EVALUATION OF THE RELIABILITY BENEFITS OF PROPOSED DIESEL GENERATOR CROSS-CONNECT MODIFICATION FOR SAN ONOFRE NUCLEAR GENERATING STATIONS UNIT 2 AND UNIT 3

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EXECUTIVE SUMMARY

This report describes a reliability study of a proposed modification to the 4160V Electrical System at San Onofre Nuclear Generating Station Units 2 and 3. The purpose of this reliability study is to quantify, in terms of reduction in risk of core damage, the effect of the proposed diesel cross-connect modification.

The proposed modification (PCN-215) involves installation of a cross-connect system for Units 2 and 3 emergency diesel generators, allowing a single diesel generator from one unit to respond, as a standby AC power source, for either unit in the event a diesel generator from one unit is unavailable. Appropriate changes to the current Technical Specification 3/4.8.1 (governing required A.C. sources for operability of the units) would permit the use of a diesel generator cross-connect to an adjacent unit as an acceptable standby power source in accordance with design operability criteria. Thus, by using the cross-connect the total number of diesels available to power emergency AC power to Unit 2 or Unit 3 is increased from 2 to 4. Currently, with the existing 2 diesel configuration per unit, if a failure occurs or maintenance is required on one of the diesel generators, the unit with affected diesel must either complete repairs or maintenance within 72 hours or begin shutdown procedures. It is this 72 hour allowed outage time requirement which is avoided with the cross-connect in place and only one diesel in either unit not available.

Implementation of such an automatic cross-connect device would not only increase plant availability, but enable greater flexibility in conducting maintenance on diesel generators. In addition to evaluating the reliability

impacts of the cross-connect feature, the study analyzed an increase in cumulative outage time for each diesel generator. A sixty day per year maintenance unavailability was used instead of the current value that reflects the actual operating experience. This maintenance unavailability value is a factor of 3.5 over the previous actual operating experience value.

The reliability assessment considers the case of a loss of offsite power and subsequent station blackout condition. The loss of offsite power station blackout event constitutes the most demanding condition for the AC power system. The proposed modification would also improve plant response to a number of other plant initiators. However, the effects upon other initiators are much less significant relative to diesel generator availability and therefore the individual improvements for other initiators are not explicitly analyzed in this study.

The reliability assessment provides a detailed description of both a base case (design basis) and a proposed 4160 Volt Electrical System design configuration and operation. Models supporting the system for the offsite power initiator were constructed. These included an event tree and fault trees for the AC and DC Power Systems and the AFW System.

The results of the assessment are summarized below and illustrated in Figure 1:

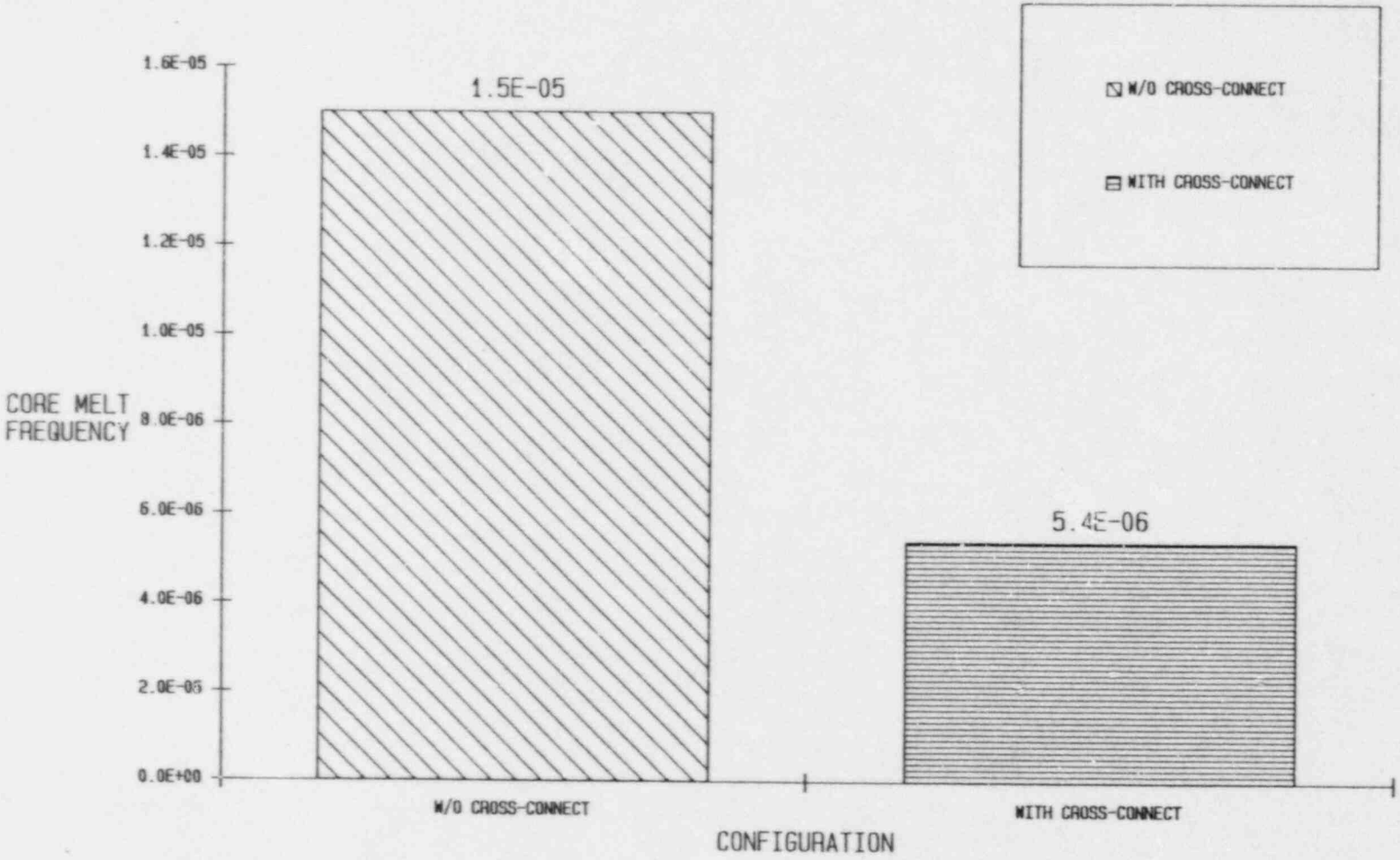
Case	Core Melt Frequency Due to Loss of Offsite Power Station Blackout
Design Basis Configuration	1.5E-05
Proposed Configuration	5.4E-06

These results indicate that the installation of the diesel generator automatic cross-connect modification can decrease the overall core melt frequency by 64% when compared to the design basis configuration. The availability of the adjacent unit's diesel generator as a standby 4160 Volt AC source significantly increases system reliability. This increase in reliability is a result of effectively increasing the plant's diesel configuration from two diesels to four diesels. Analysis of extended maintenance outages up to 12 weeks with the proposed modification installed produced a reliability enhancement of 52% over the design basis configuration. In other words, with each diesel unavailable 12 weeks (or about a quarter of a year), the system could operate with only three diesels all year and still be more reliable than the base case configuration. This allows for one diesel to be placed in maintenance; thereby leaving a 3-out-of-4 diesel configuration which is inherently more reliable than a 1-out-of-2 configuration. That is, in the 1-out-of-2 case the plant loses 50% of its capacity while in the 3-out-of-4 case the plant only loses 25% of its diesel capacity. Further, while an increase in maintenance unavailability results in an increase in associated risk, the large risk reduction resulting from the cross-connection capability more than offsets the increase.

Thus, with the proposed modification, plant safety and reliability are improved. Explicitly, core melt frequency reduction and increase annual maintenance outage time for diesel generators are products of the modification. Proposed Technical Specification amendments to extend allowed outages for maintenance and the allowed increment outage time present the potential for extended maintenance activities without requiring plant shutdown, thereby increasing overall plant availability. Concurrent implicit benefits are additional opportunities for diesel

maintenance and reduction in maintenance errors attributed to time constrained maintenance activities, both presenting potential for even greater on-demand diesel generator avai`ability.

FIGURE 1
COMPARISON OF CORE MELT FREQUENCY
FOR THE LOSS OF OFFSITE POWER EVENT



1.0 INTRODUCTION

Southern California Edison Company has proposed a design change for San Onofre Nuclear Generating Station (SONGS) Units 2 and 3 to permit the use of an emergency diesel generator from one unit as an available AC power source for both units. Currently, the Technical Specifications for each unit require a unit to begin shutdown procedures within 72 hours after one of the two diesel generators is declared inoperable. The proposed design change will allow continued plant operation whenever a single diesel in either unit is declared inoperable for longer than 72 hours.

1.1 Purpose of the Report

The purpose of this report is to provide an analysis of the safety benefits between the base case (design basis) Electrical Power System configuration and the proposed configuration after the automatic diesel cross-connect feature is installed.

1.2 Study Overview

The proposed design change will add a unit-to-unit load transfer enable switch and modify the bus tie breaker controls. With the exception of these modifications the diesel generator and 4160 Volt Power Systems are the same as the existing configuration.

To assess the relative safety benefits gained from the proposed modifications plant response to a given initiating event, with the existing configuration and with the proposed changes installed, are compared using a common term. The results of a risk assessment are given in core melt frequency.

Although a spectrum of initiating events exist, the initiating event evaluated in this analysis is a loss of offsite power (LOOP) initiated by a loss of power in the plant's 220kV switchyard. A loss of offsite power event constitutes the most demanding condition for the Emergency AC Power System and the diesel generators. Such a loss of power results in the simultaneous de-energization of all plant buses (both Class 1E and Non-class 1E), actuation of automatic logic signals and sequences, and operator actions to safely shutdown the unit and avert core damage.In addition, if both Unit 2 diesel generators fail to subsequently provide emergency AC power on demand, then a station blackout exists. For the proposed configuration with the diesel generator cross-connect modification, all Unit 2 and Unit 3 diesel generators (4 total) failing to provide emergency AC power on demand constitutes a station blackout (SBO).

By calculating the difference between the core melt frequencies with and without the change, the relative safety benefits associated with the proposed design change can be evaluated.

1.3 Analysis Methodology Overview

The analytical models utilized in this study consist of fault trees and event trees. Fault trees are detailed logic models that depict component failures and interactions that can prevent a system from performing its function. For this study, fault trees were developed to model those systems impacting a loss of offsite power and station blackout event.

Event trees represent the progression of events (in terms of success or failure of a given system or function) that might occur following specific initiating events. The event tree

depicts the outcome of each possible combination of system and functional failures. For this analysis, loss of offsite power and station blackout event trees were developed.

1.4 Organization of this Report

The remainder of this report is organized into six sections. Section 2.0 describes the 4160 Volt Electrical Power System as it pertains to the current configuration and proposed configuration with regard to design bases, Technical Specification and operation. Section 3.0 presents the analysis methodology used for this study. Section 4.0 provides the results of the analysis. Section 5.0 presents the uncertainty ranges associated with this study. Section 6.0 presents the conclusions from the analysis. Section 7.0 provides references for this study.

2.0 4160 VOLT ELECTRICAL POWER SYSTEM

A discussion of the initial and proposed 4160V Power System configuration is presented in this section. A discussion of each configuration is presented to reflect main functions, design bases, operation, and Technical Specifications. The discussions are centered around the effects of the proposed modification, specifically the Technical Specifications and operation. A more detailed system description of the AC Power System is provided in Section 3.3.1 of this report.

2.1 Current System Configuration

2.1.1 Main Function(s) and Design Bases

The function of the Class 1E 4160V Electrical Distribution System is to distribute electrical power to the engineered safety features (ESF) 4160V loads and safety-related 480V loads under normal and accident conditions by using the most preferred source of power available.

The Class 1E 4160V Electrical Distribution System has the following design bases:

- During plant operation, the Class 1E 4160V (and the 480V) Electrical Distribution System is capable of providing sufficient power to the safety-related equipment required for: 1) the safe shutdown of the plant and 2) the mitigation and control of accident conditions within the plant.

- During refueling or plant shutdown, the Class 1E 4160V and 480V Electrical Distribution Systems along with the other Class 1E AC and DC Systems are capable of providing sufficient power to safety-related equipment to: 1) maintain the plant in a shutdown or refueling

condition for extended periods of time and 2) provide sufficient instrumentation and control capability for monitoring and maintaining the plant status.

- No portions of the onsite Class 1E Electrical Distribution Systems are shared between units during normal operation. The Class 1E 4160V buses are shared between units only when operating in the backup mode, using offsite power sources.

- The Class 1E Distribution Systems are designed to satisfy the single-failure criterion.

- Cable runs are not shared by Class 1E and Non-class 1E cables.

- Special identification criteria apply for Class 1E equipment, cabling, cable runs and associated circuits.

- Separation criteria apply, which establish requirements for preserving the independency of redundant Class 1E Electrical Systems.

- The Class 1E electrical equipment is designed with the capability of being tested periodically.

- The reserve auxiliary transformer (XR1, or XR2) is capable of supplying all of its normally operating Non-class 1E load plus simultaneously supplying the engineered safety feature (ESF) loads on both units, when the two Class 1E 4160V buses are cross-tied.

2.1.2 System Configuration

As depicted in Figure 2-1, the 4160V Class 1E System for each unit is divided into two redundant, physically separated trains, each capable of supplying sufficient electricity for all functions to operate ESF loads necessary to safely shutdown the unit, and mitigate and control accident conditions within a unit. In addition to 100% capacity redundant trains to preclude the loss of any one train from inhibiting minimum safety functions from operating and safely shutting down the unit, each 4160V safety bus has access to four sources of power: Source 1 - preferred offsite power feeds from auxiliary transformers; Source 2 - offsite power from other unit's feeder circuit breaker via unit-to-unit tie breakers; Source 3 - the load group's associated diesel generator; and Source 4 - a third access to offsite power which can be supplied be available in approximately 12 hours via manual connections (this method is not proceduralized and is not considered in this study).

Electrical power from the grid to the plant is supplied by two physically independent transmission systems, designed and located to minimize the possibility of simultaneous failures. During normal startup, shutdown or emergency conditions, Class 1E power is available via two reserve auxiliary transformers. Each reserve auxiliary transformer is capable of supplying 100% of the startup, shutdown or normal operating loads of one unit simultaneously with the engineered safety feature (ESF) loads associated with each unit.

In the absence of the preferred power from the assigned unit auxiliary transformer, backup power from Source 2 is available from the auxiliary transformer-energized 4160V bus of the adjacent unit via unit-to-unit tie breakers. This

source of power is available only if preferred AC power to the adjacent unit is available.

In the event the preferred offsite power feeders become de-energized (Source 1 and Source 2 not available), each 4160V bus is connected to a dedicated 4160V diesel generator as an emergency backup power source. Ten seconds after signal actuation, the diesel generator attains sufficient rated power to accept initial loads and maintain sufficient voltage and frequency throughout the loading sequence.

Voltage relays initiate logic signals to effect the opening/closing of circuit breakers to protect equipment, regulate load shedding, and enable an orderly transfer to alternate power sources for shutdown purposes. For each load group, one 4160V feeder circuit breaker is provided for normal incoming preferred power source and another 4160V feeder circuit breaker is connected to the backup preferred power source (Source 2) from the reserve auxiliary transformer to the Class 1E bus of the companion unit. Between companion units two 4160V circuit breakers regulate the transfer of loads between units given appropriate logic signals.

Throughout discussions hereafter in this chapter, examples are cited using Unit 2 train A. Although references to components and operations of Unit 2 train A are used, similar operations occur on redundant load groups in each unit.

2.1.3 System Operation

Figure 2-2 illustates the bus and breaker arrangement for Units 2 and 3 load group A power sources.

Under normal operating conditions, bus 2A04 is connected to the preferred power source via feeder circuit breaker 2A0418 (which is normally in closed position). Bus tie breaker 2A0417, linking bus 2A04 to bus 3A04 via bus tie breaker 3A0416, and diesel generator feeder breaker 2A4013, linking standby diesel generator 2G002 to bus 2A04, are normally open. Upon a loss of offsite power from the preferred source (auxiliary transformer), de-energization of bus 2A04 actuates a two out of four under voltage relay logic. After approximately one second a loss of voltage signal (LOVS) performs the following: starts diesel generator 2G002, trips feeder breaker 2A0418 open to disconnect the bus from the failed power scurce and trips diesel generator feeder breaker 2A0413 open to ensure the diesel generator is not tied to bus 2A04. After residual voltage of bus 2A04 reduces to less than 30%, the LOVS will signal Unit 3 bus tie breaker 3A0416 to close provided bus 3A04 under voltage relays are reset and feeder breaker 3A0418 is closed (i.e., preferred power is available at Unit 3). Once tie breaker 3A0416 is closed, Unit 2 tie breaker 2A0417 will close completing source power transition to Source 2.

If feeder breaker 3A0418 is open or bus 3A04 has no voltage (Source 2 not available), bus tie breaker 3A0416 will not close. Additionally, if Unit 3 diesel generator feeder breaker 3A0413 is closed (diesel generator 3G002 on line to bus 3A04), bus tie breaker 3A0416 will not close except when the Unit 3 diesel generator is parallel with the offsite source during a periodic load test. A LOVS at Unit 2 during the periodic load test, closes tie breaker 3A0416 which will open Unit 3 diesel generator feeder breaker 3A0413. If a safety injection actuation signal (SIAS) is present in both units, Unit 2 tie breaker 2A0417 will not close.

With the unsuccessful transfer at 4 seconds after initiation of the LOVS, all sequenced loads connected to bus 2A04 will

be shed except the high pressure safety injection pumps, if connected, and the load centers. Approximately 10 seconds after the LOVS, Unit 2 diesel generator breaker 2A0413 will close initiating source power transfer to Source 3 provided diesel generator 2G002 has reached rated power and frequency.

2.1.4 Technical Specifications

Technical Specifications outline operability criteria that ensure sufficient power sources and their distribution systems are available during operation. This is to provide sufficient power to safety related equipment which is required for the mitigation and control of accident conditions and the safe shutdown of the facility.

Technical Specification 3/4.8.1.1 for the AC Power System in the base case configuration requires, as a minimum, operability of two physically independent circuits between the offsite transmission network and onsite Class 1E Distribution System and two separate and independent diesel generators (each with a minimum 325 of gallons in the day fuel tank, an additional 47,000 gallons of fuel in the main storage tank and a separate fuel transfer pump). A diesel generator declared inoperable will result in the unit entering a Limiting Condition for Operation (LCO). The LCO specifies that inoperability of one of the two diesel generators in a unit requires periodic surveillance and verification activities, and restoration of at least two diesel generators and two offsite circuits to an operable status within 72 hours, or the plant must be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

2.2 Proposed System Configuration

2.2.1 Main Function and Design Bases

The main function of the 4160V Electrical Power Distribution System with the proposed automatic cross-connect design change is the same as that presented in Section 2.1.1.

Design bases for the 4160V Electrical Power System with the proposed automatic diesel cross-connect installed, are also the same as presented previously in Section 2.1.1 with the following exception:

- The Diesel Generator Systems are shared between Units 2 and 3 when the automatic diesel cross-connect circuitry is enabled.

2.2.2 System Configuration

The proposed design change will allow for one of the separate and independent diesel generators from one unit to be used in standby for the other unit with its associated diesel out of service. This will entail installation of a unit-to-unit cross-tie enabling switch and modification of the bus tie breaker and diesel controls. With the enabling switch in the "OFF" position each diesel generator would be aligned with its associated bus as described in the current configuration discussed previously in Section 2.1.2. In the event a diesel generator is unavailable or scheduled for maintenance, placing the enabling switch to "AUTO" would automatically link the associated bus of the unavailable diesel generator with an operable diesel generator in the adjacent unit (e.g. with diesel generator 2G002 unavailable, bus 2A04 would be cross-tied by the logic signals in the event of a LOVS sequence to diesel generator 3G002). The "auto-linked" diesel generator would then respond as an

emergency power source for either unit in the event of a loss of voltage signal due to a loss of offsite power (LOOP).

2.2.3 System Operation

Under the proposed modification, a scenario, in which Unit 2 train A diesel generator 2G002 is unavailable and the corresponding transfer enabling switch is in the "AUTO" position, an under voltage condition on bus 2A04 would be detected by a two out of four under voltage relay logic. After approximately one second, the relays initiate a LOVS and trip bus 2A04 feeder circuit breakers 2A0418 and 2A0413 insuring those circuit breakers are open (with no offsite power available to Unit 3, this same sequence will occur on 3A04). The bus 2A04 LOVS will also signal diesel generator 3G002 to start in lieu of the unavailable diesel generator 2G002. Circuit breaker 3A0413 will close energizing 3A04 when 3G002 reaches sufficient voltage and speed if offsite power is not available. Tie breaker 3A0416 will close immediately after 3G002 energizes bus 3A04, at which time Unit 3 loads will begin to load (normal and sequenced) to the bus upon LOVS reset.

With power available from Unit 3 and Unit 2 bus 2A04 de-energized, bus tie breaker 2A0417 will close, energizing bus 2A04. Unit 2 normal or SIAS loads will start to sequence on bus 2A04 automatically. If a SIAS signal is present in both units, the closing of bus tie breaker 2A0417 will be blocked. If a second SIAS signal occurs after the dual unit LOVS has been reset, and the SIAS signal is still present from the accident unit, Unit 2 bus tie 2A0417 will open.

It should be noted that the diesel generators are each capable of supplying all associated bus loads supporting

a loss of coolant accident in one unit and a normal unit shutdown of the adjacent unit.

2.2.4 Technical Specifications

Amendments to the current technical specifications would require redefinition of "two separate and independent diesel generators" as outlined in Technical Specification 3/4.8.1.1 to include sharing one diesel generator. Specifically, given a diesel generator unavailable in Unit 2, the Technical Specification change would permit one of the Unit 3 diesel generators to be the second standby diesel generator in lieu of the inoperable Unit 2 diesel generator provided:

- Two operable diesel generators are on different trains.
- Both tie breakers are operable for the train that has the operable diesel in Unit 3.
- The transfer enabling circuit selected is operable and the transfer enabling switch selected to "AUTO" on the train with the inoperable diesel generator.
- No more than one of the four unit-to-unit transfer enabling switches may be in AUTO.

Such amendments would avert a plant shutdown, if a diesel generator is unavailable for 72 hours, since two generators would still be available for any unit demand and the LCO would never be encountered.

SAN ONOFRE UNIT 2 CLASS 1E 4160 VOLT AC POWER SYSTEM

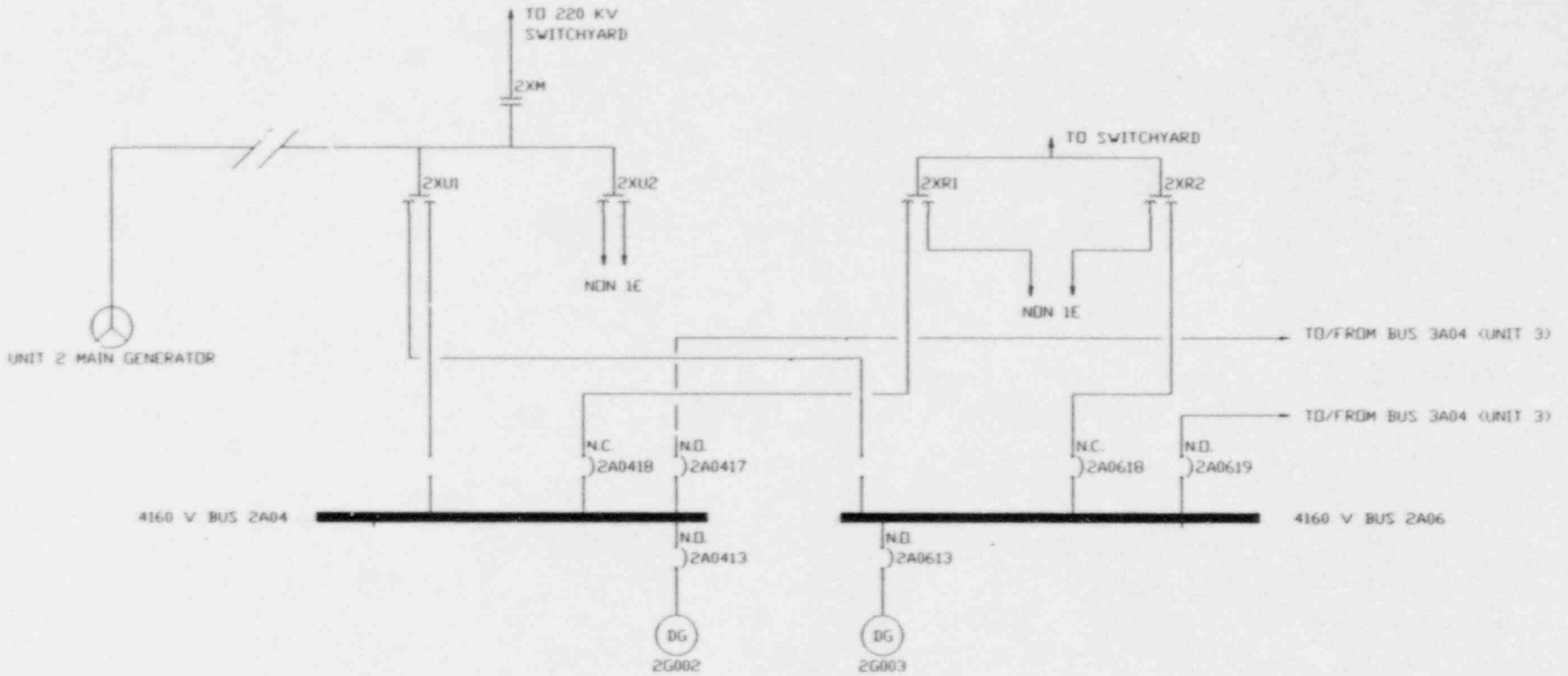
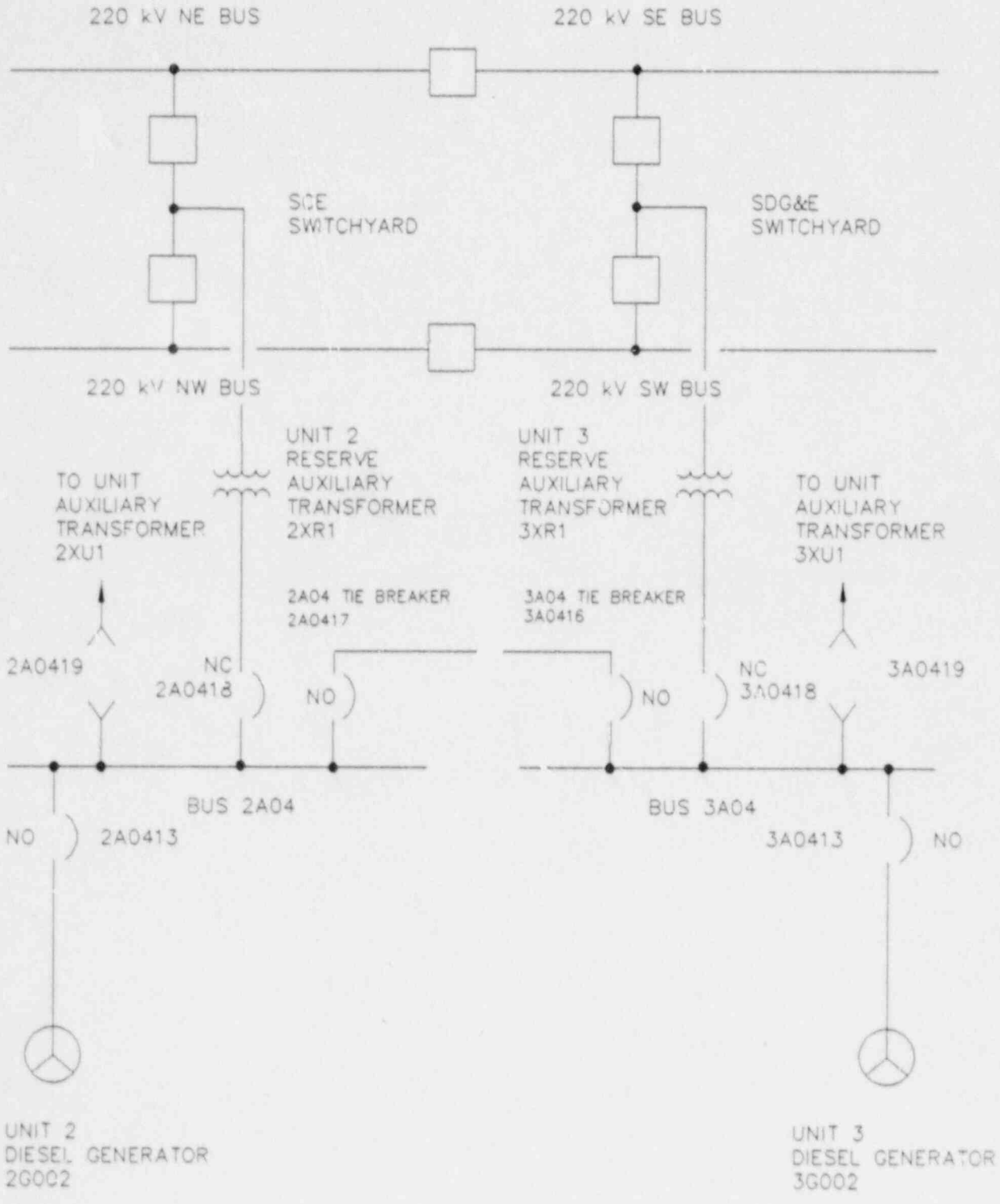


Figure 2-1

Figure 2-2

SAN ONOFRE UNITS 2 AND 3
LOAD GROUP A POWER SOURCES



3.0 ANALYSIS METHODOLOGY

This section outlines the general methodology employed in performing this study. In addition, a discussion of the initiating event with regard to plant response and success criteria is also presented. A description of each system modeled in this study, along with details of system fault tree modeling, and success criteria are presented. Also, data development supporting each case study is provided.

3.1 General Methodology

This section presents the general methodology as it pertains to the guidelines and boundary conditions, event tree and fault tree development, and data sources used in performing this study.

This reliability assessment is performed based on a realistic assessment of accident potential and response. Equipment capability, success criteria, and event sequences are modeled as realistically as possible to depict the actual expected course of events and conditions. Conservatisms are included where necessary to allow for simplifications or where best estimate data are not available. To the extent possible, such conservatisms are identified in the documentation. Only the plant response of Unit 2 train A is considered in this study (other than the cross-tied Unit 3 associated diesel generator). A similar plant response is expected from redundant load groups in each unit.

3.1.1 Guidelines and Boundary Conditions

The general guidelines and boundary conditions utilized in the performance of this analysis are discussed below:

Analysis Methodology

In general, this study utilizes detailed fault trees and a moderate sized event tree. A fault tree was constructed for each system which could significantly influence the plant's response to the initiating event. These trees included the Auxiliary Feedwater System, AC Power System, DC Power System and those portions of the Plant Protection System which support principal system operation. The event tree constructed for this study reflects the progression of events following a loss of offsite power.

Initial Plant State:

The initial plant state is power operation with all systems in normal operation. Loss of offsite power events which occur during shutdown conditions or during startup/shutdown evolutions are not addressed in this study. The potential for systems to be in test or maintenance when the loss of offsite power occurs is included.

End Point of the Analysis:

The analysis assesses the likelihood of achieving long term stable operation following the event. Such stable operation is defined as a situation in which the reactor is subcritical, pressure and level are stabilized and maintained, temperature is within limits, and continued maintenance of the stable condition is possible. A stable

condition for this analysis is considered to be achieved within 24 hours if degradations have not precluded safe shutdown.

In situations in which a stable condition cannot be achieved, "core melt" or "serious core damage" is expected to occur. For the purposes of this study, these terms refer to a condition characterized by an extended period of core uncovery during which fuel rod heatup occurs and fuel melting occurs. It is assumed that once this damage occurs, the accident will progress until a significant portion of the core has melted. This assumption is conservative since the recovery of plant functions during the course of the accident could arrest the fuel damage process and allow the RCS to be returned to a stable (although damaged) condition. The calculated frequency of core melt (based on a similar initiating event) for the unit with and without the diesel generator cross-connect provides the basis for assessing the safety improvement resulting from the proposed modification.

Accident Initiators:

In order to perform a plant-wide reliability assessment, the analyst must identify the spectrum of plant events which might occur and determine the possible responses of the plant to that event. The accident initiating events are defined as component failures or personnel actions that disrupt normal plant operation sufficiently to require reactor shutdown and mitigating actions on the part of automatic systems or plant operators in order to maintain the functions that protect the reactor core. Although a spectrum of initiating events exist, the initiating event evaluated in this analysis is a loss of offsite power (LOOP) initiated by a loss of power in the plant's 220kV switchyard. Such a loss results in the

simultaneous de-energization of all plant buses (both Class 1E and Non-class 1E), actuation of automatic logic signals and sequences, and operator actions to safely shutdown the unit and avert core damage. In addition, if both Unit 2 diesel generators fail to subsequently provide emergency AC power on demand, then a station blackout exists. For the proposed configuration with the diesel generator cross-connect modification, all Unit 2 and Unit 3 diesel generators (4 total) failing to provide emergency AC power on demand constitutes a station blackout (SBO).

Plant Configuration:

The plant description utilized in the analysis is taken from the FSAR, system descriptions, training manuals and official plant drawings and associated documentation. Preferred and alternative modes of operation and system alignments have been incorporated into the study.

Systems Evaluated:

All important systems and functions required for the mitigation of the LOOP/SBO initiator are analyzed in detail.

Human Reliability:

This study examines all applicable operating instructions, abnormal operating instructions, emergency operating instructions, maintenance procedures and engineering procedures. Specifically included are: failures to restore systems following test or maintenance, failures to accurately calibrate instrumentation, and failures to properly implement procedural steps related to plant operations when required. Multiple occurrences of these failures stemming from common causes are also included.

Failures to implement actions not specifically identified in written procedures are not generally considered, (i.e., no credit is normally taken for non-procedural actions). Operator errors of commission, which defeat system performance or which aggravate normal plant response to an event, are not explicitly evaluated. This is consistent with previous PRAs including WASH-1400, various IREP studies and RSSMAP studies. For human error rate estimates, simplified methods from the "Handbook of Human Reliability"[9] have been applied. In addition, common mode error associated with maintenance practices is modeled for significant active components.

3.1.2 Event Tree Construction Guidelines

A specific event tree was developed for the loss of offsite power/station blackout initiating event to represent the functional behavior of the initiating systems in responding to the accident sequence. They represent macroscopic views of plant functional responses. Detailed responses are developed in the system-specific fault trees (i.e., microscopic view).

Event trees are developed using mitigating systems such as the AFW System. Support systems, are included in the development of the front-line system top nodes. This functional approach allows the event trees to be smaller in size and easier to use.

3.1.3 Fault Tree Construction Guidelines

The fault trees developed for this assessment are plant-specific logic models. They extend to the component level, generally consistent with available data. Subcomponent parts are not treated separately. The logic model includes the ability of components to operate

successfully or to be in a failed state. Partial component operation is considered a failure. This is a potential conservatism in the analysis. Dependent failure mechanisms are characterized including primarily functional dependencies. Recovery of failed equipment is not considered unless such recovery is necessary to reduce the conservatism of dominant cut sets. For example, recovery of diesel generators is considered for the station blackout event.

Rather than model maintenance contributions as mutually exclusive events, a significant analytical enhancement available for the applied code series has been utilized to remove all excluded plant operating conditions from the analysis. This is done by identifying such conditions and utilizing a postprocessor to remove unacceptable cut sets from the analytical solution derived by the cut set analyzer (described in section 3.1.5). In addition, the postprocessor searches for statistically dependent events in minimal cut sets and performs a Boolean substitution for these events.

Further, in the development of fault trees, certain basic assumptions are made which do not vary significantly among the system or initiating event models. Listed below are fundamental assumptions employed in the development of the fault trees used in this analysis.

1. Piping failures are not included in the model since the loss of offsite power initiating event does not result in conditions that are expected to lead to pipe failures.

2. Failures of control circuitry are treated separately from failures of the controlled equipment if the control circuits are

independent of, and powered by electrical buses different from, the controlled equipment. (In general, 4160 volt components tend to utilize such independent control circuits). Control circuits failures in lower voltage equipment (i.e., 480V or less) are assumed to be included in the aggregate failure rate for the equipment itself.

3. For control valves, the circuit breakers are assumed to be normally closed. Failure of the circuit breakers means that the circuit breakers do not remain closed (i.e., fail open).

4. For standby motor-driven pumps, the circuit breakers are assumed to be normally open. Failure of the circuit breakers means that the circuit breakers do not close upon an actuation signal.

5. Normally closed manual valves are assumed not to fail open.

6. Failure of operators to correctly execute a procedural step or to backup an automatic actuation signal are included. The recovery of key components that have failed are also considered. However, errors of commission are not included in the models.

In addition to the system-level fault trees described above, a master fault tree was developed. This master tree represents each of the sequences appearing in the event tree and includes all the system-level fault trees that are necessary to evaluate the event. This tree is

then used to calculate the total frequency of core melt due to the initiating event.

3.1.4 Data Sources

Data used for accident-sequence definition and quantification is categorized as follows:

Initiating Event Frequency Data:

Initiating event frequencies are expressed in terms of a likelihood of occurrence per reactor-year. That is, the likelihood of occurrence in a 12 month period.

Component Failure Rate Data:

The quantification of the fault trees and the event tree is based upon best available data for each particular component. Where possible, when sufficient data existed, plant-specific data is used. However, some significant plant specific data is not yet available due to the short operating time of Unit 2. For components, data from IREP and NRC sources have been used. Where such data is not available, WASH-1400 has been relied upon. It should be noted that variations between manufacturers and particular component models are generally not included in the data base. This represents a shortcoming of any plant data assessment effort. This is particularly important for San Onofre due to the unavailability of data regarding diesel generator performance. San Onofre includes tandem diesel generators which rely upon two engines per generator. The engines chosen were selected for their high reliability. The unavailability of specific component data for these engines results in the necessity to incorporate typical component data which may well not be representative of the components utilized in San Onofre.

Basic events modeled in the fault tree include two major types of failures: failure to start (or change state) and failure to continue to operate. For standby pumps, such as those in the Auxiliary Feedwater System, both failure to start and failure to continue to operate are required. It is also necessary to define a mission time to quantify the failure probability associated with failure to run.

Test and Maintenance Data:

When sufficient data was not available data was taken from recent PRAs to quantify the San Onofre fault trees. This represents a compromise in the assessment of plant specific reliability.

The frequency and duration of testing and maintenance are required to determine the unavailability of a component.

Recovery Data:

The critical time for the recovery action and the probability of non-recovery within the critical time need to be identified.

Human Reliability Data:

Human reliability data is quantified for specific actions based on a combination of factors including: procedural steps, review of historical records, local versus remote action, and engineering judgment. This data is used in conjunction with data and guidelines of NUREG/CR-1278 to determine the error probability.

Uncertainty of Data:

For uncertainty analysis, error factors associated with failure probability must be specified. Judgment is occasionally exercised to estimate the error factors when these are not readily available.

3.1.5 Computer Codes Utilized

The following computer codes were used to perform the reliability analyses:

- FTAP
- FTAP POSTPROCESSOR
- IMPORTANCE
- MONTE

A flowchart of the overall execution of these codes is shown in Figure 3-1.

FTAP and FTAP POSTPROCESSOR perform the qualitative evaluation; IMPORTANCE, performs the probabilistic evaluation; and MONTE performs the uncertainty analysis. Boeing Aerospace Co.[11] ranked these codes first in suiting the needs of the U.S. Air Force in reliability analysis, and performed an extensive QA check of these codes. The codes are used by corporations and government agencies worldwide.

FTAP accepts as input a Boolean equation for each gate event in the fault tree or logic model. FTAP can accept complemented events and k-of-n gates. The code contains routines for checking the input fault tree for logic errors and inconsistencies[12].

The code can eliminate minimal cut sets (or event sequences) according to probability or cut set order, which is particularly useful for analysis of complex systems.

In addition, FTAP's TRUE and FALSE commands allow the user to selectively modify the fault tree model to meet specific failure conditions. For example, if the TRUE command is used to specify a loss of AC power (i.e., loss of AC power is true), the code will automatically generate a minimized fault tree for this condition and generate cut sets for only the non-AC-dependent systems (since all AC-dependent systems are assumed to be failed).

FTAP POSTPROCESSOR is particularly useful for the enhancement of fault tree analyses. The features of FTAP POSTPROCESSOR include:

- conducting common cause analyses,
- dropping complimented events and performing the subsequent minimization,
- elimination of cut sets containing mutually exclusive events, and
- generation of block files (i.e., sets of Boolean equations for systems and subsystems).

The user provides an input data file specifying the mutually exclusive items to be dropped from the cut set solution and/or the basic event combinations that are to be replaced in the minimal cut sets with alternate events (e.g. common cause failure events). FTAP POSTPROCESSOR then modifies the FTAP cut set file (i.e., the FP file in Figure 3-1) in accordance with the user's instructions.

IMPORTANCE accepts as input both basic event data (i.e., failure rates, error factors) and the minimal cut set file

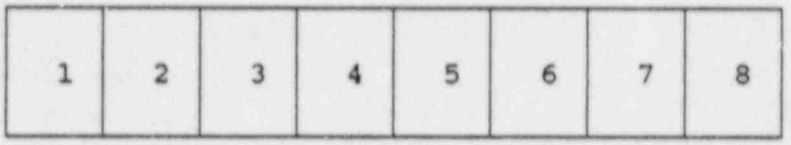
generated by FTAP or FTAP POSTPROCESSOR. The code generates as output the top event probability and the ranking of basic events and minimal cut sets according to various user-selected importance measures.

The MONTE code is used to perform a Monte Carlo-type uncertainty analysis. Both normal and lognormal uncertainty distributions are allowed for each event. MONTE calculates confidence intervals for the top event probability and, optionally, for basic event and minimal cut set importance rankings.

3.1.6 Basic Event Coding Scheme

Fault trees are comprised of numerous basic events depicting various failure modes. The fault trees utilized in this study follow a standard naming convention when describing basic events. For the most part, basic event names are 8 characters in length.

A list of standard designations is presented in Table 3-1. The typical format is described below:



1 = system designator (two spaces may be needed in some cases)

2 & 3 = component type

4-7 = plant unique number (i.e., tag number)

8 = failure mode

Example: LCV0019P

where

L = Auxiliary Feedwater System

CV = check valves

0019 = valve no. 0019

P = does not open

COMPUTER CODE FLOWCHART

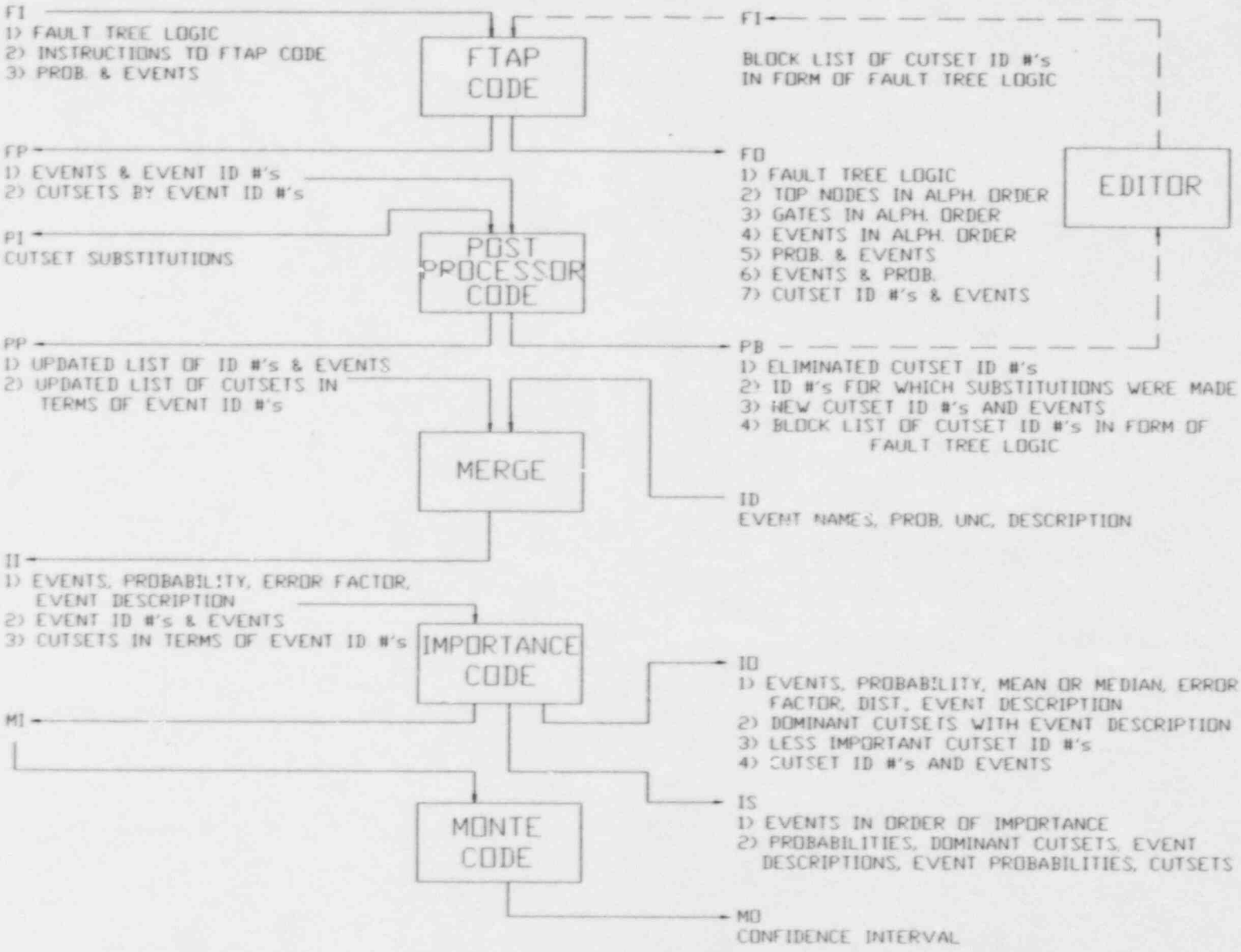


Figure 3-1

Table 3-1

FAILURE MODE CODES USED IN COMPONENT DESIGNATORS

CODE	FAILURE MODE
PASSIVE	
A	SHORT TO POWER
B	OPEN CIRCUIT
C	SHORT TO GROUND
E	PLUGGED
F	LEAKAGE/RUPTURE
G	DISTORTION
H	LOSS OF FUNCTION
I	ENVIRONMENTAL DEGRADATION
J	MISC. PASSIVE FAILURES
ACTIVE	
K	DOES NOT ACTUATE/OPERATE
L	ACTUATES/OPERATES INADVERTENTLY
M	DOWN FOR MAINTENANCE (LOW PROBABILITY OF QUICK RESTORATION)
N	DOES NOT CLOSE
O	DOES NOT REMAIN CLOSED
P	DOES NOT OPEN
Q	DOES NOT REMAIN OPEN - FAILS
CLOSED	
S	DOES NOT START
R	DOES NOT CONTINUE TO RUN
T	TEST OR OPERATIONAL MANEUVER (HIGH PROBABILITY OF QUICK RESTORATION)

Table 3-1 (Continued)

CODE	FAILURE MODE
ACTIVE	
U	OPERATOR FAILURE TO FOLLOW PROCEDURE
V	OPERATOR FAILURE TO ACT
W	OPERATOR ERROR OF COMMISSION
X	LEFT INCORRECT POSITION AFTER MAINT. OR OPERATION
Y	NON-RECOVERY
Z	MISC. ACTIVE FAILURE

Table 3-1 (Continued)

MECHANICAL COMPONENT CODES
USED IN COMPONENT DESIGNATORS

CODE	MECHANICAL COMPONENTS
AC	ACCUMULATOR
AV	VALVE PNEUMATIC
BE	BEARING
BO	BOILER
CD	CONTROL ROD DRIVE UNIT
CH	CHILLER
CL	CONTROLLER/GOVERNOR (MECHANICAL)
CM	COMPRESSOR
CN	CONDENSER
CR	COOLER
CV	VALVE, CHECK
DG	DIESEL GENERATOR
DL	DIESEL ENGINE
DP	DAMPER
FE	FLOW ELEMENT
FL	FILTER OR STRAINER
FN	FAN
GB	GAS BOTTLE
HE	HEAT EXCHANGER
HV	HYDRAULIC VALVE
IG	IGNITER
MV	VALVE, MOTOR OPERATED
OP	OPERATOR (HUMAN) ERROR
OR	ORIFICE
OV	VALVE, (OTHER)
PC	PIPE CAP

Table 3-1 (Continued)

CODE	MECHANICAL COMPONENTS
PE	EXPANSION JOINT
PG	FLEXIBLE HOSE
PM	PUMP, MOTOR DRIVEN
PP	PIPE
PT	PUMP, TURBINE DRIVEN
PV	PRESSURE VESSEL
RD	RUPTURE DISC
RV	VALVE, RELIEF
SD	STEAM DRUM
SG	STEAM GENERATOR
SL	SEALS
SV	VALVE, SOLENOID
TG	TUBING
TK	TANK
TU	TURBINE
VV	VALVE SYSTEM
XV	VALVE, MANUAL

Table 3-1 (Continued)

ELECTRICAL COMPONENT CODES
USED IN COMPONENT DESIGNATORS

CODE	ELECTRICAL COMPONENT
AC	AC POWER SUPPLY
AM	AMPLIFIER
AN	ANNUNCIATOR
AT	SWITCH, AUTOMATIC
BC	BATTERY CHARGER
BS	BUS
BY	BATTERY
CA	CABLE (ELECTRICAL)
CB	CIRCUIT BREAKER
CC	CAPACITOR
CE	CONTROLLER/GOVERNOR (ELECTRICAL)
CO	CONNECTOR
DC	DC POWER SUPPLY
DE	DIODE OR RECTIFIER
DP	DISTRIBUTION PANEL
ES	ELECTRICAL SYSTEM/DEVICE
FU	FUSE
GE	GENERATOR
HR	HEATER
HT	HEAT TRACING
IV	INVERTER
LA	LIGHTING ARRESTOR
LE	LEVEL SENSOR
LS	LIMIT SWITCH
LT	LIGHT
MO	MOTOR
ND	NEUTRON DETECTOR

Table 3-1 (Continued)

CODE	ELECTRICAL COMPONENT
PI	INDICATOR/METER
PR	PRESSURE SENSOR
RA	RADIATION SENSOR
RC	RECORDER
RE	RELAY
RS	RESISTOR
SO	SENSOR, OTHER
SW	SWITCH, MANUAL
SZ	POSITION SENSOR
TE	TEMPERATURE SENSOR
TI	TIMER
TR	TRANSFORMER
TZ	TRANSMITTER (POSITION/FLOW/TEMP) (PRESS/LEVEL/RADIATION)
VR	VOLTAGE REGULATOR
WR	WIRE

3.2 Initiating Event Description and Event Tree Modeling

Selection of the LOOP/SBO initiating event was based on an engineering assessment that the foremost distinction between the cross-tie modification and the current system would be the availability of AC power from diesel generators to support unit shutdown and avert a station blackout. The analysis for loss of offsite AC power reflects an exacting demand on the diesel generators as backup AC power sources, enabling a better assessment of the relative reliability of the current and proposed systems. Other initiating events would produce the same conclusion of the LOOP/SBO initiating event in terms of relative reliability of proposed and current systems and therefore are not evaluated in this analysis.

3.2.1 Event Description and Plant Response

A loss of offsite power will cause an immediate reactor trip and temporarily render inoperable all electrically-powered components not provided with a battery backup power supply. Upon reactor trip, steam will immediately be relieved from the steam generators via the secondary safety valves (9 per steam generator). These safeties will maintain steam generator pressure at 1100 psia. The secondary safeties must reseat after each opening. Failure to reseat will lower steam generator pressure and jeopardize the operability of the steam-driven AFW pump which requires a steam pressure of at least 65 psia to operate. Shortly after the trip, the operators will control steam generator pressure via the remote-manually operated atmospheric steam dump valves (1 per steam generator). These dump valves are powered from vital 125V DC batteries "A" and "B". The operators are instructed by procedure to maintain RCS average temperature between 545°F and 555° (procedure SO23-12-1).

Upon detection of a sustained low voltage on vital 4160V buses 2A04 and 2A06, non-permanently connected loads will be stripped from the buses, and emergency diesel generators 2G002 and 2G003 will automatically start and reenergize their respective buses. An emergency feedwater actuation signal (EFAS) will be generated on low steam generator water level, and the motor-driven AFW pumps and valves will automatically operate. The steam-driven AFW pump will also start in response to the EFAS. Loads such as reactor coolant pumps, main feedwater pumps and SBCS valves are non-vital loads and are therefore not powered by the emergency diesel generators.

If emergency power and AFW are successful, the plant may be maintained in hot shutdown or cooled down to await the recovery of offsite power. If AC power is not restored prior to the time that the steam generators would boil dry and no AFW flow is provided, (approximately 51 minutes, based upon an SCE calculation[13]), a station blackout condition exists. The turbine-driven AFW pump can maintain RCS heat removal along with the station batteries, via the inverters, providing vital instrumentation and control power until AC power is restored. However, the time available for restoration of power is limited by the capacity of the batteries and the ability of the inverters to function without cooling. In addition, due to the loss of AC power, the reactor coolant pump (RCP) seals are left without cooling. This could lead to seal failure resulting in the loss of primary coolant, the inability to provide RCS makeup, and the loss of RCS heat removal capability.

3.2.2 Summary of Success Criteria

The ability to avoid core damage following a loss of offsite power/station blackout event must be assessed in two different configurations. In the event of a loss of offsite power, the following success criteria must be achieved:

1) Reactor scram. This is assumed.

2) Steam relief from the steam generators. Because any one of the 18 secondary safeties (nine per steam generator) is capable of removing all decay heat within twenty seconds of a reactor trip, and because the failure probability of these safeties is low, (approximately 1E-03 per valve per demand), it will be assumed that steam relief from the steam generators via the secondary safeties will always occur.

3) Operation of the Auxiliary Feedwater System such that feedwater from at least one pump is provided to at least one steam generator prior to when the steam generators are calculated to have boiled dry, i.e., 51 minutes.

4) Restoration of onsite AC power at or prior to the time that secondary makeup is required, i.e. 51 minutes. Failure to restore AC power by this time does not constitute core damage but does constitute a station blackout event.

In the event of a station blackout, the following criteria must be achieved in order to prevent core damage:

1) The steam-driven portion of the Auxiliary Feedwater System must start and continue to supply

feedwater to at least one steam generator for the duration of the loss of AC power. This requires the operability of both the steam-driven auxiliary feedwater pump and the DC-powered feedwater isolation valves.

Operability of this pump is a function of secondary steam safety valves reseating and the life expectancy of battery "C". Operability of the DC-powered isolation valves is a function of the lifetimes of station batteries "A" and "B", the ability of plant operators to manually operate the valves if and when the batteries are depleted, and the ability of the control operator to determine steam generator level (i.e., at least one of the four vital bus inverters operable to power plant instrumentation).

2) Maintenance of RCS inventory. Loss of natural circulation will be the first casualty of an excessive loss of RCS inventory. This loss would be the result of a "catastrophic" RCP seal failure.

It has been conservatively assumed that the likelihood of RCP seal failure during the first 2 hours of a station blackout is 0.001. The likelihood of seal failure within the next 8 hours is assumed to be 0.001 if RCP bleedoff can be isolated by 2 hours, and 0.1 if bleedoff cannot be isolated.

3.2.3 Event Tree Model

The loss of offsite power and station blackout event trees are provided as Figures 3-2 and 3-3. The AC power system

fault trees provided represent the two cases studied in this analysis. The base case trees (those with no cross-connect capability) are depicted as UA, UB, UC, and so on. The fault trees representing the diesel cross-connect case are depicted as UA', UB', UC', and so on. These fault trees are presented in Appendix A.

To analyze the loss of offsite power and station blackout event, a master fault tree was developed linking the required individual fault trees together. Each of the nodal points of the event trees is depicted in the master fault tree (Figure 3-4) and is discussed briefly below.

The reactor is assumed to trip following loss of offsite power. Secondary heat removal is assumed to be available from the steam generator safety valves. The probability that an insufficient number of these valves would fail to open to relieve decay heat is small, and is hence neglected.

The master tree evaluates the probability of core melt due to a loss of offsite power; the loss of offsite power is indicated by the basic event "LOOP." Core melt occurs due to a loss of RCS heat removal. AFW response is evaluated under several conditions due to its dependence on power. In order to address possible core melt scenarios in which some onsite AC power is available following the loss of offsite power but AFW is unable to provide steam generator makeup, a "block" file was created using the AFW fault tree and AC & DC power fault trees (AFWLOOP). This block file evaluates the possible combinations of emergency AC power unavailability and AFW pump unavailability which would preclude successful makeup to the steam generators. For example, such combinations may include both diesel generators supplying power but the AFW pumps are not available, or the train A diesel starts, the train B AFW

motor-driven pump fails to run, and the turbine-driven AFW pump suffers a turbine problem.

The "UA" and "UA'" trees analyze the non-recovery of AC power at T=51 minutes. If power has not been recovered by this time, a station blackout exists leaving only the turbine driven AFW pump capable of supplying secondary makeup required for RCS heat removal. The AFW fault tree with only the turbine driven pump modeled is the "LA" tree.

At 90 minutes, denoted by the "UB" and "UB'" trees, batteries A and B are depleted. Again, this affects AFW flow since the control valves are supplied by batteries A and B. Operators must manually operate these valves at this point. The failure of the operators to manually operate these valves is assigned as an event on the master tree (i.e., LOPMDISC).

RCS integrity is also required in order to maintain adequate RCS heat removal. RCS integrity can be lost if the reactor coolant pump seals fail. Three failure scenarios are evaluated in the master tree:

- Failure of the seals to retain their integrity during the initial station blackout period (prior to the time that plant operators are able to attempt to isolate RCS controlled bleedoff). This scenario is modeled by gate ZC-01-10, which considers seal failure given the station blackout occurs (blackout occurrence is defined as failure to restore AC power within 51 minutes).

- Failure of the seals after bleedoff isolation occurs at T=2 hours. This scenario is modeled on the second sheet of the master tree, in which AC power fails to be recovered at T=2 hours

(represented by the "UC" and "UC'" trees) and the seals fail given isolation occurs.

- Failure of the seals if no isolation occurs at T=2 hours. This scenario is also modeled on the second sheet of the master tree and includes the failure of the operator to isolate bleedoff, RCP seal failure given no bleedoff isolation, and failure to restore AC power at T=2 hours (the "UC" and "UC'" trees).

Failure of the vital bus inverters is assumed to also lead to core melt, since the vital buses power instrumentation that is necessary for plant operators to assess plant conditions. The master fault tree considers three time-phased inverter failure scenarios:

- Inverter failure at T=3 hours. This scenario requires the operators to fail to load shed at T=1 hour (as instructed by procedure) and failure to restore AC power, and hence inverter cooling, before the inverters fail due to over heating at T=3 hours. Failure to recover AC power at that time is modeled by the "UD" and "UD'" trees.

- Inverter failure at T=4 hours. This scenario postulates the operator load sheds at T=1 hour and a high inverter room temperature at the start of the blackout transient (event JIVTHIGH). Under high temperature conditions, the inverters will fail if AC power is not restored within 4 hours (modeled by the "UE" and "UE'" trees).

- Inverter failure at T=7.5 hours. This scenario exists if the operator load sheds at T=1 hour and the inverter room temperature is low (event

JIVTLOW). In this case, AC power must be restored within 7.5 hours to prevent inverter failure. The "UF" and "UF'" trees model non-recovery of AC power at T=7.5 hours.

SAN ONOFRE UNIT 2 LOSS OF OFFSITE POWER EVENT TREE

Initiating Event	Reactor Subcriticality	Secondary Steam Relief	AC Power	Secondary Makeup	SEQUENCE NUMBER	OUTCOME	SEQUENCE PROBABILITY
	Reactor Trip	Steam Generator Safeties or ADVs	AC Available at T=51 minutes	AFWS			
	K	C'	UA	L			
					1	Safe	
					2	Core Damage	
					3	To Station Blackout Event Tree	
					4	Unanalyzed	
					5	Unanalyzed	

Figure 3-2

SAN ONOFRE UNIT 2 STATION BLACKOUT EVENT TREE

Initiating Event	TD AFW Pump Available at T=51 Minutes	AFW (Long Term)		RCS Integrity				Inverter Operability					AFW/HPSI Available After AC Power Recovery	SEQUENCE NUMBER	OUTCOME	SEQUENCE PROBABILITY
		AC Power Recovered at T=90 Minutes	Operators Manually Operate AFW Valves	RCP Seals Fail Prior To Bleedoff Isolation	Operators Isolate Bleedoff	AC Power Recovered at T=2 Hours	RCP Seals Retain Their Integrity After 2 Hours	Operators Load Shed Inverters at T=60 Minutes	Inverter Room Initial Temperature <81° F	AC Power Recovered at T=3 Hours	AC Power Recovered at T=4 Hours	AC Power Recovered at T=7.5 Hours				
	L-SBO	UB	OP1	RCP1	OP2	UC	RCP2	OP3	JA	UD	UE	UF	L-REC			
														1	Safe	
														2	Unanalyzed	
														3	Safe	
														4	Unanalyzed	
														5	Safe	
														6	Unanalyzed	
														7	Core Damage	
														8	Safe	
														9	Unanalyzed	
														10	Core Damage	
														11	Safe	
														12	Unanalyzed	
														13	Core Damage	
														14	Core Damage	
														15	Safe	
														16	Unanalyzed	
														17	Safe	
														18	Unanalyzed	
														19	Core Damage	
														20	Safe	
														21	Unanalyzed	
														22	Core Damage	
														23	Safe	
														24	Unanalyzed	
														25	Core Damage	
														26	Core Damage	
														27	Core Damage	
														28	Core Damage	
														29	Core Damage	

Figure 3-3

FIGURE ZC-1: LOSS OF OFFSITE POWER FAULT TREE

UNIT 2

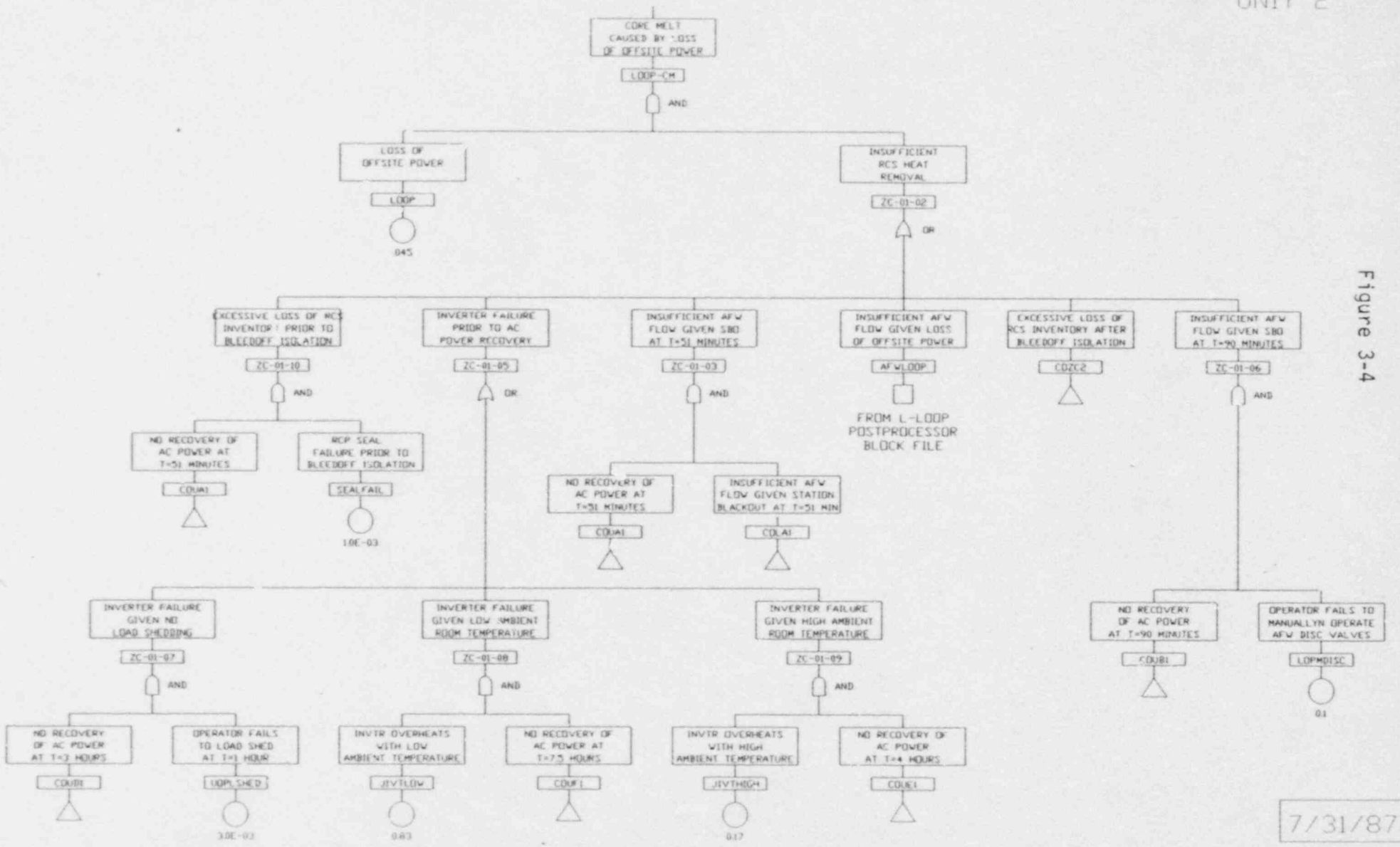


Figure 3-4

7/31/87

FIGURE ZC-1, SHEET 2

UNIT 2

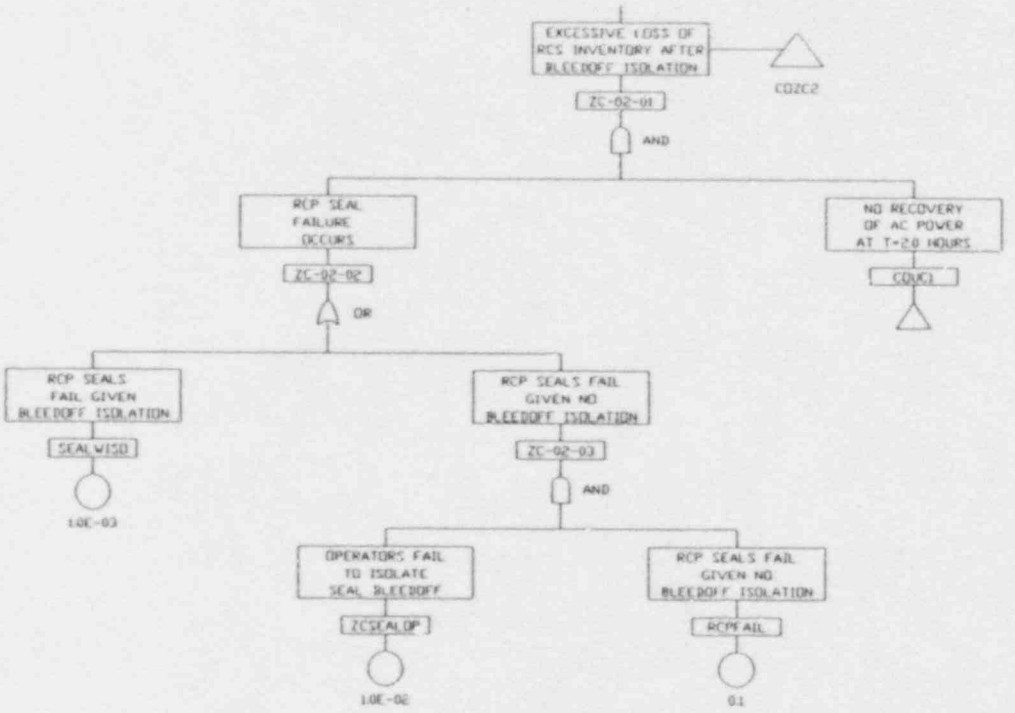


Figure 3-4 (Continued)

04/16/87

3.3 System Fault Trees/System Analysis

This section of the report provides brief descriptions of each of the plant systems that were modeled as part of the risk assessment effort. The intent of these summaries is to provide the reader with an overview of each system's design and operation, and to highlight key aspects of each system that were significant to the modeling effort as they pertain to the initiating event. Simplified P&ID's and electrical schematics are also included for each system. For additional information about these systems, the reader should consult the Updated FSAR and San Onofre Plant Manual system descriptions.

3.3.1 AC Power Systems

3.3.1.1 Design Criteria

The 220kV switchyard has the following main functions:

- To receive the electrical power output from the three unit generating main transformers and direct the power to various substations on the Southern California Edison (SCE) and San Diego Gas and Electric (SDG&E) transmission networks (grids).

- To provide a source of offsite electrical power for all three generating units under normal and emergency conditions.

The 220kV switchyard has the following design bases:

- The 220kV switchyard provides two physically independent offsite electrical power sources to the San Onofre Nuclear Generating Station. The sources provide sufficient power to supply the

safety-related equipment required for: (1) the safe shutdown of a unit and (2) the mitigation and control of accident conditions within a unit. The onsite emergency diesel generators provide a backup source of power to the safety-related equipment should the offsite sources become unavailable.

- The 220kV switchyard provides for bus and/or switchyard separation in the event of a fault occurring in a portion of the switchyard.

- The limiting criteria for the design of the switchyard bus support structures is the ability to withstand the dynamic effects of the worst possible short circuit.

The plant AC Electrical Distribution System is composed of five distinct distribution systems:

- Class 1E 4160V
- Class 1E 480V
- Non-class 1E 6.9kV
- Non-class 1E 4160V
- Non-class 1E 480V

The Class 1E Electrical System provides electrical power to safety-related equipment used to shutdown the reactor safely following a design basis event. The Class 1E Electrical System also supplies power to two 100% capacity independent trains of safety-related equipment designed for continued core cooling, reactor and containment heat removal, and containment isolation following a design basis event. Non-class 1E Systems supply power to non-safety-related equipment used to support normal plant operations.

Unit 2 and Unit 3 have separate electrical distribution system which are interconnected as follows:

- The power supply for the Non-class 1E 6.9kV Electrical Distribution System buses of one unit can be automatically or manually transferred to the reserve auxiliary transformers of the other unit (special conditions are required).

- The power supply for the Non-class 1E 4160V and 480V Electrical Distribution System of one unit cannot be cross-connected to the other unit. Some common plant components are provided with power feed lines from both units; interlocks ensure each component is powered from only one unit at a time.

- The offsite power supply for the Class 1E 4160V Electrical Distribution System buses can be automatically or manually transferred and cross-connected to the other unit bus of the same load group. [Note: In modeling assumption of design basis configuration offsite failure in one unit constitutes unavailability of offsite power in both units; therefore transferability between units is not modeled.]

The functions and design bases for the 4160V and 480V Electrical Distribution System have been discussed previously in Section 2.0.

The Non-class 1E 6.9kV Electrical Distribution System is main function is to distribute power to the reactor coolant pumps at a nominal voltage of 6.9kV.

The Non-class 1E 6.9kV Electrical Distribution System has the following design bases:

- For reliability, each 6.9kV bus has three separate power sources.

- Both the unit auxiliary transformers (2XU2 and 3XU2) and the reserve auxiliary transformers (2XR3 and 3XR3) are designed to carry the current of three running reactor coolant pumps plus the starting current of a fourth reactor coolant pump.

The Non-class 1E 4160V and 480V Electrical Distribution System's main function is to distribute power to non-class 1E 4.16kV loads and non-class 1E 480V loads during normal plant operating conditions.

The Non-class 1E 4160V and 480V Electrical Distribution System's design basis has both the unit auxiliary transformer (XU1) and the reserve auxiliary transformer (XR1 and XR2) Non-class 1E 4160V secondary windings designed to supply full Non-class 1E 4160V steady state load demand plus the starting current of the single largest Non-class 1E load (e.g., the single largest load is a circulating water pump).

3.3.1.2 System Configuration

Figure 3-5 presents a simplified one-line diagram of the Class 1E AC Power System.

The AC Power System provides AC power to safety and non-safety related systems throughout the plant. The AC Power System also supplies battery charging power for the DC Power System. Offsite power is normally supplied to the plant through the 220kV switchyard and distributed to the various

safety and non-safety buses through the 6.9kV, 4160V and 480V Distribution Systems.

The power from the units flows to the switchyard and is conducted to various SCE and SDG&E substations according to system demand. Power is also available to each unit's reserve auxiliary transformer to supply Class 1E loads under normal and accident conditions. The 220kV switchyard also supplies power to the reserve auxiliary transformers to supply Non-class 1E loads during a plant startup, shutdown, or following a unit trip.

The 220kV switchyard is divided into two separate sections consisting of the SCE section and the SDG&E section. The SCE portion of the switchyard is the north section and the SDG&E portion of the switchyard is the south section. The switchyard sections are normally tied together by sectionalizing breakers.

The 220kV switchyard is a double bus, double circuit breaker arrangement with nineteen positions. The two redundant buses are designated as the east bus and the west bus. The normal line-up for the 220kV switchyard, with three units on line, is with all the 220kV circuit breakers closed.

3.3.1.3 System Operation

During normal plant operation, the Class 1E buses are energized from the same unit reserve auxiliary transformers XR1 and XR2 (the preferred source of power). A second offsite power source from the other unit's reserve auxiliary transformer XR1 or XR2 (through other unit's Class 1E 4160V buses and crosstie breakers) is aligned to automatically re-energize the Class 1E buses should both offsite power supplies become unavailable.

Once every seven days the Class 1E buses and offsite power supplies are determined to be operable by verifying the correct breaker alignment and indicated power availability per Technical Specifications. The diesel generators are also tested in accordance with Technical Specifications on a monthly basis. Section 3/4.8 of Technical Specifications outlines the actions that should be taken if any of the Class 1E buses or Class 1E power sources becomes inoperable.

During cold shutdown and refueling, only one offsite power source, one load group, and its associated diesel generator are required to be operable. If the offsite power is supplie through the other unit's A04 or A06 bus, the other unit's Class 1E 4160V bus is also required to be operable. If the main generator iso-phase bus links are removed, the unit auxiliary transformer XU1 provides the same functions as XR1 and XR2.

The normal source of power to the 6.9kV buses is from the unit auxiliary transformer. In this alignment, the 6.9kV buses are provided with automatic transfer capabilities to two alternate power sources.

The normal source of power to the Non-class 1E 4160V buses is from the unit auxiliary transformer. In this alignment, the 4160V buses automatically transfer to their associated reserve auxiliary transformer if power is lost to the unit auxiliary transformer.

When the main generator is not on-line, the unit auxiliary transformers are de-energized and the reserve auxiliary transformers (XR1 and XR2) become the normal source of power to the Non-class 1E 4160V and 6.9 kV buses.

The offsite portion of the AC Power System is dependent upon the offsite electrical grid. The onsite portion of the AC

Power System is essentially independent of the Offsite AC System. However, the diesel generator starting-air accumulators only provide sufficient air for one failed starting attempt. Additional starting attempts, if required, would require the use of AC-powered starting air compressors or the use of bottled compressed gas to recharge the starting air accumulators. The onsite system is also dependent upon the DC Power System and ESFAS.

In the event of loss of offsite power to the unit, the Class 1E 4160V buses must be verified to have had power restored. There should be an automatic transfer of the Class 1E buses to the alternate unit's Class 1E 4.16kV buses. In the event that one of the cross-tie breakers fails to close or the alternate unit has also lost power, the diesel generators should start and restore power to the Class 1E buses. Further, with the provision of the proposed diesel generator automatic cross-connect modification, the unit will have access to the associated unit diesel generator provided the enable switch is in "AUTO" on the main control panels. As part of our modeling efforts we have included this provision on separate fault trees to reflect the cross-connect modification.

3.3.1.4 Loss of Offsite Power and Station Blackout Event

System Response

Following a loss of offsite power event, the Class 1E 4160V bus will de-energize due to unavailability of preferred offsite power. Subsequently, the diesel generators should start and restore power to the Class 1E buses. Should the diesel generators not be successful in restoring power, a station blackout condition exists. Response to this condition is a function of how quickly power can be restored. To reflect the critical times for non-recovery of

AC power during a station blackout, several recovery times (and fault trees) are used such as 51 minutes, 90 minutes, 2, 3, 4, and 7.5 hours. Each time phase element was discussed specifically in Section 3.2.

Success Criteria

Success criteria for the AC Power Distribution Systems are necessary to ensure power to various ESF loads.

Fault Tree Modeling Assumptions

The assumptions used in the construction of the fault tree are listed below:

1. Nonrecovery of offsite power and non-repair of diesel generators are modeled in the fault trees.

2. Because of the lack of sufficient data concerning the tandem diesel generators (Trojan, St. Lucie, and Sequoyah are other plants that have tandem diesel generators), the diesel generators are not further divided into 20 cylinder diesels, 16 cylinder diesels and generators in the fault tree.

3. Repair of the diesel generators is only modeled for failure to start. Repair of the diesel generators not able to continue running is not included because of its small probability.

4. The loss of offsite power as an initiating event is modeled explicitly in an event tree. A conservatism in the modeling is the assumption that loss of offsite power in one unit constitutes a loss of offsite power in both units.

5. The failure of control power for circuit breakers from the diesel generators to the 4160V buses is included in the fault tree.

6. Failures of the normally closed breakers connecting the 4160V buses and 480V buses are not modeled.

7. Failures of the 4160/480V transformers are not included in the fault trees.

3.3.1.5 AC Power System Fault Trees

There are several fault trees which model the AC Power System. The multiple trees were developed to reflect the importance of the time phasing of the AC Power System during the LOOP/SBO initiating event. As such, the following defines briefly the AC Power System fault trees found in Appendix A. The revised case, or proposed configuration trees are annotated by the prime symbol.

"U" tree:
Normal 480V AC and 125V DC (I-gates) Power System
"UA" & "UA'" trees:
Assumes no power at T=0 and failure to recover at 51 minutes
"UB" & "UB'" trees:
Assumes no power at T=0 and failure to recover at 90 minutes
"UC" & "UC'" trees:
Assumes no power at T=0 and failure to recover at 2 hours
"UD" & "UD'" trees:
Assumes no power at T=0 and failure to recover at 3 hours
"UE" & "UE'" trees:

Assumes no power at T=0 and failure to recover at 4 hours

"UF" & "UF'" trees:

Assumes no power at T=0 and failure to recover at 7.5 hours

"UT" & "UT'" trees:

4160V AC Power loss at T=0 and no recover at 51 minutes

SAN ONOFRE UNIT 2 CLASS 1E AC POWER SYSTEM

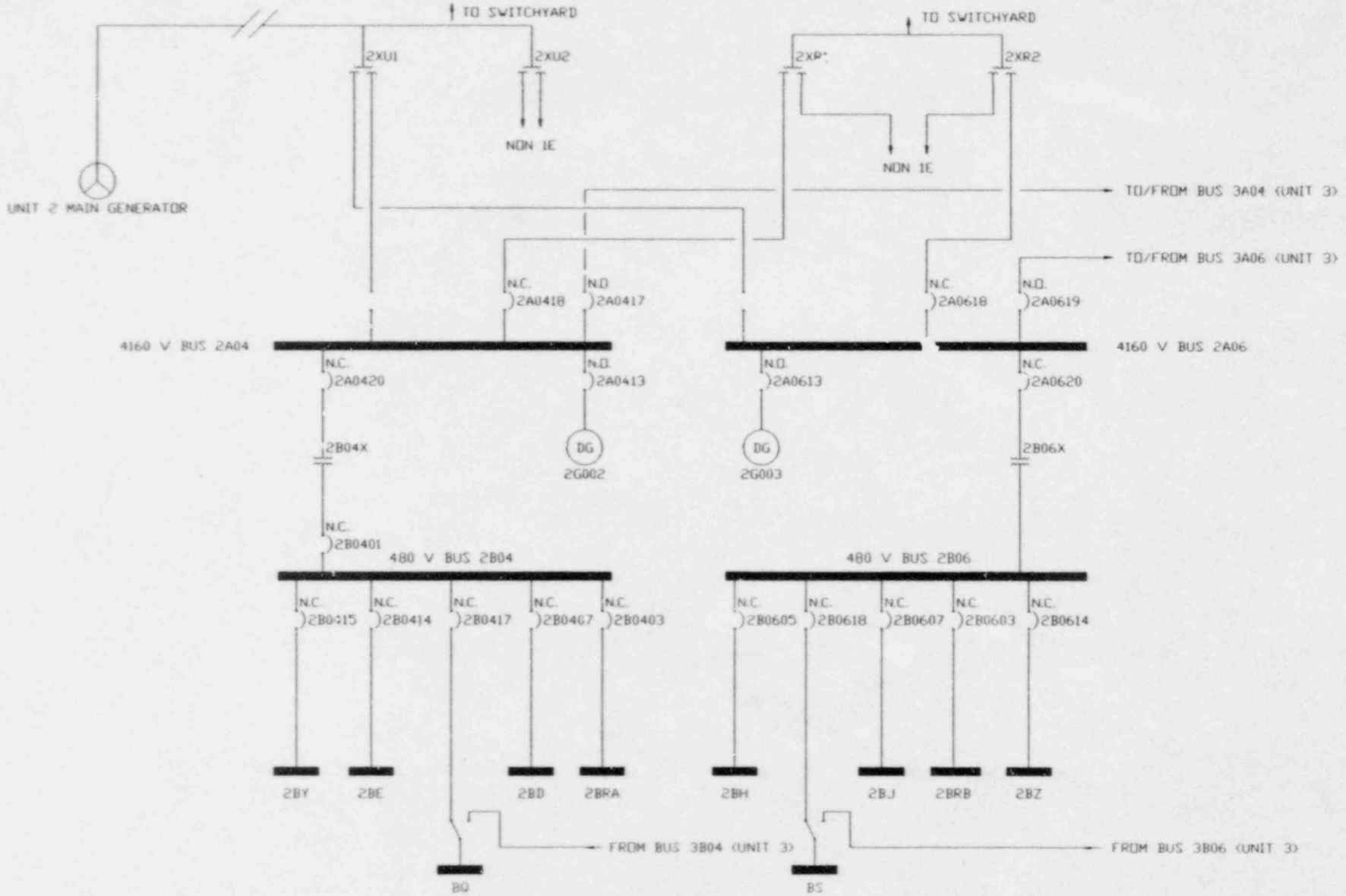


Figure 3-5

3.3.2 DC Power System and 120V AC System

3.3.2.1 Design Criteria

The Class 1E 125V DC System main function is to provide reliable safety-related (Class 1E) power for the instrumentation necessary to achieve a safe shutdown while monitoring unit status.

The Class 1E 125V DC System has the following design bases:

- One independent Class 1E 125V DC and 120V AC vital power source is provided for each reactor protective channel (A, B, C, and D). Each DC load group is energized by one battery and one battery charger.

- Class 1E 125V DC systems are not shared between units and channels (1, 2, 3, and 4) are separated to provide full independence and redundancy.

- Cable raceways are not shared by Class 1E and Non-class 1E systems.

- Class 1E systems are redundant so a loss of one load group will not prevent the minimum safety functions from being performed.

- Class 1E batteries (A & B) are sized for 90 minutes of operation without support of a battery charger. The chargers are sized for the maximum combined loads and to charge the battery from the minimum charged state to the fully charged state (95%) in 12 hours. Batteries C & D are long term batteries and are designed to last up to 10 hours with non-essential loads shed.

- Class 1E 125V DC supplies power to the vital inverters and the shutdown cooling inverters in the event all AC power to that station is lost.

- A spare battery charger is provided (one per each unit) to be used when an in-service charger fails or is shutdown for maintenance.

The 120V AC System has the following main functions:

- To provide reliable safety-related (Class 1E) single phase power to instruments and controls, for achieving a safe shutdown while monitoring unit status.

- To provide reliable, non-safety related (Non-class 1E) three phase power to uninterruptible power supplies (UPS) for important-to-safety computers and instrumentation.

- To provide transformed Non-class 1E power to non-safety related motors, motor heaters and panel space heaters.

The 120V AC System design basis has Class 1E 120V AC system components are quality class I or II; Non-class 1E components are quality class III.

3.3.2.2 System Configuration

Figure 3-6 presents a one-line diagram of the DC Power and 125V AC Power Systems.

The Class 1E 125V DC Distribution System is powered from Class 1E 480V AC Trains A & B. There are four safety-

related Class 1E 125V DC Power Distribution Systems provided for each unit.

Each charger operates in parallel with a 125V DC battery bank and maintains a float charge on the battery bank. In the event that power is lost to the charger, the battery maintains power to the 125V DC distribution bus.

Each distribution bus supplies power to a 125V DC engineered safety features distribution panel, a vital bus power supply inverter and either an auxiliary relay panel (Train A and B) or a shutdown cooling suction isolation valve inverter (Train C and D).

3.3.2.3 System Operation

During normal operation the battery charger continually delivers a DC output equal to the load and provides for normal battery internal losses. In this mode, the battery is in a "float" condition. Unless there is an AC power failure, the battery is not required to provide power and remains fully charged.

The capacity of the battery charger is based on the largest combined demand of all the steady state loads and the charging current required to restore the battery from the design minimum charge state to the 95% charged state within 12 hours, regardless of the status of the plant during which these demands occur.

Each battery bank (of 58 cells) can supply 125V DC power capable of supporting normal and emergency loads for a period of 90 minutes at a minimum of 105V DC (batteries C and D have a larger capacity). In addition, the vital AC inverters require cooling from its AC-powered Chiller System for long-term operation. Failure of the Chiller System

could result in a loss of the vital AC power buses in approximately 3-4 hours (if load shedding does not occur) or up to 7.5 hours (with load shedding). Hence, the DC Power System has a long-term dependency upon the AC Power System.

3.3.2.4 Loss of Offsite Power and Station Blackout Event

System Response

Following a loss of offsite power event, the DC Power and the 125V AC Power Systems will continue to provide power to the various loads. Should a loss of AC power to the battery chargers occur (i.e., station blackout), power will continue to be transmitted to the loads via the batteries. Batteries A and B can continue for up to ninety minutes with these conditions and batteries C and D, providing proper loads have been shed, can continue for up to 10 hours.

Success Criteria

The DC Power System is provided to ensure continuous power for ESF loads (i.e., 120V AC vital buses) during the LOOP/SBO. The 120V AC vital buses provide power to vital instrumentation systems required for monitoring vital parameters during the loss of offsite power and station blackout.

Fault Tree Modeling Assumptions

The assumptions used in the development of the fault trees for the DC Power System are listed below:

1. The major failure modes of DC power sources considered include the battery being unavailable and failure of the battery charger to operate, given insufficient power from the battery.

2. The breakers from the motor control centers to the battery chargers and those from the battery chargers to the DC buses are normally closed and are not modeled.

3.3.2.5 DC Power System and 120V AC System Fault Tree

The DC Power System fault tree is included with the 480V AC "U" tree presented in Appendix A. The DC power portion of the "U" tree is designated by "I."

SAN ONOFRE UNIT 2 CLASS 1E DC POWER SYSTEM

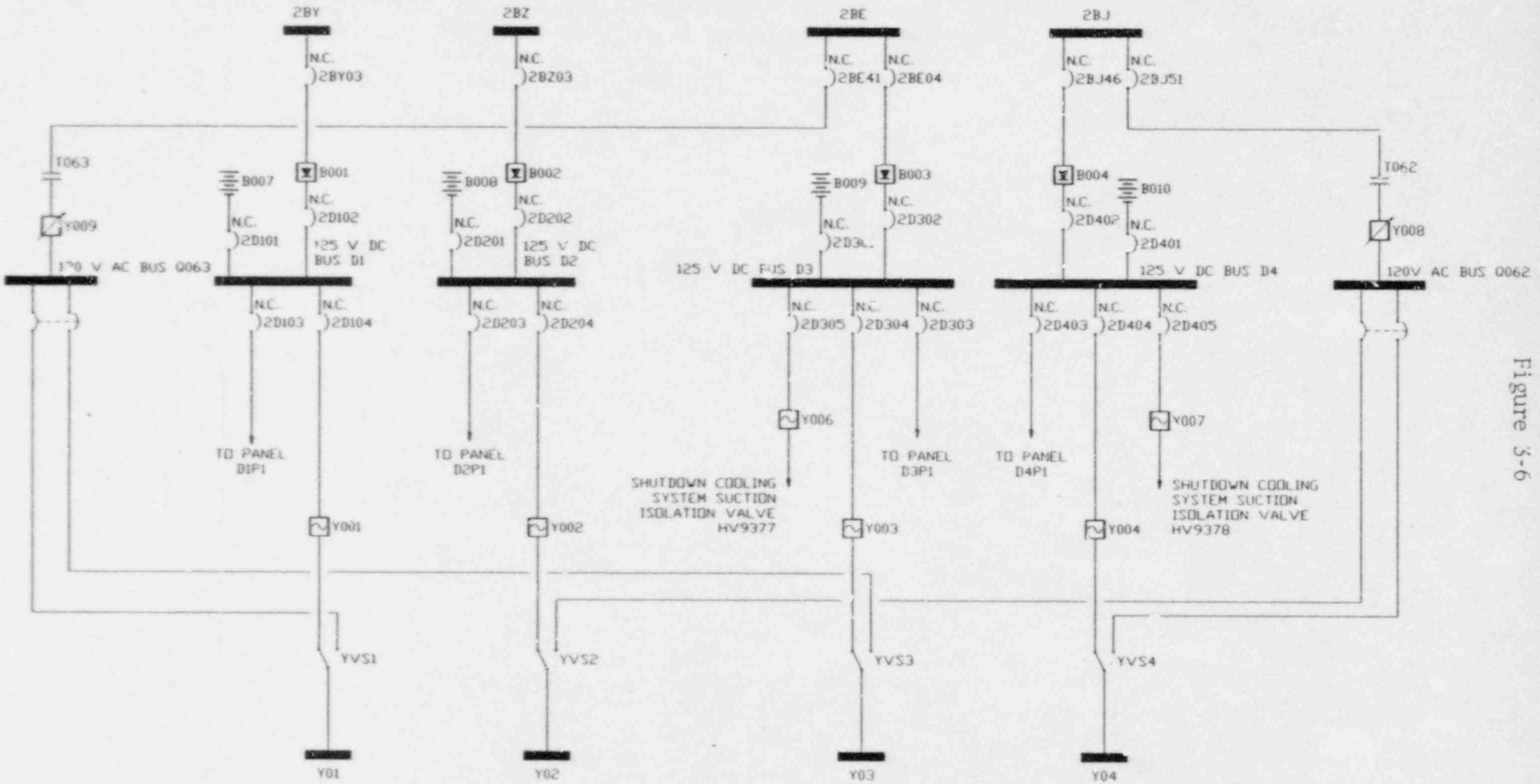


Figure 5-6

3.3.3 Auxiliary Feedwater (AFW) System

3.3.3.1 Design Criteria

The SONGS-2 AFW System has the following main functions:

- To provide feedwater to the steam generators during normal plant startup and shutdown.

- To automatically provide feedwater to the steam generators during emergency conditions for reactor decay heat removal and to cool down the Reactor Coolant System (RCS).

The AFW System has the following design bases:

- The AFW System, operating in conjunction with the steam generators, (1) removes sufficient heat from the reactor core and coolant under loss of main feedwater conditions to prevent a potential radiological accident from occurring through partial or temporary uncovering of the fuel, and (2) reduces the reactor coolant temperature to the point that the Shutdown Cooling System may be placed in operation.

- The AFW System is designed so that a single failure, assuming a loss of either offsite or onsite power, cannot impair the ability of the system to comply with the above stated design basis.

- The AFW System is designed to remain functional during and/or following adverse environmental conditions, such as

earthquakes, flooding, pipe whip and jet impingement from high energy line breaks, and internally or externally generated missiles.

- The AFW System is designed with diverse motive power supplied to the pumps and control valves.

- Design considerations of the feedwater piping and steam generator feed are intended to preclude the occurrence of hydraulic instabilities.

- The AFW System supplies feedwater to the steam generators during normal startup, shutdown, hot standby, and low flow test conditions.

3.3.3.2 System Configuration

Figure 3-7 presents a simplified P&ID of the AFW System.

The AFW System is comprised of three 100% capacity auxiliary feedwater pumps, and associated piping, valves, instrumentation, and controls. Two of the pumps, P-141 and P-504, are driven by electric motors with each pump's discharge piping lined up to one of the two steam generators. The third pump, P-140, is driven by a steam turbine and its discharge is connected to both steam generators via the same piping used by the motor-driven pumps.

Each of the three AFW pumps takes suction from condensate storage tank, T-121, through separate suction lines. Makeup is from non-seismic category I condensate storage tank, T-120, which is connected to the first tank by a suitable

piping system allowing for gravity flow. Although tank T-120 is non-seismic category I, the walls of the enclosure are designed to Seismic Category I conditions. This makeup system allows a total of 350,000 gallons, which is the anticipated makeup demand requirement for 24 hours following a design basis event, to be available for the AFW System.

The AFW motor-driven pumps discharge through independent check valves and isolation valves to the AFW flow control valves. Check valves are located close to the discharge of the motor-driven pumps to prevent backflow through either pump. Backflow through the steam-driven pump is prevented by check valves located in each of its two discharge lines that interconnect with the motor-driven pump discharge lines.

A recirculation line from each pump discharge pipe is directed back to the condensate storage tank T-121. Each recirculation line is sized to pass a continuous minimum flow of 100 gpm.

The discharge lines from the motor-driven auxiliary feedwater pump trains are equipped with AC motor-operated control valves (HV-4712 and HV-4713) and AC electrohydraulic bypass control valves (HV-4762 and HV-4763). Discharge lines from the turbine-driven pump are equipped with DC motor-operated control valves (HV-4705 and HV-4706).

Flow is directed from the control valves to two parallel containment isolation valves provided in each AFW line to each steam generator. One isolation valve to each pair is AC electrohydraulic-operated (HV-4714 and HV-4731); the other valve pair is DC motor-operated (HV-4715 and HV-4730). This arrangement assures a flowpath to at least one steam generator should a valve failure occur concurrent with a loss of AC or DC power.

Each auxiliary feedwater line then passes through the containment wall and connects to a main feedwater line between the main feedwater check valve and the steam generator inlet nozzle. The AFW lines are also provided with check valves located as close as practical to the steam generator inlet nozzles. The check valves provide for system separation and reduce the likelihood of a steam generator blowdown should a main or auxiliary feedwater line break occur.

All remotely actuated AFW pumps and valves can be remote manually controlled from the control room using hand switches located at panel CR-52. Remote manual control of system pumps and valves is performed during normal plant startups and shutdowns or for testing if control room control is unavailable.

3.3.3.3 System Operation

The Auxiliary Feedwater System is controlled automatically by the emergency feedwater actuation signal (EFAS). Initiation of an EFAS automatically actuates the AFW System to provide auxiliary feedwater supply to the steam generators on low steam generator water level (<25%). When an EFAS signal is generated, the turbine-driven pump (P-140) and the corresponding motor-driven pump (P-141 or P-504) dedicated to the steam generator that is initiating the signal are automatically started. To deliver flow to the affected steam generator, auxiliary feedwater control valves and isolation valves are fully opened. When steam generator level increases to 30%, a signal is generated to close the control valves that provide AFW flow to that generator. When the level in the generator again drops below 25%, these control valves are automatically reopened. Initiation of a main steam isolation signal (MSIS) automatically shuts all remotely actuated auxiliary feedwater control valves and

isolation valves unless an EFAS signal is present. A MSIS is actuated following a rapid decrease in steam generator pressure. Should an auxiliary feedwater control valve receive an EFAS, the MSIS to the valve is blocked locally at the equipment, allowing the valve to be controlled by the EFAS logic.

Actuation of both a MSIS and an EFAS is an indication of a ruptured steam generator. Should this event occur, the EFAS logic automatically isolates auxiliary feedwater flow to the ruptured steam generator and controls flow to the intact steam generator.

If necessary, one motor-driven pump may be aligned to feed either of the two steam generators or both simultaneously by opening manually-operated isolation valves V-634 and V-635 in the 4" cross-tie that connects the two discharge lines of the motor-driven pumps.

All remotely actuated Auxiliary Feedwater System valves can be hand-operated should control power to the valves be lost.

The electrical power dependencies for each of the components described above are listed in Table 3-2.

The support systems upon which the AFW System is dependent are listed in Table 3-3.

3.3.3.4 Loss of Offsite Power and Station Blackout Event

System Response

Following a loss of offsite electrical power, the AFW System will respond upon a loss of main feedwater and subsequent decrease in steam generator level with both motor-driven pumps, being powered from the onsite emergency diesel

generators, and the turbine-driven AFW pump. Should both diesel generators be unavailable, the plant will be in a blackout condition. Steam generator inventory will continue to be supplied via the turbine-driven AFW pump. Ninety minutes from the start of the blackout condition Batteries "A" and "B" will be depleted, resulting in a loss of control power to the AFW control valves. The control valves can be manually overridden by the operators and flow maintained to the steam generators.

Loss of AFW for more than 51 minutes following a trip results in the steam generators boiling dry.

Success Criteria

Following a loss of offsite power/station blackout at least one AFW train is required to function successfully.

For AFW train "X" to function successfully during a LOOP/SBO event:

1. EFAS "X" (A and B signals) must be actuated either automatically or manually.

2. At least one AFW pump must start and continue to run for 24 hours.

3. At least one "functional" steam generator must be available for decay heat removal (a functional steam generator is defined as one which does not boil dry or suffer permanent loss of heat removal capability due to the accumulation of non-condensable gases in the steam generator U-tubes).

4. Discharge from the pump must be delivered to at least one functional steam generator.

5. Support systems and power supplies must be operating.

Fault Tree Modeling Assumptions

The assumptions used in during the construction of the fault tree are listed below:

1. Flow diversion to the Main Feedwater System is included in the fault tree. However, multiple check valve failures are involved and the probability is negligible.

2. Pump room cooling failure is not modeled, since a test was performed that indicated the room temperature would not exceed the operable limits associated with the AFW System turbine trip controls when the turbine-driven pump was in operation.[33] The motor-driven pumps are qualified for temperatures expected following a steam line break in the AFW pump room.

3. Insufficient AFW flow from the turbine-driven pump (P140) to the steam generators could occur if one safety relief valve per steam generator sticks open (i.e., worst case condition). This would depressurize both steam generators; resulting in two possible situations. The first is that both steam generators depressurize to less than the required 65 psia needed to drive the AFW turbine-driven pump. Secondly, since both safeties are stuck open, the generators depressurize at roughly the same rate; reaching the EFAS setpoint at the same time. However, since neither generator is at least 50 psia greater than the other and each steam generator's pressure would probably be lower

than 729 psia, the EFAS logic would not generate a signal; thus AFW would not be provided to the steam generators.

4. Failure of the turbine-driven pump to operate due to overfill of the steam generators causing water intrusion into the turbine is included.

5. The failure of motor-operated valves 4705, 4706, 4712, and 4713 during the process of cycling on and off is included in the fault trees as aggregated basic events. Failure of isolation valves 4730, 4714, 4731 and 4715 to cycle open on subsequent demands is not included since the valves are in parallel and it would take both to fail (per train).

6. Flow diversion through two or more check valves is not considered because of its low probability.

7. It is assumed that AFW flow must be initiated within 51 minutes to avoid steam generator boil dry.

3.3.3.5 AFW System Fault Tree

The base fault tree presented in Appendix A was developed to model the AFW System response to a LOOP/SBO event.

The system is designated by the letter "L" for the normal AFW System with all 3 pumps modeled. The "LA" tree represents the AFW System with only the turbine driven pump, to reflect AFW operation during a station blackout condition.

Table 3-2

Power Dependency Table
AFW System

Power Component	Motive Power Supply	Control Supply
Motor-driven Pump P-141	2A04	2D1
Motor-driven Pump P-504	2A06	2D2
Turbine-driven Pump P-140	Steam	*
HV-4713	2BE	*
HV-4763	2BR	*
HV-4712	2BZ	*
HV-4762	2BR	*
HV-4705	2D1	*
HV-4706	2D2	*
HV-4730	2D1	*
HV-4731	2BE	*
HV-4714	2BZ	*
HV-4715	2D2	*
HV-4716	2D2	*

* Control power for these devices is derived directly from the motive power source

Table 3-3

Support System Dependency Table
AFW System

Support System	Dependent?	Remarks
Offsite AC Power	Y	
Emergency AC Power	Y	Necessary only when offsite AC Power is unavailable.
DC Power	Y	
ESFAS	Y	
CCW	N	
SWCS	N	
Chilled Water	N	
Instrument Air	N	
Room Cooling	N	

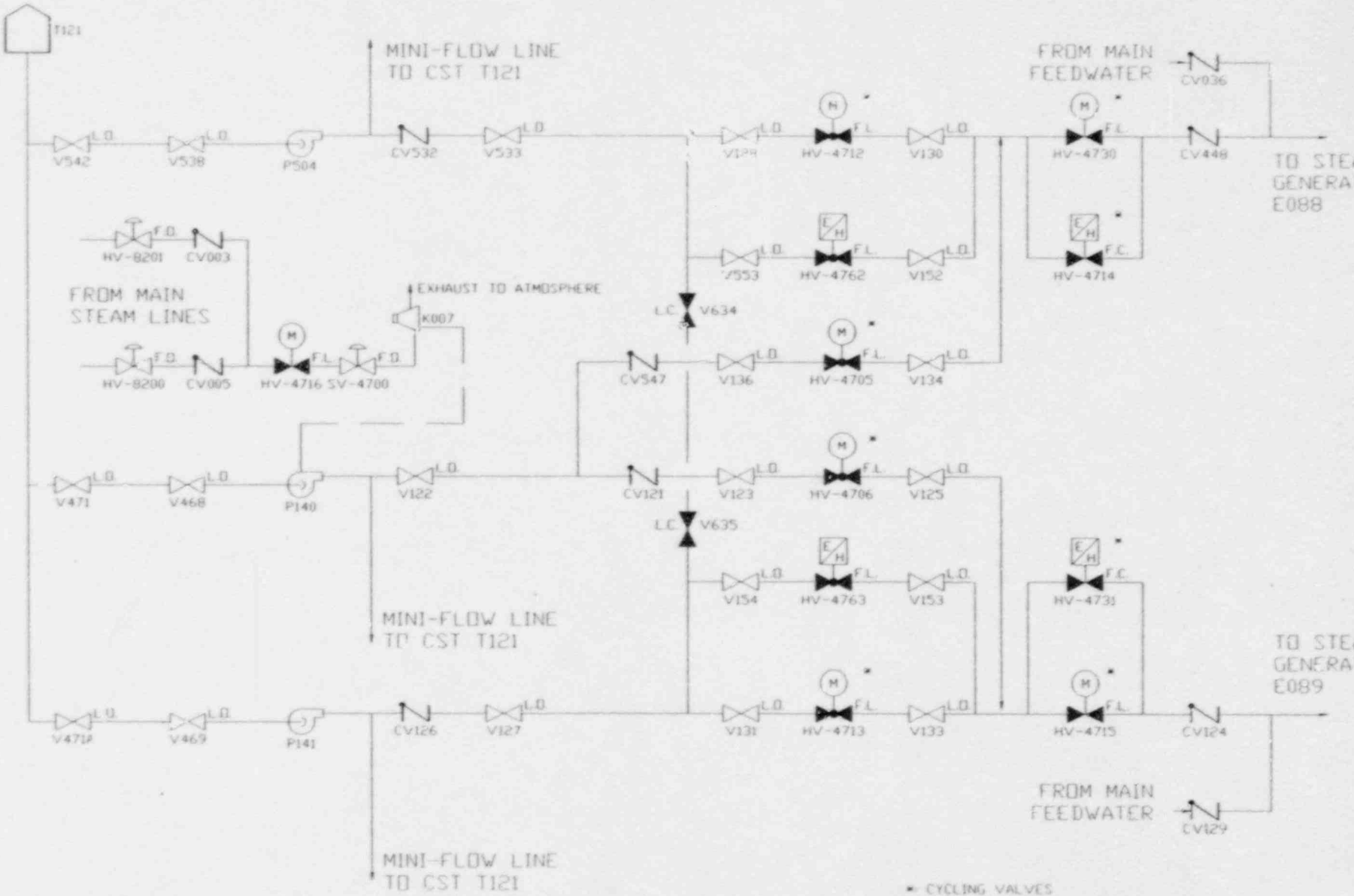

SAN ONOFRE UNIT 2 AUXILIARY FEEDWATER SYSTEM
T121
MINI-FLOW LINE
TO CST T121
FROM MAIN
FEEDWATER
CV036
V542
V538
P504
CV532
V533
V129
HV-4712
V130
HV-4730
CV448
TO STEAM
GENERATOR
E088
HV-8201
CV003
FROM MAIN
STEAM LINES
EXHAUST TO ATMOSPHERE
K007
V553
HV-4762
V152
HV-4714
LC
V634
HV-8200
CV005
HV-4716
SV-4700
CV547
V136
HV-4705
V134
V471
V468
P140
V122
CV121
V123
HV-4706
V125
LC
V635
V154
HV-4763
V153
HV-4731
MINI-FLOW LINE
TO CST T121
TO STEAM
GENERATOR
E089
V471P
V469
P141
CV126
V127
V131
HV-4713
V133
HV-4715
CV124
FROM MAIN
FEEDWATER
CV129
MINI-FLOW LINE
TO CST T121
* CYCLING VALVES

Figure 3-7

3.4 Input Data Development For Base Case

A reliability assessment will yield results that are consistent with the level of detail supplied from the data. That is, the analysis is only as good as the data used in the development of the fault trees. Data is broken down into 4 main categories: initiating event frequency data, component failure data, dependent failure data, and human reliability data. The data used for this analysis is presented in this section.

3.4.1 Initiating Event Frequency Data

Loss of Offsite Power

The frequency of loss of offsite power initiating event used is taken from NSAC/85 [6] and is 0.045/yr. This value is slightly lower than that used in other PRAs as indicated below, however this value is based upon most recent electrical grid experience.

PRA Study	Frequency of Loss of Offsite Power
Zion	5.8×10^{-2}
Indian Point 2	1.8×10^{-1}
Indian Point 3	2.7×10^{-1}
Seabrook	1.4×10^{-1}
Oconee	4.0×10^{-2} (Grid) 1.3×10^{-2} (Substation)

3.4.2 Component Data

The mission time used for all components whose failure probability is time-related is 24 hours.

The major sources of component failure data include:

- o IREP procedures guide
- o WASH-1400
- o Limerick PRA
- o Oak Ridge AC power reliability study (NUREG/CR-2989)
- o Calvert Cliffs IREP study (NUREG/CR-3511)
- o Shoreham PRA
- o Judgment
- o NSAC/85
- o Plant Operating Experience

Table 3-4 lists a summary of the generic unavailability data used in this analysis.

The following sub-sections highlight the assumptions considered in the process of developing the data base.

3.4.2.1 Component Failure Data

Valves

Failure rates (both per demand and per hour) and associated error factors for valves, air-operated valves, check valves, manual valves, safety valves, and relief valves are taken directly from the generic data base defined in the IREP procedures guide.[1]

Pumps

Failure rates (both per demand and per hour) and associated error factors for motor-driven pumps and turbine-driven pumps are taken directly from the generic data base defined in the IREP procedures guide.[1]

Diesel Generators

Failure rates (both per demand and per hour) and associated error factors for diesel generators are taken directly from a study performed by Oak Ridge National Laboratory. [4] However, it should be noted that data specific to the diesel generators used at SONGS-2 is not available. This is due to the use of tandem diesel generators at San Onofre which were chosen for their high reliability, but is a unique design with insufficient performance data available.

ESFAS

Failure rates for the ESFAS subsystems are taken directly from a previously performed San Onofre Unit 2 ESFAS reliability Study[10]. The calculated failure rates are divided into common cause and independent failure rates for incorporation into this study as shown:

ESFAS Subsystem	Mean Unavailability Per Train	Common Cause Unavailability	Independent Train Unavailability
EFAS-1, EFAS-2	9.42×10^{-4}	8.9×10^{-4}	5.2×10^{-5}

Instrument Air

Valves requiring instrument air in order to operate are given a failure condition upon loss of instrument air. Only those valves which fail in an unsafe condition relative to core melt are modeled for this failure. The instrument air failure rate was chosen using engineering judgment to be 1.0×10^{-3} per demand.

Conditional Loss of Offsite Power

As a result of the turbine-generator trip resulting from a plant transient, there is a probability that the utility electrical grid might be de-stabilized, resulting in a loss of offsite power at the plant. A value of 1.0×10^{-3} per demand was used, which is consistent with that assumed in WASH-1400.

Inverter Failure Due to Temperature Conditions[20]

Under high inverter room temperature conditions (i.e., outside air temperature > 72°F) the inverters will fail due to overheating if AC power is not restored within 4 hours. Additionally, if inverter room temperature is low (i.e., outside temperature is < 72°F) then AC power must be restored within 7.5 hours to prevent inverter failure due to overheating. To determine the probability of the outside ambient temperature exceeding 72°F during any hour of the year, the following calculation was performed:

PT > 72°F = Summation of (# hours > 72°F per average day/24)/12
PT > 72°F = 0.17

This value represents the basic event JIVTHIGH found in the ZC fault tree. The probability of outside temperature being less than 72°F is determined by:

1 - 0.17 = .83

Eighty-three percent of the time temperature will be < 72°F. This is the JIVTLOW event on the ZC fault tree.

EFAS Valves Failure to Reopen

AFW discharge valves are given a failure to re-open on

subsequent demands. That is, since they are cycling valves, they are subject to multiple open/close demands after the initial open/close signal. A failure rate of 1.0×10^{-3} per demand was chosen to reflect these subsequent cycling demands.

3.4.2.2 Test and Maintenance Data

The contribution of testing to system unavailability is generally insignificant compared with that due to the maintenance, because of the relatively shorter duration associated with testing and the fact that components under test are normally available to respond upon demand, if required. Only maintenance unavailability is included in the fault tree models.

Motor-Operated Valves

The frequency of maintenance of motor-operated valves is assumed to be 3.6×10^{-6}/hour with a duration of 7 hours.[5] The unavailability of motor operated valves due to maintenance is thus:

$$3.6 \times 10^{-6}/\text{hour} \times 7 \text{ hours} = 2.5 \times 10^{-5}$$

Pumps

No distinction is made between the maintenance unavailability for the motor-driven pumps and that for the turbine-driven pumps. Pump maintenance data from the Calvert Cliffs IREP was used. The turbine-driven AFW pump had the highest maintenance unavailability of all standby safety pumps, and this value was used for San Onofre. Based upon the Calvert Cliffs data, the frequency of maintenance of pumps is 4.6×10^{-4}/hour and the maintenance duration is

8 hours. The unavailability of pumps due to maintenance is thus:

$$4.6 \times 10^{-4}/\text{hour} \times 8 \text{ hours} = 3.7 \times 10^{-3}$$

Diesel Generators

The maintenance unavailability value selected for the diesel generators is 2.4×10^{-2}. This is based on plant specific empirical data of two diesel generators being unavailable due to maintenance for 440 total hours per 18,324 hours in Mode 1.

Unit 3 diesel generators 3G002 and 3G003 (which are considered as alternate power sources for Unit 2) can also be in maintenance due to the unit being in a shutdown outage. A value of 0.15 was chosen based on Unit 3 having a 70% capacity factor, resulting in the Unit being in an outage the remaining 30% and subsequently each diesel generator being unavailable half of that time.

3.4.2.3 Recovery Data

As noted previously, equipment recovery is considered only for equipment failures that are dominant contributors to core damage. In particular, offsite power, diesel generator, and auxiliary feedwater turbine-driven pump are considered.

Recovery of Offsite Power

Several critical times associated with the recovery of offsite power are used as discussed previously. For recovery activities within 10 minutes after the loss of offsite power, the probability of non-recovery is estimated to be 0.75, based on NSAC 85. Similarly, the following

table is presented to show the probabilities of non-recovery for the other critical times analyzed in this study:

TIME	NONRECOVERY PROBABILITY
51 minutes	0.33
90 minutes	0.20
2 hours	0.14
3 hours	0.09
4 hours	0.07
7.5 hours	0.02

Repair of Diesel Generators

For station blackout conditions, the ability to use compressors to provide backup starting air is lost. In addition, the station batteries that provide control and excitation power for the diesels have a lifetime of 90 minutes under blackout conditions.

Bottled N_2 gas can be used in the event of station blackout to recharge to starting air compressors to an acceptable level. The use of bottled gas is a common maintenance practice, but is not formally incorporated into the plant's emergency operating procedures. For the purposes of this study, the probability of non-recovery of the diesel generators under station blackout conditions was estimated to be 0.94 for recovery by T=51 minutes and 1.0 for T=2.5 hours. The T=51 minutes value was calculated using the exponential repair model, assuming the mean time to repair for diesel generators is 13 hours.

For uncomplicated reactor trip, LOCA, and steam line break conditions, it is assumed that one diesel generator can start and provide sufficient AC power for the compressor to fill up a depleted air receiver and to provide charging

power to the station batteries. For repair of a failed diesel generator within 10 minutes, a probability of non-repair of 1 is used. For repair within 51 minutes, a probability of non-repair of 0.94 is used (based upon the exponential repair model discussed above).

Turbine-driven Auxiliary Feedwater Pump Recovery

It is estimated that of all the start failures related to the turbine-driven AFW pump, 80% are of the type that can be recovered prior to the steam generator boiling dry. To develop the AFW pump non-recovery probability it was further assumed that of the recoverable-type start failures, 95% of the attempted recoveries will be successful. Therefore, the non-recovery probability is:

$$1 - (.80 \times .95) = 0.24$$

3.4.3 Dependent Failure Data

A limited number of common mode failures were included in this study, particularly for diesel generators, motor-driven pumps and valves. It should be noted that these common mode failures are not modeled in the fault trees, but rather are included by the FTAP POSTPROCESSOR. Beta factors used in this study are presented in Table 3-5.

Diesel Generators

For diesel generator failures (start and run), data from the Shoreham PRA[6] indicates a dependent failure probability of a second diesel generator failing given the first diesel generator fails is 0.188. A second source, EPRI NP-3967, "Classification and Analysis of Reactor Operating Experience Involving Dependent Events," [22] indicates a second diesel generator dependent failure probability as 0.05. It is

believed that these sources of information represent the upper and lower bounds of true diesel dependency failures. Therefore, for this analysis, the dependent failure probability is assumed to be 0.12, to more accurately reflect the true failure dependency. Further, for failures of the third and fourth diesels, a conditional failure probability of 0.25 and 0.5 was assumed, respectively.

Pumps

For common mode pump failures (i.e. AFW), a "Beta factor" model was assumed, where Beta is set equal to 0.1. Hence,the common mode failure probability of two pumps is assumed to equal

(.1 P(1 pump) + P(independent failure of two pumps))

Since the failure to start probability of one motor-driven pump used in this study was 3×10^{-3}, the common mode failure probability used was 3.1×10^{-4}.

Valves

Common mode valve failures were modeled in detail for the AFW system. Common mode failure of multiple motor-operated and hydraulic-operated valves were considered using a simplified "Beta factor" approach. The probability of a single valve failure in this study is 3×10^{-3}. For simplicity, it was assumed that failures of two similar valves would occur at a frequency corresponding to 0.1 times the probability of a single valve failure or 3×10^{-4}. For combinations of three or more similar valves, the common mode failure probability was assumed to be 3×10^{-5}.

Failure of Two or More Steam Generator Safety Valves

Following a reactor trip with the Steam Bypass Control System (SBCS) unavailable, the steam generator safety valves will slowly cycle open and closed to remove decay heat. Based upon the IREP Procedures Guide data base, the probability of a single safety valve failing to reclose is 0.01 per demand. It is assumed that failures to reclose on subsequent demands, given a successful reclosure following the first demand, are much less likely.

For failures of two or more safety valves to reclose a beta factor of 0.1 was assumed. Hence, the probability of two or more failures was calculated as follows:

$$P(\text{2 or more valves}) = \text{Beta } (P(\text{1 valve})) + (P(\text{1 valve}))^2$$
$$= 0.1\ (0.01) + (0.01)^2$$
$$= 1.1 \times 10^{-3}$$

3.4.4 Human Reliability Data

Manual Actuation of EFAS

The critical time to provide actuation for this system under the station blackout initiating event is at least 30 minutes. Since emergency operating procedures instruct the operator to manually actuate those systems if automatic actions fail, an error probability of 0.003 is used based upon Ref. 15 guidelines.

Operator Action to Cross Connect the Motor-Driven AFW Pump Discharge Lines

The critical time available for the operator to cross-tie the AFW System is determined by the relative short time period before steam generator dryout. The actual steps

involved in conducting this operation are not proceduralized, however, there is a high degree of awareness of the existence of the cross-tie line and its associated valves. Therefore, a failure probability of 0.25 was used for this effort which takes into account the time for the initiating event to actuate the AFW System, time for the operators to diagnose a problem with the AFW System and promulgate a decision to cross-connect the discharge lines, time to read the P&ID's to verify valve number and issue the order to open the valves, and time for the operators to get to and open the two manual valves.

Operators Overfill Steam Generators

An overfilled steam generator will effect the operability of the AFW turbine-driven pump since it is assumed the turbine will not function under water flow conditions. In order to overfill the steam generators, the operators must fail to recognize that an overfill is occurring and fail to take corrective action. A conservative failure probability of 1.0×10^{-3} per demand was chosen. It is consistent with other values used in this study for multiple and complex action steps required by operators under stressful situations.

3.5 Input Data Development for the Diesel Cross-Connect Modification Case

In support of the proposed modification, new data was added to the fault trees to reflect the diesel cross-connect capability. Only data unique to this case study is presented here. That is, data which is common to both this case and the base case is presented in Section 3.4.

3.5.1 Test and Maintenance Data

Diesel Generators

One of the changes made to the trees was the value selected for the maintenance unavailability of the diesels. The value selected is based upon a 60 day maintenance unavailability per diesel per year. Thus, the maintenance unavailability is 1.6×10^{-1}. Several other values were chosen for sensitivity studies. This was based upon maintenance unavailabilities of 30, 45, 75 and 90 days.

3.5.2 Human Reliability Data

Operator's Action to Tie-in Unit 3 4kV Bus

The operator, in the event a diesel becomes inoperable, will be directed to shift the diesel cross-connect switch to auto to enable the automatic circuitry. The probability of failure to tie-in the appropriate Unit 3 diesel generator is assumed to be based on the following information taken from NUREG/CR 1278[15]:

(Procedure with > 10 steps) X (Individual to check step) X (stressful situation) = (.01) X (.1) X (5) = 0.005.

Table 3-4

Generic Basic Event Probabilities Used in this Analysis

Component and Failure Modes	Failure Per Demand	Failure Rate	Mission Time	Mean Unavail-ability	Error Factor	Ref.
Motor Driven Pumps						
Failure to Start	3.0E-3	----	----	3.0E-3	10.0	1
Failure to Run	----	3.0E-3	24 hrs.	7.2E-4	10.0	1
Unavail. due to Maint.	----	4.6E-4	8 hrs.	3.7E-3	10.0	5
Turbine Driven Pumps						
Failure to Start	3.0E-2	----	----	3.0E-2	10.0	1
Failure to Run	----	1.0E-5	24 hrs.	2.4E-4	3.0	1
Unavail. Due to Maint.	----	4.6E-4	8 hrs.	3.7E-3	10.0	5
Motor Operated Valves						
Failure to Open/Close	3.0E-3	----	----	3.0E-3	10.0	1
Failure to Remain Open	----	1.0E-7	24 hrs.	2.4E-6	3.0	1
Unavail. Due to Maint.	----	3.6E-6	7 hrs.	2.5E-5	10.0	5

Table 3-4 (Continued)

Component and Failure Modes	Failure Per Demand	Failure Rate	Mission Time	Mean Unavail-ability	Error Factor	Ref. Table 3
Air Operated Valves						
Failure to Open/Close	3.0E-3	----	----	3.0E-3	10.0	1
Failure to Remain Open	----	1.0E-7	24 hrs.	2.4E-6	10.0	judgment
Check Valves						
Failure to Open	1.0E-4	----	----	1.0E-4	3.0	1
Manual Valves						
Improper Position	1.0E-4	----	----	1.0E-4	3.0	1
Circuit Breaker						
Failure to Open/Close	3.0E-5	----	----	3.0E-3	10.0	1
Electrical Buses						
Short or Open	----	1.0E-8	24 hrs.	2.4E-7	3.0	1

Table 3-4 (Continued)

Component and Failure Modes	Failure Per Demand	Failure Rate	Mission Time	Mean Unavail-ability	Error Factor	Ref.
Diesel Generators						
Failure to Start	2.5E-2	____	____	2.5E-2	3.0	4
Failure to Run	____	2.3E-3	24 hrs.	5.5E-2	10.0	4
Unavail. Due to Maint.	_ _	2.5E-4	26.4 hrs	6.6E-3	10.0	plant-specific
Unavail. Due to Maint.	____	2.5E-4	26.4 hrs	6.6E-3	10.0	plant-specific data
Inverters						
Failure to Operate	____	1.0E-6	24 hrs.	2.4E-5	3.0	1
Battery Chargers						
Failure to Operate	____	1.0E-6	24 hrs.	2.4E-5	3.0	1
Inverters						
Failure to Operate	____	1.0E-4	24 hrs.	2.4E-3	3.0	1
Cables						
Short or Open	____	3.3E-6	24 hrs.	7.9E-5	10.0	1

Table 3-5

Beta Factors Used In This Study

COMPONENT	BETA(B) FACTORS (MEAN VALUE)
Diesel Generators	
o For two failures	0.12
o For more than two failures	0.25
o For three or more failures	0.5
Motor Operated Valves (two or more failures)	0.1
Motor Operated Pumps (two or more failures)	0.1

4.0 RESULTS

4.1 Overview

This section presents the results of the comparative reliability assessment regarding the SONGS Units 2 and 3 Emergency AC Power System as currently configured and with a proposed diesel generator cross-connect modification. Fault tree models depicting component failures and interaction commensurate with the facility's configuration, following a loss of offsite power (LOOP) initiating event, were quantified using industry accepted computer codes. Results of the analytical computations in terms of "mean system unavailability" yield an overall probability of failure per reactor-year. Failure, in this context, is defined as core melt resulting from inadequate heat removal in which fuel melting occurs. Consequently, "mean system unavailability" is synonymously referred to as the probability of core melt or overall core melt frequency.

The overall core melt frequency is derived by summing the probabilities of all possible combinations of basic events that result in core melt. Basic events represent the limiting failure modes in the analyses, characterized by a component failure and associated occurrence probability (i.e., a diesel generator fails to start with an occurrence rate of 2.5E-02 per reactor-year). The combinations of component failures resulting in core melt, termed cut sets, depict minimal combinations of limiting failure modes resulting in system unavailability. Consider the following cut set:

BASIC EVENT	Probability of Occurrence
Diesel 2G002 fails to start	2.5E-02
Diesel 2G003 fails to start, given 2G002 fails	1.2E-01
Nonrecovery of offsite power in 7.5 hours	2.0E-02
Loss of offsite power	4.5E-02
No repair of 2G002 in 7.5 hours	1.0
No repair of 2G003 in 7.5 hours	1.0
Low inverter temperature	8.3E-01

The above combination of basic events are one of many possible cut sets leading to conditions resulting in core melt with an associated core melt frequency of .025 x .12 x .02 x .045 x 1.0 x 1.0 x .83 = 2.24E-06 per reactor-year. The sum of individual cut set probabilities yields the overall core melt frequency. Tables 4.1 and 4.3 list dominant basic events in ranked order based on Fussell-Vesey importance (a measure of the frequency of appearance in and relative contributions of basic events to cut sets). Table 4.2 and 4.4 list dominant cut sets in ranked order based on probability of occurrence.

In addition to the overall core melt frequency, relative or fractional contributions of cut sets are important in assessing the affects on the frequency of core melt. The overall core melt frequency represents the total probability of a core melt condition and is calculated from a spectrum of cut set probabilities which can range from a few cut sets with large fractional contributions to many cut sets with small fractional contributions. Given the two extremes and a common overall core melt frequency, the few cut sets with large fractional contributions would present a greater threat of core melt occurring. Since cut set probability of occurrence is the product of the overall mean system unavailability and the cut set fractional contribution, large fractional cut set contributions to

the overall core melt frequency indicate the cut set is more likely to occur. Hence, two different mean system unavailabilities do not explicitly define which system contains cut sets with the greater probability of occurrence, only which system has failure combinations that, on the average, are more likely to occur. Consequently,"top" cut set contributions are inherently important in the analyses of core melt frequency.

4.2 Current Configuration

Calculation of the overall core melt frequency for the current configuration yielded a mean system unavailability of 1.5E-05 per reactor-year, with an actual operating experienced maintenance unavailability of approximately 9 days per year. The top cut set contributed fifteen percent, and the top three cut sets forty percent, to the overall core melt frequency indicating a high potential for top cut sets occurring relative to the overall core melt frequency. Diesel generator unavailability proved critical in leading to core melt conditions. This unavailability is based upon a two diesel configuration. The top cut sets indicate a high dependency upon the diesel generators to start and to run over the duration of the LOOP. Common cause failures exist between the diesel generators and are reflected in the cut sets as a failure of one diesel generator given a failure of the other. The common cause affects contribute approximately fifty percent to the core melt frequency. Conversely stated, based on the data presented, diesel generator availability is critical in averting a core melt condition in the event of a LOOP initiating event. Table 4.1 list the dominate basic events and Table 4.2 the dominate cut sets from the analysis of the current configuration.

4.3 Proposed Configuration

Calculation of the overall core melt frequency for the plant system with the diesel cross-connect modification yielded a mean

system unavailability of 5.4E-06 per reactor year, despite an increase in the annual maintenance unavailability to 60 days per diesel. In addition to the decrease in mean system unavailability from 1.5E-05 to 5.4E-06, the top cut sets contributed only five percent and the top three cut sets just over nine percent to the overall core melt frequency, indicating an additionally reliability benefit due to the decreased potential for top cut occurrence relative to the decreased overall core melt frequency compared to the current configuration. This decrease is a result of the cross-connect of Unit 3 diesel generators which increase the number of diesel generators available to respond on demand from two, under current configuration, to four with the cross-connect modification. Having four diesel generators available is more reliable than only two diesels. This is seen from the results which show that to be totally without AC power requires four diesels to fail rather than two. The significance of any single diesel failing is reduced, or in other words, there is more reserve power available that would have to be eliminated for the plant to be without AC power. The availability of the Unit 3 diesel generators results in a 58% decrease in the individual failure combination probabilities. Table 4.3 lists the dominate basic events and Table 4.4 the dominant cut sets from the analysis of the cross-connect modified system.

4.4 Summary

The results of the analyses comparing the reliability of the plant as currently configured with the diesel generator cross-connect modification evidences the reliability benefits of the diesel cross-connect modification. An overall mean system unavailability decrease from 1.5E-05 to 5.4E-06, or 64%, is expected with implementation of the diesel generator cross-connect. Additionally, a further decrease in the probability of a core melt event is recognized by the reduction in the contribution of the top cut sets from approximately 40% to 10%, indicating a decrease in the likelihood of a particular failure combination

occurring. The magnitude of the reliability enhancement is further realized by the decrease in mean system unavailability even if the annual diesel generator maintenance outage is increased from 9 days to 60 days per diesel. Even by increasing the unavailability of the diesel generators due to maintenance by over 600% (see Section 4.5), the overall system is still more reliable with the cross-connect modification.

The essence of the cross-connect modification is the addition of two additional diesel generators to the plant by cross-connecting the adjacent units' diesel, effectively increasing the number of diesel generators available to respond to on demand requirements from two diesels to four diesels. The extent of the enhancement in diesel generator reliability is further recognized by the increased contribution of systems not diesel-dependent (e.g., the steam-driven AFW System) to the core melt frequency. Figure 4-1 graphically compares the results of the two systems analyzed.

4.5 Sensitivity Study

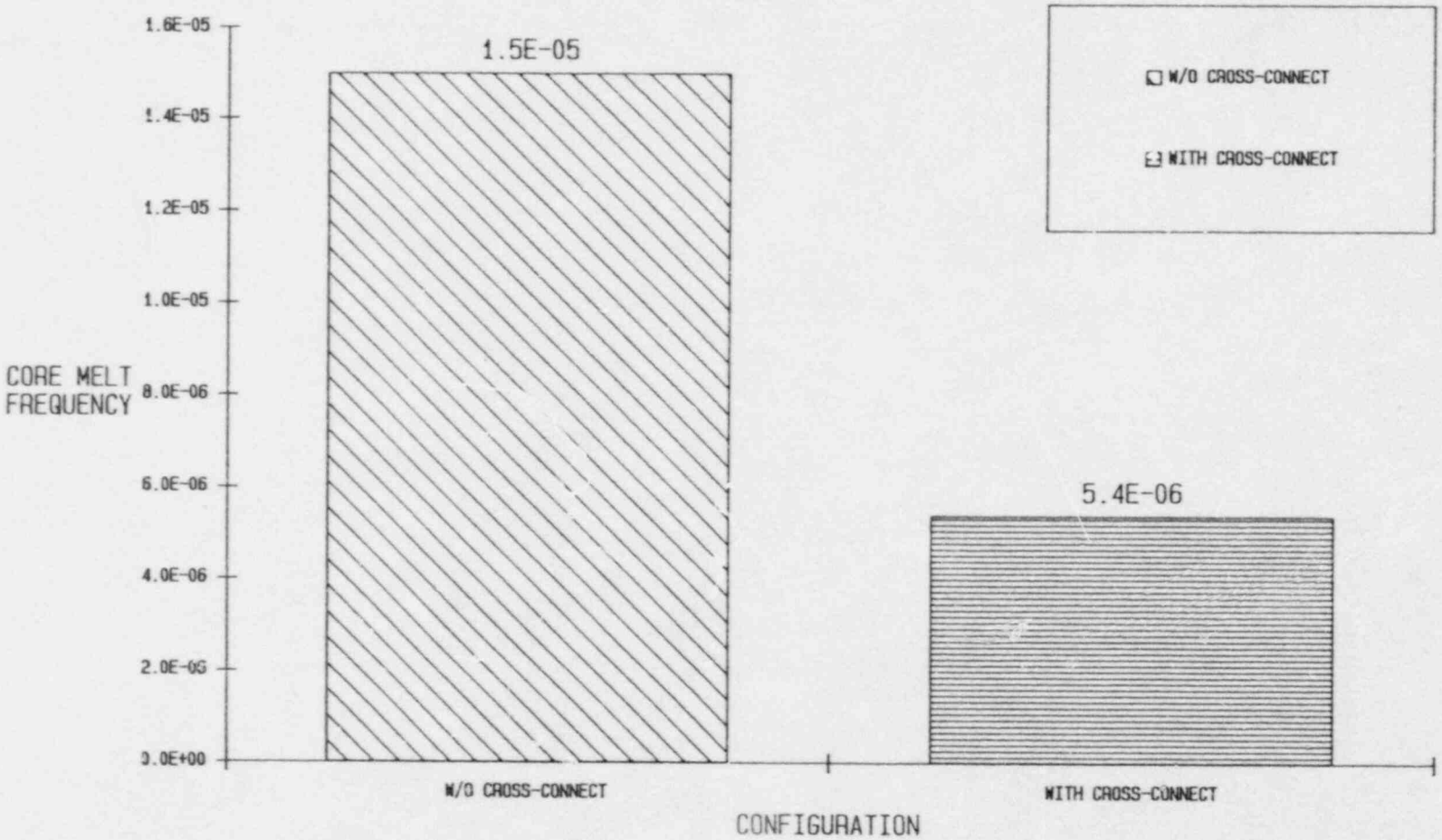
This section of the report provides a brief discussion of the sensitivity study conducted as part of the diesel cross-connect analysis. The allowed outage times (AOT) due to maintenance was varied from four to twelve weeks with the following results:

Annual Maintenance Outage	Mean System Unavailability
4 weeks	4.2E-06
6 weeks	4.8E-06
8 weeks	5.4E-06
10 weeks	6.2E-06
12 weeks	6.8E-06

The base case for this study (with the cross-connect modification) discussed previously, reflected an eight week (or 60 day) accumulated outage time per diesel generator.

Figure 4-2 graphically illustrates the core melt frequency for the above AOT periods and the current configuration (i.e., no cross-connect). The diesel generator cross-connect with a 4-week AOT represented a 72% decrease in the core melt frequency compared to the initial configuration. Similarly, the diesel cross-connect with a 12-week AOT yielded a 55% decrease in core melt frequency. Essentially, each diesel could be placed in service for maintenance for 12-weeks or approximately a quarter of a year (or a total of one year) and the risk of core melt due to a LOOP event is still 55% less than the initial configuration. Thus, the diesel cross-connect modification poses reliability benefits over the current configuration even with extended diesel maintenance outages up to 12 weeks per diesel per year.

FIGURE 4-1
COMPARISON OF CORE MELT FREQUENCY
FOR THE LOSS OF OFFSITE POWER EVENT



MEAN SYSTEM UNAVAILABILITY
COMPARISON FOR VARIOUS ANNUAL
DIESEL GENERATOR ALLOWED OUTAGE PERIODS

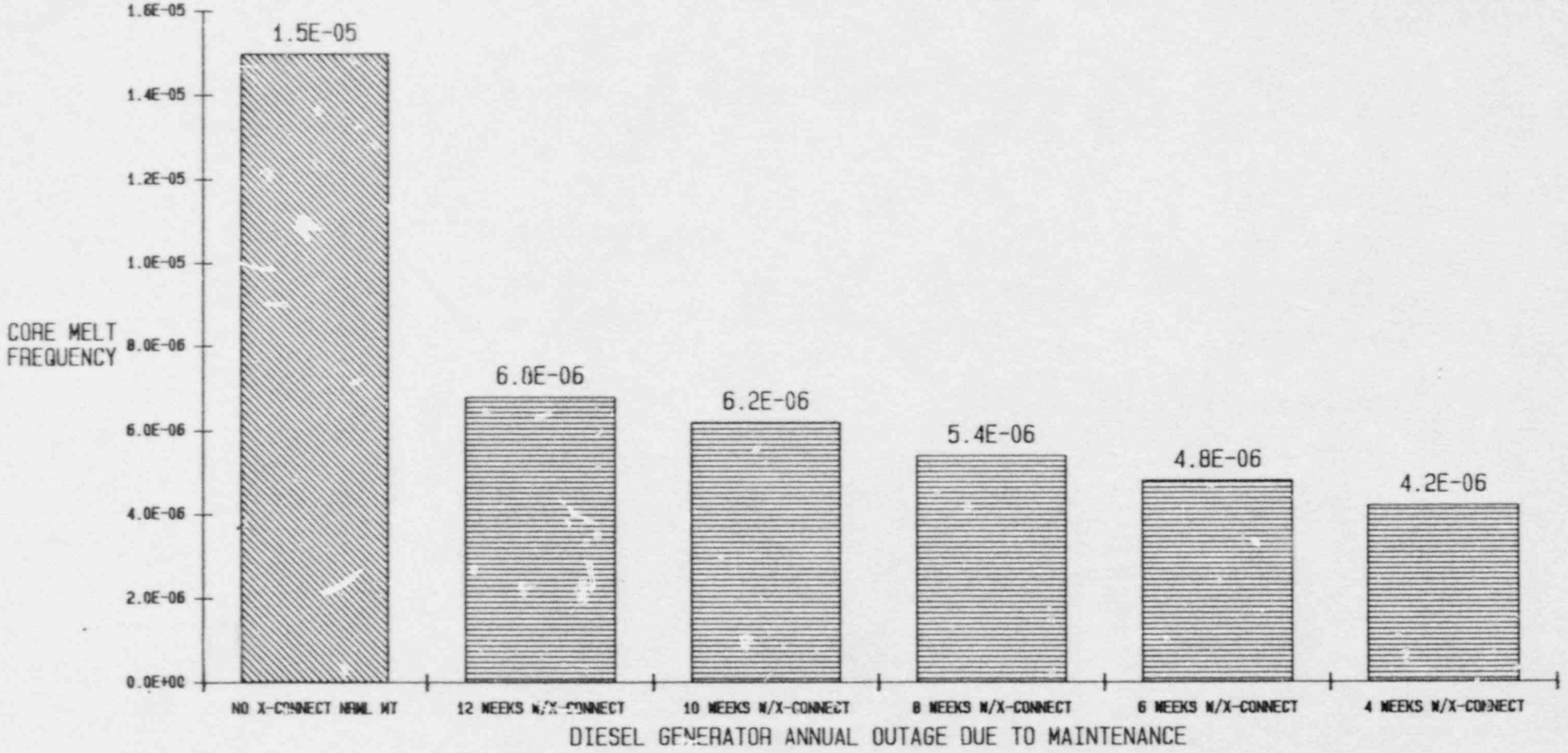


Figure 4-2

Table 4-1

LOOP/SBO SIGNIFICANTLY BASIC EVENTS
FOR CURRENT SYSTEM (W/O MODIFICATION)

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
1	LOOP	2-ZC-LOSS OF OFFSITE POWER	1.000
2	UGE2G02S	2-ONAC-DG 2G002 FAILS TO START	0.588
3	DG2/1S	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	0.453
4	NROSP7.5	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	0.379
4	JIVTLOW	2-LOW AMBIENT TEMPERATURE	0.379
5	NROSP90M	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	0.248
5	LOPMDISC	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	0.248
6	NROSP4.0	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	0.216
6	JIVTHIGH	2-HIGH AMBIENT TEMPERATURE	0.216
7	NR2D27.5	2-NO REPAIR OF DG 2G002 IN 7.5 HOURS	0.202
7	NR2D37.5	2-NO REPAIR OF DG 2G003 IN 7.5 HOURS	0.202
8	NR2D390M	2-NO REPAIR OF DG 2G003 IN 90 MINUTES	0.180
8	NR2D290M	2-NO REPAIR OF DG 2G002 IN 90 MINUTES	0.180
9	NR2D34.0	2-NO REPAIR OF DG 2G003 IN 4.0 HOURS	0.137
9	NR2D24.0	2-NO REPAIR OF DG 2G002 IN 4.0 HOURS	0.137
10	UGE2G03S	2-ONAC-DG 2G003 FAILS TO START	0.135
11	UGE2G03M	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	0.133
11	UGE2G02M	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	0.133
12	U2G027.5	2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS	0.127
13	NROSP51M	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	0.123
14	2/17.5	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	0.085
15	LPT0140Y	LA-NONRECOVERY OF AFW PMP P140	0.069
16	NR2D351M	2-NO REPAIR OF DG 2G003 IN 51 MINUTES	0.063
16	NR2D251M	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	0.063

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
17	LPT0140S	L-AFW PUMP P140 FAILS TO START	0.049
18	U2G024.0	2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS	0.049
19	U2G037.5	2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS	0.042
20	2/14.0	2-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL	0.033
21	U2G0290M	2-DG 2G002 FAILS TO RUN FOR 90 MINUTES	0.031
22	LPT0140M	2-AFWS-PUMP P140 OOC DUE TO MAINT	0.028
23	LPM0141S	2-AFWS-PUMP 141 FAILS TO START	0.027
24	LMV4716P	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	0.025
25	2/190M	2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL	0.021
26	504/141S	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS	0.019
27	U2G034.0	2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS	0.016
28	UGE2G02R	2-ONAC-DG 2G002 FAILS TO RUN FOR 24 HRS	0.013
28	UGE2G03R	2-ONAC-DG 2G003 FAILS TO RUN FOR 24 HRS	0.013
29	140/MDSS	2-AFWS-P140 FAILS TO STRT GIVN 141&504 FAIL	0.011

Table 4-2

LOOP/SBO DOMINANT MINIMAL CUTSETS
FOR CURRENT SYSTEM (W/O MODIFICATION)

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.241E-06	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.1502	0.1502
	JIVTLOW	- 2-LOW AMBIENT TEMPERATURE	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	NR2D27.5	- 2-NO REPAIR OF DG 2G002 IN 7.5 HOURS	1.000E+00		
	NR2D37.5	- 2-NO REPAIR OF DG 2G003 IN 7.5 HOURS	1.000E+00		
	UGE2G02S	- 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
2.139E-06	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.1433	0.2935
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	NR2D290M	- 2-NO REPAIR OF DG 2G002 IN 90 MINUTES	8.900E-01		
	NR2D390M	- 2-NO REPAIR OF DG 2G003 IN 90 MINUTES	8.900E-01		
	UGE2G02S	- 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.606E-06	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.1077	0.4012
	JIVTHIGH	- 2-HIGH AMBIENT TEMPERATURE	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	NR2D24.0	- 2-NO REPAIR OF DG 2G002 IN 4.0 HOURS	1.000E+00		
	NR2D34.0	- 2-NO REPAIR OF DG 2G003 IN 4.0 HOURS	1.000E+00		
	UGE2G02S	- 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
1.270E-06	JIVTLOW	- 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0851	0.4863
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	U2G027.5	- 2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS	1.700E-02		
	2/17.5	- 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
4.927E-07	JIVTHIGH	- 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0330	0.5193
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	U2G024.0	- 2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS	9.200E-03		
	2/14.0	- 2-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL	1.000E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.806E-07	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0322	0.5515
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	NR2D390M - 2-NO REPAIR OF DG 2G003 IN 90 MINUTES	8.900E-01		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
4.806E-07	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0322	0.5837
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	NR2D290M - 2-NO REPAIR OF DG 2G002 IN 90 MINUTES	8.900E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
4.482E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0300	0.6138
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	NR2D37.5 - 2-NO REPAIR OF DG 2G003 IN 7.5 HOURS	1.000E+00		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.482E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0300	0.6438
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	NR2D27.5 - 2-NO REPAIR OF DG 2G002 IN 7.5 HOURS	1.000E+00		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
3.213E-07	JIVTHIGH - 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0215	0.6654
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	NR2D34.0 - 2-NO REPAIR OF DG 2G003 IN 4.0 HOURS	1.000E+00		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
3.213E-07	JIVTHIGH - 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0215	0.6869
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	NR2D24.0 - 2-NO REPAIR OF DG 2G002 IN 4.0 HOURS	1.000E+00		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
3.175E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0213	0.7082
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	NR2D37.5 - 2-NO REPAIR OF DG 2G003 IN 7.5 HOURS	1.000E+00		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
	U2G027.5 - 2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS	1.700E-02		
3.175E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0213	0.7294
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	NR2D27.5 - 2-NO REPAIR OF DG 2G002 IN 7.5 HOURS	1.000E+00		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	U2G037.5 - 2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS	1.700E-02		
3.150E-07	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0211	0.7506
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	U2G0290M - 2-DG 2G002 FAILS TO RUN FOR 90 MINUTES	3.500E-03		
	2/190M - 2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL	1.000E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
3.048E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0204	0.7710
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G027.5 - 2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS	1.700E-02		
3.048E-07	JIVTLOW - 2-LOW AMBIENT TEMPERATURE	8.300E-01	0.0204	0.7914
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS	2.000E-02		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G037.5 - 2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS	1.700E-02		
2.834E-07	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0190	0.8104
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.620E-07	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0109	0.8213
	LPM0141S	- 2-AFWS-PUMP 141 FAILS TO START	3.000E-03		
	LPT0140Y	- LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	140/MDSS	- 2-AFWS-P140 FAILS TO STRT GIVN 141&504 FAIL	5.000E-02		
	504/141S	- 2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		
1.456E-07	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0098	0.8310
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LPT0140M	- 2-AFWS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	NROSP51M	- 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M	- 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M	- 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02S	- 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
1.232E-07	[illegible]VTHIGH	- 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0083	0.8393
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NR0SP4.0	- 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	NR2D24.0	- 2-NO REPAIR OF DG 2G002 IN 4.0 HOURS	1.000E+00		
	UGE2G02S	- 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	U2G034.0	- 2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS	9.200E-03		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.232E-07	JIVTHIGH - 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0083	0.8475
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	NR2D34.0 - 2-NO REPAIR OF DG 2G003 IN 4.0 HOURS	1.000E+00		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
	U2G024.0 - 2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS	9.200E-03		
1.182E-07	JIVTHIGH - 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0079	0.8555
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G034.0 - 2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS	9.200E-03		
1.182E-07	JIVTHIGH - 2-HIGH AMBIENT TEMPERATURE	1.700E-01	0.0079	0.8634
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS	7.000E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G024.0 - 2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS	9.200E-03		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.181E-07	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0079	0.8713
	LMV4716P - 2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	3.000E-03		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
7.560E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0051	0.8764
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G0390M - 2-DG 2G003 FAILS TO RUN FOR 90 MINUTES	3.500E-03		
7.560E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0051	0.8814
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
	U2G0290M - 2-DG 2G002 FAILS TO RUN FOR 90 MINUTES	3.500E-03		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
7.009E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0047	0.8861
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	NR2D290M - 2-NO REPAIR OF DG 2G002 IN 90 MINUTES	8.900E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	U2G0390M - 2-DG 2G003 FAILS TO RUN FOR 90 MINUTES	3.500E-03		
7.009E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0047	0.8908
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN	2.000E-01		
	NR2D390M - 2-NO REPAIR OF DG 2G003 IN 90 MINUTES	8.900E-01		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
	U2G0290M - 2-DG 2G002 FAILS TO RUN FOR 90 MINUTES	3.500E-03		
6.030E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0040	0.8949
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
6.030E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0040	0.8989
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
4.995E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0033	0.9023
	LPM0141S - 2-AFWS-PUMP 141 FAILS TO START	3.000E-03		
	LPT0140M - 2-AFWS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	504/141S - 2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		
4.672E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0031	0.9054
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	U2G0251M - 2-DG 2G002 FAILS TO RUN FOR 51 MINUTES	1.900E-03		
	2/151M - 2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.330E-08	CRV00030 - 2-MS-3 OR MORE SEC R-VALVES STUCK OPEN	1.100E-03	0.0029	0.9083
	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
4.050E-08	LMV4716P - 2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	3.000E-03	0.0027	0.9110
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LPM0141S - 2-AFWS-PUMP 141 FAILS TO START	3.000E-03		
	504/141S - 2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		
3.936E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0026	0.9136
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 I	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	SEALFAIL - 2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL	1.000E-03		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
3.936E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0026	0.9163
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPORFIL - 2-AFWS-OPERATORS OVERFILL STM GENERATORS	1.000E-03		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
3.645E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0024	0.9187
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP3.0 - 2-UD-NONRECOVERY OF OFFSITE POWER, T=3.0 HRS	9.000E-02		
	NR2D23.0 - 2-NO REPAIR OF DG 2G002 IN 3.0 HOURS	1.000E+00		
	NR2D33.0 - 2-NO REPAIR OF DG 2G003 IN 3.0 HOURS	1.000E+00		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UOPLSHED - 2-OPERATOR FAILS TO LOAD SHED AT T=1 HOUR	3.000E-03		
3.099E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0021	0.9208
	LPT0140M - 2-AFWS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
3.099E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0021	0.9229
	LPT0140M - 2-AFWS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR20351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
2.940E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0020	0.9248
	LPM0141S - 2-AFWS-PUMP 141 FAILS TO START	3.000E-03		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	UGE2G03R - 2-ONAC-DG 2G003 FAILS TO RUN FOR 24 HRS	5.500E-02		
	140/141S - 2-AFWS-P140 FAILS TO STRT GIVN 141 FAILS	5.000E-02		
2.940E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0020	0.9268
	LPM0504S - 2-AFWS-PUMP 504 FAILS TO START	3.000E-03		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	UGE2G02R - 2-ONAC-DG 2G002 FAILS TO RUN FOR 24 HRS	5.500E-02		
	140/504S - 2-AFWS-P140 FAILS TO STRT GIVN 504 [illegible]	5.000E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.513E-08	LMV4716P - 2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	3.000E-03	0.0017	0.9285
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D351M - 2-NO REPAIR OF DG 2G003 IN 51 MINUTES	9.400E-01		
	UGE2G02M - 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE	2.400E-02		
	UGE2G03S - 2-ONAC-DG 2G003 FAILS TO START	2.500E-02		
2.513E-08	LMV4716P - 2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	3.000E-03	0.0017	0.9302
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	NR2D251M - 2-CNAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN	9.400E-01		
	UGE2G02S - 2-ONAC-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE	2.400E-02		
?.401E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0016	0.9318
	LPT0140M - 2-AFWS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	NROSP51M - 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN	3.300E-01		
	U2G0251M - 2-DG 2G002 FAILS TO RUN FOR 51 MINUTES	1.900E-03		
	2/151M - 2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.333E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0016	0.9334
	LPM0141R - 2-AFWS-P141 FAILS TO RUN FOR 24 HRS	7.200E-04		
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	504/141R - 2-AFWS-P504 FAILS TO RUN GIVN 141 FAILS	1.000E-01		

Table 4-3

LOOP/SBO SIGNIFICANT BASIC EVENT FOR
SYSTEM WITH DIESEL GENERATOR CROSS-CONNECT

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
1	LOOP	2-ZC-LOSS OF OFFSITE POWER	1.000
2	UGE2G02S	2-U-DG 2G002 FAILS TO START	0.547
3	NROSP7.5	2-UF-NO OFFSITE PWR AT 7.5 HRS	0.419
3	JIVTLOW	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	0.419
4	DG2/1S	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	0.381
5	DG3/12S	3-EP-DG 3G02 FAILS TO START GIVEN DG'S 2G02,2G03	0.231
6	LOPMDISC	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	0.221
6	NROSP90M	2-UB-NO OFFSITE PWR AT 90 MIN	0.221
7	NR2D37.5	2-UF-NO REPAIR DG 2G003:7.5 HRS	0.216
7	NR2D27.5	2-UF-NO REPAIR DG 2G002:7.5 HRS	0.216
8	JIVTHIGH	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	0.212
8	NROSP4.0	2-UE-NO OFFSITE PWR AT 4.0 HRS	0.212
9	NR3D37.5	2-UF-NO REPAIR 3G003 BY 7.5 HRS	0.186
9	NR3D27.5	2-UF-NO REPAIR 3G002 BY 7.5 HRS	0.186
10	UGE2G03S	2-UF-DG 2G003 FAILS TO START	0.165
11	NR2D290M	2-UB-NO REPAIR DG 2G002:90 MIN	0.161
11	NR2D390M	2-UB-NO REPAIR DG 2G003:90 MIN	0.161
12	NR2D34.0	2-UE-NO REPAIR DG 2G003:4.0 HRS	0.142
12	NR2D24.0	2-UE-NO REPAIR DG 2G002:4.0 HRS	0.142
13	NR3D290M	2-UB-NO REPAIR 3G002 BY 90 MIN	0.136
13	NR3D390M	2-UB-NO REPAIR 3G003 BY 90 MIN	0.136
14	DG4/123S	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02	0.128
15	NR3D34.0	2-UE-NO REPAIR G3003 BY 4.0 HRS	0.121
15	NR3D24.0	2-UE-NO REPAIR 3G002 BY 4.0 HRS	0.121

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
16	UGE2G02M	2-UB-DG 2G002 DOWN-SCHED MAINT	0.118
16	UGE2G03M	2-UD-DG 2G003 DOWN SCHED MAINT	0.118
17	UGE3G02M	2-UB-DG 3G002 DOWN-SCHED MAINT	0.116
17	UGE3G03M	2-U-DG 3G003 DOWN-SCHED MAINT	0.116
18	U2G03TSM	2-U-DG2G03 DOWN DUE TO UNSCH MAINT	0.116
18	U2G02TSM	2-U-DG2G02 DOWN DUE TO UNSCH MAINT	0.116
19	UGE3G3SD	2-UF-3G003 SHUTDOWN MAINT	0.109
19	UGE3G2SD	2-UB-DG 3G002 SHUTDWN MAINT	0.109
20	DG4/12S	3-EP-DG 3G03 FAILS TO START GIVEN 3G02,2G03	0.102
21	U3G02TSM	2-U-DG3G02 DOWN DUE TO UNSCH MAINT	0.101
21	U3G03TSM	2-U-DG3G03 DOWN DUE TO UNSCH MAINT	0.101
22	U2G027.5	2-UF-2G002 FAILS TO RUN:7.5 HRS	0.098
23	DG3/2S	3-EP-DG 3G02 FAILS TO START GIVEN 2G03	0.095
24	DG3/1S	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	0.095
25	LPT0140Y	LA-NONRECOVERY OF AFW PMP P140	0.087
26	NROSP51M	2-U-NO OFFSITE PWR BY T=51 MIN	0.079
27	LSM0141S	2-AFWS-PUMP 141 FAILS TO START	0.064
28	DG4/23S	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	0.059
28	DG4/13S	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	0.059
29	504/141S	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS	0.052
30	Z/17.5	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	0.051
31	U2G037.5	2-UF-2G003 FAILS TO RUN:7.5 HRS	0.047
32	UGE3G02S	2-UA-DG 3G002 FAILS TO START	0.043
33	LPT0140S	L-AFW PUMP P140 FAILS TO START	0.042

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
34	DG4/1S	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	0.036
35	DG4/2S	3-EP-DG 3G03 FAILS TO START GIVEN 2G03	0.035
36	NR2D251M	2-U-DG 2G002 NO REPAIR BY T=51	0.030
36	NR2D351M	2-U-NO REPAIR 2G003 T=51 MIN	0.030
37	140/MDSS	2-AFMS-P140 FAILS TO STRT GIVN 141&504 FAIL	0.030
38	LPT0140M	2-AFMS-PUMP P140 OOC DUE TO MAINT	0.027
39	DG4/3S	3-EP-DG 3G03 FAILS TO START GIVEN 3G02	0.023
40	UGE3G03S	2-UE-DG 3G003 FAILS TO START	0.021
41	3/27.5	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL	0.021
42	LMV4716P	2-AFMS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	0.021
43	3/17.5	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	0.021
44	3/127.5	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	0.019
44	4/127.5	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	0.019
45	U3G027.5	2-UF-DG 3G002 NOT RUN 7.5 HRS	0.019
46	NR3D351M	2-UA-NO REPAIR 3G003 BY 51 MIN	0.018
46	NR3D251M	2-UA-NO REPAIR 3G002 BY 51 MIN	0.018
47	U2G024.0	2-UE-2G002 FAILS TO RUN:4.0 HRS	0.016
48	U3G037.5	2-UF-DG 3G003 NOT RUN 7.5 HRS	0.012
49	UGE2G02R	2-U-2G002 FAILS TO RUN 24 HRS	0.012
49	UGE2G03R	2-U-DG 2G003 NOT RUN 24 HRS	0.012
50	[illegible]4S	2-AFMS-PUMP 504 FAILS TO START	0.012
51	U2G034.0	2-UE-2G003 FAILS TO RUN:4.0 HRS	0.012
51	4/137.5	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02	0.011
52	4/237.5	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02	0.011

BASIC EVENTS EXHIBITING SIGNIFICANT IMPORTANCE

RANK	BASIC EVENT NAME	BASIC EVENT DESCRIPTION	FUSSELL-VESELY IMPORTANCE
53	UCB0404N	2-AFMS-BREAKER 2A0404 FAILS TO CLOSE DUE TO RC	0.011
53	UCB0603N	2-AFMS-BREAKER 2A0603 FAILS TO CLOSE DUE TO RC	0.011

Table 4-4

LOOP/SBO DOMINANT MINIMAL CUTSETS
FOR SYSTEM WITH DIESEL GENERATOR CROSS-CONNECT

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.801E-07	DGZ/1S - Z-EP-DG 2G03 FAILS TO START GIVEN DG 2G0Z FAILS	1.200E-01	0.0519	0.0519
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	DG4/123S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02	5.000E-01		
	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.118E-07	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0393	0.0912
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	5.500E-01		
	DG4/123S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02	5.000E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NR0SP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.008E-07	DG2/A3	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0372	0.1234
	DG3/12S	- 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	DG4/123S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02	5.000E-01		
	JIVTHIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0	- 2-UE-NO REPAIR DG 2G 3:4.0 HRS	1.000E+00		
	NR3D24.0	- 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0	- 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
1.620E-07	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0300	0.1595
	LPM0141S	- 2-AFMS-PUMP 141 FAILS TO START	3.000E-03		
	LPT0140Y	- LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	140/MDSS	- 2-AFMS-P140 FAILS TO STRT GIVN 141&504 FAIL	5.000E-02		
	504/141S	- 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
8.964E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0166	0.1751
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTLOM - 2-JI-LOH AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D7.5 - 2-UF NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2637.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
8.964E-08	DG3/2S - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0166	0.1917
	DG4/23S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.500E-01		
	JIVTLOM - 2-JI-LOH AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
8.964E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0166	0.2083
	DG4/12S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTLOH - 2-JI-LOH AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
8.964E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0166	0.2249
	DG4/13S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	JIVTLOH - 2-JI-LOH AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
8.404E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0156	0.2405
	DG3/12S	- 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTLOW	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD	- 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
8.404E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0156	0.2561
	DG4/12S	- 2-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTLOW	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
7.614E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0141	0.2702
	DG4/12S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
7.614E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0141	0.2843
	DG4/13S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UB-DG 2G003 DOWN SCHED MAINT	1.600E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
7.614E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0141	0.2985
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
7.614E-08	DG3/2S - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0141	0.3126
	DG4/23S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
7.138E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0132	0.3258
	DG4/12S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPHDISC - 2-AFH-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD - 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
7.138E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0132	0.3390
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPHDISC - 2-AFH-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD - 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
6.426E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0119	0.3509
	DG4/13S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
6.426E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0119	0.3629
	DG4/12S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
6.426E-08	DG3/ZS - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0119	0.3748
	DG4/23S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.500E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
6.426E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0119	0.3867
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
6.024E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0112	0.3979
	DG4/12S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTHIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0	- 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D34.0	- 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UP-DG 3G002 SHUTDWN MAINT	1.500E-01		
6.024E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0112	0.4090
	DG3/12S	- 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTHIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0	- 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0	- 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD	- 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.995E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0093	0.4183
	LPM0141S - 2-AFMS-PUMP 141 FAILS TO START	3.000E-03		
	LPT0140M - 2-AFMS-PUMP P140 OOC DUE TO MAINT	3.700E-03		
	504/141S - 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		
4.673E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0087	0.4270
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	2/17.5 - 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	3/127.5 - 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		
4.673E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0087	0.4356
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	3/17.5 - 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	4/137.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.673E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0087	0.4443
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	U2G037.5 - 2-UF-2G003 FAILS TO RUN:7.5 HRS	1.700E-02		
	3/27.5 - 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL	1.000E-01		
	4/237.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02	2.300E-01		
4.673E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0087	0.4529
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	2/17.5 - 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	4/127.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
4.381E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0081	0.4611
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE3G2SD - 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	2/17.5 - 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	4/127.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		
4.381E-08	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0081	0.4692
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	UGE3G3SD - 2-UF-3G003 SHUTDWN MAINT	1.500E-01		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	2/17.5 - 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	3/127.5 - 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		
4.050E-08	LMV4716P - 2-AFMS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU	3.000E-03	0.0075	0.4767
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LPM0141S - 2-AFMS-PUMP 141 FAILS TO START	3.000E-03		
	504/141S - 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.521E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0047	0.4814
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
2.521E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0047	0.4861
	DG4/13S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.521E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0047	0.4907
	DG4/1ZS	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
2.521E-08	DG3/2S	- 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0047	0.4954
	DG4/23S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.500E-01		
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.333E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0043	0.4997
	LPM0141R - 2-AFMS-P141 FAILS TO RUN FOR 24 HRS	7.200E-04		
	LPT0140S - L-AFW PUMP P140 FAILS TO START	3.000E-02		
	LPT0140Y - LA-NONRECOVERY OF AFW PMP P140	2.400E-01		
	504/141R - 2-AFMS-P504 FAILS TO RUN GIVN 141 FAILS	1.000E-01		
2.141E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0040	0.5037
	DG3/12S - 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NRZD290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NRZD390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2R02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.141E-08	DG3/1S	- 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0040	0.5077
	DG4/13S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D290M	- 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U2G03TSM	- 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
2.14'.E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0040	0.5116
	DG4/12S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
2.141E-08	DG3/2S - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0040	0.5156
	DG4/23S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.500E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.807E-08	DG3/2S - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.20GE-01	0.0034	0.5190
	DG4/23S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02	2.5G0E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.807E-08	DG3/1S	- 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0034	0.5223
	DG4/13S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02	2.500E-01		
	JIVTHIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D24.0	- 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0	- 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U2G03TSM	- 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.807E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0034	0.5257
	DG3/12S	- 3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03	2.500E-01		
	JIVTXIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0	- 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0	- 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.807E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0034	0.5290
	DG4/12S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03	2.500E-01		
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG4/3S - 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0030	0.5320
	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE3G02S - 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.614E-08	DG3/2S	- 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0030	0.5350
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02M	- 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG4/3S	- 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0030	0.5380
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G03M	- 2-UB-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	UGE3G02S	- 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.614E-08	DG4/ZS - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0030	0.5410
	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG3/ZS - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0030	0.5440
	JIVTLOM - 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.614E-08	DG4/1S	- 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0030	0.5470
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M	- 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG3/1S	- 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0030	0.5499
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M	- 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.414E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0030	0.5529
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M	- 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG4/2S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0030	0.5559
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G02M	- 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.614E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0030	0.5589
	JIVTLOM	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M	- 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.614E-08	DG3/1S	- 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0030	0.5619
	JIVTLOM	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M	- 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM	- 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.614E-08	DG4/1S - 3-EP-DG 3G01 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0030	0.5649
	JIVTLOM - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG4/3S - 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0029	0.5678
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	UGE3G02S - 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DG4/3S - 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0029	0.5706
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPNDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE3G02S - 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG4/2S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0029	0.5735
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPNDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DG3/2S - 3-EP-[illegible] 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0029	0.5763
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D39[illegible]M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0029	0.5792
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0029	0.5820
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M - 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0029	0.5849
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-UB-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DG4/1S	- 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0029	0.5877
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M	- 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG4/2S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.700E-01	0.0029	0.5906
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G03S	- 2-UB-DG 2G003 FAILS TO START	2.500E-02		
	UGE3	UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DG3/2S	- 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0029	0.5935
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M	- 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G03M	- 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.540E-08	DG4/1S	- 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0029	0.5963
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M	- 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM	- 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.540E-08	DGS/1S - 3-FP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0029	0.5992
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.513E-08	DG4/1S - 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0028	0.6020
	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D37.5 - 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD - 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.513E-08	DG3/2S	- 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0028	0.6048
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D27.5	- 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G3SD	- 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.513E-08	DG4/2S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0028	0.6076
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	NR3D37.5	- 2-UF-NO REPAIR 3G003 BY 7.5 HRS	1.000E+00		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.513E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0028	0.6104
	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR3D27.5 - 2-UF-NO REPAIR 3G002 BY 7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD - 2-UF 3G003 SHUTDOWN MAINT	1.500E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.513E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0028	0.6132
	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD - 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.513E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0028	0.6160
	JI.TLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5 - 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5 - 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD - 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.485E-08	CRV0003O - 2-MS-3 OR MORE SEC R VALVES STUCK OPEN	1.100E-03	0.0028	0.6187
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LPM0141S - 2-AFMS-PUMP 141 FAILS TO START	3.000E-03		
	504/141S - 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.444E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0027	0.6214
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.444E-08	DG3/2S	- 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0027	0.6241
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D290M	- 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G3SD	- 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.444E-08	DG4/1S - 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0027	0.6268
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D390M - 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD - 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.444E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0027	0.6295
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC - 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M - 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M - 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR3D290M - 2-UB-NO REPAIR 3G002 BY 90 MIN	8.900E-01		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3S0 - 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.444E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0027	0.6321
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D290M	- 2-UB-NO REPAIR DG 2G002:90 MIN	8.900E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD	- 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U3G02TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.444E-08	DG4/2S	- 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0027	0.6348
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	LOPMDISC	- 2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES	1.000E-01		
	NROSP90M	- 2-UB-NO OFFSITE PWR AT 90 MIN	2.000E-01		
	NR2D390M	- 2-UB-NO REPAIR DG 2G003:90 MIN	8.900E-01		
	NR3D390M	- 2-UB-NO REPAIR 3G003 BY 90 MIN	8.900E-01		
	UGE2G03S	- 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.350E-08	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02	0.0025	0.6373
	LOPORFIL - 2-AFMS-OPERATORS OVERFILL STM GENERATORS	1.000E-03		
	LPM0141S - 2-AFMS-PUMP 141 FAILS TO START	3.000E-03		
	504/141S - 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS	1.000E-01		
1.314E-08	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0024	0.6397
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
	2/17.5 - 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	4/127.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		
1.314E-08	JIVTLOW - 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0024	0.6422
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5 - 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	U2G027.5 - 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
	3/17.5 - 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	4/137.5 - 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.314E-08	JIVTLOW	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0024	0.6446
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	U2G027.5	- 2-UF-2G002 FAILS TO RUN:7.5 HRS	1.700E-02		
	U3G03TSM	- 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
	2/17.5	- 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL	1.000E-01		
	3/127.5	- 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03	2.300E-01		
1.314E-08	JIVTLOW	- 2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01	0.0024	0.6471
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	U2G02TSM	- 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
	U2G037.5	- 2-UF-2G003 FAILS TO RUN:7.5 HRS	1.700E-02		
	3/27.5	- 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL	1.000E-01		
	4/237.5	- 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02	2.300E-01		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0021	0.6492
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NR0SP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0021	0.6513
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NR0SP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	DG3/ZS - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0021	0.6535
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NR0SP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G03S - 2-UE-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G03M - 2-U-DG 3G003 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG3/1S - 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0021	0.6556
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NR0SP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	JG3/2S - 3-EP-DG 3G02 FAILS TO START GIVEN 2G03	1.200E-01	0.0021	0.6578
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-JC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG4/1S - 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0021	0.6599
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-JC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	DG4/2S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0021	0.6621
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2U34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG4/1S - 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02	1.200E-01	0.0021	0.6642
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	DG4/3S - 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0021	0.6664
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G03M - 2-UD-DG 2G003 DOWN SCHED MAINT	1.600E-01		
	UGE3G02S - 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG4/3S - 3-EP-DG 3G03 FAILS TO START GIVEN 3G02	1.200E-01	0.0021	0.6685
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR3D24.0 - 2-UE-NO REPAIR 3G002 BY 4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G02M - 2-UB-DG 2G002 DOWN-SCHED MAINT	1.600E-01		
	UGE3G02S - 2-UA-DG 3G002 FAILS TO START	2.500E-02		
	U2G03TSM - 2-U-DG2G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.157E-08	DG4/2S - 3-EP-DG 3G03 FAILS TO START GIVEN 2G03	1.200E-01	0.0021	0.6706
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	NR3D34.0 - 2-UE-NO REPAIR G3003 BY 4.0 HRS	1.000E+00		
	UGE2G03S - 2-UF-DG 2G003 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U2G02TSM - 2-U-DG2G02 DOWN DUE TO UNSCH MAINT	4.500E-02		
1.157E-08	DG2/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0021	0.6728
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AY 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G02M - 2-UB-DG 3G002 DOWN-SCHED MAINT	1.600E-01		
	U3G03TSM - 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET		BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.120E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0021	0.6749
	JIVTLOM	- 2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)	8.300E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP7.5	- 2-UF-NO OFFSITE PWR AT 7.5 HRS	2.000E-02		
	NR2D27.5	- 2-UF-NO REPAIR DG 2G002:7.5 HRS	1.000E+00		
	NR2D37.5	- 2-UF-NO REPAIR DG 2G003:7.5 HRS	1.000E+00		
	UFTAX7.5	- 2-UF-OPRTR FAILS TO TIE:7.5 HRS	5.000E-03		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
1.084E-08	DG2/1S	- 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0020	0.6769
	JIHIGH	- 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP	- 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0	- 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0	- 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0	- 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	UGE2G02S	- 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G2SD	- 2-UB-DG 3G002 SHUTDWN MAINT	1.500E-01		
	U3G03TSM	- 2-U-DG3G03 DOWN DUE TO UNSCH MAINT	4.500E-02		

DOMINANT MINIMAL CUTSETS

CUTSET PROBABILITY	BASIC EVENTS IN CUTSET	BASIC EVENT PROBABILITY	FRACTION OF TOTAL UNAVAILABILITY	CUMULATIVE FRACTION OF TOTAL UNAVAILABILITY
1.084E-08	DGZ/1S - 2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS	1.200E-01	0.0020	0.6789
	JIVTHIGH - 2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)	1.700E-01		
	LOOP - 2-ZC-LOSS OF OFFSITE POWER	4.500E-02		
	NROSP4.0 - 2-UE-NO OFFSITE PWR AT 4.0 HRS	7.000E-02		
	NR2D24.0 - 2-UE-NO REPAIR DG 2G002:4.0 HRS	1.000E+00		
	NR2D34.0 - 2-UE-NO REPAIR DG 2G003:4.0 HRS	1.000E+00		
	UGE2G02S - 2-U-DG 2G002 FAILS TO START	2.500E-02		
	UGE3G3SD - 2-UF-3G003 SHUTDOWN MAINT	1.500E-01		
	U3G02TSM - 2-U-DG3G02 DOWN DUE TO UNSCH MAINT	4.500E-02		

5.0 UNCERTAINTY

Uncertainties primarily exist because each of the basic event probabilities used in this study are probabilistic mean estimates, each with its own uncertainty. Additional uncertainty, not all of which is quantifiable, exists due to data limitations. A key factor tc consider, however, is that these uncertainties are of less concern for relative comparisons of the same plant systems using the same data than would be true of an absolute reliability evaluation. Since much of the uncertainty effects are canceled out in a comparative evaluation. In order to assess the uncertainty bands associated with each mean estimate, a series of Monte Carlo uncertainty calculations were performed using the MONTE code. Table 5-1 and figure 5-1 presents the results of the uncertainty analysis for each case.

Based on assumed lognormal distributions of basic events in the Monte Carlo uncertainty analysis, 90% of the distributed values (between the 95th and 5th percentiles) ranged between 10^{-6} and 10^{-8} for the proposed diesel generator cross connect system compared to 10^{-5} and 10^{-7} for the current system.

TABLE 5-1

UNCERTAINTY RANGES FOR STATION BLACKOUT EVENT
FOR NO CROSS-CONNECT CASE STUDY AND FOR
AUTOMATIC CROSS-CONNECT STUDY

Case	No Cross-Connect Case	Automatic Cross-Connect
Mean	1.5×10^{-5}	4.4×10^{-6}
95 Percentile	2.2×10^{-5}	4.8×10^{-6}
Median	2.3×10^{-6}	3.6×10^{-7}
5 Percentile	3.3×10^{-7}	4.3×10^{-8}

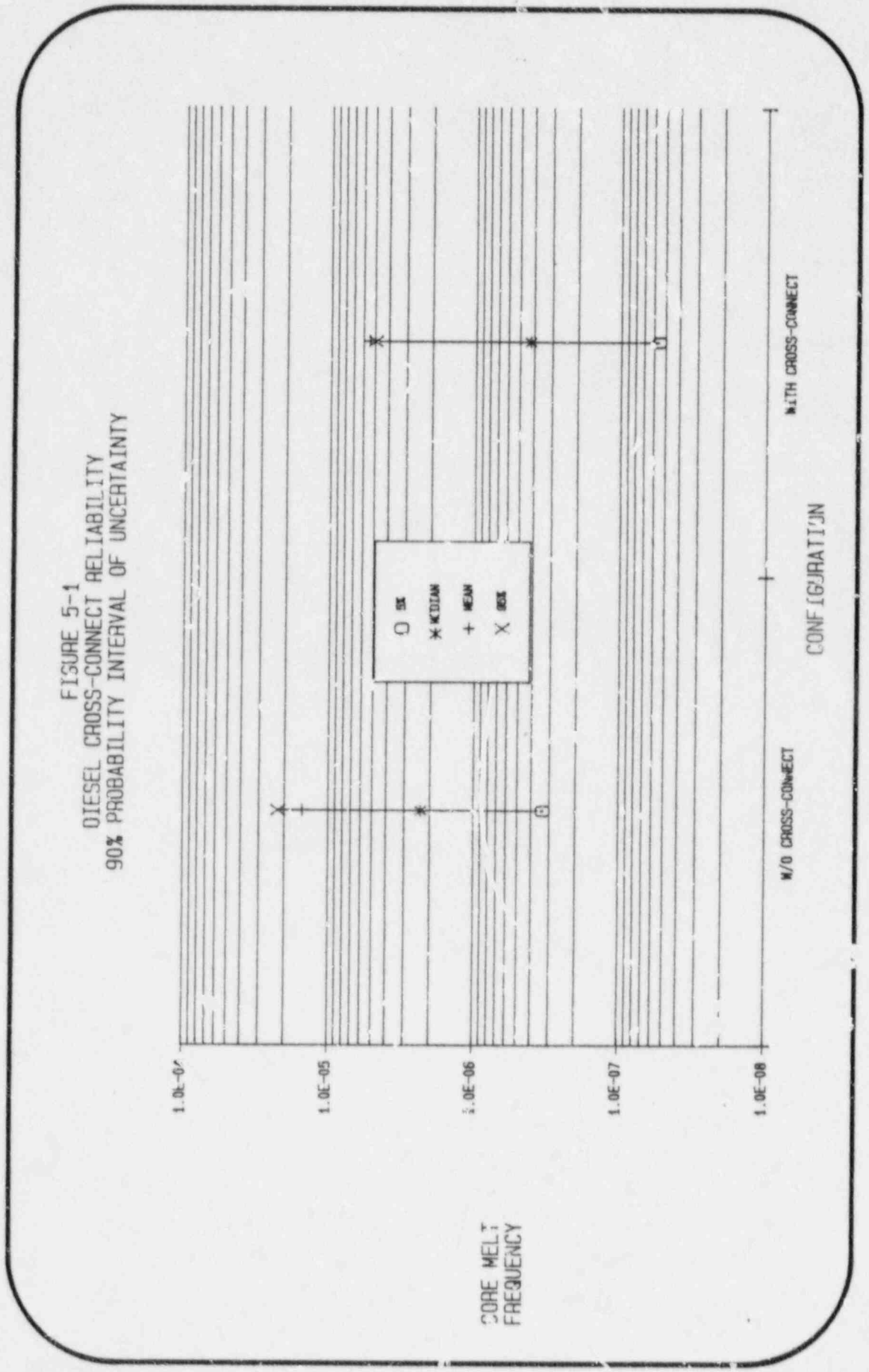


FIGURE 5-1
DIESEL CROSS-CONNECT RELIABILITY
90% PROBABILITY INTERVAL OF UNCERTAINTY
CORE MELT FREQUENCY
1.0E-04
1.0E-05
1.0E-06
1.0E-07
1.0E-08
95%
MEDIAN
MEAN
5%
W/O CROSS-CONNECT
WITH CROSS-CONNECT
CONFIGURATION

6.0 CONCLUSION

The automatic diesel generator cross-connect feature significantly decreases the risk of core melt due to loss of offsite power/station black out compared to the base case configuration. By providing an enabling mechanism to access the adjacent units' diesel generators, the proposed modification effectively increases the number of diesel generators available for on-demand response from two to four. This increase in the number of diesel generators available improves the reliability of the 4160 Volt Emergency Power System by enhancing its ability to respond to the most demanding conditions, namely a loss of offsite power/station blackout event.

The importance of the diesel generators in a loss of offsite power event is evidenced in the improvement to system reliability with the proposed modification installed. The current configuration, representing the plant without the diesel cross-connect capability, yielded a core melt frequency of 1.5E-05 per reactor year with the plants actual (historical) 9 day maintenance outage per diesel per year. Despite increasing the annual allowed maintenance outages between four to twelve weeks, a 72% to 55% decrease in the core melt frequency was realized with the diesel cross-connect modification.

