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RA-21-0303

November 9, 2021

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC (Duke Energy)
Catawba Nuclear Station, Unit 1
Facility Operating License Number NPF-35, Docket Number 50-413
Core Operating Limits Report (COLR) for Unit 1 Cycle 27 Reload Core, Revisions 1, 2, and 3

Pursuant to Catawba Technical Specification 5.6.5.d, enclosed are revisions 1, 2, and 3 of the subject COLR. These COLR revisions are being submitted to update the limits of the Catawba Unit 1 Cycle 27 reload core.

Revision 1 of the COLR contains limits specific to the redesigned core for Operation in Mode 6 only at 0 Effective Full Power Days (EFPD). Revision 2 contains limits specific to the redesigned core for Operation in Modes 3-6 only. These revisions were issued as reload work was completed, which allowed the refueling outage to progress with minimal delay.

Revision 3 contains limits specific to the redesigned core. This revision is the result of the completion of all required analysis work on the redesigned core and provides limits to all Modes of Operation for the entire cycle. A revised Appendix A, listed as Revision 3, is also included with Revision 3 of the COLR. This document contains power distribution monitoring factors used in Technical Specification Surveillance.

This letter, the enclosed COLR revisions, and the attached COLR Appendix A revision do not contain any regulatory commitments.

Please direct any questions or concerns to Sherry Andrews, Regulatory Affairs, at (803) 701-3424.

Sincerely,

Tom Simril
Vice President, Catawba Nuclear Station

Enclosure 1: Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 1
Enclosure 2: Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 2
Enclosure 3: Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 3
Attachment: Catawba Unit 1, Cycle 27, Core Operating Limits Report, Appendix A, Power Distribution Monitoring Factors, Revision 3

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**Enclosure 1**

Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 1

DUKE ENERGY®

| | |
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| Thompson, Chad A | Originator | 10/27/2021 |
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| Abbott, Jeff | Safety Analysis Verifier | 10/27/2021 |
| Hawes, Mark W | Site Impact Review | 10/27/2021 |
| Robinson, Duncan | Approver | 10/27/2021 |

**Notes :**

# Catawba 1 Cycle 27

# Core Operating Limits Report
# Revision 1

**October 2021**

Reference: CNC-1553.05-00-0711, Rev. 1
Reload 50.59 #02403156

**QA Condition 1**

The information presented in this report has been prepared and issued in accordance with Catawba Technical Specification 5.6.5.

# Catawba 1 Cycle 27 Core Operating Limits Report

## Implementation Instructions for Revision 1

### Revision Description and CR Tracking

Revision 1 of the Catawba 1 Cycle 27 COLR contains limits specific to the redesigned core for Operation in Mode 6 at 0 EFPD only. This redesign was due to damaging two fuel assemblies during reload (AR 02402821). Subsequent revisions to this EI will be performed as further analysis is completed. Staging the revisions in this way alleviates the delay caused by the required redesign work and allows reload to complete sooner. Only the limits in the COLR sections listed in the Additional Information Section below shall be used.

### Implementation Schedule

The Catawba 1 Cycle 27 COLR requires the reload 50.59 (AR 02403156) be approved prior to implementation and fuel loading.

Revision 1 may become effective immediately upon receipt, but must be implemented prior to insertion of any new fuel assembly used in the redesigned core.

### Data Files to be Implemented

No data files are transmitted as part of this document.

### Additional Information

CDR was performed by Safety Analysis for COLR Sections 1.1, 2.1, 2.9 – 2.11, 2.13, and 2.16 – 2.18.

CNS Reactor Engineering performed site inspection in accordance with AD-NF-ALL-0807 and AD-NF-NGO-0214.

No limit in this COLR is to be used except for those in COLR Sections:

- Section 1.0.
- Section 2.14 Spent Fuel Pool Boron Concentration (TS 3.7.15).
- Section 2.15 Refueling Operations - Boron Concentration (TS 3.9.1).
- Section 2.17 Boration Systems Borated Water Source - Shutdown (SLC 16.9-11).

**Catawba 1 Cycle 27 Core Operating Limits Report**

**REVISION LOG**

| Revision | Effective Date | Pages Affected | COLR |
|---|---|---|---|
| 0 | September 2021 | 1-31, Appendix A* | C1C27 COLR, Rev. 0 |
| 1 | October 2021 | 1-31 | C1C27 COLR, Rev. 1 |

* Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance and is not uploaded as part of the EI body. However, Appendix A is uploaded into the document management system, for ease of transmittal to the NRC.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.0 Core Operating Limits Report

This Core Operating Limits Report (COLR) has been prepared in accordance with requirements of Technical Specification 5.6.5. Technical Specifications that reference this report are listed below along with the NRC approved analytical methods used to develop and/or determine COLR parameters identified in Technical Specifications.

| TS Section | Technical Specifications | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 2.1.1 | Reactor Core Safety Limits | RCS Temperature and Pressure Safety Limits | 2.1 | 6, 7, 8, 9, 10, 12, 15, 16, 19, 20 |
| 3.1.1 | Shutdown Margin | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.3 | Moderator Temperature Coefficient | MTC | 2.3 | 6, 7, 8, 14, 16, 18 |
| 3.1.4 | Rod Group Alignment Limits | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.5 | Shutdown Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.4 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.6 | Control Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.5 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.8 | Physics Tests Exceptions | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.2.1 | Heat Flux Hot Channel Factor | $F_Q$<br>AFD<br>OTΔT<br>Penalty Factors | 2.6<br>2.8<br>2.9<br>2.6 | 2, 4, 6, 7, 8, 9, 10,<br>12, 15, 16, 19, 20 |
| 3.2.2 | Nuclear Enthalpy Rise Hot Channel Factor | FΔH<br>Penalty Factors | 2.7<br>2.7 | 2, 4, 6, 7, 8, 9, 10<br>12, 15, 16, 19, 20 |
| 3.2.3 | Axial Flux Difference | AFD | 2.8 | 2, 4, 6, 7, 8, 15, 16 |
| 3.3.1 | Reactor Trip System Instrumentation | OTΔT<br>OPΔT | 2.9<br>2.9 | 6, 7, 8, 9, 10, 12<br>15, 16, 19, 20 |
| 3.3.9 | Boron Dilution Mitigation System | Reactor Makeup Water Flow Rate | 2.10 | 6, 7, 8, 14, 16 |
| 3.4.1 | RCS Pressure, Temperature and Flow limits for DNB | RCS Pressure, Temperature and Flow | 2.11 | 6, 7, 8, 9, 10, 12, 19, 20 |
| 3.5.1 | Accumulators | Max and Min Boron Conc. | 2.12 | 6, 7, 8, 14, 16 |
| 3.5.4 | Refueling Water Storage Tank | Max and Min Boron Conc. | 2.13 | 6, 7, 8, 14, 16 |
| 3.7.15 | Spent Fuel Pool Boron Concentration | Min Boron Concentration | 2.14 | 6, 7, 8, 14, 16 |
| 3.9.1 | Refueling Operations - Boron Concentration | Min Boron Concentration | 2.15 | 6, 7, 8, 14, 16 |
| 5.6.5 | Core Operating Limits Report (COLR) | Analytical Methods | 1.1 | None |

The Selected Licensee Commitments that reference this report are listed below

| SLC Section | Selected Licensee Commitment | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 16.7-9 | Standby Shutdown System | Standby Makeup Pump Water Supply | 2.16 | 6, 7, 8, 14, 16 |
| 16.9-11 | Boration Systems – Borated Water Source – Shutdown | Borated Water Volume and Conc. for BAT/RWST | 2.17 | 6, 7, 8, 14, 16 |
| 16.9-12 | Boration Systems – Borated Water Source – Operating | Borated Water Volume and Conc. for BAT/RWST | 2.18 | 6, 7, 8, 14, 16 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods

Analytical methods used to determine core operating limits for parameters identified in Technical Specifications and previously reviewed and approved by the NRC as specified in Technical Specification 5.6.5 are as follows.

1. WCAP-9272-P-A, “Westinghouse Reload Safety Evaluation Methodology,” (W Proprietary).

   Revision 0
   Report Date: July 1985
   **Not Used**

2. WCAP-10054-P-A, "Westinghouse Small Break ECCS Evaluation Model using the NOTRUMP Code," (W Proprietary).

   Revision 0
   Report Date: August 1985

   Addendum 2, “Addendum to the Westinghouse Small Break ECCS Evaluation Model Using the NOTRUMP Code: Safety Injection into the Broken Loop and COSI Condensation Model,” (W Proprietary). (Referenced in Duke Letter DPC-06-101)

   Revision 1
   July 1997

3. WCAP-10266-P-A, “The 1981 Version of Westinghouse Evaluation Model Using BASH Code,” (W Proprietary).

   Revision 2
   Report Date: March 1987
   **Not Used**

4. WCAP-12945-P-A, Volume 1 and Volumes 2-5, “Code Qualification Document for Best-Estimate Loss of Coolant Analysis,” (W Proprietary).

   Revision: Volume 1 (Revision 2) and Volumes 2-5 (Revision 1)
   Report Date: March 1998

5. BAW-10168P-A, “B&W Loss-of-Coolant Accident Evaluation Model for Recirculating Steam Generator Plants,” (B&W Proprietary).

   Revision 1
   SER Date: January 22, 1991
   Revision 2
   SER Dates: August 22, 1996 and November 26, 1996
   Revision 3
   SER Date: June 15, 1994
   **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

6. DPC-NE-3000-PA, “Thermal-Hydraulic Transient Analysis Methodology,” (Duke Energy Proprietary).

   Revision 5a
   Report Date: October 2012

7. DPC-NE-3001-PA, "Multidimensional Reactor Transients and Safety Analysis Physics Parameter Methodology," (Duke Energy Proprietary).

   Revision 1
   Report Date: March 2015

8. DPC-NE-3002-A, "UFSAR Chapter 15 System Transient Analysis Methodology".

   Revision 4c
   Report Date: February 2019

9. DPC-NE-2004P-A, "Duke Power Company McGuire and Catawba Nuclear Stations Core Thermal-Hydraulic Methodology using VIPRE-01," (Duke Energy Proprietary).

   Revision 2a
   Report Date: December 2008

10. DPC-NE-2005P-A, "Thermal Hydraulic Statistical Core Design Methodology," (Duke Energy Proprietary).

    Revision 6
    Report Date: September 2020

11. DPC-NE-2008P-A, "Fuel Mechanical Reload Analysis Methodology Using TACO3," (Duke Energy Proprietary).

    Revision 0
    Report Date: April 1995
    **Not Used**

12. DPC-NE-2009-P-A, "Westinghouse Fuel Transition Report,” (Duke Energy Proprietary).

    Revision 3c
    Report Date: March 2017

13. DPC-NE-1004-A, "Nuclear Design Methodology Using CASMO-3/SIMULATE-3P."

    Revision 1a
    Report Date: January 2009
    **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

14. DPC-NF-2010-A, "Nuclear Physics Methodology for Reload Design."

    Revision 2a
    Report Date: December 2009

15. DPC-NE-2011-PA, "Nuclear Design Methodology Report for Core Operating Limits of Westinghouse Reactors," (Duke Energy Proprietary).

    Revision 1a
    Report Date: June 2009

16. DPC-NE-1005-PA, "Nuclear Design Methodology Using CASMO-4 / SIMULATE-3 MOX," (Duke Energy Proprietary).

    Revision 1
    Report Date: November 2008

17. BAW-10231P-A, "COPERNIC Fuel Rod Design Computer Code" (Framatome ANP Proprietary)

    Revision 1
    SER Date: January 14, 2004
    **Not Used**

18. DPC-NE-1007-P-A, "Conditional Exemption of the EOC MTC Measurement Methodology," (Duke Energy and W Proprietary)

    Revision 0
    Report Date: April 2015

19. WCAP-12610-P-A, "VANTAGE+ Fuel Assembly Reference Core Report," (W Proprietary).

    Revision 0
    Report Date: April 1995

20. WCAP-12610-P-A & CENPD-404-P-A, Addendum 1-A, "Optimized ZIRLO™," (W Proprietary).

    Revision 0
    Report Date: July 2006

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.0 Operating Limits

Cycle-specific parameter limits for specifications listed in Section 1.0 are presented in the following subsections. These limits have been developed using NRC approved methodologies specified in Section 1.1.

## 2.1 Reactor Core Safety Limits (TS 2.1.1)

Reactor Core Safety Limits are shown in Figure 1.

## 2.2 Shutdown Margin - SDM (TS 3.1.1, TS 3.1.4, TS 3.1.5, TS 3.1.6, TS 3.1.8)

**2.2.1** For TS 3.1.1, SDM shall be ≥ 1.3% ΔK/K in MODE 2 with $K_{eff}$ < 1.0 and in MODES 3 and 4.

**2.2.2** For TS 3.1.1, SDM shall be ≥ 1.0% ΔK/K in MODE 5.

**2.2.3** For TS 3.1.4, SDM shall be ≥ 1.3% ΔK/K in MODE 1 and MODE 2.

**2.2.4** For TS 3.1.5, SDM shall be ≥ 1.3% ΔK/K in MODE 1 and MODE 2 with any control bank not fully inserted.

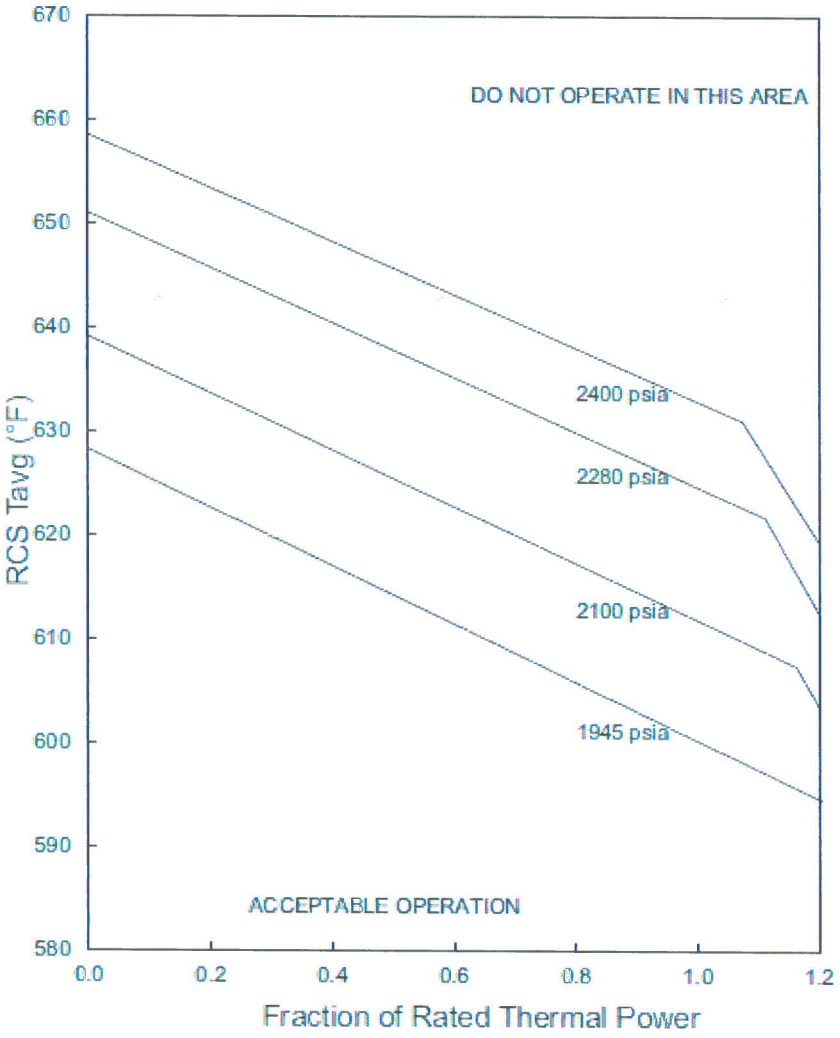
**2.2.5** For TS 3.1.6, SDM shall be ≥ 1.3% ΔK/K in MODE 1 and MODE 2 with $K_{eff}$ ≥ 1.0.

**2.2.6** For TS 3.1.8, SDM shall be ≥ 1.3% ΔK/K in MODE 2 during PHYSICS TESTS.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 1**

**Reactor Core Safety Limits**
**(Four Loops in Operation)**



**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.3 Moderator Temperature Coefficient - MTC (TS 3.1.3)

**2.3.1** Moderator Temperature Coefficient (MTC) Limits are:

MTC shall be less positive than the upper limits shown in Figure 2.

BOC, ARO, HZP MTC shall be less positive than 0.7E-04 ΔK/K/°F.

EOC, ARO, RTP MTC shall be less negative than the -4.3E-04 ΔK/K/°F lower MTC limit.

**2.3.2** 300 ppm MTC Surveillance Limit is:

Measured 300 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -3.65E-04 ΔK/K/°F.

**2.3.3** The Revised Predicted near-EOC 300 ppm ARO RTP MTC shall be calculated using the procedure contained in DPC-NE-1007-PA.

If the Revised Predicted MTC is less negative than or equal to the 300 ppm SR 3.1.3.2 Surveillance Limit, and all benchmark data contained in the surveillance procedure is satisfied, then an MTC measurement in accordance with SR 3.1.3.2 is not required to be performed.

**2.3.4** 60 ppm MTC Surveillance Limit is:

Measured 60 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -4.125E-04 ΔK/K/°F.

Where:
BOC = Beginning of Cycle (burnup corresponding to most positive MTC)
EOC = End of Cycle
ARO = All Rods Out
HZP = Hot Zero Power
RTP = Rated Thermal Power
ppm = Parts per million (Boron)

## 2.4 Shutdown Bank Insertion Limit (TS 3.1.5)

**2.4.1** Each shutdown bank shall be withdrawn to at least 222 steps. Shutdown banks are withdrawn in sequence and with no overlap.

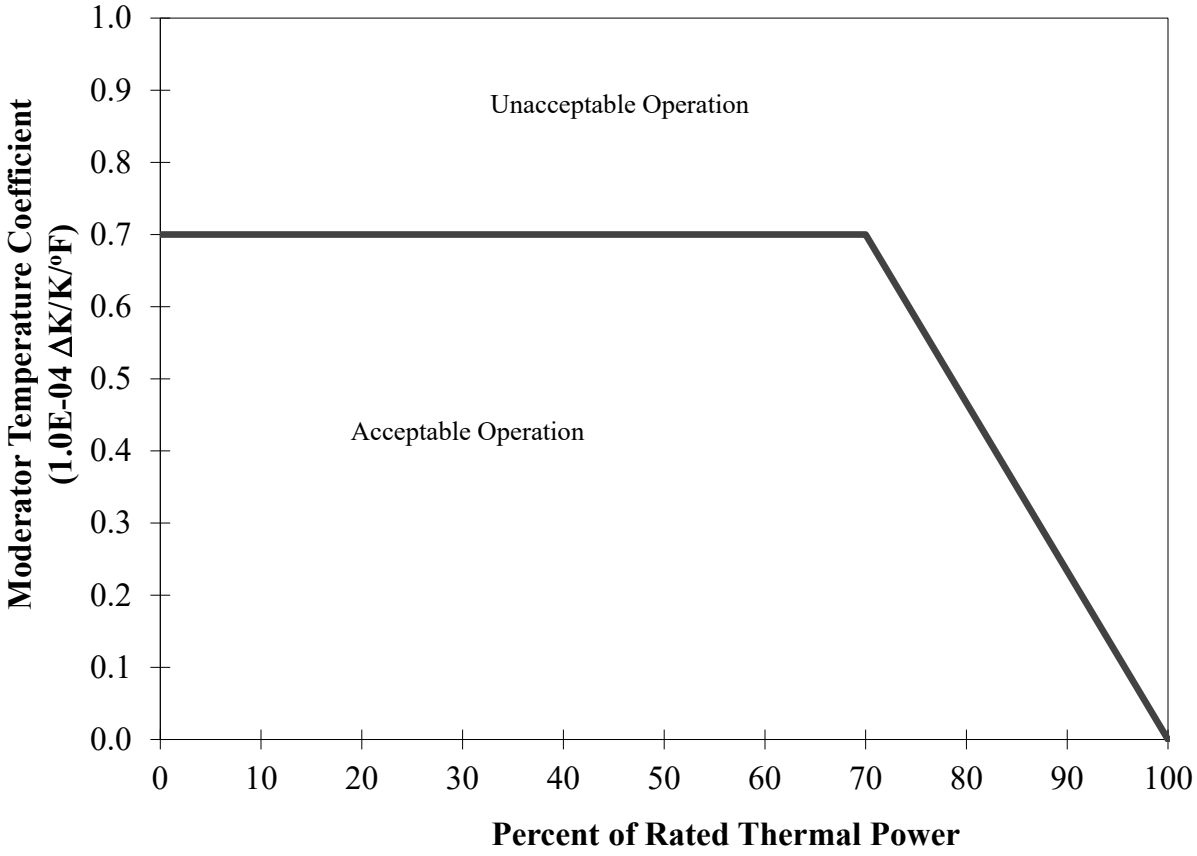
## 2.5 Control Bank Insertion Limits (TS 3.1.6)

**2.5.1** Control banks shall be within the insertion, sequence, and overlap limits shown in Figure 3. Specific control bank withdrawal and overlap limits as a function of the fully withdrawn position are shown in Table 1.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 2**

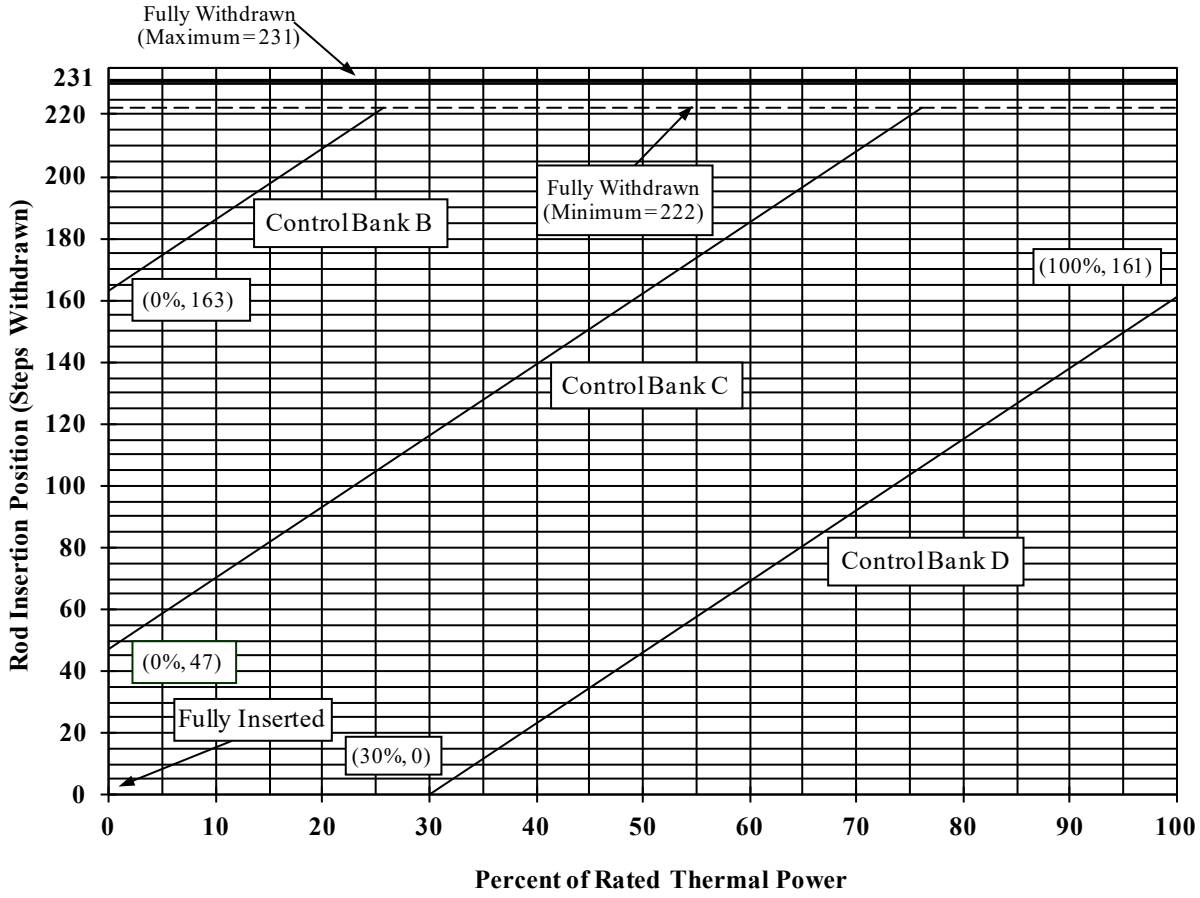
**Moderator Temperature Coefficient Upper Limit Versus Power Level**




**NOTE:** Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 3**
**Control Bank Insertion Limits Versus Percent Rated Thermal Power**




The Rod Insertion Limits (RIL) for Control Bank D (CD), Control Bank C (CC), and Control Bank B (CB) can be calculated by:

*Bank CD RIL = 2.3(P) – 69 {30 ≤ P ≤ 100}*
*Bank CC RIL = 2.3(P) + 47 {0 ≤ P ≤ 76.1} for CC RIL = 222 {76.1 < P ≤ 100}*
*Bank CB RIL = 2.3(P) + 163 {0 ≤ P ≤ 25.7} for CB RIL = 222 {25.7 < P ≤ 100}*

*where P = % of Rated Thermal Power*

**NOTE**: Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 1**

**Control Bank Withdrawal Sequence Equation**

| Control Bank A | Control Bank B | Control Bank C | Control Bank D |
|---|---|---|---|
| 0 Start | 0 | 0 | 0 |
| 116 | 0 Start | 0 | 0 |
| CBA Stop | CBA - 116 | 0 | 0 |
| CBA | 116 | 0 Start | 0 |
| CBA | CBB Stop | CBB - 116 | 0 |
| CBA | CBB | 116 | 0 Start |
| CBA | CBB | CBC Stop | CBC - 116 |

Where:
*CBA* = Fully withdrawn position of Control Bank A
*CBB* = Fully withdrawn position of Control Bank B
*CBC* = Fully withdrawn position of Control Bank C

Allowed Control Bank Fully Withdrawn Positions Range from 223 Steps to 231 Steps for frequent RCCA Reposition Required per CNEI-0400-091, Rev. 7, “RCCA Axial Repositioning Schedule for Catawba Nuclear Station.”

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.6 Heat Flux Hot Channel Factor - $F_Q(X,Y,Z)$ (TS 3.2.1)

**2.6.1** $F_Q(X,Y,Z)$ steady-state limits are defined by the following relationships:

$$F_Q^{RTP} * K(Z)/P \qquad \text{for } P > 0.5$$

$$F_Q^{RTP} * K(Z)/0.5 \qquad \text{for } P \leq 0.5$$

where,

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

Note: Measured $F_Q(X,Y,Z)$ shall be increased by 3% to account for manufacturing tolerances and 5% to account for measurement uncertainty when comparing against the LCO limits. The manufacturing tolerance and measurement uncertainty are implicitly included in the $F_Q$ surveillance limits as defined in COLR Sections 2.6.5 and 2.6.6.