Thus plant safety and reliability are improved with the proposed modification. Explicitly, core melt frequency reduction and increased annual diesel generator maintenance outages are products of the modification. Concurrent implicit benefits are additional opportunities for diesel maintenance and likely reduction in maintenance errors attributed to time constrained maintenance activities, both presenting potential for increased diesel generator on-demand reliability.

7.0 REFERENCES

1. NUREG/CR-2728, P. D. Carlson, et.al., "Interim Reliability Evaluation Program Procedures Guide," January, 1983.

2. WASH-1400, "Reactor Safety Study. An Assessment of Accident Risks in U.S. Commerical Nuclear Power Plants," Appendix III, Failure Data, October, 1975.

3. Docket No. 50-352, 50-353, "Probabilistic Risk Assessment Limerick Generating Station," Philadelphia Electric Company, September, 1982.

4. NUREG/CR-2989, R. E. Battle and D. J. Campbell, "Reliability of Emergency AC Power Systems at Nuclear Power Plants," July, 1983.

5. NUREG/CR-3511, A.C. Payne, et. al. "Interim Reliability Evaluation Program" Analysis of the Calvert Cliffs Unit 1 Nuclear Power Plant," August, 1984.

6. NSAC/85, H. Wyckoff, "Loss of Offsite Power at U.S. Nuclear Power Plants, All Years Through 1983," July, 1984.

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13. Letter to E. J. Donovan from W. W. Strom, dated December 3, 1986, re: RETRAN Analysis determining Steam Generator Boil-dry, Unit 2.

14. Memorandum to file from R. J. Lee, dated December 2, 1983, re: RCP bleedoff isolation calculation after a loss of offsite power.

15. Memorandum for file from R. J. Lee, dated January 2, 1987, re: Natural Circulation at SONG 2&3 10 hours after a station blackout event.

16. Memorandum for file from R. J. Lee, dated December 2, 1985, re: Battery Life Expectancy.

17. SONGS 2 & 3 Abnormal Operating Instruction No. SO23-13-1, Rev. O "Loss of Offsite Power," dated January 14, 1985.

18. Letter to H. F. McCluskey from V. C. Hall, dated July 11, 1983, re: Inverter Design Temperatures, Units 2,3.

19. Letter to R. J. Lee from Gary Chung, dated November 3,1 986, re: The Expected Survival Time of the vital Bus Inverters Given a Station Blackout.

20. Memorandum for file from ERIN Engineering, dated January, 1987, re: Calculation of Probability of SONGS Site Temperature Above 72°F.

21. Letter to T. A. Morgan (ERIN Engineering) from L. Hambright (Torrey Tech, inc.), dated December 22, 1986, re: Inverter Room Heatup Calculations.

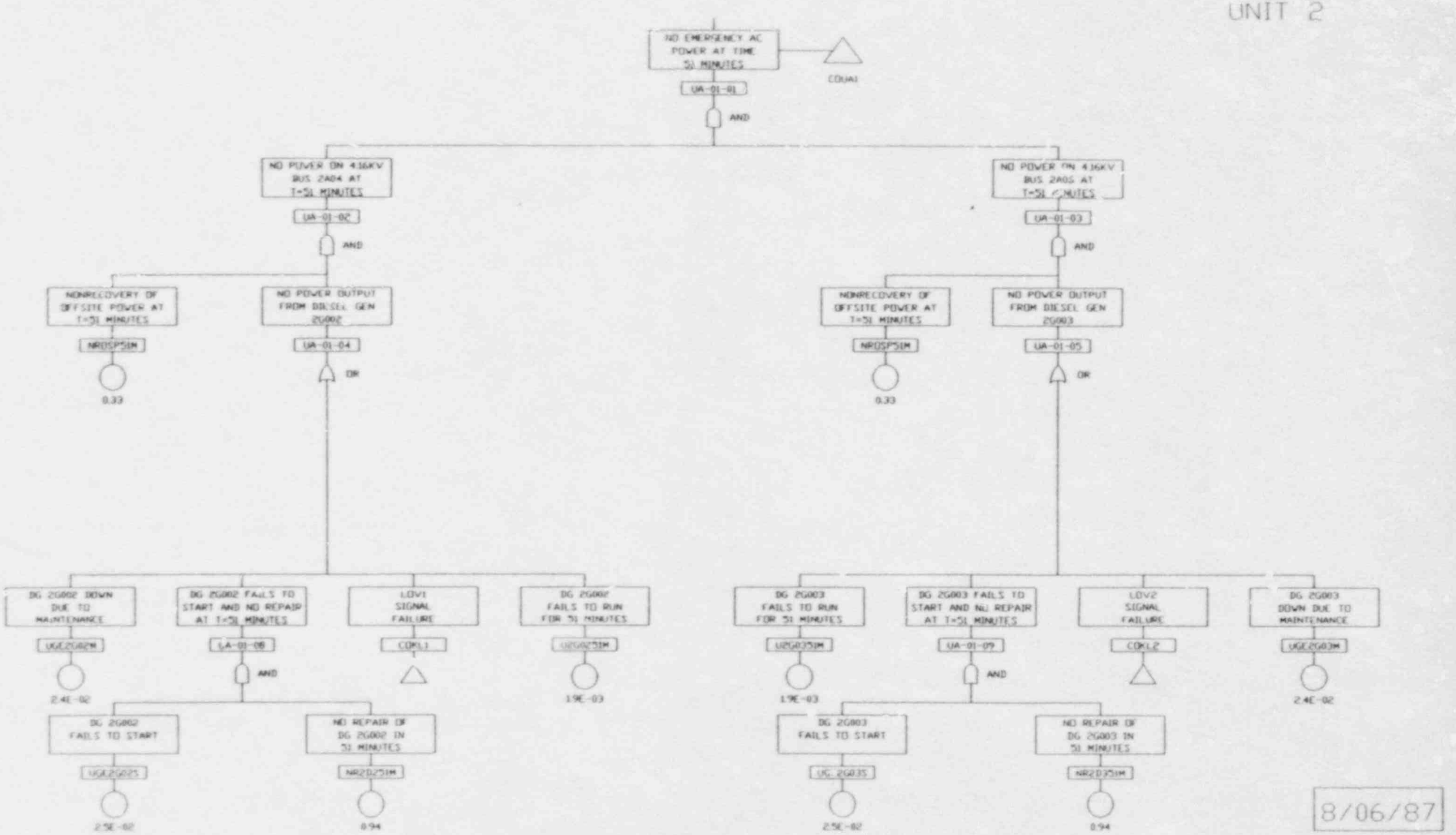
22. EPRI NP-3967, "Classification and Analysis of Reactor Operating Experience Involving Dependent Events," dated June, 1985, (Interi Report).

APPENDIX A

FAULT TREES

FIGURE UA-1: AC POWER FAULT TREE FOR NO POWER AT T=51 MINUTES, GIVEN LOOP AT T=0

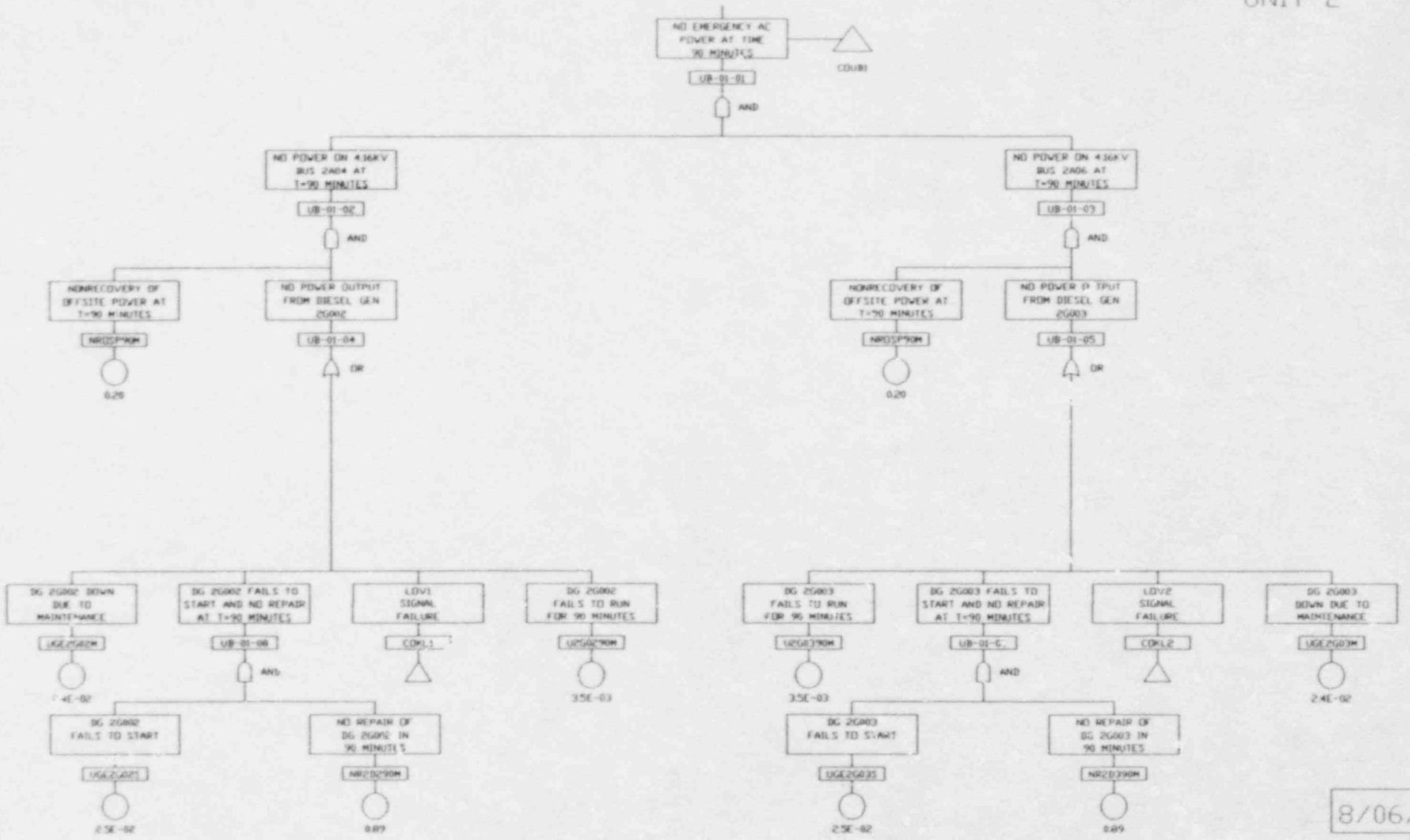
UNIT 2



8/06/87

FIGURE UB-1: AC POWER FAULT TREE FOR NO POWER AT T=90 MINUTES, GIVEN LOOP AT T=0

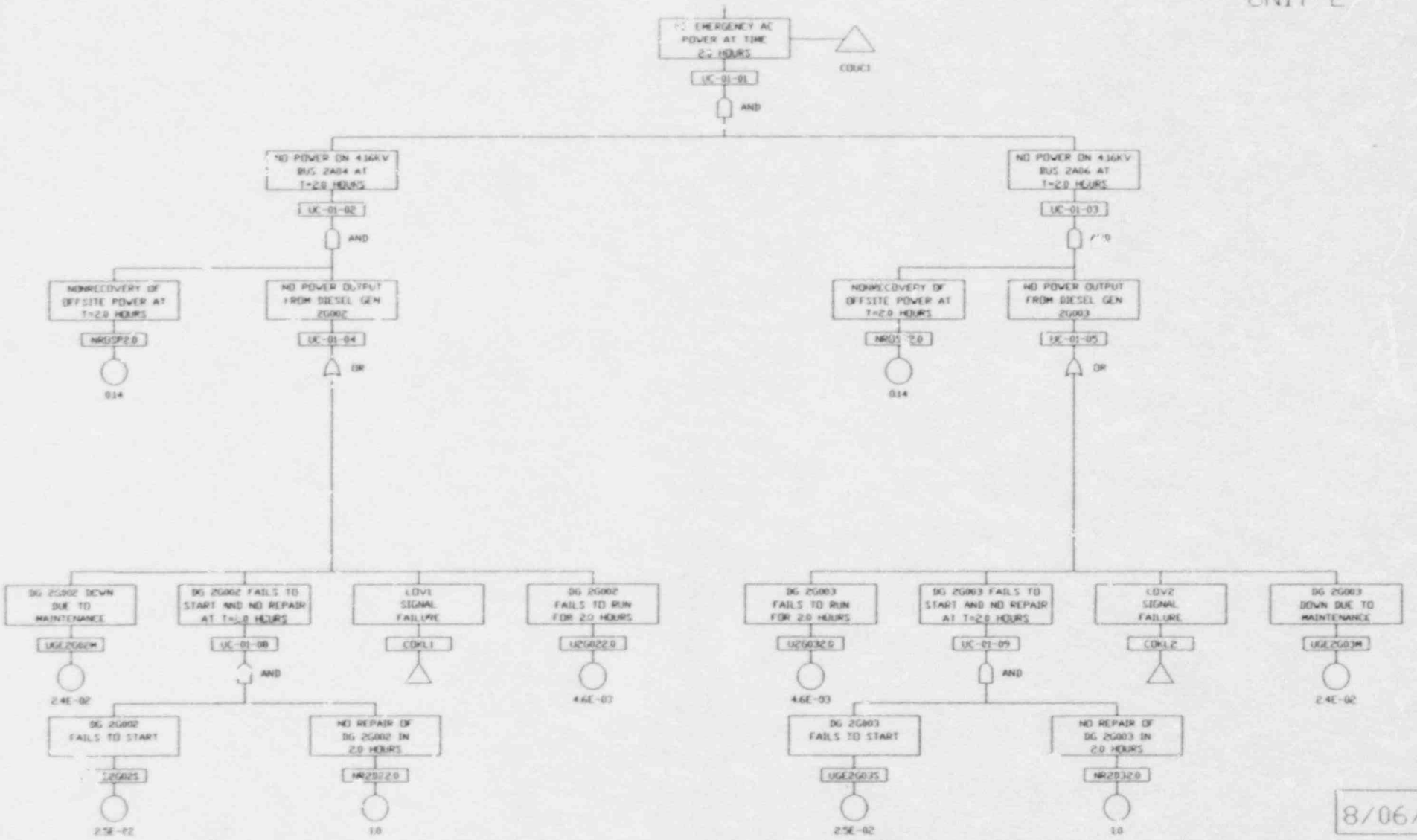
UNIT 2



8/06/87

FIGURE UC-1: AC POWER FAULT TREE FOR NO POWER AT T=2.0 HOURS, GIVEN LOOP AT T=0

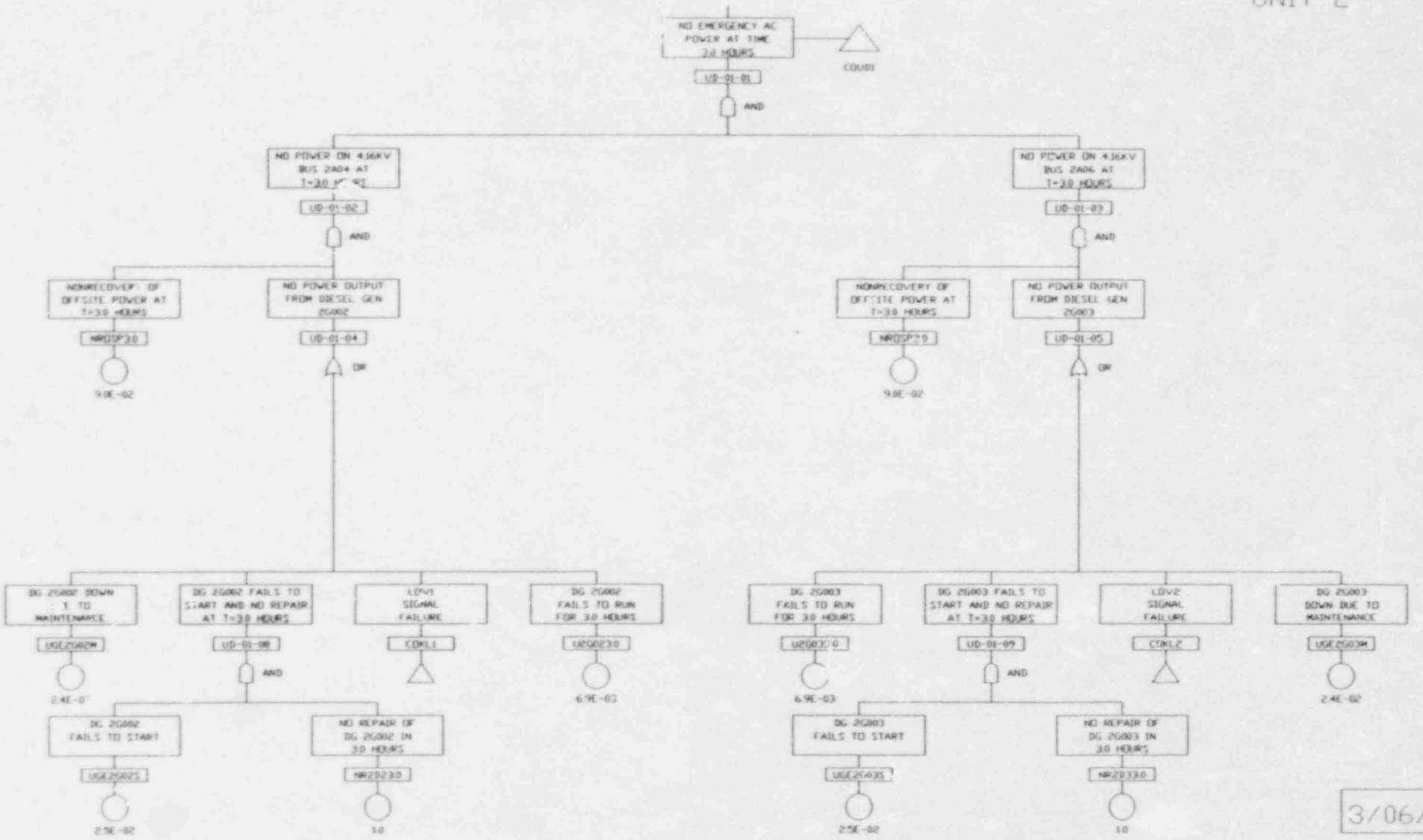
UNIT 2



8/06/87

FIGURE UD-1: AC POWER FAULT TREE FOR NO POWER AT T=3.0 HOURS GIVEN LOOP AT T=0

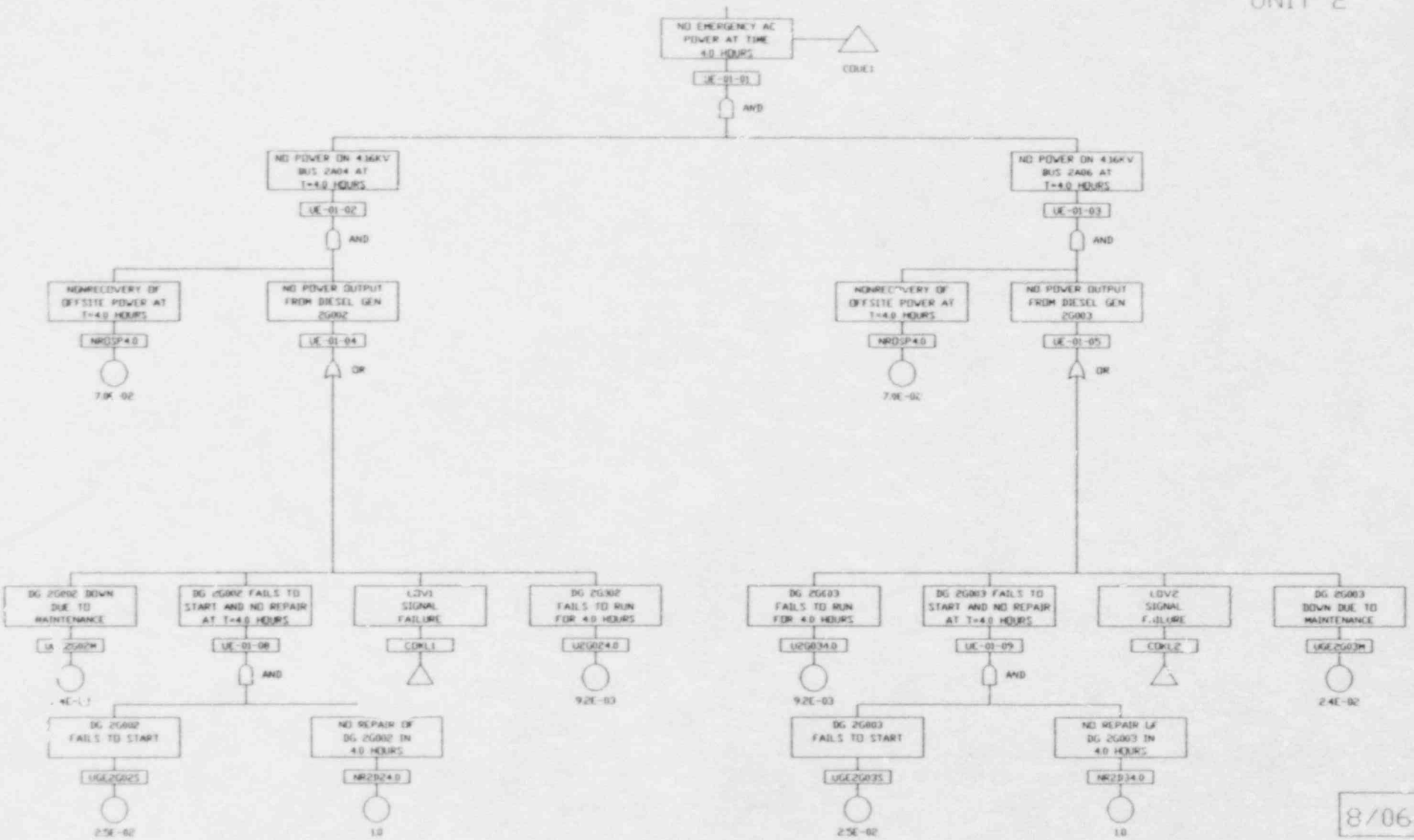
UNIT 2



3/06/87

FIGURE UE-1: AC POWER FAULT TREE FOR NO POWER AT T=4.0 HOURS, GIVEN LOOP AT T=0

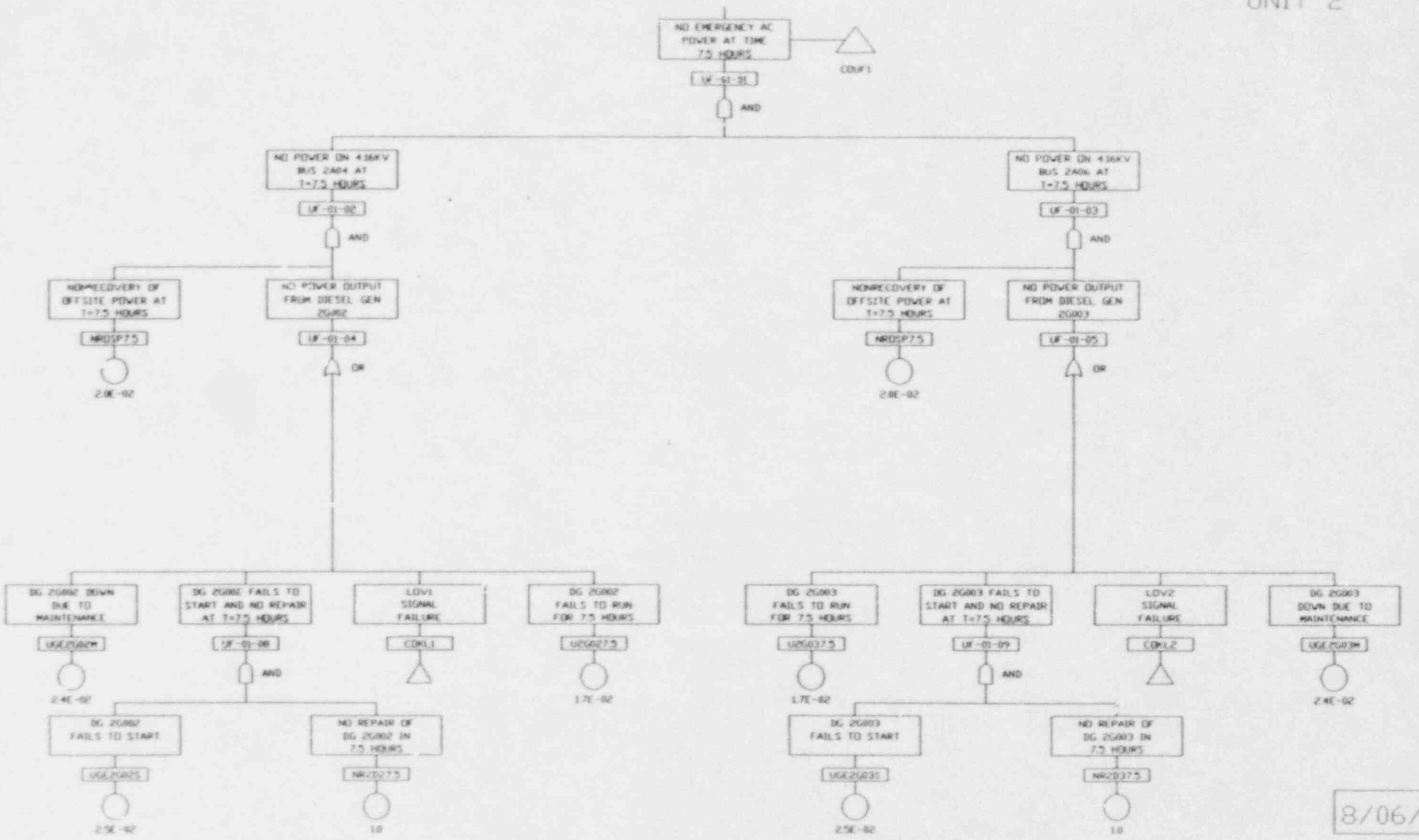
UNIT 2



8/06/87

FIGURE UF-1: AC POWER FAULT TREE FOR NO POWER AT T=7.5 HOURS, GIVEN LOOP AT T=0

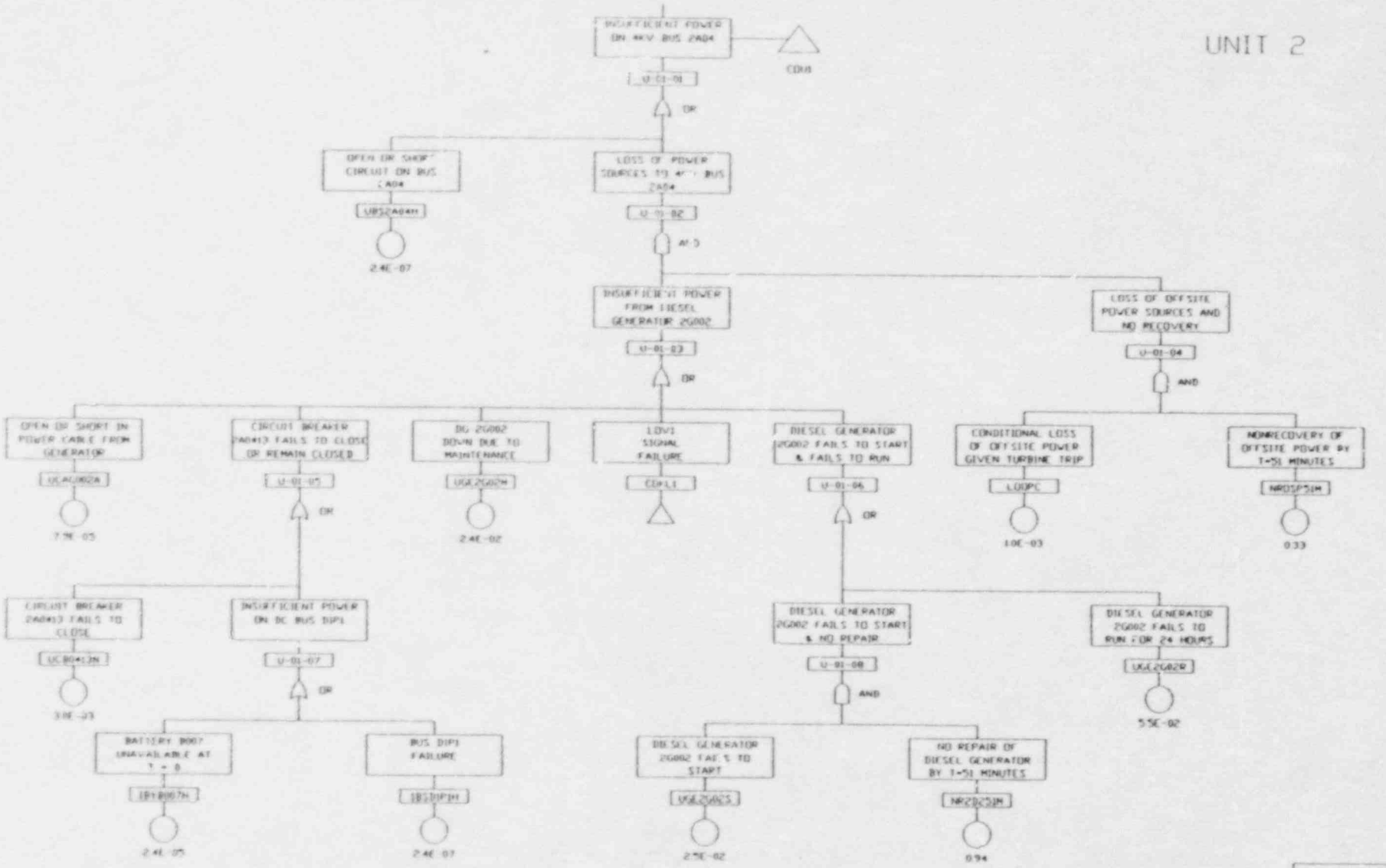
UNIT 2



8/06/87

FIGURE UT-1: 4160V AC POWER FAULT TREE (TURBINE TRIP)

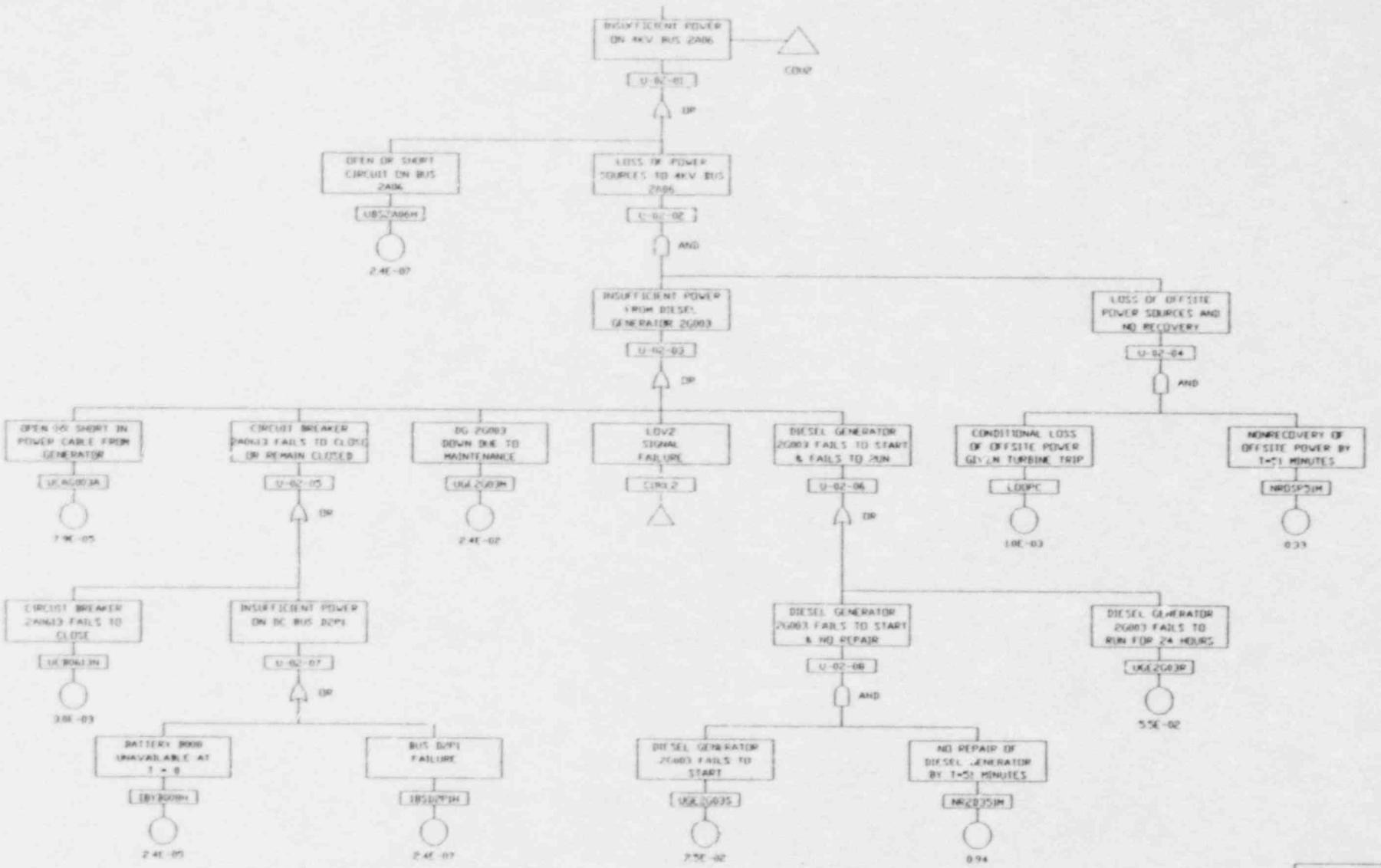
UNIT 2



8/06/87

FIGURE UT-1, SHEET 2

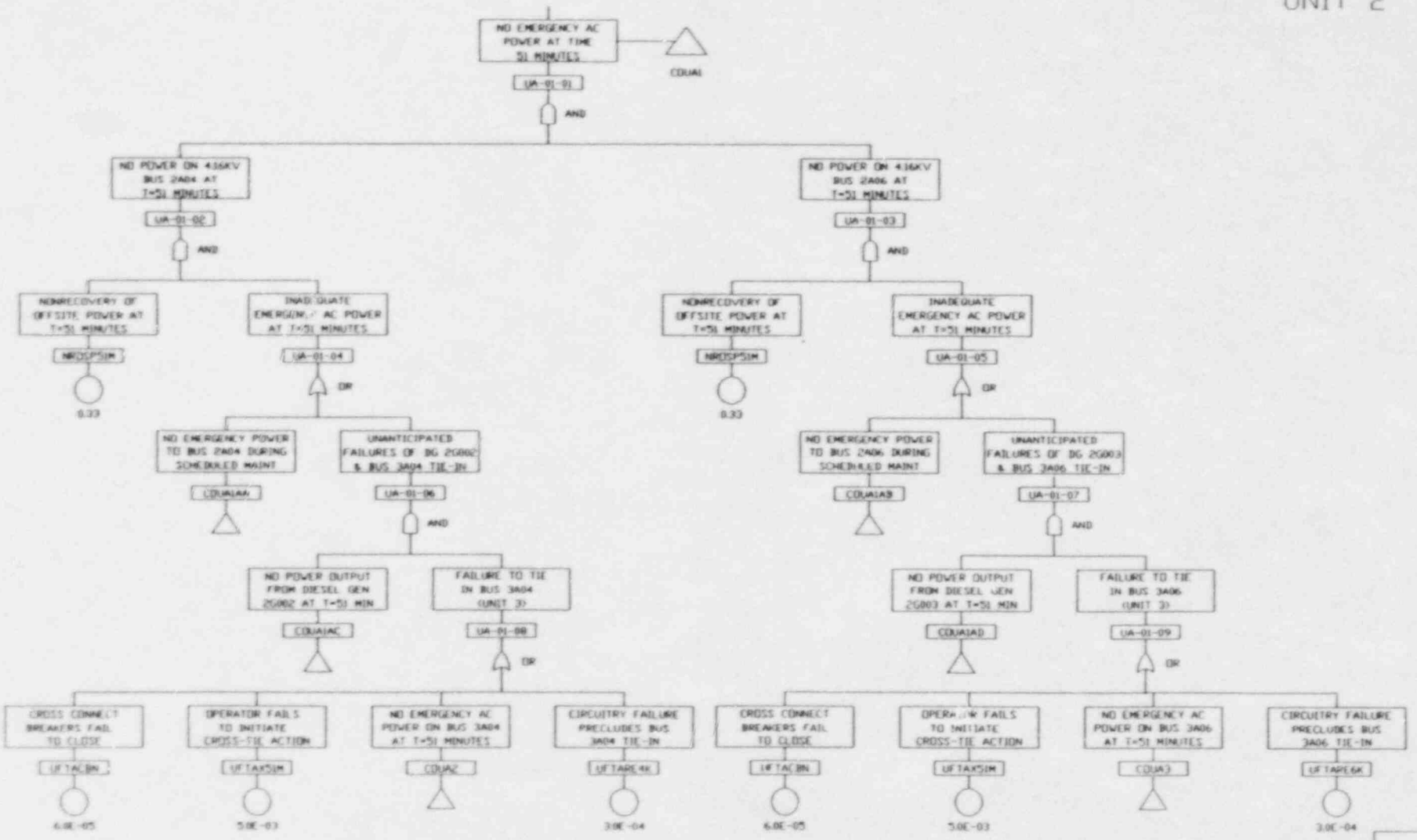
UNIT 2



8/06/87

FIGURE UA'-1: AC POWER FAULT TREE FOR NO POWER AT T=51 MINUTES, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

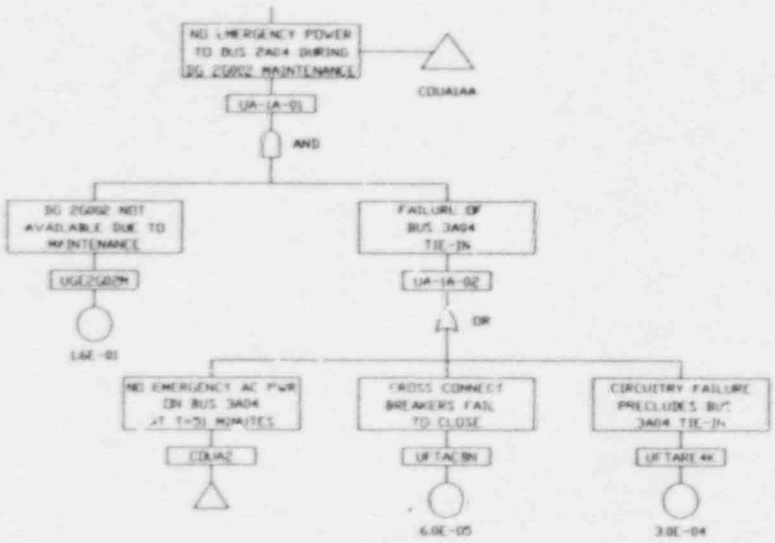
UNIT 2

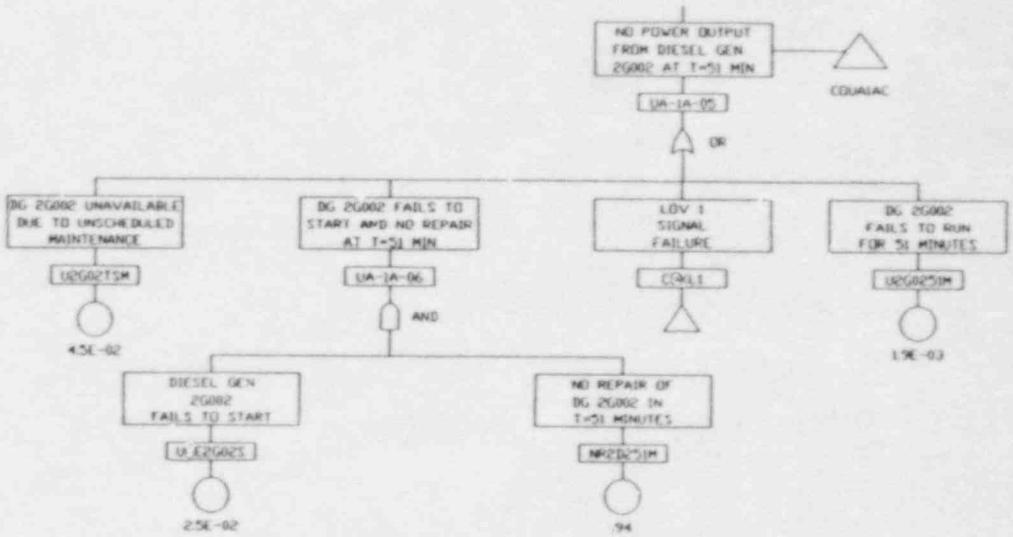


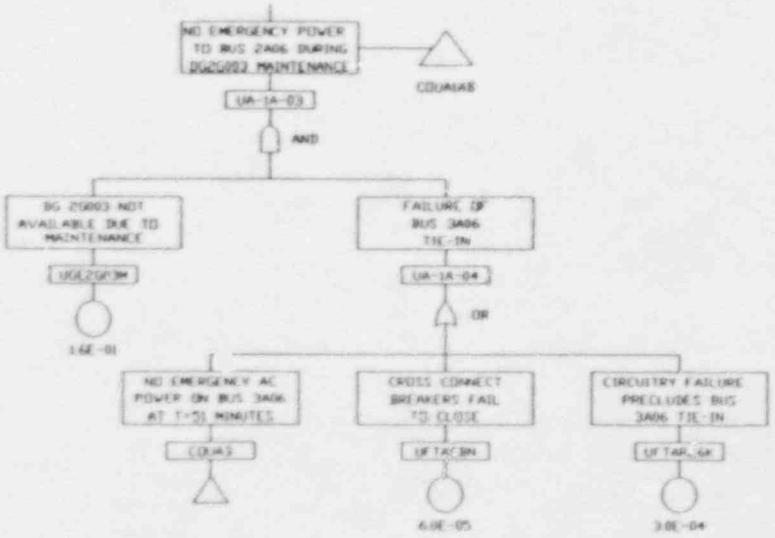
9/2/87

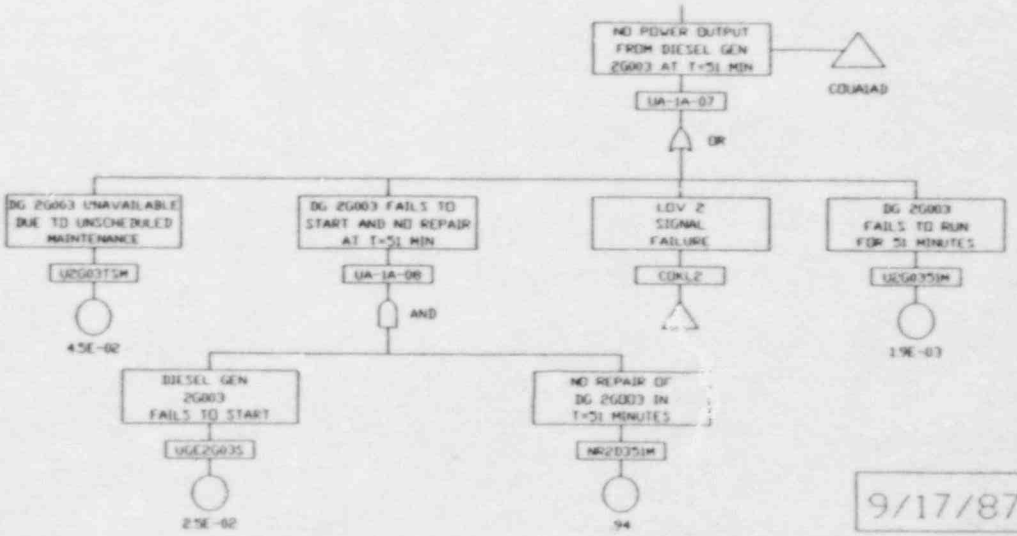
FIGURE UA'-1, SHEET 1A

UNIT 2









9/17/87

FIGURE UA'-1, SHEET 2

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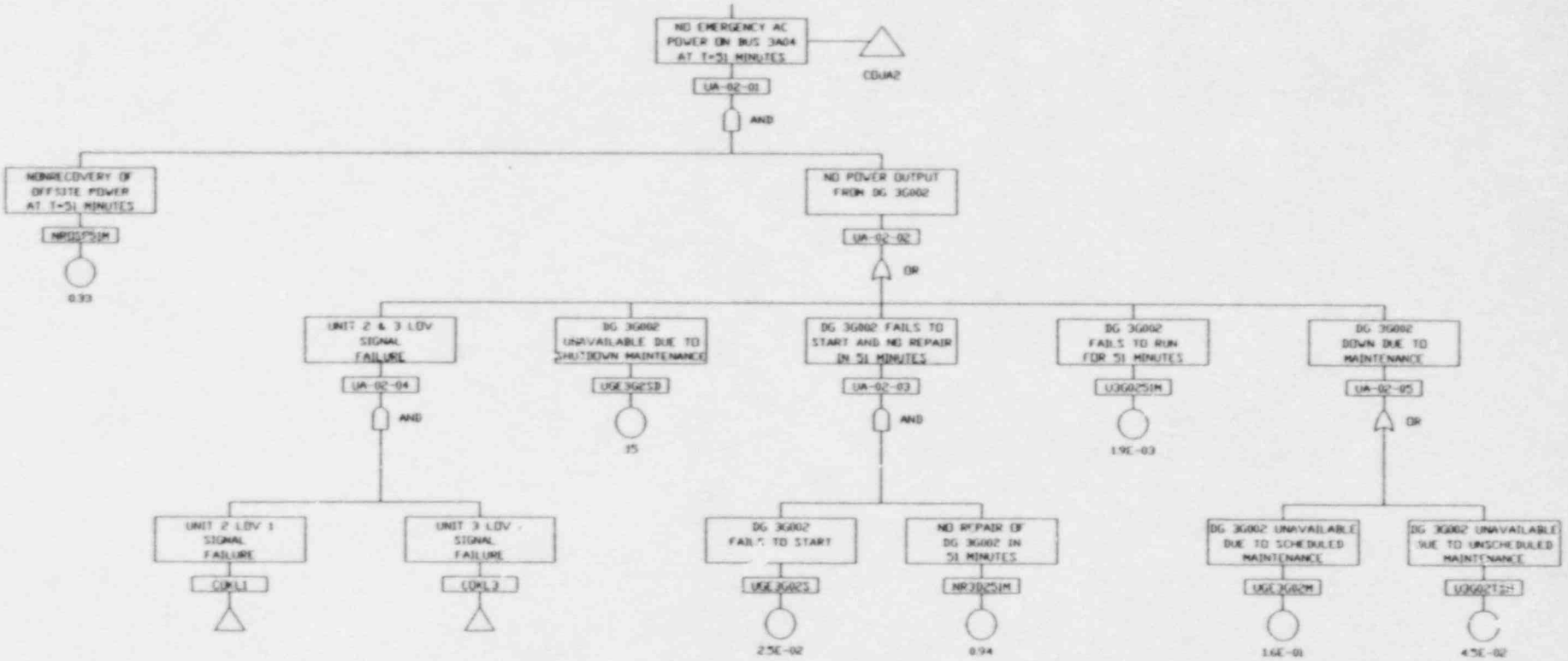

8/31/87

FIGURE UA'-1, SHEET 3

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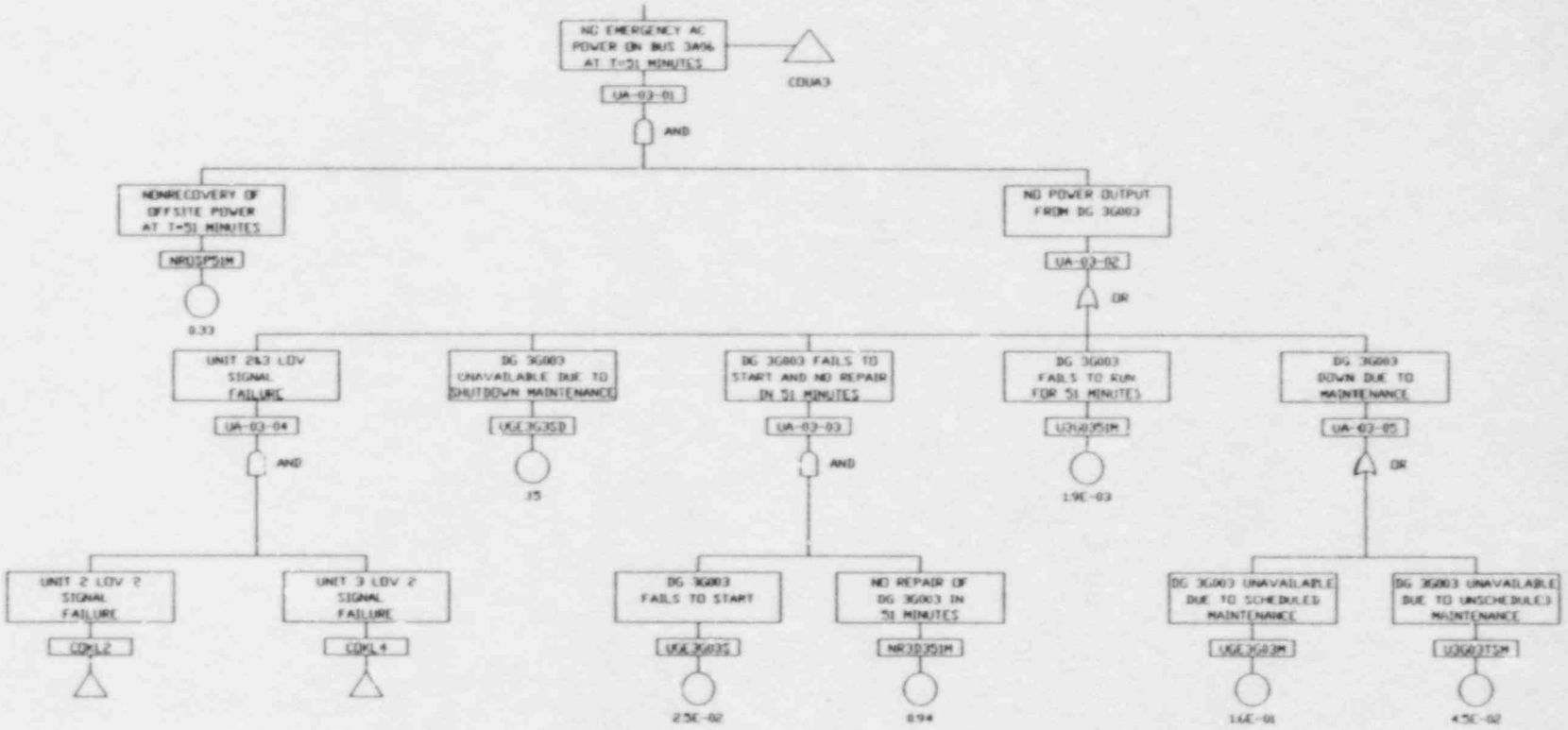

9/01/87

FIGURE UB'-1: AC POWER FAULT TREE FOR NO POWER AT T=90 MINUTES, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

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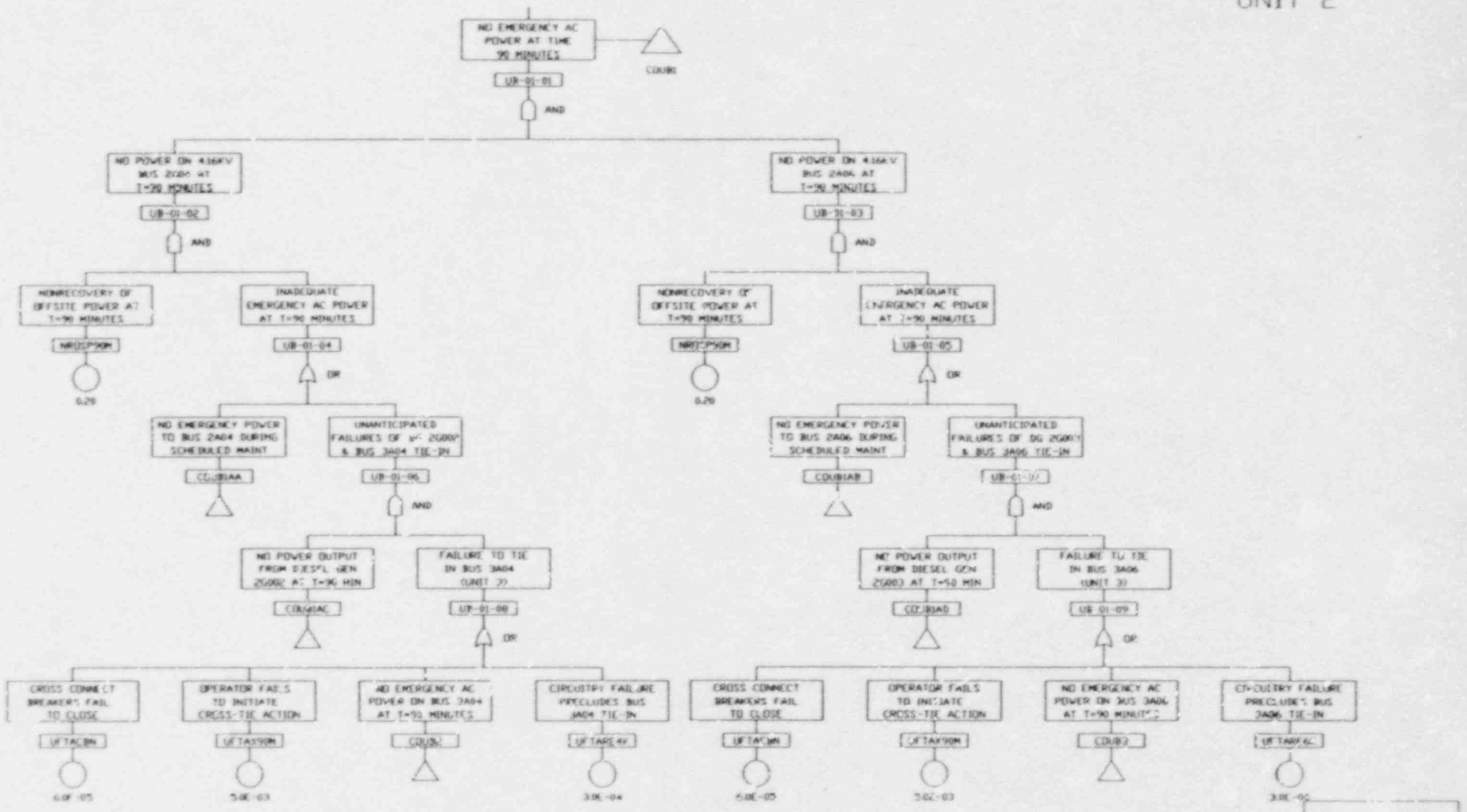

9/2/87

FIGURE UB'-1, SHEET 1A

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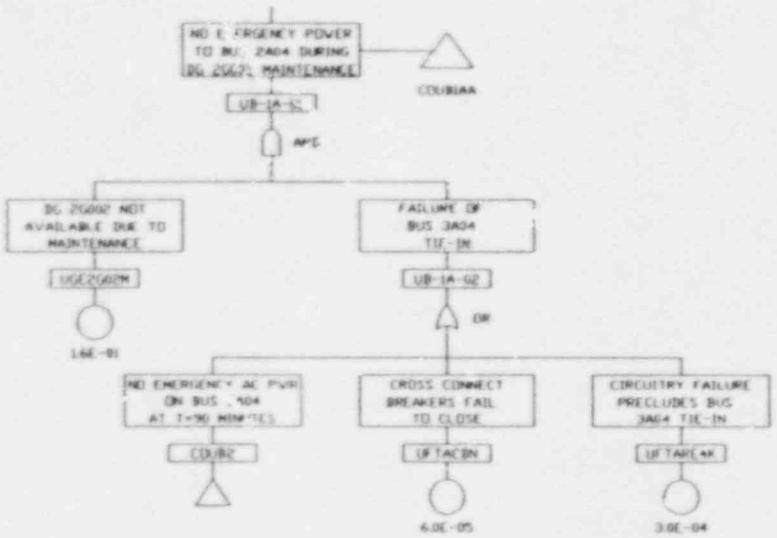

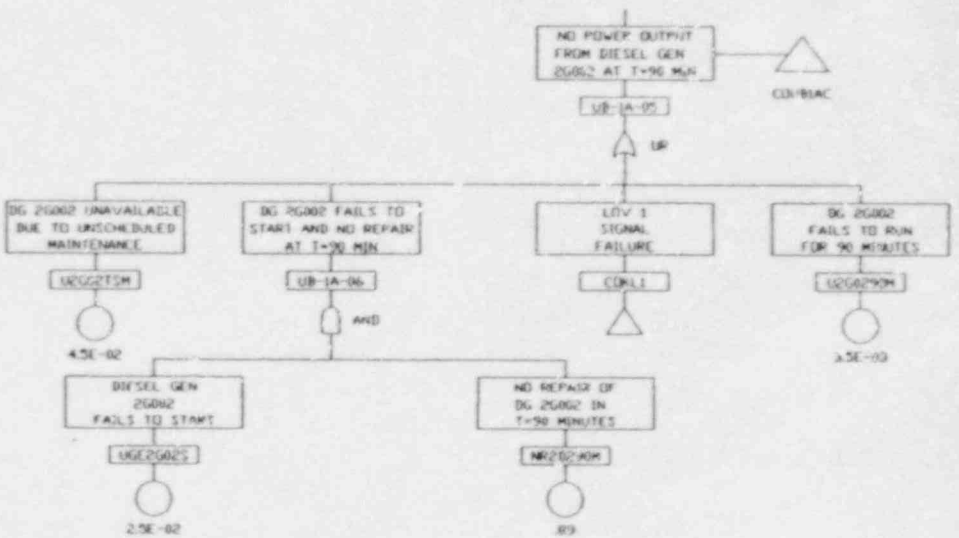

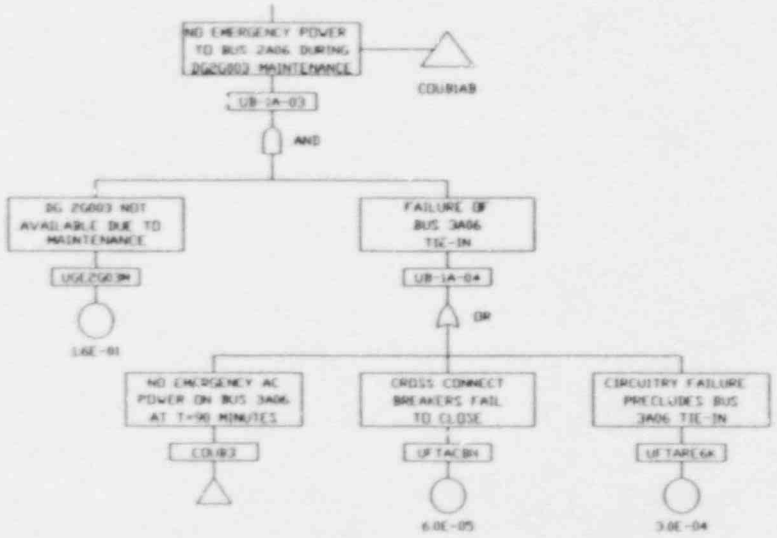

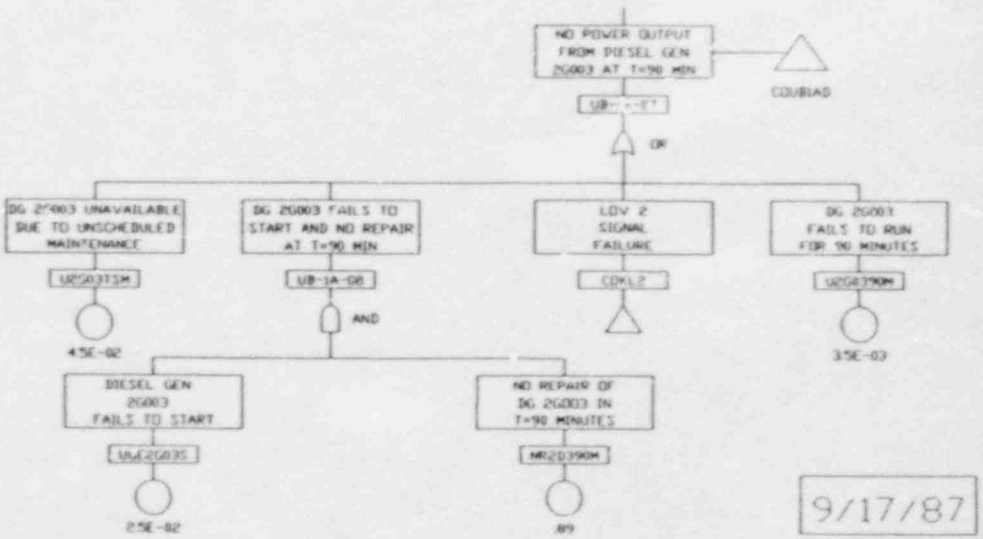

9/17/87

FIGURE UB'-1, SHEET 2

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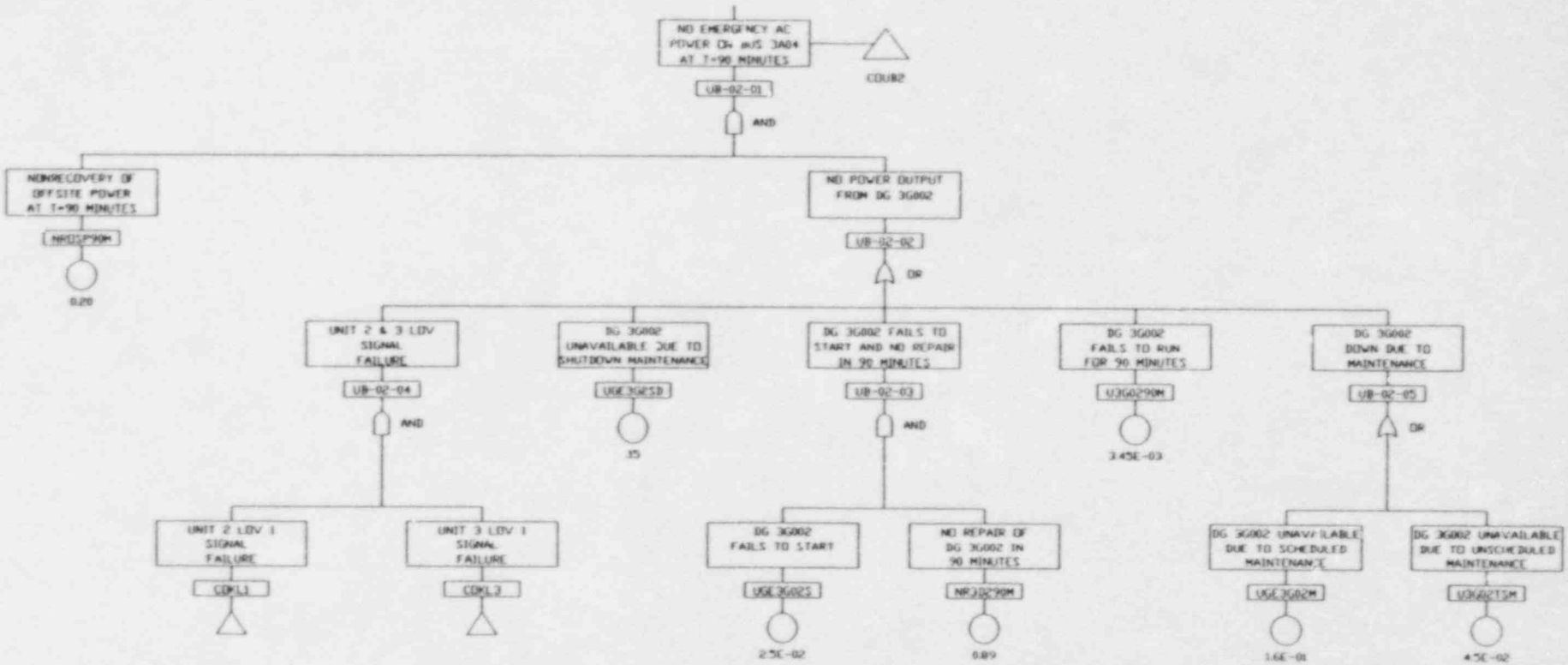

8/31/87

FIGURE UB'-1, SHEET 3

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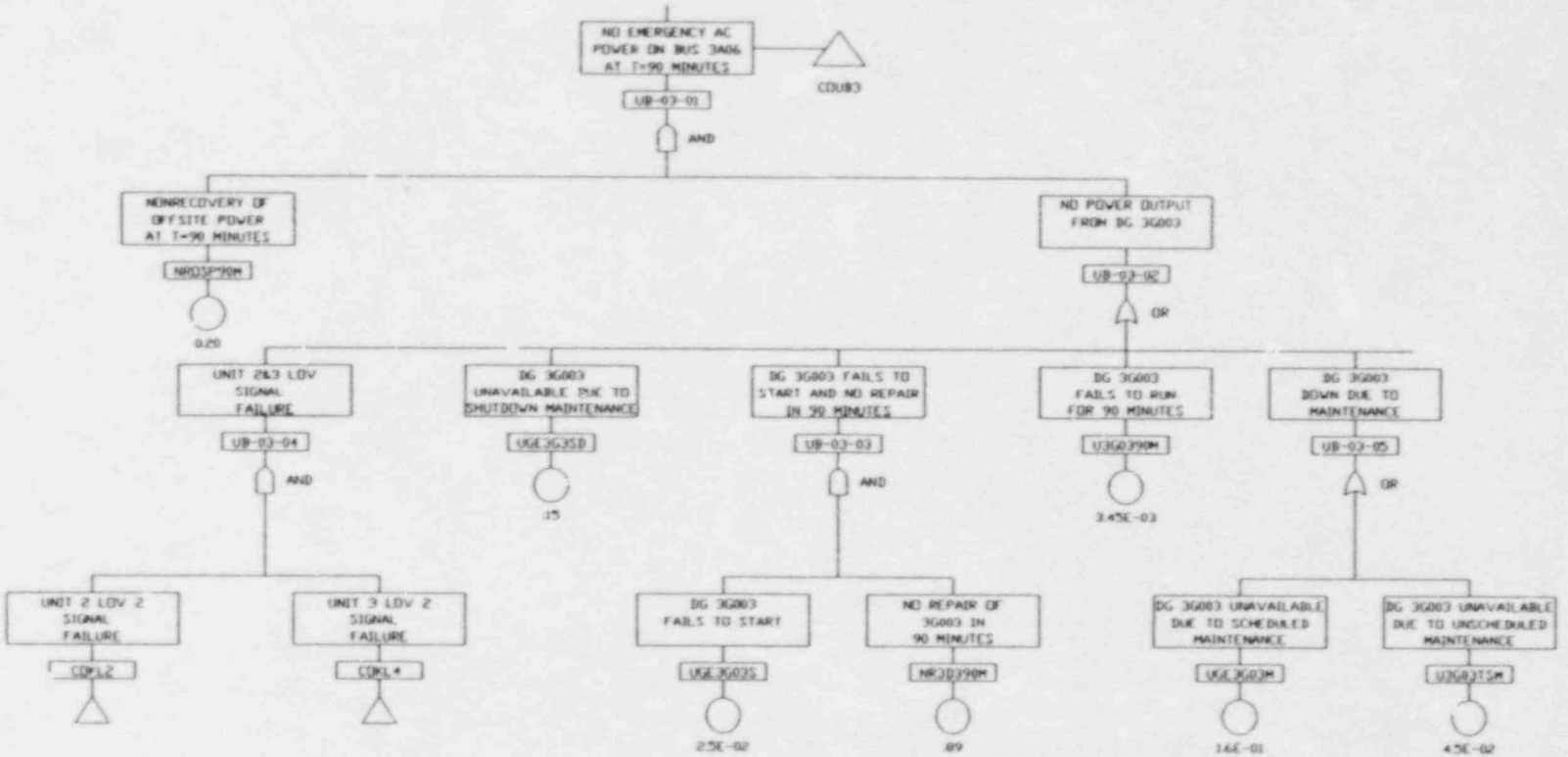

8/31/87

FIGURE UC'-1: AC POWER FAULT TREE FOR NO POWER AT T=2.0 HOURS, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

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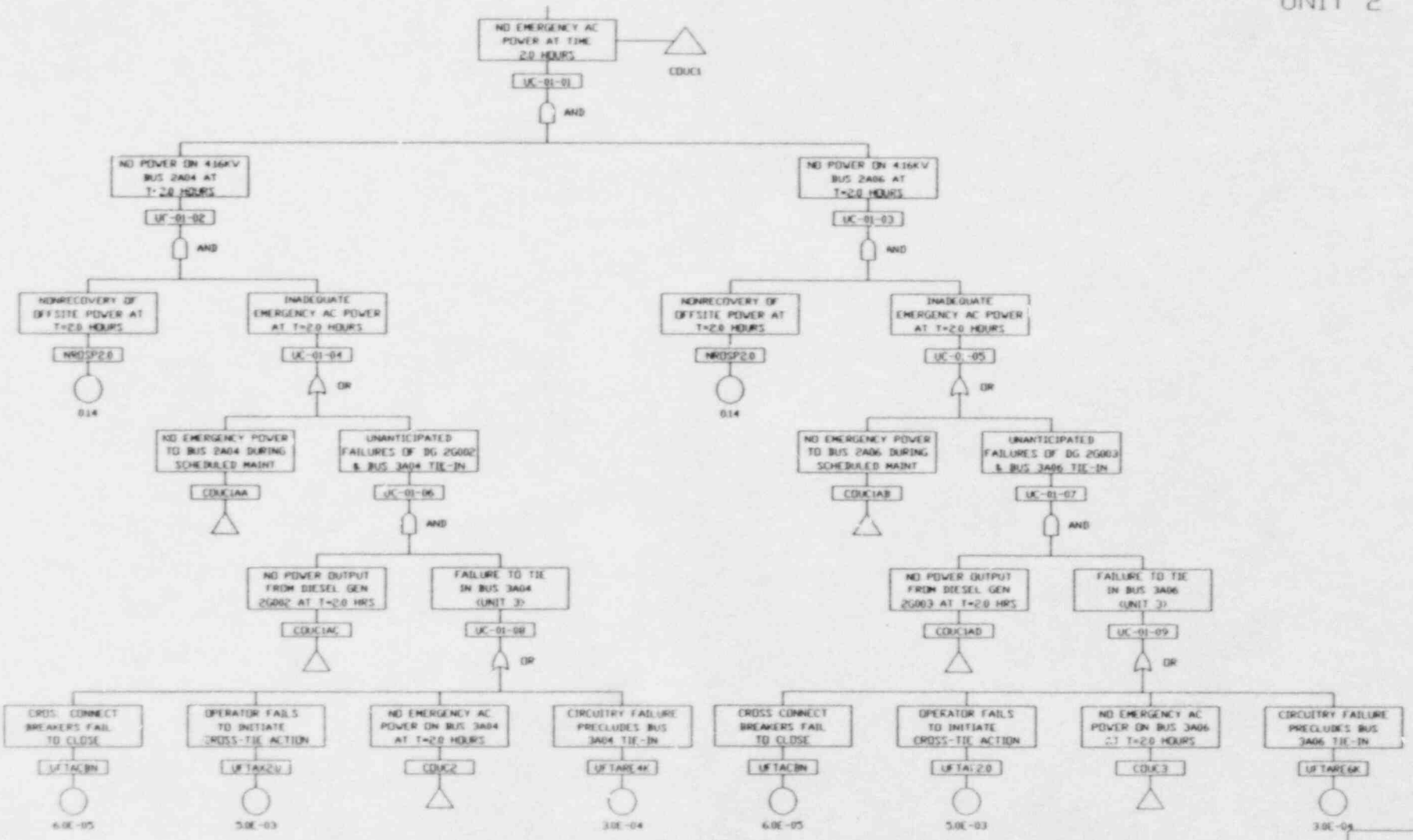

9/2/87

FIGURE UC'-1, SHEET 1A

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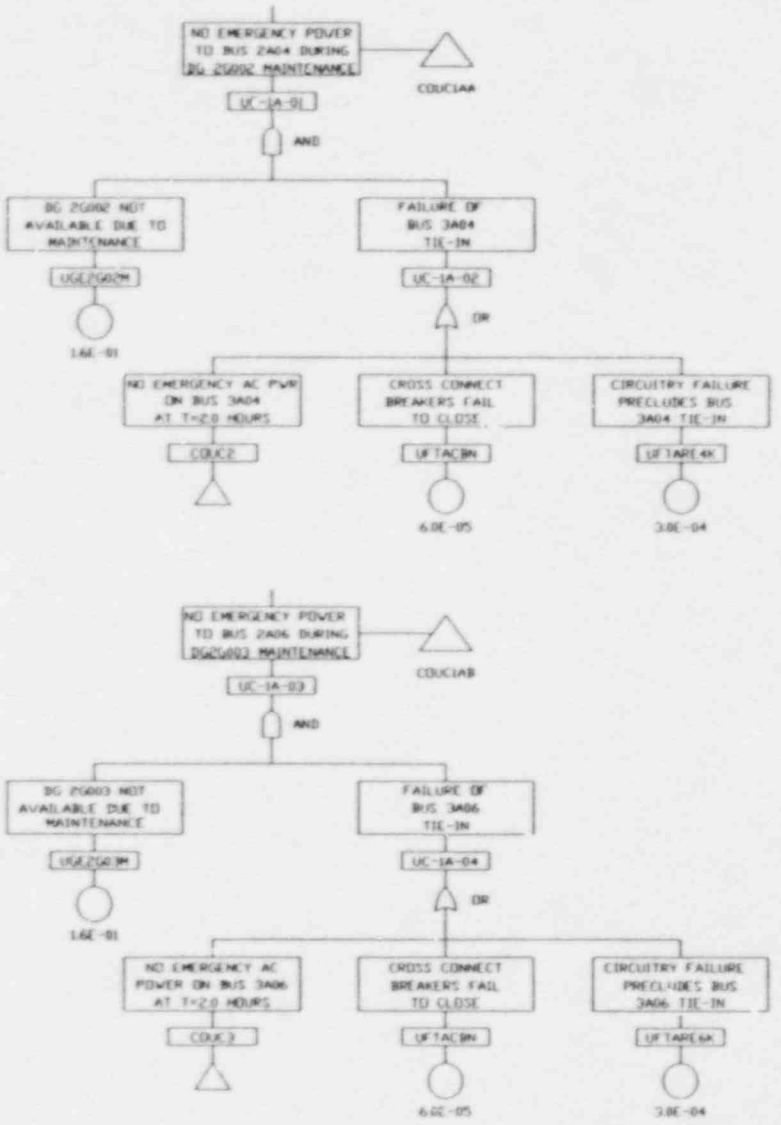

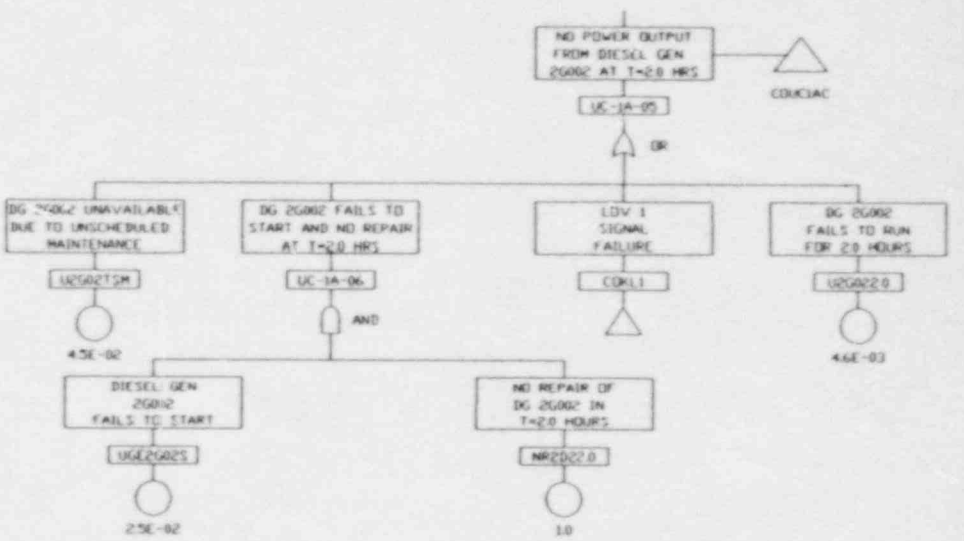

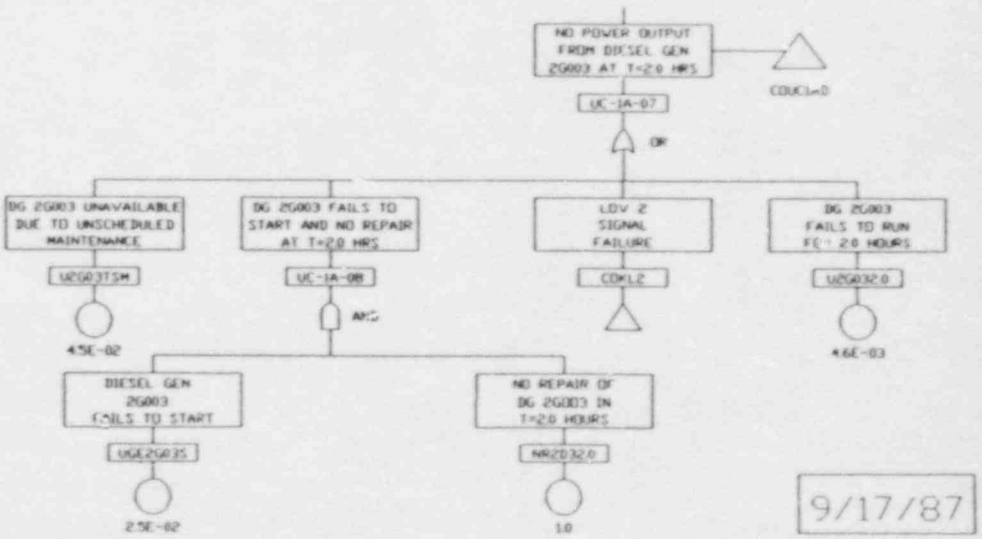

9/17/87

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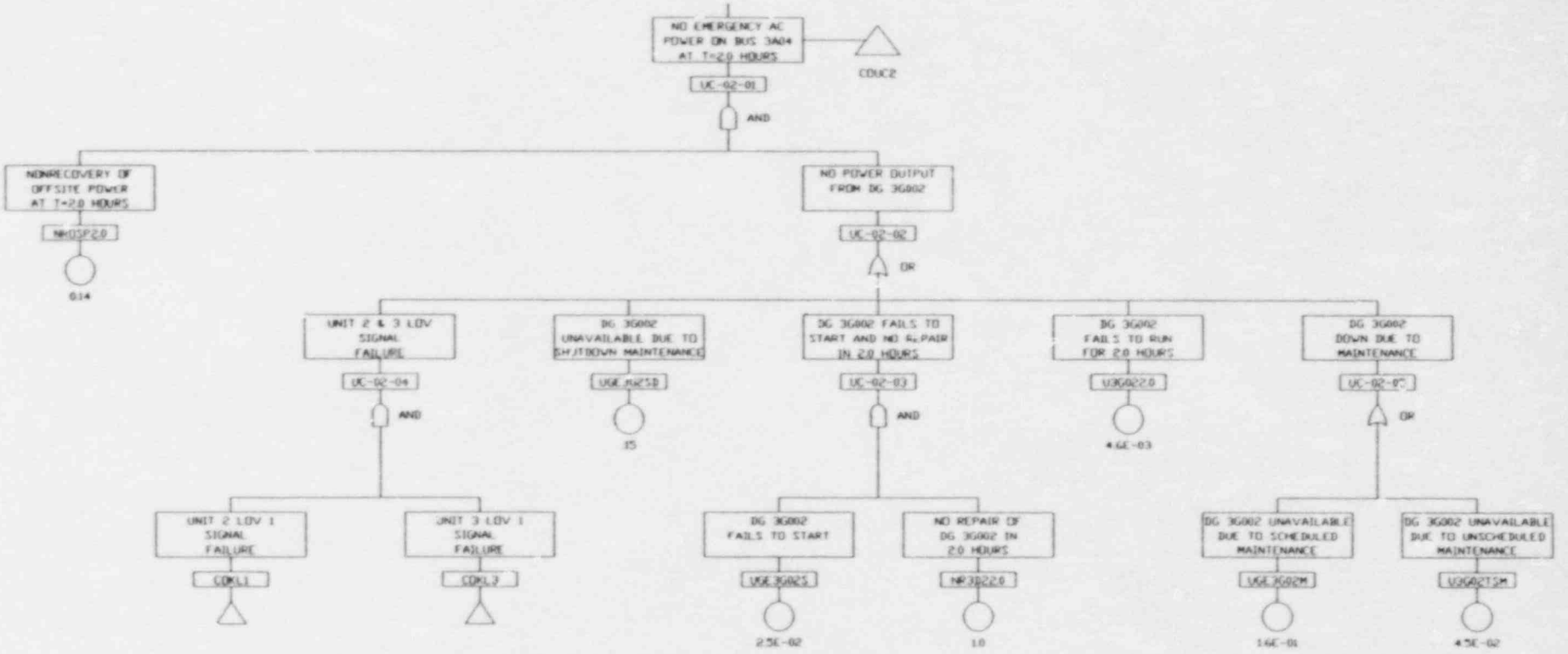

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FIGURE UC'-1, SHEET 3

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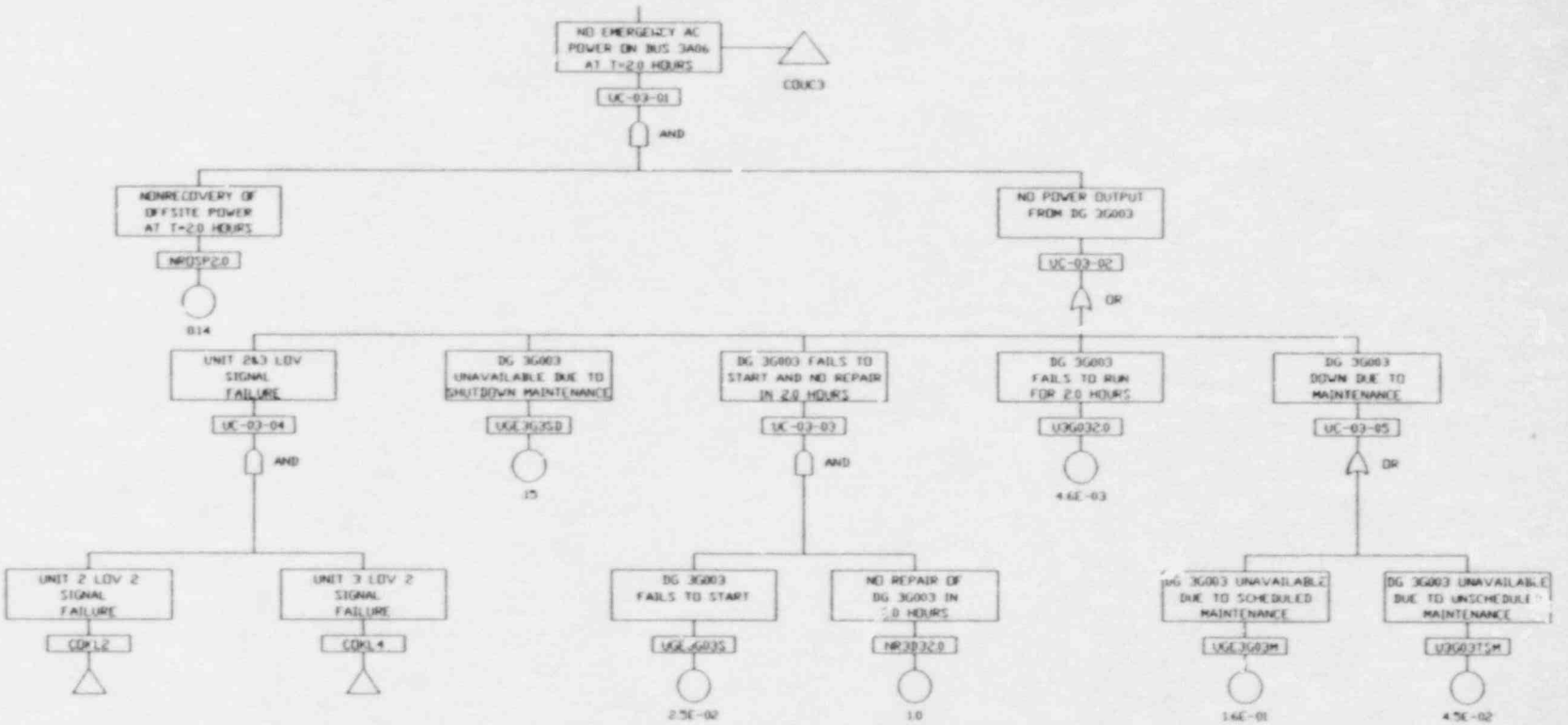
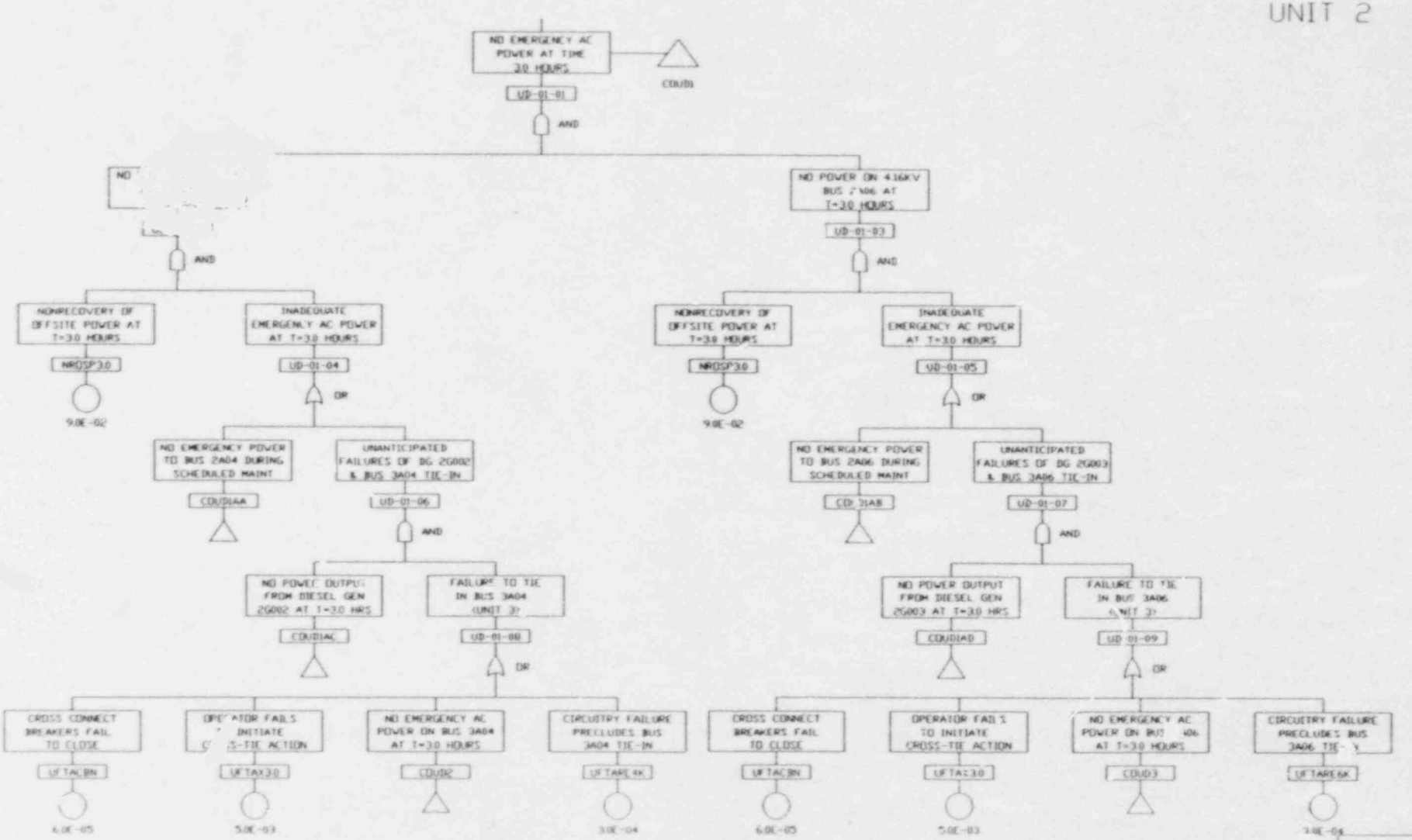


8/31/87

FIGURE UD'-1: AC POWER FAULT TREE FOR NO POWER AT T=3.0 HOURS, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

UNIT 2



9/2/87

FIGURE UD'-1, SHEET 1A

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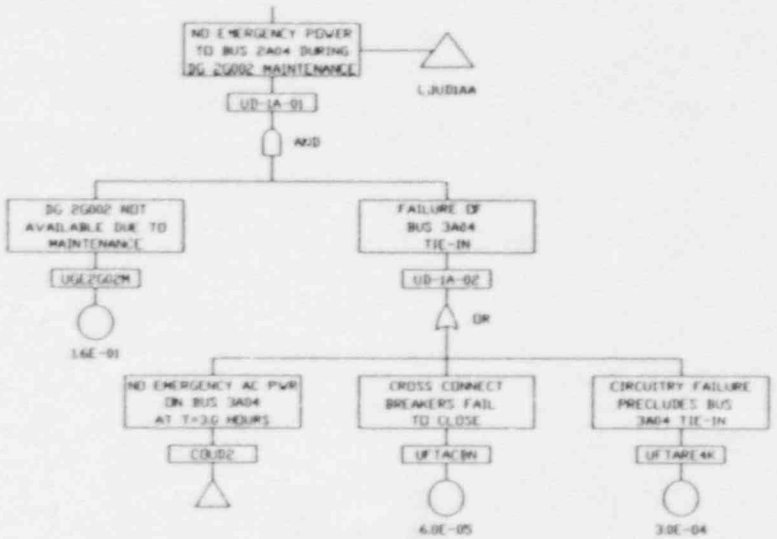

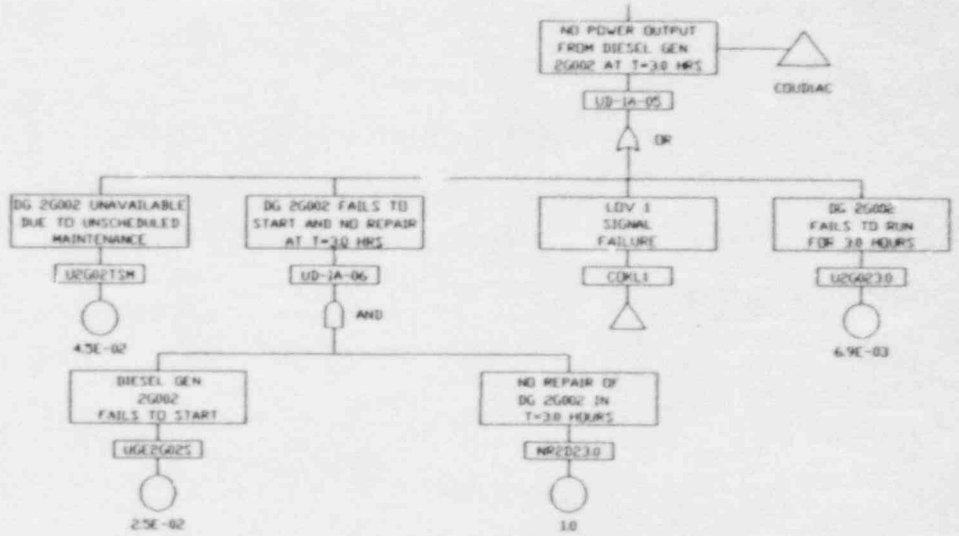

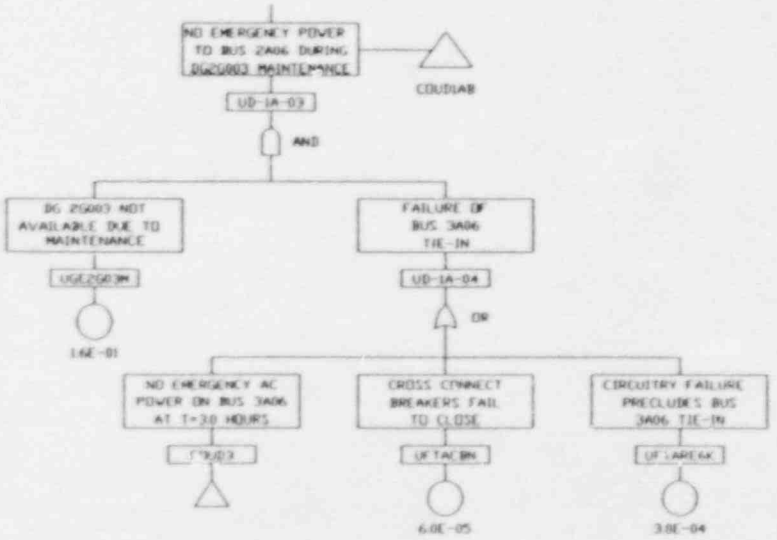

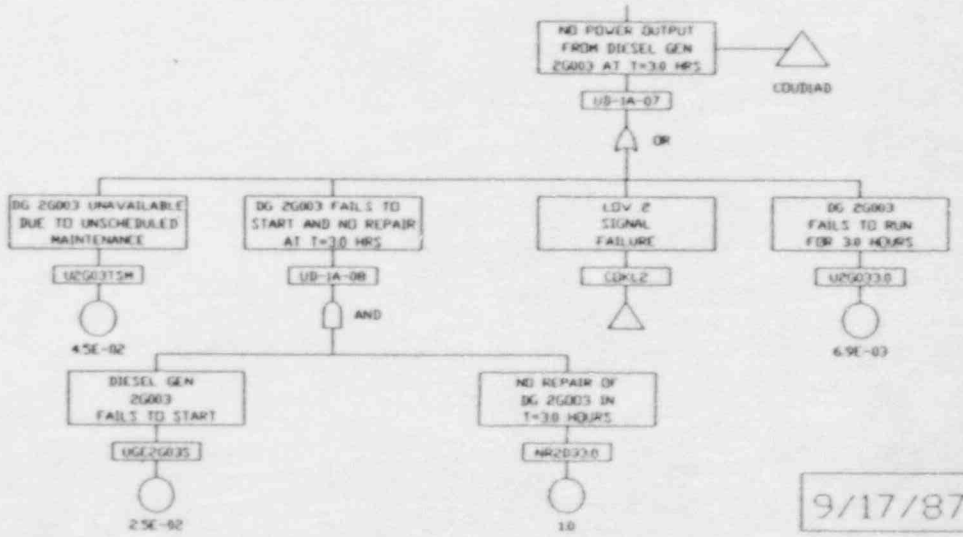

9/17/87

FIGURE UD'-1, SHEET 2

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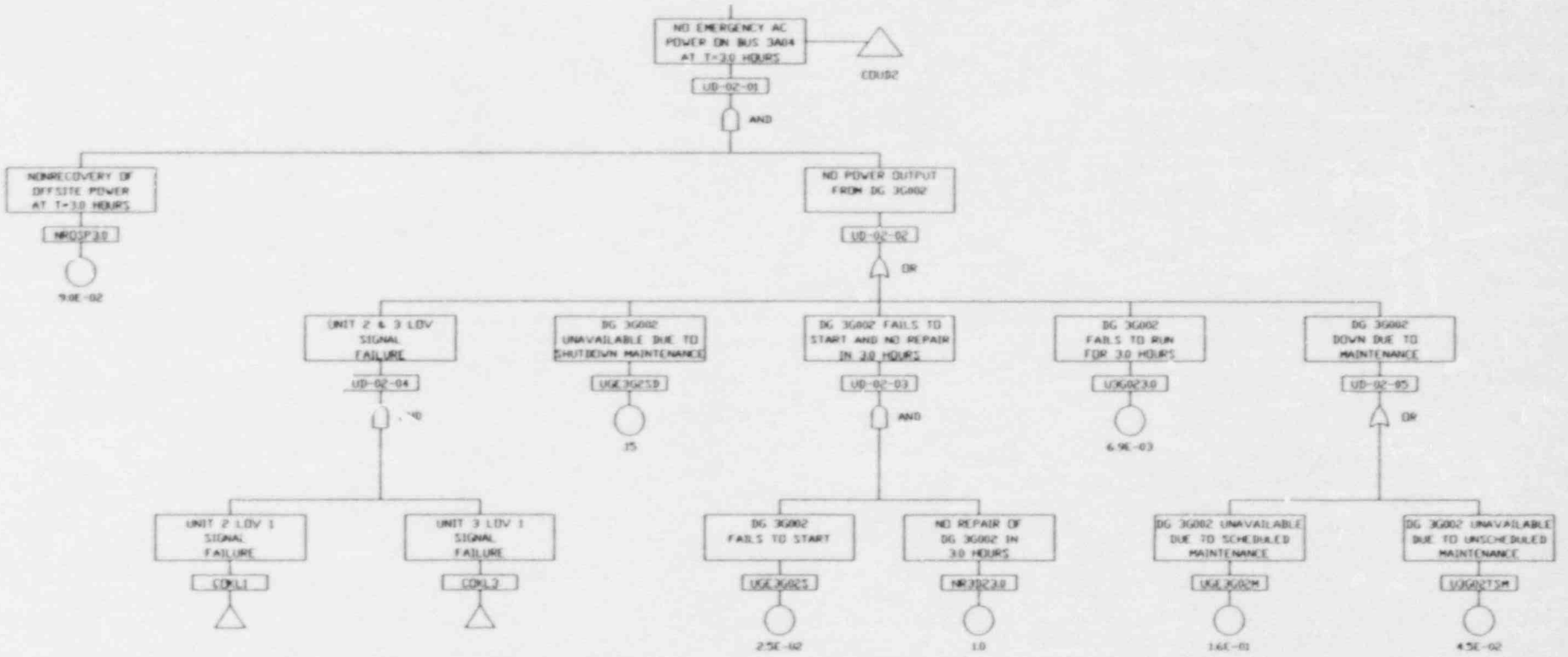

8/31/87

FIGURE UD'-1, SHEET 3

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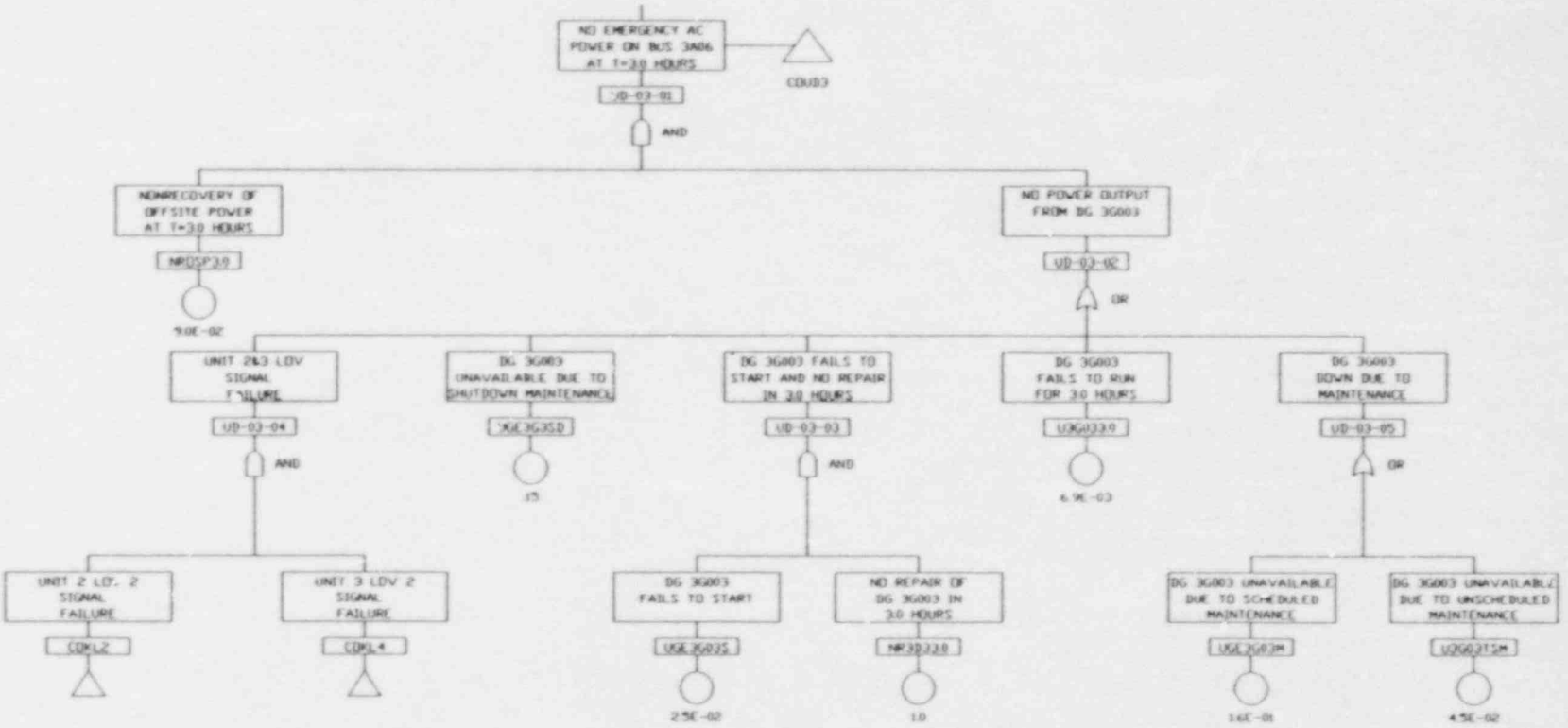
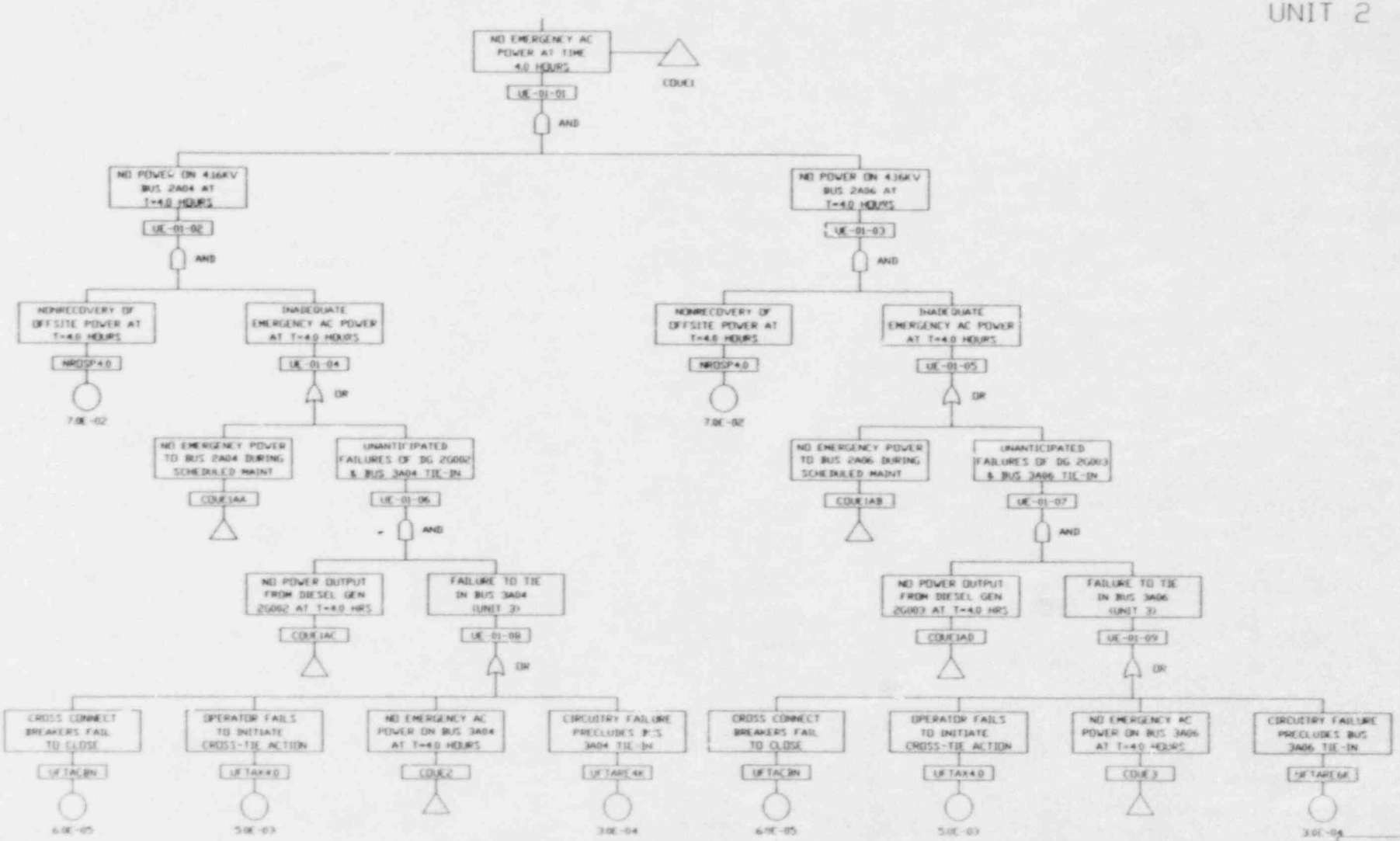


8/31/87

FIGURE UE'-1: AC POWER FAULT TREE FOR NO POWER AT T=4.0 HOURS, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

UNIT 2



9/2/87

FIGURE UE'-1, SHEET 1A

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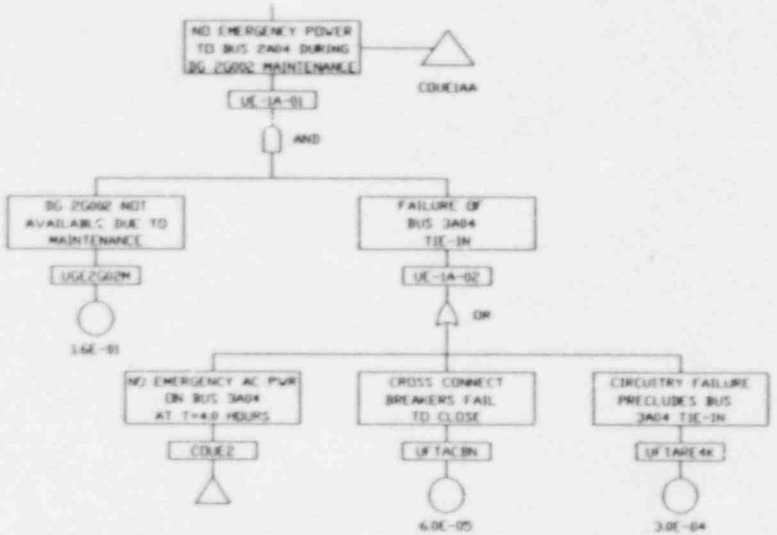

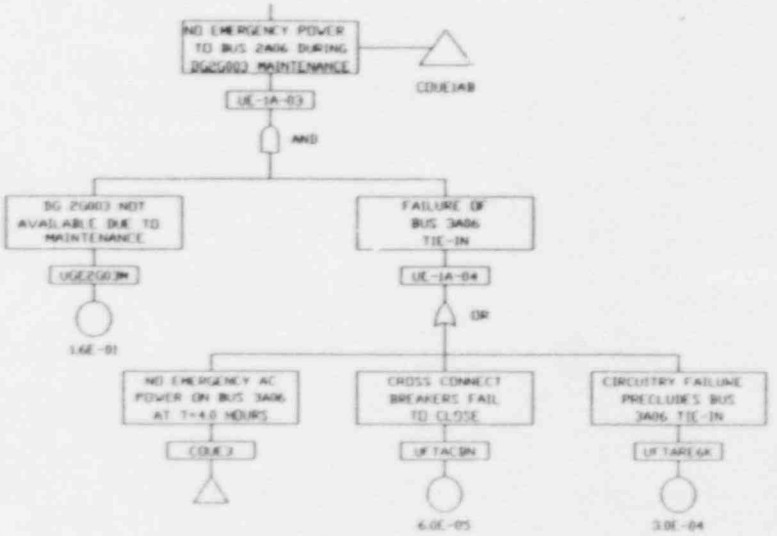

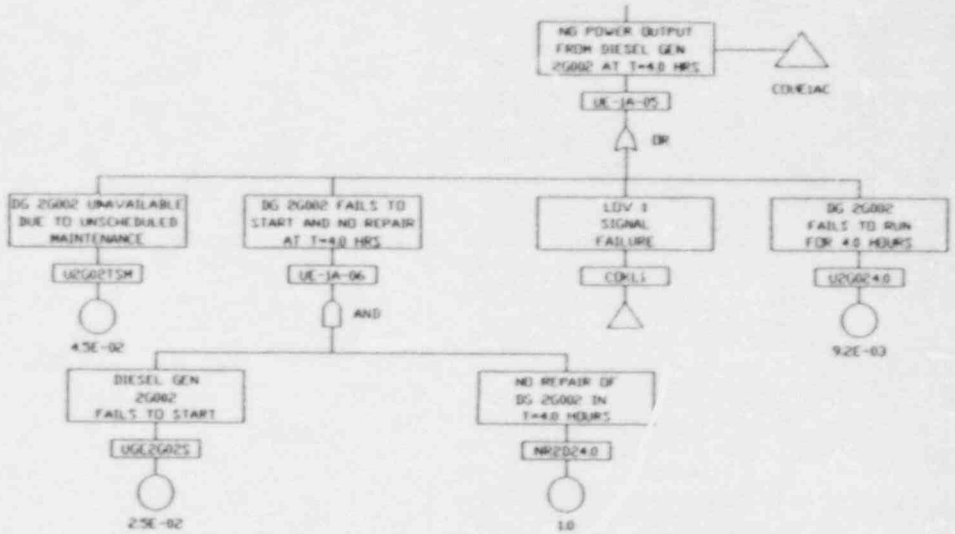

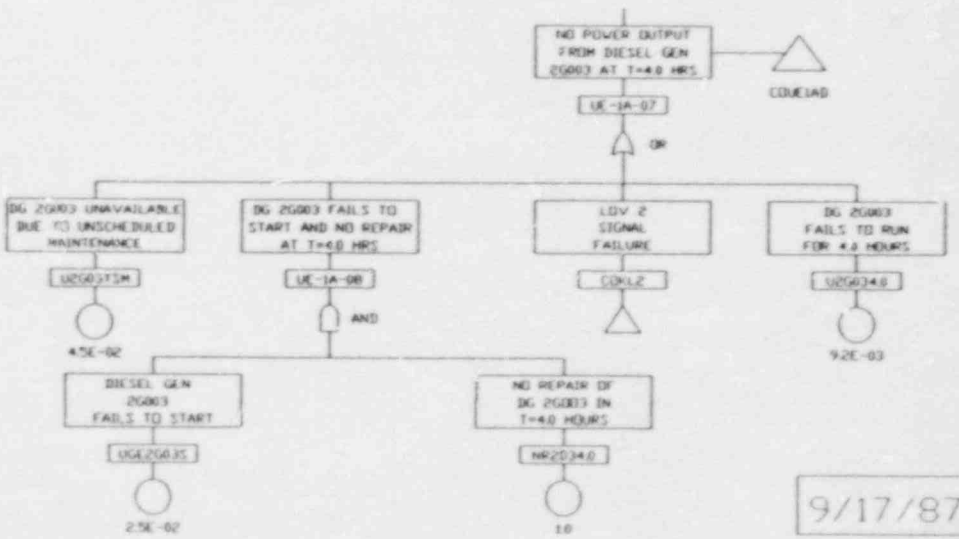

9/17/87

FIGURE UE'-1, SHEET 2

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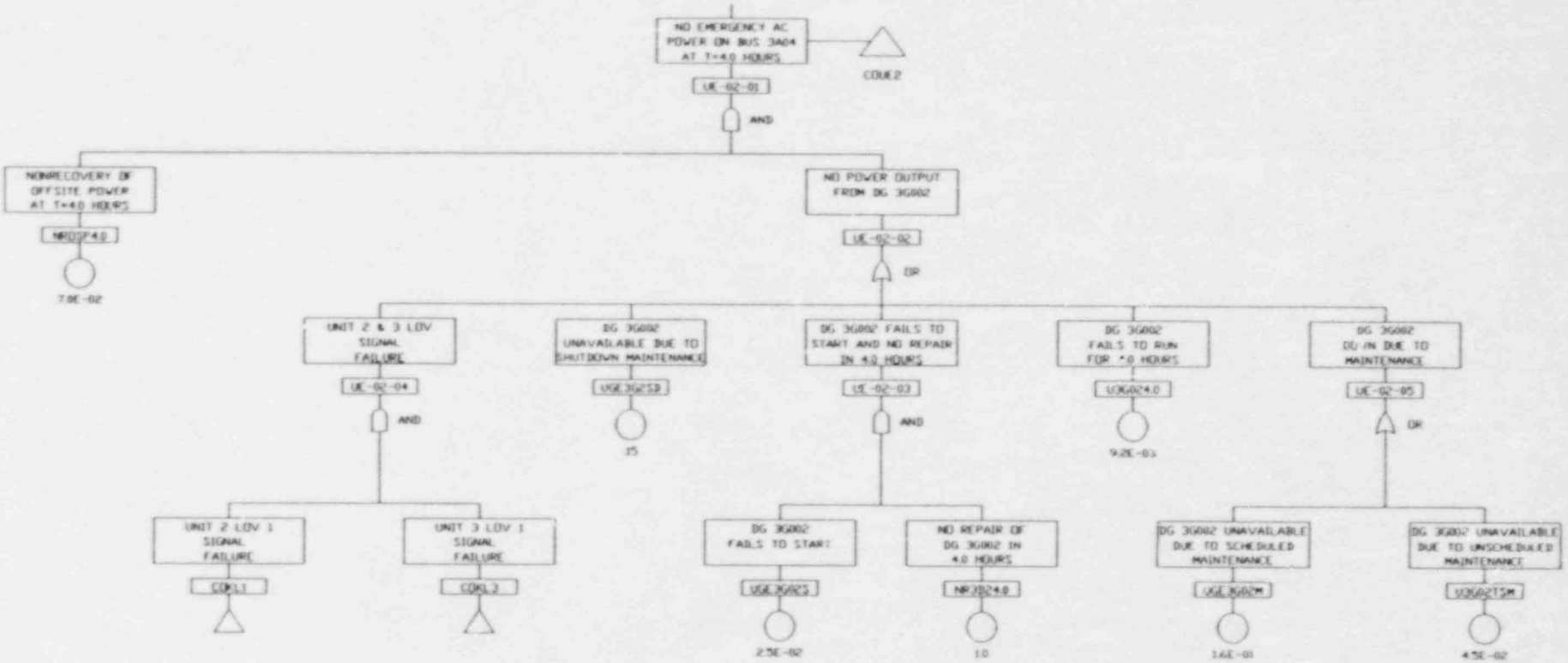
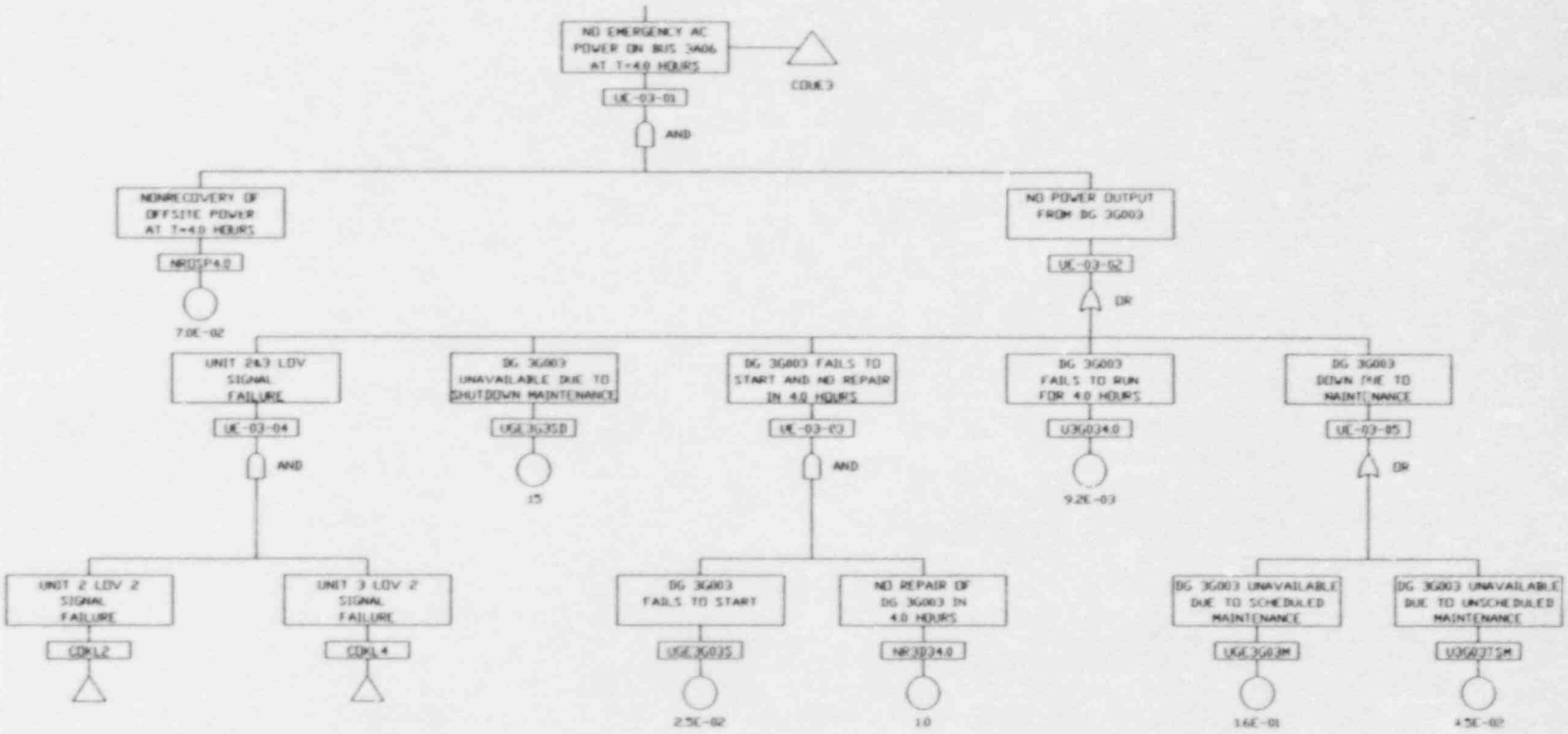


8/31/87

FIGURE UE'-1, SHEET 3

UNIT 2



8/31/87

FIGURE UF'-1: AC POWER FAULT TREE FOR NO POWER AT T=7.5 HOURS, GIVEN LOOP AT T=0 (AUTOMATIC CROSS-TIE)

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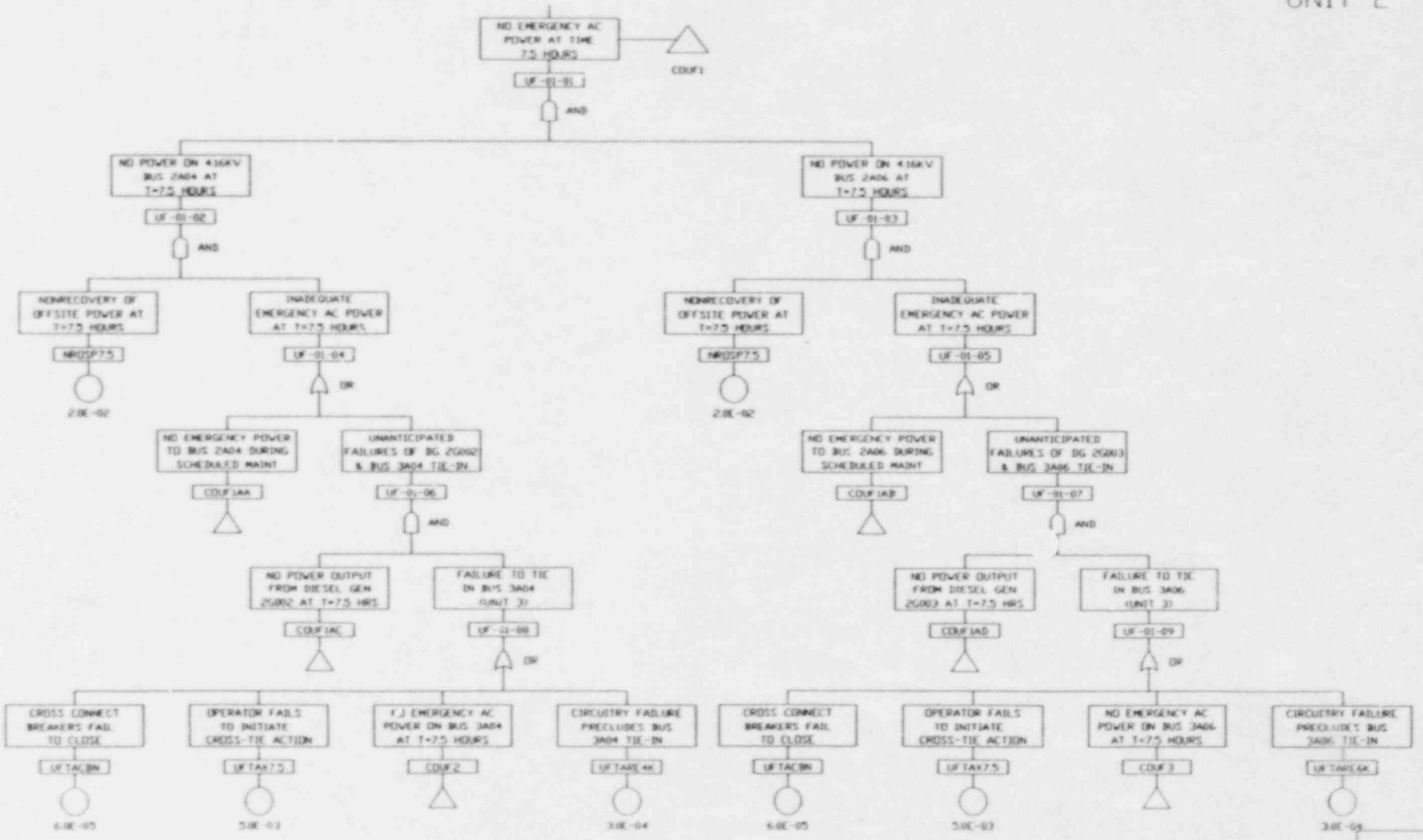

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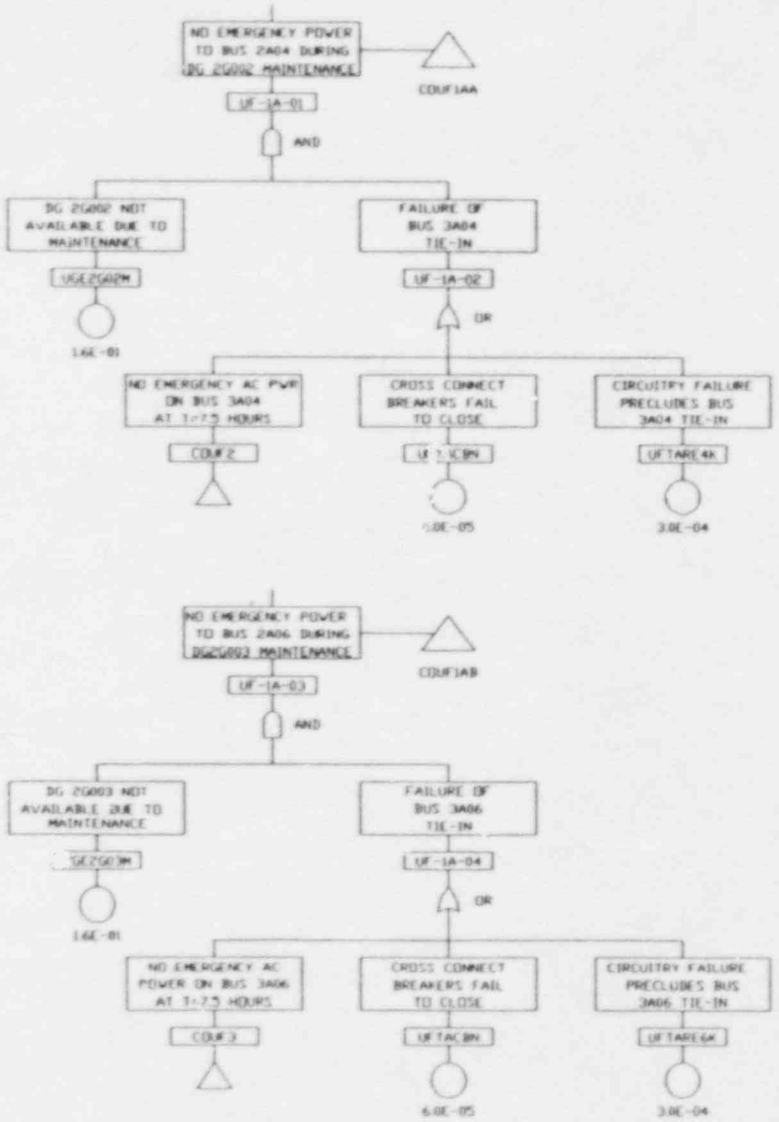
FIGURE UF'-1, SHEET 1A

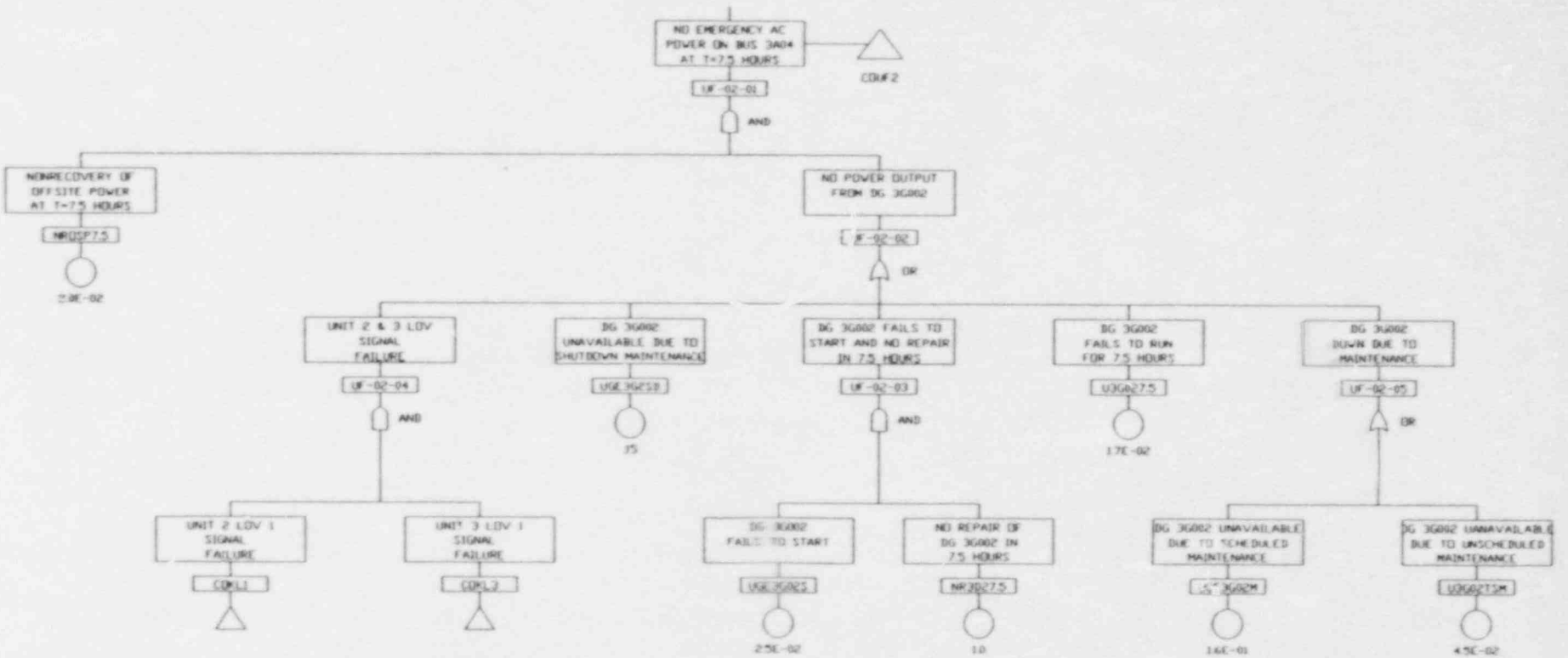
UNIT 2



9/17/87

FIGURE UF'-1, SHEET 2

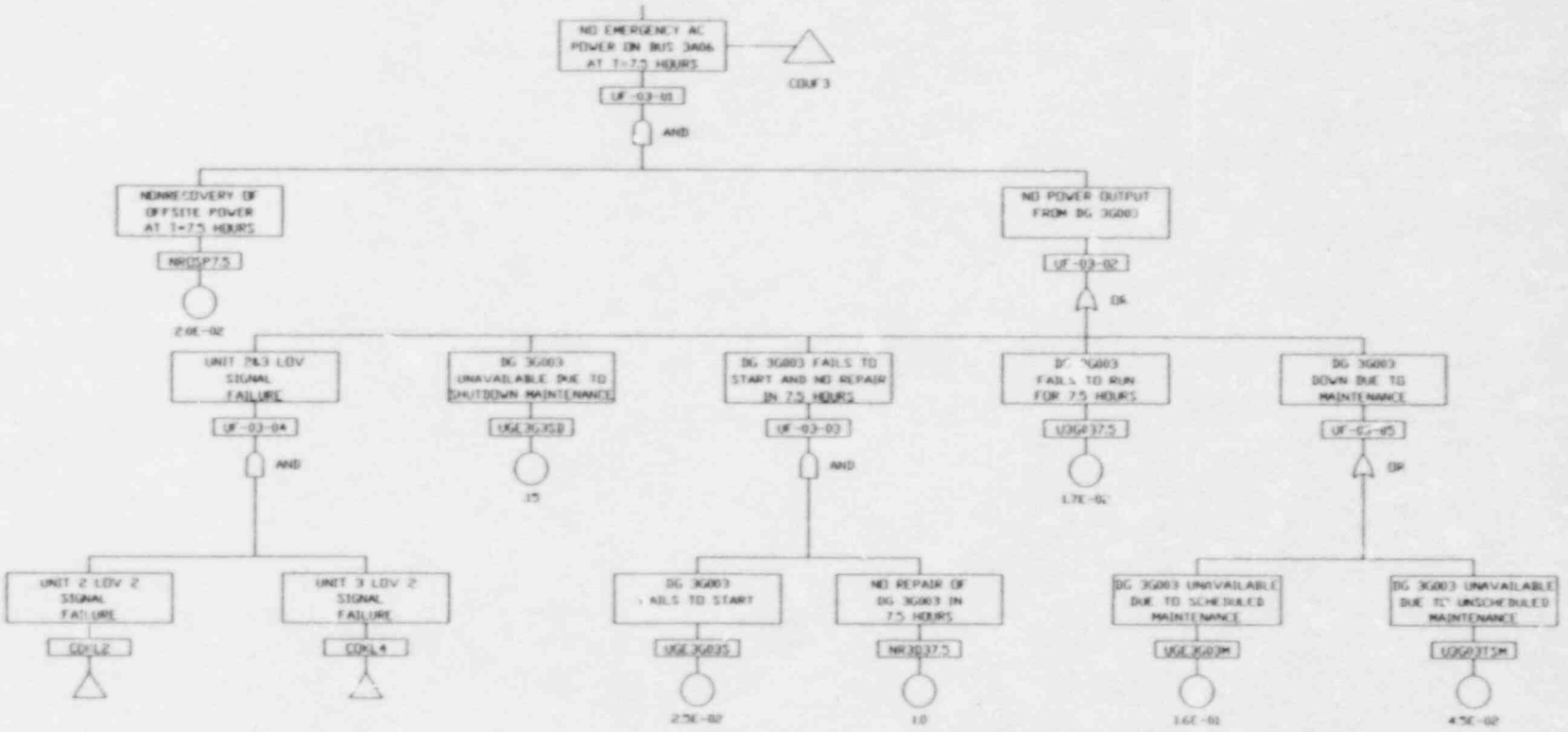
UNIT 2



8/31/87

FIGURE UF'-1, SHEET 3

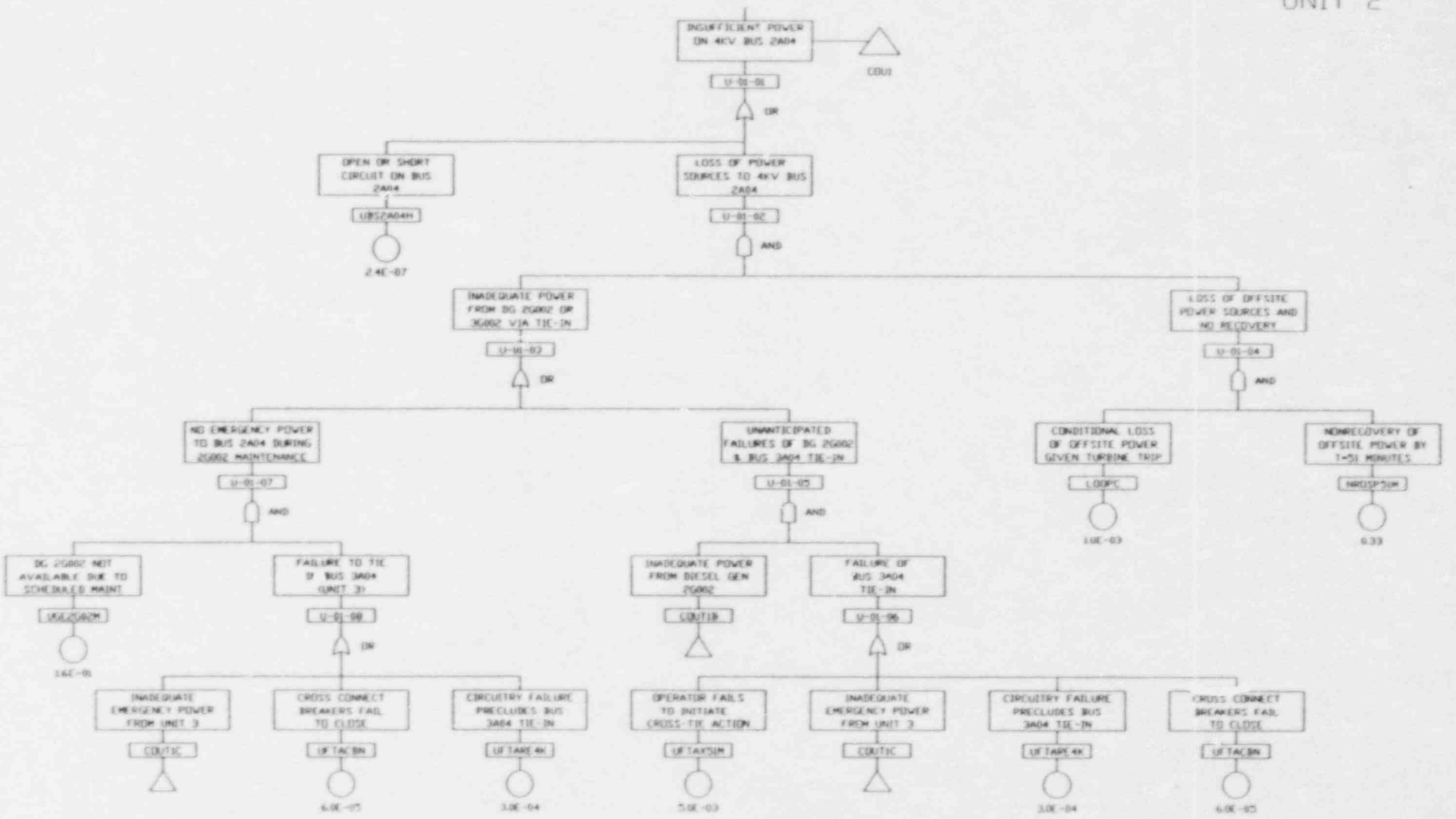
UNIT 2



8/31/87

FIGURE UT'-1: 4160V AC POWER FAULT TREE

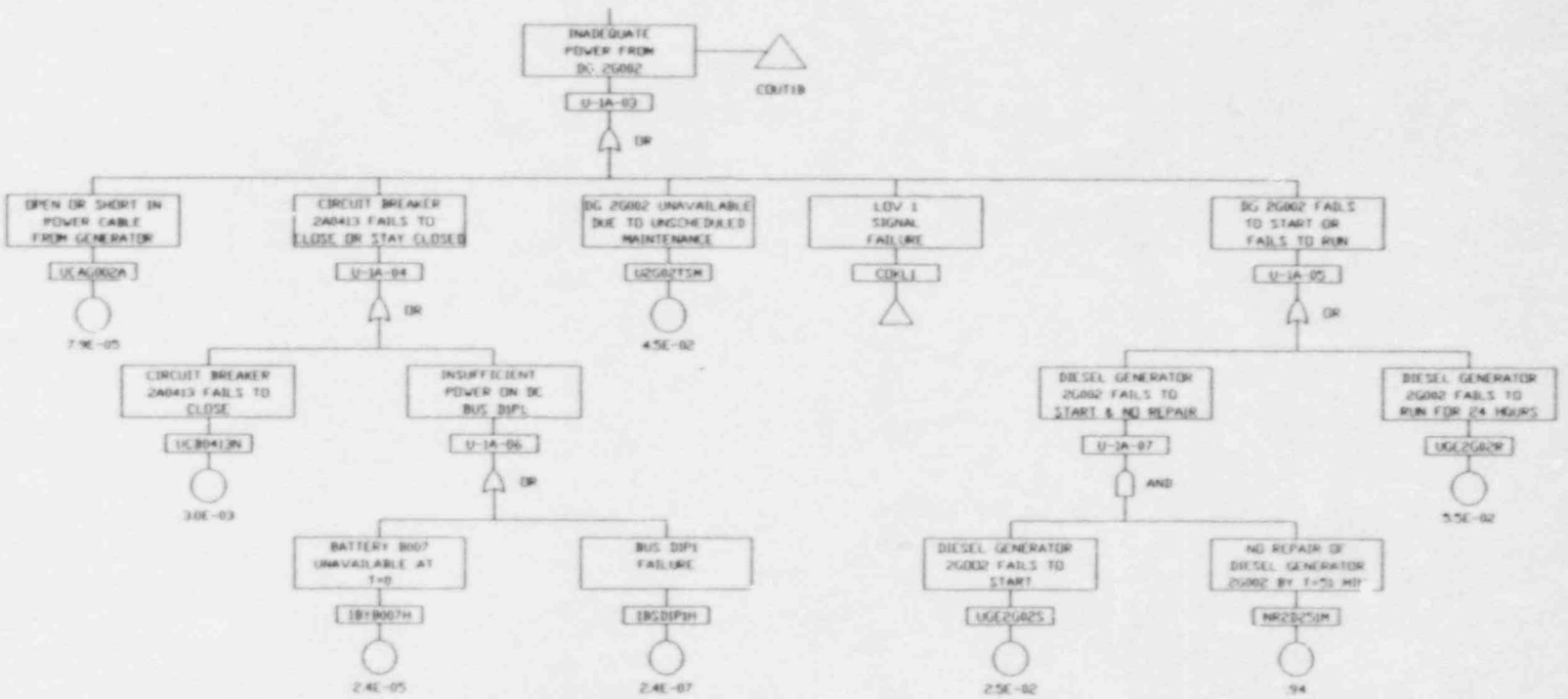
UNIT 2



9/2/87

FIGURE UT'-1, SHEET 1A

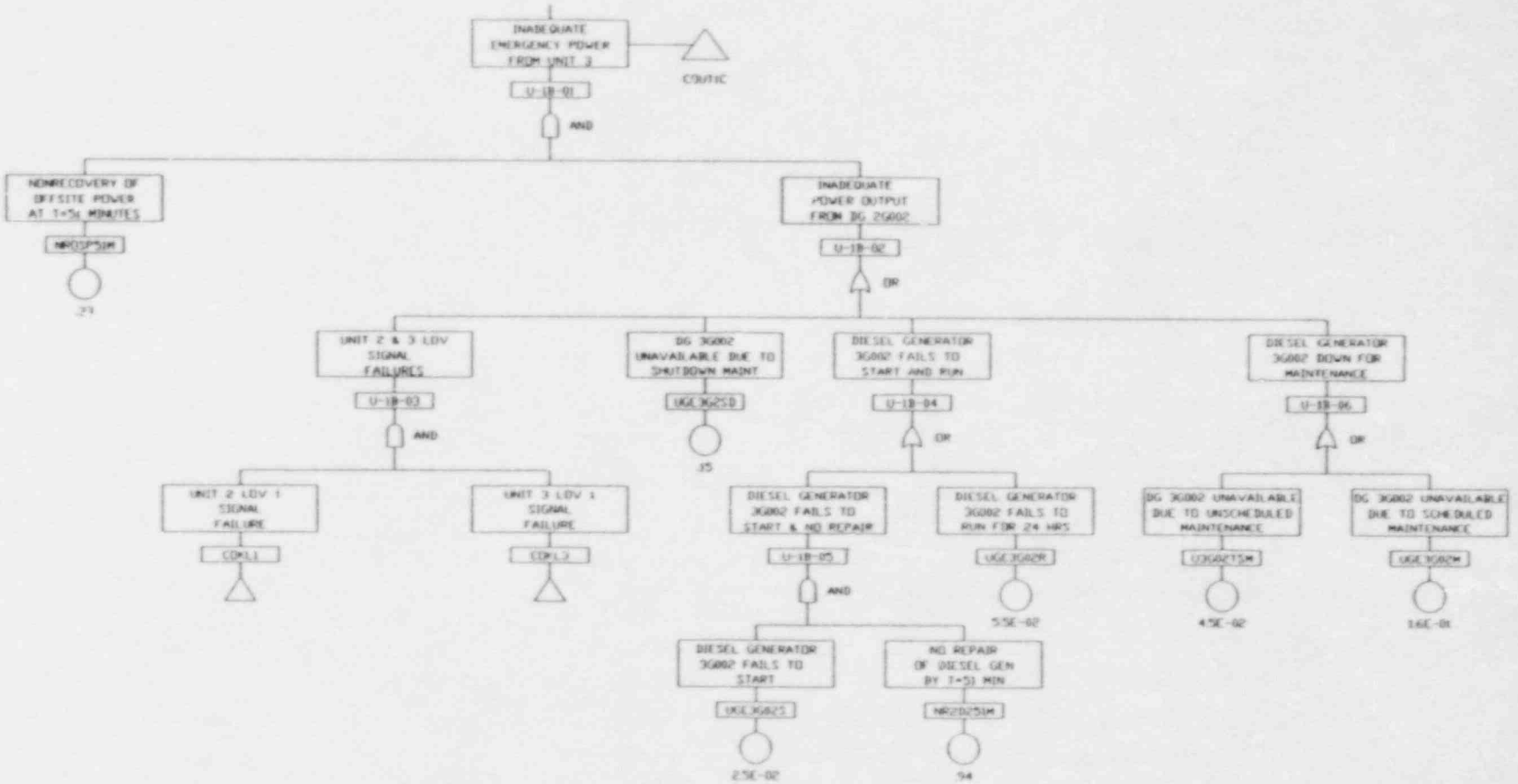
UNIT 2



9/2/87

FIGURE UT'-1, SHEET 1B

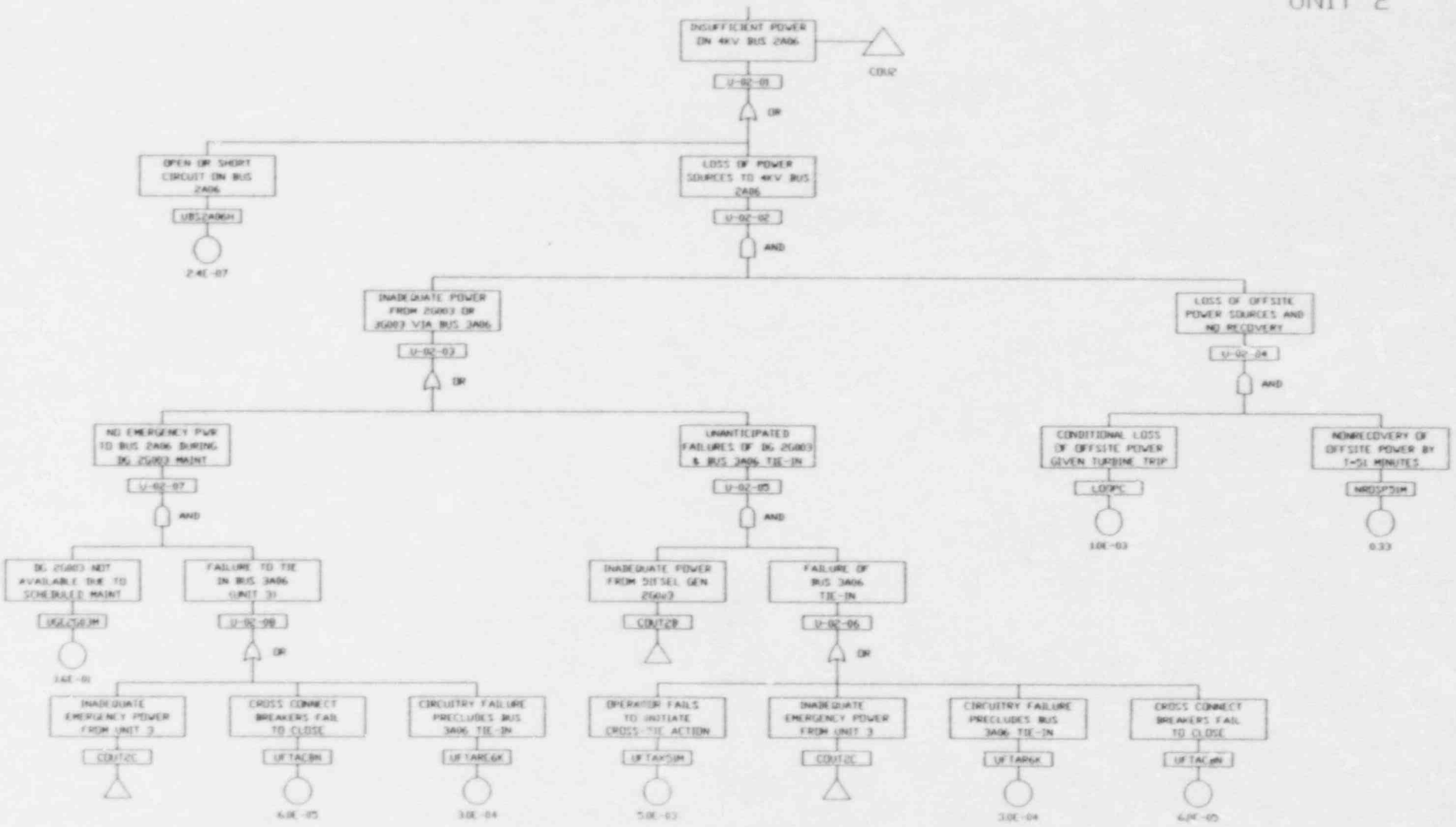
UNIT 2



9/2/87

FIGURE UT'-1, SHEET 2

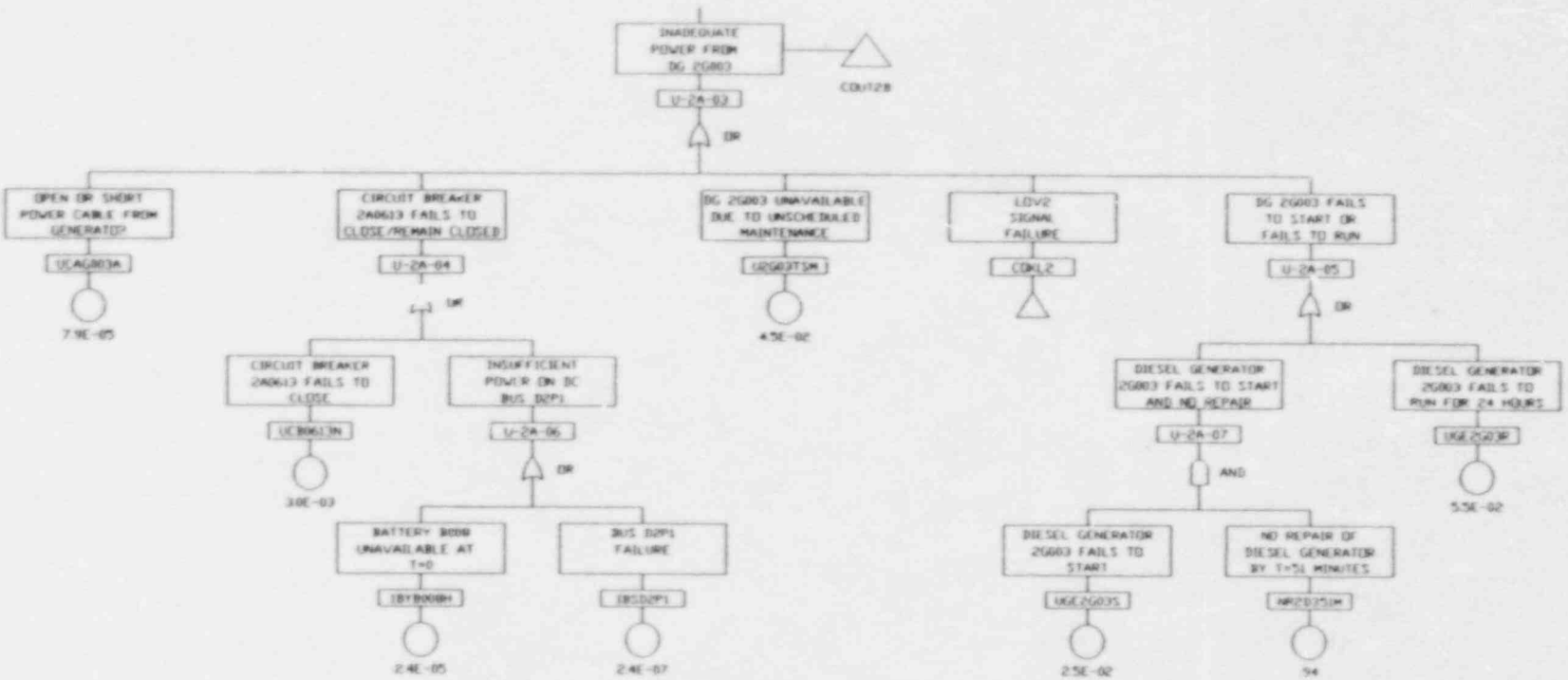
UNIT 2



9/2/87

FIGURE UT'-1, SHEET 2A

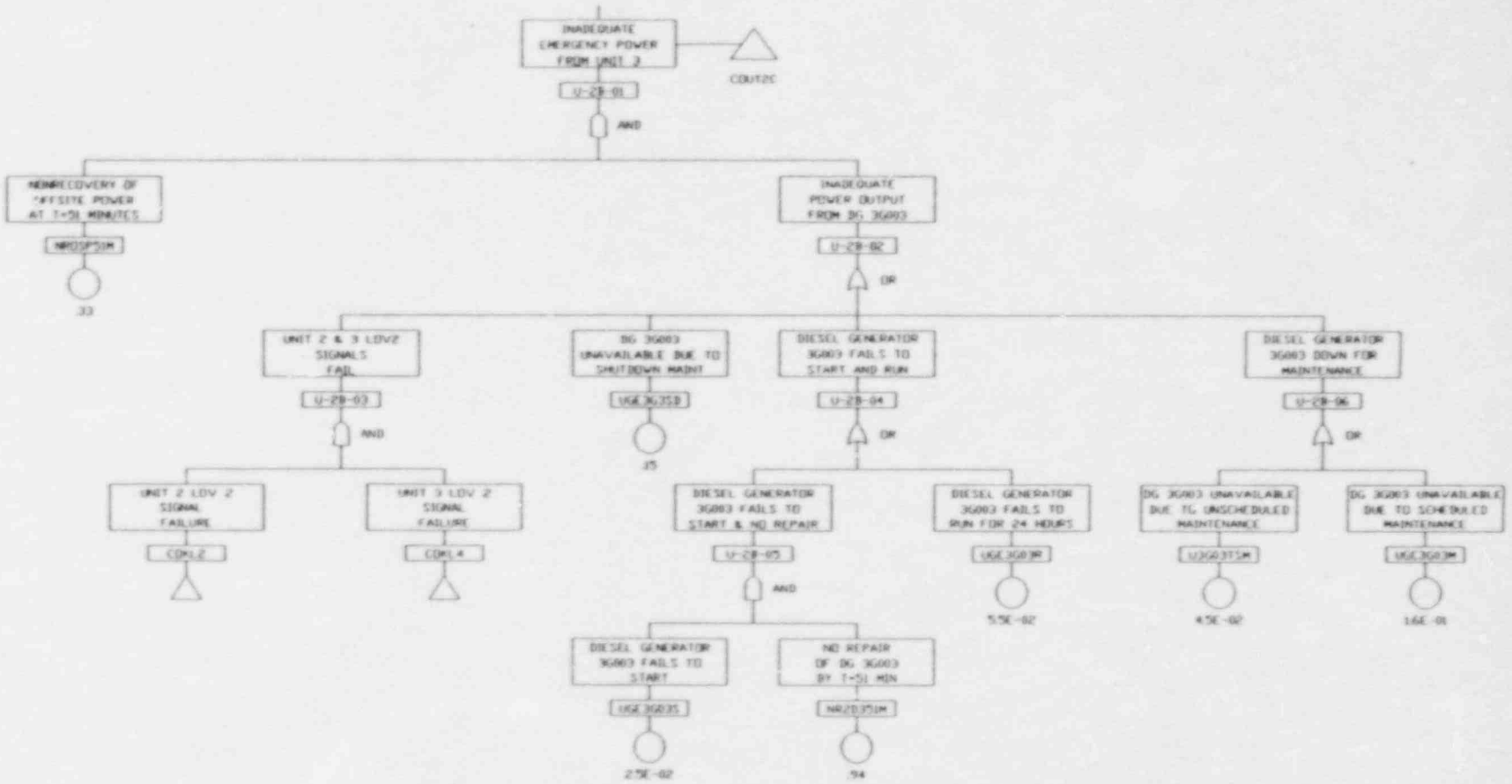
UNIT 2



9/2/87

FIGURE UT'-1, SHEET 2B

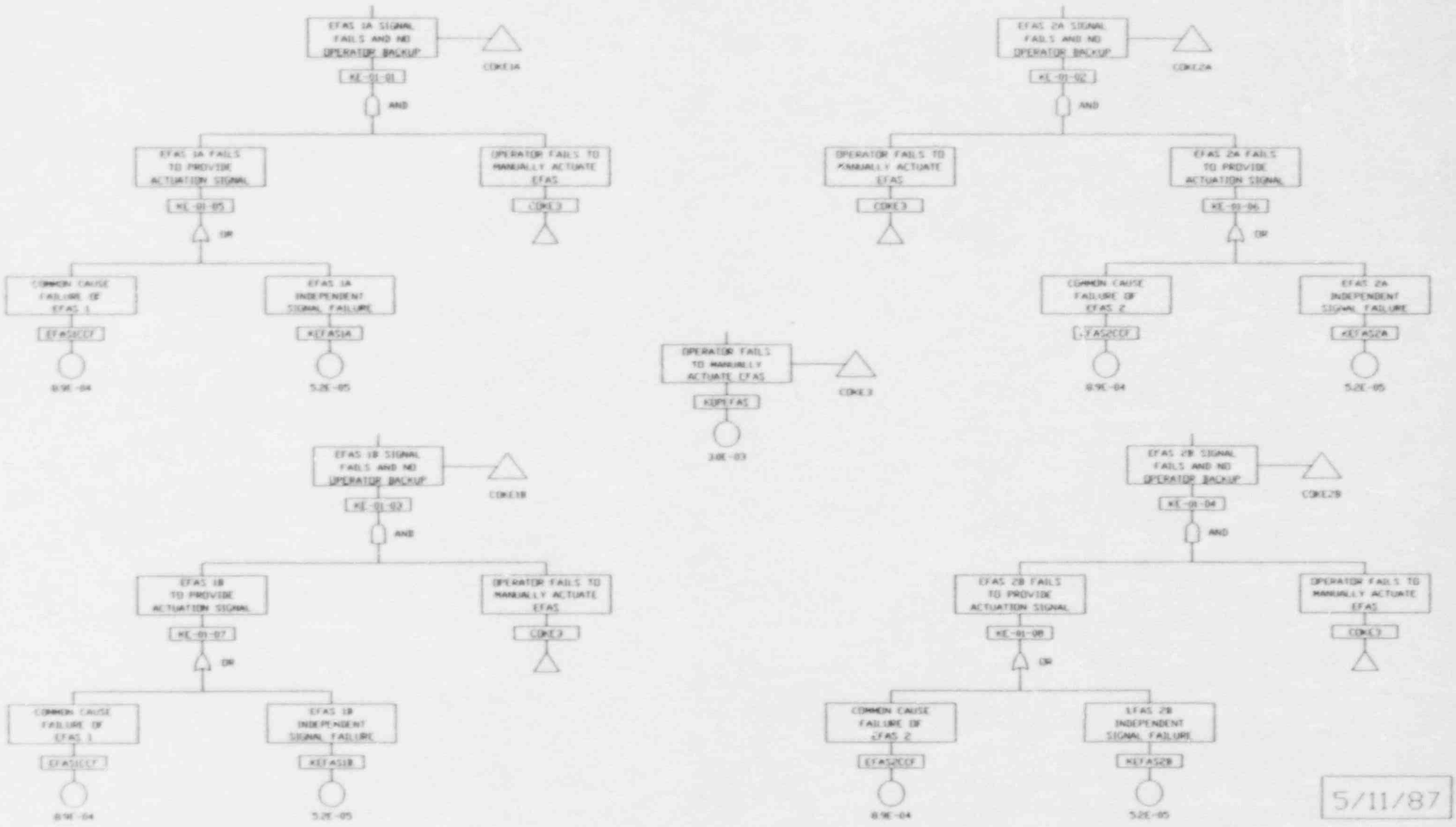
UNIT 2



9/2/87

FIGURE KE-1: EMERGENCY FEED ACTUATION SIGNAL (EFAS) FAULT TREE

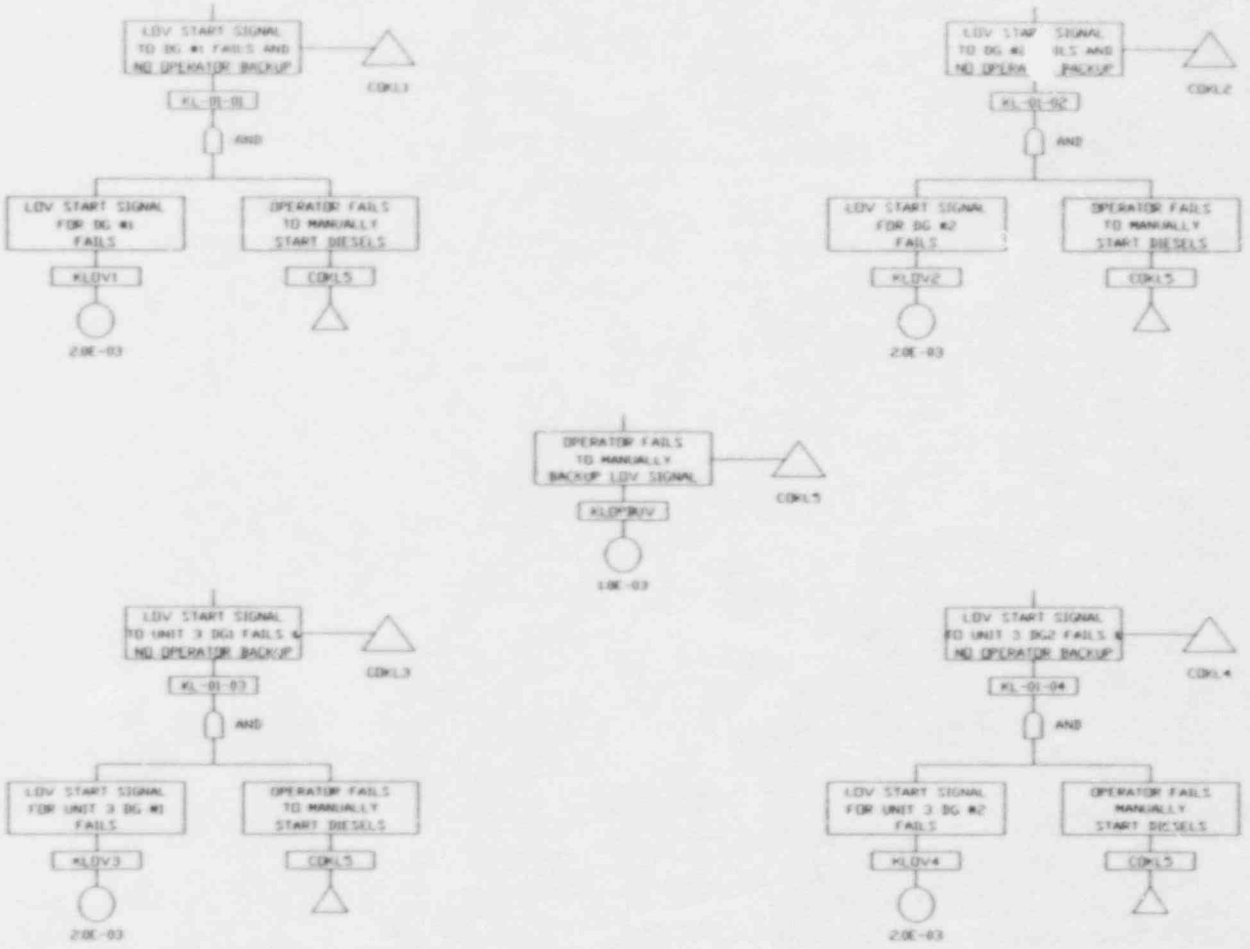
UNIT ?



5/11/87

FIGURE KL-1: LOSS OF VOLTAGE SIGNAL FAULT TREE

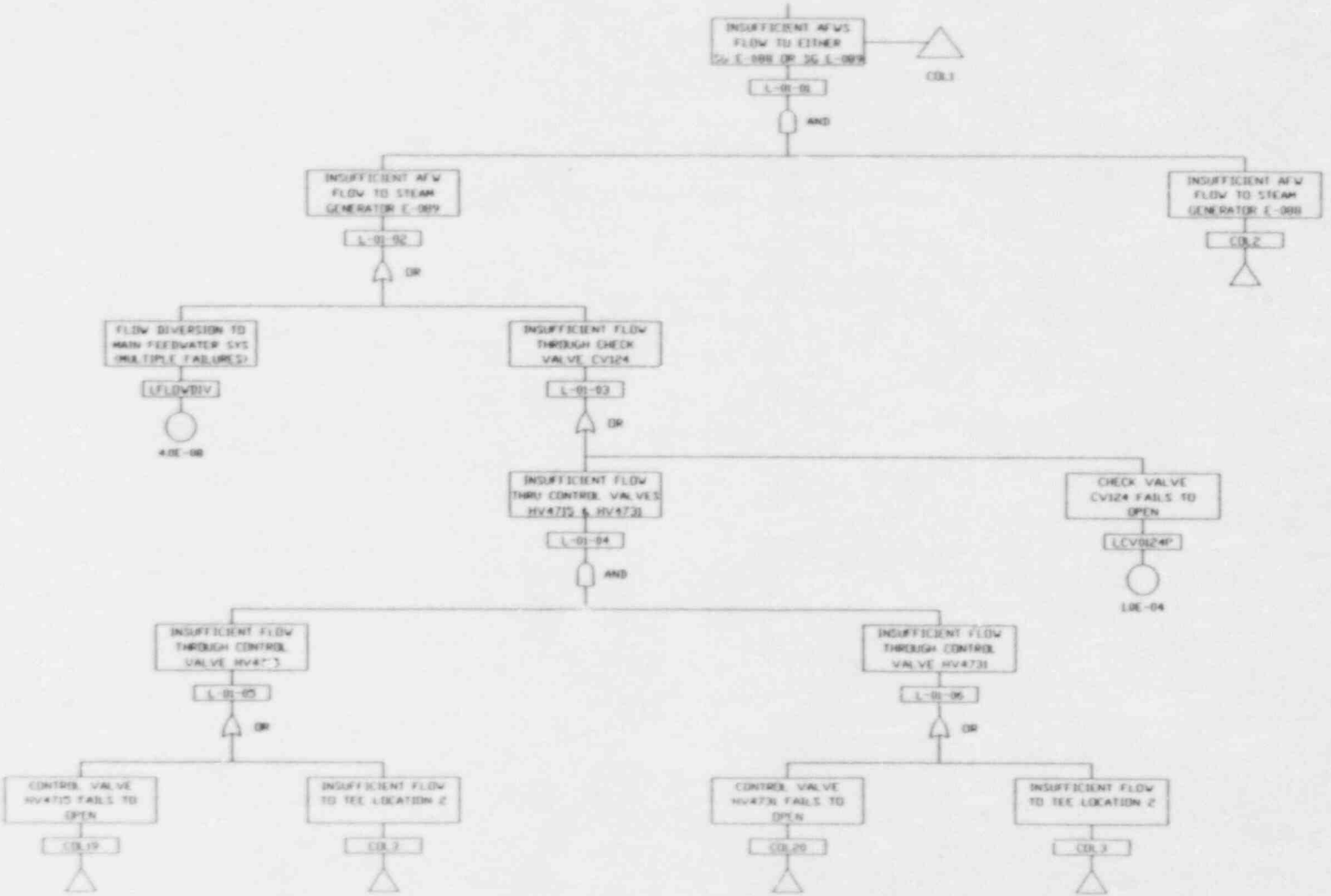
UNIT 2



6/3/87

FIGURE L-1: AUXILIARY FEEDWATER SYSTEM FAULT TREE

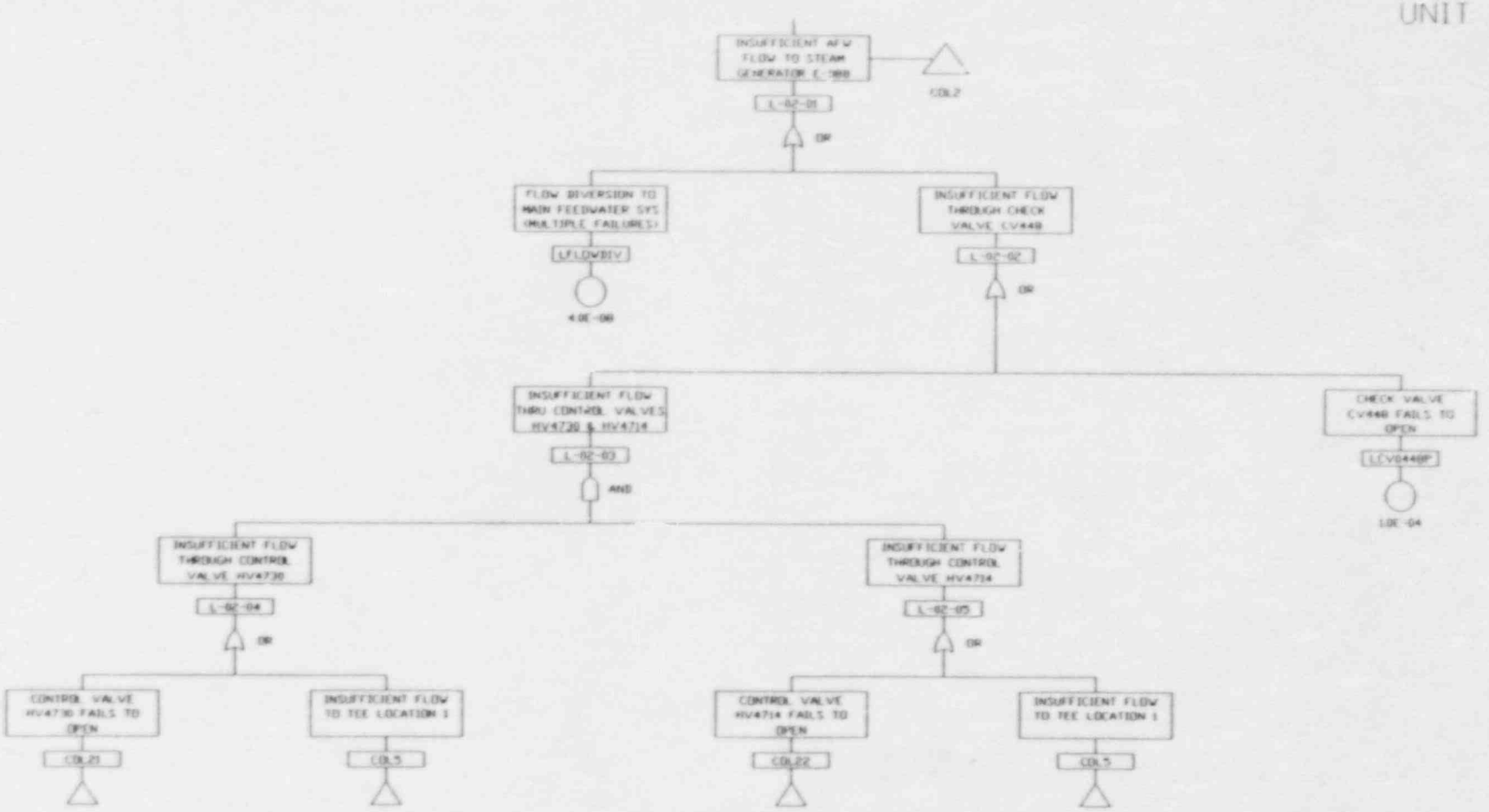
UNIT 2



12/17/86

FIGURE L-1, SHEET 2

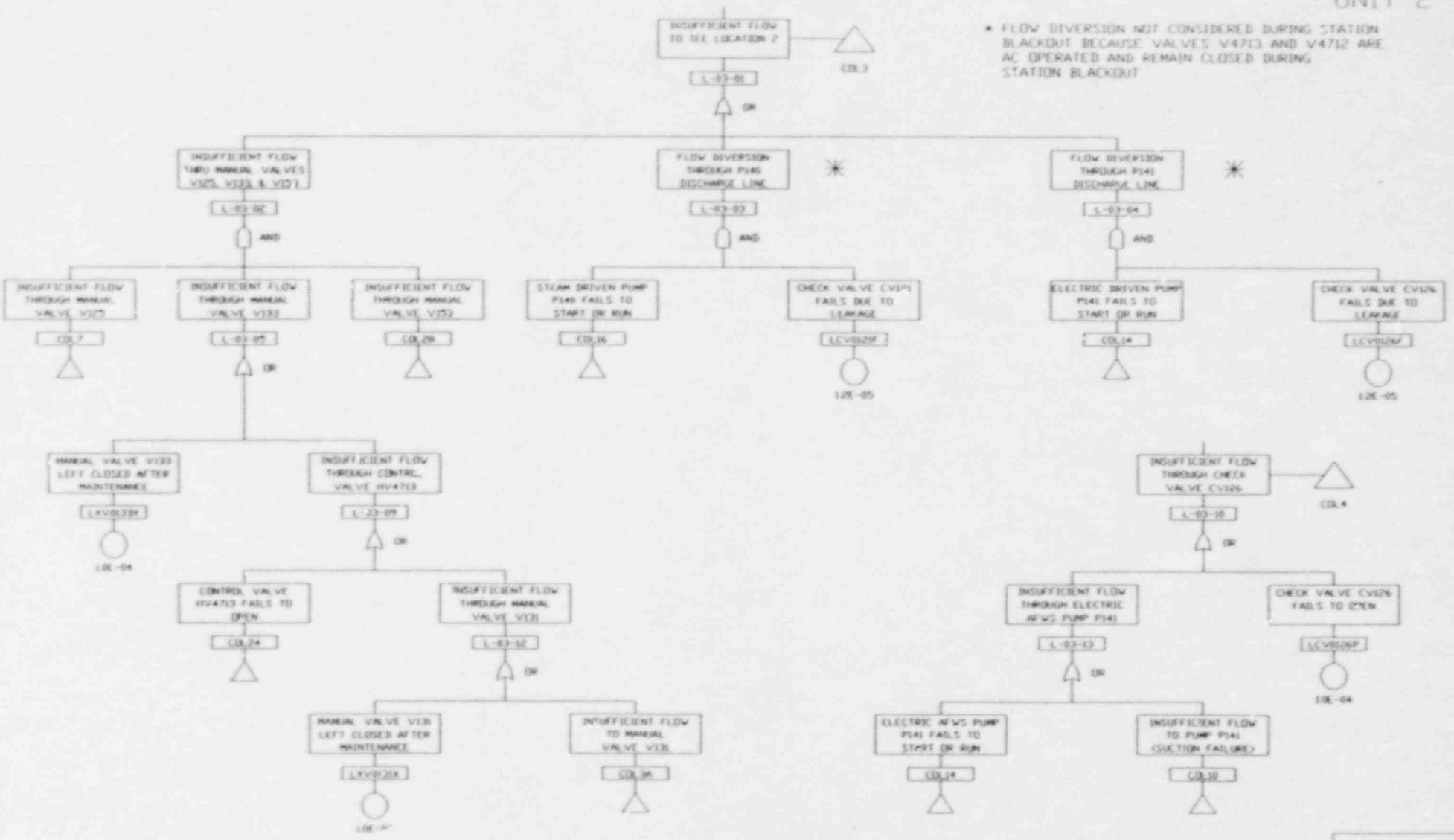
UNIT 2



12/17/86

FIGURE L-1, SHEET 3

UNIT 2

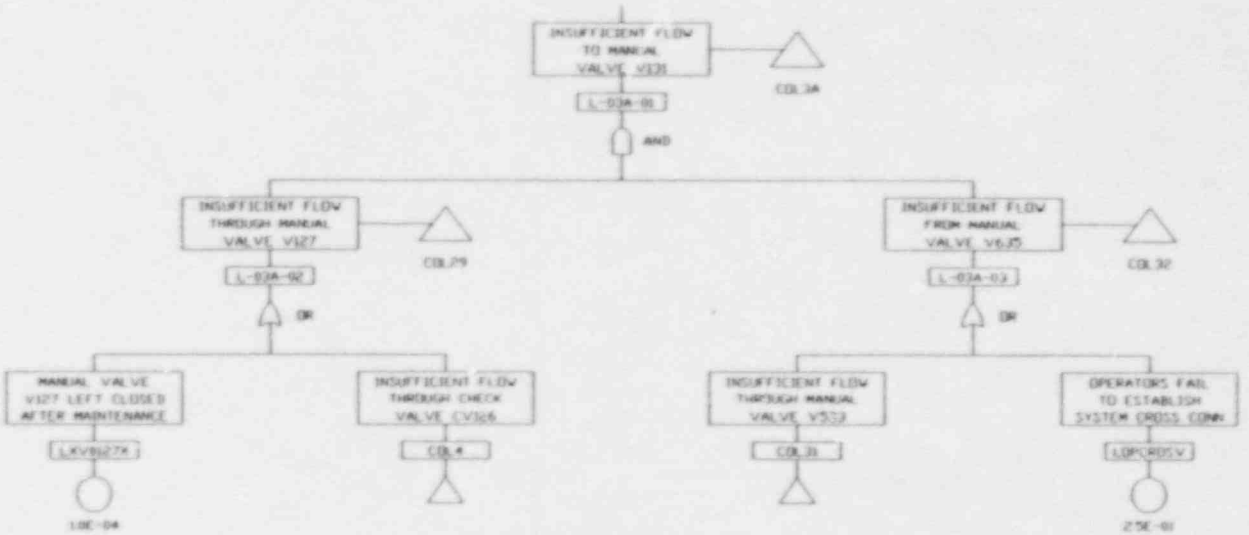


* FLOW DIVERSION NOT CONSIDERED DURING STATION BLACKOUT BECAUSE VALVES V4713 AND V4712 ARE AC OPERATED AND REMAIN CLOSED DURING STATION BLACKOUT

12/17/86

FIGURE L-1, SHEET 3A

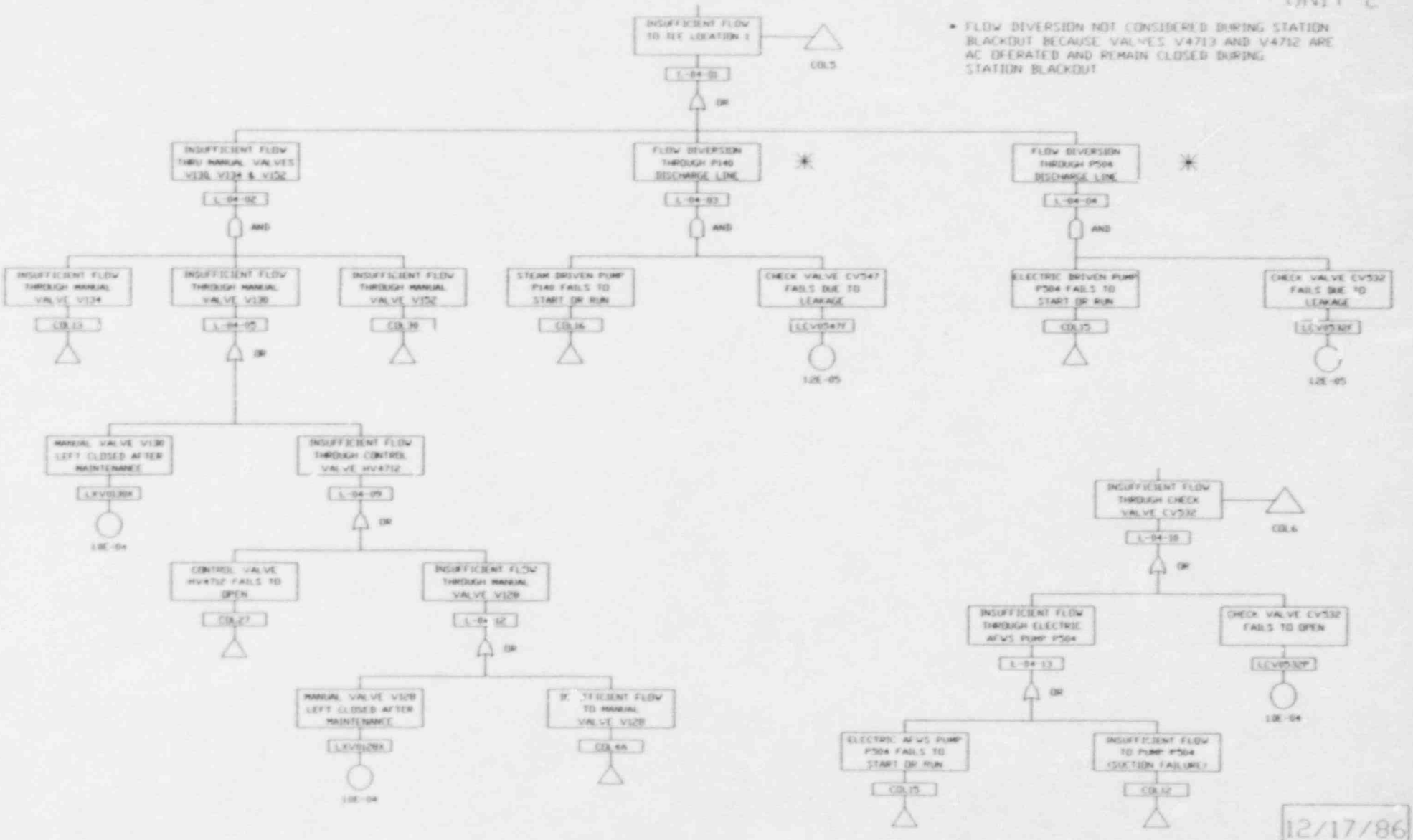
UNIT 2



6/3/87

FIGURE L-1, SHEET 4

UNIT 2

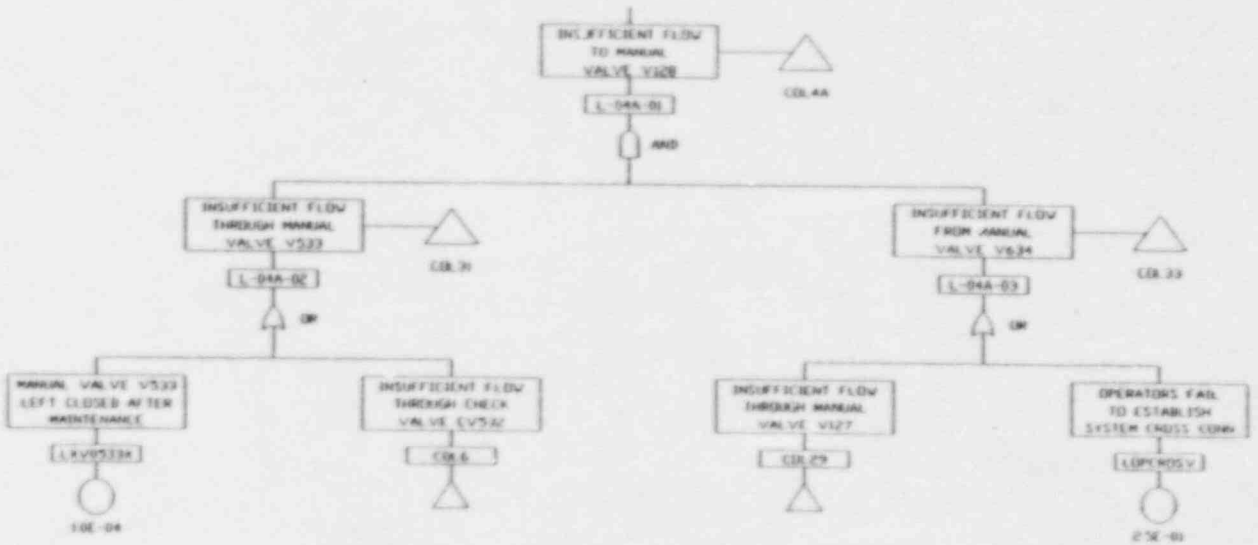


* FLOW DIVERSION NOT CONSIDERED DURING STATION BLACKOUT BECAUSE VALVES V4713 AND V4712 ARE AC OPERATED AND REMAIN CLOSED DURING STATION BLACKOUT

12/17/86

FIGURE L-1, SHEET 4A

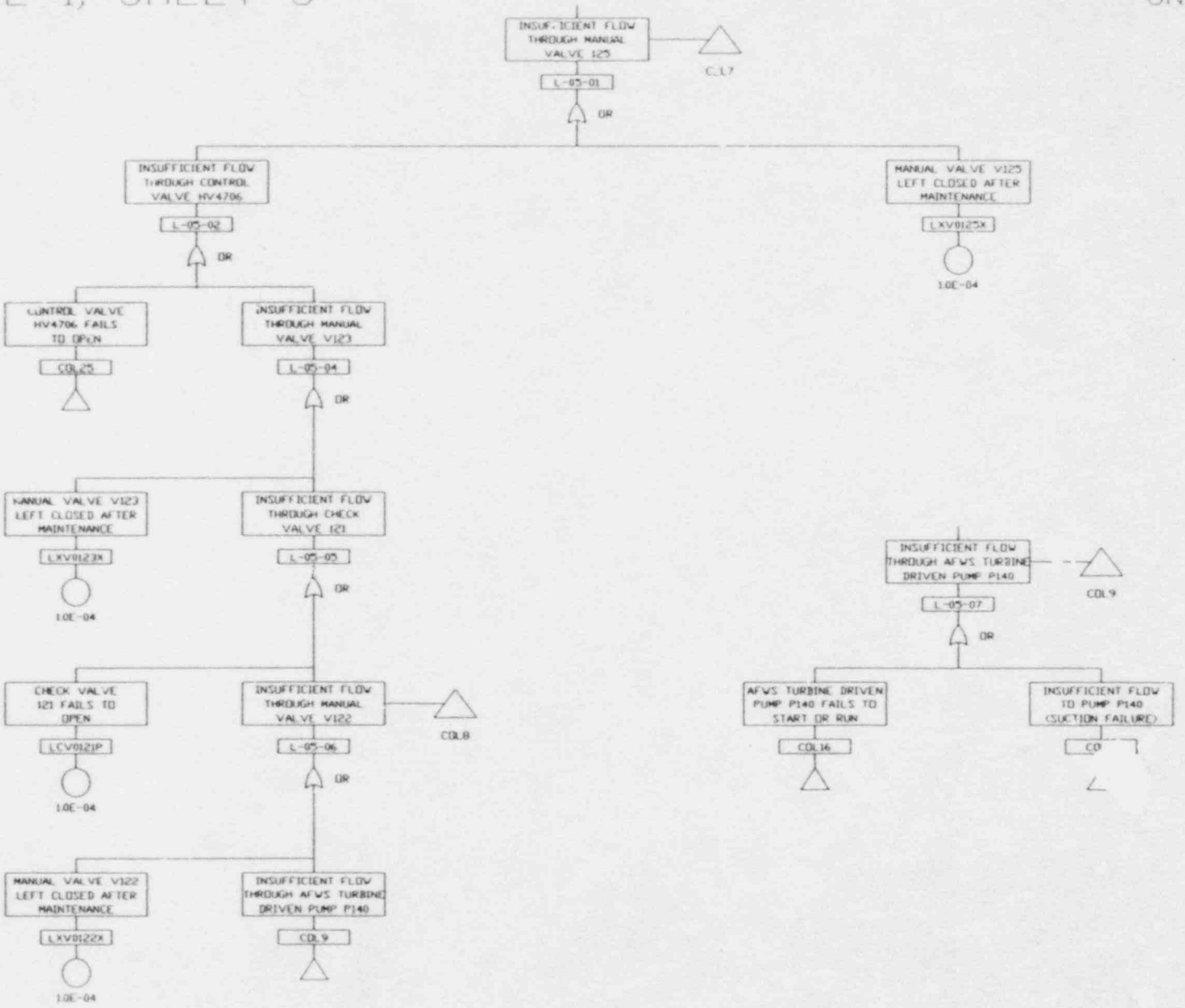
UNIT 2



8/26/87

FIGURE L-1, SHEET 5

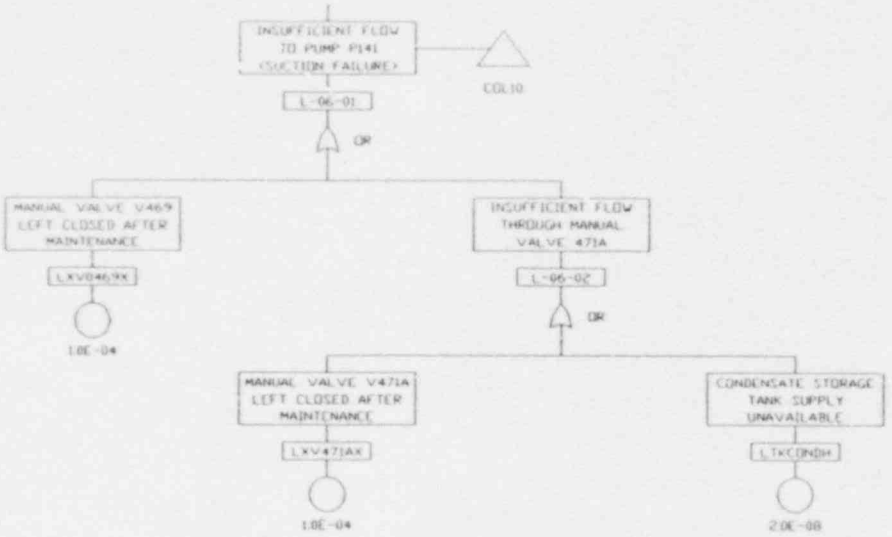
UNIT 2

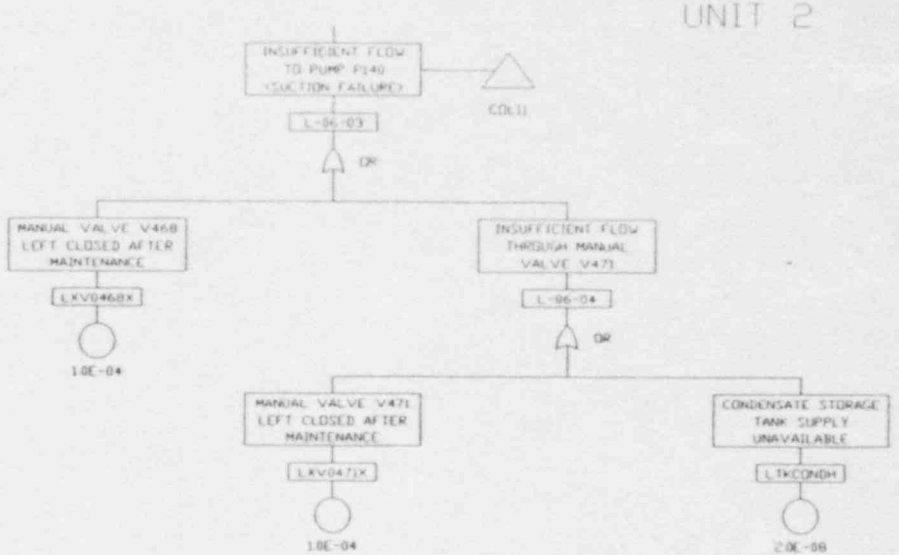


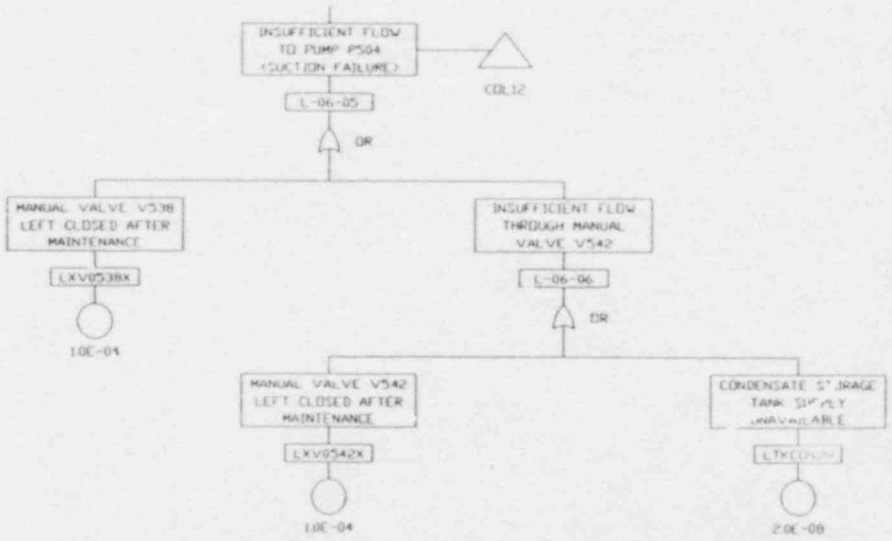
4/25/87

FIGURE L-1, SHEET 6

UNIT 2



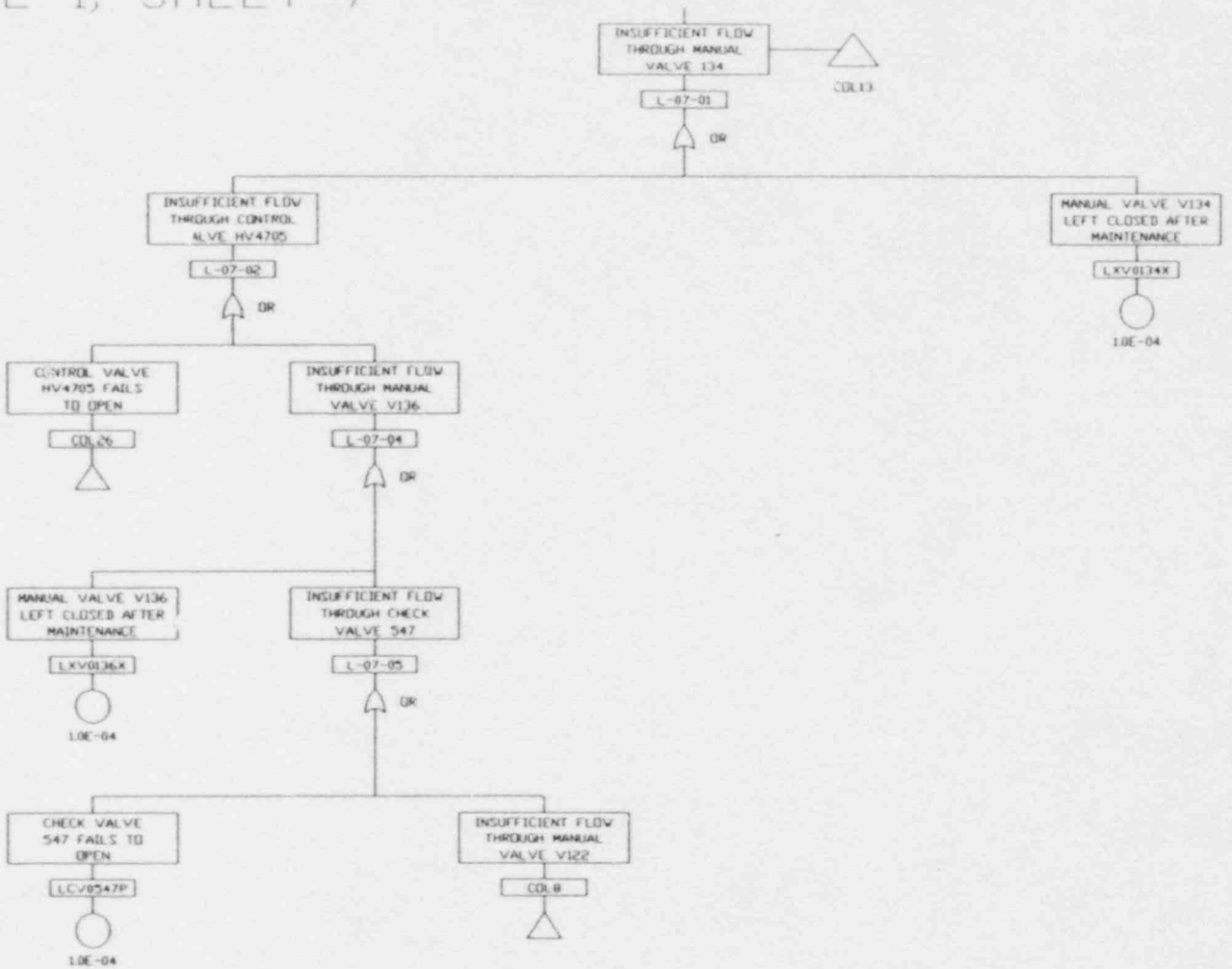




12/17/86

FIGURE L-1, SHEET 7

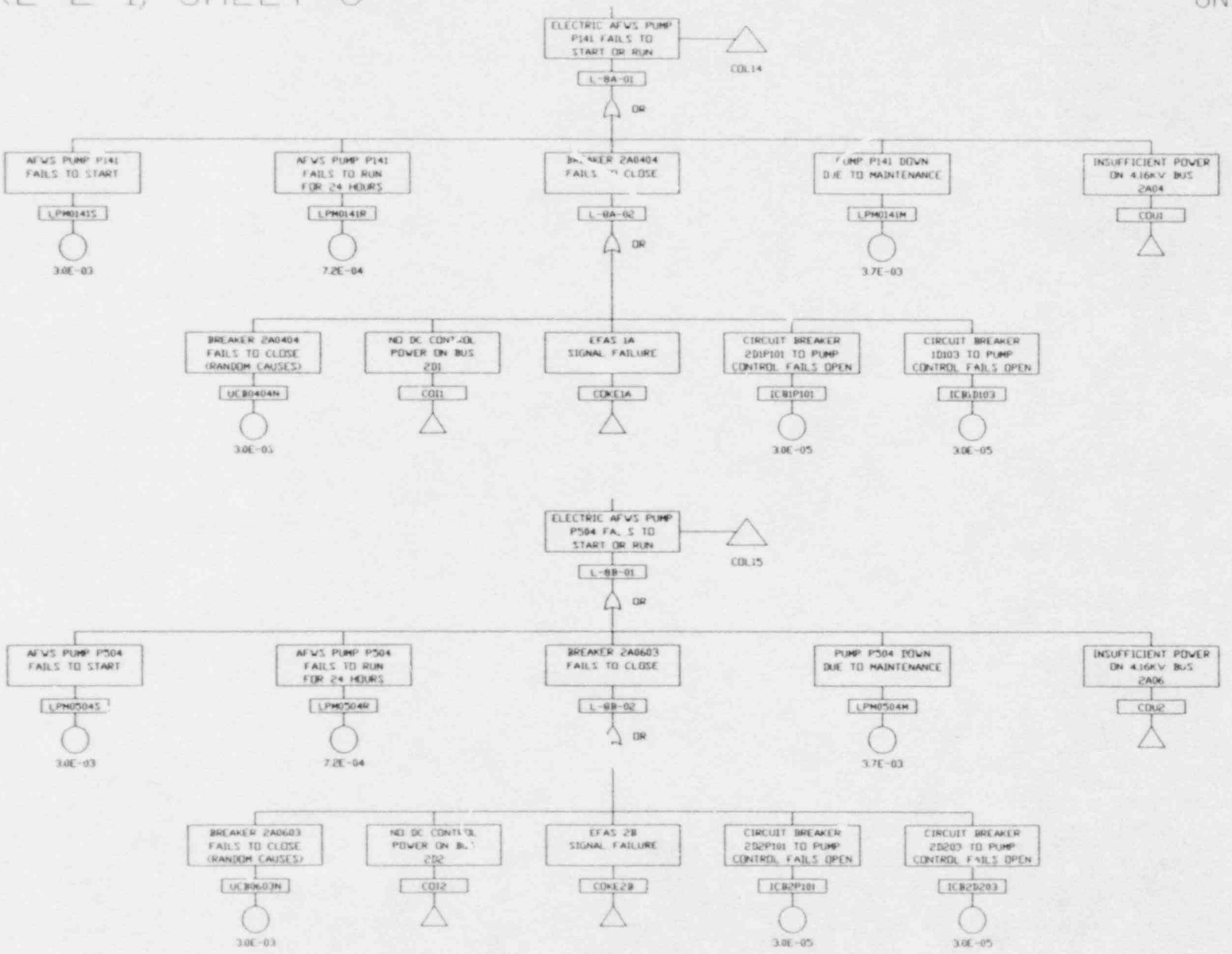
UNIT 2



4/25/87

FIGURE L-1, SHEET 8

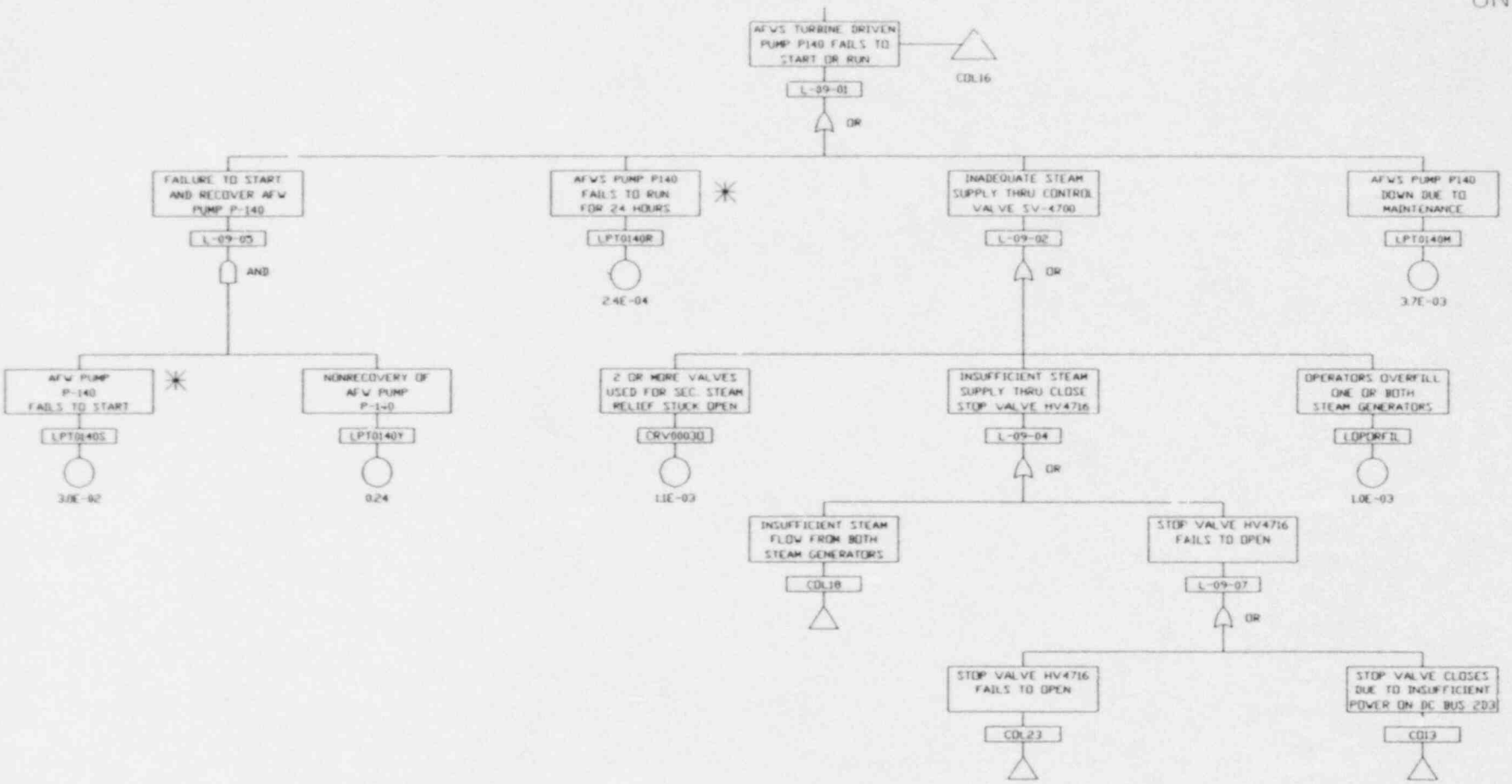
UNIT 2



4/25/81

FIGURE L-1, SHEET 9

UNIT 2

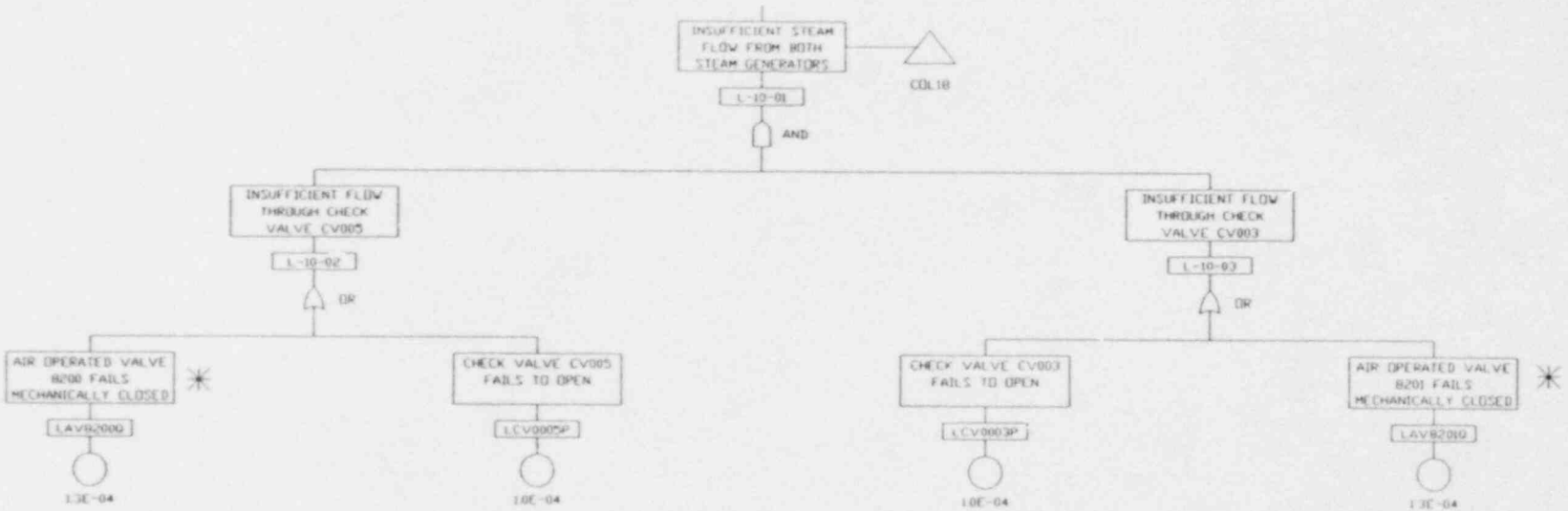


* AGGREGATE EVENTS FOR AFWS TURBINE/PUMP FAILURE

8/06/87

FIGURE L-1, SHEET 10

UNIT 2

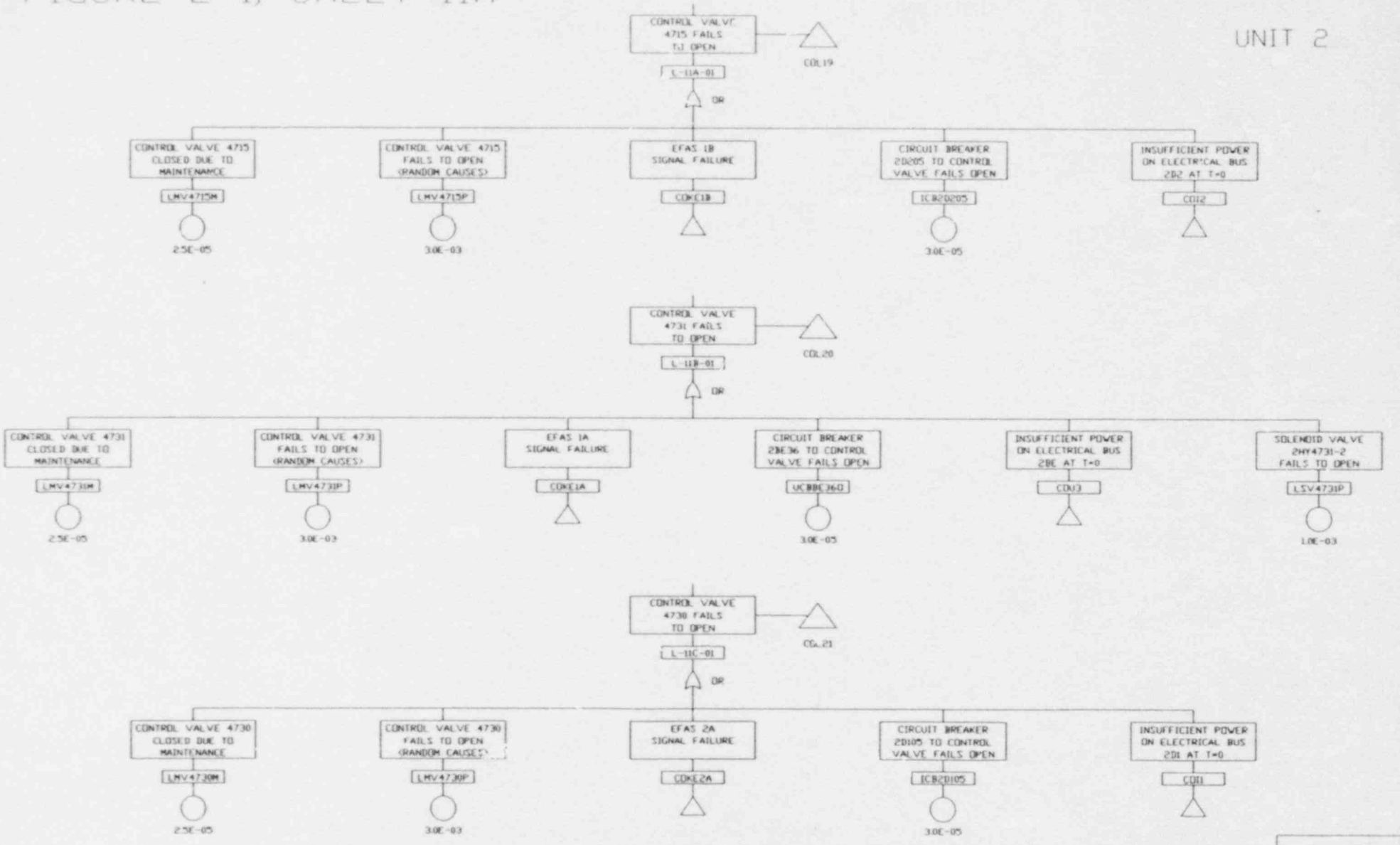


* VALVES 8200 & 8201 FAIL OPEN ON LOSS OF INSTRUMENT AIR

4/25/87

FIGURE L-1, SHEET 11A

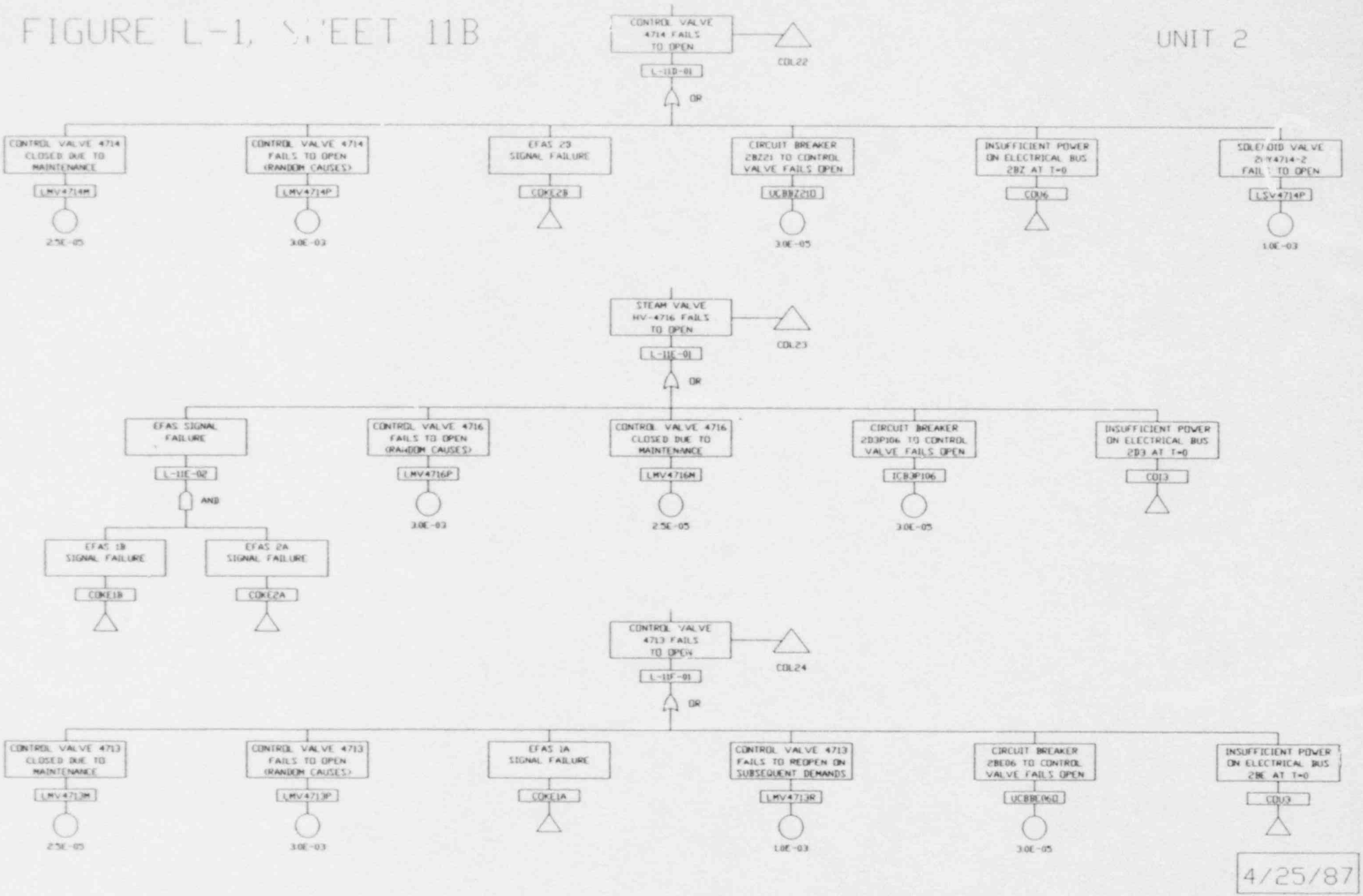
UNIT 2



4/25/87

FIGURE L-1, SHEET 11B

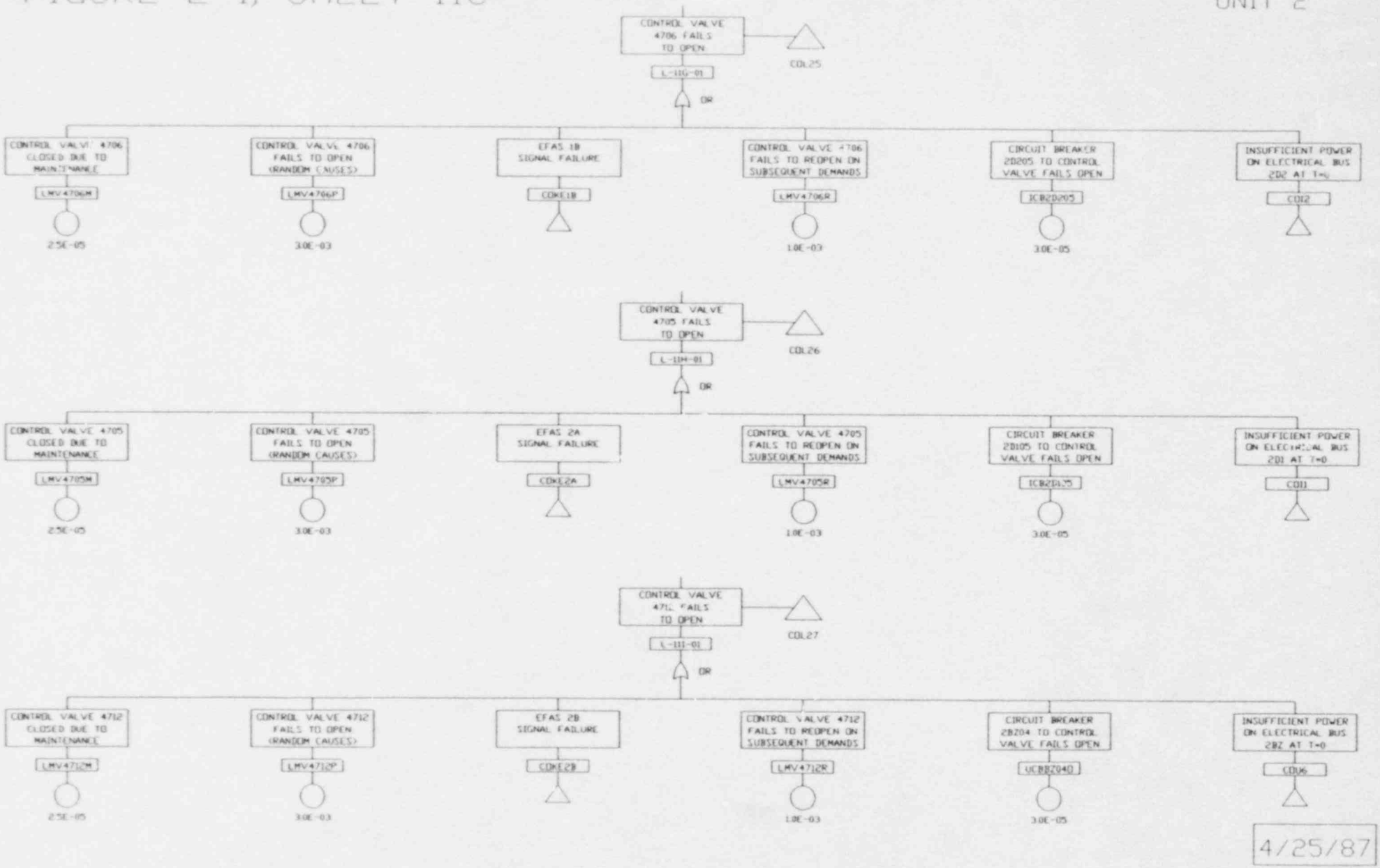
UNIT 2



4/25/87

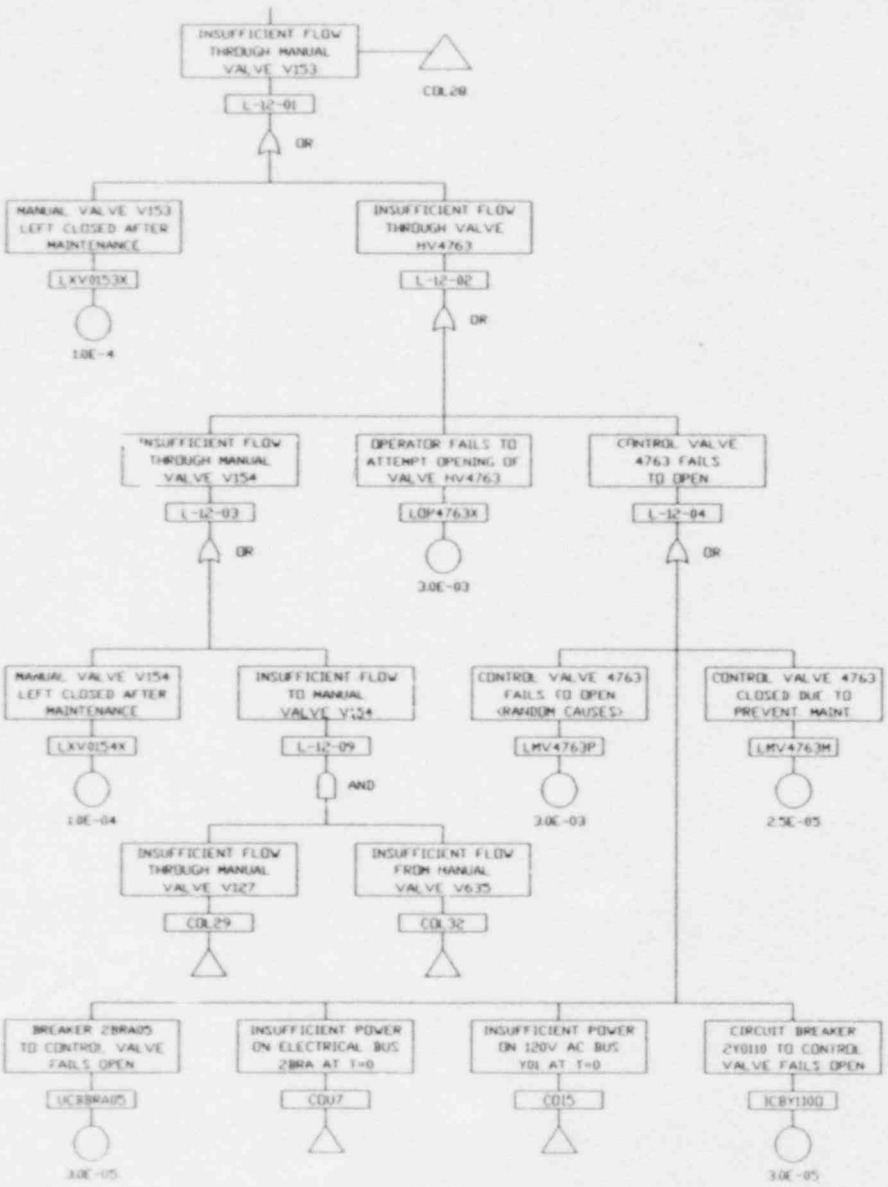
FIGURE L-1, SHEET 11C

UNIT 2

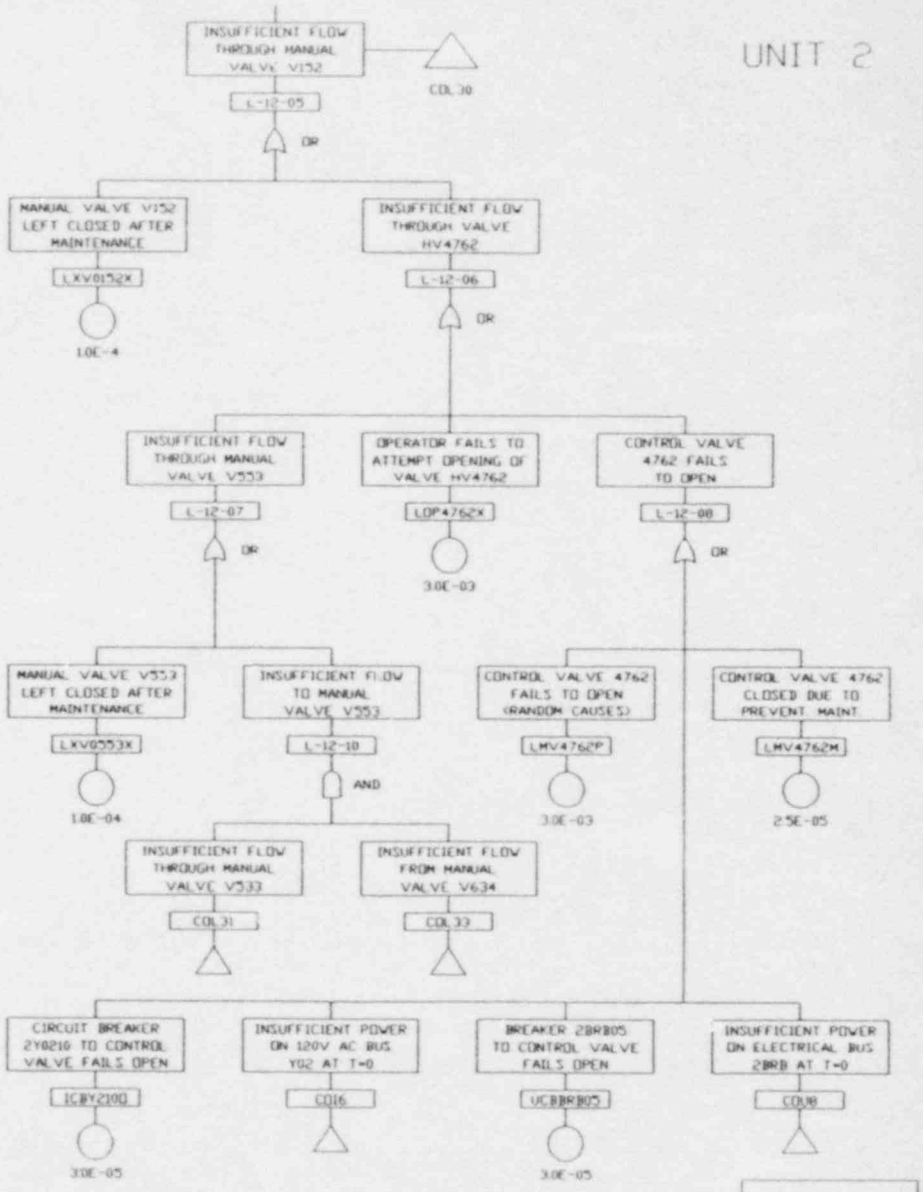


4/25/87

FIGURE L-1, SHEET 12



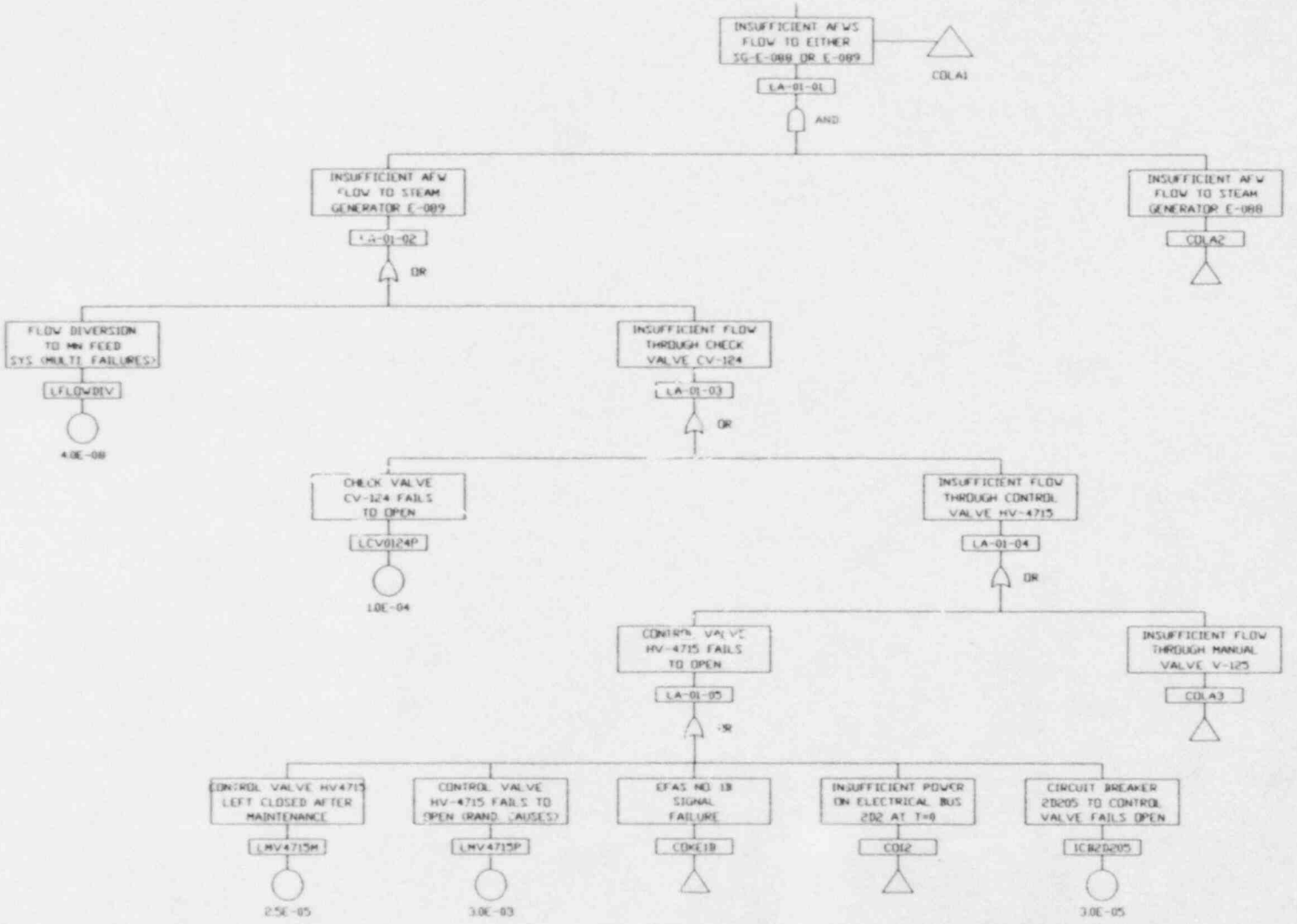
UNIT 2



4/25/87

FIGURE LA-1: AUXILIARY FEEDWATER SYSTEM FAULT TREE (TURBINE DRIVEN PUMP ONLY)

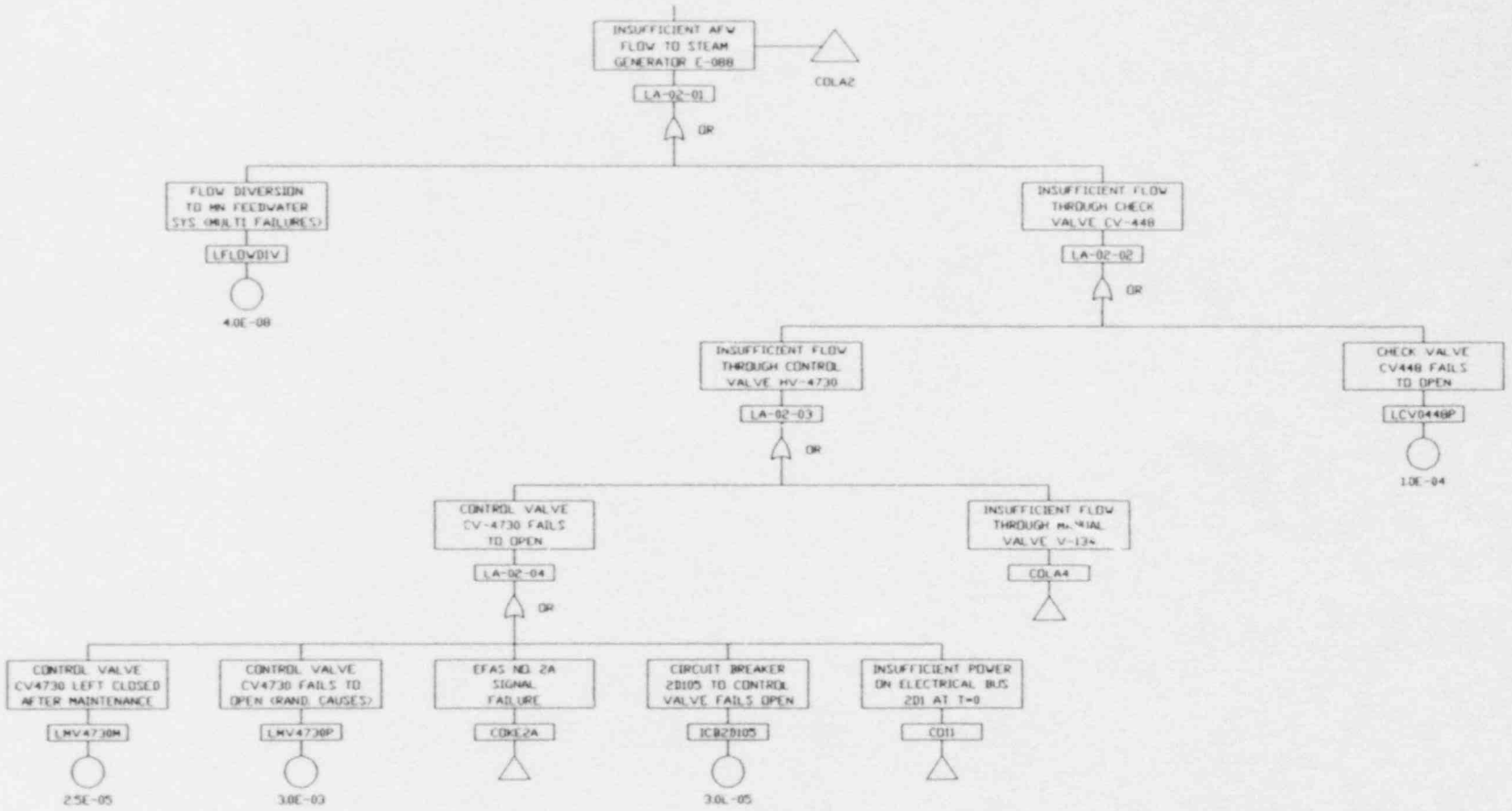
UNIT 2



4/25/87

FIGURE LA-1, SHEET 2

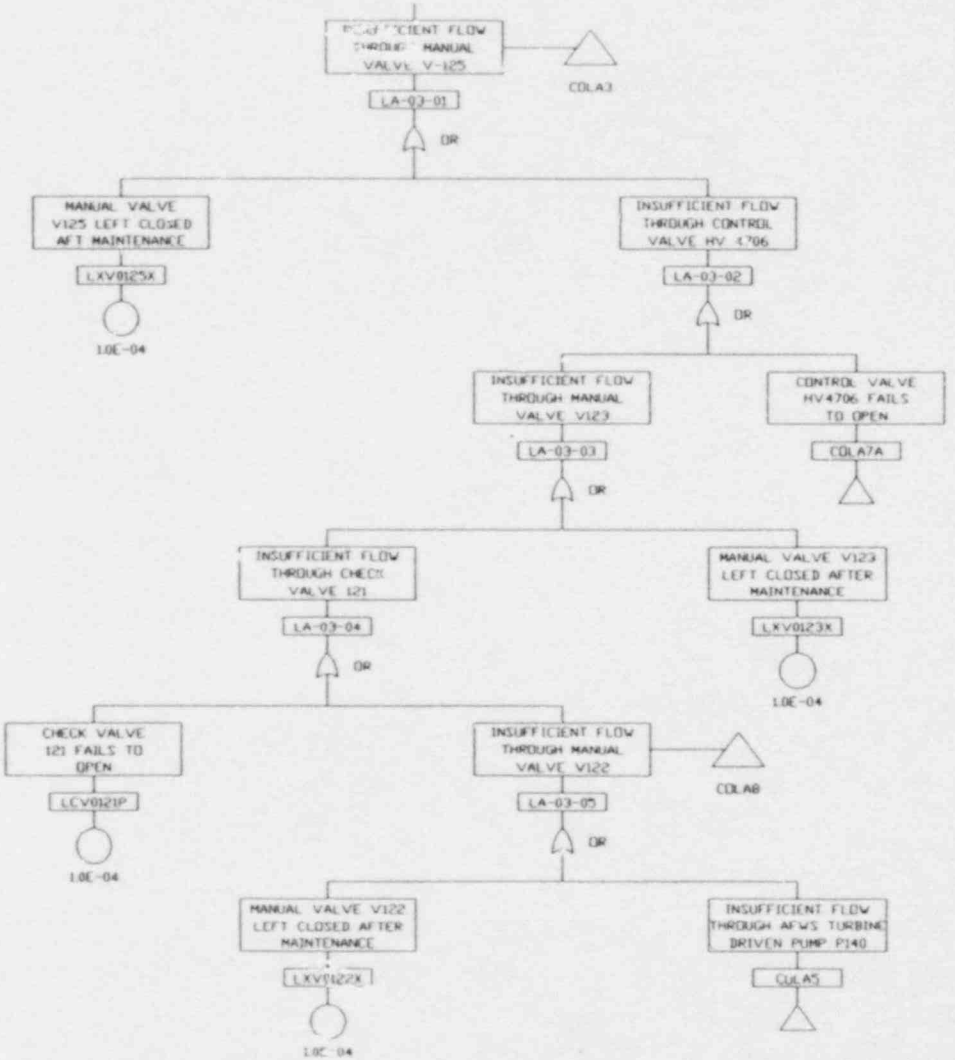
UNIT 2



4/25/87

FIGURE LA-1, SHEET 3

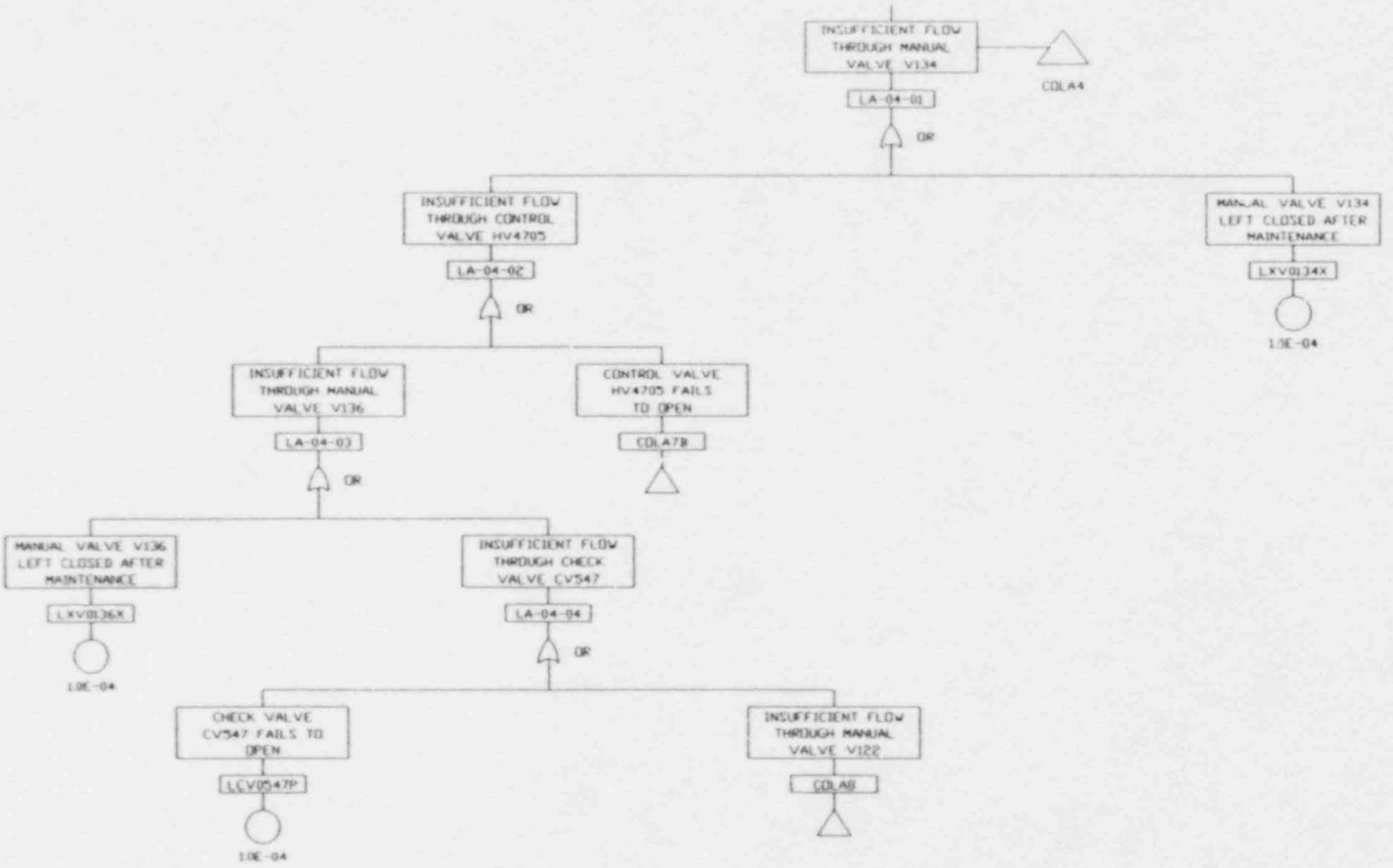
UNIT 2



4/25/87

FIGURE LA-1, SHEET 4

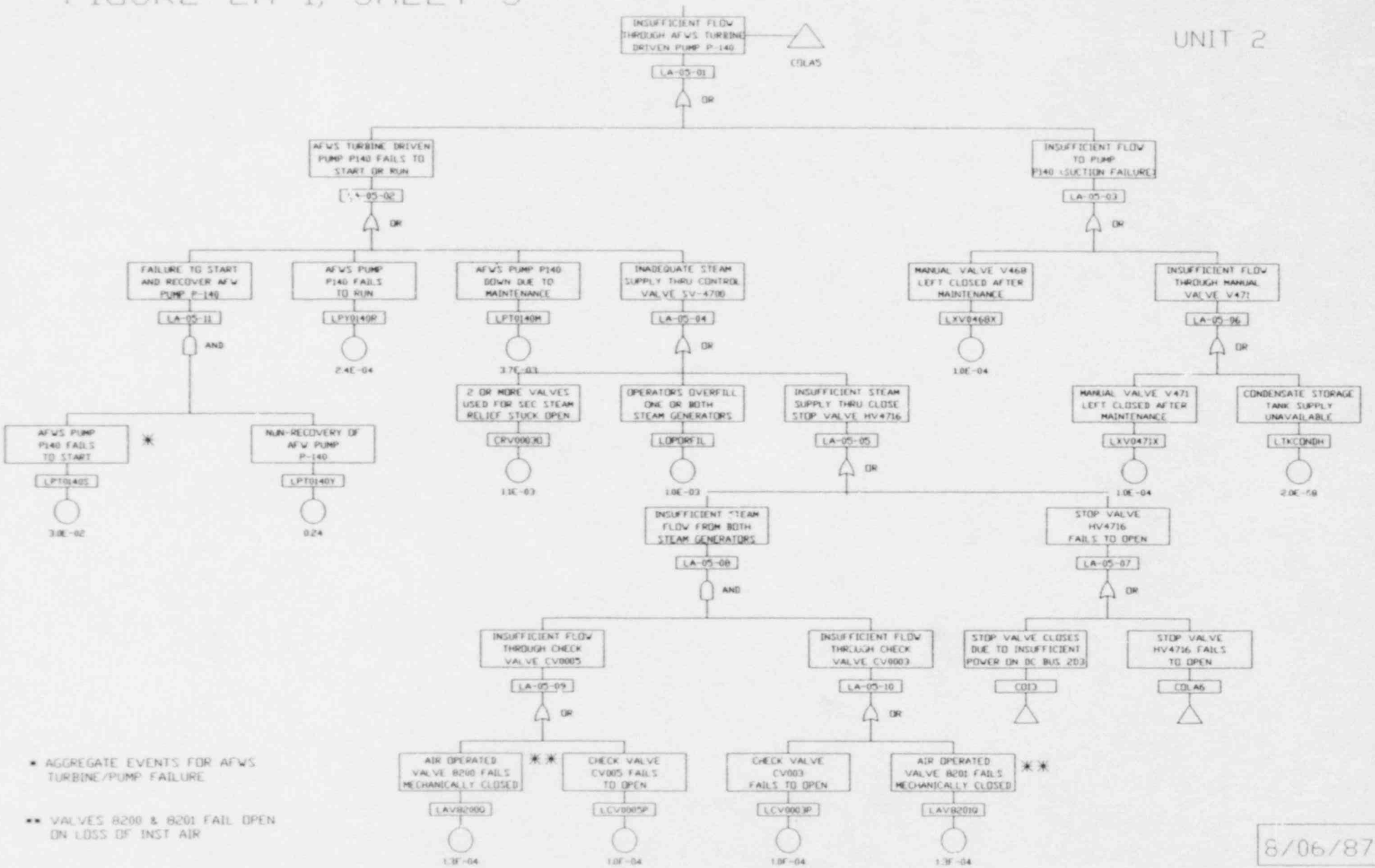
UNIT 2



4/25/87

FIGURE LA-1, SHEET 5

UNIT 2



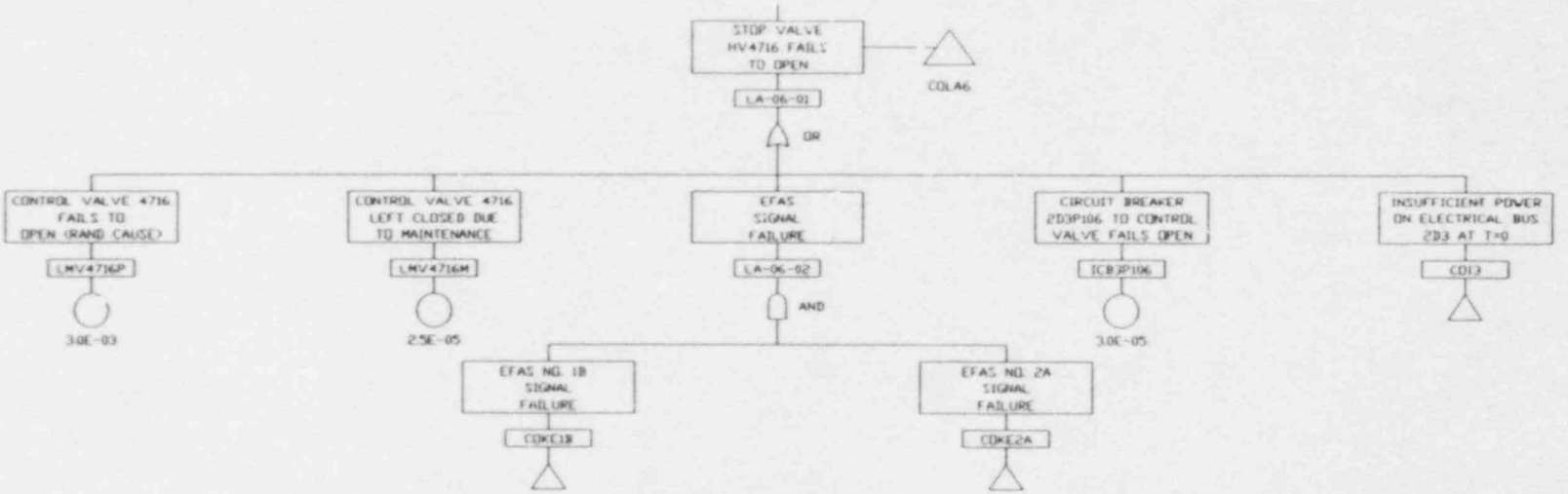
* AGGREGATE EVENTS FOR AFWS TURBINE/PUMP FAILURE

** VALVES 8200 & 8201 FAIL OPEN ON LOSS OF INST AIR

8/06/87

FIGURE LA-1, SHEET 6

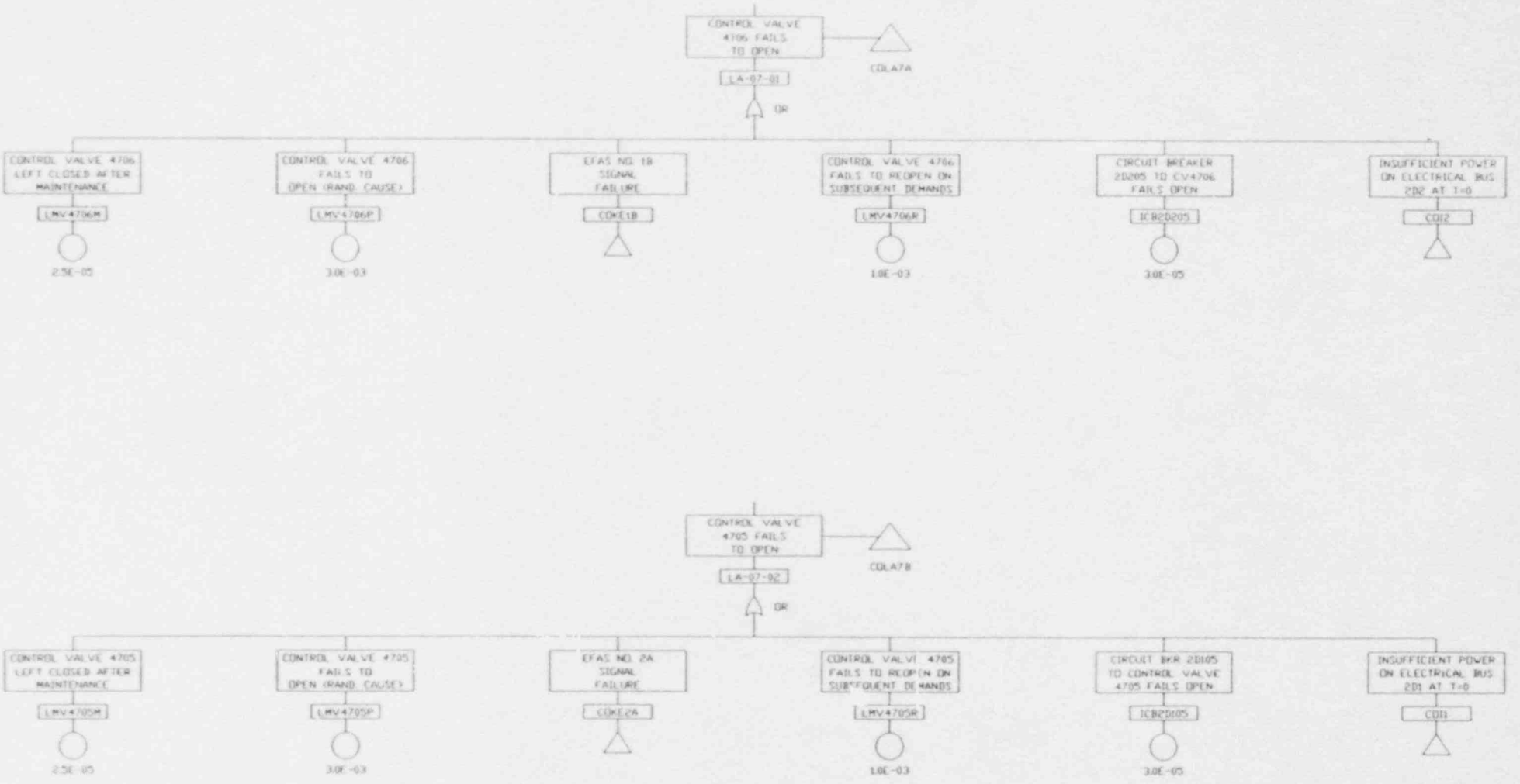
UNIT 2



4/25/87

FIGURE LA-1, SHEET 7

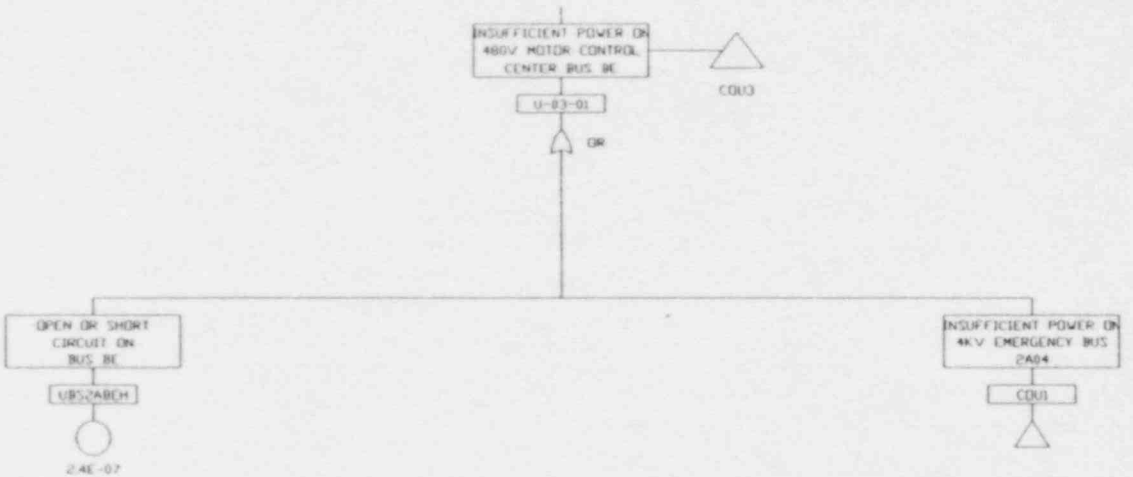
UNIT 2



4/25/87

FIGURE U-1: 480V AC AND 125V DC POWER SYSTEM FAULT TREE

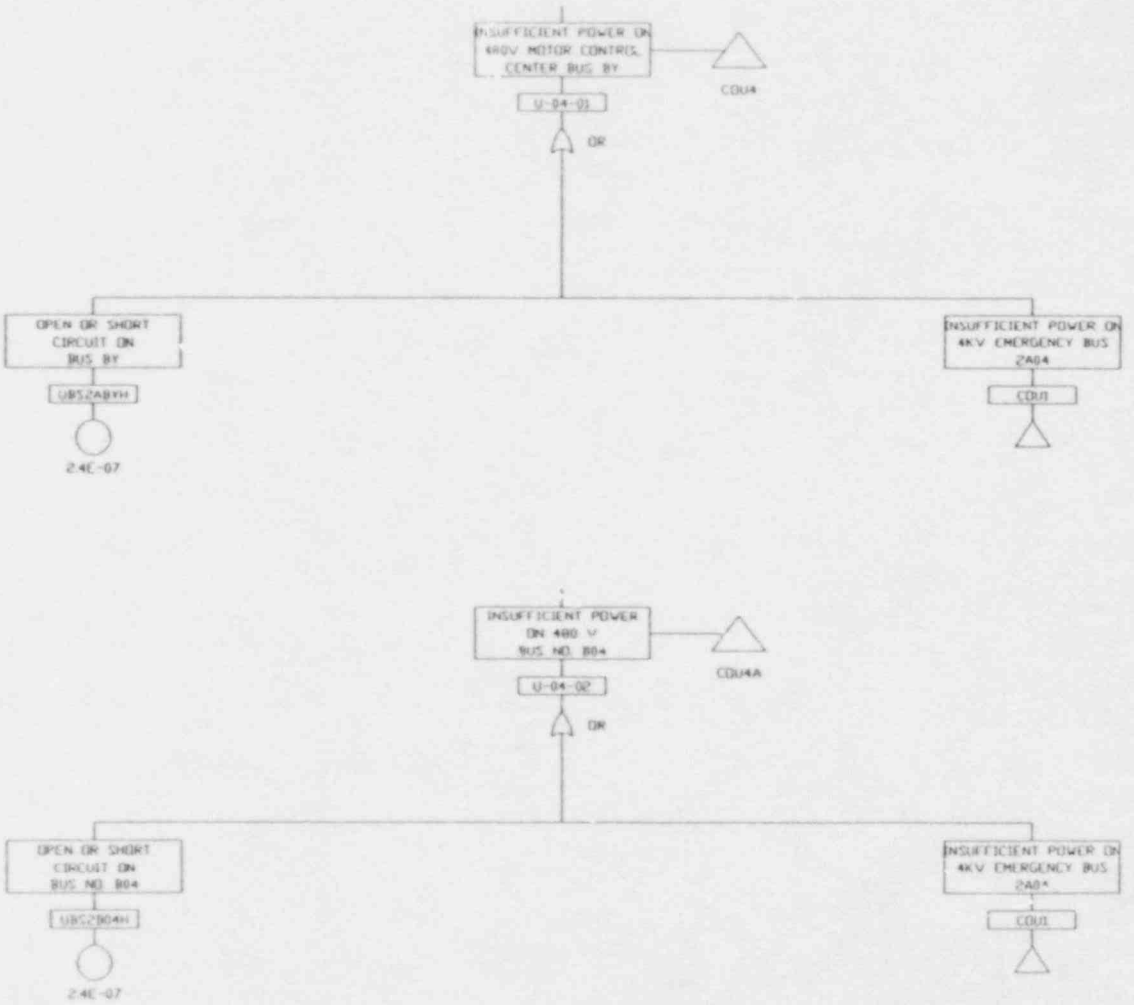
UNIT 2



12/16/86

FIGURE U-1, SHEET 2

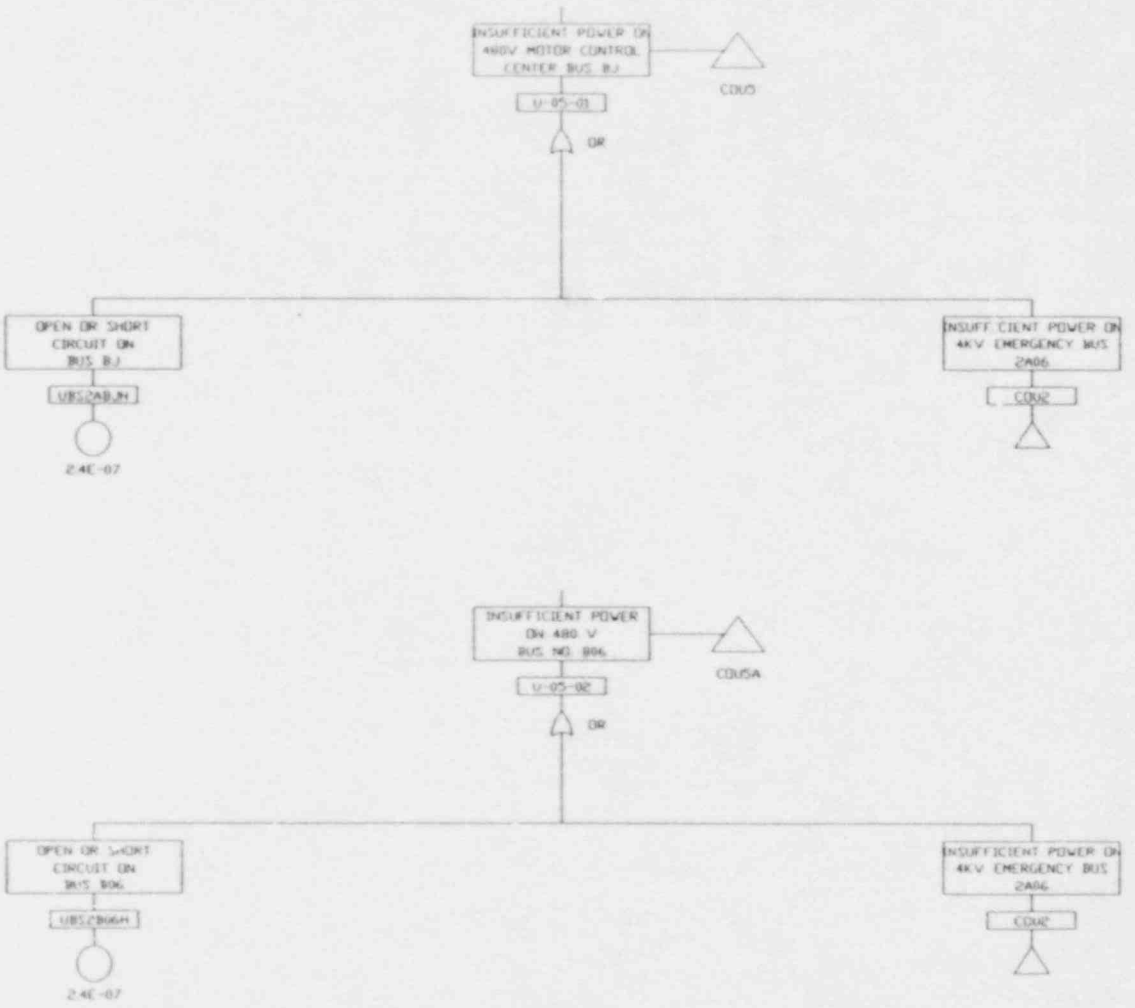
UNIT 2



1/29/87

FIGURE U-1, SHEET 3

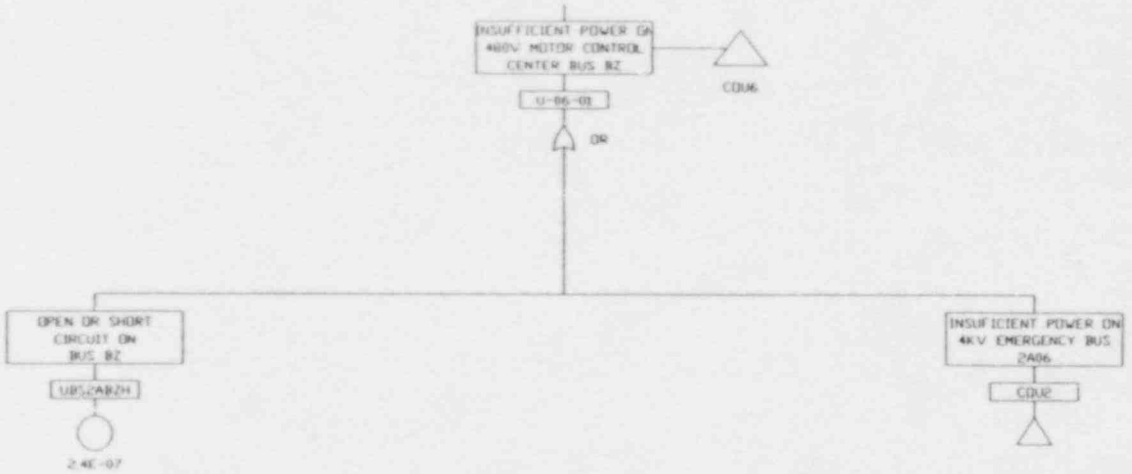
UNIT 2



1/29/87

FIGURE U-1, SHEET 4

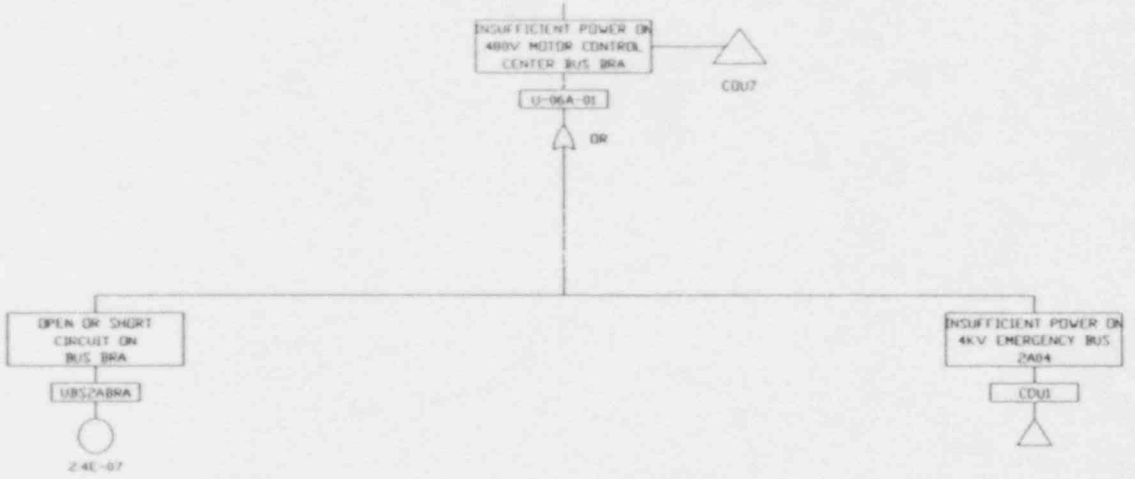
UNIT 2



12/16/86

FIGURE U-1, SHEET 5

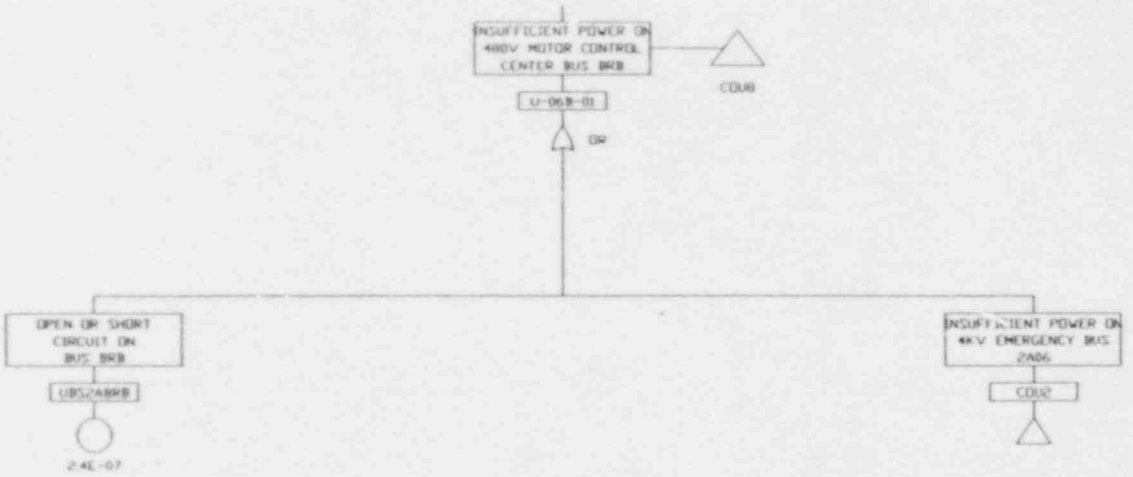
UNIT 2



12/16/86

FIGURE U-1, SHEET 6

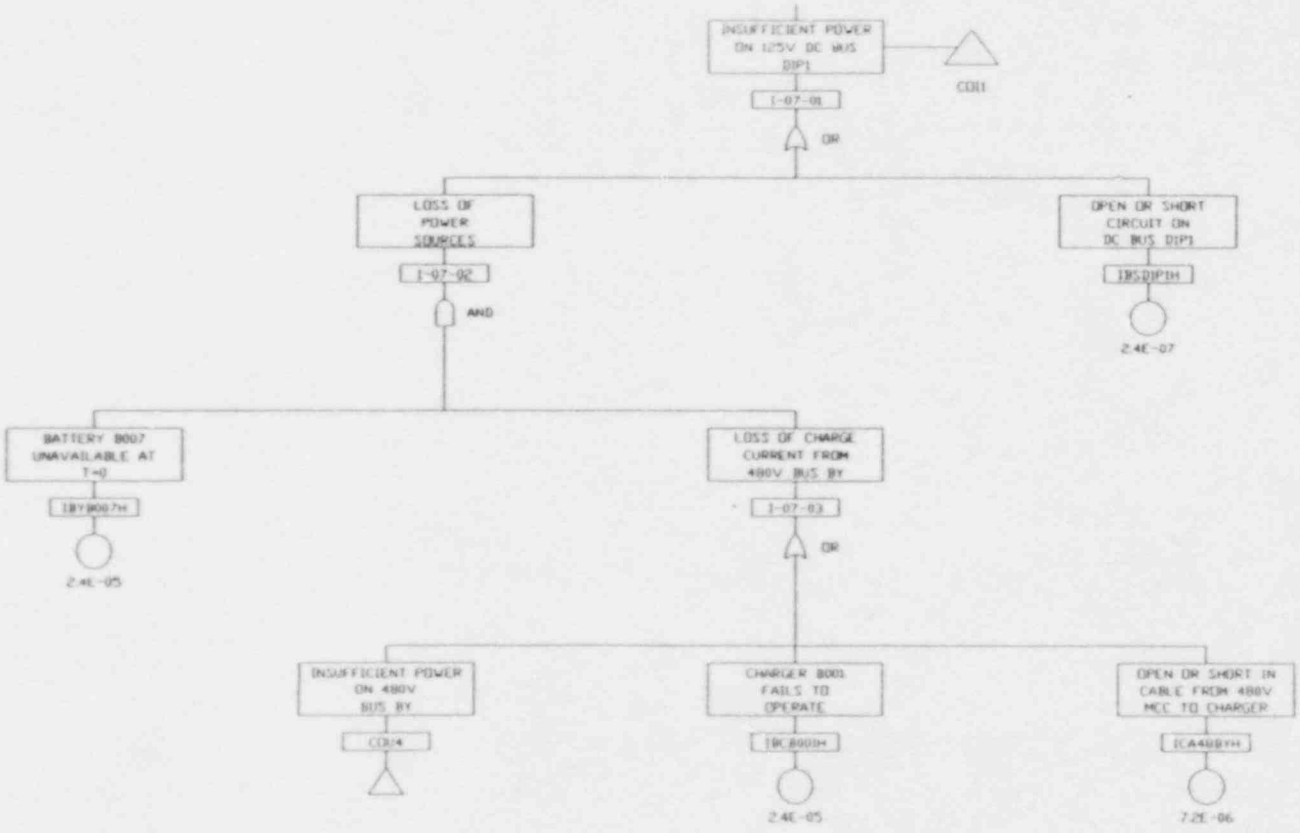
UNIT 2



12/16/86

FIGURE U-1, SHEET 7

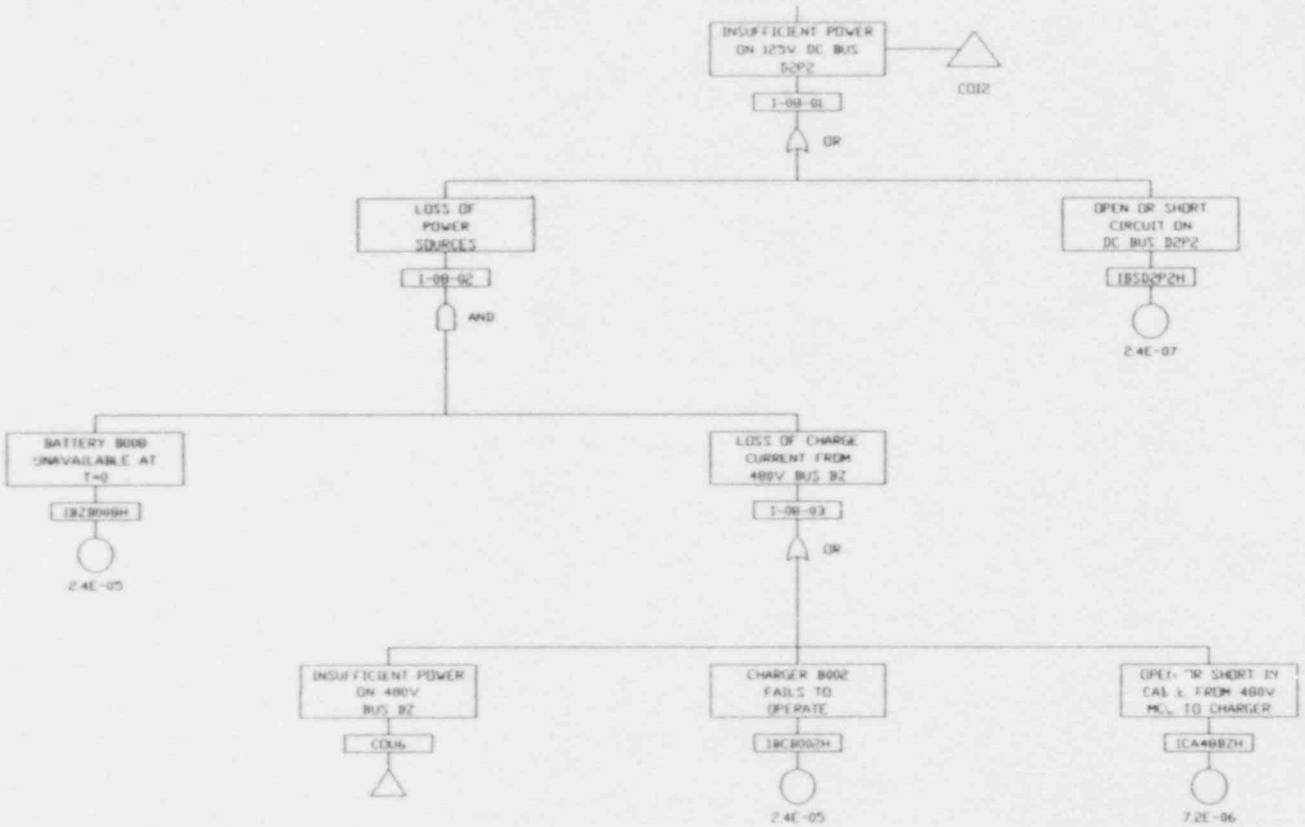
UNIT 2



12/16/86

FIGURE U-1, SHEET 8

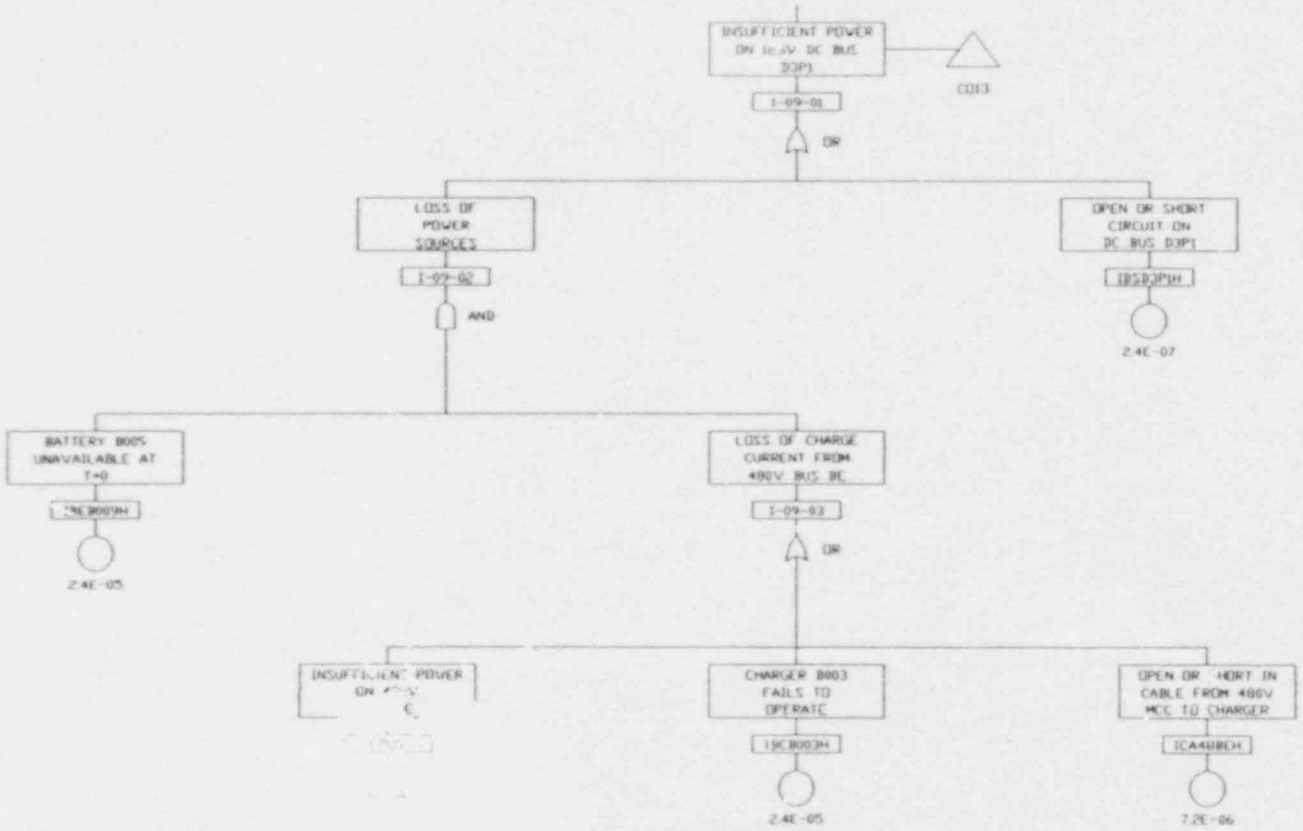
UNIT 2



12/16/86

FIGURE U-1, SHEET 9

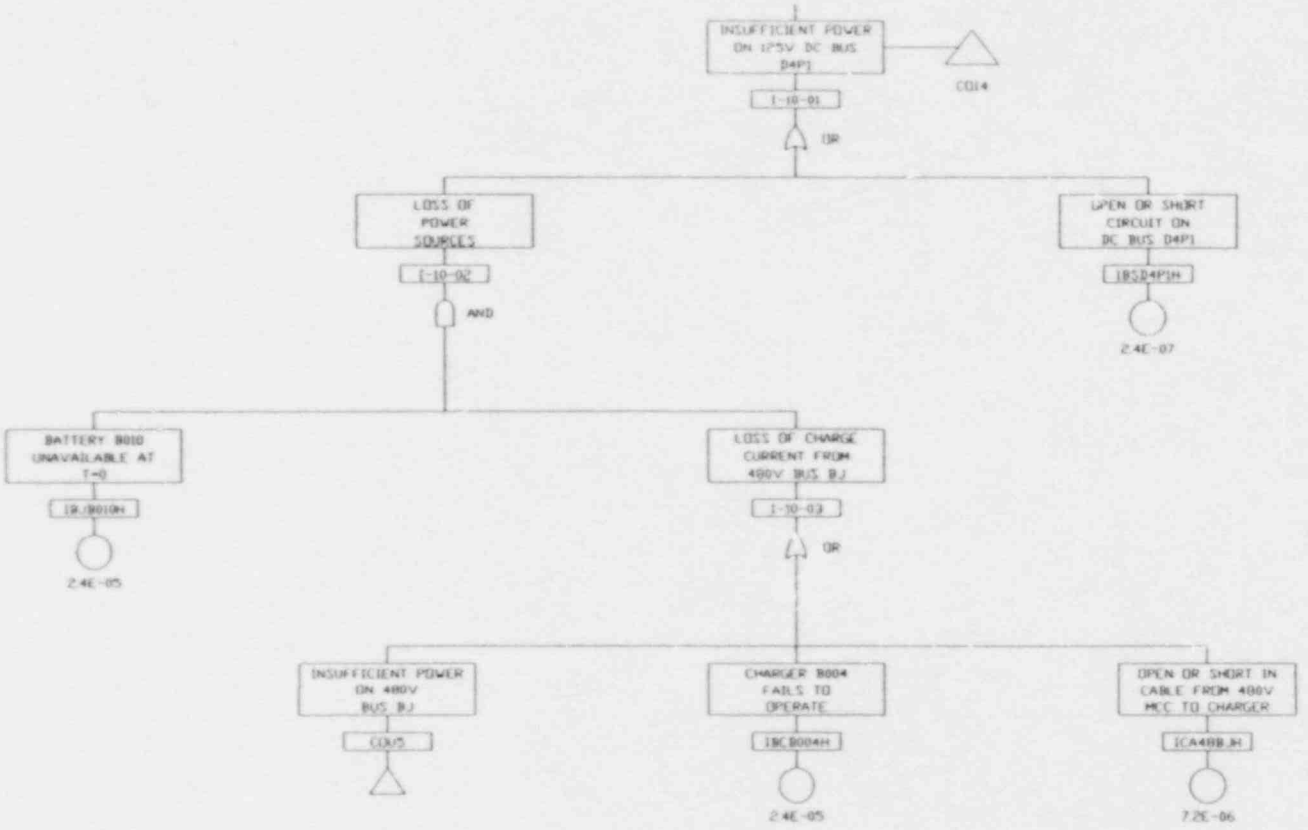
UNIT 2



12/16/86

FIGURE U-1, SHEET 10

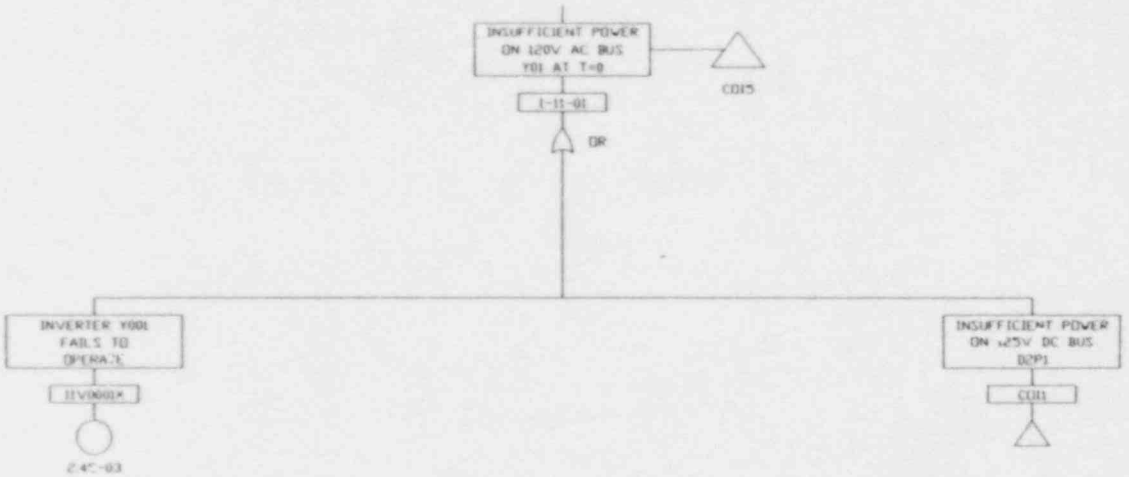
UNIT 2



12/16/86

FIGURE U-1, SHEET 11

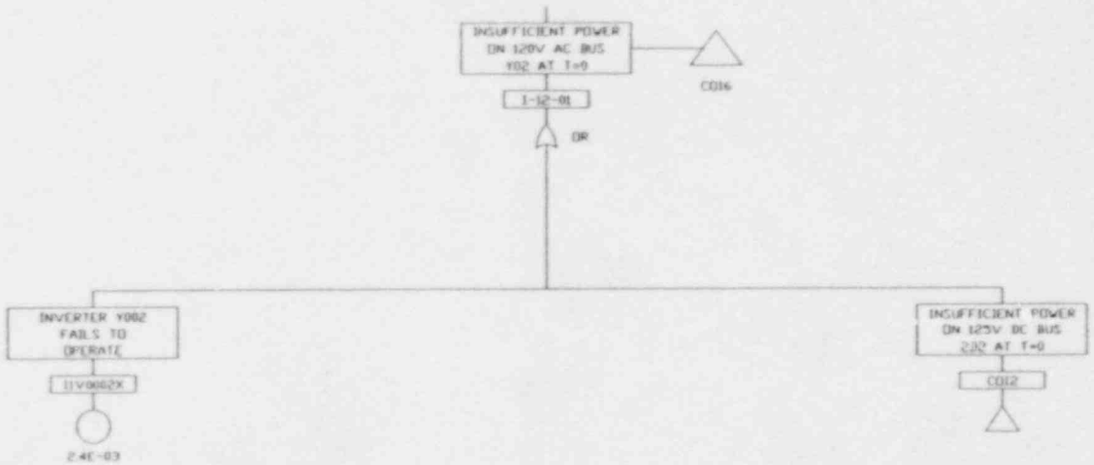
UNIT 2



12/16/86

FIGURE U-1, SHEET 12

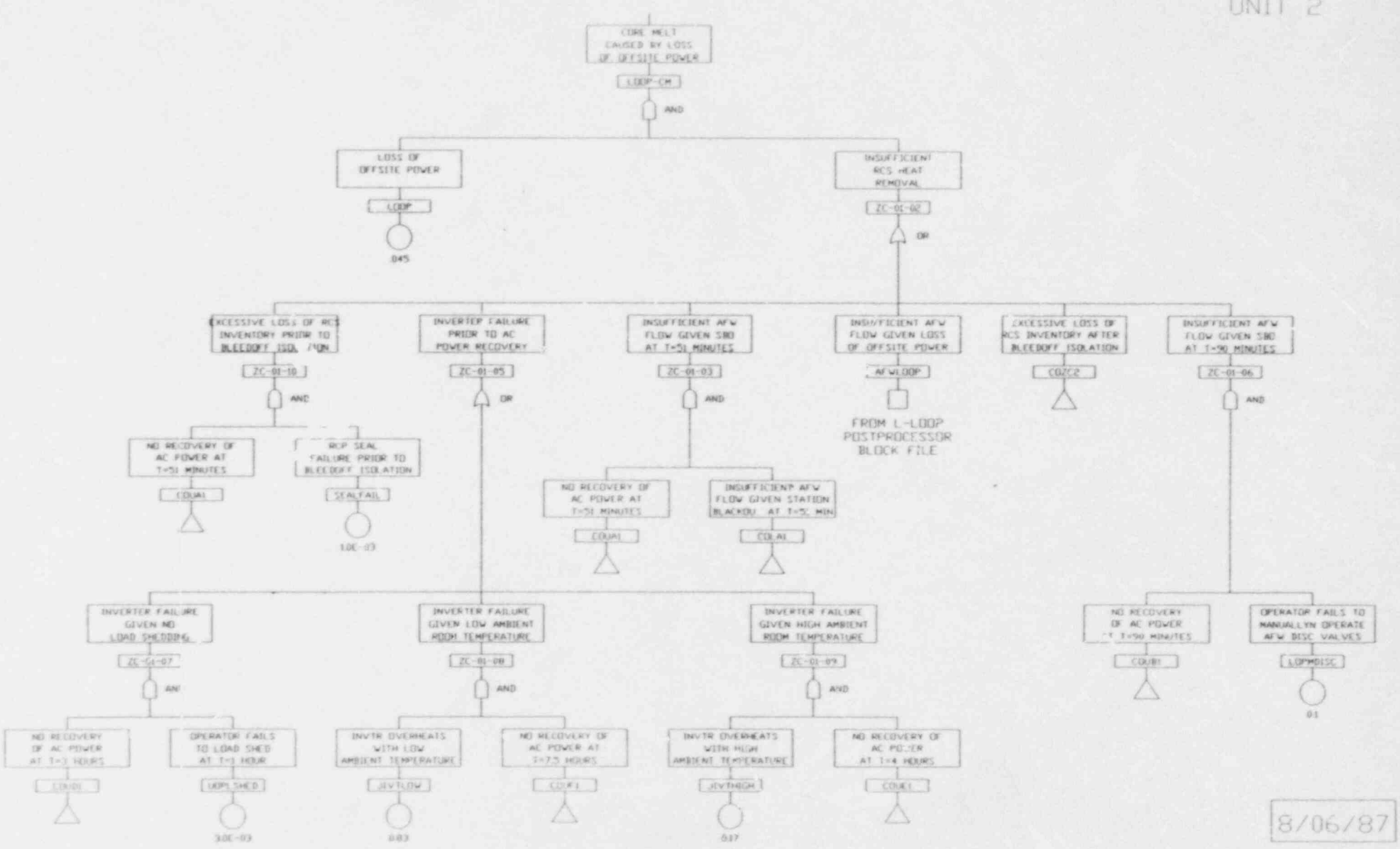
UNIT 2



12/16/86

FIGURE ZC-1: LOSS OF OFFSITE POWER FAULT TREE

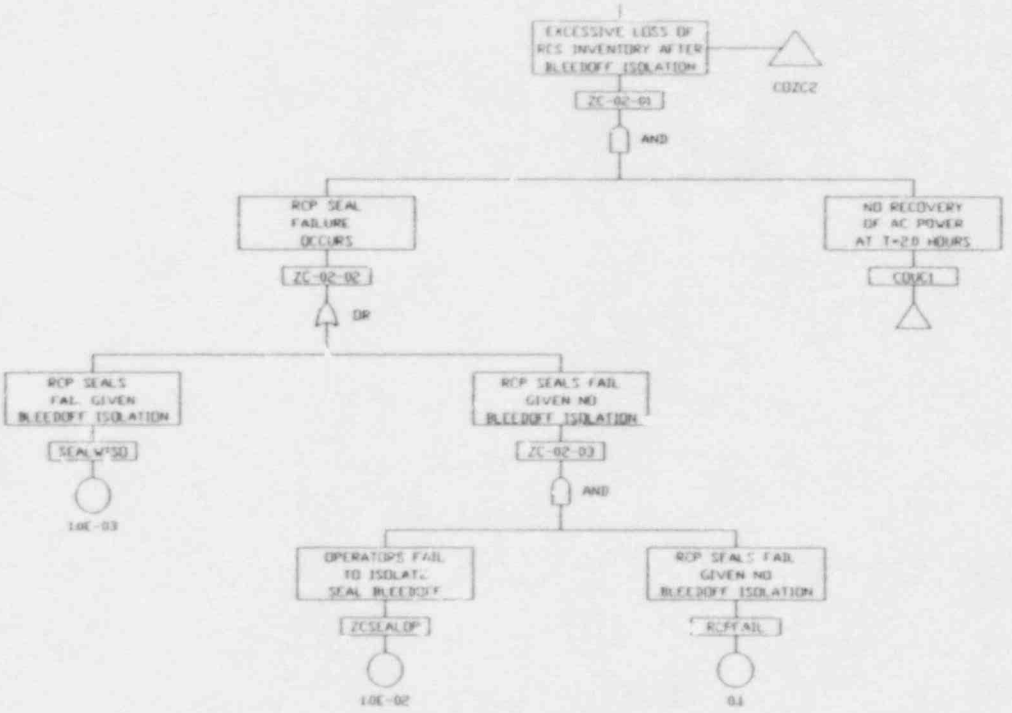
UNIT 2



8/06/87

FIGURE ZC-1, SHEET 2

UNIT 2



04/16/87

APPENDIX B

ANALYSIS CODE OUTPUTS

FAULT TREE ANALYSIS PROGRAM VERSION ONE MOD ONE OPERATIONS RESEARCH CENTER / U C BERKELEY

FAULT TREE INPUT

I-07-01	+	I-07-02	IBSD1P1H	
I-07-02	*	IBYB007H	I-07-03	
I-07-03	+	IBCB001H	ICA48BYH	U-04-01
I-08-01	+	I-08-02	IBSD2P2H	
I-08-02	*	IBZB008H	I-08-03	
I-08-03	+	IBCB002H	ICA48BZH	U-06-01
I-09-01	+	I-09-02	IBSD3P1H	
I-09-02	*	IBEB009H	I-09-03	
I-09-03	+	IBCB003H	ICA48BEH	U-03-01
I-10-01	+	I-10-02	IBSD4P1H	
I-10-02	*	IBJB010H	I-10-03	
I-10-03	+	IBCB004H	ICA48BJH	U-05-01
I-11-01	+	IIV0001X	I-07-01	
I-12-01	+	IIV0002X	I-08-01	
KE-01-01	*	KOPEFAS	KE-01-05	
KE-01-02	*	KOPEFAS	KE-01-06	
KE-01-03	*	KOPEFAS	KE-01-07	
KE-01-04	*	KOPEFAS	KE-01-08	
KE-01-05	+	KEFAS1A	EFAS1CCF	
KE-01-06	+	EFAS2CCF	KEFAS2A	
KE-01-07	+	KEFAS1B	EFAS1CCF	
KE-01-08	+	EFAS2CCF	KEFAS2B	
KL-01-01	*	KLOV1	KLOPBUV	
KL-01-02	*	KLOPBUV	KLOV2	

KL-01-03	*	KLOPBUV	KLOV3	
KL-01-04	*	KLOV4	KLOPBUV	
L-01-02	+	LFLOWDIV	L-01-03	
L-01-03	+	LCV0124P	L-01-04	
L-01-04	*	L-01-05	L-01-06	
L-01-05	+	L-11A-01	L-03-01	
L-01-06	+	L-11B-01	L-03-01	
L-02-01	+	LFLOWDIV	L-02-02	
L-02-02	+	LCV0448P	L-02-03	
L-02-03	*	L-02-04	L-02-05	
L-02-04	+	L-11C-01	L-04-01	
L-02-05	+	L-11D-01	L-04-01	
L-03-01	+	L-03-02	L-03-03	L-03-04
L-03-02	*	L-03-05	L-05-01	L-12-01
L-03-03	*	L-09-01	LCV0121F	
L-03-04	*	L-8A-01	LCV0126F	
L-03-05	+	LXV0133X	L-03-09	
L-03-09	+	L-11F-01	L-03-12	
L-03-10	+	LCV0126P	L-03-13	
L-03-12	+	LXV0131X	L-03A-01	
L-03-13	+	L-8A-01	L-06-01	
L-03A-01	*	L-03A-02	L-03A-03	
L-03A-02	+	LXV0127X	L-03-10	
L-03A-03	+	L-04A-02	LOPCROSV	
L-04-01	+	L-04-02	L-04-03	L-04-04
L-04-02	*	L-04-05	L-07-01	L-12-05
L-04-03	*	L-09-01	LCV0547F	
L-04-04	*	L-8B-01	LCV0532F	
L-04-05	+	LXV0130X	L-04-09	

L-04-09	+	L-11I-01	L-04-12		
L-04-10	+	LCV0532P	L-04-13		
L-04-12	+	LXV0128X	L-04A-01		
L-04-13	+	L-8B-01	L-06-05		
L-04A-01	*	L-04A-02	L-04A-03		
L-04A-02	+	LXV0533X	L-04-10		
L-04A-03	+	L-03A-02	LOPCROSV		
L-05-01	+	L-05-02	LXV0125X		
L-05-02	+	L-11G-01	L-05-04		
L-05-04	+	LXV0123X	L-05-05		
L-05-05	+	LCV0121P	L-05-06		
L-05-06	+	LXV0122X	L-05-07		
L-05-07	+	L-09-01	L-06-03		
L-06-01	+	LXV0469X	L-06-02		
L-06-02	+	LXV471AX	LTKCONDH		
L-06-03	+	LXV0468X	L-06-04		
L-06-04	+	LXV0471X	LTKCONDH		
L-06-05	+	LXV0538X	L-06-06		
L-06-06	+	LXV0542X	LTKCONDH		
L-07-01	+	L-07-02	LXV0134X		
L-07-02	+	L-11H-01	L-07-04		
L-07-04	+	LXV0136X	L-07-05		
L-07-05	+	LCV0547P	L-05-06		
L-09-01	+	L-09-02	LPT0140M	LPT0140R	L-09-05
L-09-02	+	CRV0003O	L-09-04	LOPORFIL	
L-09-04	+	L-10-01	L-09-07		
L-09-05	*	LPT0140S	LPT0140Y		
L-09-07	+	L-11E-01	I-09-01		
L-10-01	*	L-10-02	L-10-03		

L-10-02	+	LAV8200Q	LCV0005P				
L-10-03	+	LCV0003P	L4V8201Q				
L-11A-01	+	LMV4715M	LMV4715P	KE-01-03	ICB2D205	I-08-01	
L-11B-01	+	U-03-01	UCB8E36O	KE-01-01	LMV4731P	LMV4731M	LSV4731P
L-11C-01	+	I-07-01	ICB2D105	KE-01-02	LMV4730P	LMV4730M	
L-11D-01	+	LMV4714M	LMV4714P	KE-01-04	UCB8Z21O	U-06-01	LSV4714P
L-11E-01	+	I-09-01	ICB3P106	LMV4716P	LMV4716M	L-11E-02	
L-11E-02	*	KE-01-03	KE-01-02				
L-11F-01	+	[illegible]-03-01	UCB8E06O	KE-01-01	LMV4713P	LMV4713M	LMV4713R
L-11G-01	+	LMV4706M	LMV4706P	KE-01-03	ICB2D205	I-08-01	LMV4706R
L-11H-01	+	I-07-01	ICB2D105	KE-01-02	LMV4705P	LMV4705M	LMV4705R
L-11I-01	+	U-06-01	UCB8Z04O	KE-01-04	LMV4712P	LMV4712M	LMV4712R
L-12-01	+	LXV0153X	L-12-02				
L-12-02	+	L-12-03	LOP4763X	L-12-04			
L-12-03	+	LXV0154X	L-12-09				
L-12-04	+	LMV4763P	LMV4763M	U-06A-01	UCB8RA05	I-11-01	ICBY110O
L-12-05	+	L-12-06	LXV0152X				
L-12-06	+	L-12-08	LOP4762X	L-12-07			
L-12-07	+	LXV0553X	L-12-10				
L-12-08	+	UCB8RB05	U-06B-01	LMV4762M	LMV4762P	I-12-01	ICBY210O
L-12-09	*	L-03A-02	L-03A-03				
L-12-10	*	L-04A-02	L-04A-03				
L-8A-01	+	LPM0141S	L-8A-02	LPM0141M	U-01-01	LPM0141R	
L-8A-02	+	UCB0404N	I-07-01	KE-01-01	ICB1P101	ICB1D103	
L-8B-01	+	U-02-01	LPM0504M	L-8B-02	LPM0504S		
L-8B-02	+	UCB0603N	I-08-01	KE-01-04	ICB2P10[illegible]	ICB2D20[illegible]	LPM0504R
LA-01-01	*	LA-01-02	LA-02-01				
LA-01-02	+	LF[illegible]MDIV	LA-01-03				
LA-01-03	+	LCV9124P	LA-01-04				

LA-01-04	+	LA-01-05	LA-03-01			
LA-01-05	+	KE-01-03	LMV4715M	LMV4715P	ICB2D205	I-08-01
LA-02-01	+	LFLOWDIV	LA-02-02			
LA-02-02	+	LCV0448P	LA-02-03			
LA-02-03	+	LA-02-04	LA-04-01			
LA-02-04	+	KE-01-02	I-07-01	ICB2D105	LMV4730M	LMV4730P
LA-03-01	+	LXV0125X	LA-03-02			
LA-03-02	+	LA-03-03	LA-07-01			
LA-03-03	+	LA-03-04	LXV0123X			
LA-03-04	+	LA-03-05	LCV0121P			
LA-03-05	+	LXV0122X	LA-05-01			
LA-04-01	+	LA-04-02	LXV0134X			
LA-04-02	+	LA-04-03	LA-07-02			
LA-04-03	+	LXV0136X	LA-04-04			
LA-04-04	+	LCV0547P	LA-03-05			
LA-05-01	+	LA-05-02	LA-05-03			
LA-05-02	+	LPY0140R	LA-05-04	LPT0140M	LA-05-11	
LA-05-03	+	LXV0468X	LA-05-06			
LA-05-04	+	CRV0003O	LA-05-05	LOPORFIL		
LA-05-05	+	LA-05-08	LA-05-07			
LA-05-06	+	LTKCONDH	LXV0471X			
LA-05-07	+	I-09-01	LA-06-01			
LA-05-08	*	LA-05-09	LA-05-10			
LA-05-09	+	LAV8200Q	LCV0005P			
LA-05-10	+	LCV0003P	LAV8201Q			
LA-05-11	*	LPT0140S	LPT0140Y			
LA-06-01	+	LA-06-02	LMV4716M	LMV4716P	ICB3P106	I-09-01
LA-06-02	*	KE-01-03	KE-01-02			
LA-07-01	+	KE-01-03	LMV4706M	LMV4706P	I-08-01	ICB2D205 LMV4706R

LA-07-02	+	LMV4705M	LMV4705P	KE-01-02	I-07-01	ICB2D105	LMV4705R
LOOP-CM	*	LOOP	ZC-01-02				
U-01-01	+	U-01-02	UBS2A04H				
U-01-02	*	U-01-04	U-01-03				
U-01-03	+	U-01-06	U-01-05	UGE2G02M	UCAG002A	KL-01-01	
U-01-04	*	LOOPC	NROSP51M				
U-01-05	+	U-01-07	UCB0413N				
U-01-06	+	UGE2G02R	U-01-08				
U-01-07	+	IBSD1P1H	IBYB007H				
U-01-08	*	UGE2G02S	NR2D251M				
U-02-01	+	U-02-02	UBS2A06H				
U-02-02	*	U-02-04	U-02-03				
U-02-03	+	U-02-06	U-02-05	UGE2G03M	UCAG003A	KL-01-02	
U-02-04	*	LOOPC	NROSP51M				
U-02-05	+	U-02-07	UCB0613N				
U-02-06	+	UGE2G03R	U-02-08				
U-02-07	+	IBSD2P1H	IBYB008H				
U-02-08	*	UGE2G03S	NR2D351M				
U-03-01	+	UBS2ABEH	U-01-01				
U-04-01	+	UBS2ABYH	U-01-01				
U-04-02	+	UBS2B04H	U-01-01				
U-05-01	+	UBS2ABJH	U-02-01				
U-05-02	+	U-02-01	UBS2B06H				
U-06-01	+	UBS2ABZH	U-02-01				
U-06A-01	+	UBS2ABRA	U-01-01				
U-06B-01	+	UBS2ABRB	U-02-01				
UA-01-01	*	UA-01-02	UA-01-03				
UA-01-02	*	NROSP51M	UA-01-04				
UA-01-03	*	UA-01-05	NROSP51M				

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UA-01-04  +        UGE2G02M  UA-01-08  U2G0251M  KL-01-01
UA-01-05  +        UGE2G03M  UA-01-09  U2G0351M  KL-01-02
UA-01-08  *        UGE2G02S  NR2D251M
UA-01-09  *        UGE2G03S  NR2D351M
UB-01-01  *        UB-01-02  UB-01-03
UB-01-02  *        NROSP90M  UB-01-04
UB-01-03  *        UB-01-05  NROSP90M
UB-01-04  +        UGE2G02M  UB-01-08  U2G0290M  KL-01-01
UB-01-05  +        UGE2G03M  UB-01-09  U2G0390M  KL-01-02
UB-01-08  *        UGE2G02S  NR2D290M
UB-01-09  *        UGE2G03S  NR2D390M
UC-01-01  *        UC-01-02  UC-01-03
UC-01-02  *        NROSP2.0  UC-01-04
UC-01-03  *        UC-01-05  NROSP2.0
UC-01-04  +        UGE2G02M  UC-01-08  U2G022.0  KL-01-01
UC-01-05  +        UGE2G03M  UC-01-09  U2G032.0  KL-01-02
UC-01-08  *        UGE2G02S  NR2D22.0
UC-01-09  *        UGE2G03S  NR2D32.0
UD-01-01  *        UD-01-02  UD-01-03
UD-01-02  *        NROSP3.0  UD-01-04
UD-01-03  *        UD-01-05  NROSP3.0
UD-01-04  +        UGE2G02M  UD-01-08  U2G023.0  KL-01-01
UD-01-05  +        UGE2G03M  UD-01-09  U2G033.0  KL-01-02
UD-01-08  *        UGE2G02S  NR2D23.0
UD-01-09  *        UGE2G03S  NR2D33.0
UE-01-01  *        UE-01-02  UE-01-03
UE-01-02  *        NROSP4.0  UE-01-04
UE-01-03  *        UE-01-05  NROSP4.0
UE-01-04  +        UGE2G02M  UE-01-08  U2G024.0  KL-01-01
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UE-01-05  +        UGE2G03M  UE-01-09  U2G034.0  KL-01-02
UE-01-08  *        UGE2G02S  NR2D24.0
UE-01-09  *        UGE2G03S  NR2D34.0
UF-01-01  *        UF-01-02  UF-01-03
UF-01-02  *        NROSP7.5  UF-01-04
UF-01-03  *        UF-01-05  NRGSP7.5
UF-01-04  +        UGE2G02M  UF-01-08  U2G027.5  KL-01-01
UF-01-05  +        UGE2G03M  UF-01-09  U2G037.5  KL-01-02
UF-01-08  *        UGE2G02S  NR2D27.5
UF-01-09  *        UGE2G03S  NR2D37.5
ZC-01-02  +        AFWLOOP   ZC-01-05  ZC-01-03  ZC-01-06  ZC-01-10  ZC-02-01
ZC-01-03  *        LA-01-01  UA-01-01
ZC-01-05  +        ZC-01-08  ZC-01-07  ZC-01-09
ZC-01-06  *        LOPMDISC  UB-01-01
ZC-01-07  *        UD-01-01  UOPLSHED
ZC-01-08  *        UF-01-01  JIVTLOW
ZC-01-09  *        JIVTHIGH  UE-01-01
ZC-01-10  *        SEALFAIL  UA-01-01
ZC-02-01  *        ZC-02-02  UC-01-01
ZC-02-02  +        SEALMISO  ZC-02-03
ZC-02-03  *        ZCSEALOP  RCPFAIL
LL-----1       1   LFLOWDIV
LL-----2       1   LTKCONDH
LL-----3       2   LCV0124P  LCV0448P
LL-----4       3   CRV0003O  ICB1D103  LPM0504M
LL-----5       3   CRV0003O  ICB1P101  LPM0504M
LL-----6       3   CRV0003O  ICB2D203  LPM0141M
LL-----7       3   CRV0003O  ICB2P101  LPM0141M
LL-----8       3   CRV0003O  LCV0126P  LPM0504M
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LL-----9	3	CRV00030	LCV0126P	LPM0504S
LL----10	3	CRV00030	LCV0126P	UCB0603N
LL----11	3	CRV00030	LCV0532P	LPM0141M
LL----12	3	CRV00030	LCV0532P	LPM0141S
LL----13	3	CRV00030	LCV0532P	UCB0404N
LL----14	3	CRV00030	LPM0141M	LPM0504M
LL----15	3	CRV00030	LPM0141M	LPM0504R
LL----16	3	CRV00030	LPM0141M	LPM0504S
LL----17	3	CRV00030	LPM0141M	LXV0533X
LL----18	3	CRV00030	LPM0141M	LXV0538X
LL----19	3	CRV00030	LPM0141M	LXV0542X
LL----20	3	CRV00030	LPM0141M	UCB0603N
LL----21	3	CRV00030	LPM0141R	LPM0504M
LL----22	3	CRV00030	LPM0141R	LPM0504R
LL----23	3	CRV00030	LPM0141R	LPM0504S
LL----24	3	CRV00030	LPM0141R	UCB0603N
LL----25	3	CRV00030	LPM0141S	LPM0504M
LL----26	3	CRV00030	LPM0141S	LPM0504R
LL----27	3	CRV00030	LPM0141S	LPM0504S
LL----28	3	CRV00030	LPM0141S	LXV0533X
LL----29	3	CRV00030	LPM0141S	LXV0538X
LL----30	3	CRV00030	LPM0141S	LXV0542X
LL----31	3	CRV00030	LPM0141S	UCB0603N
LL----32	3	CRV00030	LPM0504M	LXV0127X
LL----33	3	CRV00030	LPM0504M	LXV0469X
LL----34	3	CRV00030	LPM0504M	LXV471AX
LL----35	3	CRV00030	LPM0504M	UCB0404N
LL----36	3	CRV00030	LPM0504R	UCB0404N
LL----37	3	CRV00030	LPM0504S	LXV0127X

LL----38	3	CRV0003O	LPM0504S	LXV0469X
LL----39	3	CRV0003O	LPM0504S	LXV471AX
LL----40	3	CRV0003O	LPM0504S	UCB0404N
LL----41	3	CRV0003O	LXV0127X	UCB0603N
LL----42	3	CRV0003O	LXV0469X	UCB0603N
LL----43	3	CRV0003O	LXV0533X	UCB0404N
LL----44	3	CRV0003O	LXV0538X	UCB0404N
LL----45	3	CRV0003O	LXV0542X	UCB0404N
LL----46	3	CRV0003O	LXV471AX	UCB0603N
LL----47	3	CRV0003O	UCB0404N	UCB0603N
LL----48	3	EFAS1CCF	EFAS2CCF	KOPEFAS
LL----49	3	EFAS1CCF	KOPEFAS	LCV0448P
LL----50	3	EFAS2CCF	KOPEFAS	LCV0124P
LL----51	3	IBSD1P1H	L-11E-02	LPM0504M
LL----52	3	IBSD1P1H	L-11E-02	LPM0504R
LL----53	3	IBSD1P1H	L-11E-02	LPM0504S
LL----54	3	IBSD1P1H	L-11E-02	UCB0603N
LL----55	3	IBSD2P2H	L-11E-02	LPM0141M
LL----56	3	IBSD2P2H	L-11E-02	LPM0141R
LL----57	3	IBSD2P2H	L-11E-02	LPM0141S
LL----58	3	IBSD2P2H	L-11E-02	UCB0404N
LL----59	3	ICB1D103	ICB2D203	L-11E-02
LL----60	3	ICB1D103	ICB2P101	L-11E-02
LL----61	3	ICB1D103	L-11E-02	LCV0532P
LL----62	3	ICB1D103	L-11E-02	LPM0504M
LL----63	3	ICB1D103	L-11E-02	LPM0504R
LL----64	3	ICB1D103	L-11E-02	LPM0504S
LL----65	3	ICB1D103	L-11E-02	LXV0533X
LL----66	3	ICB1D103	L-11E-02	LXV0538X

LL----67	3	ICB1D103	L-11E-02	LXV0542X
LL----68	3	ICB1D103	L-11E-02	UCB0603N
LL----69	3	ICB1D103	LMV4716P	LPM0504M
LL----70	3	ICB1D103	LMV4716P	LPM0504S
LL----71	3	ICB1D103	LMV4716P	UCB0603N
LL----72	3	ICB1D103	LOPORFIL	LPMC504M
LL----73	3	ICB1D103	LPM0504M	LPT0140M
LL----74	3	ICB1D103	LPM0504S	LPT0140M
LL----75	3	ICB1D103	LPT0140M	UCB0603N
LL----76	3	ICB1P101	ICB2D203	L-11E-02
LL----77	3	ICB1P101	ICB2P101	L-11E-02
LL----78	3	ICB1P101	L-11E-02	LCV0532P
LL----79	3	ICB1P101	L-11E-02	LPM0504M
LL----80	3	ICB1P101	L-11E-02	LPM0504R
LL----81	3	ICB1P101	L-11E-02	LPM0504S
LL----82	3	ICB1P101	L-11E-02	LXV0533X
LL----83	3	ICB1P101	L-11E-02	LXV0538X
LL----84	3	ICB1P101	L-11E-02	LXV0542X
LL----85	3	ICB1P101	L-11E-02	UCB0603N
LL----86	3	ICB1P101	LMV4716P	LPM0504M
LL----87	3	ICB1P101	LMV4716P	LPM0504S
LL----88	3	ICB1P101	LMV4716P	UCB0603N
LL----89	3	ICB1P101	LOPORFIL	LPM0504M
LL----90	3	ICB1P101	LPM0504M	LPT0140M
LL----91	3	ICB1P101	LPM0504S	LPT0140M
LL----92	3	ICB1P101	LPT0140M	UCB0603N
LL----93	3	ICB2D203	L-11E-02	LCV0124P
LL----94	3	ICB2D203	L-11E-02	LPM0141M
LL----95	3	ICB2D203	L-11E-02	LPM0141R

LL----96	3	ICB2D203	L-11E-02	LPM0141S
LL----97	3	ICB2D203	L-11E-02	LXV0127X
LL----98	3	ICB2D203	L-11E-02	LXV0469X
LL----99	3	ICB2D203	L-11E-02	LXV471AX
LL---100	3	ICB2D203	L-11E-02	UCB0404N
LL---101	3	ICB2D203	LMV4716P	LPM0141M
LL---102	3	ICB2D203	LMV4716P	LPM0141S
LL---103	3	ICB2D203	LMV4716P	UCB0404N
LL---104	3	ICB2D203	LOPORFIL	LPM0141M
LL---105	3	ICB2D203	LPM0141M	LPT0140M
LL---106	3	ICB2D203	LPM0141S	LPT0140M
LL---107	3	ICB2D203	LPT0140M	UCB0404N
LL---108	3	ICB2P101	L-11E-02	LCV0126P
LL---109	3	ICB2P101	L-11E-02	LPM0141M
LL---110	3	ICB2P101	L-11E-02	LPM0141R
LL---111	3	ICB2P101	L-11E-02	LPM0141S
LL---112	3	ICB2P101	L-11E-02	LXV0127X
LL---113	3	ICB2P101	L-11E-02	LXV0469X
LL---114	3	ICB2P101	L-11E-02	LXV471AX
LL---115	3	ICB2P101	L-11E-02	UCB0404N
LL---116	3	ICB2P101	LMV4716P	LPM0141M
LL---117	3	ICB2P101	LMV4716P	LPM0141S
LL---118	3	ICB2P101	LMV4716P	UCB0404N
LL---119	3	ICB2P101	LOPORFIL	LPM0141M
LL---120	3	ICB2P101	LPM0141M	LPT0140M
LL---121	3	ICB2P101	LPM0141S	LPT0140M
LL---122	3	ICB2P101	LPT0140M	UCB0404M
LL---123	3	ICB3P106	LPM0141M	LPM0504M
LL---124	3	ICB3P106	LPM0141M	LPM0504S

LL---125	3	ICB3P106	LPM0141M	UCB0603N
LL---126	3	ICB3P106	LPM0141S	LPM0504M
LL---127	3	ICB3P106	LPM0141S	LPM0504S
LL---128	3	ICB3P106	LPM0141S	UCB0603N
LL---129	3	ICB3P106	LPM0504M	UCB0404N
LL---130	3	ICB3P106	LPM0504S	UCB0404N
LL---131	3	ICB3P106	UCB0404N	UCB0603N
LL---132	3	L-11E-02	LCV0121F	LCV0448P
LL---133	3	L-11E-02	LCV0121F	LCV0547F
LL---134	3	L-11E-02	LCV0124P	LCV0547F
LL---135	3	L-11E-02	LCV0126P	LCV0532P
LL---136	3	L-11E-02	LCV0126P	LPM0504M
LL---137	3	L-11E-02	LCV0126P	LPM0504R
LL---138	3	L-11E-02	LCV0126P	LPM0504S
LL---139	3	L-11E-02	LCV0126P	LXV0533X
LL---140	3	L-11E-02	LCV0126P	LXV0538X
LL---141	3	L-11E-02	LCV0126P	LXV0542X
LL---142	3	L-11E-02	LCV0126P	UCB0603N
LL---143	3	L-11E-02	LCV0532P	LPM0141M
LL---144	3	L-11E-02	LCV0532P	LPM0141R
LL---145	3	L-11E-02	LCV0532P	LPM0141S
LL---146	3	L-11E-02	LCV0532P	LXV0127X
LL---147	3	L-11E-02	LCV0532P	LXV0469X
LL---148	3	L-11E-02	LCV0532P	LXV0471X
LL---149	3	L-11E-02	LCV0532P	UCB0404N
LL---150	3	L-11E-02	LPM0141M	LPM0504M
LL---151	3	L-11E-02	LPM0141M	LPM0504R
LL---152	3	L-11E-02	LPM0141M	LPM0504S
LL---153	3	L-11E-02	LPM0141M	LXV0533X

LL---154	3	L-11E-02	LPM0141M	LXV0538X
LL---155	3	L-11E-02	LPM0141M	LXV0542X
LL---156	3	L-11E-02	LPM0141M	UBS2A06H
LL---157	3	L-11E-02	LPM0141M	UCB0603N
LL---158	3	L-11E-02	LPM0141R	LPM0504M
LL---159	3	L-11E-02	LPM0141R	LPM0504R
LL---160	3	L-11E-02	LPM0141R	LPM0504S
LL---161	3	L-11E-02	LPM0141R	LXV0533X
LL---162	3	L-11E-02	LPM0141R	LXV0538X
LL---163	3	L-11E-02	LPM0141R	LXV0542X
LL---164	3	L-11E-02	LPM0141R	UBS2A06H
LL---165	3	L-11E-02	LPM0141R	UCB0603N
LL---166	3	L-11E-02	LPM0141S	LPM0504M
LL---167	3	L-11E-02	LPM0141S	LPM0504R
LL---168	3	L-11E-02	LPM0141S	LPM0504S
LL---169	3	L-11E-02	LPM0141S	LXV0533X
LL---170	3	L-11E-02	LPM0141S	LXV0538X
LL---171	3	L-11E-02	LPM0141S	LXV0542X
LL---172	3	L-11E-02	LPM0141S	UBS2A06H
LL---173	3	L-11E-02	LPM0141S	UCB0603N
LL---174	3	L-11E-02	LPM0504M	LXV0127X
LL---175	3	L-11E-02	LPM0504M	LXV0469X
LL---176	3	L-11E-02	LPM0504M	LXV471AX
LL---177	3	L-11E-02	LPM0504M	UBS2A04H
LL---178	3	L-11E-02	LPM0504M	UCB0404N
LL---179	3	L-11E-02	LPM0504R	LXV0127X
LL---180	3	L-11E-02	LPM0504R	LXV0469X
LL---181	3	L-11E-02	LPM0504R	LXV471AX
LL---182	3	L-11E-02	LPM0504R	UBS2A04H

LL---183	3	L-11E-02	LPM0504R	UCB0404N
LL---184	3	L-11E-02	LPM0504S	LXV0127X
LL---185	3	L-11E-02	LPM0504S	LXV0469X
LL---186	3	L-11E-02	LPM0504S	LXV471AX
LL---187	3	L-11E-02	LPM0504S	UBS2A04H
LL---188	3	L-11E-02	LPM0504S	UCB0404N
LL---189	3	L-11E-02	LXV0127X	LXV0533X
LL---190	3	L-11E-02	LXV0127X	LXV0538X
LL---191	3	L-11E-02	LXV0127X	LXV0542X
LL---192	3	L-11E-02	LXV0127X	UCB0603N
LL---193	3	L-11E-02	LXV0469X	LXV0533X
LL---194	3	L-11E-02	LXV0469X	LXV0538X
LL---195	3	L-11E-02	LXV0469X	LXV0542X
LL---196	3	L-11E-02	LXV0469X	UCB0603N
LL---197	3	L-11E-02	LXV0533X	LXV471AX
LL---198	3	L-11E-02	LXV0533X	UCB0404N
LL---199	3	L-11E-02	LXV0538X	LXV471AX
LL---200	3	L-11E-02	LXV0538X	UCB0404N
LL---201	3	L-11E-02	LXV0542X	LXV471AX
LL---202	3	L-11E-02	LXV0542X	UCB0404N
LL---203	3	L-11E-02	LXV471AX	UCB0603N
LL---204	3	L-11E-02	UBS2A04H	UCB0603N
LL---205	3	L-11E-02	UBS2A06H	UCB0404N
LL---206	3	L-11E-02	UCB0404N	UCB0603N
LL---207	3	LCV0124P	LMV4714P	LMV4730P
LL---208	3	LCV0124P	LMV4730P	LSV4714P
LL---209	3	LCV0126P	LMV4716P	LPM0504M
LL---210	3	LCV0126P	LMV4716P	LPM0504R
LL---211	3	LCV0126P	LMV4716P	LPM0504S

LL---212	3	LCV0126P	LMV4716P	UCB0603N
LL---213	3	LCV0126P	LOPORFIL	LPM0504M
LL---214	3	LCV0126P	LOPORFIL	LPM0504S
LL---215	3	LCV0126P	LOPORFIL	UCB0603N
LL---216	3	LCV0126P	LPM0504M	LPT0140M
LL---217	3	LCV0126P	LPM0504R	LPT0140M
LL---218	3	LCV0126P	LPM0504S	LPT0140M
LL---219	3	LCV0126P	LPT0140M	UCB0603N
LL---220	3	LCV0448P	LMV4715P	LMV4731P
LL---221	3	LCV0448P	LMV4715P	LSV4731P
LL---222	3	LCV0532P	LMV4716P	LPM0141M
LL---223	3	LCV0532P	LMV4716P	LPM0141R
LL---224	3	LCV0532P	LMV4716P	LPM0141S
LL---225	3	LCV0532P	LMV4716P	UCB0404N
LL---226	3	LCV0532P	LOPORFIL	LPM0141M
LL---227	3	LCV0532P	LOPORFIL	LPM0141S
LL---228	3	LCV0532P	LOPORFIL	UCB0404N
LL---229	3	LCV0532P	LPM0141M	LPT0140M
LL---230	3	LCV0532P	LPM0141R	LPT0140M
LL---231	3	LCV0532P	LPM0141S	LPT0140M
LL---232	3	LCV0532P	LPT0140M	UCB0404N
LL---233	3	LMV4716M	LPM0141M	LPM0504M
LL---234	3	LMV4716M	LPM0141M	LPM0504S
LL---235	3	LMV4716M	LPM0141M	UCB0603N
LL---236	3	LMV4716M	LPM0141S	LPM0504M
LL---237	3	LMV4716M	LPM0141S	LPM0504S
LL---238	3	LMV4716M	LPM0141S	UCB0603N
LL---239	3	LMV4716M	LPM0504M	UCB0404N
LL---240	3	LMV4716M	LPM0504S	UCB0404N

LL---241	3	LMV4716M	UCB0404N	UCB0603N
LL---242	3	LMV4716P	LPM0141M	LPM0504M
LL---243	3	LMV4716P	LPM0141M	LPM0504R
LL---244	3	LMV4716P	LPM0141M	LPM0504S
LL---245	3	LMV4716P	LPM0141M	LXV0533X
LL---246	3	LMV4716P	LPM0141M	LXV0538X
LL---247	3	LMV4716P	LPM0141M	LXV0542X
LL---248	3	LMV4716P	LPM0141M	UCB0603N
LL---249	3	LMV4716P	LPM0141R	LPM0504M
LL---250	3	LMV4716P	LPM0141R	LPM0504R
LL---251	3	LMV4716P	LPM0141R	LPM0504S
LL---252	3	LMV4716P	LPM0141R	LXV0533X
LL---253	3	LMV4716P	LPM0141R	LXV0538X
LL---254	3	LMV4716P	LPM0141R	LXV0542X
LL---255	3	LMV4716P	LPM0141R	UCB0603N
LL---256	3	LMV4716P	LPM0141S	LPM0504M
LL---257	3	LMV4716P	LPM0141S	LPM0504R
LL---258	3	LMV4716P	LPM0141S	LPM0504S
LL---259	3	LMV4716P	LPM0141S	LXV0533X
LL---260	3	LMV4716P	LPM0141S	LXV0538X
LL---261	3	LMV4716P	LPM0141S	LXV0542X
LL---262	3	LMV4716P	LPM0141S	UCB0603N
LL---263	3	LMV4716P	LPM0504M	LXV0127X
LL---264	3	LMV4716P	LPM0504M	LXV0469X
LL---265	3	LMV4716P	LPM0504M	LXV471AX
LL---266	3	LMV4716P	LPM0504M	UCB0404N
LL---267	3	LMV4716P	LPM0504R	LXV0127X
LL---268	3	LMV4716P	LPM0504R	LXV0469X
LL---269	3	LMV4716P	LPM0504R	LXV471AX

LL---270	3	LMV4716P	LPM0504R	UCB0404N
LL---271	3	LMV4716P	LPM0504S	LXV0127X
LL---272	3	LMV4716P	LPM0504S	LXV0469X
LL---273	3	LMV4716P	LPM0504S	LXV471AX
LL---274	3	LMV4716P	LPM0504S	UCB0404N
LL---275	3	LMV4716P	LXV0127X	UCB0603N
LL---276	3	LMV4716P	LXV0469X	UCB0603N
LL---277	3	LMV4716P	LXV0533X	UCB0404N
LL---278	3	LMV4716P	LXV0538X	UCB0404N
LL---279	3	LMV4716P	LXV0542X	UCB0404N
LL---280	3	LMV4716P	LXV471AX	UCB0603N
LL---281	3	LMV4716P	UCB0404N	UCB0603N
LL---282	3	LOPORFIL	LPM0141M	LPM0504M
LL---283	3	LOPORFIL	LPM0141M	LPM0504R
LL---284	3	LOPORFIL	LPM0141M	LPM0504S
LL---285	3	LOPORFIL	LPM0141M	LXV0533X
LL---286	3	LOPORFIL	LPM0141M	LXV0538X
LL---287	3	LOPORFIL	LPM0141M	LXV0542X
LL---288	3	LOPORFIL	LPM0141M	UCB0603N
LL---289	3	LOPORFIL	LPM0141R	LPM0504M
LL---290	3	LOPORFIL	LPM0141R	LPM0504R
LL---291	3	LOPORFIL	LPM0141R	LPM0504S
LL---292	3	LOPORFIL	LPM0141R	UCB0603N
LL---293	3	LOPORFIL	LPM0141S	LPM0504M
LL---294	3	LOPORFIL	LPM0141S	LPM0504R
LL---295	3	LOPORFIL	LPM0141S	LPM0504S
LL---296	3	LOPORFIL	LPM0141S	LXV0533X
LL---297	3	LOPORFIL	LPM0141S	LXV0538X
LL---298	3	LOPORFIL	LPM0141S	LXV0542X

LL---299	3	LOPORFIL	LPM0141S	UCB0603N
LL---300	3	LOPORFIL	LPM0504M	LXV0127X
LL---301	3	LOPORFIL	LPM0504M	LXV0469X
LL---302	3	LOPORFIL	LPM0504M	LXV471AX
LL---303	3	LOPORFIL	LPM0504M	UCB0404N
LL---304	3	LOPORFIL	LPM0504R	UCB0404N
LL---305	3	LOPORFIL	LPM0504S	LXV0127X
LL---306	3	LOPORFIL	LPM0504S	LXV0469X
LL---307	3	LOPORFIL	LPM0504S	LXV471AX
LL---308	3	LOPORFIL	LPM0504S	UCB0404N
LL---309	3	LOPORFIL	LXV0127X	UCB0603N
LL---310	3	LOPORFIL	LXV0469X	UCB0603N
LL---311	3	LOPORFIL	LXV0533X	UCB0404N
LL---312	3	LOPORFIL	LXV0538X	UCB0404N
LL---313	3	LOPORFIL	LXV0542X	UCB0404N
LL---314	3	LOPORFIL	LXV471AX	UCB0603N
LL---315	3	LOPORFIL	UCB0404N	UCB0603N
LL---316	3	LPM0141M	LPM0504M	LPT0140M
LL---317	3	LPM0141M	LPM0504M	LPT0140R
LL---318	3	LPM0141M	LPM0504M	LXV0122X
LL---319	3	LPM0141M	LPM0504M	LXV0468X
LL---320	3	LPM0141M	LPM0504M	LXV0471X
LL---321	3	LPM0141M	LPM0504R	LPT0140M
LL---322	3	LPM0141M	LPM0504R	LPT0140R
LL---323	3	LPM0141M	LPM0504R	LXV0122X
LL---324	3	LPM0141M	LPM0504R	LXV0468X
LL---325	3	LPM0141M	LPM0504R	LXV0471X
LL---326	3	LPM0141M	LPM0504S	LPT0140M
LL---327	3	LPM0141M	LPM0504S	LPT0140R

LL---328	3	LPM0141M	LPM0504S	LXV0122X
LL---329	3	LPM0141M	LPM0504S	LXV0468X
LL---330	3	LPM0141M	LPM0504S	LXV0471X
LL---331	3	LPM0141M	LPT0140M	LXV0533X
LL---332	3	LPM0141M	LPT0140M	LXV0538X
LL---333	3	LPM0141M	LPT0140M	LXV0542X
LL---334	3	LPM0141M	LPT0140M	UCB0603N
LL---335	3	LPM0141M	LPT0140R	UCB0603N
LL---336	3	LPM0141M	LXV0122X	UCB0603N
LL---337	3	LPM0141M	LXV0468X	UCB0603N
LL---338	3	LPM0141M	LXV0471X	UCB0603N
LL---339	3	LPM0141R	LPM0504M	LPT0140M
LL---340	3	LPM0141R	LPM0504M	LPT0140R
LL---341	3	LPM0141R	LPM0504M	LXV0122X
LL---342	3	LPM0141R	LPM0504M	LXV0468X
LL---343	3	LPM0141R	LPM0504M	LXV0471X
LL---344	3	LPM0141R	LPM0504R	LPT0140M
LL---345	3	LPM0141R	LPM0504R	LPT0140R
LL---346	3	LPM0141R	LPM0504S	LPT0140M
LL---347	3	LPM0141R	LPM0504S	LPT0140R
LL---348	3	LPM0141R	LPM0504S	LXV0122X
LL---349	3	LPM0141R	LPM0504S	LXV0468X
LL---350	3	LPM0141R	LPM0504S	LXV0471X
LL---351	3	LPM0141R	LPT0140M	LXV0533X
LL---352	3	LPM0141R	LPT0140M	LXV0538X
LL---353	3	LPM0141R	LPT0140M	LXV0542X
LL---354	3	LPM0141R	LPT0140M	UCB0603N
LL---355	3	LPM0141R	LPT0140R	UCB0603N
LL---356	3	LPM0141R	LXV0122X	UCB0603N

LL---357	3	LPM0141R	LXV0468X	UCB0603N
LL---358	3	LPM0141R	LXV0471X	UCB0603N
LL---359	3	LPM0141S	LPM0504M	LPT0140M
LL---360	3	LPM0141S	LPM0504M	LPT0140R
LL---361	3	LPM0141S	LPM0504M	LXV0122X
LL---362	3	LPM0141S	LPM0504M	LXV0468X
LL---363	3	LPM0141S	LPM0504M	LXV0471X
LL---364	3	LPM0141S	LPM0504R	LPT0140M
LL---365	3	LPM0141S	LPM0504R	LPT0140R
LL---366	3	LPM0141S	LPM0504R	LXV0122X
LL---367	3	LPM0141S	LPM0504R	LXV0468X
LL---368	3	LPM0141S	LPM0504R	LXV0471X
LL---369	3	LPM0141S	LPM0504S	LPT0140M
LL---370	3	LPM0141S	LPM0504S	LPT0140R
LL---371	3	LPM0141S	LPM0504S	LXV0122X
LL---372	3	LPM0141S	LPM0504S	LXV0468X
LL---373	3	LPM0141S	LPM0504S	LXV0471X
LL---374	3	LPM0141S	LPT0140M	LXV0533X
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LL---376	3	LPM0141S	LPT0140M	LXV0542X
LL---377	3	LPM0141S	LPT0140M	UCB0603N
LL---378	3	LPM0141S	LPT0140R	UCB0603N
LL---379	3	LPM0141S	LXV0122X	UCB0603N
LL---380	3	LPM0141S	LXV0468X	UCB0603N
LL---381	3	LPM0141S	LXV0471X	UCB0603N
LL---382	3	LPM0504M	LPT0140M	LXV0127X
LL---383	3	LPM0504M	LPT0140M	LXV0469X
LL---384	3	LPM0504M	LPT0140M	LXV471AX
LL---385	3	LPM0504M	LPT0140M	UCB0404N

LL---386	3	LPM0504M	LPT0140R	UCB0404N
LL---387	3	LPM0504M	LXV0122X	UCB0404N
LL---388	3	LPM0504M	LXV0468X	UCB0404N
LL---389	3	LPM0504M	LXV0471X	UCB0404N
LL---390	3	LPM0504R	LPT0140M	LXV0127X
LL---391	3	LPM0504R	LPT0140M	LXV0469X
LL---392	3	LPM0504R	LPT0140M	LXV471AX
LL---393	3	LPM0504R	LPT0140M	UCB0404N
LL---394	3	LPM0504R	LPT0140R	UCB0404N
LL---395	3	LPM0504R	LXV0122X	UCB0404N
LL---396	3	LPM0504R	LXV0468X	UCB0404N
LL---397	3	LPM0504R	LXV0471X	UCB0404N
LL---398	3	LPM0504S	LPT0140M	LXV0127X
LL---399	3	LPM0504S	LPT0140M	LXV0469X
LL---400	3	LPM0504S	LPT0140M	LXV471AX
LL---401	3	LPM0504S	LPT0140M	UCB0404N
LL---402	3	LPM0504S	LPT0140R	UCB0404N
LL---403	3	LPM0504S	LXV0122X	UCB0404N
LL---404	3	LPM0504S	LXV0468X	UCB0404N
LL---405	3	LPM0504S	LXV0471X	UCB0404N
LL---406	3	LPT0140M	LXV0127X	UCB0603N
LL---407	3	LPT0140M	LXV0469X	UCB0603N
LL---408	3	LPT0140M	LXV0533X	UCB0404N
LL---409	3	LPT0140M	LXV0538X	UCB0404N
LL---410	3	LPT0140M	LXV0542X	UCB0404N
LL---411	3	LPT0140M	LXV471AX	UCB0603N
LL---412	3	LPT0140M	UCB0404N	UCB0603N
LL---413	3	LPT0140R	UCB0404N	UCB0603N
LL---414	3	LXV0122X	UCB0404N	UCB0603N

LL---415	3	LXV0468X	UCB0404N	UCB0603N	
LL---416	3	LXV0471X	UCB0404N	UCB0603N	
LL---417	4	CRV00030	IBYB007H	NROSP51M	UGE2G03M
LL---418	4	CRV00030	IBYB007H	NROSP51M	UGE2G03R
LL---419	4	CRV00030	IBYB008H	NROSP51M	UGE2G02M
LL---420	4	CRV00030	IBYB008H	NROSP51M	UGE2G02R
LL---421	4	CRV00030	ICB1D103	NROSP51M	UGE2G03M
LL---422	4	CRV00030	ICB1D103	NROSP51M	UGE2G03R
LL---423	4	CRV00030	ICB1P101	NROSP51M	UGE2G03M
LL---424	4	CRV00030	ICB1P101	NROSP51M	UGE2G03R
LL---425	4	CRV00030	ICB2D203	NROSP51M	UGE2G02M
LL---426	4	CRV00030	ICB2D203	NROSP51M	UGE2G02R
LL---427	4	CRV00030	ICB2P101	NROSP51M	UGE2G02M
LL---428	4	CRV00030	ICB2P101	NROSP51M	UGE2G02R
LL---429	4	CRV00030	LCV0121F	NROSP51M	UGE2G03M
LL---430	4	CRV00030	LCV0121F	NROSP51M	UGE2G03R
LL---431	4	CRV00030	LCV0124P	LOPCROSV	LPM0504M
LL---432	4	CRV00030	LCV0124P	NROSP51M	UCB0613N
LL---433	4	CRV00030	LCV0124P	NROSP51M	UGE2G03M
LL---434	4	CRV00030	LCV0124P	NROSP51M	UGE2G03R
LL---435	4	CRV00030	LCV0126P	NROSP51M	UCB0613N
LL---436	4	CRV00030	LCV0126P	NROSP51M	UGE2G03M
LL---437	4	CRV00030	LCV0126P	NROSP51M	UGE2G03R
LL---438	4	CRV00030	LCV0448P	LOPCROSV	LPM0141M
LL---439	4	CRV00030	LCV0448P	NROSP51M	UCB0413N
LL---440	4	CRV00030	LCV0448P	NROSP51M	UGE2G02M
LL---441	4	CRV00030	LCV0448P	NROSP51M	UGE2G02R
LL---442	4	CRV00030	LCV0532P	NROSP51M	UCB0413N
LL---443	4	CRV00030	LCV0532P	NROSP51M	UGE2G02M

LL---444	4	CRV00030	LCV0532P	NROSP51M	UGE2G02R
LL---445	4	CRV00030	LCV0547F	NROSP51M	UGE2G02M
LL---446	4	CRV00030	LCV0547F	NROSP51M	UGE2G02R
LL---447	4	CRV00030	LPM0141M	NROSP51M	UCAG003A
LL---448	4	CRV00030	LPM0141M	NROSP51M	UCB0613N
LL---449	4	CRV00030	LPM0141M	NROSP51M	UGE2G03M
LL---450	4	CRV00030	LPM0141M	NROSP51M	UGE2G03R
LL---451	4	CRV00030	LPM0141R	NROSP51M	UCB0613N
LL---452	4	CRV00030	LPM0141R	NROSP51M	UGE2G03M
LL---453	4	CRV00030	LPM0141R	NROSP51M	UGE2G03R
LL---454	4	CRV00030	LPM0141S	NROSP51M	UCB0613N
LL---455	4	CRV00030	LPM0141S	NROSP51M	UGE2G03M
LL---456	4	CRV00030	LPM0141S	NROSP51M	UGE2G03R
LL---457	4	CRV00030	LPM0504M	NROSP51M	UCAG002A
LL---458	4	CRV00030	LPM0504M	NROSP51M	UCB0413N
LL---459	4	CRV00030	LPM0504M	NROSP51M	UGE2G02M
LL---460	4	CRV00030	LPM0504M	NROSP51M	UGE2G02R
LL---461	4	CRV00030	LPM0504R	NROSP51M	UCB0413N
LL---462	4	CRV00030	LPM0504R	NROSP51M	UGE2G02M
LL---463	4	CRV00030	LPM0504R	NROSP51M	UGE2G02R
LL---464	4	CRV00030	LPM0504S	NROSP51M	UCB0413N
LL---465	4	CRV00030	LPM0504S	NROSP51M	UGE2G02M
LL---466	4	CRV00030	LPM0504S	NROSP51M	UGE2G02R
LL---467	4	CRV00030	LXV0127X	NROSP51M	UCB0613N
LL---468	4	CRV00030	LXV0127X	NROSP51M	UGE2G03M
LL---469	4	CRV00030	LXV0127X	NROSP51M	UGE2G03R
LL---470	4	CRV00030	LXV0469X	NROSP51M	UCB0613N
LL---471	4	CRV00030	LXV0469X	NROSP51M	UGE2G03M
LL---472	4	CRV00030	LXV0469X	NROSP51M	UGE2G03R

LL---473	4	CRV00030	LXV0533X	NROSP51M	UCB0413N
LL---474	4	CRV00030	LXV0533X	NROSP51M	UGE2G02M
LL---475	4	CRV00030	LXV0533X	NROSP51M	UGE2G02R
LL---476	4	CRV00030	LXV0538X	NROSP51M	UCB0413N
LL---477	4	CRV00030	LXV0538X	NROSP51M	UGE2G02M
LL---478	4	CRV00030	LXV0538X	NROSP51M	UGE2G02R
LL---479	4	CRV00030	LXV0542X	NROSP51M	UCB0413N
LL---480	4	CRV00030	LXV0542X	NROSP51M	UGE2G02M
LL---481	4	CRV00030	LXV0542X	NROSP51M	UGE2G02R
LL---482	4	CRV00030	LXV471AX	NROSP51M	UCB0613N
LL---483	4	CRV00030	LXV471AX	NROSP51M	UGE2G03M
LL---484	4	CRV00030	LXV471AX	NROSP51M	UGE2G03R
LL---485	4	CRV00030	NROSP51M	UCAG002A	UGE2G03M
LL---486	4	CRV00030	NROSP51M	UCAG002A	UGE2G03R
LL---487	4	CRV00030	NROSP51M	UCAG003A	UGE2G02M
LL---488	4	CRV00030	NROSP51M	UCAG003A	UGE2G02R
LL---489	4	CRV00030	NROSP51M	UCB0404N	UCB0613N
LL---490	4	CRV00030	NROSP51M	UCB0404N	UGE2G03M
LL---491	4	CRV00030	NROSP51M	UCB0404N	UGE2G03R
LL---492	4	CRV00030	NROSP51M	UCB0413N	UCB0603N
LL---493	4	CRV00030	NROSP51M	UCB0413N	UCB0613N
LL---494	4	CRV00030	NROSP51M	UCB0413N	UGE2G03M
LL---495	4	CRV00030	NROSP51M	UCB0413N	UGE2G03R
LL---496	4	CRV00030	NROSP51M	UCB0603N	UGE2G02M
LL---497	4	CRV00030	NROSP51M	UCB0603N	UGE2G02R
LL---498	4	CRV00030	NROSP51M	UCB0613N	UGE2G02M
LL---499	4	CRV00030	NROSP51M	UCB0613N	UGE2G02R
LL---500	4	EFAS1CCF	KEFAS2B	KOPEFAS	L-11E-02
LL---501	4	EFAS1CCF	KOPEFAS	L-11E-02	LCV0532P

LL---502	4	EFAS1CCF	KOPEFAS	L-11E-02	LPM0504M
LL---503	4	EFAS1CCF	KOPEFAS	L-11E-02	LPM0504R
LL---504	4	EFAS1CCF	KOPEFAS	L-11E-02	LPM0504S
LL---505	4	EFAS1CCF	KOPEFAS	L-11E-02	LXV0533X
LL---506	4	EFAS1CCF	KOPEFAS	L-11E-02	LXV0538X
LL---507	4	EFAS1CCF	KOPEFAS	L-11E-02	LXV0542X
LL---508	4	EFAS1CCF	KOPEFAS	L-11E-02	UCB0603N
LL---509	4	EFAS2CCF	KEFAS1A	KOPEFAS	L-11E-02
LL---510	4	EFAS2CCF	KOPEFAS	L-11E-02	LCV0126P
LL---511	4	EFAS2CCF	KOPEFAS	L-11E-02	LPM0141M
LL---512	4	EFAS2CCF	KOPEFAS	L-11E-02	LPM0141R
LL---513	4	EFAS2CCF	KOPEFAS	L-11E-02	LPM0141S
LL---514	4	EFAS2CCF	KOPEFAS	L-11E-02	LXV0127X
LL---515	4	EFAS2CCF	KOPEFAS	L-11E-02	LXV0469X
LL---516	4	EFAS2CCF	KOPEFAS	L-11E-02	LXV471AX
LL---517	4	EFAS2CCF	KOPEFAS	L-11E-02	UCB0404N
LL---518	4	IBEB009H	LPM0504M	NROSP51M	UGE2G02M
LL---519	4	IBEB009H	LPM0504M	NROSP51M	UGE2G02R
LL---520	4	IBEB009H	LPM0504R	NROSP51M	UGE2G02M
LL---521	4	IBEB009H	LPM0504R	NROSP51M	UGE2G02R
LL---522	4	IBEB009H	LPM0504S	NROSP51M	UGE2G02M
LL---523	4	IBEB009H	LPM0504S	NROSP51M	UGE2G02R
LL---524	4	IBEB009H	NROSP51M	UCB0413N	UGE2G03M
LL---525	4	IBEB009H	NROSP51M	UCB0413N	UGE2G03R
LL---526	4	IBEB009H	NROSP51M	UCB0603N	UGE2G02M
LL---527	4	IBEB009H	NROSP51M	UCB0603N	UGE2G02R
LL---528	4	IBEB009H	NROSP51M	UCB0613N	UGE2G02M
LL---529	4	IBEB009H	NROSP51M	UCB0613N	UGE2G02R
LL---530	4	IBSD1P1H	L-11E-02	LMV4714P	LOPCROSV

L---531	4	IBSD1P1H	L-11E-02	LMV4714P	NROSP51M
LL---532	4	IBSD1P1H	L-11E-02	NROSP51M	UCB0613N
LL---533	4	IBSD1P1H	L-11E-02	NROSP51M	UGE2G03M
LL---534	4	IBSD1P1H	L-11E-02	NROSP51M	UGE2G03R
LL---535	4	IBSD2P1H	L-11E-02	LPM0141M	NROSP51M
LL---536	4	IBSD2P1H	L-11E-02	LPM0141S	NROSP51M
LL---537	4	IBSD2P1H	L-11E-02	NROSP51M	UCB0404N
LL---538	4	IBSD2P1H	L-11E-02	NROSP51M	UCB0413N
LL---539	4	IBSD2P1H	L-11E-02	NROSP51M	UGE2G02M
LL---540	4	IBSD2P1H	L-11E-02	NROSP51M	UGE2G02R
LL---541	4	IBSD2P2H	L-11E-02	LMV4731P	LOPCROSV
LL---542	4	IBSD2P2H	L-11E-02	NROSP51M	UCB0413N
LL---543	4	IBSD2P2H	L-11E-02	NROSP51M	UGE2G02M
LL---544	4	IBSD2P2H	L-11E-02	NROSP51M	UGE2G02R
LL---545	4	IBYB007H	IBYB008H	L-11E-02	NROSP51M
LL---546	4	IBYB007H	ICB2D203	L-11E-02	NROSP51M
LL---547	4	IBYB007H	ICB2P101	L-11E-02	NROSP51M
LL---548	4	IBYB007H	L-11E-02	LCV0448P	NROSP51M
LL---549	4	IBYB007H	L-11E-02	LCV0532P	NROSP51M
LL---550	4	IBYB007H	L-11E-02	LMV4714M	NROSP51M
LL---551	4	IBYB007H	L-11E-02	LMV4714P	NROSP51M
LL---552	4	IBYB007H	L-11E-02	LPM0504M	NROSP51M
LL---553	4	IBYB007H	L-11E-02	LPM0504R	NROSP51M
LL---554	4	IBYB007H	L-11E-02	LPM0504S	NROSP51M
LL---555	4	IBYB007H	L-11E-02	LSV4714P	NROSP51M
LL---556	4	IBYB007H	L-11E-02	LXV0533X	NROSP51M
LL---557	4	IBYB007H	L-11E-02	LXV0538X	NROSP51M
LL---558	4	IBYB007H	L-11E-02	LXV0542X	NROSP51M
LL---559	4	IBYB007H	L-11E-02	NROSP51M	UCAG003A

LL---560	4	IBYB007H	L-11E-02	NROSP51M	UCBBZ210
LL---561	4	IBYB007H	L-11E-02	NROSP51M	UCB0603N
LL---562	4	IBYB007H	L-11E-02	NROSP51M	UCB0613N
LL---563	4	IBYB007H	L-11E-02	NROSP51M	UGE2G03M
LL---564	4	IBYB007H	L-11E-02	NROSP51M	UGE2G03R
LL---565	4	IBYB007H	LMV4706P	NROSP51M	UGE2G03M
LL---566	4	IBYB007H	LMV4706P	NROSP51M	UGE2G03R
LL---567	4	IBYB007H	LMV4706R	NROSP51M	UGE2G03M
LL---568	4	IBYB007H	LMV4706R	NROSP51M	UGE2G03R
LL---569	4	IBYB007H	LMV4715P	NROSP51M	UGE2G03M
LL---570	4	IBYB007H	LMV4715P	NROSP51M	UGE2G03R
LL---571	4	IBYB007H	LMV4716P	NROSP51M	UGE2G03M
LL---572	4	IBYB007H	LMV4716P	NROSP51M	UGE2G03R
LL---573	4	IBYB007H	LOPORFIL	NROSP51M	UGE2G03M
LL---574	4	IBYB007H	LOPORFIL	NROSP51M	UGE2G03R
LL---575	4	IBYB007H	LPM0504M	LPT0140M	NROSP51M
LL---576	4	IBYB007H	LPT0140M	NROSP51M	UGE2G03M
LL---577	4	IBYB007H	LPT0140M	NROSP51M	UGE2G03R
LL---578	4	IBYB007H	LPT0140R	NROSP51M	UGE2G03R
LL---579	4	IBYB008H	ICB1D103	L-11E-02	NROSP51M
LL---580	4	IBYB008H	ICB1P101	L-11E-02	NROSP51M
LL---581	4	IBYB008H	L-11E-02	LCV0124P	NROSP51M
LL---582	4	IBYB008H	L-11E-02	LCV0126P	NROSP51M
LL---583	4	IBYB008H	L-11E-02	LPM0141M	NROSP51M
LL---584	4	IBYB008H	L-11E-02	LPM0141R	NROSP51M
LL---585	4	IBYB008H	L-11E-02	LPM0141S	NROSP51M
LL---586	4	IBYB008H	L-11E-02	LXV0127X	NROSP51M
LL---587	4	IBYB008H	L-11E-02	LXV0469X	NROSP51M
LL---588	4	IBYB008H	L-11E-02	LXV471AX	NROSP51M

LL---589	4	IBYB008H	L-11E-02	NROSP51M	UCAG002A
LL---590	4	IBYB008H	L-11E-02	NROSP51M	UCB0404N
LL---591	4	IBYB008H	L-11E-02	NROSP51M	UCB0413N
LL---592	4	IBYB008H	L-11E-02	NROSP51M	UGE2G02M
LL---593	4	IBYB008H	L-11E-02	NROSP51M	UGE2G02R
LL---594	4	IBYB008H	LMV4716P	NROSP51M	UGE2G02M
LL---595	4	IBYB008H	LMV4716P	NROSP51M	UGE2G02R
LL---596	4	IBYB008H	LOPORFIL	NROSP51M	UGE2G02M
LL---597	4	IBYB008H	LOPORFIL	NROSP51M	UGE2G02R
LL---598	4	IBYB008H	LPM0141M	LPT0140M	NROSP51M
LL---599	4	IBYB008H	LPT0140M	NROSP51M	UGE2G02M
LL---600	4	IBYB008H	LPT0140M	NROSP51M	UGE2G02R
LL---601	4	IBYB008H	LPT0140R	NROSP51M	UGE2G02R
LL---602	4	ICB1D103	L-11E-02	LCV0448P	LOPCROSV
LL---603	4	ICB1D103	L-11E-02	NROSP51M	UCAG003A
LL---604	4	ICB1D103	L-11E-02	NROSP51M	UCB0613N
LL---605	4	ICB1D103	L-11E-02	NROSP51M	UGE2G03M
LL---606	4	ICB1D103	L-11E-02	NROSP51M	UGE2G03R
LL---607	4	ICB1D103	LMV4716P	NROSP51M	UGE2G03M
LL---608	4	ICB1D103	LMV4716P	NROSP51M	UGE2G03R
LL---609	4	ICB1D103	LOPORFIL	NROSP51M	UGE2G03M
LL---610	4	ICB1D103	LOPORFIL	NROSP51M	UGE2G03R
LL---611	4	ICB1D103	LPM0504M	LPT0140S	LPT0140Y
LL---612	4	ICB1D103	LPM0504R	LPT0140S	LPT0140Y
LL---613	4	ICB1D103	LPM0504S	LPT0140S	LPT0140Y
LL---614	4	ICB1D103	LPT0140M	NROSP51M	UCB0613N
LL---615	4	ICB1D103	LPT0140M	NROSP51M	UGE2G03M
LL---616	4	ICB1D103	LPT0140M	NROSP51M	UGE2G03R
LL---617	4	ICB1D103	LPT0140R	NROSP51M	UGE2G03R

LL---618	4	ICB1D103	LPT0140S	LPT0140Y	UCB0603N
LL---619	4	ICB1P101	L-11E-02	LCV0448P	LOPCROSV
LL---620	4	ICB1P101	L-11E-02	NROSP51M	UCAG003A
LL---621	4	ICB1P101	L-11E-02	NROSP51M	UCB0613N
LL---622	4	ICB1P101	L-11E-02	NROSP51M	UGE2G03M
LL---623	4	ICB1P101	L-11E-02	NROSP51M	UGE2G03R
LL---624	4	ICB1P101	LMV4716P	NROSP51M	UGE2G03M
LL---625	4	ICB1P101	LMV4716P	NROSP51M	UGE2G03R
LL---626	4	ICB1P101	LOPORFIL	NROSP51M	UGE2G03M
LL---627	4	ICB1P101	LOPORFIL	NROSP51M	UGE2G03R
LL---628	4	ICB1P101	LPM0504M	LPT0140S	LPT0140Y
LL---629	4	ICB1P101	LPM0504R	LPT0140S	LPT0140Y
LL---630	4	ICB1P101	LPM0504S	LPT0140S	LPT0140Y
LL---631	4	ICB1P101	LPT0140M	NROSP51M	UCB0613N
LL---632	4	ICB1P101	LPT0140M	NROSP51M	UGE2G03M
LL---633	4	ICB1P101	LPT0140M	NROSP51M	UGE2G03R
LL---634	4	ICB1P101	LPT0140R	NROSP51M	UGE2G03R
LL---635	4	ICB1P101	LPT0140S	LPT0140Y	UCB0603N
LL---636	4	ICB2D203	L-11E-02	LCV0124P	LOPCROSV
LL---637	4	ICB2D203	L-11E-02	NROSP51M	UCAG002A
LL---638	4	ICB2D203	L-11E-02	NROSP51M	UCB0413N
LL---639	4	ICB2D203	L-11E-02	NROSP51M	UGE2G02M
LL---640	4	ICB2D203	L-11E-02	NROSP51M	UGE2G02R
LL---641	4	ICB2D203	LMV4716P	NROSP51M	UGE2G02M
LL---642	4	ICB2D203	LMV4716P	NROSP51M	UGE2G02R
LL- 643	4	ICB2D203	LOPORFIL	NROSP51M	UGE2G02M
LL---644	4	ICB2D203	LOPORFIL	NROSP51M	UGE2G02R
LL---645	4	ICB2D203	LPM0141M	LPT0140S	LPT0140Y
LL---646	4	ICB2D203	LPM0141R	LPT0140S	LPT0140Y

LL---647	4	ICB2D203	LPM0141S	LPT0140S	LPT0140Y
LL---648	4	ICB2D203	LPT0140M	NROSP51M	UCB0413N
LL---649	4	ICB2D203	LPT0140M	NROSP51M	UGE2G02M
LL---650	4	ICB2D203	LPT0140M	NROSP51M	UGE2G02R
LL---651	4	ICB2D203	LPT0140R	NROSP51M	UGE2G02R
LL---652	4	ICB2D203	LPT0140S	LPT0140Y	UCB0404N
LL---653	4	ICB2P101	L-11E-02	LCV0124P	LOPCROSV
LL---654	4	ICB2P101	L-11E-02	NROSP51M	UCAG002A
LL---655	4	ICB2P101	L-11E-02	NROSP51M	UCB0413N
LL---656	4	ICB2P101	L-11E-02	NROSP51M	UGE2G02M
LL---657	4	ICB2P101	L-11E-02	NROSP51M	UGE2G02R
LL---658	4	ICB2P101	LMV4716P	NROSP51M	UGE2G02M
LL---659	4	ICB2P101	LMV4716P	NROSP51M	UGE2G02R
LL---660	4	ICB2P101	LOPORFIL	NROSP51M	UGE2G02M
LL---661	4	ICB2P101	LOPORFIL	NROSP51M	UGE2G02R
LL---662	4	ICB2P101	LPM0141M	LPT0140S	LPT0140Y
LL---663	4	ICB2P101	LPM0141R	LPT0140S	LPT0140Y
LL---664	4	ICB2P101	LPM0141S	LPT0140S	LPT0140Y
LL---665	4	ICB2P101	LPT0140M	NROSP51M	UCB0413N
LL---666	4	ICB2P101	LPT0140M	NROSP51M	UGE2G02M
LL---667	4	ICB2P101	LPT0140M	NROSP51M	UGE2G02R
LL---668	4	ICB2P101	LPT0140R	NROSP51M	UGE2G02R
LL---669	4	ICB2P101	LPT0140S	LPT0140Y	UCB0404N
LL---670	4	ICB3P106	LPM0141M	NROSP51M	UCB0613N
LL---671	4	ICB3P106	LPM0141M	NROSP51M	UGE2G03M
LL---672	4	ICB3P106	LPM0141M	NROSP51M	UGE2G03R
LL---673	4	ICB3P106	LPM0141R	NROSP51M	UGE2G03M
LL---674	4	ICB3P106	LPM0141R	NROSP51M	UGE2G03R
LL---675	4	ICB3P106	LPM0141S	NROSP51M	UGE2G03M