**2.6.2** $F_Q^{RTP} = 2.70 \times K(BU)$

**2.6.3** K(Z) is the normalized $F_Q(X,Y,Z)$ as a function of core height. K(Z) for Westinghouse RFA fuel is provided in Figure 4.

**2.6.4** K(BU) is the normalized $F_Q(X,Y,Z)$ as a function of burnup. $F_Q^{RTP}$ with the K(BU) penalty for Westinghouse RFA fuel is analytically confirmed in cycle-specific reload calculations. K(BU) is set to 1.0 at all burnups.

The following parameters are required for core monitoring per the Surveillance Requirements of Technical Specification 3.2.1:

**2.6.5** $$[F_Q^L(X,Y,Z)]^{OP} = \frac{F_Q^D(X,Y,Z) * M_Q(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{OP}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ LOCA limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F_Q^L(X,Y,Z)^{OP}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Design power distribution for $F_Q$. $F_Q^D(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in

Appendix Table A-4 for power escalation testing during initial startup operation.

$M_Q(X,Y,Z)$ = Margin remaining in core location X,Y,Z to the LOCA limit in the transient power distribution. $M_Q(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in Appendix Table A-4 for power escalation testing during initial startup operation.

UMT = Total Peak Measurement Uncertainty. (UMT = 1.05)

MT = Engineering Hot Channel Factor. (MT = 1.03)

TILT = Peaking penalty to account for allowable quadrant power tilt ratio of 1.02. (TILT = 1.035)

**2.6.6** $$[F_Q^L(X,Y,Z)]^{RPS} = \frac{F_Q^D(X,Y,Z) * M_C(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{RPS}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ Centerline Fuel Melt (CFM) limit is not exceeded for operation within AFD, RIL, and QPTR limits. $[F_Q^L(X,Y,Z)]^{RPS}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Defined in Section 2.6.5.

$M_C(X,Y,Z)$ = Margin remaining to the CFM limit in core location X,Y,Z from the transient power distribution. $M_C(X,Y,Z)$ is provided in Appendix Table A-2 for normal operating conditions and in Appendix Table A-5 for power escalation testing during initial startup operations.

UMT = Defined in Section 2.6.5.

MT = Defined in Section 2.6.5.

TILT = Defined in Section 2.6.5.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**2.6.7** KSLOPE = 0.0725

where:

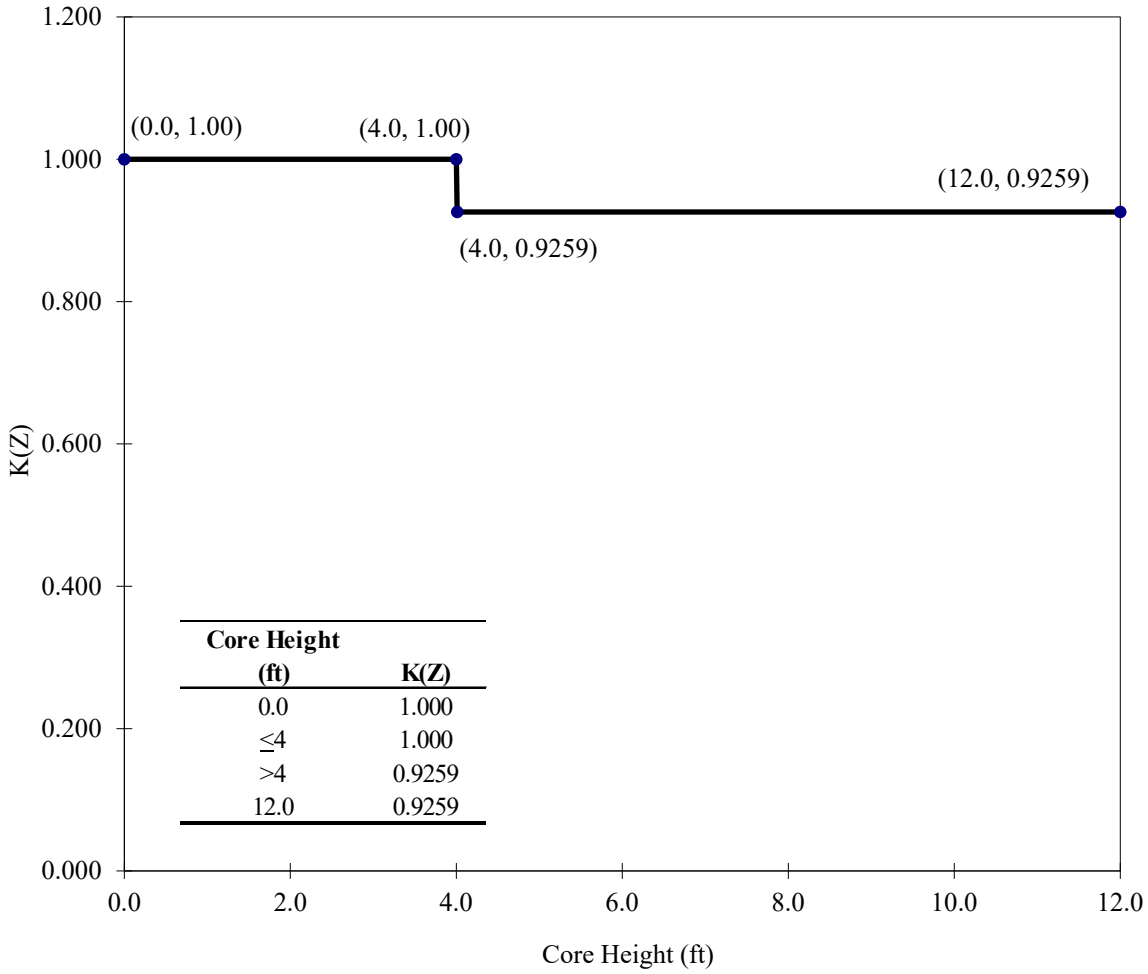
KSLOPE = Adjustment to $K_1$ value from OTΔT trip setpoint required to compensate for each 1% $F_Q^M$ (X,Y,Z) exceeds $F_Q^L$(X,Y,Z)$^{RPS}$.

**2.6.8** $F_Q$(X,Y,Z) Penalty Factors for Technical Specification Surveillances 3.2.1.2 and 3.2.1.3 are provided in Table 2.

# Catawba 1 Cycle 27 Core Operating Limits Report

## Figure 4

## K(Z), Normalized $F_Q(X,Y,Z)$ as a Function of Core Height for RFA Fuel




| Core Height (ft) | K(Z) |
|---|---|
| 0.0 | 1.000 |
| ≤4 | 1.000 |
| >4 | 0.9259 |
| 12.0 | 0.9259 |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 2**

**$F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ Penalty Factors**
**For Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2**

| Burnup (EFPD) | $F_Q(X,Y,Z)$ Penalty Factor(%) | $F_{\Delta H}(X,Y)$ Penalty Factor (%) |
|---|---|---|
| 4 | 2.00 | 2.00 |
| 12 | 2.00 | 2.00 |
| 25 | 2.46 | 2.00 |
| 50 | 2.00 | 2.00 |
| 75 | 2.00 | 2.00 |
| 100 | 2.00 | 2.00 |
| 125 | 2.00 | 2.00 |
| 150 | 2.00 | 2.00 |
| 175 | 2.00 | 2.00 |
| 200 | 2.00 | 2.00 |
| 225 | 2.00 | 2.00 |
| 250 | 2.00 | 2.00 |
| 275 | 2.00 | 2.00 |
| 300 | 2.00 | 2.00 |
| 325 | 2.00 | 2.00 |
| 350 | 2.00 | 2.00 |
| 375 | 2.00 | 2.00 |
| 400 | 2.00 | 2.00 |
| 425 | 2.00 | 2.00 |
| 450 | 2.00 | 2.00 |
| 465 | 2.00 | 2.00 |
| 484 | 2.00 | 2.00 |
| 488 | 2.00 | 2.00 |
| 503 | 2.00 | 2.00 |
| 513 | 2.00 | 2.00 |
| 523 | 2.00 | 2.00 |

**Note**: Linear interpolation is adequate for intermediate cycle burnups. All cycle burnups outside the range of the table shall use a 2% penalty factor for both $F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ for compliance with Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2.

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.7 Nuclear Enthalpy Rise Hot Channel Factor - $F_{\Delta H}(X,Y)$ (TS 3.2.2)

$F_{\Delta H}$ steady-state limits referred to in Technical Specification 3.2.2 are defined by the following relationship.

**2.7.1** $$[F^{L}_{\Delta H}(X,Y)]^{LCO} = MARP(X,Y) * \left[1.0 + \frac{1}{RRH} * (1.0 - P)\right]$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{LCO}$ is the steady-state, maximum allowed radial peak and includes allowances for calculation/measurement uncertainty.

MARP(X,Y) = Cycle-specific operating limit Maximum Allowable Radial Peaks. MARP(X,Y) radial peaking limits are provided in Table 3.

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

RRH = Thermal Power reduction required to compensate for each 1% measured radial peak, $F^{M}_{\Delta H}(X,Y)$, exceeds the limit.
(RRH = 3.34, $0.0 < P \leq 1.0$)

The following parameters are required for core monitoring per surveillance requirements of Technical Specification 3.2.2.

**2.7.2** $$[F^{L}_{\Delta H}(X,Y)]^{SURV} = \frac{F^{D}_{\Delta H}(X,Y) * M_{\Delta H}(X,Y)}{UMR * TILT}$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{SURV}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_{\Delta H}(X,Y)$ limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F^{L}_{\Delta H}(X,Y)^{SURV}$ includes allowances for calculation and measurement uncertainty.

$F^{D}_{\Delta H}(X,Y)$ = Design power distribution for $F_{\Delta H}$. $F^{D}_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

$M_{\Delta H}(X,Y)$ = Margin remaining in core location X,Y relative to the Operational DNB limits in the transient power distribution. $M_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

UMR = Uncertainty value for measured radial peaks (UMR = 1.0). UMR is 1.0 since a factor of 1.04 is implicitly included in the variable $M_{\Delta H}(X,Y)$.

TILT = Defined in Section 2.6.5.

**2.7.3** RRH is defined in Section 2.7.1.

**2.7.4** TRH = 0.04

where:

TRH = Reduction in OTΔT $K_1$ setpoint required to compensate for each 1% that the measured radial peak, $F^{M}_{\Delta H}(X,Y)$ exceeds its limit.

**2.7.5** $F_{\Delta H}(X,Y)$ Penalty Factors for Technical Specification Surveillance 3.2.2.2 are provided in Table 2.

## 2.8 Axial Flux Difference – AFD (TS 3.2.3)

**2.8.1** Axial Flux Difference (AFD) Limits are provided in Figure 5.

# Catawba 1 Cycle 27 Core Operating Limits Report

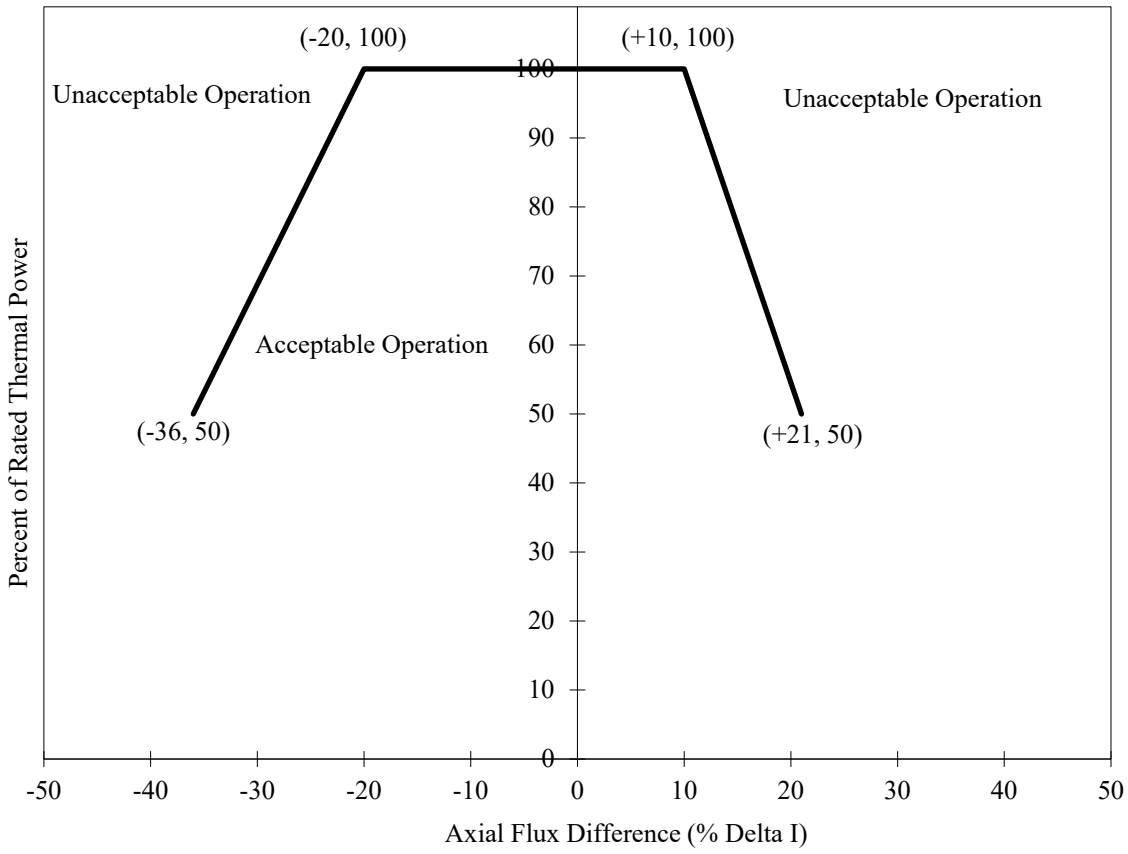
## Table 3
## Maximum Allowable Radial Peaks (MARPs)
## RFA Steady State Limiting Value Between
## Loss of Flow Accident (LOFA) MARPs and $F\Delta H_{LOCA}$

| Core Height (ft) | Axial Peak | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **1.05** | **1.1** | **1.2** | **1.3** | **1.4** | **1.5** | **1.6** | **1.7** | **1.8** | **1.9** | **2.1** | **3** | **3.25** |
| **0.12** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3151 | 1.2461 |
| **1.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3007 | 1.2235 |
| **2.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4633 | 1.4616 |
| **3.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4675 | 1.3874 |
| **4.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.2987 | 1.2579 |
| **6.00** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3293 | 1.2602 |
| **7.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5982 | 1.2871 | 1.2195 |
| **8.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6010 | 1.5127 | 1.2182 | 1.1578 |
| **9.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5808 | 1.5301 | 1.4444 | 1.1431 | 1.0914 |
| **10.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5743 | 1.5573 | 1.5088 | 1.4624 | 1.3832 | 1.1009 | 1.0470 |
| **11.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6057 | 1.5826 | 1.5289 | 1.5098 | 1.4637 | 1.4218 | 1.3458 | 1.0670 | 1.0142 |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 5**

**Percent of Rated Thermal Power Versus Percent Axial Flux Difference Limits**




**NOTE:** Compliance with Technical Specification 3.2.1 may require more restrictive AFD limits. Refer to the Unit 1 ROD manual for operational AFD limits.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 2.9 Reactor Trip System Instrumentation Setpoints (TS 3.3.1) Table 3.3.1-1

### 2.9.1 Overtemperature ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | $T' \leq 585.1°F$ |
| Nominal RCS Operating Pressure | $P' = 2235$ psig |
| Overtemperature ΔT reactor trip setpoint | $K_1 = 1.1978$ |
| Overtemperature ΔT reactor trip heatup setpoint penalty coefficient | $K_2 = 0.03340/°F$ |
| Overtemperature ΔT reactor trip depressurization setpoint penalty coefficient | $K_3 = 0.001601/psi$ |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1 = 8$ sec.<br>$\tau_2 = 3$ sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3 = 0$ sec. |
| Time constants utilized in the lead-lag compensator for $T_{avg}$ | $\tau_4 = 22$ sec.<br>$\tau_5 = 4$ sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6 = 0$ sec. |
| $f_1(\Delta I)$ "positive" breakpoint | = 19.0 %ΔI |
| $f_1(\Delta I)$ "negative" breakpoint | = N/A* |
| $f_1(\Delta I)$ "positive" slope | = 1.769 $\%\Delta T_0/ \%\Delta I$ |
| $f_1(\Delta I)$ "negative" slope | = N/A* |

* $f_1(\Delta I)$ negative breakpoints and slopes for OTΔT are less restrictive than OPΔT $f_2(\Delta I)$ negative breakpoint and slope. Therefore, during a transient which challenges negative imbalance limits, OPΔT $f_2(\Delta I)$ limits will result in a reactor trip before OTΔT $f_1(\Delta I)$ limits are reached. This makes implementation of an OTΔT $f_1(\Delta I)$ negative breakpoint and slope unnecessary.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**2.9.2** Overpower ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | T" ≤ 585.1°F |
| Overpower ΔT reactor trip setpoint | $K_4$ = 1.0864 |
| Overpower ΔT reactor trip penalty | $K_5$ = 0.02 / °F for increasing Tavg<br>$K_5$ = 0.00 / °F for decreasing Tavg |
| Overpower ΔT reactor trip heatup setpoint penalty coefficient | $K_6$ = 0.001179/°F for T > T"<br>$K_6$ = 0.0 /°F for T ≤ T" |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1$ = 8 sec.<br>$\tau_2$ = 3 sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3$ = 0 sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6$ = 0 sec. |
| Time constant utilized in the rate-lag controller for $T_{avg}$ | $\tau_7$ = 10 sec. |
| $f_2(\Delta I)$ "positive" breakpoint | = 35.0 %ΔI |
| $f_2(\Delta I)$ "negative" breakpoint | = -35.0 %ΔI |
| $f_2(\Delta I)$ "positive" slope | = 7.0 %$\Delta T_0$/ %ΔI |
| $f_2(\Delta I)$ "negative" slope | = 7.0 %$\Delta T_0$/ %ΔI |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.10 Boron Dilution Mitigation System (TS 3.3.9)

**2.10.1** Reactor Makeup Water Pump flow rate limits:

| Applicable Mode | Limit |
|---|---|
| MODE 3 | ≤ 80 gpm |
| MODE 4 or 5 | ≤ 70 gpm |

## 2.11 RCS Pressure, Temperature, and Flow Limits for DNB (TS 3.4.1)

RCS pressure, temperature and flow limits for DNB are shown in Table 4.

## 2.12 Accumulators (TS 3.5.1)

**2.12.1** Boron concentration limits during MODES 1 and 2, and MODE 3 with RCS pressure >1000 psi:

| Parameter | Applicable Burnup | Limit |
|---|---|---|
| Accumulator **minimum** boron concentration. | 0 - 200 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 200.1 - 300 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 300.1 - 400 EFPD | 2,297 ppm |
| Accumulator **minimum** boron concentration. | 400.1 - 513 EFPD | 2,145 ppm |
| Accumulator **minimum** boron concentration | 513.1 - 523 EFPD | 1,972 ppm |
| Accumulator **maximum** boron concentration. | 0 - 523 EFPD | 3,075 ppm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 4**

Reactor Coolant System DNB Parameters

| PARAMETER | INDICATION | No. Operable CHANNELS | LIMITS |
|---|---|---|---|
| 1. Indicated RCS Average Temperature | meter | 4 | ≤ 587.5 ˚F |
| | meter | 3 | ≤ 587.3 ˚F |
| | computer | 4 | ≤ 588.0 ˚F |
| | computer | 3 | ≤ 587.9 ˚F |
| 2. Indicated Pressurizer Pressure | meter | 4 | ≥ 2206.9 psig |
| | meter | 3 | ≥ 2208.7 psig |
| | computer | 4 | ≥ 2204.0 psig |
| | computer | 3 | ≥ 2205.4 psig |
| 3. RCS Total Flow Rate | | | ≥ 384,000 gpm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.13 Refueling Water Storage Tank - RWST (TS 3.5.4)

**2.13.1** Boron concentration limits during MODES 1, 2, 3, and 4:

| Parameter | Limit |
|---|---|
| RWST minimum boron concentration. | 2,700 ppm |
| RWST maximum boron concentration. | 3,075 ppm |

## 2.14 Spent Fuel Pool Boron Concentration (TS 3.7.15)

**2.14.1** Minimum boron concentration limit for the spent fuel pool. Applicable when fuel assemblies are stored in the spent fuel pool.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration. | 2,700 ppm |

## 2.15 Refueling Operations - Boron Concentration (TS 3.9.1)

**2.15.1** Minimum boron concentration limit for filled portions of the Reactor Coolant System, refueling canal, and refueling cavity for MODE 6 conditions. The minimum boron concentration limit and plant refueling procedures ensure that core $K_{eff}$ remains within MODE 6 reactivity requirement of $K_{eff} \leq 0.95$.

| Parameter | Limit |
|---|---|
| Minimum boron concentration of the Reactor Coolant System, the refueling canal, and the refueling cavity. | 2,700 ppm |

## 2.16 Standby Shutdown System - (SLC-16.7-9)

**2.16.1** Minimum boron concentration limit for the spent fuel pool required for Standby Makeup Pump Water Supply. Applicable for MODES 1, 2, and 3.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration for TR 16.7-9-3. | 2,700 ppm |

## 2.17 Boration Systems Borated Water Source – Shutdown (SLC 16.9-11)

**2.17.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODE 4 with any RCS cold leg temperature ≤ 210 °F, and MODES 5 and 6.

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 68°F | 2,000 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 13,086 gallons (14.9%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 68 °F | 7,000 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 48,500 gallons (8.7%) |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.18 Boration Systems Borated Water Source - Operating (SLC 16.9-12)

**2.18.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODES 1, 2, and 3 and MODE 4 with all RCS cold leg temperatures > 210 °F*.

*** NOTE: The SLC 16.9-12 applicability is down to MODE 4 temperatures of > 210°F. The minimum volumes calculated support cooldown to 200°F to satisfy UFSAR Chapter 9 requirements.**

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 210 °F | 13,500 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 25,200 gallons (45.8%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 210 °F | 57,107 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 98,607 gallons (22.0%) |

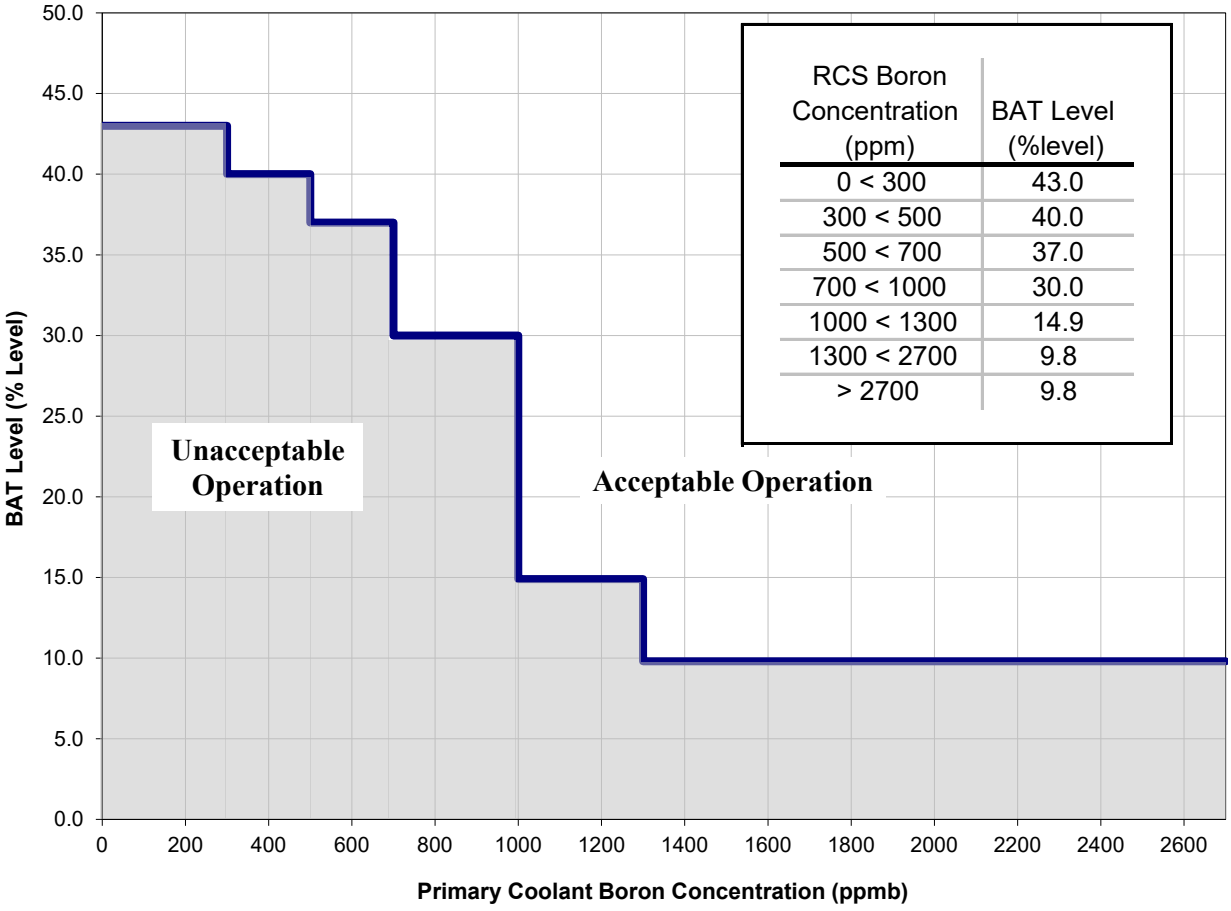
# Catawba 1 Cycle 27 Core Operating Limits Report

## Figure 6

## Boric Acid Storage Tank Indicated Level Versus Primary Coolant Boron Concentration

## (Valid When Cycle Burnup is > 445 EFPD)

## This figure includes additional volumes listed in SLC 16.9-11 and 16.9-12




| RCS Boron Concentration (ppm) | BAT Level (%level) |
|---|---|
| 0 < 300 | 43.0 |
| 300 < 500 | 40.0 |
| 500 < 700 | 37.0 |
| 700 < 1000 | 30.0 |
| 1000 < 1300 | 14.9 |
| 1300 < 2700 | 9.8 |
| > 2700 | 9.8 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## Appendix A

### Power Distribution Monitoring Factors

Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance. This data was generated in the Catawba 1 Cycle 27 Maneuvering Analysis calculation file, CNC-1553.05-00-0705, Rev 0. Due to the size of the monitoring factor data, Appendix A is controlled electronically within the Duke document management system and is not included in the Duke internal copies of the COLR. The Plant Reactor Engineering section will control this information via computer file(s) and should be contacted if there is a need to access this information.

Appendix A is available to be transmitted to the NRC.

| Filename | Cksum / File Size |
|---|---|
| c1c27_AppendixA.pdf | 1983734659 / 3527213 |

**Enclosure 2**

Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 2

DUKE ENERGY®

| | |
|---|---|
| **Facility Code :** | CN |
| **Applicable Facilities :** | CN |
| **Document Number :** | CNEI-0400-379 |
| **Document Revision Number :** | 002 |
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| **Change Reason :** | |
| **Document Title :** | Catawba 1 Cycle 27 Core Operating Limits Report |

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|---|---|---|
| Thompson, Chad A | Originator | 10/28/2021 |
| Rybenski, Matthew C. | Verifier | 10/28/2021 |
| Abbott, Jeff | Safety Analysis Verifier | 10/28/2021 |
| Hawes, Mark W | Site Impact Review | 10/28/2021 |
| Lambert, Brad | Approver | 10/28/2021 |

**Notes :**

# Catawba 1 Cycle 27

# Core Operating Limits Report
# Revision 2

**October 2021**

Reference: CNC-1553.05-00-0711, Rev. 2
Reload 50.59 #02403432

**QA Condition 1**

The information presented in this report has been prepared and issued in accordance with Catawba Technical Specification 5.6.5.