LL---676	4	ICB3P106	LPM0141S	NROSP51M	UGE2G03R
LL---677	4	ICB3P106	LPM0504M	NROSP51M	UCB0413N
LL---678	4	ICB3P106	LPM0504M	NROSP51M	UGE2G02M
LL---679	4	ICB3P106	LPM0504M	NROSP51M	UGE2G02R
LL---680	4	ICB3P106	LPM0504R	NROSP51M	UGE2G02M
LL---681	4	ICB3P106	LPM0504R	NROSP51M	UGE2G02R
LL---682	4	ICB3P106	LPM0504S	NROSP51M	UGE2G02M
LL---683	4	ICB3P106	LPM0504S	NROSP51M	UGE2G02R
LL---684	4	ICB3P106	NROSP51M	UCB0404N	UGE2G03M
LL---685	4	ICB3P106	NROSP51M	UCB0404N	UGE2G03R
LL---686	4	ICB3P106	NROSP51M	UCB0413N	UGE2G03M
LL---687	4	ICB3P106	NROSP51M	UCB0413N	UGE2G03R
LL---688	4	ICB3P106	NROSP51M	UCB0603N	UGE2G02M
LL---689	4	ICB3P106	NROSP51M	UCB0603N	UGE2G02R
LL---690	4	ICB3P106	NROSP51M	UCB0613N	UGE2G02M
LL---691	4	ICB3P106	NROSP51M	UCB0613N	UGE2G02R
LL---692	4	IIV0001X	L-11E-02	LCV0448P	LMV4713P
LL---693	4	IIV0001X	L-11E-02	LCV0448P	LMV4713R
LL---694	4	IIV0002X	L-11E-02	LCV0124P	LMV4712P
LL---695	4	IIV0002X	L-11E-02	LCV0124P	LMV4712R
LL---696	4	KEFAS1A	KOPEFAS	L-11E-02	LPM0504M
LL---697	4	KEFAS1A	KOPEFAS	L-11E-02	LPM0504R
LL---698	4	KEFAS1A	KOPEFAS	L-11E-02	LPM0504S
LL---699	4	KEFAS1A	KOPEFAS	L-11E-02	UCB0603N
LL---700	4	KEFAS2B	KOPEFAS	L-11E-02	LPM0141M
LL---701	4	KEFAS2B	KOPEFAS	L-11E-02	LPM0141R
LL---702	4	KEFAS2B	KOPEFAS	L-11E-02	LPM0141S
LL---703	4	KEFAS2B	KOPEFAS	L-11E-02	UCB0404N
LL---704	4	L-11E-02	LCV0121F	LCV0532P	LOPCR05V

LL---705	4	L-11E-02	LCV0121F	LMV4712P	LMV4762P
LL---706	4	L-11E-02	LCV0121F	LMV4712P	LOP4762X
LL---707	4	L-11E-02	LCV0121F	LMV4714P	LMV4730P
LL---708	4	L-11E-02	LCV0121F	LOPCROSV	LPM0504M
LL---709	4	L-11E-02	LCV0121F	LOPCROSV	LPM0504R
LL---710	4	L-11E-02	LCV0121F	LOPCROSV	LPM0504S
LL---711	4	L-11E-02	LCV0121F	LOPCROSV	LXV0533X
LL---712	4	L-11E-02	LCV0121F	LOPCROSV	LXV0538X
LL---713	4	L-11E-02	LCV0121F	LOPCROSV	LXV0542X
LL---714	4	L-11E-02	LCV0121F	LOPCROSV	UCB0603N
LL---715	4	L-11E-02	LCV0121F	NROSP51M	UCAG003A
LL---716	4	L-11E-02	LCV0121F	NROSP51M	UCB0613N
LL---717	4	L-11E-02	LCV0121F	NROSP51M	UGE2G03M
LL---718	4	L-11E-02	LCV0121F	NROSP51M	UGE2G03R
LL---719	4	L-11E-02	LCV0124P	LCV0532P	LOPCROSV
LL---720	4	L-11E-02	LCV0124P	LMV4712P	LMV4762P
LL---721	4	L-11E-02	LCV0124P	LMV4712P	LOP4762X
LL---722	4	L-11E-02	LCV0124P	LMV4712R	LMV4762P
LL---723	4	L-11E-02	LCV0124P	LMV4712R	LOP4762X
LL---724	4	L-11E-02	LCV0124P	LOPCROSV	LPM0504M
LL---725	4	L-11E-02	LCV0124P	LOPCROSV	LPM0504R
LL---726	4	L-11E-02	LCV0124P	LOPCROSV	LPM0504S
LL---727	4	L-11E-02	LCV0124P	LOPCROSV	LXV0533X
LL---728	4	L-11E-02	LCV0124P	LOPCROSV	LXV0538X
LL---729	4	L-11E-02	LCV0124P	LOPCROSV	LXV0542X
LL---730	4	L-11E-02	LCV0124P	LOPCROSV	UCB0603N
LL---731	4	L-11E-02	LCV0124P	NROSP51M	UCAG003A
LL---732	4	L-11E-02	LCV0124P	NROSP51M	UCB0613N
LL---733	4	L-11E-02	LCV0124P	NROSP51M	UGE2G03M

LL---734	4	L-11E-02	LCV0124P	NROSP51M	UGE2G03R
LL---735	4	L-11E-02	LCV0126P	LCV0448P	LOPCROSV
LL---736	4	L-11E-02	LCV0126P	LCV0547F	LOPCROSV
LL---737	4	L-11E-02	LCV0126P	NROSP51M	UCAG003A
LL---738	4	L-11E-02	LCV0126P	NROSP51M	UCB0613N
LL---739	4	L-11E-02	LCV0126P	NROSP51M	UGE2G03M
LL---740	4	L-11E-02	LCV0126P	NROSP51M	UGE2G03R
LL---741	4	L-11E-02	LCV0448P	LMV4713P	LMV4763P
LL---742	4	L-11E-02	LCV0448P	LMV4713P	LOP4763X
LL---743	4	L-11E-02	LCV0448P	LMV4713R	LMV4763P
LL---744	4	L-11E-02	LCV0448P	LMV4713R	LOP4763X
LL---745	4	L-11E-02	LCV0448P	LOPCROSV	LPM0141M
LL---746	4	L-11E-02	LCV0448P	LOPCROSV	LPM0141R
LL---747	4	L-11E-02	LCV0448P	LOPCROSV	LPM0141S
LL---748	4	L-11E-02	LCV0448P	LOPCROSV	LXV0127X
LL---749	4	L-11E-02	LCV0448P	LOPCROSV	LXV0469X
LL---750	4	L-11E-02	LCV0448P	LOPCROSV	LXV471AX
LL---751	4	L-11E-02	LCV0448P	LOPCROSV	UCB0404N
LL---752	4	L-11E-02	LCV0448P	NROSP51M	UCAG002A
LL---753	4	L-11E-02	LCV0448P	NROSP51M	UCB0413N
LL---754	4	L-11E-02	LCV0448P	NROSP51M	UGE2G02M
LL---755	4	L-11E-02	LCV0448P	NROSP51M	UGE2G02R
LL---756	4	L-11E-02	LCV0532P	NROSP51M	UCAG002A
LL---757	4	L-11E-02	LCV0532P	NROSP51M	UCB0413N
LL---758	4	L-11E-02	LCV0532P	NROSP51M	UGE2G02M
LL---759	4	L-11E-02	LCV0532P	NROSP51M	UGE2G02R
LL---760	4	L-11E-02	LCV0547F	LMV4713P	LMV4763P
LL---761	4	L-11E-02	LCV0547F	LMV4713P	LOP4763X
LL---762	4	L-11E-02	LCV0547F	LMV4715P	LMV4731P

LL---763	4	L-11E-02	LCV0547F	LOPCROSV	LPM0141M
LL---764	4	L-11E-02	LCV0547F	LOPCROSV	LPM0141R
LL---765	4	L-11E-02	LCV0547F	LOPCROSV	LPM0141S
LL---766	4	L-11E-02	LCV0547F	LOPCROSV	LXV0127X
LL---767	4	L-11E-02	LCV0547F	LOPCROSV	LXV0469X
LL---768	4	L-11E-02	LCV0547F	LOPCROSV	LXV471AX
LL---769	4	L-11E-02	LCV0547F	LOPCROSV	UCB0404N
LL---770	4	L-11E-02	LCV0547F	NROSP51M	UCAG002A
LL---771	4	L-11E-02	LCV0547F	NROSP51M	UCB0413N
LL---772	4	L-11E-02	LCV0547F	NROSP51M	UGE2G02M
LL---773	4	L-11E-02	LCV0547F	NROSP51M	UGE2G02R
LL---774	4	L-11E-02	LPM0141M	NROSP51M	UCAG003A
LL---775	4	L-11E-02	LPM0141M	NROSP51M	UCB0613N
LL---776	4	L-11E-02	LPM0141M	NROSP51M	UGE2G03M
LL---777	4	L-11E-02	LPM0141M	NROSP51M	UGE2G03R
LL---778	4	L-11E-02	LPM0141R	NROSP51M	UCAG003A
LL---779	4	L-11E-02	LPM0141R	NROSP51M	UCB0613N
LL---780	4	L-11E-02	LPM0141R	NROSP51M	UGE2G03M
LL---781	4	L-11E-02	LPM0141R	NROSP51M	UGE2G03R
LL---782	4	L-11E-02	LPM0141S	NROSP51M	UCAG003A
LL---783	4	L-11E-02	LPM0141S	NROSP51M	UCB0613N
LL---784	4	L-11E-02	LPM0141S	NROSP51M	UGE2G03M
LL---785	4	L-11E-02	LPM0141S	NROSP51M	UGE2G03R
LL---786	4	L-11E-02	LPM0504M	NROSP51M	UCAG002A
LL---787	4	L-11E-02	LPM0504M	NROSP51M	UCB0413N
LL---788	4	L-11E-02	LPM0504M	NROSP51M	UGE2G02M
LL---789	4	L-11E-02	LPM0504M	NROSP51M	UGE2G02R
LL---790	4	L-11E-02	LPM0504R	NROSP51M	UCAG002A
LL---791	4	L-11E-02	LPM0504R	NROSP51M	UCB0413N

LL---792	4	L-11E-02	LPM0504R	NROSP51M	UGE2G02M
LL---793	4	L-11E-02	LPM0504R	NROSP51M	UGE2G02R
LL---794	4	L-11E-02	LPM0504S	NROSP51M	UCAG002A
LL---795	4	L-11E-02	LPM0504S	NROSP51M	UCB0413N
LL---796	4	L-11E-02	LPM0504S	NROSP51M	UGE2G02M
LL---797	4	L-11E-02	LPM0504S	NROSP51M	UGE2G02R
LL---798	4	L-11E-02	LXV0127X	NROSP51M	UCAG003A
LL---799	4	L-11E-02	LXV0127X	NROSP51M	UCB0613N
LL---800	4	L-11E-02	LXV0127X	NROSP51M	UGE2G03M
LL---801	4	L-11E-02	LXV0127X	NROSP51M	UGE2G03R
LL---802	4	L-11E-02	LXV0469X	NROSP51M	UCAG003A
LL---803	4	L-11E-02	LXV0469X	NROSP51M	UCB0613N
LL---804	4	L-11E-02	LXV0469X	NROSP51M	UGE2G03M
LL---805	4	L-11E-02	LXV0469X	NROSP51M	UGE2G03R
LL---806	4	L-11E-02	LXV0533X	NROSP51M	UCAG002A
LL---807	4	L-11E-02	LXV0533X	NROSP51M	UCB0413N
LL---808	4	L-11E-02	LXV0533X	NROSP51M	UGE2G02M
LL---809	4	L-11E-02	LXV0533X	NROSP51M	UGE2G02R
LL---810	4	L-11E-02	LXV0538X	NROSP51M	UCAG002A
LL---811	4	L-11E-02	LXV0538X	NROSP51M	UCB0413N
LL---812	4	L-11E-02	LXV0538X	NROSP51M	UGE2G02M
LL---813	4	L-11E-02	LXV0538X	NROSP51M	UGE2G02R
LL---814	4	L-11E-02	LXV0542X	NROSP51M	UCAG002A
LL---815	4	L-11E-02	LXV0542X	NROSP51M	UCB0413N
LL---816	4	L-11E-02	LXV0542X	NROSP51M	UGE2G02M
LL---817	4	L-11E-02	LXV0542X	NROSP51M	UGE2G02R
LL---818	4	L-11E-02	LXV471AX	NROSP51M	UCAG003A
LL---819	4	L-11E-02	LXV471AX	NROSP51M	UCB0613N
LL---820	4	L-11E-02	LXV471AX	NROSP51M	UGE2G03M

LL---821	4	L-11E-02	LXV471AX	NROSP51M	UGE2G03R
LL---822	4	L-11E-02	NROSP51M	UBS2A04H	UCB0613N
LL---823	4	L-11E-02	NROSP51M	UBS2A04H	UGE2G03M
LL---824	4	L-11E-02	NROSP51M	UBS2A04H	UGE2G03R
LL---825	4	L-11E-02	NROSP51M	UBS2A06H	UCB0413N
LL---826	4	L-11E-02	NROSP51M	UBS2A06H	UGE2G02M
LL---827	4	L-11E-02	NROSP51M	UBS2A06H	UGE2G02R
LL---828	4	L-11E-02	NROSP51M	UCAG002A	UCAG003A
LL---829	4	L-11E-02	NROSP51M	UCAG002A	UCB0603N
LL---830	4	L-11E-02	NROSP51M	UCAG002A	UCB0613N
LL---831	4	L-11E-02	NROSP51M	UCAG002A	UGE2G03M
LL---832	4	L-11E-02	NROSP51M	UCAG002A	UGE2G03R
LL---833	4	L-11E-02	NROSP51M	UCAG003A	UCB0404N
LL---834	4	L-11E-02	NROSP51M	UCAG003A	UCB0413N
LL---835	4	L-11E-02	NROSP51M	UCAG003A	UGE2G02M
LL---836	4	L-11E-02	NROSP51M	UCAG003A	UGE2G02R
LL---837	4	L-11E-02	NROSP51M	UCB0404N	UCB0613N
LL---838	4	L-11E-02	NROSP51M	UCB0404N	UGE2G03M
LL---839	4	L-11E-02	NROSP51M	UCB0404N	UGE2G03R
LL---840	4	L-11E-02	NROSP51M	UCB0413N	UCB0603N
LL---841	4	L-11E-02	NROSP51M	UCB0413N	UCB0613N
LL---842	4	L-11E-02	NROSP51M	UCB0413N	UGE2G03M
LL---843	4	L-11E-02	NROSP51M	UCB0413N	UGE2G03R
LL---844	4	L-11E-02	NROSP51M	UCB0603N	UGE2G02M
LL---845	4	L-11E-02	NROSP51M	UCB0603N	UGE2G02R
LL---846	4	L-11E-02	NROSP51M	UCB0613N	UGE2G02M
LL---847	4	L-11E-02	NROSP51M	UCB0613N	UGE2G02R
LL---848	4	LCV0121F	LMV4716P	NROSP51M	UGE2G03M
LL---849	4	LCV0121F	LMV4716P	NROSP51M	UGE2G03R

LL---850	4	LCV0121F	LOPORFIL	NROSP51M	UGE2G03R
LL---851	4	LCV0121F	LPT0140M	NROSP51M	UGE2G03M
LL---852	4	LCV0121F	LPT0140M	NROSP51M	UGE2G03R
LL---853	4	LCV0121P	LCV0448P	NROSP51M	UGE2G02R
LL---854	4	LCV0124P	LCV0547P	NROSP51M	UGE2G03R
LL---855	4	LCV0124P	LMV4705P	LOPCROSV	LPM0504M
LL---856	4	LCV0124P	LMV4705P	LOPCROSV	LPM0504S
LL---857	4	LCV0124P	LMV4705P	LOPCROSV	UCB0603N
LL---858	4	LCV0124P	LMV4705P	NROSP51M	UCB0613N
LL---859	4	LCV0124P	LMV4705P	NROSP51M	UGE2G03M
LL---860	4	LCV0124P	LMV4705P	NROSP51M	UGE2G03R
LL---861	4	LCV0124P	LMV4705R	NROSP51M	UGE2G03M
LL---862	4	LCV0124P	LMV4705R	NROSP51M	UGE2G03R
LL---863	4	LCV0124P	LMV4716P	LOPCROSV	LPM0504M
LL---864	4	LCV0124P	LMV4716P	LOPCROSV	LPM0504S
LL---865	4	LCV0124P	LMV4716P	LOPCROSV	UCB0603N
LL---866	4	LCV0124P	LMV4716P	NROSP51M	UCB0613N
LL---867	4	LCV0124P	LMV4716P	NROSP51M	UGE2G03M
LL---868	4	LCV0124P	LMV4716P	NROSP51M	UGE2G03R
LL---869	4	LCV0124P	LMV4730P	NROSP51M	UCB0613N
LL---870	4	LCV0124P	LMV4730P	NROSP51M	UGE2G03M
LL---871	4	LCV0124P	LMV4730P	NROSP51M	UGE2G03R
LL---872	4	LCV0124P	LOPCROSV	LPM0504M	LPT0140M
LL---873	4	LCV0124P	LOPCROSV	LPM0504S	LPT0140M
LL---874	4	LCV0124P	LOPCROSV	LPT0140M	UCB0603N
LL---875	4	LCV0124P	LOPORFIL	NROSP51M	UGE2G03M
LL---876	4	LCV0124P	LOPORFIL	NROSP51M	UGE2G03R
LL---877	4	LCV0124P	LPT0140M	NROSP51M	UCB0613N
LL---878	4	LCV0124P	LPT0140M	NROSP51M	UGE2G03M

LL---879	4	LCV0124P	LPT0140M	NROSP51M	UGE2G03R
LL---880	4	LCV0124P	LPT0140R	NROSP51M	UGE2G03M
LL---881	4	LCV0124P	LPT0140R	NROSP51M	UGE2G03R
LL---882	4	LCV0124P	LXV0122X	NROSP51M	UGE2G03R
LL---883	4	LCV0124P	LXV0134X	NROSP51M	UGE2G03R
LL---884	4	LCV0124P	LXV0136X	NROSP51M	UGE2G03R
LL---885	4	LCV0124P	LXV0468X	NROSP51M	UGE2G03R
LL---886	4	LCV0124P	LXV0471X	NROSP51M	UGE2G03R
LL---887	4	LCV0126P	LMV4716P	NROSP51M	UCB0613N
LL---888	4	LCV0126P	LMV4716P	NROSP51M	UGE2G03M
LL---889	4	LCV0126P	LMV4716P	NROSP51M	UGE2G03R
LL---890	4	LCV0126P	LOPORFIL	NROSP51M	UGE2G03M
LL---891	4	LCV0126P	LOPORFIL	NROSP51M	UGE2G03R
LL---892	4	LCV0126P	LPM0504M	LPT0140S	LPT0140Y
LL---893	4	LCV0126P	LPM0504R	LPT0140S	LPT0140Y
LL---894	4	LCV0126P	LPM0504S	LPT0140S	LPT0140Y
LL---895	4	LCV0126P	LPT0140M	NROSP51M	UCB0613N
LL---896	4	LCV0126P	LPT0140M	NROSP51M	UGE2G03M
LL---897	4	LCV0126P	LPT0140M	NROSP51M	UGE2G03R
LL---898	4	LCV0126P	LPT0140R	NROSP51M	UGE2G03M
LL---899	4	LCV0126P	LPT0140R	NROSP51M	UGE2G03R
LL---900	4	LCV0126P	LPT0140S	LPT0140Y	UCB0403N
LL---901	4	LCV0126P	LXV0122X	NROSP51M	UGE2G03R
LL---902	4	LCV0126P	LXV0468X	NROSP51M	UGE2G03R
LL---903	4	LCV0126P	LXV0471X	NROSP51M	UGE2G03R
LL---904	4	LCV0448P	LMV4706P	LOPCROSV	LPM0141M
LL---905	4	LCV0448P	LMV4706P	LOPCROSV	LPM0141S
LL---906	4	LCV0448P	LMV4706P	LOPCROSV	UCB0404N
LL---907	4	LCV0448P	LMV4706P	NROSP51M	UCB0413N

LL---908	4	LCV0448P	LMV4706P	NROSP51M	UGE2G02M
LL---909	4	LCV0448P	LMV4706P	NROSP51M	UGE2G02R
LL---910	4	LCV0448P	LMV4706R	NROSP51M	UGE2G02M
LL---911	4	LCV0448P	LMV4706R	NROSP51M	UGE2G02R
LL---912	4	LCV0448P	LMV4715P	NROSP51M	UCB0413N
LL---913	4	LCV0448P	LMV4715P	NROSP51M	UGE2G02M
LL---914	4	LCV0448P	LMV4715P	NROSP51M	UGE2G02R
LL---915	4	LCV0448P	LMV4716P	LOPCROSV	LPM0141M
LL---916	4	LCV0448P	LMV4716P	LOPCROSV	LPM0141S
LL---917	4	LCV0448P	LMV4716P	LOPCROSV	UCB0404N
LL---918	4	LCV0448P	LMV4716P	NROSP51M	UCB0413N
LL---919	4	LCV0448P	LMV4716P	NROSP51M	UGE2G02M
LL---920	4	LCV0448P	LMV4716P	NROSP51M	UGE2G02R
LL---921	4	LCV0448P	LOPCROSV	LPM0141M	LPT0140M
LL---922	4	LCV0448P	LOPCROSV	LPM0141S	LPT0140M
LL---923	4	LCV0448P	LOPCROSV	LPT0140M	UCB0404N
LL---924	4	LCV0448P	LOPORFIL	NROSP51M	UGE2G02M
LL---925	4	LCV0448P	LOPORFIL	NROSP51M	UGE2G02R
LL---926	4	LCV0448P	LPT0140M	NROSP51M	UCB0413N
LL---927	4	LCV0448P	LPT0140M	NROSP51M	UGE2G02M
LL---928	4	LCV0448P	LPT0140M	NROSP51M	UGE2G02R
LL---929	4	LCV0448P	LPT0140R	NROSP51M	UGE2G02M
LL---930	4	LCV0448P	LPT0140R	NROSP51M	UGE2G02R
LL---931	4	LCV0448P	LXV0122X	NROSP51M	UGE2G02R
LL---932	4	LCV0448P	LXV0123X	NROSP51M	UGE2G02R
LL---933	4	LCV0448P	LXV0125X	NROSP51M	UGE2G02R
LL---934	4	LCV0448P	LXV0468X	NROSP51M	UGE2G02R
LL---935	4	LCV0448P	LXV0471X	NROSP51M	UGE2G02R
LL---936	4	LCV0532P	LMV4716P	NROSP51M	UCB0413N

LL---937	4	LCV0532P	LMV4716P	NROSP51M	UGE2G02M
LL---938	4	LCV0532P	LMV4716P	NROSP51M	UGE2G02R
LL---939	4	LCV0532P	LOPORFIL	NROSP51M	UGE2G02M
LL---940	4	LCV0532P	LOPORFIL	NROSP51M	UGE2G02R
LL---941	4	LCV0532P	LPM0141M	LPT0140S	LPT0140Y
LL---942	4	LCV0532P	LPM0141R	LPT0140S	LPT0140Y
LL---943	4	LCV0532P	LPM0141S	LPT0140S	LPT0140Y
LL---944	4	LCV0532P	LPT0140M	NROSP51M	UCB0413N
LL---945	4	LCV0532P	LPT0140M	NROSP51M	UGE2G02M
LL---946	4	LCV0532P	LPT0140M	NROSP51M	UGE2G02R
LL---947	4	LCV0532P	LPT0140R	NROSP51M	UGE2G02M
LL---948	4	LCV0532P	LPT0140R	NROSP51M	UGE2G02R
LL---949	4	LCV0532P	LPT0140S	LPT0140Y	UCB0404N
LL---950	4	LCV0532P	LXV0122X	NROSP51M	UGE2G02R
LL---951	4	LCV0532P	LXV0468X	NROSP51M	UGE2G02R
LL---952	4	LCV0532P	LXV0471X	NROSP51M	UGE2G02R
LL---953	4	LCV0547F	LMV4716P	NROSP51M	UGE2G02M
LL---954	4	LCV0547F	LMV4716P	NROSP51M	UGE2G02R
LL---955	4	LCV0547F	LOPORFIL	NROSP51M	UGE2G02R
LL---956	4	LCV0547F	LPT0140M	NROSP51M	UGE2G02M
LL---957	4	LCV0547F	LPT0140M	NROSP51M	UGE2G02R
LL---958	4	LMV4705P	LMV4706P	LPM0141M	LPM0504M
LL---959	4	LMV4716M	LPM0141M	NROSP51M	UGE2G03M
LL---960	4	LMV4716M	LPM0141M	NROSP51M	UGE2G03R
LL---961	4	LMV4716M	LPM0141R	NROSP51M	UGE2G03M
LL---962	4	LMV4716M	LPM0141R	NROSP51M	UGE2G03R
LL---963	4	LMV4716M	LPM0141S	NROSP51M	UGE2G03M
LL---964	4	LMV4716M	LPM0141S	NROSP51M	UGE2G03R
LL---965	4	LMV4716M	LPM0504M	NROSP51M	UGE2G02M

LL---966	4	LMV4716M	LPM0504M	NROSP51M	UGE2G02R
LL---967	4	LMV4716M	LPM0504R	NROSP51M	UGE2G02M
LL---968	4	LMV4716M	LPM0504R	NROSP51M	UGE2G02R
LL---969	4	LMV4716M	LPM0504S	NROSP51M	UGE2G02M
LL---970	4	LMV4716M	LPM0504S	NROSP51M	UGE2G02R
LL---971	4	LMV4716M	NROSP51M	UCB0404N	UGE2G03M
LL---972	4	LMV4716M	NROSP51M	UCB0404N	UGE2G03R
LL---973	4	LMV4716M	NROSP51M	UCB0413N	UGE2G03M
LL---974	4	LMV4716M	NROSP51M	UCB0413N	UGE2G03R
LL---975	4	LMV4716M	NROSP51M	UCB0603N	UGE2G02M
LL---976	4	LMV4716M	NROSP51M	UCB0603N	UGE2G02R
LL---977	4	LMV4716M	NROSP51M	UCB0613N	UGE2G02M
LL---978	4	LMV4716M	NROSP51M	UCB0613N	UGE2G02R
LL---979	4	LMV4716P	LPM0141M	NROSP51M	UCAG003A
LL---980	4	LMV4716P	LPM0141M	NROSP51M	UCB0613N
LL---981	4	LMV4716P	LPM0141M	NROSP51M	UGE2G03M
LL---982	4	LMV4716P	LPM0141M	NROSP51M	UGE2G03R
LL---983	4	LMV4716P	LPM0141R	NROSP51M	UCB0613N
LL---984	4	LMV4716P	LPM0141R	NROSP51M	UGE2G03M
LL---985	4	LMV4716P	LPM0141R	NROSP51M	UGE2G03R
LL---986	4	LMV4716P	LPM0141S	NROSP51M	UCAG003A
LL---987	4	LMV4716P	LPM0141S	NROSP51M	UCB0613N
LL---988	4	LMV4716P	LPM0141S	NROSP51M	UGE2G03M
LL---989	4	LMV4716P	LPM0141S	NROSP51M	UGE2G03R
LL---990	4	LMV4716P	LPM0504M	NROSP51M	UCAG002A
LL---991	4	LMV4716P	LPM0504M	NROSP51M	UCB0413N
LL---992	4	LMV4716P	LPM0504M	NROSP51M	UGE2G02M
LL---993	4	LMV4716P	LPM0504M	NROSP51M	UGE2G02R
LL---994	4	LMV4716P	LPM0504R	NROSP51M	UCB0413N

LL---995	4	LMV4716P	LPM0504R	NROSP51M	UGE2G02M
LL---996	4	LMV4716P	LPM0504R	NROSP51M	UGE2G02R
LL---997	4	LMV4716P	LPM0504S	NROSP51M	UCAG002A
LL---998	4	LMV4716P	LPM0504S	NROSP51M	UCB0413N
LL---999	4	LMV4716P	LPM0504S	NROSP51M	UGE2G02M
LL--1000	4	LMV4716P	LPM0504S	NROSP51M	UGE2G02R
LL--1001	4	LMV4716P	LXV0127X	NROSP51M	UCB0613N
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LL--1003	4	LMV4716P	LXV0127X	NROSP51M	UGE2G03R
LL--1004	4	LMV4716P	LXV0469X	NROSP51M	UCB0613N
LL--1005	4	LMV4716P	LXV0469X	NROSP51M	UGE2G03M
LL--1006	4	LMV4716P	LXV0469X	NROSP51M	UGE2G03R
LL--1007	4	LMV4716P	LXV0533X	NROSP51M	UCB0413N
LL--1008	4	LMV4716P	LXV0533X	NROSP51M	UGE2G02M
LL--1009	4	LMV4716P	LXV0533X	NROSP51M	UGE2G02R
LL--1010	4	LMV4716P	LXV0538X	NROSP51M	UCB0413N
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LL--1012	4	LMV4716P	LXV0538X	NROSP51M	UGE2G02R
LL--1013	4	LMV4716P	LXV0542X	NROSP51M	UCB0413N
LL--1014	4	LMV4716P	LXV0542X	NROSP51M	UGE2G02M
LL--1015	4	LMV4716P	LXV0542X	NROSP51M	UGE2G02R
LL--1016	4	LMV4716P	LXV471AX	NROSP51M	UCB0613N
LL--1017	4	LMV4716P	LXV471AX	NROSP51M	UGE2G03M
LL--1018	4	LMV4716P	LXV471AX	NROSP51M	UGE2G03R
LL--1019	4	LMV4716P	NROSP51M	UCAG002A	UCB0603N
LL--1020	4	LMV4716P	NROSP51M	UCAG002A	UCB0613N
LL--1021	4	LMV4716P	NROSP51M	UCAG002A	UGE2G03M
LL--1022	4	LMV4716P	NROSP51M	UCAG002A	UGE2G03R
LL--1023	4	LMV4716P	NROSP51M	UCAG003A	UCB0404N

LL--1024	4	LMV4716P	NROSP51M	UCAG003A	UCB0413N
LL--1025	4	LMV4716P	NROSP51M	UCAG003A	UGE2G02M
LL--1026	4	LMV4716P	NROSP51M	UCAG003A	UGE2G02R
LL--1027	4	LMV4716P	NROSP51M	UCB0404N	UCB0613N
LL--1028	4	LMV4716P	NROSP51M	UCB0404N	UGE2G03M
LL--1029	4	LMV4716P	NROSP51M	UCB0404N	UGE2G03R
LL--1030	4	LMV4716P	NROSP51M	UCB0413N	UCB0603N
LL--1031	4	LMV4716P	NROSP51M	UCB0413N	UCB0613N
LL--1032	4	LMV4716P	NROSP51M	UCB0413N	UGE2G03M
LL--1033	4	LMV4716P	NROSP51M	UCB0413N	UGE2G03R
LL--1034	4	LMV4716P	NROSP51M	UCB0603N	UGE2G02M
LL--1035	4	LMV4716P	NROSP51M	UCB0603N	UGE2G02R
LL--1036	4	LMV4716P	NROSP51M	UCB0613N	UGE2G02M
LL--1037	4	LMV4716P	NROSP51M	UCB0613N	UGE2G02R
LL--1038	4	LOPORFIL	LPM0141M	NROSP51M	UCB0613N
LL--1039	4	LOPORFIL	LPM0141M	NROSP51M	UGE2G03M
LL--1040	4	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R
LL--1041	4	LOPORFIL	LPM0141R	NROSP51M	UCB0613N
LL--1042	4	LOPORFIL	LPM0141R	NROSP51M	UGE2G03M
LL--1043	4	LOPORFIL	LPM0141R	NROSP51M	UGE2G03R
LL--1044	4	LOPORFIL	LPM0141S	NROSP51M	UCB0613N
LL--1045	4	LOPORFIL	LPM0141S	NROSP51M	UGE2G03M
LL--1046	4	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R
LL--1047	4	LOPORFIL	LPM0504M	NROSP51M	UCB0413N
LL--1048	4	LOPORFIL	LPM0504M	NROSP51M	UGE2G02M
LL--1049	4	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R
LL--1050	4	LOPORFIL	LPM0504R	NROSP51M	UCB0413N
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LL--1056	4	LOPORFIL	LXV0127X	NROSP51M	UGE2G03M
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LL--1058	4	LOPORFIL	LXV0469X	NROSP51M	UGE2G03M
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LL--1060	4	LOPORFIL	LXV0533X	NROSP51M	UGE2G02M
LL--1061	4	LOPORFIL	LXV0533X	NROSP51M	UGE2G02R
LL--1062	4	LOPORFIL	LXV0538X	NROSP51M	UGE2G02M
LL--1063	4	LOPORFIL	LXV0538X	NROSP51M	UGE2G02R
LL--1064	4	LOPORFIL	LXV0542X	NROSP51M	UGE2G02M
LL--1065	4	LOPORFIL	LXV0542X	NROSP51M	UGE2G02R
LL--1066	4	LOPORFIL	LXV471AX	NROSP51M	UGE2G03M
LL--1067	4	LOPORFIL	LXV471AX	NROSP51M	UGE2G03R
LL--1068	4	LOPORFIL	NROSP51M	UCAG002A	UGE2G03M
LL--1069	4	LOPORFIL	NROSP51M	UCAG002A	UGE2G03R
LL--1070	4	LOPORFIL	NROSP51M	UCAG003A	UGE2G02M
LL--1071	4	LOPORFIL	NROSP51M	UCAG003A	UGE2G02R
LL--1072	4	LOPORFIL	NROSP51M	UCB0404N	UCB0613N
LL--1073	4	LOPORFIL	NROSP51M	UCB0404N	UGE2G03M
LL--1074	4	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R
LL--1075	4	LOPORFIL	NROSP51M	UCB0413N	UCB0603N
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LL--1078	4	LOPORFIL	NROSP51M	UCB0413N	UGE2G03R
LL--1079	4	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M
LL--1080	4	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R
LL--1081	4	LOPORFIL	NROSP51M	UCB0613N	UGE2G02M

LL--1082	4	LOPORFIL	NROSP51M	UCB0613N	UGE2G02P
LL--1083	4	LPM0141M	LPM0504M	LPT0140S	LPT0140Y
LL--1084	4	LPM0141M	LPM0504R	LPT0140S	LPT0140Y
LL--1085	4	LPM0141M	LPM0504S	LPT0140S	LPT0140Y
LL--1086	4	LPM0141M	LPT0140M	NROSP51M	UCAG003A
LL--1087	4	LPM0141M	LPT0140M	NROSP51M	UCB0613N
LL--1088	4	LPM0141M	LPT0140M	NROSP51M	UGE2G03M
LL--1089	4	LPM0141M	LPT0140M	NROSP51M	UGE2G03R
LL--1090	4	LPM0141M	LPT0140R	NROSP51M	UCB0613N
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LL--1092	4	LPM0141M	LPT0140R	NROSP51M	UGE2G03R
LL--1093	4	LPM0141M	LPT0140S	LPT0140Y	LXV0533X
LL--1094	4	LPM0141M	LPT0140S	LPT0140Y	LXV0538X
LL--1095	4	LPM0141M	LPT0140S	LPT0140Y	LXV0542X
LL--1096	4	LPM0141M	LPT0140S	LPT0140Y	UCB0603N
LL--1097	4	LPM0141M	LXV0122X	NROSP51M	UCB0613N
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LL--1099	4	LPM0141M	LXV0122X	NROSP51M	UGE2G03R
LL--1100	4	LPM0141M	LXV0468X	NROSP51M	UCB0613N
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LL--1102	4	LPM0141M	LXV0468X	NROSP51M	UGE2G03R
LL--1103	4	LPM0141M	LXV0471X	NROSP51M	UCB0613N
LL--1104	4	LPM0141M	LXV0471X	NROSP51M	UGE2G03M
LL--1105	4	LPM0141M	LXV0471X	NROSP51M	UGE2G03R
LL--1106	4	LPM0141R	LPM0504M	LPT0140S	LPT0140Y
LL--1107	4	LPM0141R	LPM0504R	LPT0140S	LPT0140Y
LL--1108	4	LPM0141R	LPM0504S	LPT0140S	LPT0140Y
LL--1109	4	LPM0141R	LPT0140M	NROSP51M	UCB0613N
LL--1110	4	LPM0141R	LPT0140M	NROSP51M	UGE2G03M

LL--1111	4	LPM0141R	LPT0140M	NROSP51M	UGE2G03R
LL--1112	4	LPM0141R	LPT0140R	NROSP51M	UCB0613N
LL--1113	4	LPM0141R	LPT0140R	NROSP51M	UGE2G03M
LL--1114	4	LPM0141R	LPT0140R	NROSP51M	UGE2G03R
LL--1115	4	LPM0141R	LPT0140S	LPT0140Y	LXV0533X
LL--1116	4	LPM0141R	LPT0140S	LPT0140Y	LXV0538X
LL--1117	4	LPM0141R	LPT0140S	LPT0140Y	LXV0542X
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LL--1119	4	LPM0141R	LXV0122X	NROSP51M	UGE2G03M
LL--1120	4	LPM0141R	LXV0122X	NROSP51M	UGE2G03R
LL--1121	4	LPM0141R	LXV0468X	NROSP51M	UGE2G03M
LL--1122	4	LPM0141R	LXV0468X	NROSP51M	UGE2G03R
LL--1123	4	LPM0141R	LXV0471X	NROSP51M	UGE2G03M
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LL--1129	4	LPM0141S	LPT0140M	NROSP51M	UCB0613N
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LL--1132	4	LPM0141S	LPT0140R	NROSP51M	UCB0613N
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LL--1135	4	LPM0141S	LPT0140S	LPT0140Y	LXV0533X
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LL--1137	4	LPM0141S	LPT0140S	LPT0140Y	LXV0542X
LL--1138	4	LPM0141S	LPT0140S	LPT0140Y	UCB0603N
LL--1139	4	LPM0141S	LXV0122X	NROSP51M	UCB0613N

LL--1140	4	LPM0?41S	LXV0122X	NROSP51M	UGE2G03M
LL--1141	4	LPM0141S	LXV0122X	NROSP51M	UGE2G03R
LL--1142	4	LPM0141S	LXV0468X	NROSP51M	UCB0613N
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LL--1144	4	LPM0141S	LXV0468X	NROSP51M	UGE2G03R
LL--1145	4	LPM0141S	LXV0471X	NROSP51M	UCB0613N
LL--1146	4	LPM0141S	LXV0471X	NROSP51M	UGE2G03M
LL--1147	4	LPM0141S	LXV0471X	NROSP51M	UGE2G03R
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LL--1149	4	LPM0504M	LPT0140M	NROSP51M	UCB0413N
LL--1150	4	LPM0504M	LPT0140M	NROSP51M	UGE2G02M
LL--1151	4	LPM0504M	LPT0140M	NROSP51M	UGE2G02R
LL--1152	4	LPM0504M	LPT0140R	NROSP51M	UCB0413N
LL--1153	4	LPM0504M	LPT0140R	NROSP51M	UGE2G02M
LL--1154	4	LPM0504M	LPT0140R	NROSP51M	UGE2G02R
LL--1155	4	LPM0504M	LPT0140S	LPT0140Y	LXV0127X
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LL--1158	4	LPM0504M	LPT0140S	LPT0140Y	UCB0404N
LL--1159	4	LPM0504M	LXV0122X	NROSP51M	UCB0413N
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LL--1162	4	LPM0504M	LXV0468X	NROSP51M	UCB0413N
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LL--1164	4	LPM0504M	LXV0468X	NROSP51M	UGE2G02R
LL--1165	4	LPM0504M	LXV0471X	NROSP51M	UCB0413N
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LL--1167	4	LPM0504M	LXV0471X	NROSP51M	UGE2G02R
LL--116?	4	LPM0504R	LPT0140M	NROSP51M	UCB0413N

LL--1169	4	LPM0504R	LPT0140M	NROSP51M	UGE2G02M
LL--1170	4	LPM0504R	LPT0140M	NROSP51M	UGE2G02R
LL--1171	4	LPM0504R	LPT0140R	NROSP51M	UCB0413N
LL--1172	4	LPM0504R	LPT0140R	NROSP51M	UGE2G02M
LL--1173	4	LPM0504R	LPT0140R	NROSP51M	UGE2G02R
LL--1174	4	LPM0504R	LPT0140S	LPT0140Y	LXV0127X
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LL--1177	4	LPM0504R	LPT0140S	LPT0140Y	UCB0404N
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LL--1179	4	LPM0504R	LXV0122X	NROSP51M	UGE2G02R
LL--1180	4	LPM0504R	LXV0468X	NROSP51M	UGE2G02M
LL--1181	4	LPM0504R	LXV0468X	NROSP51M	UGE2G02R
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LL--1183	4	LPM0504R	LXV0471X	NROSP51M	UGE2G02R
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LL--1185	4	LPM0504S	LPT0140M	NROSP51M	UCB0413N
LL--1186	4	LPM0504S	LPT0140M	NROSP51M	UGE2G02M
LL--1187	4	LPM0504S	LPT0140M	NROSP51M	UGE2G02R
LL--1188	4	LPM0504S	LPT0140R	NROSP51M	UCB0413N
LL--1189	4	LPM0504S	LPT0140R	NROSP51M	UGE2G02M
LL--1190	4	LPM0504S	LPT0140R	NROSP51M	UGE2G02R
LL--1191	4	LPM0504S	LPT0140S	LPT0140Y	LXV0127X
LL--1192	4	LPM0504S	LPT0140S	LPT0140Y	LXV0469X
LL--1193	4	LPM0504S	LPT0140S	LPT0140Y	LXV471AX
LL--1194	4	LPM0504S	LPT0140S	LPT0140Y	UCB0404N
LL--1195	4	LPM0504S	LXV0122X	NROSP51M	UCB0413N
LL--1196	4	LPM0504S	LXV0122X	NROSP51M	UGE2G02M
LL--1197	4	LPM0504S	LXV0122X	NROSP51M	UGE2G02R

LL--1198	4	LPM0504S	LXV0468X	NROSP51M	UCB0413N
LL--1199	4	LPM0504S	LXV0468X	NROSP51M	UGE2G02M
LL--1200	4	LPM0504S	LXV0468X	NROSP51M	UGE2G02R
LL--1201	4	LPM0504S	LXV0471X	NROSP51M	UCB0413N
LL--1202	4	LPM0504S	LXV0471X	NROSP51M	UGE2G02M
LL--1203	4	LPM0504S	LXV0471X	NROSP51M	UGE2G02R
LL--1204	4	LPT0140M	LXV0127X	NROSP51M	UCB0613N
LL--1205	4	LPT0140M	LXV0127X	NROSP51M	UGE2G03M
LL--1206	4	LPT0140M	LXV0127X	NROSP51M	UGE2G03R
LL--1207	4	LPT0140M	LXV0469X	NROSP51M	UCB0613N
LL--1208	4	LPT0140M	LXV0469X	NROSP51M	UGE2G03M
LL--1209	4	LPT0140M	LXV0469X	NROSP51M	UGE2G03R
LL--1210	4	LPT0140M	LXV0533X	NROSP51M	UCB0413N
LL--1211	4	LPT0140M	LXV0533X	NROSP51M	UGE2G02M
LL--1212	4	LPT0140M	LXV0533X	NROSP51M	UGE2G02R
LL--1213	4	LPT0140M	LXV0538X	NROSP51M	UCB0413N
LL--1214	4	LPT0140M	LXV0538X	NROSP51M	UGE2G02M
LL--1215	4	LPT0140M	LXV0538X	NROSP51M	UGE2G02R
LL--1216	4	LPT0140M	LXV0542X	NROSP51M	UCB0413N
LL--1217	4	LPT0140M	LXV0542X	NROSP51M	UGE2G02M
LL--1218	4	LPT0140M	LXV0542X	NROSP51M	UGE2G02R
LL--1219	4	LPT0140M	LXV471AX	NROSP51M	UCB0613N
LL--1220	4	LPT0140M	LXV471AX	NROSP51M	UGE2G03M
LL--1221	4	LPT0140M	LXV471AX	NROSP51M	UGE2G03R
LL--1222	4	LPT0140M	NROSP51M	UCAG002A	UCB0603N
LL--1223	4	LPT0140M	NROSP51M	UCAG002A	UCB0613N
LL--1224	4	LPT0140M	NROSP51M	UCAG002A	UGE2G03M
LL--1225	4	LPT0140M	NROSP51M	UCAG002A	UGE2G03R
LL--1226	4	LPT0140M	NROSP51M	UCAG003A	UCB0404N

LL--1227	4	LPT0140M	NROSP51M	UCAG003A	UCB0413N
LL--1228	4	LPT0140M	NROSP51M	UCAG003A	UGE2G02M
LL--1229	4	LPT0140M	NROSP51M	UCAG003A	UGE2G02R
LL--1230	4	LPT0140M	NROSP51M	UCB0404N	UCB0613N
LL--1231	4	LPT0140M	NROSP51M	UCB0404N	UGE2G03M
LL--1232	4	LPT0140M	NROSP51M	UCB0404N	UGE2G03R
LL--1233	4	LPT0140M	NROSP51M	UCB0413N	UCB0603N
LL--1234	4	LPT0140M	NROSP51M	UCB0413N	UCB0613N
LL--1235	4	LPT0140M	NROSP51M	UCB0413N	UGE2G03M
LL--1236	4	LPT0140M	NROSP51M	UCB0413N	UGE2G03R
LL--1237	4	LPT0140M	NROSP51M	UCB0603N	UGE2G02M
LL--1238	4	LPT0140M	NROSP51M	UCB0603N	UGE2G02R
LL--1239	4	LPT0140M	NROSP51M	UCB0613N	UGE2G02M
LL--1240	4	LPT0140M	NROSP51M	UCB0613N	UGE2G02R
LL--1241		LPT0140R	LXV0127X	NROSP51M	UGE2G03M
LL--1242	4	LPT0140R	LXV0127X	NROSP51M	UGE2G03R
LL--1243	4	LPT0140R	LXV0469X	NROSP51M	UGE2G03M
LL--1244	4	LPT0140R	LXV0469X	NROSP51M	UGE2G03R
LL--1245	4	LPT0140R	LXV0533X	NROSP51M	UGE2G02M
LL--1246	4	LPT0140R	LXV0533X	NROSP51M	UGE2G02R
LL--1247	4	LPT0140R	LXV0538X	NROSP51M	UGE2G02M
LL--1248	4	LPT0140R	LXV0538X	NROSP51M	UGE2G02R
LL--1249	4	LPT0140R	LXV0542X	NROSP51M	UGE2G02M
LL--1250	4	LPT0140R	LXV0542X	NROSP51M	UGE2G02R
LL--1251	4	LPT0140R	LXV471AX	NROSP51M	UGE2G03M
LL--1252	4	LPT0140R	LXV471AX	NROSP51M	UGE2G03R
LL--1253	4	LPT0140R	NROSP51M	UCAG002A	UGE2G03M
LL--1254	4	LPT0140R	NROSP51M	UCAG002A	UGE2G03R
LL--1255	4	LPT0140R	NROSP51M	UCAG003A	UGE2G02M

LL--1256	4	LPT0140R	NROSP51M	UCAG003A	UGE2G02R
LL--1257	4	LPT0140R	NROSP51M	UCB0404N	UCB0613N
LL--1258	4	LPT0140R	NROSP51M	UCB0404N	UGE2G03M
LL--1259	4	LPT0140R	NROSP51M	UCB0404N	UGE2G03R
LL--1260	4	LPT0140R	NROSP51M	UCB0413N	UCB0603N
LL--1261	4	LPT0140R	NROSP51M	UCB0413N	UCB0613N
LL--1262	4	LPT0140R	NROSP51M	UCB0413N	UGE2G03M
LL--1263	4	LPT0140R	NROSP51M	UCB0413N	UGE2G03R
LL--1264	4	LPT0140R	NROSP51M	UCB0603N	UGE2G02M
LL--1265	4	LPT0140R	NROSP51M	UCB0603N	UGE2G02R
LL--1266	4	LPT0140R	NROSP51M	UCB0613N	UGE2G02M
LL--1267	4	LPT0140R	NROSP51M	UCB0613N	UGE2G02R
LL--1268	4	LPT0140S	LPT0140Y	LXV0127X	UCB0603N
LL--1269	4	LPT0140S	LPT0140Y	LXV0469X	UCB0603N
LL--1270	4	LPT0140S	LPT0140Y	LXV0533X	UCB0404N
LL--1271	4	LPT0140S	LPT0140Y	LXV0538X	UCB0404N
LL--1272	4	LPT0140S	LPT0140Y	LXV0542X	UCB0404N
LL--1273	4	LPT0140S	LPT0140Y	LXV471AX	UCB0603N
LL--1274	4	LPT0140S	LPT0140Y	UCB0404N	UCB0603N
LL--1275	4	LXV0122X	LXV0127X	NROSP51M	UGE2G03R
LL--1276	4	LXV0122X	LXV0469X	NROSP51M	UGE2G03R
LL--1277	4	LXV0122X	LXV0533X	NROSP51M	UGE2G02R
LL--1278	4	LXV0122X	LXV0538X	NROSP51M	UGE2G02R
LL--1279	4	LXV0122X	LXV0542X	NROSP51M	UGE2G02R
LL--1280	4	LXV0122X	LXV471AX	NROSP51M	UGE2G03R
LL--1281	4	LXV0122X	NROSP51M	UCAG002A	UGE2G03R
LL--1282	4	LXV0122X	NROSP51M	UCAG003A	UGE2G02R
LL--1283	4	LXV0122X	NROSP51M	UCB0404N	UCB0613N
LL--1284	4	LXV0122X	NROSP51M	UCB0404N	UGE2G03M

LL--1285	4	LXV0122X	NROSP51M	UCB0404N	UGE2G03R
LL--1286	4	LXV0122X	NROSP51M	UCB0413N	UCB0603N
LL--1287	4	LXV0122X	NROSP51M	UCB0413N	UCB0613N
LL--1288	4	LXV0122X	NROSP51M	UCB0413N	UGE2G03M
LL--1289	4	LXV0122X	NROSP51M	UCB0413N	UGE2G03R
LL--1290	4	LXV0122X	NROSP51M	UCB0603N	UGE2G02M
LL--1291	4	LXV0122X	NROSP51M	UCB0603N	UGE2G02R
LL--1292	4	LXV0122X	NROSP51M	UCB0613N	UGE2G02M
LL--1293	4	LXV0122X	NROSP51M	UCB0613N	UGE2G02R
LL--1294	4	LXV0127X	LXV0468X	NROSP51M	UGE2G03R
LL--1295	4	LXV0127X	LXV0471X	NROSP51M	UGE2G03R
LL--1296	4	LXV0468X	LXV0469X	NROSP51M	UGE2G03R
LL--1297	4	LXV0468X	LXV0533X	NROSP51M	UGE2G02R
LL--1298	4	LXV0468X	LXV0538X	NROSP51M	UGE2G02R
LL--1299	4	LXV0468X	LXV0542X	NROSP51M	UGE2G02R
LL--1300	4	LXV0468X	LXV471AX	NROSP51M	UGE2G03R
LL--1301	4	LXV0468X	NROSP51M	UCAG002A	UGE2G03R
LL--1302	4	LXV0468X	NROSP51M	UCAG003A	UGE2G02R
LL--1303	4	LXV0468X	NROSP51M	UCB0404N	UCB0613N
LL--1304	4	LXV0468X	NROSP51M	UCB0404N	UGE2G03M
LL--1305	4	LXV0468X	NROSP51M	UCB0404N	UGE2G03R
LL--1306	4	LXV0468X	NROSP51M	UCB0413N	UCB0603N
LL--1307	4	LXV0468X	NROSP51M	UCB0413N	UCB0613N
LL--1308	4	LXV0468X	NROSP51M	UCB0413N	UGE2G03M
LL--1309	4	LXV0468X	NROSP51M	UCB0413N	UGE2G03R
LL--1310	4	LXV0468X	NROSP51M	UCB0603N	UGE2G02M
LL--1311	4	LXV0468X	NROSP51M	UCB0603N	UGE2G02R
LL--1312	4	LXV0468X	NROSP51M	UCB0613N	UGE2G02M
LL--1313	4	LXV0468X	NROSP51M	UCB0613N	UGE2G02R

LL--1314	4	LXV0469X	LXV0471X	NROSP51M	UGE2G03R	
LL--1315	4	LXV0471X	LXV0533X	NROSP51M	UGE2G02R	
LL--1316	4	LXV0471X	LXV0538X	NROSP51M	UGE2G02R	
LL--1317	4	LXV0471X	LXV0542X	NROSP51M	UGE2G02R	
LL--1318	4	LXV0471X	LXV471AX	NROSP51M	UGE2G03R	
LL--1319	4	LXV0471X	NROSP51M	UCAG002A	UGE2G03R	
LL--1320	4	LXV0471X	NROSP51M	UCAG003A	UGE2G02R	
LL--1321	4	LXV0471X	NROSP51M	UCB0404N	UCB0613N	
LL--1322	4	LXV0471X	NROSP51M	UCB0404N	UGE2G03M	
LL--1323	4	LXV0471X	NROSP51M	UCB0404N	UGE2G03R	
LL--1324	4	LXV0471X	NROSP51M	UCB0413N	UCB0603N	
LL--1325	4	LXV0471X	NROSP51M	UCB0413N	UCB0613N	
LL--1326	4	LXV0471X	NROSP51M	UCB0413N	UGE2G03M	
LL--1327	4	LXV04. X	NROSP51M	UCB0413N	UGE2G03R	
LL--1328	4	LXV0471X	NROSP51M	UCB0603N	UG..G02M	
LL--1329	4	LXV0471X	NROSP51M	UCB0603N	UGE2G02R	
LL--1330	4	LXV0471X	NROSP51M	UCB0613N	UGE2G02M	
LL--1331	4	LXV0471X	NROSP51M	UCB0613N	UGE2G02R	
LL--1332	5	CRV00030	IBYB007H	NROSP51M	NR2D351M	UGE2G03S
LL--1333	5	CRV00030	IBYB008H	NROSP51M	NR2D251M	UGE2G02S
LL--1334	5	CRV00030	ICB1D103	NROSP51M	NR2D351M	UGE2G03S
LL--1335	5	CRV00030	ICB1P101	NROSP51M	NR2D351M	UGE2G03S
LL--1336	5	CRV00030	ICB2D203	NRCSP51M	NR2D251M	UGE2G02S
LL--1337	5	CRV00030	IC32P101	NROSP51M	NR2D251M	UGE2G02S

LL--1338	5	CRV00030	IIV0001X	LMV4713P	NROSP51M	UGE2G03R
LL--1339	5	CRV00030	IIV0002X	LMV4712P	NROSP51M	UGE2G02R
LL--1340	5	CRV00030	LCV0121F	NROSP51M	NR2D351M	UGE2G03S
LL--1341	5	CRV00030	LCV0124P	NROSP51M	NR2D351M	UGE2G03S
LL--1342	5	CRV00030	LCV0126P	NROSP51M	NR2D351M	UGE2G03S
LL--1343	5	CRV00030	LCV0448P	NROSP51M	NR2D251M	UGE2G02S
LL--1344	5	CRV00030	LCV0532P	NROSP51M	NR2D251M	UGE2G02S
LL--1345	5	CRV00030	LCV0547F	NROSP51M	NR2D251M	UGE2G02S
LL--1346	5	CRV00030	LMV4712P	LMV4762P	NROSP51M	UGE2G02R
LL--1347	5	CRV00030	LMV4712P	LOP4762X	NROSP51M	UGE2G02R
LL--1348	5	CRV00030	LMV4713P	LMV4763P	NROSP51M	UGE2G03R
LL--1349	5	CRV00030	LMV4713P	LOP4763X	NROSP51M	UGE2G03R
LL--1350	5	CRV00030	LMV4714P	LMV4730P	NROSP51M	UGE2G02R
LL--1351	5	CRV00030	LMV4715P	LMV4731P	NROSP51M	UGE2G03R

LL--1352	5	CRV00030	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--1353	5	CRV00030	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--1354	5	CRV00030	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
LL--1355	5	CRV00030	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--135	5	CRV00030	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--1357	5	CRV00030	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--1358	5	CRV00030	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--1359	5	CRV00030	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
LL--1360	5	CRV00030	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--1361	5	CRV00030	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--1362	5	CRV00030	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--1363	5	CRV00030	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--1364	5	CRV00030	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
LL--1365	5	CRV00030	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--1366	5	CRV00030	NROSP51M	NR2D251M	UCB0613N	UGE2G02S

LL--1367	5	CRV0003O	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--1368	5	CRV0003O	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--1369	5	CRV0003O	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--1370	5	EFAS1CCF	KOPEFAS	L-11E-02	NROSP51M	UCB0613N
LL--1371	5	EFAS1CCF	KOPEFAS	L-11E-02	NROSP51M	UGE2G03M
LL--1372	5	EFAS1CCF	KOPEFAS	L-11E-02	NROSP51M	UGE2G03R
LL--1373	5	EFAS1CCF	KOPEFAS	LMV4705P	NROSP51M	UGE2G03R
LL--1374	5	EFAS1CCF	KOPEFAS	LMV4716P	NROSP51M	UGE2G03R
LL--1375	5	EFAS1CCF	KOPEFAS	LMV4730P	NROSP51M	UGE2G03R
LL--1376	5	EFAS1CCF	KOPEFAS	LPT0140M	NROSP51M	UGE2G03R
LL--1377	5	EFAS2CCF	KOPEFAS	L-11E-02	NROSP51M	UCB0413N
LL--1378	5	EFAS2CCF	KOPEFAS	L-11E-02	NROSP51M	UGE2G02M
LL--1379	5	EFAS2CCF	KOPEFAS	L-11E-02	NROSP51M	UGE2G02R
LL--1380	5	EFAS2CCF	KOPEFAS	LMV4706P	NROSP51M	UGE2G02R

LL--1381	5	EFAS2CCF	KOPEFAS	LMV4715P	NROSP51M	UGE2G02R
LL--1382	5	EFAS2CCF	KOPEFAS	LMV4716P	NROSP51M	UGE2G02R
LL--1383	5	EFAS2CCF	KOPEFAS	LPT0140M	NROSP51M	UGE2G02R
LL--1384	5	IBEB009H	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--1385	5	IBEB009H	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--1386	5	IBEB009H	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--1387	5	IBEB009H	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--1388	5	IBEB009H	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--1389	5	IBEB009H	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--1390	5	IBSD1P1H	L-11E-02	NROSP51M	NR2D351M	UGE2G03S
LL--1391	5	IBSD2P1H	L-11E-02	NROSP51M	NR2D251M	UGE2G02S
LL--1392	5	IBSD2P2H	L-11E-02	NROSP51M	NR2D251M	UGE2G02S
LL--1393	5	IBYB007H	L-11E-02	NROSP51M	NR2D351M	UGE2G03S
LL--1394	5	IBYB007H	LMV4706P	NROSP51M	NR2D351M	UGE2G03S
LL--1395	5	IBYB007H	LMV4706R	NROSP51M	NR2D351M	UGE2G03S

LL--1396	5	IBYB007H	LMV4714P	LPT0140S	LPT0140Y	NROSP51M
LL--1397	5	IBYB007H	LMV4715P	NROSP51M	NR2D351M	UGE2G03S
LL--1398	5	IBYB007H	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1399	5	IBYB007H	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S
LL--1400	5	IBYB007H	LPM0504M	LPT0140S	LPT0140Y	NROSP51M
LL--1401	5	IBYB007H	LPM0504S	LPT0140S	LPT0140Y	NROSP51M
LL--1402	5	IBYB007H	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--1403	5	IBYB007H	LPT0140S	LPT0140Y	NROSP51M	UCB0603N
LL--1404	5	IBYB007H	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--1405	5	IBYB007H	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1406	5	IBYB007H	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1407	5	IBYB008H	L-11E-02	NROSP51M	NR2D251M	UGE2G02S
LL--1408	5	IBYB008H	LMV4716P	NROSP51M	NR2D251M	UGE2G02S
LL--1409	5	IBYB008H	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S

LL--1410	5	IBYB008H	LPM0141M	LPT0140S	LPT0140Y	NROSP51M
LL--1411	5	IBYB008H	LPM0141S	LPT0140S	LPT0140Y	NROSP51M
LL--1412	5	IBYB008H	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1413	5	IBYB008H	LPT0140S	LPT0140Y	NROSP51M	UCB0404N
LL--1414	5	IBYB008H	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--1415	5	IBYB008H	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1416	5	IBYB008H	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--1417	5	IBZB008H	L-11E-02	LMV4731P	NROSP51M	UGE2G03M
LL--1418	5	IBZB008H	L-11E-02	LMV4731P	NROSP51M	UGE2G03R
LL--1419	5	IBZB008H	L-11E-02	LSV4731P	NROSP51M	UGE2G03M
LL--1420	5	IBZB008H	L-11E-02	LSV4731P	NROSP51M	UGE2G03R
LL--1421	5	ICBY110O	L-11E-02	LMV4713P	NROSP51M	UGE2G03M
LL--1422	5	ICBY110O	L-11E-02	LMV4713P	NROSP51M	UGE2G03R
LL--1423	5	ICBY110O	L-11E-02	LMV4713R	NROSP51M	UGE2G03M
LL--1424	5	ICBY110O	L-11E-02	LMV4713R	NROSP51M	UGE2G03R

LL--1425	5	ICBY2100	L-11E-02	LMV4712P	NROSP51M	UGE2G02M
LL--1426	5	ICBY2100	L-11E-02	LMV4712P	NROSP51M	UGE2G02R
LL--1427	5	ICBY2100	L-11E-02	LMV4712R	NROSP51M	UGE2G02M
LL--1428	5	ICBY2100	L-11E-02	LMV4712R	NROSP51M	UGE2G02R
LL--1429	5	ICB1D103	L-11E-02	NROSP51M	NR2D351M	UGE2G03S
LL--1430	5	ICB1D103	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1431	5	ICB1D103	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S
LL--1432	5	ICB1D103	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--1433	5	ICB1D103	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--1434	5	ICB1D103	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1435	5	ICB1D103	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1436	5	ICB1P101	L-11E-02	NROSP51M	NR2D351M	UGE2G03S
LL--1437	5	ICB1P101	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1438	5	ICB1P101	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S

LL--1439	5	ICB1P101	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--1440	5	ICB1P101	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--1441	5	ICB1P101	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1442	5	ICB1P101	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1443	5	ICB2D105	L-11E-02	LMV4714P	NROSP51M	UGE2G02M
LL--1444	5	ICB2D105	L-11E-02	LMV4714P	NROSP51M	UGE2G02R
LL--1445	5	ICB2D105	L-11E-02	LSV4714P	NROSP51M	UGE2G02M
LL--1446	5	ICB2D105	L-11E-02	LSV4714P	NROSP51M	UGE2G02R
LL--1447	5	ICB2D203	L-11E-02	NROSP51M	NR2D251M	UGE2G02S
LL--1448	5	ICB2D203	LMV4716P	NROSP51M	NR2D251M	UGE2G02S
LL--1449	5	ICB2D203	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S
LL--1450	5	ICB2D203	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1451	5	ICB2D203	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--1452	5	ICB2D203	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1453	5	ICB2D203	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R

LL--1454	5	ICB2D205	L-11E-02	LMV4731P	NROSP51M	UGE2G03M
LL--1455	5	ICB2D205	L-11E-02	LMV4731P	NROSP51M	UGE2G03R
LL--1456	5	ICB2D205	L-11E-02	LSV4731P	NROSP51M	UGE2G03M
LL--1457	5	ICB2D205	L-11E-02	LSV4731P	NROSP51M	UGE2G03R
LL--1458	5	ICB2P101	L-11E-02	NROSP51M	NR2D251M	UGE2G02S
LL--1459	5	ICB2P101	LMV4716P	NROSP51M	NR2D251M	UGE2G02S
LL--1460	5	ICB2P101	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S
LL--1461	5	ICB2P101	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1462	5	ICB2P101	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--1463	5	ICB2P101	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1464	5	ICB2P101	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--1465	5	ICB3P106	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--1466	5	ICB3P106	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--1467	5	ICB3P106	LPM0141S	NROSP51M	NR2D351M	UGE2G03S

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LL--1468      5   ICB3P106  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
LL--1469      5   ICB3P106  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
LL--1470      5   ICB3P106  LPM0504S  NROSP51M  NR2D251M  UGE2G02S
LL--1471      5   ICB3P106  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
LL--1472      5   ICB3P106  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
LL--1473      5   ICB3P106  NROSP51M  NR2D351M  UCB0404N  UGE2G03S
LL--1474      5   ICB3P106  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
LL--1475      5   IIV0001X  L-11E-02  LCV0532P  LMV4713P  LOPCPOSV
LL--1476      5   IIV0001X  L-11E-02  LMV4713M  NROSP51M  UGE2G03M
LL--1477      5   IIV0001X  L-11E-02  LMV4713M  NROSP51M  UGE2G03R
LL--1478      5   IIV0001X  L-11E-02  LMV4713P  LOPCROSV  LPM0504M
LL--1479      5   IIV0001X  L-11E-02  LMV4713P  LOPCROSV  LPM0504R
LL--1480      5   IIV0001X  L-11E-02  LMV4713P  LOPCROSV  LPM0504S
LL--1481      5   IIV0001X  L-11E-02  LMV4713P  LOPCROSV  LXV0533X
LL--1482      5   IIV0001X  L-11E-02  LMV4713P  LOPCROSV  LXV0538X
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LL--1483 5 IIV0001X L-11E-02 LMV4713P LOPCROSV LXV0542X

LL--1484 5 IIV0001X L-11E-02 LMV4713P LOPCROSV UCB0603N

LL--1485 5 IIV0001X L-11E-02 LMV4713P NROSP51M UCAG003A

LL--1486 5 IIV0001X L-11E-02 LMV4713P NROSP51M UCB0613N

LL--1487 5 IIV0001X L-11E-02 LMV4713P NROSP51M UGE2G03M

LL--1488 5 IIV0001X L-11E-02 LMV4713P NROSP51M UGE2G03R

LL--1489 5 IIV0001X L-11E-02 LMV4713R LOPCROSV LPM0504M

LL--1490 5 IIV0001X L-11E-02 LMV4713R LOPCROSV LPM0504R

LL--1491 5 IIV0001X L-11E-02 LMV4713R LOPCROSV LPM0504S

LL--1492 5 IIV0001X L-11E-02 LMV4713R LOPCROSV UCB0603N

LL--1493 5 IIV0001X L-11E-02 LMV4713R NROSP51M UCB0613N

LL--1494 5 IIV0001X L-11E-02 LMV4713R NROSP51M UGE2G03M

LL--1495 5 IIV0001X L-11E-02 LMV4713R NROSP51M UGE2G03R

LL--1496 5 IIV0001X L-11E-02 LOPCROSV LPM0504M LXV0131X

LL--1497	5	IIV0001X	L-11E-02	LOPCROSV	LPM0504M	LXV0133X
LL--1498	5	IIV0001X	L-11E-02	LOPCROSV	LPM0504S	LXV0131X
LL--1499	5	IIV0001X	L-11E-02	LOPCROSV	LPM0504S	LXV0133X
LL--1500	5	IIV0001X	L-11E-02	LOPCROSV	LXV0131X	UCB0603N
LL--1501	5	IIV0001X	L-11E-02	LOPCROSV	LXV0133X	UCB0603N
LL--1502	5	IIV0001X	L-11E-02	LXV0131X	NROSP51M	UCB0613N
LL--1503	5	IIV0001X	L-11E-02	LXV0131X	NROSP51M	UGE2G03M
LL--1504	5	IIV0001X	L-11E-02	LXV0131X	NROSP51M	UGE2G03R
LL--1505	5	IIV0001X	L-11E-02	LXV0133X	NROSP51M	UCB0613N
LL--1506	5	IIV0001X	L-11E-02	LXV0133X	NROSP51M	UGE2G03M
LL--1507	5	IIV0001X	L-11E-02	LXV0133X	NROSP51M	UGE2G03R
LL--1508	5	IIV0001X	L-11E-02	NROSP51M	UCBBE060	UGE2G03M
LL--1509	5	IIV0001X	L-11E-02	NROSP51M	UCBBE060	UGE2G03R
LL--1510	5	IIV0001X	LMV4713P	LMV4716P	NROSP51M	UGE2G03M
LL--1511	5	IIV0001X	LMV4713P	LMV4716P	NROSP51M	UGE2G03R

LL--1512	5	IIV0001X	LMV4713P	LOPORFIL	NROSP51M	UGE2G03R
LL--1513	5	IIV0001X	LMV4713P	LPT0140M	NROSP51M	UGE2G03M
LL--1514	5	IIV0001X	LMV4713P	LPT0140M	NROSP51M	UGE2G03R
LL--1515	5	IIV0001X	LMV4713R	LMV4716P	NROSP51M	UGE2G03R
LL--1516	5	IIV0001X	LMV4713R	LPT0140M	NROSP51M	UGE2G03R
LL--1517	5	IIV0002X	L-11E-02	LCV0126P	LMV4712P	LOPCROSV
LL--1518	5	IIV0002X	L-11E-02	LMV4712M	NROSP51M	UGE2G02M
LL--1519	5	IIV0002X	L-11E-02	LMV4712M	NROSP51M	UGE2G02R
LL--1520	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LPM0141M
LL--1521	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LPM0141R
LL--1522	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LPM0141S
LL--1523	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LXV0127X
LL--1524	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LXV0469X
LL--1525	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	LXV471AX

LL--1526	5	IIV0002X	L-11E-02	LMV4712P	LOPCROSV	UCB0404N
LL--1527	5	IIV0002X	L-11E-02	LMV4712P	NROSP51M	UCAG002A
LL--1528	5	IIV0002X	L-11E-02	LMV4712P	NROSP51M	UCB0413N
LL--1529	5	IIV0002X	L-11E-02	LMV4712P	NROSP51M	UGE2G02M
LL--1530	5	IIV0002X	L-11E-02	LMV4712P	NROSP51M	UGE2G02R
LL--1531	5	IIV0002X	L-11E-02	LMV4712R	LOPCROSV	LPM0141M
LL--1532	5	IIV0002X	L-11E-02	LMV4712R	LOPCROSV	LPM0141R
LL--1533	5	IIV0002X	L-11E-02	LMV4712R	LOPCROSV	LPM0141S
LL--1534	5	IIV0002X	L-11E-02	LMV4712R	LOPCROSV	UCB0404N
LL--1535	5	IIV0002X	L-11E-02	LMV4712R	NROSP51M	UCB0413N
LL--1536	5	IIV0002X	L-11E-02	LMV4712R	NROSP51M	UGE2G02M
LL--1537	5	IIV0002X	L-11E-02	LMV4712R	NROSP51M	UGE2G02R
LL--1538	5	IIV0002X	L-11E-02	LOPCROSV	LPM0141M	LXV0128X
LL--1539	5	IIV0002X	L-11E-02	LOPCROSV	LPM0141M	LXV0130X
LL--1540	5	IIV0002X	L-11E-02	LOPCROSV	LPM0141S	LXV0128X

LL--1541	5	IIV0002X	L-11E-02	LOPCROSV	LPM0141S	LXV0130X
LL--1542	5	IIV0002X	L-11E-02	LOPCROSV	LXV0128X	UCB0404N
LL--1543	5	IIV0002X	L-11E-02	LOPCROSV	LXV0130X	UCB0404N
LL--1544	5	IIV0002X	L-11E-02	LXV0128X	NROSP51M	UCB0413N
LL--1545	5	IIV0002X	L-11E-02	LXV0128X	NROSP51M	UGE2G02M
LL--1546	5	IIV0002X	L-11E-02	LXV0128X	NROSP51M	UGE2G02R
LL--1547	5	IIV0002X	L-11E-02	LXV0130X	NROSP51M	UCB0413N
LL--1548	5	IIV0002X	L-11E-02	LXV0130X	NROSP51M	UGE2G02M
LL--1549	5	IIV0002X	L-11E-02	LXV0130X	NROSP51M	UGE2G02R
LL--1550	5	IIV0002X	L-11E-02	NROSP51M	UCBBZ040	UGE2G02M
LL--1551	5	IIV0002X	L-11E-02	NROSP51M	UCBBZ040	UGE2G02R
LL--1552	5	IIV0002X	LMV4712P	LMV4716P	NROSP51M	UGE2G02M
LL--1553	5	IIV0002X	LMV4712P	LMV4716P	NROSP51M	UGE2G02R
LL--1554	5	IIV0002X	LMV4712P	LOPORFIL	NROSP51M	UGE2G02R

LL--1555	5	IIV0002X	LMV4712P	LPT0140M	NROSP51M	UGE2G02M
LL--1556	5	IIV0002X	LMV4712P	LPT0140M	NROSP51M	UGE2G02R
LL--1557	5	IIV0002X	LMV4712R	LMV4716P	NROSP51M	UGE2G02R
LL--1558	5	IIV0002X	LMV4712R	LPT0140M	NROSP51M	UGE2G02R
LL--1559	5	KEFAS1A	KOPEFAS	L-11E-02	NROSP51M	UCB0613N
LL--1560	5	KEFAS1A	KOPEFAS	L-11E-02	NROSP51M	UGE2G03M
LL--1561	5	KEFAS1A	KOPEFAS	L-11E-02	NROSP51M	UGE2G03R
LL--1562	5	KEFAS2B	KOPEFAS	L-11E-02	NROSP51M	UCB0413N
LL--1563	5	KEFAS2B	KOPEFAS	L-11E-02	NROSP51M	UGE2G02M
LL--1564	5	KEFAS2B	KOPEFAS	L-11E-02	NROSP51M	UGE2G02R
LL--1565	5	KLOPBUV	KLOV1	KLOV2	L-11E-02	NROSP51M
LL--1566	5	KLOPBUV	KLOV1	L-11E-02	LPM0504M	NROSP51M
LL--1567	5	KLOPBUV	KLOV1	L-11E-02	LPM0504R	NROSP51M
LL--1568	5	KLOPBUV	KLOV1	L-11E-02	LPM0504S	NROSP51M
LL--1569	5	KLOPBUV	KLOV1	L-11E-02	NROSP51M	UCB0603N

LL--1570	5	KLOPBUV	KLOV1	L-11E-02	NROSP51M	UCB0613N
LL--1571	5	KLOPBUV	KLOV1	L-11E-02	NROSP51M	UGE2G03M
LL--1572	5	KLOPBUV	KLOV1	L-11E-02	NROSP51M	UGE2G03R
LL--1573	5	KLOPBUV	KLOV1	LMV4716P	NROSP51M	UGE2G03R
LL--1574	5	KLOPBUV	KLOV1	LPT0140M	NROSP51M	UGE2G03R
LL--1575	5	KLOPBUV	KLOV2	L-11E-02	LPM0141M	NROSP51M
LL--1576	5	KLOPBUV	KLOV2	L-11E-02	LPM0141R	NROSP51M
LL--1577	5	KLOPBUV	KLOV2	L-11E-02	LPM0141S	NROSP51M
LL--1578	5	KLOPBUV	KLOV2	L-11E-02	NROSP51M	UCB0404N
LL--1579	5	KLOPBUV	KLOV2	L-11E-02	NROSP51M	UCB0413N
LL--1580	5	KLOPBUV	KLOV2	L-11E-02	NROSP51M	UGE2G02M
LL--1581	5	KLOPBUV	KLOV2	L-11E-02	NROSP51M	UGE2G02R
LL--1582	5	KLOPBUV	KLOV2	LMV4716P	NROSP51M	UGE2G02R
LL--1583	5	KLOPBUV	KLOV2	LPT0140M	NROSP51M	UGE2G02R

LL--1584	5	L-11E-02	LCV0121F	NROSP51M	NR2D351M	UGE2G03S
LL--1585	5	L-11E-02	LCV0124P	NROSP51M	NR2D351M	UGE2G03S
LL--1586	5	L-11E-02	LCV0126P	LMV4712P	LMV4762P	LOPCROSV
LL--1587	5	L-11E-02	LCV0126P	LMV4712P	LOPCROSV	LOP4762X
LL--1588	5	L-11E-02	LCV0126P	LMV4714P	LMV4730P	LOPCROSV
LL--1589	5	L-11E-02	LCV0126P	NROSP51M	NR2D351M	UGE2G03S
LL--1590	5	L-11E-02	LCV0448P	NROSP51M	NR2D251M	UGE2G02S
LL--1591	5	L-11E-02	LCV0532P	LMV4713P	LMV4763P	LOPCROSV
LL--1592	5	L-11E-02	LCV0532P	LMV4713P	LOPCROSV	LOP4763X
LL--1593	5	L-11E-02	LCV0532P	LMV4715P	LMV4731P	LOPCROSV
LL--1594	5	L-11E-02	LCV0532P	NROSP51M	NR2D251M	UGE2G02S
LL--1595	5	L-11E-02	LCV0547F	NROSP51M	NR2D251M	UGE2G02S
LL--1596	5	L-11E-02	LMV4712M	LMV4762P	NROSP51M	UGE2G02M
LL--1597	5	L-11E-02	LMV4712M	LMV4762P	NROSP51M	UGE2G62R
LL--1598	5	L-11E-02	LMV4712M	LOP4762X	NROSP51M	UGE2G02M

LL--1599	S	L-11E-02	LMV4712M	LOP4762X	NROSP51M	UGE2G02R
LL--1600	S	L-11E-02	LMV4712P	LMV4762M	NROSP51M	UGE2G02M
LL--1601	S	L-11E-02	LMV4712P	LMV4762M	NROSP51M	UGE2G02R
LL--1602	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LPM0141M
LL--1603	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LPM0141R
LL--1604	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LPM0141S
LL--1605	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LXV0127X
LL--1606	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LXV0469X
LL--1607	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	LXV471AX
LL--1608	S	L-11E-02	LMV4712P	LMV4762P	LOPCROSV	UCB0404N
LL--1609	S	L-11E-02	LMV4712P	LMV4762P	NROSP51M	UCAG002A
LL--1610	S	L-11E-02	LMV4712P	LMV4762P	NROSP51M	UCB0413N
LL--1611	S	L-11E-02	LMV4712P	LMV4762P	NROSP51M	UGE2G02M
LL--1612	S	L-11E-02	LMV4712P	LMV4762P	NROSP51M	UGE2G02R

LL--1613	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LPM0141M
LL--1614	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LPM0141R
LL--1615	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LPM0141S
LL--1616	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LXV0127X
LL--1617	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LXV0469X
LL--1618	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	LXV471AX
LL--1619	5	L-11E-02	LMV4712P	LOPCROSV	LOP4762X	UCB0404N
LL--1620	5	L-11E-02	LMV4712P	LOPCROSV	LPM0141M	LXV0152X
LL--1621	5	L-11E-02	LMV4712P	LOPCROSV	LPM0141M	LXV0553X
LL--1622	5	L-11E-02	LMV4712P	LOPCROSV	LPM0141S	LXV0152X
LL--1623	5	L-11E-02	LMV4712P	LOPCROSV	LPM0141S	LXV0553X
LL--1624	5	L-11E-02	LMV4712P	LOPCROSV	LXV0152X	UCB0404N
LL--1625	5	L-11E-02	LMV4712P	LOPCROSV	LXV0553X	UCB0404N
LL--1626	5	L-11E-02	LMV4712P	LOP4762X	NROSP51M	UCAG002A
LL--1627	5	L-11E-02	LMV4712P	LOP4762X	NROSP51M	UCB0413N

LL--1628	S	L-11E-02	LMV4712P	LOP476ZX	NROSP51M	UGE2G02M
LL--1629	S	L-11E-02	LMV4712P	LOP476ZX	NROSP51M	UGE2G02R
LL--1630	S	L-11E-02	LMV4712P	LXV0152X	NROSP51M	UCB0413N
LL--1631	S	L-11E-02	LMV4712P	LXV0152X	NROSP51M	UGE2G02M
LL--1632	S	L-11E-02	LMV4712P	LXV0152X	NROSP51M	UGE2G02R
LL--1633	S	L-11E-02	LMV4712P	LXV0553X	NROSP51M	UCB0413N
LL--1634	S	L-11E-02	LMV4712P	LXV0553X	NROSP51M	UGE2G02M
LL--1635	S	L-11E-02	LMV4712P	LXV0553X	NROSP51M	UGE2G02R
LL--1636	S	L-11E-02	LMV4712P	NROSP51M	UCBBRB05	UGE2G02M
LL--1637	S	L-11E-02	LMV4712P	NROSP51M	UCBBRB05	UGE2G02R
LL--1638	S	L-11E-02	LMV4712R	LMV4762M	NROSP51M	UGE2G02M
LL--1639	S	L-11E-02	LMV4712R	LMV4762M	NROSP51M	UGE2G02R
LL--1640	S	L-11E-02	LMV4712R	LMV4762P	LOPCROSV	LPM0141M
LL--1641	S	L-11E-02	LMV4712R	LMV4762P	LOPCROSV	LPM0141R

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LL--1642    5   L-11E-02  LMV4712R  LMV4762P  LOPCROSV  LPM0141S

LL--1643    5   L-11E-02  LMV4712R  LMV4762P  LOPCROSV  UCB0404N

LL--1644    5   L-11E-02  LMV4712R  LMV4762P  NROSP51M  UCB0413N

LL--1645    5   L-11E-02  LMV4712R  LMV4762P  NROSP51M  UGE2G02M

LL--1646    5   L-11E-02  LMV4712R  LMV4762P  NROSP51M  UGE2G02R

LL--1647    5   L-11E-02  LMV4712R  LOPCROSV  LOP4762X  LPM0141M

LL--1648    5   L-11E-02  LMV4712R  LOPCROSV  LOP4762X  LPM0141R

LL--1649    5   L-11E-02  LMV4712R  LOPCROSV  LOP4762X  LPM0141S

LL--1650    5   L-11E-02  LMV4712R  LOPCROSV  LOP4762X  UCB0404N

LL--1651    5   L-11E-02  LMV4712R  LOP4762X  NROSP51M  UCB0413N

LL--1652    5   L-11E-02  LMV4712R  LOP4762X  NROSP51M  UGE2G02M

LL--1653    5   L-11E-02  LMV4712R  LOP4762X  NROSP51M  UGE2G02R

LL--1654    5   L-11E-02  LMV4712R  LXV0152X  NROSP51M  UGE2G02M

LL--1655    5   L-11E-02  LMV4712R  LXV0152X  NROSP51M  UGE2G02R

LL--1656    5   L-11E-02  LMV4712R  LXV0553X  NROSP51M  UGE2G02M
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LL--1657	5	L-11E-02	LMV4712R	LXV0553X	NROSP51M	UGE2G02R
LL--1658	5	L-11E-02	LMV4712R	NROSP51M	UCBBRB05	UGE2G02M
LL--1659	5	L-11E-02	LMV4712R	NROSP51M	UCBBRB05	UGE2G02R
LL--1660	5	L-11E-02	LMV4713M	LMV4763P	NROSP51M	UGE2G03M
LL--1661	5	L-11E-02	LMV4713M	LMV4763P	NROSP51M	UGE2G03R
LL--1662	5	L-11E-02	LMV4713M	LOP4763X	NROSP51M	UGE2G03M
LL--1663	5	L-11E-02	LMV4713M	LOP4763X	NROSP51M	UGE2G03R
LL--1664	5	L-11E-02	LMV4713P	LMV4763M	NROSP51M	UGE2G03M
LL--1665	5	L-11E-02	LMV4713P	LMV4763M	NROSP51M	UGE2G03R
LL--1666	5	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LPM0504M
LL--1667	5	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LPM0504R
LL--1668	5	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LPM0504S
LL--1669	5	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LXV0533X
LL--1670	5	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LXV0538X

LL--1671	S	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	LXV0542X
LL--1672	S	L-11E-02	LMV4713P	LMV4763P	LOPCROSV	UCB0603N
LL--1673	S	L-11E-02	LMV4713P	LMV4763P	NROSP51M	UCAG003A
LL--1674	S	L-11E-02	LMV4713P	LMV4763P	NROSP51M	UCB0613N
LL--1675	S	L-11E-02	LMV4713P	LMV4763P	NROSP51M	UGE2G03M
LL--1676	S	L-11E-02	LMV4713P	LMV4763P	NROSP51M	UGE2G03R
LL--1677	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LPM0504M
LL--1678	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LPM0504R
LL--1679	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LPM0504S
LL--1680	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LXV0533X
LL--1681	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LXV0538X
LL--1682	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	LXV0542X
LL--1683	S	L-11E-02	LMV4713P	LOPCROSV	LOP4763X	UCB0603N
LL--1684	S	L-11E-02	LMV4713P	LOPCROSV	LPM0504M	LXV0153X
LL--1685	S	L-11E-02	LMV4713P	LOPCROSV	LPM0504M	LXV0154X

LL--1686	5	L-11E-02	LMV4713P	LOPCROSV	LPM0504S	LXV0153X
LL--1687	5	L-11E-02	LMV4713P	LOPCROSV	LPM0504S	LXV0154X
LL--1688	5	L-11E-02	LMV4713P	LOPCROSV	LXV0153X	UCB0603N
LL--1689	5	L-11E-02	LMV4713P	LOPCROSV	LXV0154X	UCB0603N
LL--1690	5	L-11E-02	LMV4713P	LOP4763X	NROSP51M	UCAG003A
LL--1691	5	L-11E-02	LMV4713P	LOP4763X	NROSP51M	UCB0613N
LL--1692	5	L-11E-02	LMV4713P	LOP4763X	NROSP51M	UGE2G07M
LL--1693	5	L-11E-02	LMV4713P	LOP4763X	NROSP51M	UGE2G03R
LL--1694	5	L-11E-02	LMV4713P	LXV0153X	NROSP51M	UCB0613N
LL--1695	5	L-11E-02	LMV4713P	LXV0153X	NROSP51M	UGE2G03M
LL--1696	5	L-11E-02	LMV4713P	LXV0153X	NROSP51M	UGE2G03R
LL--1697	5	L-11E-02	LMV4713P	LXV0154X	NROSP51M	UCB0613N
LL--1698	5	L-11E-02	LMV4713P	LXV0154X	NROSP51M	UGE2G03M
LL--1699	5	L-11E-02	LMV4713P	LXV0154X	NROSP51M	UGE2G03R

LL--1700	5	L-11E-02	LMV4713P	NROSP51M	UCBCRA05	UGE2G03M
LL--1701	5	L-11E-02	LMV4713P	NROSP51M	UCBCRA05	UGE2G03R
LL--1702	5	L-11E-02	LMV4713R	LMV4763M	NROSP51M	UGE2G03M
LL--1703	5	L-11E-02	LMV4713R	LMV4763M	NROSP51M	UGE2G03R
LL--1704	5	L-11E-02	LMV4713R	LMV4763P	LOPCROSV	LPM0504M
LL--1705	5	L-11E-02	LMV4713R	LMV4763P	LOPCROSV	LPM0504R
LL--1706	5	L-11E-02	LMV4713R	LMV4763P	LOPCROSV	LPM0504S
LL--1707	5	L-11E-02	LMV4713R	LMV4763P	LOPCROSV	UCB0603N
LL--1708	5	L-11E-02	LMV4713R	LMV4763P	NROSP51M	UCB0613N
LL--1709	5	L-11E-02	LMV4713R	LMV4763P	NROSP51M	UGE2G03M
LL--1710	5	L-11E-02	LMV4713R	LMV4763P	NROSP51M	UGE2G03R
LL--1711	5	L-11E-02	LMV4713R	LOPCROSV	LOP4763X	LPM0504M
LL--1712	5	L-11E-02	LMV4713R	LOPCROSV	LOP4763X	LPM0504R
LL--1713	5	L-11E-02	LMV4713R	LOPCROSV	LOP4763X	LPM0504S
LL--1714	5	L-11E-02	LMV4713R	LOPCROSV	LOP4763X	UCB0603N

LL--1715	5	L-11E-02	LMV4713R	LOP4763X	NROSP51M	UCB0613N
LL--1716	5	L-11E-02	LMV4713R	LOP4763X	NROSP51M	UGL2G03M
LL--1717	5	L-11E-02	LMV4713R	LOP4763X	NROSP51M	UGE2G03R
LL--1718	5	L-11E-02	LMV4713R	LXV0153X	NROSP51M	UGE2G03M
LL--1719	5	L-11E-02	LMV4713R	LXV0153X	NROSP51M	UGE2G03R
LL--1720	5	L-11E-02	LMV4713R	LXV0154X	NROSP51M	UGE2G03M
LL--1721	5	L-11E-02	LMV4713R	LXV0154X	NROSP51M	UGE2G03R
LL--1722	5	L-11E-02	LMV4713R	NROSP51M	UCBBRA05	UGE2G03M
LL--1723	5	L-11E-02	LMV4713R	NROSP51M	UCBBRA05	UGE2G03R
LL--1724	5	L-11E-02	LMV4714M	LMV4730P	NROSP51M	UGE2G02M
LL--1725	5	L-11E-02	LMV4714	MV4730P	NROSP51M	UGE2G02R
LL--1726	5	L-11E-02	LMV4714P	LMV4730M	NROSP51M	UGE2G02M
LL--1727	5	L-11E-02	LMV4714P	LMV4730M	NROSP51M	UGE2G02R
LL--1728	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LPM0141M

LL--1729	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LPM0141R
LL--1730	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LPM0141S
LL--1731	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LXV0127X
LL--1732	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LXV0469X
LL--1733	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	LXV471AX
LL--1734	5	L-11E-02	LMV4714P	LMV4730P	LOPCROSV	UCB0404N
LL--1735	5	L-11E-02	LMV4714P	LMV4730P	NROSP51M	UCAG002A
LL--1736	5	L-11E-02	LMV4714P	LMV4730P	NROSP51M	UCB0413N
LL--1737	5	L-11E-02	LMV4714P	LMV4730P	NROSP51M	UGE2G02M
LL--1738	5	L-11E-02	LMV4714P	LMV4730P	NROSP51M	UGE2G02R
LL--1739	5	L-11E-02	LMV4715M	LMV4731P	NROSP51M	UGE2G03M
LL--1740	5	L-11E-02	LMV4715M	LMV4731P	NROSP51M	UGE2G03R
LL--1741	5	L-11E-02	LMV4715M	LSV4731P	NROSP51M	UGE2G03M
LL--1742	5	L-11E-02	LMV4715M	LSV4731P	NROSP51M	UGE2G03R
LL--1743	5	L-11E-02	LMV4715P	LMV4731M	NROSP51M	UGE2G03M

LL--1744	5	L-11E-02	LMV4715P	LMV4731M	NROSP51M	UGE2G03R
LL--1745	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LPM0504M
LL--1746	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LPM0504R
LL--1747	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LPM0504S
LL--1748	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LXV0533X
LL--1749	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LXV0538X
LL--1750	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	LXV0542X
LL--1751	5	L-11E-02	LMV4715P	LMV4731P	LOPCROSV	UCB0603N
LL--1752	5	L-11E-02	LMV4715P	LMV4731P	NROSP51M	UCAG003A
LL--1753	5	L-11E-02	LMV4715P	LMV4731P	NROSP51M	UCB0613N
LL--1754	5	L-11E-02	LMV4715P	LMV4731P	NROSP51M	UGE2G03M
LL--1755	5	L-11E-02	LMV4715P	LMV4731P	NROSP51M	UGE2G03R
LL--1756	5	L-11E-02	LMV4715P	LOPCROSV	LPM0504M	LSV4731P
LL--1757	5	L-11E-02	LMV4715P	LOPCROSV	LPM0504R	LSV4731P

LL--1758 5 L-11E-02 LMV4715P LOPCROSV LPM0504S LSV4731P

LL--1759 5 L-11E-02 LMV4715P LOPCROSV LSV4731P UCB0603N

LL--1760 5 L-11E-02 LMV4715P LSV4731P NROSP51M UCB0613N

LL--1761 5 L-11E-02 LMV4715P LSV4731P NROSP51M UGE2G03M

LL--1762 5 L-11E-02 LMV4715P LSV4731P NROSP51M UGE2G03R

LL--1763 5 L-11E-02 LMV4715P NROSP51M UCB8E36O UGE2G03M

LL--1764 5 L-11E-02 LMV4715P NROSP51M UCB8E36O UGE2G03R

LL--1765 5 L-11E-02 LMV4730M LSV4714P NROSP51M UGE2G02M

LL--1766 5 L-11E-02 LMV4730M LSV4714P NROSP51M UGE2G02R

LL--1767 5 L-11E-02 LMV4730P LOPCROSV LPM0141M LSV4714P

LL--1768 5 L-11E-02 LMV4730P LOPCROSV LPM0141R LSV4714P

LL--1769 5 L-11E-02 LMV4730P LOPCROSV LPM0141S LSV4714P

LL--1770 5 L-11E-02 LMV4730P LOPCROSV LSV4714P UCB0404N

LL--1771 5 L-11E-02 LMV4730P LSV4714P NROSP51M UCB0413N

LL--1772 5 L-11E-02 LMV4730P LSV4714P NROSP51M UGE2G02M

LL--1773	5	L-11E-02	LMV4730P	LSV4714P	NROSP51M	UGE2G02R
LL--1774	5	L-11E-02	LMV4730P	NROSP51M	UCBBZ210	UGE2G02M
LL--1775	5	L-11E-02	LMV4730P	NROSP51M	UCBBZ210	UGE2G02R
LL--1776	5	L-11E-02	LMV4762P	LOPCROSV	LPM0141M	LXV0128X
LL--1777	5	L-11E-02	LMV4762P	LOPCROSV	LPM0141M	LXV0130X
LL--1778	5	L-11E-02	LMV4762P	LOPCROSV	LPM0141S	LXV0128X
LL--1779	5	L-11E-02	LMV4762P	LOPCROSV	LPM0141S	LXV0130X
LL--1780	5	L-11E-02	LMV4762P	LOPCROSV	LXV0128X	UCB0404N
LL--1781	5	L-11E-02	LMV4762P	LOPCROSV	LXV0130X	UCB0404N
LL--1782	5	L-11E-02	LMV4762P	LXV0128X	NROSP51M	UCB0413N
LL--1783	5	L-11E-02	LMV4762P	LXV0128X	NROSP51M	UGE2G02M
LL--1784	5	L-11E-02	LMV4762P	LXV0128X	NROSP51M	UGE2G02R
LL--1785	5	L-11E-02	LMV4762P	LXV0130X	NROSP51M	UCB0413N
LL--1786	5	L-11E-02	LMV4762P	LXV0130X	NROSP51M	UGE2G02M

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LL--1787      5   L-11E-02  LMV4762P  LXV0130X  NROSP51M  UGE2G02R

LL--1788      5   L-11E-02  LMV4762P  NROSP51M  UCBBZ040  UGE2G02M

LL--1789      5   L-11E-02  LMV4762P  NROSP51M  UCBBZ040  UGE2G02R

LL--1790      5   L-11E-02  LMV4763P  LOPCROSV  LPM0504M  LXV0131X

LL--1791      5   L-11E-02  LMV4763P  LOPCROSV  LPM0504M  LXV0133X

LL--1792      5   L-11E-02  LMV4763P  LOPCROSV  LPM0504S  LXV0131X

LL--1793      5   L-11E-02  LMV4763P  LOPCROSV  LPM0504S  LXV0133X

LL--1794      5   L-11E-02  LMV4763P  LOPCROSV  LXV0131X  UCB0603N

LL--1795      5   L-11E-02  LMV4763P  LOPCROSV  LXV0133X  UCB0603N

LL--1796      5   L-11E-02  LMV4763P  LXV0131X  NROSP51M  UCB0613N

LL--1797      5   L-11E-02  LMV4763P  LXV0131X  NROSP51M  UGE2G03M

LL--1798      5   L-11E-02  LMV4763P  LXV0131X  NROSP51M  UGE2G03R

LL--1799      5   L-11E-02  LMV4763P  LXV0133X  NROSP51M  UCB0613N

LL--1800      5   L-11E-02  LMV4763P  LXV0133X  NROSP51M  UGE2G03M

LL--1801      5   L-11E-02  LMV4763P  LXV0133X  NROSP51M  UGE2G03R
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LL--1802	5	L-11E-02	LMV4763P	NROSP51M	UCB8E06O	UGE2G03M
LL--1803	5	L-11E-02	LMV4763P	NROSP51M	UCB8E06O	UGE2G03R
LL--1804	5	L-11E-02	LOPCROSV	LOP4762X	LPM0141M	LXV0128X
LL--1805	5	L-11E-02	LOPCROSV	LOP4762X	LPM0141M	LXV0130X
LL--1806	5	L-11E-02	LOPCROSV	LOP4762X	LPM0141S	LXV0128X
LL--1807	5	L-11E-02	LOPCROSV	LOP4762X	LPM0141S	LXV0130X
LL--1808	5	L-11E-02	LOPCROSV	LOP4762X	LXV0128X	UCB0404N
LL--1809	5	L-11E-02	LOPCROSV	LOP4762X	LXV0130X	UCB0404N
LL--1810	5	L-11E-02	LOPCROSV	LOP4763X	LPM0504M	LXV0131X
LL--1811	5	L-11E-02	LOPCROSV	LOP4763X	LPM0504M	LXV0133X
LL--1812	5	L-11E-02	LOPCROSV	LOP4763X	LPM0504S	LXV0131X
LL--1813	5	L-11E-02	LOPCROSV	LOP4763X	LPM0504S	LXV0133X
LL--1814	5	L-11E-02	LOPCROSV	LOP4763X	LXV0131X	UCB0603N
LL--1815	5	L-11E-02	LOPCROSV	LOP4763X	LXV0133X	UCB0603N

LL--1816	5	L-11E-02	LOP4762X	LXV0128X	NROSP51M	UCB0413N
LL--1817	5	L-11E-02	LOP4762X	LXV0128X	NROSP51M	UGE2G02M
LL--1818	5	L-11E-02	LOP4762X	LXV0128X	NROSP51M	UGE2G02R
LL--1819	5	L-11E-02	LOP4762X	LXV0130X	NROSP51M	UCB0413N
LL--1820	5	L-11E-02	LOP4762X	LXV0130X	NROSP51M	UGE2G02M
LL--1821	5	L-11E-02	LOP4762X	LXV0130X	NROSP51M	UGE2G02R
LL--1822	5	L-11E-02	LOP4762X	NROSP51M	UCBBZ04O	UGE2G02M
LL--1823	5	L-11E-02	LOP4762X	NROSP51M	UCBBZ04O	UGE2G02R
LL--1824	5	L-11E-02	LOP4763X	LXV0131X	NROSP51M	UCB0613N
LL--1825	5	L-11E-02	LOP4763X	LXV0131X	NROSP51M	UGE2G03M
LL--1826	5	L-11E-02	LOP4763X	LXV0131X	NROSP51M	UGE2G03R
LL--1827	5	L-11E-02	LOP4763X	LXV0133X	NROSP51M	UCB0613N
LL--1828	5	L-11E-02	LOP4763X	LXV0133X	NROSP51M	UGE2G03M
LL--1829	5	L-11E-02	LOP4763X	LXV0133X	NROSP51M	UGE2G03R
LL--1830	5	L-11E-02	LOP4763X	NROSP51M	UCBBE06O	UGE2G03M

LL--1831	5	L-11E-02	LOP4763X	NROSP51M	UCBBE0[illegible]0	UGE2G03R
LL--1832	5	L-11E-02	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--1833	5	L-11E-02	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--1834	5	L-11E-02	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
LL--1835	5	L-11E-02	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--1836	5	L-11E-02	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--1837	5	L-11E-02	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--1838	5	L-11E-02	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--1839	5	L-11E-02	LXV0128X	LXV0152X	NROSP51M	UGE2G02R
LL--1840	5	L-11E-02	LXV0128X	LXV0553X	NROSP51M	UGE2G02R
LL--1841	5	L-11E-02	LXV0130X	LXV0152X	NROSP51M	UGE2G02R
LL--1842	5	L-11E-02	LXV0130X	LXV0553X	NROSP51M	UGE2G02R
LL--1843	5	L-11E-02	LXV0131X	LXV0153X	NROSP51M	UGE2G03R
LL--1844	5	L-11E-02	LXV0131X	LXV0154X	NROSP51M	UGE2G03R

LL--1845	5	L-11E-02	LXV0133X	LXV0153X	NROSP51M	UGE2G03R
LL--1846	5	L-11E-02	LXV0133X	LXV0154X	NROSP51M	UGE2G03R
LL--1847	5	L-11E-02	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
LL--1848	5	L-11E-02	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--1849	5	L-11E-02	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--1850	5	L-11E-02	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--1851	5	L-11E-02	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--1852	5	L-11E-02	NROSP51M	NR2D251M	UBS2A06H	UGE2G02S
LL--1853	5	L-11E-02	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
LL--1854	5	L-11E-02	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--1855	5	L-11E-02	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--1856	5	L-11E-02	NROSP51M	NR2D351M	UBS2A04H	UGE2G03S
LL--1857	5	L-11E-02	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--1858	5	L-11E-02	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--1859	5	L-11E-02	NROSP51M	NR2D351M	UCB0413N	UGE2G03S

LL--1860	5	LCV0121F	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1861	5	LCV0121F	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--1862	5	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1863	5	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1864	5	LCV0124P	LMV4705P	NROSP51M	NR2D351M	UGE2G03S
LL--1865	5	LCV0124P	LMV4705R	NROSP51M	NR2D351M	UGE2G03S
LL--1866	5	LCV0124P	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1867	5	LCV0124P	LMV4730P	NROSP51M	NR2D351M	UGE2G03S
LL--1868	5	LCV0124P	LOPCROSV	LPM0504M	LPT0140S	LPT0140Y
LL--1869	5	LCV0124P	LOPCROSV	LPM0504R	LPT0140S	LPT0140Y
LL--1870	5	LCV0124P	LOPCROSV	LPM0504S	LPT0140S	LPT0140Y
LL--1871	5	LCV0124P	LOPCROSV	LPT0140S	LPT0140Y	UCB0603N
LL--1872	5	LCV0124P	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S
LL--1873	5	LCV0124P	LPT0140M	NROSP51M	NR2D351M	UGE2G03S

LL--1874	5	LCV0124P	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
LL--1875	5	LCV0124P	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--1876	5	LCV0124P	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1877	5	LCV0124P	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1878	5	LCV0126P	LMV4716P	NROSP51M	NR2D351M	UGE2G03S
LL--1879	5	LCV0126P	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S
LL--1880	5	LCV0126P	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--1881	5	LCV0126P	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
LL--1882	5	LCV0126P	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--1883	5	LCV0126P	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--1884	5	LCV0126P	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--1885	5	LCV0448P	LMV4706P	NROSP51M	NR2D251M	UGE2G02S
LL--1886	5	LCV0448P	LMV4706R	NROSP51M	NR2D251M	UGE2G02S
LL--1887	5	LCV0448P	LMV4715P	NROSP51M	NR2D251M	UGE2G02S
LL--1888	5	LCV0448P	LMV4716P	NROSP51M	NR2D251M	UGE2G02S

LL--1889	5	LCV0448P	LOPCROSV	LPM0141M	LPT0140S	LPT0140Y
LL--1890	5	LCV0448P	LOPCROSV	LPM0141R	LPT0140S	LPT0140Y
LL--1891	5	LCV0448P	LOPCROSV	LPM0141S	LPT0140S	LPT0140Y
LL--1892	5	LCV0448P	LOPCROSV	LPT0140S	LPT0140Y	UCB0404N
LL--1893	5	LCV0448P	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S
LL--1894	5	LCV0448P	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1895	5	LCV0448P	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
LL--1896	5	LCV0448P	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--1897	5	LCV0448P	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1898	5	LCV0448P	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--1899	5	LCV0532P	LMV4716P	NROSP51M	NR2D251M	UGE2G02S
LL--1900	5	LCV0532P	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S
LL--1901	5	LCV0532P	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1902	5	LCV0532P	LPT0140R	NROSP51M	NR2D251M	UGE2G02S

LL--1903	5	LCV0532P	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--1904	5	LCV0532P	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1905	5	LCV0532P	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--1906	5	LCV0547F	LMV4716P	NROSP51M	NR2D251M	UGE2G02S
LL--1907	5	LCV0547F	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--1908	5	LCV0547F	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--1909	5	LCV0547F	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--1910	5	LMV4705P	LMV4706P	LPM0141M	NROSP51M	UGE2G03M
LL--1911	5	LMV4705P	LMV4706P	LPM0141M	NROSP51M	UGE2G03R
LL--1912	5	LMV4705P	LMV4706P	LPM0141R	NROSP51M	UGE2G03R
LL--1913	5	LMV4705P	LMV4706P	LPM0141S	NROSP51M	UGE2G03M
LL--1914	5	LMV4705P	LMV4706P	LPM0141S	NROSP51M	UGE2G03R
LL--1915	5	LMV4705P	LMV4706P	LPM0504M	NROSP51M	UGE2G02M
LL--1916	5	LMV4705P	LMV4706P	LPM0504M	NROSP51M	UGE2G02R
LL--1917	5	LMV4705P	LMV4706P	LPM0504R	NROSP51M	UGE2G02R

LL--1918	5	LMV4705P	LMV4706P	LPM0504S	NROSP51M	UGE2G02M
LL--1919	5	LMV4705P	LMV4706P	LPM0504S	NROSP51M	UGE2G02R
LL--1920	5	LMV4705P	LMV4706P	NROSP51M	UCB0404N	UGE2G03M
LL--1921	5	LMV4705P	LMV4706P	NROSP51M	UCB0404N	UGE2G03R
LL--1922	5	LMV4705P	LMV4706P	NROSP51M	UCB0413N	UGE2G03M
LL--1923	5	LMV4705P	LMV4706P	NROSP51M	UCB0413N	UGE2G03R
LL--1924	5	LMV4705P	LMV4706P	NROSP51M	UCB0603N	UGE2G02M
LL--1925	5	LMV4705P	LMV4706P	NROSP51M	UCB0603N	UGE2G02R
LL--1926	5	LMV4705P	LMV4706P	NROSP51M	UCB0613N	UGE2G02M
LL--1927	5	LMV4705P	LMV4706P	NROSP51M	UCB0613N	UGE2G02R
LL--1928	5	LMV4705P	LMV4706R	LPM0141M	NROSP51M	UGE2G03R
LL--1929	5	LMV4705P	LMV4706R	LPM0141S	NROSP51M	UGE2G03R
LL--1930	5	LMV4705P	LMV4706R	LPM0504M	NROSP51M	UGE2G02R
LL--1931	5	LMV4705P	LMV4706R	LPM0504S	NROSP51M	UGE2G02R

LL--1932	5	LMV4705P	LMV4706R	NROSP51M	UCB0404N	UGE2G03R
LL--1933	5	LMV4705P	LMV4706R	NROSP51M	UCB0413N	UGE2G03R
LL--1934	5	LMV4705P	LMV4706R	NROSP51M	UCB0603N	UGE2G02R
LL--1935	5	LMV4705P	LMV4706R	NROSP51M	UCB0613N	UGE2G02R
LL--1936	5	LMV4705P	LMV4715P	LMV4731P	NROSP51M	UGE2G03M
LL--1937	5	LMV4705P	LMV4715P	LMV4731P	NROSP51M	UGE2G03R
LL--1938	5	LMV4705P	LMV4715P	LPM0504M	NROSP51M	UGE2G02M
LL--1939	5	LMV4705P	LMV4715P	LPM0504M	NROSP51M	UGE2G02R
LL--1940	5	LMV4705P	LMV4715P	LPM0504R	NROSP51M	UGE2G02R
LL--1941	5	LMV4705P	LMV4715P	LPM0504S	NROSP51M	UGE2G02M
LL--1942	5	LMV4705P	LMV4715P	LPM0504S	NROSP51M	UGE2G02R
LL--1943	5	LMV4705P	LMV4715P	LSV4731P	NROSP51M	UGE2G03R
LL--1944	5	LMV4705P	LMV4715P	NROSP51M	UCB0413N	UGE2G03M
LL--1945	5	LMV4705P	LMV4715P	NROSP51M	UCB0413N	UGE2G03R
LL--1946	5	LMV4705P	LMV4715P	NROSP51M	UCB0603N	UGE2G02M

LL--1947	5	LMV4705P	LMV4715P	NROSP51M	UCB0603N	UGE2G02R
LL--1948	5	LMV4705P	LMV4715P	NROSP51M	UCB0613N	UGE2G02M
LL--1949	5	LMV4705P	LMV4715P	NROSP51M	UCB0613N	UGE2G02R
LL--1950	5	LMV4705R	LMV4706P	LPM0141M	NROSP51M	UGE2G03R
LL--1951	5	LMV4705R	LMV4706P	LPM0141S	NROSP51M	UGE2G03R
LL--1952	5	LMV4705R	LMV4706P	LPM0504M	NROSP51M	UGE2G02R
LL--1953	5	LMV4705R	LMV4706P	LPM0504S	NROSP51M	UGE2G02R
LL--1954	5	LMV4705R	LMV4706P	NROSP51M	UCB0404N	UGE2G03R
LL--1955	5	LMV4705R	LMV4706P	NROSP51M	UCB0413N	UGE2G03R
LL--1956	5	LMV4705R	LMV4706P	NROSP51M	UCB0603N	UGE2G02R
LL--1957	5	LMV4705R	LMV4706P	NROSP51M	UCB0613N	UGE2G02R
LL--1958	5	LMV4705R	LMV4715P	LMV4731P	NROSP51M	UGE2G03R
LL--1959	5	LMV4705R	LMV4715P	LPM0504M	NROSP51M	UGE2G02R
LL--1960	5	LMV4705R	LMV4715P	LPM0504S	NROSP51M	UGE2G02R

LL--1961	5	LMV4705R	LMV4715P	NROSP51M	UCB0413N	UGE2G03R
LL--1962	5	LMV4705R	LMV4715P	NROSP51M	UCB0603N	UGE2G02R
LL--1963	5	LMV4705R	LMV4715P	NROSP51M	UCB0613N	UGE2G02R
LL--1964	5	LMV4706P	LMV4714P	LMV4730P	NROSP51M	UGE2G02M
LL--1965	5	LMV4706P	LMV4714P	LMV4730P	NROSP51M	UGE2G02R
LL--1966	5	LMV4706P	LMV4730P	LPM0141M	NROSP51M	UGE2G03M
LL--1967	5	LMV4706P	LMV4730P	LPM0141M	NROSP51M	UGE2G03R
LL--1968	5	LMV4706P	LMV4730P	LPM0141R	NROSP51M	UGE2G03R
LL--1969	5	LMV4706P	LMV4730P	LPM0141S	NROSP51M	UGE2G03M
LL--1970	5	LMV4706P	LMV4730P	LPM0141S	NROSP51M	UGE2G03R
LL--1971	5	LMV4706P	LMV4730P	LSV4714P	NROSP51M	UGE2G02R
LL--1972	5	LMV4706P	LMV4730P	NROSP51M	UCB0404N	UGE2G03M
LL--1973	5	LMV4706P	LMV4730P	NROSP51M	UCB0404N	UGE2G03R
LL--1974	5	LMV4706P	LMV4730P	NROSP51M	UCB0413N	UGE2G03M
LL--1975	5	LMV4706P	LMV4730P	NROSP51M	UCB0413N	UGE2G03C

LL--1976	5	LMV4706P	LMV4730P	NROSP51M	UCB0613N	UGE2G02M
LL--1977	5	LMV4706P	LMV4730P	NROSP51M	UCB0613N	UGE2G02R
LL--1978	5	LMV4706R	LMV4714P	LMV4730P	NROSP51M	UGE2G02R
LL--1979	5	LMV4706R	LMV4730P	LPM0141M	NROSP51M	UGE2G03R
LL--1980	5	LMV4706R	LMV4730P	LPM0141S	NROSP51M	UGE2G03R
LL--1981	5	LMV4706R	LMV4730P	NROSP51M	UCB0404N	UGE2G03R
LL--1982	5	LMV4706R	LMV4730P	NROSP51M	UCB0413N	UGE2G03R
LL--1983	5	LMV4706R	LMV4730P	NROSP51M	UCB0613N	UGE2G02R
LL--1984	5	LMV4712P	LMV4716P	LMV4762P	NROSP51M	UGE2G02M
LL--1985	5	LMV4712P	LMV4716P	LMV4762P	NROSP51M	UGE2G02R
LL--1986	5	LMV4712P	LMV4716P	LOP4762X	NROSP51M	UGE2G02M
LL--1987	5	LMV4712P	LMV4716P	LOP4762X	NROSP51M	UGE2G02R
LL--1988	5	LMV4712P	LMV4762P	LOPORFIL	NROSP51M	UGE2G02R
LL--1989	5	LMV4712P	LMV4762P	LPT0140M	NROSP51M	UGE2G02M

LL--1990	5	LMV4712P	LMV4762P	LPT0140M	NROSP51M	UGE2G02R
LL--1991	5	LMV4712P	LOPORFIL	LOP4762X	NROSP51M	UGE2G02R
LL--1992	5	LMV4712P	LOP4762X	LPT0140M	NROSP51M	UGE2G02M
LL--1993	5	LMV4712P	LOP4762X	LPT0140M	NROSP51M	UGE2G02R
LL--1994	5	LMV4712R	LMV4716P	LMV4762P	NROSP51M	UGE2G02R
LL--1995	5	LMV4712R	LMV4716P	LOP4762X	NROSP51M	UGE2G02R
LL--1996	5	LMV4712R	LMV4762P	LPT0140M	NROSP51M	UGE2G02R
LL--1997	5	LMV4712R	LOP4762X	LPT0140M	NROSP51M	UGE2G02R
LL--1998	5	LMV4713P	LMV4716P	LMV4763P	NROSP51M	UGE2G03M
LL--1999	5	LMV4713P	LMV4716P	LMV4763P	NROSP51M	UGE2G03R
LL--2000	5	LMV4713P	LMV4716P	LOP4763X	NROSP51M	UGE2G03M
LL--2001	5	LMV4713P	LMV4716P	LOP4763X	NROSP51M	UGE2G03R
LL--2002	5	LMV4713P	LMV4763P	LOPORFIL	NROSP51M	UGE2G03R
LL--2003	5	LMV4713P	LMV4763P	LPT0140M	NROSP51M	UGE2G03M
LL--2004	5	LMV4713P	LMV4763P	LPT0140M	NROSP51M	UGE2G03R

LL--2005	5	LMV4713P	LOPORFIL	LOP4763X	NROSP51M	UGE2G03R
LL--2006	5	LMV4713P	LOP4763X	LPT0140M	NROSP51M	UGE2G03M
LL--2007	5	LMV4713P	LOP4763X	LPT0140M	NROSP51M	UGE2G03R
LL--2008	5	LMV4713R	LMV4716P	LMV4763P	NROSP51M	UGE2G03R
LL--2009	5	LMV4713R	LMV4716P	LOP4763X	NROSP51M	UGE2G03R
LL--2010	5	LMV4713R	LMV4763P	LPT0140M	NROSP51M	UGE2G03R
LL--2011	5	LMV4713R	LOP4763X	LPT0140M	NROSP51M	UGE2G03R
LL--2012	5	LMV4714P	LMV4715P	LMV4730P	NROSP51M	UGE2G02M
LL--2013	5	LMV4714P	LMV4715P	LMV4730P	NROSP51M	UGE2G02R
LL--2014	5	LMV4714P	LMV4716P	LMV4730P	NROSP51M	UGE2G02M
LL--2015	5	LMV4714P	LMV4716P	LMV4730P	NROSP51M	UGE2G02R
LL--2016	5	LMV4714P	LMV4730P	LOPORFIL	NROSP51M	UGE2G02R
LL--2017	5	LMV4714P	LMV4730P	LPT0140M	NROSP51M	UGE2G02M
LL--2018	5	LMV4714P	LMV4730P	LPT0140M	NROSP51M	UGE2G02R

LL--2019	5	LMV4715P	LMV4716P	LMV4731P	NROSP51M	UGE2G03M
LL--2020	5	LMV4715P	LMV4716P	LMV4731P	NROSP51M	UGE2G03R
LL--2021	5	LMV4715P	LMV4716P	LSV4731P	NROSP51M	UGE2G03R
LL--2022	5	LMV4715P	LMV4730P	LMV4731P	NROSP51M	UGE2G03M
LL--2023	5	LMV4715P	LMV4730P	LMV4731P	NROSP51M	UGE2G03R
LL--2024	5	LMV4715P	LMV4730P	LSV4714P	NROSP51M	UGE2G02R
LL--2025	5	LMV4715P	LMV4730P	LSV4731P	NROSP51M	UGE2G03R
LL--2026	5	LMV4715P	LMV4730P	NROSP51M	UCB0413N	UGE2G03M
LL--2027	5	LMV4715P	LMV4730P	NROSP51M	UCB0413N	UGE2G03R
LL--2028	5	LMV4715P	LMV4730P	NROSP51M	UCB0613N	UGE2G02M
LL--2029	5	LMV4715P	LMV4730P	NROSP51M	UCB0613N	UGE2G02R
LL--2030	5	LMV4715P	LMV4731P	LOPORFIL	NROSP51M	UGE2G03R
LL--2031	5	LMV4715P	LMV4731P	LPT0140M	NROSP51M	UGE2G03M
LL--2032	5	LMV4715P	LMV4731P	LPT0140M	NROSP51M	UGE2G03R
LL--2033	5	LMV4715P	LPT0140M	LSV4731P	NROSP51M	UGE2G03R

LL--2034	5	LMV4716M	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--2035	5	LMV4716M	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--2036	5	LMV4716M	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
LL--2037	5	LMV4716M	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--2038	5	LMV4716M	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--2039	5	LMV4716M	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--2040	5	LMV4716M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2041	5	LMV4716M	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2042	5	LMV4716M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2043	5	LMV4716M	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2044	5	LMV4716P	LMV4730P	LSV4714P	NROSP51M	UGE2G02R
LL--2045	5	LMV4716P	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--2046	5	LMV4716P	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--2047	5	LMV4716P	LPM0141S	NROSP51M	NR2D351M	UGE2G03S

LL--2048	5	LMV4716P	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--2049	5	LMV4716P	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--2050	5	LMV4716P	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--2051	5	LMV4716P	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--2052	5	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
LL--2053	5	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--2054	5	LMV4716P	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--2055	5	LMV4716P	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--2056	5	LMV4716P	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--2057	5	LMV4716P	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
LL--2058	5	LMV4716P	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2059	5	LMV4716P	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2060	5	LMV4716P	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--2061	5	LMV4716P	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2062	5	LMV4716P	NROSP51M	NR2D351M	UCB0413N	UGE2G03S

LL--2063	5	LMV4730P	LPT0140M	LSV4714P	NROSP51M	UGE2G02R
LL--2064	5	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
LL--2065	5	LOPORFIL	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
LL--2066	5	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
LL--2067	5	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
LL--2068	5	LOPORFIL	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
LL--2069	5	LOPORFIL	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
LL--2070	5	LOPORFIL	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--2071	5	LOPORFIL	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
LL--2072	5	LOPORFIL	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--2073	5	LOPORFIL	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--2074	5	LOPORFIL	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--2075	5	LOPORFIL	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--2076	5	LOPORFIL	NROSP51M	NR2D251M	UCAG003A	UGE2G02S

LL--2077	5	LOPORFIL	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2078	5	LOPORFIL	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2079	5	LOPORFIL	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--2080	5	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2081	5	LOPORFIL	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--20[illegible]	5	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--2083	5	LPM0141M	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
LL--2084	5	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCAG003A
LL--2085	5	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--2086	5	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--2087	5	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--2088	5	LPM0141M	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
LL--2089	5	LPM0141M	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
LL--2090	5	LPM0141M	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
LL--2091	5	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G03S

LL--2092	5	LPM0141R	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
LL--2093	5	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UCAG003A
LL--2094	5	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--2095	5	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--2096	5	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
LL--2097	5	LPM0141R	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
LL--2098	5	LPM0141R	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
LL--2099	5	LPM0141R	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
LL--2100	5	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
LL--2101	5	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
LL--2102	5	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UCAG003A
LL--2103	5	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
LL--2104	5	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
LL--2105	5	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R

LL--2106	5	LPM0141S	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
LL--2107	5	LPM0141S	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
LL--2108	5	LPM0141S	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
LL--2109	5	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--2110	5	LPM0504M	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
LL--2111	5	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCAG002A
LL--2112	5	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--2113	5	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--2114	5	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--2115	5	LPM0504M	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
LL--2116	5	LPM0504M	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
LL--2117	5	LPM0504M	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
LL--2118	5	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--2119	5	LPM0504R	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
LL--2120	5	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UCAG002A

LL--2121	5	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--2122	5	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--2123	5	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--2124	5	LPM0504R	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
LL--2125	5	LPM0504R	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
LL--2126	5	LPM0504R	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
LL--2127	5	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
LL--2128	5	LPM0504S	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
LL--2129	5	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UCAG002A
LL--2130	5	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
LL--2131	5	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
LL--2132	5	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
LL--2133	5	LPM0504S	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
LL--2134	5	LPM0504S	LXV0468X	NROSP51M	NR2D251M	UGE2G02S

LL--2135	5	LPM0504S	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
LL--2136	5	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--2137	5	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
LL--2138	5	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--2139	5	LPT0140M	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--2140	5	LPT0140M	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--2141	5	LPT0140M	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--2142	5	LPT0140M	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
LL--2143	5	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2144	5	LPT0140M	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2145	5	LPT0140M	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--2146	5	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2147	5	LPT0140M	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2148	5	LPT0140R	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
LL--2149	5	LPT0140R	LXV0469X	NROSP51M	NR2D351M	UGE2G03S

LL--2150	5	LPT0140R	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
LL--2151	5	LPT0140R	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
LL--2152	5	LPT0140R	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
LL--2153	5	LPT0140R	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
LL--2154	5	LPT0140R	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
LL--2155	5	LPT0140R	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2156	5	LPT0140R	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2157	5	LPT0140R	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
LL--2158	5	LPT0140R	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2159	5	LPT0140R	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2160	5	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UCB0613N
LL--2161	5	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03M
LL--2162	5	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03R
LL--2163	5	LPT0140S	LPT0140Y	L...9469X	NROSP51M	UCB0613N

LL--2164	5	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03M
LL--2165	5	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03R
LL--2166	5	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UCB0413N
LL--2167	5	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02M
LL--2168	5	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02R
LL--2169	5	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UCB0413N
LL--2170	5	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02M
LL--2171	5	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02R
LL--2172	5	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UCB0413N
LL--2173	5	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02M
LL--2174	5	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02R
LL--2175	5	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UCB0613N
LL--2176	5	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03M
LL--2177	5	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03R
LL--2178	5	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UCB0603N

LL--2179	5	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UCB0613N
LL--2180	5	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03M
LL--2181	5	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03R
LL--2182	5	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UCB0404N
LL--2183	5	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UCB0413N
LL--2184	5	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02M
LL--2185	5	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02R
LL--2186	5	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N
LL--2187	5	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03M
LL--2188	5	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R
LL--2189	5	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N
LL--2190	5	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0613N
LL--2191	5	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03M
LL--2192	5	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R

LL--2193	5	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M
LL--2194	5	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R
LL--2195	5	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M
LL--2196	5	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
LL--2197	5	LXV0122X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2198	5	LXV0122X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2199	5	LXV0122X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2200	5	LXV0122X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2201	5	LXV0468X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2202	5	LXV0468X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2203	5	LXV0468X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
LL--2204	5	LXV0468X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2205	5	LXV0471X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
LL--2206	5	LXV0471X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
LL--2207	5	LXV0471X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S

LL--2208	5	LXV0471X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
LL--2209	6	EFAS1CCF	KOPEFAS	L-11E-02	NROSP51M	NR2D351M
		UGE2G03S				
LL--2210	6	EFAS1CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2211	6	EFAS1CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2212	6	EFAS2CCF	KOPEFAS	L-11E-02	NROSP51M	NR2D251M
		UGE2G02S				
LL--2213	6	EFAS2CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2214	6	EFAS2CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2215	6	IBYB007H	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S				
LL--2216	6	IBYB008H	LPT0140S	LPT0140Y	NROSP51M	NR2D251M
		UGE2G02S				
LL--2217	6	IBZB008H	L-11E-02	LMV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2218	6	IBZB008H	L-11E-02	LSV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2219	6	ICBY110O	L-11E-02	LMV4713P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2220	6	ICBY110O	L-11E-02	LMV4713R	NROSP51M	NR2D351M
		UGE2G03S				
LL--2221	6	ICBY210O	L-11E-02	LMV4712P	NROSP51M	NR2D251M
		UGE2G02S				

LL--2222	6	ICBY2100	L-11E-02	LMV4712R	NROSP51M	NR2D251M
		UGE2G02S				
LL--2223	6	ICB1D103	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S				
LL--2224	6	ICB2P102	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S				
LL--2225	6	ICB2D105	L-11E-02	LMV4714P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2226	6	ICB2D105	L-11E-02	LSV4714P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2227	6	ICB2D203	LPT0140S	LPT0140Y	NROSP51M	NR2D251M
		UGE2G02S				
LL--2228	6	ICB2D205	L-11E-02	LMV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2229	6	ICB2D205	L-11E-02	LSV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2230	6	ICB2P101	LPT0140S	LPT0140Y	NROSP51M	NR2D251M
		UGE2G02S				
LL--2231	6	IIV0001X	L-11E-02	LMV4713M	NROSP51M	NR2D351M
		UGE2G03S				
LL--2232	6	IIV0001X	L-11E-02	LMV4713P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2233	6	IIV0001X	L-11E-02	LMV4713R	NROSP51M	NR2D351M
		UGE2G03S				
LL--2234	6	IIV0001X	L-11E-02	LXV0131X	NROSP51M	NR2D351M
		UGE2G03S				
LL--2235	6	IIV0001X	L-11E-02	LXV0133X	NROSP51M	NR2D351M
		UGE2G03S				
LL--2236	6	IIV0001X	L-11E-02	NROSP51M	NR2D351M	UCBBE06O

		UGE2G03S				
LL--2237	6	IIV0001X	LMV4713P	LMV4716P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2238	6	IIV0001X	LMV4713P	LPT0140M	NROSP51M	NR2D351M
		UGE2G03S				
LL--2239	6	IIV0001X	LMV4713P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2240	6	IIV0001X	LMV4713P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2241	6	IIV0001X	LMV4713R	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2242	6	IIV0001X	LMV4713R	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2243	6	IIV0002X	L-11E-02	LMV4712M	NROSP51M	NR2D251M
		UGE2G02S				
LL--2244	6	IIV0002X	L-11E-02	LMV4712P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2245	6	IIV0002X	L-11E-02	LMV4712R	NROSP51M	NR2D251M
		UGE2G02S				
LL--2246	6	IIV0002X	L-11E-02	LXV0128X	NROSP51M	NR2D251M
		UGE2G02S				
LL--2247	6	IIV0002X	L-11E-02	LXV0130X	NROSP51M	NR2D251M
		UGE2G02S				
LL--2248	6	IIV0002X	L-11E-02	NROSP51M	NR2D251M	UCBBZ040
		UGE2G02S				
LL--2249	6	IIV0002X	LMV4712P	LMV4716P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2250	6	IIV0002X	LMV4712P	LPT0140M	NROSP51M	NR2D251M
		UGE2G02S				

LL--2251	6	IIV0002X	LMV4712P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2252	6	IIV0002X	LMV4712P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2253	6	IIV0002X	LMV4712R	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2254	6	IIV0002X	LMV4712R	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2255	6	KEFAS1A	KOPEFAS	L-11E-02	NROSP51M	NR2D351M
		UGE2G03S				
LL--2256	6	KEFAS2B	KOPEFAS	L-11E-02	NROSP51M	NR2D251M
		UGE2G02S				
LL--2257	6	KLOPBUV	KLOV1	L-11E-02	NROSP51M	NR2D351M
		UGE2G03S				
LL--2258	6	KLOPBUV	KLOV1	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2259	6	KLOPBUV	KLOV1	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2260	6	KLOPBUV	KLOV2	L-11E-02	NROSP51M	NR2D251M
		UGE2G02S				
LL--2261	6	KLOPBUV	KLOV2	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2262	6	KLOPBUV	KLOV2	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2263	6	L-11E-02	LMV4712M	LMV4762P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2264	6	L-11E-02	LMV4712M	LOP4762X	NROSP51M	NR2D251M
		UGE2G02S				
LL--2265	6	L-11E-02	LMV4712P	LMV4762M	NROSP51M	NR2D251M

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                UGE2G02S
LL--2266    6   L-11E-02  LMV4712P  LMV4762P  NROSP51M  NR2D251M
                UGE2G02S
LL--2267    6   L-11E-02  LMV4712P  LOP4762X  NROSP51M  NR2D251M
                UGE2G02S
LL--2268    6   L-11E-02  LMV4712P  LXV0152X  NROSP51M  NR2D251M
                UGE2G02S
LL--2269    6   L-11E-02  LMV4712P  LXV0553X  NROSP51M  NR2D251M
                UGE2G02S
LL--2270    6   L-11E-02  LMV4712P  NROSP51M  NR2D251M  UCBBRB05
                UGE2G02S
LL--2271    6   L-11E-02  LMV4712R  LMV4762M  NROSP51M  NR2D251M
                UGE2G02S
LL--2272    6   L-11E-02  LMV4712R  LMV4762P  NROSP51M  NR2D251M
                UGE2G02S
LL--2273    6   L-11E-02  LMV4712R  LOP4762X  NROSP51M  NR2D251M
                UGE2G02S
LL--2274    6   L-11E-02  LMV4712R  LXV0152X  NROSP51M  NR2D251M
                UGE2G02S
LL--2275    6   L-11E-02  LMV4712R  LXV0553X  NROSP51M  NR2D251M
                UGE2G02S
LL--2276    6   L-11E-02  LMV4712R  NROSP51M  NR2D251M  UCBBRB05
                UGE2G02S
LL--2277    6   L-11E-02  LMV4713M  LMV4763P  NROSP51M  NR2D351M
                UGE2G03S
LL--2278    6   L-11E-02  LMV4713M  LOP4763X  NROSP51M  NR2D351M
                UGE2G03S
LL--2279    6   L-11E-02  LMV4713P  LMV4763M  NROSP51M  NR2D351M
                UGE2G03S
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LL--2280 6 L-11E-02 LMV4713P LMV4763P NROSP51M NR2D351M
UGE2G03S

LL--2281 6 L-11E-02 LMV4713P LOP4763X NROSP51M NR2D351M
UGE2G03S

LL--2282 6 L-11E-02 LMV4713P LXV0153X NROSP51M NR2D351M
UGE2G03S

LL--2283 6 L-11E-02 LMV4713P LXV0154X NROSP51M NR2D351M
UGE2G03S

LL--2284 6 L-11E-02 LMV4713P NROSP51M NR2D351M UCBBRA05
UGE2G03S

LL--2285 6 L-11E-02 LMV4713R LMV4763M NROSP51M NR2D351M
UGE2G03S

LL--2286 6 L-11E-02 LMV4713R LMV4763P NROSP51M NR2D351M
UGE2G03S

LL--2287 6 L-11E-02 LMV4713R LOP4763X NROSP51M NR2D351M
UGE2G03S

LL--2288 6 L-11E-02 LMV4713R LXV0153X NROSP51M NR2D351M
UGE2G03S

LL--2289 6 L-11E-02 LMV4713R LXV0154X NROSP51M NR2D351M
UGE2G03S

LL--2290 6 L-11E-02 LMV4713R NROSP51M NR2D351M UCBBRA05
UGE2G03S

LL--2291 6 L-11E-02 LMV4714M LMV4730M NROSP51M NR2D251M
UGE2G02S

LL--2292 6 L-11E-02 LMV4714P LMV4730M NROSP51M NR2D251M
UGE2G02S

LL--2293 6 L-11E-02 LMV4714P LMV4730P NROSP51M NR2D251M
UGE2G02S

LL--2294 6 L-11E-02 LMV4715M LMV4731P NROSP51M NR2D351M

UGE2G03S

LL--2295 6 L-11E-02 LMV4715M LSV4731P NROSP51M NR2D351M

UGE2G03S

LL--2296 6 L-11E-02 LMV4715P LMV4731M NROSP51M NR2D351M

UGE2G03S

LL--2297 6 L-11E-02 LMV4715P LMV4731P NROSP51M NR2D351M

UGE2G03S

LL--2298 6 L-11E-02 LMV4715P LSV4731P NROSP51M NR2D351M

UGE2G03S

LL--2299 6 L-11E-02 LMV4715P NROSP51M NR2D351M UCBBE360

UGE2G03S

LL--2300 6 L-11E-02 LMV4730M LSV4714P NROSP51M NR2D251M

UGE2G02S

LL--2301 6 L-11E-02 LMV4730P LSV4714P NROSP51M NR2D251M

UGE2G02S

LL--2302 6 L-11E-02 LMV4730P NROSP51M NR2D251M UC8BZ210

UGE2G02S

LL--2303 6 L-11E-02 LMV4762P LXV0128X NROSP51M NR2D251M

UGE2G02S

LL--2304 6 L-11E-02 LMV4762P LXV0130X NROSP51M NR2D251M

UGE2G02S

LL--2305 6 L-11E-02 LMV4762P NROSP51M NR2D251M UCBBZ040

UGE2G02S

LL--2306 6 L-11E-02 LMV4763P LXV0131X NROSP51M NR2D351M

UGE2G03S

LL--2307 6 L-11E-02 LMV4763P LXV0133X NROSP51M NR2D351M

UGE2G03S

LL--2308 6 L-11E-02 LMV4763P NROSP51M NR2D351M UCBBE060

UGE2G03S

LL--2309 6 L-11E-02 LOP4762X LXV0128X NROSP51M NR2D251M
UGE2G02S

LL--2310 6 L-11E-02 LOP4762X LXV0130X NROSP51M NR2D251M
UGE2G02S

LL--2311 6 L-11E-02 LOP4762X NROSP51M NR2D251M UCBBZ04O
UGE2G02S

LL--2312 6 L-11E-02 LOP4763X LXV0131X NROSP51M NR2D351M
UGE2G03S

LL--2313 6 L-11E-02 LOP4763X LXV0133X NROSP51M NR2D351M
UGE2G03S

LL--2314 6 L-11E-02 LOP4763X NROSP51M NR2D351M UCBBE06O
UGE2G03S

LL--2315 6 LCV0121F LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S

LL--2316 6 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S

LL--2317 6 LCV0126P LPT0140S LPT 0Y NROSP51M NR2D351M
UGE2G03S

LL--2318 6 LCV0448P LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S

LL--2319 6 LCV0532P LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S

LL--2320 6 LCV0547F LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S

LL--2321 6 LMV4705P LMV4706P LPM0141M NROSP51M NR2D351M
UGE2G03S

LL--2322 6 LMV4705P LMV4706P LPM0141S NROSP51M NR2D351M
UGE2G03S

LL--2323 6 LMV4705P LMV4706P LPM0504M NROSP51M NR2D251M

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                    UGE2G02S
LL--2324      6     LMV4705P  LMV4706P  LPM0504S  NROSP51M  NR2D251M
                    UGE2G02S
LL--2325      6     LMV4705P  LMV4706P  NROSP51M  NR2D251M  UCB0603N
                    UGE2G02S
LL--2326      6     LMV4705P  LMV4706P  NROSP51M  NR2D251M  UCB0613N
                    UGE2G02S
LL--2327      6     LMV4705P  LMV4706P  NROSP51M  NR2D351M  UCB0404N
                    UGE2G03S
LL--2328      6     LMV4705P  LMV4706P  NROSP51M  NR2D351M  UCB0413N
                    UGE2G03S
LL--2329      6     LMV4705P  LMV4715P  LMV4731P  NROSP51M  NR2D351M
                    UGE2G03S
LL--2330      6     LMV4705P  LMV4715P  LPM0504M  NROSP51M  NR2D251M
                    UGE2G02S
LL--2331      6     LMV4705P  LMV4715P  LPM0504S  NROSP51M  NR2D251M
                    UGE2G02S
LL--2332      6     LMV4705P  LMV4715P  NROSP51M  NR2D251M  UCB0603N
                    UGE2G02S
LL--2333      6     LMV4705P  LMV4715P  NROSP51M  NR2D251M  UCB0613N
                    UGE2G02S
LL--2334      6     LMV4705P  LMV4715P  NROSP51M  NR2D351M  UCB0413N
                    UGE2G03S
LL--2335      6     LMV4706P  LMV4714P  LMV4730P  NROSP51M  NR2D251M
                    UGE2G02S
LL--2336      6     LMV4706P  LMV4730P  LPM0141M  NROSP51M  NR2D351M
                    UGE2G03S
LL--2337      6     LMV4706P  LMV4730P  LPM0141S  NROSP51M  NR2D351M
                    UGE2G03S
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LL--2338	6	LMV4706P	LMV4730P	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S				
LL--2339	6	LMV4706P	LMV4730P	NROSP51M	NR2D351M	UCB0404N
		UGE2G03S				
LL--2340	6	LMV4706P	LMV4730P	NROSP51M	NR2D351M	UCB0413N
		UGE2G03S				
LL--2341	6	LMV4712P	LMV4716P	LMV4762P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2342	6	LMV4712P	LMV4716P	LOP4762X	NROSP51M	NR2D251M
		UGE2G02S				
LL--2343	6	LMV4712P	LMV4762P	LPT0140M	NROSP51M	NR2D251M
		UGE2G02S				
LL--2344	6	LMV4712P	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2345	6	LMV4712P	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2346	6	LMV4712P	LOP4762X	LPT0140M	NROSP51M	NR2D251M
		UGE2G02S				
LL--2347	6	LMV4712P	LOP4762X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2348	6	LMV4712P	LOP4762X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2349	6	LMV4712R	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2350	6	LMV4712R	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2351	6	LMV4712R	LOP4762X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2352	6	LMV4712R	LOP4762X	LPT0140S	LPT0140Y	NROSP51M

		UGE2G02R				
LL--2353	6	LMV4713P	LMV4716P	LMV4763P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2354	6	LMV4713P	LMV4716P	LOP4763X	NROSP51M	NR2D351M
		UGE2G03S				
LL--2355	6	LMV4713P	LMV4763P	LPT0140M	NROSP51M	NR2D351M
		UGE2G03S				
LL--2356	6	LMV4713P	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2357	6	LMV4713P	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2358	6	LMV4713P	LOP4763X	LPT0140M	NROSP51M	NR2D351M
		UGE2G03S				
LL--2359	6	LMV4713P	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2360	6	LMV4713P	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2361	6	LMV4713R	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2362	6	LMV4713R	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2363	6	LMV4713R	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2364	6	LMV4713R	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2365	6	LMV4714P	LMV4715P	LMV4730P	NROSP51M	NR2D251M
		UGE2G02S				
LL--2366	6	LMV4714P	LMV4716P	LMV4730P	NROSP51M	NR2D251M
		UGE2G02S				

LL--2367	6	LMV4714P	LMV4730P	LPT0140M	NROSP51M	NR2D251M
		UGE2G02S				
LL--2368	6	LMV4714P	LMV4730P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M				
LL--2369	6	LMV4714P	LMV4730P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R				
LL--2370	6	LMV4715P	LMV4716P	LMV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2371	6	LMV4715P	LMV4730P	LMV4731P	NROSP51M	NR2D351M
		UGE2G03S				
LL--2372	6	LMV4715P	LMV4730P	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S				
LL--2373	6	LMV4715P	LMV4730P	NROSP51M	NR2D351M	UCB0413N
		UGE2G03S				
LL--2374	6	LMV4715P	LMV4731P	LPT0140M	NROSP51M	NR2D351M
		UGE2G03S				
LL--2375	6	LMV4715P	LMV4731P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03M				
LL--2376	6	LMV4715P	LMV4731P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R				
LL--2377	6	LMV4715P	LPT0140S	LPT0140Y	LSV4731P	NROSP51M
		UGE2G03M				
LL--2378	6	LMV4715P	LPT0140S	LPT0140Y	LSV4731P	NROSP51M
		UGE2G03R				
LL--2379	6	LMV4730P	LPT0140S	LPT0140Y	LSV4714P	NROSP51M
		UGE2G02M				
LL--2380	6	LMV4730P	LPT0140S	LPT0140Y	LSV4714P	NROSP51M
		UGE2G02R				
LL--2381	6	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M

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                    UGE2G03S
LL--2382      6     LPM0141R  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
                    UGE2G03S
LL--2383      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
                    UGE2G03S
LL--2384      6     LPM0504M  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                    UGE2G02S
LL--2385      6     LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                    UGE2G02S
LL--2386      6     LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                    UGE2G02S
LL--2387      6     LPT0140S  LPT0140Y  LXV0127X  NROSP51M  NR2D351M
                    UGE2G03S
LL--2388      6     LPT0140S  LPT0140Y  LXV0469X  NROSP51M  NR2D351M
                    UGE2G03S
LL--2389      6     LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                    UGE2G02S
LL--2390      6     LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
                    UGE2G02S
LL--2391      6     LPT0140S  LPT0140Y  LXV0542X  NROSP51M  NR2D251M
                    UGE2G02S
LL--2392      6     LPT0140S  LPT0140Y  LXV471AX  NROSP51M  NR2D351M
                    UGE2G03S
LL--2393      6     LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCAG003A
                    UGE2G02S
LL--2394      6     LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                    UGE2G02S
LL--2395      6     LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0613N
                    UGE2G02S
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LL--2396	6	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCAG002A
		UGE2G03S				
LL--2397	6	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N
		UGE2G03S				
LL--2398	6	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0413N
		UGE2G03S				
LL--2399	7	EFAS1CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		NR2D351M	UGE2G03S			
LL--2400	7	EFAS2CCF	KOPEFAS	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2401	7	IIV0001X	LMV4713P	LPT0140S	LPT0140Y	NROSP51M
		NR2D351M	UGE2G03S			
LL--2402	7	IIV0001X	LMV4713R	LPT0140S	LPT0140Y	NROSP51M
		NR2D351M	UGE2G03S			
LL--2403	7	IIV0002X	LMV4712P	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2404	7	IIV0002X	LMV4712R	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2405	7	KLOPBUV	KLOV1	LPT0140S	LPT0140Y	NROSP51M
		NR2D351M	UGE2G03S			
LL--2406	7	KLOPBUV	KLOV2	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2407	7	LMV4712P	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2408	7	LMV4712P	LOP4762X	LPT0140S	LPT9140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2409	7	LMV4712R	LMV4762P	LPT0140S	LPT0140Y	NROSP51M
		NR2D251M	UGE2G02S			
LL--2410	7	LMV4712R	LOP4762X	LPT0140S	LPT0140Y	NROSP51M

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                    NRZD251M  UGE2G02S
LL--2411      7     LMV4713P  LMV4763P  LPT0140S  LPT0140Y  NROSP51M
                    NRZD351M  UGE2G03S
LL--2412      7     LMV4713P  LOP4763X  LPT0140S  LPT0140Y  NROSP51M
                    NRZD351M  UGE2G03S
LL--2413      7     LMV4713R  LMV4763P  LPT0140S  LPT0140Y  NROSP51M
                    NRZD351M  UGE2G03S
LL--2414      7     LMV4713R  LOP4763X  LPT0140S  LPT0140Y  NROSP51M
                    NRZD351M  UGE2G03S
LL--2415      7     LMV4714P  LMV4730P  LPT0140S  LPT0140Y  NROSP51M
                    NRZD251M  UGE2G02S
LL--2416      7     LMV4715P  LMV4731P  LPT0140S  LPT0140Y  NROSP51M
                    NRZD351M  UGE2G03S
LL--2417      7     LMV4715P  LPT0140S  LPT0140Y  LSV4731P  NROSP51M
                    NRZD351M  UGE2G03S
LL--2418      7     LMV4730P  LPT0140S  LPT0140Y  LSV4714P  NROSP51M
                    NRZD251M  UGE2G02S
AFHLOOP   +         LL-----1  LL-----2  LL-----3  LL-----4  LL-----5
                    LL-----6  LL-----7  LL-----8  LL-----9  LL----10
                    LL----11  LL----12  LL----13  LL----14  LL----15
                    LL----16  LL----17  LL----18  LL----19  LL----20
                    LL----21  LL----22  LL----23  LL----24  LL----25
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GATE NODES

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LL--1619	LL--1620	LL--1621	LL--1622	LL--1623	LL--1624	LL--1625	LL--1626	LL--1627	LL--1628
LL--1629	LL--1630	LL--1631	LL--1632	LL--1633	LL--1634	LL--1635	LL--1636	LL--1637	LL--1638
LL--1639	LL--1640	LL--1641	LL--1642	LL--1643	LL--1644	LL--1645	LL--1646	LL--1647	LL--1648
LL--1649	LL--1650	LL--1651	LL--1652	LL--1653	LL--1654	LL--1655	LL--1656	LL--1657	LL--1658
LL--1659	LL--1660	LL--1661	LL--1662	LL--1663	LL--1664	LL--1665	LL--1666	LL--1667	LL--1668
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LL--1679	LL--1680	LL--1681	LL--1682	LL--1683	LL--1684	LL--1685	LL--1686	LL--1687	LL--1688
LL--1689	LL--1690	LL--1691	LL--1692	LL--1693	LL--1694	LL--1695	LL--1696	LL--1697	LL--1698
LL--1699	LL--1700	LL--1701	LL--1702	LL--1703	LL--1704	LL--1705	LL--1706	LL--1707	LL--1708
LL--1709	LL--1710	LL--1711	LL--1712	LL--1713	LL--1714	LL--1715	LL--1716	LL--1717	LL--1718
LL--1719	LL--1720	LL--1721	LL--1722	LL--1723	LL--1724	LL--1725	LL--1726	LL--1727	LL--1728
LL--1729	LL--1730	LL--1731	LL--1732	LL--1733	LL--1734	LL--1735	LL--1736	LL--1737	LL--1738
LL--1739	LL--1740	LL--1741	LL--1742	LL--1743	LL--1744	LL--1745	LL--1746	LL--1747	LL--1748

LL--1749 LL--1750 LL--1751 LL--1752 LL--1753 LL--1754 LL--1755 LL--1756 LL--1757 LL--1758

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LL--1899 LL--1900 LL--1901 LL--1902 LL--1903 LL--1904 LL--1905 LL--1906 LL--1907 LL--1908

LL--1909 LL--1910 LL--1911 LL--1912 LL--1913 LL--1914 LL--1915 LL--1916 LL--1917 LL--1918

LL--1919 LL--1920 LL--1921 LL--1922 LL--1923 LL--1924 LL--1925 LL--1926 LL--1927 LL--1928

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LL--1939 LL--1940 LL--1941 LL--1942 LL--1943 LL--1944 LL--1945 LL--1946 LL--1947 LL--1948

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LL--1989 LL--1990 LL--1991 LL--1992 LL--1993 LL--1994 LL--1995 LL--1996 LL--1997 LL--1998

LL--1999 LL--2000 LL--2001 LL--2002 LL--2003 LL--2004 LL--2005 LL--2006 LL--2007 LL--2008

LL--2009 LL--2010 LL--2011 LL--2012 LL--2013 LL--2014 LL--2015 LL--2016 LL--2017 LL--2018

LL--2019 LL--2020 LL--2021 LL--2022 LL--2023 LL--2024 LL--2025 LL--2026 LL--2027 LL--2028

LL--2029 LL--2030 LL--2031 LL--2032 LL--2033 LL--2034 LL--2035 LL--2036 LL--2037 LL--2038

LL--2039 LL--2040 LL--2041 LL--2042 LL--2043 LL--2044 LL--2045 LL--2046 LL--2047 LL--2048

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LL--2059 LL--2060 LL--2061 LL--2062 LL--2063 LL--2064 LL--2065 LL--2066 LL--2067 LL--2068

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LL--2099 LL--2100 LL--2101 LL--2102 LL--2103 LL--2104 LL--2105 LL--2106 LL--2107 LL--2108

LL--2109 LL--2110 LL--2111 LL--2112 LL--2113 LL--2114 LL--2115 LL--2116 LL--2117 LL--2118

LL--2119 LL--2120 LL--2121 LL--2122 LL--2123 LL--2124 LL--2125 LL--2126 LL--2127 LL--2128

LL--2129 LL--2130 LL--2131 LL--2132 LL--2133 LL--2134 LL--2135 LL--2136 LL--2137 LL--2138

LL--2139 LL--2140 LL--2141 LL--2142 LL--2143 LL--2144 LL--2145 LL--2146 LL--2147 LL--2148

LL--2149 LL--2150 LL--2151 LL--2152 LL--2153 LL--2154 LL--2155 LL--2156 LL--2157 LL--2158

LL--2159 LL--2160 LL--2161 LL--2162 LL--2163 LL--2164 LL--2165 LL--2166 LL--2167 LL--2168

LL--2169 LL--2170 LL--2171 LL--2172 LL--2173 LL--2174 LL--2175 LL--2176 LL--2177 LL--2178

LL--2179 LL--2180 LL--2181 LL--2182 LL--2183 LL--2184 LL--2185 LL--2186 LL--2187 LL--2188

LL--2189 LL--2190 LL--2191 LL--2192 LL--2193 LL--2194 LL--2195 LL--2196 LL--2197 LL--2198

LL--2199 LL--2200 LL--2201 LL--2202 LL--2203 LL--2204 LL--2205 LL--2206 LL--2207 LL--2208

LL--2209 LL--2210 LL--2211 LL--2212 LL--2213 LL--2214 LL--2215 LL--2216 LL--2217 LL--2218

LL--2219 LL--2220 LL--2221 LL--2222 LL--2223 LL--2224 LL--2225 LL--2226 LL--2227 LL--2228

LL--2229 LL--2230 LL--2231 LL--2232 LL--2233 LL--2234 LL--2235 LL--2236 LL--2237 LL--2238

LL--2239 LL--2240 LL--2241 LL--2242 LL--2243 LL--2244 LL--2245 LL--2246 LL--2247 LL--2248

LL--2249 LL--2250 LL--2251 LL--2252 LL--2253 LL--2254 LL--2255 LL--2256 LL--2257 LL--2258

LL--2259 LL--2260 LL--2261 LL--2262 LL--2263 LL--2264 LL--2265 LL--2266 LL--2267 LL--2268

LL--2269 LL--2270 LL--2271 LL--2272 LL--2273 LL--2274 LL--2275 LL--2276 LL--2277 LL--2278

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LL--2289 LL--2290 LL--2291 LL--2292 LL--2293 LL--2294 LL--2295 LL--2296 LL--2297 LL--2298

LL--2299 LL--2300 LL--2301 LL--2302 LL--2303 LL--2304 LL--2305 LL--2306 LL--2307 LL--2308

LL--2309 LL--2310 LL--2311 LL--2312 LL--2313 LL--2314 LL--2315 LL--2316 LL--2317 LL--2318

LL--2319 LL--2320 LL--2321 LL--2322 LL--2323 LL--2324 LL--2325 LL--2326 LL--2327 LL--2328

LL--2329 LL--2330 LL--2331 LL--2332 LL--2333 LL--2334 LL--2335 LL--2336 LL--2337 LL--2338

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LL--2389 LL--2390 LL--2391 LL--2392 LL--2393 LL--2394 LL--2395 LL--2396 LL--2397 LL--2398

LL--2399 LL--2400 LL--2401 LL--2402 LL--2403 LL--2404 LL--2405 LL--2406 LL--2407 LL--2408

LL--2409 LL--2410 LL--2411 LL--2412 LL--2413 LL--2414 LL--2415 LL--2416 LL--2417 LL--2418

LOOP-CM U-01-01 U-01-02 U-01-03 U-01-04 U-01-05 U-01-06 U-01-07 U-01-08 U-02-01

U-02-02 U-02-03 U-02-04 U-02-05 U-02-06 U-02-07 U-02-08 U-03-01 U-04-01 U-04-02

U-05-01 U-05-02 U-06-01 U-06A-01 U-06B-01 UA-01-01 UA-01-02 UA-01-03 UA-01-04 UA-01-05

UA-01-08 UA-01-09 UB-01-01 UB-01-02 UB-01-03 UB-01-04 UB-01-05 UB-01-08 UB-01-09 UC-01-01

UC-01-02 UC-01-03 UC-01-04 UC-01-05 UC-01-08 UC-01-09 UD-01-01 UD-01-02 UD-01-03 UD-01-04

UD-01-05 UD-01-08 UD-01-09 UE-01-01 UE-01-02 UE-01-03 UE-01-04 UE-01-05 UE-01-08 UE-01-09

UF-01-01 UF-01-02 UF-01-03 UF-01-04 UF-01-05 UF-01-08 UF-01-09 ZC-01-02 ZC-01-03 ZC-01-05

ZC-01-06 ZC-01-07 ZC-01-08 ZC-01-09 ZC-01-10 ZC-02-01 ZC-02-02 ZC-02-03

BASIC NODES

CRV0003O EFAS1CCF EFAS2CCF IBCB001H IBCB002H IBCB003H IBCB004H IBEB009H IBJB010H IBSD1P1H

IBSD2P1H IBSD2P2H IBSD3P1H IBSD4P1H IBYB007H IBYB008H IBZB008H ICA488EH ICA48BJH ICA48BYH

ICA488ZH ICBY110O ICBY210O ICB1D103 ICB1P101 ICB2D105 ICB2D203 ICB2D205 ICB2P101 ICB3P106

IIV0001X IIV0002X JIVTHIGH JIVTLOW KEFAS1A KEFAS1B KEFAS2A KEFAS2B KLOPBUV KLOV1

KLOV2 KLOV3 KLOV4 KOPEFAS LAV8200Q LAV8201Q LCV0003P LCV0005P LCV0121F LCV0121P

LCV0124P LCV0126F LCV0126P LCV0448P LCV0532F LCV0532P LCV0547F LCV0547P LFLOWDIV LMV4705M

LMV4705P LMV4705R LMV4706M LMV4706P LMV4706R LMV4712M LMV4712P LMV4712R LMV4713M LMV4713P

LMV4713R LMV4714M LMV4714P LMV4715M LMV4715P LMV4716M LMV4716P LMV4730M LMV4730P LMV4731M

LMV4731P LMV4762M LMV4762P LMV4763M LMV4763P LOOP LOOPC LOPCROSV LOPMDISC LOPORFIL

LOP4762X LOP4763X LPM0141M LPM0141R LPM0141S LPM0504M LPM0504R LPM0504S LPT0140M LPT0140R

LPT0140S LPT0140Y LPY0140R LSV4714P LSV4731P LTKCONDH LXV0122X LXV0123X LXV0125X LXV0127X

LXV0128X LXV0130X LXV0131X LXV0133X LXV0134X LXV0136X LXV0152X LXV0153X LXV0154X LXV0468X

LXV0469X LXV0471X LXV0533X LXV0538X LXV0542X LXV0553X LXV471AX NROSP2.0 NROSP3.0 NROSP4.0

NROSP51M NROSP7.5 NROSP90M NR2D22.0 NR2D23.0 NR2D24.0 NR2D251M NR2D27.5 NR2D290M NR2D32.0

NR2D33.0 NR2D34.0 NR2D351M NR2D37.5 NR2D390M RCPFAIL SEALFAIL SEALWISO UBS2ABEH UBS2ABJH

UBS2ABRA UBS2ABRB UBS2ABYH UBS2ABZH UBS2A04H UBS2A06H UBS2B04H UBS2B06H UCAG002A UCAG003A

UCB8E060 UCB8E360 UCBBRA05 UCBBRB05 UCBBZ040 UCBBZ210 UCB0404N UCB0413N UCB0603N UCB0613N

UGE2G02M UGE2G02R UGE2G02S UGE2G03M UGE2G03R UGE2G03S UOPLSHED U2G022.0 U2G023.0 U2G024.0

U2G0251M U2G027.5 U2G0290M U2G032.0 U2G033.0 U2G034.0 U2G0351M U2G037.5 U2G0390M ZCSEALOP

RUN 1

PRGGRAM INSTRUCTIONS

PROCESS LOOP-CM

TRUE LOOPC

PUNCH

IMPORT

0.11E-02 CRV0003O

0.89E-03 EFAS1CCF

0.89E-03 EFAS2CCF

0.24E-04 IBCB001H

0.24E-04 IBCB002H

0.24E-04 IBCB003H

0.24E-04 IBCB004H

0.24E-04 IBEB009H

0.24E-04 I8JB010H

0.24E-06 IBSD1P1H

0.24E-06 IBSD2P1H

0.24E-06 IBSD2P2H

0.24E-06	IBSD3P1H
0.24E-06	IBSD4P1H
0.24E-04	IBYB007H
0.24E-04	IBYB008H
0.24E-04	IBZB008H
0.72E-05	ICA48BEH
0.72E-05	ICA48BJH
0.72E-05	ICA48BYH
0.72E-05	ICA48BZH
0.30E-04	ICB1D103
0.30E-04	ICB1P101
0.30E-04	ICB2D105
0.30E-04	ICB2D203
0.30E-04	ICB2D205
0.30E-04	ICB2P101
0.30E-04	ICB3P106
0.30E-04	ICBY110O
0.30E-04	ICBY210O
0.24E-02	IIV0001X
0.24E-02	IIV0002X
0.17E+00	JIVTHIGH
0.83E+00	JIVTLOW
0.52E-04	KEFAS1A
0.52E-04	KEFAS1B
0.52E-04	KEFAS2A
0.52E-04	KEFAS2B
0.10E-02	KLOPBUV
0.20E-02	KLOV1
0.20E-02	KLOV2

0.20E-02 KLOV3

0.20E-02 KLOV4

0.30E-02 KOPEFAS

0.13E-03 LAV8200Q

0.13E-03 LAV8201Q

0.10E-03 LCV0003P

0.10E-03 LCV0005P

0.12E-04 LCV0121F

0.10E-03 LCV0121P

0.10E-03 LCV0124P

0.12E-04 LCV0126F

0.10E-03 LCV0126P

0.10E-03 LCV0448P

0.12E-04 LCV0532F

0.10E-03 LCV0532P

0.12E-04 LCV0547F

0.10E-03 LCV0547P

0.40E-07 LFLOWDIV

0.25E-04 LMV4705M

0.30E-02 LMV4705P

0.10E-02 LMV4705R

0.25E-04 LMV4706M

0.30E-02 LMV4706P

0.10E-02 LMV4706R

0.25E-04 LMV4712M

0.30E-02 LMV4712P

0.10E-02 LMV4712R

0.25E-04 LMV4713M

0.30E-02 LMV4713P

0.10E-02	LMV4713R
0.25E-04	LMV4714M
0.30E-02	LMV4714P
0.25E-04	LMV4715M
0.30E-02	LMV4715P
0.25E-04	LMV4716M
0.30E-02	LMV4716P
0.25E-04	LMV4730M
0.30E-02	LMV4730P
0.25E-04	LMV4731M
0.30E-02	LMV4731P
0.25E-04	LMV4762M
0.30E-02	LMV4762P
0.25E-04	LMV4763M
0.30E-02	LMV4763P
0.45E-01	LOOP
0.10E-02	LOOPC
0.30E-02	LOP4762X
0.30E-02	LOP4763X
0.25E+00	LOPCROSV
0.10E+00	LOPMDISC
0.10E-02	LOPORFIL
0.37E-02	LPM0141M
0.72E-03	LPM0141R
0.30E-02	LPM0141S
0.37E-02	LPM0504M
0.72E-03	LPM0504R
0.30E-02	LPM0504S
0.37E-02	LPT0140M

0.24E-03 LPT0140R

0.30E-01 LPT0140S

0.24E+00 LPT0140Y

0.24E-03 LPY0140R

0.10E-02 LSV4714P

0.10E-02 LSV4731P

0.20E-07 LTKCONDH

0.10E-03 LXV0122X

0.10E-03 LXV0123X

0.10E-03 LXV0125X

0.10E-03 LXV0127X

0.10E-03 LXV0128X

0.10E-03 LXV0130X

0.10E-03 LXV0131X

0.10E-03 LXV0133X

0.10E-03 LXV0134X

0.10E-03 LXV0136X

0.10E-03 LXV0152X

0.10E-03 LXV0153X

0.10E-03 LXV0154X

0.10E-03 LXV0468X

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0.10E-03 LXV0471X

0.10E-03 LXV0533X

0.10E-03 LXV0538X

0.10E-03 LXV0542X

0.10E-03 LXV0553X

0.10E-03 LXV471AX

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0.10E+01 NR2D23.0

0.10E+01 NR2D24.0

0.94E+00 NR2D251M

0.10E+01 NR2D27.5

0.89E+00 NR2D290M

0.10E+01 NR2D32.0

0.10E+01 NR2D33.0

0.10E+01 NR2D34.0

0.94E+00 NR2D351M

0.10E+01 NR2D37.5

0.89E+00 NR2D390M

0.14E+00 NROSP2.0

0.90E-01 NROSP3.0

0.70E-01 NROSP4.0

0.33E+00 NROSP51M

0.20E-01 NROSP7.5

0.20E+00 NROSP90M

0.10E+00 RCPFAIL

0.10E-02 SEALFAIL

0.10E-02 SEALWISO

0.46E-02 U2G022.0

0.69E-02 U2G023.0

0.92E-02 U2G024.0

0.19E-02 U2G0251M

0.17E-01 U2G027.5

0.35E-02 U2G0290M

0.46E-02 U2G032.0

0.69E-02 U2G033.0

0.92E-02 U2G034.0

0.19E-02 U2G0351M

0.17E-01 U2G037.5

0.35E-02 U2G0390M

0.24E-06 UBS2A04H

0.24E-06 UBS2A06H

0.24E-06 UBS2ABEH

0.24E-06 UBS2ABJH

0.24E-06 UBS2ABRA

0.24E-06 UBS2ABRB

0.24E-06 UBS2ABYH

0.24E-06 UBS2ABZH

0.24E-06 UBS2B04H

0.24E-06 UBS2B06H

0.79E-04 UCAG002A

0.79E-04 UCAG003A

0.30E-02 UCB0404N

0.30E-02 UCB0413N

0.30E-02 UCB0603N

0.30E-02 UCB0613N

0.30E-04 UCBBE06O

0.30E-04 UCBBE36O

0.30E-04 UCBBRA05

0.30E-04 UCBBRB05

0.30E-04 UCBBZ04O

0.30E-04 UCBBZ21O

0.24E-01 UGE2G02M

0.55E-01 UGE2G02R

0.25E-01 UGE2G02S

0.24E-01 UGE2G03M

```
              0.55E-01  UGE2G03R
              0.25E-01  UGE2G03S
              0.30E-02  UOPLSHED
              0.10E-01  ZCSEALOP
      LIMIT   0.10E-09
      *XEQ
BASIC EVENT IMPORTANCE MEASURES

     CRV0003O 0.1100000E-02    EFAS1CCF 0.8900000E-03    EFAS2CCF 0.8900000E-03    IBCB001H 0.2399999E-04
     IBCB002H 0.2399999E-04    IBCB003H 0.2399999E-04    IBCB004H 0.2399999E-04    IBEB009H 0.2399999E-04
     IBJB010H 0.2399999E-04    IBSD1P1H 0.2400000E-06    IBSD2P1H 0.2400000E-06    IBSD2P2H 0.2400000E-06
     IBSD3P1H 0.2400000E-06    IBSD4P1H 0.2400000E-06    IBYB007H 0.2399999E-04    IBYB008H 0.2399999E-04
     IBZB008H 0.2399999E-04    ICA488EH 0.7200000E-05    ICA488JH 0.7200000E-05    ICA48BYH 0.7200000E-05
     ICA488ZH 0.7200000E-05    ICBY110O 0.3000000E-04    ICBY210O 0.3000000E-04    ICB1D103 0.3000000E-04
     ICB1P101 0.3000000E-04    ICB2D105 0.3000000E-04    ICB2D203 0.3000000E-04    ICB2D205 0.3000000E-04
     ICB2P101 0.3000000E-04    ICB3P106 0.3000000E-04    IIV0001X 0.2400000E-02    IIV0002X 0.2400000E-02
     JIVTHIGH 0.1700000E+00    JIVTLOW  0.8300000E+00    KEFAS1A  0.5200000E-04    KEFAS1B  0.5200000E-04
     KEFAS2A  0.5200000E-04    KEFAS2B  0.5200000E-04    KLOPBUV  0.9999999E-03    KLOV1    0.2000000E-02
     KLOV2    0.2000000E-02    KLOV3    0.2000000E-02    KLOV4    0.2000000E-02    KOPEFAS  0.3000000E-02
     LAV8200Q 0.1300000E-03    LAV8201Q 0.1300000E-03    LCV0003P 0.1000000E-03    LCV0005P 0.1000000E-03
     LCV0121F 0.1200000E-04    LCV0121P 0.1000000E-03    LCV0124P 0.1000000E-03    LCV0126F 0.1200000E-04
     LCV0126P 0.1000000E-03    LCV0448P 0.1000000E-03    LCV0532F 0.1200000E-04    LCV0532P 0.1000000E-03
     LCV0547F 0.1200000E-04    LCV0547P 0.1000000E-03    LFLOWDIV 0.4000000E-07    LMV4705M 0.2500000E-04
     LMV4705P 0.3000000E-02    LMV4705R 0.9999999E-03    LMV4706M 0.2500000E-04    LMV4706P 0.3000000E-02
     LMV4706R 0.9999999E-03    LMV4712M 0.2500000E-04    LMV4712P 0.3000000E-02    LMV4712R 0.9999999E-03
     LMV4713M 0.2500000E-04    LMV4713P 0.3000000E-02    LMV4713R 0.9999999E-03    LMV4714M 0.2500000E-04
     LMV4714P 0.3000000E-02    LMV4715M 0.2500000E-04    LMV4715P 0.3000000E-02    LMV4716M 0.2500000E-04
     LMV4716P 0.3000000E-02    LMV4730M 0.2500000E-04    LMV4730P 0.3000000E-02    LMV4731M 0.2500000E-04
     LMV4731P 0.3000000E-02    LMV4762M 0.2500000E-04    LMV4762P 0.3000000E-02    LMV4763M 0.2500000E-04
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LMV4763P 0.3000000E-02	LOOP 0.4500000E-01	LOOPC 0.9999999E-03	LOPCROSV 0.2500000E+00
LOPMDISC 0.1000000E+00	LOPORFIL 0.9999999E-03	LOP4762X 0.3000000E-02	LOP4763X 0.3000000E-02
LPM0141M 0.3700000E-02	LPM0141R 0.7199999E-03	LPM0141S 0.3000000E-02	LPM0504M 0.3700000E-02
LPM0504R 0.7199999E-03	LPM0504S 0.3000000E-02	LPT0140M 0.3700000E-02	LPT0140R 0.2400000E-03
LPT0140S 0.3000000E-01	LPT0140Y 0.2400000E+00	LPY0140R 0.2400000E-03	LSV4714P 0.9999999E-03
LSV4731P 0.9999999E-03	LTKCONDH 0.2000000E-07	LXV0122X 0.1000000E-03	LXV0123X 0.1000000E-03
LXV0125X 0.1000000E-03	LXV0127X 0.1000000E-03	LXV0128X 0.1000000E-03	LXV0130X 0.1000000E-03
LXV0131X 0.1000000E-03	LXV0133X 0.1000000E-03	LXV0134X 0.1000000E-03	LXV0136X 0.1000000E-03
LXV0152X 0.1000000E-03	LXV0153X 0.1000000E-03	LXV0154X 0.1000000E-03	LXV0468X 0.1000000E-03
LXV0469X 0.1000000E-03	LXV0471X 0.1000000E-03	LXV0533X 0.1000000E-03	LXV0538X 0.1000000E-03
LXV0542X 0.1000000E-03	LXV0553X 0.1000000E-03	LXV471AX 0.1000000E-03	NROSP2.0 0.1400000E+00
NROSP3.0 0.8999997E-01	NROSP4.0 0.6999999E-01	NROSP51M 0.3300000E+00	NROSP7.5 0.2000000E-01
NROSP90M 0.2000000E+00	NR2D22.0 0.1000000E+01	NR2D23.0 0.1000000E+01	NR2D24.0 0.1000000E+01
NR2D251M 0.9400000E+00	NR2D27.5 0.1000000E+01	NR2D290M 0.8900000E+00	NR2D32.0 0.1000000E+01
NR2D33.0 0.1000000E+01	NR2D34.0 0.1000000E+01	NR2D351M 0.9400000E+00	NR2D37.5 0.1000000E+01
NR2D390M 0.8900000E+00	RCPFAIL 0.1000000E+00	SEALFAIL 0.9999999E-03	SEALMISO 0.9999999E-03
UBS2ABEH 0.2400000E-06	UBS2ABJH 0.2400000E-06	UBS2ABRA 0.2400000E-06	UBS2ABRB 0.2400000E-06
UBS2ABYH 0.2400000E-06	UBS2ABZH 0.2400000E-06	UBS2A04H 0.2400000E-06	UBS2A06H 0.2400000E-06
UBS2B04H 0.2400000E-06	UBS2B06H 0.2400000E-06	UCAG002A 0.7900000E-04	UCAG003A 0.7900000E-04
UCBBE06O 0.3000000E-04	UCBBE36O 0.3000000E-04	UCBBRA05 0.3000000E-04	UCBBRB05 0.3000000E-04
UCBBZ04O 0.3000000E-04	UCBBZ21O 0.3000000E-04	UCB0404N 0.3000000E-02	UCB0413N 0.3000000E-02
UCB0603N 0.3000000E-02	UCB0613N 0.3000000E-02	UGE2G02M 0.2400000E-01	UGE2G02R 0.5500000E-01
UGE2G02S 0.2500000E-01	UGE2G03M 0.2400000E-01	UGE2G03R 0.5500000E-01	UGE2G03S 0.2500000E-01
UOPLSHED 0.3000000E-02	U2G022.0 0.4600000E-02	U2G023.6 0.6900001E-02	U2G024.0 0.9199999E-02
U2G025.2M 0.1900000E-02	U2G027.5 0.1700000E-01	U2G0290M 0.3500000E-02	U2G032.0 0.4600000E-02
U2G033.0 0.6900001E-02	U2G034.0 0.9199999E-02	U2G0351M 0.1900000E-02	U2G037.5 0.1700000E-01
U2G0390M 0.3500000E-02	ZCSEALOP 0.1000000E-01		

A N A L Y S I S O F P R I M A L T R E E

IMPLICANTS HAVING IMPORTANCE LESS THAN 0.9999999E-10 ARE NOT GIVEN

IMPLICANTS IN TERMS OF BASIC EVENTS

IMPLICANTS FOR EVENT LOOP-CM

1	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M		
2	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	
3	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	
4	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S
5	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	
6	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	
7	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S
8	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M		
9	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S
10	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	
11	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	
12	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	
13	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	
14	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M		
15	JIVTLOW	LOOP	NROSP7.5	UGE2G03M	U2G027.5		
16	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	U2G037.5		
17	JIVTLOW	LOOP	NROSP7.5	U2G027.5	U2G037.5		
18	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G024.0	
19	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G034.0	
20	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0		
21	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0		
22	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G0390M		
23	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G0290M		
24	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2GG390M	

25	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G0290M		
26	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M		
27	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
28	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
29	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
30	JIVTHIGH	LOOP	NROSP4.0	U2G024.0	U2G034.0			
31	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M			
32	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M		
33	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S		
34	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	
35	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M			
36	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M		
37	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S		
38	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	
39	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R		
40	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R		
41	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R		
42	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G07R		
43	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R		
44	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R		
45	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R		
46	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R		
47	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02R			
48	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE2G03R			
49	LOOP	LOPMDISC	NROSP90M	U2G0290M	U2G0390M			
50	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M		
51	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M		
52	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M			
53	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	

54	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
55	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
56	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
57	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R		
58	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R		
59	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R		
60	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03R		
61	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R		
62	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R		
63	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02R		
64	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R		
65	CRV00030	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
66	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M		
67	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M		
68	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
69	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
70	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	
71	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	
72	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
73	LOOP	NROSP51M	NR2D251M	NR2D351M	SEALFAIL	UGE2G02S	UGE2G03S
74	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	
75	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	
76	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03M	
77	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	
78	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M	
79	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03M	
80	LOOP	NROSP3.0	NR2D23.0	NR2D33.0	UGE2G02S	UGE2G03S	UOPLSHED
81	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
82	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0413N	UGE2G03S

83	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
84	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
85	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
86	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
87	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R		
88	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R		
89	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE2G03R		
90	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R		
91	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02R		
92	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R		
93	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UOPLSHED	
94	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UOPLSHED	
95	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UOPLSHED		
96	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02M		
97	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE2G03M		
98	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	U2G0251M	
99	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	U2G0351M	
100	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	
101	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	
102	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
103	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
-	LOOP	LPM0141M	LPM0504M	LPT0140S	LPT0140Y		
-	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	
106	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	
107	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03M		
108	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03M		
109	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03M		
110	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02M		
111	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02M		

112		LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M		
113		LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M		
114		LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03M		
115		LOOP	NROSP2.0	NR2D22.0	NR2D32.0	SEALWISO	UGE2G02S	UGE2G03S
116		LOOP	NROSP2.0	NR2D22.0	NR2D32.0	RCPFAIL	UGE2G02S	UGE2G03S ZCSEALOP
117		LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	
118		LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0613N	UGE2G02S	
119		LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0413N	UGE2G03S	
120		LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	
121		LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	
122	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S		
123	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S		
124		LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	
125		LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03S	ZCSEALOP
126		LOOP	NROSP2.0	NR2D32.0	SEALWISO	UGE2G02M	UGE2G03S	
127		LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE2G03M	ZCSEALOP
128		LOOP	NROSP2.0	NR2D22.0	SEALWISO	UGE2G02S	UGE2G03M	
129		LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	ZCSEALOP	
130		LOOP	NROSP2.0	SEALWISO	UGE2G02M	UGE2G03M		
131		LOOP	LPM0141S	LPM0504M	LPT0140S	LPT0140Y		
132		LOOP	LPM0141M	LPM0504S	LPT0140S	LPT0140Y		
133		LOOP	LPM0504M	LPT0140S	LPT0140Y	UCB0404N		
134		LOOP	LPM0141M	LPT0140S	LPT0140Y	UCB0603N		
135	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R			
136	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R			
137	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE2G03M			
138	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02M			
139	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M			
140	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M			

141	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03M	
142	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03M	
143	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
144	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
145	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
146	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
147	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
148	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
149	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	
150	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R	
151	LOOP	LPM0141S	LPM0504S	LPT0140S	LPT0140Y	
152	LOOP	LPM0504S	LPT0140S	LPT0140Y	UCB0404N	
153	LOOP	LPM0141S	LPT0140S	LPT0140Y	UCB0603N	
154	LOOP	LPT0140S	LPT0140Y	UCB0404N	UCB0603N	
155	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R	
156	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02R	
157	CRV00030	LOOP	NROSP51M	UCB0613N	UGE2G02R	
158	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03R	
159	CRV00030	LOOP	NROSP51M	UCB0413N	UGE2G03R	
160	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02R	
161	LOOP	LPT0140M	NROSP51M	UGE2G02M	U2G0351M	
162	LOOP	LPT0140M	NROSP51M	UGE2G03M	U2G0251M	
163	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
164	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
165	LOOP	LOPORFIL	NROSP51M	UCB0413N	UGE2G03R	
166	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	
167	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	
168	LOOP	LOPORFIL	NROSP51M	UCB0613N	UGE2G02R	
169	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R	

170	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R		
171	LOOP	LPM0141M	LPM0504M	LPT0140M			
172	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R		
173	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R		
174	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UOPLSHED	U2G033.0	
175	LOOP	NROSP3.0	NR2D33.0	UGE2G03S	UOPLSHED	U2G023.0	
176	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M		
177	LMV4716P	LOOP	NROSP51M	UGE2G02M	U2G0351M		
178	LMV4716P	LOOP	NROSP51M	UGE2G03M	U2G0251M		
179	LOOP	NROSP3.0	UGE2G03M	UOPLSHED	U2G023.0		
180	LOOP	NROSP3.0	UGE2G02M	UOPLSHED	U2G033.0		
181	LOOP	LPY0140R	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
182	LOOP	LPY0140R	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
183	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	U2G0351M	
184	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	U2G0251M	
185	LOOP	LPY0140R	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
186	LOOP	LPM0504M	LPT0140M	UCB0404N			
187	LOOP	LPM0141M	LPT0140M	UCB0603N			
188	LOOP	LPM0141R	LPM0504S	LPT0140M			
189	LOOP	LPM0141S	LPM0504M	LPT0140M			
190	LMV4716P	LOOP	LPM0141M	LPM0504M			
191	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	
192	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	
193	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
194	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
195	FLOWDIV	LOOP					
196	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R		
197	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R		
198	LOOP	LPT0140M	UCB0404N	UCB0603N			

199	LOOP	LPM0141S	LPT0140M	UCB0603N		
200	LMV4716P	LOOP	LPM0504M	UCB0404N		
201	LMV4716P	LOOP	LPM0141S	LPM0504M		
202	LOOP	LPM0141S	LPM0504S	LPT0140M		
203	LMV4716P	LOOP	LPM0141M	UCB0603N		
204	LOOP	LPM0504S	LPT0140M	UCB0404N		
205	LMV4716P	LOOP	LPM0141M	LPM0504S		
206	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02M	
207	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03M	
208	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
209	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
210	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02M	
211	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2GG3M	
212	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
213	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
214	LMV4716P	LOOP	UCB0404N	UCB0603N		
215	LMV4716P	LOOP	LPM0141S	UC30603N		
216	LMV4716P	LOOP	LPM0141S	LPM0504S		
217	LMV4716P	LOOP	LPM0504S	UCB0404N		
218	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
219	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
220	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02M	
221	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03M	
222	CRV00030	LOOP	NROSP51M	UCB0613N	UGE2G02M	
223	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03M	
224	CRV00030	LOOP	NROSP51M	UCB0413N	UGE2G03M	
225	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02M	
226	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
227	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S

228	CRV00030	LOOP	NROSP51M	NR2D251M	UCB06[illegible]N	UGE2G[illegible]
229	CRV00030	LOOP	NROSP51M	NR2D351M	UCB[illegible]N	[illegible]
230	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G[illegible]
231	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UCE2G03S
232	LOOP	LOPORFIL	NROSP51M	UCB0613N	UGE2G02M	
233	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G0[illegible]M	
234	LOOP	LOPORFIL	NROSP51M	UCB0413N	UGE2G03M	
235	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M	
236	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M	
237	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03M	
238	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
239	LOOP	LOPORFIL	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
240	LOOP	LOPORFIL	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
241	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
242	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
243	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
244	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
245	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
246	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0613N
247	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N
248	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N
249	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	
250	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03M	
251	LOOP	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G[illegible]
252	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
253	LOOP	LTKCONDH				
254	LOOP	LPM0141M	LPM0504R	LPT0140S	LPT0140Y	
255	LOOP	LPM0141R	LPM0504M	LPT0140S	LPT0140Y	
256	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE2G03M	

257	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE2G03M		
258	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE2G03M		
259	LOOP	LXV0122X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
260	LOOP	LXV0471X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
261	LOOP	LXV0468X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
262	LOOP	LXV0468X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
263	LOOP	LXV0122X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
264	LOOP	LXV0471X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
265	LOOP	LXV0122X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
266	LOOP	LXV0471X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
267	LOOP	LXV0468X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
268	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M		
269	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03M		
270	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S	
271	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S	
272	CRV00030	LOOP	NROSP51M	UGE2G03M	U2G0251M		
273	CRV00030	LOOP	NROSP51M	UGE2G02M	U2G0351M		
274	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	U2G0351M	
275	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	U2G0251M	
276	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03R		
277	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02R		
278	LOOP	NROSP2.0	NR2D22.0	SEALWISO	UGE2G02S	U2G032.0	
279	LOOP	NROSP2.0	NR2D32.0	SEALWISO	UGE2G03S	U2G022.0	
280	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	U2G032.0	ZCSEALOP
281	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G03S	U2G022.0	ZCSEALOP
282	LOOP	LPM0141S	LPM0504R	LPT0140S	LPT0140Y		
283	LOOP	LPM0141R	LPM0504S	LPT0140S	LPT0140Y		
284	LOOP	LPM0504R	LPT0140S	LPT0140Y	UCB0404N		
285	LOOP	LPM0141R	LPT0140S	LPT0140Y	UCB0603N		

286	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	U2G022.0	ZCSEALOP
287	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	U2G032.0	ZCSEALOP
288	LOOP	NROSP2.0	SEALMISO	UGE2G02M	U2G032.0	
289	LOOP	NROSP2.0	SEALMISO	UGE2G03M	U2G022.0	
290	CRV0003O	LOOP	LPM0141M	LPM0504M		
291	LOOP	LOPORFIL	NROSP51M	UGE2G03M	U2G0251M	
292	LOOP	NROSP51M	SEALFAIL	UGE2G02M	U2G0351M	
293	LOOP	NROSP51M	SEALFAIL	UGE2G03M	U2G0251M	
294	LOOP	LOPORFIL	NROSP51M	UGE2G02M	U2G0351M	
295	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
296	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	U2G0351M
297	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	U2G0251M
298	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
299	CRV0003O	LOOP	LPM0141R	NROSP51M	UGE2G03R	
300	CRV0003O	LOOP	LPM0504R	NROSP51M	UGE2G02R	
301	LOOP	LOPORFIL	LPM0141M	LPM0504M		
302	LOOP	LPM0504M	LPT0140M	NROSP51M	UCB0413N	
303	LOOP	LPM0141M	LPT0140M	NROSP51M	UCB0613N	
304	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
305	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
306	LOOP	LPT0140R	NROSP51M	UCB0413N	UGE2G03R	
307	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
308	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
309	LOOP	LPT0140R	NROSP51M	UCB0404N	UGE2G03R	
310	LOOP	LPT0140R	NROSP51M	UCB0603N	UGE2G02R	
311	LOOP	LPT0140R	NROSP51M	UCB0613N	UGE2G02R	
312	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03R
313	LOOP	LOPORFIL	LPM0504R	NROSP51M	UGE2G02R	
314	LOOP	LPM0141S	LPT0140R	NROSP51M	UGE2G03R	

315	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03R
316	LOOP	LPM0504S	LPT0140R	NROSP51M	UGE2G02R	
317	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02R
318	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03R
319	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02R
320	LOOP	LOPORFIL	LPM0141R	NROSP51M	UGE2G03R	
321	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02R
322	LOOP	NROSP3.0	UOPLSHED	U2G023.0	U2G033.0	
323	CRV00030	LOOP	LPM0504M	UCB0404N		
324	CRV00030	LOOP	LPM0141S	LPM0504M		
325	CRV00030	LOOP	LPM0141M	UCB0603N		
326	CRV00030	LOOP	LPM0141M	LPM0504S		
327	LOOP	LOPORFIL	LPM0141M	LPM0504S		
328	LOOP	LOPORFIL	LPM0141M	UCB0603N		
329	LOOP	LOPORFIL	LPM0504M	UCB0404N		
330	LOOP	LOPORFIL	LPM0141S	LPM0504M		
331	LMV4716P	LOOP	LPM0141M	NROSP51M	UCB0613N	
332	LOOP	LPM0141S	LPT0140M	NROSP51M	UCB0613N	
333	LOOP	LPM0504S	LPT0140M	NROSP51M	UCB0413N	
334	LOOP	LPT0140M	NROSP51M	UCB0413N	UCB0603N	
335	LMV4716P	LOOP	LPM0504M	NROSP51M	UCB0413N	
336	LOOP	LPT0140M	NROSP51M	UCB0404N	UCB0613N	
337	LOOP	LPT0140M	NROSP51M	UCB0413N	UCB0613N	
338	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02R
339	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03R
340	LCV0124P	LCV0448P	LOOP			
341	CRV00030	LOOP	LPM0141S	UCB0603N		
342	CRV00030	LOOP	UCB0404N	UCB0603N		
343	CRV00030	LOOP	LPM0141S	LPM0504S		

344	CRV0003O	LOOP	LPM0504S	UCB0404N		
345	LOOP	LPM0141R	LPM0504M	LPT0140M		
346	LOOP	LPM0141M	LPM0504R	LPT0140M		
347	LOOP	LOPORFIL	LPM0504S	UCB0404N		
348	LOOP	LOPORFIL	LPM0141S	UCB0603N		
349	LOOP	LOPORFIL	LPM0141S	LPM0504S		
350	LOOP	LOPORFIL	UCB0404N	UCB0603N		
351	LMV4716P	LOOP	LPM0141S	NROSP51M	UCB0613N	
352	LMV4716P	LOOP	NROSP51M	UCB0413N	UCB0603N	
353	LMV4716P	LOOP	NROSP51M	UCB0413N	UCB0613N	
354	LMV4716P	LOOP	NROSP51M	UCB0404N	UCB0613N	
355	LMV4713P	LOOP	LPM0504S	NROSP51M	UCB0413N	
356	LOOP	LPT0140S	LPT0140Y	NROSP51M	U2G0251M	U2G0351M
357	LMV4716P	LOOP	LPM0141R	LPM0504M		
358	LOOP	LPM0141S	LPM0504R	LPT0140M		
359	LMV4716P	LOOP	LPM0141M	LPM0504R		
360	LOOP	LPM0141R	LPM0504S	LPT0140M		
361	LOOP	LPM0141R	LPT0140M	UCB0603N		
362	LOOP	LPM0504R	LPT0140M	UCB0404N		
363	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02M	
364	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03M	
365	LOOP	LPM0141M	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
366	LOOP	LPM0504M	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
367	LOOP	LPT0140M	LXV0538X	NROSP51M	UGE2G02R	
368	LOOP	LPM0504M	LXV0122X	NROSP51M	UGE2G02R	
369	LCV0448P	LOOP	LPT0140M	NROSP51M	UGE2G02R	
370	LOOP	LPT0140M	LXV0542X	NROSP51M	UGE2G02R	
371	LCV0532P	LOOP	LPT0140M	NROSP51M	UGE2G02R	
372	LCV0126P	LOOP	LPT0140M	NROSP51M	UGE2G03R	

373	LOOP	LPT0140M	LXV0469X	NROSP51M	UGE2G03R	
374	LOOP	LPM0141M	LXV0471X	NROSP51M	UGE2G03R	
375	LOOP	LPM0141M	LXV0468X	NROSP51M	UGE2G03R	
376	LOOP	LPT0140M	LXV0533X	NROSP51M	UGE2G02R	
377	LOOP	LPM0504M	LXV0468X	NROSP51M	UGE2G02R	
378	LOOP	LPM0504M	LXV0471X	NROSP51M	UGE2G02R	
379	LOOP	LPT0140M	LXV0127X	NROSP51M	UGE2G03R	
380	LOOP	LPM0141M	LXV0122X	NROSP51M	UGE2G03R	
381	LCV0124P	LOOP	LPT0140M	NROSP51M	UGE2G03R	
382	LOOP	LPT0140M	LXV471AX	NROS 51M	UGE2G03R	
383	LMV4716P	LOOP	LPM0141R	LPM0504S		
384	LMV4716P	LOOP	LPM0141S	LPM0504R		
385	LMV4716P	LOOP	LPM0141R	UCB0603N		
386	LMV4716P	LOOP	LPM0504R	UCB0404N		
387	CRV00030	LOOP	LPM0504R	NROSP51M	UGE2G02M	
388	CRV00030	LOOP	LPM0141R	NROSP51M	UGE2G03M	
389	CRV00030	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
390	CRV00030	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
391	LOOP	LPM0504S	LPT0140R	NROSP51M	UGE2G02M	
392	LOOP	LP70140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03M
393	LOOP	LOPORFIL	LPM0141R	NROSP51M	UGE2G03M	
394	LOOP	LPM0141S	LPT0140R	NROSP51M	UGE2G03M	
395	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03M
396	LOOP	LPT0140R	NROSP51M	UCB0603N	UGE2G02M	
397	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02M
398	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
399	LOOP	LOPORFIL	LPM0504R	NROSP51M	UGE2G02M	
400	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
401	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M

402	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	
403	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02M	
404	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03M	
405	LOOP	LPT0140R	NROSP51M	UCB0613N	UGE2G02M		
406	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02M	
407	LOOP	LPT0140R	NROSP51M	UCB0404N	UGE2G03M		
408	LOOP	LPT0140R	NROSP51M	UCB0413N	UGE2G03M		
409	ICB3P106	LOOP	NROSP51M	UGE2G02M	UGE2G03M		
410	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
411	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
412	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
413	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
414	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
415	LOOP	LOPORFIL	LPM0504R	NROSP51M	NR2D251M	UGE2G02S	
416	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
417	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
418	LOOP	LOPORFIL	LPM0141R	NROSP51M	NR2D351M	UGE2G03S	
419	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
420	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
421	LOOP	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S	
422	ICB3P106	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
423	LOOP	LPM0504S	LPT0140R	NROSP51M	NR2D251M	UGE2G02S	
424	LOOP	LPT0140R	NROSP51M	NR2D351M	UCB0413N	UGE2G03S	
425	LOOP	LPT0140R	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	
426	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
427	LOOP	LPT0140R	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	
428	ICB3P106	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
429	LOOP	LPT0140R	NROSP51M	NR2D251M	UCB0613N	UGE2G02S	
430	ICB3P106	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S

431	LOOP	LXV0122X	NROSP51M	UCB0613N	UGE2G02R
432	LOOP	LXV0122X	NROSP51M	UCB0413N	UGE2G03R
433	LOOP	LXV0122X	NROSP51M	UCB0404N	UGE2G03R
434	LOOP	LXV0468X	NROSP51M	UCB0603N	UGE2G02R
435	LOOP	LXV0468X	NROSP51M	UCB0613N	UGE2G02R
436	LOOP	LXV0471X	NROSP51M	UCB0413N	UGE2G03R
437	LOOP	LXV0471X	NROSP51M	UCB0603N	UGE2G02R
438	LOOP	LXV0471X	NROSP51M	UCB0613N	UGE2G02R
439	LOOP	LXV0468X	NROSP51M	UCB0404N	UGE2G03R
440	LOOP	LXV0471X	NROSP51M	UCB0404N	UGE2G03R
441	LMV4716P	LOOP	LXV0469X	NROSP51M	UGE2G03R
442	LCV0448P	LMV4716P	LOOP	NROSP51M	UGE2G02R
443	LMV4716P	LOOP	LXV0538X	NROSP51M	UGE2G02R
444	LMV4716P	LOOP	LXV0542X	NROSP51M	UGE2G02R
445	LCV0448P	LMV4715P	LOOP	NROSP51M	UGE2G02R
446	LCV0126P	LMV4716P	LOOP	NROSP51M	UGE2G03R
447	LOOP	LPM0504S	LXV0468X	NROSP51M	UGE2G02R
448	LCV0124P	LMV4730P	LOOP	NROSP51M	UGE2G03R
449	LOOP	LPM0504S	LXV0122X	NROSP51M	UGE2G02R
450	LMV4716P	LOOP	LXV471AX	NROSP51M	UGE2G03R
451	LOOP	LPM0141S	LXV0468X	NROSP51M	UGE2G03R
452	LCV0532P	LMV4716P	LOOP	NROSP51M	UGE2G02R
453	LCV0448P	LMV4706P	LOOP	NROSP51M	UGE2G02R
454	LOOP	LXV0122X	NROSP51M	UCB0603N	UGE2G02R
455	LMV4716P	LOOP	LXV0127X	NROSP51M	UGE2G03R
456	LCV0124P	LMV4716P	LOOP	NROSP51M	UGE2G03R
457	LCV0124P	LMV4705P	LOOP	NROSP51M	UGE2G03R
458	LOOP	LXV0468X	NROSP51M	UCB0413N	UGE2G03R
459	LMV4716P	LOOP	LXV0533X	NROSP51M	UGE2G02R

460	LOOP	LPM0141S	LXV0471X	NROSP51M	UGE2G03R		
461	LOOP	LPM0504S	LXV0471X	NROSP51M	UGE2G02R		
462	LOOP	LPM0141S	LXV0122X	NROSP51M	UGE2G03R		
463	LOOP	LPT0140M	NROSP51M	UCAG003A	UGE2G02R		
464	LOOP	LPT0140M	NROSP51M	UCAG002A	UGE2G03R		
465	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	
466	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	
467	LMV4716M	LOOP	NROSP51M	UGE2G02M	UGE2G03M		
468	LMV4716M	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
469	LMV4716M	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
470	IBEB009H	LOOP	NROSP51M	UGE2G02M	UGE2G03M		
471	LMV4716M	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
472	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03M	
473	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02M	
474	IBEB009H	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	
475	IBEB009H	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	
476	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
477	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
478	LOOP	LPT0140M	NROSP51M	U2G0251M	U2G0351M		
479	IBEB009H	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S
480	LMV4716P	LOOP	NROSP51M	UCAG003A	UGE2G02R		
481	LMV4716P	LOOP	NROSP51M	UCAG002A	UGE2G03R		
482	CRV0003O	LOOP	LPM0504M	NROSP51M	UCB0413N		
483	CRV0003O	LOOP	LPM0141M	NROSP51M	UCB0613N		
484	ICB2D203	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	
485	ICB1P101	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	
486	ICB1D103	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	
487	ICB2P101	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	
488	LOOP	LPM0141R	LPM0504R	LPT0140S	LPT0140Y		

489	LOOP	LOPORFIL	LPM0141M	NROSP51M	UCB0613N	
490	LOOP	LOPORFIL	LPM0504M	NROSP51M	UCB0413N	
491	LOOP	LPY0140R	NROSP51M	UGE2G03M	U2G0251M	
492	LOOP	LPY0140R	NROSP51M	UGE2G02M	U2G0351M	
493	LMV4716P	LOOP	NROSP51M	U2G0251M	U2G0351M	
494	LOOP	LPY0140R	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
495	LOOP	LPY0140R	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
496	LOOP	LPM0141M	LPM0504M	LPT0140R		
497	CRV00030	LOOP	LPM0504S	NROSP51M	UCB0413N	
498	CRV00030	LOOP	LPM0141S	NROSP51M	UCB0613N	
499	CRV00030	LOOP	NROSP51M	UCB0413N	UCB0613N	
500	CRV00030	LOOP	NROSP51M	UCB0404N	UCB0613N	
501	CRV00030	LOOP	NROSP51M	UCB0413N	UCB0603N	
502	LOOP	LPM0504R	LPT0140R	NROSP51M	UGE2G02R	
503	IBYB007H	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
504	LOOP	LPM0141R	LPT0140R	NROSP51M	UGE2G03R	
505	IBYB008H	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
506	LOOP	LOPORFIL	NROSP51M	UCB0413N	UCB0603N	
507	LOOP	LOPORFIL	NROSP51M	UCB0413N	UCB0613N	
508	LOOP	LOPORFIL	NROSP51M	UCB0404N	UCB0613N	
509	LOOP	LOPORFIL	LPM0141S	NROSP51M	UCB0613N	
510	LOOP	LOPORFIL	LPM0504S	NROSP51M	UCB0413N	
511	LOOP	NROSP2.0	RCPFAIL	U2G022.0	U2G032.0	ZCSEALOP
512	LOOP	NROSP2.0	SEALMISO	U2G022.0	U2G032.0	
513	LOOP	LPM0504M	LXV0471X	NROSP51M	UGE2G02M	
514	LOOP	LPM0504M	LXV0468X	NROSP51M	UGE2G02M	
515	LOOP	LPM0504M	LXV0122X	NROSP51M	UGE2G02M	
516	LOOP	LPT0140M	LXV0542X	NROSP51M	UGE2G02M	
517	LOOP	LPM0141M	LXV0468X	NROSP51M	UGE2G03M	

518	LCV0532P	LOOP	LPT0140M	NROSP51M	UGE2G02M	
519	LCV0448P	LOOP	LPT0140M	NROSP51M	UGE2G02M	
520	LCV0126P	LOOP	LPT0140M	NROSP51M	UGE2G03M	
521	LOOP	LPM0141M	LXV0471X	NROSP51M	UGE2G03M	
522	LOOP	LPT0140M	LXV0469X	NROSP51M	UGE2G03M	
523	LOOP	LPM0141M	LXV0122X	NROSP51M	UGE2G03M	
524	LOOP	LPT0140M	LXV471AX	NROSP51M	UGE2G03M	
525	LOOP	LPT0140M	LXV0538X	NROSP51M	UGE2G02M	
526	LCV0124P	LOOP	LPT0140M	NROSP51M	UGE2G03M	
527	LOOP	LPT0140M	LXV0533X	NROSP51M	UGE2G02M	
528	LOOP	LPT0140M	LXV0127X	NROSP51M	UGE2G03M	
529	CRV00030	LOOP	LPM0141R	LPM0504M		
530	CRV00030	LOOP	LPM0141M	LPM0504R		
531	LOOP	LPM0504M	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
532	LOOP	LPM0141M	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
533	LCV0126P	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
534	LCV0532P	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
535	LOOP	LPT0140M	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
536	LOOP	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
537	LOOP	LPM0504M	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
538	LOOP	LPM0504M	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
539	LCV0448P	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
540	LOOP	LPT0140M	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
541	LOOP	LPM0141M	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
542	LOOP	LPM0141M	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
543	LOOP	LPT0140M	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
544	LOOP	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
545	LOOP	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
546	LCV0124P	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S

547	LOOP	LPM0141M	LPM0504S	LPT0140R	
548	LOOP	LPM0504M	LPT0140R	UCB0404N	
549	LOOP	LPM0141M	LPT0140R	UCB0603N	
550	LOOP	LPM0141S	LPM0504M	LPT0140R	
551	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV471AX
552	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0469X
553	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0127X
554	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0542X
555	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0538X
556	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0533X
557	LOOP	LOPORFIL	LPM0141R	LPM0504M	
558	LOOP	LOPORFIL	LPM0141M	LPM0504R	
559	LCV0532P	LOOP	LPM0141M	LPT0140S	LPT0140Y
560	LCV0126P	LOOP	LPM0504M	LPT0140S	LPT0140Y
561	LOOP	LPM0504R	LPT0140M	NROSP51M	UCB0413N
562	LOOP	LPM0141R	LPT0140M	NROSP51M	UCB0613N
563	EFAS1CCF	EFAS2CCF	KOPEFAS	LOOP	
564	CRV0003O	LOOP	LPM0141R	UCB0603N	
565	CRV0003O	LOOP	LPM0141R	LPM0504S	
566	CRV0003O	LOOP	LPM0504R	UCB0404N	
567	CRV0003O	LOOP	LPM0141S	LPM0504R	
568	LOOP	LXV0122X	NROSP51M	UCB0404N	UGE2G03M
569	LOOP	LXV0471X	NROSP51M	UCB0413N	UGE2G03M
570	LOOP	LXV0471X	NROSP51M	UCB0613N	UGE2G02M
571	LOOP	LXV0471X	NROSP51M	UCB0603N	UGE2G02M
572	LOOP	LXV0468X	NROSP51M	UCB0613N	UGE2G02M
573	LOOP	LXV0468X	NROSP51M	UCB0603N	UGE2G02M
574	LOOP	LXV0468X	NROSP51M	UCB0413N	UGE2G03M
575	LOOP	LXV0122X	NROSP51M	UCB0613N	UGE2G02M

576	LOOP	LXV0122X	NROSP51M	UCB0603N	UGE2G02M	
577	LOOP	LXV0122X	NROSP51M	UCB0413N	UGE2G03M	
578	LOOP	LPM0504S	LXV0471X	NROSP51M	UGE2G02M	
579	LOOP	LPM0504S	LXV0122X	NROSP51M	UGE2G02M	
580	LOOP	LPM0141S	LXV0471X	NROSP51M	UGE2G03M	
581	LOOP	LPM0141S	LXV0468X	NROSP51M	UGE2G03M	
582	LCV0126P	LMV4716P	LOOP	NROSP51M	UGE2G03M	
583	LMV4716P	LOOP	LXV0542X	NROSP51M	UGE2G02M	
584	LCV0124P	LMV4705P	LOOP	NROSP51M	UGE2G03M	
585	LMV4716P	LOOP	LXV0469X	NROSP51M	UGE2G03M	
586	LOOP	LPM0504S	LXV0468X	NROSP51M	UGE2G02M	
587	LMV4716P	LOOP	LXV0538X	NROSP51M	UGE2G02M	
588	LCV0532P	LMV4716P	LOOP	NROSP51M	UGE2G02M	
589	LCV0448P	LMV4716P	LOOP	NROSP51M	UGE2G02M	
590	LOOP	LXV0468X	NROSP51M	UCB0404N	UGE2G03M	
591	LMV4716P	LOOP	LXV0127X	NROSP51M	UGE2G03M	
592	LOOP	LPM0141S	LXV0122X	NROSP51M	UGE2G03M	
593	LCV0448P	LMV4706P	LOOP	NROSP51M	UGE2G02M	
594	LCV0448P	LMV4715P	LOOP	NROSP51M	UGE2G02M	
595	LCV0124P	LMV4716P	LOOP	NROSP51M	UGE2G03M	
596	LCV0124P	LMV4730P	LOOP	NROSP51M	UGE2G03M	
597	LMV4716P	LOOP	LXV0533X	NROSP51M	UGE2G02M	
598	LOOP	LXV0471X	NROSP51M	UCB0404N	UGE2G03M	
599	LMV4716P	LOOP	LXV471AX	NROSP51M	UGE2G03M	
600	LOOP	LXV0471X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
601	LOOP	LXV0471X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
602	LOOP	LXV0471X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
603	LOOP	LXV0471X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
604	LOOP	LXV0468X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S

605	LOOP	LXV0468X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
606	LOOP	LXV0122X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
607	LOOP	LXV0122X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
608	LOOP	LXV0122X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
609	LOOP	LXV0468X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
610	LMV4716P	LOOP	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
611	LMV4716P	LOOP	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
612	LOOP	LPM0504S	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
613	LOOP	LPM0504S	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
614	LCV0126P	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S
615	LOOP	LPM0504S	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
616	LMV4716P	LOOP	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
617	LCV0448P	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S
618	LMV4716P	LOOP	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
619	LCV0124P	LMV4705P	LOOP	NROSP51M	NR2D351M	UGE2G03S
620	LCV0124P	LMV4730P	LOOP	NROSP51M	NR2D351M	UGE2G03S
621	LCV0448P	LMV4715P	LOOP	NROSP51M	NR2D251M	UGE2G02S
622	LOOP	LXV0122X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
623	LMV4716P	LOOP	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
624	LMV4716P	LOOP	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
625	LOOP	LPM0141S	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
626	LCV0448P	LMV4706P	LOOP	NROSP51M	NR2D251M	UGE2G02S
627	LOOP	LPM0141S	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
628	LCV0124P	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S
629	LOOP	LPM0141S	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
630	LOOP	LXV0468X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
631	LCV0532P	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S
632	LOOP	LPT0140M	NROSP51M	UCAG003A	UGE2G02M	
633	LOOP	LPT0140M	NROSP51M	UCAG002A	UGE2G03M	

634	LOOP	LPT0140M	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
635	LOOP	LPTJ140M	NROSP51M	NR2D251M	UCAG003A	UGE2G02S

CPU TIME FOR RUN 50.515 SEC

SYSTEM RELIABILITY W/O DG CROSS-TIE

** BASIC EVENT OPTIONS USED **

BIRNBAUM	CRITICALITY	UPGRADING FUNCTION	FUSSELL-VESELY	INITIATOR (BARLOW-PROSCHAN)	ENABLER (CONTRIBUTORY)	STRUCTURAL
NO	NO	NO	YES	NO	NO	NO

** MIN CUT SET OPTIONS USED **

INITIATOR (BARLOW-PROSCHAN)	FUSSELL-VESELY
NO	YES

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INFORMATION ON DETAILED CUT SET OUTPUT -- NM =100 AND FACTOR =0.100E-01

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

** BASIC EVENT DATA **

BASIC EVENT NAME	PROBABILITY		ERROR FACTOR	DISTRIBUTION	DESCRIPTION
CRV0003O	0.110E-02	MEAN	3.0	LOGNORMAL	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
EFAS1CCF	0.890E-03	MEAN	10.0	LOGNORMAL	2-KE-EFAS 1 COMMON CAUSE FAILURE
EFAS2CCF	0.890E-03	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2 COMMON CAUSE FAILURE
IBCB001H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B001 FAILS TO OPERATE
IBCB002H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B002 FAILS TO OPERATE
IBCB003H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B003 FAILS TO OPERATE
IBCB004H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B004 FAILS TO OPERATE
IBEB009H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B009 UNAVAILABLE AT T=0
IBJB010H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B010 UNAVAILABLE AT T=0
IBSD1P1H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN CR SHORT CIRCUIT ON DC BUS D1P1
IBSD2P1H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CIRCUIT ON DC BUS D2P1
IBSD2P2H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D2P2

IBSD3P1H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D3P1
IBSD4P1H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D4P1
IBYB007H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B007 UNAVAILABLE AT T=0
IBYB008H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B008 UNAVAILABLE AT T=0
IBZB008H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B008 UNAVAILABLE AT T=0
ICA48BEH	0.720E-05	MEAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48BJH	0.720E-05	MEAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48BYH	0.720E-05	MEAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48BZH	0.720E-05	MEAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICBY110O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB Y0110 TO CV 4763 FAILS OPEN
ICBY210O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB Y0210 TO CV 4762 FAILS OPEN
ICB1D103	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB D103 TO PUMP P141 FAILS OPEN
ICB1P101	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB 2D1P101 TO PUMP P141 FAILS OPEN
ICB2D105	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR D105 TO CV 4705 FAILS OPEN
ICB2D203	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB D203 TO PUMP P504 FAILS OPEN
ICB2D205	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR D205 TO CV 4706 FAILS OPEN
ICB2P101	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB 2D2P101 TO PUMP P504 FAILS OPEN
ICB3P106	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR D3P106 TO CV 4716 FAILS OP
IIV0001X	0.240E-02	MEAN	3.0	LOGNORMAL	2-DC-INVERTER Y001 FAILS TO OPERATE
IIV0002X	0.240E-02	MEAN	3.0	LOGNORMAL	2-DC-INVERTER Y002 FAILS TO OPERATE
JIVTHIGH	0.170E+00	MEAN	10.0	LOGNORMAL	2-HIGH AMBIENT TEMPERATURE
JIVTLOW	0.830E+00	MEAN	10.0	LOGNORMAL	2-LOW AMBIENT TEMPERATURE
KEFAS1A	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 1A SIGNAL FAILURE
KEFAS1B	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 1B SIGNAL FAILURE
KEFAS2A	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2A SIGNAL FAILURE
KEFAS2B	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2B SIGNAL FAILURE
KLOPBUV	0.100E-02	MEAN	10.0	LOGNORMAL	2-KLOP-OP FAILS TO START DIESELS
KLOV1	0.200E-02	MEAN	10.0	LOGNORMAL	2-LOV SIGNAL TO DG #1 FAILS
KLOV2	0.200E-02	MEAN	10.0	LOGNORMAL	2-LOV SIGNAL TO DG #2 FAILS

KLOV3	0.200E-02	MEAN	10.0	LOGNORMAL	3-LOV SIGNAL TO UNIT 3 DG #3 FAILS
KLOV4	0.200E-02	MEAN	10.0	LOGNORMAL	3-KLOV-LOVSIGNAL TO UNIT 3 DG#2 FAILS
KOPEFAS	0.300E-02	MEAN	3.0	LOGNORMAL	2-EFAS-OPERATOR FAILS TO MANUALLY ACTUATE
LAV8200Q	0.130E-03	MEAN	10.0	LOGNORMAL	2-AFWS-AIR OPERATED VLVE 8200 N.O. FAILS CLOSE
LAV8201Q	0.130E-03	MEAN	10.0	LOGNORMAL	2-AFWS-AIR OPERATED VLVE 8201 N.O. FAILS CLOSE
LCV0003P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV003 FAILS TO OPEN
LCV0005P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CK VLVE CV005 FAILS TO OPEN
LCV0121F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV121 FAILS DUE TO LEAKAGE
LCV0121P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV121 FAILS TO OPEN
LCV0124P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV124 FAILS TO OPEN
LCV0126F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV126 FAILS DUE TO LEAKAGE
LCV0126P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV126 FAILS TO OPEN
LCV0448P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV448 FAILS TO OPEN
LCV0532F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV532 FAILS DUE TO LEAKAGE
LCV0532P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV532 FAILS TO OPEN
LCV0547F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV547 FAILS DUE TO LEAKAGE
LCV0547P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV547 FAILS TO OPEN
LFLOWDIV	0.400E-07	MEAN	10.0	LOGNORMAL	2-AFWS-FLOW DIVERSION TO MFW SYSTEM
LMV4705M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4705 LEFT CLOSED AFT MAINT
LMV4705P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4705 FAILS TO OPEN-RAN CAU
LMV4705R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4705 FAILS ON SUBSEQUENT DEMANDS
LMV4706M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4706 LEFT CLOSED AFT MAIN
LMV4706P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4706 FAILS TO OPEN-RAND C
LMV4706R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4706 FAILS ON SUBSEQUENT DEMANDS
LMV4712M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4712 FAILS CLOSED DUE PM
LMV4712P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4712 FAILS TO OPEN DUE RC
LMV4712R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4712 FAILS ON SUBSEQUENT DEMANDS
LMV4713M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4713 FAILS CLOSED DUE PM
LMV4713P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4713 FAILS TO OPEN DUE RC

LMV4713R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONT VLV 4713 FAILS ON SUBSEQUENT DEMAN
LMV4714M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4714 FAILS CLOSED DUE PM
LMV4714P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4714 FAILS TO OPEN DUE RC
LMV4715M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4715 FAILS CLOSED DUE PM
LMV4715P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4715 FAILS TO OPEN DUE RC
LMV4716M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4716 LEFT CLOSED AFT MAINT
LMV4716P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
LMV4730M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4730 FAILS CLOSED DUE PM
LMV4730P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4730 FAILS TO OPEN DUE RC
LMV4731M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4731 FAILS CLOSED DUE PM
LMV4731P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4731 FAILS TO OPEN DUE RC
LMV4762M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4763 FAILS CLOSED DUE PM
LMV4762P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4762 FAILS TO OPEN DUE RC
LMV4763M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4763 FAILS CLOSED DUE PM
LMV4763P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4763 FAILS TO OPEN DUE RC
LOOP	0.450E-01	MEAN	3.0	LOGNORMAL	2-ZC-LOSS OF OFFSITE POWER
LOOPC	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONDITIONAL LOSP GIVEN TURBINE TRIP
LOPCROSV	0.250E-03	MEAN	10.0	LOGNORMAL	2-AFWS-OPERATORS DO NOT ESTAB SYS CROSS CONN
LOPMDISC	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
LOPORFIL	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-OPERATORS OVERFILL STM GENERATORS
LOP4762X	0.300E-02	MEAN	3.0	LOGNORMAL	2-AFWS-OPERATOR FAILS TO OPEN VALVE 4762
LOP4763X	0.300E-02	MEAN	3.0	LOGNORMAL	2-AFWS-OPERATOR FAILS TO OPEN VALVE 4763
LPM0141M	0.370E-02	MEAN	10.0	LOGNORMAL	2-AFWS-PUMP 141 DOWN DUE TO MAINTENANCE
LPM0141R	0.720E-03	MEAN	10.0	LOGNORMAL	2-AFWS-P141 FAILS TO RUN FOR 24 HRS
LPM0141S	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-PUMP 141 FAILS TO START
LPM0504M	0.370E-02	MEAN	10.0	LOGNORMAL	2-AFWS-PUMP 504 DOWN DUE TO MAINTENANCE
LPM0504R	0.720E-03	MEAN	10.0	LOGNORMAL	2-AFWS-P504 FAILS TO RUN FOR 24 HRS
LPM0504S	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-PUMP 504 FAILS TO START
LPT0140M	0.370E-02	MEAN	10.0	LOGNORMAL	2-AFWS-PUMP P140 OOC DUE TO MAINT

LPT0140R	0.240E-03	MEAN	3.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN FOR 24 HRS
LPT0140S	0.300E-01	MEAN	10.0	LOGNORMAL	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	MEAN	10.0	LOGNORMAL	LA-NONRECOVERY OF AFW PMP P140
LPY0140R	0.240E-03	MEAN	3.0	LOGNORMAL	2-AFWS-PUMP P140 FAILS TO RUN
LSV4714P	0.100E-02	MEAN	3.0	LOGNORMAL	2-AFWS-SOL VLV 4714 FAILS TO OPEN
LSV4731P	0.100E-02	MEAN	3.0	LOGNORMAL	2-AFWS-SOL VLV 4731 FAILS TO OPEN
LTKCONDH	0.200E-07	MEAN	10.0	LOGNORMAL	2-AFWS-CONDENSATE STORAGE TANK SUPPLY UNAVAIL.
LXV0122X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V122 LEFT CLOSED AFT MAINT
LXV0123X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V123 LEFT CLOSED AFT MAINT
LXV0125X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V125 LEFT CLOSED AFT MAIN
LXV0127X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V127 LEFT CLOSED AFT MAINT
LXV0128X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V128LEFT CLOSED AFT MAIN
LXV0130X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V130 LEFT CLOSED AFT MAIN
LXV0131X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V131LEFT CLOSED AFT MAIN
LXV0133X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V133 LEFT CLOSED AFT MAIN
LXV0134X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V134 LEFT CLOSED AFT MAINT
LXV0136X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V136 LEFT CLOSED AFT MAINT
LXV0152X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V152 LEFT CLOSED AFT MAIN
LXV0153X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V153 LEFT CLOSED AFT MAIN
LXV0154X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V154 LEFT CLOSED AFT MAIN
LXV0468X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V468 LEFT CLOSED AFT MAIN
LXV0469X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V469 LEFT CLOSED AFT MAIN
LXV0471X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V471 LEFT CLOSED AFT MAINT
LXV0533X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLV 533 LEFT CLO AFT MAINT
LXV0538X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V338 LEFT CLOSED AFT MAIN
LXV0542X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V547 LEFT CLOSED AFT MAIN
LXV0553X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V553 LEFT CLOSED AFT MAIN
LXV471AX	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V471A LEFT CLOSED AFT MAIN
NROS02.0	0.140E+00	MEAN	3.0	LOGNORMAL	2-UC-NONRECOVERY OF OFFSITE POWER, T=2.0 HRS

NROSP3.0	0.900E-01	MEAN	3.0	LOGNORMAL	2-UD-NONRECOVERY OF OFFSITE POWER, T=3.0 HRS
NROSP4.0	0.700E-01	MEAN	3.0	LOGNORMAL	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NROSP51M	0.330E+00	MEAN	3.0	LOGNORMAL	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NROSP7.5	0.200E-01	MEAN	3.0	LOGNORMAL	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NROSP90M	0.200E+00	MEAN	3.0	LOGNORMAL	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
NR2D22.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G002 IN 2.0 HOURS
NR2D23.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G002 IN 3.0 HOURS
NR2D24.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G002 IN 4.0 HOURS
NR2D251M	0.940E+00	MEAN	10.0	LOGNORMAL	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D27.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G002 IN 7.5 HOURS
NR2D290M	0.890E+00	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G002 IN 90 MINUTES
NR2D32.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 2.0 HOURS
NR2D33.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 3.0 HOURS
NR2D34.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 4.0 HOURS
NR2D351M	0.940E+00	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
NR2D37.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 7.5 HOURS
NR2D390M	0.890E+00	MEAN	10.0	LOGNORMAL	2-NO REPAIR OF DG 2G003 IN 90 MINUTES
RCPFAIL	0.100E+00	MEAN	10.0	LOGNORMAL	2-ZC-RCP SEALS FAIL GIVEN NO BLEEDOFF ISOL
SEALFAIL	0.100E-02	MEAN	10.0	LOGNORMAL	2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL
SEALWISO	0.100E-02	MEAN	10.0	LOGNORMAL	2-ZC-SEALS FAIL GIVEN BLEEDOFF ISOL
UBS2ABEH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BE
UBS2ABJH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BJ
UBS2ABRA	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BRA
UBS2ABRB	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BRB
UBS2ABYH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BY
UBS2ABZH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BZ
UBS2A04H	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2A04
UBS2A06H	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2A06
UBS2B04H	0.240E-06	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2B04

UBS2B06H	0.240E-06	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2B06
UCAG002A	0.790E-04	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT IN GENERATOR POWER CABLE
UCAG003A	0.790E-04	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT IN GENERATOR POWER CABLE
UCBBE06O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR BE06 TO CV 4713 FAILS OPEN
UCBBE36O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR BE36 TO CV 4731 FAILS OPEN
UCBBRA05	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB 2BRA05 TO CV 4763 FAILS OPEN
UCBBRB05	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CB 2BRB05 TO CV 4762 FAILS OPEN
UCBBZ04O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR BZ04 TO CV 4712 FAILS OPEN
UCBBZ21O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CIRCUIT BRKR BZ21 TO CV 4714 FAILS OPEN
UCB0404N	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-BREAKER 2A0404 FAILS TO CLOSE DUE TO RC
UCB0413N	0.300E-02	MEAN	10.0	LOGNORMAL	2-ONAC-CIRCUIT BRKR 2A0413 FAILS TO CLOSE DUE
UCB0603N	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-BREAKER 2A0603 FAILS TO CLOSE DUE TO RC
UCB0613N	0.300E-02	MEAN	10.0	LOGNORMAL	2-ONAC-CIRCUIT BRKR 2A0613 FAILS TO CLOSE DUE
UGE2G02M	0.240E-01	MEAN	10.0	LOGNORMAL	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G02R	0.550E-01	MEAN	10.0	LOGNORMAL	2-ONAC-DG 2G002 FAILS TO RUN FOR 24 HRS
UGE2G02S	0.250E-01	MEAN	3.0	LOGNORMAL	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	MEAN	10.0	LOGNORMAL	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE
UGE2G03R	0.550E-01	MEAN	10.0	LOGNORMAL	2-ONAC-DG 2G003 FAILS TO RUN FOR 24 HRS
UGE2G03S	0.250E-01	MEAN	3.0	LOGNORMAL	2-ONAC-DG 2G003 FAILS TO START
UOPLSHED	0.300E-02	MEAN	10.0	LOGNORMAL	2-OPERATOR FAILS TO LOAD SHED AT T=1 HOUR
U2G022.0	0.460E-02	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 2.0 HOURS
U2G023.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 3.0 HOURS
U2G024.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS
U2G0251M	0.190E-02	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 51 MINUTES
U2G027.5	0.170E-01	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS
U2G0290M	0.350E-02	MEAN	10.0	LOGNORMAL	2-DG 2G002 FAILS TO RUN FOR 90 MINUTES
U2G032.0	0.460E-02	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 2.0 HOURS
U2G033.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 3.0 HOURS
U2G034.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS

U2G0351M	0.190E-02	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 51 MINUTES
U2G037.5	0.170E-01	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS
U2G0390M	0.350E-02	MEAN	10.0	LOGNORMAL	2-DG 2G003 FAILS TO RUN FOR 90 MINUTES
ZCSEALOP	0.100E-01	MEAN	10.0	LOGNORMAL	2-ZC-OPERATORS FAIL TO ISOL BLEEDOFF
DG2/1S	0.120E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG2/1R	0.150E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN GIVEN DG 2G02 FAILURE
2/151M	0.230E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL
2/190M	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL
2/12.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 2.0HR GIVEN 2G02 FAIL
2/13.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 3.0HR GIVEN 2G02 FAIL
2/14.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
2/17.5	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
504/141S	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS
140/MDSS	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO STRT GIVN 141&504 FAIL
140/141S	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO STRT GIVN 141 FAILS
140/504S	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO STRT GIVN 504 FAIL
504/141R	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFWS-P504 FAILS TO RUN GIVN 141 FAILS
140/MDSR	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN GIVN 141&504 FAIL
140/141R	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN GIVN 141 FAILS
140/504R	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN GIVN 504 FAILS
LVABCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MD FAIL OPEN HV-4705,06,12,13,15,30
LVABCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,13,15
LVABCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,13,30
LVABCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,15,30
LVABDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,13,15,30
LVACDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,12,13,15,30
LVBCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4706,12,13,15,30
LVABCD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,13
LVABCE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,15

LVABCF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,30
LVABDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13,15
LVABDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13,30
LVABEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,15,30
LVACDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13,15
LVACDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13,30
LVACEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,15,30
LVADEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,15,30
LVBCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13,15
LVBCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13,30
LVBCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,15,30
LVCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,15,30
LVBDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,15,30
LVABC	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12
LVABD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13
LVABE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,15
LVABF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,30
LVACD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13
LVACE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,15
LVACF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,30
LVADE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,15
LVADF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,30
LVAEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,15,30
LVBCD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13
LVBCE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,15
LVBCF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,30
LVCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,15
LVCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,30
LVCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,15,30

LVDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,15,30
LVBDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,15
LVBDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,30
LVBEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,15,30
LVDEG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,15,16
LVCFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,30,16
LVCDG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,16
LVEFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4715,30,16
LVDFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,30,16
LVCEG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,15,16
LVCG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,16
LVFG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4730,16
LVDG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,16
LVEG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4715,16
LVAB	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06
LVAC	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12
LVAD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13
LVAE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,15
LVAF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,30
LVBC	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12
LVBD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13
LVBE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,15
LVBF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,30
LVCD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13
LVCE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,15
LVCF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,30
LVDE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,15
LVDF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,30
LVEF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4715,30

LVJKLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,31,62,63
LVJKL	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,31,62
LVJKM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,31,63
LVJLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,62,63
LVKLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4731,62,63
LVJK	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,31
LVJL	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,62
LVJM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4714,63
LVKL	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4731,62
LVKM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4731,63
LVLM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4762,63

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
1	LOOP	1.00	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
2	UGE2G02S	0.588	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
3	DG2/1S	0.453	0.120	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
4	NROSP7.5	0.379	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
4	JIVTLOW	0.379	0.830	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
5	NROSP90M	0.248	0.200	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN

5	LOPMDISC	0.248	0.100	10.0	LOGNORML 2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
6	NROSP4.0	0.216	0.750E-01	3.00	LOGNORML 2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
6	JIVTHIGH	0.216	0.170	10.0	LOGNORML 2-HIGH AMBIENT TEMPERATURE
7	NR2D27.5	0.202	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G002 IN 7.5 HOURS
7	NR2D37.5	0.202	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 7.5 HOURS
8	NR2D390M	0.180	0.890	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 99 MINUTES
8	NR2D290M	0.180	0.890	10.0	LOGNORML 2-NO REPAIR OF DG 2G002 IN 90 MINUTES
9	NR2D34.0	0.137	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 4.0 HOURS
9	NR2D24.0	0.137	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G002 IN 4.0 HOURS
10	UGE2G03S	0.135	0.250E-01	3.00	LOGNORML 2-ONAC-DG 2G003 FAILS TO START
11	UGE2G03M	0.133	0.240E-01	10.0	LOGNORML 2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE
11	UGE2G02M	0.133	0.240E-01	10.0	LOGNORML 2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
12	U2G027.5	0.127	0.170E-01	10.0	LOGNORML 2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS
13	NRGSP51M	0.123	0.330	3.00	LOGNORML 2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
14	2/17.5	0.851E-01	0.100	5.30	LOGNORML 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
15	LPT0140Y	0.694E-01	0.240	10.0	LOGNORML LA-NONRECOVERY OF AFW PMP P140
16	NR2D351M	0.625E-01	0.940	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 51 MINUTES
16	NR2D251M	0.625E-01	0.940	10.0	LOGNORML 2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
17	LPT0140S	0.494E-01	0.300E-01	10.0	LOGNORML L-AFW PUMP P140 FAILS TO START
18	U2G024.0	0.492E-01	0.920E-02	10.0	LOGNORML 2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS
19	U2G037.5	0.417E-01	0.170E-01	10.0	LOGNORML 2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS
20	2/14.0	0.330E-01	0.100	5.30	LOGNORML 2-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
21	U2G0290M	0.309E-01	0.350E-02	10.0	LOGNORML 2-DG 2G002 FAILS TO RUN FOR 90 MINUTES
22	LPT0140M	0.279E-01	0.370E-02	10.0	LOGNORML 2-AFWS-PUMP P140 OOC DUE TO MAINT
23	LPM0141S	0.268E-01	0.300E-02	10.0	LOGNORML 2-AFWS-PUMP 141 FAILS TO START
24	LMV4716P	0.248E-01	0.300E-02	10.0	LOGNORML 2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
25	2/190M	0.211E-01	0.100	5.30	LOGNORML 2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL
26	504/141S	0.188E-01	0.100	10.0	LOGNORML 2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS
27	U2G034.0	0.162E-01	0.920E-02	10.0	LOGNORML 2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS

28	UGE2G02R	0.135E-01	0.550E-01	10.0	LOGNORML 2-ONAC-DG 2G002 FAILS TO RUN FOR 24 HRS
28	UGE2G03R	0.135E-01	0.550E-01	10.0	LOGNORML 2-ONAC-DG 2G003 FAILS TO RUN FOR 24 HRS
29	140/MDSS	0.109E-01	0.500E-01	10.0	LOGNORML 2-AFWS-P140 FAILS TO STRT GIVN 141&504 FAIL

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
30	U2G0390M	0.976E-02	0.350E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 90 MINUTES
31	CRV0003O	0.850E-02	0.110E-02	3.00	LOGNORML	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
32	LPM0504S	0.799E-02	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 504 FAILS TO START
33	LOPORFIL	0.770E-02	0.100E-02	10.0	LOGNORML	2-AFWS-OPERATORS OVERFILL STM GENERATORS
34	U2G0251M	0.759E-02	0.190E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 51 MINUTES
35	UCB0404N	0.672E-02	0.300E-02	10.0	LOGNORML	2-AFWS-BREAKER 2A0404 FAILS TO CLOSE DUE TO RC
35	UCB0603N	0.672E-02	0.300E-02	10.0	LOGNORML	2-AFWS-BREAKER 2A0603 FAILS TO CLOSE DUE TO RC
36	2/151M	0.605E-02	0.230	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL
37	UCB0613N	0.569E-02	0.300E-02	10.0	LOGNORML	2-ONAC-CIRCUIT BRKR 2A0613 FAILS TO CLOSE DUE
37	UCB0413N	0.569E-02	0.300E-02	10.0	LOGNORML	2-ONAC-CIRCUIT BRKR 2A0413 FAILS TO CLOSE DUE
38	LPM0504M	0.498E-02	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP 504 DOWN DUE TO MAINTENANCE
38	LPM0141M	0.498E-02	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP 141 DOWN DUE TO MAINTENANCE
39	140/504S	0.459E-02	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 504 FAIL
39	140/141S	0.459E-02	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 141 FAILS

40	NROSP3.0	0.453E-02	0.900E-01	3.00	LOGNORML 2-UD-NONRECOVERY OF OFFSITE POWER, T=3.0 HRS
40	UOPLSHED	0.453E-02	0.300E-02	10.0	LOGNORML 2-OPERATOR FAILS TO LOAD SHED AT T=1 HOUR
41	NROSP2.0	0.432E-02	0.140	3.00	LOGNORML 2-UC-NONRECOVERY OF OFFSITE POWER, T=2.0 HRS
42	SEALFAIL	0.394E-02	0.100E-02	10.0	LOGNORML 2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL
43	LPM0141R	0.388E-02	0.720E-03	10.0	LOGNORML 2-AFWS-P141 FAILS TO RUN FOR 24 HRS
44	NR2D32.0	0.314E-02	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 2.0 HOURS
44	NR2D22.0	0.314E-02	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G002 IN 2.0 HOURS
45	NR2D23.0	0.307E-02	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G002 IN 3.0 HOURS
45	NR2D33.0	0.307E-02	1.00	10.0	LOGNORML 2-NO REPAIR OF DG 2G003 IN 3.0 HOURS
46	LPM0504R	0.231E-02	0.720E-03	10.0	LOGNORML 2-AFWS-P504 FAILS TO RUN FOR 24 HRS
47	RCPFAIL	0.216E-02	0.100	10.0	LOGNORML 2-ZC-RCP SEALS FAIL GIVEN NO BLEEDOFF ISOL
47	ZCSEALOP	0.216E-02	0.100E-01	10.0	LOGNORML 2-ZC-OPERATORS FAIL TO ISOL BLEEDOFF
47	SEALMISO	0.216E-02	0.100E-02	10.0	LOGNORML 2-ZC-SEALS FAIL GIVEN BLEEDOFF ISOL
48	504/141R	0.156E-02	0.100	10.0	LOGNORML 2-AFWS-P504 FAILS TO RUN GIVN 141 FAILS
49	U2G0351M	0.155E-02	0.190E-02	10.0	LOGNORML 2-DG 2G003 FAILS TO RUN FOR 51 MINUTES
50	LPY0140R	0.946E-03	0.240E-03	3.00	LOGNORML 2-AFWS-PUMP P140 FAILS TO RUN
51	U2G023.0	0.837E-03	0.690E-02	10.0	LOGNORML 2-DG 2G002 FAILS TO RUN FOR 3.0 HOURS
52	140/141R	0.788E-03	0.200E-01	10.0	LOGNORML 2-AFWS-P140 FAILS TO RUN GIVN 141 FAILS
52	140/504R	0.788E-03	0.200E-01	10.0	LOGNORML 2-AFWS-P140 FAILS TO RUN GIVN 504 FAILS
53	LXV0471X	0.618E-03	0.100E-03	3.00	LOGNORML 2-AFWS-MAN VLVE V471 LEFT CLOSED AFT MAINT
53	LXV0468X	0.618E-03	0.100E-03	3.00	LOGNORML 2-AFWS-MANUAL VALVE V468 LEFT CLOSED AFT MAIN
53	LXV0122X	0.618E-03	0.100E-03	3.00	LOGNORML 2-AFWS MAN VLVE V122 LEFT CLOSED AFT MAINT
54	LPT0140R	0.612E-03	0.240E-03	3.00	LOGNORML 2-AFWS-P140 FAILS TO RUN FOR 24 HRS
55	U2G022.0	0.579E-03	0.460E-02	10.0	LOGNORML 2-DG 2G002 FAILS TO RUN FOR 2.0 HOURS

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
56	2/13.0	0.562E-03	0.100	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 3.0HR GIVEN 2G02 FAIL
57	2/12.0	0.388E-03	0.100	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 2.0HR GIVEN 2G02 FAIL
58	U2G033.0	0.275E-03	0.690E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 3.0 HOURS
59	LCV0448P	0.233E-03	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV448 FAILS TO OPEN
59	LCV0124P	0.233E-03	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV124 FAILS TO OPEN
60	U2G032.0	0.190E-03	0.460E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 2.0 HOURS
61	LCV0532P	0.150E-03	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV532 FAILS TO OPEN
61	LCV0126P	0.150E-03	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV126 FAILS TO OPEN
61	LXV0542X	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V542 LEFT CLOSED AFT MAIN
61	LXV0127X	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V127 LEFT CLOSED AFT MAINT
61	LXV0469X	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V469 LEFT CLOSED AFT MAIN
61	LXV471AX	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V471A LEFT CLOSED AFT MAIN
61	LXV0538X	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V338 LEFT CLOSED AFT MAIN
61	LXV0533X	0.150E-03	0.100E-03	3.00	LOGNORML	2-AFWS-MAN VLV 533 LEFT CLO AFT MAINT
62	LFLO#DIV	0.121E-03	0.400E-07	10.0	LOGNORML	2-AFWS-FLOW DIVERSION TO MFW SYSTEM
63	ICB3P106	0.113E-03	0.300E-04	10.0	LOGNORML	2-AFWS-CIRCUIT BRKR D3P106 TO CV 4716 FAILS OP
64	UCAG002A	0.101E-03	0.790E-04	10.0	LOGNORML	2-ONAC-OPEN OR SHORT IN GENERATOR POWER CABLE
64	UCAG003A	0.101E-03	0.790E-04	10.0	LOGNORML	2-ONAC-OPEN OR SHORT IN GENERATOR POWER CABLE
65	LMV4716M	0.940E-04	0.250E-04	10.0	LOGNORML	2-AFWS-CONTROL VLVE 4716 LEFT CLOSED AFT MAINT
66	IBEB009H	0.903E-04	0.240E-04	3.00	LOGNORML	2-DC-BATTERY B009 UNAVAILABLE AT T=0
67	LTKCONDH	0.603E-04	0.200E-07	10.0	LOGNORML	2-AFWS-CONDENSATE STORAGE TANK SUPPLY UNAVAIL.
68	LMV4706P	0.306E-04	0.300E-02	10.0	LOGNORML	2-AFWS-CONTROL VALVE 4706 FAILS TO OPEN-RAND C

68	LMV47_5P	0.306E-04	0.300E-02	10.0	LOGNORML 2-AFWS-CONTROL VALVE 4715 FAILS TO OPEN DUE RC
68	LMV4730P	0.306E-04	0.300E-02	10.0	LOGNORML 2-AFWS-CONTROL VALVE 4730 FAILS TO OPEN DUE RC
68	LMV4705P	0.306E-04	0.300E-02	10.0	LOGNORML 2-AFWS-CONTROL VLVE 4705 FAILS TO OPEN-RAN CAU
69	ICB2P101	0.118E-04	0.300E-04	10.0	LOGNORML 2-AFWS-CB 2D2P101 TO PUMP P504 FAILS OPEN
69	ICB1D103	0.118E-04	0.300E-04	10.0	LOGNORML 2-AFWS-CB D103 TO PUMP P141 FAILS OPEN
69	ICB2D203	0.118E-04	0.300E-04	10.0	LOGNORML 2-AFWS-CB D203 TO PUMP P504 FAILS OPEN
69	ICB1P101	0.118E-04	0.300E-04	10.0	LOGNORML 2-AFWS-CB 2D1P101 TO PUMP P141 FAILS OPEN
70	IBYB008H	0.946E-05	0.240E-04	3.00	LOGNORML 2-DC-BATTERY B008 UNAVAILABLE AT T=0
70	IBYB007H	0.946E-05	0.240E-04	3.00	LOGNORML 2-DC-BATTERY B007 UNAVAILABLE AT T=0
71	EFAS2CCF	0.717E-05	0.890E-03	10.0	LOGNORML 2-KE-EFAS 2 COMMON CAUSE FAILURE
72	KOPEFAS	0.717E-05	0.300E-02	3.00	LOGNORML 2-EFAS-OPERATOR FAILS TO MANUALLY ACTUATE
71	EFAS1CCF	0.717E-05	0.890E-03	10.0	LOGNORML 2-KE-EFAS 1 COMMON CAUSE FAILURE

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

1 0.150E+00 CUT SET 566

MIN CUT SET PROBABILITY = 0.224E-05

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER

NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 7.5 HOURS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 7.5 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

2 0.143E+00 CUT SET 569

MIN CUT SET PROBABILITY = 0.214E-05

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 90 MINUTES
NR2D390M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 90 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

3 0.108E+00 CUT SET 565

MIN CUT SET PROBABILITY = 0.161E-05

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 4.0 HOURS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 4.0 HOURS

UGE2G02S 0.250E-01 3.00 LOGNORML 2-ONAC-DG 2G002 FAILS TO START

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

4 0.851E-01 CUT SET 87

MIN CUT SET PROBABILITY = 0.127E-05

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
U2G027.5	0.170E-01	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL

5 0.330E-01 CUT SET 84

MIN CUT SET PROBABILITY = 0.493E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS

U2G024.0	0.920E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS
2/14.0	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL

6 0.322E-01 CUT SET 393

MIN CUT SET PROBABILITY = 0.481E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 90 MINUTES
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

6 0.322E-01 CUT SET 391

MIN CUT SET PROBABILITY = 0.481E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 90 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

OP EVENT PROBABILITY = 0.14921E-04

ANK IMPORTANCE

7 0.590E-01 CUT SET 347

MIN CUT SET PROBABILITY = 0.448E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 7.5 HOURS
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

7 0.300E-01 CUT SET 345

MIN CUT SET PROBABILITY = 0.448E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 7.5 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

8 9.215E-01 CUT SET 343

MIN CUT SET PROBABILITY = 0.321E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 4.0 HOURS
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

8 0.215E-01 CUT SET 341

MIN CUT SET PROBABILITY = 0.321E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 4.0 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

9 0.213E-01 CUT SET 348

MIN CUT SET PROBABILITY = 0.317E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 7.5 HOURS
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START
U2G027.5	0.170E-01	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS

9 0.213E-01 CUT SET 346

MIN CUT SET PROBABILITY = 0.317E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 7.5 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
U2G037.5	0.170E-01	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS

10 0.211E-01 CUT SET 158

MIN CUT SET PROBABILITY = 0.315E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
U2G0290M	0.350E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 90 MINUTES
Z/190M	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL

11 0.204E-01 CUT SET 86

MIN CUT SET PROBABILITY = 0.305E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE
U2G027.5	0.170E-01	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 7.5 HOURS

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

11 0.204E-01 CUT SET 85

MIN CUT SET PROBABILITY = 0.305E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOW	0.830E+00	10.0	LOGNORML	2-LOW AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NONRECOVERY OF OFFSITE POWER, T=7.5 HRS
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
U2G037.5	0.170E-01	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 7.5 HOURS

12 0.190E-01 CUT SET 579

MIN CUT SET PROBABILITY = 0.283E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

13 0.109E-01 CUT SET 212

MIN CUT SET PROBABILITY = 0.162E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
140/MDSS	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 141&504 FAIL
504/141S	0.100E+00	10.0	LOGNORML	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

14 0.976E-02 CUT SET 571

MIN CUT SET PROBABILITY = 0.146E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140M	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP P140 OOC DUE TO MAINT
NRGSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

15 0.825E-02 CUT SET 342

MIN CUT SET PROBABILITY = 0.123E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 4.0 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
U2G034.0	0.920E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS

15 0.825E-02 CUT SET 344

MIN CUT SET PROBABILITY = 0.123E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 4.0 HOURS
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START
U2G024.0	0.920E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS

16 0.792E-02 CUT SET 82

MIN CUT SET PROBABILITY = 0.118E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
U2G034.G	0.920E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 4.0 HOURS

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

16 0.792E-02 CUT SET 83

MIN CUT SET PROBABILITY = 0.118E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-HIGH AMBIENT TEMPERATURE
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NONRECOVERY OF OFFSITE POWER, T=4.0 HRS
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE
U2G024.0	0.920E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 4.0 HOURS

17 0.791E-02 CUT SET 568

MIN CUT SET PROBABILITY = 0.118E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LMV4716P	0.300E-02	10.0	LOGNORML	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

18 0.507E-02 CUT SET 156

MIN CUT SET PROBABILITY = 0.756E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
U2G0390M	0.350E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 90 MINUTES

18 0.507E-02 CUT SET 157

MIN CUT SET PROBABILITY = 0.756E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE
U2G0290M	0.350E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 90 MINUTES

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

19 0.470E-02 CUT SET 392

MIN CUT SET PROBABILITY = 0.701E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 90 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
U2G0390M	0.350E-02	10.0	LOGNORML	2-DG 2G003 FAILS TO RUN FOR 90 MINUTES

19 0.470E-02 CUT SET 394

MIN CUT SET PROBABILITY = 0.701E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-O[illegible]AILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NONRECOVERY OF OFFSITE POWER, T=90 MIN

NR2D390M	0.890E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 90 MINUTES
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START
U2G0290M	0.350E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 90 MINUTES

20 0.404E-02 CUT SET 557

MIN CUT SET PROBABILITY = 0.603E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-02	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

20 0.404E-02 CUT SET 552

MIN CUT SET PROBABILITY = 0.603E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

21 0.335E-02 CUT SET 50

MIN CUT SET PROBABILITY = 0.499E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
LPT0140M	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP P140 OOC DUE TO MAINT
504/141S	0.100E+00	10.0	LOGNORML	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS

22 0.313E-02 CUT SET 494

MIN CUT SET PROBABILITY = 0.467E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
U2G0251M	0.190E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 51 MINUTES

2/151M	0.230E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL

23 0.290E-02 CUT SET 532

MIN CUT SET PROBABILITY = 0.433E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
CRV0003O	0.110E-02	3.00	LOGNORML	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

24 0.271E-02 CUT SET 28

MIN CUT SET PROBABILITY = 0.405E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LMV4716P	0.300E-02	10.0	LOGNORML	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
504/141S	0.100E+00	10.0	LOGNORML	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS

25 0.264E-02 CUT SET 57[illegible]

MIN CUT SET PROBABILITY = 0.394E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
SEALFAIL	0.100E-02	10.0	LOGNORML	2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

25 0.264E-02 CUT SET 570

MIN CUT SET PROBABILITY = 0.394E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPORFIL	0.100E-02	10.0	LOGNORML	2-AFWS-OPERATORS OVERFILL STM GENERATORS
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

26 0.244E-02 CUT SET 577

MIN CUT SET PROBABILITY = 0.364E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.12dE+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP3.0	0.900E-01	3.00	LOGNORML	2-UD-NONRECOVERY OF OFFSITE POWER, T=3.0 HRS
NR2D23.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G002 IN 3.0 HOURS
NR2D33.0	0.100E+01	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 3.0 HOURS
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UOPLSHED	0.300E-02	10.0	LOGNORML	2-OPERATOR FAILS TO LOAD SHED AT T=1 HOUR

27 0.208E-02 CUT SET 454

MIN CUT SET PROBABILITY = 0.310E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140M	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP P140 OOC DUE TO MAINT

NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

27 0.208E-02 CUT SET 45?

MIN CUT SET PROBABILITY = 0.310E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPT0140M	0.370E-02	10.0	LOGNORML	2-AFMS-PUMP P140 OOC DUE TO MAINT
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES
UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

OP EVENT PROBABILITY = 0.14921E-04

ANK IMPORTANCE

28 0.197E-02 CUT SET 423

MIN CUT SET PROBABILITY = 0.294E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
UGE2G03R	0.550E-01	10.0	LOGNORML	2-ONAC-DG 2G003 FAILS TO RUN FOR 24 HRS
140/141S	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 141 FAILS

28 0.197E-02 CUT SET 441

MIN CUT SET PROBABILITY = 0.294E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0504S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 504 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
UGE2G02R	0.550E-01	10.0	LOGNORML	2-ONAC-DG 2G002 FAILS TO RUN FOR 24 HRS
140/504S	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 504 FAIL

29 0.168E-02 CUT SET 389

MIN CUT SET PROBABILITY = 0.251E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LMV4716P	0.300E-02	10.0	LOGNORML	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D351M	0.940E+00	10.0	LOGNORML	2-NO REPAIR OF DG 2G003 IN 51 MINUTES

UGE2G02M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G002 DOWN DUE TO MAINTENANCE
UGE2G03S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G003 FAILS TO START

29 0.168E-02 CUT SET 385

MIN CUT SET PROBABILITY = 0.251E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LMV4716P	0.300E-02	10.0	LOGNORML	2-AFWS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
NR2D251M	0.940E+00	10.0	LOGNORML	2-ONAC-NO REPAIR OF DIESEL GENERATOR, T=51 MIN
UGE2G02S	0.250E-01	3.00	LOGNORML	2-ONAC-DG 2G002 FAILS TO START
UGE2G03M	0.240E-01	10.0	LOGNORML	2-UB/ONAC-DG 2G003 DOWN DUE TO MAINTENANCE

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.14921E-04

RANK IMPORTANCE

30 0.161E-02 CUT SET 273

MIN CUT SET PROBABILITY = 0.240E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER

LPT0140M	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP P140 OOC DUE TO MAINT
NROSP51M	0.330E+00	3.00	LOGNORML	2-ONAC-NONRECOVERY OF OFFSITE POWER, T=51 MIN
U2G0251M	0.190E-02	10.0	LOGNORML	2-DG 2G002 FAILS TO RUN FOR 51 MINUTES
2/151M	0.230E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL

31 0.156E-02 CUT SET 202

MIN CUT SET PROBABILITY = 0.233E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141R	0.720E-03	10.0	LOGNORML	2-AFWS-P141 FAILS TO RUN FOR 24 HRS
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
504/141R	0.100E+00	10.0	LOGNORML	2-AFWS-P504 FAILS TO RUN GIVN 141 FAILS

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 32 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*

32	429	0.146E-02*	46	490	0.516E-03*	57	457	0.260E-03*	69	183	0.164E-03*
32	411	0.146E-02*	47	556	0.505E-03*	57	462	0.260E-03*	69	181	0.164E-03*
33	155	0.130E-02*	47	550	0.505E-03*	58	561	0.253E-03*	69	175	0.164E-03*
34	576	0.127E-02*	47	555	0.505E-03*	58	517	0.253E-03*	69	172	0.164E-03*
34	580	0.127E-02*	47	551	0.505E-03*	58	519	0.253E-03*	69	165	0.164E-03*
35	491	0.118E-02*	48	144	0.493E-03*	58	559	0.253E-03*	70	229	0.146E-03*
35	483	0.118E-02*	48	120	0.493E-03*	59	492	0.241E-03*	70	200	0.146E-03*
35	489	0.118E-02*	48	127	0.493E-03*	59	223	0.241E-03*	71	525	0.140E-03*
35	487	0.118E-02*	48	152	0.493E-03*	60	56	0.223E-03*	71	527	0.140E-03*
36	13	0.995E-03*	48	148	0.493E-03*	60	63	0.223E-03*	72	153	0.136E-03*
37	39	0.905E-03*	48	150	0.493E-03*	61	149	0.215E-03*	72	154	0.136E-03*
38	422	0.860E-03*	49	524	0.489E-03*	61	126	0.215E-03*	73	312	0.135E-03*
38	440	0.860E-03*	49	526	0.489E-03*	61	147	0.215E-03*	73	313	0.135E-03*
39	542	0.842E-03*	50	204	0.402E-03*	61	143	0.215E-03*	73	495	0.135E-03*
39	539	0.842E-03*	50	187	0.402E-03*	61	151	0.215E-03*	73	497	0.135E-03*
40	203	0.788E-03*	51	492	0.327E-03*	61	119	0.215E-03*	74	386	0.133E-03*
40	231	0.788E-03*	51	493	0.327E-03*	62	373	0.210E-03*	74	390	0.133E-03*
41	572	0.633E-03*	52	237	0.326E-03*	62	376	0.210E-03*	75	435	0.124E-03*
42	540	0.623E-03*	52	211	0.326E-03*	62	388	0.210E-03*	75	417	0.124E-03*
42	537	0.623E-03*	53	558	0.320E-03*	62	385	0.210E-03*	76	538	0.121E-03*
43	325	0.617E-03*	53	553	0.320E-03*	62	387	0.210E-03*	76	541	0.121E-03*
43	329	0.617E-03*	54	436	0.284E-03*	62	384	0.210E-03*	77	1	0.121E-03*
44	115	0.608E-03*	54	418	0.284E-03*	63	160	0.203E-03*	78	117	0.118E-03*
44	208	0.608E-03*	55	261	0.265E-03*	63	167	0.203E-03*	78	124	0.118E-03*
44	322	0.608E-03*	55	265	0.265E-03*	64	282	0.195E-03*	79	439	0.107E-03*
44	266	0.608E-03*	55	207	0.265E-03*	65	523	0.194E-03*	79	441	0.107E-03*
44	234	0.608E-03*	55	269	0.265E-03*	65	311	0.194E-03*	80	54	0.100E-03*

44	270	0.608E-03*	55	233	0.265E-03*	66	69	0.181E-03*	80	20	0.100E-03*
44	268	0.608E-03*	55	267	0.265E-03*	66	61	0.181E-03*	80	21	0.100E-03*
44	262	0.608E-03*	56	575	0.264E-03*	66	79	0.181E-03*	80	29	0.100E-03*
45	314	0.562E-03*	56	573	0.264E-03*	66	77	0.181E-03*	80	25	0.100E-03*
45	403	0.561E-03*	56	574	0.264E-03*	66	75	0.181E-03*	80	49	0.100E-03*
45	528	0.561E-03*	57	353	0.260E-03*	66	71	0.181E-03*	80	53	0.100E-03*
45	407	0.561E-03*	57	374	0.260E-03*	67	271	0.168E-03*	81	320	0.952E-04*
45	530	0.561E-03*	57	371	0.260E-03*	67	272	0.168E-03*	81	317	0.952E-04*
46	486	0.516E-03*	57	437	0.260E-03*	68	460	0.164E-03*	82	398	0.865E-04*
46	482	0.516E-03*	57	419	0.260E-03*	68	455	0.164E-03*	82	395	0.865E-04*
46	484	0.516E-03*	57	458	0.260E-03*	69	179	0.164E-03*	83	27	0.814E-04*

********** ***** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 32 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
83	31	0.814E-04*	95	415	0.623E-04*	108	404	0.444E-04*	115	3	0.302E-04*
83	32	0.814E-04*	95	433	0.623E-04*	109	58	0.434E-04*	116	12	0.299E-04*

84	428	0.795E-04*	96	2	0.603E-04*	109	65	0.434E-04*	116	17	0.299E-04*
84	410	0.795E-04*	97	186	0.578E-04*	110	354	0.394E-04*	116	16	0.299E-04*
85	564	0.791E-04*	97	196	0.578E-04*	110	354	0.394E-04*	117	38	0.271E-04*
86	60	0.788E-04*	98	513	0.561E-04*	110	275	0.394E-04*	117	42	0.271E-04*
86	67	0.788E-04*	98	510	0.561E-04*	110	281	0.394E-04*	117	41	0.271E-04*
86	74	0.788E-04*	98	501	0.561E-04*	110	358	0.394E-04*	118	142	0.269E-04*
86	76	0.788E-04*	98	516	0.561E-04*	110	279	0.394E-04*	118	146	0.269E-04*
86	70	0.788E-04*	98	507	0.561E-04*	110	368	0.394E-04*	118	125	0.269E-04*
86	78	0.788E-04*	98	504	0.561E-04*	110	277	0.394E-04*	118	118	0.269E-04*
87	205	0.782E-04*	99	116	0.516E-04*	110	476	0.394E-04*	118	145	0.269E-04*
87	197	0.782E-04*	99	123	0.516E-04*	110	210	0.394E-04*	119	19	0.241E-04*
88	319	0.772E-04*	100	372	0.505E-04*	110	472	0.394E-04*	119	22	0.241E-04*
88	322	0.772E-04*	100	375	0.505E-04*	110	236	0.394E-04*	119	48	0.241E-04*
88	327	0.772E-04*	101	80	0.499E-04*	110	466	0.394E-04*	119	45	0.241E-04*
88	326	0.772E-04*	101	81	0.499E-04*	110	162	0.394E-04*	119	52	0.241E-04*
88	328	0.772E-04*	102	330	0.489E-04*	110	468	0.394E-04*	119	46	0.241E-04*
88	323	0.772E-04*	102	326	0.489E-04*	110	470	0.394E-04*	120	427	0.208E-04*
89	178	0.717E-04*	103	188	0.486E-04*	110	474	0.394E-04*	120	409	0.208E-04*
89	182	0.717E-04*	103	219	0.486E-04*	110	169	0.394E-04*	121	195	0.203E-04*
89	174	0.717E-04*	104	520	0.486E-04*	111	6	0.368E-04*	121	225	0.203E-04*
89	180	0.717E-04*	104	518	0.486E-04*	111	5	0.368E-04*	121	247	0.203E-04*
89	171	0.717E-04*	104	560	0.486E-04*	111	10	0.368E-04*	121	251	0.203E-04*
89	164	0.717E-04*	104	562	0.486E-04*	111	14	0.368E-04*	121	226	0.203E-04*
90	405	0.702E-04*	105	201	0.469E-04*	112	34	0.335E-04*	121	249	0.203E-04*
90	401	0.702E-04*	105	230	0.469E-04*	112	40	0.335E-04*	121	255	0.203E-04*
90	402	0.702E-04*	106	521	0.466E-04*	112	35	0.335E-04*	121	108	0.203E-04*
90	403	0.702E-04*	106	522	0.466E-04*	112	37	0.335E-04*	121	245	0.203E-04*
90	397	0.702E-04*	106	309	0.466E-04*	113	232	0.331E-04*	121	113	0.203E-04*
90	400	0.702E-04*	106	310	0.466E-04*	113	263	0.331E-04*	121	193	0.203E-04*

91	567	0.660E-04*	107	185	0.454E-04*	113	114	0.331E-04*	121	95	0.203E-04*
92	485	0.645E-04*	107	184	0.454E-04*	113	264	0.331E-04*	121	194	0.203E-04*
92	481	0.645E-04*	107	316	0.454E-04*	113	121	0.331E-04*	121	100	0.203E-04*
92	484	0.645E-04*	107	315	0.454E-04*	113	206	0.331E-04*	121	253	0.203E-04*
93	199	0.636E-04*	108	408	0.444E-04*	113	260	0.331E-04*	121	224	0.203E-04*
93	228	0.636E-04*	108	529	0.444E-04*	114	480	0.311E-04*	122	26	0.195E-04*
93	563	0.633E-04*	108	531	0.444E-04*	114	478	0.311E-04*	122	24	0.195E-04*

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 32 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.14921E-04

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
122	23	0.195E-04*	126	544	0.168E-04*	128	259	0.160E-04*	143	252	0.884E-05*
122	30	0.195E-04*	126	420	0.168E-04*	128	257	0.160E-04*	143	250	0.884E-05*
123	64	0.189E-04*	126	464	0.168E-04*	129	434	0.155E-04*	143	246	0.884E-05*
123	57	0.189E-04*	126	461	0.168E-04*	129	416	0.155E-04*	143	248	0.884E-05*
124	318	0.185E-04*	126	399	0.168E-04*	130	369	0.140E-04*	143	107	0.884E-05*
124	321	0.185E-04*	126	340	0.168E-04*	130	370	0.140E-04*	143	99	0.884E-05*

125	367	0.172E-04*	127	239	0.164E-04*	131	479	0.136E-04*	143	254	0.884E-05*
125	209	0.172E-04*	127	288	0.164E-04*	131	477	0.136E-04*	143	94	0.884E-05*
125	363	0.172E-04*	127	97	0.164E-04*	132	332	0.135E-04*	143	112	0.884E-05*
125	357	0.172E-04*	127	286	0.164E-04*	132	331	0.135E-04*	143	244	0.884E-05*
125	276	0.172E-04*	127	243	0.164E-04*	133	549	0.133E-04*	143	7	0.884E-05*
125	469	0.172E-04*	127	129	0.164E-04*	133	554	0.133E-04*	143	4	0.884E-05*
125	235	0.172E-04*	127	218	0.164E-04*	134	141	0.130E-04*	144	431	0.865E-05*
125	475	0.172E-04*	127	302	0.164E-04*	134	140	0.130E-04*	144	412	0.865E-05*
125	278	0.172E-04*	127	110	0.164E-04*	135	62	0.122E-04*	144	366	0.865E-05*
125	161	0.172E-04*	127	300	0.164E-04*	135	55	0.122E-04*	144	449	0.865E-05*
125	465	0.172E-04*	127	89	0.164E-04*	136	336	0.118E-04*	144	362	0.865E-05*
125	467	0.172E-04*	127	104	0.164E-04*	136	338	0.118E-04*	144	446	0.865E-05*
125	471	0.172E-04*	127	298	0.164E-04*	136	335	0.118E-04*	144	448	0.865E-05*
125	353	0.172E-04*	127	290	0.164E-04*	136	337	0.118E-04*	144	356	0.865E-05*
125	168	0.172E-04*	127	306	0.164E-04*	137	159	0.110E-04*	144	352	0.865E-05*
125	473	0.172E-04*	127	91	0.164E-04*	137	166	0.110E-04*	144	447	0.865E-05*
125	280	0.172E-04*	127	139	0.164E-04*	138	283	0.109E-04*	144	413	0.865E-05*
125	274	0.172E-04*	127	93	0.164E-04*	138	284	0.109E-04*	144	414	0.865E-05*
126	534	0.168E-04*	127	308	0.164E-04*	139	496	0.107E-04*	144	430	0.865E-05*
126	536	0.168E-04*	127	292	0.164E-04*	139	498	0.107E-04*	144	445	0.865E-05*
126	533	0.168E-04*	127	131	0.164E-04*	140	66	0.985E-05*	144	432	0.865E-05*
126	535	0.168E-04*	127	241	0.164E-04*	140	59	0.985E-05*	144	450	0.865E-05*
126	546	0.168E-04*	127	304	0.164E-04*	140	69	0.985E-05*	145	43	0.803E-05*
126	543	0.168E-04*	127	216	0.164E-04*	140	72	0.985E-05*	145	44	0.803E-05*
126	547	0.168E-04*	127	294	0.164E-04*	140	73	0.985E-05*	145	47	0.803E-05*
126	545	0.168E-04*	127	214	0.164E-04*	141	333	0.946E-05*	145	51	0.803E-05*
126	462	0.168E-04*	127	135	0.164E-04*	141	334	0.946E-05*	145	190	0.803E-05*
126	463	0.168E-04*	127	102	0.164E-04*	142	177	0.896E-05*	145	220	0.803E-05*
126	438	0.168E-04*	127	106	0.164E-04*	142	173	0.896E-05*	145	221	0.803E-05*

126	548	0.168E-04*	127	137	0.164E-04*	142	176	0.896E-05*	145	189	0.803E-05*
126	339	0.168E-04*	127	296	0.164E-04*	142	163	0.896E-05*	145	16	0.803E-05*
126	396	0.168E-04*	127	133	0.164E-04*	142	170	0.896E-05*	145	222	0.803E-05*

********** SYSTEM RELIABILITY W/O DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 32 AND HIGHER

STEADY STATE CALCULATIONS

OP EVENT PROBABILITY = 0.14921E-04

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
145	191	0.803E-05*	147	101	0.717E-05*	147	242	0.717E-05*	148	499	0.702E-05*
145	33	0.803E-05*	147	291	0.717E-05*	147	134	0.717E-05*	148	500	0.702E-05*
145	111	0.803E-05*	147	238	0.717E-05*	147	307	0.717E-05*	148	502	0.702E-05*
145	98	0.803E-05*	147	295	0.717E-05*	148	508	0.702E-05*	148	359	0.702E-05*
146	198	0.795E-05*	147	130	0.717E-05*	148	381	0.702E-05*	148	503	0.702E-05*
146	227	0.795E-05*	147	138	0.717E-05*	148	350	0.702E-05*	148	377	0.702E-05*
147	18	0.717E-05*	147	287	0.717E-05*	148	361	0.702E-05*	148	505	0.702E-05*
147	9	0.717E-05*	147	132	0.717E-05*	148	378	0.702E-05*	148	442	0.702E-05*
147	15	0.717E-05*	147	289	0.717E-05*	148	382	0.702E-05*	148	443	0.702E-05*
147	8	0.717E-05*	147	213	0.717E-05*	148	506	0.702E-05*	148	444	0.702E-05*

147	11	0.717E-05*	147	88	0.717E-05*	148	380	0.702E-05*	148	509	0.702E-05*
147	285	0.717E-05*	147	293	0.717E-05*	148	426	0.702E-05*	148	511	0.702E-05*
147	109	0.717E-05*	147	136	0.717E-05*	148	349	0.702E-05*	148	514	0.702E-05*
147	92	0.717E-05*	147	215	0.717E-05*	148	365	0.702E-05*	148	512	0.702E-05*
147	128	0.717E-05*	147	240	0.717E-05*	148	351	0.702E-05*	148	360	0.702E-05*
147	297	0.717E-05*	147	303	0.717E-05*	148	379	0.702E-05*	149	256	0.698E-05*
147	217	0.717E-05*	147	305	0.717E-05*	148	424	0.702E-05*	149	258	0.698E-05*
147	90	0.717E-05*	147	299	0.717E-05*	148	425	0.702E-05*	150	451	0.684E-05*
147	96	0.717E-05*	147	103	0.717E-05*	148	355	0.702E-05*	150	456	0.684E-05*
147	105	0.717E-05*	147	301	0.717E-05*	148	515	0.702E-05*			

REFERENCE TABLE FOR MIN CUT SETS

ORDER	1	2	3	4	5	6	7	8
NO. OF MIN CUT SETS	0	2	1	51	262	215	47	2

NO. OF MIN CUT SETS = 580

CUT SET NO.	ORDER	BASIC EVENTS			
1	2	LFLOWDIV	LOOP		
2	2	LOOP	LTKCONDN		
3	3	LCV0124P	LCV0448P	LOOP	
4	4	CRV00030	LOOP	LPM0141M	LPM0504R
5	4	CRV00030	LOOP	LPM0141M	LPM0504S
6	4	CRV00030	LOOP	LPM0141M	UCB0603N
7	4	CRV00030	LOOP	LPM0141R	LPM0504M
8	4	CRV00030	LOOP	LPM0141R	LPM0504S
9	4	CRV00030	LOOP	LPM0141R	UCB0603N

10	4	CRV00030	LOOP	LPM0141S	LPM0504M
11	4	CRV00030	LOOP	LPM0141S	LPM0504R
12	4	CRV00030	LOOP	LPM0141S	UCB0603N
13	4	CRV00030	LOOP	LPM0141S	504/141S
14	4	CRV00030	LOOP	LPM0504M	UCB0404N
15	4	CRV00030	LOOP	LPM0504R	UCB0404N
16	4	CRV00030	LOOP	LPM0504S	UCB0404N
17	4	CRV00030	LOOP	UCB0404N	UCB0603N
18	4	EFAS1CCF	EFAS2CCF	KOP [illegible]	LOOP
19	4	LMV4716P	LOOP	LPM0141M	LPM0504R
20	4	LMV4716P	LOOP	LPM0141M	LPM0504S
21	4	LMV4716P	LOOP	LPM0141M	UCB0603N
22	4	LMV4716P	LOOP	LPM0141R	LPM0504M
23	4	LMV4716P	LOOP	LPM0141R	LPM0504S
24	4	LMV4716P	LOOP	LPM0141R	UCB0603N
25	4	LMV4716P	LOOP	LPM0141S	LPM0504M
26	4	LMV4716P	LOOP	LPM0141S	LPM0504R
27	4	LMV4716P	LOOP	LPM0141S	UCB0603N
28	4	LMV4716P	LOOP	LPM0141S	504/141S
29	4	LMV4716P	LOOP	LPM0504M	UCB0404N
30	4	LMV4716P	LOOP	LPM0504R	UCB0404N
31	4	LMV4716P	LOOP	LPM0504S	UCB0404N
32	4	LMV4716P	LOOP	UCB0404N	UCB0603N
33	4	LOOP	LOPORFIL	LPM0141M	LPM0504R
34	4	LOOP	LOPORFIL	LPM0141M	LPM0504S
35	4	LOOP	LOPORFIL	LPM0141M	UCB0603N
36	4	LOOP	LOPORFIL	LPM0141R	LPM0504M
37	4	LOOP	LOPORFIL	LPM0141S	LPM0504M
38	4	LOOP	LOPORFIL	LPM0141S	UCB0603N

39	4	LOOP	LOPORFIL	LPM0141S	504/141S	
40	4	LOOP	LOPORFIL	LPM0504M	UCB0404N	
41	4	LOOP	LOPORFIL	LPM0504S	UCB0404N	
42	4	LOOP	LOPORFIL	UCB0404N	UCB0603N	
43	4	LOOP	LPM0141M	LPM0504S	LPT0140R	
44	4	LOOP	LPM0141M	LPT0140R	UCB0603N	
45	4	LOOP	LPM0141R	LPM0504[illegible]	LPT0140M	
46	4	LOOP	LPM0141R	LPT0140M	UCB0603N	
47	4	LOOP	LPM0141S	LPM0504M	LPT0140R	
48	4	LOOP	LPM0141S	LPM0504R	LPT0140M	
49	4	LOOP	LPM0141S	LPT0140M	UCB0603N	
50	4	LOOP	LPM0141S	LPT0140M	504/141S	
51	4	LOOP	LPM0504M	LPT0140R	UCB0404N	
52	4	LOOP	LPM0504R	LPT0140M	UCB0404N	
53	4	LOOP	LPM0504S	LPT0140M	UCB0404N	
54	4	LOOP	LPT0140M	UCB0404N	UCB0603N	
55	5	CRV00030	LOOP	LPM0141M	NROSP51M	UCB0613N
56	5	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R
57	5	CRV00030	LOOP	LPM0141R	NROSP51M	UGE2G03M
58	5	CRV00030	LOOP	LPM0141R	NROSP51M	UGE2G03R
59	5	CRV00030	LOOP	LPM0141S	NROSP51M	UCB0413N
60	5	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03M
61	5	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R
62	5	CRV00030	LOOP	LPM0504M	NROSP51M	UCB0413N
63	5	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R
64	5	CRV00030	LOOP	LPM0504R	NROSP51M	UGE2G02M
65	5	CRV00030	LOOP	LPM0504R	NROSP51M	UGE2G02R
66	5	CRV00030	LOOP	LPM0504S	NROSP51M	UCB0413N
67	5	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02M

68	5	CRV0003O	LOOP	LPM0504S	NROSP51M	UGE2G02R
69	5	CRV0003O	LOOP	NROSP51M	UCB0404N	UCB0613N
70	5	CRV0003O	LOOP	NROSP51M	UCB0404N	UGE2G03M
71	5	CRV0003O	LOOP	NROSP51M	UCB0404N	UGE2G03R
72	5	CRV0003O	LOOP	NROSP51M	UCB0413N	UCB0603N
73	5	CRV0003O	LOOP	NROSP51M	UCB0413N	UCB0613N
74	5	CRV0003O	LOOP	NROSP51M	UCB0413N	UGE2G03M
75	5	CRV0003O	LOOP	NROSP51M	UCB0413N	UGE2G03R
76	5	CRV0003O	LOOP	NROSP51M	UCB0603N	UGE2G02M
77	5	CRV0003O	LOOP	NROSP51M	UCB0603N	UGE2G02R
78	5	CRV0003O	LOOP	NROSP51M	UCB0613N	UGE2G02M
79	5	CRV0003O	LOOP	NROSP51M	UCB0613N	UGE2G02R
80	5	CRV0003O	LOOP	NROSP51M	UGE2G02M	U2G0351M
81	5	CRV0003O	LOOP	NROSP51M	UGE2G03M	U2G0251M
82	5	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0
83	5	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0
84	5	JIVTHIGH	LOOP	NROSP4.0	U2G024.0	2/14.0
85	5	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	U2G037.5
86	5	JIVTLOW	LOOP	NROSP7.5	UGE2G03M	U2G027.5
87	5	JIVTLOW	LOOP	NROSP7.5	U2G027.5	2/17.5
88	5	LCV0124P	LMV4705P	LOOP	NROSP51M	UGE2G03M
89	5	LCV0124P	LMV4705P	LOOP	NROSP51M	UGE2G03R
90	5	LCV0124P	LMV4716P	LOOP	NROSP51M	UGE2G03M
91	5	LCV0124P	LMV4716P	LOOP	NROSP51M	UGE2G03R
92	5	LCV0124P	LMV4730P	LOOP	NROSP51M	UGE2G03M
93	5	LCV0124P	LMV4730P	LOOP	NROSP51M	UGE2G03R
94	5	LCV0124P	LOOP	LPT0140M	NROSP51M	UGE2G03M
95	5	LCV0124P	LOOP	LPT0140M	NROSP51M	UGE2G03R
96	5	LCV0126P	LMV4716P	LOOP	NROSP51M	UGE2G03M

97	5	LCV0126P	LMV4716P	LOOP	NROSP51M	UGE2G03R
98	5	LCV0126P	LOOP	LPM0504M	LPT0140S	LPT0140Y
99	5	LCV0126P	LOOP	LPT0140M	NROSP51M	UGE2G03M
100	5	LCV0126P	LOOP	LPT0140M	NROSP51M	UGE2G03R
101	5	LCV0448P	LMV4706P	LOOP	NROSP51M	UGE2G02M
102	5	LCV0448P	LMV4706P	LOOP	NROSP51M	UGE2G02R
103	5	LCV0448P	LMV4715P	LOOP	NROSP51M	UGE2G02M
104	5	LCV0448P	LMV4715P	LOOP	NROSP51M	UGE2G02R
105	5	LCV0448P	LMV4716P	LOOP	NROSP51M	UGE2G02M
106	5	LCV0448P	LMV4716P	LOOP	NROSP51M	UGE2G02R
107	5	LCV0448P	LOOP	LPT0140M	NROSP51M	UGE2G02M
108	5	LCV0448P	LOOP	LPT0140M	NROSP51M	UGE2G02R
109	5	LCV0532P	LMV4716P	LOOP	NROSP51M	UGE2G02M
110	5	LCV0532P	LMV4716P	LOOP	NROSP51M	UGE2G02R
111	5	LCV0532P	LOOP	LPM0141M	LPT0140S	LPT0140Y
112	5	LCV0532P	LOOP	LPT0140M	NROSP51M	UGE2G02M
113	5	LCV0532P	LOOP	LPT0140M	NROSP51M	UGE2G02R
114	5	LMV4716P	LOOP	LPM0141M	NROSP51M	UCB0613N
115	5	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R
116	5	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03M
117	5	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R
118	5	LMV4716P	LOOP	LPM0141S	NROSP51M	UCB0613N
119	5	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03M
120	5	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R
121	5	LMV4716P	LOOP	LPM0504M	NROSP51M	UCB0413N
122	5	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R
123	5	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M
124	5	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R
125	5	LMV4716P	LOOP	LPM0504S	NROSP51M	UCB0413N

126	5	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M
127	5	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R
128	5	LMV4716P	LOOP	LXV0127X	NROSP51M	UGE2G03M
129	5	LMV4716P	LOOP	LXV0127X	NROSP51M	UGE2G03R
130	5	LMV4716P	LOOP	LXV0469X	NROSP51M	UGE2G03M
131	5	LMV4716P	LOOP	LXV0469X	NROSP51M	UGE2G03R
132	5	LMV4716P	LOOP	LXV0533X	NROSP51M	UGE2G02M
133	5	LMV4716P	LOOP	LXV0533X	NROSP51M	UGE2G02R
134	5	LMV4716P	LOOP	LXV0538X	NROSP51M	UGE2G02M
135	5	LMV4716P	LOOP	LXV0538X	NROSP51M	UGE2G02R
136	5	LMV4716P	LOOP	LXV0542X	NROSP51M	UGE2G02M
137	5	LMV4716P	LOOP	LXV0542X	NROSP51M	UGE2G02R
138	5	LMV4716P	LOOP	LXV471AX	NROSP51M	UGE2G03M
139	5	LMV4716P	LOOP	LXV471AX	NROSP51M	UGE2G03R
140	5	LMV4716P	LOOP	NROSP51M	UCAG002A	UGE2G03R
141	5	LMV4716P	LOOP	NROSP51M	UCAG003A	UGE2G02R
142	5	LMV4716P	LOOP	NROSP51M	UCB0404N	UCB0613N
143	5	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03M
144	5	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R
145	5	LMV4716P	LOOP	NROSP51M	UCB0413N	UCB0603N
146	5	LMV4716P	LOOP	NROSP51M	UCB0413N	UCB0613N
147	5	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE2G03M
148	5	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE2G03R
149	5	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M
150	5	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R
151	5	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02M
152	5	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02R
153	5	LMV4716P	LOOP	NROSP51M	UGE2G02M	U2G0351M
154	5	LMV4716P	LOOP	NROSP51M	UGE2G03M	U2G0251M

155	5	LMV4716P	LOOP	NROSP51M	U2G0251M	2/151M
156	5	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G0390M
157	5	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G0290M
158	5	LOOP	LOPMDISC	NROSP90M	U2G0290M	2/190M
159	5	LOOP	LOPORFIL	LPM0141M	NROSP51M	UCB0613N
160	5	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R
161	5	LOOP	LOPORFIL	LPM0141R	NROSP51M	UGE2G03M
162	5	LOOP	LOPORFIL	LPM0141R	NROSP51M	UGE2G03R
163	5	LOOP	LOPORFIL	LPM0141S	NROSP51M	UCB0613N
164	5	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03M
165	5	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R
166	5	LOOP	LOPORFIL	LPM0504M	NROSP51M	UCB0413N
167	5	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R
168	5	LOOP	LOPORFIL	LPM0504R	NROSP51M	UGE2G02M
169	5	LOOP	LOPORFIL	LPM0504R	NROSP51M	UGE2G02R
170	5	LOOP	LOPORFIL	LPM0504S	NROSP51M	UCB0413N
171	5	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M
172	5	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R
173	5	LOOP	LOPORFIL	NROSP51M	UCB0404N	UCB0613N
174	5	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03M
175	5	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R
176	5	LOOP	LOPORFIL	NROSP51M	UCB0413N	UCB0603N
177	5	LOOP	LOPORFIL	NROSP51M	UCB0413N	UCB0613N
178	5	LOOP	LOPORFIL	NROSP51M	UCB0413N	UGE2G03M
179	5	LOOP	LOPORFIL	NROSP51M	UCB0413N	UGE2G03R
180	5	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M
181	5	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R
182	5	LOOP	LOPORFIL	NROSP51M	UCB0613N	UGE2G02M
183	5	LOOP	LOPORFIL	NROSP51M	UCB0613N	UGE2G02R

184	5	LOOP	LOPORFIL	NROSP51M	UGE2G02M	U2G0351M
185	5	LOOP	LOPORFIL	NROSP51M	UGE2G03M	U2G0251M
186	5	LOOP	LPM0141M	LPM0504R	LPT0140S	LPT0140Y
187	5	LOOP	LPM0141M	LPM0504S	LPT0140Y	140/504S
188	5	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03R
189	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0533X
190	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0538X
191	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV9542X
192	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	UCB0603N
193	5	LOOP	LPM0141M	LXV0122X	NROSP51M	UGE2G03R
194	5	LOOP	LPM0141M	LXV0468X	NROSP51M	UGE2G03R
195	5	LOOP	LPM0141M	LXV0471X	NROSP51M	UGE2G03R
196	5	LOOP	LPM0141R	LPM0504M	LPT0140S	LPT0140Y
197	5	LOOP	LPM0141R	LPM0504S	LPT0140Y	140/504S
198	5	LOOP	LPM0141R	LPT0140M	NROSP51M	UCB0613N
199	5	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03M
200	5	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R
201	5	LOOP	LPM0141R	LPT0140S	LPT0140Y	UCB0603N
202	5	LOOP	LPM0141R	LPT0140S	LPT0140Y	504/141R
203	5	LOOP	LPM0141R	NROSP51M	UGE2G03R	140/141R
204	5	LOOP	LPM0141S	LPM0504M	LPT0140Y	140/141S
205	5	LOOP	LPM0141S	LPM0504R	LPT0140Y	140/141S
206	5	LOOP	LPM0141S	LPT0140M	NROSP51M	UCB0613N
207	5	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03M
208	5	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R
209	5	LOOP	LPM0141S	LPT0140R	NROSP51M	UGE2G03M
210	5	LOOP	LPM0141S	LPT0140R	NROSP51M	UGE2G03R
211	5	LOOP	LPM0141S	LPT0140Y	UCB0603N	140/141S
212	5	LOOP	LPM0141S	LPT0140Y	140/MDSS	504/141S

213	5	LOOP	LPM0141S	LXV0122X	NROSP51M	UGE2G03M
214	5	LOOP	LPM0141S	LXV0122X	NROSP51M	UGE2G03R
215	5	LOOP	LPM0141S	LXV0468X	NROSP51M	UGE2G03M
216	5	LOOP	LPM0141S	LXV0468X	NROSP51M	UGE2G03R
217	5	LOOP	LPM0141S	LXV0471X	NROSP51M	UGE2G03M
218	5	LOOP	LPM0141S	LXV0471X	NROSP51M	UGE2G03R
219	5	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02R
220	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0127X
221	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0469X
222	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV471AX
223	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	UCB0404N
224	5	LOOP	LPM0504M	LXV0122X	NROSP51M	UGE2G02R
225	5	LOOP	LPM0504M	LXV0468X	NROSP51M	UGE2G02R
226	5	LOOP	LPM0504M	LXV0471X	NROSP51M	UGE2G02R
227	5	LOOP	LPM0504R	LPT0140M	NROSP51M	UCB0413N
228	5	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M
229	5	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R
230	5	LOOP	LPM0504R	LPT0140S	LPT0140Y	UCB0404N
231	5	LOOP	LPM0504R	NROSP51M	UGE2G02R	140/504R
232	5	LOOP	LPM0504S	LPT0140M	NROSP51M	UCB0413N
233	5	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M
234	5	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R
235	5	LOOP	LPM0504S	LPT0140R	NROSP51M	UGE2G02M
236	5	LOOP	LPM0504S	LPT0140R	NROSP51M	UGE2G02R
237	5	LOOP	LPM0504S	LPT0140Y	UCB0404N	140/504S
238	5	LOOP	LPM0504S	LXV0122X	NROSP51M	UGE2G02M
239	5	LOOP	LPM0504S	LXV0122X	NROSP51M	UGE2G02R
240	5	LOOP	LPM0504S	LXV0468X	NROSP51M	UGE2G02M
241	5	LOOP	LPM0504S	LXV0468X	NROSP51M	UGE2G02R

242	5	LOOP	LPM0504S	LXV0471X	NROSP51M	UGE2G02M
243	5	LOOP	LPM0504S	LXV0471X	NROSP51M	UGE2G02R
244	5	LOOP	LPT0140M	LXV0127X	NROSP51M	UGE2G03M
245	5	LOOP	LPT0140M	LXV0127X	NROSP51M	UGE2G03R
246	5	LOOP	LPT0140M	LXV0469X	NROSP51M	UGE2G03M
247	5	LOOP	LPT0140M	LXV0469X	NROSP51M	UGE2G03R
248	5	LOOP	LPT0140M	LXV0533X	NROSP51M	UGE2G02M
249	5	LOOP	LPT0140M	LXV053□X	NROSP51M	UGE2G02R
250	5	LOOP	LPT0140M	LXV0538X	NROSP51M	UGE2G02M
251	5	LOOP	LPT0140M	LXV0538X	NROSP51M	UGE2G02R
252	5	LOOP	LPT0140M	LXV0542X	NROSP51M	UGE2G02M
253	5	LOOP	LPT0140M	LXV0542X	NROSP51M	UGE2G02R
254	5	LOOP	LPT0140M	LXV471AX	NROSP51M	UGE2G03M
255	5	LOOP	LPT0140M	LXV471AX	NROSP51M	UGE2G03R
256	5	LOOP	LPT0140M	NROSP51M	UCAG002A	UGE2G03M
257	5	LOOP	LPT0140M	NROSP51M	UCAG002A	UGE2G03R
258	5	LOOP	LPT0140M	NROSP51M	UCAG003A	UGE2G02M
259	5	LOOP	LPT0140M	NROSP51M	UCAG003A	UGE2G02R
260	5	LOOP	LPT0140M	NROSP51M	UCB0404N	UCB0613N
261	5	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03M
262	5	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R
263	5	LOOP	LPT0140M	NROSP51M	UCB0413N	UCB0603N
264	5	LOOP	LPT0140M	NROSP51M	UCB0413N	UCB0613N
265	5	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03M
266	5	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03R
267	5	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02M
268	5	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R
269	5	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M
270	5	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02R

271	5	LOOP	LPT0140M	NROSP51M	UGE2G02M	U2G0351M
272	5	LOOP	LPT0140M	NROSP51M	UGE2G03M	U2G0251M
273	5	LOOP	LPT0140M	NROSP51M	U2G0251M	2/151M
274	5	LOOP	LPT0140R	NROSP51M	UCB0404N	UGE2G03M
275	5	LOOP	LPT0140R	NROSP51M	UCB0404N	UGE2G03R
276	5	LOOP	LPT0140R	NROSP51M	UCB0413N	UGE2G03M
277	5	LOOP	LPT0140R	NROSP51M	UCB0413N	UGE2G03R
278	5	LOOP	LPT0140R	NROSP51M	UCB0603N	UGE2G02M
279	5	LOOP	LPT0140R	NROSP51M	UCB0603N	UGE2G02R
280	5	LOOP	LPT0140R	NROSP51M	UCB0613N	UGE2G02M
281	5	LOOP	LPT0140R	NROSP51M	UCB0613N	UGE2G02R
282	5	LOOP	LPT0140S	LPT0140Y	UCB0404N	UCB0603N
283	5	LOOP	LPY0140R	NROSP51M	UGE2G02M	U2G0351M
284	5	LOOP	LPY0140R	NROSP51M	UGE2G03M	U2G0251M
285	5	LOOP	LXV0122X	NROSP51M	UCB0404N	UGE2G03M
286	5	LOOP	LXV0122X	NROSP51M	UCB0404N	UGE2G03R
287	5	LOOP	LXV0122X	NROSP51M	UCB0413N	UGE2G03M
288	5	LOOP	LXV0122X	NROSP51M	UCB0413N	UGE2G03R
289	5	LOOP	LXV0122X	NROSP51M	UCB0603N	UGE2G02M
290	5	LOOP	LXV0122X	NROSP51M	UCB0603N	UGE2G02R
291	5	LOOP	LXV0122X	NROSP51M	UCB0613N	UGE2G02M
292	5	LOOP	LXV0122X	NROSP51M	UCB0613N	UGE2G02R
293	5	LOOP	LXV0468X	NROSP51M	UCB0404N	UGE2G03M
294	5	LOOP	LXV0468X	NROSP51M	UCB0404N	UGE2G03R
295	5	LOOP	LXV0468X	NROSP51M	UCB0413N	UGE2G03M
296	5	LOOP	LXV0468X	NROSP51M	UCB0413N	UGE2G03R
297	5	LOOP	LXV0468X	NROSP51M	UCB0603N	UGE2G02M
298	5	LOOP	LXV0468X	NROSP51M	UCB0603N	UGE2G02R
299	5	LOOP	LXV0468X	NROSP51M	UCB0613N	UGE2G02M

300	5	LOOP	LXV0468X	NROSP51M	UCB0613N	UGE2G02R	
301	5	LOOP	LXV0471X	NROSP51M	UCB0404N	UGE2G03M	
302	5	LOOP	LXV0471X	NROSP51M	UCB0404N	UGE2G03R	
303	5	LOOP	LXV0471X	NROSP51M	UCB0413N	UGE2G03M	
304	5	LOOP	LXV0471X	NROSP51M	UCB0413N	UGE2G03R	
305	5	LOOP	LXV0471X	NROSP51M	UCB0603N	UGE2G02M	
306	5	LOOP	LXV0471X	NROSP51M	UCB0603N	UGE2G02R	
307	5	LOOP	LXV0471X	NROSP51M	UCB0613N	UGE2G02M	
308	5	LOOP	LXV0471X	NROSP51M	UCB0613N	UGE2G02R	
309	5	LOOP	NROSP2.0	SEALWISO	UGE2G02M	U2G032.0	
310	5	LOOP	NROSP2.0	SEALWISO	UGE2G03M	U2G022.0	
311	5	LOOP	NROSP2.0	SEALWISO	U2G022.0	2/12.0	
312	5	LOOP	NROSP3.0	UGE2G02M	UOPLSHED	U2G033.0	
313	5	LOOP	NROSP3.0	UGE2G03M	UOPLSHED	U2G023.0	
314	5	LOOP	NROSP3.0	UOPLSHED	U2G023.0	2/13.0	
315	5	LOOP	NROSP51M	SEALFAIL	UGE2G02M	U2G0351M	
316	5	LOOP	NROSP51M	SEALFAIL	UGE2G03M	U2G0251M	
317	6	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
318	6	CRV00030	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
319	6	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
320	6	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
321	6	CRV00030	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
322	6	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
323	6	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
324	6	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
325	6	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
326	6	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
327	6	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
328	6	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0413N	UGE2G03S

329	6	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
330	6	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
331	6	IBEB009H	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
332	6	IBEB009H	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
333	6	IBYB007H	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
334	6	IBYB008H	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
335	6	ICB1D103	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
336	6	ICB1F101	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
337	6	ICB2D203	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
338	6	ICB2P101	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
339	6	ICB3P106	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
340	6	ICB3P106	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
341	6	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M
342	6	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G034.0
343	6	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S
344	6	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G024.0
345	6	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M
346	6	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5
347	6	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S
348	6	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5
349	6	LCV0124P	LMV4705P	LOOP	NROSP51M	NR2D351M	UGE2G03S
350	6	LCV0124P	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S
351	6	LCV0124P	LMV4730P	LOOP	NROSP51M	NR2D351M	UGE2G03S
352	6	LCV0124P	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
353	6	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
354	6	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
355	6	LCV0126P	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S
356	6	LCV0126P	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
357	6	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M

358	6	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
359	6	LCV0448P	LMV4706P	LOOP	NROSP51M	NR2D251M	UGE2G02S
360	6	LCV0448P	LMV4715P	LOOP	NROSP51M	NR2D251M	UGE2G02S
361	6	LCV0448P	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S
362	6	LCV0448P	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
363	6	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
364	6	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
365	6	LCV0532P	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S
366	6	LCV0532P	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
367	6	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
368	6	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02P
369	6	LMV4716M	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
370	6	LMV4716M	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
371	6	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
372	6	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
373	6	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
374	6	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
375	6	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
376	6	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
377	6	LMV4716P	LOOP	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
378	6	LMV4716P	LOOP	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
379	6	LMV4716P	LOOP	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
380	6	LMV4716P	LOOP	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
381	6	LMV4716P	LOOP	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
382	6	LMV4716P	LOOP	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
383	6	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
384	6	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
385	6	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
386	6	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	U2G0351M

387	6	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
388	6	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
389	6	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
390	6	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
391	6	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M
392	6	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G0390M
393	6	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S
394	6	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G0290M
395	6	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S
396	6	LOOP	LOPORFIL	LPM0141R	NROSP51M	NR2D351M	UGE2G03S
397	6	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S
398	6	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02S
399	6	LOOP	LOPORFIL	LPM0504R	NROSP51M	NR2D251M	UGE2G02S
400	6	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2D251M	UGE2G02S
401	6	LOOP	LOPORFIL	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
402	6	LOOP	LOPORFIL	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
403	6	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
404	6	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
405	6	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
406	6	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
407	6	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
408	6	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
409	6	LOOP	LPM0141M	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
410	6	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
411	6	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
412	6	LOOP	LPM0141M	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
413	6	LOOP	LPM0141M	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
414	6	LOOP	LPM0141M	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
415	6	LOOP	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G03S

416	6	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UCB0613N
417	6	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M
418	6	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
419	6	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D35.Y	UGE2G03S
420	6	LOOP	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
421	6	LOOP	LPM0141S	LPT0140Y	NROSP51M	UCB0613N	140/141S
422	6	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03M	140/141S
423	6	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03R	140/141S
424	6	LOOP	LPM0141S	LXV0122X	NROSP51M	NR2D351M	UGE2G03S
425	6	LOOP	LPM0141S	LXV0468X	NROSP51M	NR2D351M	UGE2G03S
426	6	LOOP	LPM0141S	LXV0471X	NROSP51M	NR2D351M	UGE2G03S
427	6	LOOP	LPM0504M	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
428	6	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
429	6	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
430	6	LOOP	LPM0504M	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
431	6	LOOP	LPM0504M	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
432	6	LOOP	LPM0504M	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
433	6	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
434	6	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UCB0413N
435	6	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M
436	6	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
437	6	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
438	6	LOOP	LPM0504S	LPT0140R	NROSP51M	NR2D25.M	UGE2G02S
439	6	LOOP	LPM0504S	LPT0140Y	NROSP51M	UCB0413N	140/504S
440	6	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02M	140/504S
441	6	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02R	140/504S
442	6	LOOP	LPM0504S	LXV0122X	NROSP51M	NR2D251M	UGE2G02S
443	6	LOOP	LPM0504S	LXV0468X	NROSP51M	NR2D251M	UGE2G02S
444	6	LOOP	LPM0504S	LXV0471X	NROSP51M	NR2D251M	UGE2G02S

445	6	LOOP	LPT0140M	LXV0127X	NROSP51M	NR2D35[illegible]	GE2G03S
446	6	LOOP	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
447	6	LOOP	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
448	6	LOOP	LPT0140M	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
449	6	LOOP	LPT0140M	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
450	6	LOOP	LPT0140M	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
451	6	LOOP	LPT0140M	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
452	6	LOOP	LPT0140M	NROSP51M	NR2D25[illegible]M	UCB0603N	UGE2G02S
453	6	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
454	6	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
455	6	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
456	6	LOOP	LPT0140M	NROSP51M	NR2D351M	UCAG003A	UGE2G03S
457	6	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
458	6	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
459	6	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
460	6	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
461	6	LOOP	LPT0140R	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
462	6	LOOP	LPT0140R	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
463	6	LOOP	LPT0140R	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
464	6	LOOP	LPT0140R	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
465	6	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03M
466	6	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE2G03R
467	6	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03M
468	6	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE2G03R
469	6	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02M
470	6	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02R
471	6	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02M
472	6	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02R
473	6	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02M

474	6	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02R
475	6	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03M
476	6	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE2G03R
477	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03M
478	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG002A	UGE2G03R
479	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02M
480	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCAG003A	UGE2G02R
481	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N
482	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03M
483	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R
484	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N
485	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0613N
486	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03M
487	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
488	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M
489	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R
490	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M
491	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
492	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	U2G0351M
493	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	U2G0251M
494	6	LOOP	LPT0140S	LPT0140Y	NROSP51M	U2G0251M	2/151M
495	6	LOOP	LPY0140R	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
496	6	LOOP	LPY0140R	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
497	6	LOOP	LPY0140R	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
498	6	LOOP	LPY0140R	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
499	6	LOOP	LXV0122X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
500	6	LOOP	LXV0122X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
501	6	LOOP	LXV0122X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
502	6	LOOP	LXV0122X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S

503	6	LOOP	LXV0122X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
504	6	LOOP	LXV0122X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
505	6	LOOP	LXV0468X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
506	6	LOOP	LXV0468X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
507	6	LOOP	LXV0468X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
508	6	LOOP	LXV0468X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
509	6	LOOP	LXV0468X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
510	6	LOOP	LXV0468X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
511	6	LOOP	LXV0471X	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
512	6	LOOP	LXV0471X	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
513	6	LOOP	LXV0471X	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
514	6	LOOP	LXV0471X	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
515	6	LOOP	LXV0471X	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
516	6	LOOP	LXV0471X	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
517	6	LOOP	NROSP2.0	NR2D22.0	SEALWISO	UGE2G02S	UGE2G03M
518	6	LOOP	NROSP2.0	NR2D22.0	SEALWISO	UGE2G02S	U2G032.0
519	6	LOOP	NROSP2.0	NR2D32.0	SEALWISO	UGE2G02M	UGE2G03S
520	6	LOOP	NROSP2.0	NR2D32.0	SEALWISO	UGE2G03S	U2G022.0
521	6	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	U2G032.0	ZCSEALOP
522	6	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	U2G022.0	ZCSEALOP
523	6	LOOP	NROSP2.0	RCPFAIL	U2G022.0	ZCSEALOP	2/12.0
524	6	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UOPLSHED
525	6	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UOPLSHED	U2G033.0
526	6	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UOPLSHED
527	6	LOOP	NROSP3.0	NR2D33.0	UGE2G03S	UOPLSHED	U2G023.0
528	6	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M
529	6	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	U2G0351M
530	6	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S
531	6	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	U2G0251M

532	7	CRV0003O	DG2/1S	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S
533	7	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
534	7	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
535	7	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
536	7	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
537	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
538	7	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
539	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	140/141S
540	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
541	7	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
542	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	140/504S
543	7	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
544	7	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
545	7	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
546	7	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	NR2D251M	UGE2G02S
547	7	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	NR2D251M	UGE2G02S
548	7	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	NR2D351M	UGE2G03S
549	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCAG003A	UGE2G02S
550	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
551	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N	UGE2G02S
552	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M
553	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	U2G0351M
554	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCAG002A	UGE2G03S
555	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
556	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0413N	UGE2G03S
557	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S
558	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	U2G0251M
559	7	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE2G03M	ZCSEALOP
560	7	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	U2G032.0	ZCSEALOP

561	7	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03S	ZCSEALOP	
562	7	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G03S	U2G022.0	ZCSEALOP	
563	7	DG2/1S	IBEB009H	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
564	7	DG2/1S	ICB3P106	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
565	7	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	
566	7	DG2/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	
567	7	DG2/1S	LMV4716M	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
568	7	DG2/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
569	7	DG2/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	
570	7	DG2/1S	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
571	7	DG2/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
572	7	DG2/1S	LOOP	LPY0140R	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
573	7	DG2/1S	LOOP	LXV0122X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
574	7	DG2/1S	LOOP	LXV0468X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
575	7	DG2/1S	LOOP	LXV0471X	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	
576	7	DG2/1S	LOOP	NROSP2.0	NR2D22.0	NR2D32.0	SEALWISO	UGE2G02S	
577	7	DG2/1S	LOOP	NROSP3.0	NR2D23.0	NR2D33.0	UGE2G02S	UOPLSHED	
578	7	DG2/1S	LOOP	NROSP51M	NR2D251M	NR2D351M	SEALFAIL	UGE2G02S	
579	8	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S
580	8	DG2/1S	LOOP	NROSP2.0	NR2D22.0	NR2D32.0	RCPFAIL	UGE2G02S	ZCSEALOP

MONTE CARLO SIMULATION RESULTS (= 1000 TRIALS)

INDEX OF SORTED VALUE	10	50	100	500	900	950	990
CONFIDENCE LEVEL IN PER CENT	(98)	(90)	(80)		(80)	(90)	(98)
PERCENTILE	1	5	10	50	90	95	99

MEAN FROM IMPORTANCE/ COMPUTED MEAN

PROB OF TOP EVENT 0.149E-04/ 0.564E-05 0.167E-06 0.325E-06 0.474E-06 0.234E-05 0.118E-04 0.219E-04 0.469E-04

0.798E-06 0.692E-05

SYSTEM RELIABILITY W/O DG CROSS-TIE

MONTE CARLO SIMULATION RESULTS (1000 TRIALS)

INDEX OF SORTED VALUE	10	50	100	500	900	950	990
CONFIDENCE LEVEL IN PER CENT	(98)	(90)	(80)		(80)	(90)	(98)
PERCENTILE	1	5	10	50	90	95	99

MEAN FROM IMPORTANCE/ COMPUTED MEAN

PROB OF TOP EVENT 0.144E-04/ 0.564E-05 0.167E-06 0.326E-06 0.574E-06 0.234E-05 0.118E-04 0.219E-04 0.469E-04

0.798E-06 0.692E-05

RELY TREE ANALYSIS PROGRAM VERSION ONE MOD ONE OPERATIONS RESEARCH CENTER / U C BERKELEY

AULT TREE INPUT

I-07-01	*	I-07-02	IBSD1P1H	
I-07-02	*	IBYB007H	I-07-03	
I-07-03	*	IBCB001H	ICA48BYH	U-04-01
I-08-01	*	I-08-02	IBSD2P2H	
I-08-02	*	IBZB008H	I-08-03	
I-08-03	*	IBCB002H	ICA48BZH	U-06-01
I-09-01	*	I-09-02	IBSD3P1H	
I-09-02	*	IBEB009H	I-09-03	
I-09-03	*	IBCB003H	ICA48BEH	U-03-01
I-10-01	*	I-10-02	IBSD4P1H	
I-10-02	*	IBJB010H	I-10-03	
I-10-03	*	IBCB004H	ICA48BJH	U-05-01
I-11-01	*	IIV0001X	I-07-01	
I-12-01	*	IIV0002X	I-08-01	
KE-01-01	*	KOPEFAS	KE-01-05	
KE-01-02	*	KOPEFAS	KE-01-06	
KE-01-03	*	KOPEFAS	KE-01-07	
KE-01-04	*	KOPEFAS	KE-01-08	
KE-01-05	*	KEFAS1A	EFAS1CCF	
KE-01-06	*	EFAS2CCF	KEFAS2A	
KE-01-07	*	KEFAS1B	EFAS1CCF	
KE-01-08	*	EFAS2CCF	KEFAS2B	
KL-01-01	*	KLOV1	KLOPBUV	
KL-01-02	*	KLOPBUV	KLOV2	

KL-01-03	*	KLOPBUV	KLOV3	
KL-01-04	*	KLOV4	KLOPBUV	
L-01-02	+	LFLOWDIV	L-01-03	
L-01-[illegible]	+	LCV0124P	L-01-04	
L-01-04	*	L-01-05	L-01-06	
L-01-05	+	L-11A-01	L-03-01	
L-[illegible]-06	+	L-11B-01	L-03-01	
L-02-01	+	LFLOWDIV	L-02-02	
L-02-02	+	LCV0448P	L-02-03	
L-02-03	*	L-02-04	L-02-05	
L-02-04	+	L-11C-01	L-04-01	
L-02-05	+	L-11D-01	L-04-01	
L-03-01	+	L-03-02	L-03-03	L-03-04
L-03-02	*	L-03-05	L-05-01	L-12-01
L-03-03	*	L-09-01	LCV0121F	
L-03-04	*	L-8A-01	LCV0126F	
L-03-05	+	LXV0133X	L-03-09	
L-03-09	+	L-11F-01	L-03-12	
L-03-10	+	LCV0126P	L-03-13	
L-03-12	+	LXV0131X	L-03A-01	
L-03-13	+	L-8A-01	L-06-01	
L-03A-01	*	L-03A-02	L-03A-03	
L-03A-02	+	LXV0[illegible]X	03-10	
L-03A-03	+	L-04[illegible]	PCROSV	
L-04-01	+	L-04-02	L-04-03	L-04-04
L-04-02	*	L-04-05	L-07-01	L-12-05
L-04-03	*	L-09-01	LCV0547F	
L-04-04	*	L-8B-01	LCV0532F	
L-04-05	+	LXV0130X	L-04-09	

L-04-09	+	L-11I-01	L-04-12		
L-04-10	+	LCV0532P	L-04-13		
L-04-12	+	LXV0128X	L-04A-01		
L-04-13	+	L-8B-01	L-06-05		
L-04A-01	=	L-04A-02	L-04A-03		
L-04A-02	+	LXV0533X	L-04-10		
L-04A-03	+	L-03A-02	LOPCROSV		
L-05-01	+	L-05-02	LXV0125X		
L-05-02	+	L-11G-01	L-05-04		
L-05-04	+	LXV0123X	L-05-05		
L-05-05	+	LCV0121P	L-05-06		
L-05-06	+	LXV0122X	L-05-07		
L-05-07	+	L-09-01	L-06-03		
L-06-01	+	LXV0469X	L-06-02		
L-06-02	+	LXV471AX	LTKCONDH		
L-06-03	+	LXV0468X	L-06-04		
L-06-04	+	LXV0471X	LTKCONDH		
L-06-05	+	LXV0538X	L-06-06		
L-06-06	+	LXV0542X	LTKCONDH		
L-07-01	+	L-07-02	LXV0134X		
L-07-02	+	L-11H-01	L-07-04		
L-07-04	+	LXV0136X	L-07-05		
L-07-05	+	LCV0547P	L-05-06		
L-09-01	+	L-09-02	LPT0140M	LPT0140R	L-09-05
L-09-02	+	CRV0003O	L-09-04	LOPORFIL	
L-09-04	+	L-10-01	L-09-07		
L-09-05	=	LPT0140S	LPT0140Y		
L-09-07	+	L-11E-01	I-09-01		
L-10-01	=	L-10-02	L-10-03		

L-10-02	+	LAV8202Q	LCV0005P				
L-10-03	+	LCV0003P	LAV8201Q				
L-11A-01	+	LMV4715M	LMV4715P	KE-01-03	ICB2D205	I-08-01	
L-11B-01	+	U-03-01	UCB8E36O	KE-01-01	LMV4731P	LMV4731M	LSV4731P
L-11C-01	+	I-07-01	ICB2D105	KE-01-02	LMV4730P	LMV4730M	
L-11D-01	+	LMV4714M	LMV4714P	KE-01-04	UCB8Z21O	U-06-01	LSV4714P
L-11E-01	+	I-09-01	ICB3P106	LMV4716P	LMV4716M	L-11E-02	
L-11E-02	=	KE-01-03	KE-01-02				
L-11F-01	+	U-03-01	UCB8E06O	KE-01-01	LMV4713P	LMV4713M	LMV4713R
L-11G-01	+	LMV4706M	LMV4706P	KE-01-03	ICB2D205	I-08-01	LMV4706R
L-11H-01	+	I-07-01	ICB2D105	KE-01-02	LMV4705P	LMV4705M	LMV4705R
L-11I-01	+	U-06-01	UCB8Z04O	KE-01-04	LMV4712P	LMV4712M	LMV4712R
L-12-01	+	LXV0153X	L-12-02				
L-12-02	+	L-12-03	LOP4763X	L-12-04			
L-12-03	+	LXV0154X	L-12-09				
L-12-04	+	LMV4763P	LMV4763M	U-06A-01	UCB8RA05	I-11-01	ICBY110O
L-12-05	+	L-12-06	LXV0152X				
L-12-06	+	L-12-08	LOP4762X	L-12-07			
L-12-07	+	LXV0553X	L-12-10				
L-12-08	+	UCB8RB05	U-06B-01	LMV4762M	LMV4762P	I-12-01	ICBY210O
L-12-09	=	L-03A-02	L-03A-03				
L-12-10	=	L-04A-02	L-04A-03				
L-8A-01	+	LPM0141S	L-8A-02	LPM0141M	U-01-01	LPM0141R	
L-8A-02	+	UCB0404N	I-07-01	KE-01-01	ICB1P101	ICB1D103	
L-8B-01	+	U-02-01	LPM0504M	L-8B-02	LPM0504S		
L-8B-02	+	UCB0603N	I-08-01	KE-01-04	ICB2P101	ICB2D203	LPM0504R
LA-01-01	=	LA-01-02	LA-02-01				
LA-01-02	+	LFLOWDIV	LA-01-03				
LA-01-03	+	LXV0124P	LA-01-04				

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LA-01-04  +        LA-01-05  LA-03-01
LA-01-05  +        KE-01-03  LMV4715M  LMV4715P  ICB2D205  I-08-01
LA-02-01  +        LFLOWDIV  LA-02-02
LA-02-02  +        LCV0448P  LA-02-03
LA-02-03  +        LA-02-04  LA-04-01
LA-02-04  +        KE-01-02  I-07-01   ICB2D105  LMV4730M  LMV4730P
LA-03-01  +        LXV0125X  LA-03-02
LA-03-02  +        LA-03-03  LA-07-01
LA-03-03  +        LA-03-04  LXV0123X
LA-03-04  +        LA-03-05  LCV0121P
LA-03-05  +        LXV0122X  LA-05-01
LA-04-01  +        LA-04-02  LXV0134X
LA-04-02  +        LA-04-03  LA-07-02
LA-04-03  +        LXV0136X  LA-04-04
LA-04-04  +        LCV0547P  LA-03-05
LA-05-01  +        LA-05-02  LA-05-03
LA-05-02  +        LPY0140R  LA-05-04  LPT0140M  LA-05-11
LA-05-03  +        LXV0468X  LA-05-06
LA-05-04  +        CRV0003O  LA-05-05  LOPORFIL
LA-05-05  +        LA-05-08  LA-05-07
LA-05-06  +        LTKCONDH  LXV0471X
LA-05-07  +        I-09-01   LA-06-01
LA-05-08  =        LA-05-09  LA-05-10
LA-05-09  +        LAV8200Q  LCV0005P
LA-05-10  +        LCV0003P  LAV8201Q
LA-05-11  =        LPT0140S  LPT0140Y
LA-06-01  +        LA-06-02  LMV4716M  LMV4716P  ICB3P106  I-09-01
LA-06-02  =        KE-01-03  KE-01-02
LA-07-01  +        KE-01-03  LMV4706M  LMV4706P  I-08-01   ICB2D205  LMV4706R
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LA-07-0Z	+	LMV4705M	LMV4705P	KE-01-02	I-07-01	ICB2D105	LMV4705R
LOOP-CM	*	LOOP	ZC-01-02				
U-01-01	+	U-01-02	UBS2A04H				
U-01-02	*	U-01-04	U-01-03				
U-01-03	+	U-01-07	U-01-05				
U-01-04	*	LOOPC	NROSP51M				
U-01-05	*	U-1A-03	U-01-06				
U-01-06	+	U-1B-01	UFTARE4K	UFTAX51M	UFTACBN		
U-01-07	*	UGE2G02M	U-01-08				
U-01-08	+	U-1B-01	UFTARE4K	UFTACBN			
U-02-01	+	U-02-02	UBS2A06H				
U-02-02	*	U-02-04	U-02-03				
U-02-03	+	U-02-07	U-02-05				
U-02-04	*	LOOPC	NROSP51M				
U-02-05	*	U-2A-03	U-02-06				
U-02-06	+	U-2B-01	UFTAX51M	UFTAR6K	UFTACBN		
U-02-07	*	UG2G03M	U-02-08				
U-02-08	+	U-2B-01	UFTARE6K	UFTACBN			
U-03-01	+	UBS2ABEH	U-01-01				
U-04-01	+	UBS2ABYH	U-01-01				
U-04-02	+	UBS2B04H	U-01-01				
U-05-01	+	UBS2ABJH	U-02-01				
U-05-02	+	U-02-01	UBS2B06H				
U-06-01	+	UBS2ABZH	U-02-01				
U-06A-01	+	UBS2ABRA	U-01-01				
U-06B-01	+	UBS2ABRB	U-02-01				
U-1A-03	*	U-1A-05	KL-01-01	U-1A-04	UCAG00ZA		
U-1A-04	+	UCB0413N	U-1A-06				
U-1A-05	+	UGE2G02R	U-1A-07				

U-1A-06	+	IBSD1P1H	IBYB007H			
U-1A-07	=	NR2D251M	UGE2G02S			
U-1B-01	=	NROSP51M	U-1B-02			
U-1B-02	+	UGE3G02M	U-1B-04	UGE3G2SD	U-1B-03	
U-1B-03	=	KL-01-01	KL-01-03			
U-1B-04	+	UGE3G02R	U-1B-05			
U-1B-05	=	NR2D251M	UGE3G02S			
U-2A-03	+	UCAG003A	U-2A-04	KL-01-02	U-2A-05	
U-2A-04	+	UCB0613N	U-2A-06			
U-2A-05	+	UGE2G03R	U-2A-07			
U-2A-06	+	IBYB008H	IBSD2P1			
U-2A-07	=	NR2D351M	UGE2G03S			
U-2B-01	=	NROSP51M	U-2B-02			
U-2B-02	+	UGE3G03M	U-2B-04	UGE3G3SD	U-2B-03	
U-2B-03	=	KL-01-02	KL-01-04			
U-2B-04	+	UGE3G03R	U-2B-05			
U-2B-05	=	NR2D351M	UGE3G03S			
UA-01-01	=	UA-01-02	UA-01-03			
UA-01-02	=	NROSP51M	UA-01-04			
UA-01-03	=	NROSP51M	UA-01-05			
UA-01-04	+	UA-1A-01	UA-01-06			
UA-01-05	+	UA-1A-03	UA-01-07			
UA-01-06	=	UA-1A-05	UA-01-08			
UA-01-07	=	UA-1A-07	UA-01-09			
UA-01-08	+	UA-02-01	UFTARE4K	UFTAX51M	UFTACBN	
UA-01-09	+	UFTARE6K	UA-03-01	UFTAX51M	UFTACBN	
UA-02-01	=	UA-02-02	NROSP51M			
UA-02-02	+	UA-02-03	UA-02-05	U3G0251M	UA-02-04	UGE3G2SD
UA-02-03	=	UGE3G02S	NR3D251M			

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UA-02-04  =        KL-01-01  KL-01-03
UA-02-05  +        UGE3G02M  U3G02TSM
UA-03-01  =        UA-03-02  NROSP51M
UA-03-02  +        UA-03-03  UA-03-05  UGE3G3SD  U3G0351M  UA-03-04
UA-03-03  =        NR3D351M  UGE3G03S
UA-03-04  =        KL-01-02  KL-01-04
UA-03-05  +        UGE3G03M  U3G03TSM
UA-1A-01  =        UGE2G02M  UA-1A-02
UA-1A-02  +        UFTACBN   UA-02-01  UFTARE4K
UA-1A-03  =        UGE2G03M  UA-1A-04
UA-1A-04  +        UFTACBN   UA-03-01  UFTARE6K
UA-1A-05  +        KL-01-01  UA-1A-06  U2G0251M  U2G02TSM
UA-1A-06  =        NR2D251M  UGE2G02S
UA-1A-07  +        KL-01-02  U2G0351M  UA-1A-08  U2G03TSM
UA-1A-08  =        NR2D351M  UGE2G03S
UB-01-01  =        UB-01-02  UB-01-03
UB-01-02  =        NROSP90M  UB-01-04
UB-01-03  =        NROSP90M  UB-01-05
UB-01-04  +        UB-1A-01  UB-01-06
UB-01-05  +        UB-1A-03  UB-01-07
UB-01-06  =        UB-1A-05  UB-01-08
UB-01-07  =        UB-1A-07  UB-01-09
UB-01-08  +        UB-02-01  UFTARE4K  UFTAX90M  UFTACBN
UB-01-09  +        UFTARE6K  UB-03-01  UFTAX90M  UFTACBN
UB-02-01  =        UB-02-02  NROSP90M
UB-02-02  +        UB-02-03  UB-02-05  U3G0290M  UB-02-04  UGE3G2S1
UB-02-03  =        UGE3G02S  NR3D290M
UB-02-04  =        KL-01-01  KL-01-03
UB-02-05  +        UGE3G02M  U3G02TSM
```

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UB-03-01  *        UB-03-02  NROSP90M
UB-03-02  +        UB-03-03  UB-03-05  UGE3G3SD  U3G0390M  UB-03-04
UB-03-03  *        UGE3G03S  NR3D390M
UB-03-04  *        KL-01-02  KL-01-04
UB-03-05  +        UGE3G03M  U3G03TSM
UB-1A-01  *        UGE2G02M  UB-1A-02
UB-1A-02  +        UFTACBN   UB-02-01  UFTARE4K
UB-1A-03  *        UGE2G03M  UB-1A-04
UB-1A-04  +        UFTACBN   UB-03-01  UFTARE6K
UB-1A-05  +        KL-01-01  U2G0290M  UB-1A-06  U2G02TSM
UB-1A-06  *        NR2D290M  UGE2G02S
UB-1A-07  +        KL-01-02  U2G0390M  UB-1A-08  U2G03TSM
UB-1A-08  *        NR2D390M  UGE2G03S
UC-01-01  *        UC-01-02  UC-01-03
UC-01-02  *        NROSP2.0  UC-01-04
UC-01-03  *        NROSP2.0  UC-01-05
UC-01-04  +        UC-1A-01  UC-01-06
UC-01-05  +        UC-1A-03  UC-01-07
UC-01-06  *        UC-1A-05  UC-01-08
UC-01-07  *        UC-1A-07  UC-01-09
UC-01-08  +        UC-02-01  UFTARE4K  UFTAX2.0  UFTACBN
UC-01-09  +        UFTARE6K  UC-03-01  UFTAX2.0  UFTACBN
UC-02-01  *        UC-02-02  NROSP2.0
UC-02-02  +        UC-02-03  UC-02-05  U3G022.0  UC-02-04  UGE3G2SD
UC-02-03  *        UGE3G02S  NR3D22.0
UC-02-04  *        KL-01-01  KL-01-03
UC-02-05  +        UGE3G02M  U3G02TSM
UC-03-01  *        UC-03-02  NROSP2.0
UC-03-02  +        UC-03-03  UC-03-05  UGE3G3SD  U3G032.0  UC-03-04
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UC-03-03  *        NR3D32.0  UGE3G03S
UC-03-04  *        KL-01-02  KL-01-04
UC-03-05  +        UGE3G03M  U3G03TSM
UC-1A-01  *        UGE2G02M  UC-1A-02
UC-1A-02  +        UFTACBN   UC-02-01  UFTARE4K
UC-1A-03  *        UGE2G03M  UC-1A-04
UC-1A-04  +        UFTACBN   UC-03-01  UFTARE6K
UC-1A-05  +        KL-01-01  U2G022.0  UC-1A-06  U2G02TSM
UC-1A-06  *        NR2D22.0  UGE2G02S
UC-1A-07  +        KL-01-02  U2G032.0  UC-1A-08  U2G03TSM
UC-1A-08  *        NR2D32.0  UGE2G03S
UD-01-01  *        UD-01-02  UD-01-03
UD-01-02  *        NROSP3.0  UD-01-04
UD-01-03  *        NROSP3.0  UD-01-05
UD-01-04  +        UD-1A-01  UD-01-06
UD-01-05  +        UD-1A-03  UD-01-07
UD-01-06  *        UD-1A-05  UD-01-08
UD-01-07  *        UD-1A-07  UD-01-09
UD-01-08  +        UD-02-01  UFTARE4K  UFTAX3.0  UFTACBN
UD-01-09  +        UFTARE6K  UD-03-01  UFTAX3.0  UFTACBN
UD-02-01  *        UD-02-02  NROSP3.0
UD-02-02  +        UD-02-03  UD-02-05  U3G023.0  UD-02-04  UGE3G2SD
UD-02-03  *        UGE3G02S  NR3D23.0
UD-02-04  *        KL-01-01  KL-01-03
UD-02-05  +        UGE3G02M  U3G02TSM
UD-03-01  *        UD-03-02  NROSP3.0
UD-03-02  +        UD-03-03  UD-03-05  UGE3G3SD  U3G033.0  UD-03-04
UD-03-03  *        NR3D33.0  UGE3G03S
UD-03-04  *        KL-01-02  KL-01-04
```

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UD-03-05  +        UGE3G03M  U3G03TSM
UD-1A-01  =        UGE2G02M  UD-1A-02
UD-1A-02  +        UFTACBN   UD-02-01  UFTARE4K
UD-1A-03  =        UGE2G03M  UD-1A-04
UD-1A-04  +        UFTACBN   UD-03-01  UFTARE6K
UD-1A-05  +        KL-01-01  U2G023.0  UD-1A-06  U2G02TSM
UD-1A-06  =        NR2D23.0  UGE2G02S
UD-1A-07  +        KL-01-02  U2G033.0  UD-1A-08  U2G03TSM
UD-1A-08  =        NR2D33.0  UGE2G03S
UE-01-01  =        UE-01-02  UE-01-03
UE-01-02  =        NROSP4.0  UE-01-04
UE-01-03  =        NROSP4.0  UE-01-05
UE-01-04  +        UE-1A-01  UE-01-06
UE-01-05  +        UE-1A-03  UE-01-07
UE-01-06  =        UE-1A-05  UE-01-08
UE-01-07  =        UE-1A-07  UE-01-09
UE-01-08  +        UE-02-01  UFTARE4K  UFTAX4.0  UFTACBN
UE-01-09  +        UFTARE6K  UE-03-01  UFTAX4.0  UFTACBN
UE-02-01  =        UE-02-02  NROSP4.0
UE-02-02  +        UE-02-03  UE-02-05  U3G024.0  UE-02-04  UGE3G2SD
UE-02-03  =        UGE3G02S  NR3D24.0
UE-02-04  =        KL-01-01  KL-01-03
UE-02-05  +        UGE3G02M  U3G02TSM
UE-03-01  =        UE-03-02  NROSP4.0
UE-03-02  +        UE-03-03  UE-03-05  UGE3G3SD  U3G034.0  UE-03-04
UE-03-03  =        NR3D34.0  UGE3G03S
UE-03-04  =        KL-01-02  KL-01-04
UE-03-05  +        UGE3G03M  U3G03TSM
UE-1A-01  =        UGE2G02M  UE-1A-02
```

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UE-1A-02  +        UFTACBN   UE-02-01  UFTARE4K
UE-1A-03  =        UGE2G03M  UE-1A-04
UE-1A-04  +        UFTACBN   UE-03-01  UFTARE6K
UE-1A-05  +        KL-01-01  U2G024.0  UE-1A-06  U2G02TSM
UE-1A-06  =        NR2D24.0  UGE2G02S
UE-1A-07  +        KL-01-02  U2G034.0  UE-1A-08  U2G03TSM
UE-1A-08  =        NR2D34.0  UGE2G03S
UF-01-01  =        UF-01-02  UF-01-03
UF-01-02  =        NROSP7.5  UF-01-04
UF-01-03  =        NROSP7.5  UF-01-05
UF-01-04  +        UF-1A-01  UF-01-06
UF-01-05  +        UF-1A-03  UF-01-07
UF-01-06  =        UF-1A-05  UF-01-08
UF-01-07  =        UF-1A-07  UF-01-09
UF-01-08  +        UF-02-01  UFTARE4K  UFTAX7.5  UFTACBN
UF-01-09  +        UFTARE6K  UF-03-01  UFTAX7.5  UFTACBN
UF-02-01  =        UF-02-02  NROSP7.5
UF-02-02  +        UF-02-03  UF-02-05  U3G027.5  UF-02-04  UGE3G2SD
UF-02-03  =        UGE3G02S  NR3D27.5
UF-02-04  =        KL-01-01  KL-01-03
UF-02-05  +        UGE3G02M  U3G02TSM
UF-03-01  =        UF-03-02  NROSP7.5
UF-03-02  +        UF-03-03  UF-03-05  UGE3G3SD  U3G037.5  UF-03-04
UF-03-03  =        NR3D37.5  UGE3G03S
UF-03-04  =        KL-01-02  KL-01-04
UF-03-05  +        UGE3G03M  U3G03TSM
UF-1A-01  =        UGE2G02M  UF-1A-02
UF-1A-02  +        UFTACBN   UF-02-01  UFTARE4K
UF-1A-03  =        UGE2G03M  UF-1A-04
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UF-1A-04  +        UFTACBN   UF-03-01  UFTARE6K
UF-1A-05  +        KL-01-01  U2G027.5  UF-1A-06  U2G02TSM
UF-1A-06  =        NR2D27.5  UGE2G02S
UF-1A-07  +        KL-01-02  U2G037.5  UF-1A-08  U2G03TSM
UF-1A-08  =        NR2D37.5  UGE2G03S
ZC-01-02  +        AFWLOOP   ZC-01-05  ZC-01-03  ZC-01-06  ZC-01-10  ZC-02-01
ZC-01-03  =        LA-01-01  UA-01-01
ZC-01-05  +        ZC-01-08  ZC-01-07  ZC-01-09
ZC-01-06  =        LOPMDISC  UB-01-01
ZC-01-07  =        UD-01-01  UOPLSHED
ZC-01-08  =        UF-01-01  JIVTLOW
ZC-01-09  =        JIVTHIGH  UE-01-01
ZC-01-10  =        SEALFAIL  UA-01-01
ZC-02-01  =        ZC-02-02  UC-01-01
ZC-02-02  =        SEALMISO  ZC-02-03
ZC-02-03  =        ZCSEALOP  RCPFAIL
LL-----1       1   LFLOMDIV
LL-----2       1   LTKCONOH
LL-----3       2   LCV0124P  LCV0448P
LL-----4       3   CRV00030  ICB1D103  LPM0504M
LL-----5       3   CRV00030  ICB1P101  LPM0504N
LL-----6       3   CRV00030  ICB2D203  LPM0141M
LL-----7       3   CRV00030  ICB2P101  LPM0141M
LL-----8       3   CRV00030  LCV0126P  LPM0504M
LL-----9       3   CRV00030  LCV0126P  LPM0504S
LL----10       3   CRV00030  LCV0126P  UCB0603N
LL----11       3   CRV00030  LCV0532P  LPM0141M
LL----12       3   CRV00030  LCV0532P  LPM0241S
LL----13       3   CRV00030  LCV0532P  UCB0404M
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LL----14	3	CRV00030	LPM0141M	LPM0504M
LL----15	3	CRV00030	LPM0141M	LPM0504R
LL----16	3	CRV00030	LPM0141M	LPM0504S
LL----17	3	CRV00030	LPM0141M	LXV0533X
LL----18	3	CRV00030	LPM0141M	LXV0538X
LL----19	3	CRV00030	LPM0141M	LXV0542X
LL----20	3	CRV00030	LPM0141M	UCB0603N
LL----21	3	CRV00030	LPM0141R	LPM0504M
LL----22	3	CRV00030	LPM0141R	LPM0504R
LL----23	3	CRV00030	LPM0141R	LPM0504S
LL----24	3	CRV00030	LPM0141R	UCB0603N
LL----25	3	CRV00030	LPM0141S	LPM0504M
LL----26	3	CRV00030	LPM0141S	LPM0504R
LL----27	3	CRV00030	LPM0141S	LPM0504S
LL----28	3	CRV00030	LPM0141S	LXV0533X
LL----29	3	CRV00030	LPM0141S	LXV0538X
LL----30	3	CRV00030	LPM0141S	LXV0542X
LL----31	3	CRV00030	LPM0141S	UCB0603N
LL----32	3	CRV00030	LPM0504M	LXV0127X
LL----33	3	CRV00030	LPM0504M	LXV0469X
LL----34	3	CRV00030	LPM0504M	LXV471AX
LL----35	3	CRV00030	LPM0504M	UCB0404N
LL----36	3	CRV00030	LPM0504R	UCB0404N
LL----37	3	CRV00030	LPM0504S	LXV0127X
LL----38	3	CRV00030	LPM0504S	LXV0469X
LL----39	3	CRV00030	LPM0504S	LXV471AX
LL----40	3	CRV00030	LPM0504S	UCB0404N
LL----41	3	CRV00030	LXV0127X	UCB0603N
LL----42	3	CRV00030	LXV0469X	UCB0603N

LL----43	3	CRV0003O	LXV0533X	UCB0404N
LL----44	3	CRV0003O	LXV0538X	UCB0404N
LL----45	3	CRV0003O	LXV0542X	UCB0404N
LL----46	3	CRV0003O	LXV471AX	UCB0603N
LL----47	3	CRV0003O	UCB0404N	UCB0603N
LL----48	3	EFAS1CCF	EFAS2CCF	KOPEFAS
LL----49	3	EFAS1CCF	KOPEFAS	LCV0448P
LL----50	3	EFAS2CCF	KOPEFAS	LCV0124P
LL----51	3	ICB1D103	LMV4716P	LPM0504M
LL----52	3	ICB1D103	LMV4716P	LPM0504S
LL----53	3	ICB1D103	LMV4716P	UCB0603N
LL----54	3	ICB1D103	LOPORFIL	LPM0504M
LL----55	3	ICB1D103	LPM0504M	LPT0140M
LL----56	3	ICB1D103	LPM0504S	LPT0140M
LL----57	3	ICB1D103	LPT0140M	UCB0603N
LL----58	3	ICB1P101	LMV4716P	LPM0504M
LL----59	3	ICB1P101	LMV4716P	LPM0504S
LL----60	3	ICB1P101	LMV4716P	UCB0603N
LL----61	3	ICB1P101	LOPORFIL	LPM0504M
LL----62	3	ICB1P101	LPM0504M	LPT0140M
LL----63	3	ICB1P101	LPM0504S	LPT0140M
LL----64	3	ICB1P101	LPT0140M	UCB0603N
LL----65	3	ICB2D203	LMV4716P	LPM0141M
LL----66	3	ICB2D203	LMV4716P	LPM0141S
LL----67	3	ICB2D203	LMV4716P	UCB0404N
LL----68	3	ICB2D203	LOPORFIL	LPM0141M
LL----69	3	ICB2D203	LPM0141M	LPT0140M
LL----70	3	ICB2D203	LPM0141S	LPT0140M
LL----71	3	ICB2D203	LPT0140M	UCB0404N

LL----72	3	ICB2P101	LMV4716P	LPM0141M
LL----73	3	ICB2P101	LMV4716P	LPM0141S
LL----74	3	ICB2P101	LMV4716P	UCB0404N
LL----75	3	ICB2P101	LOPORFIL	LPM0141M
LL----76	3	ICB2P101	LPM0141M	LPT0140M
LL----77	3	ICB2P101	LPM0141S	LPT0140M
LL----78	3	ICB2P101	LPT0140M	UCB0404N
LL----79	3	ICB3P106	LPM0141M	LPM0504M
LL----80	3	ICB3P106	LPM0141M	LPM0504S
LL----81	3	ICB3P106	LPM0141M	UCB0603N
LL----82	3	ICB3P106	LPM0141S	LPM0504M
LL----83	3	ICB3P106	LPM0141S	LPM0504S
LL----84	3	ICB3P106	LPM0141S	UCB0603N
LL----85	3	ICB3P106	LPM0504M	UCB0404N
LL----86	3	ICB3P106	LPM0504S	UCB0404N
LL----87	3	ICB3P106	UCB0404N	UCB0603N
LL----88	3	LCV0124P	LMV4714P	LMV4730P
LL----89	3	LCV0124P	LMV4730P	LSV4714P
LL----90	3	LCV0126P	LMV4716P	LPM0504M
LL----91	3	LCV0126P	LMV4716P	LPM0504R
LL----92	3	LCV0126P	LMV4716P	LPM0504S
LL----93	3	LCV0126P	LMV4716P	UCB0603N
LL----94	3	LCV0126P	LOPORFIL	LPM0504M
LL----95	3	LCV0126P	LOPORFIL	LPM0504S
LL----96	3	LCV0126P	LOPORFIL	UCB0603N
LL----97	3	LCV0126P	LPM0504M	LPT0140M
LL----98	3	LCV0126P	LPM0504R	LPT0140M
LL----99	3	LCV0126P	LPM0504S	LPT0140M
LL---100	3	LCV0126P	LPT0140M	UCB0603N

LL---101	3	LCV0448P	LMV4715P	LMV4731P
LL---102	3	LCV0448P	LMV4715P	LSV4731P
LL---103	3	LCV0532P	LMV4716P	LPM0141M
LL---104	3	LCV0532P	LMV4716P	LPM0141R
LL---105	3	LCV0532P	LMV4716P	LPM0141S
LL---106	3	LCV0532P	LMV4716P	UCB0404N
LL---107	3	LCV0532P	LOPORFIL	LPM0141M
LL---108	3	LCV0532P	LOPORFIL	LPM0141S
LL---109	3	LCV0532P	LOPORFIL	UCB0404N
LL---110	3	LCV0532P	LPM0141M	LPT0140M
LL---111	3	LCV0532P	LPM0141R	LPT0140M
LL---112	3	LCV0532P	LPM0141S	LPT0140M
LL---113	3	LCV0532P	LPT0140M	UCB0404N
LL---114	3	LMV4716M	LPM0141M	LPM0504M
LL---115	3	LMV4716M	LPM0141M	LPM0504S
LL---116	3	LMV4716M	LPM0141M	UCB0603N
LL---117	3	LMV4716M	LPM0141S	LPM0504M
LL---118	3	LMV4716M	LPM0141S	LPM0504S
LL---119	3	LMV4716M	LPM0141S	UCB0603N
LL---120	3	LMV4716M	LPM0504M	UCB0404N
LL---121	3	LMV4716M	LPM0504S	UCB0404N
LL---122	3	LMV4716M	UCB0404N	UCB0603N
LL---123	3	LMV4716P	LPM0141M	LPM0504M
LL---124	3	LMV4716P	LPM0141M	LPM0504R
LL---125	3	LMV4716P	LPM0141M	LPM0504S
LL---126	3	LMV4716P	LPM0141M	LXV0533X
LL---127	3	LMV4716P	LPM0141M	LXV0538X
LL---128	3	LMV4716P	LPM0141M	LXV0542X
LL---129	3	LMV4716P	LPM0141M	UCB0603N

LL---130	3	LMV4716P	LPM0141R	LPM0504M
LL---131	3	LMV4716P	LPM0141R	LPM0504R
LL---132	3	LMV4716P	LPM0141R	LPM0504S
LL---133	3	LMV4716P	LPM0141R	LXV0533X
LL---134	3	LMV4716P	LPM0141R	LXV0538X
LL---135	3	LMV4716P	LPM0141R	LXV0542X
LL---136	3	LMV4716P	LPM0141R	UCB0603N
LL---137	3	LMV4716P	LPM0141S	LPM0504M
LL---138	3	LMV4716P	LPM0141S	LPM0504R
LL---139	3	LMV4716P	LPM0141S	LPM0504S
LL---140	3	LMV4716P	LPM0141S	LXV0533X
LL---141	3	LMV4716P	LPM0141S	LXV0538X
LL---142	3	LMV4716P	LPM0141S	LXV0542X
LL---143	3	LMV4716P	LPM0141S	UL80603N
LL---144	3	LMV4716P	LPM0504M	LXV0127X
LL---145	3	LMV4716P	LPM0504M	LXV0469X
LL---146	3	LMV4716P	LPM0504M	LXV471AX
LL---147	3	LMV4716P	LPM0504M	UCB0404N
LL---148	3	LMV4716P	LPM0504R	LXV0127X
LL---149	3	LMV4716P	LPM0504R	LXV0469X
LL---150	3	LMV4716P	LPM0504R	LXV471AX
LL---151	3	LMV4716P	LPM0504R	UCB0404N
LL---152	3	LMV4716P	LPM0504S	LXV0127X
LL---153	3	LMV4716P	LPM0504S	LXV0469X
LL---154	3	LMV4716P	LPM0504S	LXV471AX
LL---155	3	LMV4716P	LPM0504S	UCB0404N
LL---156	3	LMV4716P	LXV0127X	UCB0603N
LL---157	3	LMV4716P	LXV0469X	UCB0603N
LL---158	3	LMV4716P	LXV0533X	UCB0404N

LL---159	3	LMV4716P	LXV0538X	UCB0404N
LL---160	3	LMV4716P	LXV0542X	UCB0404N
LL---161	3	LMV4716P	LXV471AX	UCB0603N
LL---162	3	LMV4716P	UCB0404N	UCB0603N
LL---163	3	LOPORFIL	LPM0141M	LPM0504M
LL---164	3	LOPORFIL	LPM0141M	LPM0504R
LL---165	3	LOPORFIL	LPM0141M	LPM0504S
LL---166	3	LOPORFIL	LPM0141M	LXV0533X
LL---167	3	LOPORFIL	LPM0141M	LXV0538X
LL---168	3	LOPORFIL	LPM0141M	LXV0542X
LL---169	3	LOPORFIL	LPM0141M	UCB0603N
LL---170	3	LOPORFIL	LPM0141R	LPM0504M
LL---171	3	LOPORFIL	LPM0141R	LPM0504R
LL---172	3	LOPORFIL	LPM0141R	LPM0504S
LL---173	3	LOPORFIL	LPM0141R	UCB0603N
LL---174	3	LOPORFIL	LPM0141S	LPM0504M
LL---175	3	LOPORFIL	LPM0141S	LPM0504R
LL---176	3	LOPORFIL	LPM0141S	LPM0504S
LL---177	3	LOPORFIL	LPM0141S	LXV0533X
LL---178	3	LOPORFIL	LPM0141S	LXV0538X
LL---179	3	LOPORFIL	LPM0141S	LXV0542X
LL---180	3	LOPORFIL	LPM0141S	UCB0603N
LL---181	3	LOPORFIL	LPM0504M	LXV0127X
LL---182	3	LOPORFIL	LPM0504M	LXV0469X
LL---183	3	LOPORFIL	LPM0504M	LXV471AX
LL---184	3	LOPORFIL	LPM0504M	UCB0404N
LL---185	3	LOPORFIL	LPM0504R	UCB0404N
LL---186	3	LOPORFIL	LPM0504S	LXV0127X
LL---187	3	LOPORFIL	LPM0504S	LXV0469X

LL---188	3	LOPORFIL	LPM0504S	LXV471AX
LL---189	3	LOPORFIL	LPM0504S	UCB0404N
LL---190	3	LOPORFIL	LXV0127X	UCB0603N
LL---191	3	LOPORFIL	LXV0469X	UCB0603N
LL---192	3	LOPORFIL	LXV0533X	UCB0404N
LL---193	3	LOPORFIL	LXV0538X	UCB0404N
LL---194	3	LOPORFIL	LXV0542X	UCB0404N
LL---195	3	LOPORFIL	LXV471AX	UCB0603N
LL---196	3	LOPORFIL	UCB0404N	UCB0603N
LL---197	3	LPM0141M	LPM0504M	LPT0140M
LL---198	3	LPM0141M	LPM0504M	LPT0140R
LL---199	3	LPM0141M	LPM0504M	LXV0122X
LL---200	3	LPM0141M	LPM0504M	LXV0468X
LL---201	3	LPM0141M	LPM0504M	LXV0471X
LL---202	3	LPM0141M	LPM0504R	LPT0140M
LL---203	3	LPM0141M	LPM0504R	LPT0140R
LL---204	3	LPM0141M	LPM0504R	LXV0122X
LL---205	3	LPM0141M	LPM0504R	LXV0468X
LL---206	3	LPM0141M	LPM0504R	LXV0471X
LL---207	3	LPM0141M	LPM0504S	LPT0140M
LL---208	3	LPM0141M	LPM0504S	LPT0140R
LL---209	3	LPM0141M	LPM0504S	LXV0122X
LL---210	3	LPM0141M	LPM0504S	LXV0468X
LL---211	3	LPM0141M	LPM0504S	LXV0471X
LL---212	3	LPM0141M	LPT0140M	LXV0533X
LL---213	3	LPM0141M	LPT0140M	LXV0538X
LL---214	3	LPM0141M	LPT0140M	LXV0542X
LL---215	3	LPM0141M	LPT0140M	UCB0603N
LL---216	3	LPM0141M	LPT0140R	UCB0603N

LL---217	3	LPM0141M	LXV0122X	UCB0603N
LL---218	3	LPM0141M	LXV0468X	UCB0603N
LL---219	3	LPM0141M	LXV0471X	UCB0603N
LL---220	3	LPM0141R	LPM0504M	LPT0140M
LL---221	3	LPM0141R	LPM0504M	LPT0140R
LL---222	3	LPM0141R	LPM0504M	LXV0122X
LL---223	3	LPM0141R	LPM0504M	LXV0468X
LL---224	3	LPM0141R	LPM0504M	LXV0471X
LL---225	3	LPM0141R	LPM0504R	LPT0140M
LL---226	3	LPM0141R	LPM0504R	LPT0140R
LL---227	3	LPM0141R	LPM0504S	LPT0140M
LL---228	3	LPM0141R	LPM0504S	LPT0140R
LL---229	3	LPM0141R	LPM0504S	LXV0122X
LL---230	3	LPM0141R	LPM0504S	LXV0468X
LL---231	3	LPM0141R	LPM0504S	LXV0471X
LL---232	3	LPM0141R	LPT0140M	LXV0533X
LL---233	3	LPM0141R	LPT0140M	LXV0538X
LL---234	3	LPM0141R	LPT0140M	LXV0542X
LL---235	3	LPM0141R	LPT0140M	UCB0603N
LL---236	3	LPM0141R	LPT0140R	UCB0603N
LL---237	3	LPM0141R	LXV0122X	UCB0603N
LL---238	3	LPM0141R	LXV0468X	UCB0603N
LL---239	3	LPM0141R	LXV0471X	UCB0603N
LL---240	3	LPM0141S	LPM0504M	LPT0140M
LL---241	3	LPM0141S	LPM0504M	LPT0140R
LL---242	3	LPM0141S	LPM0504M	LXV0122X
LL---243	3	LPM0141S	LPM0504M	LXV0468X
LL---244	3	LPM0141S	LPM0504M	LXV0471X
LL---245	3	LPM0141S	LPM0504R	LPT0140M

LL---246				LPT0140R
LL---247				LXV0122X
LL---248			LPM0504R	LXV0468X
LL---249			LPM0504R	LXV0471X
LL---250			0504S	LPT0140M
LL---251	3		M0504S	LPT0140R
LL---252	3	LPM0141S	LPM0504S	LXV0122X
LL---253	3	LPM0141S	LPM0504S	LXV0468X
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LL---257	3	LPM0141S	LPT0140M	LXV0542X
LL---258	3	LPM0141S	LPT0140M	UCB0603N
LL---259	3	LPM0141S	LPT0140R	UCB0603N
LL---260	3	LPM0141S	LXV0122X	UCB0603N
LL---261	3	LPM0141S	LXV0468X	UCB0603N
LL---262	3	LPM0141S	LXV0471X	UCB0603N
LL---263	3	LPM0504M	LPT0140M	LXV0127X
LL---264	3	LPM0504M	LPT0140M	LXV0469X
LL---265	3	LPM0504M	LPT0140M	LXV471AX
LL---266	3	LPM0504M	LPT0140M	UCB0404N
LL---267	3	LPM0504M	LPT0140R	UCB0404N
LL---268	3	LPM0504M	LXV0122X	UCB0404N
LL---269	3	LPM0504M	LXV0468X	UCB0404N
LL---270	3	LPM0504M	LXV0471X	UCB0404N
LL---271	3	LPM0504R	LPT0140M	LXV0127X
LL---272	3	LPM0504R	LPT0140M	LXV0469X
LL---273	3	LPM0504R	LPT0140M	LXV471AX
LL---274	3	LPM0504R	LPT0140M	UCB0404N

LL---275	3	LPM0504R	LPT0140R	UCB0404N	
LL---276	3	LPM0504R	LXV0122X	UCB0404N	
LL---277	3	LPM0504R	LXV0468X	UCB0404N	
LL---278	3	LPM0504R	LXV0471X	UCB0404N	
LL---279	3	LPM0504S	LPT0140M	LXV0127X	
LL---280	3	LPM0504S	LPT0140M	LXV0469X	
LL---281	3	LPM0504S	LPT0140M	LXV471AX	
LL---282	3	LPM0504S	LPT0140M	UCB0404N	
LL---283	3	LPM0504S	LPT0140R	UCB0404N	
LL---284	3	LPM0504S	LXV0122X	UCB0404N	
LL---285	3	LPM0504S	LXV0468X	UCB0404N	
LL---286	3	LPM0504S	LXV0471X	UCB0404N	
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LL---289	3	LPT0140M	LXV0533X	UCB0404N	
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LL---291	3	LPT0140M	LXV0542X	UCB0404N	
LL---292	3	LPT0140M	LXV471AX	UCB0603N	
LL---293	3	LPT0140M	UCB0404N	UCB0603N	
LL---294	3	LPT0140R	UCB0404N	UCB0603N	
LL---295	3	LXV0122X	UCB0404N	UCB0603N	
LL---296	3	LXV0468X	UCB0404N	UCB0603N	
LL---297	3	LXV0471X	UCB0404N	UCB0603N	
LL---298	4	CRV0003O	LCV0124P	LOPCROSV	LPM0504M
LL---299	4	CRV0003O	LCV0448P	LOPCROSV	LPM0141M
LL---300	4	ICB1D103	LPM0504M	LPT0140S	LPT0140Y
LL---301	4	ICB1D103	LPM0504R	LPT0140S	LPT0140Y
LL---302	4	ICB1D103	LPM0504S	LPT0140S	LPT0140Y
LL---303	4	ICB1D103	LPT0140S	LPT0140Y	UCB0603N

LL---304	4	ICB1P101	LPM0504M	LPT0140S	LPT0140Y
LL---305	4	ICB1P101	LPM0504R	LPT0140S	LPT0140Y
LL---306	4	ICB1P101	LPM0504S	LPT0140S	LPT0140Y
LL---307	4	ICB1P101	LPT0140S	LPT0140Y	UCB0603N
LL---308	4	ICB2D203	LPM0141M	LPT0140S	LPT0140Y
LL---309	4	ICB2D203	LPM0141R	LPT0140S	LPT0140Y
LL---310	4	ICB2D203	LPM0141S	LPT0140S	LPT0140Y
LL---311	4	ICB2D203	LPT0140S	LPT0140Y	UCB0404N
LL---312	4	ICB2P101	LPM0141M	LPT0140S	LPT0140Y
LL---313	4	ICB2P101	LPM0141R	LPT0140S	LPT0140Y
LL---314	4	ICB2P101	LPM0141S	LPT0140S	LPT0140Y
LL---315	4	ICB2P101	LPT0140S	LPT0140Y	UCB0404N
LL---316	4	LCV0124P	LMV4705P	LOPCROSV	LPM0504M
LL---317	4	LCV0124P	LMV4705P	LOPCROSV	LPM0504S
LL---318	4	LCV0124P	LMV4705P	LOPCROSV	UCB0603N
LL---319	4	LCV0124P	LMV4716P	LOPCROSV	LPM0504M
LL---320	4	LCV0124P	LMV4716P	LOPCROSV	LPM0504S
LL---321	4	LCV0124P	LMV4716P	LOPCROSV	UCB0603N
LL---322	4	LCV0124P	LOPCROSV	LPM0504[illegible]	LPT0140M
LL---323	4	LCV0124P	LOPCROSV	LPM0504S	LPT0140M
LL---324	4	LCV0124P	LOPCROSV	LPT0140M	UCB0603N
LL---325	4	LCV0126P	LPM0504M	LPT0140S	LPT0140Y
LL---326	4	LCV0126P	LPM0504R	LPT0140S	LPT0140Y
LL---327	4	LCV0126P	LPM0504S	LPT0140S	LPT0140Y
LL---328	4	LCV0126P	LPT0140S	LPT0140Y	UCB0603N
LL---329	4	LCV0448P	LMV4706P	LOPCROSV	LPM0141M
LL---330	4	LCV0448P	LMV4706P	LOPCROSV	LPM0141S
LL---331	4	LCV0448P	LMV4706P	LOPCROSV	UCB0404N
LL---332	4	LCV0448P	LMV4716P	LOPCROSV	LPM0141M

LL---333	4	LCV0448P	LMV4716P	LOPCROSV	LPM0141S
LL---334	4	LCV0448P	LMV4716P	LOPCROSV	UCB0404N
LL---335	4	LCV0448P	LOPCROSV	LPM0141M	LPT0140M
LL---336	4	LCV0448P	LOPCROSV	LPM0141S	LPT0140M
LL---337	4	LCV0448P	LOPCROSV	LPT0140M	UCB0404N
LL---338	4	LCV0532P	LPM0141M	LPT0140S	LPT0140Y
LL---339	4	LCV0532P	LPM0141R	LPT0140S	LPT0140Y
LL---340	4	LCV0532P	LPM0141S	LPT0140S	LPT0140Y
LL---341	4	LCV0532P	LPT0140S	LPT0140Y	UCB0404N
LL---342	4	LMV4705P	LMV4706P	LPM0141M	LPM0504M
LL---343	4	LPM0141M	LPM0504M	LPT0140S	LPT0140Y
LL---344	4	LPM0141M	LPM0504R	LPT0140S	LPT0140Y
LL---345	4	LPM0141M	LPM0504S	LPT0140S	LPT0140Y
LL---346	4	LPM0141M	LPT0140S	LPT0140Y	LXV0533X
LL---347	4	LPM0141M	LPT0140S	LPT0140Y	LXV0538X
LL---348	4	LPM0141M	LPT0140S	LPT0140Y	LXV0542X
LL---349	4	LPM0141M	LPT0140S	LPT0140Y	UCB0603N
LL---350	4	LPM0141R	LPM0504M	LPT0140S	LPT0140Y
LL---351	4	LPM0141R	LPM0504R	LPT0140S	LPT0140Y
LL---352	4	LPM0141R	LPM0504S	LPT0140S	LPT0140Y
LL---353	4	LPM0141R	LPT0140S	LPT0140Y	LXV0533X
LL---354	4	LPM0141R	LPT0140S	LPT0140Y	LXV0538X
LL---355	4	LPM0141R	LPT0140S	LPT0140Y	LXV0542X
LL---356	4	LPM0141R	LPT0140S	LPT0140Y	UCB0603N
LL---357	4	LPM0141S	LPM0504M	LPT0140S	LPT0140Y
LL---358	4	LPM0141S	LPM0504R	LPT0140S	LPT0140Y
LL---359	4	LPM0141S	LPM0504S	LPT0140S	LPT0140Y
LL---360	4	LPM0141S	LPT0140S	LPT0140Y	LXV0533X
LL---361	4	LPM0141S	LPT0140S	LPT0140Y	LXV0538X

LL---362	4	LPM0141S	LPT0140S	LPT0140Y	LXV0542X	
LL---363	4	LPM0141S	LPT0140S	LPT0140Y	UCB0603N	
LL---364	4	LPM0504M	LPT0140S	LPT0140Y	LXV0127X	
LL---365	4	LPM0504M	LPT0140S	LPT0140Y	LXV0469X	
LL---366	4	LPM0504M	LPT0140S	LPT0140Y	LXV471AX	
LL---367	4	LPM0504M	LPT0140S	LPT0140Y	UCB0404N	
LL---368	4	LPM0504R	LPT0140S	LPT0140Y	LXV0127X	
LL---369	4	LPM0504R	LPT0140S	LPT0140Y	LXV0469X	
LL---370	4	LPM0504R	LPT0140S	LPT0140Y	LXV471AX	
LL---371	4	LPM0504R	LPT0140S	LPT0140Y	UCB0404N	
LL---372	4	LPM0504S	LPT0140S	LPT0140Y	LXV0127X	
LL---373	4	LPM0504S	LPT0140S	LPT0140Y	LXV0469X	
LL---374	4	LPM0504S	LPT0140S	LPT0140Y	LXV471AX	
LL---375	4	LPM0504S	LPT0140S	LPT0140Y	UCB0404N	
LL---376	4	LPT0140S	LPT0140Y	LXV0127X	UCB0603N	
LL---377	4	LPT0140S	LPT0140Y	LXV0469X	UCB0603N	
LL---378	4	LPT0140S	LPT0140Y	LXV0533X	UCB0404N	
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LL---380	4	LPT0140S	LPT0140Y	LXV0542X	UCB0404N	
LL---381	4	LPT0140S	LPT0140Y	LXV471AX	UCB0603N	
LL---382	4	LPT0140S	LPT0140Y	UCB0404N	UCB0603N	
LL---383	5	CRV0003O	ICB1D103	NROSP51M	UGE3G3SD	UG2G03M
LL---384	5	CRV0003O	ICB1P101	NROSP51M	UGE3G3SD	UG2G03M
LL---385	5	CRV0003O	ICB2D203	NROSP51M	UGE2G02M	UGE3G2SD
LL---386	5	CRV0003O	ICB2P101	NROSP51M	UGE2G02M	UGE3G2SD

LL---387	S	CRV00030	LCV0124P	NROSP51M	UGE2G03R	UGE3G03M
LL---388	S	CRV00030	LCV0124P	NROSP51M	UGE2G03R	UGE3G03R
LL---389	S	CRV00030	LCV0124P	NROSP51M	UGE2G03R	UGE3G3SD
LL---390	S	CRV00030	LCV0124P	NROSP51M	UGE3G03M	UG2G03M
LL---391	S	CRV00030	LCV0124P	NROSP51M	UGE3G03R	UG2G03M
LL---392	S	CRV00030	LCV0124P	NROSP51M	UGE3G3SD	UG2G03M
LL---393	S	CRV00030	LCV0126P	NROSP51M	UGE2G03R	UGE3G03M
LL---394	S	CRV00030	LCV0126P	NROSP51M	UGE2G03R	UGE3G03R
LL---395	S	CRV00030	LCV0126P	NROSP51M	UGE2G03R	UGE3G3SD
LL---396	S	CRV00030	LCV0126P	NROSP51M	UGE3G03M	UG2G03M
LL---397	S	CRV00030	LCV0126P	NROSP51M	UGE3G03R	UG2G03M
LL---398	S	CRV00030	LCV0126P	NROSP51M	UGE3G3SD	UG2G03M
LL---399	S	CRV00030	LCV0448P	NROSP51M	UGE2G02M	UGE3G02M
LL---400	S	CRV00030	LCV0448P	NROSP51M	UGE2G02M	UGE3G02R
LL---401	S	CRV00030	LCV0448P	NROSP51M	UGE2G02M	UGE3G2SD

LL---402	5	CRV00030	LCV0448P	NROSP51M	UGE2G02R	UGE3G02M
LL---403	5	CRV00030	LCV0448P	NROSP51M	UGE2G02R	UGE3G02R
LL---404	5	CRV00030	LCV0448P	NROSP51M	UGE2G02R	UGE3G2SD
LL---405	5	CRV00030	LCV0532P	NROSP51M	UGE2G02M	UGE3G02M
LL---406	5	CRV00030	LCV0532P	NROSP51M	UGE2G02M	UGE3G02R
LL---407	5	CRV00030	LCV0532P	NROSP51M	UGE2G02M	UGE3G2SD
LL---408	5	CRV00030	LCV0532P	NROSP51M	UGE2G02R	UGE3G02M
LL---409	5	CRV00030	LCV0532P	NROSP51M	UGE2G02R	UGE3G02R
LL---410	5	CRV00030	LCV0532P	NROSP51M	UGE2G02R	UGE3G2SD
LL---411	5	CRV00030	LPM0141M	NROSP51M	UCB0633N	UGE3G03M
LL---412	5	CRV00030	LPM0141M	NROSP51M	UCB0613N	UGE3G03R
LL---413	5	CRV00030	LPM0141M	NROSP51M	UCB0613N	UGE3G3SD
LL---414	5	CRV00030	LPM0141M	NROSP51M	UFTAX51M	UGE2G03R
LL---415	5	CRV00030	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M

LL---415 5 CRV00030 LPM0141M NROSP51M UGE2G03R UGF3G03R

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LL---428 5 CRV00030 LPM0141S NROSP51M UCB0613N UGE3G03M

LL---429 5 CRV00030 LPM0141S NROSP51M UCB0613N UGE3G03R

LL---430 5 CRV00030 LPM0141S NROSP51M UCB0613N UGE3G3SD

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LL---433    S   CRV00030  LPM0141S  NROSP51M  UGE2G03R  UGE3G03R
LL---434    S   CRV00030  LPM0141S  NROSP51M  UGE2G03R  UGE3G3SD
LL---435    S   CRV00030  LPM0141S  NROSP51M  UGE3G03M  UG2G03M
LL---436    S   CRV00030  LPM0141S  NROSP51M  UGE3G03R  UG2G03M
LL---437    S   CRV00030  LPM0141S  NROSP51M  UGE3G3SD  UG2G03M
LL---438    S   CRV00030  LPM0504M  NROSP51M  UCB0413N  UGE3G02M
LL---439    S   CRV00030  LPM0504M  NROSP51M  UCB0413N  UGE3G02R
LL---440    S   CRV00030  LPM0504M  NROSP51M  UCB0413N  UGL3G2SD
LL---441    S   CRV00030  LPM0504M  NROSP51M  FTAX51M   UGE2G02R
LL---442    S   CRV00030  LPM0504M  NROSP51M  UGE2G02M  UGE3G02M
LL---443    S   CRV00030  LPM0504M  NROSP51M  UGE2G02M  UGE3G02R
LL---444    S   CRV00030  LPM0504M  NROSP51M  UGE2G02M  UGE3G2SD
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LL---445	5	CRV00030	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
LL---446	5	CRV00030	LPM0504M	NROSP51M	UGE2G02R	UGE3G[illegible]
LL---447	5	CRV00030	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
LL---448	5	CRV00030	LPM0504R	NROSP51M	UCB0413N	UGE3G2SD
LL---449	5	CRV00030	LPM0504R	NROSP51M	UGE2G02M	UGE3G02M
LL---450	5	CRV00030	LPM0504R	NROSP51M	UGE2G02M	UGE3G[illegible]R
LL---451	5	CRV00030	LPM0504R	NROSP51M	UGE2G02M	UGE3G2SD
LL---452	5	CRV00030	LPM0504R	NROSP51M	UGE2G02R	UGE3G02M
LL---453	5	CRV00030	LPM0504R	NROSP51M	UGE2G02R	UGE3G02R
LL---454	5	CRV00030	LPM0504R	NROSP51M	UGE2G02R	UGE3G2SD
LL---455	5	CRV00030	LPM0504S	NROSP51M	UCB0413N	UGE3G02M
LL---456	5	CRV00030	LPM0504S	NROSP51M	UCB0413N	UGE3G02R
LL---457	5	CRV00030	LPM0504S	NROSP51M	UCB0413N	UGE3G2SD
LL---458	5	CRV00030	LPM0504S	NROSP51M	UFTAX51M	UGE2G02R
LL---459	5	CRV00030	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M