# Catawba 1 Cycle 27 Core Operating Limits Report

## Implementation Instructions for Revision 2

### Revision Description and CR Tracking

Revision 2 of the Catawba 1 Cycle 27 COLR contains limits specific to the redesigned core for Operation in Modes 3-6 only. This redesign was due to damaging two fuel assemblies during reload (AR 02402821). Subsequent revisions to this EI will be performed as further analysis is completed. Staging the revisions in this way alleviates the delay caused by the required redesign work and allows entry into Mode 3 sooner. Only the limits in the COLR sections listed in the Additional Information Section below shall be used.

### Implementation Schedule

The Catawba 1 Cycle 27 COLR requires the reload 50.59 (AR 02403432) be approved prior to implementation.

Revision 2 may become effective immediately upon receipt, but must be implemented prior to entering Mode 5.

### Data Files to be Implemented

No data files are transmitted as part of this document.

### Additional Information

CDR was performed by Safety Analysis for COLR Sections 2.10, 2.13, and 2.16 – 2.18.

CNS Reactor Engineering performed site inspection in accordance with AD-NF-ALL-0807 and AD-NF-NGO-0214.

No limit in this COLR is to be used except for those in COLR Sections:

- Section 2.2.1 Shutdown Margin for Modes 3 and 4 (TS 3.1.1).
- Section 2.2.2 Shutdown Margin for Mode 5 (TS 3.1.1).
- Section 2.3 Moderator Temperature Coefficient - MTC (TS 3.1.3).
- Section 2.10 Boron Dilution Mitigation System (TS 3.3.9).
- Section 2.12 Accumulators (TS 3.5.1).
- Section 2.13 Refueling Water Storage Tank - RWST (TS 3.5.4).
- Section 2.14 Spent Fuel Pool Boron Concentration (TS 3.7.15).
- Section 2.15 Refueling Operations - Boron Concentration (TS 3.9.1).
- Section 2.16 Standby Shutdown System (SLC 16.7-9).
- Section 2.17 Boration Systems Borated Water Source - Shutdown (SLC 16.9-11).
- Section 2.18 Boration Systems Borated Water Source - Operating (SLC 16.9-12).

# Catawba 1 Cycle 27 Core Operating Limits Report

## REVISION LOG

| Revision | Effective Date | Pages Affected | COLR |
|---|---|---|---|
| 0 | September 2021 | 1-31, Appendix A* | C1C27 COLR, Rev. 0 |
| 1 | October 2021 | 1-31 | C1C27 COLR, Rev. 1 |
| 2 | October 2021 | 1-31 | C1C27 COLR, Rev. 2 |

* Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance and is not uploaded as part of the EI body. However, Appendix A is uploaded into the document management system, for ease of transmittal to the NRC.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.0 Core Operating Limits Report

This Core Operating Limits Report (COLR) has been prepared in accordance with requirements of Technical Specification 5.6.5. Technical Specifications that reference this report are listed below along with the NRC approved analytical methods used to develop and/or determine COLR parameters identified in Technical Specifications.

| TS Section | Technical Specifications | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 2.1.1 | Reactor Core Safety Limits | RCS Temperature and Pressure Safety Limits | 2.1 | 6, 7, 8, 9, 10, 12, 15, 16, 19, 20 |
| 3.1.1 | Shutdown Margin | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.3 | Moderator Temperature Coefficient | MTC | 2.3 | 6, 7, 8, 14, 16, 18 |
| 3.1.4 | Rod Group Alignment Limits | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.5 | Shutdown Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.4 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.6 | Control Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.5 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.8 | Physics Tests Exceptions | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.2.1 | Heat Flux Hot Channel Factor | $F_Q$<br>AFD<br>OTΔT<br>Penalty Factors | 2.6<br>2.8<br>2.9<br>2.6 | 2, 4, 6, 7, 8, 9, 10,<br>12, 15, 16, 19, 20 |
| 3.2.2 | Nuclear Enthalpy Rise Hot Channel Factor | FΔH<br>Penalty Factors | 2.7<br>2.7 | 2, 4, 6, 7, 8, 9, 10<br>12, 15, 16, 19, 20 |
| 3.2.3 | Axial Flux Difference | AFD | 2.8 | 2, 4, 6, 7, 8, 15, 16 |
| 3.3.1 | Reactor Trip System Instrumentation | OTΔT<br>OPΔT | 2.9<br>2.9 | 6, 7, 8, 9, 10, 12<br>15, 16, 19, 20 |
| 3.3.9 | Boron Dilution Mitigation System | Reactor Makeup Water Flow Rate | 2.10 | 6, 7, 8, 14, 16 |
| 3.4.1 | RCS Pressure, Temperature and Flow limits for DNB | RCS Pressure, Temperature and Flow | 2.11 | 6, 7, 8, 9, 10, 12, 19, 20 |
| 3.5.1 | Accumulators | Max and Min Boron Conc. | 2.12 | 6, 7, 8, 14, 16 |
| 3.5.4 | Refueling Water Storage Tank | Max and Min Boron Conc. | 2.13 | 6, 7, 8, 14, 16 |
| 3.7.15 | Spent Fuel Pool Boron Concentration | Min Boron Concentration | 2.14 | 6, 7, 8, 14, 16 |
| 3.9.1 | Refueling Operations - Boron Concentration | Min Boron Concentration | 2.15 | 6, 7, 8, 14, 16 |
| 5.6.5 | Core Operating Limits Report (COLR) | Analytical Methods | 1.1 | None |

The Selected Licensee Commitments that reference this report are listed below

| SLC Section | Selected Licensee Commitment | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 16.7-9 | Standby Shutdown System | Standby Makeup Pump Water Supply | 2.16 | 6, 7, 8, 14, 16 |
| 16.9-11 | Boration Systems – Borated Water Source – Shutdown | Borated Water Volume and Conc. for BAT/RWST | 2.17 | 6, 7, 8, 14, 16 |
| 16.9-12 | Boration Systems – Borated Water Source – Operating | Borated Water Volume and Conc. for BAT/RWST | 2.18 | 6, 7, 8, 14, 16 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods

Analytical methods used to determine core operating limits for parameters identified in Technical Specifications and previously reviewed and approved by the NRC as specified in Technical Specification 5.6.5 are as follows.

1. WCAP-9272-P-A, “Westinghouse Reload Safety Evaluation Methodology,” (W Proprietary).

   Revision 0
   Report Date: July 1985
   **Not Used**

2. WCAP-10054-P-A, "Westinghouse Small Break ECCS Evaluation Model using the NOTRUMP Code," (W Proprietary).

   Revision 0
   Report Date: August 1985

   Addendum 2, “Addendum to the Westinghouse Small Break ECCS Evaluation Model Using the NOTRUMP Code: Safety Injection into the Broken Loop and COSI Condensation Model,” (W Proprietary). (Referenced in Duke Letter DPC-06-101)

   Revision 1
   July 1997

3. WCAP-10266-P-A, “The 1981 Version of Westinghouse Evaluation Model Using BASH Code,” (W Proprietary).

   Revision 2
   Report Date: March 1987
   **Not Used**

4. WCAP-12945-P-A, Volume 1 and Volumes 2-5, “Code Qualification Document for Best-Estimate Loss of Coolant Analysis,” (W Proprietary).

   Revision: Volume 1 (Revision 2) and Volumes 2-5 (Revision 1)
   Report Date: March 1998

5. BAW-10168P-A, “B&W Loss-of-Coolant Accident Evaluation Model for Recirculating Steam Generator Plants,” (B&W Proprietary).

   Revision 1
   SER Date: January 22, 1991
   Revision 2
   SER Dates: August 22, 1996 and November 26, 1996
   Revision 3
   SER Date: June 15, 1994
   **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

6. DPC-NE-3000-PA, “Thermal-Hydraulic Transient Analysis Methodology,” (Duke Energy Proprietary).

   Revision 5a
   Report Date: October 2012

7. DPC-NE-3001-PA, "Multidimensional Reactor Transients and Safety Analysis Physics Parameter Methodology," (Duke Energy Proprietary).

   Revision 1
   Report Date: March 2015

8. DPC-NE-3002-A, "UFSAR Chapter 15 System Transient Analysis Methodology".

   Revision 4c
   Report Date: February 2019

9. DPC-NE-2004P-A, "Duke Power Company McGuire and Catawba Nuclear Stations Core Thermal-Hydraulic Methodology using VIPRE-01," (Duke Energy Proprietary).

   Revision 2a
   Report Date: December 2008

10. DPC-NE-2005P-A, "Thermal Hydraulic Statistical Core Design Methodology," (Duke Energy Proprietary).

    Revision 6
    Report Date: September 2020

11. DPC-NE-2008P-A, "Fuel Mechanical Reload Analysis Methodology Using TACO3," (Duke Energy Proprietary).

    Revision 0
    Report Date: April 1995
    **Not Used**

12. DPC-NE-2009-P-A, "Westinghouse Fuel Transition Report,” (Duke Energy Proprietary).

    Revision 3c
    Report Date: March 2017

13. DPC-NE-1004-A, "Nuclear Design Methodology Using CASMO-3/SIMULATE-3P."

    Revision 1a
    Report Date: January 2009
    **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

14. DPC-NF-2010-A, "Nuclear Physics Methodology for Reload Design."

    Revision 2a
    Report Date: December 2009

15. DPC-NE-2011-PA, "Nuclear Design Methodology Report for Core Operating Limits of Westinghouse Reactors," (Duke Energy Proprietary).

    Revision 1a
    Report Date: June 2009

16. DPC-NE-1005-PA, "Nuclear Design Methodology Using CASMO-4 / SIMULATE-3 MOX," (Duke Energy Proprietary).

    Revision 1
    Report Date: November 2008

17. BAW-10231P-A, "COPERNIC Fuel Rod Design Computer Code" (Framatome ANP Proprietary)

    Revision 1
    SER Date: January 14, 2004
    **Not Used**

18. DPC-NE-1007-P-A, "Conditional Exemption of the EOC MTC Measurement Methodology," (Duke Energy and W Proprietary)

    Revision 0
    Report Date: April 2015

19. WCAP-12610-P-A, "VANTAGE+ Fuel Assembly Reference Core Report," (W Proprietary).

    Revision 0
    Report Date: April 1995

20. WCAP-12610-P-A & CENPD-404-P-A, Addendum 1-A, "Optimized ZIRLO™," (W Proprietary).

    Revision 0
    Report Date: July 2006

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.0 Operating Limits

Cycle-specific parameter limits for specifications listed in Section 1.0 are presented in the following subsections. These limits have been developed using NRC approved methodologies specified in Section 1.1.

### 2.1 N/A in Rev. 2. Reactor Core Safety Limits (TS 2.1.1)

Reactor Core Safety Limits are shown in Figure 1.

### 2.2 Shutdown Margin - SDM (TS 3.1.1, TS 3.1.4, TS 3.1.5, TS 3.1.6, TS 3.1.8)

**2.2.1** For TS 3.1.1, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODES 3 and 4.

**2.2.2** For TS 3.1.1, SDM shall be $\geq$ 1.0% $\Delta K/K$ in MODE 5.

**N/A in Rev. 2. 2.2.3** For TS 3.1.4, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2.

**N/A in Rev. 2. 2.2.4** For TS 3.1.5, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2 with any control bank not fully inserted.

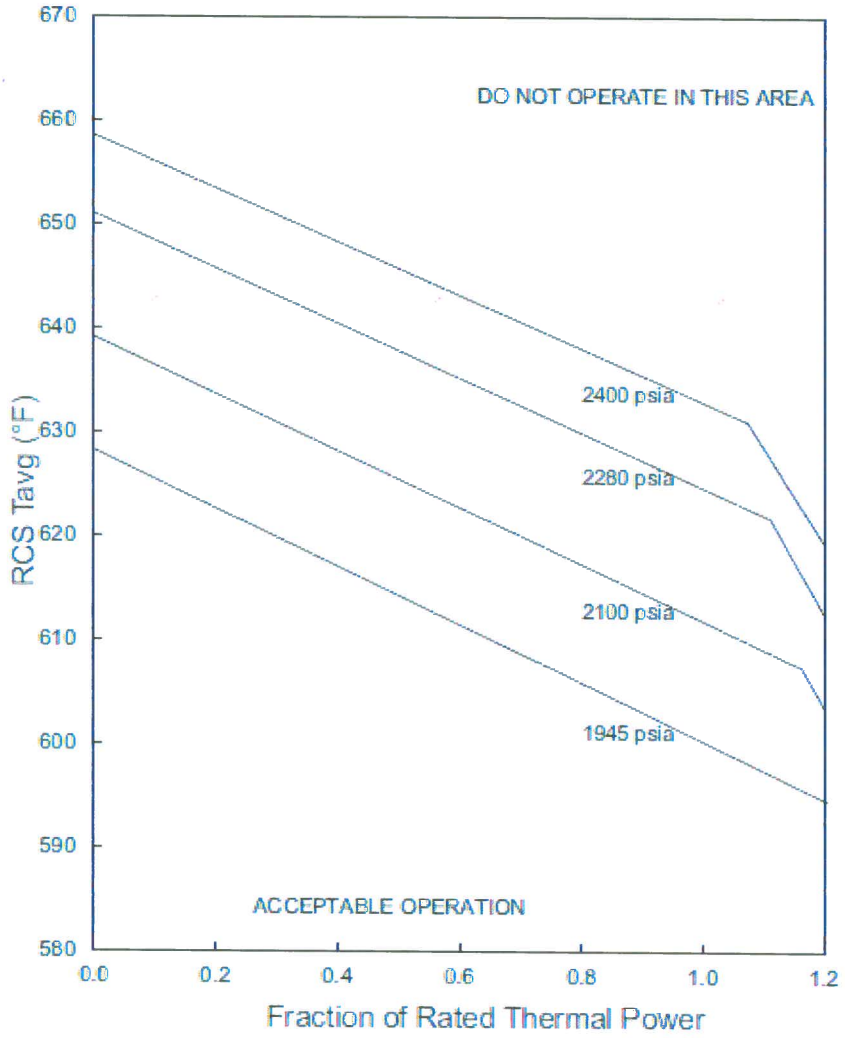
**N/A in Rev. 2. 2.2.5** For TS 3.1.6, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2 with $K_{eff} \geq 1.0$.

**N/A in Rev. 2. 2.2.6** For TS 3.1.8, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 2 during PHYSICS TESTS.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 1**

**Reactor Core Safety Limits**
**(Four Loops in Operation)**



**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.3 Moderator Temperature Coefficient - MTC (TS 3.1.3)

**2.3.1** Moderator Temperature Coefficient (MTC) Limits are:

MTC shall be less positive than the upper limits shown in Figure 2.

BOC, ARO, HZP MTC shall be less positive than 0.7E-04 ΔK/K/°F.

EOC, ARO, RTP MTC shall be less negative than the -4.3E-04 ΔK/K/°F lower MTC limit.

**2.3.2** 300 ppm MTC Surveillance Limit is:

Measured 300 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -3.65E-04 ΔK/K/°F.

**2.3.3** The Revised Predicted near-EOC 300 ppm ARO RTP MTC shall be calculated using the procedure contained in DPC-NE-1007-PA.

If the Revised Predicted MTC is less negative than or equal to the 300 ppm SR 3.1.3.2 Surveillance Limit, and all benchmark data contained in the surveillance procedure is satisfied, then an MTC measurement in accordance with SR 3.1.3.2 is not required to be performed.

**2.3.4** 60 ppm MTC Surveillance Limit is:

Measured 60 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -4.125E-04 ΔK/K/°F.

Where:
BOC = Beginning of Cycle (burnup corresponding to most positive MTC)
EOC = End of Cycle
ARO = All Rods Out
HZP = Hot Zero Power
RTP = Rated Thermal Power
ppm = Parts per million (Boron)

## 2.4 N/A in Rev. 2. Shutdown Bank Insertion Limit (TS 3.1.5)

**2.4.1** Each shutdown bank shall be withdrawn to at least 222 steps. Shutdown banks are withdrawn in sequence and with no overlap.

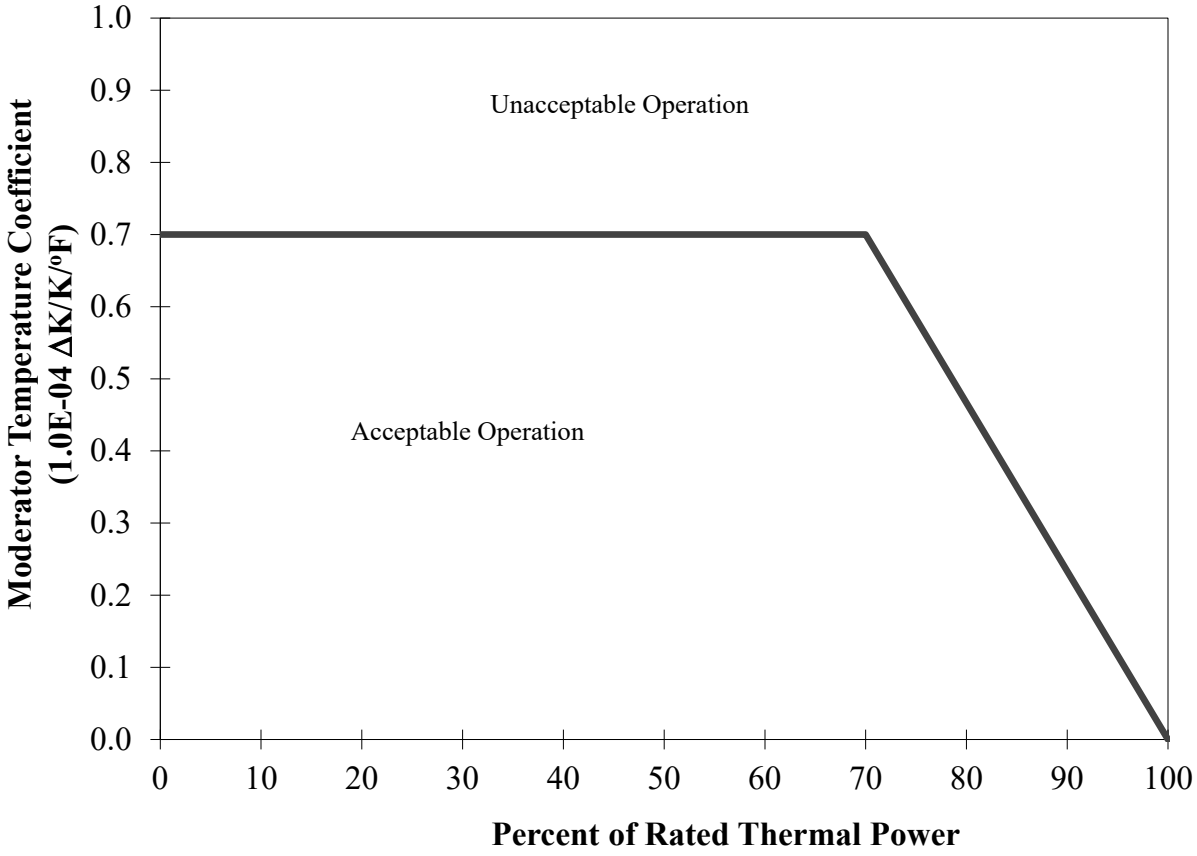
## 2.5 N/A in Rev. 2. Control Bank Insertion Limits (TS 3.1.6)

**2.5.1** Control banks shall be within the insertion, sequence, and overlap limits shown in Figure 3. Specific control bank withdrawal and overlap limits as a function of the fully withdrawn position are shown in Table 1.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 2**

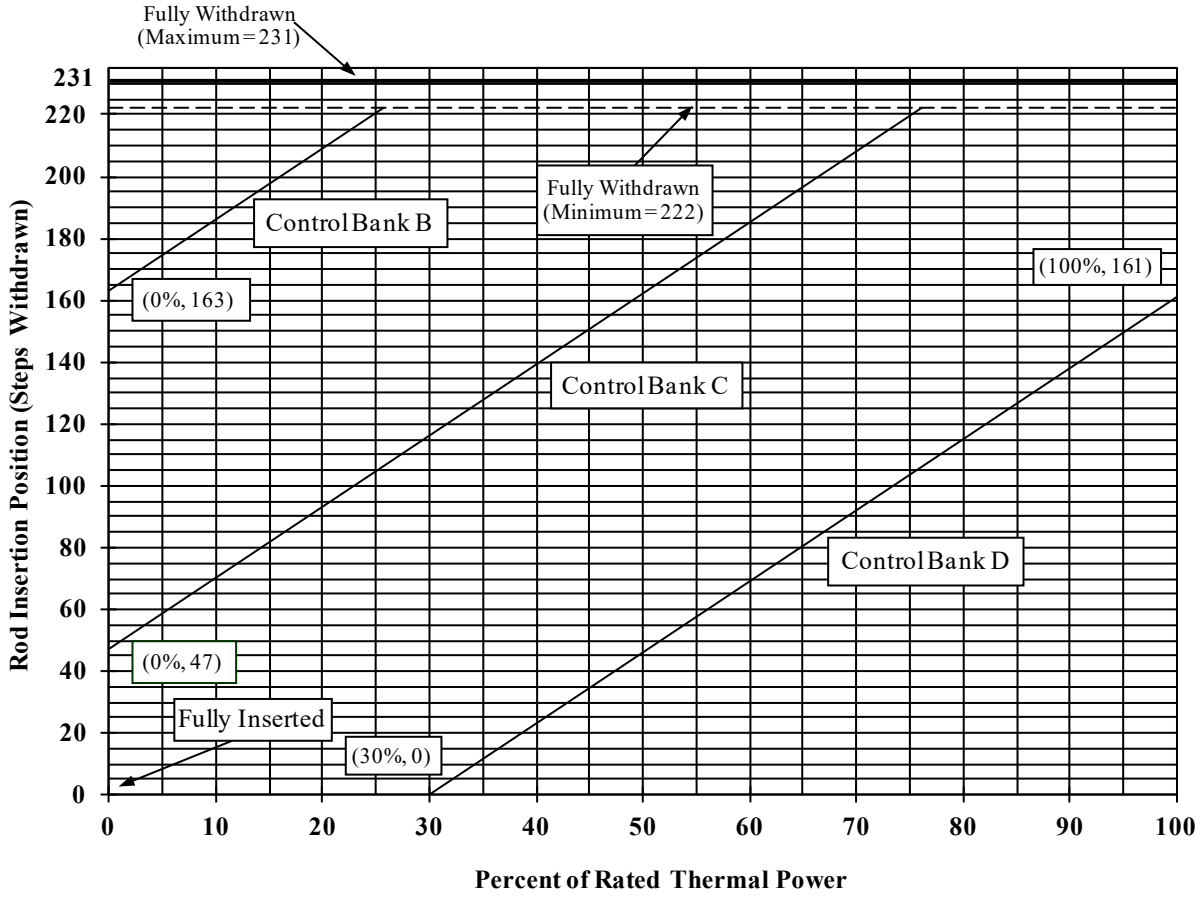
**Moderator Temperature Coefficient Upper Limit Versus Power Level**




**NOTE:** Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 3**
**Control Bank Insertion Limits Versus Percent Rated Thermal Power**




The Rod Insertion Limits (RIL) for Control Bank D (CD), Control Bank C (CC), and Control Bank B (CB) can be calculated by:

*Bank CD RIL = 2.3(P) – 69 {30 ≤ P ≤ 100}*
*Bank CC RIL = 2.3(P) + 47 {0 ≤ P ≤ 76.1} for CC RIL = 222 {76.1 < P ≤ 100}*
*Bank CB RIL = 2.3(P) + 163 {0 ≤ P ≤ 25.7} for CB RIL = 222 {25.7 < P ≤ 100}*

*where P = % of Rated Thermal Power*

**NOTE**: Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 1**

**Control Bank Withdrawal Sequence Equation**

| Control Bank A | Control Bank B | Control Bank C | Control Bank D |
|---|---|---|---|
| 0 Start | 0 | 0 | 0 |
| 116 | 0 Start | 0 | 0 |
| CBA Stop | CBA - 116 | 0 | 0 |
| CBA | 116 | 0 Start | 0 |
| CBA | CBB Stop | CBB - 116 | 0 |
| CBA | CBB | 116 | 0 Start |
| CBA | CBB | CBC Stop | CBC - 116 |

Where:
*CBA* = Fully withdrawn position of Control Bank A
*CBB* = Fully withdrawn position of Control Bank B
*CBC* = Fully withdrawn position of Control Bank C

Allowed Control Bank Fully Withdrawn Positions Range from 223 Steps to 231 Steps for frequent RCCA Reposition Required per CNEI-0400-091, Rev. 7, “RCCA Axial Repositioning Schedule for Catawba Nuclear Station.”

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.6 N/A in Rev. 2. Heat Flux Hot Channel Factor - $F_Q(X,Y,Z)$ (TS 3.2.1)

**2.6.1** $F_Q(X,Y,Z)$ steady-state limits are defined by the following relationships:

$$F_Q^{RTP} * K(Z)/P \qquad \text{for } P > 0.5$$

$$F_Q^{RTP} * K(Z)/0.5 \qquad \text{for } P \leq 0.5$$

where,

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

Note: Measured $F_Q(X,Y,Z)$ shall be increased by 3% to account for manufacturing tolerances and 5% to account for measurement uncertainty when comparing against the LCO limits. The manufacturing tolerance and measurement uncertainty are implicitly included in the $F_Q$ surveillance limits as defined in COLR Sections 2.6.5 and 2.6.6.

**2.6.2** $F_Q^{RTP} = 2.70 \times K(BU)$

**2.6.3** K(Z) is the normalized $F_Q(X,Y,Z)$ as a function of core height. K(Z) for Westinghouse RFA fuel is provided in Figure 4.

**2.6.4** K(BU) is the normalized $F_Q(X,Y,Z)$ as a function of burnup. $F_Q^{RTP}$ with the K(BU) penalty for Westinghouse RFA fuel is analytically confirmed in cycle-specific reload calculations. K(BU) is set to 1.0 at all burnups.

The following parameters are required for core monitoring per the Surveillance Requirements of Technical Specification 3.2.1:

**2.6.5** $$[F_Q^L(X,Y,Z)]^{OP} = \frac{F_Q^D(X,Y,Z) * M_Q(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{OP}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ LOCA limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F_Q^L(X,Y,Z)^{OP}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Design power distribution for $F_Q$. $F_Q^D(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in

Appendix Table A-4 for power escalation testing during initial startup operation.

$M_Q(X,Y,Z)$ = Margin remaining in core location X,Y,Z to the LOCA limit in the transient power distribution. $M_Q(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in Appendix Table A-4 for power escalation testing during initial startup operation.