LL---460 5 CRV00030 LPM0504S NROSP51M UGE2G02M UGE3G02R

LL---461 5 CRV00030 LPM0504S NROSP51M UGE2G02M UGE3G2SD

LL---462 5 CRV00030 LPM0504S NROSP51M UGE2G02R UGE3G02M

LL---463 5 CRV00030 LPM0504S NROSP51M UGE2G02R UGE3G02R

LL---464 5 CRV00030 LPM0504S NROSP51M UGE2G02R UGE3G2SD

LL---465 5 CRV00030 LXV0127X NROSP51M UGE2G03R UGE3G03M

LL---466 5 CRV00030 LXV0127X NROSP51M UGE2G03R UGE3G03R

LL---467 5 CRV00030 LXV0127X NROSP51M UGE2G03R UGE3G3SD

LL---468 5 CRV00030 LXV0127X NROSP51M UGE3G03M UG2G03M

LL---469 5 CRV00030 LXV0127X NROSP51M UGE3G03R UG2G03M

LL---470 5 CRV00030 LXV0127X NROSP51M UGE3G3SD UG2G03M

LL---471 5 CRV00030 LXV0469X NROSP51M UGE2G03R UGE3G03M

LL---472 5 CRV00030 LXV0469X NROSP51M UGE2G03R UGE3G03R

LL---473 5 CRV00030 LXV0469X NROSP51M UGE2G03R UGE3G3SD

LL---474	5	CRV00030	LXV0469X	NROSP51M	UGE3G03M	UG2G03M
LL---475	5	CRV00030	LXV0469X	NROSP51M	UGE3G03R	UG2G03M
LL---476	5	CRV00030	LXV0469X	NROSP51M	UGE3G3SD	UG2G03M
LL---477	5	CRV00030	LXV0533X	NROSP51M	UGE2G02M	UGE3G02M
LL---478	5	CRV00030	LXV0533X	NROSP51M	UGE2G02M	UGE3G02R
LL---479	5	CRV00030	LXV0533X	NROSP51M	UGE2G02M	UGE3G2SD
LL---480	5	CRV00030	LXV0533X	NROSP51M	UGE2G02R	UGE3G02M
LL---481	5	CRV00030	LXV0533X	NROSP51M	UGE2G02R	UGE3G02R
LL---482	5	CRV00030	LXV0533X	NROSP51M	UGE2G02R	UGE3G2SD
LL---483	5	CRV00030	LXV0538X	NROSP51M	UGE2G02M	UGE3G02M
LL---484	5	CRV00030	LXV0538X	NROSP51M	UGE2G02M	UGE3G02R
LL---485	5	CRV00030	LXV0538X	NROSP51M	UGE2G02M	UGE3G2SD
LL---486	5	CRV00030	LXV0538X	NROSP51M	UGE2G02R	UGE3G02M
LL---487	5	CRV00030	LXV0538X	NROSP51M	UGE2G02R	UGE3G02R
LL---488	5	CRV00030	LXV0538X	NROSP51M	UGE2G02R	UGE3G2SD

LL---489	5	CRV00030	LXV0542X	NROSP51M	UGE2G02M	UGE3G02M
LL---490	5	CRV00030	LXV0542X	NROSP51M	UGE2G02M	UGE3G02R
LL---491	5	CRV00030	LXV0542X	NROSP51M	UGE2G02M	UGE3G2SD
LL---492	5	CRV00030	LXV0542X	NROSP51M	UGE2G02R	UGE3G02M
LL---493	5	CRV00030	LXV0542X	NROSP51M	UGE2G02R	UGE3G02R
LL---494	5	CRV00030	LXV0542X	NROSP51M	UGE2G02R	UGE3G2SD
LL---495	5	CRV00030	LXV471AX	NROSP51M	UGE2G03R	UGE3G03M
LL---496	5	CRV(	LXV471AX	NROSP51M	UGE2G03R	UGE3G03R
LL---497	5	CRV00030	LXV471AX	NROSP51M	UGE2G03[illegible]	UGE3G3SD
LL---498	5	CRV00030	LXV471AX	NROSP51M	UGE3G03M	UG2G03M
LL---499	5	CRV00030	LXV471AX	NROSP51M	UGE3G03R	UG2G03M
LL---500	5	CRV00030	LXV471AX	NROSP51M	UGE3G3SD	UG2G03M
LL---501	5	CRV00030	NROSP51M	UCB0404N	UCB0613N	UGE3G03M
LL---502	5	CRV00030	NROSP51M	UCB0404N	UCB0613N	UGE3G03R

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LL---503    S   CRV00030  NROSP51M  UCB0404N  UCB0613N  UGE3G3SD

LL---504    S   CRV00030  NROSP51M  UCB0404N  UFTAX51M  UGE2G03R

LL---505    S   CRV00030  NROSP51M  UCB0404N  UGE2G03R  UGE3G03M

LL---506    S   CRV00030  NROSP51M  UCBJ404N  UGE2G03R  UGE3G03R

LL---507    S   CRV00030  NROSP51M  UCB0404N  UGE2G03R  UGE3G3SD

LL---508    S   CRV00030  NROSP51M  UCB0404N  UGE3G03M  UG2G03M

LL---509    S   CRV00030  NROSP51M  UCB0404N  UGE3G03R  UG2G03M

LL---510    S   CRV00030  NROSP51M  UCB0404N  UGE3G3SD  UG2G03M

LL---511    S   CRV00030  NROSP51M  UCB0413N  UCB0603N  UGE3G02M

LL---512    S   CRV00030  NROSP51M  UCB0413N  UCB0603N  UGE3G02R

LL---513    S   CRV00030  NROSP51M  UCB0413N  UCB0603N  UGE3G2SD

LL---514    S   CRV00030  NROSP51M  UCB0413N  UFTAX51M  UGE2G03R

LL---515    S   CRV00030  NROSP51M  UCB0603N  UFTAX51M  UGE2G02R

LL---516    S   CRV00030  NROSP51M  UCB0603N  UGE2G02M  UGE3G02M

LL---517    S   CRV00030  NROSP51M  UCB0603N  UGE2G02M  UGE3G02R
```

LL---518 5 CRV00030 NROSP51M UCB0603N UGE2G02M UGE3G2SD

LL---519 5 CRV00030 NROSP51M UCB0603N UGE2G02R UGE3G02M

LL---520 5 CRV00030 NROSP51M UCb0603N UGE2G02R UGE3G02R

LL---521 5 CRV00030 NROSP51M UCB0403N UGE2G02R UGE3G2SD

LL---522 5 CRV00030 NROSP51M UCB0613N UFTAX51M UGE2G02R

LL---523 5 CRV00030 NROSP51M UFTACBN UGE2G02M UG2G03M

LL---524 5 CRV00030 NROSP51M UFTACBN UGE2G02R UG2G03M

LL---525 5 IBEB009N LPM0504M NROSP51M UGE2G02M UGE3G02M

LL---526 5 IBEB009N LPM0504M NROSP51M UGE2G02M UGE3G02R

LL---527 5 IBEB009N LPM0504M NROSP51M UGE2G02M UGE3G2SD

LL---528 5 IBEb009N LPM0504M NROSP51M UGE2G02R UGE3G02M

LL---529 5 IBEB009N LPM0504M NROSP51M UGE2G02R UGE3G2SD

LL---530 5 IBEB009N LPM0504S NROSP51M UGE2G02M UGE3G02M

LL---531 5 IBEB009N LPM0504S NROSP51M UGE2G02M UGE3G02R

LL---532	5	IBEB009N	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD
LL---533	5	IBEB009N	LPM0504S	NROSP51M	UGE2G02R	UGE3G[illegible]2M
LL---534	5	IBEB009N	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
LL---535	5	IBEB009N	NROSP51M	UC[illegible]603N	UGE2G02M	UGE3G02M
LL---536	5	IBEB009N	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL---537	5	IBEB009N	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD
LL---538	5	IBEB009N	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
LL---539	5	IBEB009N	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
LL---540	5	ICB1D103	LMV4716P	NROSP51M	UGE2G03R	UGE3G03M
LL---541	5	ICB1D103	LMV4716P	NROSP51M	UGE2G03R	UGE3G3SD
LL---542	5	ICB1D103	LMV4716P	NROSP51M	UGE3G03M	UG2G03M
LL---543	5	ICB1D103	LMV4716P	NROSP51M	UGE3G03R	UG2G03M
LL---544	5	ICB1D103	LMV4716P	NROSP51M	UGE3G3SD	UG2G03M
LL---545	5	ICB1D103	LOPORFIL	NROSP51M	UGE3G3SD	UG2G03M
LL---546	5	ICB1D103	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M

LL---547 5 ICB1D103 LPT0140M NROSP51M UGE2G03R UGE3G03R

LL---548 5 ICB1D103 LPT0140M NROSP51M UGE2G03R UGE3G3SD

LL---549 5 ICB1D103 LPT0140M NROSP51M UGE3G03M UG2G03M

LL---550 5 ICB1D103 LPT0140M NROSP51M UGE3G03R UG2G03M

LL---551 5 ICB1D103 LPT0140M NROSP51M UGE3G3SD UG2G03M

LL---552 5 ICB1P101 LMV4716P NROSP51M UGE2G03R UGE3G03M

LL---553 5 ICB1P101 LMV4716P NROSP51M UGE2G03R UGE3G3SD

LL---554 5 ICB1P101 LMV4716P NROSP51M UGE3G03M UG2G03M

LL---555 5 ICB1P101 LMV4716P NROSP51M UGE3G03R UG2G03M

LL---556 5 ICB1P101 LMV4716P NROSP51M UGE3G3SD UG2G03M

LL---557 5 ICB1P101 LOPORFIL NROSP51M UGE3G3SD UG2G03M

LL---558 5 ICB1P101 LPT0140M NROSP51M UGE2G03R UGE3G03M

LL---559 5 ICB1P101 LPT0140M NROSP51M UGE2G03R UGE3G03R

LL---560 5 ICB1P101 LPT0140M NROSP51M UGE2G03R UGE3G3SD

```
LL---561    S   ICB1P101  LPT0140M  NROSP51M  UGE3G03M  UG2G03M

LL---562    S   ICB1P101  LPT0140M  NROSP51M  UGE3G03R  UG2G03M

LL---563    S   ICB1P101  LPT0140M  NROSP51M  UGE3G3SD  UG2G03M

LL---564    S   ICB2D203  LMV4716P  NROSP51M  UGE2G02M  UGE3G02M

LL---565    S   ICB2D203  LMV4716P  NROSP51M  UGE2G02M  UGE3G02R

LL---566    S   ICB2D203  LMV4716P  NROSP51M  UGE2G02M  UGE3G2SD

LL---567    S   ICB2D203  LMV4716P  NROSP51M  UGE2G02R  UGE3G02M

LL---568    S   ICB2D203  LMV4716P  NROSP51M  UGE2G02R  UGE3G2SD

LL---569    S   ICB2D203  LOPORFIL  NROSP51M  UGE2G02M  UGE3G2SD

LL---570    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02M  UGE3G02M

LL---571    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02M  UGE3G02R

LL---572    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02M  UGE3G2SD

LL---573    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02R  UGE3G02M

LL---574    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02R  UGE3G02R

LL---575    S   ICB2D203  LPT0140M  NROSP51M  UGE2G02R  UGE3G2SD
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LL---576 S ICB2P101 LMV4716P NROSP51M UGE2G02M UGE3G02M

LL---577 S ICB2P101 LMV4716P NROSP51M UGE2G02M UGE3G02R

LL---578 S ICB2P101 LMV4716P NROSP51M UGE2G02M UGE3G2SD

LL---579 S ICB2P101 LMV4716P NROSP51M UGE2G02R UGE3G02M

LL---580 S ICB2P101 LMV4716P NROSP51M UGE2G02R UGE3G2SD

LL---581 S ICB2P101 LOPORFIL NROSP51M UGE2G02M UGE3G2SD

LL---582 S ICB2P101 LPT0140M NROSP51M UGE2G02M UGE3G02M

LL---583 S ICB2P101 LPT0140M NROSP51M UGE2G02M UGE3G02R

LL---584 S ICB2P101 LPT0140M NROSP51M UGE2G02M UGE3G2SD

LL---585 S ICB2P101 LPT0140M NROSP51M UGE2G02R UGE3G02M

LL---586 S ICB2P101 LPT0140M NROSP51M UGE2G02R UGE3G02R

LL---587 S ICB2P101 LPT0140M NROSP51M UGE2G02R UGE3G2SD

LL---588 S ICB3P106 LPM0141M NROSP51M UGE2G03R UGE3G03M

LL---589 S ICB3P106 LPM0141M NROSP51M UGE2G03R UGE3G03R

LL---590	5	ICB3P106	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD
LL---591	5	ICB3P106	LPM0141M	NROSP51M	UGE3G03M	UG2G03M
LL---592	5	ICB3P106	LPM0141M	NROSP51M	UGE3G03R	UG2G03M
LL---593	5	ICB3P106	LPM0141M	NROSP51M	UGE3G3SD	UG2G03M
LL---594	5	ICB3P106	LPM0141S	NROSP51M	UGE?G03R	UGE3G03M
LL---595	5	ICB3P106	LPM0141S	NROSP51M	UGE2G03?	UGE3G3SD
LL---596	5	ICB3P106	LPM0141S	NROSP51M	UGE3G03M	UG2G03M
LL---597	5	ICB3P106	LPM0141S	NROSP51M	UGE3G03R	UG2G03M
LL---598	5	ICB3P106	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M
LL---599	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M
LL---600	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R
LL---601	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD
LL---602	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
LL---603	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02R	UGE3G02R
LL---604	5	ICB3P106	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD

LL---605 S ICB3P106 LPM0504S NROSP51M UGE2G02M UGE3G02M

LL---606 S ICB3P106 LPM0504S NROSP51M UGE2G02M UGE3G02R

LL---607 S ICB3P106 LPM0504S NROSP51M UGE2G02M UGE3G2SD

LL---608 S ICB3P106 LPM0504S NROSP51M UGE2G02R UGE3G02M

LL---609 S ICB3P106 LPM0504S NROSP51M UGE2G02R UGE3G2SD

LL---610 S ICB3P106 NROSP51M UCB0404N UGE2G03R UGE3G03M

LL---611 S ICB3P106 NROSP51M UCB0404N UGE2G03R UGE3G3SD

LL---612 S ICB3P106 NROSP51M UCB0404N UGE3G03M UG2G03M

LL---613 S ICB3P106 NROSP51M UCB0404N UGE3G03R UG2G03M

LL---614 S ICB3P106 NROSP51M UCB0404N UGE3G3SD UG2G03M

LL---615 S ICB3P106 NROSP51M UCB0603N UGE2G02M UGE3G02M

LL---616 S ICB3P106 NROSP51M UCB0603N UGE2G02M UGE3G02R

LL---617 S ICB3P106 NROSP51M UCB0603N UGE2G02M UGE3G2SD

LL---618 S ICB3P106 NROSP51M UCB0603N UGE2G02R UGE3G02M

LL---619	S	ICB3P106	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
LL---620	S	LCV0121F	LMV4716P	NROSP51M	UGE3G3SD	UG2G03M
LL---621	S	LCV0121F	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
LL---622	S	LCV0121F	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M
LL---623	S	LCV0124P	LMV4705P	NROSP51M	UGE2G03R	UGE3G03M
LL---624	S	LCV0124P	LMV4705P	NROSP51M	UGE2G03R	UGE3G03R
LL---625	S	LCV0124P	LMV4705P	NROSP51M	UGE2G03R	UGE3G3SD
LL---626	S	LCV0124P	LMV4705P	NROSP51M	UGE3G03M	UG2G03M
LL---627	S	LCV0124P	LMV4705P	NROSP51M	UGE3G03R	UG2G03M
LL---628	S	LCV0124P	LMV4705P	NROSP51M	UGE3G3SD	UG2G03M
LL---629	S	LCV0124P	LMV4705R	NROSP51M	UGE2G03R	UGE3G03M
LL---630	S	LCV0124P	LMV4705R	NROSP5[illegible]	UGE2G03R	UGE3G3SD
LL---631	S	LCV0124P	LMV4705R	NROSP51M	UGE3G03M	UG2G03M
LL---632	S	LCV0124P	LMV4705R	NROSP51M	UGE3G03R	UG2G03M
LL---633	S	LCV0124P	LMV4705R	NROSP51M	UGE3G3SD	UG2G03M

LL---634 5 LCV0124P [illegible]MV4716P NROSP51M UGE2G03R UGE3G03M

LL---635 5 LCV0124P LMV4716P NROSP51M UGE2G03R UGE3G03R

LL---636 5 LCV0124P LMV4716P NROSP51M UGE2G03R UGE3G3SD

LL---637 5 LCV0124P LMV4716P NROSP51M UGE3G03M UG2G03M

LL---638 5 LCV0124P LMV4716P NROSP51M UGE2G03R UG2G03M

LL---639 5 LCV0124P LMV4716P NROSP51M UGE3G3SD UG2G03M

LL---640 5 LCV0124P LMV4730P NROSP51M UGE2G03R UGE3G03M

LL---641 5 LCV0124P LMV4730P NROSP51M UGE2G03R UGE3G03R

LL---642 5 LCV0124P LMV4730P NROSP51M UGE2G03R UGE3G3SD

LL---643 5 LCV0124P LMV4730P NROSP51M UGE3G03M UG2G03M

LL---644 5 LCV0124P LMV4730P NROSP51M UGE3G03R UG2G03M

LL---645 5 LCV0124P LMV4730P NROSP51M UGE3G3SD UG2G03M

LL---646 5 LCV0124P LOPCROSV LPM0504M LPT0140S LPT0140Y

LL---647 5 LCV0124P LOPCROSV LPM0504R LPT0140S LPT0140Y

LL---648	S	LCV0124P	LOPCROSV	LPM0504S	LPT0140S	LPT0140Y
LL---649	S	LCV0124P	LOPCROSV	LPT0140S	LPT0140Y	UCB0403N
LL---650	S	LCV0124P	LOPORFIL	NROSP51M	UGE2G03R	UGE3G03M
LL---651	S	LCV0124P	LOPORFIL	NROSP51M	UGE2G03R	UGE3G3SD
LL---652	S	LCV0124P	LOPORFIL	NROSP51M	UGE3G03M	UG2G03M
LL---653	S	LCV0124P	LOPORFIL	NROSP51M	UGE3G03R	UG2G03M
LL---654	S	LCV0124P	LOPORFIL	NROSP51M	UGE3G3SD	UG2G03M
LL---655	S	LCV0124P	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
LL---656	S	LCV0124P	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R
LL---657	S	LCV0124P	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
LL---658	S	LCV0124P	LPT0140M	NROSP51M	UGE3G03M	UG2G03M
LL---659	S	LCV0124P	LPT0140M	NROSP51M	UGE3G03R	UG2G03M
LL---660	S	LCV0124P	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M
LL---661	S	LCV0126P	LMV4716P	NROSP51M	UGE2G03R	UGE3G03M
LL---662	S	LCV0126P	LMV4716P	NROSP51M	UGE2G03R	UGE3G03R

LL---663	S	LCV0126P	LMV4716P	NROSP51M	UGE2G03R	UGE3G3SD
LL---664	S	LCV0126P	LMV4716P	NROSP51M	UGE3G03M	UG2G03M
LL---665	S	LCV0126P	LMV4716P	NROSP51M	UGE3G03R	UG2G03M
LL---666	S	LCV0126P	LMV4716P	NROSP51M	UGE3G3SD	UG2G03M
LL---667	S	LCV0126P	LOPORFIL	NROSP51M	UGE2G03R	UGE3G03M
LL---668	S	LCV0126P	LOPORFIL	NROSP51M	UGE2G03R	UGE3G3SD
LL---669	S	LCV0126P	LOPORFIL	NROSP51M	UGE3G03M	UG2G03M
LL---670	S	LCV0126P	LOPORFIL	NROSP51M	UGE3G03R	UG2G03M
LL---671	S	LCV0126P	LOPORFIL	NROSP51M	UGE3G3SD	UG2G03M
LL---672	S	LCV0126P	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
LL---673	S	LCV0126P	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R
LL---674	S	LCV0126P	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
LL---675	S	LCV0126P	LPT0140M	NROSP51M	UGE3G03M	UG2G03M
LL---676	S	LCV0126P	LPT0140M	NROSP51M	UGE3G03R	UG2G03M

LL---677 S LCV0126P LPT0140M NROSP51M UGE3G3SD UG2G03M

LL---678 S LCV0448P LMV4706P NROSP51M UGE2G02M UGE3G02M

LL---679 S LCV0448P LMV4706P NROSP51M UGE2G02M UGE3G02R

LL---680 S LCV0448P LMV4706P NROSP51M UGE2G02M UGE3G2SD

LL---681 S LCV0448P LMV4706P NROSP51M UGE2G02R UGE3G02M

LL---682 S LCV0448P LMV4706P NROSP51M UGE2G02R UGE3G02R

LL---683 S LCV0448P LMV4706P NROSP51M UGE2G02R UGE3G2SD

LL---684 S LCV0448P LMV4706R NROSP51M UGE2G02M UGE3G02M

LL---685 S LCV0448P LMV4706R NROSP51M UGE2G02M UGE3G02R

LL---686 S LCV0448P LMV4706R NROSP51M UGE2G02M UGE3G2SD

LL---687 S LCV0448P LMV4706R NROSP51M UGE2G02R UGE3G02M

LL---688 S LCV0448P LMV4706R NROSP51M UGE2G02R UGE3G2SD

LL---689 S LCV0448P LMV4715P NROSP51M UGE2G02M UGE3G02M

LL---690 S LCV0448P LMV4715P NROSP51M UGE2G02M UGE3G02R

LL---691 S LCV0448P LMV4715P NROSP51M UGE2G02M UGE3G2SD

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LL---692    S   LCV0448P  LMV4715P  NROSP51M  UGE2G02R  UGE3G02M
LL---693    S   LCV0448P  LMV4715P  NROSP51M  UGE2G02R  UGE3G02R
LL---694    S   LCV0448P  LMV4715P  NROSP51M  UGE2G02R  UGE3G2SD
LL---695    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02M  UGE3G02M
LL---696    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02M  UGE3G02R
LL---697    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02M  UGE3G2SD
LL---698    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02R  UGE3G02M
LL---699    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02R  UGE3G02R
LL---700    S   LCV0448P  LMV4716P  NROSP51M  UGE2G02R  UGE3G2SD
LL---701    S   LCV0448P  LOPCROSV  LPM0141M  LPT0140S  LPT0140Y
LL---702    S   LCV0448P  LOPCROSV  LPM0141P  LPT0140S  LPT0140Y
LL---703    S   LCV0448P  LOPCROSV  LPM0141S  LPT0140S  LPT0140Y
LL---704    S   LCV0448P  LOPCROSV  LPT0140S  LPT0140Y  UCB0404N
LL---705    S   LCV0448P  LOPORFIL  NROSP51M  UGE2G02M  UGE3G02M
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LL---706	5	LCV0448P	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02R
LL---707	5	LCV0448P	LOPORFIL	NROSP51M	UGE2G02M	UGE3G2SD
LL---708	5	LCV0448P	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02M
LL---709	5	LCV0448P	LOPORFIL	NROSP51M	UGE2G02R	UGE3G2SD
LL---710	5	LCV0448P	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M
LL---711	5	[illegible]	0140M	NROSP51M	UGE2G02M	UGE3G02R
LL---712	5	LCV0[illegible]8P	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD
LL---713	5	LCV0448P	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
LL---714	5	LCV0448P	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R
LL---715	5	LCV0448P	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
LL---716	5	LCV0532P	LMV4716P	NROSP51M	UGE2G02M	UGE3G03M
LL---717	5	LCV0532P	LMV4716P	NROSP51M	UGE2G02M	UGE3G02R
LL---718	5	LCV0532P	LMV4716P	NROSP51M	UGE2G02M	UGE3G2SD
LL---719	5	LCV0532P	LMV4716P	NROSP51M	UGE2G02R	UGE3G02M
LL---720	5	LCV0532P	LMV4716P	NROSP51M	UGE2G02R	UGE3G02R

LL---721 S LCV0532P LMV4716P NROSP51M UGE2G02R UGE3G2SD

LL---722 S LCV0532P LOPORFIL NROSP51M UGE2G02M UGE3G02M

LL---723 S LCV0532P LOPORFIL NROSP51M UGE2G02M UGE3G02R

LL---724 S LCV0532P LOPORFIL NROSP51M UGE2G02M UGE3G2SD

LL---725 S LCV0532P LOPORFIL NROSP51M UGE2G02R UGE3G02M

LL---726 S LCV0532P LOPORFIL NROSP51M UGE2G02R UGE3G2SD

LL---727 S LCV0532P LPT0140M NROSP51M UGE2G02M UGE3G02M

LL---728 S LCV0532P LPT0140M NROSP51M UGE2G02M UGE3G02R

LL---729 S LCV0532P LPT0140M NROSP51M UGE2G02M UGE3G2SD

LL---730 S LCV0532P LPT0140M NROSP51M UGE2G02R UGE3G02M

LL---731 S LCV0532P LPT0140M NROSP51M UGE2G02R UGE3G02R

LL---732 S LCV0532P LPT0140M NROSP51M UGE2G02R UGE3G2SD

LL---733 S LCV0547F LMV4716P NROSP51M UGE2G02M UGE3G2SD

LL---734 S LCV0547F LPT0140M NROSP51M UGE2G02M UGE3G2SD

LL---735	5	LCV0547F	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
LL---736	5	LMV4716M	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M
LL---737	5	LMV4716M	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD
LL---738	5	LMV4716M	LPM0141M	NROSP51M	UGE3G03M	UG2G03M
LL---739	5	LMV4716M	LPM0141M	NROSP51M	UGE3G03R	UG2G03M
LL---740	5	LMV4716M	LPM0141M	NROSP51M	UGE3G3SD	UG2G03M
LL---741	5	LMV4716M	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M
LL---742	5	LMV4716M	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD
LL---743	5	LMV4716M	LPM0141S	NROSP51M	UGE3G03M	UG2G03M
LL---744	5	LMV4716M	LPM0141S	NROSP51M	UGE3G03R	UG2G03M
LL---745	5	LMV4716M	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M
LL---746	5	LMV4716M	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M
LL---747	5	LMV4716M	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R
LL---748	5	LMV4716M	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD
LL---749	5	LMV4716M	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M

LL---750	5	LMV4716M	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
LL---751	5	LMV4716M	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M
LL---752	5	LMV4716M	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R
LL---753	5	LMV4716M	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD
LL---754	5	LMV4716M	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M
LL---755	5	LMV4716M	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
LL---756	5	LMV4716M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL---757	5	LMV4716M	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL---758	5	LMV4716M	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL---759	5	LMV4716M	NROSP51M	UCB0404N	UGE3G03R	UG2G03M
LL---760	5	LMV4716M	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M
LL---761	5	LMV4716M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M
LL---762	5	LMV4716M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL---763	5	LMV4716M	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD

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LL---764    5   LMV4716M  NROSP51M  UCB0603N  UGE2G02R  UGE3G02M
LL---765    5   LMV4716M  NROSP51M  UCB0603N  UGE2G02R  UGE3G2SD
LL---766    5   LMV4716P  LPM0141M  NROSP51M  UCB9613N  UGE3G03M
LL---767    5   LMV4716P  LPM0141M  NROSP51M  UCB0613N  UGE3G03R
LL---768    5   LMV4716P  LPM0141M  NROSP51M  UCB0613N  UGE3G3SD
LL---769    5   LMV4716P  LPM0141M  NROSP51M  UFTAX51M  UGE2G03R
LL---770    5   LMV4716P  LPM0141M  NROSP51M  UGE2G03R  UGE3G03M
LL---771    5   LMV4716P  LPM0141M  NROSP51M  UGE2G03R  UGE3G03R
LL---772    5   LMV4716P  LPM0141M  NROSP51M  UGE2G03R  UGE3G3SD
LL---773    5   LMV4716P  LPM0141M  NROSP51M  UGE3G03M  UG2G03M
LL---774    5   LMV4716P  LPM0141M  NROSP51M  UGE3G03R  UG2G03M
LL---775    5   LMV4716P  LPM0141M  NROSP51M  UGE3G3SD  UG2G03M
LL---776    5   LMV4716P  LPM0141R  NROSP51M  UCB0613N  UGE3G03M
LL---777    5   LMV4716P  LPM0141R  NROSP51M  UCB0613N  UGE3G03R
LL---778    5   LMV4716P  LPM0141R  NROSP51M  UCB0613N  UGE3G3SD
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LL---779    5   LMV4716P  LPM0141R  NROSP51M  UFTAX51M  UGE2G03R
LL---780    5   LMV4716P  LPM0141R  NROSP51M  UGE2G03R  UGE3G03M
LL---781    5   LMV4716P  LPM0141R  NROSP51M  UGE2G03R  UGE3G03R
LL---782    5   LMV4716P  LPM0141R  NROSP51M  UGE2G03R  UGE3G3SD
LL---783    5   LMV4716P  LPM0141R  NROSP51M  UGE3G03M  UG2G03M
LL---784    5   LMV4716P  LPM0141R  NROSP51M  UGE3G03R  UG2G03M
LL---785    5   LMV4716P  LPM0141R  NROSP51M  UGE3G3SD  UG2G03M
LL---786    5   LMV4716P  LPM0141S  NROSP51M  UCB0613N  UGE3G03M
LL---787    5   LMV4716P  LPM0141S  NROSP51M  UCB0613N  UGE3G03R
LL---788    5   LMV4716P  LPM0141S  NROSP51M  UCB0613N  UGE3G3SD
LL---789    5   LMV4716P  LPM0141S  NROSP51M  UFTAX51M  UGE2G03R
LL---790    5   LMV4716P  LPM0141S  NROSP51M  UGE2G03R  UGE3G03M
LL---791    5   LMV4716P  LPM0141S  NROSP51M  UGE2G03R  UGE3G03R
LL---792    5   LMV4716P  LPM0141S  NROSP51M  UGE2G03R  UGE3G3SD
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LL---793	S	LMV4716P	LPM0141S	NROSP51M	UGE3G03M	UG2G03M
LL---794	S	LMV4716P	LPM0141S	NROSP51M	UGE3G03R	UG2G03M
LL---795	S	LMV4716P	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M
LL---796	S	LMV4716P	LPM0504M	NROSP51M	UCB0413N	UGE3G02M
LL---797	S	LMV4716P	LPM0504M	NROSP51M	UCB0413N	UGE3G02R
LL---798	S	LMV4716P	LPM0504M	NROSP51M	UCB0413N	UGE3G2SD
LL---799	S	LMV4716P	LPM0504M	NROSP51M	UFTAX51M	UGE2G02R
LL---800	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M
LL---801	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R
LL---802	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD
LL---803	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
LL---804	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02R	UGE3G02R
LL---805	S	LMV4716P	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
LL---806	S	LMV4716P	LPM0504R	NROSP51M	UCB0413M	UGE3G02M
LL---807	S	LMV4716P	LPM0504R	NROSP51M	UCB0413N	UGE3G02R

LL---808	5	LMV4716P	LPM0504R	NROSP51M	UCB0413N	UGE3G2SD
LL---809	5	LMV4716P	LPM0504R	NROSP51M	UFTAX51M	UGE2G02R
LL---810	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02M	UGE3G02M
LL---811	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02M	UGE3G02R
LL---812	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02M	UGE3G2SD
LL---813	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02R	UGE3G02M
LL---814	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02R	UGE3G02R
LL---815	5	LMV4716P	LPM0504R	NROSP51M	UGE2G02R	UGE3G2SD
LL---816	5	LMV4716P	LPM0504S	NROSP51M	UCB0413N	UGE3G02M
LL---817	5	LMV4716P	LPM0504S	NROSP51M	UCB0413N	UGE3G02R
LL---818	5	LMV4716P	LPM0504S	NROSP51M	UCB0413N	UGE3G2SD
LL---819	5	LMV4716P	LPM0504S	NROSP51M	UFTAX51M	UGE2G02R
LL---820	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M
LL---821	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R

LL---822	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD
LL---823	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M
LL---824	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02R	UGE3G02R
LL---825	5	LMV4716P	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
LL---826	5	LMV4716P	LXV0127X	NROSP51M	UGE2G03R	UGE3G03M
LL---827	5	LMV4716P	LXV0127X	NROSP51M	UGE2G03R	UGE3G03R
LL---828	5	LMV4716P	LXV0127X	NROSP51M	UGE2G03R	UGE3G3SD
LL---829	5	LMV4716P	LXV0127X	NROSP51M	UGE3G03R	UG2G03M
LL---830	5	LMV4716P	LXV0127X	NROSP51M	UGE3G03R	UG2G03M
LL---831	5	LMV4716P	LXV0127X	NROSP51M	UGE3G3SD	UG2G03M
LL---832	5	LMV4716P	LXV0469X	NROSP51M	UGE2G03R	UGE3G03M
LL---833	5	LMV4716P	LXV0469X	NROSP51M	UGE2G03R	UGE3G03R
LL---834	5	LMV4716P	LXV0469X	NROSP51M	UGE2G03R	UGE3G3SD
LL---835	5	LMV4716P	LXV0469X	NROSP51M	UGE3G03M	UG2G03M
LL---836	5	LMV4716P	LXV0469X	NROSP51M	UGE3G03R	UG2G03M

LL---837	5	LMV4716P	LXV0469X	NROSP51M	UGE3G3SD	UG2G03M
LL---838	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02M	UGE3G02M
LL---839	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02M	UGE3G02R
LL---840	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02M	UGE3G2SD
LL---841	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02R	UGE3G02M
LL---842	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02R	UGE3G02R
LL---843	5	LMV4716P	LXV0533X	NROSP51M	UGE2G02R	UGE3G2SD
LL---844	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02M	UGE3G02M
LL---845	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02M	UGE3G02R
LL---846	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02M	UGE3G2SD
LL---847	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02R	UGE3G02M
LL---848	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02R	UGE3G02R
LL---849	5	LMV4716P	LXV0538X	NROSP51M	UGE2G02R	UGE3G2SD
LL---850	5	LMV4716P	LXV0542X	NROSP51M	UGE2G02M	UGE3G02M

LL---851 S LMV4716P LXV0542X NROSP51M UGE2G02M UGE3G02R

LL---852 S LMV4716P LXV0542X NROSP51M UGE2G02M UGE3G2SD

LL---853 S LMV4716P LXV0542X NROSP51M UGE2G02R UGE3G02M

LL---854 S LMV4716P LXV0542X NROSP51M UGE2G02R UGE3G02R

LL---855 S LMV4716P LXV0542X NROSP51M UGE2G02R UGE3G2SD

LL---856 S LMV4716P LXV471AX NROSP51M UGE2G03R UGE3G03M

LL---857 S LMV4716P LXV471AX NROSP51M UGE2G03R UGE3G03R

LL---858 S LMV4716P LXV471AX NROSP51M UGE2G03R UGE3G3SD

LL---859 S LMV4716P LXV471AX NROSP51M UGE3G03M UG2G03M

LL---860 S LMV4716P LXV471AX NROSP51M UGE3G03R UG2G03M

LL---861 S LMV4716P LXV471AX NROSP51M UGE3G3SD UG2G03M

LL---862 S LMV4716P NROSP51M UCB0404N UCB0613N UGE3G03M

LL---863 S LMV4716P NROSP51M UCB0404N UCB0613N UGE3G03R

LL---864 S LMV4716P NROSP51M UCB0404N UCB0613N UGE3G3SD

LL---865 S LMV4716P NROSP51M UCB0404N UFTAX51M UGE2G03R

LL---866 5 LMV4716P NROSP51M UCB0404N UGE2G03R UGE3G03M

LL---867 5 LMV4716P NROSP51M UCB0404N UGE2G03R UGE3G03R

LL---868 5 LMV4716P NROSP51M UCB0404N UGE2G03R UGE3G3SD

LL---869 5 LMV4716P NROSP51M UCB0404N UGE3G03M UG2G03M

LL---870 5 LMV4716P NROSP51M UCB0404N UGE3G03R UG2G03M

LL---871 5 LMV4716P NROSP51M UCB0404N UGE3G3SD UG2G03M

LL---872 5 LMV4716P NROSP51M UCB0413N UCB0603N UGE3G02M

LL---873 5 LMV4716P NROSP51M UCB0413N UCB0603N UGE3G02R

LL---874 5 LMV4716P NROSP51M UCB0413N UCB0603N UGE3G2SD

LL---875 5 LMV4716P NROSP51M UCB0413N UFTAX51M UGE2G03R

LL---876 5 LMV4716P NROSP51M UCB0603N UFTAX51M UGE2G02R

LL---877 5 LMV4716P NROSP51M UCB0603N UGE2G02M UGE3G02M

LL---878 5 LMV4716P NROSP51M UCB0603N UGE2G02M UGE3G02R

LL---879 5 LMV4716P NROSP51M UCB0603N UGE2G02M UGE3G2SD

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LL---880    S   LMV4716P  NROSP51M  UCB0603N  UGE2G02R  UGE3G02M
LL---881    S   LMV4716P  NROSP51M  UCB0603N  UGE2G02R  UGE3G02R
LL---882    S   LMV4716P  NROSP51M  UCB0603N  UGE2G02R  UGE3G2SD
LL---883    S   LMV4716P  NROSP51M  UCB0613N  UFTAX51M  UGE2G02R
LL---884    S   LMV4716P  NROSP51M  UFTACBN   UGE2G02M  UG2G03M
LL---885    S   LMV4716P  NROSP51M  UFTACBN   UGE2G02R  UG2G03M
LL---886    S   LOPORFIL  LPM0141M  NROSP51M  UCB0613N  UGE3G03M
LL---887    S   LOPORFIL  LPM0141M  NROSP51M  UCB0613N  UGE3G03R
LL---888    S   LOPORFIL  LPM0141M  NROSP51M  UCB0613N  UGE3G3SD
LL---889    S   LOPORFIL  LPM0141M  NROSP51M  UFTAX51M  UGE2G03R
LL---890    S   LOPORFIL  LPM0141M  NROSP51M  UGE2G03R  UGE3G03M
LL---891    S   LOPORFIL  LPM0141M  NROSP51M  UGE2G03R  UGE3G03R
LL---892    S   LOPORFIL  LPM0141M  NROSP51M  UGE2G03R  UGE3G3SD
LL---893    S   LOPORFIL  LPM0141M  NROSP51M  UGE3G03M  UG2G03M
LL---894    S   LOPORFIL  LPM0141M  NROSP51M  UGE3G03R  UG2G03M
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LL---895      S   LOPORFIL  LPM0141M  NROSP51M  UGE3G3SD  UG2G03M

LL---896      S   LOPORFIL  LPM0141R  NROSP51M  UCB0613N  UGE3G3SD

LL---897      S   LOPORFIL  LPM0141R  NROSP51M  UGE2G03R  UGE3G03M

LL---898      S   LOPORFIL  LPM0141R  NROSP51M  UGE2G03R  UGE3G03R

LL---899      S   LOPORFIL  LPM0141R  NROSP51M  UGE2G03R  UGE3G3SD

LL---900      S   LOPORFIL  LPM0141R  NROSP51M  UGE3G03N  UG2G03M

LL---901      S   LOPORFIL  LPM0141R  NROSP51M  UGE3G03R  UG2G03M

LL---902      S   LOPORFIL  LPM0141R  NROSP51M  UGE3G3SD  UG2G03M

LL---903      S   LOPORFIL  LPM0141S  NROSP51M  UCB0613N  UGE3G03M

LL---904      S   LOPORFIL  LPM0141S  NROSP51M  UCB0613N  UGE3G03R

LL---905      S   LOPORFIL  LPM0141S  NROSP51M  UCB0613N  UGE3G3SD

LL---906      S   LOPORFIL  LPM0141S  NROSP51M  UFTAX51M  UGE2G03R

LL---907      S   LOPORFIL  LPM0141S  NROSP51M  UGE2G03R  UGE3G03M

LL---908      S   LOPORFIL  LPM0141S  NROSP51M  UGE2G03R  UGE3G03R
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LL---909    S   LOPORFIL  LPM0[illegible]41S  NROSP51M  UGE2G03R  UGE3G3SD

LL---910    S   LOPORFIL  LPM0141S  NROSP51M  UGE3G03M  UG2G03M

LL---911    S   LOPORFIL  LPM0141S  NROSP51M  UGE3G03R  UG2G03M

LL---912    S   LOPORFIL  LPM0141S  NROSP51M  UGE3G3SD  UG2G03M

LL---913    S   LOPORFIL  LPM0504M  NROSP51M  UCB0413N  UGE3G02M

LL---914    S   LOPORFIL  LPM0504M  NROSP51M  UCB0413N  UGE3G02R

LL---915    S   LOPORFIL  LPM0504M  NROSP51M  UCB0413N  UGE3G2SD

LL---916    S   LOPORFIL  LPM0504M  NROSP51M  UFTAX51M  UGE2G02R

LL---917    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02M  UGE3G02M

LL---918    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02M  UGE3G02R

LL---919    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02M  UGE3G2SD

LL---920    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02R  UGE3G02M

LL---921    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02R  UGE3G02R

LL---922    S   LOPORFIL  LPM0504M  NROSP51M  UGE2G02R  UGE3G2SD

LL---923    S   LOPORFIL  LPM0504R  NROSP51M  UCB0413N  UGE3G2SD
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LL---924 5 LOPORFIL LPM0504R NROSP51M UGE2G02M UGE3G02M

LL---925 5 LOPORFIL LPM0504R NROSP51M UGE2G02M UGE3G02R

LL---926 5 LOPORFIL LPM0504R NROSP51M UGE2G02M UGE3G2SD

LL---927 5 LOPORFIL LPM0504R NROSP51M UGE2G02R UGE3G02M

LL---928 5 LOPORFIL LPM0504R NROSP51M UGE2G02R UGE3G02R

LL---929 5 LOPORFIL LPM0504R NROSP51M UGE2G02R UGE3G2SD

LL---930 5 LOPORFIL LPM0504S NROSP51M UCB0413N UGe3G02M

LL---931 5 LOPORFIL LPM0504S NROSP51M UCB0413N UGE3G02R

LL---932 5 LOPORFIL LPM0504S NROSP51M UCB0413N UGE3G2SD

LL---933 5 LOPORFIL LPM0504S NROSP51M UFTAX51M UGE2G02R

LL---934 5 LOPORFIL LPM0504S NROSP51M UGE2G02M UGE3G02M

LL---935 5 LOPORFIL LPM0504S NROSP51M UGE2G02M UGE3G02R

LL---936 5 LOPORFIL LPM0504S NROSP51M UGE2G02M UGE3G2SD

LL---937 5 LOPORFIL LPM0504S NROSP51M UGE2G02R UGE3G02M

LL---938 S LOPORFIL LPM0504S NROSP51M UGE2G02R UGE3G02R

LL---939 S LOPORFIL LPM0504S NROSP51M UGE2G02R UGE3G2SD

LL---940 S LOPORFIL LXV0127X NROSP51M UGE2G03R UGE3G03M

LL---941 S LOPORFIL LXV0127X NROSP51M UGE2G03R UGE3G3SD

LL---942 S LOPORFIL LXV0127X NROSP51M UGE3G03M UG2G03M

LL---943 S LOPORFIL LXV0127X NROSP51M UGE3G03R UG2G03M

LL---944 S LOPORFIL LXV0127X NROSP51M UGE3G3SD UG2G03M

LL---945 S LOPORFIL LXV0469X NROSP51M UGE2G03R UGE3G03M

LL---946 S LOPORFIL LXV0469X NROSP51M UGE2G03R UGE3G3SD

LL---947 S LOPORFIL LXV0469X NROSP51M UGE3G03M UG2G03M

LL---948 S LOPORFIL LXV0469X NROSP51M UGE3G03R UG2G03M

LL---949 S LOPORFIL LXV0469X NROSP51M UGE3G3SD UG2P03M

LL---950 S LOPORFIL LXV0533X NROSP51M UGE2G02M UGE3G02M

LL---951 S LOPORFIL LXV0533X NROSP51M UGE2G02M UGE3G02R

LL---952 S LOPORFIL LXV0533X NROSP51M UGE2G02M UGE3G2SD

LL---953 S LOPORFIL LXV0533X NROSP51M UGE2G02R UGE3G02M

LL---954 S LOPORFIL LXV0533X NROSP51M UGE2G02R UGE3G2SD

LL---955 S LOPORFIL LXV\538X NROSP51M UGE2G02M UGE3G02M

LL---956 S LOPORFIL LXV0538X NROSP51M UGE2G02M UGE3G02R

LL---957 S LOPORFIL LXV0538X NROSP51M UGE2G02M UGE3G2SD

LL---958 S LOPORFIL LXV0538X NROSP51M UGE2G02R UGE3G02M

LL---959 S LOPORFIL LXV0538X NROSP51M UGE2G02R UGE3G2SD

LL---960 S LOPORFIL LXV054ZX NROSP51M UGE2G02M UGE3G02M

LL---961 S LOPORFIL LXV054ZX NROSP51M UGE2G02M UGE3G02R

LL---962 S LOPORFIL LXV054ZX NROSP51M UGE2G02M UGE3G2SD

LL---963 S LOPORFIL LXV054ZX NROSP51M UGE2G02R UGE3G02M

LL---964 S LOPORFIL LXV054ZX NROSP51M UGE2G02R UGE3G2SD

LL---965 S LOPORFIL LXV471AX NROSP51M UGE2G03R UGE3G03M

LL---966 S LOPORFIL LXV471AX NROSP51M UGE2G03R UGE3G3SD

LL---967 S LOPORFIL LXV471AX NROSP51M UGE3G03M UG2G03M

LL---968 S LOPORFIL LXV471AX NROSP51M UGE3G03R UG2G03M

LL---969 S LOPORFIL LXV471AX NROSP51M UGE3G3SD UG2G03M

LL---970 S LOPORFIL NROSP51M UCB0404N UCB0613N UGE3G03M

LL---971 S LOPORFIL NROSP51M UCB0404N UCB0613N UGE3G03R

LL---972 S LOPORFIL NROSP51M UCB0404N UCB0613N UGE3G3SD

LL---973 S LOPORFIL NROSP51M UCB0404N UFTAX51M UGE2G03R

LL---974 S LOPORFIL NROSP51M UCB0404N UGE2G03R UGE3G03M

LL---975 S LOPORFIL NROSP51M UCB0404N UGE2G03R UGE3G03R

LL---976 S LOPORFIL NROSP51M UCB0404N UGE2G03R UGE3G3SD

LL---977 S LOPORFIL NROSP51M UCB0404N UGE3G03M UG2G03M

LL---978 S LOPORFIL NROSP51M UCB0404N UGE3G03R UG2G03M

LL---979 S LOPORFIL NROSP51M UCB0404N UGE3G3SD UG2G03M

LL---980 S LOPORFIL NROSP51M UCB0413N UCB0603N UGE3G02M

LL---981 S LOPORFIL NROSP51M UCB0413N UCB0603N UGE3G02R

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LL---982      S   LOPORFIL  NROSP51M  UCB0413N  UCB0603N  UGE3G2SD
LL---983      S   LOPORFIL  NROSP51M  UCB0413N  UFTAX51M  UGE2G03R
LL---984      S   LOPORFIL  NROSP51M  UCB0603N  UFTAX51M  UGE2G02R
LL---985      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02M  UGE3G02M
LL---986      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02M  UGE3G02R
LL---987      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02M  UGE3G2SD
LL---988      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02R  UGE3G02M
LL---989      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02R  UGE3G02R
LL---990      S   LOPORFIL  NROSP51M  UCB0603N  UGE2G02R  UGE3G2SD
LL---991      S   LOPORFIL  NROSP51M  UCB0613N  UFTAX51M  UGE2G02R
LL---992      S   LOPORFIL  NROSP51M  UFTACBN   UGE2G02M  UG2G03M
LL---993      S   LOPORFIL  NROSP51M  UFTACBN   UGE2G02R  UG2G03M
LL---994      S   LPM0141M  LPT0140M  NROSP51M  UCB0613N  UGE3G03M
LL---995      S   LPM0141M  LPT0140M  NROSP51M  UCB0613N  UGE3G03R
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LL---996	S	LPM0141M	LPT0140M	NROSP51M	UCB0613N	UGE3G3SD
LL---997	S	LPM0141M	LPT0140M	NROSP51M	UFTARE6K	UG2G03M
LL---998	S	LPM0141M	LPT0140M	NROSP51M	UFTAX51M	UGE2G03R
LL---999	S	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
LL--1000	S	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R
LL--1001	S	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
LL--1002	S	LPM0141M	LPT0140M	NROSP51M	UGE3G03M	UG2G03M
LL--1003	S	LPM0141M	LPT0140M	NROSP51M	UGE3G03R	UG2G03M
LL--1004	S	LPM0141M	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M
LL--1005	S	LPM0141M	LPT0140R	NROSP51M	UCB0613N	UGE3G3SD
LL--1006	S	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G03M
LL--1007	S	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G03R
LL--1008	S	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G3SD
LL--1009	S	LPM0141M	LPT0140R	NROSP51M	UGE3G03M	UG2G03M
LL--1010	S	LPM0141M	LPT0140R	NROSP51M	UGE3G03R	UG2G03M

LL--1011	S	LPM0141M	LPT0140R	NROSP51M	UGE3G3SD	UG2G03M
LL--1012	S	LPM0141M	LXV0[illegible]ZX	NROSP51M	UGE2G03R	UGE3G03M
LL--1013	S	LPM0141M	LXV012ZX	NROSP51M	UGE2G03R	UGE3G03R
LL--1014	S	LPM0141M	LXV012ZX	NROSP51M	UGE2G03R	UGE3G3SD
LL--1015	S	LPM0141M	LXV012ZX	NROSP51M	UGE3G03M	UG2G03M
LL--1016	S	LPM0141M	LXV012ZX	NROSP51M	UGE3G03R	UG2G03M
LL--1017	S	LPM0141M	LXV012ZX	NROSP51M	UGE3G3SD	UG2G03M
LL--1018	S	LPM0141M	LXV0468X	NROSP51M	UGE2G03R	UGE3G03M
LL--1019	S	LPM0141M	LXV0468X	NROSP51M	UGE2G03R	UGE3G03R
LL--1020	S	LPM0141M	LXV0468X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1021	S	LPM0141M	LXV0468X	NROSP51M	UGE3G03M	UG2G03M
LL--1022	S	LPM0141M	LXV0468X	NROSP51M	UGE3G03R	UG2G03M
LL--1023	S	LPM0141M	LXV0468X	NROSP51M	UGE3G3SD	UG2G03M
LL--1024	S	LPM0141M	LXV0471X	NROSP51M	UGE2G03R	UGE3G03M

LL--1025	5	LPM0141M	LXV0471X	NROSP51M	UGE2G03R	UGE3G03R
LL--1026	5	LPM0141M	LXV0471X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1027	5	LPM0141M	LXV0471X	NROSP51M	UGE3G03M	UG2G03M
LL--1028	5	LPM0141M	LXV0471X	NROSP51M	UGE3G03R	UG2G03M
LL--1029	5	LPM0141M	LXV0471X	NROSP51M	UGE3G3SD	UG2G03M
LL--1030	5	LPM0141R	LPT0140M	NROSP51M	UCB0613N	UGE3G03M
LL--1031	5	LPM0141R	LPT0140M	NROSP51M	UCB0613N	UGE3G03R
LL--1032	5	LPM0141R	LPT0140M	NROSP51M	UCB0613N	UGE3G3SD
LL--1033	5	LPM0141R	LPT0140M	NROSP51M	UFTAX51M	UGE2G03R
LL--1034	5	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
LL--1035	5	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R
LL--1036	5	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
LL--1037	5	LPM0141R	LPT0140M	NROSP51M	UGE3G03M	UG2G03M
LL--1038	5	LPM0141R	LPT0140M	NROSP51M	UGE3G03R	UG2G03M
LL--1039	5	LPM0141R	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M

LL--1040	5	LPM0141R	LPT0140R	NROSP51M	UGE2G03R	UGE3G03M
LL--1041	5	LPM0141R	LPT0140R	NROSP51M	UGE2G03R	UGE3G03R
LL--1042	5	LPM0141R	LPT0140R	NROSP51M	UGE2G03R	UGE3G3SD
LL--1043	5	LPM0141R	LPT0140R	NROSP51M	UGE3G03M	UG2G03M
LL--1044	5	LPM0141R	LPT0140R	NROSP51M	UGE3G03R	UG2G03M
LL--1045	5	LPM0141R	LPT0140R	NROSP51M	UGE3G3SD	UG2G03M
LL--1046	5	LPM0141R	LXV012ZX	NROSP51M	UGE2G03R	UGE3G03M
LL--1047	5	LPM0141R	LXV012ZX	NROSP51M	UGE2G03R	UGE3G3SD
LL--1048	5	LPM0141R	LXV012ZX	NROSP51M	UGE3G03M	UG2G03M
LL--1049	5	LPM0141R	LXV012ZX	NROSP51M	UGE3G03R	UG2G03M
LL--1050	5	LPM0141R	LXV012ZX	NROSP51M	UGE3G3SD	UG2G03M
LL--1051	5	LPM0141R	LXV0468X	NROSP51M	UGE2G03R	UGE3G03M
LL--1052	5	LPM0141R	LXV0468X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1053	5	LPM0141R	LXV0468X	NROSP51M	UGE3G03M	UG2G03M

LL--1054 S LPM0141R LXV0468X NROSP51M UGE3G03R UG2G03M

LL--1055 S LPM0141R LXV0468X NROSP51M UGE3G3SD UG2G03M

LL--1056 S LPM0141R LXV0471X NROSP51M UGE2G03R UGE3G03M

LL--1057 S LPM0141R LXV0471X NROSP51M UGE2G03R UGE3G3SD

LL--1058 S LPM0141R LXV0471X NROSP51M UGE3G03M UG2G03M

LL--1059 S LPM0141R LXV0471X NROSP51M UGE3G03R UG2G03M

LL--1060 S LPM0141R LXV0471X NROSP51M UGE3G3SD UG2G03M

LL--1061 S LPM0141S LPT0140M NROSP51M UCB0613N UGE3G03M

LL--1062 S LPM0141S LPT0140M NROSP51M UCB0613N UGE3G03R

LL--1063 S LPM0141S LPT0140M NROSP51M UCB0613N UGE3G3SD

LL--1064 S LPM0141S LPT0140M NROSP51M UFTAX51M UGE2G03R

LL--1065 S LPM0141S LPT0140M NROSP51M UGE2G03R UGE3G03M

LL--1066 S LPM0141S LPT0140M NROSP51M UGE2G03R UGE3G03R

LL--1067 S LPM0141S LPT0140M NROSP51M UGE2G03R UGE3G3SD

LL--1068 S LPM0141S LPT0140M NROSP51M UGE3G03M UG2G03M

LL--1069 S LPM0141S LPT0140M NROSP51M UGE3G03R UG2G03M

LL--1070 S LPM0141S LPT0140M NROSP51M UGE3G3SD UG2G03M

LL--1071 S LPM0141S LPT0140R NROSP51M UCB0613N UGE3G3SD

LL--1072 S LPM0141S LPT0140R NROSP51M UGE2G03R UGE3G03M

LL--1073 S LPM0141S LPT0140R NROSP51M UGE2G03R UGE3G03R

LL--1074 S LPM0141S LPT0140R NROSP51M UGE2G03R UGE3G3SD

LL--1075 S LPM0141S LPT0140R NROSP51M UGE3G03M UG2G03M

LL--1076 S LPM0141S LPT0140R NROSP51M UGE3G03R UG2G03M

LL--1077 S LPM0141S LPT0140R NROSP51M UGE3G3SD UG2G03M

LL--1078 S LPM0141S LXV0122X NROSP51M UGE2G03R UGE3G03M

LL--1079 S LPM0141S LXV0122X NROSP51M UGE2G03R UGE3G03R

LL--1080 S LPM0141S LXV0122X NROSP51M UGE2G03R UGE3G3SD

LL--1081 S LPM0141S LXV0122X NROSP51M UGE3G03M UG2G03M

LL--1082 S LPM0141S LXV0122X NROSP51M UGE3G03R UG2G03M

LL--1083	5	LPM0141S	LXV0122X	NROSP51M	UGE[illegible]G3SD	[illegible]G2G03M
LL--1084	5	LPM0141S	LXV0468X	NROSP51M	UGE2G03R	UGE3G03M
LL--1085	5	LPM0141S	LXV0468X	NROSP51M	UGE2G03R	UGE3G03R
LL--1086	5	LPM0141S	LXV0468X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1087	5	LPM0141S	LXV0468X	NROSP51M	UGE3G03M	UG2G03M
LL--1088	5	LPM0141S	LXV0468X	NROSP51M	UGE3G03R	UG2G03M
LL--1089	5	LPM0141S	LXV0468X	NROSP51M	UGE3G3SD	UG2G03M
LL--1090	5	LPM0141S	LXV0471X	NROSP51M	UGE2G03R	UGE3G03M
LL--1091	5	LPM0141S	LXV0471X	NROSP51M	UGE2G03R	UGE3G03R
LL--1092	5	LPM0141S	LXV0471X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1093	5	LPM0141S	LXV0471X	NROSP51M	UGE3G03M	UG2G03M
LL--1094	5	PM0141S	LXV0471X	NROSP51M	UGE3G03R	UG2G03M
LL--1095	5	LPM0141S	LXV0471X	NROSP51M	UGE3G3SD	UG2G03M
LL--1096	5	LPM0504M	LPT0140M	NROSP51M	UCB0413N	UGE3G02M
LL--1097	5	LPM0504M	LPT0140M	NROSP51M	UCB0413N	UGE3G02R

LL--1098	S	LPM0504M	LPT0140M	NROSP51M	UCB0413N	UGE3G2SD
LL--1099	S	LPM0504M	LPT0140M	NROSP51M	UFTARE4K	UGE2G02M
LL--1100	S	LPM0504M	LPT0140M	NROSP51M	UFTAX51M	UGE2G02R
LL--1101	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M
LL--1102	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R
LL--1103	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD
LL--1104	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
LL--1105	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R
LL--1106	S	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
LL--1107	S	LPM0504M	LPT0140R	NROSP51M	UCB0413N	UGE3G2SD
LL--1108	S	LPM0504M	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M
LL--1109	S	LPM0504M	LPT0140R	NROSP51M	UGE2G02M	UGE3G02R
LL--1110	S	LPM0504M	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD
LL--1111	S	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M

LL--1112	5	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G02R
LL--1113	5	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD
LL--1114	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02M	UGE3G02M
LL--1115	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02M	UGE3G02R
LL--1116	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1117	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02R	UGE3G02M
LL--1118	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02R	UGE3G02R
LL--1119	5	LPM0504M	LXV0122X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1120	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02M	UGE3G02M
LL--1121	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02M	UGE3G02R
LL--1122	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1123	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02R	UGE3G02M
LL--1124	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02R	UGE3G02R
LL--1125	5	LPM0504M	LXV0468X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1126	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02M	UGE3G02M

LL--1127	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02M	UGE3G02R
LL--1128	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1129	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02R	UGE3G02M
LL--1130	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02R	UGE3G02R
LL--1131	5	LPM0504M	LXV0471X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1132	5	LPM0504R	LPT0140M	NROSP51M	UCB0413N	UGE3G02M
LL--1133	5	LPM0504R	LPT0140M	NROSP51M	UCB0413N	UGE3G02R
LL--1134	5	LPM0504R	LPT0140M	NROSP51M	UCB0413N	UGE3G2SD
LL--1135	5	LPM0504R	LPT0140M	NROSP51M	UFTAX51M	UGE2G02R
LL--1136	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M
LL--1137	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R
LL--1138	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD
LL--1139	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
LL--1140	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R

LL--1141	5	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
LL--1142	5	LPM0504R	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M
LL--1143	5	LPM0504R	LPT0140K	NROSP51M	UGE2G02M	UGE3G02R
LL--1144	5	LPM0504R	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD
LL--1145	5	LPM0504R	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M
LL--1146	5	LPM0504R	LPT0140R	NROSP51M	UGE2G02R	UGE3G02R
LL--1147	5	LPM0504R	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD
LL--1148	5	LPM0504R	LXV0122X	NROSP51M	UGE2G02M	UGE3G02M
LL--1149	5	LPM0504R	LXV0122X	NROSP51M	UGE2G02M	UGE3G02R
LL--1150	5	LPM0504R	LXV0122X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1151	5	LPM0504R	LXV0122X	NROSP51M	UGE2G02R	UGE3G02M
LL--1152	5	LPM0504R	LXV0122X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1153	5	LPM0504R	LXV0468X	NROSP51M	UGE2G02M	UGE3G02M
LL--1154	5	LPM0504R	LXV0468X	NROSP51M	UGE2G02M	UGE3G02R
LL--1155	5	LPM0504R	LXV0468X	NROSP51M	UGE2G02M	UGE3G2SD

LL--1156	5	LPM0504R	LXV0468X	NROSP51M	UGE2G02R	UGE3G02M
LL--1157	5	LPM0504R	LXV0468X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1158	5	LPM0504R	LXV0471X	NROSP51M	UGE2G02M	UGE3G02M
LL--1159	5	LPM0504R	LXV0471X	NROSP51M	UGE2G02M	UGE3G02R
LL--1160	5	LPM0504R	LXV0471X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1161	5	LPM0504R	LXV0471X	NROSP51M	UGE2G02R	UGE3G02M
LL--1162	5	LPM0504R	LXV0471X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1163	5	LPM0504S	LPT0140M	NROSP51M	UCB0413N	UGE3G02M
LL--1164	5	LPM0504S	LPT0140M	NROSP51M	UCB0413N	UGE3G02R
LL--1165	5	LPM0504S	LPT0140M	NROSP51M	UCB0413N	UGE3G2SD
LL--1166	5	LPM0504S	LPT0140M	NROSP51M	UFTAX51M	UGE2G02R
LL--1167	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M
LL--1168	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R
LL--1169	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD

LL--1170	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
LL--1171	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R
LL--1172	5	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
LL--1173	5	LPM0504S	LPT0140R	NROSP51M	UCB0413N	UGE3G2SD
LL--1174	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M
LL--1175	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02M	UGE3G02R
LL--1176	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD
LL--1177	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M
LL--1178	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02R	UGE3G02R
LL--1179	5	LPM0504S	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD
LL--1180	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02M	UGE3G02M
LL--1181	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02M	UGE3G02R
LL--1182	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1183	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02R	UGE3G02M
LL--1184	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02R	UGE3G02R

LL--1185	5	LPM0504S	LXV0122X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1186	5	LPM0504S	LXV[illegible]X	NROSP51M	UGE2G02M	UGE3G02M
LL--1187	5	LPM0504S	LXV0468X	NROSP51M	UGE2G02M	UGE3G02R
LL--1188	5	LPM0504S	LXV0468X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1189	5	LPM0504S	LXV0468X	NROSP51M	UGE2G02R	UGE3G02M
LL--1190	5	LPM0504S	LXV0468X	NROSP51M	UGE2G02R	UGE3G02R
LL--1191	5	LPM0504S	LXV0468X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1192	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02M	UGE3G02M
LL--1193	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02M	UGE3G02R
LL--1194	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1195	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02R	UGE3G02M
LL--1196	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02R	UGE3G02R
LL--1197	5	LPM0504S	LXV0471X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1198	5	LPT0140M	LXV0127X	NROSP51M	UGE2G03R	UGE3G03M

LL--1199	5	LPT0140M	LXV0127X	NROSP51M	UGE2G03R	UGE3G03R
LL--1200	5	LPT0140M	LXV0127X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1201	5	LPT0140M	LXV0127X	NROSP51M	UGE3G03M	UG2G03M
LL--1202	5	LPT0140M	LXV0127X	NROSP51M	UGE3G03R	UG2G03M
LL--1203	5	LPT0140M	LXV0127X	NROSP51M	UGE3G3SD	UG2G03M
LL--1204	5	LPT0140M	LXV0469X	NROSP51M	UGE2G03R	UGE3G03M
LL--1205	5	LPT0140M	LXV0469X	NROSP51M	UGE2G03R	UGE3G03R
LL--1206	5	LPT0140M	LXV0469X	NROSP51M	UGE2G03R	UGE3G3SD
LL--1207	5	LPT0140M	LXV0469X	NROSP51M	UGE3G03M	UG2G03M
LL--1208	5	LPT0140M	LXV0469X	NROSP51M	UGE3G03R	UG2G03M
LL--1209	5	LPT0140M	LXV0469X	NROSP51M	UGE3G3SD	UG2G03M
LL--1210	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02M	UGE3G02R
LL--1211	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02M	UGE3G02R
LL--1212	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1213	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02R	UGE3G02M

LL--1214	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02R	UGE3G02R
LL--1215	5	LPT0140M	LXV0533X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1216	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02M	UGE3G02M
LL--1217	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02M	UGE3G02R
LL--1218	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1219	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02R	UGE3G02M
LL--1220	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02R	UGE3G02R
LL--1221	5	LPT0140M	LXV0538X	NROSP51M	UGE2G02R	UGE3G2SD
LL--1222	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02M	UGE3G02M
LL--1223	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02M	UGE3G02R
LL--1224	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02M	UGE3G2SD
LL--1225	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02R	UGE3G02M
LL--1226	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02R	UGE3G02R
LL--1227	5	LPT0140M	LXV0542X	NROSP51M	UGE2G02R	UGE3G2SD

LL--1228	S	LPT0140M	LXV471AX	NROSP51M	UGE2G03R	UGE3G03M
LL--1229	S	LPT0140M	LXV471AX	NROSP51M	UGE2G03R	UGE3G03R
LL--1230	S	LPT0140M	LXV471AX	NROSP51M	UGE2G03R	UGE3G3SD
LL--1231	S	LPT0140M	LXV471AX	NROSP51M	UGE3G03M	UG2G03M
LL--1232	S	LPT0140M	LXV471AX	NROSP51M	UGE3G03R	UG2G03M
LL--1233	S	LPT0140M	LXV471AX	NROSP51M	UGE3G3SD	UG2G03M
LL--1234	S	LPT0140M	NROSP51M	UCB0404N	UCB0613N	UGE3G03M
LL--1235	S	LPT0140M	NROSP51M	UCB0404N	UCB0613N	UGE3G03R
LL--1236	S	LPT0140M	NROSP51M	UCB0404N	UCB0613N	UGE3G3SD
LL--1237	S	LPT0140M	NROSP51M	UCB0404N	UFTAX51M	UGE2G03R
LL--1238	S	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL--1239	S	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R
LL--1240	S	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL--1241	S	LPT0140M	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL--1242	S	LPT0140M	NROSP51M	UCB0404N	UGE3G03R	UG2G03M

LL--1243	5	LPT0140M	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M
LL--1244	5	LPT0140M	NROSP51M	UCB0413N	UCB0603N	UGE3G02M
LL--1245	5	LPT0140M	NROSP51M	UCB0413N	UCB0603N	UGE3G02R
LL--1246	5	LPT0140M	NROSP51M	UCB0413N	UCB0603N	UGE3G2SD
LL--1247	5	LPT0140M	NROSP51M	UCB0413N	UFTAX51M	UGE2G03R
LL--1248	5	LPT0140M	NROSP51M	UCB0603N	UFTAX51M	UGE2G02R
LL--1249	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M
LL--1250	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL--1251	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD
LL--1252	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
LL--1253	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R
LL--1254	5	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
LL--1255	5	LPT0140M	NROSP51M	UCB0613N	UFTAX51M	UGE2G02R
LL--1256	5	LPT0140M	NROSP51M	UFTACBN	UGE2G02M	UG2G03M

LL--1257	5	LPT0140M	NROSP51M	UFTACBN	UGE2G02R	UG2G03M
LL--1258	5	LPT0140R	NROSP51M	UCB0404N	UCB0613N	UGE3G3SD
LL--1259	5	LPT0140R	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL--1260	5	LPT0140R	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R
LL--1261	5	LPT0140R	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL--1262	5	LPT0140R	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL--1263	5	LPT0140R	NROSP51M	UCB0404N	UGE3G03R	UG2G03M
LL--1264	5	LPT0140R	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M
LL--1265	5	LPT0140R	NROSP51M	UCB0413N	UCB0603N	UGE3G2SD
LL--1266	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M
LL--1267	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL--1268	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD
LL--1269	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
LL--1270	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R
LL--1271	5	LPT0140R	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD

LL--1272	5	LXV0122X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL--1273	5	LXV0122X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R
LL--1274	5	LXV0122X	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL--1275	5	LXV0122X	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL--1276	5	LXV0122X	NROSP51M	UCB0404N	UGE3G03R	UG2G03M
LL--1277	5	LXV0122X	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M
LL--1278	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M
LL--1279	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL--1280	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD
LL--1281	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
LL--1282	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R
LL--1283	5	LXV0122X	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
LL--1284	5	LXV0468X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL--1285	5	LXV0468X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R

LL--1286	S	LXV0468X	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL--1287	S	LXV0468X	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL--1288	S	LXV0468X	NROSP51M	UCB0404N	UGE3G03R	UG2G03M
LL--1289	S	LXV0468X	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M
LL--1290	S	LXV0468X	NROSP51M	B0603N	UGE2G02M	UGE3G02M
LL--1291	S	LXV0468X	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
LL--1292	S	LXV0468X	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD
LL--1293	S	LXV0468X	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
LL--1294	S	LXV0468X	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R
LL--1295	S	LXV0468X	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
LL--1296	S	LXV0471X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
LL--1297	S	LXV0471X	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R
LL--1298	S	LXV0471X	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
LL--1299	S	LXV0471X	NROSP51M	UCB0404N	UGE3G03M	UG2G03M
LL--1300	S	LXV0471X	NROSP51M	UCB0404N	UGE3G03R	UG2G03M

LL--1301 5 LXV0471X NROSP51M UCB0404N UGE3G3SD UG2G03M

LL--1302 5 LXV0471X NROSP51M UCB0603N UGE2G02M UGE3G02M

LL--1303 5 LXV0471X NROSP51M UCB0603N UGE2G02M UGE3G02R

LL--1304 5 LXV0471X NROSP51M UCB0603N UGE2G02M UGE3G2SD

LL--1305 5 LXV0471X NROSP51M UCB0603N UGE2G02R UGE3G02M

LL--1306 5 LXV0471X NROSP51M UCB0603N UGE2G02R UGE3G02R

LL--1307 5 LXV0471X NROSP51M UCB0603N UGE2G02R UGE3G2SD

LL--1308 6 CRV0003O LCV0124P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1309 6 CRV0003O LCV0126P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1310 6 CRV0003O LCV0448P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1311 6 CRV0003O LCV0532P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1312 6 CRV0003O LPM0141M NROSP51M NR2D351M UFTAX51M
UGE2G03S

LL--1313 6 CRV0003O LPM0141M NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1314 6 CRV0003O LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1315 6 CRV00030 LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1316 6 CRV00030 LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03S

LL--1317 6 CRV00030 LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1318 6 CRV00030 LPM0141M NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1319 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1320 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1321 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1322 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE2G03S
UGE3G03S

LL--1323 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1324 6 CRV00030 LPM0141R NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1325 6 CRV00030 LPM0141S NROSP51M NR2D351M UFTAX51M
UGE2G03S

LL--1326 6 CRV00030 LPM0141S NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1327 6 CRV00030 LPM0141S NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1328 6 CRV00030 LPM0141S NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1329 6 CRV00030 LPM0141S NROSP51M NR2D351M UGE2G03S

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LL--1330    6   CRV00030  LPM0141S  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1331    6   CRV00030  LPM0141S  NROSP51M  NR2D351M  UGE3G03S
                UG2G03M
LL--1332    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UFTAX51M
                UGE2G02S
LL--1333    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--1334    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--1335    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02M
LL--1336    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--1337    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02
                UGE3G02S
LL--1338    6   CRV00030  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1339    6   CRV00030  LPM0504R  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--1340    6   CRV00030  LPM0504R  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--1341    6   CRV00030  LPM0504R  NROSP51K  NR2D251M  UGE2G02S
                UGE3G02M
LL--1342    6   CRV00030  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--1343    6   CRV00030  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02S
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UGE3G2SD

LL--1345 6 CRV00030 LPM0504S NROSP51M NR2D251M UFTAX51M
UGE2G02S

LL--1346 6 CRV00030 LPM0504S NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1347 6 CRV00030 LPM0504[illegible] NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1348 6 CRV00030 LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1349 6 CRV00030 LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1350 6 CRV00030 LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--1351 6 CRV00030 LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1352 6 CRV00030 LXV0127X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1353 6 CRV00030 LXV0469X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1354 6 CRV00030 LXV0533X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1355 6 CRV00030 LXV0538X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1356 6 CRV[illegible]0030 LXV0542X NROSP51M NR2D251M UGE2G02[illegible]
UGE3[illegible]2SD

LL--1357 6 CRV00[illegible]30 LXV471AX NROSP51M NR2D351M UGE2G03S
UGE3G[illegible]SD

LL--1358 6 CRV00[illegible]30 NROSP51M NR2D251M UCB0603N UFTAX51M

UGE2G02S

LL--1359 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02M
UGE3G02S

LL--1360 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02R
UGE3G02S

LL--1361 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02M

LL--1362 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02R

LL--1363 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02S

LL--1364 6 CRV00030 NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G2SD

LL--1365 6 CRV00030 NROSP51M NR2D251M UCB0613N UFTAX51M
UGE2G02S

LL--1366 6 CRV00030 NROSP51M NR2D351M UCB0404N UFTAX51M
UGE2G03S

LL--1367 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE2G03R
UGE3G03S

LL--1368 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03M

LL--1369 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03R

LL--1370 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03S

LL--1371 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G3SD

LL--1372 6 CRV00030 NROSP51M NR2D351M UCB0404N UGE3G03S
UG2G03M

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LL--1373      6   CRV00030  NROSP51M  NR2D361M  UCB0413N  UFTAX51M
                  UGE2G05S
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                  UGE3G03M
LL--1375      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G02M
                  UGE3G03R
LL--1376      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G02M
                  UGE3G3SD
LL--1377      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G02R
                  UGE3G03M
LL--1378      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G02R
                  UGE3G03R
LL--1379      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G02R
                  UGE3G3SD
LL--1380      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G05M
                  UGE3G2SD
LL--1381      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G03R
                  UGE3G2SD
LL--1382      6   CRV00030  NROSP51M  UCB0413N  UGE2G03R  UGE3G2SD
                  UGE3G3SD
LL--1383      6   CRV00030  NROSP51M  UCB0413N  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1384      6   CRV00030  NROSP51M  UCB0413N  UGE3G02M  UGE3G03R
                  UG2G03M
LL--1385      6   CRV00030  NROSP51M  UCB0413N  UGE3G02M  UGE3G3SD
                  UG2G03M
LL--1386      6   CRV00030  NROSP51M  UCB0413N  UGE3G02R  UGE3G03M
                  UG2G03M
LL--1387      6   CRV00030  NROSP51M  UCB0413N  UGE3G02R  UGE3G03R
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LL--1388      6     CRV00030  NROSP51M  UCB0413N  UGE3G02R  UGE3G3SD
                    UG2G03M
LL--1389      6     CRV00030  NROSP51M  UCB0413N  UGE3G03M  UGE3G2SD
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LL--1390      6     CRV00030  NROSP51M  UCB0413N  UGE3G03R  UGE3G2SD
                    UG2G03M
LL--1391      6     CRV00030  NROSP51M  UCB0413N  UGE3G2SD  UGE3G3SD
                    UG2G03M
LL--1392      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02M
                    UGE3G03M
LL--1393      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02M
                    UGE3G03R
LL--1394      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02M
                    UGE3G3SD
LL--1395      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02R
                    UGE3G03M
LL--1396      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02R
                    UGE3G03R
LL--1397      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G02R
                    UGE3G3SD
LL--1398      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G03M
                    UGE3G2SD
LL--1399      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G03R
                    UGE3G2SD
LL--1400      6     CRV00030  NROSP51M  UCB0613N  UGE2G02M  UGE3G2SD
                    UGE3G3SD
LL--1401      6     CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02M
                    UGE3G03M
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LL--1402      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02M
                  UGE3G03R
LL--1403      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02M
                  UGE3G3SD
LL--1404      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02R
                  UGE3G03M
LL--1405      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02R
                  UGE3G03R
LL--1406      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G02R
                  UGE3G3SD
LL--1407      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G03M
                  UGE3G2SD
LL--1408      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G03R
                  UGE3G2SD
LL--1409      6   CRV00030  NROSP51M  UCB0613N  UGE2G02R  UGE3G2SD
                  UGE3G3SD
LL--1410      6   CRV00030  NROSP51M  UFTARE4K  UGE2G02M  UGE3G3SD
                  UG2G03M
LL--1411      6   CRV00030  NROSP51M  UFTARE6K  UGE2G[illegible]  [illegible]GE3G2SD
                  UG2G03M
LL--1412      6   CRV00030  NROSP51M  [illegible]FTAX51M  UGE2G02R  UGE3G03M
                  UG2G03M
LL--1413      6   CRV00030  NROSP51M  UFTAX51M  UGE2G02R  UGE3G03R
                  UG2G03M
LL--1414      6   CRV00030  NROSP51M  UFTAX51M  UGE2G02R  UGE3G3SD
                  UG2G03M
LL--1415      6   CRV00030  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1416      6   CRV00030  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03R
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UG2G03M

LL--1417 6 CRV00030 NROSP51M UGE2G02M UGE3G02M UGE3G3SD
UG2G03M

LL--1418 6 CRV00030 NROSP51M UGE2G02M UGE3G02R UGE3G03M
UG2G03M

LL--1419 6 CRV00030 NROSP51M UGE2G02M UGE3G02R UGE3G03R
UG2G03M

LL--1420 6 CRV00030 NROSP51M UGE2G02M UGE3G02R UGE3G3SD
UG2G03M

LL--1421 6 CRV00030 NROSP51M UGE2G02M UGE3G03M UGE3G2SD
UG2G03M

LL--1422 6 CRV00030 NROSP51M UGE2G02M UGE3G03R UGE3G2SD
UG2G03M

LL--1423 6 CRV00030 NROSP51M UGE2G02M UGE3G2SD UGE3G3SD
UG2G03M

LL--1424 6 CRV00030 NROSP51M UGE2G02R UGE3G02M UGE3G03M
UG2G03M

LL--1425 6 CRV00030 NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

LL--1426 6 CRV00030 NROSP51M UGE2G02R UGE3G02M UGE3G3SD
UG2G03M

LL--1427 6 CRV00030 NROSP51M UGE2G02R UGE3G02R UGE3G03M
UG2G03M

LL--1428 6 CRV00030 NROSP51M UGE2G02R UGE3G02R UGE3G03R
UG2G03M

LL--1429 6 CRV00030 NROSP51M UGE2G02R UGE3G02R UGE3G3SD
UG2G03M

LL--1430 6 CRV00030 NROSP51M UGE2G02R UGE3G03M UGE3G2SD
UG2G03M

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LL--1431      6   CRV0003O  NROSP51M  UGE2G02R  UGE3G03R  UGE3G2SD
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LL--1432      6   CRV0003O  NROSP51N  UGE2G02R  UGE3G2SD  UGE3G3SD
                  UG2G03M
LL--1433      6   IBEB009H  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                  UGE3G2SD
LL--1434      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1435      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03R
                  UG2G03M
LL--1436      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02M  UGE3G3SD
                  UG2G03M
LL--1437      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03M
                  UG2G03M
LL--1438      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03R
                  UG2G03M
LL--1439      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G02R  UGE3G3SD
                  UG2G03M
LL--1440      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G03M  UGE3G2SD
                  UG2G03M
LL--1441      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G03R  UGE3G2SD
                  UG2G03M
LL--1442      6   IBEB009H  NROSP51M  UGE2G02M  UGE3G2SD  UGE3G3SD
                  UG2G03M
LL--1443      6   IBEB009H  NROSP51M  UGE2G02R  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1444      6   IBEB009H  NROSP51M  UGE2G02R  UGE3G02M  UGE3G03R
                  UG2G03M
LL--1445      6   IBEB009H  NROSP51M  UGE2G02R  UGE3G02M  UGE3G3SD
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UG2G03M

LL--1446 6 IBEB009M NROSP51M UGE2G02R UGE3G02R UGE3G03M
UG2G03M

LL--1447 6 IBEB009M NROSP51M UGE2G02R UGE3G02R [illegible]03R
UG2G03M

LL--1448 6 IBEB009M NROSP51M UGE2G02R UGE3G02R UGE3G3SD
UG2G03M

LL--1449 6 IBEB009M NROSP51M UGE2G02R UGE3G03M UGE3G2SD
UG2G03M

LL--1450 6 IBEB009M NROSP51M UGE2G02R UGE3G03R UGE3G2SD
UG2G03M

LL--1451 6 IBEB009M NROSP51M UGE2G02R UGE3G2SD UGE3G3SD
UG2G03M

LL--1452 6 ICB1D103 LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1453 6 ICB1D103 LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1454 6 ICB1D103 LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03M

LL--1455 6 ICB1D103 LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03R

LL--1456 6 ICB1D103 LPT0140S [illegible] UGE2G03R
UGE3G3SD

LL--1457 6 ICB1D103 LPT0140S [illegible] UGE3G03M
UG2G03M

LL--1458 6 ICB1D103 LPT0140S [illegible] NROSP51M UGE3G03R
UG2G03M

LL--1459 6 ICB1D103 LPT0140S LPT0140Y NROSP51M UGE3G3SD
UG2G03M

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LL--1460    6   ICB1P101  LMV4716P  NROSP51M  NR2D351M  UGE2G03S
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LL--1461    6   ICB1P101  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1462    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                UGE3G03M
LL--1463    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                UGE3G03R
LL--1464    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                UGE3G3SD
LL--1465    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE3G03M
                UG2G03M
LL--1466    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE3G03R
                UG2G03M
LL--1467    6   ICB1P101  LPT0140S  LPT0140Y  NROSP51M  UGE3G3SD
                UG2G03M
LL--1468    6   ICB2D203  LMV4716P  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1469    6   ICB2D203  LPT0140M  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1470    6   ICB2D203  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G02M
LL--1471    6   ICB2D203  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G02R
LL--1472    6   ICB2D203  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G2SD
LL--1473    6   ICB2D203  LPT0140S  LPT0140Y  NROSP51M  UGE2G02R
                UGE3G02M
LL--1474    6   ICB2D203  LPT0140S  LPT0140Y  NROSP51M  UGE2G02R
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UGE3G02R

LL--1475 6 ICB2D203 LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G2SD

LL--1476 6 ICB2P101 LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1477 6 ICB2P101 LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1478 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02M

LL--1479 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02R

LL--1480 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G2SD

LL--1481 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02M

LL--1482 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02R

LL--1483 6 ICB2P101 LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G2SD

LL--1484 6 ICB3P106 LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1485 6 ICB3P106 LPM0141S NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1486 6 ICB3P106 LPM0504M NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1487 6 ICB3P106 LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1488 6 ICB3P106 NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G2SD

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LL--1489      6   ICB3P106  NROSP51M  NR2D351M  UCB0404N  UGE2G03S
                  UGE3G3SD
LL--1490      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1491      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03R
                  UG2G03M
LL--1492      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02M  UGE3G3SD
                  UG2G03M
LL--1493      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03M
                  UG2G03M
LL--1494      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03R
                  UG2G03M
LL--1495      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G02R  UGE3G3SD
                  UG2G03M
LL--1496      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G03M  UGE3G2SD
                  UG2G03M
LL--1497      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G03R  UGE3G2SD
                  UG2G03M
LL--1498      6   ICB3P106  NROSP51M  UGE2G02M  UGE3G2SD  UGE3G3SD
                  UG2G03M
LL--1499      6   ICB3P106  NROSP51M  UGE2G02R  UGE3G02M  UGE3G03M
                  UG2G03M
LL--1500      6   ICB3P106  NROSP51M  UGE2G02R  UGE3G02M  UGE3G03R
                  UG2G03M
LL--1501      6   ICB3P106  NROSP51M  UGE2G02R  UGE3G02M  UGE3G3SD
                  UG2G03M
LL--1502      6   ICB3P106  NROSP51M  UGE2G02R  UGE3G02R  UGE3G03M
                  UG2G03M
LL--1503      6   ICB3P106  NROSP51M  UGE2G02R  UGE3G02R  UGE3G03R
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		UG2G03M				
LL--1504	6	ICB3P106	NROSP51M	UGE2G02R	UGE3G0[illegible]	UGE3G3SD
		UG2G03M				
LL--1505	6	ICB3P106	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD
		UG2G03M				
LL--1506	6	ICB3P106	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD
		UG2G03M				
LL--1507	6	ICB3P106	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD
		UG2G03M				
LL--1508	6	IIV0001X	LMV4713P	LPT0140M	NROSP51M	UGE3G3SD
		UG2G03M				
LL--1509	6	IIV0002X	LMV4712P	LPT0140M	NROSP51M	UGE2G02R
		UGE3G2SD				
LL--1510		LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
		UGE3G03M				
LL--1511	6	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R
		UGE3G3SD				
LL--1512	6	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M
		UG2G03M				
LL--1513	6	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE3G03R
		UG2G03M				
LL--1514	6	LCV0121F	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD
		UG2G03M				
LL--1515	6	LCV0124P	LMV4705P	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--1516	6	LCV0124P	LMV4705P	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--1517	6	LCV0124P	LMV4705P	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				

LL--1518 6 LCV0124P LMV4705P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1519 6 LCV0124P LMV4705P NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1520 6 LCV0124P LMV4705R NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1521 6 LCV0124P LMV4716P NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1522 6 LCV0124P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1523 6 LCV0124P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1524 6 LCV0124P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1525 6 LCV0124P LMV4716P NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1526 6 LCV0124P LMV4730P NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1527 6 LCV0124P LMV4730P NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1528 6 LCV0124P LMV4730P NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1529 6 LCV0124P LMV4730P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1530 6 LCV0124P LMV4730P NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1531 6 LCV0124P LOPORFIL NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1532 6 LCV0124P LPT0140M NROSP51M NR2D351M UGE2G03R

UGE3C03S

LL--1533 6 LCV0124P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1534 6 LCV0124P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE4G03R

LL--1535 6 LCV0124P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1536 6 LCV0124P LPT0140M NROSP51M NR2D351M UGE3G03S
UG2G03M

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UGE3G3SD

LL--1538 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03M

LL--1539 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03R

LL--1540 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G3SD

LL--1541 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE3G03M
UG2G03M

LL--1562 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE3G03R
UG2G03M

LL--1543 6 LCV0124P LPT0140S LPT0140Y NROSP51M UGE3G3SD
UG2G03M

LL--1544 6 CV0126P LMV4716P NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1545 6 LCV0126P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1546 6 LCV0126P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1547 6 LCV0126P LMV4716P NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1548 6 LCV0126P LMV4716P NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1549 6 LCV0126P LOPORFIL NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1550 6 LCV0126P LPT0140M NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1551 6 LCV0126P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1552 6 LCV0126P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1553 6 LCV0126P LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1554 6 LCV0126P LPT0140M NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1555 6 LCV0126P LPT0140S LPT0140Y NROSP51M UCB0613N
UGE3G3SD

LL--1556 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03M

LL--1557 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03R

LL--1558 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G3SD

LL--1559 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE3G03M
UG2G03M

LL--1560 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE3G03R
UG2G03M

LL--1561 6 LCV0126P LPT0140S LPT0140Y NROSP51M UGE3G3SD

UG2G03M

LL--1562 6 LCV0448P LMV4706P NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1563 6 LCV0448P LMV4706P NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1564 6 LCV0448P LMV4706P NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1565 6 LCV0448P LMV4706P NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1566 6 LCV0448P LMV4706P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1567 6 LCV0448P LMV4706R NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1568 6 LCV0448P LMV4715P NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1569 6 LCV0448P LMV4715P NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1570 6 LCV0448P LMV4715P NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1571 6 LCV0448P LMV4715P NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1572 6 LCV0448P LMV4715P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1573 6 LCV0448P LMV4716P NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1574 6 LCV0448P LMV4716P NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1575 6 LCV0448P LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1576 6 LCV0448P LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1577 6 LCV0448P LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1578 6 LCV0448P LOPORFIL NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1579 6 LCV0448P LPT0140M NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1580 6 LCV0448P LPT0140M NROSP51M NR2D251M UGE2G02R
UGE3G02S

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UGE3G02M

LL--1582 6 LCV0448P LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1583 6 LCV0448P LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1584 6 LCV0448P LPT0140S LPT0140Y NROSP51M UCB0413N
UGE3G2SD

LL--1585 6 LCV0448P LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02M

LL--1586 6 LCV0448P LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02R

LL--1587 6 LCV0448P LPT0140S LPT0140Y NROSP51M UGE2G02M
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UGE3G02M

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UGE3G02R

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UGE3G2SD

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UGE3G02S

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UGE3G02S

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UGE3G02M

LL--1594 6 LCV0532P LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1595 6 LCV0532P LMV4716P NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1596 6 LCV0532P LOPORFIL NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1597 6 LCV0532P LPT0140M NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1598 6 LCV0532P LPT0140M NROSP51M NR2D251M UGE2G02R
UGE3G02S

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UGE3G02M

LL--1600 6 LCV0532P LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1601 6 LCV0532P LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1602 6 LCV0532P LPT0140S LPT0140Y NROSP51M UCB0413N
UGE3G2SD

LL--1603 6 LCV0532P LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02M

LL--1604 6 LCV0532P LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02R

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UGE3G2SD

LL--1606 6 LCV0532P LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02M

LL--1607 6 LCV0532P LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02R

LL--1608 6 LCV0532P LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G2SD

LL--1609 6 LCV0547F LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02M

LL--1610 6 LCV0547F LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02R

LL--1611 6 LCV0547F LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G2SD

LL--1612 6 LCV0547F LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02M

LL--1613 6 LCV0547F LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G2SD

LL--1614 6 LMV4705P LMV4706P LPM0141M NROSP51M UGE3G3SD
UG2G03M

LL--1615 6 LMV4705P LMV4706P LPM0141S NROSP51M UGE3G3SD
UG2G03M

LL--1616 6 LMV4705P LMV4706P LPM0504M NROSP51M UGE2G02M
UGE3G2SD

LL--1617 6 LMV4705P LMV4706P LPM0504S NROSP51M UGE2G02M
UGE3G2SD

LL--1618 6 LMV4705P LMV4706P NROSP51M UCB0404N UGE3G3SD
UG2G03M

LL--1619 6 LMV4705P LMV4706P NROSP51M UCB0403N UGE2G02M

UGE3G2SD

LL--1620 6 LMV4705P LMV4715P LMV4731P NROSP51M UGE3G3SD
UG2G03M

LL--1621 6 LMV4705P LMV4715P LPM0504M NROSP51M UGE2G02M
UGE3G2SD

LL--1622 6 LMV4705P LMV4715P LPM0504S NROSP51M UGE2G02M
UGE3G2SD

LL--1623 6 LMV4705P LMV4715P NROSP51M UCB0603N UGE2G02M
UGE3G2SD

LL--1624 6 LMV4706P LMV4714P LMV4730P NROSP51M UGE2G02M
UGE3G2SD

LL--1625 6 LMV4706P LMV4730P LPM0141M NROSP51M UGE3G3SD
UG2G03M

LL--1626 6 LMV4706P LMV4730P LPM0141S NROSP51M UGE3G3SD
UG2G03M

LL--1627 6 LMV4706P LMV4730P NROSP51M UCB0404N UGE3G3SD
UG2G03M

LL--1628 6 LMV4712P LMV4716P LMV4762P NROSP51M UGE2G02M
UGE3G2SD

LL--1629 6 LMV4712P LMV4716P LOP4762X NROSP51M UGE2G02M
UGE3G2SD

LL--1630 6 LMV4712P LMV4762P LPT0140M NROSP51M UGE2G02M
UGE3G2SD

LL--1631 6 LMV4712P LOP4762X LPT0140M NROSP51M UGE2G02M
UGE3G2SD

LL--1632 6 LMV4713P LMV4716P LMV4763P NROSP51M UGE3G3SD
UG2G03M

LL--1633 6 LMV4713P LMV4716P LOP4763X NROSP51M UGE3G3SD
UG2G03M

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LL--1634    6  LMV4713P  LMV4763P  LPT0140M  NROSP51M  UGE3G3SD
               UG2G03M
LL--1635    6  LMV4713P  LOP4763X  LPT0140M  NROSP51M  UGE3G3SD
               UG2G03M
LL--1636    6  LMV4714P  LMV4715P  LMV4730P  NROSP51M  UGE2G02M
               UGE3G2SD
LL--1637    6  LMV4714P  LMV4716P  LMV4730P  NROSP51M  UGE2G02M
               UGE3G2SD
LL--1638    6  LMV4714P  LMV4730P  LPT0140M  NROSP51M  UGE2G02M
               UGE3G2SD
LL--1639    6  LMV4715P  LMV4716P  LMV4731P  NROSP51M  UGE3G3SD
               UG2G03M
LL--1640    6  LMV4715P  LMV4730P  LMV4731P  NROSP51M  UGE3G3SD
               UG2G03M
LL--1641    6  LMV4715P  LMV4731P  LPT0140M  NROSP51M  UGE3G3SD
               UG2G03M
LL--1642    6  LMV4716M  LPM0141M  NROSP51M  NR2D351M  UGE2G03S
               UGE3G3SD
LL--1643    6  LMV4716M  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
               UGE3G2SD
LL--1644    6  LMV4716M  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03M
               UG2G03M
LL--1645    6  LMV4716M  NROSP51M  UGE2G02M  UGE3G02M  UGE3G03R
               UG2G03M
LL--1646    6  LMV4716M  NROSP51M  UGE2G02M  UGE3G02M  UGE3G3SD
               UG2G03M
LL--1647    6  LMV4716M  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03M
               UG2G03M
LL--1648    6  LMV4716M  NROSP51M  UGE2G02M  UGE3G02R  UGE3G03R
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UG2G03M

LL--1649 6 LMV4716M NROSP51M UGE2G02M UGE3G02R UGE3G3SD
UG2G03M

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UG2G03M

LL--1651 6 LMV4716M NROSP51M UGE2G02M UGE3G03R UGE3G2SD
UG2G03M

LL--1652 6 LMV4716M NROSP51M UGE2G02M UGE3G2SD UGE3G3SD
UG2G03M

LL--1653 6 LMV4716M NROSP51M UGE2G02R UGE3G02M UGE3G03M
UG2G03M

LL--1654 6 LMV4716M NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

LL--1655 6 LMV4716M NROSP51M UGE2G02R UGE3G02M UGE3G3SD
UG2G03M

LL--1656 6 LMV4716M NROSP51M UGE2G02R UGE3G02R UGE3G03M
UG2G03M

LL--1657 6 LMV4716M NROSP51M UGE2G02R UGE3G02R UGE3G03R
UG2G03M

LL--1658 6 LMV4716M NROSP51M UGE2G02R UGE3G02R UGE3G3SD
UG2G03M

LL--1659 6 LMV4716M NROSP51M UGE2G02R UGE3G03M UGE3G2SD
UG2G03M

LL--1660 6 LMV4716M NROSP51M UGE2G02R UGE3G03R UGE3G2SD
UG2G03M

LL--1661 6 LMV4716M NROSP51M UGE2G02R UGE3G2SD UGE3G3SD
UG2G03M

LL--1662 6 LMV4716P LPM0141M NROSP51M NR2D351M UCB0613N
UGE3G03S

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LL--1663      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UFTAX51M
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LL--1664      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE2G03R
                  UGE3G03S
LL--1665      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03M
LL--1666      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03R
LL--1667      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03S
LL--1668      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G3SD
LL--1669      6   LMV4716P  LPM0141M  NROSP51M  NR2D351M  UGE3G03S
                  UG2G03M
LL--1670      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE2G03R
                  UGE3G03S
LL--1671      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03M
LL--1672      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03R
LL--1673      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03S
LL--1674      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G3SD
LL--1675      6   LMV4716P  LPM0141R  NROSP51M  NR2D351M  UGE3G03S
                  UG2G03M
LL--1676      6   LMV4716P  LPM0141S  NROSP51M  NR2D351M  UCB0613N
                  UGE3G03S
LL--1677      6   LMV4716P  LPM0141S  NROSP51M  NR2D351M  UFTAX51M
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UGE2G03S

LL--1678 6 LMV4716P LPM0141S NROSP51M NR2D351M UGE2G03R

UGE3G03S

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UGE3G03M

LL--1680 6 LMV4716P LPM0141S NROSP51M NR2D351M UGE2G03S

UGE3G03R

LL--1681 6 LMV4716P LPM0141S NROSP51M NR2D351M UGE2G03S

UGE3G03S

LL--1682 6 LMV4716P LPM0141S NROSP51M NR2D351M UGE2G03S

UGE3G3SD

LL--1683 6 LMV4716P LPM0141S NROSP51M NR2D351M UGE3G03S

UG2G03M

LL--1684 6 LMV4716P LPM0504M NROSP51M NR2D251M UCB0413N

UGE3G02S

LL--1685 6 LMV4716P LPM0504M NROSP51M NR2D251M UFTAX51M

UGE2G02S

LL--1686 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02M

UGE3G02S

LL--1687 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02R

UGE3G02S

LL--1688 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02S

UGE3G02M

LL--1689 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02S

UGE3G02R

LL--1690 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02S

UGE3G02S

LL--1691 6 LMV4716P LPM0504M NROSP51M NR2D251M UGE2G02S

UGE3G2SD

LL--1692 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1693 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1694 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1695 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1696 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--1697 6 LMV4716P LPM0504R NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1698 6 LMV4716P LPM0504S NROSP51M NR2D251M UCB0413N
UGE3G02S

LL--1699 6 LMV4716P LPM0504S NROSP51M NR2D251M UFTAX51M
UGE2G02S

LL--1700 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--1701 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--1702 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--1703 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--1704 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--1705 6 LMV4716P LPM0504S NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--1706 6 LMV4716P LXV0127X NROSP51M NR2D351M UGE2G03R

		UGE3G03S				
LL--1707	6	LMV4716P	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--1708	6	LMV4716P	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--1709	6	LMV4716P	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--1710	6	LMV4716P	LXV0127X	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--1711	6	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--1712	6	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--1713	6	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--1714	6	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--1715	6	LMV4716P	LXV0469X	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--1716	6	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02M
		UGE3G02S				
LL--1717	6	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02R
		UGE3G02S				
LL--1718	6	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02M				
LL--1719	6	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02R				
LL--1720	6	LMV4716P	LXV0533X	NROSP51M	NR2D251M	UGE2G02S
		UGE3G2SD				

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LL--1721    6   LMV4716P  LXV0538X  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--1722    6   LMV4716P  LXV0538X  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--1723    6   LMV4716P  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02M
LL--1724    6   LMV4716P  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--1725    6   LMV4716P  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1726    6   LMV4716P  LXV0542X  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--1727    6   LMV4716P  LXV0542X  [illegible]P51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--1728    6   LMV4716P  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02M
LL--1729    6   LMV4716P  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--1730    6   LMV4716P  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1731    6   LMV4716P  LXV471AX  NROSP51M  NR2D351M  UGE2G03R
                UGE3G03S
LL--1732    6   LMV4716P  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03M
LL--1733    6   LMV4716P  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03R
LL--1734    6   LMV4716P  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1735    6   LMV4716P  LXV471AX  NROSP51M  NR2D351M  UGE3G03S
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UG2G03M

LL--1736 6 LMV4716P NROSP51M NR2D251M UCB0413N UCB0603N
UGE3G02S

LL--1737 6 LMV4716P NROSP51M NR2D251M UCB0603N UFTAX51M
UGE2G02S

LL--1738 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02M
UGE3G02S

LL--1739 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02R
UGE3G02S

LL--1740 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02M

LL--1741 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02R

LL--1742 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02S
UGE3G02S

LL--1743 6 LMV4716P NROSP51M NR2D251M UCB0603N UGE2G02S
[illegible]02SD

LL--1744 6 LMV4716P NROSP51M NR2D251M UCB0613N UFTAX51M
UGE2G02S

LL--1745 6 LMV4716P NROSP51M NR2D251M UFTACBN UGE2G02S
UG2G03M

LL--1746 6 LMV4716P NROSP51M NR2D351M UCB04[illegible]4N UCB0613N
UGE3G03S

LL--1747 6 LMV4716P NROSP51M NR2D351M UCB04[illegible]N UFTAX51M
UGE2G03S

LL--1748 6 LMV4716P NROSP51M NR2D351M UCB040[illegible] UGE2G03R
UGE3G03S

LL--1749 6 LMV4716P NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03M

LL--1750 6 LMV4716P NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03R

LL--1751 6 LMV4716P NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G03S

LL--1752 6 LMV4716P NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G3SD

LL--1753 6 LMV4716P NROSP51M NR2D351M UCB0404N UGE3G03S
UG2G03M

LL--1754 6 LMV4716P NROSP51M NR2D351M UCB0413N UFTAX51M
UGE2G03S

LL--1755 6 LMV4716P NROSP51M UCAG002A UGE3G2SD UGE3G3SD
UG2G03M

LL--1756 6 LMV4716P NROSP[illegible]1M UCAG003A UGE2G02M UGE3G2SD
UGE3G3SD

LL--1757 6 LMV4716P NROSP51M UCB0413N UCB0613N UGE3G02M
UGE3G3SD

LL--1758 6 LMV4716P NROSP51M UCB0413N UCB0613N UGE3G03M
UGE3G2SD

LL--1759 6 LMV4716P NROSP51M UCB0413N UCB0613N UGE3G2SD
UGE3G3SD

LL--1760 6 LMV4716P NROSP51M UCB0413N UFTAX51M UGE3G3SD
UG2G03M

LL--1761 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03M

LL--1762 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03R

LL--1763 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G3SD

LL--1764 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02R

UGE3G03M

LL--1765 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02R
UGE3G03R

LL--1766 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G02R
UGE3G3SD

LL--1767 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G03M
UGE3G2SD

LL--1768 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G03R
UGE3G2SD

LL--1769 6 LMV4716P NROSP51M UCB0413N UGE2G03R UGE3G2SD
UGE3G3SD

LL--1770 6 LMV4716P NROSP51M UCB0413N UGE3G02M UGE3G03M
UG2G03M

LL--1771 6 LMV4716P NROSP51M UCB0413N UGE3G02M UGE3G03R
UG2G03M

LL--1772 6 LMV4716P NROS[illegible]M UCB0413N UGE3G02M UGE3G3SD
UG2G03M

LL--1773 6 LMV4716P N[illegible]SP51M UCB0413N UGE3G02R UGE3G03M
UG2G03M

LL--1774 6 LMV4716P NROSP51M UCB0413N UGE3G02R UGE3G03R
UG2G03M

LL--1775 6 LMV4716P NROSP51M UCB0413N UGE3G02R UGE3G3SD
UG2G03M

LL--1776 6 LMV4716P NROSP51M UCB0413N UGE3G03M UGE3G2SD
UG2G03M

LL--1777 6 LMV4716P NROSP51M UCB0413N UGE3G03R UGE3G2SD
UG2G03M

LL--1778 6 LMV4716P NROSP51M UCB0413N UGE3G2SD UGE3G3SD
UG2G03M

LL--1779 6 LMV4716P NROSP51M UCB0613N UFTAX51M UGE2G02M
UGE3G2SD

LL--1780 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G02M
UGE3G03M

LL--1781 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G02M
UGE3G03R

LL--1782 6 LMV4716P NROSP51M UC40613N UGE2G02M UGE3G02M
UGE3G3SD

LL--1783 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G03M

LL--1784 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G03R

LL--1785 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G3SD

LL--1786 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G03M
UGE3G2SD

LL--1787 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G03R
UGE3G2SD

LL--1788 6 LMV4716P NROSP51M UCB0613N UGE2G02M UGE3G2SD
UGE3G3SD

LL--1789 6 LMV4716P NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G03M

LL--1790 6 LMV4716P NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G03R

LL--1791 6 LMV4716P NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G3SD

LL--1792 6 LMV4716P NROSP51M UCB0613N UGE2G02R UGE3G02R
UGE3G03M

LL--1793 6 LMV4716P NROSP51M UCB0613N UGE2G02R UGE3G02R

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                UGE3G03R
LL--1794    6   LMV4716P  NROSP51M  UCB0613N  UGE2G02R  UGE3G02R
                UGE3G3SD
LL--1795    6   LMV4716P  NROSP51M  UCB0613N  UGE2G02R  UGE3G03M
                UGE3G2SD
LL--1796    6   LMV4716P  NROSP51M  UCB0613N  UGE2G02R  UGE3G03R
                UGE3G2SD
LL--1797    6   LMV4716P  NROSP51M  UCB0613N  UGE2G02R  UGE3G2SD
                UGE3G3SD
LL--1798    6   LMV4716P  NROSP51M  UFTARE4K  UGE2G02M  UGE3G03M
                UG2G03M
LL--1799    6   LMV4716P  NROSP51M  UFTARE4K  UGE2G02M  UGE3G03R
                UG2G03M
LL--1800    6   LMV4716P  NROSP51M  UFTARE4K  UGE2G02M  UGE3G3SD
                UG2G03M
LL--1801    6   LMV4716P  NROSP51M  UFTARE4K  UGE2G02R  UGE3G03M
                UG2G03M
LL--1802    6   LMV4716P  NROSP51M  UFTARE4K  UGE2G02R  UGE3G3SD
                UG2G03M
LL--1803    6   LMV4716P  NROSP51M  UFTARE6K  UGE2G02M  UGE3G02M
                UG2G03M
LL--1804    6   LMV4716P  NROSP51M  UFTARE6K  UGE2G02M  UGE3G02R
                UG2G03M
LL--1805    6   LMV4716P  NROSP51M  UFTARE6K  UGE2G02M  UGE3G2SD
                UG2G03M
LL--1806    4   LMV4716P  NROSP51M  UFTARE6K  UGE2G02R  UGE3G02M
                UG2G03M
LL--1807    6   LMV4716P  NROSP51M  UFTARE6K  UGE2G02R  UGE3G2SD
                UG2G03M
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LL--1808 6 LMV4716P NROSP51M UFTAX51M UGE2G02R UGE3G03M
UG2G03M

LL--1809 6 LMV4716P NROSP51M UFTAX51M UGE2G02R UGE3G03R
UG2G03M

LL--1810 6 LMV4716P NROSP51M UFTAX51M UGE2G02R UGE3G3SD
UG2G03M

LL--1811 6 LMV4716P NROSP51M UGE2G02M UGE3G02M UGE3G03M
UG2G03M

LL--1812 6 LMV4716P NROSP51M UGE2G02M UGE3G02M UGE3G03R
UG2G03M

LL--1813 6 LMV4716P NROSP51M UGE2G02M UGE3G02M UGE3G3SD
UG2G03M

LL--1814 6 LMV4716P NROSP51M UGE2G02M UGE3G02R UGE3G03M
UG2G03M

LL--1815 6 LMV4716P NROSP51M UGE2G02M UGE3G02R UGE3G03R
UG2G03M

LL--1816 6 LMV4716P NROSP51M UGE2G02M UGE3G02R UGE3G3SD
UG2G03M

LL--1817 6 LMV4716P NROSP51M UGE2G02M UGE3G03M UGE3G2SD
UG2G03M

LL--1818 6 LMV4716P NROSP51M UGE2G02M UGE3G03R UGE3G2SD
UG2G03M

LL--1819 6 LMV4716P NROSP51M UGE2G02M UGE3G2SD UGE3G3SD
UG2G03M

LL--1820 6 LMV4716P NROSP51M UGE2G02R UGE3G02M UGE3G03M
UG2G03M

LL--1821 6 LMV4716P NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

LL--1822 6 LMV4716P NROSP51M UGE2G02R UGE3G02M UGE3G3SD

UG2G03M

LL--1823 6 LMV4716P NROSP51M UGE2G02R UGE3G02R UGE3G03M
UG2G03M

LL--1824 6 LMV4716P NROSP51M UGE2G02R UGE3G02R UGE3G03R
UG2GC3M

LL--1825 6 LMV4716P NROSP51M UGE2G02R UGE3G02R UGE3G3SD
UG2G03M

LL--1826 6 LMV4716P NROSP51M UGE2G02R UGE3G03M UGE3G2SD
UG2G03M

LL--1827 6 LMV4716P NROSP51M UGE2G02R UGE3G03R UGE3G2SD
UG2G03M

LL--1828 6 LMV4716P NROSP51M UGE2G02R UGE3G2SD UGE3G3SD
UG2G03M

LL--1829 6 LOPORFIL LPM0141M NROSP51M NR2D351M UFTAX51M
UGE2G03S

LL--1830 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1831 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1832 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1833 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G03S

LL--1834 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1835 6 LOPORFIL LPM0141M NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1836 6 LOPORFIL LPM0141R NROSP51M NR2D351M UGE2G03R
UGE3G03S

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LL--1837    6  LOPORFIL  LPM0141R  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03M
LL--1838    6  LOPORFIL  LPM0141R  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03R
LL--1839    6  LOPORFIL  LPM0141R  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03S
LL--1840    6  LOPORFIL  LPM0141R  NROSP51M  NRZD351M  UGE2G03S
               UGE3G3SD
LL--1841    6  LOPORFIL  LPM0141R  NROSP51M  NRZD351M  UGE3G03S
               UG2G03M
LL--1842    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UFTAX51M
               UGE2G03S
LL--1843    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE2G03R
               UGE3G03S
LL--1844    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03M
LL--1845    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03R
LL--1846    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE2G03S
               UGE3G03S
LL--1847    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE2G03S
               UGE3G3SD
LL--1848    6  LOPORFIL  LPM0141S  NROSP51M  NRZD351M  UGE3G03S
               UG2G03M
LL--1849    6  LOPORFIL  LPM0504M  NROSP51M  NRZD251M  UFTAX51M
               UGE2G02S
LL--1850    6  LOPORFIL  LPM0504M  NROSP51M  NRZD251M  UGE2G02M
               UGE3G02S
LL--1851    6  LOPORFIL  LPM0504M  NROSP51M  NRZD251M  UGE2G02R
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                    UGE3G02S
LL--1852      6     LOPORFIL  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02M
LL--1853      6     LOPORFIL  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02R
LL--1854      6     LOPORFIL  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02S
LL--1855      6     LOPORFIL  LPM0504M  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G2SD
LL--1856      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02M
                    UGE3G02S
LL--1857      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02R
                    UGE3G02S
LL--1858      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02M
LL--1859      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02R
LL--1860      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02S
LL--1861      6     LOPORFIL  LPM0504R  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G2SD
LL--1862      6     LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UFTAX51M
                    UGE2G02S
LL--1863      6     LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02M
                    UGE3G02S
LL--1864      6     LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02R
                    UGE3G02S
LL--1865      6     LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02S
                    UGE3G02M
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LL--1866    6  LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--1867    6  LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02S
LL--1868    6  LOPORFIL  LPM0504S  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1869    6  LOPORFIL  LXV0127X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1870    6  LOPORFIL  LXV0469X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1871    6  LOPORFIL  LXV0533X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1872    6  LOPORFIL  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1873    6  LOPORFIL  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--1874    6  LOPORFIL  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1875    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UFTAX51M
                UGE2G02S
LL--1876    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UGE2G02M
                UGE3G02S
LL--1877    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UGE2G02R
                UGE3G02S
LL--1878    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
                UGE3G02M
LL--1879    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
                UGE3G02R
LL--1880    6  LOPORFIL  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
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UGE3G02S

LL--1881 6 LOPORFIL NROSP51M NRZD251M UCB0603N UGE2G02S
UGE3G25D

LL--1882 6 LOPORFIL NROSP51M NRZD251M UCB0613N UFTAX51M
UGE2G02S

LL--1883 6 LOPORFIL NROSP51M NRZD351M UC50404N UFTAX51M
UGE2G03S

LL--1884 6 LOPORFIL NROSP51M NRZD351M UCB0404N UGE2G03R
UGE3G03S

LL--1885 6 LOPORFIL NROSP51M NRZD351M UCB0404N UGE2G03S
UGE3G03M

LL--1886 6 LOPORFIL NROSP51M NRZD351M UCB0404N UGE2G03S
UGE3G03R

LL--1887 6 LOPORFIL NROSP51M NRZD351M UCB0464N UGE2G03S
UGE3G03S

LL--1888 6 LOPORFIL NROSP51M NRZD351M UCB0404N UGE2G03S
UGE3G35D

LL--1889 6 LOPORFIL NROSP51M NRZD351M UCB0404N UGE3G03S
UGZG03M

LL--1890 6 LOPORFIL NROSP51M NRZD351M UCB0413N UFTAX51M
UGE2G03S

LL--1891 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03M

LL--1892 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03R

LL--1893 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G35D

LL--1894 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G 2R
UGE3G03M

LL--1895 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G02R
UGE3G03R

LL--1896 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G02R
UGE3G3SD

LL--1897 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G03M
UGE3G2SD

LL--1898 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G03R
UGE3G2SD

LL--1899 6 LOPORFIL NROSP51M UCB0413N UGE2G03R UGE3G2SD
UGE3G3SD

LL--1900 6 LOPORFIL NROSP51M UCB0413N UGE3G02M UGE3G03M
UG2G03M

LL--1901 6 LOPORFIL NROSP51M UCB0413N UGE3G02M UGE3G03R
UG2G03M

LL--1902 6 LOPORFIL NROSP51M UCB0413N UGE3G02M UGE3G3SD
UG2G03M

LL--1903 6 LOPORFIL NROSP51M UCB0413N UGE3G02R UGE3G03M
UG2G03M

LL--1904 6 LOPORFIL NROSP51M UCB0413N UGE3G02R UGE3G03R
UG2G03M

LL--1905 6 LOPORFIL NROSP51M UCB0413N UGE3G02R UGE3G3SD
UG2G03M

LL--1906 6 LOPORFIL NROSP51M UCB0413N UGE3G03M UGE3G2SD
UG2G03M

LL--1907 6 LOPORFIL NROSP51M UCB0413N UGE3G03R UGE3G2SD
UG2G03M

LL--1908 6 LOPORFIL NROSP51M UCB0413N UGE3G2SD UGE3G3SD
UG2G03M

LL--1909 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02M

UGE3G03M

LL--1910 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02M
UGE3G03R

LL--1911 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02M
UGE3G3SD

LL--1912 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G03M

LL--1913 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G03R

LL--1914 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G3SD

LL--1915 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G03M
UGE3G2SD

LL--1916 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G03R
UGE3G2SD

LL--1917 6 LOPORFIL NROSP51M UCB0613N UGE2G02M UGE3G2SD
UGE3G3SD

LL--1918 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G03M

LL--1919 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G03R

LL--1920 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02M
UGE3G3SD

LL--1921 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02R
UGE3G03M

LL--1922 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02R
UGE3G03R

LL--1923 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G02R
UGE3G3SD

LL--1924 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G03M
UGE3G2SD

LL--1925 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G03R
UGE3G2SD

LL--1926 6 LOPORFIL NROSP51M UCB0613N UGE2G02R UGE3G2SD
UGE3G3SD

LL--1927 6 LOPORFIL NROSP51M UFTAX51M UGE2G02R UGE3G03M
UG2G03M

LL--1928 6 LOPORFIL NROSP51M UFTAX51M UGE2G02R UGE3G03R
UG2G03M

LL--1929 6 LOPORFIL NROSP51M UFTAX51M UGE2G02R UGE3G3SD
UG2G03M

LL--1930 6 LOPORFIL NROSP51M UGE2G02M UGE3G02M UGE3G03M
UG2G03M

LL--1931 6 LOPORFIL NROSP51M UGE2G02M UGE3G02M UGE3G03R
UG2G03M

LL--1932 6 LOPORFIL NROSP51M UGE2G02M UGE3G02M UGE3G3SD
UG2G03M

LL--1933 6 LOPORFIL NROSP51M UGE2G02M UGE3G02R UGE3G03M
UG2G03M

LL--1934 6 LOPORFIL NROSP51M UGE2G02M UGE3G02R UGE3G03R
UG2G03M

LL--1935 6 LOPORFIL NROSP51M UGE2G02M UGE3G02R UGE3G3SD
UG2G03M

LL--1936 6 LOPORFIL NROSP51M UGE2G02M UGE3G03M UGE3G2SD
UG2G03M

LL--1937 6 LOPORFIL NROSP51M UGE2G02M UGE3G03R UGE3G2SD
UG2G03M

LL--1938 6 LOPORFIL NROSP51M UGE2G02M UGE3G2SD UGE3G3SD

UG2G03M

LL--1939 6 LOPORFIL NROSP51M UGE2G02R UGE3G02M UGE3G03M
UG2G03M

LL--1940 6 LOPORFIL NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

LL--1941 6 LOPORFIL NROSP51M UGE2G02R UGE3G02M UGE3G3SD
UG2G03M

LL--1942 6 LOPORFIL NROSP51M UGE2G02R UGE3G02R UGE3G03M
UG2G03M

LL--1943 6 LOPORFIL NROSP51M UGE2G02R UGE3G02R UGE3G03R
UG2G03M

LL--1944 6 LOPORFIL NROSP51M UGE2G02R UGE3G02R UGE3G3SD
UG2G03M

LL--1945 6 LOPORFIL NROSP51M UGE2G02R UGE3G03M UGE3G2SD
UG2G03M

LL--1946 6 LOPORFIL NROSP51M UGE2G02R UGE3G03R UGE3[illegible]
UG2G03M

LL--1947 6 LOPORFIL NROSP51M UGE2G02R UGE3G2SD UGE3G[illegible]SD
UG2G03M

LL--1948 6 LPM0141M LPT0140M NROSP51M NR2D351M UCB0613N
UGE3G03S

LL-- 949 6 LPM0141M LPT0140M NROSP51M NR2D351M UFTAX51M
UGE2G03S

LL--1950 6 LPM0141M LPT0140M NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1951 6 LPM0141M LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1952 6 LPM0141M LPT0140M NROSP51M NR2D351M UGE2G03S
UGE3G03R

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LL--1953      6   LPM0141M  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03S
LL--1954      6   LPM0141M  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G3SD
LL--1955      6   LPM0141M  LPT0140M  NROSP51M  NR2D351M  UGE3G03S
                  UG2G03M
LL--1956      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE2G03R
                  UGE3G03S
LL--1957      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03M
LL--1958      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03R
LL--1959      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G03S
LL--1960      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE2G03S
                  UGE3G3SD
LL--1961      6   LPM0141M  LPT0140R  NROSP51M  NR2D351M  UGE3G03S
                  UG2G03M
LL--1962      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UCAG003A
                  UGE3G3SD
LL--1963      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                  UFTAX51M
LL--1964      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                  UGE3G03M
LL--1965      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                  UGE3G03R
LL--1966      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                  UGE3G3SD
LL--1967      6   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  UFTARE6K
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UG2G03M

LL--1968 6 LPM0141M LPT0140S LPT0140Y NROSP51M UFTAR6K
UGE2G03R

LL--1969 6 LPM0141M LPT0140S LPT0140Y NROSP51M UFTAX51M
UGE2G03R

LL--1970 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03M

LL--1971 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03R

LL--1972 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G3SD

LL--1973 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE3G03M
UG2G03M

LL--1974 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE3G03R
UG2G03M

LL--1975 6 LPM0141M LPT0140S LPT0140Y NROSP51M UGE3G3SD
UG2G03M

LL--1976 6 LPM0141M LXV0122X NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--1977 6 LPM0141M LXV0122X NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1978 6 LPM0141M LXV0122X NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--1979 6 LPM0141M LXV0122X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--1980 6 LPM0141M LXV0122X NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1981 6 LPM0141M LXV0468X NROSP51M NR2D351M UGE2G03R
UGE3G03S

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LL--1982    6   LPM0141M  LXV0468X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03M
LL--1983    6   LPM0141M  LXV0468X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03R
LL--1984    6   LPM0141M  LXV0468X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1985    6   LPM0141M  LXV0468X  NROSP51M  NR2D351M  UGE3G03S
                UG2G03M
LL--1986    6   LPM0141M  LXV0471X  NROSP51M  NR2D351M  UGE2G03R
                UGE3G03S
LL--1987    6   LPM0141M  LXV0471X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03M
LL--1988    6   LPM0141M  LXV0471X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03R
LL--1989    6   LPM0141M  LXV0471X  NROSP51M  NR2D351M  UGE2G03S
                UGE3G3SD
LL--1990    6   LPM0141M  LXV0471X  NROSP51M  NR2D351M  UGE3G03S
                UG2G03M
LL--1991    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UFTAX51M
                UGE2G03S
LL--1992    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UGE2G03R
                UGE3G03S
LL--1993    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03M
LL--1994    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03R
LL--1995    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03S
LL--1996    6   LPM0141R  LPT0140M  NROSP51M  NR2D351M  UGE2G03S
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UGE3G3SD

LL--1997 6 LPM0141R LPT0140M NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--1998 6 LPM0141R LPT0140R NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--1999 6 LPM0141R LPT0140R NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--2000 6 LPM0141R LPT0140R NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--2001 6 LPM0141R LPT0140S LPT0140Y NROSP51M UCB0613N
UGE3G03M

LL--2002 6 LPM0141R LPT0140S LPT0140Y NROSP51M UCB0613N
UGE3G03R

LL--2003 6 LPM0141R LPT0140S LPT0140Y NROSP51M UCB0613N
UGE3G3SD

LL--2004 6 LPM0141R LPT0140S LPT0140Y NROSP51M UFTAX51M
UGE2G03R

LL--2005 6 LPM0141R LPT0140S LPT0140Y NRGSP51M UGE2G03R
UGE3G03M

LL--2006 6 LPM0141R LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G03R

LL--2007 6 LPM0141R LPT0140S LPT0140Y NROSP51M UGE2G03R
UGE3G3SD

LL--2008 6 LPM0141R LPT0140S LPT0140Y NROSP51M UGE3G03M
UG2G03M

LL--2009 6 LPM0141R LPT0140S LPT0140Y NROSP51M UGE3G03R
UG2G03M

LL--2010 6 LPM0141R LPT0140S LPT0140Y NROSP51M UGE3[illegible]3SD
UG2G03M

LL--2011	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UCB0613N
		UGE3G03S				
LL--2012	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UFTAX51M
		UGE2G03S				
LL--2013	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--2014	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
		UGE2G03M				
LL--2015	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--2016	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03S				
LL--2017	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--2018	6	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--2019	6	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--2020	6	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--2021	6	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--2022	6	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03S				
LL--2023	6	LPM0141S	LPT0140R	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--2024	6	LPM0141S	LPT0140P	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--2025	6	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UCB0613M

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                    UFTAX51M
LL--2026      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                    UGE3G03M
LL--2027      6     LPM0141S  LPT0140S  LPT0143Y  NROSP51M  UCB0613N
                    UGE3G03R
LL --2028     6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UCB0613N
                    UGE3G3SD
LL--2029      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UFTARE6K
                    UG2G03M
LL--2030      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UFTAR6K
                    UGE2G03R
LL--2031      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UFTAX51M
                    UGE2G03R
LL--2032      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                    UGE3G03M
LL--2033      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                    UGE3G03R
LL--2034      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE2G03R
                    UGE3G3SD
LL--2035      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE3G03M
                    UG2G03M
LL--2036      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE3G03R
                    UG2G03M
LL--2037      6     LPM0141S  LPT0140S  LPT0140Y  NROSP51M  UGE3G3SD
                    UG2G03M
LL--2038      6     LPM0141S  LXV0122X  NROSP51M  NR2D351M  UGE2G03R
                    UGE3G03S
LL--2039      6     LPM0141S  LXV0122X  NROSP51M  NR2D351M  UGE2G03S
                    UGE3G03M
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LL--2040 6 LPM0141S LXV0122X NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--2041 6 LPM0141S LXV0122X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--2042 6 LPM0141S LXV0122X NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--2043 6 LPM0141S LXV0468X NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--2044 6 LPM0141S LXV0468X NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--2045 6 LPM0141S LXV0468X NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--2046 6 LPM0141S LXV0468X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--2047 6 LPM0141S LXV0468X NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--2048 6 LPM0141S LXV0471X NROSP51M NR2D351M UGE2G03R
UGE3G03S

LL--2049 6 LPM0141S LXV0471X NROSP51M NR2D351M UGE2G03S
UGE3G03M

LL--2050 6 LPM0141S LXV0471X NROSP51M NR2D351M UGE2G03S
UGE3G03R

LL--2051 6 LPM0141S LXV0471X NROSP51M NR2D351M UGE2G03S
UGE3G3SD

LL--2052 6 LPM0141S LXV0471X NROSP51M NR2D351M UGE3G03S
UG2G03M

LL--2053 6 LPM0504M LPT0140M NROSP51M NR2D251M UCB0413N
UGE3G02S

LL--2054 6 LPM0504M LPT0140M NROSP51M NR2D251M UFTAX51M

UGE2G02S

LL--2055 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2056 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2057 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2058 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2059 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--2060 6 LPM0504M LPT0140M NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2061 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2062 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2063 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2064 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2065 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--2066 6 LPM0504M LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2067 6 LPM0504M LPT0140S LPT0140Y NROSP51M UCAG002A
UGE3G2SD

LL--2068 6 LPM0504M LPT0140S LPT0140Y NROSP51M UC20413N
UFTAX51M

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LL--2069    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
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LL--2070    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
                UGE3G02R
LL--2071    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
                UGE3G2SD
LL--2072    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UFTARE4K
                UGE2G02M
LL--2073    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UFTARE4K
                UGE2G02R
LL--2074    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UFTAX51M
                UGE2G02R
LL--2075    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G02M
LL--2076    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G02R
LL--2077    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                UGE3G2SD
LL--2078    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02R
                UGE3G02M
LL--2079    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02R
                UGE3G02R
LL--2080    6   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  UGE2G02R
                UGE3G2SD
LL--2081    6   LPM0504M  LXV0122X  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--2082    6   LPM0504M  LXV0122X  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--2083    6   LPM0504M  LXV0122X  NROSP51M  NR2D251M  UGE2G02S
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UGE3G02M

LL--2084 6 LPM0504M LXV0122X NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2085 6 LPM0504M LXV0122X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2086 6 LPM0504M LXV0468X NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2087 6 LPM0504M LXV0468X NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2088 6 LPM0504M LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2089 6 LPM0504M LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2090 6 LPM0504M LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2091 6 LPM0504M LXV0471X NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2092 6 LPM0504M LXV0471X NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2093 6 LPM0504M LXV0471X NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2094 6 LPM0504M LXV0471X NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2095 6 LPM0504M LXV0471X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2096 6 LPM0504R LPT0140M NROSP51M NR2D251M UFTAX51M
UGE2G02S

LL--2097 6 LPM0504R LPT0140M NROSP51M NR2D251M UGE2G02M
UGE3G02S

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LL--2098    6  LPM0504R  LPT0140M  NROSP51M  NR2D251M  UGE2G02R
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LL--2099    6  LPM0504R  LPT0140M  NROSP51M  NR2D251M  UGE2G02S
               UGE3G02M
LL--2100    6  LPM0504R  LPT0140M  NROSP51M  NR2D251M  UGE2G02S
               UGE3G02R
LL--2101    6  LPM0504R  LPT0140M  NROSP51M  NR2D251M  UGE2G02S
               UGE3G02S
LL--2102    6  LPM0504R  LPT0140M  NROSP51M  NR2D251M  UGE2G02S
               UGE3G2SD
LL--2103    6  LPM0504R  LPT0140R  NROSP51M  NR2D251M  UGE2G02M
               UGE3G02S
LL--2104    6  LPM0504R  LPT0140R  NROSP51M  NR2D251M  UGE2G02S
               UGE3G02M
LL--2105    6  LPM0504R  LPT0140R  NROSP51M  NR2D251M  UGE2G02S
               UGE3G2SD
LL--2106    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
               UGE3G02M
LL--2107    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
               UGE3G02R
LL--2108    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UCB0413N
               UGE3G2SD
LL--2109    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UFTAX51M
               UGE2G02R
LL--2110    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
               UGE3G02M
LL--2111    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
               UGE3G02R
LL--2112    6  LPM0504R  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
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		UGE3G2SD				
LL--2113	6	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
		UGE3G02M				
LL--2114	6	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
		UGE3G02R				
LL--2115	6	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
		UGE3G2SD				
LL--2116	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UCB0413N
		UGE3G02S				
LL--2117	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UFTAX51M
		UGE2G02S				
LL--2118	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02M
		UGE3G02S				
LL--2119	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02R
		UGE3G02S				
LL--2120	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02M				
LL--2121	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02R				
LL--2122	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02S				
LL--2123	6	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S
		UGE3G2SD				
LL--2124	6	LPM0504S	LPT0140R	NROSP51M	NR2D251M	UGE2G02M
		UGE3G02S				
LL--2125	6	LPM0504S	LPT0140R	NROSP51M	NR2D251M	UGE2G02R
		UGE3G02S				
LL--2126	6	LPM0504S	LPT0140R	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02M				

LL--2127 6 LPM0504S LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2128 6 LPM0504S LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G02S

LL--2129 6 LPM0504S LPT0140R NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2130 6 LPM0504S LPT0140S LPT0140Y NROSP51M UCB0413N
UFTAX51M

LL--2131 6 LPM0504S LPT0140S LPT0140Y NROSP51M UCB0413N
UGE3G02M

LL--2132 6 LPM0504S LPT0140S LPT0140Y NROSP51M UCB0413N
UGE3G02R

LL--2133 6 LPM0504S LPT0140S LPT0140Y NROSP51M UCB0413N
UGE3G2SD

LL--2134 6 LPM0504S LPT0140S LPT0140Y NROSP51M UFTARE4K
UGE2G02M

LL--2135 6 LPM0504S LPT0140S LPT0140Y NROSP51M UFTARE4K
UGE2G02R

LL--2136 6 LPM0504S LPT0140S LPT0140Y NROSP51M UFTAX51M
UGE2G02R

LL--2137 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02K
UGE3G02M

LL--2138 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G02R

LL--2139 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02M
UGE3G2SD

LL--2140 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G02M

LL--2141 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02R

UGE3G02R

LL--2142 6 LPM0504S LPT0140S LPT0140Y NROSP51M UGE2G02R
UGE3G2SD

LL--2143 6 LPM0504S LXV0122X NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2144 6 LPM0504S LXV0122X NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2145 6 LPM0504S LXV0122X NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2146 6 LPM0504S LXV0122X NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2147 6 LPM0504S LXV0122X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2148 6 LPM0504S LXV0468X NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2149 6 LPM0504S LXV0468X NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2150 6 LPM0504S LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2151 6 LPM0504S LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G02R

LL--2152 6 LPM0504S LXV0468X NROSP51M NR2D251M UGE2G02S
UGE3G2SD

LL--2153 6 LPM0504S LXV0471X NROSP51M NR2D251M UGE2G02M
UGE3G02S

LL--2154 6 LPM0504S LXV0471X NROSP51M NR2D251M UGE2G02R
UGE3G02S

LL--2155 6 LPM0504S LXV0471X NROSP51M NR2D251M UGE2G02S
UGE3G02M

LL--2156	6	LPM0504S	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
		UGE3G02R				
LL--2157	6	LPM0504S	LXV0471X	NROSP51M	NR2D251M	UGE2G02S
		UGE3G2SD				
LL--2158	6	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--2159	6	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--2160	6	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--2161	6	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--2162	6	LPT0140M	LXV0127X	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--2163	6	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03R
		UGE3G03S				
LL--2164	6	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03M				
LL--2165	6	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G03R				
LL--2166	6	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE2G03S
		UGE3G3SD				
LL--2167	6	LPT0140M	LXV0469X	NROSP51M	NR2D351M	UGE3G03S
		UG2G03M				
LL--2168	6	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02M
		UGE3G02S				
LL--2169	6	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02R
		UGE3G02S				
LL--2170	6	LPT0140M	LXV0533X	NROSP51M	NR2D251M	UGE2G02S

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LL--2171    6   LPT0140M  LXV0533X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--2172    6   LPT0140M  LXV0533X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--2173    6   LPT0140M  LXV0538X  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--2174    6   LPT0140M  LXV0538X  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--2175    6   LPT0140M  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02M
LL--2176    6   LPT0140M  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--2177    6   LPT0140M  LXV0538X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G2SD
LL--2178    6   LPT0140M  LXV0542X  NROSP51M  NR2D251M  UGE2G02M
                UGE3G02S
LL--2179    6   LPT0140M  LXV0542X  NROSP51M  NR2D251M  UGE2G02R
                UGE3G02S
LL--2180    6   LPT0140M  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02M
LL--2181    6   LPT0140M  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
                UGE3G02R
LL--2182    6   LPT0140M  LXV0542X  NROSP51M  NR2D251M  UGE2G02S
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LL--2183    6   LPT0140M  LXV471AX  NROSP51M  NR2D351M  UGE2G03R
                UGE3G03S
LL--2184    6   LPT0140M  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
                UGE3G03M
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LL--2185    6   LPT0140M  LXV471AX  NROSP51M  NR2D351M  UGE2G03S
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LL--2186    6   LPT0140M  LXV471AX  NROSP51M  NR2D251M  UGE2G03S
                UGE3G3SD
LL--2187    6   LPT0140M  LXV471AX  NROSP51M  NR2D351M  UGE3G03S
                UG2G03M
LL--2188    6   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UCB0603N
                UGE3G02S
LL--2189    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UFTAX51M
                UGE2G02S
LL--2190    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02M
                UGE3G02S
LL--2191    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02R
                UGE3G02S
LL--2192    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
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LL--2193    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
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LL--2194    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
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LL--2195    6   LPT0140M  NROSP51M  NR2D251M  UCB0603N  UGE2G02S
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LL--2196    6   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UFTAX51M
                UGF2G02S
LL--2197    6   LPT0140M  NROSP51M  NR2D251M  UFTACBN   UGE2G02S
                UG2G03M
LL--2198    6   LP\0140M  NROSP51M  NR2D351M  UCB0404N  UCB0613N
                UGE3G03S
LL--2199    6   LPT0140M  NROSP51M  NR2D351M  UCB0404N  UFTAX51M
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                    UGE3G03S
LL--2201      6     LPT0140M  NROSP51M  NR2D351M  UCB0404N  UGE2G03S
                    UGE3G03M
LL--2202      6     LPT0140M  NROSP51M  NR2D351M  UCB0404N  UGE2G03S
                    UGE3G03R
LL--2203      6     LPT0140M  NROSP51M  NR2D351M  UCB0404N  UGE2G03S
                    UGE3G03S
LL--2204      6     LPT0140M  NROSP51M  NR2D351M  UCB0404M  UGE2G03S
                    UGE3G3SD
LL--2205      6     LPT0140M  NROSP51M  NR2D351M  UCB0404N  UGE3G03S
                    UG2G03M
LL--2206      6     LPT0140M  NROSP51M  NR2D351M  UCB0413N  UFTAX51M
                    UGE2G03S
LL--2207      6     LPT0140M  NROSP51M  UCAG002A  UGE2G03R  UGE3G2SD
                    UGE3G3SD
LL--2208      6     LPT0140M  NROSP51M  UCAG002A  UGE3G2SD  UGE3G3SD
                    UG2G03M
LL--2209      6     LPT0140M  NROSP51M  UCAG003A  UGE2G02M  UGE3G2SD
                    UGE3G3SD
LL--2210      6     LPT0140M  NROSP51M  UCAG003A  UGE2G02R  UGE3G2SD
                    UGE3G3SD
LL--2211      6     LPT0140M  NROSP51M  UCB0413N  UCB0613N  UGE3G02M
                    UGE3G3SD
LL--2212      6     LPT0140M  NROSP51M  UCB0413N  UCB0613N  UGE3G03M
                    UGE3G2SD
LL--2213      6     LPT0140M  NROSP51M  UCB0413N  UCB0613N  UGE3G2SD
                    UGE3G3SD
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UG2G03M

LL--2215 6 LPT0140M NROSP51M UCB0413N UFTAX51M UGE3G3SD
UG2G03M

LL--2216 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03M

LL--2217 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G03R

LL--2218 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02M
UGE3G3SD

LL--2219 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02R
UGE3G03M

LL--2220 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02R
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LL--2221 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G02R
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LL--2222 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G03M
UGE3G2SD

LL--2223 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G03R
UGE3G2SD

LL--2224 6 LPT0140M NROSP51M UCB0413N UGE2G03R UGE3G2SD
UGE3G3SD

LL--2225 6 LPT0140M NROSP51M UCB0413N UGE3G02M UGE3G03M
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LL--2226 6 LPT0140M NROSP51M UCB0413N UGE3G02M UGE3G03R
UG2G03M

LL--2227 6 LPT0140M NROSP51M UCB0413N UGE3G02M UGE3G3SD
UG2G03M

LL--2228 6 LPT0140M NROSP51M UCB0413N UGE3G02R UGE3G03M

UG2G03M

LL--2229 6 LPT0140M NROSP51M UCB0413N UGE3G02R UGE3G03R
UG2G03M

LL--2230 6 LPT0140M NROSP51M UCB0413N UGE3G02R UGE3G3SD
UG2G03M

LL--2231 6 LPT0140M NROSP51M UCB0413N UGE3G03M UGE3G2SD
UG2G03M

LL--2232 6 LPT0140M NROSP51M UCB0413N UGE3G03R UGE3G2SD
UG2G03M

LL--2233 6 LPT0140M NROSP51M UCB0413N UGE3G2SD UGE3G3SD
UG2G03M

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UGE3G02M

LL--2235 6 LPT0140M NROSP51M UCB0613N UFTAX51M UGE2G02M
UGE3G2SD

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UGE3G3SD

LL--2239 6 LPT0140M NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G03M

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UGE3G03R

LL--2241 6 LPT0140M NROSP51M UCB0613N UGE2G02M UGE3G02R
UGE3G3SD

LL--2242 6 LPT0140M NROSP51M UCB0613N UGE2G02M UGE3G03M
UGE3G2SD

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LL--2244      6   LPT0140M  NROSP51M  UCB0613N  UGE2G02M  UGE3G2SD
                  UGE3G3SD
LL--2245      6   LPT0140M  NROSP51M  UCB0613N  UGE2G02R  UGE3G02M
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                  UGE3G03R
LL--2247      6   LPT0140M  NROSP51M  UCB0613N  UGE2G02R  UGE3G02M
                  UGE3G3SD
LL--2248      6   LPT0140M  NROSP51M  UCB0613N  UGE2G02R  UGE3GG2R
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LL--2253      6   LPT0140M  NROSP51M  UCB0613N  UGE2G02R  UGE3G2SD
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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UGE3G2SD

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		UG2G03M				
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		UG2G03M				
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		UG2G03M				
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		UG2G03M				
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		UGE3G2SD				
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		UGE3G3SD				
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		UGE3G3SD				
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UGE3G3SD

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UG2G03M

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UG2G03M

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UG2G03R

LL--2323 6 LPT0140R NROSP51M UGE2G02M UGE[illegible]02M UGE3G3SD
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		UGE3G02M				
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		UGE3G02R				
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		UGE3G2SD				
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		UGE3G02M				
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		UGE3G02R				
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		UGE3G02R				
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		UGE3G02M				
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               UGE3G3SD
LL--2425    6  LXV012ZX NROSP51M UCB0613N UGE2G02R UGE3G2SD
               UGE3G3SD
LL--2426    6  LXV012ZX NROSP51M UFTAX51M UGE2G02R UGE3G3SD
               UG2G03M
LL--2427    6  LXV012ZX NROSP51M UGE2G02M UGE3G02M UGE3G03M
               UG2G03M
LL--2428    6  LXV012ZX NROSP51M UGE2G02M UGE3G02M UGE3G03R
               UG2G03M
LL--2429    6  LXV012ZX NROSP51M UGE2G02M UGE3G02M UGE3G3SD
               UG2G03M
LL--2430    6  LXV012ZX NROSP51M UGE2G02M UGE3G02R UGE3G03N
               UG2G03M
LL--2431    6  LXV012ZX NROSP51M UGE2G02M UGE3G02R UGE3G03R
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UG2G03M

LL--2434 6 LXV012ZX NROSP51M UGE2G02M UGE3G03R UGE3G2SD
UG2G03M

LL--2435 6 LXV012ZX NROSP51M UGE2G02M UGE3G2SD UGE3G3SD
UG2G03M

LL--2436 6 LXV012ZX NROSP51M UGE2G02R UGE3G02M UGE3G03M
UG2G03M

LL--2437 6 LXV012ZX NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

LL--2438 6 LXV012ZX NROSP51M UGE2G02R UGE3G02M UGE3G3SD
UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

LL--2444 6 LXV012ZX NROSP51M UGE2G02R UGE3G2SD UGE3G3SD
UG2G03M

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UGE3G02S

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UGE3G02S

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UGE3G02R

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UGE3G03R

LL--2453 6 LXV0468X NROSP51M NR2D351M UCB0404N UGE2G03S
UGE3G3SD

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UG2G03M

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UGE3G3SD

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UGE3G3SD

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UGE3G3SD

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UGE3G02S

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UGE3G02S

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UGE3G02R

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UGE3G2SD

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UGE3G03S

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UGE3G03M

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UGE3G03R

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LL--2488 6 LXV0471X NROSP51M UCB0413N UGE2G03R UGE3G2SD
UGE3G3SD

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UG2G03M

LL--2490 6 LXV0471X NROSP51M UCB0613N UGE2G02M UGE3G2SD
UGE3G3SD

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UGE3G3SD

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

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UG2G03M

LL--2503 6 LXV0471X NROSP51M UGE2G02R UGE3G02M UGE3G03R
UG2G03M

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LL--2506    6   LXV0471X  NROSP51M  UGE2G02R  UGE3G02R  UGE3G03R
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LL--2507    6   LXV0471X  NROSP51M  UGE2G02R  UGE3G02R  UGE3G3SD
                UG2G03M
LL--2508    6   LXV0471X  NROSP51M  UGE2G02R  UGE3G03M  UGE3G2SD
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                UG2G03M
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LL--2512    7   CRV0003O  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
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LL--2517    7   CRV0003O  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
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LL--2518    7   CRV0003O  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
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LL--2522    7   CRV00030  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03R
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LL--2524    7   CRV00030  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
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LL--2525    7   CRV00030  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
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LL--2527    7   CRV00030  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
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LL--2528    7   CRV00030  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
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LL--2529    7   CRV00030  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
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LL--2530    7   CRV00030  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G03R  UG2G03M
LL--2531    7   CRV00030  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G3SD  UG2G03M
LL--2532    7   CRV00030  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
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UGE3G35D UG2G07A

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UGE3G2SD UG2G03M

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LL--2575 7 IBEB009H NROSP51M NR2D251M UGE2G02M UGE3G02S
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LL--2576 7 IBEB009H NROSP51M NR2D251M UGE2G02M UGE3G02S

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                    UGE3G3SD  UG2G03M
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LL--2579      7     IBEB009H  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                    UGE3G3SD  UG2G03M
LL--2580      7     IBEB009H  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                    UGE3G3SD  UG2G03M
LL--2581      7     IBEB009H  NROSP51M  NR2D251M  UGE2G02S  UGE3G03M
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LL--2582      7     IBEB009H  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                    UGE3G2SD  UG2G03M
LL--2583      7     IBEB009H  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
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LL--2584      7     IBEBC09H  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                    UGE3G03S  UG2G03M
LL--2585      7     IBEB009H  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
                    UGE3G2SD  UG2G03M
LL--2586      7     IBEB009H  NROSP51M  NR2D351M  UGE2G02R  UGE3G03S
                    UGE3G2SD  UG2G03M
LL--2587      7     IBYB007H  LPT0140S  LPT0140Y  NROSP51M  UGE3G2SD
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LL--2588      7     IBYB008K  LPT0140S  LPT0140Y  NROSP51M  UGE2G02M
                    UGE3G2SD  UGE3G3SD
LL--2589      7     ICB1D103  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
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LL--2590      7     ICB1D103  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
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LL--2600 7 ICB2P101 LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S UGE3G2SD

LL--2601 7 ICB3P106 NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--2602 7 ICB3P106 NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--2603 7 ICB3P106 NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G3SD UG2G03M

LL--2604 7 ICB3P106 NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G03M UG2G03M

LL--2605 7 ICB3P106 NROSP51M NR2D251M UGE2G02S UGE3G02M

UGE3G3SD UG2G03M

LL--2606 7 ICB3P106 NROSP51M NRZD251M UGE2G02S UGE3G02R
UGE3G3SD UG2G03M

LL--2607 7 ICB3P106 NROSP51M NRZD251M UGE2G02S UGE3G03M
UGE3G2SD UG2G03M

LL--2608 7 ICB3P106 NROSP51M NRZD251M UGE2G02S UGE3G03R
UGE3G2SD UG2G03M

LL--2609 7 ICB3P106 NROSP51M NRZD251M UGE2G02S UGE3G2SD
UGE3G3SD UG2G03M

LL--2610 7 ICB3P106 NROSP51M NRZD351M UGE2G02M UGE3G02M
UGE3G03S UG2G03M

LL--2611 7 ICB3P106 NROSP51M NRZD351M UGE2G02M UGE3G03S
UGE3G2SD UG2G03M

LL--2612 7 ICB3P106 NROSP51M NRZD351M UGE2G02R UGE3G03S
UGE3G2SD UG2G03M

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UGE2G03R UGE3G3SD

LL--2614 7 IIV0001X LMV4713P LPT0140S LPT0140Y NROSP51M
UGE3G03M UG2G03M

LL--2615 7 IIV0001X LMV4713P LPT0140S LPT0140Y NROSP51M
UGE3G3SD UG2G03M

LL--2616 7 IIV0002X LMV4712P LPT0140S LPT0140Y NROSP51M
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LL--2617 7 IIV0002X LMV4712P LPT0140S LPT0140Y NROSP51M
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LL--2618 7 IIV0002X LMV4712P LPT0140S LPT0140Y NROSP51M
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LL--2621 7 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
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LL--2622 7 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
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LL--2623 7 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S UGE3G03S

LL--2624 7 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
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LL--2625 7 LCV0124P LPT0140S LPT0140Y NROSP51M NR2D351M
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LL--2633 7 LCV0448P LPT0140S LPT0140Y NROSP52M NR2D251M
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LL--2634 7 LCV0448P LPT0140S LPT0140Y NROSP51M NR2D251M

UGE2G02S UGE3G02M

LL--2635 7 LCV0448P LPT0140S LPT0140Y NROSP51M NR2D251M
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LL--2636 7 LCV0448P LPT0140S LPT0140Y NROSP51M NR2D251M
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LL--2637 7 LCV0448P LPT0140S LPT0140Y NROSP51M NR2D251M
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UGE2G02M UGE3G02S

LL--2639 7 LCV0532P LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02R UGE3G02S

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UGE2G02S UGE3G02M

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UGE2G02S UGE3G02R

LL--2642 7 LCV0532P LPT0140S LPT0140Y NROSP51M NR2D251M
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UGE3G03M UG2G03M

LL--2646 7 LMV4705P LMV4706P NROSP51M UGE2G02M UGE3G02M
UGE3G3SD UG2G03M

LL--2647 7 LMV4705P LMV4706P NROSP51M UGE2G02M UGE3G02R
UGE3G3SD UG2G03M

LL--2648 7 LMV4705P LMV4706P NROSP51M UGE2G02M UGE3G03M
UGE3G2SD UG2G03M

LL--2649 7 LMV4705P LMV4706P NROSP51M UGE2G02M UGE3G03R
UGE3G2SD UG2G03M

LL--2650 7 LMV4705P LMV4706P NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2651 7 LMV4705P LMV4706P NROSP51M UGE2G02R UGE3G02M
UGE3G?SD UG2G03M

LL--2652 7 LMV4705P LMV4706P NROSP51M UGE2G02R UGE3G02R
UGE3G3SD UG2G03M

LL--2653 7 LMV4705P LMV4706P NROSP51M UGE2G02R UGE3G03M
UGE3G2SD UG2G03M

LL--2654 7 LMV4705P LMV4706P NROSP51M UGE2G02R UGE3G03R
UGE3G2SD UG2G03M

LL--2655 7 LMV4705P LMV47?6P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2656 7 LMV4705P LMV4706R NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2657 7 LMV4705P LMV4706P NROSP51M ?GE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2658 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G02M
UGE3G03M UG2G03M

LL--2659 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G02M
UGE3G3SD UG2G03M

LL--266? 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G02R
UGE3G3SD UG2G03M

LL--2661 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G03M
UGE3G2SD UG2G03M

LL--2662 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G03R
UGE3G2SD UG2G03M

LL--2663 7 LMV4705P LMV4715P NROSP51M UGE2G02M UGE3G2SD

UGE3G3SD UG2G03M

LL--2664 7 LMV4705P LMV4715P NROSP51M UGE2G02R UGE3G02M
UGE3G3SD UG2G03M

LL--2665 7 LMV4705P LMV4715P NROSP51M UGE2G02R UGE3G02R
UGE3G3SD UG2G03M

LL--2666 7 LMV4705P LMV4715P NROSP51M UGE2G02R UGE3G03M
UGE3G2SD UG2G03M

LL--2667 7 LMV4705P LMV4715P NROSP51M UGE2G02R UGE3G03R
UGE3G2SD UG2G03M

LL--2668 7 LMV4705P LMV4715P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2669 7 LMV4705R LMV4706P NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2670 7 LMV4705R LMV4706P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2671 7 LMV4705R LMV4715P NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2672 7 LMV4705R LMV4715P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2673 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G02M
UGE3G03M UG2G03M

LL--2674 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G02M
UGE3G3SD UG2G03M

LL--2675 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G02R
UGE3G3SD UG2G03M

LL--2676 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G03M
UGE3G2SD UG2G03M

LL--2677 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G03R
UGE3G2SD UG2G03M

LL--2678 7 LMV4706P LMV4730P NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2679 7 LMV4706P LMV4730P NROSP51M UGE2G02R UGE3G02M
UGE3G3SD UG2G03M

LL--2680 7 LMV4706P LMV4730P NROSP51M UGE2G02R UGE3G02R
UGE3G3SD UG2G03M

LL--2681 7 LMV4706P LMV4730P NROSP51M UGE2G02R UGE3G03M
UGE3G2SD UG2G03M

LL--2682 7 LMV4706P LMV4730P NROSP51M UGE2G02R UGE3G03R
UGE3G2SD UG2G03M

LL--2683 7 LMV4706P LMV4730P NROSP51M UGE2P02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2684 7 LMV4706R LMV4730P NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--2685 7 LMV4706R LMV4730P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2686 7 LMV4712P LMV4762P LPT0140S LPT0140Y NROSP51M
UGE2G02M UGE3G02M

LL--2687 7 LMV4712P LMV4762P LPT0140S LPT0140Y NROSP51M
UGE2G02M UGE3G2SD

LL--2688 7 LMV4712P LMV4762P LPT0140S LPT0140Y NROSP51M
UGE2G02R UGE3G2SD

LL--2689 7 LMV4712P LOP4762X LPT0140S LPT0140Y NROSP51M
UGE2G02M UGE3G02M

LL--2690 7 LMV4712P LOP4762X LPT0140S LPT0140Y NROSP51M
UGE2G02M UGE3G2SD

LL--2691 7 LMV4712P LOP4762X LPT0140S LPT0140Y NROSP51M
UGE2G02R UGE3G2SD

LL--2692 7 LMV4713P LMV4763P LPT0140S LPT0140Y NROSP51M

		UGE2G03R	UGE3G3SD			
LL--2693	7	LMV4713P	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE3G03M	UG2G03M			
LL--2694	7	LMV4713P	LMV4763P	LPT0140S	LPT0140Y	NROSP51M
		UGE3G3SD	UG2G03M			
LL--2695	7	LMV4713P	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE2G03R	UGE3G3SD			
LL--2696	7	LMV4713P	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE3G03M	UG2G03M			
LL--2697	7	LMV4713P	LOP4763X	LPT0140S	LPT0140Y	NROSP51M
		UGE3G3SD	UG2G03M			
LL--2698	7	LMV4714P	LMV4730P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M	UGE3G02M			
LL--2699	7	LMV4714P	LMV4730P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02M	UGE3G2SD			
LL--2700	7	LMV4714P	LMV4730P	LPT0140S	LPT0140Y	NROSP51M
		UGE2G02R	UGE3G2SD			
LL--2701	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G02M
		UGE3G03M	UG2G03M			
LL--2702	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G02M
		UGE3G3SD	UG2G03M			
LL--2703	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G02R
		UGE3G3SD	UG2G03M			
LL--2704	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G03M
		UGE3G2SD	UG2G03M			
LL--2705	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G03R
		UGE3G2SD	UG2G03M			
LL--2706	7	LMV4715P	LMV4730P	NROSP51M	UGE2G02M	UGE3G2SD
		UGE3G3SD	UG2G03M			

LL--2707 7 LMV4715P LMV4730P NROSP51M UGE2G02R UGE3G02M
UGE3G3SD UG2G03M

LL--2708 7 LMV4715P LMV4730P NROSP51M UGE2G02R UGE3G02R
UGE3G3SD UG2G03M

LL--2709 7 LMV4715P LMV4730P NROSP51M UGE2G02R UGE3G03M
UGE3G2SD UG2G03M

LL--2710 7 LMV4715P LMV4730P NROSP51M UGE2G02R UGE3G03R
UGE3G2SD UG2G03M

LL--2711 7 LMV4715P LMV4730P NROSP51M UGE2G02R UGE3G2SD
UGE3G3SD UG2G03M

LL--2712 7 LMV4715P LMV4731P LPT0140S LPT0140Y NROSP51M
UGE2G03R UGE3G3SD

LL--2713 7 LMV4715P LMV4731P LPT0140S LPT0140Y NROSP51M
UGE3G03M UG2G03M

LL--2714 7 LMV4715P LMV4731P LPT0140S LPT0140Y NROSP51M
UGE3G3SD UG2G03M

LL--2715 7 LMV4716M NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--2716 7 LMV4716M NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--2717 7 LMV4716M NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G3SD UG2G03M

LL--2718 7 LMV4716M NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G03M UG2G03M

LL--271[illegible] 7 LMV4716M NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G3SD UG2G03M

LL--2720 7 LMV4716M NROSP51M NR2D251M UGE2G02S UGE3G02R
UGE3G3SD UG2G03M

LL--2721 7 LMV4716M NROSP51M NR2D251M UGE2G02S UGE3G03M

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                UGE3G2SD  UG2G03M
LL--2722    7   LMV4716M  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                UGE3G2SD  UG2G03M
LL--2723    7   LMV4716M  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
                UGE3G3SD  UG2G03M
LL--2724    7   LMV4716M  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                UGE3G03S  UG2G03M
LL--2725    7   LMV4716M  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
                UGE3G2SD  UG2G03M
LL--2726    7   LMV4716M  NROSP51M  NR2D351M  UGE2G02R  UGE3G03S
                UGE3G2SD  UG2G03M
LL--2727    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                UGE3G02S  UGE3G03M
LL--2728    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                UGE3G02S  UGE3G03R
LL--2729    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                UGE3G02S  UGE3G3SD
LL--2730    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                UGE3G03M  UG2G03M
LL--2731    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                UGE3G03R  UG2G03M
LL--2732    7   LMV4716P  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                UGE3G3SD  UG2G03M
LL--2733    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                UGE3G02S  UGE3G03M
LL--2734    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                UGE3G02S  UGE3G03R
LL--2735    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                UGE3G02S  UGE3G3SD
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LL--2736    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
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LL--2737    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                UGE3G02S  UGE3G03R
LL--2738    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                UGE3G02S  UGE3G3SD
LL--2739    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03M
LL--2740    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03R
LL--2741    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G3SD
LL--2742    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G03M
LL--2743    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G03R
LL--2744    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G3SD
LL--2745    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02S  UGE3G03M
LL--2746    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02S  UGE3G3SD
LL--2747    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03M  UGE3G2SD
LL--2748    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03R  UGE3G2SD
LL--2749    7   LMV4716P  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G2SD  UGE3G3SD
LL--2750    7   LMV4716P  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
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LL--2751    7   LMV4716P  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G03R  UG2G03M
LL--2752    7   LMV4716P  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G3SD  UG2G03M
LL--2753    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                UGE3G03M  UG2G03M
LL--2754    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                UGE3G03R  UG2G03M
LL--2755    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
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LL--2756    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                UGE3G03M  UG2G03M
LL--2757    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                UGE3G03R  UG2G03M
LL--2758    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
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LL--2759    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
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LL--2760    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                UGE3G03R  UG2G03M
LL--2761    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                UGE3G3SD  UG2G03M
LL--2762    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G03M  UG2G03M
LL--2763    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G03R  UG2G03M
LL--2764    7   LMV4716P  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G3SD  UG2G03M
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LL--2765 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G03M UG2G03M

LL--2766 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G03R UG2G03M

LL--2767 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G3SD UG2G03M

LL--2768 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G03M
UGE3G2SD UG2G03M

LL--2769 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G03R
UGE3G2SD UG2G03M

LL--2770 7 LMV4716P NROSP51M NR2D251M UGE2G02S UGE3G2SD
UGE3G3SD UG2G03M

LL--2771 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G02M UGE3G03S

LL--2772 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G02R UGE3G03S

LL--2773 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G03S UGE3G2SD

LL--2774 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03M

LL--2775 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03R

LL--2776 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03S

LL--2777 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G3SD

LL--2778 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02R UGE3G03M

LL--2779 7 LMV4716P NROSP51M NR2D351M UCB0413N UGE2G03S

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                    UGE3G02R  UGE3G03R
LL--2780      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02R  UGE3G3SD
LL--2781      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G03M  UGE3G2SD
LL--2782      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G03R  UGE3G2SD
LL--2783      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G03S  UGE3G2SD
LL--2784      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G2SD  UGE3G3SD
LL--2785      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE3G02M
                    UGE3G03S  UG2G03M
LL--2786      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE3G02R
                    UGE3G03S  UG2G03M
LL--2787      7     LMV4716P  NROSP51M  NR2D351M  UCB0413N  UGE3G03S
                    UGE3G2SD  UG2G03M
LL--2788      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                    UGE3G02M  UGE3G03S
LL--2789      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                    UGE3G02R  UGE3G03S
LL--2790      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                    UGE3G03S  UGE3G2SD
LL--2791      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                    UGE3G02M  UGE3G03S
LL--2792      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                    UGE3G02R  UGE3G03S
LL--2793      7     LMV4716P  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                    UGE3G03S  UGE3G2SD
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LL--2794      7   LMV4716P  NROSP51M  NR2D351M  UFTAX51M  UGE2G02R
                  UGE3G03S  UG2G03M
LL--2795      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                  UGE3G03S  UG2G03M
LL--2796      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02M  UGE3G02R
                  UGE3G03S  UG2G03M
LL--2797      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--2798      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02R  UGE3G02M
                  UGE3G03S  UG2G03M
LL--2799      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02R  UGE3G02R
                  UGE3G03S  UG2G03M
LL--2800      7   LMV4716P  NROSP51M  NR2D351M  UGE2G02R  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--2801      7   LOPORFIL  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                  UGE3G02S  UGE3G03M
LL--2802      7   LOPORFIL  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                  UGE3G02S  UGE3G3SD
LL--2803      7   LOPORFIL  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G03M  UG2G03M
LL--2804      7   LOPORFIL  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2805      7   LOPORFIL  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2806      7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                  UGE3G02S  UGE3G03M
LL--2807      7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                  UGE3G02S  UGE3G03R
LL--2808      7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
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                UGE3G02S  UGE3G3SD
LL--2809    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                UGE3G02S  UGE3G03M
LL--2810    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                UGE3G02S  UGE3G3SD
LL--2811    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03M
LL--2812    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03R
LL--2813    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G3SD
LL--2814    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G03M
LL--2815    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G07A  UGE3G3SD
LL--2816    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03M  UGE3G2SD
LL--2817    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03R  UGE3G2SD
LL--2818    7   LOPORFIL  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G2SD  UGE3G3SD
LL--2819    7   LOPORFIL  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G03M  UG2G03M
LL--2820    7   LOPORFIL  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G03R  UG2G03M
LL--2821    7   LOPORFIL  NROSP51M  NR2D251M  UFTAX51M  UGE2G02S
                UGE3G3SD  UG2G03M
LL--2822    7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                UGE3G03M  UG2G03M
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LL--2823      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2824      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2825      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G03M  UG2G03M
LL--2826      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2827      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2828      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03M  UG2G03M
LL--2829      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03R  UG2G03M
LL--2830      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G3SD  UG2G03M
LL--2831      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03M  UG2G03M
LL--2832      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03R  UG2G03M
LL--2833      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G3SD  UG2G03M
LL--2834      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03M  UG2G03M
LL--2835      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2836      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2837      7   LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G03M
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                    UGE3G2SD  UG2G03M
LL--2838      7     LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                    UGE3G2SD  UG2G03M
LL--2839      7     LOPORFIL  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
                    UGE3G3SD  UG2G03M
LL--2840      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03R
                    UGE3G02M  UGE3G03S
LL--2841      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03R
                    UGE3G03S  UGE3G2SD
LL--2842      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02M  UGE3G03M
LL--2843      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02M  UGE3G03R
LL--2844      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02M  UGE3G3SD
LL--2845      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02R  UGE3G03M
LL--2846      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G02R  UGE3G3SD
LL--2847      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G03M  UGE3G2SD
LL--2848      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G03R  UGE3G2SD
LL--2849      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                    UGE3G2SD  UGE3G3SD
LL--2850      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE3G02M
                    UGE3G03S  UG2G03M
LL--2851      7     LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE3G02R
                    UGE3G03S  UG2G03M
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LL--2852      7   LOPORFIL  NROSP51M  NR2D351M  UCB0413N  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--2853      7   LOPORFIL  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                  UGE3G02M  UGE3G03S
LL--2854      7   LOPORFIL  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                  UGE3G02R  UGE3G03S
LL--2855      7   LOPORFIL  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                  UGE3G03S  UGE3G2SD
LL--2856      7   LOPORFIL  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                  UGE3G02M  UGE3G03S
LL--2857      7   LOPORFIL  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                  UGE3G03S  UGE3G2SD
LL--2858      7   LOPORFIL  NROSP51M  NR2D351M  UFTAX51M  UGE2G02R
                  UGE3G03S  UG2G03M
LL--2859      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                  UGE3G03S  UG2G03M
LL--2860      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02M  UGE3G02R
                  UGE3G03S  UG2G03M
LL--2861      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--2862      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02R  UGE3G02M
                  UGE3G03S  UG2G03M
LL--2863      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02R  UGE3G02R
                  UGE3G03S  UG2G03M
LL--2864      7   LOPORFIL  NROSP51M  NR2D351M  UGE2G02R  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--2865      7   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
                  UCB0613N  UGE3G03S
LL--2866      7   LPM0141M  LPT0140S  LPT0140Y  NROSP51M  NR2D351M
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		UFTAX51M	UGE2G03S			
LL--2867	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03R	UGE3G03S			
LL--2868	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03M			
LL--2869	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03R			
LL--2870	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03S			
LL--2871	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G3SD			
LL--2872	7	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE3G03S	UG2G03M			
LL--2873	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UCB0613M	UGE3G03S			
LL--2874	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UFTAX51M	UGE2G03S			
LL--2875	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03R	UGE3G03S			
LL--2876	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03M			
LL--2877	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03R			
LL--2878	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03S			
LL--2879	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE2G03S	UGE3G3SD			
LL--2880	7	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M
		UGE3G03S	UG2G03M			

LL--2881 7 LPM0141S LPT0140S LPT0140Y NROSP[illegible]N NR2D351M
UCB0613N UGE3G03S

LL--2882 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UFTAX51M UGE2G03S

LL--2883 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03R UGE3G03S

LL--2884 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S UGE3G03M

LL--2885 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S UGE3G03R

LL--2886 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S UGE3G03S

LL--2887 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE2G03S UGE3G3SD

LL--2888 7 LPM0141S LPT0140S LPT0140Y NROSP51M NR2D351M
UGE3G03S UG2G03M

LL--2889 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UCB0413N UGE3G02S

LL--2890 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UFTAX51M UGE2G02S

LL--2891 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02M UGE3G02S

LL--2892 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02R UGE3G02S

LL--2893 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S UGE3G02M

LL--2894 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M
UGE2G02S UGE3G02R

LL--2895 7 LPM0504M LPT0140S LPT0140Y NROSP51M NR2D251M

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                UGE2G02S  UGE3G02S
LL--2896    7   LPM0504M  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G2SD
LL--2897    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UCB0413N  UGE3G02S
LL--2898    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UFTAX51M  UGE2G02S
LL--2899    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02M  UGE3G02S
LL--2900    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02R  UGE3G02S
LL--2901    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G02M
LL--2902    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G02R
LL--2903    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G02S
LL--2904    7   LPM0504R  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G2SD
LL--2905    7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UCB0413N  UGE3G02S
LL--2906    7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UFTAX51M  UGE2G02S
LL--2907    7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02M  UGE3G02S
LL--2908    7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02R  UGE3G02S
LL--2909    7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                UGE2G02S  UGE3G02M
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LL--2910      7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02R
LL--2911      7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02S
LL--2912      7   LPM0504S  LPT0140S  LPT0140Y  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G2SD
LL--2913      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                  UGE3G02S  UGE3G03M
LL--2914      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                  UGE3G02S  UGE3G03R
LL--2915      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE2G03R
                  UGE3G02S  UGE3G3SD
LL--2916      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G03M  UG2G03M
LL--2917      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2918      7   LPT0140M  NROSP51M  NR2D251M  UCB0413N  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2919      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                  UGE3G02S  UGE3G03M
LL--2920      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                  UGE3G02S  UGE3G03R
LL--2921      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02M
                  UGE3G02S  UGE3G3SD
LL--2922      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                  UGE3G02S  UGE3G03M
LL--2923      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
                  UGE3G02S  UGE3G03R
LL--2924      7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02R
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                UGE3G02S  UGE3G3SD
LL--2925    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03M
LL--2926    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G03R
LL--2927    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02M  UGE3G3SD
LL--2928    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G03M
LL--2929    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G03R
LL--2930    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02R  UGE3G3SD
LL--2931    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02S  UGE3G03M
LL--2932    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02S  UGE3G03R
LL--2933    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G02S  UGE3G3SD
LL--2934    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03M  UGE3G2SD
LL--2935    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G03R  UGE3G2SD
LL--2936    7   LPT0140M  NROSP51M  NR2D251M  UCB0613N  UGE2G02S
                UGE3G2SD  UGE3G3SD
LL--2937    7   LPT0140M  NROSP51M  NR2D251M  UFTARE4K  UGE2G02S
                UGE3G3SD  UG2G03M
LL--2938    7   LPT0140M  NROSP51M  NR2D251M  UFTARE6K  UGE2G02S
                UGE3G2SD  UG2G03M
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LL--2939 7 LPT0140M NROSP51M NR2D251M UFTAX51M UGE2G02S
UGE3G03M UG2G03M

LL--2940 7 LPT0140M NROSP51M NR2D251M UFTAX51M UGE2G02S
UGE3G03R UG2G03M

LL--2941 7 LPT0140M NROSP51M NR2D251M UFTAX51M UGE2G02S
UGE3G3SD UG2G03M

LL--2942 7 LPT0140M NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--2943 7 LPT0140M NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03R UG2G03M

LL--2944 7 LPT0140M NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--2945 7 LPT0140M NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03M UG2G03M

LL--2946 7 LPT0140M NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03R UG2G03M

LL--2947 7 LPT0140M NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G3SD UG2G03M

LL--2948 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G03M UG2G03M

LL--2949 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02N
UGE3G03R UG2G03M

LL--2950 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G3SD UG2G03M

LL--2951 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02R
UGE3G03M UG2G03M

LL--2952 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02R
UGE3G03R UG2G03M

LL--2953 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02R

UGE3G3SD UG2G03M

LL--2954 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G03M UG2G03M

LL--2955 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G03R UG2G03M

LL--2956 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G02S
UGE3G3SD UG2G03M

LL--2957 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G03M
UGE3G2SD UG2G03M

LL--2958 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G03R
UGE3G2SD UG2G03M

LL--2959 7 LPT0140M NROSP51M NR2D251M UGE2G02S UGE3G2SD
UGE3G3SD UG2G03M

LL--2960 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G02M UGE3G03S

LL--2961 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G02R UGE3G03S

LL--2962 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03R
UGE3G03S UGE3G2SD

LL--2963 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03M

LL--2964 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03R

LL--2965 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G03S

LL--2966 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02M UGE3G3SD

LL--2967 7 LPT0140M NROSP51M NR2D351M UCB0413N UGE2G03S
UGE3G02R UGE3G03M

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LL--2968    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G02R  UGE3G03R
LL--2969    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G02R  UGE3G03S
LL--2970    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G02R  UGE3G3SD
LL--2971    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G03M  UGE3G2SD
LL--2972    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G03R  UGE3G2SD
LL--2973    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G03S  UGE3G2SD
LL--2974    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
                UGE3G2SD  UGE3G3SD
LL--2975    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE3G02M
                UGE3G03S  UG2G03M
LL--2976    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE3G02R
                UGE3G03S  UG2G03M
LL--2977    7   LPT0140M  NROSP51M  NR2D351M  UCB0413N  UGE3G03S
                UGE3G2SD  UG2G03M
LL--2978    7   LPT0140M  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                UGE3G02M  UGE3G03S
LL--2979    7   LPT0140M  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                UGE3G02R  UGE3G03S
LL--2980    7   LPT0140M  NROSP51M  NR2D351M  UCB0613N  UGE2G02M
                UGE3G03S  UGE3G2SD
LL--2981    7   LPT0140M  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
                UGE3G02M  UGE3G03S
LL--2982    7   LPT0140M  NROSP51M  NR2D351M  UCB0613N  UGE2G02R
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UGE3G02R UGE3G03S

LL--2983 7 LPT0140M NROSP51M NR2D351M UCB0613N UGE2G02R
UGE3G03S UGE3G2SD

LL--2984 7 LPT0140M NROSP51M NR2D351M UFTAX51M UGE2G02R
UGE3G03S UG2G03M

LL--2985 7 LPT0140M NROSP51M NR2D351M UGE2G02M UGE3G02M
UGE3G03S UG2G03M

LL--2986 7 LPT0140M NROSP51M NR2D351M UGE2G02M UGE3G02R
UGE3G03S UG2G03M

LL--2987 7 LPT0140M NROSP51M NR2D351M UGE2G02M UGE3G03S
UGE3G2SD UG2G03M

LL--2988 7 LPT0140M NROSP51M NR2D351M UGE2G02R UGE3G02M
UGE3G03S UG2G03M

LL--2989 7 LPT0140M NROSP51M NR2D351M UGE2G02R UGE3G02R
UGE3G03S UG2G03M

LL--2990 7 LPT0140M NROSP51M NR2D351M UGE2G02R UGE3G03S
UGE3G2SD UG2G03M

LL--2991 7 LPT0140R NROSP51M NR2D251M UCB0613N UGE2G02S
UGE3G2SD UGE3G3SD

LL--2992 7 LPT0140R NROSP51M NR2D251M UFTAX51M UGE2G02S
UGE3G3SD UG2G03M

LL--2993 7 LPT0140R NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--2994 7 LPT0140R NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03R UG2G03M

LL--2995 7 LPT0140R NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--2996 7 LPT0140R NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03M UG2G03M

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LL--2997      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G03R  UG2G03M
LL--2998      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--2999      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03M  UG2G03M
LL--3000      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03R  UG2G03M
LL--3001      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G3SD  UG2G03M
LL--3002      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03M  UG2G03M
LL--3003      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03R  UG2G03M
LL--3004      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G3SD  UG2G03M
LL--3005      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03M  UG2G03M
LL--3006      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03R  UG2G03M
LL--3007      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--3008      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G03M
                  UGE3G2SD  UG2G03M
LL--3009      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                  UGE3G2SD  UG2G03M
LL--3010      7   LPT0140R  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
                  UGE3G3SD  UG2G03M
LL--3011      7   LPT0140R  NROSP51M  NR2D351M  UCB0413N  UGE2G03S
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		UGE3G2SD	UGE3G3SD			
LL--3012	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02M	UGE3G02M
		UGE3G03S	UG2G03M			
LL--3013	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R
		UGE3G03S	UG2G03M			
LL--3014	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S
		UGE3G2SD	UG2G03M			
LL--3015	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02R	UGL3G02M
		UGE3G03S	UG2G03M			
LL--3016	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02R	UGE3G02R
		UGE3G03S	UG2G03M			
LL--3017	7	LPT0140R	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S
		UGE3G2SD	UG2G03M			
LL--3018	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE2G03R	UGE3G03S			
LL--3019	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03M			
LL--3020	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03R			
LL--3021	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03S			
LL--3022	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE2G03S	UGE3G3SD			
LL--3023	7	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	NR2D351M
		UGE3G03S	UG2G03M			
LL--3024	7	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	NR2D351M
		UGE2G03R	UGE3G03S			
LL--3025	7	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	NR2D351M
		UGE2G03S	UGE3G03M			

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LL--3026      7   LPT0140S  LPT0140Y  LXV0469X  NROSP51M  NR2D351M
                  UGE2G03S  UGE3G03R
LL--3027      7   LPT0140S  LPT0140Y  LXV0469X  NROSP51M  NR2D351M
                  UGE2G03S  UGE3G03S
LL--3028      7   LPT0140S  LPT0140Y  LXV0469X  NROSP51M  NR2D351M
                  UGE2G03S  UGE3G3SD
LL--3029      7   LPT0140S  LPT0140Y  LXV0469X  NROSP51M  NR2D351M
                  UGE3G03S  UG2G03M
LL--3030      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02M  UGE3G02S
LL--3031      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02R  UGE3G02S
LL--3032      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02M
LL--3033      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02R
LL--3034      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02S
LL--3035      7   LPT0140S  LPT0140Y  LXV0533X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G2SD
LL--3036      7   LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
                  UGE2G02M  UGE3G02S
LL--3037      7   LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
                  UGE2G02R  UGE3G02S
LL--3038      7   LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02M
LL--3039      7   LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
                  UGE2G02S  UGE3G02R
LL--3040      7   LPT0140S  LPT0140Y  LXV0538X  NROSP51M  NR2D251M
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                UGE2G02S  UGE3G02S
LL--3041    7   LPT0140S  LPT0140Y  LXV0538X  NR0SP51M  NR2D251M
                UGE2G02S  UGE3G2SD
LL--3042    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02M  UGE3G02S
LL--3043    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02R  UGE3G02S
LL--3044    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02S  UGE3G02M
LL--3045    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02S  UGE3G02R
LL--3046    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02S  UGE3G02S
LL--3047    7   LPT0140S  LPT0140Y  LXV0542X  NR0SP51M  NR2D251M
                UGE2G02S  UGE3G2SD
LL--3048    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE2G03R  UGE3G03S
LL--3049    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE2G03S  UGE3G03M
LL--3050    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE2G03S  UGE3G03R
LL--3051    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE2G03S  UGE3G03S
LL--3052    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE2G03S  UGE3G3SD
LL--3053    7   LPT0140S  LPT0140Y  LXV471AX  NR0SP51M  NR2D351M
                UGE3G03S  UG2G03M
LL--3054    7   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UCB0413N
                UCB0603N  UGE3G02S
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LL--3055      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UFTAX51M  UGE2G02S
LL--3056      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02M  UGE3G02S
LL--3057      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02R  UGE3G02S
LL--3058      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02S  UGE3G02M
LL--3059      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02S  UGE3G02R
LL--3060      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02S  UGE3G02S
LL--3061      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0603N
                  UGE2G02S  UGE3G2SD
LL--3062      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UCB0613N
                  UFTAX51M  UGE2G02S
LL--3063      7   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTACBN
                  UGE2G02S  UG2G03M
LL--3064      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                  UCB0613N  UGE3G03S
LL--3065      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                  UFTAX51M  UGE2G03S
LL--3066      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                  UGE2G03R  UGE3G03S
LL--3067      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                  UGE2G03S  UGE3G03M
LL--3068      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                  UGE2G03S  UGE3G03R
LL--3069      7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
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                UGE2G03S  UGE3G03S
LL--3070    7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0346N
                UGE2G03S  UGE3G3SD
LL--3071    7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0404N
                UGE3G03S  UG2G03M
LL--3072    7   LPT0140S  LPT0140Y  NROSP51M  NR2D351M  UCB0413N
                UFTAX51M  UGE2G03S
LL--3073    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE2G03R
                UGE3G02M  UGE3G3SD
LL--3074    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE2G03R
                UGE3G03M  UGE3G2SD
LL--3075    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE2G03R
                UGE3G2SD  UGE3G3SD
LL--3076    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G02M
                UGE3G03M  UG2G03M
LL--3077    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G02M
                UGE3G3SD  UG2G03M
LL--3078    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G02R
                UGE3G3SD  UG2G03M
LL--3079    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G03M
                UGE3G2SD  UG2G03M
LL--3080    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G03R
                UGE3G2SD  UG2G03M
LL--3081    7   LPT0140S  LPT0140Y  NROSP51M  UCAG002A  UGE3G2SD
                UGE3G3SD  UG2G03M
LL--3082    7   LPT0140S  LPT0140Y  NROSP51M  UCAG003A  UGE2G02M
                UGE3G02M  UGE3G03M
LL--3083    7   LPT0140S  LPT0140Y  NROSP51M  UCAG003A  UGE2G02M
                UGE3G02M  UGE3G3SD
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LL--3084 7 LPT0140S LPT0140Y NROSP51M UCA[illegible]003A UGE2G02M
UGE3G02R UGE3G3SD

LL--3085 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02M
UGE3G03M UGE3G2SD

LL--3086 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02M
UGE3G03R UGE3G2SD

LL--3087 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02M
UGE3G2SD UGE3G3SD

LL--3088 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02R
UGE3G02M UGE3G3SD

LL--3089 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02R
UGE3G03M UGE3G2SD

LL--3090 7 LPT0140S LPT0140Y NROSP51M UCAG003A UGE2G02R
UGE3G2SD UGE3G3SD

LL--3091 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G02M UGE3G03M

LL--3092 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G02M UGE3G3SD

LL--3093 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G02R UGE3G3SD

LL--3094 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G03M UGE3G2SD

LL--3095 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G03R UGE3G2SD

LL--3096 7 LPT0140S LPT0140Y NROSP51M UCB0413N UCB0613N
UGE3G2SD UGE3G3SD

LL--3097 7 LPT0140S LPT0140Y NROSP51M UCB0413N UFTAX51M
UGE3G03M UG2G03M

LL--3098 7 LPT0140S LPT0140Y NROSP51M UCB0413N UFTAX51M

		UGE3G03R	UG2G03M			
LL--3099	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UFTAX51M
		UGE3G3SD	UG2G03M			
LL--3100	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02M	UGE3G03M			
LL--3101	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02M	UGE3G03R			
LL--3102	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02M	UGE3G3SD			
LL--3103	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02R	UGE3G03M			
LL--[illegible]	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02R	UGE3G03R			
LL--3105	7	LPT[illegible]	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G02R	UGE3G[illegible]			
LL--3106	7	LPT0140S	LPT0140Y	NROSP51M	[illegible]413N	UGE2G03R
		UGE3G03M	UGE3G2SD			
LL--3107	7	LPT0140S	LPT014[illegible]	NROSP51M	UCB0[illegible]3N	UGE2G03R
		UGE3G03R	UGE3G2SD			
LL--3108	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R
		UGE3G2SD	UGE3G3SD			
LL--3109	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M
		UGE3G03M	UG2G03M			
LL--3110	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M
		UGE3G03R	UG2G03M			
LL--3111	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M
		UGE3G3SD	UG2G03M			
LL--3112	7	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02R
		UGE3G03M	UG2G03M			

LL--3113 7 LPT0140S LPT0140Y NROSP51M UCB0413N UGE3G0[illegible]R
UGE3G03R UG2G03M

LL--3114 7 LPT0140S LPT0140Y NROSP51M UCB0413N UGE3G02R
UGE3G3SD UG2G03M

LL--3115 7 LPT0140S LPT0140Y NROSP51M UCB0413N UGE3G03M
UGE3G2SD UG2G03M

LL--3116 7 LPT0140S LPT0140Y NROSP51M UCB0413N UGE3G03R
UGE3G2SD UG2G03M

LL--3117 7 LPT0140S LPT0140Y NROSP51M UCB0413N UGE3G2SD
UGE3G3SD UG2G03M

LL--3118 7 LPT0140S LPT0140Y NROSP51M UCB0613N UFTAX51M
UGE2G02M UGE3G02M

LL--3119 7 LPT0140S LPT0140Y NROSP51M UCB0613N UFTAX51M
UGE2G02M UGE3G02R

LL--3120 7 LPT0140S LPT0140Y NROSP51M UCB0613N UFTAX51M
UGE2G02M UGE3G2SD

LL--3121 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02M UGE3G03M

LL--3122 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02M UGE3G03R

LL--3123 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02M UGE3G3SD

LL--3124 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02R UGE3G03M

LL--3125 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02R UGE3G03R

LL--3126 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M
UGE3G02R UGE3G3SD

LL--3127 7 LPT0140S LPT0140Y NROSP51M UCB0613N UGE2G02M

		UGE3G03M	UGE3G2SD			
LL--3128	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M
		UGE3G03R	UGE3G2SD			
LL--3129	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M
		UGE3G2SD	UGE3G3SD			
LL--3130	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02M	UGE3G03M			
LL--3131	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02M	UGE3G03R			
LL--3132	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02M	UGE3G3SD			
LL--3133	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02R	UGE3G03M			
LL--3134	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02R	UGE3G03R			
LL--3135	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G02R	UGE3G3SD			
LL--3136	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G03M	UGE3G2SD			
LL--3137	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G03R	UGE3G2SD			
LL--3138	7	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R
		UGE3G2SD	UGE3G3SD			
LL--3139	7	LPT0140S	LPT0140Y	NROSP51M	UFTARE4K	UGE2G02M
		UGE3G03M	UG2G03M			
LL--3140	7	LPT0140S	LPT0140Y	NROSP51M	UFTARE4K	UGE2G02M
		UGE3G03R	UG2G03M			
LL--3141	7	LPT0140S	LPT0140Y	NROSP51M	UFTARE4K	UGE2G02M
		UGE3G3SD	UG2G03M			

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LL--3142      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE4K  UGE2G02R
                  UGE3G03M  UG2G03M
LL--3143      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE4K  UGE2G02R
                  UGE3G03R  UG2G03M
LL--3144      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE4K  UGE2G02R
                  UGE3G3SD  UG2G03M
LL--3145      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02M
                  UGE3G02M  UG2G03M
LL--3146      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02M
                  UGE3G02R  UG2G03M
LL--3147      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02M
                  UGE3G2SD  UG2G03M
LL--3148      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02R
                  UGE3G02M  UG2G03M
LL--3149      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02R
                  UGE3G02R  UG2G03M
LL--3150      7   LPT0140S  LPT0140Y  NROSP51M  UFTARE6K  UGE2G02R
                  UGE3G2SD  UG2G03M
LL--3151      7   LPT0140S  LPT0140Y  NROSP51M  UFTAX51M  UGE2G02R
                  UGE3G03M  UG2G03M
LL--3152      7   LPT0140S  LPT0140Y  NROSP51M  UFTAX51M  UGE2G02R
                  UGE3G03R  UG2G03M
LL--3153      7   LPT0140S  LPT0140Y  NROSP51M  UFTAX51M  UGE2G02R
                  UGE3G03M  UG2G03M
LL--3154      7   LPT0140S  LPT0140Y  NROSP51M  UGE2G02M  UGE3G02M
                  UGE3G03M  UG2G03M
LL--3155      7   LPT0140S  LPT0140Y  NROSP51M  UGE2G02M  UGE3G02M
                  UGE3G03R  UG2G03M
LL--3156      7   LPT0140S  LPT0140Y  NROSP51M  UGE2G02M  UGE3G02M
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UGE3G3SD UG2G03M

LL--3157 7 LPT0140S LPT0140Y NROSP51M UGE2G02M UGE3G02R
UGE3G03M UG2G03M

LL--3158 7 LPT0140S LPT0140Y NROSP51M UGE2G02M UGE3G02R
UGE3G03R UG2G03M

LL--3159 7 LPT0140S LPT0140Y NROSP51M UGE2G02M UGE3G02R
UGE3G3SD UG2G03M

LL--3160 7 LPT0140S LPT0140Y [illegible] UGE2G02M UGE3G03M
UGE3G2SD UG2G03M

LL--3161 7 LPT0140S LPT0140Y NROSP51M UGE2G02M UGE3G03R
UGE3G2SD UG2G03M

LL--3162 7 LPT0140S LPT0140Y NROSP51M UGE2G02M UGE3G2SD
UGE3G3SD UG2G03M

LL--3163 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02M
UGE3G03M UG2G03M

LL--3164 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02M
UGE3G03R UG2G03M

LL--3165 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02M
UGE3G3SD UG2G03M

LL--3166 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02R
UGE3G03M UG2G03M

LL--3167 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02R
UGE3G03R UG2G03M

LL--3168 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G02R
UGE3G3SD UG2G03M

LL--3169 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G03M
UGE3G2SD UG2G03M

LL--3170 7 LPT0140S LPT0140Y NROSP51M UGE2G02R UGE3G03R
UGE3G2SD UG2G03M

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LL--3171      7   LPT0140S  LPT0140Y  NROSP51M  UGE2G02R  UGE3G2SD
                  UGE3G3SD  UG2G03M
LL--3172      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                  UGE3G03M  UG2G03M
LL--3173      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                  UGE3G03R  UG2G03M
LL--3174      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02M  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--3175      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G03M  UG2G03M
LL--3176      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G03R  UG2G03M
LL--3177      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--3178      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03M  UG2G03M
LL--3179      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G03R  UG2G03M
LL--3180      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                  UGE3G3SD  UG2G03M
LL--3181      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03M  UG2G03M
LL--3182      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G03R  UG2G03M
LL--3183      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G3SD  UG2G03M
LL--3184      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03M  UG2G03M
LL--3185      7   LXV0122X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
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UGE3G3SD UG2G03M

LL--3186 7 LXV012ZX NROSP51M NR2D251M UGE2G02S UGE3G03M
UGE3G2SD UG2G03M

LL--3187 7 LXV012ZX NROSP51M NR2D251M UGE2G02S UGE3G03R
UGE3G2SD UG2G03M

LL--3188 7 LXV012ZX NROSP51M NR2D251M UGE2G02S UGE3G2SD
UGE3G3SD UG2G03M

LL--3189 7 LXV012ZX NROSP51M NR2D351M UGE2G02M UGE3G02M
UGE3G03S UG2G03M

LL--3190 7 LXV012ZX NROSP51M NR2D351M UGE2G02M UGE3G02R
UGE3G03S UG2G03M

LL--3191 7 LXV012ZX NROSP51M NR2D351M UGE2G02M UGE3G03S
UGE3G2SD UG2G03M

LL--3192 7 LXV012ZX NROSP51M NR2D351M UGE2G02R UGE3G02M
UGE3G03S UG2G03M

LL--3193 7 LXV012ZX NROSP51M NR2D351M UGE2G02R UGE3G02R
UGE3G03S UG2G03M

LL--3194 7 LXV012ZX NROSP51M NR2D351M UGE2G02R UGE3G03S
UGE3G2SD UG2G03M

LL--3195 7 LXV0468X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--3196 7 LXV0468X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03R UG2G03M

LL--3197 7 LXV0468X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--3198 7 LXV0468X NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03M UG2G03M

LL--3199 7 LXV0468X NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03R UG2G03M

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LL--3200    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02R  UGE3G02S
                UGE3G3SD  UG2G03M
LL--3201    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                UGE3G03M  UG2G03M
LL--3202    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                UGE3G03R  UG2G03M
LL--3203    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02M
                UGE3G3SD  UG2G03M
LL--3204    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G03M  UG2G03M
LL--3205    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G03R  UG2G03M
LL--3206    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                UGE3G3SD  UG2G03M
LL--3207    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                UGE3G03M  UG2G03M
LL--3208    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                UGE3G3SD  UG2G03M
LL--3209    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G03M
                UGE3G2SD  UG2G03M
LL--3210    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                UGE3G2SD  UG2G03M
LL--3211    7   LXV0468X  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
                UGE3G3SD  UG2G03M
LL--3212    7   LXV0468X  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                UGE3G03S  UG2G03M
LL--3213    7   LXV0468X  NROSP51M  NR2D351M  UGE2G02M  UGE3G02R
                UGE3G03S  UG2G03M
LL--3214    7   LXV0468X  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
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UGE3G2SD UG2G03M

LL--3215 7 LXV0468X NROSP51M NR2D351M UGE2G02R UGE3G02M
UGE3G03S UG2G03M

LL--3216 7 LXV0468X NROSP51M NR2D351M UGE2G02R UGE3G02R
UGE3G03S UG2G03M

LL--3217 7 LXV0468X NROSP51M NR2D351M UGE2G02R UGE3G03S
UGE3G2SD UG2G03M

LL--3218 7 LXV0471X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03M UG2G03M

LL--3219 7 LXV0471X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G03R UG2G03M

LL--3220 7 LXV0471X NROSP51M NR2D251M UGE2G02M UGE3G02S
UGE3G3SD UG2G03M

LL--3221 7 LXV0471X NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03M UG2G03M

LL--3222 7 LXV0471X NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G03R UG2G03M

LL--3223 7 LXV0471X NROSP51M NR2D251M UGE2G02R UGE3G02S
UGE3G3SD UG2G03M

LL--3224 7 LXV0471X NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G03M UG2G03M

LL--3225 7 LXV0471X NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G03R UG2G03M

LL--3226 7 LXV0471X NROSP51M NR2D251M UGE2G02S UGE3G02M
UGE3G3SD UG2G03M

LL--3227 7 LXV0471X NROSP51M NR2D251M UGE2G02S UGE3G02R
UGE3G03M UG2G03N

LL--3228 7 LXV0471X NROSP51M NR2D251M UGE2G02S UGE3G02R
UGE3G03R UG2G03M

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LL--3229      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02R
                  UGE3G3SD  UG2G03M
LL--3230      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G03M  UG2G03M
LL--3231      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G02S
                  UGE3G3SD  UG2G03M
LL--3232      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G03M
                  UGE3G2SD  UG2G03M
LL--3233      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G03R
                  UGE3G2SD  UG2G03M
LL--3234      7   LXV0471X  NROSP51M  NR2D251M  UGE2G02S  UGE3G2SD
                  UGE3G3SD  UG2G03M
LL--3235      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02M  UGE3G02M
                  UGE3G03S  UG2G03M
LL--3236      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02M  UGE3G02R
                  UGE3G03S  UG2G03M
LL--3237      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02M  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--3238      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02R  UGE3G02M
                  UGE3G03S  UG2G03M
LL--3239      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02R  UGE3G02R
                  UGE3G03S  UG2G03M
LL--3240      7   LXV0471X  NROSP51M  NR2D351M  UGE2G02R  UGE3G03S
                  UGE3G2SD  UG2G03M
LL--3241      8   CRV0003O  NROSP51M  NR2D251M  NR2D351M  UGE2G02M
                  UGE3G02S  UGE3G03S  UG2G03M
LL--3242      8   CRV0003O  NROSP51M  NR2D251M  NR2D351M  UGE2G02R
                  UGE3G02S  UGE3G03S  UG2G03M
LL--3243      8   CRV0003O  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
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LL--3244 8 CRV00030 NROSP51M NR2D251M NR2D351M UGE2G02S

UGE3G02R UGE3G03S UG2G03M

LL--3245 8 CRV00030 NROSP51M NR2D251M NR2D351M UGE2G02S

UGE3G02S UGE3G03S UG2G03M

LL--3246 8 CRV00030 NROSP51M NR2D251M NR2D351M UGE2G02S

UGE3G03S UGE3G2SD UG2G03M

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UGE3G2SD UGE3G3SD UG2G03M

LL--3248 8 LMV4705P LMV4715P NROSP51M NR2D251M UGE2G02S

UGE3G2SD UGE3G3SD UG2G03M

LL--3249 8 LMV4706P LMV4730P NROSP51M NR2D251M UGE2G02S

UGE3G2SD UGE3G3SD UG2G03M

LL--3250 8 LMV4715P LMV4730P NROSP51M NR2D251M UGE2G02S

UGE3G2SD UGE3G3SD UG2G03M

LL--3251 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0413N

UGE2G03S UGE3G02S UGE3G03M

LL--3252 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0413N

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LL--3253 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0413N

UGE3G02S UGE3G03S UG2G03M

LL--3254 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0613N

UGE2G02M UGE3G02S UGE3G03S

LL--3255 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0613N

UGE2G02S UGE3G02M UGE3G03S

LL--3256 8 LMV4716P NROSP51M NR2D251M NR2D351M UCB0613N

UGE2G02S UGE3G03S UGE3G2SD

LL--3257 8 LMV4716P NROSP51M NR2D251M NR2D351M UFTAX51M

UGE2G02S UGE3G03S UG2G03M

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LL--3258    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02M
                UGE3G02S  UGE3G03S  UG2G03M
LL--3259    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02R
                UGE3G02S  UGE3G03S  UG2G03M
LL--3260    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02M  UGE3G03S  UG2G03M
LL--3261    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02R  UGE3G03S  UG2G03M
LL--3262    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02S  UGE3G03S  UG2G03M
LL--3263    8   LMV4716P  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G03S  UGE3G2SD  UG2G03M
LL--3264    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02M
                UGE3G02S  UGE3G03S  UG2G03M
LL--3265    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02R
                UGE3G02S  UGE3G03S  UG2G03M
LL--3266    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02M  UGE3G03S  UG2G03M
LL--3267    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02R  UGE3G03S  UG2G03M
LL--3268    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G02S  UGE3G03S  UG2G03M
LL--3269    8   LOPORFIL  NROSP51M  NR2D251M  NR2D351M  UGE2G02S
                UGE3G03S  UGE3G2SD  UG2G03M
LL--3270    8   LPT0140M  NROSP51M  NR2D251M  NR2D351M  UCB0413N
                UGE2G03R  UGE3G02S  UGE3G03S
LL--3271    8   LPT0140M  NROSP51M  NR2D251M  NR2D351M  UCB0413N
                UGE2G03S  UGE3G02S  UGE3G03M
LL--3272    8   LPT0140M  NROSP51M  NR2D251M  NR2D351M  UCB0413N
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LL--3273 8 LPT0140M NROSP51M NR2D251M NR2D351M UCB0413N

UGE2G03S UGE3G02S UGE3G3SD

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LL--3275 8 LPT0140M NROSP51M NR2D251M NR2D351M UCB0613N

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LL--3281 8 LPT0140M NROSP51M NR2D251M NR2D351M UGE2G02M

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LL--3282 8 LPT0140M NROSP51M NR2D251M NR2D351M UGE2G02R

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UGE3G02R UGE3G03S UG2G03M

LL--3285 8 LPT0140M NROSP51M NR2D251M NR2D351M UGE2G02S

UGE3G02S UGE3G03S UG2G03M

LL--3286 8 LPT0140M NROSP51M NR2D251M NR2D351M UGE2G02S

UGE3G03S UGE3G2SD UG2G03M

LL--3287 8 LPT0140R NROSP51M NR2D251M NR2D351M UGE2G02M
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LL--3288 8 LPT0140R NROSP51M NR2D251M NR2D351M UGE2G02R
UGE3G02S UGE3G03S UG2G03M

LL--3289 8 LPT0140R NROSP51M NR2D251M NR2D351M UGE2G02S
UGE3G02M UGE3G03S UG2G03M

LL--3290 8 LPT0140R NROSP51M NR2D251M NR2D351M UGE2G02S
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LL--3291 8 LPT0140R NROSP51M NR2D251M NR2D351M UGE2G02S
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LL--3292 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
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LL--3293 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
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LL--3294 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
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LL--3295 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
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LL--3296 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
UGE3G02S UGE3G03R UG2G03M

LL--3297 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0413N
UGE3G02S UGE3G3SD UG2G03M

LL--3298 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0613N
UGE2G02M UGE3G02S UGE3G03M

LL--3299 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0613N
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LL--3300 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0613N
UGE2G02M UGE3G02S UGE3G3SD

LL--3301 8 LPT0140S LPT0140Y NROSP51M NR2D251M UCB0613N

		UGE2G02R	UGE3G02S	UGE3G03M		
LL--3302	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02R	UGE3G02S	UGE3G03R		
LL--3303	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02R	UGE3G02S	UGE3G3SD		
LL--3304	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02M	UGE3G03M		
LL--3305	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02M	UGE3G03R		
LL--3306	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UC[illegible]613N
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LL--3307	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02R	UGE3G03M		
LL--3308	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02R	UGE3G03R		
LL--3309	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02R	UGE3G3SD		
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		UGE2G02S	UGE3G02S	UGE[illegible]3M		
LL--3311	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02S	UGE3G03R		
LL--3312	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G02S	UGE3G3SD		
LL--3313	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G03M	UGE3G2SD		
LL--3314	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G03R	UGE3G2SD		
LL--3315	8	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N
		UGE2G02S	UGE3G2SD	UGE3G3SD		

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                  UGE2G02S  UGE3G03M  UG2G03M
LL--3317      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTARE4K
                  UGE2G02S  UGE3G3SD  UG2G03M
LL--3318      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTARE6K
                  UGE2G02   UGE3G02S  UG2G03M
LL--3319      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTARE6K
                  UGE2G02S  UGE3G02M  UG2G03M
LL--3320      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTARE6K
                  UGE2G02S  UGE3G2SD  UG2G03M
LL--3321      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTAX51M
                  UGE2G02S  UGE3G03M  UG2G03M
LL--3322      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTAX51M
                  UGE2G02S  UGE3G03R  UG2G03M
LL--3323      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UFTAX[illegible]M
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LL--3324      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02M
                  UGE3G02S  UGE3G03M  UG2G03M
LL--3325      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02M
                  UGE3G02S  UGE3G03R  UG2G03M
LL--3326      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02M
                  UGE3G02S  UGE3G3SD  UG2G03M
LL--3327      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02R
                  UGE3G02S  UGE3G03M  UG2G03M
LL--3328      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02R
                  UGE3G02S  UGE3G03R  UG2G03M
LL--3329      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02R
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LL--3330      8   LPT0140S  LPT0140Y  NROSP51M  NR2D251M  UGE2G02S
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                UGE3G02M  UGE3G03R  UG2G03M
LL--3332    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G02M  UGE3G3SD  UG2G03M
LL--3333    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G02R  UGE3G03M  UG2G03M
LL--3334    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
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LL--3335    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
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LL--3336    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
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LL--3337    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
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LL--3338    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G02S  UGE3G3SD  UG2G03M
LL--3339    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G03M  UGE3G2SD  UG2G03M
LL--3340    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G03R  UGE3G2SD  UG2G03M
LL--3341    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D251M  UGE2G02S
                UGE3G2SD  UGE3G3SD  UG2G03M
LL--3342    9   LPT0140S  LPT0140Y  NR0SP51M  NR2D351M  UCB0413N
                UGE2G03R  UGE3G02M  UGE3G03S
LL--3343    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D351M  UCB0413N
                UGE2G03R  UGE3G02R  UGE3G03S
LL--3344    8   LPT0140S  LPT0140Y  NR0SP51M  NR2D351M  UCB0413N
                UGE2G03R  UGE3G03S  UGE3G2SD
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LL--3345 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G02M UGE3G03M

LL--3346 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G02M UGE3G03R

LL--3347 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G02M UGE3G03S

LL--3348 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
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LL--3349 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
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LL--3350 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G02R UGE3G03R

LL--3351 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G02R UGE3G03S

LL--3352 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
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LL--3353 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G03M UGE3G2SD

LL--3354 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G03R UGE3G2SD

LL--3355 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G03S UGE3G2SD

LL--3356 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE2G03S UGE3G2SD UGE3G3SD

LL--3357 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
UGE3G02M UGE3G03S UG2G03M

LL--3358 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N
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LL--3359 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0413N

UGE3G03S UGE3G2SD UG2G03M

LL--3360 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0613N

UGE2G02M UGE3G02M UGE3G03S

LL--3361 8 LPT0140S LPT0140Y NROSP51M NR2D351M UCB0613N

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L-04-02 L-04-03 L-04-04 L-04-05 L-04-09 L-04-10 L-04-12 L-04-13 L-04A-01 L-04A-02

L-04A-03 L-05-01 L-05-02 L-05-04 L-05-05 L-05-06 L-05-07 L-06-01 L-06-02 L-06-03

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LL--1919 LL--1920 LL--1921 LL--1922 LL--1923 LL--1924 LL--1925 LL--1926 LL--1927 LL--1928

LL--1929 LL--1930 LL--1931 LL--1932 LL--1933 LL--1934 LL--1935 LL--1936 LL--1937 LL--1938

LL--1939 LL--1940 LL--1941 LL--1942 LL--1943 LL--1944 LL--1945 LL--1946 LL--1947 LL--1948

LL--1949 LL--1950 LL--1951 LL--1952 LL--1953 LL--1954 LL--1955 LL--1956 LL--1957 LL--1958

LL--1959 LL--1960 LL--1961 LL--1962 LL--1963 LL--1964 LL--1965 LL--1966 LL--1967 LL--1968

LL--1969 LL--1970 LL--1971 LL--1972 LL--1973 LL--1974 LL--1975 LL--1976 LL--1977 LL--1978

LL--1979 LL--1980 LL--1981 LL--1982 LL--1983 LL--1984 LL--1985 LL--1986 LL--1987 LL--1988

LL--1989 LL--1990 LL--1991 LL--1992 LL--1993 LL--1994 LL--1995 LL--1996 LL--1997 LL--1998

LL--1999 LL--2000 LL--2001 LL--2002 LL--2003 LL--2004 LL--2005 LL--2006 LL--2007 LL--2008

LL--2009 LL--2010 LL--2011 LL--2012 LL--2013 LL--2014 LL--2015 LL--2016 LL--2017 LL--2018

LL--2019 LL--2020 LL--2021 LL--2022 LL--2023 LL--2024 LL--2025 LL--2026 LL--2027 LL--2028

LL--2029 LL--2030 LL--2031 LL--2032 LL--2033 LL--2034 LL--2035 LL--2036 LL--2037 LL--2038

LL--2039 LL--2040 LL--2041 LL--2042 LL--2043 LL--2044 LL--2045 LL--2046 LL--2047 LL--2048

LL--2049 LL--2050 LL--2051 LL--2052 LL--2053 LL--2054 LL--2055 LL--2056 LL--2057 LL--2058

LL--2059 LL--2060 LL--2061 LL--2062 LL--2063 LL--2064 LL--2065 LL--2066 LL--2067 LL--2068

LL--2069 LL--2070 LL--2071 LL--2072 LL--2073 LL--2074 LL--2075 LL--2076 LL--2077 LL--2078

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LL--2089 LL--2090 LL--2091 LL--2092 LL--2093 LL--2094 LL--2095 LL--2096 LL--2097 LL--2098

LL--2099 LL--2100 LL--2101 LL--2102 LL--2103 LL--2104 LL--2105 LL--2106 LL--2107 LL--2108

LL--2109 LL--2110 LL--2111 LL--2112 LL--2113 LL--2114 LL--2115 LL--2116 LL--2117 LL--2118

LL--2119 LL--2120 LL--2121 LL--2122 LL--2123 LL--2124 LL--2125 LL--2126 LL--2127 LL--2128

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LL--2209 LL--2210 LL--2211 LL--2212 LL--2213 LL--2214 LL--2215 LL--2216 LL--2217 LL--2218

LL--2219 LL--2220 LL--2221 LL--2222 LL--2223 LL--2224 LL--2225 LL--2226 LL--2227 LL--2228

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LL--2239 LL--2240 LL--2241 LL--2242 LL--2243 LL--2244 LL--2245 LL--2246 LL--2247 LL--2248

LL--2249 LL--2250 LL--2251 LL--2252 LL--2253 LL--2254 LL--2255 LL--2256 LL--2257 LL--2258

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LL--2289 LL--2290 LL--2291 LL--2292 LL--2293 LL--2294 LL--2295 LL--2296 LL--2297 LL--2298

LL--2299 LL--2300 LL--2301 LL--2302 LL--2303 LL--2304 LL--2305 LL--2306 LL--2307 LL--2308

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LL--3389 LL--3390 LL--3391 LL--3392 LL--3393 LL--3394 LL--3395 LL--3396 LL--3397 LL--3398

LL--3399 LOOP-CM U-01-01 U-01-02 U-01-03 U-01-04 U-01-05 U-01-06 U-01-07 U-01-08

U-02-01 U-02-02 U-02-03 U-02-04 U-02-05 U-02-06 U-02-07 U-02-08 U-03-01 U-04-01

U-04-02 U-05-01 U-05-02 U-06-01 U-06A-01 U-06B-01 U-1A-03 U-1A-04 U-1A-05 U-1A-06

U-1A-07 U-1B-01 U-1B-02 U-1B-03 U-1B-04 U-1B-05 U-2A-03 U-2A-04 U-2A-05 U-2A-06

U-2A-07 U-2B-01 U-2B-02 U-2B-03 U-2B-04 U-2B-05 UA-01-01 UA-01-02 UA-01-03 UA-01-04

UA-01-05 UA-01-06 UA-01-07 UA-01-08 UA-01-09 UA-02-01 UA-02-02 UA-02-03 UA-02-04 UA-02-05

UA-03-01 UA-03-02 UA-03-03 UA-03-04 UA-03-05 UA-1A-01 UA-1A-02 UA-1A-03 UA-1A-04 UA-1A-05

UA-1A-06 UA-1A-07 UA-1A-08 UB-01-01 UB-01-02 UB-01-03 UB-01-04 UB-01-05 UB-01-06 UB-01-07

UB-01-08 UB-01-09 UB-02-01 UB-02-02 UB-02-03 UB-02-04 UB-02-05 UB-03-01 UB-03-02 UB-03-03

UB-03-04 UB-03-05 UB-1A-01 UB-1A-02 UB-1A-03 UB-1A-04 UB-1A-05 UB-1A-06 UB-1A-07 UB-1A-08

UC-01-01 UC-01-02 UC-01-03 UC-01-04 UC-01-05 UC-01-06 UC-01-07 UC-01-08 UC-01-09 UC-02-01

UC-02-02 UC-02-03 UC-02-04 UC-02-05 UC-03-01 UC-03-02 UC-03-03 UC-03-04 UC-03-05 UC-1A-01

UC-1A-02 UC-1A-03 UC-1A-04 UC-1A-05 UC-1A-06 UC-1A-07 UC-1A-08 UD-01-01 UD-01-02 UD-01-03

UD-01-04 UD-01-05 UD-01-06 UD-01-07 UD-01-08 UD-01-09 UD-02-01 UD-02-02 UD-02-03 UD-02-04

UD-02-05 UD-03-01 UD-03-02 UD-03-03 UD-03-04 UD-03-05 UD-1A-01 UD-1A-02 UD-1A-03 UD-1A-04

UD-1A-05 UD-1A-06 UD-1A-07 UD-1A-08 UE-01-01 UE-01-02 UE-01-03 UE-01-04 UE-01-05 UE-01-06

UE-01-07 UE-01-08 UE-01-09 UE-02-01 UE-02-02 UE-02-03 UE-02-04 UE-02-05 UE-03-01 UE-03-02

UE-03-03 UE-03-04 UE-03-05 UE-1A-01 UE-1A-02 UE-1A-03 UE-1A-04 UE-1A-05 UE-1A-06 UE-1A-07

UE-1A-08 UF-01-01 UF-01-02 UF-01-03 UF-01-04 UF-01-05 UF-01-06 UF-01-07 UF-01-08 UF-01-09

UF-02-01 UF-02-02 UF-02-03 UF-02-04 UF-02-05 UF-03-01 UF-03-02 UF-03-03 UF-03-04 UF-03-05

UF-1A-01 UF-1A-02 UF-1A-03 UF-1A-04 UF-1A-05 UF-1A-06 UF-1A-07 UF-1A-08 ZC-01-02 ZC-01-03

ZC-01-05 ZC-01-06 ZC-01-07 ZC-01-08 ZC-01-09 ZC-01-10 ZC-02-01 ZC-02-02 ZC-02-03

0BASIC NODES

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LMV4705P LMV4705R LMV4706M LMV4706P LMV4706R LMV4712M LMV4712P LMV4712R LMV4713M LMV4713P

LMV4713R LMV4714M LMV4714P LMV4715M LMV4715P LMV4716M LMV4716P LMV4730M LMV4730P LMV4731M

LMV4731P LMV4762M LMV4762P LMV4763M LMV4763P LOOP LOOPC LOPCROSV LOPMDISC LOPORFIL

LOP4762X LOP4763X LPM0141M LPM0141R LPM0141S LPM0504M LPM0504R LPM0504S LPT0140M LPT0140R

LPT0140S LPT0140Y LPY0140R LSV4714P LSV4731P LTKCONDH LXV0122X LXV0123X LXV0125X LXV0127X

LXV0128X LXV0130X LXV0131X LXV0133X LXV0134X LXV0135X LXV0152X LXV0153X LXV0154X LXV0468X

LXV0469X LXV0471X LXV0533X LXV0538X LXV0542X LXV0553X LXV471AX NROSP2.0 NROSP3.0 NROSP4.0

NROSP51M NROSP7.5 NROSP90M NR2D22.0 NR2D23.0 NR2D24.0 NR2D251M NR2D27.5 NR2D290M NR2D32.0

NR2D33.0 NR2D34.0 NR2D351M NR2D37.5 NR2D390M NR3D22.0 NR3D23.0 NR3D24.0 NR3D251M NR3D27.5

NR3D290M NR3D32.0 NR3D33.0 NR3D34.0 NR3D3[illegible]M NR3D37.5 NR3D390M RCPFAIL SEALFAIL SEALWISD

UBS2ABEH UBS2ABJH UBS2ABRA UBS2ABRB UBS2ABYH UBS2ABZH UBS2A04H UBS2A06H UBS2B04H UBS2B06H

UCAG002A UCAG003A UCBBE06O UCBBE36O UCBBRA05 UCBBRB05 UCBBZ04O UCBBZ21O UCB0404N UCB0413N

UCB0603N UCB0613N UFTACBN UFTARE4K UFTARE6K UFTAR6K UFTAX2.0 UFTAX3.0 UFTAX4.0 UFTAX51M

UFTAX7.5 UFTAX90M UGE2G02M UGE2G02R UGE2G02S UGE2G03M UGE2G03O UGE2G03S UGE3G02M UGE3G02R

UGE3G02S UGE3G03M UGE3G03R UGE3G03S UGE3G2SD UGE3G3SD UG2G03M UOPLSHED U2G02TSM U2G022.0

U2G023.0 U2G024.0 U2G0251M U2G027.5 U2G0290M U2G03TSM U2G032.0 U2G033.0 U2G034.0 U2G0351M

U2G037.5 U2G0390M U3G02TSM U3G022.0 U3G023.0 U3G024.0 U3G0251M U3G027.5 U3G0290M U3G03TSM

U3G032.0 U3G033.0 U3G034.0 U3G0351M U3G037.5 U3G0390M ZCSEALOP

1RUN 1

.PROGRAM INSTRUCTIONS

PROCESS LOOP-CM

TRUE LOOPC

PUNCH

IMPORT

0.31E-02 CRV0003O

0.89E-03 EFAS1CCF

0.89E-03 EFAS2CCF

0.24E-04 IBCB001H

0.24E-04 IBCB002H

0.24E-04 IBCB003H

0.24E-04 IBCB004H

0.24E-04 IBEB009H

0.24E-04 IBJB010H

0.24E-06 IBSD1P1H

0.24E-06 IBSD2P1

0.24E-06 IBSD2P2H

0.24E-06	IBSD3P1H
0.24E-06	IBSD4P1H
0.24E-04	IBYB007H
0.24E-04	IBYB008H
0.24E-04	IBZB008H
0.72E-05	ICA488EH
0.72E-05	ICA488JH
0.72E-05	ICA488YH
0.72E-05	ICA488ZH
0.30E-04	ICB1D103
0.30E-04	ICB1P101
0.30E-04	ICB2D105
0.30E-04	ICB2D203
0.30E-04	ICB2D205
0.30E-04	ICB2P101
0.30E-04	ICB3P106
0.30E-04	ICBY110O
0.30E-04	ICBY210O
0.24E-02	IIV0001X
0.24E-02	IIV0002X
0.17E+00	JIVTHIGH
0.83E+00	JIVTLOW
0.52E-04	KEFAS1A
0.52E-04	KEFAS1L
0.52E-04	KEFAS2A
0.52E-04	KEFAS2B
0.10E-02	KLOPBUV
0.20E-02	KLOV1
0.20E-02	KLOV2

0.20E-02 KLOV3

0.20E-02 KLOV4

0.30E-02 KOPEFAS

0.13E-03 LAV8200Q

0.13E-03 LAV8201Q

0.10E-03 LCV0003P

0.10E-03 LCV0005P

0.12E-04 LCV0121F

0.10E-03 LCV0121P

0.10E-03 LCV0124P

0.12E-04 LCV0126F

0.10E-03 LCV0126P

0.10E-03 LCV0448P

0.12E-04 LCV0532F

0.10E-03 LCV0532P

0.12E-04 LCV0547F

0.10E-03 LCV0547P

0.40E-07 LFLOWDIV

0.25E-04 LMV4705M

0.30E-02 LMV4705P

0.10E-02 LMV4705R

0.25E-04 LMV4706M

0.30E-02 LMV4706P

0.10E-02 LMV4706R

0.25E-04 LMV4712M

0.30E-02 LMV4712P

0.10E-02 LMV4712R

0.25E-04 LMV4713M

0.30E-02 LMV4713P

0.10E-02 LMV4713R

0.25E-04 LMV4714M

0.30E-02 LMV4714P

0.25E-04 LMV4715M

0.30E-02 LMV4715P

0.25E-04 LMV4716M

0.30E-02 LMV4716P

0.25E-04 LMV4730M

0.30E-02 LMV4730P

0.25E-04 LMV4731M

0.30E-02 LMV4731P

0.25E-04 LMV4762M

0.30E-02 LMV4762P

0.25E-04 LMV4763M

0.30E-02 LMV4763P

0.45E-01 LOOP

0.10E-02 LOOPC

0.30E-02 LOP4762X

0.30E-02 LOP4763X

0.25E+00 LOPCROSV

0.10E+00 LOPMDISC

0.10E-02 LOPORFIL

0.37E-02 LPM0141M

0.72E-03 LPM0141R

0.30E-02 LPM0141S

0.37E-02 LPM0504M

0.72E-03 LPM0504R

0.30E-02 LPM0504S

0.37E-02 LPT0140M

0.24E-03 LPT0140R

0.30E-01 LPT0140S

0.24E+00 LPT0140Y

0.24E-03 LPY0140R

0.10E-02 LSV4714P

0.10E-02 LSV4731P

0.20E-07 LTKCONDH

0.10E-03 LXV0122X

0.10E-03 LXV0123X

0.10E-03 LXV0125X

0.10E-03 LXV0127X

0.10E-03 LXV0128X

0.10E-03 LXV0130X

0.10E-03 LXV0131X

0.10E-03 LXV0133X

0.10E-03 LXV0134X

0.10E-03 LXV0136X

0.10E-03 LXV0152X

0.10E-03 LXV0153X

0.10E-03 LXV0154X

0.10E-03 LXV0468X

0.10E-03 LXV0469X

0.10E-03 LXV0471X

0.10E-03 LXV0533X

0.10E-03 LXV0538X

0.10E-03 LXV0542X

0.10E-03 LXV0553X

0.10E-03 LXV471AX

0.10E+01 NR2022.0

0.10E+01 NRZD23.0

0.10E+01 NRZD24.0

0.94E+00 NRZD251M

0.10E+01 NRZD27.5

0.89E+00 NRZD290M

0.10E+01 NRZD32.0

0.10E+01 NRZD33.0

0.10E+01 NRZD34.0

0.94E+00 NRZD351M

0.10E+01 NRZD37.5

0.89E+00 NRZD390M

0.10E+01 NR3D22.0

0.10E+01 NR3D23.0

0.10E+01 NR3D24.0

0.94E+00 NR3D251M

0.10E+01 NR3D27.5

0.89E+00 NR3D290M

0.10E+01 NR3D32.0

0.10E+01 NR3D33.0

0.10E+01 NR3D34.0

0.94E+00 NR3D351M

0.10E+01 NR3D37.5

0.89E+00 NR3D390M

0.14E+00 NROSP1.0

0.90E-01 NROSP2.0

0.70E-01 NROSP4.0

0.33E+00 NROSP51M

0.20E-01 NROSP7.5

0.70E+00 NROSP90M

0.10E+00 RCPFAIL

0.10E-02 SEALFAIL

0.10E-02 SEALMISO

0.46E-02 U G022.0

0.69E-02 U[illegible]023.0

0.92E-02 U2G024.0

0.19E-02 U2G0251M

0.17E-01 U2G[illegible]7.5

0.35E-02 U2G0290M

0.46E-02 U2G032.0

0.69E-02 U2G033.0

0.92E-02 U2G034.0

0.19E-02 U2G0351M

0.17E-01 U2G037.5

0.35E-02 U2G0390M

0.46E-02 U3G022.0

0.69E-02 U3G023.0

0.92E-02 U3G024.0

0.19E-02 U3G0251M

0.17E-01 U3G027.5

0.35E-02 U3G0290M

0.46E-02 U3G032.0

0.69E-02 U3G033.0

0.92E-02 U3G034.0

0.19E-02 U3G0351M

0.17E-01 U3G037.5

0.35E-02 U3G0390M

0.24E-06 UBS2A04H

0.24E-06 UBS2A06H

0.24E-06 UBSZABEH

0.24E-06 UBSZABJH

0.24E-06 UBSZABRA

0.24E-06 UBSZABRB

0.24E-06 UBSZABYH

0.24E-06 UBSZABZH

0.24E-04 UBSZB04H

0.24E-06 UBSZB06H

0.79E-04 UCAG002A

0.79E-04 UCAG003A

0.30E-02 UCB0404N

0.30E-02 UCB0413N

0.30E-02 UCB0605N

0.30E-02 UCB0613N

0.30E-04 UCBBE06O

0.30E-04 UCBBE36O

0.30E-04 UCBBRA05

0.30E-04 UCBBRB05

0.30E-04 UCBBZ04O

0.30E-04 UCBBZ21O

0.86E-04 UFTACBN

0.30E-03 UFTAR6K

0.30E-03 UFTARE4K

0.30E-03 UFTARE6K

0.50E-02 UFTAX2.0

0.50E-02 UFTAX3.0

0.50E-02 UFTAX4.0

0.50E-02 UFTAX51M

0.50E-02 UFTAX7.5

```
              0.50E-02  UFTAX90M
              0.82E-01  UG2G03M
              0.82E-01  UGE2G02M
              0.55E-01  UGE2G02R
              0.25E-01  UGE2G02S
              0.82E-01  UGE2G03M
              0.55E-01  UGE2G03R
              0.25E-01  UGE2G03S
              0.82E-01  UGE3G02M
              0.55E-01  UGE3G02R
              0.25E-01  UGE3G02S
              0.82E-01  UGE3G03M
              0.55E-01  UGE3G03R
              0.25E-01  UGE3G03S
              0.15E+00  UGE3G2SD
              0.15E+00  UGE3G3SD
              0.45E-01  U2G02TSM
              0.45E-01  U2G03TSM
              0.45E-01  U3G02TSM
              0.45E-01  U3G03TSM
              0.30E-02  UOPLSHED
              0.10E-01  ZCSEALOP
       LIMIT  0.10E-09
       *XEQ
0BASIC EVENT IMPORTANCE MEASURES

      CRV00030 0.1100000E-02    EFAS1CCF 0.8900000E-03    EFAS2CCF 0.8900000E-03    IBCB001H 0.2399999E-04
      IBCB002H 0.2399999E-04    IBCB003H 0.2399999E-04    IBCB004H 0.2399999E-04    IBEB009H 0.2399999E-04
      IBJB010H 0.2399999E-04    IBSD1P1H 0.2400000E-06    IBSD2P1  0.2400000E-06    IBSD2P2H 0.2400000E-06
```

IBSD3P1M 0.2400000E-06	IBSD4P1M 0.2400000E-06	IBYB007M 0.2399999E-04	IBYB008M 0.2399999E-04
IBZB008M 0.2399999E-04	ICA48BEM 0.7200000E-05	ICA48BJM 0.7200000E-05	ICA48BYM 0.7200000E-05
ICA48BZM 0.7200000E-05	ICBY110O 0.3000000E-04	ICBY210O 0.3000000E-04	ICB1D103 0.3000000E-04
ICB1P101 0.3000000E-04	ICB2D105 0.3000000E-04	ICB2D203 0.3000000E-04	ICB2D205 0.3000000E-04
ICB2P101 0.3000000E-04	ICB3P106 0.3000000E-04	IIV0001X 0.2400000E-02	IIV0002X 0.2400000E-02
JIVTHIGH 0.1700000E+00	JIVTLOW 0.8300000E+00	KEFAS1A 0.5200000E-04	KEFAS1B 0.5200000E-04
KEFAS2A 0.5200000E-04	KEFAS2B 0.5200000E-04	KLOPBUV 0.9999999E-03	KLOV1 0.2000000E-02
KLOV2 0.2000000E-02	KLOV3 0.2000000E-02	KLOV4 0.2000000E-02	KOPEFAS 0.3000000E-02
LAV8200Q 0.1300000E-03	LAV8201Q 0.1300000E-03	LCV0003P 0.1000000E-03	LCV0005P 0.1000000E-03
LCV0121F 0.1200000E-04	LCV0121P 0.1000000E-03	LCV0124P 0.1000000E-03	LCV0126F 0.1200000E-04
LCV0126P 0.1000000E-03	LCV0448P 0.1000000E-03	LCV0532F 0.1200000E-04	LCV0532P 0.1000000E-03
LCV0547F 0.1200000E-04	LCV0547P 0.1000000E-03	LFLOWDIV 0.4000000E-07	LMV4705M 0.2500000E-04
LMV4705P 0.3000000E-02	LMV4705R 0.9999999E-03	LMV4706M 0.2500000E-04	LMV4706P 0.3000000E-02
LMV4706R 0.9999999E-03	LMV4712M 0.2500000E-04	LMV4712P 0.3000000E-02	LMV4712R 0.9999999E-03
LMV4713M 0.2500000E-04	LMV4713P 0.3000000E-02	LMV4713R 0.9999999E-03	LMV4714M 0.2500000E-04
LMV4714P 0.3000000E-02	LMV4715M 0.2500000E-04	LMV4715P 0.3000000E-02	LMV4716M 0.2500000E-04
LMV4716P 0.3000000E-02	LMV4730M 0.2500000E-04	LMV4730P 0.3000000E-02	LMV4731M 0.2500000E-04
LMV4731P 0.3000000E-02	LMV4762M 0.2500000E-04	LMV4762P 0.3000000E-02	LMV4763M 0.2500000E-04
LMV4763P 0.3000000E-02	LOOP 0.4500000E-01	LOOPC 0.9999999E-03	LOPCROSV 0.2500000E+00
LOPWDISC 0.1000000E+00	LOPORFIL 0.9999999E-03	LOP4762X 0.3000000E-02	LOP4763X 0.3000000E-02
LPM0141M 0.3700000E-02	LPM0141R 0.7199999E-03	LPM0141S 0.3000000E-02	LPM0504M 0.3700000E-02
LPM0504R 0.7199999E-03	LPM0504S 0.3000000E-02	LPT0140M 0.3700000E-02	LPT0140R 0.2400000E-03
LPT0140S 0.3000000E-01	LPT0140Y 0.2400000E+00	LPY0140R 0.2400000E-03	LSV4714P 0.9999999E-03
LSV4731P 0.9999999E-03	LTKCONDH 0.2000000E-07	LXV0122X 0.1000000E-03	LXV0123X 0.1000000E-03
LXV0125X 0.1000000E-03	LXV0127X 0.1000000E-03	LXV0128X 0.1000000E-03	LXV0130X 0.1000000E-03
LXV0131X 0.1000000E-03	LXV0133X 0.1000000E-03	LXV0134X 0.1000000E-03	LXV0136X 0.1000000E-03
LXV0152X 0.1000000E-03	LXV0153X 0.1000000E-03	LXV0154X 0.1000000E-03	LXV0468X 0.1000000E-03
LXV0469X 0.1000000E-03	LXV0471X 0.1000000E-03	LXV0533X 0.1000000E-03	LXV0538X 0.1000000E-03
LXV0542X 0.1000000E-03	LXV0553X 0.1000000E-03	LXV471AX 0.1000000E-03	NROSP2.0 0.1400000E+00

NROSP3.0 0.8999997E-01	NROSP4.0 0.6999999E-01	NROSP51M 0.3700000E+00	NROSP7.5 0.2000000E-01
NROSP90M 0.2000000E+00	NR2D22.0 0.1000000E+01	NR2D23.0 0.1000000E+01	NR2D24.0 0.1000000E+01
NR2D251M 0.9400000E+00	NR2D27.5 0.1000000E+01	NR2D290M 0.8900000E+00	NR2D32.0 0.1000000E+01
NR2D33.0 0.1000000E+01	NR2D34.0 0.1000000E+01	NR2D351M 0.9400000E+00	NR2D37.5 0.1000000E+01
NR2D390M 0.8900000E+00	NR3D22.0 0.1000000E+01	NR3D23.0 0.1000000E+01	NR3D24.0 0.1000000E+01
NR3D251M 0.9400000E+00	NR3D27.5 0.1000000E+01	NR3D290M 0.8900000E+00	NR3D32.0 0.1000000E+01
NR3D33.0 0.1000000E+01	NR3D34.0 0.1000000E+01	NR3D351M 0.9400000E+00	NR3D37.5 0.1000000E+01
NR3D390M 0.8900000E+00	RCPFAIL 0.1000000E+00	SEALFAIL 0.9999999E-03	SEALNISC 0.9999999E-03
UBS2ABEH 0.2400000E-06	UBS2ABJH 0.2400000E-06	UBS2ABRA 0.2400000E-06	UBS2ABRB 0.2400000E-06
UBS2ABYH 0.2400000E-06	UBS2ABZH 0.2400000E-06	UBS2A04H 0.2400000E-06	UBS2AG0H 0.2400000E-06
UBS2B04H 0.2400000E-06	UBS2B06H 0.2400000E-06	UCAG002A 0.7900000E-04	UCAG003A 0.7900000E-04
UCB8E06O 0.3000000E-04	UCB8E36O 0.3000000E-04	UCBBRA05 0.3000000E-04	UCBBRB05 0.3000000E-04
UCB8Z04O 0.3000000E-04	UCB8Z21O 0.3000000E-04	UCB0404N 0.3000000E-02	UCB0413N 0.3000000E-02
UCB0603N 0.3000000E-02	UCB0613N 0.3000000E-02	UFTACBN 0.8600000E-04	UFTARE4K 0.3000000E-03
UFTARE6K 0.3000000E-03	UFTAR6K 0.3000000E-03	UFTAX2.0 0.4999999E-02	UFTAX3.0 0.4999999E-02
UFTAX4.0 0.4999999E-02	UFTAX51M 0.4999999E-02	UFTAX7.5 0.4999999E-02	UFTAX90M 0.4999999E-02
UGE2G02M 0.8200002E-01	UGE2G02R 0.5500000E-01	UGE2G02S 0.2500000E-01	UGE2G03M 0.8200002E-01
UGE2G03R 0.5500000E-01	UGE2G03S 0.2500000E-01	UGE3G02M 0.8200002E-01	UGE3G02R 0.5500000E-01
UGE3G02S 0.2500000E-01	UGE3G03M 0.8200002E-01	UGE3G03R 0.5500000E-01	UGE3G03S 0.2500000E-01
UGE3G2SD 0.1500000E+00	UGE3G3SD 0.1500000E+00	UG2G03M 0.8200002E-01	UOPLSHED 0.3000000E-02
U2G02TSM 0.4500000E-01	U2G022.0 0.4600000E-02	U2G023.0 0.6900001E-02	U2G024.0 0.9199999E-02
U2G0251M 0.1900000E-02	U2G027.5 0.1700000E-01	U2G0290M 0.3500000E-02	U2G03TSM 0.4500000E-01
U2G032.0 0.4600000E-02	U2G033.0 0.6900001E-02	U2G034.0 0.9199999E-02	U2G0351M 0.1900000E-02
U2G037.5 0.1700000E-01	U2G0390M 0.3500000E-02	U3G02TSM 0.4500000E-01	U3G022.0 0.4600000E-02
U3G023.0 0.6900001E-02	U3G024.0 0.9199999E-02	U3G0251M 0.1900000E-02	U3G027.5 0.1700000E-01
U3G0290M 0.3500000E-02	U3G03TSM 0.4500000E-01	U3G032.0 0.4600000E-02	U3G033.0 0.6900001E-02
U3G034.0 0.9199999E-02	U3G0351M 0.1900000E-02	U3G037.5 0.1700000E-01	U3G0390M 0.3500000E-02
ZCSEALOP 0.1000000E-01			

1 ANALYSIS OF PRIMAL TREE

0IMPLICANTS HAVING IMPORTANCE LESS THAN 0.9999999E-10 ARE NOT GIVEN

0IMPLICANTS IN TERMS OF BASIC EVENTS

0 IMPLICANTS FOR EVENT 'LOOP-CM

0	1	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD
0	2	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD
0	3	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD
0	4	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM
0	5	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM
0	6	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD
0	7	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD
0	8	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM
0	9	JIVTLOW	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM
0	10	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD
0	11	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD
0	12	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM
0	13	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM
0	14	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD
0	15	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD
0	16	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM
0	17	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM
0	18	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM
0	19	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM
0	20	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM
0	21	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM
0	22	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM
0	23	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M

0	24	LOOP	LOPMDISC	NROSP90M	NRZD390M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD
0	25	LOOP	LOPMDISC	NROSP90M	NRZD290M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD
0	26	JIVTLOM	LOOP	NROSP7.5	NRZD37.5	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD
0	27	JIVTLOM	LOOP	NROSP7.5	NRZD27.5	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD
0	28	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM	
0	29	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM	
0	30	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM	
0	31	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM	
0	32	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM	
0	33	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM	
0	34	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM	
0	35	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M	
0	36	JIVTHIGH	LOOP	NROSP4.0	NRZD34.0	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD
0	37	JIVTHIGH	LOOP	NROSP4.0	NRZD24.0	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD
0	38	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM	
0	39	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM	
0	40	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM	
0	41	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM	
0	42	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM	
0	43	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM	
0	44	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM	
0	45	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M	
0	46	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G027.5	
0	47	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G037.5	
0	48	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	49	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	50	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	51	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	52	LOOP	LOPMDISC	NROSP90M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	

0	53	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	54	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	55	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	
0	56	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	57	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	58	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM
0	59	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM
0	60	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	61	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	62	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	63	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD
0	64	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	65	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD
0	66	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM
0	67	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM
0	68	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	69	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	70	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	71	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	72	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD
0	73	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD
0	74	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	75	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	76	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	77	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	78	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	79	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	80	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	81	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	

0	82	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	83	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	84	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2S0	UGE3G3SD
0	85	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M
0	86	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM
0	87	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM
0	88	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	89	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	90	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	91	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD
0	92	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD
0	93	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	94	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	95	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	96	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	97	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	98	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	99	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	100	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	101	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	102	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	103	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	
0	104	JIVTLOW	LOOP	NROSP7.5	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G037.5	
0	105	JIVTLOW	LOOP	NROSP7.5	UGE3G2SD	UGE3G3SD	U2G027.5	U2G03TSM	
0	106	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	UGE3G3SD	U2G037.5	
0	107	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G3SD	U3G027.5	
0	108	JIVTLOW	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G2SD	U3G037.5	
0	109	JIVTLOW	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	UGE3G2SD	U2G027.5	
0	110	JIVTLOW	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	UGE3G3SD	U2G027.5	

0	111	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	UGE3G2SD	U2G037.5	
0	112	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM	
0	113	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM	
0	114	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM	
0	115	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM	
0	116	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM	
0	117	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM	
0	118	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM	
0	119	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM	
0	120	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM
0	121	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM
0	122	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM
0	123	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM
0	124	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM
0	125	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM
0	126	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM
0	127	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM
0	128	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM
0	129	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM
0	130	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	131	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM
0	132	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M
0	133	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M
0	134	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S
0	135	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M
0	136	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M
0	137	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G2SD UGE3G3SD
0	138	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	139	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM

0	140	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM	
0	141	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM	
0	142	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM	
0	143	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM	
0	144	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM	
0	145	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM	
0	146	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM	
0	147	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM	
0	148	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM	
0	149	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM	
0	150	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE2G03M	UGE3GG2M	UGE3G03S	
0	151	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G02K	UGE3G03M	
0	152	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	
0	153	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M	
0	154	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	155	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	156	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM		
0	157	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM		
0	158	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM		
0	159	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM		
0	160	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM		
0	161	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM		
0	162	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	163	LOOP	LOPMDISC	NROSP90M	UFTAX90M	U2G02TSM	U2G03TSM			
0	164	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G024.0		
0	165	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G034.0		
0	166	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM	
0	167	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM	
0	168	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M	

0	169	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD	
0	170	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD	
0	171	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M	
0	172	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	173	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M		
0	174	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G02TSM	U2G03TSM			
0	175	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	176	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM	
0	177	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM	
0	178	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM	
0	179	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM	
0	180	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM	
0	181	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM	
0	182	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM	
0	183	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM	
0	184	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM	
0	185	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM	
0	186	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM	
0	187	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM	
0	188	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	
0	189	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S	
0	190	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M	
0	191	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M	
0	192	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	193	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	194	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM		
0	195	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM		
0	196	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM		
0	197	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM		

0	198	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM	
0	199	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM	
0	200	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G027.5
0	201	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G037.5
0	202	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G3SD	U2G03TSM	U3G027.5	
0	203	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G3SD	U2G027.5	U3G02TSM	
0	204	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	U2G037.5	U3G03TSM	
0	205	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	UGE3G2SD	U2G02TSM	U2G037.5	
0	206	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G3SD	U2G037.5	U3G02TSM	
0	207	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	UGE3G2SD	U2G027.5	U2G03TSM	
0	208	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	U2G03TSM	U3G037.5	
0	209	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	U2G02TSM	U3G037.5	
0	210	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G3SD	U2G02TSM	U2G037.5	
0	211	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G3SD	U2G027.5	U2G03TSM	
0	212	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G3SD	U2G02TSM	U3G027.5	
0	213	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	U2G027.5	U3G03TSM	
0	214	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G02M	U3G037.5	
0	215	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	UGE3G03M	U2G027.5	
0	216	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	UGE3G03M	U2G037.5	
0	217	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	UGE3G03M	U3G027.5	
0	218	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD	
0	219	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M	
0	220	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM	
0	221	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM	
0	222	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM	
0	223	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM	
0	224	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
0	225	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM
0	226	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM

0	227	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM	
0	228	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3GG3S	UGE3G2SD	U2G02TSM	U2G03TSM	
0	229	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM	
0	230	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM	
0	231	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM	
0	232	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM	
0	233	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM	
0	234	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM	
0	235	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM	
0	236	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM	
0	237	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2GG2M	UGE2G03S	UGE3G02M	U3G03TSM	
0	238	LOOP	LOPMDISC	NR?SP90M	NR2D390M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM	
0	239	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM	
0	240	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM	
0	241	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM	
0	242	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M	
0	243	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M	
0	244	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M	
0	245	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M	
0	246	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G0390M		
0	247	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G0290M		
0	248	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	249	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	250	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	251	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	252	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	253	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	254	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM	
0	255	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM	

0	256	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM	
0	257	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM	
0	258	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM	
0	259	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM	
0	260	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM	
0	261	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM	
0	262	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM	
0	263	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM	
0	264	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM	
0	265	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM	
0	266	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM	
0	267	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM	
0	268	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM	
0	269	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM	
0	270	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM	
0	271	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM	
0	272	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	273	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	274	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	275	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	276	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	277	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	278	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	279	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	280	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	281	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	282	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	283	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G02TSM	U2G03TSM			
0	284	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G034.0		

0	285	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	UGE3G3SD	U2G024.0	U2G03TSM		
0	286	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	UGE3G2SD	U2G024.0		
0	287	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	UGE3G3SD	U2G024.0		
0	288	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G3SD	U3G024.0		
0	289	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G2SD	U3G034.0		
0	290	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	UGE3G3SD	U2G034.0		
0	291	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	UGE3G2SD	U2G034.0		
0	292	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM	
0	293	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD		
0	294	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	UG2G03M		
0	295	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	UGE3G3SD	U2G027.5	U2G037.5		
0	296	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM	
0	297	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM	
0	298	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM	
0	299	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM	
0	300	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM	
0	301	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM	
0	302	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M	
0	303	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	UG2G03M	
0	304	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M
0	305	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD
0	306	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD
0	307	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	308	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	309	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M		
0	310	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	311	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M		
0	312	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	313	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		

0	314	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G03S	U2G02TSM		
0	315	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	U2G03TSM		
0	316	LOOP	LPM0141M	LPM0504M	LPT0140S	LPT0140Y				
0	317	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G03S	U2G02TSM		
0	318	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	U2G03TSM		
0	319	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	320	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	321	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	322	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	323	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	324	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	325	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM	
0	326	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM	
0	327	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM	
0	328	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM	
0	329	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM	
0	330	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM	
0	331	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM	
0	332	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM	
0	333	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM	
0	334	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM	
0	335	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM	
0	336	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM	
0	337	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM	
0	338	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM	
0	339	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM	
0	340	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM	
0	341	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM	
0	342	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM	

0	343	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM	
0	344	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM	
0	345	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM	
0	346	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM	
0	347	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M
0	348	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M
0	349	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	UG2G03M	
0	350	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M	
0	351	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	
0	352	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD	
0	353	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G3SD	U3G027.5
0	354	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	UGE3G3SD	U2G037.5
0	355	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	UGE3G2SD	U2G027.5
0	356	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	UGE3G3SD	U2G027.5
0	357	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G2SD	U3G037.5
0	358	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	UGE3G2SD	U2G037.5
0	359	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G3SD	U3G027.5
0	360	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	UGE3G3SD	U2G037.5
0	361	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	UGE3G3SD	U2G027.5
0	362	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	UGE3G2SD	U2G027.5
0	363	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	UGE3G2SD	U2G037.5
0	364	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G2SD	U3G037.5
0	365	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G037.5	U3G03TSM	
0	366	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G03TSM	U3G03TSM	
0	367	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G03TSM	U3G02TSM	
0	368	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G02TSM	U2G037.5	U3G02TSM	
0	369	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G02TSM	U2G03TSM	U3G027.5	
0	370	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G03TSM	U3G037.5	
0	371	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G03M	U2G02TSM	U2G037.5	

0	372	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	U2G03TSM	U3G027.5	
0	373	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	U2G02TSM	U3G037.5	
0	374	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	U2G03TSM	U3G037.5	
0	375	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	U2G02TSM	U3G027.5	
0	376	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	U3G02TSM	U3G037.5	
0	377	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	U2G027.5	U3G02TSM	
0	378	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G03M	U2G027.5	U2G03TSM	
0	379	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	U2G037.5	U3G03TSM	
0	380	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	U3G027.5	U3G03TSM	
0	381	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	U2G037.5	U3G02TSM	
0	382	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	U2G027.5	U3G03TSM	
0	383	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM	
0	384	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM	
0	385	LOOP	LOPMDISC	NROSP90M	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM	
0	386	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M	
0	387	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD	
0	388	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M	
0	389	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD	
0	390	LOOP	LPM0141M	LPM0504S	LPT0140S	LPT0140Y			
0	391	LOOP	LPM0141S	LPM0504M	LPT0140S	LPT0140Y			
0	392	LOOP	LPM0141M	LPT0140S	LPT0140Y	UCB0603N			
0	393	LOOP	LPM0504M	LPT0140S	LPT0140Y	UCB0404N			
0	394	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
0	395	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
0	396	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
0	397	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM
0	398	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
0	399	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
0	400	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM

0	401	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM	
0	402	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM	
0	403	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM	
0	404	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM	
0	405	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM	
0	406	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD		
0	407	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G3SD		
0	408	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M	
0	409	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M	
0	410	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03R	UG2G03M	
0	411	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	UGE3G3SD	U2G0290M	U2G03TSM		
0	412	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G0390M		
0	413	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G0390M		
0	414	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G0390M		
0	415	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G0290M		
0	416	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G0290M		
0	417	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G0290M		
0	418	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G0390M		
0	419	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM
0	420	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM
0	421	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM
0	422	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	UGE3G2SD	U2G03TSM
0	423	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	UGE3G3SD	U2G03TSM
0	424	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM
0	425	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S
0	426	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S
0	427	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M
0	428	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M
0	429	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M

0	430	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S	
0	431	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM		
0	432	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM		
0	433	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM		
0	434	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM		
0	435	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM		
0	436	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM		
0	437	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM		
0	438	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM		
0	439	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM		
0	440	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM		
0	441	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM		
0	442	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM		
0	443	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM			
0	444	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M			
0	445	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M			
0	446	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M			
0	447	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M			
0	448	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G03S	U2G02TSM			
0	449	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	U2G03TSM			
0	450	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G02S	UGE3G3SD	U2G02TSM	
0	451	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM	
0	452	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM	
0	453	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM	
0	454	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G03S	UGE3G2SD	U2G03TSM	
0	455	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM	
0	456	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M	
0	457	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S	
0	458	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M	

0	459	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M
0	460	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S
0	461	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S
0	462	LOOP	LPM0141S	LPM0504S	LPT0140S	LPT0140Y				
0	463	LOOP	LPT0140S	LPT0140Y	UCB0404N	UCB0603N				
0	464	LOOP	LPM0141S	LPT0140S	LPT0140Y	UCB0603N				
0	465	LOOP	LPM0504S	LPT0140S	LPT0140Y	UCB0404N				
0	466	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G02TSM	U2G037.5			
0	467	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G027.5	U2G03TSM			
0	468	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G024.0	
0	469	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G034.0	
0	470	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	U2G024.0	U3G03TSM		
0	471	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G3SD	U2G024.0	U2G03TSM		
0	472	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	U2G034.0	U3G03TSM		
0	473	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G3SD	U2G024.0	U3G02TSM		
0	474	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	UGE3G2SD	U2G024.0	U2G03TSM		
0	475	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G3SD	U2G034.0	U3G02TSM		
0	476	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G3SD	U2G02TSM	U3G024.0		
0	477	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	UGE3G2SD	U2G02TSM	U2G034.0		
0	478	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	U2G03TSM	U3G034.0		
0	479	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	U2G02TSM	U3G034.0		
0	480	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G3SD	U2G02TSM	U2G034.0		
0	481	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G3SD	U2G03TSM	U3G024.0		
0	482	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G02M	U3G034.0		
0	483	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	UGE3G03M	U3G024.0		
0	434	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	UGE3G03M	U2G024.0		
0	485	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	UGE3G03M	U2G034.0		
0	486	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	487	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	

0	488	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	489	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	490	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	491	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	492	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UG2G03M		
0	493	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M		
0	494	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	UGE3G2SD	U2G027.5	U2G037.5		
0	495	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G [illegible]SD	U2G037.5	U3G027.5		
0	496	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G3SD	U2G027.5	U3G027.5		
0	497	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G2SD	U2G037.5	U3G037.5		
0	498	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G3SD	U2G027.5	U2G037.5		
0	499	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G2SD	U2G027.5	U3G037.5		
0	500	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	501	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	502	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	503	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	
0	504	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	[illegible]		
0	505	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD		
0	506	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD		
0	507	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	[illegible]	UGE3G2SD		
0	508	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM
0	509	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM
0	510	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	511	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	512	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S	UGE3G2SD	UG2G03M
0	513	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M
0	514	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	UG2G03M
0	515	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	UG2G03M
0	516	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD

0	517	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD
0	518	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02K	UGE2G03S	UGE3G03M	UGE3G2SD
0	519	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	520	LOOP	LPT0140M	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM		
0	521	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M			
0	522	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD			
0	523	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM		
0	524	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM		
0	525	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM		
0	526	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM		
0	527	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM		
0	528	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM		
0	529	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	UGE3G3SD	U2G02TSM		
0	530	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	UGE3G2SD	U2G03TSM		
0	531	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M		
0	532	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	UG2G03M		
0	533	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M		
0	534	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M		
0	535	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M		
0	536	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M		
0	537	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M		
0	538	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	539	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M	
0	540	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	
0	541	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	
0	542	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UFTAX7.5	UGE2G02S	UGE2G03S	
0	543	LOOP	LPM0141M	LPM0504M	LPT0140M					
0	544	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM
0	545	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM

0	546	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM
0	547	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03S	UGE3G2SD	U2G03TSM
0	548	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM
0	549	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	UGE3G3SD	U2G03TSM
0	550	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M
0	551	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S
0	552	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M
0	553	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S
0	554	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M
0	555	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S
0	556	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG?G03M		
0	557	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	558	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	559	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UFTAX90M	UGE2G02S	UGE2G03S	
0	560	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM	
0	561	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM	
0	562	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM	
0	563	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM	
0	564	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM	
0	565	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM	
0	566	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM	
0	567	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM	
0	568	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM	
0	569	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM	
0	570	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM	
0	571	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM	
0	572	JIVTHIGH	LOOP	NROSP4.0	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM		
0	573	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03M	UG?G03M	
0	574	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03R	UG2G03M	

0	575	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03R	UG2G03M
0	576	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	
0	577	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UG2G03M	
0	578	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M	
0	579	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE3G03M	UG2G03M	
0	580	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G037.5	U3G03TSM
0	581	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G027.5	U2G03TSM
0	582	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G037.5	U3G02TSM
0	583	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G027.5	U3G03TSM
0	584	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G027.5	U3G02TSM
0	585	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G027.5	U2G03TSM
0	586	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G02TSM	U3G037.5
0	587	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G02TSM	U2G037.5
0	588	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G03TSM	U3G027.5
0	589	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G03TSM	U3G037.5
0	590	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G02TSM	U3G027.5
0	591	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G02TSM	U2G037.5
0	592	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE2G03M	UGE3G03S	U3G027.5
0	593	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G03M	U3G027.5
0	594	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	UGE3G03M	U2G037.5
0	595	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	UGE3G03M	U2G027.5
0	596	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	UGE3G02M	U3G037.5
0	597	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G02M	UGE3G03S	U2G027.5
0	598	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE2G03M	UGE3G02S	U3G037.5
0	599	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G02M	UGE3G03S	U2G037.5
0	600	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	UGE3G03M	U2G037.5
0	601	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	UGE3G03M	U2G027.5
0	602	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	GE3G02M	U3G037.5
0	603	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	UGE3G03M	U3G027.5

0	604	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G02TSM	U3G03TSM
0	605	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G027.5	U3G03TSM
0	606	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G037.5	U3G03TSM
0	607	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G027.5	U3G03TSM
0	608	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G02TSM	U3G03TSM
0	609	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G037.5	U3G02TSM
0	610	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G03TSM	U3G02TSM
0	611	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U2G03TSM	U3G03TSM
0	612	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G03TSM	U3G037.5
0	613	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G03TSM	U3G027.5
0	614	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G02TSM	U3G037.5
0	615	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G02TSM	U3G037.5
0	616	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	UGE3G3SD	U2G02TSM
0	617	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	UGE3G2SD	U2G03TSM
0	618	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M
0	619	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M
0	620	LMV4716P	LOOP	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM
0	621	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE3G3SD	UG2G03M	
0	622	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE3G02M	UGE3G2SD	
0	623	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M	
0	624	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD	
0	625	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD	
0	626	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M	
0	627	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM
0	628	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM
0	629	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM
0	630	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM
0	631	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM
0	632	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM

0	633	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M			
0	634	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	UG2G03M			
0	35	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	636	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD		
0	637	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M		
0	638	LOOP	LPM0504M	LPT0140M	UCB0404N						
0	639	LOOP	LPM0141M	LPM0504S	LPT0140M						
0	640	LOOP	LPM0141M	LPT0140M	UCB0603N						
0	641	LMV4716P	LOOP	LPM0141M	LPM0504M						
0	642	LOOP	LPM0141S	LPM0504M	LPT0140M						
0	643	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD	UOPLSHED			
0	644	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G02TSM	U3G02TSM	U3G03TSM		
0	645	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	U2G02TSM	U2G03TSM	U3G02TSM		
0	646	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G03TSM	U3G02TSM	U3G03TSM		
0	647	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G02TSM	U2G03TSM	U3G03TSM		
0	648	LFLOWDIV	LOOP								
0	649	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE3G03R	UG2G03M			
0	650	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M			
0	651	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R			
0	652	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M			
0	653	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G3SD
0	654	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S	UGE2G03S	UGE3G03S	UGE3G2SD
0	655	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G3SD	U2G0290M	U3G02TSM			
0	656	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G0390M			
0	657	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G0390M			
0	658	LOOP	LOPMDISC	NROSP90M	UGE3G03M	UGE3G2SD	U2G0290M	U2G03TSM			
0	659	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G0290M			
0	660	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	U2G0290M	U3G03TSM			
0	661	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G0290M			

0	662	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G3SD	U2G0290M	U2G03TSM		
0	663	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G3SD	U2G0390M	U3G02TSM		
0	664	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G3SD	U3G02TSM	U2G0390M		
0	665	LOOP	LOPMDISC	NROSP90M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G0390M		
0	666	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	U2G0390M	U3G03TSM		
0	667	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	UGE3G03M	U2G0290M		
0	668	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G03M	U3G0290M		
0	669	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	UGE3G02M	U3G0390M		
0	670	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	UGE3G03M	U2G0390M		
0	671	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G03M	UGE3G02S	UGE3G03S	U2G02TSM
0	672	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	UGE3G03S	U3G02TSM
0	673	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	UGE3G02S	U3G03TSM
0	674	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G02M	U3G03TSM
0	675	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE3G02S	UGE3G03S	U2G03TSM
0	676	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	UGE3G03M	U2G02TSM
0	677	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G03M	U3G02TSM
0	678	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	UGE3G03M	U2G03TSM
0	679	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G02M	UGE3G03S	U2G02TSM
0	680	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G02M	UGE3G03S	U2G03TSM
0	681	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	UGE3G03S	U3G02TSM
0	682	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	UGE3G02S	U3G03TSM
0	683	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G02TSM	U3G03TSM	
0	684	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G02TSM	U3G03TSM	
0	685	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G03TSM	U3G02TSM	
0	686	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G03TSM	U3G03TSM	
0	687	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G03R	UGE3G2SD	UG2G03M
0	688	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G3SD	UG2G03M
0	689	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S	UGE3G2SD	UG2G03M
0	690	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G3SD	UG2G03M

0	691	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD			
0	692	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD			
0	693	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UFTAX4.0	UGE2G02S	UGE2G03S	
0	694	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M		
0	695	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3GG2M	UGE3G03R	UG2G03M		
0	696	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M		
0	697	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M		
0	698	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	699	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M		
0	700	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G02S	UGE3G03M	U2G02TSM
0	701	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G02S	UGE3G03M	U2G03TSM
0	702	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G03M	U3G02TSM
0	703	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G02M	U3G03TSM
0	704	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	UGE3G02S	U3G03TSM
0	705	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	UGE3G03S	U3G02TSM
0	706	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G02M	UGE3G03S	U2G02TSM
0	707	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G03M	UGE3G02S	UGE3G03S	U2G02TSM
0	708	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	UGE3G03S	U3G02TSM
0	709	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G02M	UGE3G03S	U2G03TSM
0	710	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	UGE3G02S	U3G03TSM
0	711	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G02M	UGE3G02S	UGE3G03S	U2G03TSM
0	712	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M			
0	713	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M			
0	714	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD			
0	715	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD			
0	716	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	U2G037.5		
0	717	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G03S	U2G027.5		
0	718	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G0290M	
0	719	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G0390M	

0	720	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	UGE3G3SD	U2G034.0
0	721	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G3SD	U3G024.0
0	722	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	UGE3G3SD	U2G024.0
0	723	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	UGE3G2SD	U2G034.0
0	724	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G2SD	U3G034.0
0	725	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	UGE3G2SD	U2G024.0
0	726	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	UGE3G3SD	U2G024.0
0	727	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	UGE3G3SD	U2G034.0
0	728	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	UGE3G2SD	U2G034.0
0	729	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	UGE3G2SD	U2G024.0
0	730	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G2SD	U3G034.0
0	731	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G3SD	U3G024.0
0	732	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M	
0	733	LOOP	LPT0140M	UCB0404N	UCB0603N				
0	734	LMV4716P	LOOP	LPM0504M	UCB0404N				
0	735	LOOP	LPM0141S	LPM0504S	LPT0140M				
0	736	LOOP	LPM0504S	LPT0140M	UCB0404N				
0	737	LMV4716P	LOOP	LPM0141M	LPM0504S				
0	738	LMV4716P	LOOP	LPM0141S	LPM0504M				
0	739	LMV4716P	LOOP	LPM0141M	UCB0603N				
0	740	LOOP	LPM0141S	LPT0140M	UCB0603N				
0	741	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U2G03TSM	U3G02TSM	
0	742	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U2G03TSM	U3G03TSM	
0	743	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G034.0	U3G03TSM	
0	744	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G034.0	U3G02TSM	
0	745	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G03TSM	U3G024.0	
0	746	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G03TSM	U3G034.0	
0	747	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	U2G024.0	U3G02TSM	
0	748	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	U2G034.0	U3G03TSM	

0	749	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	U2G02TSM	U3G024.0			
0	750	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	U3G024.0	U3G03TSM			
0	751	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G03M	U2G02TSM	U2G034.0			
0	752	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	U2G024.0	U3G03TSM			
0	753	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	U2G034.0	U3G02TSM			
0	754	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	U2G03TSM	U3G024.0			
0	755	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	U2G03TSM	U3G034.0			
0	756	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G03M	U2G024.0	U2G03TSM			
0	757	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	U2G02TSM	U3G034.0			
0	758	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	U3G02TSM	U3G034.0			
0	759	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G3SD
0	760	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S	UGE2G03S	UGE3G03S	UGE3G2SD
0	761	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	UGE3G3SD	U2G02TSM			
0	762	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	UGE3G2SD	U2G03TSM			
0	763	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	764	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	765	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03R	UG2G03M		
0	766	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G037.5	U3G03TSM			
0	767	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G037.5	U3G02TSM			
0	768	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G03TSM	U3G037.5			
0	769	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G03TSM	U3G027.5			
0	770	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G02TSM	U2G037.5	U3G027.5			
0	771	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G037.5	U3G037.5			
0	772	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM		
0	773	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM		
0	774	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM		
0	775	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM		
0	776	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM		
0	777	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM		

0	778	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	UGE3G03M	U2G027.5	U2G037.5		
0	779	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G02M	U2G037.5	U3G037.5		
0	780	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE3G03M	U2G037.5	U3G027.5		
0	781	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G03M	U2G027.5	U3G027.5		
0	782	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	UGE3G02M	U2G027.5	U3G037.5		
0	783	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	UGE2G03M	U3G027.5	U3G037.5		
0	784	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R		
0	785	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE3G03R	UG2G03M		
0	786	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M		
0	787	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M		
0	788	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M		
0	789	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE3G03R	UG2G03M		
0	790	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M		
0	791	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R		
0	792	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	
0	793	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	
0	794	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM
0	795	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM
0	796	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM
0	797	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM
0	798	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM
0	799	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM
0	800	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM
0	801	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	802	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM
0	803	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM
0	804	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM
0	805	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM
0	806	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE3G02M	UGE3G03S	UG2G03M

0	807	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M
0	808	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S
0	809	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	UG2G03M
0	810	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M
0	811	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03M	UG2G03M
0	812	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M
0	813	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM		
0	814	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM		
0	815	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM		
0	816	LOOP	LPT0140M	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM		
0	817	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM		
0	818	LOOP	LPT0140M	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM		
0	819	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M			
0	820	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE3G03M	UG2G03M			
0	821	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM		
0	822	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM		
0	823	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM		
0	824	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM		
0	825	LOOP	LOPMDISC	NROSP90M	UFTAX9GM	UGE2G02M	UGE3G02M	U2G03TSM		
0	826	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	UGE3G03M	U2G02TSM		
0	827	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD			
0	828	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD			
0	829	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD			
0	830	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD			
0	831	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD			
0	832	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD			
0	833	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	834	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	835	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03R	UG2G03M		

0	836	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M			
0	837	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M			
0	838	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M			
0	839	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M			
0	840	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD			
0	841	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD			
0	842	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	843	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	844	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	845	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	UG2G03M		
0	846	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S	UGE3G2SD	UG2G03M		
0	847	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	UG2G03M		
0	848	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G3SD	UG2G03M		
0	849	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD		
0	850	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD		
0	851	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD		
0	852	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD		
0	853	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD		
0	854	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD		
0	855	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S	UGE2G03S	UGE3G03S	UGE3G2SD
0	856	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G3SD
0	857	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	UGE3G03M	U2G03TSM	
0	858	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	UGE3G03M	U2G02TSM	
0	859	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G03M	U3G02TSM	
0	860	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G02M	U3G03TSM	
0	861	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G02M	UGE3G03S	U3G03TSM	
0	862	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	UGE3G03S	U3G02TSM	
0	863	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G02M	UGE3G03S	U2G02TSM	
0	864	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	UGE3G02S	U3G03TSM	

0	865	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	UGE3G03S	U3G02TSM
0	866	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G03M	UGE3G02S	UGE3G03S	U2G02TSM
0	867	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	UGE3G02S	U3G03TSM
0	868	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE3G02S	UGE3G03S	U2G03TSM
0	869	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	870	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	871	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	872	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	873	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G02M	UGE2G03S	UGE3G2SD	
0	874	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	UGE2G03M	UGE3G3SD	
0	875	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M		
0	876	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M		
0	877	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	878	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	879	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	880	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	881	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G02TSM	U2G03TSM	U3G02TSM	
0	882	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G03TSM	U3G02TSM	U3G03TSM	
0	883	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G02TSM	U3G02TSM	U3G03TSM	
0	884	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G02TSM	U2G03TSM	U3G03TSM	
0	885	LMV4716P	LOOP	UCB0404N	UCB0603N					
0	886	LMV4716P	LOOP	LPM0141S	UCB0603N					
0	887	LMV4716P	LOOP	LPM0141S	LPM0504S					
0	888	LMV4716P	LOOP	LPM0504S	UCB0404N					
0	889	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03R		
0	890	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R		
0	891	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G2SD	U3G037.5
0	892	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	UGE3G3SD	U2G037.5
0	893	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	UGE3G3SD	U2G027.5

0	894	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	UGE3G2SD	U2G027.5
0	895	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G3SD	U3G027.5
0	896	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	UGE3G2SD	U2G037.5
0	897	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G027.5	U3G02TSM	
0	898	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G027.5	U2G03TSM	
0	899	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G037.5	U3G02TSM	
0	900	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G027.5	U3G03TSM	
0	901	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G027.5	U3G03TSM	
0	902	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G037.5	U3G03TSM	
0	903	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G037.5	U3G02TSM	
0	904	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G027.5	U2G03TSM	
0	905	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G027.5	U3G03TSM	
0	906	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G027.5	U3G03TSM	
0	907	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G037.5	U3G03TSM	
0	908	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G027.5	U3G02TSM	
0	909	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G02TSM	U3G037.5	
0	910	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G02TSM	U2G037.5	
0	911	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G03TSM	U3G027.5	
0	912	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G02TSM	U3G027.5	
0	913	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G02TSM	U3G037.5	
0	914	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G02TSM	U2G037.5	
0	915	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G02TSM	U3G037.5	
0	916	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G02TSM	U3G027.5	
0	917	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G03TSM	U3G037.5	
0	918	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G02TSM	U3G037.5	
0	919	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G03TSM	U3G027.5	
0	920	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G03TSM	U3G037.5	
0	921	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G02TSM	U3G03TSM		
0	922	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G02TSM	U3G03TSM		

0	923	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G03TSM	U3G027.5	U3G03TSM	
0	924	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G03TSM	U3G02TSM	U3G037.5	
0	925	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	UGE3G3SD
0	926	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	UGE3G2SD
0	927	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
0	928	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
0	929	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD
0	930	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD
0	931	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	UGE3G02M	U2G03TSM	
0	932	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	UGE3G03M	U2G02TSM	
0	933	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03M	UG2G03M	
0	934	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03R	UG2G03M	
0	935	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03R	UG2G03M	
0	936	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	937	LMV4716P	LOOP	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	938	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	939	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	940	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	941	LMV4716P	LOOP	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	942	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G024.0	U2G03TSM		
0	943	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G02TSM	U2G034.0		
0	944	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M		
0	945	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE3G03M	UG2G03M		
0	946	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE3G03M	UG2G03M		
0	947	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M		
0	948	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE3G03M	UG2G03M		
0	949	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M		
0	950	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	951	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	

0	952	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	953	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	954	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD		
0	955	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD		
0	956	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD		
0	957	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD		
0	958	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	U2G02TSM	U2G03TSM	
0	959	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G027.5	U2G037.5		
0	960	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM
0	961	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM
0	962	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	963	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	964	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	UG2G03M
0	965	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	UG2G03M
0	966	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD
0	967	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD
0	968	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	969	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	970	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G3SD	UG2G03M
0	971	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S	UGE3G2SD	UG2G03M
0	972	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	UGE3G3SD	U2G024.0	U2G034.0	
0	973	LOOP	NROSP3.0	UGE2G03M	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G02TSM	
0	974	LOOP	NROSP3.0	UGE2G02M	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G03TSM	
0	975	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD	UOPLSHED	
0	976	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD	UOPLSHED	
0	977	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R	
0	978	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03R	
0	979	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R	
0	980	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R	

0	981	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03S
0	982	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G03M
0	983	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03S
0	984	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03S
0	985	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G0290M	U2G03TSM	U3G03TSM			
0	986	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G0290M			
0	987	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G02TSM	U2G0390M	U3G03TSM			
0	988	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G0290M	U2G03TSM	U3G02TSM			
0	989	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G02TSM	U2G0390M	U3G02TSM			
0	990	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G0390M			
0	991	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD	ZCSEALOP		
0	992	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	U3G02TSM	U3G0390M			
0	993	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G03M	U2G0290M	U3G02TSM			
0	994	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G03M	U2G0290M	U2G03TSM			
0	995	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	U2G0290M	U3G03TSM			
0	996	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G03M	U2G02TSM	U2G0390M			
0	997	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	U2G03TSM	U3G0390M			
0	998	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G03M	U2G02TSM	U3G0290M			
0	999	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G03M	U2G0390M	U3G02TSM			
0	1000	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G02M	U2G0390M	U3G03TSM			
0	1001	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD			
0	1002	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G03M	U2G03TSM	U3G0290M			
0	1003	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE2G03M	U3GG290M	U3G03TSM			
0	1004	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G02M	U2G02TSM	U3G0390M			
0	1005	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD			
0	1006	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	UG2G03M			
0	1007	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	UGE3G03S	U2G02TSM	U2G03TSM	
0	1008	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	U2G03TSM	U3G02TSM	
0	1009	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	U2G02TSM	U3G02TSM	

0	1010	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	U2G02TSM	U3G03TSM
0	1011	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	U3G02TSM	U3G03TSM
0	1012	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	U2G03TSM	U3G03TSM
0	1013	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02R	UGE3G02M	UGE3G03S	UG2G03M
0	1014	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R	UGE3G03S	UG2G03M
0	1015	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03M	UG2G03M
0	1016	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03R	UG2G03M
0	1017	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03M	UG2G03M
0	1018	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03R	UG2G03M
0	1019	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M			
0	1020	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M			
0	1021	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE3G03R	UG2G03M			
0	1022	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R			
0	1023	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03R	UG2G03M		
0	1024	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03R	UG2G03M		
0	1025	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03M	UG2G03M		
0	1026	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M		
0	1027	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M		
0	1028	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M		
0	1029	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M		
0	1030	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G02S	U2G02TSM	U3G03TSM
0	1031	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G02S	U2G03TSM	U3G03TSM
0	1032	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	U3G02TSM	U3G03TSM
0	1033	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G03S	U2G02TSM	U3G02TSM
0	1034	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE3G02S	UGE3G03S	U2G02TSM	U2G03TSM
0	1035	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G03S	U2G03TSM	U3G02TSM
0	1036	LOOP	LTKCONDH							
0	1037	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M			
0	1038	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE3G03M	UG2G03M			

0	1039	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE3G03M	UG2G03M		
0	1040	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M		
0	1041	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G03R	UGE3G2SD	UG2G03M
0	1042	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G3SD	UG2G03M
0	1043	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G3SD	UG2G03M
0	1044	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S	UGE3G2SD	UG2G03M
0	1045	LOOP	LPM0141M	LPM0504R	LPT0140S	LPT0140Y			
0	1046	LOOP	LPM0141R	LPM0504M	LPT0140S	LPT0140Y			
0	1047	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G0390M
0	1048	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G0290M
0	1049	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G0390M
0	1050	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G0390M
0	1051	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G0390M
0	1052	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G0290M
0	1053	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G0290M
0	1054	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G0290M
0	1055	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G0390M
0	1056	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G0290M
0	1057	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G0290M
0	1058	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G0290M
0	1059	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G024.0	U2G03TSM
0	1060	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G024.0	U2G03TSM
0	1061	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G024.0	U3G02TSM
0	1062	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G034.0	U3G03TSM
0	1063	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G024.0	U3G03TSM
0	1064	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G034.0	U3G02TSM
0	1065	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G02TSM	U3G034.0
0	1066	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G02TSM	U2G034.0
0	1067	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G03TSM	U3G024.0

0	1068	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G02TSM	U2G034.0
0	1069	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G02TSM	U3G024.0
0	1070	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G03TSM	U3G034.0
0	1071	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE2G03M	UGE3G03S	U3G024.0
0	1072	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE2G03M	UGE3G02S	U3G034.0
0	1073	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G02M	UGE3G03S	U2G024.0
0	1074	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G02M	UGE3G03S	U2G034.0
0	1075	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	UGE3G03M	U2G034.0
0	1076	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G02M	U3G034.0
0	1077	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	UGE3G03M	U3G024.0
0	1078	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	UGE3G03M	U2G024.0
0	1079	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G02M	U3G034.0
0	1080	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	UGE3G03M	U2G034.0
0	1081	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	UGE3G03M	U3G024.0
0	1082	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	UGE3G03M	U2G024.0
0	1083	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M	
0	1084	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M	
0	1085	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M	
0	1086	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M	
0	1087	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G02M	UGE2G03S	UGE3G2SD
0	1088	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	UGE2G03M	UGE3G3SD
0	1089	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U2G03TSM	U3G03TSM	
0	1090	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0	U3G02TSM	U3G03TSM	
0	1091	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U2G03TSM	U3G02TSM	
0	1092	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0	U3G02TSM	U3G03TSM	
0	1093	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G03TSM	U3G024.0	
0	1094	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G02TSM	U3G034.0	
0	1095	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G03TSM	U3G034.0	
0	1096	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G02TSM	U3G034.0	

0	1097	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G024.0	U3G03TSM			
0	1098	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G034.0	U3G03TSM			
0	1099	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G024.0	U3G03TSM			
0	1100	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G034.0	U3G02TSM			
0	1101	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03S
0	1102	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	NR3D390M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03S
0	1103	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G03M
0	1104	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	NR3D390M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03S
0	1105	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	UGE3G03M	U2G02TSM			
0	1106	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	UGE3G02M	U2G03TSM			
0	1107	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G027.5	U3G037.5		
	1108	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G027.5	U3G027.5		
0	1109	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G027.5	U2G037.5		
0	1110	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G037.5	U3G037.5		
0	1111	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G037.5	U3G027.5		
0	1112	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G027.5	U2G037.5		
0	1113	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	1114	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	1115	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	1116	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	1117	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G037.5	U3G027.5			
0	1118	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G02TSM	U3G037.5			
0	1119	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G03TSM	U3G027.5			
0	1120	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G027.5	U3G037.5			
0	1121	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G027.5	U3G037.5			
0	1122	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U2G03TSM	U3G037.5			
0	1123	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G037.5	U3G037.5			
0	1124	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G02TSM	U3G037.5			
0	1125	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G027.5	U3G03TSM			

0	1126	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U2G037.5	U3G03TSM		
0	1127	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G037.5	U3G02TSM		
0	1128	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G027.5	U3G03TSM		
0	1129	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	UGE3G2SD	U2G037.5		
0	1130	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	UGE3G3SD	U2G027.5		
0	1131	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M
0	1132	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
0	1133	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM
0	1134	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
0	1135	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM
0	1136	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
0	1137	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
0	1138	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE3G03S	UG2G03M	
0	1139	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	
0	1140	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	
0	1141	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	
0	1142	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM
0	1143	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM
0	1144	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM
0	1145	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM
0	1146	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM
0	1147	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM
0	1148	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM
0	1149	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM
0	1150	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM
0	1151	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM
0	1152	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM
0	1153	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM
0	1154	LOOP	LPT0140M	NROSP51M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		

0	1155	LOOP	LPT0140M	NROSP51M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM
0	1156	LOOP	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03R	UG2G03M
0	1157	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM
0	1158	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G03M	U2GC2TSM	U3G02TSM
0	1159	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM
0	1160	LOOP	LPT0140M	NROSP51M	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM
0	1161	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM
0	1162	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM
0	1163	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	U2G03TSM	U3G02TSM
0	1164	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	U2G02TSM	U3G03TSM
0	1165	CRV00030	LOOP	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM
0	1166	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M	
0	1167	LOOP	LPM0241S	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M	
0	1168	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE3G03R	UG2G03M	
0	1169	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M	
0	1170	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02P	UGE3G02M	
0	1171	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M	
0	1172	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE3G03R	UG2G03M	
0	1173	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M	
0	1174	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE3G03R	UG2G03M	
0	1175	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R	
0	1176	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R	
0	1177	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R	
0	1178	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD	
0	1179	CRV00030	LOOP	LPM0141M	NROSP51M	UGE3G3SD	UG2G03M	
0	1180	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM
0	1181	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM
0	1182	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM
0	1183	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM

0	1184	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM			
0	1185	CRV00330	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM			
0	1186	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M			
0	1187	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	UG2G03M			
0	1188	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	1189	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	1190	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	1191	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	1192	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	1193	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	1194	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03S	UGE3G2SD	UG2G03M
0	1195	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD			
0	1196	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD			
0	1197	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM		
0	1198	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM		
0	1199	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM		
0	1200	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM		
0	1201	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM		
0	1202	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM		
0	1203	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM		
0	1204	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM		
0	1205	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM		
0	1206	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM		
0	1207	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM		
0	1208	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM		
0	1209	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M		
0	1210	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S		
0	1211	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE3G02M	UGE3G03S	UG2G03M		
0	1212	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	UG2G03M		

0	1213	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03M	UG2G03M		
0	1214	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M		
0	1215	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M		
0	1216	LOOP	LOPMDISC	NROSP90M	UFTAX90M	U2G0290M	U2G03TSM				
0	1217	LOOP	LOPMDISC	NROSP90M	UFTAX90M	U2G02TSM	U2G0390M				
0	1218	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S	UGE3G2SD	UG2G03M		
0	1219	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02R	UGE3GU2S	UGE3G3SD	UG2G03M		
0	1220	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G3SD	UG2G03M		
0	1221	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03R	UGE3G2SD	UG2G03M		
0	1222	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M		
0	1223	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	1224	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD		
0	1225	LOOP	LPM0141S	LPM0504R	LPT0140S	LPT0140Y					
0	1226	LOOP	LPM0141R	LPM0504S	LPT0140S	LPT0140Y					
0	1227	LOOP	LPM0141R	LPT0140S	LPT0140Y	UCB0603N					
0	1228	LOOP	LPM0504R	LPT0140S	LPT0140Y	UCB0404N					
0	1229	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G03M
0	1230	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03S
0	1231	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	NR3D34.0	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03S
0	1232	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03S
0	1233	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD	
0	1234	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	U3G02TSM	U3G03TSM	
0	1235	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	U2G03TSM	U3G03TSM	
0	1236	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE3G02S	UGE3G03S	U2G02TSM	U2G03TSM	
0	1237	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G03S	U2G03TSM	U3G02TSM	
0	1238	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	U2G02TSM	U3G03TSM	
0	1239	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G03S	U2G02TSM	U3G02TSM	
0	1240	CRV0003O	LOOP	LPM0141M	LPM0504M						
0	1241	LOOP	NROSP51M	SEALFAIL	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM			

0	1242	LOOP	LOPORFIL	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM		
0	1243	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE3G3SD	UG2G03M			
0	1244	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02M	UGE3G2SD			
0	1245	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM		
0	1246	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM		
0	1247	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM		
0	1248	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM		
0	1249	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM		
0	1250	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM		
0	1251	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM		
0	1252	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM		
0	1253	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM		
0	1254	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM		
0	1255	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM		
0	1256	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM		
0	1257	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G02M	UGE2G03S	UGE3G02M	
0	1258	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	UGE2G03M	UGE3G03M	
0	1259	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	UG2G03M		
0	1260	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M		
0	1261	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M		
0	1262	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G03M	UGE3G02S	UGE3G03S	U2G027.5
0	1263	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	UGE3G02S	U3G037.5
0	1264	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	UGE3G03S	U3G027.5
0	1265	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE3G02S	UGE3G03S	U2G037.5
0	1266	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	UGE3G03M	U2G037.5
0	1267	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G02M	U3G037.5
0	1268	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	UGE3G03M	U3G027.5
0	1269	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	UGE3G03M	U2G027.5
0	1270	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G02M	UGE3G03S	U2G027.5

0	1271	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	UGE3G02S	U3G037.5
0	1272	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	UGE3G03S	U3G027.5
0	1273	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G02M	UGE3G03S	U2G037.5
0	1274	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M	
0	1275	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	
0	1276	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	
0	1277	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	
0	1278	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	
0	1279	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G027.5	U3G03TSM	
0	1280	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G03TSM	U3G037.5	
0	1281	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G037.5	U3G03TSM	
0	1282	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G02TSM	U3G037.5	
0	1283	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G037.5	U3G02TSM	
0	1284	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G037.5	U3G03TSM	
0	1285	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G027.5	U3G037.5	
0	1286	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G03TSM	U3G027.5	
0	1287	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	U3G02TSM	U3G03TSM	
0	1288	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U2G03TSM	U3G02TSM	
0	1289	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U2G03TSM	U3G03TSM	
0	1290	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	U3G02TSM	U3G03TSM	
0	1291	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G3SD		
0	1292	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD		
0	1293	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	UGE3G03M	
0	1294	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	UGE3G02M	
0	1295	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02R	UGE3G03S	UG2G03M
0	1296	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03R	UG2G03M
0	1297	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03R	UG2G03M
0	1298	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G02TSM	U3G03TSM		
0	1299	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G03TSM	U3G02TSM		

0	1300	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
0	1301	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
0	1302	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE3G03S	UG2G03M
0	1303	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE3G03S	UG2G03M
0	1304	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
0	1305	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M
0	1306	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M
0	1307	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S
0	1308	LOOP	LOPORFIL	LPM0141M	LPM0504M				
0	1309	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	U2G034.0	
0	1310	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G03S	U2G024.0	
0	1311	LOOP	LPM0504M	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R		
0	1312	LOOP	LPM0141M	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R		
0	1313	LMV4716P	LOOP	NROSP51M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM	
0	1314	LMV4716P	LOOP	NROSP51M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM	
0	1315	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M	
0	1316	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M	
0	1317	LMV4716P	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03R	UG2G03M	
0	1318	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM	
0	1319	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM	
0	1320	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM	
0	1321	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM	
0	1322	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM	
0	1323	LMV4716P	LOOP	NROSP51M	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM	
0	1324	CRV00030	LOOP	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M		
0	1325	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M		
0	1326	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE3G03R	UG2G03M		
0	1327	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R		
0	1328	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE3G03R	UG2G03M		

0	1329	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M		
0	1330	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M		
0	1331	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M		
0	1332	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R		
0	1333	CRV00030	LOOP	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M		
0	1334	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD		
0	1335	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD		
0	1336	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G2SD	UGE3G3SD	UG2G03M
0	1337	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G2SD	UGE3G3SD
0	1338	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	
0	1339	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	
0	1340	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD	
0	1341	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	
0	1342	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD	
0	1343	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	
0	1344	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM
0	1345	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM
0	1346	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM
0	1347	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM
0	1348	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM
0	1349	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM
0	1350	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	1351	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM
0	1352	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM
0	1353	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM
0	1354	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM
0	1355	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM
0	1356	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S
0	1357	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G02M	UGE3G03S	UG2G03M

0	1358	LMV4716P	LOOP	NROSP51M	NR3D*51M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	
0	1359	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	UG2G03M	
0	1360	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M	
0	1361	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M	
0	1362	LMV4716?	LOOP	NROSP51M	NR2D2?M	UGE2G02M	UGE3G02S	UGE3G03M	UG2G03M	
0	1363	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UFTAX51M	UGE2G03S	U2G02TSM	
0	1364	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	U2G03TSM	
0	1365	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	UOPLSHED	
0	1366	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	UOPLSHED	
0	1367	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	UGE3G2SD	U2G024.0	U2G034.0		
0	1368	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G3SD	U2G024.0	U2G034.0		
0	1369	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G3SD	U2G024.0	U3G024.0		
0	1370	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G3SD	U2G034.0	U3G024.0		
0	1371	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G2SD	U2G034.0	U3G034.0		
0	1372	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G2SD	U2G024.0	U3G034.0		
0	1373	LOOP	LPT0140M	NROSP51M	UFTAX51M	U2G02TSM	U2G03TSM			
0	1374	LOOP	NROSP3.0	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G02TSM	U2G03TSM		
0	1375	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	1376	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M		
0	1377	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M		
0	1378	LOOP	NROSP3.0	UGE2G02M	UGE3G02M	UGE3G3SD	UOPLSHED	U2G03TSM		
0	1379	LOOP	NROSP3.0	UGE2G03M	UGE3G03M	UGE3G2SD	UOPLSHED	U2G02TSM		
0	1380	LOOP	NROSP3.0	UGE2G02M	UGE3G03M	UGE3G2SD	UOPLSHED	U2G03TSM		
0	1381	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G2SD	UOPLSHED	U3G03TSM		
0	1382	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G3SD	UOPLSHED	U3G02TSM		
0	1383	LOOP	NROSP3.0	UGE2G03M	UGE3G02M	UGE3G3SD	UOPLSHED	U2G02TSM		
0	1384	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G037.5	U3G037.5		
0	1385	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G037.5	U3G027.5		
0	1386	CRV00030	LOOP	LPM0141M	UCB0603N					

0	1387	CRV00030	LOOP	LPM0141M	LPM0504S						
0	1388	CRV00030	LOOP	LPM0504M	UCB0404N						
0	1389	CRV00030	LOOP	LPM0141S	LPM0504M						
0	1390	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M	UOPLSHED			
0	1391	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD				
0	1392	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE3G3SD	UG2G03M				
0	1393	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M				
0	1394	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M	UGE3G2SD				
0	1395	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD			
0	1396	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M			
0	1397	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S	UGE2G03S	UGE3G02S	U3G03TSM
0	1398	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G03S	UGE3G02S	UGE3G03S	U2G02TSM
0	1399	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S	UGE3G02S	UGE3G03S	U2G03TSM
0	1400	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S	UGE2G03S	UGE3G03S	U3G02TSM
0	1401	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM	ZCSEALOP		
0	1402	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM	ZCSEALOP		
0	1403	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM			
0	1404	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G02TSM	U2G0390M	U3G02TSM			
0	1405	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G0290M	U3G02TSM	U3G03TSM			
0	1406	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G0290M	U2G03TSM	U3G03TSM			
0	1407	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G03TSM	U3G0290M	U3G03TSM			
0	1408	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G0290M	U2G03TSM	U3G02TSM			
0	1409	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G02TSM	U2G03TSM	U3G0390M			
0	1410	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G03TSM	U3G02TSM	U3G0390M			
0	1411	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G02TSM	U2G03TSM	U3G0290M			
0	1412	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G02TSM	U3G0290M	U3G03TSM			
0	1413	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G02TSM	U3G02TSM	U3G0390M			
0	1414	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM			
0	1415	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G0390M	U3G02TSM	U3G03TSM			

0	1416	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G02TSM	U2G0390M	U3G03TSM	
0	1417	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD	ZCSEALOP
0	1418	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD	ZCSEALOP
0	1419	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD	
0	1420	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD	
0	1421	LOOP	LOPMDISC	NROSP90M	UFTACBN	UGE2G02M	UGE2G03M		
0	1422	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	
0	1423	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UG2G03M	
0	1424	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S
0	1425	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S
0	1426	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R
0	1427	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R
0	1428	LOOP	LOPORFIL	LPM0504M	UCB0404N				
0	1429	LOOP	LOPORFIL	LPM0141M	LPM0504S				
0	1430	LOOP	LOPORFIL	LPM0141M	UCB0603N				
0	1431	LOOP	LOPORFIL	LPM0141S	LPM0504M				
0	1432	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R		
0	1433	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R		
0	1434	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R		
0	1435	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R		
0	1436	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02R		
0	1437	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03R		
0	1438	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD		
0	1439	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD		
0	1440	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03R	UG2G03M	
0	1441	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M	
0	1442	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M	
0	1443	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD		
0	1444	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE3G3SD	UG2G03M		

0	1445	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03M	UG2G03M
0	1446	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03M	UG2G03M
0	1447	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R	UGE3G03S	UG2G03M
0	1448	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02R	UGE3G02M	UGE3G03S	UG2G03M
0	1449	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03R	UG2G03M
0	1450	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03R	UG2G03M
0	1451	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G0290M
0	1452	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G0390M
0	1453	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G0290M
0	1454	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G0390M	U3G03TSM
0	1455	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G0390M
0	1456	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G0390M
0	1457	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G0390M	U3G02TSM
0	1458	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03S	UGE3G3SD	U2G0290M	U3G02TSM
0	1459	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G0390M
0	1460	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G3SD	U2G0290M	U2G03TSM
0	1461	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G0290M	U3G03TSM
0	1462	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	UGE3G2SD	U2G0290M	U2G03TSM
0	1463	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	UGE3G03M	U2G0390M
0	1464	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	UGE3G03M	U2G0390M
0	1465	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G03M	U3G0390M
0	1466	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	UGE3G03M	U3G0290M
0	1467	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE2G02S	UGE3G03M	U2G0290M
0	1468	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	UGE3G03M	U2G0290M
0	1469	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE3G02S	UGE3G02M	U3G0390M
0	1470	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	UGE3G03M	U3G0290M
0	1471	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G02M	UGE3G03S	U2G0290M
0	1472	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE2G03M	UGE3G03S	U3G0290M
0	1473	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE2G03M	UGE3G02S	U3G0390M

0	1474	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G02M	UGE3G03S	U2G0390M	
0	1475	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD		
0	1476	LMV4716P	LOOP	LPM0341S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD		
0	1477	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD		
0	1478	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD		
0	1479	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G3SD	U3G024.0
0	1480	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G2SD	U3G034.0
0	1481	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G03S	UGE3G2SD	U2G024.0
0	1482	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	UGE3G3SD	U2G034.0
0	1483	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	UGE3G3SD	U2G024.0
0	1484	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G03S	UGE3G2SD	U2G034.0
0	1485	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G024.0	U2G03TSM	
0	1486	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G02TSM	U3G034.0	
0	1487	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G02TSM	U3G034.0	
0	1488	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G03TSM	U3G034.0	
0	1489	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G02TSM	U2G034.0	
0	1490	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G024.0	U3G03TSM	
0	1491	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G034.0	U3G03TSM	
0	1492	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G03TSM	U3G024.0	
0	1493	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G02TSM	U3G024.0	
0	1494	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G02TSM	U3G024.0	
0	1495	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G02TSM	U3G034.0	
0	1496	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G03TSM	U3G024.0	
0	1497	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G03TSM	U3G034.0	
0	1498	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G024.0	U3G02TSM	
0	1499	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G024.0	U3G02TSM	
0	1500	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G034.0	U3G02TSM	
0	1501	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G02TSM	U3G034.0	
0	1502	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G02TSM	U2G034.0	

0	1503	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G024.0	U3G02TSM		
0	1504	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G034.0	U3G02TSM		
0	1505	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G024.0	U2G03TSM		
0	1506	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G024.0	U3G03TSM		
0	1507	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G024.0	U3G03TSM		
0	1508	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G034.0	U3G03TSM		
0	1509	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD				
0	1510	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD				
0	1511	LMV4716P	LOOP	NROSP51M	UFTAX51M	U2G02TSM	U2G03TSM				
0	1512	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M			
0	1513	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03R	UG2G03M			
0	1514	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M			
0	1515	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G02M	UGE2G03S	UGE3G02M		
0	1516	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	UGE2G03M	UGE3G03M		
0	1517	LCV0124P	LCV04 8P	LOOP							
0	1518	JIVTHIGH	LOOP	NROSP4.0	U2G024.0	U2G03TSM	U3G02TSM	U3G03TSM			
0	1519	JIVTHIGH	LOOP	NROSP4.0	U2G02TSM	U2G034.0	U3G02TSM	U3G03TSM			
0	1520	JIVTHIGH	LOOP	NROSP4.0	U2G02TSM	U2G03TSM	U3G02TSM	U3G034.0			
0	1521	JIVTHIGH	LOOP	NROSP4.0	U2G02TSM	U2G03TSM	U3G024.0	U3G03TSM			
0	1522	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S	UGE2G03S	UGE3G02S	U3G03TSM
0	1523	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	NR3D390M	UGE2G03S	UGE3G02S	UGE3G03S	U2G02TSM
0	1524	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S	UGE2G03S	UGE3G03S	U3G02TSM
0	1525	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	NR3D390M	UGE2G02S	UGE3G02S	UGE3G03S	U2G03TSM
0	1526	CRV0003O	LOOP	UCB0404N	UCB0603N						
0	1527	CRV0003O	LOOP	LPM0141S	UCB0603N						
0	1528	CRV0003O	LOOP	LPM0141S	LPM0504S						
0	1529	CRV0003O	LOOP	LPM0504S	UCB0404N						
0	1530	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	U2G03TSM	U3G02TSM			
0	1531	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	U2G02TSM	U3G03TSM			

0	1532	LOOP	LPM0141M	LPM0504R	LPT0140M					
0	1533	LOOP	LPM0141R	LPM0504M	LPT0140M					
0	1534	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G027.5	U3G037.5	
0	1535	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G037.5	U3G027.5	
0	1536	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G027.5	U3G037.5	
0	1537	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G027.5	U3G027.5	
0	1538	JIVTLOM	LOOP	NROSP7.5	NR3P37.5	UGE3G02M	UGE3G03S	U2G027.5	U2G037.5	
0	1539	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G037.5	U3G037.5	
0	1540	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G037.5	U3G037.5	
0	1541	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G027.5	U3G027.5	
0	1542	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G027.5	U3G037.5	
0	1543	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G037.5	U3G027.5	
0	1544	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G027.5	U2G037.5	
0	1545	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G027.5	U3G037.5	
0	1546	LOOP	LPT0140S	LPT0140Y	NROSP51M	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM	
0	1547	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G02TSM	U3G037.5		
0	1548	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G037.5	U3G02TSM	U3G03TSM		
0	1549	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G027.5	U3G03TSM		
0	1550	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G027.5	U3G03TSM		
0	1551	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G02TSM	U3G037.5		
0	1552	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G03TSM	U3G027.5	U3G037.5		
0	1553	JIVTLOM	LOOP	NROSP7.5	UFTACBN	UGE2G02M	UGE2G03M			
0	1554	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	UGE3G03M	U2G027.5		
0	1555	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	UGE3G02M	U2G037.5		
0	1556	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03M	UG2G03M
0	1557	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM
0	1558	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM
0	1559	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
0	1560	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM

0	1561	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
0	1562	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
0	1563	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM
0	1564	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
0	1565	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM
0	1566	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
0	1567	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
0	1568	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
0	1569	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S	
0	1570	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	
0	1571	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03R	UGE3G03S	
0	1572	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S	
0	1573	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R	
0	1574	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	
0	1575	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03R	
0	1576	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02R	
0	1577	LOOP	LPT0140M	NROSP51M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	1578	LOOP	LPT0140M	NROSP51M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	1579	LOOP	LPT0140M	NROSP51M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	1580	LOOP	LPT0140M	NROSP51M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	1581	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM		
0	1582	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM		
0	1583	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM		
0	1584	CRV00030	LOOP	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM		
0	1585	CRV00030	LOOP	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM		
0	1586	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM		
0	1587	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M			
0	1588	CRV00030	LOOP	LPM0141M	NROSP51M	UGE3G03M	UG2G03M			
0	1589	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM		

0	1590	CRV00030	LOOP	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM				
0	1591	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM				
0	1592	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM				
0	1593	LOOP	LOPORFIL	LPM0141S	LPM0504S							
0	1594	LOOP	LOPORFIL	UCB0404N	UCB0603N							
0	1595	LOOP	LOPORFIL	LPM0504S	UCB0404N							
0	1596	LOOP	LOPORFIL	LPM0141S	UCB0603N							
0	1597	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD					
0	1598	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD					
0	1599	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD					
0	1600	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD					
0	1601	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03S					
0	1602	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03R					
0	1603	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R					
0	1604	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02R					
0	1605	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02S	UGE3G3SD	U2G03TSM	
0	1606	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM	
0	1607	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G03S	UGE3G2SD	U2G03TSM	
0	1608	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM	
0	1609	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM	
0	1610	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM	
0	1611	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M			
0	1612	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S	
0	1613	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S	
0	1614	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02M	UGE3G02S	UGE3G03S	UG2G03M	
0	1615	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M	UGE3G03S	UG2G03M	
0	1616	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M	
0	1617	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M	
0	1618	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M	

0	1619	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S
0	1620	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G2SD	UGE3G3SD		
0	1621	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G2SD	UGE3G3SD		
0	1622	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G2SD				
0	1623	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE3G3SD	UG2G03M				
0	1624	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM		
0	1625	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM		
0	1626	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM		
0	1627	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM		
0	1628	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM		
0	1629	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM		
0	1630	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M			
0	1631	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M			
0	1632	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE3G03S	UG2G03M			
0	1633	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S			
0	1634	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM		
0	1635	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM		
0	1636	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM		
0	1637	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM		
0	1638	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM		
0	1639	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM		
0	1640	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM		
0	1641	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM		
0	1642	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM		
0	1643	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G02TSM		
0	1644	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM		
0	1645	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM		
0	1646	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	1647	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM		

0	1648	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	UG2G03M		
0	1649	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02R	UGE3G02M	UGE3G03S	UG2G03M		
0	1650	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R	UGE3G03S	UG2G03M		
0	1651	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	UG2G03M		
0	1652	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03M	UG2G03M		
0	1653	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD		
0	1654	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	UG[illegible]2SD		
0	1655	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03M	[illegible]03M		
0	1656	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD		
0	1657	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD		
0	1658	LMV4716P	LOOP	NROSP51M	NR [illegible]2S1M	UGE2G02S	UGE3G02M	UGE3G03R	UG2G03M		
0	1659	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G3SD	UG2G03M		
0	1660	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD		
0	1661	LMV4716P	LOOP	NROSP51M	NR2D[illegible]51M	UGE2G02M	UGE3G02S	UGE3G03R	UG2G03M		
0	1662	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S	UGE3G2SD	UG2G03M		
0	1663	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD		
0	1664	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S	UGE2G03S	UGE3G02S	U3G03TSM
0	1665	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S	UGE2G03S	UGE3G03S	U3G02TSM
0	1666	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	NR3D34.0	UGE2G02S	UGE3G02S	UGE3G03S	U2G03TSM
0	1667	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	NR3D34.0	UGE2G03S	UGE3G02S	UGE3G03S	U2G02TSM
0	1668	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G0351M		
0	1669	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G0251M		
0	1670	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03S	UGE3G2SD	UG2G03M	
0	1671	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD	
0	1672	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD	
0	1673	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD	
0	1674	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD	
0	1675	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD	
0	1676	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD	

0	1677	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	1678	LOOP	NROSP51M	SEALFAIL	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	1679	LOOP	LOPORFIL	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	1680	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	1681	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	1682	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	1683	LOOP	LOPORFIL	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	
0	1684	LOOP	NROSP51M	SEALFAIL	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	
0	1685	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM	
0	1686	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	
0	1687	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM	
0	1688	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	
0	1689	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G02M	UGE2G03S	U3G02TSM
0	1690	LOOP	LOPMDISC	NROSP90M	NR3D390M	UFTAX90M	UGE2G03M	UGE3G03S	U2G02TSM
0	1691	LOOP	LOPMDISC	NROSP90M	NR3D290M	UFTAX90M	UGE2G02M	UGE3G02S	U2G03TSM
0	1692	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	UGE2G03M	U3G03TSM
0	1693	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE3G03M	UG2G03M		
0	1694	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02M	UGE3G02M		
0	1695	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	
0	1696	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	1697	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	1698	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	1699	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	
0	1700	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	
0	1701	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	
0	1702	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	
0	1703	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD		
0	1704	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD		
0	1705	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD		

0	1706	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD			
0	1707	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02R	UGE3G3SD	UG2G03M	
0	1708	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	1709	LMV4716P	LOOP	LPMU141R	LPM0504M					
0	1710	LOOP	LPM0141S	LPM0504R	LPT0140M					
0	1711	LMV4716P	LOOP	LPM0141M	LPM0504R					
0	1712	LOOP	LPM0141R	LPM0504S	LPT0140M					
0	1713	LOOP	LPM0141R	LPT0140M	UCB0603N					
0	1714	LOOP	LPM0504R	LPT0140M	UCB0404N					
0	1715	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	U3G027SM	U3G037.5
0	1716	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	U2G02TSM	U3G037.5
0	1717	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	U2G02TSM	U3G027.5
0	1718	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	U2G03TSM	U3G037.5
0	1719	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	U2G03TSM	U3G027.5
0	1720	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	UGE3G03S	U2G02TSM	U2G037.5
0	1721	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	UGE3G03S	U2G027.5	U2G03TSM
0	1722	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	U2G037.5	U3G027SM
0	1723	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	U2G027.5	U3G03TSM
0	1724	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	U2G037.5	U3G03TSM
0	1725	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	U2G027.5	U3G02TSM
0	1726	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	U3G027.5	U3G03TSM
0	1727	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM	
0	1728	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM	
0	1729	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM	
0	1730	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM	
0	1731	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD	
0	1732	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD	
0	1733	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD	
0	1734	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD	

0	1735	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	1736	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G3SD	UG2G03M
0	1737	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	1738	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD
0	1739	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	UG2G03M
0	1740	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD
0	1741	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	UG2G03M
0	1742	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE3G03S	UGE3G2SD	UG2G03M
0	1743	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	1744	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	1745	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD
0	1746	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD
0	1747	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G03S	U2G0290M	
0	1748	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	U2G0390M	
0	1749	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R	
0	1750	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M	
0	1751	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE3G03R	UG2G03M	
0	1752	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M	
0	1753	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	U3G03TSM
0	1754	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UFTAX7.5	UGE2G03M	UGE3G03S	U2G02TSM
0	1755	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE3G02S	U2G03TSM
0	1756	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	U3G02TSM
0	1757	LMV4716P	LOOP	NROSP51M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM	
0	1758	LMV4716P	LOOP	NROSP51M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM	
0	1759	LMV4716P	LOOP	NROSP51M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM	
0	1760	LMV4716P	LOOP	NROSP51M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM	
0	1761	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03M	UG2G03M	
0	1762	CRV00030	LOOP	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03R	UG2G03M	
0	1763	CRV00030	LOOP	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03R	UG2G03M	

0	1764	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M		
0	1765	CRV00030	LOOP	LPM0141S	NROSP51M	UGE3G03M	UG2G03M		
0	1766	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M		
0	1767	CRV00030	LOOP	NROSP51M	UCB0404N	UGE3G03M	UG2G03M		
0	1768	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD		
0	1769	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD		
0	1770	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G03M	UGE3G2SD
0	1771	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02M	UGE3G3SD
0	1772	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M	UGE3G3SD	UG2G03M
0	1773	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G03M	UGE3G2SD	UG2G03M
0	1774	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M
0	1775	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03R	UG2G03M
0	1776	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02R	UGE3G02R	UGE3G03S	UG2G03M
0	1777	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03R	UG2G03M
0	1778	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
0	1779	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM
0	1780	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
0	1781	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
0	1782	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM
0	1783	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
0	1784	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	
0	1785	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	
0	1786	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE3G03S	UG2G03M	
0	1787	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M	
0	1788	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	
0	1789	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	
0	1790	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE3G03S	UG2G03M	
0	1791	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE3G03S	UG2G03M	
0	1792	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M	

0	1793	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S	
0	1794	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	
0	1795	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	
0	1796	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM
0	1797	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM
0	1798	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM
0	1799	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM
0	1800	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM
0	1801	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM
0	1802	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM
0	1803	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM
0	1804	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM
0	1805	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM
0	1806	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM
0	1807	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM
0	1808	JIVTHIGH	LOOP	NROSP4.0	UFTACBN	UGE2G02M	UGE2G03M		
0	1809	LOOP	NROSP3.0	NR2D33.0	UGE2G03S	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G02TSM
0	1810	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G03TSM
0	1811	LOOP	NROSP3.0	NR3D23.0	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD	UOPLSHED
0	1812	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD	UOPLSHED
0	1813	LOOP	NROSP3.0	NR3D33.0	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD	UOPLSHED
0	1814	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD	UOPLSHED
0	1815	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD	UOPLSHED
0	1816	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD	UOPLSHED
0	1817	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U2G03TSM	U3G024.0	
0	1818	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U2G034.0	U3G03TSM	
0	1819	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U2G034.0	U3G02TSM	
0	1820	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U2G03TSM	U3G034.0	
0	1821	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G034.0	U3G024.0	

0	1822	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G034.0	U3G034.0		
0	1823	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G03M	U2G034.0	U3G024.0		
0	1824	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G02M	U2G024.0	U3G034.0		
0	1825	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE2G03M	U3G024.0	U3G034.0		
0	1826	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	UGE3G03M	U2G024.0	U3G024.0		
0	1827	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	UGE3G03M	U2G024.0	U2G034.0		
0	1828	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	UGE3G02M	U2G034.0	U3G034.0		
0	1829	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M	UGE3G2SD	UGE3G3SD		
0	1830	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE3G2SD	UGE3G3SD	UG2G03M		
0	1831	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	UGE3G3SD	U2G024.0		
0	1832	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	UGE3G2SD	U2G034.0		
0	1833	LOOP	NROSP3.0	UGE2G03M	UGE3G2SD	UOPLSHED	U2G02TSM	U3G03TSM		
0	1834	LOOP	NROSP3.0	UGE2G02M	UGE3G2SD	UOPLSHED	U2G03TSM	U3G03TSM		
0	1835	LOOP	NROSP3.0	UGE2G03M	UGE3G3SD	UOPLSHED	U2G02TSM	U3G02TSM		
0	1836	LOOP	NROSP3.0	UGE2G02M	UGE3G3SD	UOPLSHED	U2G03TSM	U3G02TSM		
0	1837	LOOP	NROSP3.0	UGE3G02M	UGE3G3SD	UOPLSHED	U2G02TSM	U2G03TSM		
0	1838	LOOP	NROSP3.0	UGE3G03M	UGE3G2SD	UOPLSHED	U2G02TSM	U2G03TSM		
0	1839	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	1840	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	1841	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	1842	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	1843	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	1844	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03S	UGE3G2SD	UG2G03M
0	1845	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	1846	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03R	UG2G03M		
0	1847	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03M	UG2G03M		
0	1848	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03R	UG2G03M		
0	1849	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G02M	UOPLSHED	U3G03TSM		
0	1850	LOOP	NROSP3.0	UGE2G03M	UGE3G02M	UGE3G03M	UOPLSHED	U2G02TSM		

0	1851	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UGE3G03M	UOPLSHED	U3G02TSM			
0	1852	LOOP	NROSP3.0	UGE2G02M	UGE3G02M	UGE3G03M	UOPLSHED	U2G03TSM			
0	1853	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G027.5	U3G037.5			
0	1854	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G027.5	U3G037.5			
0	1855	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U2G037.5	U3G037.5			
0	1856	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G037.5	U3G027.5			
0	1857	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE3G03M	UG2G03M				
0	1858	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M	UGE3G02M				
0	1859	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M	UGE3G02M				
0	1860	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE3G03M	UG2G03M				
0	1861	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM			
0	1862	LOOP	LPY0140R	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM			
0	1863	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G03M	UGE3G3SD	U2G02TSM		
0	1864	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02M	UGE3G2SD	U2G03TSM		
0	1865	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S	UGE2G03S	
0	1866	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M			
0	1867	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M			
0	1868	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD			
0	1869	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD			
0	1870	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G02S	UGE2G03S	UGE3G02S
		UGE3G03S									
0	1871	LMV4716P	LOOP	LPM0504R	UCB0404N						
0	1872	LMV4716P	LOOP	LPM0141S	LPM0504R						
0	1873	LMV4716P	LOOP	LPM0141R	UCB0603N						
0	1874	LMV4716P	LOOP	LPM0141R	LPM0504S						
0	1875	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	ZCSEALOP	
0	1876	LOOP	NROSP2.0	NR2D32.0	SEALMISO	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD		
0	1877	LOOP	NROSP2.0	NR2D22.0	SEALMISO	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	1878	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	ZCSEALOP	

0	1879	LOOP	LPT0140M	NROSP51M	NR2D351M	UFTAX51M	UGE2G03S	U2G02TSM		
0	1880	LOOP	LPT0140M	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	U2G03TSM		
0	1881	LOOP	NROSP2.0	RCPFAIL	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM	ZCSEALOP	
0	1882	LOOP	NROSP2.0	SEALMISO	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM		
0	1883	LOOP	LOPMDISC	NROSP90M	U2G02TSM	U2G03TSM	U3G0290M	U3G03TSM		
0	1884	LOOP	LOPMDISC	NROSP90M	U2G0290M	U2G03TSM	U3G02TSM	U3G03TSM		
0	1885	LOOP	LOPMDISC	NROSP90M	U2G02TSM	U2G0390M	U3G02TSM	U3G03TSM		
0	1886	LOOP	LOPMDISC	NROSP90M	U2G02TSM	U2G03TSM	U3G02TSM	U3G0390M		
0	1887	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM	ZCSEALOP	
0	1888	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM		
0	1889	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM		
0	1890	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM		
0	1891	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM		
0	1892	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM	ZCSEALOP	
0	1893	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM	ZCSEALOP	
0	1894	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM	ZCSEALOP	
0	1895	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM	ZCSEALOP	
0	1896	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM		
0	1897	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM		
0	1898	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM	ZCSEALOP	
0	1899	LOOP	LOPMDISC	NROSP90M	UFTACBN	UGE2G03M	U2G02TSM			
0	1900	LOOP	LOPMDISC	NROSP90M	UFTACBN	UGE2G02M	U2G03TSM			
0	1901	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M	ZCSEALOP	
0	1902	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M		
0	1903	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03R	UG2G03M
0	1904	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R			
0	1905	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M			
0	1906	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M			
0	1907	CRV00030	LOOP	LPM0141M	NROSP51M	UGE3G03R	UG2G03M			

0	1908	LOOP	LOPMDISC	NROSP90M	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G3SD				
0	1909	LOOP	LOPMDISC	NROSP90M	UFTARE6K	UGE2G02M	UGE2G03M	UGE3G2SD				
0	1910	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD			
0	1911	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD			
0	1912	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02R	UGE3G03S	UG2G03M	
0	1913	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02R	UGE3G02S	UGE3G03S	UG2G03M	
0	1914	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE3G03M	UG2G03M					
0	1915	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M					
0	1916	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R	UGE3G2SD					
0	1917	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R	UGE3G3SD					
0	1918	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R				
0	1919	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R				
0	1920	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S				
0	1921	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S				
0	1922	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G02R	UGE3G02R	UGE3G03S	UG2G03M			
0	1923	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G3SD	UG2G03M			
0	1924	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S	UGE3G2SD	UG2G03M			
0	1925	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G3SD	UG2G03M			
0	1926	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03R	UG2G03M			
0	1927	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03R	UG2G03M			
0	1928	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03R	UGE3G2SD	UG2G03M			
0	1929	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	U3G0290M	U3G03TSM			
0	1930	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	U2G0290M	U3G02TSM			
0	1931	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G0390M	U3G02TSM			
0	1932	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G02M	UGE3G03S	U2G0290M	U2G03TSM			
0	1933	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G0290M	U3G02TSM			
0	1934	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G0290M	U3G03TSM			
0	1935	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G0390M	U3G03TSM			
0	1936	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G0390M	U3G03TSM			

0	1937	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	U2G0390M	U3G02TSM	
0	1938	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	U3G0290M	U3G03TSM	
0	1939	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G0290M	U3G03TSM	
0	1940	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G03M	U2G0290M	U2G03TSM	
0	1941	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	U3G02TSM	U3G0390M	
0	1942	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G03M	U2G02TSM	U2G0390M	
0	1943	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	U3G02TSM	U3G0390M	
0	1944	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G03TSM	U3G0390M	
0	1945	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G02TSM	U3G0390M	
0	1946	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	U2G02TSM	U3G0390M	
0	1947	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G03TSM	U3G0290M	
0	1948	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G02TSM	U3G0290M	
0	1949	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	U2G02TSM	U3G0290M	
0	1950	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G03TSM	U3G0390M	
0	1951	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G02M	UGE3G03S	U2G02TSM	U2G0390M	
0	1952	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	U2G03TSM	U3G0290M	
0	1953	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M		
0	1954	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE3G03S	UG2G03M		
0	1955	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M		
0	1956	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M		
0	1957	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S		
0	1958	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M		
0	1959	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE3G03S	UG2G03M		
0	1960	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S		
0	1961	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	UGE3G03M	U2G034.0
0	1962	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G03M	U3G024.0
0	1963	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	UGE3G03M	U2G024.0
0	1964	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	UGE3G02M	U3G034.0
0	1965	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	UGE3G03S	U3G024.0

0	1966	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	UGE3G02S	U3G034.0
0	1967	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE3G02S	UGE3G03S	U2G034.0
0	1968	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G03M	UGE3G02S	UGE3G03S	U2G024.0
0	1969	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G02M	UGE3GG3S	U2G034.0
0	1970	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	UGE3G03S	U3G024.0
0	1971	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	UGE3G02S	U3G034.0
0	1972	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G02M	UGE3G03S	U2G024.0
0	1973	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G03TSM	U3G02TSM	U3G034.0	
0	1974	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G03TSM	U3G024.0	U3G03TSM	
0	1975	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G02TSM	U2G03TSM	U3G024.0	
0	1976	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G02TSM	U2G034.0	U3G03TSM	
0	1977	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G02TSM	U2G03TSM	U3G034.0	
0	1978	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G02TSM	U3G02TSM	U3G034.0	
0	1979	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G02TSM	U3G024.0	U3G03TSM	
0	1980	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G02TSM	U2G034.0	U3G02TSM	
0	1981	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G024.0	U2G03TSM	U3G02TSM	
0	1982	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G024.0	U2G03TSM	U3G03TSM	
0	1983	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G034.0	U3G02TSM	U3G03TSM	
0	1984	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G024.0	U3G02TSM	U3G03TSM	
0	1985	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	UGE3G3SD	U2G0290M	U2G0390M		
0	1986	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M			
0	1987	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE3G03R	UGZG03M			
0	1988	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M			
0	1989	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02M	UGE3G02R			
0	1990	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	UGE2G03M	U3G03TSM	
0	1991	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G02M	UGE2G03S	U3G02TSM	
0	1992	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UFTAX4.0	UGE2G02M	UGE3G02S	U2G03TSM	
0	1993	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UFTAX4.0	UGE2G03M	UGE3G03S	U2G02TSM	
0	1994	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE3G2SD	UGE3G3SD	UG2G03M		

0	1995	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02M	UGE3G2SD	UGE3G3SD		
0	1996	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G027.5	U3G037.5	
0	1997	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G037.5	U3G027.5	
0	1998	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G037.5	U3G037.5	
0	1999	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U2G037.5	U3G03TSM	
0	2000	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	U3G027.5	U3G03TSM	
0	2001	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	U3G02TSM	U3G037.5	
0	2002	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	U3G027.5	U3G03TSM	
0	2003	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U2G037.5	U3G02TSM	
0	2004	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	U3G02TSM	U3G037.5	
0	2005	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U2G03TSM	U3G027.5	
0	2006	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G027.5	U3G037.5	
0	2007	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U2G03TSM	U3G037.5	
0	2008	JIVTLOM	LOOP	NROSP7.5	UFTACBN	UGE2G02M	U2G03TSM			
0	2009	JIVTLOM	LOOP	NROSP7.5	UFTACBN	UGE2G03M	U2G02TSM			
0	2010	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G03R	UGE3G2SD	UG2G03M	
0	2011	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G3SD	UG2G03M	
0	2012	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G3SD	UG2G03M	
0	2013	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02R	UGE3G03S	UGE3G2SD	UG2G03M	
0	2014	LMV4716P	LOOP	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	U2G03TSM		
0	2015	LMV4716P	LOOP	NROSP51M	NR2D351M	UFTAX51M	UGE2G03S	U2G02TSM		
0	2016	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G027.5	U3G03TSM		
0	2017	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G03TSM	U3G027.5		
0	2018	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G037.5	U3G02TSM		
0	2019	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G02TSM	U3G037.5		
0	2020	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G2SD	U3G0390M
0	2021	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G03S	UGE3G2SD	U2G0390M
0	2022	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G3SD	U3G0290M
0	2023	LOOP	LCPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G02S	UGE3G3SD	U2G0390M

0	2024	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G03S	UGE3G2SD	U2G0290M
0	2025	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G02S	UGE3G3SD	U2G0290M
0	2026	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03R		
0	2027	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02R		
0	2028	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03S	
0	2029	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	
0	2030	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	U2G02TSM	U3G02TSM	U3G03TSM
0	2031	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE3G03S	U2G02TSM	U2G03TSM	U3G02TSM
0	2032	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE3G02S	U2G02TSM	U2G03TSM	U3G03TSM
0	2033	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	U2G03TSM	U3G02TSM	U3G03TSM
0	2034	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G024.0	U2G034.0			
0	2035	JIVTLOM	LOOP	NROSP7.5	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G3SD		
0	2036	JIVTLOM	LOOP	NROSP7.5	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G2SD		
0	2037	LOOP	LPT0140M	NROSP51M	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM		
0	2038	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2039	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2040	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2041	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	2042	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	2043	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	UGE3G3SD		
0	2044	CRV0003O	LOOP	NROSP51M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	2045	CRV0003O	LOOP	NROSP51M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	2046	CRV0003O	LOOP	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03R	UG2G03M		
0	2047	CRV0003O	LOOP	NROSP51M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM		
0	2048	CRV0003O	LOOP	NROSP51M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM		
0	2049	CRV0003O	LOOP	NROSP51M	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM		
0	2050	CRV0003O	LOOP	NROSP51M	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM		
0	2051	CRV0003O	LOOP	NROSP51M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM		
0	2052	CRV0003O	LOOP	NROSP51M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM		

0	2053	CRV0003O	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M					
0	2054	CRV0003O	LOOP	LPM0141S	NROSP51M	UGE3G03R	UG2G03M					
0	2055	CRV0003O	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M					
0	2056	CRV0003O	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M					
0	2057	CRV0003O	LOOP	NROSP51M	UCB0404N	UGE3G03R	UG2G03M					
0	2058	CRV0003O	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M					
0	2059	CRV0003O	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R					
0	2060	CRV0003O	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R					
0	2061	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	NR3D390M	UGE2G02S	UGE2G03S	UGE3G02S	
		UGE3G03S										
0	2062	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G02M	UGE3G03S	U2G02TSM	
0	2063	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	UGE3G03M	U2G02TSM	
0	2064	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G02S	UGE3G03M	U2G03TSM	
0	2065	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE2G03M	UGE3G02S	UGE3G03S	U2G02TSM	
0	2066	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	U3G03TSM	
0	2067	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	U3G03TSM	
0	2068	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02M	UGE3G03S	U2G03TSM	
0	2069	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE3G02S	UGE3G03S	U2G03TSM	
0	2070	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	U3G02TSM	
0	2071	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	U3G02TSM	
0	2072	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	U3G03TSM	
0	2073	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	U3G02TSM	
0	2074	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03M	UG2G03M			
0	2075	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02R	UGE3G3SD	UG2G03M			
0	2076	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G03R	UGE3G2SD	UG2G03M			
0	2077	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G03M	UGE3G2SD			
0	2078	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02R	UGE3G3SD			
0	2079	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G03R	UGE3G2SD			
0	2080	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G02M	UGE3G3SD			

0	2081	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G03M	UGE3G2SD
0	2082	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G02M	UGE3G3SD
0	2083	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE3G03M	UG2G03M		
0	2084	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G02		
0	2085	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
0	2086	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
0	2087	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	[illegible]
0	2088	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM
0	2089	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM
0	2090	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
0	2091	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM
0	2092	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
0	2093	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
0	2094	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
0	2095	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
0	2096	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM
0	2097	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R	
0	2098	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	
0	2099	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03R	
0	2100	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02R	
0	2101	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R	
0	2102	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	
0	2103	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	
0	2104	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03R	UGE3G03S	
0	2105	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S	
0	2106	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S	
0	2107	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S	
0	2108	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	
0	2109	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	

0	2110	CRV00[illegible]	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD			
0	2111	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM		
0	2112	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM		
0	2113	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM		
0	2114	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM		
0	2115	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM		
0	2116	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM		
0	2117	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM		
0	2118	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM		
0	2119	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM		
0	2120	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM		
0	2121	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM		
0	2122	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM		
0	2123	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M		
0	2124	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	UG2G03M		
0	2125	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M		
0	2126	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03M	UG2G03M		
	2127	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M		
0	2128	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE3G02M	UGE3G03S	UG2G03M		
0	2129	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S		
0	2130	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	NR3D34.0	UGE2G02S	UGE2G03S	UGE3G02S
		UGE3G03S									
0	2131	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D351M	UGE2G02S	UGE2G03S	UGE3G03S
		UGE3G2SD									
0	2132	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D251M	UGE2G02S	UGE2G03S	UGE3G02S
		UGE3G3SD									
0	2133	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G0351M		
0	2134	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G2SD	UGE3G3SD	U2G0251M	U2G03TSM		
0	2135	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G0351M		

0	2136	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03S1M	
0	2137	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02S1M	
0	2138	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03S1M	
0	2139	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02S1M	
0	2140	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02S1M	
0	2141	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G03S	UGE3G2SD	U2G03TSM
0	2142	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM
0	2143	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM
0	2144	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM
0	2145	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G02S	UGE3G3SD	U2G03TSM
0	2146	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM
0	2147	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M
0	2148	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M
0	2149	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S
0	2150	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M	UGE3G03S	UG2G03M
0	2151	LOOP	LPT0140M	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S
0	2152	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M
0	2153	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02M	UGE3G02S	UGE3G03S	UG2G03M
0	2154	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S
0	2155	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03R	UGE3G2SD	UGE3G3SD		
0	2156	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G02R	UGE3G2SD	UGE3G3SD		
0	2157	LOOP	NROSP51M	SEALFAIL	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	2158	LOOP	LOPORFIL	NROSP51M	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	2159	LOOP	LOPORFIL	NROSP51M	UGE3G3SD	U2G02TSM	U2G03TSM	U3G02TSM		
0	2160	LOOP	NROSP51M	SEALFAIL	UGE3G2SD	U2G02TSM	U2G03TSM	U3G03TSM		
0	2161	CRV0003O	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	2162	LOOP	LOPORFIL	NROSP51M	UGE2G02R	UGE3G02R	UGE3G03R	UG2G03M		
0	2163	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM		
0	2164	LOOP	LOPORFIL	NROSP51M	UGE3G02M	UGE3G03M	U2G02TSM	U3G03TSM		

0	2165	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G03M	U2G02TSM	U3G02TSM			
0	2166	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM			
0	2167	LOOP	NROSP51M	SEALFAIL	UGE3G02M	UGE3G03M	U2G02TSM	U2G03TSM			
0	2168	LOOP	NROSP51M	SEALFAIL	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM			
0	2169	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM			
0	2170	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G03M	U2G03TSM	U3G02TSM			
0	2171	LOOP	NROSP51M	SEALFAIL	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM			
0	2172	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE3G02M	U2G03TSM	U3G03TSM			
0	2173	LOOP	LOPORFIL	NROSP51M	UGE2G03M	UGE3G02M	U2G02TSM	U3G03TSM			
0	2174	LOOP	LOPORFIL	NROSP51M	UGE2G02M	UGE2G03M	U3G02TSM	U3G03TSM			
0	2175	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R				
0	2176	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M				
0	2177	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M				
0	2178	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE3G03R	UG2G03M				
0	2179	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R	UGE3G03M				
0	2180	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M				
0	2181	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R				
0	2182	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE3G03R	UG2G03M				
0	2183	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S	UGE2G03S	UGE3G02S	U3G037.5
0	2184	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G03S	UGE3G02S	UGE3G03S	U2G027.5
0	2185	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S	UGE3G02S	UGE3G03S	U2G037.5
0	2186	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S	UGE2G03S	UGE3G03S	U3G027.5
0	2187	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G03R	UGE3G2SD	UG2G03M			
0	2188	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G02R	UGE3G3SD	UG2G03M			
0	2189	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G03M	UGE3G2SD	UG2G03M			
0	2190	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M	UGE3G3SD	UG2G03M			
0	2191	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02R	UGE3G03M	UG2G03M		
0	2192	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	UGE3G3SD	U2G0290M			
0	2193	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	UGE3G2SD	U2G0390M			

0	2194	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	
0	2195	LOOP	LOPORFIL	LPM0[illegible]M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	
0	2196	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM
0	2197	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM
0	2198	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM
0	2199	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM
0	2200	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM
0	2201	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM
0	2202	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM
0	2203	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM
0	2204	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	2205	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G3SD	U3G02TSM
0	2206	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE3G02S	UGE3G3SD	U2G03TSM
0	2207	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G02M	UGE3G3SD	U2G02TSM
0	2208	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM
0	2209	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM
0	2210	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G3SD	U3G02TSM
0	2211	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G3SD	U2G02TSM
0	2212	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	UGE3G2SD	U2G02TSM
0	2213	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	UGE3G2SD	U2G03TSM
0	2214	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM
0	2215	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	U3G03TSM
0	2216	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	U3G03TSM
0	2217	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	UGE3G2SD	U2G03TSM
0	2218	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G02M	UGE3G3SD	U2G03TSM
0	2219	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	UGE3G2SD	U2G02TSM
0	2220	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G0351M	
0	2221	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G0251M	
0	2222	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M

0	2223	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	UG2G03M	
0	2224	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M	
0	2225	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M	
0	2226	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03M	UG2G03M	
0	2227	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M	
0	2228	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	
0	2229	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S	
0	2230	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S	
0	2231	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	
0	2232	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE3G02M	UGE3G03S	UG2G03M	
0	2233	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UFTAX7.5	UGE2G02S	UGE2G03M	UGE3G03S
0	2234	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE2G03S	UGE3G02S
0	2235	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02S	
0	2236	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	
0	2237	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03S	
0	2238	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03S	
0	2239	LOOP	LPT0140M	NROSP51M	UFTAX51M	UGE2G02R	UGE3G3SD	UG2G03M		
0	2240	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	2241	LOOP	NROSP51M	NR2D251M	NR2D351M	SEALFAIL	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD
0	2242	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02R			
0	2243	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03R			
0	2244	LMV4716P	LOOP	NROSP51M	U2G02TSM	U2G03TSM	U3G02TSM	U3G03TSM		
0	2245	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UFTAX90M	UGE2G02M	UGE2G03S	UGE3G02S
0	2246	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UFTAX90M	UGE2G02S	UGE2G03M	UGE3G03S
0	2247	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M			
0	2248	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R			
0	2249	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE3G03R	UG2G03M			
0	2250	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M			
0	2251	LOOP	LPM0[illegible]	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE3G3SD		

0	2252	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G2SD			
0	2253	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02M	UGE3G03M		
0	2254	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M	UGE3G03M	UG2G03M		
0	2255	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03M	UG2G03M		
0	2256	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM		
0	2257	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE3G02S	UGE3G03M	U2G02TSM	U2G03TSM		
0	2258	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM		
0	2259	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM		
0	2260	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	U3G02TSM	U3G03TSM		
0	2261	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM		
0	2262	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM		
0	2263	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02M	UGE2G03S	U3G02TSM	U3G03TSM		
0	2264	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE3G02M	UGE3G03S	U2G02TSM	U2G03TSM		
0	2265	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM		
0	2266	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM		
0	2267	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G02TSM	U3G03TSM		
0	2268	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R			
0	2269	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R			
0	2270	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD			
0	2271	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD			
0	2272	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S			
0	2273	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S			
0	2274	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD			
0	2275	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD			
0	2276	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03R			
0	2277	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02R			
0	2278	LMV4716P	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03R	UGE3G03S			
0	2279	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S			
0	2280	LOOP	NROSP3.0	NR2D23.0	NR2D33.0	UGE2G02S	UGE2G03S	UGE3G2SD	UGE3G3SD	UOPLSHED	

0	2281	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G024.0	U3G034.0	
0	2282	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G024.0	U2G034.0	
0	2283	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G024.0	U2G034.0	
0	2284	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G034.0	U3G024.0	
0	2285	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G034.0	U3G034.0	
0	2286	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G024.0	U3G024.0	
0	2287	JIVTHIGH	LOOP	NROSP4.0	UFTACBN	UGE2G02M	U2G03TSM			
0	2288	JIVTHIGH	LOOP	NROSP4.0	UFTACBN	UGE2G03M	U2G02TSM			
0	2289	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0613N	UGE2G02S	UGE3G2SD	UGE3G3SD
0	2290	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0417N	UGE2G03S	UGE3G2SD	UGE3G3SD
0	2291	LOOP	NROSP3.0	NR2D33.0	UGE2G03S	UGE3G03M	UGE3G2SD	UOPLSHED	U2G02TSM	
0	2292	LOOP	NROSP3.0	NR3D23.0	UGE2G02M	UGE3G02S	UGE3G3SD	UOPLSHED	U2G03TSM	
0	2293	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE3G03M	UGE3G2SD	UOPLSHED	U2G03TSM	
0	2294	LOOP	NROSP3.0	NR3D33.0	UGE2G02M	UGE3G03S	UGE3G2SD	UOPLSHED	U2G03TSM	
0	2295	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G2SD	UOPLSHED	U3G03TSM	
0	2296	LOOP	NROSP3.0	NR3D33.0	UGE2G03M	UGE3G03S	UGE3G2SD	UOPLSHED	U2G02TSM	
0	2297	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G3SD	UOPLSHED	U3G02TSM	
0	2298	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE3G02M	UGE3G3SD	UOPLSHED	U2G03TSM	
0	2299	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G2SD	UOPLSHED	U3G03TSM	
0	2300	LOOP	NROSP3.0	NR3D23.0	UGE2G03M	UGE3G02S	UGE3G3SD	UOPLSHED	U2G02TSM	
0	2301	LOOP	NROSP3.0	NR2D33.0	UGE2G03S	UGE3G02M	UGE3G3SD	UOPLSHED	U2G02TSM	
0	2302	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G3SD	UOPLSHED	U3G02TSM	
0	2303	LOOP	LPM0141R	LPM0504R	LPT0140S	LPT0140Y				
0	2304	LOOP	NROSP3.0	NR2D33.0	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03M	UOPLSHED	
0	2305	LOOP	NROSP3.0	NR3D23.0	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03M	UOPLSHED	
0	2306	LOOP	NROSP3.0	NR2D23.0	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03M	UOPLSHED	
0	2307	LOOP	NROSP3.0	NR3D33.0	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03S	UOPLSHED	
0	2308	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0	U3G024.0	U3G03TSM		
0	2309	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U2G034.0	U3G02TSM		

0	2310	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0	U3G024.0	U3G03TSM		
0	2311	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U2G034.0	U3G03TSM		
0	2312	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0	U3G02TSM	U3G034.0		
0	2313	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0	U3G02TSM	U3G034.0		
0	2314	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U2G03TSM	U3G034.0		
0	2315	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U2G03TSM	U3G024.0		
0	2316	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G034.0	U3G024.0		
0	2317	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G024.0	U3G034.0		
0	2318	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G024.0	U3G034.0		
0	2319	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G034.0	U3G024.0		
0	2320	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE3G02M	UGE3G3SD	UG2G03M		
0	2321	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE3G03M	UGE3G2SD	UG2G03M		
0	2322	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M	UGE3G02M	UGE3G3SD		
0	2323	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M	UGE3G03M	UGE3G2SD		
0	2324	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	UGE3G02R			
0	2325	LOOP	LOPORFIL	LPM0140M	NROSP51M	UGE2G03R	UGE3G03R			
0	2326	LOOP	NROSP3.0	UGE3G2SD	UOPLSHED	U2G02TSM	U2G03TSM	U3G03TSM		
0	2327	LOOP	NROSP3.0	UGE3G3SD	UOPLSHED	U2G02TSM	U2G03TSM	U3G02TSM		
0	2328	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G02S	UGE3G3SD	U2G03TSM
0	2329	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	UGE3G3SD	U2G02TSM
0	2330	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G03S	UGE3G2SD	U2G03TSM
0	2331	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G03S	UGE3G2SD	U2G02TSM
0	2332	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G2SD	U3G03TSM
0	2333	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G3SD	U3G02TSM
0	2334	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	UGE3G02M	U2G024.0		
0	2335	JIVTHIGH	I	NROSP4.0	UFTAX4.0	UGE2G03M	UGE3G03M	U2G024.0		
0	2336	LOOP	N	UGE3G02M	UGE3G03M	UOPLSHED	U2G02TSM	U2G03TSM		
0	2337	LOOP	NROSP3.0	UGE2G02M	UGE3G02M	UOPLSHED	U2G03TSM	U3G03TS		
0	2338	LOOP	NROSP3.0	UGE2G02M	UGE3G03M	UOPLSHED	U2G03TSM	U3G02TS1		

0	2339	LOOP	NROSP3.0	UGE2G02M	UGE2G03M	UOPLSHED	[illegible]2TSM	U3G03TSM		
0	2340	LOOP	NROSP3.0	UGE2G03M	UGE3G02M	UOPLSHED	UC302TSM	U3G03TSM		
0	2341	LOOP	NROSP3.0	UGE2G03M	UGE3G03M	UOPLSHED	U2G02TSM	U3G02TSM		
0	2342	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G03M
0	2343	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G03M
0	2344	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M	UGE3G03S	UG2G03M
0	2345	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02M	UGE3G02S	UGE3G03S	UG2G03M
0	2346	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G03M
0	2347	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G03S
0	2348	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G03S
0	2349	LMV4716P	LOOP	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G03S
0	2350	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02R	UGE3G2SD	UGE3G3SD		
0	2351	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE2G03R	UGE3G2SD	UGE3G3SD		
0	2352	CRV00030	LOOP	NROSP51M	UFTAX51M	U2G02TSM	U2G03TSM			
0	2353	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G037.5	U3G027.5	U3G03TSM		
0	2354	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G027.5	U3G037.5		
0	2355	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G037.5	U3G02TSM	U3G037.5		
0	2356	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G027.5	U3G037.5		
0	2357	LOOP	LPY0140R	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G03TSM		
0	2358	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE3G3SD	UG2G03M			
0	2359	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD			
0	2360	JIVTHIGH	LOOP	NROSP4.0	UFTARE6K	UGE2G02M	UGE2G03M	UGE3G2SD		
0	2361	JIVTHIG	LOOP	NROSP4.0	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G3SD		
0	2362	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G03TSM		
0	2363	LOOP	LPY0140R	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G02TSM		
0	2364	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G03TSM		
0	2365	LOOP	LPY0140R	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G02TSM		
0	2366	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G02TSM		
0	2367	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G03TSM		

0	2368	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02M	UGE3G02M	U2G03TSM	
0	2369	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G03M	UGE3G03M	U2G02TSM	
0	2370	LOOP	LPY0140R	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G03M		
0	2371	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U[illegible]G03M		
0	2372	LOOP	NROSP2.0	NR2D32.0	SEALMISO	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM	
0	2373	LOOP	NROSP2.0	NR2D22.0	SEALMISO	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM	
0	2374	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G02TSM	ZCSEALOP
0	2375	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G03TSM	ZCSEALOP
0	2376	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD	ZCSEALOP
0	2377	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD	ZCSEALOP
0	2378	LOOP	NROSP2.0	NR2D32.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD	ZCSEALOP
0	2379	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD	ZCSEALOP
0	2380	LOOP	NROSP2.0	NR2D32.0	SEALMISO	UGE2G02M	UGE2G03S	UGE3G03M	UGE3G2SD	
0	2381	LOOP	NROSP2.0	NR2D32.0	SEALMISO	UGE2G02M	UGE2G03S	UGE3G02M	UGE3G3SD	
0	2382	LOOP	NROSP2.0	NR2D22.0	SEALMISO	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD	
0	2383	LOOP	NROSP2.0	NR2D22.0	SEALMISO	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD	
0	2384	LOOP	NROSP2.0	NR3D32.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G03S	UGE3G2SD	
0	2385	LOOP	NROSP2.0	NR3D22.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G02S	UGE3G3SD	
0	2386	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE2G03M	UGE3G03M	UGE3G2SD	ZCSEALOP
0	2387	LOOP	NROSP2.0	NR2D22.0	RCPFAIL	UGE2G02S	UGE2G03M	UGE3G02M	UGE3G3SD	ZCSEALOP
0	2388	LOOP	LOPORFIL	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD		
0	2389	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD		
0	2390	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD		
0	2391	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD		
0	2392	LOOP	NROSP2.0	RCPFAIL	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM	ZCSEALOP	
0	2393	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G3SD	U2G03TSM	U[illegible]SM	ZCSEALOP	
0	2394	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G2SD	U2G03TSM	U3G[illegible]	ZCSEALOP	
0	2395	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM	ZCSEALOP	
0	2396	LOOP	NROSP2.0	RCPFAIL	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM	ZCSEALOP	

0	2397	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM	ZCSEALOP	
0	2398	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G3SD	U2G02TSM	U3G02TSM		
0	2399	LOOP	NROSP2.0	SEALMISO	UGE3G02M	UGE3G3SD	U2G02TSM	U2G03TSM		
0	2400	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G3SD	U2G03TSM	U3G02TSM		
0	2401	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G2SD	U2G03TSM	U3G03TSM		
0	2402	LOOP	NROSP2.0	SEALMISO	UGE3G03M	UGE3G2SD	U2G02TSM	U2G03TSM		
0	2403	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G2SD	U2G02TSM	U3G03TSM		
0	2404	LOOP	LOPMDISC	NROSP90M	UFTACBN	U2G02TSM	U2G03TSM			
0	2405	LOOP	NROSP2.0	SEALMISO	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM		
0	2406	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM		
0	2407	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM		
0	2408	LOOP	NROSP2.0	SEALMISO	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM		
0	2409	LOOP	NROSP2.0	RCPFAIL	UGE2G03M	UGE3G02M	UGE3G03M	U2G02TSM	ZCSEALOP	
0	2410	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G03M	U3G02TSM	ZCSEALOP	
0	2411	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE2G03M	UGE3G02M	U3G03TSM	ZCSEALOP	
0	2412	LOOP	NROSP2.0	RCPFAIL	UGE2G02M	UGE3G02M	UGE3G03M	U2G03TSM	ZCSEALOP	
0	2413	LMV4716P	LOOP	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G0351M		
0	2414	LMV4716P	LOOP	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G0251M		
0	2415	LOOP	NROSP3.0	UGE2G02M	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G033.0		
0	2416	LOOP	NROSP3.0	UGE2G03M	UGE3G2SD	UGE3G3SD	UOPLSHED	U2G023.0		
0	2417	LOOP	LPY0140R	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G2SD	UGE3G3SD	
0	2418	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	UGE3G3SD	UG2G03M
0	2419	LOOP	LPT0140R	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	UG2G03M	
0	2420	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	UGE2G03M	UGE3G3SD
0	2421	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UFTAX51M	UGE2G02M	UGE2G03S	UGE3G2SD
0	2422	LOOP	LPY0140R	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G2SD	UGE3G3SD	
0	2423	LOOP	LPT0140M	NROSP51M	UFTAX51M	UGE2G03M	UGE3G3SD	U2G02TSM		
0	2424	LOOP	LPT0140M	NROSP51M	UFTAX51M	UGE2G02M	UGE3G2SD	U2G03TSM		
0	2425	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S	UGE2G03S	

0	2426	LMV4716P	LOOP	NROSP51M	UFTAX51M	UGE2G02R	UGE3G3SD	UG2G03M		
0	2427	LOOP	LXV0471X	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2428	LOOP	LXV0468X	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2429	LOOP	LXV0122X	NROSP51M	UGE2G02R	UGE3G2SD	UGE3G3SD	UG2G03M		
0	2430	LOOP	NROSP51M	SEALFAIL	UFTAX51M	U2G02TSM	U2G03TSM			
0	2431	LOOP	LOPORFIL	NROSP51M	UFTAX51M	U2G02TSM	U2G03TSM			
0	2432	LOOP	LOPMDISC	NROSP90M	UFTARE4K	UGE2G03M	UGE3G3SD	U2G02TSM		
0	2433	LOOP	LOPMDISC	NROSP90M	UFTARE4K	UGE2G02M	UGE3G3SD	U2G03TSM		
0	2434	LOOP	LOPMDISC	NROSP90M	UFTARE6K	UGE2G03M	UGE3G2SD	U2G02TSM		
0	2435	LOOP	LOPMDISC	NROSP90M	UFTARE6K	UGE2G02M	UGE3G2SD	U2G03TSM		
0	2436	LOOP	LOPMDISC	NROSP90M	UFTARE6K	UGE2G02M	UGE2G03M	UGE3G02M		
0	2437	LOOP	LOPMDISC	NROSP90M	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G03M		
0	2438	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	
0	2439	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	
0	2440	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE3G03S	UG2G03M	
0	2441	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	
0	2442	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02R			
0	2443	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03R			
0	2444	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R			
0	2445	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R			
0	2446	LOOP	LPM0141M	LPM0504M	LPT0140R					
0	2447	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03R	UG2G03M	
0	2448	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G03R	UGE3G2SD	
0	2449	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G03R	UGE3G2SD	
0	2450	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G02R	UGE3G3SD	
0	2451	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G02R	UGE3G3SD	
0	2452	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R	UGE3G03M			
0	2453	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R	UGE3G02M			
0	2454	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE3G03R	UG2G03M			

0	2455	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G02R		
0	2456	CRV0003O	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G2SD		
0	2457	CRV0003O	LOOP	LPM0141R	NROSP51M	UGE3G3SD	UG2G03M		
0	2458	LOOP	LPM0504S	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G2SD	
0	2459	LOOP	LPM0141S	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE3G3SD	
0	2460	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N	UGE3G2SD	
0	2461	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N	UGE3G3SD	
0	2462	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03M	UG2G03M
0	2463	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03M	UG2G03M
0	2464	CRV0003O	LOOP	NRGSP51M	NR2D251M	UGE2G02S	UGE3G02A	UGE3G03R	UG2G03M
0	2465	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03R	UG2G03M
0	2466	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G02R	UGE3G02M	UGE3G03S	UG2G03M
0	2467	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R	UGE3G03S	UG2G03M
0	2468	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G02TSM	U2G0390M	U3G03TSM
0	2469	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G03TSM	U3G0290M	U3G03TSM
0	2470	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G02TSM	U3G0290M	U3G03TSM
0	2471	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G03TSM	U3G02TSM	U3G0390M
0	2472	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	U2G02TSM	U2G03TSM	U3G0290M
0	2473	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G02TSM	U2G03TSM	U3G0390M
0	2474	LOOP	LOPMDISC	NROSP90M	NR2D390.	UGE2G03S	U2G02TSM	U3G02TSM	U3G0390M
0	2475	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G0390M	U3G02TSM	U3G03TSM
0	2476	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G0290M	U2G03TSM	U3G03TSM
0	2477	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	U2G0290M	U2G03TSM	U3G02TSM
0	2478	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	U2G02TSM	U2G0390M	U3G02TSM
0	2479	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G0290M	U3G02TSM	U3G03TSM
0	2480	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTACBN	UGE2G02S	UGE2G03M	
0	2481	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTACBN	UGE2G02M	UGE2G03S	
0	2482	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	
0	2483	LOOP	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	

0	2484	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G03S	U2G024.0	U3G02TSM
0	2485	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G03S	U2G034.0	U3G02TSM
0	2486	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	U3G024.0	U3G03TSM
0	2487	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	U2G034.0	U3G03TSM
0	2488	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	U2G024.0	U3G03TSM
0	2489	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE3G02S	UGE3G03S	U2G024.0	U2G03TSM
0	2490	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE2G03S	U3G02TSM	U3G034.0
0	2491	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G03S	U2G03TSM	U3G024.0
0	2492	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G03S	U2G02TSM	U3G024.0
0	2493	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE3G02S	UGE3G03S	U2G02TSM	U2G034.0
0	2494	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G02S	U2G03TSM	U3G034.0
0	2495	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G02S	U2G02TSM	U3G034.0
0	2496	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UFTAX4.0	UGE2G02M	UGE2G03S	UGE3G02S
0	2497	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UFTAX4.0	UGE2G02S	UGE2G03M	UGE3G03S
0	2498	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02R	UGE3G03S	UG2G03M
0	2499	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02R	UGE3G02S	UGE3G03S	UG2G03M
0	2500	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G3SD	U2G0290M	U3G0290M		
0	2501	LOOP	LOPMDISC	NROSP90M	UGE3G03M	UGE3G2SD	U2G0290M	U2G0390M		
0	2502	LOOP	LOPMDISC	NROSP90M	UGE2G03M	UGE3G2SD	U2G0290M	U3G0390M		
0	2503	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G2SD	U2G0390M	U3G0390M		
0	2504	LOOP	LOPMDISC	NROSP90M	UGE3G02M	UGE3G3SD	U2G0290M	U2G0390M		
0	2505	LOOP	LOPMDISC	NROSP90M	UGE2G02M	UGE3G3SD	U2G0390M	U3G0290M		
0	2506	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G03S	U2G027.5	U3G027.5
0	2507	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G03S	U2G037.5	U3G027.5
0	2508	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE2G03S	U3G027.5	U3G037.5
0	2509	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G02S	U2G037.5	U3G037.5
0	2510	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	UGE3G03S	U2G027.5	U2G037.5
0	2511	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G02S	U2G027.5	U3G037.5
0	2512	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE3G03M	UGE3G2SD	UG2G03M		

0	2513	LMV4716P	LOOP	NROSP51M	UCB0413N	UGE3G02M	UGE3G3SD	UG2G03M	
0	2514	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02M	UGE3G02M	UGE3G3SD	
0	2515	LMV4716P	LOOP	NROSP51M	UCB0613N	UGE2G02M	UGE3G03M	UGE3G2SD	
0	2516	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	UGE3G02R		
0	2517	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	UGE3G03R		
0	2518	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R	UGE3G02R		
0	2519	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2GC3R	UGE3G03R		
0	2520	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G03R	UGE3G2SD	UG2G03M	
0	2521	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G02R	UGE3G3SD	UG2G03M	
0	2522	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02R	UGE3G03R	UG2G03M
0	2523	CRV0003O	LOOP	LPM0141R	LPM0504M				
0	2524	CRV0003O	LOOP	LPM0141M	LPM0504R				
0	2525	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTACBN	UGE2G02S	UGE2G03M	
0	2526	JIV7LOM	LOOP	NROSP7.5	NR2D37.5	UFTACBN	UGE2G02M	UGE2G03S	
0	2527	LCV0532P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	
0	2528	LCV0448P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	
0	2529	LOOP	LPT0140R	NROSP51M	UCB0603N	UGE2G02M	UGE3G2SD		
0	2530	LCV0126P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	UG2G03M	
0	2531	LCV0124P	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G3SD	UG2G03M	
0	2532	LOOP	LPT0140R	NROSP51M	UCB0404N	UGE3G3SD	UG2G03M		
0	2533	LOOP	LPT0140S	LPT0140Y	LXV0469X	NROSP51M	UGE3G3SD	UG2G03M	
0	2534	LOOP	LPT0140S	LPT0140Y	LXV0127X	NROSP51M	UGE3G3SD	UG2G03M	
0	2535	LOOP	LPT0140S	LPT0140Y	LXV471AX	NROSP51M	UGE3G3SD	UG2G03M	
0	2536	LOOP	LPM0141S	LPT0140R	NROSP51M	UGE3G3SD	UG2G03M		
0	2537	LOOP	LOPORFIL	LPM0141R	NROSP51M	UGE3G3SD	UG2G03M		
0	2538	LOOP	LPT0140S	LPT0140Y	LXV0542X	NROSP51M	UGE2G02M	UGE3G2SD	
0	2539	LOOP	LPT0140S	LPT0140Y	LXV0533X	NROSP51M	UGE2G02M	UGE3G2SD	
0	2540	LOOP	LPT0140S	LPT0140Y	LXV0538X	NROSP51M	UGE2G02M	UGE3G2SD	
0	2541	LOOP	LPM0504S	LPT0140R	NROSP51M	UGE2G02M	UGE3G2SD		

0	2542	LOOP	LOPORFIL	LPM0504R	NROSP51M	UGE2G02M	UGE3G2SD			
0	2543	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	U3G037.5	
0	2544	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE3G02S	U2G037.5	
0	2545	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	U3G027.5	
0	2546	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UFTAX7.5	UGE2G03M	UGE3G03S	U2G027.5	
0	2547	JIVTLOM	LOOP	NROSP7.5	UFTACBN	U2G02TSM	U2G03TSM			
0	2548	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	UGE3G03M	UG2G03M	
0	2549	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03R	UG2G03M	
0	2550	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	UGE3G03M	UG2G03M	
0	2551	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02R	UGE3G02M	UGE3G03S	UG2G03M	
0	2552	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	UGE3G03R	UG2G03M	
0	2553	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE3G02R	UGE3G03S	UG2G03M	
0	2554	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G03M	U3G0290M
0	2555	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G02S	UGE3G03M	U2G0290M
0	2556	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G02S	UGE3G03M	U2G0390M
0	2557	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE2G03S	UGE3G02M	U3G0390M
0	2558	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	UGE3G02S	U3G0390M
0	2559	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	UGE3G02S	U3G0390M
0	2560	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G02M	UGE3G02S	UGE3G03S	U2G0390M
0	2561	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	UGE3G03S	U3G0290M
0	2562	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	UGE3G03S	U3G0290M
0	2563	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G02M	UGE3G03S	U2G0390M
0	2564	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G02M	UGE3G03S	U2G0290M
0	2565	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G03M	UGE3G02S	UGE3G03S	U2G0290M
0	2566	JIVTLOM	LOOP	NROSP7.5	UFTARE4K	UGE2G03M	UGE3G3SD	U2G02TSM		
0	2567	JIVTLOM	LOOP	NROSP7.5	UFTARE4K	UGE2G02M	UGE3G3SD	U2G03TSM		
0	2568	JIVTLOM	LOOP	NROSP7.5	UFTARE6K	UGE2G03M	UGE3G2SD	U2G02TSM		
0	2569	JIVTLOM	LOOP	NROSP7.5	UFTARE6K	UGE2G02M	UGE3G2SD	U2G03TSM		
0	2570	JIVTLOM	LOOP	NROSP7.5	UFTARE6K	UGE2G02M	UGE2G03M	UGE3G02M		

0	2571	JIVTL.X	.OOP	NROSP7.5	UFTARE4K	UGE2G02M	UGE2G03M	UGE3G03M		
0	2572	LMV4.	.OOP	NROSP51M	UFTAX51M	UGE2G03M	UGE3G3SD	U2G02TSM		
0	2573	LMV471	LOOP	NROSP51M	UFTAX51M	UGE2G02M	UGE3G2SD	U2G03TSM		
0	2574	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	2575	LOOP	.XV0471X	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	2576	LOOP	.XV0122X	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	2577	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	2578	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE3G2SD	UGE3G3SD	U2G03TSM		
0	2579	LOOP	LXV0468X	NROSP51M	UGE2G03M	UGE3G2SD	UGE3G3SD	U2G02TSM		
0	2580	LOOP	NROSP3.0	UFTAX3.0	UOPLSHED	U2G02TSM	U2G03TSM			
0	2581	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S	UGE2G03S	
0	2582	LOOP	LXV0471X	NROSP51M	UGE2.02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	2583	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	2584	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	2585	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	2586	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	UGE3G2SD		
0	2587	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	UGE3G3SD		
0	2588	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M		
0	2589	LOOP	LXV0122X	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M		
0	2590	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M		
0	2591	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	UG2G03M		
0	2592	LOOP	LXV0471X	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M		
0	2593	LOOP	LXV0468X	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	UG2G03M		
0	2594	CRV00030	LOOP	NROSP51M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	2595	CRV00030	LOOP	NROSP51M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	2596	CRV00030	LOOP	NROSP51M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	2597	CRV00030	LOOP	NROSP51M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	2598	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02S	UGE3G03S	UG2G03M
0	2599	LOOP	LPM0141M	LPM0504S	LPT0140R					

0	2600	LOOP	LPM0141M	LPT0140R	UCB0603N						
0	2601	LOOP	LPM0504M	LPT0140R	UCB0404N						
0	2602	LOOP	LPM0141S	LPM0504M	LPT0140R						
0	2603	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV471AX					
0	2604	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0469X					
0	2605	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0127X					
0	2606	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0538X					
0	2607	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0533X					
0	2608	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0542X					
0	2609	LOOP	LOPORFIL	LPM0141R	LPM0504M						
0	2610	LOOP	LOPORFIL	LPM0141M	LPM0504R						
0	2611	LCV0532P	LOOP	LPM0141M	LPT0140S	LPT0140Y					
0	2612	LCV0126P	LOOP	LPM0504M	LPT0140S	LPT0140Y					
0	2613	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G02R				
0	2614	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G03R				
0	2615	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	U2G02TSM	U3G03TSM
0	2616	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G03S	U2G03TSM	U3G02TSM
0	2617	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G02S	U2G03TSM	U3G03TSM
0	2618	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G03S	U2G02TSM	U3G02TSM
0	2619	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE3G02S	UGE3G03S	U2G02TSM	U2G03TSM
0	2620	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	U3G02TSM	U3G03TSM
0	2621	LOOP	LPM0504M	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S			
0	2622	LOOP	LPM0141M	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03S			
0	2623	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G02M	UGE3G03M		
0	2624	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G02M	UGE3G03M		
0	2625	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02R	UGE3G03M	UG2G03M		
0	2626	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02R	UGE3G03M		
0	2627	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M	UGE3G03R	UG2G03M		
0	2628	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02M	UGE3G03R		

0	2629	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G03R	UG2G03M		
0	2630	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M		
0	2631	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE3G02S	U2G02TSM	U2G03TSM	U3G03TSM		
0	2632	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE3G03S	U2G02TSM	U2G03TSM	U3G02TSM		
0	2633	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	U2G02TSM	U3G02TSM	U3G03TSM		
0	2634	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	U2G03TSM	U3G02TSM	U3G03TSM		
0	2635	CRV00030	LOOP	NROSP51M	NR3D351M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM		
0	2636	CRV00030	LOOP	NROSP51M	NR3D251M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM		
0	2637	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM		
0	2638	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM		
0	2639	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM		
0	2640	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM		
0	2641	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M			
0	2642	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE3G03S	UG2G03M			
0	2643	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M			
0	2644	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S			
0	2645	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM		
0	2646	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM		
0	2647	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM		
0	2648	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM		
0	2649	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM		
0	2650	CRV00030	LOOP	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM		
0	2651	CRV00030	LOOP	NROSP51M	NR2D251M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM		
0	2652	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM		
0	2653	CRV00030	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM		
0	2654	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM		
0	2655	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM		
0	2656	CRV00030	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM		
0	2657	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D251M	UGE2G02S	UGE2G03S	UGE3G02S

		UGE3G03M									
0	2658	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D351M	UGE2G02S	UGE2G03S	UGE3G02M
		UGE3G03S									
0	2659	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G02S
		UGE3G03S									
0	2660	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G02S
		UGE3G03S									
0	2661	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD			
0	2662	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD			
0	2663	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G02M	UGE3G3SD	U2G0251M	U2G03TSM		
0	2664	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G2SD	U2G0251M	U3G03TSM		
0	2665	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	U2G0351M	U3G03TSM		
0	2666	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G3SD	U2G0251M	U3G02TSM		
0	2667	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UGE3G2SD	U2G0251M	U2G03TSM		
0	2668	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G3SD	U2G0351M	U3G02TSM		
0	2669	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G2SD	U2G03TSM	U3G0351M		
0	2670	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G02M	UGE3G3SD	U2G02TSM	U2G0351M		
0	2671	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G3SD	U2G02TSM	U3G0251M		
0	2672	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE3G03M	UGE3G2SD	U2G02TSM	U2G0351M		
0	2673	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G2SD	U2G02TSM	U3G0351M		
0	2674	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G3SD	U2G03TSM	U3G0251M		
0	2675	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G02M	UGE3G03M	U2G0251M		
0	2676	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G03M	U3G0251M		
0	2677	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE2G03M	UGE3G02M	U3G0351M		
0	2678	LOOP	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03M	U2G0351M		
0	2679	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02M	UGE3G03S	U2G03TSM	
0	2680	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	U3G03TSM	
0	2681	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G02M	UGE3G03S	U2G02TSM	
0	2682	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	U3G02TSM	

0	2683	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G02S	UGE3G03M	U2G03TSM
0	2684	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G02S	UGE3G03M	U2G02TSM
0	2685	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	U3G02TSM
0	2686	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	U3G03TSM
0	2687	LOOP	LPT0140M	NROSP51M	NR3D251M	NR3D351M	UGE2G03M	UGE3G02S	UGE3G03S	U2G02TSM
0	2688	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	U3G03TSM
0	2689	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	U3G02TSM
0	2690	LOOP	LPT0140M	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE3G02S	UGE3G03S	U2G03TSM
0	2691	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE3G03R	UGE3G2SD	UG2G03M		
0	2692	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE3G02R	UGE3G3SD	UG2G03M		
0	2693	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02R	UGE3G02M	UGE3G3SD		
0	2694	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02R	UGE3G03M	UGE3G2SD		
0	2695	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03R	UGE3G03M	UGE3G2SD		
0	2696	LOOP	LPT0140M	NROSP51M	UCB0413N	UGE2G03R	UGE3G02M	UGE3G3SD		
0	2697	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M	UGE3G03R	UGE3G2SD		
0	2698	LOOP	LPT0140M	NROSP51M	UCB0613N	UGE2G02M	UGE3G02R	UGE3G3SD		
0	2699	LOOP	LOPORFIL	NROSP51M	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	2700	LOOP	NROSP51M	SEALFAIL	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	2701	LOOP	LOPORFIL	NROSP51M	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	2702	LOOP	NROSP51M	SEALFAIL	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	2703	LOOP	LOPORFIL	NROSP51M	UGE2G02M	U2G03TSM	U3G02TSM	U3G03TSM		
0	2704	LOOP	LOPORFIL	NROSP51M	UGE2G03M	U2G02TSM	U3G02TSM	U3G03TSM		
0	2705	LOOP	NROSP51M	SEALFAIL	UGE3G02M	U2G02TSM	U2G03TSM	U3G03TSM		
0	2706	LOOP	NROSP51M	SEALFAIL	UGE3G03M	U2G02TSM	U2G03TSM	U3G02TSM		
0	2707	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02R	UGE3G02S	UGE3G03S	UG2G03M
0	2708	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02R	UGE3G03S	UG2G03M
0	2709	CRV0003O	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	2710	CRV0003O	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	2711	CRV0003O	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03S	UGE3G2SD	UG2G03M

0	2712	CRV00030	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD	
0	2713	CRV00030	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD	
0	2714	CRV00030	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD	
0	2715	CRV00030	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD	
0	2716	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD				
0	2717	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G3SD				
0	2718	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02R			
0	2719	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G03R			
0	2720	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G02R	UGE3G03M	UG2G03M			
0	2721	LOOP	LPT0140R	NROSP51M	UGE2G02M	UGE3G02M	UGE3G03R	UG2G03M			
0	2722	LOOP	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M	UGE3G03M	UG2G03M			
0	2723	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	UGE3G3SD	U2G0351M	
0	2724	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	UGE3G3SD	U2G0251M	
0	2725	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S	UGE3G3SD	UG2G03M		
0	2726	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	NR3D251M	UGE2G02S	UGE2G03S	UGE3G02S	UGE3G3SD
0	2727	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	NR3D351M	UGE2G02S	UGE2G03S	UGE3G03S	UGE3G2SD
0	2728	EFAS1CCF	EFAS2CCF	KOPEFAS	LOOP						
0	2729	CRV00030	LOOP	LPM0504R	UCB0404N						
0	2730	CRV00030	LOOP	LPM0141R	LPM0504S						
0	2731	CRV00030	LOOP	LPM0141R	UCB0603N						
0	2732	CRV00030	LOOP	LPM0141S	LPM0504R						
0	2733	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM		
0	2734	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM		
0	2735	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM		
0	2736	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM		
0	2737	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE3G03S	UGE3G2SD	U2G02TSM	U2G03TSM		
0	2738	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM		
0	2739	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM		
0	2740	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM		