UMT = Total Peak Measurement Uncertainty. (UMT = 1.05)

MT = Engineering Hot Channel Factor. (MT = 1.03)

TILT = Peaking penalty to account for allowable quadrant power tilt ratio of 1.02. (TILT = 1.035)

**2.6.6** $$[F_Q^L(X,Y,Z)]^{RPS} = \frac{F_Q^D(X,Y,Z) * M_C(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{RPS}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ Centerline Fuel Melt (CFM) limit is not exceeded for operation within AFD, RIL, and QPTR limits. $[F_Q^L(X,Y,Z)]^{RPS}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Defined in Section 2.6.5.

$M_C(X,Y,Z)$ = Margin remaining to the CFM limit in core location X,Y,Z from the transient power distribution. $M_C(X,Y,Z)$ is provided in Appendix Table A-2 for normal operating conditions and in Appendix Table A-5 for power escalation testing during initial startup operations.

UMT = Defined in Section 2.6.5.

MT = Defined in Section 2.6.5.

TILT = Defined in Section 2.6.5.

**2.6.7** KSLOPE = 0.0725

where:

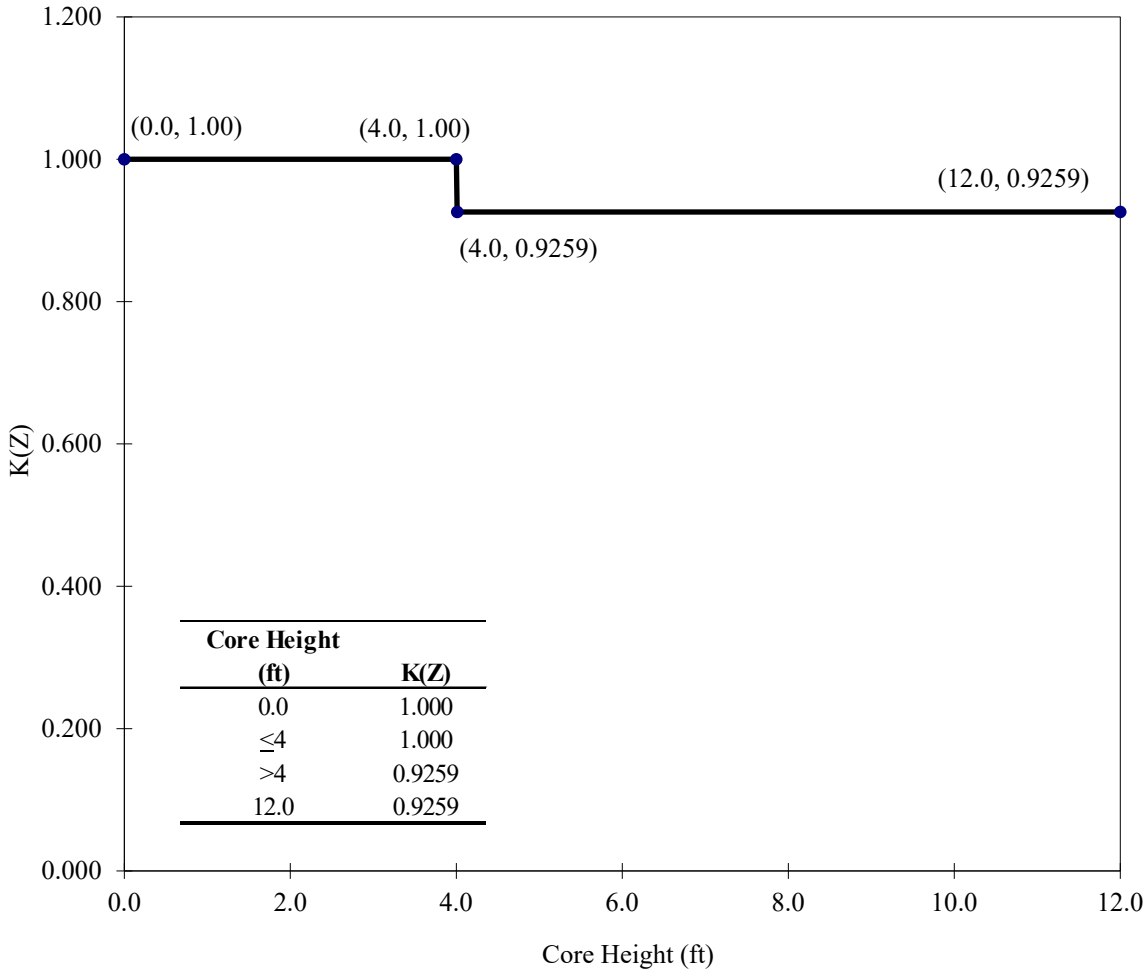
KSLOPE = Adjustment to $K_1$ value from OTΔT trip setpoint required to compensate for each 1% $F_Q^M$ (X,Y,Z) exceeds $F_Q^L$(X,Y,Z)$^{RPS}$.

**2.6.8** $F_Q$(X,Y,Z) Penalty Factors for Technical Specification Surveillances 3.2.1.2 and 3.2.1.3 are provided in Table 2.

# Catawba 1 Cycle 27 Core Operating Limits Report

## Figure 4

## K(Z), Normalized $F_Q(X,Y,Z)$ as a Function of Core Height for RFA Fuel




| Core Height (ft) | K(Z) |
|---|---|
| 0.0 | 1.000 |
| ≤4 | 1.000 |
| >4 | 0.9259 |
| 12.0 | 0.9259 |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 2**

**$F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ Penalty Factors**
**For Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2**

| Burnup (EFPD) | $F_Q(X,Y,Z)$ Penalty Factor(%) | $F_{\Delta H}(X,Y)$ Penalty Factor (%) |
|---|---|---|
| 4 | 2.00 | 2.00 |
| 12 | 2.00 | 2.00 |
| 25 | 2.46 | 2.00 |
| 50 | 2.00 | 2.00 |
| 75 | 2.00 | 2.00 |
| 100 | 2.00 | 2.00 |
| 125 | 2.00 | 2.00 |
| 150 | 2.00 | 2.00 |
| 175 | 2.00 | 2.00 |
| 200 | 2.00 | 2.00 |
| 225 | 2.00 | 2.00 |
| 250 | 2.00 | 2.00 |
| 275 | 2.00 | 2.00 |
| 300 | 2.00 | 2.00 |
| 325 | 2.00 | 2.00 |
| 350 | 2.00 | 2.00 |
| 375 | 2.00 | 2.00 |
| 400 | 2.00 | 2.00 |
| 425 | 2.00 | 2.00 |
| 450 | 2.00 | 2.00 |
| 465 | 2.00 | 2.00 |
| 484 | 2.00 | 2.00 |
| 488 | 2.00 | 2.00 |
| 503 | 2.00 | 2.00 |
| 513 | 2.00 | 2.00 |
| 523 | 2.00 | 2.00 |

**Note**: Linear interpolation is adequate for intermediate cycle burnups. All cycle burnups outside the range of the table shall use a 2% penalty factor for both $F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ for compliance with Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2.

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.7 N/A in Rev. 2. Nuclear Enthalpy Rise Hot Channel Factor - $F_{\Delta H}(X,Y)$ (TS 3.2.2)

$F_{\Delta H}$ steady-state limits referred to in Technical Specification 3.2.2 are defined by the following relationship.

**2.7.1** $$[F^{L}_{\Delta H}(X,Y)]^{LCO} = MARP(X,Y) * \left[1.0 + \frac{1}{RRH} * (1.0 - P)\right]$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{LCO}$ is the steady-state, maximum allowed radial peak and includes allowances for calculation/measurement uncertainty.

MARP(X,Y) = Cycle-specific operating limit Maximum Allowable Radial Peaks. MARP(X,Y) radial peaking limits are provided in Table 3.

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

RRH = Thermal Power reduction required to compensate for each 1% measured radial peak, $F^{M}_{\Delta H}(X,Y)$, exceeds the limit.
(RRH = 3.34, $0.0 < P \leq 1.0$)

The following parameters are required for core monitoring per surveillance requirements of Technical Specification 3.2.2.

**2.7.2** $$[F^{L}_{\Delta H}(X,Y)]^{SURV} = \frac{F^{D}_{\Delta H}(X,Y) * M_{\Delta H}(X,Y)}{UMR * TILT}$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{SURV}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_{\Delta H}(X,Y)$ limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F^{L}_{\Delta H}(X,Y)^{SURV}$ includes allowances for calculation and measurement uncertainty.

$F^{D}_{\Delta H}(X,Y)$ = Design power distribution for $F_{\Delta H}$. $F^{D}_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

$M_{\Delta H}(X,Y)$ = Margin remaining in core location X,Y relative to the Operational DNB limits in the transient power distribution. $M_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

UMR = Uncertainty value for measured radial peaks (UMR = 1.0). UMR is 1.0 since a factor of 1.04 is implicitly included in the variable $M_{\Delta H}(X,Y)$.

TILT = Defined in Section 2.6.5.

**2.7.3** RRH is defined in Section 2.7.1.

**2.7.4** TRH = 0.04

where:

TRH = Reduction in OTΔT $K_1$ setpoint required to compensate for each 1% that the measured radial peak, $F^M_{\Delta H}(X,Y)$ exceeds its limit.

**2.7.5** $F_{\Delta H}(X,Y)$ Penalty Factors for Technical Specification Surveillance 3.2.2.2 are provided in Table 2.

## 2.8 N/A in Rev. 2. Axial Flux Difference – AFD (TS 3.2.3)

**2.8.1** Axial Flux Difference (AFD) Limits are provided in Figure 5.

# Catawba 1 Cycle 27 Core Operating Limits Report

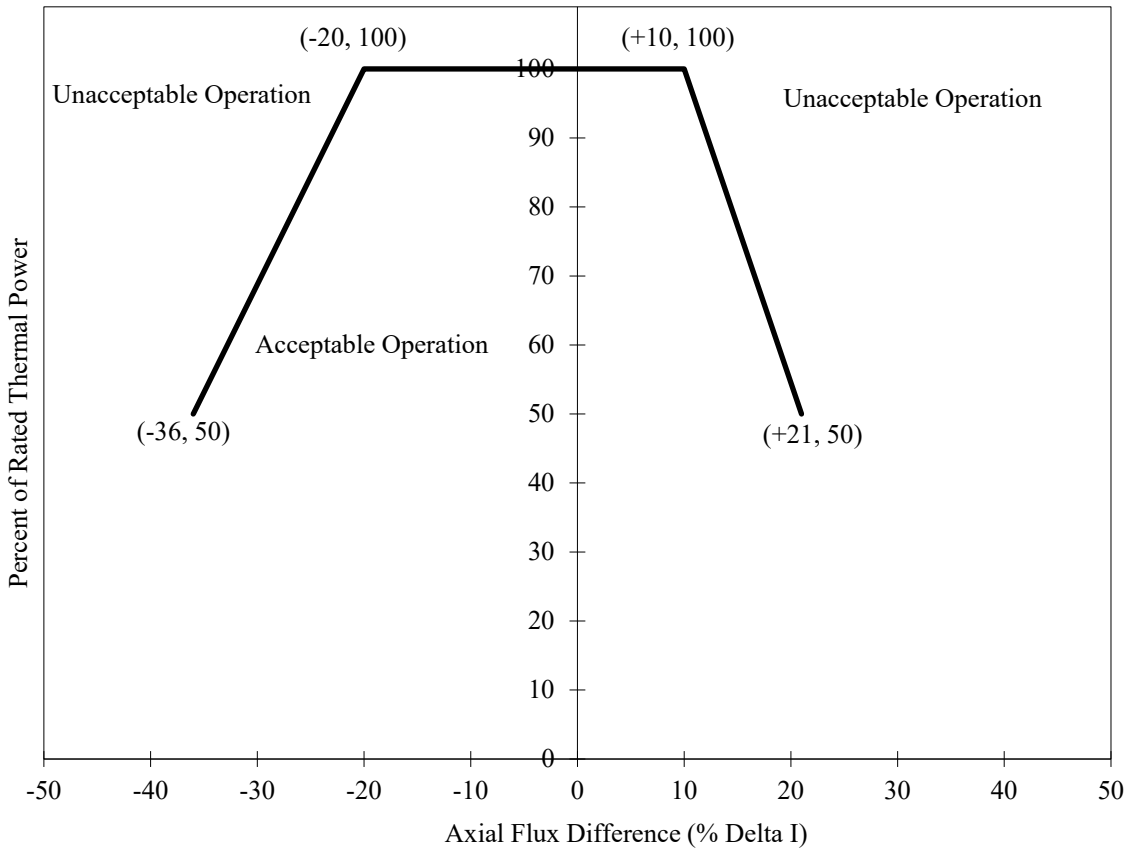
## Table 3
## Maximum Allowable Radial Peaks (MARPs)
## RFA Steady State Limiting Value Between
## Loss of Flow Accident (LOFA) MARPs and $F\Delta H_{LOCA}$

| Core Height (ft) | Axial Peak | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **1.05** | **1.1** | **1.2** | **1.3** | **1.4** | **1.5** | **1.6** | **1.7** | **1.8** | **1.9** | **2.1** | **3** | **3.25** |
| **0.12** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3151 | 1.2461 |
| **1.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3007 | 1.2235 |
| **2.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4633 | 1.4616 |
| **3.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4675 | 1.3874 |
| **4.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.2987 | 1.2579 |
| **6.00** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3293 | 1.2602 |
| **7.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5982 | 1.2871 | 1.2195 |
| **8.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6010 | 1.5127 | 1.2182 | 1.1578 |
| **9.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5808 | 1.5301 | 1.4444 | 1.1431 | 1.0914 |
| **10.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5743 | 1.5573 | 1.5088 | 1.4624 | 1.3832 | 1.1009 | 1.0470 |
| **11.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6057 | 1.5826 | 1.5289 | 1.5098 | 1.4637 | 1.4218 | 1.3458 | 1.0670 | 1.0142 |

## Catawba 1 Cycle 27 Core Operating Limits Report

### Figure 5

### Percent of Rated Thermal Power Versus Percent Axial Flux Difference Limits




**NOTE:** Compliance with Technical Specification 3.2.1 may require more restrictive AFD limits. Refer to the Unit 1 ROD manual for operational AFD limits.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 2.9 N/A in Rev. 2. Reactor Trip System Instrumentation Setpoints (TS 3.3.1) Table 3.3.1-1

### 2.9.1 Overtemperature ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | $T' \leq 585.1°F$ |
| Nominal RCS Operating Pressure | $P' = 2235$ psig |
| Overtemperature ΔT reactor trip setpoint | $K_1 = 1.1978$ |
| Overtemperature ΔT reactor trip heatup setpoint penalty coefficient | $K_2 = 0.03340/°F$ |
| Overtemperature ΔT reactor trip depressurization setpoint penalty coefficient | $K_3 = 0.001601/psi$ |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1 = 8$ sec.<br>$\tau_2 = 3$ sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3 = 0$ sec. |
| Time constants utilized in the lead-lag compensator for $T_{avg}$ | $\tau_4 = 22$ sec.<br>$\tau_5 = 4$ sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6 = 0$ sec. |
| $f_1(\Delta I)$ "positive" breakpoint | = 19.0 %ΔI |
| $f_1(\Delta I)$ "negative" breakpoint | = N/A* |
| $f_1(\Delta I)$ "positive" slope | = 1.769 $\%\Delta T_0$/ %ΔI |
| $f_1(\Delta I)$ "negative" slope | = N/A* |

* $f_1(\Delta I)$ negative breakpoints and slopes for OTΔT are less restrictive than OPΔT $f_2(\Delta I)$ negative breakpoint and slope. Therefore, during a transient which challenges negative imbalance limits, OPΔT $f_2(\Delta I)$ limits will result in a reactor trip before OTΔT $f_1(\Delta I)$ limits are reached. This makes implementation of an OTΔT $f_1(\Delta I)$ negative breakpoint and slope unnecessary.

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**2.9.2** Overpower ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | T" ≤ 585.1°F |
| Overpower ΔT reactor trip setpoint | $K_4$ = 1.0864 |
| Overpower ΔT reactor trip penalty | $K_5$ = 0.02 / °F for increasing Tavg<br>$K_5$ = 0.00 / °F for decreasing Tavg |
| Overpower ΔT reactor trip heatup setpoint penalty coefficient | $K_6$ = 0.001179/°F for T > T"<br>$K_6$ = 0.0 /°F for T ≤ T" |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1$ = 8 sec.<br>$\tau_2$ = 3 sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3$ = 0 sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6$ = 0 sec. |
| Time constant utilized in the rate-lag controller for $T_{avg}$ | $\tau_7$ = 10 sec. |
| $f_2(\Delta I)$ "positive" breakpoint | = 35.0 %ΔI |
| $f_2(\Delta I)$ "negative" breakpoint | = -35.0 %ΔI |
| $f_2(\Delta I)$ "positive" slope | = 7.0 %$\Delta T_0$/ %ΔI |
| $f_2(\Delta I)$ "negative" slope | = 7.0 %$\Delta T_0$/ %ΔI |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.10 Boron Dilution Mitigation System (TS 3.3.9)

**2.10.1** Reactor Makeup Water Pump flow rate limits:

| Applicable Mode | Limit |
|---|---|
| MODE 3 | ≤ 80 gpm |
| MODE 4 or 5 | ≤ 70 gpm |

## 2.11 N/A in Rev. 2. RCS Pressure, Temperature, and Flow Limits for DNB (TS 3.4.1)

RCS pressure, temperature and flow limits for DNB are shown in Table 4.

## 2.12 Accumulators (TS 3.5.1)

**2.12.1** Boron concentration limits during MODE 3 with RCS pressure >1000 psi:

| Parameter | Applicable Burnup | Limit |
|---|---|---|
| Accumulator **minimum** boron concentration. | 0 - 200 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 200.1 - 300 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 300.1 - 400 EFPD | 2,297 ppm |
| Accumulator **minimum** boron concentration. | 400.1 - 513 EFPD | 2,145 ppm |
| Accumulator **minimum** boron concentration | 513.1 - 532 EFPD | 1,972 ppm |
| Accumulator **maximum** boron concentration. | 0 - 532 EFPD | 3,075 ppm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 4**

Reactor Coolant System DNB Parameters

| PARAMETER | INDICATION | No. Operable CHANNELS | LIMITS |
|---|---|---|---|
| 1. Indicated RCS Average Temperature | meter | 4 | ≤ 587.5 ˚F |
| | meter | 3 | ≤ 587.3 ˚F |
| | computer | 4 | ≤ 588.0 ˚F |
| | computer | 3 | ≤ 587.9 ˚F |
| 2. Indicated Pressurizer Pressure | meter | 4 | ≥ 2206.9 psig |
| | meter | 3 | ≥ 2208.7 psig |
| | computer | 4 | ≥ 2204.0 psig |
| | computer | 3 | ≥ 2205.4 psig |
| 3. RCS Total Flow Rate | | | ≥ 384,000 gpm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.13 Refueling Water Storage Tank - RWST (TS 3.5.4)

**2.13.1** Boron concentration limits during MODES 3 and 4:

| Parameter | Limit |
|---|---|
| RWST minimum boron concentration. | 2,700 ppm |
| RWST maximum boron concentration. | 3,075 ppm |

## 2.14 Spent Fuel Pool Boron Concentration (TS 3.7.15)

**2.14.1** Minimum boron concentration limit for the spent fuel pool. Applicable when fuel assemblies are stored in the spent fuel pool.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration. | 2,700 ppm |

## 2.15 Refueling Operations - Boron Concentration (TS 3.9.1)

**2.15.1** Minimum boron concentration limit for filled portions of the Reactor Coolant System, refueling canal, and refueling cavity for MODE 6 conditions. The minimum boron concentration limit and plant refueling procedures ensure that core $K_{eff}$ remains within MODE 6 reactivity requirement of $K_{eff} \leq 0.95$.

| Parameter | Limit |
|---|---|
| Minimum boron concentration of the Reactor Coolant System, the refueling canal, and the refueling cavity. | 2,700 ppm |

## 2.16 Standby Shutdown System - (SLC-16.7-9)

**2.16.1** Minimum boron concentration limit for the spent fuel pool required for Standby Makeup Pump Water Supply. Applicable for MODE 3.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration for TR 16.7-9-3. | 2,700 ppm |

## 2.17 Boration Systems Borated Water Source – Shutdown (SLC 16.9-11)

**2.17.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODE 4 with any RCS cold leg temperature ≤ 210 °F, and MODES 5 and 6.

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 68°F | 2,000 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 13,086 gallons (14.9%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 68 °F | 7,000 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 48,500 gallons (8.7%) |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.18 Boration Systems Borated Water Source - Operating (SLC 16.9-12)

**2.18.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODE 3 and MODE 4 with all RCS cold leg temperatures > 210 °F*.

*** NOTE: The SLC 16.9-12 applicability is down to MODE 4 temperatures of > 210°F. The minimum volumes calculated support cooldown to 200°F to satisfy UFSAR Chapter 9 requirements.**

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 210 °F | 13,500 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 25,200 gallons (45.8%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 210 °F | 57,107 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 98,607 gallons (22.0%) |

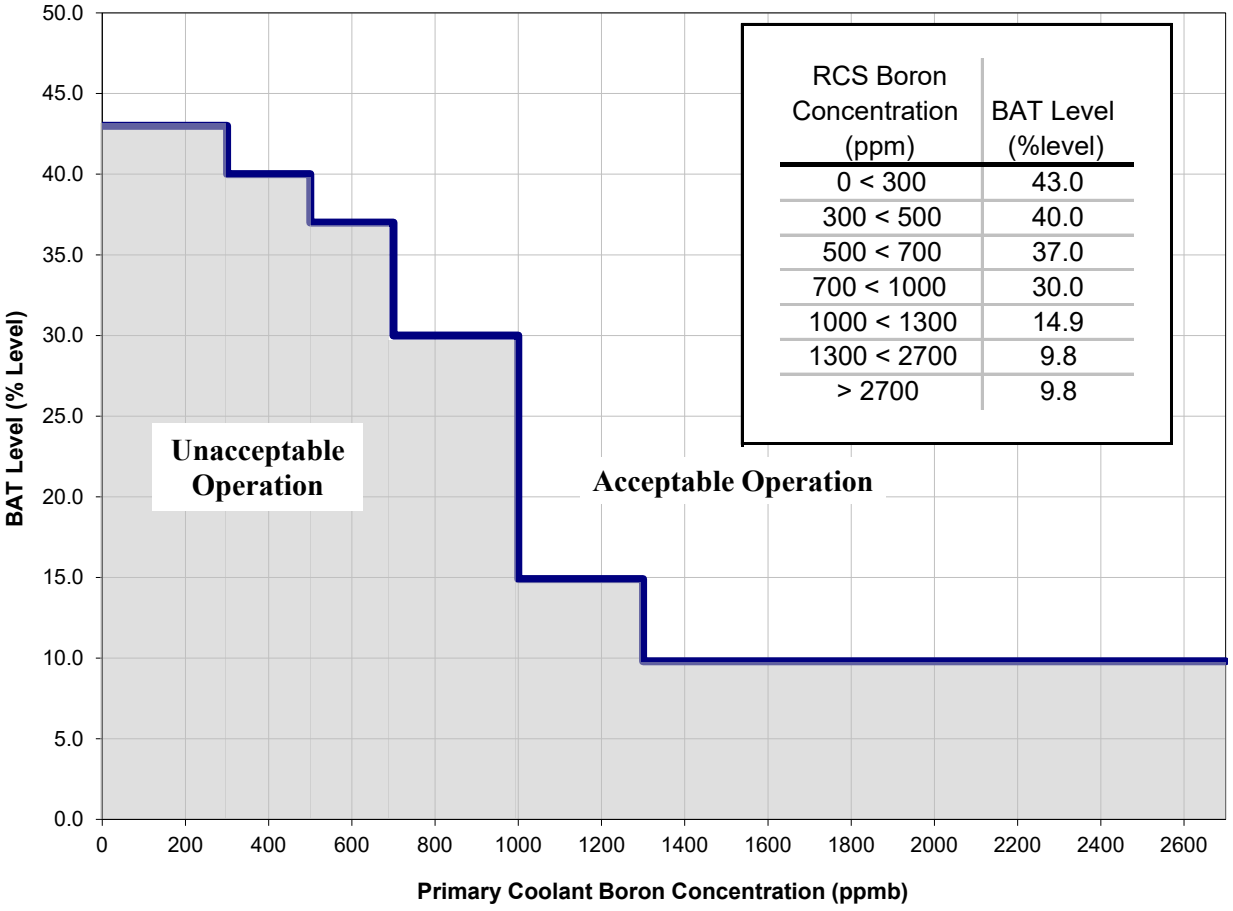
# Catawba 1 Cycle 27 Core Operating Limits Report

## Figure 6

## Boric Acid Storage Tank Indicated Level Versus Primary Coolant Boron Concentration

## (Valid When Cycle Burnup is > 445 EFPD)

## This figure includes additional volumes listed in SLC 16.9-11 and 16.9-12




| RCS Boron Concentration (ppm) | BAT Level (%level) |
|---|---|
| 0 < 300 | 43.0 |
| 300 < 500 | 40.0 |
| 500 < 700 | 37.0 |
| 700 < 1000 | 30.0 |
| 1000 < 1300 | 14.9 |
| 1300 < 2700 | 9.8 |
| > 2700 | 9.8 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## Appendix A (N/A in Rev. 2)

### Power Distribution Monitoring Factors

Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance. This data was generated in the Catawba 1 Cycle 27 Maneuvering Analysis calculation file, CNC-1553.05-00-0705, Rev 0. Due to the size of the monitoring factor data, Appendix A is controlled electronically within the Duke document management system and is not included in the Duke internal copies of the COLR. The Plant Reactor Engineering section will control this information via computer file(s) and should be contacted if there is a need to access this information.

Appendix A is available to be transmitted to the NRC.

| Filename | Cksum / File Size |
|---|---|
| c1c27_AppendixA.pdf | 1983734659 / 3527213 |

**Enclosure 3**

Catawba Unit 1, Cycle 27, Core Operating Limits Report, Revision 3

DUKE ENERGY®

| | |
|---|---|
| **Facility Code :** | CN |
| **Applicable Facilities :** | CN |
| **Document Number :** | CNEI-0400-379 |
| **Document Revision Number :** | 003 |
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| **Document Title :** | Catawba 1 Cycle 27 Core Operating Limits Report |

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|---|---|---|
| Thompson, Chad A | Originator | 10/30/2021 |
| Rybenski, Matthew C. | Verifier | 10/30/2021 |
| Hight, Randy A | Safety Analysis Verifier | 10/30/2021 |
| Hawes, Mark W | Site Impact Review | 10/30/2021 |
| Lambert, Brad | Approver | 10/30/2021 |

**Notes :**

# Catawba 1 Cycle 27

# Core Operating Limits Report
# Revision 3

**October 2021**

Reference: CNC-1553.05-00-0711, Rev. 3
Reload 50.59 #02403601

**QA Condition 1**

The information presented in this report has been prepared and issued in accordance with Catawba Technical Specification 5.6.5.

# Catawba 1 Cycle 27 Core Operating Limits Report

## Implementation Instructions for Revision 3

### Revision Description and CR Tracking

Revision 3 of the Catawba 1 Cycle 27 COLR contains limits specific to the redesigned core. This redesign was due to damaging two fuel assemblies during reload (AR 02402821). Previous revisions were issued as reload work was completed, which allowed the refueling outage to progress with minimal delay. This revision is the result of the completion of all required analysis work on the redesigned core and provides limits to all Modes of Operation for the entire cycle.

### Implementation Schedule

The Catawba 1 Cycle 27 COLR requires the reload 50.59 (AR 02403601) be approved prior to implementation.

Revision 3 may become effective immediately upon receipt, but must be implemented prior to entering Mode 2 of cycle 27. The Catawba 1 Cycle 27 COLR will cease to be effective during NO MODE between cycles 27 and 28.

### Data Files to be Implemented

No data files are transmitted as part of this document.

### Additional Information

CDR was performed by Safety Analysis for COLR Sections 1.1, 2.1, 2.9 - 2.11, 2.13, and 2.16 – 2.18.

CNS Reactor Engineering performed site inspection in accordance with AD-NF-ALL-0807 and AD-NF-NGO-0214.

# Catawba 1 Cycle 27 Core Operating Limits Report

## REVISION LOG

| Revision | Effective Date | Pages Affected | COLR |
|---|---|---|---|
| 0 | September 2021 | 1-31, Appendix A* | C1C27 COLR, Rev. 0 |
| 1 | October 2021 | 1-31 | C1C27 COLR, Rev. 1 |
| 2 | October 2021 | 1-31 | C1C27 COLR, Rev. 2 |
| 3 | October 2021 | 1-31, Appendix A* | C1C27 COLR, Rev. 3 |

* Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance and is not uploaded as part of the EI body. However, Appendix A is uploaded into the document management system, for ease of transmittal to the NRC.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.0 Core Operating Limits Report

This Core Operating Limits Report (COLR) has been prepared in accordance with requirements of Technical Specification 5.6.5. Technical Specifications that reference this report are listed below along with the NRC approved analytical methods used to develop and/or determine COLR parameters identified in Technical Specifications.

| TS Section | Technical Specifications | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 2.1.1 | Reactor Core Safety Limits | RCS Temperature and Pressure Safety Limits | 2.1 | 6, 7, 8, 9, 10, 12, 15, 16, 19, 20 |
| 3.1.1 | Shutdown Margin | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.3 | Moderator Temperature Coefficient | MTC | 2.3 | 6, 7, 8, 14, 16, 18 |
| 3.1.4 | Rod Group Alignment Limits | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.1.5 | Shutdown Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.4 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.6 | Control Bank Insertion Limit | Shutdown Margin<br>Rod Insertion Limits | 2.2<br>2.5 | 2, 4, 6, 7, 8, 9, 10<br>12, 14, 15, 16, 19, 20 |
| 3.1.8 | Physics Tests Exceptions | Shutdown Margin | 2.2 | 6, 7, 8, 12, 14, 15, 16, 19, 20 |
| 3.2.1 | Heat Flux Hot Channel Factor | $F_Q$<br>AFD<br>OTΔT<br>Penalty Factors | 2.6<br>2.8<br>2.9<br>2.6 | 2, 4, 6, 7, 8, 9, 10,<br>12, 15, 16, 19, 20 |
| 3.2.2 | Nuclear Enthalpy Rise Hot Channel Factor | FΔH<br>Penalty Factors | 2.7<br>2.7 | 2, 4, 6, 7, 8, 9, 10<br>12, 15, 16, 19, 20 |
| 3.2.3 | Axial Flux Difference | AFD | 2.8 | 2, 4, 6, 7, 8, 15, 16 |
| 3.3.1 | Reactor Trip System Instrumentation | OTΔT<br>OPΔT | 2.9<br>2.9 | 6, 7, 8, 9, 10, 12<br>15, 16, 19, 20 |
| 3.3.9 | Boron Dilution Mitigation System | Reactor Makeup Water Flow Rate | 2.10 | 6, 7, 8, 14, 16 |
| 3.4.1 | RCS Pressure, Temperature and Flow limits for DNB | RCS Pressure, Temperature and Flow | 2.11 | 6, 7, 8, 9, 10, 12, 19, 20 |
| 3.5.1 | Accumulators | Max and Min Boron Conc. | 2.12 | 6, 7, 8, 14, 16 |
| 3.5.4 | Refueling Water Storage Tank | Max and Min Boron Conc. | 2.13 | 6, 7, 8, 14, 16 |
| 3.7.15 | Spent Fuel Pool Boron Concentration | Min Boron Concentration | 2.14 | 6, 7, 8, 14, 16 |
| 3.9.1 | Refueling Operations - Boron Concentration | Min Boron Concentration | 2.15 | 6, 7, 8, 14, 16 |
| 5.6.5 | Core Operating Limits Report (COLR) | Analytical Methods | 1.1 | None |

The Selected Licensee Commitments that reference this report are listed below

| SLC Section | Selected Licensee Commitment | COLR Parameter | COLR Section | NRC Approved Methodology (Section 1.1 Number) |
|---|---|---|---|---|
| 16.7-9 | Standby Shutdown System | Standby Makeup Pump Water Supply | 2.16 | 6, 7, 8, 14, 16 |
| 16.9-11 | Boration Systems – Borated Water Source – Shutdown | Borated Water Volume and Conc. for BAT/RWST | 2.17 | 6, 7, 8, 14, 16 |
| 16.9-12 | Boration Systems – Borated Water Source – Operating | Borated Water Volume and Conc. for BAT/RWST | 2.18 | 6, 7, 8, 14, 16 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods

Analytical methods used to determine core operating limits for parameters identified in Technical Specifications and previously reviewed and approved by the NRC as specified in Technical Specification 5.6.5 are as follows.

1. WCAP-9272-P-A, “Westinghouse Reload Safety Evaluation Methodology,” (W Proprietary).

   Revision 0
   Report Date: July 1985
   **Not Used**

2. WCAP-10054-P-A, "Westinghouse Small Break ECCS Evaluation Model using the NOTRUMP Code," (W Proprietary).

   Revision 0
   Report Date: August 1985

   Addendum 2, “Addendum to the Westinghouse Small Break ECCS Evaluation Model Using the NOTRUMP Code: Safety Injection into the Broken Loop and COSI Condensation Model,” (W Proprietary). (Referenced in Duke Letter DPC-06-101)

   Revision 1
   July 1997

3. WCAP-10266-P-A, “The 1981 Version of Westinghouse Evaluation Model Using BASH Code,” (W Proprietary).

   Revision 2
   Report Date: March 1987
   **Not Used**

4. WCAP-12945-P-A, Volume 1 and Volumes 2-5, “Code Qualification Document for Best-Estimate Loss of Coolant Analysis,” (W Proprietary).

   Revision: Volume 1 (Revision 2) and Volumes 2-5 (Revision 1)
   Report Date: March 1998

5. BAW-10168P-A, “B&W Loss-of-Coolant Accident Evaluation Model for Recirculating Steam Generator Plants,” (B&W Proprietary).

   Revision 1
   SER Date: January 22, 1991
   Revision 2
   SER Dates: August 22, 1996 and November 26, 1996
   Revision 3
   SER Date: June 15, 1994
   **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

6. DPC-NE-3000-PA, “Thermal-Hydraulic Transient Analysis Methodology,” (Duke Energy Proprietary).

   Revision 5a
   Report Date: October 2012

7. DPC-NE-3001-PA, "Multidimensional Reactor Transients and Safety Analysis Physics Parameter Methodology," (Duke Energy Proprietary).

   Revision 1
   Report Date: March 2015

8. DPC-NE-3002-A, "UFSAR Chapter 15 System Transient Analysis Methodology".

   Revision 4c
   Report Date: February 2019

9. DPC-NE-2004P-A, "Duke Power Company McGuire and Catawba Nuclear Stations Core Thermal-Hydraulic Methodology using VIPRE-01," (Duke Energy Proprietary).

   Revision 2a
   Report Date: December 2008

10. DPC-NE-2005P-A, "Thermal Hydraulic Statistical Core Design Methodology," (Duke Energy Proprietary).

    Revision 6
    Report Date: September 2020

11. DPC-NE-2008P-A, "Fuel Mechanical Reload Analysis Methodology Using TACO3," (Duke Energy Proprietary).

    Revision 0
    Report Date: April 1995
    **Not Used**

12. DPC-NE-2009-P-A, "Westinghouse Fuel Transition Report,” (Duke Energy Proprietary).

    Revision 3c
    Report Date: March 2017

13. DPC-NE-1004-A, "Nuclear Design Methodology Using CASMO-3/SIMULATE-3P."

    Revision 1a
    Report Date: January 2009
    **Not Used**

# Catawba 1 Cycle 27 Core Operating Limits Report

## 1.1 Analytical Methods (continued)

14. DPC-NF-2010-A, "Nuclear Physics Methodology for Reload Design."

    Revision 2a
    Report Date: December 2009

15. DPC-NE-2011-PA, "Nuclear Design Methodology Report for Core Operating Limits of Westinghouse Reactors," (Duke Energy Proprietary).

    Revision 1a
    Report Date: June 2009

16. DPC-NE-1005-PA, "Nuclear Design Methodology Using CASMO-4 / SIMULATE-3 MOX," (Duke Energy Proprietary).

    Revision 1
    Report Date: November 2008

17. BAW-10231P-A, "COPERNIC Fuel Rod Design Computer Code" (Framatome ANP Proprietary)

    Revision 1
    SER Date: January 14, 2004
    **Not Used**

18. DPC-NE-1007-P-A, "Conditional Exemption of the EOC MTC Measurement Methodology," (Duke Energy and W Proprietary)

    Revision 0
    Report Date: April 2015

19. WCAP-12610-P-A, "VANTAGE+ Fuel Assembly Reference Core Report," (W Proprietary).

    Revision 0
    Report Date: April 1995

20. WCAP-12610-P-A & CENPD-404-P-A, Addendum 1-A, "Optimized ZIRLO™," (W Proprietary).

    Revision 0
    Report Date: July 2006

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.0 Operating Limits

Cycle-specific parameter limits for specifications listed in Section 1.0 are presented in the following subsections. These limits have been developed using NRC approved methodologies specified in Section 1.1.

## 2.1 Reactor Core Safety Limits (TS 2.1.1)

Reactor Core Safety Limits are shown in Figure 1.

## 2.2 Shutdown Margin - SDM (TS 3.1.1, TS 3.1.4, TS 3.1.5, TS 3.1.6, TS 3.1.8)

**2.2.1** For TS 3.1.1, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 2 with $K_{eff} < 1.0$ and in MODES 3 and 4.

**2.2.2** For TS 3.1.1, SDM shall be $\geq$ 1.0% $\Delta K/K$ in MODE 5.

**2.2.3** For TS 3.1.4, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2.

**2.2.4** For TS 3.1.5, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2 with any control bank not fully inserted.

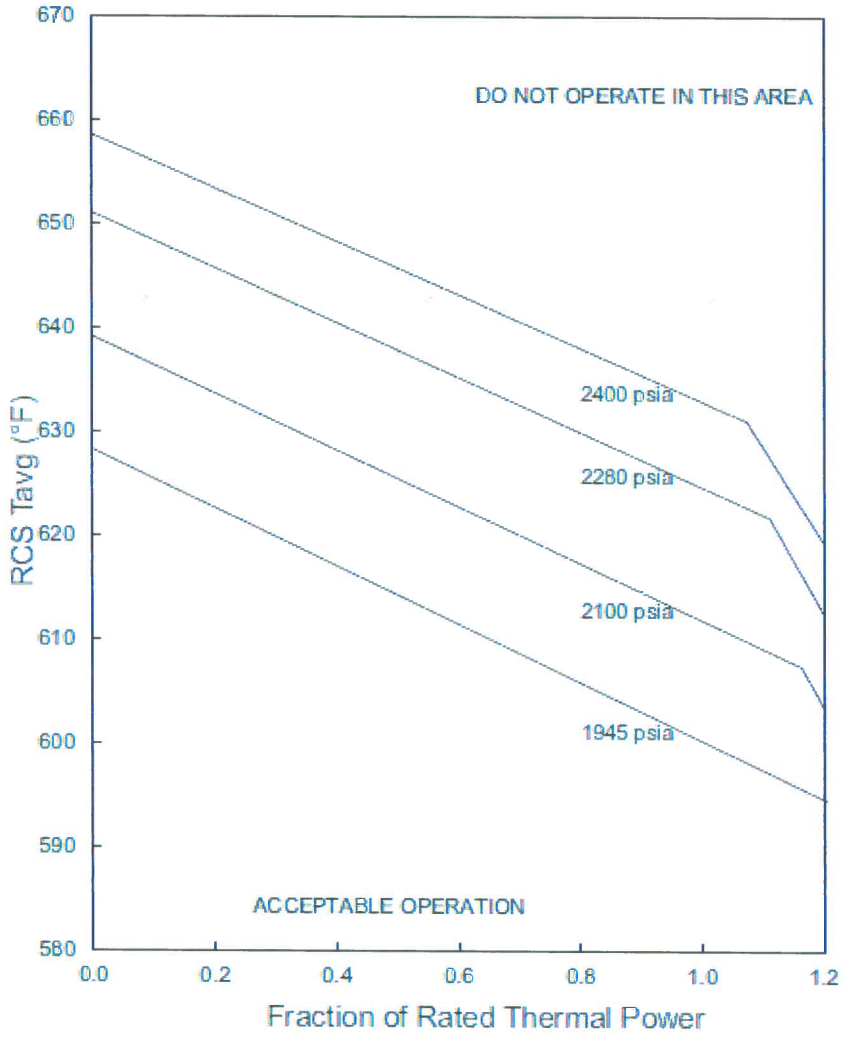
**2.2.5** For TS 3.1.6, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 1 and MODE 2 with $K_{eff} \geq$ 1.0.

**2.2.6** For TS 3.1.8, SDM shall be $\geq$ 1.3% $\Delta K/K$ in MODE 2 during PHYSICS TESTS.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 1**

**Reactor Core Safety Limits**
**(Four Loops in Operation)**



**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.3 Moderator Temperature Coefficient - MTC (TS 3.1.3)

**2.3.1** Moderator Temperature Coefficient (MTC) Limits are:

MTC shall be less positive than the upper limits shown in Figure 2.

BOC, ARO, HZP MTC shall be less positive than 0.7E-04 ΔK/K/°F.

EOC, ARO, RTP MTC shall be less negative than the -4.3E-04 ΔK/K/°F lower MTC limit.

**2.3.2** 300 ppm MTC Surveillance Limit is:

Measured 300 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -3.65E-04 ΔK/K/°F.

**2.3.3** The Revised Predicted near-EOC 300 ppm ARO RTP MTC shall be calculated using the procedure contained in DPC-NE-1007-PA.

If the Revised Predicted MTC is less negative than or equal to the 300 ppm SR 3.1.3.2 Surveillance Limit, and all benchmark data contained in the surveillance procedure is satisfied, then an MTC measurement in accordance with SR 3.1.3.2 is not required to be performed.

**2.3.4** 60 ppm MTC Surveillance Limit is:

Measured 60 ppm ARO, equilibrium RTP MTC shall be less negative than or equal to -4.125E-04 ΔK/K/°F.

Where:
BOC = Beginning of Cycle (burnup corresponding to most positive MTC)
EOC = End of Cycle
ARO = All Rods Out
HZP = Hot Zero Power
RTP = Rated Thermal Power
ppm = Parts per million (Boron)

## 2.4 Shutdown Bank Insertion Limit (TS 3.1.5)

**2.4.1** Each shutdown bank shall be withdrawn to at least 222 steps. Shutdown banks are withdrawn in sequence and with no overlap.

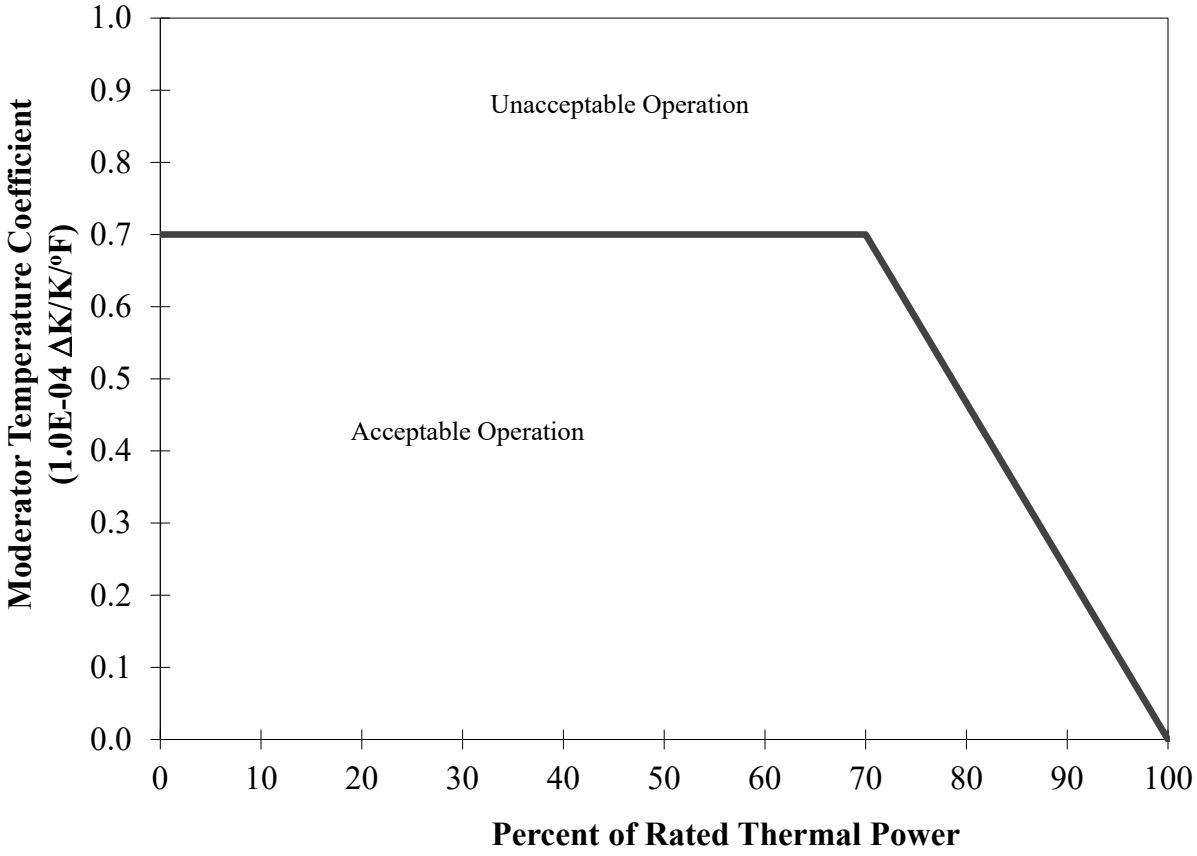
## 2.5 Control Bank Insertion Limits (TS 3.1.6)

**2.5.1** Control banks shall be within the insertion, sequence, and overlap limits shown in Figure 3. Specific control bank withdrawal and overlap limits as a function of the fully withdrawn position are shown in Table 1.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 2**

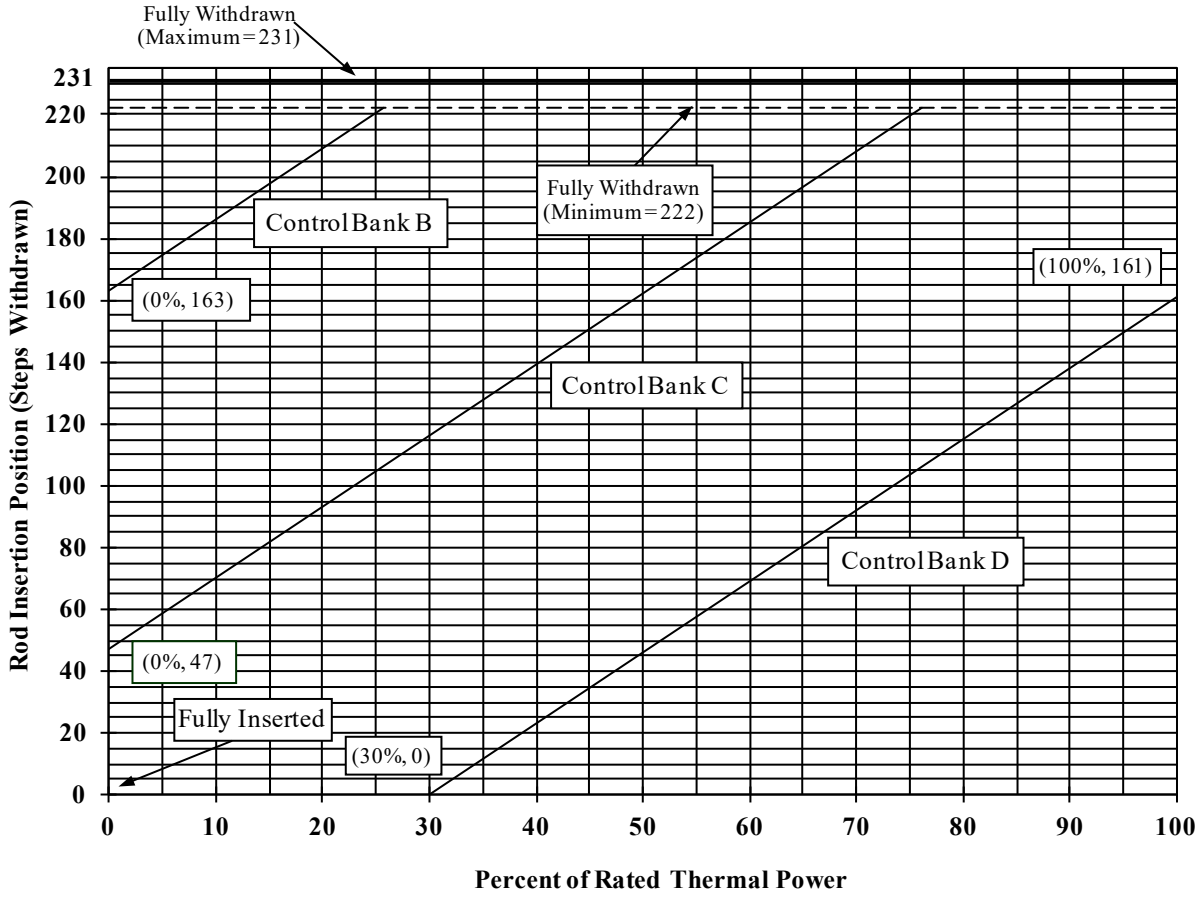
**Moderator Temperature Coefficient Upper Limit Versus Power Level**




**NOTE:** Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 3**
**Control Bank Insertion Limits Versus Percent Rated Thermal Power**




The Rod Insertion Limits (RIL) for Control Bank D (CD), Control Bank C (CC), and Control Bank B (CB) can be calculated by:

*Bank CD RIL = 2.3(P) – 69 {30 ≤ P ≤ 100}*
*Bank CC RIL = 2.3(P) + 47 {0 ≤ P ≤ 76.1} for CC RIL = 222 {76.1 < P ≤ 100}*
*Bank CB RIL = 2.3(P) + 163 {0 ≤ P ≤ 25.7} for CB RIL = 222 {25.7 < P ≤ 100}*

*where P = % of Rated Thermal Power*

**NOTE**: Compliance with Technical Specification 3.1.3 may require rod withdrawal limits. Refer to the Unit 1 ROD manual for details.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 1**

**Control Bank Withdrawal Sequence Equation**

| Control Bank A | Control Bank B | Control Bank C | Control Bank D |
|---|---|---|---|
| 0 Start | 0 | 0 | 0 |
| 116 | 0 Start | 0 | 0 |
| CBA Stop | CBA - 116 | 0 | 0 |
| CBA | 116 | 0 Start | 0 |
| CBA | CBB Stop | CBB - 116 | 0 |
| CBA | CBB | 116 | 0 Start |
| CBA | CBB | CBC Stop | CBC - 116 |

Where:
*CBA* = Fully withdrawn position of Control Bank A
*CBB* = Fully withdrawn position of Control Bank B
*CBC* = Fully withdrawn position of Control Bank C

Allowed Control Bank Fully Withdrawn Positions Range from 223 Steps to 231 Steps for frequent RCCA Reposition Required per CNEI-0400-091, Rev. 7, “RCCA Axial Repositioning Schedule for Catawba Nuclear Station.”

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.6 Heat Flux Hot Channel Factor - $F_Q(X,Y,Z)$ (TS 3.2.1)

**2.6.1** $F_Q(X,Y,Z)$ steady-state limits are defined by the following relationships:

$$F_Q^{RTP} * K(Z)/P \qquad \text{for } P > 0.5$$

$$F_Q^{RTP} * K(Z)/0.5 \qquad \text{for } P \leq 0.5$$

where,

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

Note: Measured $F_Q(X,Y,Z)$ shall be increased by 3% to account for manufacturing tolerances and 5% to account for measurement uncertainty when comparing against the LCO limits. The manufacturing tolerance and measurement uncertainty are implicitly included in the $F_Q$ surveillance limits as defined in COLR Sections 2.6.5 and 2.6.6.

**2.6.2** $F_Q^{RTP} = 2.70 \times K(BU)$

**2.6.3** K(Z) is the normalized $F_Q(X,Y,Z)$ as a function of core height. K(Z) for Westinghouse RFA fuel is provided in Figure 4.

**2.6.4** K(BU) is the normalized $F_Q(X,Y,Z)$ as a function of burnup. $F_Q^{RTP}$ with the K(BU) penalty for Westinghouse RFA fuel is analytically confirmed in cycle-specific reload calculations. K(BU) is set to 1.0 at all burnups.

The following parameters are required for core monitoring per the Surveillance Requirements of Technical Specification 3.2.1:

**2.6.5** $$[F_Q^L(X,Y,Z)]^{OP} = \frac{F_Q^D(X,Y,Z) * M_Q(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{OP}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ LOCA limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F_Q^L(X,Y,Z)^{OP}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Design power distribution for $F_Q$. $F_Q^D(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in

Appendix Table A-4 for power escalation testing during initial startup operation.

$M_Q(X,Y,Z)$ = Margin remaining in core location X,Y,Z to the LOCA limit in the transient power distribution. $M_Q(X,Y,Z)$ is provided in Appendix Table A-1 for normal operating conditions and in Appendix Table A-4 for power escalation testing during initial startup operation.

UMT = Total Peak Measurement Uncertainty. (UMT = 1.05)

MT = Engineering Hot Channel Factor. (MT = 1.03)

TILT = Peaking penalty to account for allowable quadrant power tilt ratio of 1.02. (TILT = 1.035)

**2.6.6** $$[F_Q^L(X,Y,Z)]^{RPS} = \frac{F_Q^D(X,Y,Z) * M_C(X,Y,Z)}{UMT * MT * TILT}$$

where:

$[F_Q^L(X,Y,Z)]^{RPS}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_Q(X,Y,Z)$ Centerline Fuel Melt (CFM) limit is not exceeded for operation within AFD, RIL, and QPTR limits. $[F_Q^L(X,Y,Z)]^{RPS}$ includes allowances for calculation and measurement uncertainties.

$F_Q^D(X,Y,Z)$ = Defined in Section 2.6.5.

$M_C(X,Y,Z)$ = Margin remaining to the CFM limit in core location X,Y,Z from the transient power distribution. $M_C(X,Y,Z)$ is provided in Appendix Table A-2 for normal operating conditions and in Appendix Table A-5 for power escalation testing during initial startup operations.