0	2741	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
0	2742	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE3G02S	UGE3G3SD	U2G02TSM	U2G03TSM
0	2743	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
0	2744	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
0	2745	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	UGE3G03M	U2G0290M	
0	2746	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	UGE3G02M	U2G0390M	
0	2747	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	
0	2748	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE3G03S	UG2G03M	
0	2749	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	
0	2750	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	
0	2751	LOOP	LPT0140M	NROSP51M	UGE3G2SD	UGE3G3SD	U2G02TSM	U2G0351M	
0	2752	LOOP	LPT0140M	NROSP51M	UGE3G2SD	UGE3G3SD	U2G0251M	U2G03TSM	
0	2753	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM
0	2754	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM
0	2755	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM
0	2756	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	UGE3G03M	U2G02TSM
0	2757	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM
0	2758	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	UGE3G03M	U2G03TSM
0	2759	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G02M	U3G03TSM
0	2760	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE2G03M	UGE3G03M	U3G02TSM
0	2761	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM
0	2762	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM
0	2763	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM
0	2764	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE3G02S	UGE3G03M	U2G03TSM
0	2765	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM
0	2766	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	UGE3G03M	U2G02TSM
0	2767	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G03M	U3G02TSM
0	2768	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G02M	UGE2G03S	UGE3G02M	U3G03TSM
0	2769	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM

0	2770	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM	
0	2771	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM	
0	2772	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE2G03M	UGE3G03S	U3G02TSM	
0	2773	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE3G02M	UGE3G03S	U2G03TSM	
0	2774	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE2G03M	UGE3G02S	U3G03TSM	
0	2775	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM	
0	2776	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G03M	UGE3G02M	UGE3G03S	U2G02TSM	
0	2777	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G2SD	U3G0351M		
0	2778	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE2G03M	UGE3G3SD	U3G0251M		
0	2779	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G02M	UGE3G3SD	U2G0251M		
0	2780	LOOP	LPT0140M	NROSP51M	UGE2G03M	UGE3G03M	UGE3G2SD	U2G0251M		
0	2781	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G03M	UGE3G2SD	U2G0351M		
0	2782	LOOP	LPT0140M	NROSP51M	UGE2G02M	UGE3G02M	UGE3G3SD	U2G0351M		
0	2783	LOOP	LPT0140M	NROSP51M	UFTAX51M	UGE2G02R	UGE3G03M	UG2G03M		
0	2784	LOOP	LOPORFIL	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	2785	LOOP	LOPORFIL	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD
0	2786	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	2787	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	2788	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03S	UGE3G2SD	UG2G03M
0	2789	LOOP	NROSP51M	NR2D251M	NR3D251M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G02S	UGE3G3SD
0	2790	LOOP	NROSP51M	NR2D251M	NR3D351M	SEALFAIL	UGE2G02S	UGE2G03M	UGE3G03S	UGE3G2SD
0	2791	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	2792	LOOP	LOPORFIL	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	2793	LOOP	NROSP51M	NR2D251M	NR2D351M	SEALFAIL	UGE2G02S	UGE2G03S	UGE3G03M	UGE3G2SD
0	2794	LOOP	NROSP51M	NR2D251M	NR2D351M	SEALFAIL	UGE2G02S	UGE2G03S	UGE3G02M	UGE3G3SD
0	2795	LOOP	NROSP51M	NR2D351M	NR3D251M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G02S	UGE3G3SD
0	2796	LOOP	NROSP51M	NR2D351M	NR3D351M	SEALFAIL	UGE2G02M	UGE2G03S	UGE3G03S	UGE3G2SD

CPU TIME FOR RUN 202.056 SEC

SYSTEM RELIABILITY W/ DG CROSS-TIE

** BASIC EVENT OPTIONS USED **

BIRNBAUM	CRITICALITY	UPGRADING FUNCTION	FUSSELL-VESELY	INITIATOR (BARLOW-PROSCHAN)	ENABLER (CONTRIBUTORY)	STRUCTURAL
NO	NO	NO	YES	NO	NO	NO

** MIN CUT SET OPTIONS USED **

INITIATOR (BARLOW-PROSCHAN)	FUSSELL-VESELY
NO	YES

****

INFORMATION ON DETAILED CUT SET OUTPUT -- NM =100 AND FACTOR =0.100E-01

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

** BASIC EVENT DATA **

BASIC EVENT NAME	PROBABILITY		ERROR FACTOR	DISTRIBUTION	DESCRIPTION
CRV0003J	0.110E-02	MEAN	3.0	LOGNORMAL	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
EFAS1CCF	0.890E-03	MEAN	10.0	LOGNORMAL	2-XE-EFAS 1 COMMON CAUSE FAILURE
EFAS2CCF	0.890E-03	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2 COMMON CAUSE FAILURE
IBCB001H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B001 FAILS TO OPERATE
IBCB002H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B002 FAILS TO OPERATE
IBCB003H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B003 FAILS TO OPERATE
IBCB004H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-CHARGER B004 FAILS TO OPERATE
IBEB009H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B009 UNAVAILABLE AT T=0
IBJB010H	0.240E-04	MEAN	3.0	LOGNORMAL	2-DC-BATTERY B010 UNAVAILABLE AT T=0
IBSD1P1H	0.240E-06	MEAN	3.0	LOGNORMAL	2-U-BUS D1P1 FAILS
IBSD2P1	0.240E-06	MEAN	3.0	LOGNORMAL	2-U-BUS D2P1 FAILS
IBSD2P2H	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D2P2

IBSD3[illegible]	3.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D3P1
IBSD4P1M	0.240E-06	MEAN	3.0	LOGNORMAL	2-DC-OPEN OR SHORT CKT ON DC BUS D4P1
IBYL007M	0.24[illegible]	[illegible]	3.0	LOGNORMAL	2-DC-BATTERY B007 UNAVAILABLE AT T=0
IBYB006M	[illegible]	[illegible]	3.0	LOGNORMAL	2-DC-BATTERY B006 NOT AVAIL T=0
IBZB008M	0[illegible]	[illegible]	3.0	LOGNORMAL	2-DC-BATTERY B008 UNAVAILABLE AT T=0
ICA48BEN	[illegible]	[illegible]EAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48BJM	[illegible]	[illegible]EAN	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48B7M	[illegible]	[illegible]	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICA48BZN	[illegible]	[illegible]	10.0	LOGNORMAL	2-DC-OPEN OR SHRT CKT IN PWR CABLE FROM 480V
ICBY1100	0.300E-04	[illegible]EAN	10.0	LOGNORMAL	2-AFMS-CB Y0110 TO CV 4763 FAILS OPEN
ICBY2100	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB Y0210 TO CV 4762 FAILS OPEN
ICB1D105	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB D105 TO PUMP P141 FAILS OPEN
ICB1P101	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB 1P101 TO PUMP P141 FAILS OPEN
ICB2D105	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BKR D105 TO CV 4705 FAILS OPEN
ICB2D203	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB D203 TO PUMP P504 FAILS OPEN
ICB2D205	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BRKR D205 TO CV 4706 FAILS OPEN
ICB2P101	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB 2D2P101 TO PUMP P504 FAILS OPEN
ICB3P106	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BKR D3P106 TO CV 4716 FAILS OP
IIV0001X	0.240E-02	MEAN	3.0	LOGNORMAL	2-DC-INVERTER Y001 FAILS TO OPERATE
IIV0002X	0.240E-02	MEAN	3.0	LOGNORMAL	2-DC-INVERTER Y002 FAILS TO OPERATE
JIVTHIGH	0.170E+00	MEAN	10.0	LOGNORMAL	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
JIVTLOW	0.830E-00	MEAN	10.0	LOGNORMAL	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
KEFAS1A	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 1A SIGNAL FAILURE
KEFAS1B	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 1B SIGNAL FAILURE
KEFAS2A	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2A SIGNAL FAILURE
KEFAS2B	0.520E-04	MEAN	10.0	LOGNORMAL	2-KE-EFAS 2B SIGNAL FAILURE
KLOPBUV	0.100E-02	MEAN	10.0	LOGNORMAL	2-KLOP-OP FAILS TO START DIESELS
KLOV1	0.200E-02	MEAN	10.0	LOGNORMAL	2-LOV SIGNAL TO DG #1 FAILS
KLOV2	0.200E-02	MEAN	10.0	LOGNORMAL	2-LOV SIGNAL TO DG #2 FAILS

KLOV3	0.200E-02	MEAN	10.0	LOGNORMAL	3-LOV SIGNAL TO UNIT 3 DG #3 FAILS
KLOV9	0.200E-02	MEAN	10.0	LOGNORMAL	3-KLOV-LOVSIGNAL TO UNIT 3 DG#2 FAILS
KOPEFAS	0.300E-02	MEAN	3.0	LOGNORMAL	2-EFAS-OPERATOR FAILS TO MANUALLY ACTUATE
LAV8200Q	0.130E-03	MEAN	10.0	LOGNORMAL	2-AFWS-AIR OPERATED VLVE 8200 N.O. FAILS CLOSE
LAV8201Q	0.130E-03	MEAN	10.0	LOGNORMAL	2-AFWS-AIR OPERATED VLVE 8201 N.O. FAILS CLOSE
LCV0003P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV003 FAILS TO OPEN
LCV0005P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CK VLVE CV005 FAILS TO OPEN
LCV0121F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV121 FAILS DUE TO LEAKAGE
LCV0121P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV121 FAILS TO OPEN
LCV0126P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV126 FAILS TO OPEN
LCV0126F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV126 FAILS DUE TO LEAKAGE
LCV0126P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV126 FAILS TO OPEN
LCV0448P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV448 FAILS TO OPEN
LCV0532F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV532 FAILS DUE TO LEAKAGE
LCV0532P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV532 FAILS TO OPEN
LCV0547F	0.120E-04	MEAN	100.0	LOGNORMAL	2-AFWS-CHECK VALVE CV547 FAILS DUE TO LEAKAGE
LCV0547P	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-CHECK VALVE CV547 FAILS TO OPEN
LFLOWDIV	0.400E-07	MEAN	10.0	LOGNORMAL	2-AFWS-FLOW DIVERSION TO MFW SYSTEM
LMV4705M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4705 LEFT CLOSED AFT MAINT
LMV4705P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VLVE 4705 FAILS TO OPEN-RAN CAU
LMV4705R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4705 FAILS ON SUBSEQUENT DEMANDS
LMV4706M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4706 LEFT CLOSED AFT MAIN
LMV4706P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4706 FAILS TO OPEN-RAND C
LMV4706R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4706 FAILS ON SUBSEQUENT DEMANDS
LMV4712M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4712 FAILS CLOSED DUE PM
LMV4712P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4712 FAILS TO OPEN DUE RC
LMV4712R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFWS-4712 FAILS ON SUBSEQUENT DEMANDS
LMV4713M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4713 FAILS CLOSED DUE PM
LMV4713P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFWS-CONTROL VALVE 4713 FAILS TO OPEN DUE RC

LMV4713R	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONT VLV 4713 FAILS ON SUBSEQUENT DEMAN
LMV4714M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4714 FAILS CLOSED DUE PM
LMV4714P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4714 FAILS TO OPEN DUE RC
LMV4715M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4715 FAILS CLOSED DUE PM
LMV4715P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4715 FAILS TO OPEN DUE RC
LMV4716M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VLVE 4716 LEFT CLOSED AFT MAINT
LMV4716P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAL
LMV4730M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4730 FAILS CLOSED DUE PM
LMV4730P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4730 FAILS TO OPEN DUE RC
LMV4731M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4731 FAILS CLOSED DUE PM
LMV4731P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4731 FAILS TO OPEN DUE RC
LMV4762M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4763 FAILS CLOSED DUE PM
LMV4762P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4762 FAILS TO OPEN DUE RC
LMV4763M	0.250E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4763 FAILS CLOSED DUE PM
LMV4763P	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-CONTROL VALVE 4763 FAILS TO OPEN DUE RC
LOOP	0.450E-01	MEAN	3.0	LOGNORMAL	2-ZC-LOSS OF OFFSITE POWER
LOOPC	0.100E-02	MEAN	10.0	LOGNORMAL	2-U-CONDITIONAL LOSP TURB TRIP
LOPCROSV	0.250E+00	MEAN	10.0	LOGNORMAL	2-AFMS-OPERATORS DO NOT ESTAB SYS CROSS CONN
LOPMDISC	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
LOPORFIL	0.100E-02	MEAN	10.0	LOGNORMAL	2-AFMS-OPERATORS OVERFILL STM GENERATORS
LOP4762X	0.300E-02	MEAN	3.0	LOGNORMAL	2-AFMS-OPERATOR FAILS TO OPEN VALVE 4762
LOP4763X	0.300E-02	MEAN	3.0	LOGNORMAL	2-AFMS-OPERATOR FAILS TO OPEN VALVE 4763
LPM0141M	0.370E-02	MEAN	10.0	LOGNORMAL	2-AFMS-PUMP 141 DOWN DUE TO MAINTENANCE
LPM0141R	0.720E-03	MEAN	10.0	LOGNORMAL	2-AFMS-P141 FAILS TO RUN FOR 24 HRS
LPM0141S	0.30JE-02	MEAN	10.0	LOGNORMAL	2-AFMS-PUMP 141 FAILS TO START
LPM0504M	0.370E-02	MEAN	10.0	LOGNORMAL	2-AFMS-PUMP 504 DOWN DUE TO MAINTENANCE
LPM0504R	0.720E-03	MEAN	10.0	LOGNORMAL	2-AFMS-P504 FAILS TO RUN FOR 24 HRS
LPM0504S	0.500E-02	MEAN	10.0	LOGNORMAL	2-AFMS-PUMP 504 FAILS TO START
LPT0140M	0.37JE-02	MEAN	10.0	LOGNORMAL	2-AFMS-PUMP P140 OOC DUE TO MAINT

LPT0140P	0.240E-03	MEAN	3.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN FOR 24 HRS
LPT0140S	0.300E-01	MEAN	10.0	LOGNORMAL	L-AFW PUMP P140 FAILS TO START
LPT0140Y	0.2 0E+00	MEAN	10.0	LOGNORMAL	LA-NONRECOVERY OF AFW PMP P140
LPT0140R	0.24 E-03	MEAN	3.0	LOGNORMAL	2-AFWS-PUMP P140 FAILS TO RUN
LSV4714P	0.100E-02	MEAN	3.0	LOGNORMAL	2-AFWS-SOL VLV 4714 FAILS TO OPEN
LSV4731P	0.100E-02	MEAN	3.0	LOGNORMAL	2-AFWS-SOL VLV 4731 FAILS TO OPEN
LTKCONDH	0.100E-07	MEAN	10.0	LOGNORMAL	2-AFWS-CONDENSATE STORAGE TANK SUPPLY UNAVAIL.
LXV0122X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V122 LEFT CLOSED AFT MAINT
LXV0123X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V123 LEFT CLOSED AFT MAINT
LXV0125X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V125 LEFT CLOSED AFT MAIN
LXV0127X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V127 LEFT CLOSED AFT MAINT
LXV0128X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V128LEFT CLOSED AFT MAIN
LXV0130X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V130 LEFT CLOSED AFT MAIN
LXV0131X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V131LEFT CLOSED AFT MAIN
LXV0133X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V133 LEFT CLOSED AFT MAIN
LXV0134X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V134 LEFT CLOSED AFT MAINT
LXV0136X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V136 LEFT CLOSED AFT MAINT
LXV0152X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V152 LEFT CLOSED AFT MAIN
LXV0153X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V153 LEFT CLOSED AFT MAIN
LXV0154X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V154 LEFT CLOSED AFT MAIN
LXV0468X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V468 LEFT CLOSED AFT MAIN
LXV0469X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V469 LEFT CLOSED AFT MAIN
LXV0471X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLVE V471 LEFT CLOSED AFT MAINT
LXV0533X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MAN VLV 533 LEFT CLO AFT MAINT
LXV0538X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V338 LEFT CLOSED AFT MAIN
LXV0542X	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V542 LEFT CLOSED AFT MAIN
LXV0553X	0.100E-03	MEAN	10.0	LOGNORMAL	2-AFWS-MANUAL VALVE V553 LEFT CLOSED AFT MAIN
LXV471AX	0.100E-03	MEAN	3.0	LOGNORMAL	2-AFWS-MANUAL VALVE V471A LEFT CLOSED AFT MAIN
NROSP2.0	0.140E+00	MEAN	3.0	LOGNORMAL	2-UC-NO OFFSITE PWR AT 2.0 HRS

NROSP3.0	0.900E-01	MEAN	3.0	LOGNORMAL	2-UD-NO OFFSITE PWR AT 3.0 HRS
NROSP4.0	0.700E-01	MEAN	3.0	LOGNORMAL	2-UE-NO OFFSITE PWR AT 4.0 HRS
NROSP51M	0.350E+00	MEAN	3.0	LOGNORMAL	2-U-NO OFFSITE PWR BY T=51 MIN
NROSP7.5	0.200E-01	MEAN	3.0	LOGNORMAL	2-UF-NO OFFSITE PWR AT 7.5 HRS
NROSP90M	0.200E+00	MEAN	3.0	LOGNORMAL	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D22.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UC-NO REPAIR DG 2G002:2.0 HRS
NR2D23.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UD-NO REPAIR DG 2G002:3.0 HRS
NR2D24.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D251M	0.940E+00	MEAN	10.0	LOGNORMAL	2-U-DG 2G002 NO REPAIR BY T=51
NR2D27.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D290M	0.890E+00	MEAN	10.0	LOGNORMAL	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D32.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UC-NO REPAIR DG 2G003:2.0 HRS
NR2D33.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UD-NO REPAIR DG 2G003:3.0 HRS
NR2D34.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR2D351M	0.940E+00	MEAN	10.0	LOGNORMAL	2-U-NO REPAIR 2G003 T=51 MIN
NR2D37.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR2D390M	0.890E+00	MEAN	10.0	LOGNORMAL	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D22.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UC-NO REPAIR 3G002 BY 2.0 HRS
NR3D23.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UD-NO REPAIR 3G002 BY 3.0 HRS
NR3D24.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D251M	0.940E+00	MEAN	10.0	LOGNORMAL	2-UA-NO REPAIR 3G002 BY 51 MIN
NR3D27.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3D290M	0.890E+00	MEAN	10.0	LOGNORMAL	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D32.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UC-NO REPAIR G3003 BY 2.0 HRS
NR3D33.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UD-NO REPAIR 3G003 BY 3.0 HRS
NR3D34.0	0.100E+01	MEAN	10.0	LOGNORMAL	2-UE-NO REPAIR G3003 BY 4.0 HRS
NR3D351M	0.940E+00	MEAN	10.0	LOGNORMAL	2-UA-NO REPAIR 3G003 BY 51 MIN
NR3D37.5	0.100E+01	MEAN	10.0	LOGNORMAL	2-UF-NO REPAIR 3G003 BY 7.5 HRS
NR3D390M	0.890E+00	MEAN	10.0	LOGNORMAL	2-UB-NO REPAIR 3G003 BY 90 MIN

RCPFAIL	0.100E+00	MEAN	10.0	LOGNORMAL	2-ZC-RCP SEALS FAIL GIVEN NO BLEEDOFF ISOL
SEALFAIL	0.100E-02	MEAN	10.0	LOGNORMAL	2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL
SEALMISO	0.100E-02	MEAN	10.0	LOGNORMAL	2-ZC-SEALS FAIL GIVEN BLEEDOFF ISOL
UBSZABEH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BE
UBSZABJH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BJ
UBSZABRA	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BRA
UBSZABRB	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BRB
UBSZABYH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BY
UBSZABZH	0.240E-06	MEAN	3.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CKT ON BUS BZ
UBSZA04H	0.240E-06	MEAN	3.0	LOGNORMAL	2-U-OPEN/SHORT CIRCUIT ON 2A04
UBSZA06H	0.240E-06	MEAN	3.0	LOGNORMAL	2-U-OPEN/SHORT CIRCUIT ON 2A06
UBSZB04H	0.240E-06	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2B04
UBSZB06H	0.240E-06	MEAN	10.0	LOGNORMAL	2-ONAC-OPEN OR SHORT CIRCUIT ON BUS 2B06
UCAG002A	0.790E-04	MEAN	10.0	LOGNORMAL	2-U-BREAK/SHORT IN POWER CABLE
UCAG003A	0.790E-04	MEAN	10.0	LOGNORMAL	2-U-BREAK/SHORT IN PWR CABLE
UCBBE06O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BRKR BE06 TO CV 471[illegible] FAILS OPEN
UCBBE36O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BRKR BE36 TO CV 4761 FAILS OPE
UCBBRA05	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB 2BRA05 TO CV 4762 FAILS OPEN
UCBBRB05	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CB 2BRB05 TO CV 4762 FAILS OPEN
UCBBZ04O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BRKR BZ04 TO CV 4712 FAILS OPEN
UCBBZ21O	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-CIRCUIT BRKR BZ21 TO CV 4714 FAILS OPEN
UCB0404N	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-BREAKER 2A0404 FAILS TO CLOSE DUE TO RC
UCB0413N	0.300E-02	MEAN	10.0	LOGNORMAL	2-U-CB 2A0413 FAILS TO CLOSE
UCB0603N	0.300E-02	MEAN	10.0	LOGNORMAL	2-AFMS-BREAKER 2A0603 FAILS TO CLOSE DUE TO RC
UCB0613N	0.300E-02	MEAN	10.0	LOGNORMAL	2-U-CB 2A0613 FAILS TO CLOSE
UFTACBN	0.600E-04	MEAN	10.0	LOGNORMAL	2-UC-CROSS CONNECT BRKR FAILS
UFTARE4K	0.300E-03	MEAN	10.0	LOGNORMAL	2-U-CIRCUITRY FAILS-NO 3A04 TIE
UFTARE6K	0.300E-03	MEAN	10.0	LOGNORMAL	2-U-CIRCUITRY FAILS-NO 3A06 TIE
UFTAR6K	0.300E-03	MEAN	10.0	LOGNORMAL	2-U-CIRCUITRY FAILS-NO 3A06 TIE

UFTAX2.0	0.500E-02	MEAN	10.0	LOGNORMAL	2-UC-OPRTR FAILS TO TIE:2.0 HRS
UFTAX3.0	0.500E-02	MEAN	10.0	LOGNORMAL	2-UD-OPRTR FAILS TO TIE:3.0 HRS
UFTAX4.0	0.500E-02	MEAN	10.0	LOGNORMAL	2-UE-OPRTR FAILS TO TIE:4.0 HRS
UFTAX5IM	0.500E-02	MEAN	10.0	LOGNORMAL	2-U-OPRTR FAILS TO CROSS-TIE
UFTAX7.5	0.500E-02	MEAN	10.0	LOGNORMAL	2-UF-OPRTR FAILS TO TIE:7.5 HRS
UFTAX90M	0.500E-02	MEAN	10.0	LOGNORMAL	2-UB-OPRTR FAILS TO TIE:90 MIN
UGE2G02M	0.160E+00	MEAN	10.0	LOGNORMAL	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G02R	0.550E-01	MEAN	10.0	LOGNORMAL	2-U-2G002 FAILS TO RUN 24 HRS
UGE2G02S	0.250E-01	MEAN	10.0	LOGNORMAL	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	MEAN	10.0	LOGNORMAL	2-UD-DG 2G003 DOWN SCHED MAINT
UGE2G03R	0.550E-01	MEAN	10.0	LOGNORMAL	2-U-DG 2G003 NOT RUN 24 HRS
UGE2G03S	0.250E-01	MEAN	10.0	LOGNORMAL	2-UF-DG 2G003 FAILS TO START
UGE3G02M	0.160E+00	MEAN	10.0	LOGNORMAL	2-UB-DG 3G002 DOWN-SCHED MAINT
UGE3G02R	0.550E-01	MEAN	10.0	LOGNORMAL	2-U-DG 3G002 NOT RUN 24 HRS
UGE3G02S	0.250E-01	MEAN	3.0	LOGNORMAL	2-UA-DG 3G002 FAILS TO START
UGE3G03M	0.160E+00	MEAN	10.0	LOGNORMAL	2-U-DG 3G003 DOWN-SCHED MAINT
UGE3G03R	0.550E-01	MEAN	10.0	LOGNORMAL	2-U-DG 3G003 NOT RUN 24 HRS
UGE3G03S	0.250E-01	MEAN	3.0	LOGNORMAL	2-UE-DG 3G003 FAILS TO START
UGE3G2SD	0.150E+00	MEAN	10.0	LOGNORMAL	2-UB-DG 3G002 SHUTDOWN MAINT
UGE3G3SD	0.150E+00	MEAN	10.0	LOGNORMAL	2-UF-3G003 SHUTDOWN MAINT
UOPLSHED	0.300E-02	MEAN	10.0	LOGNORMAL	2-OPERATOR FAILS TO LOAD SHED AT T=1 HOUR
U2G02TSM	0.450E-01	MEAN	3.0	LOGNORMAL	2-U-DG2G02 DOWN DUE TO UNSCH MAINT
U2G022.0	0.460E-02	MEAN	10.0	LOGNORMAL	2-UC-2G002 FAILS TO RUN:2.0 HRS
U2G023.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-UD-2G002 FAILS TO RUN:3.0 HRS
U2G024.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-UE-2G002 FAILS TO RUN:4.0 HRS
U2G0251M	0.190E-02	MEAN	10.0	LOGNORMAL	2-UA-2G002 FAILS TO RUN:51 MIN
U2G027.5	0.870E-01	MEAN	10.0	LOGNORMAL	2-UF-2G002 FAILS TO RUN:7.5 HRS
U2G0290M	0.350E-02	MEAN	10.0	LOGNORMAL	2-UB-2G002 FAILS TO RUN:90 MIN
U2G03TSM	0.450E-01	MEAN	3.0	LOGNORMAL	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

U2G032.0	0.460E-02	MEAN	10.0	LOGNORMAL	2-UC-2G003 FAILS TO RUN:2.0 HRS
U2G033.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-UD-2G003 FAILS TO RUN:3.0 HRS
U2G034.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-UE-2G003 FAILS TO RUN:4.0 HRS
U2G0351M	0.190E-02	MEAN	10.0	LOGNORMAL	2-UA-2G003 FAILS TO RUN:51 MIN
U2G037.5	0.170E-01	MEAN	10.0	LOGNORMAL	2-UF-2G003 FAILS TO RUN:7.5 HRS
U2G0390M	0.350E-02	MEAN	10.0	LOGNORMAL	2-UB-2G003 FAILS TO RUN:90 MIN
U3G02TSM	0.450E-01	MEAN	3.0	LOGNORMAL	2-U-DG3G02 DOWN DUE TO UNSCH MAINT
U3G022.0	0.463E-02	MEAN	10.0	LOGNORMAL	2-UC-DG 3G002 NOT RUN 2.0 HRS
U3G023.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-UD-DG 3G002 NOT RUN 3.0 HRS
U3G024.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-UE-DG 3G002 NOT RUN 4.0 HRS
U3G0251M	0.190E-02	MEAN	10.0	LOGNORMAL	2-UA-DG 3G002 NOT RUN 51 MIN
U3G027.5	0.170E-01	MEAN	10.0	LOGNORMAL	2-UF-DG 3G002 NOT RUN 7.5 HRS
U3G0290M	0.350E-02	MEAN	10.0	LOGNORMAL	2-UB-DG 3G002 NOT RUN 90 MIN
U3G03TSM	0.450E-01	MEAN	3.0	LOGNORMAL	2-U-DG3G03 DOWN DUE TO UNSCH MAINT
U3G032.0	0.460E-02	MEAN	10.0	LOGNORMAL	2-UC-DG 3G003 NOT RUN 2.0 HRS
U3G033.0	0.690E-02	MEAN	10.0	LOGNORMAL	2-UD-DG 3G003 NOT RUN 3.0 HRS
U3G034.0	0.920E-02	MEAN	10.0	LOGNORMAL	2-UE-DG 3G003 NOT RUN 4.0 HRS
U3G0351M	0.190E-02	MEAN	10.0	LOGNORMAL	2-UA-DG 3G003 NOT RUN 51 MIN
U3G037.5	0.170E-01	MEAN	10.0	LOGNORMAL	2-UF-DG 3G003 NOT RUN 7.5 HRS
U3G0390M	0.350E-02	MEAN	10.0	LOGNORMAL	2-UB-DG 3G003 NOT RUN 90 MIN
ZCSEALOP	0.100E-01	MEAN	10.0	LOGNORMAL	2-ZC-OPERATORS FAIL TO ISOL BLEEDOFF
DG2/1S	0.120E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
DG4/123S	0.500E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02
DG4/12S	0.250E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
DG3/1S	0.120E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
DG3/2S	0.120E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/23S	0.250E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02

DG4/1S	0.120E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
DG4/2S	0.120E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
DG4/3S	0.120E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
DG2/1R	0.150E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN GIVEN DG 2G02 FAILURE
DG3/12R	0.280E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN GIVEN DGS 2G02 & 2G03
DG4/123R	0.500E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN 2G02 2G03,3G02
DG4/12R	0.280E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN TO RUN GIVEN 2G02,03
DG3/1R	0.150E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN GIVEN DG 2G02
DG4/13R	0.280E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN 2G02 & 3G02
DG3/2R	0.150E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN GIVEN 2G03
DG4/23R	0.280E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN 2G03 & 3G02
DG4/1R	0.150E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN DG 2G02
DG4/2R	0.150E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN 2G03
DG4/3R	0.150E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN GIVEN 3G02
2/151M	0.230E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL
3/1251M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 51MIN GIVEN 2G02,2G03
4/12351M	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G2,3,3G2
4/1251M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G2,2G3
3/151M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 51MIN GIVEN 2G02 FAIL
4/1351M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G2,3G2
3/251M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 51MIN GIVEN 2G03 FAIL
4/2351M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G3,3G2
4/151M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G02 FAIL
4/251M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 2G03 FAIL
4/351M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 51MIN GIVEN 3G02 FAIL
2/190M	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL
3/1290M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 90MIN GIVEN 2G2,2G3
4/12390M	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 2G2,3,3G2
4/1290M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 2G02,2G03

3/190M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 90MIN GIVEN 2G02 FAIL
4/1390M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 90MIN GIVEN 2G02,3G02
3/290M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 90MIN GIVEN 2G03 FAIL
4/2390M	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 2G03,3G02
4/190M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 2G02 FAIL
4/290M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 2G03 FAIL
4/390M	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 90MIN GIVEN 3G02 FAIL
2/12.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 2.0HR GIVEN 2G02 FAIL
3/122.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 2.0HR GIVEN 2G02,2G03
4/1232.0	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G2,3,3G2
4/122.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G02,2G03
3/12.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 2.0HR GIVEN 2G02 FAIL
4/132.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G02,3G02
3/22.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 2.0HR GIVEN 2G03 FAIL
4/232.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G03,3G02
4/12.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G02 FAIL
4/22.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 2G03 FAIL
4/32.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 2.0HR GIVEN 3G02 FAIL
2/13.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 3.0HR GIVEN 2G02 FAIL
3/123.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 3.0HR GIVEN 2G02,2G03
4/1233.0	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G2,3,3G2
4/123.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G02,2G03
3/13.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 3.0HR GIVEN 2G02 FAIL
4/133.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G02,3G02
3/23.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 3.0HR GIVEN 2G03 FAIL
4/233.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G03,3G02
4/13.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G02 FAIL
4/23.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 2G03 FAIL
4/33.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 3.0HR GIVEN 3G02 FAIL

2/14.0	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G02 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
3/124.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 4.0HR GIVEN 2G02,2G03
4/1234.0	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G2,3,3G2
4/124.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G02,2G03
3/14.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
4/134.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G02,3G02
3/24.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 4.0HR GIVEN 2G03 FAIL
4/234.0	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G03,3G02
4/14.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
4/24.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G03 FAIL
4/34.0	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 3G02 FAIL
2/17.5	0.100E+00	MEAN	5.3	LOGNORMAL	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
3/127.5	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03
4/1237.5	0.480E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G2,3,3G2
4/127.5	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03
3/17.5	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/137.5	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02
3/27.5	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL
4/237.5	0.230E+00	MEAN	5.0	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02
4/17.5	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/27.5	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL
4/37.5	0.100E+00	MEAN	5.3	LOGNORMAL	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 3G02 FAIL
504/141S	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS
140/MDSS	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFMS-P140 FAILS TO STRT GIVN 141&504 FAIL
140/141S	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFMS-P140 FAILS TO STRT GIVN 141 FAILS
140/504S	0.500E-01	MEAN	10.0	LOGNORMAL	2-AFMS-P140 FAILS TO STRT GIVN 504 FAIL
504/141R	0.100E+00	MEAN	10.0	LOGNORMAL	2-AFMS-P504 FAILS TO RUN GIVN 141 FAILS
140/MDSR	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFMS-P140 FAILS TO RUN GIVN 141&504 FAIL
140/141R	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFMS-P140 FAILS TO RUN GIVN 141 FAILS

140/594R	0.200E-01	MEAN	10.0	LOGNORMAL	2-AFWS-P140 FAILS TO RUN GIVN 504 FAILS
LVABCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MD FAIL OPEN HV-4705,06,12,13,15,30
LVABCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,13,15
LVABCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,13,30
LVABCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,12,15,30
LVABDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,06,13,15,30
LVACDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4705,12,13,15,30
LVBCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV4706,12,13,15,30
LVABCD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,13
LVABCE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,15
LVABCF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12,30
LVABDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13,15
LVABDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13,30
LVABEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,15,30
LVACDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13,15
LVACDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13,30
LVACEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,15,30
LVADEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,15,30
LVBCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13,15
LVBCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13,30
LVBCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,15,30
LVCDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,15,30
LVBDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,15,30
LVABC	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,12
LVABD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,13
LVABE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,15
LVABF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06,30
LVACD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,13
LVACE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,15

LVACF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12,30
LVADE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,15
LVADF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13,30
LVAEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,15,30
LVBCD	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,13
LVBCE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,15
LVBCF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,12,30
LVCDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,15
LVCDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,30
LVCEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,15,30
LVDEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,15,30
LVBDE	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,15
LVBDF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,13,30
LVBEF	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4706,15,30
LVDEG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,15,16
LVCFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,30,16
LVCDG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,13,16
LVEFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4715,30,16
LVDFG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,30,16
LVCEG	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,15,16
LVCG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4712,16
LVFG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4730,16
LVDG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4713,16
LVEG	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4715,16
LVAB	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,06
LVAC	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,12
LVAD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,13
LVAE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,15
LVAF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFWS-COM MODE FAIL TO OPEN HV-4705,30

LVBC	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4706,12
LVBD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4706,13
LVBE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4706,15
LVBF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4706,30
LVCD	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4712,13
LVCE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4712,15
LVCF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4712,30
LVDE	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4713,15
LVDF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4713,30
LVEF	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4715,30
LVJKLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,31,62,63
LVJKL	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,31,62
LVJKM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,31,63
LVJLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,62,63
LVKLM	0.300E-04	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4731,62,63
LVJK	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,31
LVJL	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,62
LVJM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4714,63
LVKL	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4731,62
LVKM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4731,63
LVLM	0.300E-03	MEAN	10.0	LOGNORMAL	2-AFMS-COM MODE FAIL TO OPEN HV-4762,63

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
1	LOOP	1.00	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
2	UGE2G02S	0.547	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
3	NROSP7.5	0.419	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
3	JIVTLOW	0.419	0.830	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
4	DG2/1S	0.381	0.120	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
5	DG3/12S	0.231	0.250	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
6	LOPMDISC	0.221	0.100	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
6	NROSP90M	0.221	0.200	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
7	NR2D37.5	0.216	1.00	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
7	NR2D27.5	0.216	1.00	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
8	JIVTHIGH	0.212	0.170	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
8	NROSP4.0	0.212	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
9	NR3D37.5	0.186	1.00	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
9	NR3D27.5	0.186	1.00	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
10	UGE2G03S	0.165	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
11	NR2D290M	0.161	0.890	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
11	NR2D390M	0.161	0.890	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
12	NR2D34.0	0.142	1.00	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
12	NR2D24.0	0.142	1.00	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
13	NR3D290M	0.136	0.890	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
13	NR3D390M	0.136	0.890	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
14	DG4/123S	0.128	0.500	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02
15	NR3D34.0	0.121	1.00	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
15	NR3D24.0	0.121	1.00	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
16	UGE2G02M	0.118	0.160	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT

16	UGE2G03M	0.118	0.160	10.0	LOGNORML 2-UD-DG 2G003 DOWN SCHED MAINT
17	UGE3G02M	0.116	0.160	10.0	LOGNORML 2-UB-DG 3G002 DOWN-SCHED MAINT
17	UGE3G03M	0.116	0.160	10.0	LOGNORML 2-U-DG 3G003 DOWN-SCHED MAINT
18	U2G03TSM	0.116	0.450E-01	3.00	LOGNORML 2-U-DG2G03 DOWN DUE TO UNSCH MAINT
18	U2G02TSM	0.116	0.450E-01	3.00	LOGNORML 2-U-DG2G02 DOWN DUE TO UNSCH MAINT
19	UGE3G3SD	0.109	0.150	10.0	LOGNORML 2-UF-3G003 SHUTDOWN MAINT
19	UGE3G2SD	0.109	0.150	10.0	LOGNORML 2-UB-DG 3G002 SHUTDWN MAINT
20	DG4/12S	0.102	0.250	5.00	LOGNORML 3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
21	U3G02TSM	0.101	0.450E-01	3.00	LOGNORML 2-U-DG3G02 DOWN DUE TO UNSCH MAINT
21	U3G03TSM	0.101	0.450E-01	3.00	LOGNORML 2-U-DG3G03 DOWN DUE TO UNSCH MAINT
22	U2G027.5	0.978E-01	0.170E-01	10.0	LOGNORML 2-UF-2G002 FAILS TO RUN:7.5 HRS
23	DG3/2S	0.951E-01	0.120	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO START GIVEN 2G03
24	DG3/1S	0.949E-01	0.120	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
25	LPT0140Y	0.866E-01	0.240	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
26	NROSP51M	0.787E-01	0.330	3.00	LOGNORML	2-U-NO OFFSITE PWR BY T=51 MIN
27	LPM0141S	0.641E-01	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
28	DG4/23S	0.594E-01	0.250	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02

28	DG4/13S	0.594E-01	0.250	5.00	LOGNORML 3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
29	504/141S	0.521E-01	0.100	10.0	LOGNORML 2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS
30	2/37.5	0.511E-01	0.100	5.30	LOGNORML 2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
31	U2G037.5	0.467E-01	0.170E-01	10.0	LOGNORML 2-UF-2G003 FAILS TO RUN:7.5 HRS
32	UGE3G02S	0.434E-01	0.250E-01	3.00	LOGNORML 2-UA-DG 3G002 FAILS TO START
33	LPT0140S	0.419E-01	0.300E-01	10.0	LOGNORML L-AFM PUMP P140 FAILS TO START
34	DG4/1S	0.357E-01	0.120	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
35	DG4/2S	0.355E-01	0.120	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO START GIVEN 2G03
36	NR2D351M	0.302E-01	0.940	10.0	LOGNORML 2-U-DG 2G002 NO REPAIR BY T=51
36	NR2D351M	0.302E-01	0.940	10.0	LOGNORML 2-U-NO REPAIR 2G003 T=51 MIN
37	140/MDSS	0.300E-01	0.500E-01	10.0	LOGNORML 2-AFMS-P140 FAILS TO STRT GIVN 141&504 FAIL
38	LPT0140M	0.274E-01	0.370E-02	10.0	LOGNORML 2-AFMS-PUMP P140 OOC DUE TO MAINT
39	DG4/3S	0.226E-01	0.120	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO START GIVEN 3G02
40	UGE3G03S	0.208E-01	0.250E-01	3.00	LOGNORML 2-UE-DG 3G003 FAILS TO START
41	3/27.5	0.207E-01	0.100	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL
42	LMV4716P	0.207E-01	0.300E-02	10.0	LOGNORML 2-AFMS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
43	3/17.5	0.206E-01	0.100	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
44	3/127.5	0.192E-01	0.230	5.00	LOGNORML 3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03
44	4/127.5	0.192E-01	0.230	5.00	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03
45	U3G027.5	0.189E-01	0.170E-01	10.0	LOGNORML 2-UF-DG 3G002 NOT RUN 7.5 HRS
46	NR3D351M	0.185E-01	0.940	10.0	LOGNORML 2-UA-NO REPAIR 3G003 BY 51 MIN
46	NR3D251M	0.185E-01	0.940	10.0	LOGNORML 2-UA-NO REPAIR 3G002 BY 51 MIN
47	U2G024.0	0.161E-01	0.920E-02	10.0	LOGNORML 2-UE-2G002 FAILS TO RUN:4.0 HRS
48	U3G037.5	0.124E-01	0.170E-01	10.0	LOGNORML 2-UF-DG 3G003 NOT RUN 7.5 HRS
49	UGE2G02R	0.124E-01	0.550E-01	10.0	LOGNORML 2-U-2G002 FAILS TO RUN 24 HRS
49	UGE2G03R	0.124E-01	0.550E-01	10.0	LOGNORML 2-U-DG 2G003 NOT RUN 24 HRS
50	LPM0504S	0.121E-01	0.300E-02	10.0	LOGNORML 2-AFMS-PUMP 504 FAILS TO START
51	U2G034.0	0.117E-01	0.920E-02	10.0	LOGNORML 2-UE-2G003 FAILS TO RUN:4.0 HRS
52	4/137.5	0.111E-01	0.230	5.00	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02

52	4/237.5	0.111E-01	0.230	5.00	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02
53	UCB0404N	0.107E-01	0.300E-02	10.0	LOGNORML 2-AFWS-BREAKER 2A0404 FAILS TO CLOSE DUE TO RC
53	UCB0603N	0.107E-01	0.300E-02	10.0	LOGNORML 2-AFWS-BREAKER 2A0603 FAILS TO CLOSE DUE TO RC
54	4/17.5	0.965E-02	0.100	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
55	4/27.5	0.966E-02	0.100	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
56	UFTAX7.5	0.898E-02	0.500E-02	10.0	LOGNORML	2-UF-OPRTR FAILS TO TIE:7.5 HRS
57	LPM0504M	0.782E-02	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP 504 DOWN DUE TO MAINTENANCE
57	LPM0141M	0.782E-02	0.370E-02	10.0	LOGNORML	2-AFWS-PUMP 141 DOWN DUE TO MAINTENANCE
58	140/504S	0.733E-02	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 504 FAIL
58	140/141S	0.733E-02	0.500E-01	10.0	LOGNORML	2-AFWS-P140 FAILS TO STRT GIVN 141 FAILS
59	4/37.5	0.651E-02	0.100	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 3G02 FAIL
60	LPM0141R	0.646E-02	0.720E-03	10.0	LOGNORML	2-AFWS-P141 FAILS TO RUN FOR 24 HRS
61	CRV0003O	0.626E-02	0.110E-02	3.00	LOGNORML	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
62	U3G024.0	0.615E-02	0.920E-02	10.0	LOGNORML	2-UE-DG 3G002 NOT RUN 4.0 HRS
63	UFTAX90M	0.584E-02	0.500E-02	10.0	LOGNORML	2-UB-OPRTR FAILS TO TIE:90 MIN
64	LOPORFIL	0.554E-02	0.100E-02	10.0	LOGNORML	2-AFWS-OPERATORS OVERFILL STM GENERATORS
65	UFTAX4.0	0.499E-02	0.500E-02	10.0	LOGNORML	2-UE-OPRTR FAILS TO TIE:4.0 HRS

66	Z/14.0	0.442E-02	0.100	5.30	LOGNORML Z-EP-DG 2G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
67	504/141R	0.433E-02	0.100	10.0	LOGNORML 2-AFWS-P504 FAILS TO RUN GIVN 141 FAILS
68	U3G034.0	0.411E-02	0.920E-02	10.0	LOGNORML 2-UE-DG 3G003 NOT RUN 4.0 HRS
69	DG3/1R	0.387E-02	0.150	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO RUN GIVEN DG 2G02
69	DG4/2R	0.387E-02	0.150	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN GIVEN 2G03
70	UGE3G02R	0.358E-02	0.550E-01	10.0	LOGNORML 2-U-DG 3G002 NOT RUN 24 HRS
71	UGE3G03R	0.342E-02	0.550E-01	10.0	LOGNORML 2-U-DG 3G003 NOT RUN 24 HRS
72	3/24.0	0.301E-02	0.100	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO RUN 4.0HR GIVEN 2G03 FAIL
72	4/14.0	0.301E-02	0.100	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
72	4/24.0	0.301E-02	0.100	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 2G03 FAIL
72	3/14.0	0.301E-02	0.100	5.30	LOGNORML 3-EP-DG 3G02 FAILS TO RUN 4.0HR GIVEN 2G02 FAIL
73	U2G0290M	0.300E-02	0.350E-02	10.0	LOGNORML 2-UB-2G002 FAILS TO RUN:90 MIN
73	U2G0390M	0.300E-02	0.350E-02	10.0	LOGNORML 2-UB-2G003 FAILS TO RUN:90 MIN
74	LPM0504R	0.213E-02	0.720E-03	10.0	LOGNORML 2-AFWS-P504 FAILS TO RUN FOR 24 HRS
75	U3G0290M	0.206E-02	0.350E-02	10.0	LOGNORML 2-UB-DG 3G002 NOT RUN 90 MIN
75	U3G0390M	0.206E-02	0.350E-02	10.0	LOGNORML 2-UB-DG 3G003 NOT RUN 90 MIN
76	4/34.0	0.205E-02	0.100	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN 4.0HR GIVEN 3G02 FAIL
77	UFTAXS3M	0.102E-02	0.500E-02	10.0	LOGNORML 2-U-OPRTR FAILS TO CROSS-TIE
78	UCB0613N	0.598E-03	0.300E-02	10.0	LOGNORML 2-U-CB 2A0613 FAILS TO CLOSE
78	UCB0413N	0.598E-03	0.300E-02	10.0	LOGNORML 2-U-CB 2A0413 FAILS TO CLOSE
79	UFTACBN	0.580E-03	0.600E-04	10.0	LOGNORML 2-UC-CROSS CONNECT BRKR FAILS
80	LFLOMDIV	0.334E-03	0.400E-07	10.0	LOGNORML 2-AFWS-FLOW DIVERSION TO MFW SYSTEM
81	SEALFAIL	0.246E-03	0.100E-02	10.0	LOGNORML 2-ZC-RCP SEAL FAILURE PRIOR TO BLEEDOFF ISOL
82	LPT0140R	0.172E-03	0.240E-03	3.00	LOGNORML 2-AFWS-P140 FAILS TO RUN FOR 24 HRS
83	LTKCONDH	0.167E-03	0.200E-07	10.0	LOGNORML 2-AFWS-CONDENSATE STORAGE TANK SUPPLY UNAVAIL.
84	DG4/3R	0.157E-03	0.150	5.30	LOGNORML 3-EP-DG 3G03 FAILS TO RUN GIVEN 3G02

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF BASIC EVENT IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	BASIC EVENT	IMPORTANCE	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
85	DG3/2R	0.152E-03	0.150	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO RUN GIVEN 2G03
85	DG4/1R	0.152E-03	0.150	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO RUN GIVEN DG 2G02
86	LCV0124P	0.834E-04	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV124 FAILS TO OPEN
86	LCV0448P	0.834E-04	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV448 FAILS TO OPEN
87	LCV0532P	0.222E-04	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV532 FAILS TO OPEN
87	LCV0126P	0.222E-04	0.100E-03	10.0	LOGNORML	2-AFWS-CHECK VALVE CV126 FAILS TO OPEN
87	LXV0469X	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V469 LEFT CLOSED AFT MAIN
87	LXV0542X	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V542 LEFT CLOSED AFT MAIN
87	LXV0533X	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MAN VLV 533 LEFT CLO AFT MAINT
87	LXV0127X	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V127 LEFT CLOSED AFT MAINT
87	LXV471AX	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V471A LEFT CLOSED AFT MAIN
87	LXV0538X	0.222E-04	0.100E-03	3.00	LOGNORML	2-AFWS-MANUAL VALVE V338 LEFT CLOSED AFT MAIN
88	KOPEFAS	0.198E-04	0.300E-02	3.00	LOGNORML	2-EFAS-OPERATOR FAILS TO MANUALLY ACTUATE
88	EFAS2CCF	0.198E-04	0.890E-03	10.0	LOGNORML	2-KE-EFAS 2 COMMON CAUSE FAILURE
88	EFAS1CCF	0.198E-04	0.890E-03	10.0	LOGNORML	2-KE-EFAS 1 COMMON CAUSE FAILURE

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

1 0.519E-01 CUT SET 1083

MIN CUT SET PROBABILITY = 0.280E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
DG4/123S	0.500E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-EP-DG 2G002 FAILS TO START

2 0.393E-01 CUT SET 1084

MIN CUT SET PROBABILITY = 0.212E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
DG4/123S	0.500E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NRZD290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NRZD390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2GC03:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

3 0.372E-01 CUT SET 1082

MIN CUT SET PROBABILITY = 0.201E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
DG4/123S	0.500E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,03,3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NRZD24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS

NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START

4 0.300E-01 CUT SET 70

MIN CUT SET PROBABILITY = 0.162E-06

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFMS-PUMP 141 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFW PMP P140
140/MDSS	0.500E-01	10.0	LOGNORML	2-AFMS-P140 FAILS TO STRT GIVN 141&504 FAIL
504/141S	0.100E+00	10.0	LOGNORML	2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS

5 0.166E-01 CUT SET 1025

MIN CUT SET PROBABILITY = 0.896E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
ND27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS

UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********/*****

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

5 0.166E-01 CUT SET 1064

MIN CUT SET PROBABILITY = 0.896E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/23S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START

5 0.166E-01 CUT SET 1037

MIN CUT SET PROBABILITY = 0.896E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTLOM	0.850E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK	IMPORTANCE	
5	0.166E-01	CUT SET 1052

MIN CUT SET PROBABILITY = 0.896E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G0[illegible] FAILS TO START GIVEN 2G02 & 3G02

JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3027.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3037.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT

6 0.156E-01 CUT SET 10.6

MIN CUT SET PROBABILITY = 0.840E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3027.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

6 0.256E-01 CUT SET 1038

MIN CUT SET PROBABILITY = 0.840E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 2G002 SHUTDWN MAINT

7 0.241E-01 CUT SET 1041

MIN CUT SET PROBABILITY = 0.761E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFH-OP FAILS TO MANUALLY OPERATE DISC VALVES

NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY IMPORTANCE - CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

7 0.141E-01 CUT SET 1055

MIN CUT SET PROBABILITY = 0.761E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START

UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT

7 0.141E-01 CUT SET 1029

MIN CUT SET PROBABILITY = 0.761E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

7 0.141E-01 CUT SET 1067

MIN CUT SET PROBABILITY = 0.761E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/23S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START

8 0.132E-01 CUT SET 1042

MIN CUT SET PROBABILITY = 0.714E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

8 0.132E-01 CUT SET 1030

MIN CUT SET PROBABILITY = 0.714E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT

9 0.119E-01 CUT SET 1050

MIN CUT SET PROBABILITY = 0.643E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

9 0.119E-01 CUT SET 1034

MIN CUT SET PROBABILITY = 0.643E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS

NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT

9 0.119E-01 CUT SET 1062

MIN CUT SET PROBABILITY = 0.643E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/Z5	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/Z3S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR O/RHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

9 0.119E-01 CUT SET 1022

MIN CUT SET PROBABILITY = 0.643E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT

10 0.112E-01 CUT SET 1035

MIN CUT SET PROBABILITY = 0.602E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS

NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G003 SHUTDWN MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-T** **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

10 0.112E-01 CUT SET 1023

MIN CUT SET PROBABILITY = 0.602E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NOOSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT

11 0.926E-02 CUT SET 50

MIN CUT SET PROBABILITY = C.499E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFMS-PUMP 141 FAILS TO START
LPT0140M	0.370E-02	10.0	LOGNORML	2-AFMS-PUMP P140 OOC DUE TO MAINT
504/141S	0.100E+00	10.0	LOGNORML	2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS

12 0.866E-02 CUT SET 293

MIN CUT SET PROBABILITY = 0.467E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE3G03M	0.160E+00	10.0	LOGNORML	2-UJ-DG 3G003 DOWN-SCHED MAINT
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
3/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02.2G03

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

12 0.866E-02 CUT SET 281

MIN CUT SET PROBABILITY = 0.467E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.839E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
3/17.5	0.100E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/137.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02

12 0.866E-02 CUT SET 275

MIN CUT SET PROBABILITY = 0.467E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.839E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
U2G037.5	0.170E-01	10.0	LOGNORML	2-UF-2G003 FAILS TO RUN:7.5 HRS
3/27.5	0.100E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL
4/237.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02

12 0.866E-02 CUT SET 287

MIN CUT SET PROBABILITY = 0.467E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK	IMPORTANCE		
13	0.812E-02	CUT SET	299

MIN CUT SET PROBABILITY = 0.438E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS

2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
3/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03

13 0.812E-02 CUT SET 305

MIN CUT SET PROBABILITY = 0.438E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
3/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03

14 0.751E-02 CUT SET 28

MIN CUT SET PROBABILITY = 0.405E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LMV4716P	0.300E-02	10.0	LOGNORML	2-AFMS-CONTROL VLVE 4716 FAILS TO OPEN RAN CAU
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFMS-PUMP 141 FAILS TO START
504/141S	0.100E+00	10.0	LOGNORML	2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

15 0.467E-02 CUT SET 1027

MIN CUT SET PROBABILITY = 0.252E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

15 0.467E-02 CUT SET 1053

MIN CUT SET PROBABILITY = 0.252E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO STaRT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

15 0.467E-02 CUT SET 1039

MIN CUT SET PROBABILITY = 0.252E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS

UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

15 0.467E-02 CUT SET 1045

MIN CUT SET PROBABILITY = 0.252E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/23S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NR0SP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G00[illegible] BY 7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

16 0.433E-02 CUT SET 66

MIN CUT SET PROBABILITY = 0.233E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141R	0.720E-03	10.0	LOGNORML	2-AFMS-P141 FAILS TO RUN FOR 24 HRS
LPT0140S	0.300E-01	10.0	LOGNORML	L-AFM PUMP P140 FAILS TO START
LPT0140Y	0.240E+00	10.0	LOGNORML	LA-NONRECOVERY OF AFM PMP P140
504/141R	0.100E+00	10.0	LOGNORML	2-AFMS-P504 FAILS TO RUN GIVN 141 FAILS

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

17 0.397E-02 CUT SET 1031

MIN CUT SET PROBABILITY = 0.214E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DGS 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

17 0.397E-02 CUT SET 1056

MIN CUT SET PROBABILITY = 0.214E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-SG03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

17 0.397E-02 CUT SET 1043

MIN CUT SET PROBABILITY = 0.214E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES

NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2GG2S	0.250E-01	10.0	LOGNORML	2-U-DG 2G0?? FAILS TO START
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

17 0.397E-02 CUT SET 1068

MIN CUT SET PROBABILITY = 0.214E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/23S	0.250E+00	5.00	LOGNORML	3-EP-DG 2G03 FAILS TO START GIVEN 2G03 & 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3G290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

18 0.335E-02 CUT SET 1063

MIN CUT SET PROBABILITY = 0.101E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
DG4/Z3S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03 & 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

18 0.335E-02 CUT SET 1051

MIN CUT SET PROBABILITY = 0.101E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
DG4/13S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02 & 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS

NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G00Z B[illegible].0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G00Z FAILS TO START
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

18 0.335E-02 CUT SET 1024

MIN CUT SET PROBABILITY = 0.181E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G0Z FAILS
DG3/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G0Z FAILS TO START GIVEN DGS 2G0Z,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G00Z:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G00Z BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G00Z FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

18 0.335E-02 CUT SET 1036

MIN CUT SET PROBABILITY = 0.181E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DGZ/1,	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
DG4/12S	0.250E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G02,2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 1003

MIN CUT SEY PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/3S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
JIVTLOW	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE3G02S	0.250E-01	3.00	LOGNORML	2-UA-DG 3G002 FAILS TO START

U2G03TSM 0.450E-01 3.00 LOGNORML 2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.539366E-05

RANK IMPORTANCE

19 0.299E-02 CUT SET 906

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
JIVTLOW	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 1005

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG4/3S	0.12DE+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G0Z
JIVTLOM	0.83DE+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.45DE-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NR0SP7.5	0.20DE-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR3D27.5	0.10DE+01	10.0	LOGNORML	2-UF-NO REPAIR 3G00Z BY 7.5 HRS
NR3D37.5	0.10DE+01	10.0	LOGNORML	2-UF-NO REPAIR 3G0G3 BY 7.5 HRS
UGE2G03M	0.1J0E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
UGE3G02S	0.25DE-01	3.00	LOGNORML	2-UA-DG 3G00Z FAILS TO START
U2G02TSM	0.45DE-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 974

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/2S	0.12DE+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
JIVTLOM	0.83DE+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.45DE-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NR0SP7.5	0.20DE-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.10DE+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.10DE+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G0ZM	0.16DE+00	10.0	LOGNORML	2-UB-DG 2G00Z DOWN-SCHED MAINT
UGE2G03S	0.25DE-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G02TSM	0.45DE-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

19 0.299E-02 CUT SET 908

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 941

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS

NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3GC2 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 872

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NR0SP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.539936E-05

RANK	IMPORTANCE

19 0.299E-02 CUT SET 857

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2037.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 976

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 835

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.29	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NR0SP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

19 0.299E-02 CUT SET 874

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

19 0.299E-02 CUT SET 943

MIN CUT SET PROBABILITY = 0.161E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 1014

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG4/3S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NR0SP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
UGE3G02S	0.250E-01	3.00	LOGNORML	2-UA-DG 3G002 FAILS TO START
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

20 0.285E-02 CUT SET 1012

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/3S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NR0SP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN

NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE3G02S	0.250E-01	3.00	LOGNORML	2-UA-DG 3G002 FAILS TO START
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 9[illegible]

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZL-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 920

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN

NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G 02 BY 90 MIN
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

20 0.285E-02 CUT SET 850

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 852

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.390E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 885

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

20 0.285E-02 CUT SET 955

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 989

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG4/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 922

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILITY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

20 0.285E-02 CUT SET 957

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NRZD290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

20 0.285E-02 CUT SET 887

MIN CUT SET PROBABILITY = 0.154E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NRZD290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN

NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

21 0.280E-02 CUT SET 945

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
JIVTLOW	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

21 0.280E-02 CUT SET 910

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

21 0.280E-02 CUT SET 978

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOM AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
NR3D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G003 BY 7.5 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

21 0.280E-02 CUT SET 876

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
JIVTLOW	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR3D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR 3G002 BY 7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

21 0.280E-02 CUT SET 839

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS

JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

21 0.280E-02 CUT SET 841

MIN CUT SET PROBABILITY = 0.151E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

22 0.275E-02 CUT SET 13

MIN CUT SET PROBABILITY = 0.148E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

CRV0003O	0.110E-02	3.00	LOGNORML	2-MS-3 OR MORE SEC R-VALVES STUCK OPEN
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFMS-PUMP 141 FAILS TO START
504/141S	0.100E+00	10.0	LOGNORML	2-AFMS-P504 FAILS TO STRT GIVN 141 FAILS

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

23 0.268E-02 CUT SET 854

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/13	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U3G03TSM	0.450E-01	5.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

23 0.268E-02 CUT SET 924

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3DZ90M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

23 0.268E-02 CUT SET 959

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDWN MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

23 0.268E-02 CUT SET 889

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFM-OP FAILS TO MANUALLY OPERATE DISC VALVES
NR0S290M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NR2D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NR3D290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G002 BY 90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

23 0.268E-02 CUT SET 856

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS

LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NRZD290M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G002:90 MIN
NRZD390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UF-3G003 SHUTDOWN MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

23 0.268E-02 CUT SET 991

MIN CUT SET PROBABILITY = 0.144E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPMDISC	0.100E+00	10.0	LOGNORML	2-AFW-OP FAILS TO MANUALLY OPERATE DISC VALVES
NROSP90M	0.200E+00	3.00	LOGNORML	2-UB-NO OFFSITE PWR AT 90 MIN
NRZD390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR DG 2G003:90 MIN
NR3D390M	0.890E+00	10.0	LOGNORML	2-UB-NO REPAIR 3G003 BY 90 MIN
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UB-DG 3G002 SHUTDOWN MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

24 0.250E-02 CUT SET 39

MIN CUT SET PROBABILITY = 0.135E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
LOPORFIL	0.100E-02	10.0	LOGNORML	2-AFWS-OPERATORS OVERFILL STM GENERATORS
LPM0141S	0.300E-02	10.0	LOGNORML	2-AFWS-PUMP 141 FAILS TO START
504/141S	0.100E+00	10.0	LOGNORML	2-AFWS-P504 FAILS TO STRT GIVN 141 FAILS

25 0.244E-02 CUT SET 312

MIN CUT SET PROBABILITY = 0.131E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,2G03

25 0.244E-02 CUT SET 311

MIN CUT SET PROBABILITY = 0.131E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT
3/17.5	0.100E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL
4/137.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G02,3G02

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

25 0.244E-02 CUT SET 313

MIN CUT SET PROBABILITY = 0.131E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
U2G027.5	0.170E-01	10.0	LOGNORML	2-UF-2G002 FAILS TO RUN:7.5 HRS
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT
2/17.5	0.100E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO RUN 7.5HR GIVEN 2G02 FAIL

3/127.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G02,2G03

25 0.244E-02 CUT SET 308

MIN CUT SET PROBABILITY = 0.131E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
JIVTLOM	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT
U2G037.5	0.170E-01	10.0	LOGNORML	2-UF-2G003 FAILS TO RUN:7.5 HRS
3/27.5	0.100E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO RUN 7.5HR GIVEN 2G03 FAIL
4/237.5	0.230E+00	5.00	LOGNORML	3-EP-DG 3G03 FAILS TO RUN 7.5HR GIVEN 2G03,3G02

26 0.214E-02 CUT SET 865

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

26 0.214E-02 CUT SET 827

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 898

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NRUSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G03M	0.160E+00	10.0	LOGNORML	2-U-DG 3G003 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 863

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN DG 2G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-06

RANK IMPORTANCE

26 0.214E-02 CUT SET 896

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG3/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G02 FAILS TO START GIVEN 2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 933

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS

NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 965

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/ZS	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

26 0.214E-02 CUT SET 931

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/1S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN DG 2G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G300[illegible] BY 4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 999

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/3S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G03M	0.160E+00	10.0	LOGNORML	2-UD-DG 2G003 DOWN SCHED MAINT
UGE3G02S	0.250E-01	3.00	LOGNORML	2-UA-DG 3G002 FAILS TO START
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 997

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/3S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 3G02
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR3D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR 3G002 BY 4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 2G002 DOWN-SCHED MAINT
UGE3G02S	0.250E-01	3.00	LOGNORML	2-UA-DG 3G002 FAILS TO START
U2G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G03 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

26 0.214E-02 CUT SET 967

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG4/2S	0.120E+00	5.30	LOGNORML	3-EP-DG 3G03 FAILS TO START GIVEN 2G03

JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NRZD34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
NR3D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR G3003 BY 4.0 HRS
UGE2G03S	0.250E-01	10.0	LOGNORML	2-UF-DG 2G003 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U2G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG2G02 DOWN DUE TO UNSCH MAINT

26 0.214E-02 CUT SET 825

MIN CUT SET PROBABILITY = 0.116E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG [illegible] FAILS
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NRZD24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NRZD34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G02M	0.160E+00	10.0	LOGNORML	2-UB-DG 3G002 DOWN-SCHED MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

27 0.208E-02 CUT SET 793

MIN CUT SET PROBABILITY = 0.112E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION

DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTLOW	0.830E+00	10.0	LOGNORML	2-JI-LOW AMBIENT TEMP(INVTR OVRHT AT 7.5 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP7.5	0.200E-01	3.00	LOGNORML	2-UF-NO OFFSITE PWR AT 7.5 HRS
NR2D27.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G002:7.5 HRS
NR2D37.5	0.100E+01	10.0	LOGNORML	2-UF-NO REPAIR DG 2G003:7.5 HRS
UFTAX7.5	0.500E-02	10.0	LOGNORML	2-UF-OPRTR FAILS TO TIE:7.5 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE (MEASURE OF SYSTEM UNAVAILABILTY)

TOP EVENT PROBABILITY = 0.53936E-05

RANK IMPORTANCE

28 0.201E-02 CUT SET 827

MIN CUT SET PROBABILITY = 0.108E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START

UGE3G2SD	0.150E+00	10.0	LOGNORML	2-UE-DG 3G002 SHUTDWN MAINT
U3G03TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G03 DOWN DUE TO UNSCH MAINT

28 0.201E-02 CUT SET 831

MIN CUT SET PROBABILITY = 0.108E-07

BASIC EVENT	MEAN PROBABILITY	ERROR FACTOR	DISTRIBUTION	BASIC EVENT DESCRIPTION
DG2/1S	0.120E+00	5.30	LOGNORML	2-EP-DG 2G03 FAILS TO START GIVEN DG 2G02 FAILS
JIVTHIGH	0.170E+00	10.0	LOGNORML	2-JI-HIGH AMBIENT TEMP(INVTR OVRHT AT 4.0 HR)
LOOP	0.450E-01	3.00	LOGNORML	2-ZC-LOSS OF OFFSITE POWER
NROSP4.0	0.700E-01	3.00	LOGNORML	2-UE-NO OFFSITE PWR AT 4.0 HRS
NR2D24.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G002:4.0 HRS
NR2D34.0	0.100E+01	10.0	LOGNORML	2-UE-NO REPAIR DG 2G003:4.0 HRS
UGE2G02S	0.250E-01	10.0	LOGNORML	2-U-DG 2G002 FAILS TO START
UGE3G3SD	0.150E+00	10.0	LOGNORML	2-UE-3G003 SHUTDOWN MAINT.
U3G02TSM	0.450E-01	3.00	LOGNORML	2-U-DG3G02 DOWN DUE TO UNSCH MAINT

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
28	900	0.201E-02*	36	681	0.120E-02*	43	595	0.105E-02*	51	351	0.835E-03*
28	969	0.201E-02*	36	661	0.120E-02*	43	591	0.105E-02*	52	456	0.818E-03*
28	935	0.201E-02*	36	664	0.120E-02*	43	565	0.105E-02*	52	431	0.818E-03*
28	867	0.201E-02*	36	[illegible]	0.120E-02*	44	1069	0.102E-02*	52	460	0.818E-03*
29	795	0.198E-02*	37	115	0.118E-02*	44	1057	0.102E-02*	52	410	0.818E-03*
30	1088	0.198E-02*	38	907	0.113E-02*	44	1032	0.102E-02*	53	500	0.804E-03*
30	1085	0.198E-02*	38	1004	0.113E-02*	44	1044	0.102E-02*	53	536	0.804E-03*
30	1087	0.198E-02*	38	975	0.113E-02*	45	1045	0.952E-03*	53	482	0.804E-03*
30	1080	0.198E-02*	38	1003	0.113E-02*	45	1033	0.952E-03*	53	519	0.804E-03*
31	1081	0.185E-02*	38	909	0.113E-02*	46	609	0.942E-03*	53	540	0.804E-03*
31	1086	0.185E-02*	38	858	0.113E-02*	46	634	0.942E-03*	53	478	0.804E-03*
32	1054	0.177E-02*	38	873	0.113E-02*	46	613	0.942E-03*	53	523	0.804E-03*
32	1028	0.177E-02*	38	836	0.113E-02*	46	637	0.942E-03*	53	504	0.804E-03*
32	1040	0.177E-02*	38	875	0.113E-02*	46	582	0.942E-03*	54	891	0.803E-03*
32	1066	0.177E-02*	38	942	0.113E-02*	46	630	0.942E-03*	54	993	0.803E-03*
33	273	0.170E-02*	38	977	0.113E-02*	46	590	0.942E-03*	54	961	0.803E-03*
33	291	0.170E-02*	38	944	0.113E-02*	46	556	0.942E-03*	54	926	0.803E-03*
33	285	0.170E-02*	39	687	0.113E-02*	46	564	0.942E-03*	55	257	0.779E-03*
33	280	0.170E-02*	39	684	0.113E-02*	46	586	0.942E-03*	55	260	0.779E-03*
33	278	0.170E-02*	39	670	0.113E-02*	46	560	0.942E-03*	56	277	0.763E-03*
33	279	0.170E-02*	39	647	0.113E-02*	46	616	0.942E-03*	56	276	0.763E-03*
33	292	0.170E-02*	40	627	0.112E-02*	47	76	0.901E-03*	56	270	0.763E-03*
33	286	0.170E-02*	40	606	0.112E-02*	47	69	0.901E-03*	56	284	0.763E-03*
33	289	0.170E-02*	40	561	0.112E-02*	48	568	0.883E-03*	56	288	0.763E-03*
33	272	0.170E-02*	40	610	0.112E-02*	48	594	0.883E-03*	56	282	0.763E-03*

33	274	0.170E-02*	40	557	0.112E-02*	48	572	0.883E-03*	56	291	0.763E-03*
33	283	0.170E-02*	40	631	0.112E-02*	48	598	0.883E-03*	56	290	0.763E-03*
34	297	0.159E-02*	40	583	0.112E-02*	48	640	0.883E-03*	57	512	0.754E-03*
34	298	0.159E-02*	40	587	0.112E-02*	48	619	0.883E-03*	57	490	0.754E-03*
34	301	0.159E-02*	41	67	0.111E-02*	49	409	0.872E-03*	57	486	0.754E-03*
34	303	0.159E-02*	41	58	0.111E-02*	49	429	0.872E-03*	57	508	0.754E-03*
34	304	0.159E-02*	42	911	0.106E-02*	49	430	0.872E-03*	58	300	0.715E-03*
34	295	0.159E-02*	42	979	0.106E-02*	49	408	0.872E-03*	58	294	0.715E-03*
35	792	0.149E-02*	42	842	0.106E-02*	50	980	0.841E-03*	58	296	0.715E-03*
36	696	0.120E-02*	42	877	0.106E-02*	50	912	0.841E-03*	58	302	0.715E-03*
36	706	0.120E-02*	42	840	0.106E-02*	50	878	0.841E-03*	59	881	0.706E-03*
36	693	0.120E-02*	42	946	0.106E-02*	50	947	0.841E-03*	59	950	0.706E-03*
36	709	0.120E-02*	43	569	0.105E-02*	51	354	0.835E-03*	59	983	0.706E-03*

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*

59	915	0.706E-03*	6[illegible]	446	0.523E-03*	74	555	0.424E-03*	77	1079	0.378E-03*
59	1009	0.706E-03*	69	451	0.523E-03*	74	554	0.424E-03*	77	1058	0.378E-03*
59	945	0.706E-03*	69	452	0.523E-03*	74	614	0.424E-03*	77	1074	0.378E-03*
60	74	0.667E-03*	69	447	0.523E-03*	74	611	0.424E-03*	78	739	0.373E-03*
60	62	0.667E-03*	70	448	0.491E-03*	74	632	0.424E-03*	78	737	0.373E-03*
61	230	0.658E-03*	70	457	0.491E-03*	74	585	0.424E-03*	78	751	0.373E-03*
61	234	0.658E-03*	70	461	0.491E-03*	74	607	0.424E-03*	78	749	0.373E-03*
61	239	0.658E-03*	70	453	0.491E-03*	74	559	0.424E-03*	79	507	0.365E-03*
61	244	0.658E-03*	71	310	0.477E-03*	74	580	0.424E-03*	79	499	0.365E-03*
61	245	0.658E-03*	71	307	0.477E-03*	74	588	0.424E-03*	79	503	0.365E-03*
61	229	0.658E-03*	71	309	0.477E-03*	74	589	0.424E-03*	79	543	0.365E-03*
61	235	0.658E-03*	71	306	0.477E-03*	75	832	0.411E-03*	79	485	0.365E-03*
61	240	0.658E-03*	72	108	0.457E-03*	75	868	0.411E-03*	79	481	0.365E-03*
61	228	0.658E-03*	73	998	0.438E-03*	75	970	0.411E-03*	79	546	0.365E-03*
61	242	0.658E-03*	73	828	0.438E-03*	75	830	0.411E-03*	79	526	0.365E-03*
61	237	0.658E-03*	73	934	0.438E-03*	75	901	0.411E-03*	79	477	0.365E-03*
61	233	0.658E-03*	73	826	0.438E-03*	75	936	0.411E-03*	79	539	0.365E-03*
62	393	0.645E-03*	73	866	0.438E-03*	76	597	0.397E-03*	79	529	0.365E-03*
62	434	0.645E-03*	73	1000	0.438E-03*	76	592	0.397E-03*	79	522	0.365E-03*
63	249	0.617E-03*	73	864	0.438E-03*	76	566	0.397E-03*	80	1021	0.355E-03*
63	250	0.617E-03*	73	897	0.438E-03*	76	567	0.397E-03*	80	1072	0.355E-03*
63	254	0.617E-03*	73	899	0.438E-03*	76	570	0.397E-03*	80	1076	0.355E-03*
63	255	0.617E-03*	73	932	0.438E-03*	76	639	0.397E-03*	80	1020	0.355E-03*
63	247	0.617E-03*	73	968	0.438E-03*	76	618	0.397E-03*	80	1060	0.355E-03*
63	252	0.617E-03*	73	966	0.438E-03*	76	593	0.397E-03*	80	1048	0.355E-03*
64	458	0.605E-03*	74	629	0.424E-03*	76	571	0.397E-03*	81	753	0.349E-03*
64	454	0.605E-03*	74	612	0.424E-03*	76	596	0.397E-03*	81	741	0.349E-03*
64	415	0.605E-03*	74	591	0.424E-03*	76	638	0.397E-03*	82	549	0.343E-03*
64	394	0.605E-03*	74	633	0.424E-03*	76	617	0.397E-03*	82	493	0.343E-03*

65	902	0.603E-03*		608	0.424E-03*	77	1070	0.378E-03*	82	489	0.343E-03*
65	869	0.603E-03*	74	636	0.424E-03*	77	1018	0.378E-03*	82	532	0.343E-03*
65	971	0.603E-03*	74	563	0.424E-03*	77	1075	0.378E-03*	82	515	0.343E-03*
65	937	0.603E-03*	74	615	0.424E-03*	77	1059	0.378E-03*	82	511	0.343E-03*
66	215	0.558E-03*	74	562	0.424E-03*	77	1071	0.378E-03*	83	1	0.334E-03*
66	218	0.558E-03*	74	628	0.424E-03*	77	1047	0.378E-03*	84	940	0.332E-03*
67	77	0.541E-03*	74	558	0.424E-03*	77	1046	0.378E-03*	84	905	0.332E-03*
68	114	0.530E-03*	74	584	0.424E-03*	77	1019	0.378E-03*	85	948	0.318E-03*
68	113	0.530E-03*	74	635	0.424E-03*	77	1078	0.378E-03*	85	949	0.318E-03*

1 ********** ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
85	879	0.318E-03*	93	359	0.270E-03*	99	895	0.233E-03*	107	960	0.208E-03*
85	1008	0.318E-03*	94	164	0.269E-03*	99	930	0.238E-03*	107	925	0.208E-03*
85	844	0.318E-03*	94	124	0.269E-03*	100	27	0.225E-03*	107	855	0.208E-03*
85	982	0.318E-03*	94	116	0.269E-03*	100	31	0.225E-03*	108	800	0.207E-03*

85	981	0.318E-03*	94	163	0.269E-03*	100	32	0.225E-03*	108	797	0.207E-03*
85	1007	0.318E-03*	94	175	0.269E-03*	101	266	0.224E-03*	109	107	0.206E-03*
85	843	0.318E-03*	94	171	0.269E-03*	101	262	0.224E-03*	109	106	0.206E-03*
85	880	0.318E-03*	94	178	0.269E-03*	102	766	0.224E-03*	110	137	0.204E-03*
85	914	0.318E-03*	94	172	0.269E-03*	102	772	0.224E-03*	110	134	0.204E-03*
85	913	0.318E-03*	94	177	0.269E-03*	102	774	0.224E-03*	110	123	0.204E-03*
86	954	0.317E-03*	94	174	0.269E-03*	102	768	0.224E-03*	110	131	0.204E-03*
86	919	0.317E-03*	95	575	0.265E-03*	103	1015	0.222E-03*	110	182	0.204E-03*
87	226	0.296E-03*	95	603	0.265E-03*	103	1013	0.222E-03*	110	191	0.204E-03*
87	241	0.296E-03*	95	621	0.265E-03*	103	921	0.222E-03*	110	181	0.204E-03*
87	238	0.296E-03*	95	645	0.265E-03*	103	988	0.222E-03*	110	190	0.204E-03*
87	236	0.296E-03*	95	644	0.265E-03*	103	851	0.222E-03*	111	859	0.194E-03*
87	227	0.296E-03*	95	576	0.265E-03*	103	958	0.222E-03*	111	858	0.194E-03*
87	232	0.296E-03*	95	642	0.265E-03*	103	886	0.222E-03*	111	994	0.194E-03*
87	243	0.296E-03*	95	577	0.265E-03*	103	853	0.222E-03*	111	963	0.194E-03*
87	231	0.296E-03*	95	624	0.265E-03*	103	923	0.222E-03*	111	893	0.194E-03*
88	258	0.294E-03*	95	602	0.265E-03*	103	888	0.222E-03*	111	892	0.194E-03*
88	261	0.294E-03*	95	623	0.265E-03*	103	956	0.222E-03*	111	962	0.194E-03*
89	798	0.280E-03*	95	601	0.265E-03*	103	990	0.222E-03*	111	927	0.194E-03*
89	801	0.280E-03*	96	862	0.263E-03*	104	135	0.218E-03*	111	1016	0.194E-03*
90	25	0.278E-03*	97	745	0.259E-03*	104	129	0.218E-03*	111	995	0.194E-03*
90	49	0.278E-03*	97	733	0.259E-03*	104	121	0.218E-03*	111	928	0.194E-03*
90	53	0.278E-03*	98	196	0.252E-03*	104	132	0.218E-03*	111	1017	0.194E-03*
90	20	0.278E-03*	98	187	0.252E-03*	104	133	0.218E-03*	112	366	0.189E-03*
90	54	0.278E-03*	98	197	0.252E-03*	104	122	0.218E-03*	112	367	0.189E-03*
90	29	0.278E-03*	98	176	0.252E-03*	104	130	0.218E-03*	112	361	0.189E-03*
90	21	0.278E-03*	98	173	0.252E-03*	104	136	0.218E-03*	112	364	0.189E-03*
91	246	0.277E-03*	98	165	0.252E-03*	105	68	0.216E-03*	112	365	0.189E-03*
91	251	0.277E-03*	98	179	0.252E-03*	105	64	0.216E-03*	112	363	0.189E-03*

91	248	0.277E-03*	98	188	0.252E-03*	106	770	0.210E-03*	112	362	0.189E-03*
91	253	0.277E-03*	98	125	0.252E-03*	106	776	0.210E-03*	112	369	0.189E-03*
92	743	0.276E-03*	98	117	0.252E-03*	107	890	0.208E-03*	113	269	0.188E-03*
92	731	0.276E-03*	98	189	0.252E-03*	107	992	0.208E-03*	113	265	0.188E-03*
93	356	0.270E-03*	98	180	0.252E-03*	107	857	0.208E-03*	114	861	0.182E-03*

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
114	894	0.182E-03*	120	63	0.160E-03*	124	953	0.148E-03*	133	833	0.123E-03*
114	929	0.182E-03*	120	57	0.160E-03*	124	884	0.148E-03*	134	622	0.119E-03*
114	860	0.182E-03*	121	916	0.158E-03*	125	819	0.142E-03*	134	574	0.119E-03*
114	964	0.182E-03*	121	1011	0.158E-03*	125	815	0.142E-03*	134	641	0.119E-03*
114	996	0.182E-03*	121	1010	0.158E-03*	125	820	0.142E-03*	134	573	0.119E-03*
115	373	0.177E-03*	121	984	0.158E-03*	125	816	0.142E-03*	134	600	0.119E-03*
115	371	0.177E-03*	121	882	0.158E-03*	126	796	0.135E-03*	134	599	0.119E-03*
115	370	0.177E-03*	121	917	0.158E-03*	127	705	0.134E-03*	134	643	0.119E-03*

115	372	0.177E-03*	121	985	0.158E-03*	127	692	0.134E-03*	134	620	0.119E-03*
116	799	0.168E-03*	121	846	0.158E-03*	127	675	0.134E-03*	135	459	0.118E-03*
116	802	0.168E-03*	121	883	0.158E-03*	127	658	0.134E-03*	135	455	0.118E-03*
117	2	0.167E-03*	121	951	0.158E-03*	128	141	0.131E-03*	135	400	0.118E-03*
118	537	0.164E-03*	121	952	0.158E-03*	128	140	0.131E-03*	135	421	0.118E-03*
118	525	0.164E-03*	121	847	0.158E-03*	129	75	0.130E-03*	136	401	0.115E-03*
118	527	0.164E-03*	122	488	0.154E-03*	129	65	0.130E-03*	136	403	0.115E-03*
118	521	0.164E-03*	122	492	0.154E-03*	130	750	0.128E-03*	136	315	0.115E-03*
118	498	0.164E-03*	122	510	0.154E-03*	130	740	0.128E-03*	136	422	0.115E-03*
118	545	0.164E-03*	122	548	0.154E-03*	130	752	0.128E-03*	136	440	0.115E-03*
118	544	0.164E-03*	122	514	0.154E-03*	130	738	0.128E-03*	136	438	0.115E-03*
118	520	0.164E-03*	122	531	0.154E-03*	131	419	0.126E-03*	136	432	0.115E-03*
118	528	0.164E-03*	122	530	0.154E-03*	131	398	0.126E-03*	136	327	0.115E-03*
118	538	0.164E-03*	122	513	0.154E-03*	131	420	0.126E-03*	136	424	0.115E-03*
118	524	0.164E-03*	122	491	0.154E-03*	131	399	0.126E-03*	136	434	0.115E-03*
118	501	0.164E-03*	122	509	0.154E-03*	132	603	0.125E-03*	137	219	0.114E-03*
118	484	0.164E-03*	122	547	0.154E-03*	132	578	0.125E-03*	137	216	0.114E-03*
118	497	0.164E-03*	122	487	0.154E-03*	132	604	0.125E-03*	138	794	0.109E-03*
118	506	0.164E-03*	123	813	0.151E-03*	132	552	0.125E-03*	139	436	0.108E-03*
118	480	0.164E-03*	123	817	0.151E-03*	133	1002	0.123E-03*	139	426	0.108E-03*
118	475	0.164E-03*	123	818	0.151E-03*	133	834	0.123E-03*	139	442	0.108E-03*
118	505	0.164E-03*	123	814	0.151E-03*	133	939	0.123E-03*	139	405	0.108E-03*
118	502	0.164E-03*	123	821	0.151E-03*	133	973	0.123E-03*	139	317	0.108E-03*
118	541	0.164E-03*	123	822	0.151E-03*	133	904	0.123E-03*	139	329	0.108E-03*
118	483	0.164E-03*	123	823	0.151E-03*	133	871	0.123E-03*	140	1073	0.106E-03*
118	542	0.164E-03*	123	824	0.151E-03*	133	870	0.123E-03*	140	1077	0.106E-03*
118	479	0.164E-03*	124	849	0.148E-03*	133	1001	0.123E-03*	140	1061	0.106E-03*
118	476	0.164E-03*	124	918	0.148E-03*	133	972	0.123E-03*	140	1049	0.106E-03*
119	220	0.161E-03*	124	848	0.148E-03*	133	938	0.123E-03*	141	777	0.105E-03*

119	223	0.161E-03*	124	986	0.148E-03*	133	903	0.123E-03*	141	771	0.105E-03*

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
142	5	0.102E-03*	146	346	0.932E-04*	154	192	0.840E-04*	162	102	0.750E-04*
142	14	0.102E-03*	146	338	0.932E-04*	154	148	0.840E-04*	162	97	0.750E-04*
142	10	0.102E-03*	146	340	0.932E-04*	154	143	0.840E-04*	162	100	0.750E-04*
142	6	0.102E-03*	146	321	0.932E-04*	154	183	0.840E-04*	162	84	0.750E-04*
143	78	0.986E-04*	147	40	0.926E-04*	155	3	0.834E-04*	162	99	0.750E-04*
143	85	0.986E-04*	147	34	0.926E-04*	156	16	0.826E-04*	162	103	0.750E-04*
144	742	0.948E-04*	147	35	0.926E-04*	156	17	0.826E-04*	162	91	0.750E-04*
144	730	0.948E-04*	147	37	0.926E-04*	156	12	0.826E-04*	163	806	0.736E-04*
144	732	0.948E-04*	148	98	0.924E-04*	157	89	0.800E-04*	163	808	0.736E-04*
144	744	0.948E-04*	148	101	0.924E-04*	157	90	0.800E-04*	163	804	0.736E-04*
145	695	0.936E-04*	148	86	0.924E-04*	157	93	0.800E-04*	163	810	0.736E-04*
145	707	0.936E-04*	148	79	0.924E-04*	157	95	0.800E-04*	164	756	0.727E-04*

145	710	0.936E-04*	149	142	0.896E-04*	157	96	0.800E-04*	164	760	0.727E-04*
145	712	0.936E-04*	149	147	0.896E-04*	157	83	0.800E-04*	164	757	0.727E-04*
145	713	0.936E-04*	150	535	0.896E-04*	157	82	0.800E-04*	164	761	0.727E-04*
145	698	0.936E-04*	150	518	0.896E-04*	157	92	0.800E-04*	164	156	0.727E-04*
145	708	0.936E-04*	150	496	0.896E-04*	158	803	0.785E-04*	164	153	0.727E-04*
145	697	0.936E-04*	150	474	0.896E-04*	158	807	0.785E-04*	164	152	0.727E-04*
145	694	0.936E-04*	151	668	0.877E-04*	158	809	0.785E-04*	164	145	0.727E-04*
145	676	0.936E-04*	151	715	0.877E-04*	158	805	0.785E-04*	164	150	0.727E-04*
145	677	0.936E-04*	151	686	0.877E-04*	158	812	0.785E-04*	164	155	0.727E-04*
145	711	0.936E-04*	151	685	0.877E-04*	158	811	0.785E-04*	164	144	0.727E-04*
145	660	0.936E-04*	151	671	0.877E-04*	159	755	0.776E-04*	164	149	0.727E-04*
145	683	0.936E-04*	151	688	0.877E-04*	159	754	0.776E-04*	165	138	0.721E-04*
145	699	0.936E-04*	151	714	0.877E-04*	159	763	0.776E-04*	165	139	0.721E-04*
145	665	0.936E-04*	151	702	0.877E-04*	159	762	0.776E-04*	166	154	0.681E-04*
145	700	0.936E-04*	151	672	0.877E-04*	159	759	0.776E-04*	166	157	0.681E-04*
145	663	0.936E-04*	151	669	0.877E-04*	159	765	0.776E-04*	166	194	0.681E-04*
145	666	0.936E-04*	151	701	0.877E-04*	159	758	0.776E-04*	166	146	0.681E-04*
145	659	0.936E-04*	151	689	0.877E-04*	159	764	0.776E-04*	166	184	0.681E-04*
145	679	0.936E-04*	152	337	0.873E-04*	160	767	0.769E-04*	166	185	0.681E-04*
145	680	0.936E-04*	152	325	0.873E-04*	160	773	0.769E-04*	166	193	0.681E-04*
145	682	0.936E-04*	152	342	0.873E-04*	160	769	0.769E-04*	166	151	0.681E-04*
145	662	0.936E-04*	152	348	0.873E-04*	160	775	0.769E-04*	167	22	0.667E-04*
146	323	0.932E-04*	153	267	0.848E-04*	161	38	0.751E-04*	167	48	0.667E-04*
146	335	0.932E-04*	153	264	0.848E-04*	161	41	0.751E-04*	167	19	0.667E-04*
146	333	0.932E-04*	153	268	0.848E-04*	161	42	0.751E-04*	167	52	0.667E-04*
146	344	0.932E-04*	153	263	0.848E-04*	162	94	0.750E-04*	167	45	0.667E-04*

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
167	46	0.667E-04*	177	126	0.523E-04*	187	441	0.395E-04*	197	213	0.320E-04*
168	352	0.650E-04*	178	736	0.503E-04*	187	204	0.395E-04*	197	345	0.320E-04*
168	355	0.650E-04*	178	748	0.503E-04*	187	199	0.395E-04*	197	339	0.320E-04*
169	168	0.645E-04*	179	128	0.491E-04*	188	374	0.383E-04*	198	384	0.311E-04*
169	160	0.645E-04*	179	120	0.491E-04*	188	379	0.383E-04*	198	387	0.311E-04*
169	161	0.645E-04*	180	427	0.476E-04*	189	380	0.359E-04*	198	388	0.311E-04*
169	169	0.645E-04*	180	406	0.476E-04*	189	375	0.359E-04*	198	385	0.311E-04*
170	654	0.629E-04*	181	605	0.471E-04*	190	350	0.356E-04*	198	377	0.311E-04*
170	656	0.629E-04*	181	579	0.471E-04*	190	353	0.356E-04*	198	382	0.311E-04*
170	657	0.629E-04*	181	553	0.471E-04*	191	390	0.352E-04*	198	381	0.311E-04*
170	655	0.629E-04*	181	626	0.471E-04*	191	411	0.352E-04*	198	376	0.311E-04*
170	651	0.629E-04*	182	494	0.462E-04*	192	206	0.342E-04*	199	389	0.291E-04*
170	650	0.629E-04*	182	495	0.462E-04*	192	201	0.342E-04*	199	386	0.291E-04*
170	647	0.629E-04*	182	516	0.462E-04*	192	209	0.342E-04*	199	383	0.291E-04*
170	646	0.629E-04*	182	550	0.462E-04*	192	212	0.342E-04*	199	378	0.291E-04*
171	170	0.605E-04*	182	517	0.462E-04*	192	200	0.342E-04*	200	449	0.285E-04*

171	162	0.605E-04*	182	533	0.462E-04*	192	205	0.342E-04*	200	444	0.285E-04*
171	186	0.605E-04*	182	551	0.462E-04*	192	211	0.342E-04*	201	417	0.276E-04*
171	105	0.605E-04*	182	534	0.462E-04*	192	208	0.342E-04*	201	416	0.276E-04*
172	111	0.598E-04*	183	407	0.446E-04*	193	259	0.332E-04*	201	396	0.276E-04*
172	109	0.598E-04*	183	428	0.446E-04*	193	256	0.332E-04*	201	395	0.276E-04*
173	648	0.590E-04*	184	349	0.437E-04*	194	412	0.330E-04*	202	450	0.268E-04*
173	652	0.590E-04*	184	343	0.437E-04*	194	391	0.330E-04*	202	445	0.268E-04*
173	653	0.590E-04*	185	104	0.429E-04*	195	221	0.329E-04*	203	703	0.263E-04*
173	649	0.590E-04*	185	105	0.429E-04*	195	224	0.329E-04*	203	716	0.263E-04*
174	26	0.541E-04*	186	198	0.421E-04*	195	222	0.329E-04*	203	691	0.263E-04*
174	23	0.541E-04*	186	203	0.421E-04*	195	225	0.329E-04*	203	673	0.263E-04*
174	24	0.541E-04*	187	404	0.395E-04*	196	778	0.321E-04*	203	690	0.263E-04*
174	30	0.541E-04*	187	423	0.395E-04*	196	779	0.321E-04*	203	717	0.263E-04*
175	443	0.539E-04*	187	433	0.395E-04*	197	336	0.320E-04*	203	674	0.263E-04*
175	437	0.539E-04*	187	316	0.395E-04*	197	322	0.320E-04*	203	704	0.263E-04*
176	734	0.537E-04*	187	326	0.395E-04*	197	324	0.320E-04*	204	397	0.259E-04*
176	747	0.537E-04*	187	435	0.395E-04*	197	334	0.320E-04*	204	418	0.259E-04*
176	746	0.537E-04*	187	402	0.395E-04*	197	207	0.320E-04*	205	7	0.244E-04*
176	735	0.537E-04*	187	439	0.395E-04*	197	202	0.320E-04*	205	4	0.244E-04*
177	119	0.523E-04*	187	314	0.395E-04*	197	210	0.320E-04*	206	214	0.238E-04*
177	118	0.523E-04*	187	425	0.395E-04*	197	341	0.320E-04*	206	217	0.238E-04*
177	127	0.523E-04*	187	328	0.395E-04*	197	347	0.320E-04*	207	471	0.231E-04*

1 ********** SYSTEM RELIABILITY W/ DG CROSS-TIE **********

FUSSELL-VESELY MEASURE OF CUT SET IMPORTANCE

FOR CUT SETS OF RANK 28 AND HIGHER

STEADY STATE CALCULATIONS

TOP EVENT PROBABILITY = 0.53936E-05

RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*	RANK	CUT SET NO	IMPORTANCE*
207	470	0.231E-04*	210	55	0.222E-04*	214	728	0.210E-04*	215	392	0.202E-04*
207	467	0.231E-04*	210	36	0.222E-04*	214	727	0.210E-04*	215	413	0.202E-04*
207	473	0.231E-04*	210	56	0.222E-04*	214	784	0.210E-04*	216	18	0.198E-04*
207	466	0.231E-04*	210	72	0.222E-04*	214	719	0.210E-04*	216	9	0.198E-04*
207	462	0.231E-04*	210	61	0.222E-04*	214	726	0.210E-04*	216	8	0.198E-04*
207	463	0.231E-04*	210	44	0.222E-04*	214	729	0.210E-04*	216	15	0.198E-04*
207	472	0.231E-04*	210	71	0.222E-04*	214	723	0.210E-04*	216	11	0.198E-04*
208	110	0.226E-04*	210	33	0.222E-04*	214	785	0.210E-04*	217	724	0.197E-04*
208	112	0.226E-04*	211	464	0.216E-04*	214	789	0.210E-04*	217	787	0.197E-04*
209	331	0.224E-04*	211	469	0.216E-04*	214	722	0.210E-04*	217	720	0.197E-04*
209	319	0.224E-04*	211	468	0.216E-04*	214	790	0.210E-04*	217	782	0.197E-04*
209	330	0.224E-04*	211	465	0.216E-04*	214	791	0.210E-04*	217	783	0.197E-04*
209	318	0.224E-04*	212	158	0.215E-04*	214	788	0.210E-04*	217	721	0.197E-04*
210	43	0.222E-04*	212	166	0.215E-04*	214	718	0.210E-04*	217	725	0.197E-04*
210	47	0.222E-04*	213	360	0.210E-04*	214	780	0.210E-04*	217	786	0.197E-04*
210	60	0.222E-04*	213	358	0.210E-04*	214	320	0.210E-04*	218	80	0.192E-04*
210	73	0.222E-04*	213	357	0.210E-04*	214	332	0.210E-04*	218	81	0.192E-04*
210	51	0.222E-04*	213	361	0.210E-04*	215	159	0.202E-04*	218	88	0.192E-04*
210	59	0.222E-04*	214	781	0.210E-04*	215	167	0.202E-04*	218	87	0.192E-04*

1 REFERENCE TABLE FOR MIN CUT SETS

ORDER	1	2	3	4	5	6	7	8	9	10	11
NO. OF MIN CUT SETS	0	2	1	51	23	120	264	351	205	62	9

NO. OF MIN CUT SETS = 1088

CUT SET NO.	ORDER	BASIC EVENTS			
1	2	LFLOMDIV	LOOP		
2	2	LOOP	LTKCONDH		
3	3	LCV0124P	LCV0448P	LOOP	
4	4	CRV00030	LOOP	LPM0141M	LPM0504R
5	4	CRV00030	LOOP	LPM0141M	LPM0504S
6	4	CRV00030	LOOP	LPM0141M	UCB0603N
7	4	CRV00030	LOOP	LPM0141R	LPM0504M
8	4	CRV00030	LOOP	LPM0141R	LPM0504S
9	4	CRV00030	LOOP	LPM0141R	UCB0603N
10	4	CRV00030	LOOP	LPM0141S	LPM0504M
11	4	CRV00030	LOOP	LPM0141S	LPM0504R
12	4	CRV00030	LOOP	LPM0141S	UCB0603N
13	4	CRV00030	LOOP	LPM0141S	504/141S
14	4	CRV00030	LOOP	LPM0504M	UCB0404N
15	4	CRV00030	LOOP	LPM0504R	UCB0404N
16	4	CRV00030	LOOP	LPM0504S	UCB0404N
17	4	CRV00030	LOOP	UCB0404N	UCB0603N
18	4	EFAS1CCF	EFAS2CCF	KOPEFAS	LOOP
19	4	LMV4716P	LOOP	LPM0141M	LPM0504R
20	4	LMV4716P	LOOP	LPM0141M	LPM0504S

21	4	LMV4716P	LOOP	LPM0141M	UCB0603N
22	4	LMV4716P	LOOP	LPM0141R	LPM0504M
23	4	LMV4716P	LOOP	LPM0141R	LPM0504S
24	4	LMV4716P	LOOP	LPM0141R	UCB0603N
25	4	LMV4716P	LOOP	LPM0141S	LPM0504M
26	4	LMV4716P	LOOP	LPM0141S	LPM0504R
27	4	LMV4716P	LOOP	LPM0141S	UCB0603N
28	4	LMV4716P	LOOP	LPM0141S	504/141S
29	4	LMV4716P	LOOP	LPM0504M	UCB0404N
30	4	LMV4716P	LOOP	LPM0504R	UCB0404N
31	4	LMV4716P	LOOP	LPM0504S	UCB0404N
32	4	LMV4716P	LOOP	UCB0404N	UCB0603N
33	4	LOOP	LOPORFIL	LPM0141M	LPM0504R
34	4	LOOP	LOPORFIL	LPM0141M	LPM0504S
35	4	LOOP	LOPORFIL	LPM0141M	UCB0603N
36	4	LOOP	LOPORFIL	LPM0141R	LPM0504M
37	4	LOOP	LOPORFIL	LPM0141S	LPM0504M
38	4	LOOP	LOPORFIL	LPM0141S	UCB0603N
39	4	LOOP	LOPORFIL	LPM0141S	504/141S
40	4	LOOP	LOPORFIL	LPM0504M	UCB0404N
41	4	LOOP	LOPORFIL	LPM0504S	UCB0404N
42	4	LOOP	LOPORFIL	UCB0404N	UCB0603N
43	4	LOOP	LPM0141M	LPM0504S	LPT0140R
44	4	LOOP	LPM0141M	LPT0140R	UCB0603N
45	4	LOOP	LPM0141R	LPM0504S	LPT0140M
46	4	LOOP	LPM0141R	LPT0140M	UCB0603N
47	4	LOOP	LPM0141S	LPM0504M	LPT0140R
48	4	LOOP	LPM0141S	LPM0504R	LPT0140M
49	4	LOOP	LPM0141S	LPT0140M	UCB0603N

50	4	LOOP	LPM0141S	LPT0140M	504/141S		
51	4	LOOP	LPM0504M	LPT0140R	UCB0404N		
52	4	LOOP	LPM0504R	LPT0140M	UCB0404N		
53	4	LOOP	LPM0504S	LPT0140M	UCB0404N		
54	4	LOOP	LPT0140M	UCB0404N	UCB0603N		
55	5	LCV0126P	LOOP	LPM0504M	LPT0140S	LPT0140Y	
56	5	LCV0532P	LOOP	LPM0141M	LPT0140S	LPT0140Y	
57	5	LOOP	LPM0141M	LPM0504R	LPT0140S	LPT0140Y	
58	5	LOOP	LPM0141M	LPM0504S	LPT0140Y	140/504S	
59	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0533X	
60	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0538X	
61	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	LXV0542X	
62	5	LOOP	LPM0141M	LPT0140S	LPT0140Y	UCB0603N	
63	5	LOOP	LPM0141R	LPM0504M	LPT0140S	LPT0140Y	
64	5	LOOP	LPM0141R	LPM0504S	LPT0140Y	140/504S	
65	5	LOOP	LPM0141R	LPT0140S	LPT0140Y	UCB0603N	
66	5	LOOP	LPM0141R	LPT0140S	LPT0140Y	504/141R	
67	5	LOOP	LPM0141S	LPM0504M	LPT0140Y	140/141S	
68	5	LOOP	LPM0141S	LPM0504R	LPT0140Y	140/141S	
69	5	LOOP	LPM0141S	LPT0140Y	UCB0603N	140/141S	
70	5	LOOP	LPM0141S	LPT0140Y	140/MDSS	504/141S	
71	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0127X	
72	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV0469X	
73	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	LXV471AX	
74	5	LOOP	LPM0504M	LPT0140S	LPT0140Y	UCB0404N	
75	5	LOOP	LPM0504R	LPT0140S	LPT0140Y	UCB0404N	
76	5	LOOP	LPM0504S	LPT0140Y	UCB0404N	140/504S	
77	5	LOOP	LPT0140S	LPT0140Y	UCB0404N	UCB0603N	
78	6	CRV0003O	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M

79	6	CRV00030	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD
80	6	CRV00030	LOOP	LPM0141R	NROSP51M	UGE2G03M	UGE3G03R
81	6	CRV00030	LOOP	LPM0141R	NROSP51M	UGE2G03R	UGE3G03M
82	6	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03M	UGE3G03R
83	6	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M
84	6	CRV00030	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD
85	6	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
86	6	CRV00030	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
87	6	CRV00030	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G02R
88	6	CRV00030	LOOP	LPM0504R	NROSP51M	UGE2G02R	UGE3G02M
89	6	CRV00030	LO	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R
90	6	CRV00030	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M
91	6	CRV00030	LO	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
92	6	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03M	UGE3G03R
93	6	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
94	6	CRV00030	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
95	6	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
96	6	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
97	6	CRV00030	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
98	6	CRV00030	DG3/1R	LOOP	LPM0504M	NROSP51M	UGE2G02R
99	6	CRV00030	DG3/1R	LOOP	LPM0504S	NROSP51M	UGE2G02R
100	6	CRV00030	DG3/1R	LOOP	NROSP51M	UCB0603N	UGE2G02R
101	6	CRV00030	DG4/2R	LOOP	LPM0141M	NROSP51M	UGE2G03R
102	6	CRV00030	DG4/2R	LOOP	LPM0141S	NROSP51M	UGE2G03R
103	6	CRV00030	DG4/2R	LOOP	NROSP51M	UCB0404N	UGE2G03R
104	6	JIVTHIGH	LOOP	NROSP4.0	UFTACBN	UGE2G02M	U2G03TSM
105	6	JIVTHIGH	LOOP	NROSP4.0	UFTACBN	UGE2G03M	U2G02TSM
106	6	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G02TSM	U2G034.0
107	6	JIVTHIGH	LOOP	NROSP4.0	UFTAX..0	U2G024.0	U2G03TSM

108	6	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	U2G024.0	2/14.0
109	6	JIVTLOW	LOOP	NROSP7.5	UFTACBN	UGE2G02M	U2G03TSM
110	6	JIVTLOW	LOOP	NROSP7.5	UFTACBN	UGE2G02M	U2G037.5
111	6	JIVTLOW	LOOP	NROSP7.5	UFTACBN	UGE2G03M	U2G02TSM
112	6	JIVTLOW	LOOP	NROSP7.5	UFTACBN	UGE2G03M	U2G027.5
113	6	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G02TSM	U2G037.5
114	6	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G027.5	U2G03TSM
115	6	JIVTLOW	LOOP	NROSP7.5	UFTAX7.5	U2G027.5	2/17.5
116	6	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M
117	6	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD
118	6	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03M	UGE3G03R
119	6	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R	UGE3G03M
120	6	LMV4716P	LOOP	LPM0141R	NROSP51M	UGE2G03R	UGE3G3SD
121	6	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03M	UGE3G03R
122	6	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G03N
123	6	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD
124	6	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
125	6	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
126	6	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02M	UGE3G02R
127	6	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R	UGE3G02M
128	6	LMV4716P	LOOP	LPM0504R	NROSP51M	UGE2G02R	UGE3G2SD
129	6	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R
130	6	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M
131	6	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
132	6	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03M	UGE3G03R
133	6	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
134	6	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
135	6	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
136	6	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M

137	6	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
138	6	LOOP	LOPMDISC	NROSP90M	UFTACBN	UGE2G02M	U2G03TSM
139	6	LOOP	LOPMDISC	NROSP90M	UFTACBN	UGE2G03M	U2G02TSM
140	6	LOOP	LOPMDISC	NROSP90M	UFTAX90M	U2G02TSM	U2G0390M
141	6	LOOP	LOPMDISC	NROSP90M	UFTAX90M	U2G0290M	U2G03TSM
142	6	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R	UGE3G03M
143	6	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R	UGE3G3SD
144	6	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03M	UGE3G03R
145	6	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R	UGE3G03M
146	6	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R	UGE3G3SD
147	6	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	UGE3G02M
148	6	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R	UGE3G2SD
149	6	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02M	UGE3G02R
150	6	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R	UGE3G02M
151	6	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R	UGE3G2SD
152	6	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03M	UGE3G03R
153	6	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
154	6	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
155	6	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
156	6	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
157	6	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
158	6	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G03M
159	6	LOOP	LPM0141M	LPT0140R	NROSP51M	UGE2G03R	UGE3G3SD
160	6	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03M	UGE3G03R
161	6	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
162	6	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD
163	6	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03M	UGE3G03R
164	6	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R	UGE3G03M
165	6	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R	UGE3G3SD

166	6	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G02M
167	6	LOOP	LPM0504M	LPT0140R	NROSP51M	UGE2G02R	UGE3G2SD
168	6	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R
169	6	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
170	6	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
171	6	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02M	UGE3G02R
172	6	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G02M
173	6	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R	UGE3G2SD
174	6	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03M	UGE3G03R
175	6	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
176	6	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
177	6	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
178	6	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
179	6	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
180	6	DG3/1R	LMV4716P	LOOP	LPM0504M	NROSP51M	UGE2G02R
181	6	DG3/1R	LMV4716P	LOOP	LPM0504S	NROSP51M	UGE2G02R
182	6	DG3/1R	LMV4716P	LOOP	NROSP51M	UCB0603N	UGE2G02R
183	6	DG3/1R	LOOP	LOPORFIL	LPM0504M	NROSP51M	UGE2G02R
184	6	DG3/1R	LOOP	LOPORFIL	LPM0504S	NROSP51M	UGE2G02R
185	6	DG3/1R	LOOP	LOPORFIL	NROSP51M	UCB0603N	UGE2G02R
186	6	DG3/1R	LOOP	LPM0504R	LPT0140M	NROSP51M	UGE2G02R
187	6	DG3/1R	LOOP	LPM0504S	LPT0140M	NROSP51M	UGE2G02R
188	6	DG3/1R	LOOP	LPT0140M	NROSP51M	UCB0603N	UGE2G02R
189	6	DG4/2R	LMV4716P	LOOP	LPM0141M	NROSP51M	UGE2G03R
190	6	DG4/2R	LMV4716P	LOOP	LPM0141S	NROSP51M	UGE2G03R
191	6	DG4/2R	LMV4716P	LOOP	NROSP51M	UCB0404N	UGE2G03R
192	6	DG4/2R	LOOP	LOPORFIL	LPM0141M	NROSP51M	UGE2G03R
193	6	DG4/2R	LOOP	LOPORFIL	LPM0141S	NROSP51M	UGE2G03R
194	6	DG4/2R	LOOP	LOPORFIL	NROSP51M	UCB0404N	UGE2G03R

195	6	DG4/2R	LOOP	LPM0141R	LPT0140M	NROSP51M	UGE2G03R	
196	6	DG4/2R	LOOP	LPM0141S	LPT0140M	NROSP51M	UGE2G03R	
197	6	DG4/2R	LOOP	LPT0140M	NROSP51M	UCB0404N	UGE2G03R	
198	7	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
199	7	CRV00030	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
200	7	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S
201	7	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
202	7	CRV00030	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
203	7	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
204	7	CRV00030	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
205	7	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
206	7	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
207	7	CRV00030	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
208	7	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S
209	7	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M
210	7	CRV00030	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD
211	7	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03M	UGE3G03S
212	7	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M
213	7	CRV00030	LOOP	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD
214	7	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTACBN	UGE2G02S	UGE2G03M
215	7	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	U2G03TSM
216	7	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	U2G034.0
217	7	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTACBN	UGE2G02M	UGE2G03S
218	7	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G03S	U2G02TSM
219	7	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G03S	U2G024.0
220	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	U2G03TSM	U3G02TSM
221	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	U2G03TSM	U3G024.0
222	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G02M	U2G034.0	U3G02TSM
223	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	U2G02TSM	U3G03TSM

224	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	U2G02TSM	U3G034.0
225	7	JIVTHIGH	LOOP	NROSP4.0	UFTAX4.0	UGE2G03M	U2G024.0	U3G03TSM
226	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G02TSM	U3G034.0
227	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G024.0	U3G03TSM
228	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G03TSM	U3G024.0	4/34.0
229	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0	U3G02TSM	4/24.0
230	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G02M	U2G034.0	U3G03TSM	3/24.0
231	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G02TSM	U3G034.0
232	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G024.0	U3G03TSM
233	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G02TSM	U3G024.0	4/34.0
234	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0	U3G02TSM	4/14.0
235	7	JIVTHIGH	LOOP	NROSP4.0	UGE2G03M	U2G024.0	U3G03TSM	3/14.0
236	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G034.0	U3G03TSM
237	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G02TSM	U2G034.0	4/24.0
238	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U2G03TSM	U3G03TSM
239	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U2G03TSM	4/14.0
240	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G02M	U2G024.0	U3G03TSM	2/14.0
241	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G034.0	U3G02TSM
242	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G02TSM	U2G034.0	3/24.0
243	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U2G03TSM	U3G02TSM
244	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U2G03TSM	3/14.0
245	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G03M	U2G024.0	U3G02TSM	2/14.0
246	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G034.0	U3G03TSM
247	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G02TSM	U2G034.0	4/24.0
248	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U2G03TSM	U3G03TSM
249	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U2G03TSM	4/14.0
250	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G2SD	U2G024.0	U3G03TSM	2/14.0
251	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G034.0	U3G02TSM
252	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G02TSM	U2G034.0	3/24.0

253	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U2G03TSM	U3G02TSM
254	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U2G03TSM	3/14.0
255	7	JIVTHIGH	LOOP	NROSP4.0	UGE3G3SD	U2G024.0	U3G02TSM	2/14.0
256	7	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTACBN	UGE2G02S	UGE2G03M
257	7	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	U2G03TSM
258	7	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	U2G037.5
259	7	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTACBN	UGE2G02M	UGE2G03S
260	7	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G03S	U2G02TSM
261	7	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G03S	U2G027.5
262	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G03TSM	U3G02TSM
263	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G03TSM	U3G027.5
264	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G037.5	U3G02TSM
265	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G02M	U2G037.5	3/27.5
266	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G02TSM	U3G03TSM
267	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G02TSM	U3G037.5
268	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G027.5	U3G03TSM
269	7	JIVTLOM	LOOP	NROSP7.5	UFTAX7.5	UGE2G03M	U2G027.5	4/17.5
270	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G02TSM	U3G037.5
271	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G027.5	U3G03TSM
272	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G03TSM	U3G027.5	4/37.5
273	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G02TSM	4/27.5
274	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	U3G03TSM	3/27.5
275	7	JIVTLOM	LOOP	NROSP7.5	UGE2G02M	U2G037.5	3/27.5	4/237.5
276	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G02TSM	U3G037.5
277	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G027.5	U3G03TSM
278	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G02TSM	U3G027.5	4/37.5
279	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G02TSM	4/17.5
280	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	U3G03TSM	3/17.5
281	7	JIVTLOM	LOOP	NROSP7.5	UGE2G03M	U2G027.5	3/17.5	4/137.5

282	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G037.5	U3G03TSM
283	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G02TSM	U2G037.5	4/27.5
284	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2GC27.5	U2G03TSM	U3G03TSM
285	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U2G03TSM	4/17.5
286	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	U3G03TSM	2/17.5
287	7	JIVTLOM	LOOP	NROSP7.5	UGE3G02M	U2G027.5	2/17.5	4/127.5
288	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G037.5	U3G02TSM
289	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G02TSM	U2G037.5	3/27.5
290	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G03TSM	U3G02TSM
291	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U2G03TSM	3/17.5
292	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	U3G02TSM	2/17.5
293	7	JIVTLOM	LOOP	NROSP7.5	UGE3G03M	U2G027.5	2/17.5	3/127.5
294	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G037.5	U3G03TSM
295	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G02TSM	U2G037.5	4/27.5
296	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G03TSM	U3G03TSM
297	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U2G03TSM	4/17.5
298	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	U3G03TSM	2/17.5
299	7	JIVTLOM	LOOP	NROSP7.5	UGE3G2SD	U2G027.5	2/17.5	4/127.5
300	7	JIVTLOM	LOOP	NROSP7..	UGE3G3SD	U2G02TSM	U2G037.5	U3G02TSM
301	7	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G02TSM	U2G037.5	3/27.5
302	7	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G03TSM	U3G02TSM
303	7	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U2G03TSM	3/17.5
304	7	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	U3G02TSM	2/17.5
305	7	JIVTLOM	LOOP	NROSP7.5	UGE3G3SD	U2G027.5	2/17.5	3/127.5
306	7	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G02TSM	4/27.5
307	7	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	U3G03TSM	3/27.5
308	7	JIVTLOM	LOOP	NROSP7.5	U2G02TSM	U2G037.5	3/27.5	4/237.5
309	7	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G02TSM	4/17.5
310	7	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	U3G03TSM	3/17.5

311	7	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U2G03TSM	3/17.5	4/137.5
312	7	JIVTLOM	LOOP	NROSP 5	U2G027.5	U3G02TSM	2/17.5	4/127.5
313	7	JIVTLOM	LOOP	NROSP7.5	U2G027.5	U3G03TSM	2/17.5	3/127.5
314	7	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S
315	7	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
316	7	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R
317	7	LMV4716P	LOOP	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
318	7	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S
319	7	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
320	7	LMV4716P	LOOP	LPM0141R	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
321	7	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S
322	7	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S
323	7	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
324	7	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R
325	7	LMV4716P	LOOP	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
326	7	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S
327	7	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
328	7	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R
329	7	LMV4716P	LOOP	LPM0504M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
330	7	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
331	7	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
332	7	LMV4716P	LOOP	LPM0504R	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
333	7	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
334	7	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S
335	7	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
336	7	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R
337	7	LMV4716P	LOOP	LPM0504S	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
338	7	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S
339	7	LMV4716P	LOOP	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S

340	7	LMV4716P	LOOP	NROSP51M	NRZD251M	UCB0603N	UGE2G02S	UGE3G02M
341	7	LMV4716P	LOOP	NROSP51M	NRZD251M	UCB0603N	UGE2G02S	UGE3G02R
342	7	LMV4716P	LOOP	NROSP51M	NRZD253M	UCB0603N	UGE2G02S	UGE3G2SD
343	7	LMV4716P	LOOP	NROSP51M	NRZD251M	UFTAX51M	UGE2G02S	U2G03TSM
344	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UCB0404N	UGE2G03M	UGE3G03S
345	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UCB0404N	UGE2G03R	UGE3G03S
346	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UCB0404N	UGE2G03S	UGE3G03M
347	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UCB0404N	UGE2G03S	UGE3G03R
348	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UCB0404N	UGE2G03S	UGE3G3SD
349	7	LMV4716P	LOOP	NROSP51M	NRZD351M	UFTAX51M	UGE2G03S	U2G02TSM
350	7	LOOP	LOPMDISC	NROSP90M	NRZD290M	UFTACBN	UGE2G02S	UGE2G03M
351	7	LOOP	LOPMDISC	NROSP90M	NRZD290M	UFTAX90M	UGE2G02S	U2G03TSM
352	7	LOOP	LOPMDISC	NROSP90M	NRZD290M	UFTAX90M	UGE2G02S	U2G0390M
353	7	LOOP	LOPMDISC	NROSP90M	NRZD390M	UFTACBN	UGE2G02M	UGE2G03S
354	7	LOOP	LOPMDISC	NROSP90M	NRZD390M	UFTAX90M	UGE2G03S	U2G02TSM
355	7	LOOP	LOPMDISC	NROSP90M	NRZD390M	UFTAX90M	UGE2G03S	U2G0290M
356	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	U2G03TSM	U3G02TSM
357	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	U2G03TSM	U3G0290M
358	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G02M	U2G0390M	U3G02TSM
359	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	U2G02TSM	U3G03TSM
360	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	U2G02TSM	U3G0390M
361	7	LOOP	LOPMDISC	NROSP90M	UFTAX90M	UGE2G03M	U2G0290M	U3G03TSM
362	7	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G03TSM	U3G02TSM	U3G0390M
363	7	LOOP	LOPMDISC	NROSP90M	UGE2G02M	U2G03TSM	U3G0290M	U3G03TSM
364	7	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G02TSM	U3G02TSM	U3G0390M
365	7	LOOP	LOPMDISC	NROSP90M	UGE2G03M	U2G02TSM	U3G0290M	U3G03TSM
366	7	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G02TSM	U2G0390M	U3G03TSM
367	7	LOOP	LOPMDISC	NROSP90M	UGE3G02M	U2G0290M	U2G03TSM	U3G03TSM
368	7	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G02TSM	U2G0390M	U3G02TSM

369	7	LOOP	LOPMDISC	NROSP90M	UGE3G03M	U2G0290M	U2G03TSM	U3G02TSM
370	7	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G02TSM	U2G0390M	U3G03TSM
371	7	LOOP	LOPMDISC	NROSP90M	UGE3G2SD	U2G02Z90M	U2G03TSM	U3G03TSM
372	7	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G02TSM	U2G0390M	U3G02TSM
373	7	LOOP	LOPMDISC	NROSP90M	UGE3G3SD	U2G02Z90M	U2G03TSM	U3G02TSM
374	7	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
375	7	LOOP	LOPORFIL	LPM0141M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
376	7	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G05M	UGE3G03S
377	7	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
378	7	LOOP	LOPORFIL	LPM0141S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
379	7	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2DZ51M	UGE2G02S	UGE3G02M
380	7	LOOP	LOPORFIL	LPM0504M	NROSP51M	NR2DZ51M	UGE2G02S	UGE3G2SD
381	7	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2DZ51M	UGE2G02M	UGE3G02S
382	7	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2DZ51M	UGE2G02S	UGE3G02M
383	7	LOOP	LOPORFIL	LPM0504S	NROSP51M	NR2DZ51M	UGE2G02S	UGE3G2SD
384	7	LOOP	LOPORFIL	NROSP51M	NR2DZ51M	UCB0603N	UGE2G02M	UGE3G02S
385	7	LOOP	LOPORFIL	NROSP51M	NR2DZ51M	UCB0603N	UGE2G02S	UGE3G02M
386	7	LOOP	LOPORFIL	NROSP51M	NR2DZ51M	UCB0603N	UGE2G02S	UGE3G2SD
387	7	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03M	UGE3G03S
388	7	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M
389	7	LOOP	LOPORFIL	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD
390	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE3G03M
391	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE3G3SD
392	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G03R
393	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M
394	7	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G3SD
395	7	LOOP	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G05M	UGE3G03S
396	7	LOOP	LPM0141R	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
397	7	LOOP	LPM0141R	LPT0140S	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD

398	7	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G03R
399	7	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M
400	7	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G3SD
401	7	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S
402	7	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S
403	7	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
404	7	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R
405	7	LOOP	LPM0141S	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
406	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	UCB0613N	UGE3G03M	140/141S
407	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	UCB0613N	UGE3G3SD	140/141S
408	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03M	UGE3G03R	140/141S
409	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G03M	140/141S
410	7	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03R	UGE3G3SD	140/141S
411	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M
412	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE3G2SD
413	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UNTAX51M	UGE2G02R
414	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M
415	7	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD
416	7	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
417	7	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
418	7	LOOP	LPM0504R	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
419	7	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R
420	7	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M
421	7	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD
422	7	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
423	7	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S
424	7	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
425	7	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R
426	7	LOOP	LPM0504S	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD

427	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	UCB0413N	UGE3G02M	140/504S
428	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	UCB0413N	UGE3G2SD	140/504S
429	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02M	UGE3G02R	140/504S
430	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G02M	140/[illegible]
431	7	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02R	UGE3G2SD	140/504S
432	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S
433	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S
434	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M
435	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02R
436	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD
437	7	LOOP	LPT0140M	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	U2G03TSM
438	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03M	UGE3G03S
439	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03R	UGE3G03S
440	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M
441	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03R
442	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD
443	7	LOOP	LPT0140M	NROSP51M	NR2D351M	UFTAX51M	UGE2G03S	U2G02TSM
444	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N	UGE3G03M
445	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UCB0613N	UGE3G3SD
446	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03M	UGE3G03R
447	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	UGE3G03M
448	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	UGE3G3SD
449	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N	UGE3G02M
450	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UCB0603N	UGE3G2SD
451	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02M	UGE3G02R
452	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R	UGE3G02M
453	7	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R	UGE3G2SD
454	7	DG3/1R	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R
455	7	DG3/1R	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R

456	7	DG3/1R	LOOP	LPM0504S	LPT0140Y	NROSP51M	UGE2G02R	140/504S	
457	7	DG3/1R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0603N	UGE2G02R	
458	7	DG4/2R	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	UGE2G03R	
459	7	DG4/2R	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	UGE2G02R	
460	7	DG4/2R	LOOP	LPM0141S	LPT0140Y	NROSP51M	UGE2G03R	140/141S	
461	7	DG4/2R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0404N	UGE2G03R	
462	8	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
463	8	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
464	8	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
465	8	CRV0003O	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
466	8	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
467	8	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
468	8	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
469	8	CRV0003O	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
470	8	CRV0003O	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
471	8	CRV0003O	LOOP	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
472	8	CRV0003O	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
473	8	CRV0003O	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
474	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UFTAX4.0	UGE2G02S	UGE2G03M	U3G03TSM
475	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G02TSM	U3G034.0
476	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G024.0	U3G03TSM
477	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE2G03M	U3G024.0	4/34.0
478	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
479	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G03TSM	U3G034.0
480	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G034.0	U3G03TSM
481	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G02M	U2G034.0	4/24.0
482	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
483	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G03TSM	U3G024.0
484	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G034.0	U3G02TSM

485	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G03M	U2G034.0	3/24.0
486	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
487	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G03TSM	U3G034.0
488	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G034.0	U3G03TSM
489	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G2SD	U2G034.0	4/24.0
490	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
491	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G03TSM	U3G024.0
492	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G034.0	U3G02TSM
493	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	UGE3G3SD	U2G034.0	3/24.0
494	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G03TSM	U3G02TSM	U3G034.0
495	8	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	UGE2G02S	U2G03TSM	U3G024.0	U3G03TSM
496	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UFTAX4.0	UGE2G03M	UGE2G03S	U3G02TSM
497	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G02TSM	U3G034.0
498	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G024.0	U3G03TSM
499	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G02M	UGE2G03S	U3G024.0	4/34.0
500	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
501	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G02TSM	U3G034.0
502	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G024.0	U3G03TSM
503	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G02M	U2G024.0	4/14.0
504	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
505	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G02TSM	U3G024.0
506	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G024.0	U3G02TSM
507	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G03M	U2G024.0	3/14.0
508	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
509	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G02TSM	U3G034.0
510	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G024.0	U3G03TSM
511	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G2SD	U2G024.0	4/14.0
512	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
513	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G02TSM	U3G024.0

514	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G024.0	U3G02TSM
515	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	UGE3G3SD	U2G024.0	3/14.0
516	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G02TSM	U3G02TSM	U3G034.0
517	8	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	UGE2G03S	U2G02TSM	U3G024.0	U3G03TSM
518	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UFTAX4.0	UGE2G02M	UGE3G02S	U2G03TSM
519	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
520	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G03TSM	U3G034.0
521	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G034.0	U3G03TSM
522	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G02M	UGE3G02S	U2G034.0	4/24.0
523	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
524	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G02TSM	U3G034.0
525	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G024.0	U3G03TSM
526	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE2G03M	UGE3G02S	U2G024.0	4/14.0
527	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G02TSM	U2G034.0
528	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G024.0	U2G03TSM
529	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G03M	U2G024.0	2/14.0
530	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G02TSM	U2G034.0
531	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G024.0	U2G03TSM
532	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	UGE3G3SD	U2G024.0	2/14.0
533	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G02TSM	U2G034.0	U3G03TSM
534	8	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	UGE3G02S	U2G024.0	U2G03TSM	U3G03TSM
535	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UFTAX4.0	UGE2G03M	UGE3G03S	U2G02TSM
536	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
537	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G03TSM	U3G024.0
538	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G034.0	U3G02TSM
539	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G02M	UGE3G03S	U2G034.0	3/24.0
540	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
541	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G02TSM	U3G024.0
542	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G024.0	U3G02TSM

543	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE2G03M	UGE3G03S	U2G024.0	3/14.0
544	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G02TSM	U2G034.0
545	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G024.0	U2G03TSM
546	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G02M	UGE3G03S	U2G024.0	2/14.0
547	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G02TSM	U2G034.0
548	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G024.0	U2G03TSM
549	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	UGE3G2SD	U2G024.0	2/14.0
550	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G02TSM	U2G034.0	U3G02TSM
551	8	JIVTHIGH	LOOP	NROSP4.0	NR3D34.0	UGE3G03S	U2G024.0	U2G03TSM	U3G02TSM
552	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	U3G03TSM
553	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UFTAX7.5	UGE2G02S	UGE2G03M	U3G037.5
554	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G02TSM	U3G037.5
555	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G027.5	U3G03TSM
556	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE2G03M	U3G027.5	4/37.5
557	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
558	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G03TSM	U3G037.5
559	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G037.5	U3G03TSM
560	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G02M	U2G037.5	4/27.5
561	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
562	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G03TSM	U3G027.5
563	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G037.5	U3G02TSM
564	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G03M	U2G037.5	3/27.5
565	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
566	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G03TSM	U3G037.5
567	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G037.5	U3G03TSM
568	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G2SD	U2G037.5	4/27.5
569	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
570	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G03TSM	U3G027.5
571	8	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G037.5	U3G02TSM

572	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	UGE3G3SD	U2G037.5	3/27.5
573	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G02TSM	U3G037.5
574	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G027.5	U3G03TSM
575	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G03TSM	U3G027.5	4/37.5
576	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	U3G02TSM	4/27.5
577	8	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	UGE2G02S	U2G037.5	U3G03TSM	3/27.5
578	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	U3G02TSM
579	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UFTAX7.5	UGE2G02M	UGE2G03S	U3G027.5
580	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G02TSM	U3G037.5
581	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G027.5	U3G03TSM
582	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G02M	UGE2G03S	U3G027.5	4/37.5
583	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
584	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G02TSM	U3G037.5
585	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G027.5	U3G03TSM
586	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G02M	U2G027.5	4/17.5
587	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
588	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G02TSM	U3G027.5
589	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G027.5	U3G02TSM
590	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G03M	U2G027.5	3/17.5
591	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
592	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G02TSM	U3G037.5
593	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G027.5	U3G03TSM
594	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G2SD	U2G027.5	4/17.5
595	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
596	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G02TSM	U3G027.5
597	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G027.5	U3G02TSM
598	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	UGE3G3SD	U2G027.5	3/17.5
599	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G02TSM	U3G037.5
600	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G027.5	U3G03TSM

601	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G02TSM	U3G027.5	4/37.5
602	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	U3G02TSM	4/17.5
603	8	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	UGE2G03S	U2G027.5	U3G03TSM	3/17.5
604	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE3G02S	U2G03TSM
605	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE3G02S	U2G037.5
606	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
607	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G03TSM	U3G037.5
608	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G037.5	U3G03TSM
609	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G02M	UGE3G02S	U2G037.5	4/27.5
610	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
611	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G02TSM	U3G037.5
612	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G027.5	U3G03TSM
613	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE2G03M	UGE3G02S	U2G027.5	4/17.5
614	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G02TSM	U2G037.5
615	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G027.5	U2G03TSM
616	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G03M	U2G027.5	2/17.5
617	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G02TSM	U2G037.5
618	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G027.5	U2G03TSM
619	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	UGE3G3SD	U2G027.5	2/17.5
620	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G037.5	U3G03TSM
621	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G02TSM	U2G037.5	4/27.5
622	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U2G03TSM	U3G03TSM
623	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U2G03TSM	4/17.5
624	8	JIVTLOM	LOOP	NROSP7.5	NR3D27.5	UGE3G02S	U2G027.5	U3G03TSM	2/17.5
625	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UFTAX7.5	UGE2G03M	UGE3G03S	U2G02TSM
626	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UFTAX7.5	UGE2G03M	UGE3G03S	U2G027.5
627	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
628	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G03TSM	U3G027.5
629	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G037.5	U3G02TSM

630	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G02M	UGE3G03S	U2G037.5	3/27.5
631	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
632	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G02TSM	U3G027.5
633	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G027.5	U3G02TSM
634	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE2G03M	UGE3G03S	U2G027.5	3/17.5
635	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G02TSM	U2G037.5
636	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G027.5	U2G03TSM
637	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G02M	UGE3G03S	U2G027.5	2/17.5
638	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G02TSM	U2G037.5
639	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G027.5	U2G03TSM
640	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	UGE3G2SD	U2G027.5	2/17.5
641	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G037.5	U3G02TSM
642	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G02TSM	U2G037.5	3/27.5
643	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U2G03TSM	U3G02TSM
644	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U2G03TSM	3/17.5
645	8	JIVTLOM	LOOP	NROSP7.5	NR3D37.5	UGE3G03S	U2G027.5	U3G02TSM	2/17.5
646	8	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
647	8	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
648	8	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
649	8	LMV4716P	LOOP	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
650	8	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
651	8	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
652	8	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
653	8	LMV4716P	LOOP	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
654	8	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
655	8	LMV4716P	LOOP	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
656	8	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
657	8	LMV4716P	LOOP	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
658	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UFTAX90M	UGE2G02S	UGE2G03M	U3G03TSM

659	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	U3G02TSM	U3G0390M
660	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE2G03M	U3G0290M	U3G03TSM
661	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
662	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G03TSM	U3G0390M
663	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G02M	U2G0390M	U3G03TSM
664	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
665	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G03TSM	U3G0290M
666	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G03M	U2G0390M	U3G02TSM
667	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
668	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G0390M
669	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G2SD	U2G0390M	U3G03TSM
670	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
671	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G0290M
672	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	UGE3G3SD	U2G0390M	U3G02TSM
673	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G03TSM	U3G02TSM	U3G0390M
674	8	LOOP	LOPMDISC	NROSP90M	NR2D290M	UGE2G02S	U2G03TSM	U3G0290M	U3G03TSM
675	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UFTAX90M	UGE2G02M	UGE2G03S	U3G02TSM
676	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	U3G02TSM	U3G0390M
677	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G02M	UGE2G03S	U3G0290M	U3G03TSM
678	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
679	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	U2G02TSM	U3G0390M
680	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G02M	U2G0290M	U3G03TSM
681	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
682	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G02TSM	U3G0290M
683	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G03M	U2G0290M	U3G02TSM
684	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
685	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G0390M
686	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G2SD	U2G0290M	U3G03TSM
687	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM

688	8	LOOP	LOPMDISC	NRO P90M	NR2D390M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G0290M
689	8	LOOP	LOPMDISC	NRO.P90M	NR2D390M	UGE2GC3S	UGE3G3SD	U2G0290M	U3G02TSM
690	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G02TSM	U3G02TSM	U3G0390M
691	8	LOOP	LOPMDISC	NROSP90M	NR2D390M	UGE2G03S	U2G02TSM	U3G0290M	U3G03TSM
692	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UFTAX90M	UGE2G02M	UGE3G02S	U2G03TSM
693	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
694	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G03TSM	U3G0390M
695	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G02M	UGE3G02S	U2G0390M	U3G03TSM
696	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
697	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G02TSM	U3G0390M
698	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE2G03M	UGE3G02S	U2G0290M	U3G03TSM
699	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G03M	U2G02TSM	U2G0390M
700	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G03M	U2G0290M	U2G03TSM
701	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G3SD	U2G02TSM	U2G0390M
702	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	UGE3G3SD	U2G0290M	U2G03TSM
703	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G02TSM	U2G0390M	U3G03TSM
704	8	LOOP	LOPMDISC	NROSP90M	NR3D290M	UGE3G02S	U2G0290M	U2G03TSM	U3G03TSM
705	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	LFTAX90M	UGE2G03M	UGE3G03S	U2G02TSM
706	8	LOOP	LOPMDISC	NROSP90M	.R3D390M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
707	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	U2G03TSM	U3G0290M
708	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G02M	UGE3G03S	U2G0390M	U3G02TSM
709	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
710	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE2G03M	UGE3G03S	U2G02TSM	U3G0290M
711	8	LOOP	LOPMDISC	NROSP90M	NR3D390K	UGE2G03M	UGE3G03S	U2G0290M	U3G02TSM
712	8	LOOP	LOPMDISC	NROSP90M	NR3D390K	UGE3G02M	UGE3G03S	U2G02TSM	U2G0390M
713	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G02M	UGE3G03S	U2G0290M	U2G03TSM
714	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	UGE3G2SD	U2G02TSM	U2G0390M
715	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	UGE3G2SD	U2G0290M	U2G03TSM
716	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3G03S	U2G02TSM	U2G0390M	U3G02TSM

717	8	LOOP	LOPMDISC	NROSP90M	NR3D390M	UGE3C03S	U2G0290M	U2G03TSM	U3G02TSM
718	8	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
719	8	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
720	8	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
721	8	LOOP	LOPORFIL	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
722	8	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
723	8	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
724	8	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
725	8	LOOP	LOPORFIL	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
726	8	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
727	8	LOOP	LOPORFIL	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
728	8	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
729	8	LOOP	LOPORFIL	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
730	8	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03R	UGE3G03S
731	8	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
732	8	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R
733	8	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD
734	8	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S
735	8	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M
736	8	LOOP	LPM0141R	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03R	UGE3G3SD
737	8	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03M	UGE3G03S	140/141S
738	8	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03R	UGE3G03M	140/141S
739	8	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	140/141S
740	8	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03R	140/141S
741	8	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	140/141S
742	8	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S
743	8	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
744	8	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02S
745	8	LOOP	LPM0504M	PT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD

746	8	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S
747	8	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M
748	8	LOOP	LPM0504R	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD
749	8	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02M	UGE3G02S	140/504S
750	8	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02R	UGE3G02S	140/504S
751	8	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	140/504S
752	8	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02R	140/504S
753	8	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	140/504S
754	8	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
755	8	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
756	8	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
757	8	LOOP	LPT0140M	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
758	8	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
759	8	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
760	8	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
761	8	LOOP	LPT0140M	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
762	8	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
763	8	LOOP	LPT0140M	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
764	8	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
765	8	LOOP	LPT0140M	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
766	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02M	UGE3G02S
767	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02R	UGE3G02S
768	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02M
769	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G02R
770	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S	UGE3G2SD
771	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UFTAX51M	UGE2G02S	U2G03TSM
772	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03M	UGE3G03S
773	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03R	UGE3G03S
774	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03M

775	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G03R
776	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S	UGE3G3SD
777	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UFTAX51M	UGE2G03S	U2G02TSM
778	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G02M	U2G03TSM	U3G02TSM
779	8	LOOP	LPT0140S	LPT0140Y	NROSP51M	UFTAX51M	UGE2G03M	U2G02TSM	U3G03TSM
780	8	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
781	8	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
782	8	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
783	8	LOOP	NROSP51M	NR2D251M	SEALFAIL	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
784	8	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
785	8	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
786	8	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
787	8	LOOP	NROSP51M	NR2D351M	SEALFAIL	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
788	8	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
789	8	LOOP	NROSP51M	NR3D251M	SEALFAIL	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
790	8	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
791	8	LOOP	NROSP51M	NR3D351M	SEALFAIL	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
792	8	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UFTAX4.0	UGE2G02S
793	8	DG2/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UFTAX7.5	UGE2G02S
794	8	DG2/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S
795	8	DG2/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UFTAX90M	UGE2G02S
796	8	DG2/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S
797	8	DG3/1S	LOOP	LPM0504M	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S
798	8	DG3/1S	LOOP	LPM0504S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	140/504S
799	8	DG3/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UCB0603N	UGE2G02S
800	8	DG4/2S	LOOP	LPM0141M	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S
801	8	DG4/2S	LOOP	LPM0141S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	140/141S
802	8	DG4/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UCB0404N	UGE2G03S
803	8	DG3/1R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G03M

804	8	DG3/1R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G3SD	
805	8	DG3/2R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G03M	
806	8	DG3/2R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G3SD	
807	8	DG4/1R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G02M	
808	8	DG4/1R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02R	UGE3G2SD	
809	8	DG4/2R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G02M	
810	8	DG4/2R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03R	UGE3G2SD	
811	8	DG4/3R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0413N	UGE2G03M	UGE3G02R	
812	8	DG4/3R	LOOP	LPT0140S	LPT0140Y	NROSP51M	UCB0613N	UGE2G02M	UGE3G02R	
813	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G02M	U2G03TSM	U3G03TSM
814	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G03M	U2G03TSM	U3G02TSM
815	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G2SD	U2G03TSM	U3G03TSM
816	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	UGE2G02S	UGE3G3SD	U2G03TSM	U3G02TSM
817	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G02M	U2G02TSM	U3G03TSM
818	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G03M	U2G02TSM	U3G02TSM
819	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G2SD	U2G02TSM	U3G03TSM
820	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	UGE2G03S	UGE3G3SD	U2G02TSM	U3G02TSM
821	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G02M	UGE3G02S	U2G03TSM	U3G03TSM
822	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	UGE2G03M	UGE3G02S	U2G02TSM	U3G03TSM
823	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G02M	UGE3G03S	U2G03TSM	U3G02TSM
824	9	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D351M	UGE2G03M	UGE3G03S	U2G02TSM	U3G02TSM
825	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G02M	U3G03TSM
826	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G02M	U3G034.0
827	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G03M	U3G02TSM
828	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G03M	U3G024.0
829	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G2SD	U3G03TSM
830	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G2SD	U3G034.0
831	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G3SD	U3G02TSM
832	9	DG2/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	UGE3G3SD	U3G024.0

833	9	DGZ/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	U3G02TSM	U3G034.0
834	9	DGZ/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	UGE2G02S	U3G024.0	U3G03TSM
835	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G02M	U3G03TSM
836	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G02M	U3G037.5
837	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G03M	U3G02TSM
838	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G03M	U3G027.5
839	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G2SD	U3G03TSM
840	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G2SD	U3G037.5
841	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G3SD	U3G02TSM
842	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	UGE3G3SD	U3G027.5
843	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	U3G02TSM	U3G037.5
844	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	U3G027.5	U3G03TSM
845	9	DGZ/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	UGE2G02S	U3G027.5	4/37.5
846	9	DGZ/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M	U3G03TSM
847	9	DGZ/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03M	U3G02TSM
848	9	DGZ/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G2SD	U3G03TSM
849	9	DGZ/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G3SD	U3G02TSM
850	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G02M	U3G03TSM
851	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G02M	U3G0390M
852	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G03M	U3G02TSM
853	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G03M	U3G0290M
854	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G2SD	U3G03TSM
855	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G2SD	U3G0390M
856	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G3SD	U3G02TSM
857	9	DGZ/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	UGE2G02S	UGE3G3SD	U3G0290M
858	9	DGZ/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M	U3G03TSM
859	9	DGZ/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03M	U3G02TSM
860	9	DGZ/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G2SD	U3G03TSM
861	9	DGZ/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G3SD	U3G02TSM

862	9	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UFTAX51M	UGE2G02S
863	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	U3G03TSM
864	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE2G03M	U3G034.0
865	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G03M	U2G03TSM
866	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G03M	U2G034.0
867	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G3SD	U2G03TSM
868	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	UGE3G3SD	U2G034.0
869	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	U2G03TSM	U3G03TSM
870	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	U2G03TSM	U3G034.0
871	9	DG3/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	UGE2G02S	U2G034.0	U3G03TSM
872	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	U3G03TSM
873	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE2G03M	U3G037.5
874	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G03M	U2G03TSM
875	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G03M	U2G037.5
876	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G3SD	U2G03TSM
877	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	UGE3G3SD	U2G037.5
878	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	U2G03TSM	U3G03TSM
879	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	U2G03TSM	U3G037.5
880	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	U2G037.5	U3G03TSM
881	9	DG3/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	UGE2G02S	U2G037.5	4/27.5
882	9	DG3/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	U3G03TSM
883	9	DG3/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	U2G03TSM
884	9	DG3/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G3SD	U2G03TSM
885	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	U3G03TSM
886	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE2G03M	U3G0390M
887	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G03M	U2G03TSM
888	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G03M	U2G0390M
889	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G3SD	U2G03TSM
890	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	UGE3G3SD	U2G0390M

891	9	DG3/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	UGE2G02S	U2G03TSM	U3G03TSM
892	9	DG3/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M	U3G03TSM
893	9	DG3/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G03M	U2G03TSM
894	9	DG3/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G3SD	U2G03TSM
895	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UFTAX4.0	UGE2G02M	UGE2G03S
896	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	U3G03TSM
897	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G02M	UGE2G03S	U3G034.0
898	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G03M	U2G02TSM
899	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G03M	U2G024.0
900	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G3SD	U2G02TSM
901	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	UGE3G3SD	U2G024.0
902	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	U2G02TSM	U3G03TSM
903	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	U2G02TSM	U3G034.0
904	9	DG3/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	UGE2G03S	U2G024.0	U3G03TSM
905	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UFTAX7.5	UGE2G02M	UGE2G03S
906	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	U3G03TSM
907	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G02M	UGE2G03S	U3G037.5
908	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G03M	U2G02TSM
909	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G03M	U2G027.5
910	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G3SD	U2G02TSM
911	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	UGE3G3SD	U2G027.5
912	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	U2G02TSM	U3G03TSM
913	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	U2G02TSM	U3G037.5
914	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	U2G027.5	U3G03TSM
915	9	DG3/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	UGE2G03S	U2G027.5	4/17.5
916	9	DG3/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	U3G03TSM
917	9	DG3/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G03M	U2G02TSM
918	9	DG3/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G3SD	U2G02TSM
919	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UFTAX90M	UGE2G02M	UGE2G03S

920	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	U3G03TSM
921	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G02M	UGE2G03S	U3G0390M
922	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G03M	U2G02TSM
923	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G03M	U2G0290M
924	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G3SD	U2G02TSM
925	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	UGE3G3SD	U2G0290M
926	9	DG3/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	UGE2G03S	U2G02TSM	U3G03TSM
927	9	DG3/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S	U3G03TSM
928	9	DG3/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G03M	U2G02TSM
929	9	DG3/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G3SD	U2G02TSM
930	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UFTAX4.0	UGE2G02S	UGE2G03M
931	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	U3G02TSM
932	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE2G03M	U3G024.0
933	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G02M	U2G03TSM
934	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G02M	U2G034.0
935	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G2SD	U2G03TSM
936	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	UGE3G2SD	U2G034.0
937	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	U2G03TSM	U3G02TSM
938	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	U2G03TSM	U3G024.0
939	9	DG4/1S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D34.0	UGE2G02S	U2G034.0	U3G02TSM
940	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UFTAX7.5	UGE2G02S	UGE2G03M
941	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	U3G02TSM
942	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE2G03M	U3G027.5
943	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G02M	U2G03TSM
944	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G02M	U2G037.5
945	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G2SD	U2G03TSM
946	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	UGE3G2SD	U2G037.5
947	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	U2G03TSM	U3G02TSM
948	9	DG4/1S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	U2G03TSM	U3G027.5

949	9	DG4/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	U2G037.5	U3G02TSM
950	9	DG4/1S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR3D37.5	UGE2G02S	U2G037.5	3/27.5
951	9	DG4/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	U3G02TSM
952	9	DG4/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02M	U2G03TSM
953	9	DG4/1S	LMV4716P	LOOP	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G2SD	U2G03TSM
954	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UFTAX90M	UGE2G02S	UGE2G03M
955	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	U3G02TSM
956	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE2G03M	U3G0290M
957	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G02M	U2G03TSM
958	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G02M	U2G0390M
959	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G2SD	U2G03TSM
960	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	UGE3G2SD	U2G0390M
961	9	DG4/1S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D390M	UGE2G02S	U2G03TSM	U3G02TSM
962	9	DG4/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M	U3G02TSM
963	9	DG4/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02M	U2G03TSM
964	9	DG4/1S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G2SD	U2G03TSM
965	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	U3G02TSM
966	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G02M	UGE2G03S	U3G024.0
967	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G02M	U2G02TSM
968	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G02M	U2G024.0
969	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G2SD	U2G02TSM
970	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	UGE3G2SD	U2G024.0
971	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	U2G02TSM	U3G02TSM
972	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	U2G02TSM	U3G024.0
973	9	DG4/2S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D34.0	UGE2G03S	U2G024.0	U3G02TSM
974	9	DG4/2S	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	U3G02TSM
975	9	DG4/2S	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G02M	UGE2G03S	U3G027.5
976	9	DG4/2S	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G02M	U2G02TSM
977	9	DG4/2S	JIVTLOM	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G02M	U2G027.5

978	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G2SD	U2G02TSM
979	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	UGE3G2SD	U2G027.5
980	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	U2G02TSM	U3G02TSM
981	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	U2G02TSM	U3G027.5
982	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	U2G027.5	U3G02TSM
983	9	DG4/2S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D37.5	UGE2G03S	U2G027.5	3/17.5
984	9	DG4/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	U3G02TSM
985	9	DG4/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G02M	U2G02TSM
986	9	DG4/2S	LMV4716P	LOOP	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G2SD	U2G02TSM
987	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	U3G02TSM
988	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G02M	UGE2G03S	U3G0290M
989	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G02M	U2G02TSM
990	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G02M	U2G0290M
991	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G2SD	U2G02TSM
992	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	UGE3G2SD	U2G0290M
993	9	DG4/2S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D390M	UGE2G03S	U2G02TSM	U3G02TSM
994	9	DG4/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S	U3G02TSM
995	9	DG4/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G02M	U2G02TSM
996	9	DG4/2S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G2SD	U2G02TSM
997	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE3G02S	U2G03TSM
998	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G02M	UGE3G02S	U2G034.0
999	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G03M	UGE3G02S	U2G02TSM
1000	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE2G03M	UGE3G02S	U2G024.0
1001	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE3G02S	U2G02TSM	U2G034.0
1002	9	DG4/3S	JIVTHIGH	LOOP	NROSP4.0	NR3D24.0	NR3D34.0	UGE3G02S	U2G024.0	U2G03TSM
1003	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE3G02S	U2G03TSM
1004	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G02M	UGE3G02S	U2G037.5
1005	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G03M	UGE3G02S	U2G02TSM
1006	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE2G03M	UGE3G02S	U2G027.5

1007	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	U2G02TSM	U2G037.5
1008	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	U2G027.5	U2G03TSM
1009	9	DG4/3S	JIVTLOW	LOOP	NROSP7.5	NR3D27.5	NR3D37.5	UGE3G02S	U2G027.5	2/17.5
1010	9	DG4/3S	LMV4716P	LOOP	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE3G02S	U2G03TSM
1011	9	DG4/3S	LMV4716P	LOOP	NROSP51M	NR3D251M	NR3D351M	UGE2G03M	UGE3G02S	U2G02TSM
1012	9	DG4/3S	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G02M	UGE3G02S	U2G03TSM
1013	9	DG4/3S	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G02M	UGE3G02S	U2G0390M
1014	9	DG4/3S	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G03M	UGE3G02S	U2G02TSM
1015	9	DG4/3S	LOOP	LOPMDISC	NROSP90M	NR3D290M	NR3D390M	UGE2G03M	UGE3G02S	U2G0290M
1016	9	DG4/3S	LOOP	LPT0140M	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE3G02S	U2G03TSM
1017	9	DG4/3S	LOOP	LPT0140M	NROSP51M	NR3D251M	NR3D351M	UGE2G03M	UGE3G02S	U2G02TSM
1018	10	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G02M
		U3G03TSM								
1019	10	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G03M
		U3G02TSM								
1020	10	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G2SD
		U3G03TSM								
1021	10	DG2/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	UGE2G02S	UGE3G3SD
		U3G02TSM								
1022	10	DG2/1S	DG3/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S
		UGE3G03M								
1023	10	DG2/1S	DG3/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S
		UGE3G3SD								
1024	10	DG2/1S	DG3/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0	UGE2G02S
		U3G03TSM								
1025	10	DG2/1S	DG3/12S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S
		UGE3G03M								
1026	10	DG2/1S	DG3/12S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S
		UGE3G3SD								

1027	10	DG2/1S	DG3/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S
		U3G03TSM								
1028	10	DG2/1S	DG3/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5	UGE2G02S
		U3G037.5								
1029	10	DG2/1S	DG3/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S
		UGE3G03M								
1030	10	DG2/1S	DG3/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S
		UGE3G3SD								
1031	10	DG2/1S	DG3/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M	UGE2G02S
		U3G03TSM								
1032	10	DG2/1S	DG3/12S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	NR3D251M	UGE2G02S
		UGE3G03M								
1033	10	DG2/1S	DG3/12S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	NR3D251M	UGE2G02S
		UGE3G3SD								
1034	10	DG2/1S	DG4/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S
		UGE3G02M								
1035	10	DG2/1S	DG4/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S
		UGE3G2SD								
1036	10	DG2/1S	DG4/12S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D34.0	UGE2G02S
		U3G02TSM								
1037	10	DG2/1S	DG4/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S
		UGE3G02M								
1038	10	DG2/1S	DG4/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S
		UGE3G2SD								
1039	10	DG2/1S	DG4/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S
		U3G02TSM								
1040	10	DG2/1S	DG4/12S	JIVTLOM	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D37.5	UGE2G02S
		U3G027.5								
1041	10	DG2/1S	DG4/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S

		UGE3G02M								
1042	10	DG2/1S	DG4/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S
		UGE3G2SD								
1043	10	DG2/1S	DG4/12S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D390M	UGE2G02S
		U3G02TSM								
1044	10	DG2/1S	DG4/12S	LOOP	LPT014CM	NROSP51M	NR2D251M	NR2D351M	NR3D351M	UGE3G02S
		UGE3G02M								
1045	10	DG2/1S	DG4/12S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR2D351M	NR3D351M	UGE2G02S
		UGE3G2SD								
1046	10	DG3/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE2G03M
		U3G03TSM								
1047	10	DG3/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G03M
		U2G03TSM								
1048	10	DG3/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	UGE3G3SD
		U2G03TSM								
1049	10	DG3/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D251M	UGE2G02S	U2G03TSM
		U3G03TSM								
1050	10	DG3/1S	DG4/13S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	NR3D34.0	UGE2G02S
		UGE2G03M								
1051	10	DG3/1S	DG4/13S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR3D24.0	NR3D34.0	UGE2G02S
		U2G03TSM								
1052	10	DG3/1S	DG4/13S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S
		UGE2G03M								
1053	10	DG3/1S	DG4/13S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S
		U2G03TSM								
1054	10	DG3/1S	DG4/13S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR3D27.5	NR3D37.5	UGE2G02S
		U2G037.5								
1055	10	DG3/1S	DG4/13S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	NR3D390M	UGE2G02S
		UGE2G03M								

1056	10	DG3/1S	DG4/13S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR3D290M	NR3D390M	UGE2G02S
		U2G03TSM								
1057	10	DG3/1S	DG4/13S	LOOP	LPT0140M	NROSP51M	NR2D251M	NR3D251M	NR3D351M	UGE2G02S
		UGE2G03M								
1058	10	DG3/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G02M	UGE2G03S
		U3G03TSM								
1059	10	DG3/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G03M
		U2G02TSM								
1060	10	DG3/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	UGE3G3SD
		U2G02TSM								
1061	10	DG3/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	UGE2G03S	U2G02TSM
		U3G03TSM								
1062	10	DG3/2S	DG4/23S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	NR3D34.0	UGE2G02M
		UGE2G03S								
1063	10	DG3/2S	DG4/23S	JIVTHIGH	LOOP	NROSP4.0	NR2D34.0	NR3D24.0	NR3D34.0	UGE2G03S
		U2G02TSM								
1064	10	DG3/2S	DG4/23S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G02M
		UGE2G03S								
1065	10	DG3/2S	DG4/23S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G03S
		U2G02TSM								
1066	10	DG3/2S	DG4/23S	JIVTLOW	LOOP	NROSP7.5	NR2D37.5	NR3D27.5	NR3D37.5	UGE2G03S
		U2G027.5								
1067	10	DG3/2S	DG4/23S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	NR3D390M	UGE2G02M
		UGE2G03S								
1068	10	DG3/2S	DG4/23S	LOOP	LOPMDISC	NROSP90M	NR2D390M	NR3D290M	NR3D390M	UGE2G03S
		U2G02TSM								
1069	10	DG3/2S	DG4/23S	LOOP	LPT0140M	NROSP51M	NR2D351M	NR3D251M	NR3D351M	UGE2G02M
		UGE2G03S								
1070	10	DG4/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE2G03M

		U3G02TSM								
1071	10	DG4/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G02M
		U2G03TSM								
1072	10	DG4/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	UGE3G2SD
		U2G03TSM								
1073	10	DG4/1S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR3D351M	UGE2G02S	U2G03TSM
		U3G02TSM								
1074	10	DG4/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G02M	UGE2G03S
		U3G02TSM								
1075	10	DG4/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G02M
		U2G02TSM								
1076	10	DG4/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	UGE3G2SD
		U2G02TSM								
1077	10	DG4/2S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D351M	UGE2G03S	U2G02TSM
		U3G02TSM								
1078	10	DG4/3S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE2G02M	UGE3G02S
		U2G03TSM								
1079	10	DG4/3S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR3D251M	NR3D351M	UGE2G03M	UGE3G02S
		U2G02TSM								
1080	11	DG2/1S	DG3/12S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D251M
		UGE2G02S	UGE3G03M							
1081	11	DG2/1S	DG3/12S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D251M
		UGE2G02S	UGE3G3SD							
1082	11	DG2/1S	DG3/12S	DG4/123S	JIVTHIGH	LOOP	NROSP4.0	NR2D24.0	NR2D34.0	NR3D24.0
		NR3D34.0	UGE2G02S							
1083	11	DG2/1S	DG3/12S	DG4/123S	JIVTLOW	LOOP	NROSP7.5	NR2D27.5	NR2D37.5	NR3D27.5
		NR3D37.5	UGE2G02S							
1084	11	DG2/1S	DG3/12S	DG4/123S	LOOP	LOPMDISC	NROSP90M	NR2D290M	NR2D390M	NR3D290M
		NR3D390M	UGE2G02S							

1085	11	DG2/1S	DG4/12S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D351M	
		UGE2G02S	UGE3G02M								
1086	11	DG2/1S	DG4/12S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D251M	NR2D351M	NR3D351M	
		UGE2G02S	UGE3G2SD								
1087	11	DG3/1S	DG4/13S	LOOP	LPT014GS	LPT014JY	NROSP51M	NR2D251M	NR3D251M	NR3D351M	
		UGE2G02S	UGE2G03M								
1088	11	DG3/2S	DG4/23S	LOOP	LPT0140S	LPT0140Y	NROSP51M	NR2D351M	NR3D251M	NR3D351M	
		UGE2G02M	UGE2G03S								

SYSTEM RELIABILITY W/ DG CROSS-TIE

MONTE CARLO SIMULATION RESULTS (1000 TRIALS)

INDEX OF SORTED VALUE	10	50	100	500	900	950	990
CONFIDENCE LEVEL IN PER CENT	(98)	(90)	(80)		(80)	(90)	(98)
PERCENTILE	1	5	10	50	90	95	99

MEAN FROM IMPORTANCE/ COMPUTED MEAN

PROB OF TOP EVENT 0.539E-05/ 0.197E-05 0.165E-05 0.545E-07 0.862E-07 0.421E-06 0.270E-05 0.494E-05 0.106E-04

0.141E-06 0.137E-05

```
** SPECIAL PI FOR LOOP CONDITIONS
**LL
SORT
PRTDNF
FRMBLK
MEX
UGE2G02S  UGE2G03S
UGE2G02S  UGE2G03M
UGE2G02S  UGE2G03R
UGE2G02R  JGE2G03S
UGE2G02R  UGE2G03M
UGE2G02R  UGE2G03R
UGE2G02M  UGE2G03S
UGE2G02M  UGE2G03M
UGE2G02M  UGE2G03R
UZG02TSM  U2G03TSM
```

```
** MASTER PI WITH FINAL REVISIONS
**XX
SORT
PRTDNF
FRMBLK
MEX
LPM0141M  LPM0504M  LPT0140M
NPM0012M  NPM0013M
HPM0017M  HPM0018M  HPM0019M
UGE2G02M  UGE3G02M  UGE2G03M  UGE3G03M
UGE2G03M  UGE3G2SD  UGE3G3SD
UGE2G02M  UGE3G2SD  UGE3G3SD
UGE3G02M  UGE3G2SD  UGE3G3SD
UGE3G03M  UGE3G2SD  UGE3G3SD
U2G02TSM  U2G03TSM
U3G02TSM  U3G03TSM
PHE0001M  PHE0002M  PHE2HTTM  PHE1HTTM
PHE0001M  NPM0013M
PHE0002M  NPM0012M
UGE2G02M  LPM0504M
UGE2G03M  LPM0141M
UGE2G02M  NPM0013M
UGE2G03M  NPM0012M
UGE3G2SD  UGE3G3SD
HINJECTN  HRECIRC
APM0015M  APM0014M
UGE2G02M  APM0026M
UGE2G03M  APM0015M
PHE0001M  APM0016M
PHE0002M  APM0015M
SUB
*
UGE2G02S  UGE2G03S  UGE3G02S  UGE3G03S
**
UGE2G02S  DG2/1S    DG3/123   DG4/123S
*
UGE2G02S  UGE2G03S  UGE3G02S
**
UGE2G02S  DG2/1S    DG3/12S
*
UGE2G02S  UGE2G03S  UGE3G03S
**
UGE2G02S  DG2/1S    DG4/12S
*
UGE2G02S  UGE3G02S  UGE3G03S
**
UGE2G02S  DG3/1S    DG4/13S
*
UGE2G03S  UGE3G02S  UGE3G03S
**
UGE2G03S  DG3/2S    DG4/23S
*
UGE2G02S  UGE2G03S
**
UGE2G02S  DG2/1S
*
UGE2G02S  UGE3G02S
**
```

```
UGE2G02S  DG3/1S
*
UGE2G02S  UGE3G03S
**
UGE2G02S  DG4/1S
*
UGE2G03S  UGE3G02S
**
UGE2G03S  DG3/2S
*
UGE2G03S  UGE3G03S
**
UGE2G03S  DG4/2S
*
UGE3G02S  UGE3G03S
**
UGE3G02S  DG4/3S
*
UGE2G02R  UGE2G03R  UGE3G02R  UGE3G03R
**
UGE2G02R  DG2/1R    DG3/12R   DG4/123R
*
UGE2G02R  UGE2G03R  UGE3G02R
**
UGE2G02R  DG2/1R    DG3/12R
*
UGE2G02R  UGE2G03R  UGE3G03R
**
UGE2G02R  DG2/1R    DG4/12R
*
UGE2G02R  UGE3G02R  UGE3G03R
**
UGE2G02R  DG3/1R    DG4/13R
*
UGE2G03R  UGE3G02R  UGE3G03R
**
UGE2G03R  DG3/2R    DG4/23R
*
UGE2G02R  UGE2G03R
**
UGE2G02R  DG2/1R
*
UGE2G02R  UGE3G02R
**
UGE2G02R  DG3/1R
*
UGE2G02R  UGE3G03R
**
UGE2G02R  DG4/1R
*
UGE2G03R  UGE3G02R
**
UGE2G03R  DG3/2R
*
UGE2G03R  UGE3G03R
**
UGE2G03R  DG4/2R
*
```

```
UGE3G02R  UGE3G03R
**
UGE3G02R  DG4/3R
*
U2G0251M  U2G0351M  U3G0251M  U3G0351M
**
U2G0251M  2/151M    3/1251M   4/12351M
*
U2G0251M  U2G0351M  U3G0251M
**
U2G0251M  2/151M    3/1251M
*
U2G0251M  U2G0351M  U3G0351M
**
U2G0251M  2/151M    [illegible]251M
*
U2G0251M  U3G0251M  U3G0351M
**
U2G0251M  3/151M    4/1351M
*
U2G0351M  U3G0251M  U3G0351M
**
U2G0351M  3/251M    4/2351M
*
U2G0251M  U2G0351M
**
U2G0251M  2/151M
*
U2G0251M  U3G0251M
**
U2G0251M  3/151M
*
U2G0251M  U3G0351M
**
U2G0251M  4/151M
*
U2G0351M  U3G0251M
**
U2G0351M  3/251M
*
U2G0351M  U3G0351M
**
U2G0351M  4/251M
*
U3G0251M  U3G0351M
**
U3G0251M  4/351M
*
U2G0290M  U2G0390M  U3G0290M  U3G0390M
**
U2G0290M  2/190M    3/1290M   4/12390M
*
U2G0290M  U2G0390M  U3G0290M
**
U2G0290M  2/190M    3/1290M
*
U2G0290M  U2G0390M  U3G0390M
**
```

U2G0290M 2/190M 4/1290M
*
U2G0290M U3G0290M U3G0390M
**
U2G0290M 3/190M 4/1390M
*
U2G0390M U3G0290M U3G0390M
**
U2G0390M 3/290M 4/2390M
*
U2G0290M U2G0390M
**
U2G0290M 2/19[illegible]
*
U2G0290M U3G0[illegible]
**
U2G0290M 3/190M
*
U2G0290M U3G0390M
**
U2G0290M 4/190M
*
U2G0390M U3G0290M
**
U2G0390M 3/290M
*
U2G0390M U3G0[illegible]0M
**
U2G0390M 4/29[illegible]
*
U3G0290M U3G0390M
**
U3G0290M 4/390M
*
U2G022.0 U2G032.0 U3G022.0 U3G032.0
**
U2G022.0 2/12.0 3/122.0 4/1232.0
*
U2G022.0 U2G032.0 U3G022.0
**
U2G022.0 2/12.0 3/122.0
*
U2G022.0 U2G032.0 U3G032.0
**
U2G022.0 2/12.0 4/122.0
*
U2G022.0 U3G022.0 U3G032.0
**
U2G022.0 3/12.0 4/132.0
*
U2G032.0 U3G022.0 U3G032.0
**
U2G032.0 3/22.0 4/232.0
*
U2G022.0 U2G032.0
**
U2G022.0 2/12.0
*

```
U2G022.0  U3G022.0
**
U2G022.0  3/12.0
*
U2G022.0  U3G032.0
**
U2G022.0  4/12.0
*
U2G032.0  U3G022.0
**
U2G032.0  3/22.0
*
U2G032.0  U3G032.0
**
U2G032.0  4/22.0
*
U3G022.0  U3G032.0
**
U3G022.0  4/32.0
*
U2G023.0  U2G033.0  U3G023.0  U3G033.0
**
U2G0 .0   2/13.0    3/123.0   4/1233.0
*
U2G023.0  U2G033.0  U3G023.0
**
U2G023.0  2/13.0    3/123.0
*
U2G023.0  U2G033.0  U3G033.0
**
U2G023.0  2/13.0    4/123.0
*
U2G023.0  U3G023.0  U3G033.0
**
U2G023.0  3/13.0    4/133.0
*
U2G033.0  U3G023.0  U3G033.0
**
U2G033.0  3/23.0    4/233.0
*
U2G023.0  U2G033.0
**
U2G023.0  2/13.0
*
U2G023.0  U3G023.0
**
U2G023.0  3/13.0
*
U2G023.0  U3G033.0
**
U2G023.0  4/13.0
*
U2G033.0  U3G023.0
**
U2G033.0  3/23.0
*
U2G033.0  U3G033.0
**
```

```
U2G033.0  4/23.0
*
U3G023.0  U3G033.0
**
U3G023.0  4/33.0
*
U2G024.0  U2G034.0  U3G024.0  U3G034.0
**
U2G024.0  2/14.0    3/124.0   4/1234.0
*
U2G024.0  U2G034.0  U3G024.0
**
U2G024.0  2/14.0    3/124.0
*
U2G024.0  U2G034.0  U3G034.0
**
U2G024.0  2/14.0    4/124.0
*
U2G024.0  U3G024.0  U3G034.0
**
U2G024.0  3/14.0    4/134.0
*
U2G034.0  U3G024.0  U3G034.0
**
U2G034.0  3/24.0    4/234.0
*
U2G024.0  U2G034.0
**
U2G024.0  2/14.0
*
U2G024.0  U3G024.0
**
U2G024.0  3/14.0
*
U2G024.0  U3G034.0
**
U2G024.0  4/14.0
*
U2G034.0  U3G024.0
**
U2G034.0  3/24.0
*
U2G034.0  U3G034.0
**
U2G034.0  4/24.0
*
U3G024.0  U3G034.0
**
U3G024.0  4/34.0
*
U2G027.5  U2G037.5  U3G027.5  U3G037.5
**
U2G027.5  2/17.5    3/127.5   4/1237.5
*
U2G027.5  U2G037.5  U3G027.5
**
U2G027.5  2/17.5    3/127.5
*
```

```
U2G027.5  U2G037.5  U3G037.5
**
U2G027.5  2/17.5    4/127.5
*
U2G027.5  U3G027.5  U3G037.5
**
U2G027.5  3/17.5    4/137.5
*
U2G037.5  U3G027.5  U3G037.5
**
U2G037.5  3/27.5    4/237.5
*
U2G027.5  U2G037.5
**
U2G027.5  2/17.5
*
U2G027.5  U3G027.5
**
U2G027.5  3/17.5
*
U2G027.5  U3G037.5
**
U2G027.5  4/17.5
*
U2G037.5  U3G027.5
**
U2G037.5  3/27.5
*
U2G037.5  U3G037.5
**
U2G037.5  4/27.5
*
U3G027.5  U3G037.5
**
U3G027.5  4/37.5
*
UOPFTA04  UOPFTA06
**
UOPFTA46
*
UFTA451M  UFTA651M
**
UFT4651M
*
UFTA490M  UFTA690M
**
UFT4690M
*
UFTA42.0  UFTA62.0
**
UFT462.0
*
UFTA43.0  UFTA63.0
**
UFT463.0
*
UFTA64.0  UFTA64.0
**
```

```
UFT464.0
*
UFTA47.5  UFTA67.5
**
UFT467.5
*
LPM0141S  LPM0504S  LPT0140S
**
LPM0141S  504/141S  140/MDSS
*
LPM0141S  LPM0504S
**
LPM0141S  504/141S
*
LPM0141S  LPT0140S
**
LPM0141S  140/141S
*
LPM0504S  LPT0140S
**
LPM0504S  140/504S
*
LPM0141R  LPM0504R  LPT0140R
**
LPM0141R  504/141R  140/MDSR
*
LPM0141R  LPM0504R
**
LPM0141R  504/141R
*
LPM0141R  LPT0140R
**
LPM0141R  140/141R
*
LPM0504R  LPT0140R
**
LPM0504R  140/504R
*
NPM0012S  NPM0013S
**
NPM0012S  N13/12S
*
NPM0012R  NPM0013R
**
NPM0012R  N13/12R
*
HPM0017S  HPM0018S  HPM0019S
**
HPM0017S  H18/17S   H19/178S
*
HPM0017S  HPM0018S
**
HPM0017S  H18/17S
*
HPM0018S  HPM0019S
**
HPM0018S  H19/18S
*
```

```
HPM0017S  HPM0019S
**
HPM0017S  H19/17S
*
HPM0017R  HPM0018R  HPM0019R
**
HPM0017R  H18/17R   H19/178R
*
HPM0017R  HPM0018R
**
HPM0017R  H18/17R
*
HPM0018R  HPM0019R
**
HPM0018R  H19/18R
*
HPM0017R  HPM0019R
**
HPM0017R  H19/17R
*
APM0015S  APM0016S
**
APM0015S  A16/15S
*
APM0015R  APM0016R
**
APM0015R  A16/15R
*
LMV4705P  LMV4706P  LMV4712P  LMV4713P  LMV4715P  LMV4730P
**
LVABCDEF
*
LMV4705P  LMV4706P  LMV4712P  LMV4713P  LMV4715P
**
LVABCDE
*
LMV4705P  LMV4706P  LMV4712P  LMV4713P  LMV4730P
**
LVABCDF
*
LMV4705P  LMV4706P  LMV4712P  LMV4715P  LMV4730P
**
LVABCEF
*
LMV4705P  LMV4706P  LMV4713P  LMV4715P  LMV4730P
**
LVABDEF
*
LMV4705P  LMV4712P  LMV4713P  LMV4715P  LMV4730P
**
LVACDEF
*
LMV4706P  LMV4712P  LMV4713P  LMV4715P  LMV4730P
**
LVBCDEF
*
LMV4705P  LMV4706P  LMV4712P  LMV4713P
**
```

LVABCD
*
LMV4705P LMV4706P LMV4712P LMV4715P
**
LVABCE
*
LMV4705P LMV4706P LMV4712P LMV4730P
**
LVABCF
*
LMV4705P LMV4706P LMV4713P LMV4715P
**
LVABDE
*
LMV4705P LMV4706P LMV4713P LMV4730P
**
LVABDF
*
LMV4705P LMV4706P LMV4715P LMV4730P
**
LVABEF
*
LMV4705P LMV4712P LMV4713P LMV4715P
**
LVACDE
*
LMV4705P LMV4712P LMV4713P LMV4730P
**
LVACDF
*
LMV4705P LMV4712P LMV4715P LMV4730P
**
LVACEF
*
LMV4705P LMV4713P LMV4715P LMV4730P
**
LVADEF
*
LMV4706P LMV4712P LMV4713P LMV4715P
**
LVBCDE
*
LMV4706P LMV4712P LMV4713P LMV4730P
**
LVBCDF
*
LMV4706P LMV4712P LMV4715P LMV4730P
**
LVBCEF
*
LMV4712P LMV4713P LMV4715P LMV4730P
**
LVCDEF
*
LMV4706P LMV4713P LMV4715P LMV4730P
**
LVBDEF
*

```
LMV4705P  LMV4706P  LMV4712P
**
LVABC
*
LMV4705P  LMV4706P  LMV4713P
**
LVABD
*
LMV4705P  LMV4706P  LMV4715P
**
LVABE
*
LMV4705P  LMV4706P  LMV4730P
**
LVABF
*
LMV4705P  LMV4712P  LMV4713P
**
LVACD
*
LMV4705P  LMV4712P  LMV4715P
**
LVACE
*
LMV4705P  LMV4712P  LMV4730P
**
LVACF
*
LMV4705P  LMV4713P  LMV4715P
**
LVADE
*
LMV4705P  LMV4713P  LMV4730P
**
LVADF
*
LMV4705P  LMV4715P  LMV4730P
**
LVAEF
*
LMV4706P  LMV4712P  LMV4713P
**
LVBCD
*
LMV4706P  LMV4712P  LMV4715P
**
LVBCE
*
LMV4706P  LMV4712P  LMV4730P
**
LVBCF
*
LMV4712P  LMV4713P  LMV4715P
**
LVCDE
*
LMV4712P  LMV4713P  LMV4730P
**
```

```
LVCDF
*
LMV4712P  LMV4715P  LMV4730P
**
LVCEF
*
LMV4713P  LMV4715P  LMV4730P
**
LVDEF
*
LMV4706P  LMV4713P  LMV4715P
**
LVBDE
*
LMV4706P  LMV4713P  LMV4730P
**
LVBDF
*
LMV4706P  LMV4715P  LMV4730P
**
LVBEF
*
LMV4713P  LMV4715P  LMV4716P
**
LVDEG
*
LMV4712P  LMV4730P  LMV4716P
**
LVCFG
*
LMV4712P  LMV 713P  LMV4716P
**
LVCDG
*
LMV4715P  LMV4730P  LMV4716P
**
LVEFG
*
LMV4713P  LMV4730P  LMV4716P
**
LVDFG
*
LMV4712P  LMV4715P  LMV4716P
**
LVCEG
*
LMV4712P  LMV4716P
**
LVCG
*
LMV4730P  LMV4716P
**
LVFG
*
LMV4713P  LMV4716P
**
LVDG
*
```

```
LMV4715P  LMV4716P
**
LVEG
*
LMV4705P  LMV4706P
**
LVAB
*
LMV4705P  LMV4712P
**
LVAC
*
LMV4705P  LMV4713P
**
LVAD
*
LMV4705P  LMV4715P
**
LVAE
*
LMV4705P  LMV4730P
**
LVAF
*
LMV4706P  LMV4712P
**
LVBC
*
LMV4706P  LMV4713P
**
LVBD
*
LMV4706P  LMV4715P
**
LVBE
*
LMV4706P  LMV4730P
**
LVBF
*
LMV4712P  LMV4713P
**
LVCD
*
LMV4712P  LMV4715P
**
LVCE
*
LMV4712P  LMV4730P
**
LVCF
*
LMV4713P  LMV4715P
**
LVDE
*
LMV4713P  LMV4730P
**
```

```
LVDF
*
LMV4715P  LMV4730P
**
LVEF
*
LMV4714P  LMV4731P  LMV4762P  LMV4763P
**
LVJKLM
*
LMV4714P  LMV4731P  LMV4762P
**
LVJKL
*
LMV4714P  LMV4731P  LMV4763P
**
LVJKM
*
LMV4714P  LMV4762P  LMV4763P
**
LVJLM
*
LMV4731P  LMV4762P  LMV4763P
**
LVKLM
*
LMV4714P  LMV4731P
**
LVJK
*
LMV4714P  LMV4762P
**
LVJL
*
LMV4714P  LMV4763P
**
LVJM
*
LMV4731P  LMV4762P
**
LVKL
*
LMV4731P  LMV4763PH
**
LVKM
*
LMV4762P  LMV4763P
**
LVLM
*
FAV4048Q  FAV4052Q
**
4052/48Q
*
FAV1105P  FAV1106P
**
1106/05P
*
```

FAV1105Q FAV1106Q
**
1106/05Q
*
FAV4047Q FAV4051Q
**
4051/47Q
*
1AV8421P 1AV8419P
**
8419/21P
*
HMV9324P HMV9327P
**
HMVAC
*
HMV9324P HMV9330P
**
HMVAE
*
HMV9324P HMV9333P
**
HMVAG
*
HMV9327P HMV9330P
**
HMVCE
*
HMV9327P HMV9333P
**
HMVCG
*
HMV9330P HMV9333P
**
HMVEG
*
HMV9323P HMV9326P
**
HMVBD
*
HMV9323P HMV9329P
**
HMVBF
*
HMV9323P HMV9332P
**
HMVBH
*
HMV9326P HMV9329P
**
HMVDF
*
HMV9326P HMV9332P
**
HMVDH
*
HMV9329P HMV9332P
**

```
HMVFH
*
EPM0024R  EPM0025R  EPM0026R
**
EPM0024F  E25/24R   E26/245R
*
EPM0024R  EPM0025R
**
EPM0024R  E25/24R
*
EPM0024R  EPM0026R
**
EPM0024R  E26/24R
*
EPM0025R  EPM0026R
**
EPM0026R  E26/25R
*
PPM0112R  PPM0307R
**
PPM0112R  P307/12R
*
HMV9302P  HMV9303P
**
HMV9302P  H9303/2P
*
EPM0026R  PHE0001E  PHE0001Y  S3
**
EPM0026R  PHE0001E  PHE0001Y  S3        R
*
EPM0026R  PHE0001M  S3
**
EPM0026R  PHE0001M  S3        R
```

APPENDIX C

ANALYSIS OF COMBINED EFFECTS OF CROSS-CONNECT AND PROPOSED DIESEL GENERATOR ALLOWED OUTAGE TIME/SURVEILLANCE TEST INTERVAL CHARGES

(To Be Provided Later)