UMT = Defined in Section 2.6.5.

MT = Defined in Section 2.6.5.

TILT = Defined in Section 2.6.5.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**2.6.7** KSLOPE = 0.0725

where:

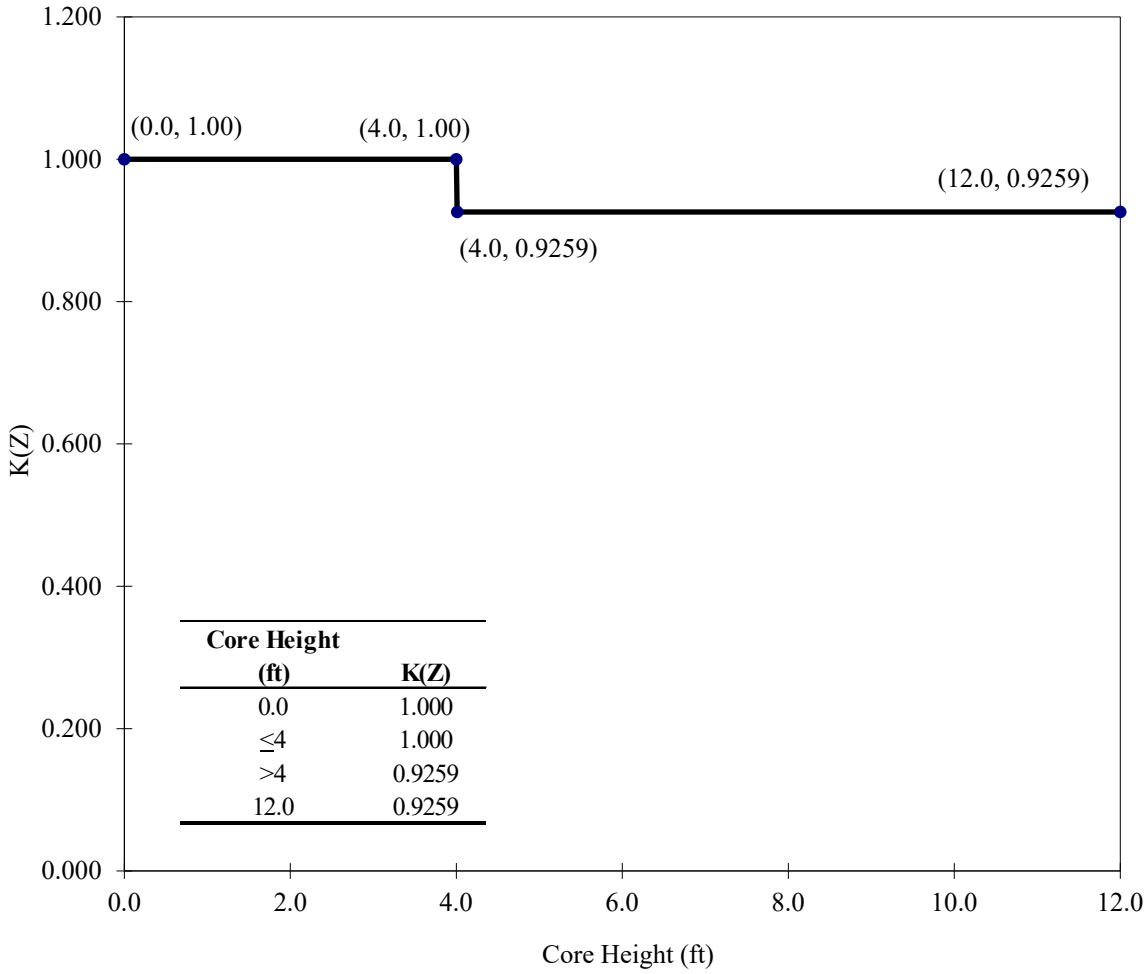
KSLOPE = Adjustment to $K_1$ value from OTΔT trip setpoint required to compensate for each 1% $F_Q^M$ (X,Y,Z) exceeds $F_Q^L$(X,Y,Z)$^{RPS}$.

**2.6.8** $F_Q$(X,Y,Z) Penalty Factors for Technical Specification Surveillances 3.2.1.2 and 3.2.1.3 are provided in Table 2.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Figure 4**

**K(Z), Normalized $F_Q(X,Y,Z)$ as a Function of Core Height for RFA Fuel**




| Core Height (ft) | K(Z) |
|---|---|
| 0.0 | 1.000 |
| ≤4 | 1.000 |
| >4 | 0.9259 |
| 12.0 | 0.9259 |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 2**

**$F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ Penalty Factors**
**For Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2**

| Burnup (EFPD) | $F_Q(X,Y,Z)$ Penalty Factor(%) | $F_{\Delta H}(X,Y)$ Penalty Factor (%) |
|---|---|---|
| 4 | 2.00 | 2.00 |
| 12 | 2.00 | 2.00 |
| 25 | 2.56 | 2.00 |
| 50 | 2.00 | 2.00 |
| 75 | 2.00 | 2.00 |
| 100 | 2.00 | 2.00 |
| 125 | 2.00 | 2.00 |
| 150 | 2.00 | 2.00 |
| 175 | 2.00 | 2.00 |
| 200 | 2.00 | 2.00 |
| 225 | 2.00 | 2.00 |
| 250 | 2.00 | 2.00 |
| 275 | 2.00 | 2.00 |
| 300 | 2.00 | 2.00 |
| 325 | 2.00 | 2.00 |
| 350 | 2.00 | 2.00 |
| 375 | 2.00 | 2.00 |
| 400 | 2.00 | 2.00 |
| 425 | 2.00 | 2.00 |
| 450 | 2.00 | 2.00 |
| 465 | 2.00 | 2.00 |
| 482 | 2.00 | 2.00 |
| 486 | 2.00 | 2.00 |
| 503 | 2.00 | 2.00 |
| 513 | 2.00 | 2.00 |
| 532 | 2.00 | 2.00 |

**Note**: Linear interpolation is adequate for intermediate cycle burnups. All cycle burnups outside the range of the table shall use a 2% penalty factor for both $F_Q(X,Y,Z)$ and $F_{\Delta H}(X,Y)$ for compliance with Tech Spec Surveillances 3.2.1.2, 3.2.1.3 and 3.2.2.2.

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.7 Nuclear Enthalpy Rise Hot Channel Factor - $F^{\Delta H}(X,Y)$ (TS 3.2.2)

$F_{\Delta H}$ steady-state limits referred to in Technical Specification 3.2.2 are defined by the following relationship.

**2.7.1** $$[F^{L}_{\Delta H}(X,Y)]^{LCO} = MARP(X,Y) * \left[1.0 + \frac{1}{RRH} * (1.0 - P)\right]$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{LCO}$ is the steady-state, maximum allowed radial peak and includes allowances for calculation/measurement uncertainty.

MARP(X,Y) = Cycle-specific operating limit Maximum Allowable Radial Peaks. MARP(X,Y) radial peaking limits are provided in Table 3.

$$P = \frac{\text{Thermal Power}}{\text{Rated Thermal Power}}$$

RRH = Thermal Power reduction required to compensate for each 1% measured radial peak, $F^{M}_{\Delta H}(X,Y)$, exceeds the limit.
(RRH = 3.34, $0.0 < P \leq 1.0$)

The following parameters are required for core monitoring per surveillance requirements of Technical Specification 3.2.2.

**2.7.2** $$[F^{L}_{\Delta H}(X,Y)]^{SURV} = \frac{F^{D}_{\Delta H}(X,Y) * M_{\Delta H}(X,Y)}{UMR * TILT}$$

where:

$[F^{L}_{\Delta H}(X,Y)]^{SURV}$ = Cycle dependent maximum allowable design peaking factor that ensures $F_{\Delta H}(X,Y)$ limit is not exceeded for operation within AFD, RIL, and QPTR limits. $F^{L}_{\Delta H}(X,Y)^{SURV}$ includes allowances for calculation and measurement uncertainty.

$F^{D}_{\Delta H}(X,Y)$ = Design power distribution for $F_{\Delta H}$. $F^{D}_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

$M_{\Delta H}(X,Y)$ = Margin remaining in core location X,Y relative to the Operational DNB limits in the transient power distribution. $M_{\Delta H}(X,Y)$ is provided in Appendix Table A-3 for normal operation and in Appendix Table A-6 for power escalation testing during initial startup operation.

UMR = Uncertainty value for measured radial peaks (UMR = 1.0). UMR is 1.0 since a factor of 1.04 is implicitly included in the variable $M_{\Delta H}(X,Y)$.

TILT = Defined in Section 2.6.5.

**2.7.3** RRH is defined in Section 2.7.1.

**2.7.4** TRH = 0.04

where:

TRH = Reduction in OTΔT $K_1$ setpoint required to compensate for each 1% that the measured radial peak, $F^{M}_{\Delta H}(X,Y)$ exceeds its limit.

**2.7.5** $F_{\Delta H}(X,Y)$ Penalty Factors for Technical Specification Surveillance 3.2.2.2 are provided in Table 2.

## 2.8 Axial Flux Difference – AFD (TS 3.2.3)

**2.8.1** Axial Flux Difference (AFD) Limits are provided in Figure 5.

# Catawba 1 Cycle 27 Core Operating Limits Report

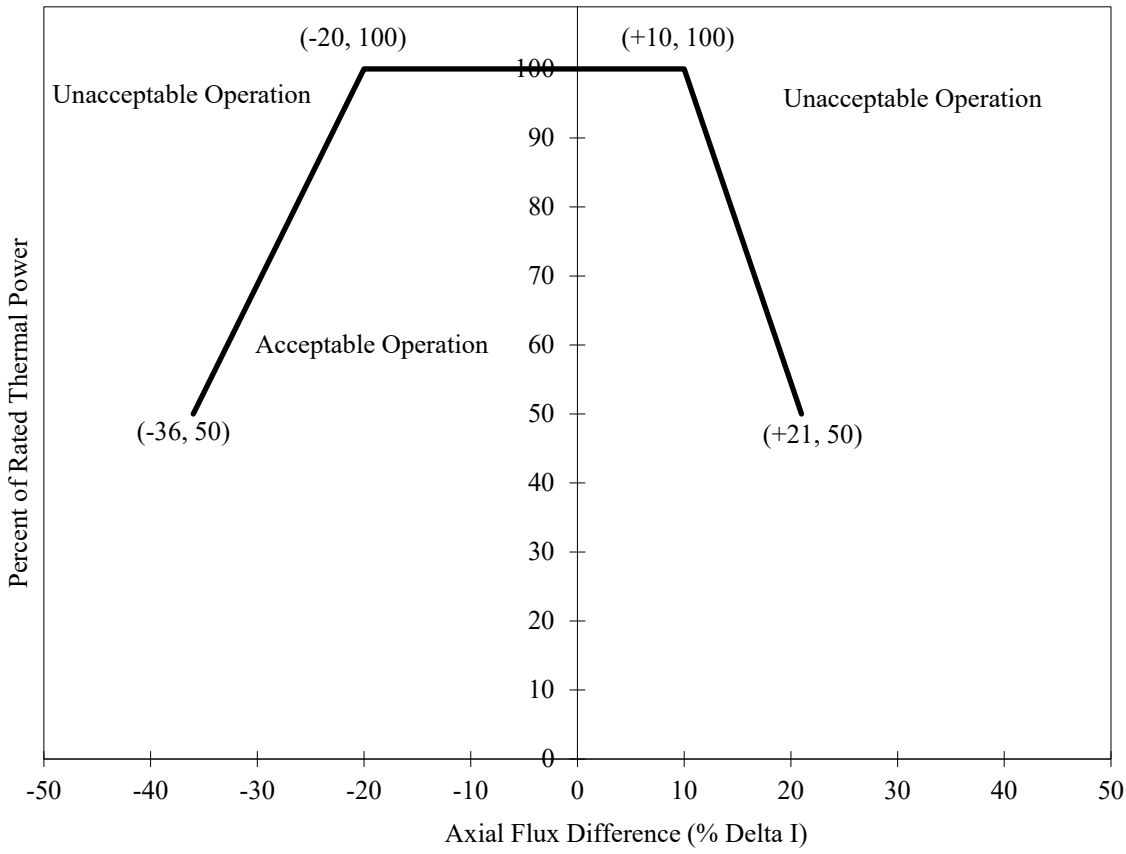
## Table 3
## Maximum Allowable Radial Peaks (MARPs)
## RFA Steady State Limiting Value Between
## Loss of Flow Accident (LOFA) MARPs and $F\Delta H_{LOCA}$

| Core Height (ft) | Axial Peak | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **1.05** | **1.1** | **1.2** | **1.3** | **1.4** | **1.5** | **1.6** | **1.7** | **1.8** | **1.9** | **2.1** | **3** | **3.25** |
| **0.12** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3151 | 1.2461 |
| **1.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3007 | 1.2235 |
| **2.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4633 | 1.4616 |
| **3.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.4675 | 1.3874 |
| **4.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.2987 | 1.2579 |
| **6.00** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.3293 | 1.2602 |
| **7.20** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5982 | 1.2871 | 1.2195 |
| **8.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6010 | 1.5127 | 1.2182 | 1.1578 |
| **9.60** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5808 | 1.5301 | 1.4444 | 1.1431 | 1.0914 |
| **10.80** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.5743 | 1.5573 | 1.5088 | 1.4624 | 1.3832 | 1.1009 | 1.0470 |
| **11.40** | 1.6058 | 1.6058 | 1.6058 | 1.6058 | 1.6057 | 1.5826 | 1.5289 | 1.5098 | 1.4637 | 1.4218 | 1.3458 | 1.0670 | 1.0142 |

## Catawba 1 Cycle 27 Core Operating Limits Report

### Figure 5

### Percent of Rated Thermal Power Versus Percent Axial Flux Difference Limits




**NOTE:** Compliance with Technical Specification 3.2.1 may require more restrictive AFD limits. Refer to the Unit 1 ROD manual for operational AFD limits.

# Catawba 1 Cycle 27 Core Operating Limits Report

## 2.9 Reactor Trip System Instrumentation Setpoints (TS 3.3.1) Table 3.3.1-1

### 2.9.1 Overtemperature ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | $T' \leq 585.1°F$ |
| Nominal RCS Operating Pressure | $P' = 2235$ psig |
| Overtemperature ΔT reactor trip setpoint | $K_1 = 1.1978$ |
| Overtemperature ΔT reactor trip heatup setpoint penalty coefficient | $K_2 = 0.03340/°F$ |
| Overtemperature ΔT reactor trip depressurization setpoint penalty coefficient | $K_3 = 0.001601/psi$ |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1 = 8$ sec.<br>$\tau_2 = 3$ sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3 = 0$ sec. |
| Time constants utilized in the lead-lag compensator for $T_{avg}$ | $\tau_4 = 22$ sec.<br>$\tau_5 = 4$ sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6 = 0$ sec. |
| $f_1(\Delta I)$ "positive" breakpoint | = 19.0 %ΔI |
| $f_1(\Delta I)$ "negative" breakpoint | = N/A* |
| $f_1(\Delta I)$ "positive" slope | = 1.769 $\%\Delta T_0$/ %ΔI |
| $f_1(\Delta I)$ "negative" slope | = N/A* |

* $f_1(\Delta I)$ negative breakpoints and slopes for OTΔT are less restrictive than OPΔT $f_2(\Delta I)$ negative breakpoint and slope. Therefore, during a transient which challenges negative imbalance limits, OPΔT $f_2(\Delta I)$ limits will result in a reactor trip before OTΔT $f_1(\Delta I)$ limits are reached. This makes implementation of an OTΔT $f_1(\Delta I)$ negative breakpoint and slope unnecessary.

**Catawba 1 Cycle 27 Core Operating Limits Report**

**2.9.2** Overpower ΔT Setpoint Parameter Values

| Parameter | Nominal Value |
|---|---|
| Nominal Tavg at RTP | T" ≤ 585.1°F |
| Overpower ΔT reactor trip setpoint | $K_4$ = 1.0864 |
| Overpower ΔT reactor trip penalty | $K_5$ = 0.02 / °F for increasing Tavg<br>$K_5$ = 0.00 / °F for decreasing Tavg |
| Overpower ΔT reactor trip heatup setpoint penalty coefficient | $K_6$ = 0.001179/°F for T > T"<br>$K_6$ = 0.0 /°F for T ≤ T" |
| Time constants utilized in the lead-lag compensator for ΔT | $\tau_1$ = 8 sec.<br>$\tau_2$ = 3 sec. |
| Time constant utilized in the lag compensator for ΔT | $\tau_3$ = 0 sec. |
| Time constant utilized in the measured $T_{avg}$ lag compensator | $\tau_6$ = 0 sec. |
| Time constant utilized in the rate-lag controller for $T_{avg}$ | $\tau_7$ = 10 sec. |
| $f_2(\Delta I)$ "positive" breakpoint | = 35.0 %ΔI |
| $f_2(\Delta I)$ "negative" breakpoint | = -35.0 %ΔI |
| $f_2(\Delta I)$ "positive" slope | = 7.0 %$\Delta T_0$/ %ΔI |
| $f_2(\Delta I)$ "negative" slope | = 7.0 %$\Delta T_0$/ %ΔI |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.10 Boron Dilution Mitigation System (TS 3.3.9)

**2.10.1** Reactor Makeup Water Pump flow rate limits:

| Applicable Mode | Limit |
|---|---|
| MODE 3 | ≤ 80 gpm |
| MODE 4 or 5 | ≤ 70 gpm |

## 2.11 RCS Pressure, Temperature, and Flow Limits for DNB (TS 3.4.1)

RCS pressure, temperature and flow limits for DNB are shown in Table 4.

## 2.12 Accumulators (TS 3.5.1)

**2.12.1** Boron concentration limits during MODES 1 and 2, and MODE 3 with RCS pressure >1000 psi:

| Parameter | Applicable Burnup | Limit |
|---|---|---|
| Accumulator **minimum** boron concentration. | 0 - 200 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 200.1 - 300 EFPD | 2,500 ppm |
| Accumulator **minimum** boron concentration. | 300.1 - 400 EFPD | 2,297 ppm |
| Accumulator **minimum** boron concentration. | 400.1 - 513 EFPD | 2,145 ppm |
| Accumulator **minimum** boron concentration | 513.1 - 532 EFPD | 1,972 ppm |
| Accumulator **maximum** boron concentration. | 0 - 532 EFPD | 3,075 ppm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

**Table 4**

Reactor Coolant System DNB Parameters

| PARAMETER | INDICATION | No. Operable CHANNELS | LIMITS |
|---|---|---|---|
| 1. Indicated RCS Average Temperature | meter | 4 | ≤ 587.5 ˚F |
| | meter | 3 | ≤ 587.3 ˚F |
| | computer | 4 | ≤ 588.0 ˚F |
| | computer | 3 | ≤ 587.9 ˚F |
| 2. Indicated Pressurizer Pressure | meter | 4 | ≥ 2206.9 psig |
| | meter | 3 | ≥ 2208.7 psig |
| | computer | 4 | ≥ 2204.0 psig |
| | computer | 3 | ≥ 2205.4 psig |
| 3. RCS Total Flow Rate | | | ≥ 384,000 gpm |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.13 Refueling Water Storage Tank - RWST (TS 3.5.4)

**2.13.1** Boron concentration limits during MODES 1, 2, 3, and 4:

| Parameter | Limit |
|---|---|
| RWST minimum boron concentration. | 2,700 ppm |
| RWST maximum boron concentration. | 3,075 ppm |

## 2.14 Spent Fuel Pool Boron Concentration (TS 3.7.15)

**2.14.1** Minimum boron concentration limit for the spent fuel pool. Applicable when fuel assemblies are stored in the spent fuel pool.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration. | 2,700 ppm |

## 2.15 Refueling Operations - Boron Concentration (TS 3.9.1)

**2.15.1** Minimum boron concentration limit for filled portions of the Reactor Coolant System, refueling canal, and refueling cavity for MODE 6 conditions. The minimum boron concentration limit and plant refueling procedures ensure that core $K_{eff}$ remains within MODE 6 reactivity requirement of $K_{eff} \leq 0.95$.

| Parameter | Limit |
|---|---|
| Minimum boron concentration of the Reactor Coolant System, the refueling canal, and the refueling cavity. | 2,700 ppm |

## 2.16 Standby Shutdown System - (SLC-16.7-9)

**2.16.1** Minimum boron concentration limit for the spent fuel pool required for Standby Makeup Pump Water Supply. Applicable for MODES 1, 2, and 3.

| Parameter | Limit |
|---|---|
| Spent fuel pool minimum boron concentration for TR 16.7-9-3. | 2,700 ppm |

## 2.17 Boration Systems Borated Water Source – Shutdown (SLC 16.9-11)

**2.17.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODE 4 with any RCS cold leg temperature ≤ 210 °F, and MODES 5 and 6.

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 68°F | 2,000 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 13,086 gallons (14.9%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 68 °F | 7,000 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-11) | 48,500 gallons (8.7%) |

**Catawba 1 Cycle 27 Core Operating Limits Report**

## 2.18 Boration Systems Borated Water Source - Operating (SLC 16.9-12)

**2.18.1** Volume and boron concentrations for the Boric Acid Tank (BAT) and the Refueling Water Storage Tank (RWST) during MODES 1, 2, and 3 and MODE 4 with all RCS cold leg temperatures > 210 °F*.

*** NOTE: The SLC 16.9-12 applicability is down to MODE 4 temperatures of > 210°F. The minimum volumes calculated support cooldown to 200°F to satisfy UFSAR Chapter 9 requirements.**

| Parameter | Limit |
|---|---|
| BAT minimum boron concentration | 7,000 ppm |
| Volume of 7,000 ppm boric acid solution required to maintain SDM at 210 °F | 13,500 gallons |

**NOTE: When cycle burnup is > 445 EFPD, Figure 6 may be used to determine the required BAT minimum level**.

| | |
|---|---|
| BAT Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 25,200 gallons (45.8%) |
| RWST minimum boron concentration | 2,700 ppm |
| Volume of 2,700 ppm boric acid solution required to maintain SDM at 210 °F | 57,107 gallons |
| RWST Minimum Shutdown Volume (Includes the additional volumes listed in SLC 16.9-12) | 98,607 gallons (22.0%) |

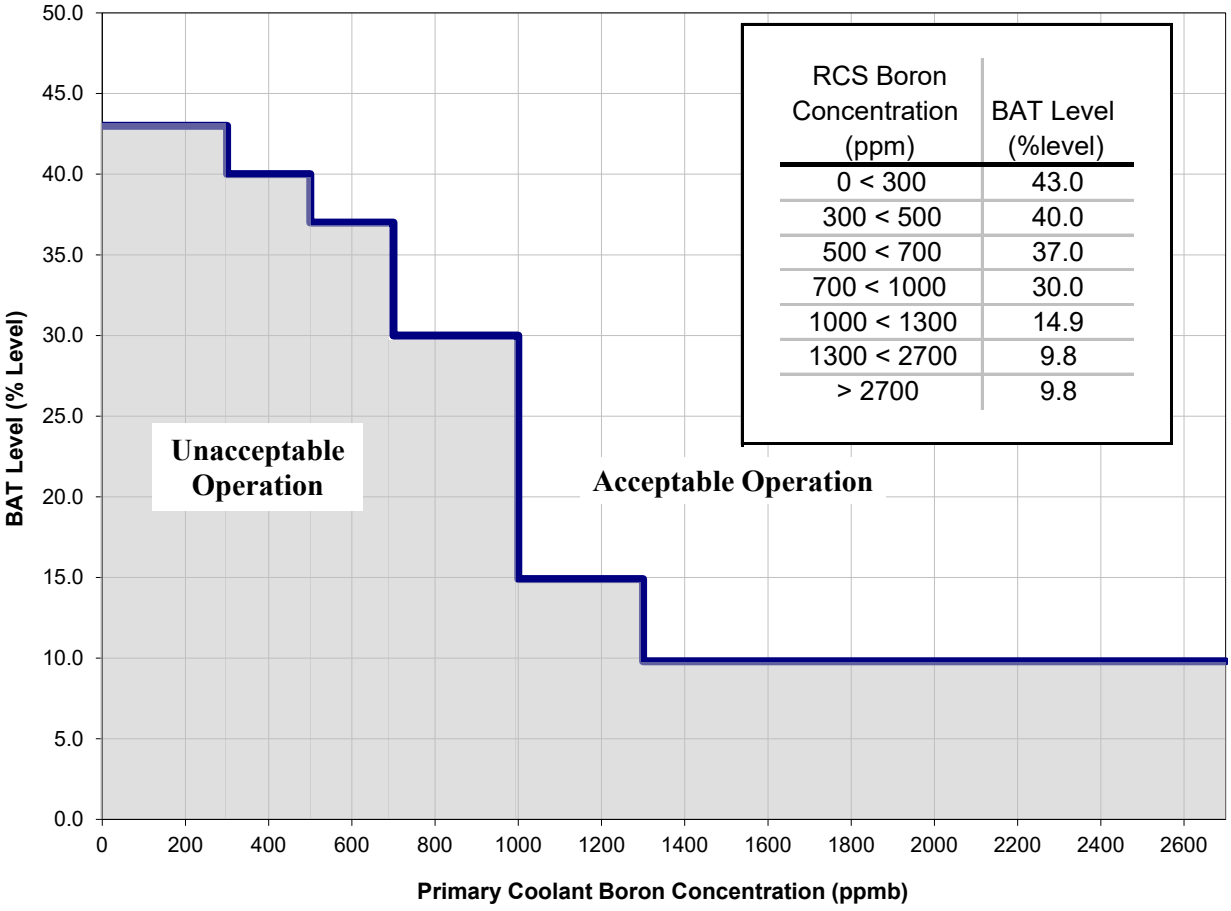
# Catawba 1 Cycle 27 Core Operating Limits Report

## Figure 6

## Boric Acid Storage Tank Indicated Level Versus Primary Coolant Boron Concentration

## (Valid When Cycle Burnup is > 445 EFPD)

## This figure includes additional volumes listed in SLC 16.9-11 and 16.9-12




| RCS Boron Concentration (ppm) | BAT Level (%level) |
|---|---|
| 0 < 300 | 43.0 |
| 300 < 500 | 40.0 |
| 500 < 700 | 37.0 |
| 700 < 1000 | 30.0 |
| 1000 < 1300 | 14.9 |
| 1300 < 2700 | 9.8 |
| > 2700 | 9.8 |

# Catawba 1 Cycle 27 Core Operating Limits Report

## Appendix A

### Power Distribution Monitoring Factors

Appendix A contains power distribution monitoring factors used in Technical Specification Surveillance. This data was generated in the Catawba 1 Cycle 27 Maneuvering Analysis calculation file, CNC-1553.05-00-0705, Rev 1. Due to the size of the monitoring factor data, Appendix A is controlled electronically within the Duke document management system and is not included in the Duke internal copies of the COLR. The Plant Reactor Engineering section will control this information via computer file(s) and should be contacted if there is a need to access this information.

Appendix A is available to be transmitted to the NRC.

| Filename | Cksum / File Size |
|---|---|
| c1c27colrei_r3_AppendixA.pdf | 2371384185 / 1514470 |

**Attachment**

Catawba Unit 1, Cycle 27, Core Operating Limits Report, Appendix A,
Power Distribution Monitoring Factors, Revision 3

# Appendix A

## Power Distribution Monitoring Factors


| Table | Description | Page |
|---|---|---|
| TABLE A-1 | F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN), NORMAL OPERATION | 2 |
| TABLE A-2 | M-SUB-C VALUES (F-SUB-Q RPS MARGIN), NORMAL OPERATION | 254 |
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```
* JOB/DATE  STHG/27Oct2021  CREATED BY  SMARG12   COMPILED 13Mar2020    COLR FILE
/nfe/mcd/clk/c1c27/rd/ma/pflr/pflr_bu7_ghost.clr
                         TABLE A-1

    F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION


                AT 100% POWER,    4 EFPD,  THIS IS LEVEL 24 OF 24
                  (LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

       H        G        F        E        D        C        B        A
   ********************************************************************************
  8 * 0.5374 * 0.5384 * 0.5298 * 0.5624 * 0.6384 * 0.5499 * 0.5400 * 0.3005 *
    * 3.0319 * 3.4903 * 3.6618 * 3.3594 * 2.9429 * 3.3997 * 3.4310 * 5.5938 *
    ********************************************************************************
  9 * 0.5384 * 0.6233 * 0.5610 * 0.6329 * 0.5753 * 0.5357 * 0.5363 * 0.2998 *
    * 3.4903 * 3.1304 * 3.4424 * 3.0042 * 3.2795 * 3.5034 * 3.4703 * 5.6092 *
    ********************************************************************************
 10 * 0.5298 * 0.5611 * 0.5206 * 0.5457 * 0.6181 * 0.5308 * 0.5143 * 0.2673 *
    * 3.6618 * 3.4414 * 3.7408 * 3.5352 * 3.1391 * 3.6425 * 3.7072 * 6.4564 *
    ********************************************************************************
 11 * 0.5624 * 0.6331 * 0.5461 * 0.5911 * 0.5259 * 0.5605 * 0.4828 * 0.2390 *
    * 3.3594 * 3.0032 * 3.5323 * 3.2815 * 3.6825 * 3.4185 * 4.0219 * 7.3610 *
    ********************************************************************************
 12 * 0.6384 * 0.5755 * 0.6187 * 0.5263 * 0.4668 * 0.4752 * 0.3470 *
    * 2.9429 * 3.2784 * 3.1358 * 3.6790 * 3.7983 * 3.7702 * 4.9818 *
    ************************************************************
 13 * 0.5499 * 0.5360 * 0.5319 * 0.5622 * 0.4763 * 0.3446 * 0.1890 *
    * 3.3997 * 3.5014 * 3.6348 * 3.4095 * 3.7631 * 4.6660 * 8.8115 *
    ************************************************************
 14 * 0.5400 * 0.5358 * 0.5166 * 0.4859 * 0.3489 * 0.1894 *
    * 3.4310 * 3.4735 * 3.6891 * 3.9972 * 4.9562 * 8.7923 *
    ******************************************************
 15 * 0.3005 * 0.2815 * 0.2824 * 0.2447 * F-SUB-Q
    * 5.5938 * 6.0125 * 6.0207 * 7.1888 * M-SUB-Q
    ************************************


                AT 100% POWER,    4 EFPD,  THIS IS LEVEL 23 OF 24
                  (LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

       H        G        F        E        D        C        B        A
   ********************************************************************************
  8 * 1.3783 * 1.1636 * 1.1158 * 1.1701 * 1.4597 * 1.2334 * 1.3284 * 0.6794 *
    * 1.3599 * 1.6728 * 1.7732 * 1.6485 * 1.3151 * 1.5475 * 1.4243 * 2.5296 *
    ********************************************************************************
  9 * 1.1636 * 1.4370 * 1.2719 * 1.4513 * 1.2228 * 1.2119 * 1.3204 * 0.6766 *
    * 1.6728 * 1.3790 * 1.5475 * 1.3340 * 1.5745 * 1.5821 * 1.4392 * 2.5446 *
    ********************************************************************************
 10 * 1.1158 * 1.2720 * 1.0994 * 1.1339 * 1.4130 * 1.1959 * 1.2743 * 0.5664 *
    * 1.7732 * 1.5473 * 1.8049 * 1.7365 * 1.3981 * 1.6506 * 1.5258 * 3.1129 *
    ********************************************************************************
 11 * 1.1701 * 1.4516 * 1.1346 * 1.4058 * 1.0947 * 1.3086 * 1.1862 * 0.5320 *
    * 1.6485 * 1.3337 * 1.7353 * 1.4022 * 1.7910 * 1.4890 * 1.6491 * 3.3746 *
    ********************************************************************************
 12 * 1.4597 * 1.2231 * 1.4142 * 1.0957 * 1.1025 * 1.2139 * 0.7940 *
    * 1.3151 * 1.5740 * 1.3968 * 1.7895 * 1.6789 * 1.5425 * 2.2181 *
    ************************************************************
 13 * 1.2334 * 1.2125 * 1.1981 * 1.3123 * 1.2163 * 0.8391 * 0.4202 *
    * 1.5475 * 1.5813 * 1.6473 * 1.4853 * 1.5399 * 2.0197 * 4.0544 *
    ************************************************************
 14 * 1.3284 * 1.3188 * 1.2806 * 1.1947 * 0.7981 * 0.4212 *
    * 1.4243 * 1.4410 * 1.5181 * 1.6379 * 2.2072 * 4.0460 *
    ******************************************************
 15 * 0.6794 * 0.6062 * 0.6370 * 0.5434 * F-SUB-Q
    * 2.5296 * 2.8545 * 2.7267 * 3.3043 * M-SUB-Q
    ************************************
```

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4188 | 1.3588 | 1.3358 | 1.3519 | 1.4812 | 1.4454 | 1.4435 | 0.7859 |
| | 1.4127 | 1.4831 | 1.5060 | 1.4472 | 1.3093 | 1.3380 | 1.3298 | 2.2163 |
| 9 | 1.3588 | 1.4814 | 1.4898 | 1.4651 | 1.4019 | 1.4337 | 1.4360 | 0.7781 |
| | 1.4831 | 1.3733 | 1.3422 | 1.3403 | 1.3932 | 1.3539 | 1.3417 | 2.2393 |
| 10 | 1.3358 | 1.4898 | 1.3194 | 1.2980 | 1.3977 | 1.3866 | 1.4029 | 0.6604 |
| | 1.5060 | 1.3421 | 1.5251 | 1.5410 | 1.4254 | 1.4373 | 1.4013 | 2.7064 |
| 11 | 1.3519 | 1.4654 | 1.2988 | 1.4320 | 1.2522 | 1.3090 | 1.3057 | 0.6192 |
| | 1.4472 | 1.3400 | 1.5402 | 1.3997 | 1.5861 | 1.5199 | 1.5200 | 2.9397 |
| 12 | 1.4812 | 1.4024 | 1.3986 | 1.2532 | 1.3329 | 1.3723 | 0.9082 | |
| | 1.3093 | 1.3927 | 1.4243 | 1.5854 | 1.4431 | 1.4016 | 1.9725 | |
| 13 | 1.4454 | 1.4345 | 1.3895 | 1.3121 | 1.3745 | 1.0096 | 0.5055 | |
| | 1.3380 | 1.3533 | 1.4332 | 1.5164 | 1.3996 | 1.7412 | 3.4411 | |
| 14 | 1.4435 | 1.4351 | 1.4109 | 1.3161 | 0.9132 | 0.5067 | | |
| | 1.3298 | 1.3425 | 1.3960 | 1.5084 | 1.9621 | 3.4338 | | |
| 15 | 0.7859 | 0.7054 | 0.7385 | 0.6347 | F-SUB-Q | | | |
| | 2.2163 | 2.4868 | 2.3845 | 2.8678 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5476 | 1.4688 | 1.4519 | 1.4481 | 1.6091 | 1.5679 | 1.5931 | 0.8215 |
| | 1.3279 | 1.4103 | 1.4077 | 1.3714 | 1.2217 | 1.2504 | 1.2210 | 2.1503 |
| 9 | 1.4688 | 1.6190 | 1.6271 | 1.5952 | 1.5017 | 1.5580 | 1.5850 | 0.8117 |
| | 1.4103 | 1.2804 | 1.2478 | 1.2490 | 1.3177 | 1.2627 | 1.2319 | 2.1801 |
| 10 | 1.4519 | 1.6272 | 1.4338 | 1.3947 | 1.5100 | 1.4997 | 1.5471 | 0.6870 |
| | 1.4077 | 1.2478 | 1.4239 | 1.4571 | 1.3372 | 1.3379 | 1.2887 | 2.6382 |
| 11 | 1.4481 | 1.5955 | 1.3955 | 1.5592 | 1.3319 | 1.4141 | 1.4265 | 0.6466 |
| | 1.3714 | 1.2487 | 1.4561 | 1.3126 | 1.5064 | 1.4192 | 1.4146 | 2.8536 |
| 12 | 1.6091 | 1.5022 | 1.5111 | 1.3331 | 1.4547 | 1.5168 | 0.9493 | |
| | 1.2217 | 1.3170 | 1.3350 | 1.5057 | 1.3500 | 1.2956 | 1.9226 | |
| 13 | 1.5679 | 1.5589 | 1.5049 | 1.4177 | 1.5193 | 1.0840 | 0.5309 | |
| | 1.2504 | 1.2620 | 1.3330 | 1.4168 | 1.2936 | 1.6598 | 3.3459 | |
| 14 | 1.5931 | 1.5842 | 1.5553 | 1.4390 | 0.9548 | 0.5321 | | |
| | 1.2210 | 1.2325 | 1.2821 | 1.4029 | 1.9119 | 3.3385 | | |
| 15 | 0.8215 | 0.7299 | 0.7709 | 0.6635 | F-SUB-Q | | | |
| | 2.1503 | 2.4370 | 2.3159 | 2.7802 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6078 | 1.5113 | 1.4940 | 1.4889 | 1.6752 | 1.6163 | 1.6646 | 0.8413 |
| | 1.3070 | 1.3996 | 1.3910 | 1.3563 | 1.1923 | 1.2321 | 1.1865 | 2.1336 |
| 9 | 1.5113 | 1.6881 | 1.6828 | 1.6597 | 1.5440 | 1.6037 | 1.6557 | 0.8320 |
| | 1.3996 | 1.2528 | 1.2259 | 1.2235 | 1.3022 | 1.2433 | 1.1971 | 2.1587 |
| 10 | 1.4940 | 1.6829 | 1.4738 | 1.4304 | 1.5623 | 1.5509 | 1.6173 | 0.7065 |
| | 1.3910 | 1.2258 | 1.4077 | 1.4429 | 1.3113 | 1.3125 | 1.2501 | 2.6049 |
| 11 | 1.4889 | 1.6600 | 1.4315 | 1.6145 | 1.3640 | 1.4655 | 1.4903 | 0.6632 |
| | 1.3563 | 1.2232 | 1.4419 | 1.2923 | 1.4996 | 1.3925 | 1.3790 | 2.8218 |
| 12 | 1.6752 | 1.5446 | 1.5636 | 1.3653 | 1.5037 | 1.5845 | 0.9799 | |
| | 1.1923 | 1.3014 | 1.3089 | 1.4988 | 1.3341 | 1.2664 | 1.9014 | |
| 13 | 1.6163 | 1.6048 | 1.5567 | 1.4695 | 1.5873 | 1.1201 | 0.5422 | |
| | 1.2321 | 1.2427 | 1.3073 | 1.3900 | 1.2643 | 1.6423 | 3.3501 | |
| 14 | 1.6646 | 1.6552 | 1.6269 | 1.5039 | 0.9858 | 0.5436 | | |
| | 1.1865 | 1.1975 | 1.2430 | 1.3669 | 1.8903 | 3.3424 | | |
| 15 | 0.8413 | 0.7510 | 0.7917 | 0.6810 | F-SUB-Q | | | |
| | 2.1336 | 2.4068 | 2.2897 | 2.7474 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6341 | 1.5286 | 1.5111 | 1.5070 | 1.7066 | 1.6378 | 1.7003 | 0.8538 |
| | 1.3112 | 1.4077 | 1.4006 | 1.3661 | 1.1926 | 1.2340 | 1.1825 | 2.1416 |
| 9 | 1.5286 | 1.7188 | 1.7073 | 1.6885 | 1.5635 | 1.6264 | 1.6909 | 0.8455 |
| | 1.4077 | 1.2464 | 1.2299 | 1.2268 | 1.3104 | 1.2445 | 1.1930 | 2.1630 |
| 10 | 1.5111 | 1.7075 | 1.4885 | 1.4449 | 1.5854 | 1.5767 | 1.6543 | 0.7208 |
| | 1.4006 | 1.2299 | 1.4189 | 1.4532 | 1.3134 | 1.3115 | 1.2415 | 2.5974 |
| 11 | 1.5070 | 1.6889 | 1.4459 | 1.6378 | 1.3786 | 1.4902 | 1.5242 | 0.6746 |
| | 1.3661 | 1.2265 | 1.4521 | 1.2943 | 1.5111 | 1.3946 | 1.3667 | 2.8062 |
| 12 | 1.7066 | 1.5642 | 1.5869 | 1.3800 | 1.5270 | 1.6179 | 0.9999 | |
| | 1.1926 | 1.3096 | 1.3109 | 1.5103 | 1.3412 | 1.2665 | 1.8984 | |
| 13 | 1.6378 | 1.6274 | 1.5831 | 1.4946 | 1.6209 | 1.1405 | 0.5487 | |
| | 1.2340 | 1.2437 | 1.3060 | 1.3918 | 1.2643 | 1.6506 | 3.3856 | |
| 14 | 1.7003 | 1.6907 | 1.6649 | 1.5386 | 1.0060 | 0.5501 | | |
| | 1.1825 | 1.1932 | 1.2340 | 1.3543 | 1.8868 | 3.3774 | | |
| 15 | 0.8538 | 0.7664 | 0.8062 | 0.6929 | F-SUB-Q | | | |
| | 2.1416 | 2.4022 | 2.2870 | 2.7333 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6654 | 1.5478 | 1.5304 | 1.5273 | 1.7413 | 1.6656 | 1.7420 | 0.8591 |
| | 1.3011 | 1.4034 | 1.4106 | 1.3776 | 1.1941 | 1.2360 | 1.1784 | 2.1741 |
| 9 | 1.5478 | 1.7513 | 1.7353 | 1.7203 | 1.5862 | 1.6578 | 1.7324 | 0.8504 |
| | 1.4034 | 1.2379 | 1.2343 | 1.2287 | 1.3191 | 1.2460 | 1.1884 | 2.1967 |
| 10 | 1.5304 | 1.7356 | 1.5061 | 1.4617 | 1.6155 | 1.6074 | 1.6961 | 0.7228 |
| | 1.4106 | 1.2341 | 1.4296 | 1.4646 | 1.3110 | 1.3087 | 1.2320 | 2.6394 |
| 11 | 1.5273 | 1.7207 | 1.4629 | 1.6682 | 1.3967 | 1.5217 | 1.5621 | 0.6773 |
| | 1.3776 | 1.2283 | 1.4633 | 1.2858 | 1.5200 | 1.3913 | 1.3475 | 2.8282 |
| 12 | 1.7413 | 1.5870 | 1.6181 | 1.3976 | 1.5547 | 1.6557 | 1.0070 | |
| | 1.1941 | 1.3182 | 1.3084 | 1.5191 | 1.3432 | 1.2618 | 1.9210 | |
| 13 | 1.6656 | 1.6590 | 1.6143 | 1.5264 | 1.6589 | 1.1496 | 0.5482 | |
| | 1.2360 | 1.2450 | 1.3029 | 1.3885 | 1.2595 | 1.6702 | 3.4565 | |
| 14 | 1.7420 | 1.7324 | 1.7078 | 1.5773 | 1.0134 | 0.5496 | | |
| | 1.1784 | 1.1884 | 1.2241 | 1.3348 | 1.9088 | 3.4479 | | |
| 15 | 0.8591 | 0.7693 | 0.8109 | 0.6960 | F-SUB-Q | | | |
| | 2.1741 | 2.4441 | 2.3169 | 2.7543 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6788 | 1.5551 | 1.5381 | 1.5362 | 1.7589 | 1.6836 | 1.7656 | 0.8618 |
| | 1.3164 | 1.4260 | 1.4337 | 1.4040 | 1.2116 | 1.2526 | 1.1910 | 2.2201 |
| 9 | 1.5551 | 1.7661 | 1.7487 | 1.7351 | 1.5968 | 1.6755 | 1.7557 | 0.8535 |
| | 1.4260 | 1.2534 | 1.2518 | 1.2473 | 1.3420 | 1.2618 | 1.2004 | 2.2419 |
| 10 | 1.5381 | 1.7491 | 1.5125 | 1.4682 | 1.6304 | 1.6248 | 1.7204 | 0.7250 |
| | 1.4337 | 1.2517 | 1.4521 | 1.4886 | 1.3245 | 1.3191 | 1.2382 | 2.6875 |
| 11 | 1.5362 | 1.7356 | 1.4695 | 1.6816 | 1.4045 | 1.5373 | 1.5835 | 0.6793 |
| | 1.4039 | 1.2469 | 1.4872 | 1.2991 | 1.5348 | 1.3974 | 1.3520 | 2.8608 |
| 12 | 1.7589 | 1.5976 | 1.6338 | 1.4054 | 1.5697 | 1.6765 | 1.0122 | |
| | 1.2116 | 1.3411 | 1.3217 | 1.5339 | 1.3540 | 1.2678 | 1.9377 | |
| 13 | 1.6836 | 1.6770 | 1.6321 | 1.5423 | 1.6799 | 1.1555 | 0.5474 | |
| | 1.2526 | 1.2607 | 1.3131 | 1.3944 | 1.2653 | 1.6941 | 3.5182 | |
| 14 | 1.7656 | 1.7559 | 1.7330 | 1.5994 | 1.0187 | 0.5489 | | |
| | 1.1910 | 1.2003 | 1.2300 | 1.3389 | 1.9253 | 3.5091 | | |
| 15 | 0.8618 | 0.7720 | 0.8145 | 0.6982 | F-SUB-Q | | | |
| | 2.2201 | 2.4943 | 2.3560 | 2.7844 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6936 | 1.5623 | 1.5460 | 1.5449 | 1.7776 | 1.7014 | 1.7899 | 0.8621 |
| | 1.3445 | 1.4530 | 1.4613 | 1.4358 | 1.2328 | 1.2742 | 1.2076 | 2.2806 |
| 9 | 1.5623 | 1.7819 | 1.7628 | 1.7513 | 1.6075 | 1.6931 | 1.7798 | 0.8541 |
| | 1.4530 | 1.2678 | 1.2732 | 1.2693 | 1.3699 | 1.2825 | 1.2163 | 2.3009 |
| 10 | 1.5460 | 1.7632 | 1.5193 | 1.4746 | 1.6479 | 1.6418 | 1.7449 | 0.7237 |
| | 1.4613 | 1.2729 | 1.4803 | 1.5175 | 1.3401 | 1.3338 | 1.2483 | 2.7577 |
| 11 | 1.5449 | 1.7518 | 1.4761 | 1.6972 | 1.4124 | 1.5543 | 1.6047 | 0.6783 |
| | 1.4358 | 1.2689 | 1.5161 | 1.3169 | 1.5672 | 1.4169 | 1.3628 | 2.9166 |
| 12 | 1.7776 | 1.6083 | 1.6515 | 1.4133 | 1.5848 | 1.6978 | 1.0116 | |
| | 1.2328 | 1.3689 | 1.3372 | 1.5662 | 1.3788 | 1.2845 | 1.9863 | |
| 13 | 1.7014 | 1.6948 | 1.6496 | 1.5595 | 1.7014 | 1.1576 | 0.5449 | |
| | 1.2742 | 1.2812 | 1.3276 | 1.4137 | 1.2818 | 1.7351 | 3.6179 | |
| 14 | 1.7899 | 1.7803 | 1.7582 | 1.6212 | 1.0183 | 0.5464 | | |
| | 1.2076 | 1.2161 | 1.2397 | 1.3484 | 1.9733 | 3.6085 | | |
| 15 | 0.8621 | 0.7693 | 0.8148 | 0.6974 | F-SUB-Q | | | |
| | 2.2806 | 2.5712 | 2.4119 | 2.8385 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6693 | 1.5449 | 1.5295 | 1.5293 | 1.7597 | 1.6897 | 1.7738 | 0.8632 |
| | 1.3988 | 1.5091 | 1.5203 | 1.4972 | 1.2854 | 1.3236 | 1.2569 | 2.3482 |
| 9 | 1.5449 | 1.7611 | 1.7455 | 1.7311 | 1.5921 | 1.6810 | 1.7636 | 0.8564 |
| | 1.5091 | 1.3189 | 1.3235 | 1.3270 | 1.4266 | 1.3313 | 1.2652 | 2.3639 |
| 10 | 1.5295 | 1.7460 | 1.5025 | 1.4598 | 1.6271 | 1.6301 | 1.7312 | 0.7316 |
| | 1.5203 | 1.3232 | 1.5416 | 1.5781 | 1.3945 | 1.3793 | 1.2913 | 2.8037 |
| 11 | 1.5293 | 1.7317 | 1.4613 | 1.6742 | 1.3982 | 1.5351 | 1.5907 | 0.6832 |
| | 1.4972 | 1.3266 | 1.5765 | 1.3676 | 1.6301 | 1.4756 | 1.4053 | 2.9659 |
| 12 | 1.7597 | 1.5929 | 1.6309 | 1.3992 | 1.5718 | 1.6823 | 1.0193 | |
| | 1.2854 | 1.4255 | 1.3914 | 1.6290 | 1.4369 | 1.3388 | 2.0253 | |
| 13 | 1.6897 | 1.6829 | 1.6382 | 1.5405 | 1.6860 | 1.1617 | 0.5470 | |
| | 1.3236 | 1.3299 | 1.3725 | 1.4706 | 1.3360 | 1.7863 | 3.7169 | |
| 14 | 1.7738 | 1.7642 | 1.7450 | 1.6075 | 1.0262 | 0.5485 | | |
| | 1.2569 | 1.2649 | 1.2821 | 1.3904 | 2.0116 | 3.7070 | | |
| 15 | 0.8632 | 0.7794 | 0.8204 | 0.7028 | F-SUB-Q | | | |
| | 2.3482 | 2.6158 | 2.4619 | 2.8853 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6928 | 1.5554 | 1.5406 | 1.5413 | 1.7851 | 1.7125 | 1.8074 | 0.8577 |
| | 1.4257 | 1.5509 | 1.5622 | 1.5395 | 1.3124 | 1.3521 | 1.2769 | 2.4440 |
| 9 | 1.5554 | 1.7837 | 1.7649 | 1.7540 | 1.6061 | 1.7037 | 1.7971 | 0.8505 |
| | 1.5509 | 1.3476 | 1.3544 | 1.3533 | 1.4635 | 1.3590 | 1.2847 | 2.4597 |
| 10 | 1.5406 | 1.7655 | 1.5127 | 1.4683 | 1.6533 | 1.6521 | 1.7637 | 0.7209 |
| | 1.5622 | 1.3541 | 1.5835 | 1.6214 | 1.4161 | 1.4030 | 1.3067 | 2.9349 |
| 11 | 1.5413 | 1.7547 | 1.4699 | 1.6985 | 1.4091 | 1.5602 | 1.6191 | 0.6747 |
| | 1.5395 | 1.3528 | 1.6197 | 1.3916 | 1.6630 | 1.4921 | 1.4208 | 3.0927 |
| 12 | 1.7851 | 1.6070 | 1.6573 | 1.4101 | 1.5919 | 1.7114 | 1.0096 | |
| | 1.3124 | 1.4624 | 1.4129 | 1.6619 | 1.4579 | 1.3514 | 2.0975 | |
| 13 | 1.7125 | 1.7058 | 1.6605 | 1.5658 | 1.7153 | 1.1560 | 0.5390 | |
| | 1.3521 | 1.3575 | 1.3952 | 1.4885 | 1.3485 | 1.8459 | 3.8628 | |
| 14 | 1.8074 | 1.7979 | 1.7783 | 1.6367 | 1.0166 | 0.5405 | | |
| | 1.2769 | 1.2842 | 1.2963 | 1.4057 | 2.0832 | 3.8523 | | |
| 15 | 0.8577 | 0.7679 | 0.8131 | 0.6941 | F-SUB-Q | | | |
| | 2.4440 | 2.7449 | 2.5625 | 3.0082 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6886 | 1.5486 | 1.5346 | 1.5362 | 1.7851 | 1.7139 | 1.8118 | 0.8536 |
| | 1.4275 | 1.5528 | 1.5648 | 1.5575 | 1.3417 | 1.3996 | 1.3222 | 2.5461 |
| 9 | 1.5486 | 1.7805 | 1.7619 | 1.7515 | 1.6018 | 1.7048 | 1.8013 | 0.8467 |
| | 1.5528 | 1.3503 | 1.3637 | 1.3691 | 1.4953 | 1.4078 | 1.3297 | 2.5599 |
| 10 | 1.5346 | 1.7625 | 1.5060 | 1.4621 | 1.6522 | 1.6531 | 1.7690 | 0.7182 |
| | 1.5648 | 1.3633 | 1.5936 | 1.6400 | 1.4531 | 1.4504 | 1.3481 | 3.0480 |
| 11 | 1.5362 | 1.7522 | 1.4638 | 1.6953 | 1.4044 | 1.5596 | 1.6226 | 0.6713 |
| | 1.5575 | 1.3687 | 1.6382 | 1.4194 | 1.7232 | 1.5402 | 1.4653 | 3.2050 |
| 12 | 1.7851 | 1.6028 | 1.6563 | 1.4054 | 1.5917 | 1.7143 | 1.0066 | |
| | 1.3417 | 1.4944 | 1.4496 | 1.7209 | 1.5053 | 1.3927 | 2.1711 | |
| 13 | 1.7139 | 1.7071 | 1.6623 | 1.5653 | 1.7183 | 1.1526 | 0.5348 | |
| | 1.3996 | 1.4060 | 1.4422 | 1.5365 | 1.3896 | 1.9092 | 4.0096 | |
| 14 | 1.8118 | 1.8023 | 1.7842 | 1.6406 | 1.0137 | 0.5363 | | |
| | 1.3222 | 1.3289 | 1.3363 | 1.4489 | 2.1563 | 3.9987 | | |
| 15 | 0.8536 | 0.7654 | 0.8103 | 0.6909 | F-SUB-Q | | | |
| | 2.5461 | 2.8545 | 2.6605 | 3.1170 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6597 | 1.5260 | 1.5129 | 1.5152 | 1.7615 | 1.6962 | 1.7903 | 0.8497 |
| | 1.4162 | 1.5362 | 1.5470 | 1.5392 | 1.3257 | 1.3788 | 1.3051 | 2.5070 |
| 9 | 1.5260 | 1.7540 | 1.7388 | 1.7259 | 1.5809 | 1.6869 | 1.7799 | 0.8437 |
| | 1.5362 | 1.3366 | 1.3473 | 1.3545 | 1.4765 | 1.3873 | 1.3136 | 2.5208 |
| 10 | 1.5129 | 1.7395 | 1.4842 | 1.4421 | 1.6269 | 1.6359 | 1.7500 | 0.7207 |
| | 1.5470 | 1.3468 | 1.5762 | 1.6206 | 1.4390 | 1.4349 | 1.3404 | 2.9872 |
| 11 | 1.5152 | 1.7266 | 1.4438 | 1.6677 | 1.3855 | 1.5362 | 1.6039 | 0.6718 |
| | 1.5392 | 1.3541 | 1.6187 | 1.4073 | 1.7048 | 1.5328 | 1.4662 | 3.1723 |
| 12 | 1.7615 | 1.5818 | 1.6311 | 1.3865 | 1.5734 | 1.6937 | 1.0071 | |
| | 1.3257 | 1.4757 | 1.4354 | 1.7025 | 1.5181 | 1.4072 | 2.1575 | |
| 13 | 1.6962 | 1.6894 | 1.6457 | 1.5421 | 1.6978 | 1.1497 | 0.5333 | |
| | 1.3788 | 1.3853 | 1.4269 | 1.5271 | 1.4039 | 1.9158 | 4.0413 | |
| 14 | 1.7903 | 1.7811 | 1.7656 | 1.6221 | 1.0143 | 0.5348 | | |
| | 1.3051 | 1.3128 | 1.3300 | 1.4501 | 2.1420 | 4.0294 | | |
| 15 | 0.8497 | 0.7685 | 0.8105 | 0.6917 | F-SUB-Q | | | |
| | 2.5070 | 2.7858 | 2.6176 | 3.0839 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6715 | 1.5265 | 1.5142 | 1.5171 | 1.7752 | 1.7082 | 1.8125 | 0.8393 |
| | 1.3734 | 1.4991 | 1.5085 | 1.5002 | 1.2852 | 1.3386 | 1.2600 | 2.4697 |
| 9 | 1.5265 | 1.7644 | 1.7465 | 1.7367 | 1.5842 | 1.6989 | 1.8020 | 0.8332 |
| | 1.4991 | 1.2974 | 1.3101 | 1.3136 | 1.4386 | 1.3465 | 1.2681 | 2.4845 |
| 10 | 1.5142 | 1.7473 | 1.4846 | 1.4412 | 1.6419 | 1.6479 | 1.7717 | 0.7064 |
| | 1.5085 | 1.3095 | 1.5373 | 1.5814 | 1.3919 | 1.3918 | 1.2935 | 2.9633 |
| 11 | 1.5171 | 1.7375 | 1.4430 | 1.6803 | 1.3874 | 1.5509 | 1.6225 | 0.6597 |
| | 1.5002 | 1.3131 | 1.5795 | 1.3623 | 1.6611 | 1.4810 | 1.4142 | 3.1369 |
| 12 | 1.7752 | 1.5855 | 1.6463 | 1.3884 | 1.5836 | 1.7121 | 0.9917 | |
| | 1.2852 | 1.4377 | 1.3883 | 1.6589 | 1.4716 | 1.3578 | 2.1324 | |
| 13 | 1.7082 | 1.7016 | 1.6583 | 1.5570 | 1.7163 | 1.1374 | 0.5225 | |
| | 1.3386 | 1.3445 | 1.3835 | 1.4754 | 1.3545 | 1.8879 | 3.9994 | |
| 14 | 1.8125 | 1.8034 | 1.7880 | 1.6417 | 0.9989 | 0.5241 | | |
| | 1.2600 | 1.2672 | 1.2829 | 1.3985 | 2.1170 | 3.9876 | | |
| 15 | 0.8393 | 0.7526 | 0.7988 | 0.6794 | F-SUB-Q | | | |
| | 2.4697 | 2.7672 | 2.5832 | 3.0500 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6632 | 1.5147 | 1.5032 | 1.5069 | 1.7695 | 1.7042 | 1.8128 | 0.8300 |
| | 1.3238 | 1.4483 | 1.4568 | 1.4484 | 1.2374 | 1.2885 | 1.2097 | 2.3954 |
| 9 | 1.5148 | 1.7559 | 1.7378 | 1.7293 | 1.5747 | 1.6948 | 1.8023 | 0.8243 |
| | 1.4483 | 1.2502 | 1.2630 | 1.2644 | 1.3885 | 1.2960 | 1.2173 | 2.4085 |
| 10 | 1.5032 | 1.7386 | 1.4731 | 1.4298 | 1.6365 | 1.6445 | 1.7728 | 0.6976 |
| | 1.4568 | 1.2624 | 1.4851 | 1.5275 | 1.3394 | 1.3383 | 1.2403 | 2.8771 |
| 11 | 1.5069 | 1.7300 | 1.4316 | 1.6726 | 1.3781 | 1.5479 | 1.6225 | 0.6518 |
| | 1.4484 | 1.2639 | 1.5255 | 1.3113 | 1.6027 | 1.4233 | 1.3556 | 3.0422 |
| 12 | 1.7695 | 1.5763 | 1.6410 | 1.3792 | 1.5787 | 1.7108 | 0.9812 | |
| | 1.2374 | 1.3877 | 1.3359 | 1.6005 | 1.4186 | 1.3040 | 2.0624 | |
| 13 | 1.7042 | 1.6977 | 1.6553 | 1.5528 | 1.7152 | 1.1271 | 0.5146 | |
| | 1.2885 | 1.2940 | 1.3300 | 1.4178 | 1.3008 | 1.8242 | 3.8846 | |
| 14 | 1.8128 | 1.8039 | 1.7898 | 1.6424 | 0.9885 | 0.5162 | | |
| | 1.2097 | 1.2163 | 1.2296 | 1.3402 | 2.0473 | 3.8730 | | |
| 15 | 0.8300 | 0.7422 | 0.7904 | 0.6714 | F-SUB-Q | | | |
| | 2.3954 | 2.6916 | 2.5029 | 2.9569 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6446 | 1.4964 | 1.4857 | 1.4897 | 1.7540 | 1.6909 | 1.8003 | 0.8217 |
| | 1.2878 | 1.4103 | 1.4180 | 1.4097 | 1.2010 | 1.2494 | 1.1718 | 2.3295 |
| 9 | 1.4964 | 1.7381 | 1.7206 | 1.7122 | 1.5580 | 1.6813 | 1.7898 | 0.8163 |
| | 1.4103 | 1.2147 | 1.2270 | 1.2291 | 1.3506 | 1.2567 | 1.1791 | 2.3411 |
| 10 | 1.4857 | 1.7215 | 1.4553 | 1.4129 | 1.6207 | 1.6319 | 1.7618 | 0.6923 |
| | 1.4180 | 1.2264 | 1.4462 | 1.4870 | 1.3010 | 1.2967 | 1.1998 | 2.7894 |
| 11 | 1.4897 | 1.7129 | 1.4149 | 1.6551 | 1.3627 | 1.5346 | 1.6113 | 0.6458 |
| | 1.4097 | 1.2285 | 1.4850 | 1.2742 | 1.5584 | 1.3809 | 1.3118 | 2.9525 |
| 12 | 1.7540 | 1.5596 | 1.6253 | 1.3638 | 1.5657 | 1.6985 | 0.9740 | |
| | 1.2010 | 1.3495 | 1.2975 | 1.5562 | 1.3735 | 1.2605 | 1.9955 | |
| 13 | 1.6909 | 1.6843 | 1.6428 | 1.5390 | 1.7029 | 1.1178 | 0.5090 | |
| | 1.2494 | 1.2546 | 1.2885 | 1.3755 | 1.2574 | 1.7651 | 3.7710 | |
| 14 | 1.8003 | 1.7917 | 1.7791 | 1.6315 | 0.9814 | 0.5106 | | |
| | 1.1718 | 1.1781 | 1.1890 | 1.2963 | 1.9806 | 3.7596 | | |
| 15 | 0.8217 | 0.7386 | 0.7842 | 0.6656 | F-SUB-Q | | | |
| | 2.3295 | 2.6037 | 2.4273 | 2.8686 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6113 | 1.4697 | 1.4598 | 1.4642 | 1.7240 | 1.6657 | 1.7708 | 0.8146 |
| | 1.3694 | 1.4967 | 1.5047 | 1.4959 | 1.2741 | 1.3221 | 1.2419 | 2.4517 |
| 9 | 1.4697 | 1.7063 | 1.6917 | 1.6809 | 1.5318 | 1.6560 | 1.7604 | 0.8095 |
| | 1.4967 | 1.2896 | 1.3010 | 1.3059 | 1.4322 | 1.3299 | 1.2495 | 2.4628 |
| 10 | 1.4598 | 1.6926 | 1.4293 | 1.3889 | 1.5897 | 1.6076 | 1.7347 | 0.6913 |
| | 1.5047 | 1.3004 | 1.5355 | 1.5772 | 1.3826 | 1.3713 | 1.2692 | 2.9135 |
| 11 | 1.4642 | 1.6818 | 1.3909 | 1.6236 | 1.3396 | 1.5070 | 1.5856 | 0.6435 |
| | 1.4959 | 1.3053 | 1.5750 | 1.3541 | 1.6504 | 1.4654 | 1.3878 | 3.0882 |
| 12 | 1.7240 | 1.5334 | 1.5944 | 1.3407 | 1.5425 | 1.6710 | 0.9708 | |
| | 1.2741 | 1.4312 | 1.3788 | 1.6487 | 1.4496 | 1.3310 | 2.0832 | |
| 13 | 1.6657 | 1.6591 | 1.6187 | 1.5114 | 1.6754 | 1.1106 | 0.5056 | |
| | 1.3221 | 1.3275 | 1.3623 | 1.4591 | 1.3276 | 1.8455 | 3.9490 | |
| 14 | 1.7708 | 1.7625 | 1.7523 | 1.6060 | 0.9782 | 0.5072 | | |
| | 1.2419 | 1.2483 | 1.2572 | 1.3707 | 2.0675 | 3.9370 | | |
| 15 | 0.8146 | 0.7383 | 0.7807 | 0.6634 | F-SUB-Q | | | |
| | 2.4517 | 2.7179 | 2.5428 | 2.9993 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6194 | 1.4663 | 1.4570 | 1.4618 | 1.7321 | 1.6707 | 1.7863 | 0.8000 |
| | 1.3118 | 1.4473 | 1.4556 | 1.4485 | 1.2257 | 1.2750 | 1.1906 | 2.4189 |
| 9 | 1.4663 | 1.7124 | 1.6946 | 1.6890 | 1.5310 | 1.6610 | 1.7758 | 0.7952 |
| | 1.4473 | 1.2393 | 1.2541 | 1.2550 | 1.3861 | 1.2822 | 1.1978 | 2.4286 |
| 10 | 1.4570 | 1.6956 | 1.4261 | 1.3842 | 1.6000 | 1.6130 | 1.7493 | 0.6727 |
| | 1.4556 | 1.2534 | 1.4864 | 1.5287 | 1.3274 | 1.3203 | 1.2156 | 2.8984 |
| 11 | 1.4618 | 1.6898 | 1.3862 | 1.6315 | 1.3374 | 1.5182 | 1.5976 | 0.6277 |
| | 1.4485 | 1.2544 | 1.5265 | 1.2994 | 1.5916 | 1.4040 | 1.3288 | 3.0630 |
| 12 | 1.7321 | 1.5327 | 1.6048 | 1.3385 | 1.5489 | 1.6836 | 0.9495 | |
| | 1.2257 | 1.3850 | 1.3236 | 1.5904 | 1.3851 | 1.2696 | 2.0532 | |
| 13 | 1.6707 | 1.6643 | 1.6244 | 1.5228 | 1.6881 | 1.0929 | 0.4927 | |
| | 1.2750 | 1.2798 | 1.3114 | 1.3971 | 1.2663 | 1.8022 | 3.9109 | |
| 14 | 1.7863 | 1.7782 | 1.7674 | 1.6187 | 0.9568 | 0.4942 | | |
| | 1.1906 | 1.1964 | 1.2036 | 1.3121 | 2.0375 | 3.8988 | | |
| 15 | 0.8000 | 0.7164 | 0.7644 | 0.6472 | F-SUB-Q | | | |
| | 2.4189 | 2.7136 | 2.5142 | 2.9742 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6000 | 1.4476 | 1.4392 | 1.4438 | 1.7139 | 1.6549 | 1.7701 | 0.7878 |
| | 1.2752 | 1.4097 | 1.4176 | 1.4115 | 1.1919 | 1.2385 | 1.1559 | 2.3665 |
| 9 | 1.4476 | 1.6925 | 1.6768 | 1.6708 | 1.5136 | 1.6453 | 1.7599 | 0.7833 |
| | 1.4097 | 1.2056 | 1.2191 | 1.2211 | 1.3495 | 1.2453 | 1.1627 | 2.3749 |
| 10 | 1.4392 | 1.6778 | 1.4086 | 1.3669 | 1.5834 | 1.5978 | 1.7336 | 0.6623 |
| | 1.4176 | 1.2184 | 1.4480 | 1.4896 | 1.2905 | 1.2816 | 1.1793 | 2.8352 |
| 11 | 1.4438 | 1.6716 | 1.3689 | 1.6137 | 1.3218 | 1.5030 | 1.5817 | 0.6178 |
| | 1.4115 | 1.2205 | 1.4874 | 1.2632 | 1.5458 | 1.3612 | 1.2898 | 2.9962 |
| 12 | 1.7139 | 1.5153 | 1.5882 | 1.3228 | 1.5353 | 1.6681 | 0.9359 | |
| | 1.1919 | 1.3481 | 1.2867 | 1.5446 | 1.3368 | 1.2280 | 2.0013 | |
| 13 | 1.6549 | 1.6486 | 1.6093 | 1.5075 | 1.6726 | 1.0792 | 0.4846 | |
| | 1.2385 | 1.2429 | 1.2729 | 1.3563 | 1.2247 | 1.7494 | 3.8209 | |
| 14 | 1.7701 | 1.7623 | 1.7518 | 1.6028 | 0.9432 | 0.4861 | | |
| | 1.1559 | 1.1612 | 1.1673 | 1.2733 | 1.9858 | 3.8091 | | |
| 15 | 0.7878 | 0.7054 | 0.7533 | 0.6371 | F-SUB-Q | | | |
| | 2.3665 | 2.6551 | 2.4569 | 2.9084 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5467 | 1.4106 | 1.4029 | 1.4072 | 1.6627 | 1.6135 | 1.7141 | 0.7776 |
| | 1.2756 | 1.3994 | 1.4072 | 1.4017 | 1.1887 | 1.2287 | 1.1547 | 2.3226 |
| 9 | 1.4106 | 1.6397 | 1.6330 | 1.6183 | 1.4764 | 1.6041 | 1.7044 | 0.7733 |
| | 1.3994 | 1.2036 | 1.2110 | 1.2197 | 1.3388 | 1.2354 | 1.1613 | 2.3311 |
| 10 | 1.4029 | 1.6341 | 1.3736 | 1.3342 | 1.5343 | 1.5578 | 1.6802 | 0.6601 |
| | 1.4072 | 1.2102 | 1.4370 | 1.4769 | 1.2885 | 1.2711 | 1.1763 | 2.7554 |
| 11 | 1.4072 | 1.6192 | 1.3362 | 1.5649 | 1.2907 | 1.4555 | 1.5308 | 0.6137 |
| | 1.4017 | 1.2191 | 1.4747 | 1.2610 | 1.5294 | 1.3572 | 1.2880 | 2.9203 |
| 12 | 1.6627 | 1.4781 | 1.5390 | 1.2918 | 1.4970 | 1.6176 | 0.9296 | |
| | 1.1887 | 1.3374 | 1.2847 | 1.5282 | 1.3221 | 1.2217 | 1.9477 | |
| 13 | 1.6135 | 1.6074 | 1.5690 | 1.4599 | 1.6221 | 1.0682 | 0.4818 | |
| | 1.2287 | 1.2330 | 1.2623 | 1.3533 | 1.2184 | 1.7058 | 3.7168 | |
| 14 | 1.7141 | 1.7068 | 1.6978 | 1.5514 | 0.9369 | 0.4833 | | |
| | 1.1547 | 1.1598 | 1.1642 | 1.2713 | 1.9325 | 3.7052 | | |
| 15 | 0.7776 | 0.7051 | 0.7473 | 0.6332 | F-SUB-Q | | | |
| | 2.3226 | 2.5735 | 2.3988 | 2.8333 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5292 | 1.3932 | 1.3842 | 1.3910 | 1.6384 | 1.5952 | 1.6906 | 0.7576 |
| | 1.2555 | 1.3791 | 1.3884 | 1.3805 | 1.1740 | 1.2093 | 1.1392 | 2.3232 |
| 9 | 1.3932 | 1.6118 | 1.6129 | 1.5973 | 1.4616 | 1.5866 | 1.6813 | 0.7531 |
| | 1.3791 | 1.1916 | 1.1932 | 1.2025 | 1.3163 | 1.2152 | 1.1453 | 2.3317 |
| 10 | 1.3842 | 1.6140 | 1.3560 | 1.3175 | 1.5209 | 1.5428 | 1.6565 | 0.6364 |
| | 1.3884 | 1.1924 | 1.4172 | 1.4562 | 1.2651 | 1.2483 | 1.1601 | 2.7845 |
| 11 | 1.3910 | 1.5981 | 1.3196 | 1.5483 | 1.2804 | 1.4405 | 1.5091 | 0.5931 |
| | 1.3805 | 1.2019 | 1.4541 | 1.2391 | 1.4994 | 1.3332 | 1.2705 | 2.9436 |
| 12 | 1.6384 | 1.4632 | 1.5255 | 1.2814 | 1.4817 | 1.5972 | 0.9014 | |
| | 1.1740 | 1.3149 | 1.2614 | 1.4982 | 1.2976 | 1.2021 | 1.9544 | |
| 13 | 1.5952 | 1.5897 | 1.5538 | 1.4449 | 1.6016 | 1.0397 | 0.4664 | |
| | 1.2093 | 1.2130 | 1.2397 | 1.3293 | 1.1989 | 1.7039 | 3.7390 | |
| 14 | 1.6906 | 1.6835 | 1.6742 | 1.5292 | 0.9084 | 0.4679 | | |
| | 1.1392 | 1.1439 | 1.1480 | 1.2542 | 1.9392 | 3.7274 | | |
| 15 | 0.7576 | 0.6793 | 0.7250 | 0.6119 | F-SUB-Q | | | |
| | 2.3232 | 2.6032 | 2.4088 | 2.8562 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4693 | 1.3416 | 1.3115 | 1.3400 | 1.5659 | 1.5156 | 1.5968 | 0.7350 |
| | 1.2319 | 1.4010 | 1.4349 | 1.4030 | 1.1987 | 1.2455 | 1.1803 | 2.3476 |
| 9 | 1.3416 | 1.5362 | 1.5292 | 1.5267 | 1.4083 | 1.5070 | 1.5875 | 0.7308 |
| | 1.4010 | 1.2237 | 1.2316 | 1.2169 | 1.3357 | 1.2519 | 1.1870 | 2.3557 |
| 10 | 1.3115 | 1.5302 | 1.2830 | 1.2690 | 1.4515 | 1.4717 | 1.5685 | 0.6132 |
| | 1.4349 | 1.2308 | 1.4669 | 1.4809 | 1.2594 | 1.2804 | 1.1986 | 2.8334 |
| 11 | 1.3400 | 1.5274 | 1.2710 | 1.4911 | 1.2390 | 1.3903 | 1.4436 | 0.5704 |
| | 1.4030 | 1.2161 | 1.4785 | 1.2465 | 1.5159 | 1.3077 | 1.2994 | 3.0011 |
| 12 | 1.5659 | 1.4093 | 1.4558 | 1.2409 | 1.4143 | 1.5159 | 0.8767 | |
| | 1.1987 | 1.3347 | 1.2570 | 1.5136 | 1.3300 | 1.2387 | 1.9676 | |
| 13 | 1.5156 | 1.5098 | 1.4820 | 1.3963 | 1.5201 | 0.9905 | 0.4447 | |
| | 1.2455 | 1.2497 | 1.2717 | 1.3010 | 1.2354 | 1.7507 | 3.8455 | |
| 14 | 1.5968 | 1.5894 | 1.5851 | 1.4613 | 0.8835 | 0.4461 | | |
| | 1.1803 | 1.1856 | 1.1863 | 1.2840 | 1.9525 | 3.8336 | | |
| 15 | 0.7350 | 0.6572 | 0.7006 | 0.5879 | F-SUB-Q | | | |
| | 2.3476 | 2.6382 | 2.4439 | 2.9144 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5000 | 1.1687 | 1.0886 | 1.1576 | 1.5437 | 1.2691 | 1.4731 | 0.6455 |
| | 1.2319 | 1.5828 | 1.7023 | 1.5985 | 1.1987 | 1.4636 | 1.2577 | 2.6362 |
| 9 | 1.1687 | 1.5070 | 1.2958 | 1.5197 | 1.2267 | 1.2606 | 1.4637 | 0.6461 |
| | 1.5828 | 1.2269 | 1.4302 | 1.2169 | 1.5095 | 1.4730 | 1.2655 | 2.6276 |
| 10 | 1.0886 | 1.2967 | 1.0607 | 1.1107 | 1.4681 | 1.2393 | 1.4229 | 0.5377 |
| | 1.7023 | 1.4292 | 1.7473 | 1.6650 | 1.2594 | 1.4962 | 1.3005 | 3.1874 |
| 11 | 1.1576 | 1.5208 | 1.1124 | 1.4826 | 1.0892 | 1.4134 | 1.3078 | 0.4979 |
| | 1.5985 | 1.2161 | 1.6625 | 1.2465 | 1.6972 | 1.3077 | 1.4119 | 3.3926 |
| 12 | 1.5437 | 1.2275 | 1.4712 | 1.0915 | 1.1975 | 1.3617 | 0.7884 | |
| | 1.1987 | 1.5086 | 1.2570 | 1.6940 | 1.5457 | 1.3568 | 2.1566 | |
| 13 | 1.2691 | 1.2629 | 1.2478 | 1.4209 | 1.3661 | 0.8462 | 0.3780 | |
| | 1.4636 | 1.4700 | 1.4863 | 1.3010 | 1.3525 | 2.0194 | 4.4660 | |
| 14 | 1.4731 | 1.4649 | 1.4369 | 1.3230 | 0.7943 | 0.3792 | | |
| | 1.2577 | 1.2646 | 1.2880 | 1.3959 | 2.1404 | 4.4521 | | |
| 15 | 0.6455 | 0.5799 | 0.6148 | 0.5116 | F-SUB-Q | | | |
| | 2.6362 | 2.9490 | 2.7466 | 3.3044 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6014 | 0.5116 | 0.4768 | 0.5152 | 0.6095 | 0.5116 | 0.5381 | 0.2751 |
| | 3.0430 | 3.5811 | 3.8487 | 3.5588 | 3.0072 | 3.5881 | 3.4124 | 6.1378 |
| 9 | 0.5116 | 0.5930 | 0.5194 | 0.5956 | 0.5302 | 0.4997 | 0.5343 | 0.2746 |
| | 3.5811 | 3.0889 | 3.5313 | 3.0758 | 3.4587 | 3.6766 | 3.4357 | 6.1355 |
| 10 | 0.4768 | 0.5197 | 0.4649 | 0.4973 | 0.5844 | 0.4992 | 0.5165 | 0.2485 |
| | 3.8487 | 3.5290 | 3.9472 | 3.6830 | 3.1335 | 3.6722 | 3.5508 | 6.8447 |
| 11 | 0.5152 | 0.5960 | 0.4981 | 0.5678 | 0.4887 | 0.5532 | 0.4782 | 0.2175 |
| | 3.5588 | 3.0736 | 3.6773 | 3.2242 | 3.7485 | 3.3113 | 3.8295 | 7.7102 |
| 12 | 0.6095 | 0.5306 | 0.5859 | 0.4896 | 0.4730 | 0.4981 | 0.3336 | |
| | 3.0072 | 3.4564 | 3.1258 | 3.7417 | 3.8760 | 3.6770 | 5.0549 | |
| 13 | 0.5116 | 0.5006 | 0.5016 | 0.5561 | 0.4998 | 0.3482 | 0.1686 | |
| | 3.5881 | 3.6700 | 3.6555 | 3.2944 | 3.6644 | 4.8645 | 9.9452 | |
| 14 | 0.5381 | 0.5348 | 0.5213 | 0.4836 | 0.3361 | 0.1691 | | |
| | 3.4124 | 3.4325 | 3.5183 | 3.7875 | 5.0170 | 9.9134 | | |
| 15 | 0.2751 | 0.2633 | 0.2625 | 0.2240 | F-SUB-Q | | | |
| | 6.1378 | 6.4438 | 6.3837 | 7.4929 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4630 | 0.4619 | 0.4555 | 0.4859 | 0.5529 | 0.4760 | 0.4749 | 0.2651 |
| | 3.4452 | 3.9701 | 4.2015 | 3.8292 | 3.3415 | 3.8606 | 3.8367 | 6.2277 |
| 9 | 0.4619 | 0.5352 | 0.4834 | 0.5470 | 0.4990 | 0.4686 | 0.4723 | 0.2649 |
| | 3.9701 | 3.5680 | 3.9416 | 3.4227 | 3.7219 | 3.9391 | 3.8764 | 6.2322 |
| 10 | 0.4555 | 0.4835 | 0.4479 | 0.4730 | 0.5381 | 0.4653 | 0.4563 | 0.2381 |
| | 4.2015 | 3.9406 | 4.2898 | 4.0211 | 3.5478 | 4.0894 | 4.1127 | 7.1099 |
| 11 | 0.4859 | 0.5472 | 0.4732 | 0.5162 | 0.4582 | 0.4948 | 0.4301 | 0.2141 |
| | 3.8292 | 3.4217 | 4.0186 | 3.6777 | 4.1230 | 3.8003 | 4.4291 | 8.0753 |
| 12 | 0.5529 | 0.4991 | 0.5385 | 0.4587 | 0.4107 | 0.4238 | 0.3085 | |
| | 3.3415 | 3.7209 | 3.5448 | 4.1196 | 4.2103 | 4.1588 | 5.4929 | |
| 13 | 0.4760 | 0.4688 | 0.4661 | 0.4960 | 0.4246 | 0.3068 | 0.1693 | |
| | 3.8606 | 3.9374 | 4.0820 | 3.7918 | 4.1519 | 5.1442 | 9.6431 | |
| 14 | 0.4749 | 0.4718 | 0.4580 | 0.4326 | 0.3100 | 0.1697 | | |
| | 3.8367 | 3.8814 | 4.0970 | 4.4049 | 5.4682 | 9.6244 | | |
| 15 | 0.2651 | 0.2487 | 0.2505 | 0.2187 | F-SUB-Q | | | |
| | 6.2277 | 6.6855 | 6.6672 | 7.9065 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2127 | 1.0231 | 0.9768 | 1.0339 | 1.2881 | 1.0950 | 1.1854 | 0.6124 |
| | 1.5169 | 1.8641 | 1.9988 | 1.8383 | 1.4679 | 1.7157 | 1.5715 | 2.7572 |
| 9 | 1.0231 | 1.2550 | 1.1181 | 1.2792 | 1.0836 | 1.0790 | 1.1796 | 0.6108 |
| | 1.8641 | 1.5433 | 1.7390 | 1.4914 | 1.7513 | 1.7490 | 1.5861 | 2.7694 |
| 10 | 0.9768 | 1.1183 | 0.9634 | 1.0050 | 1.2541 | 1.0698 | 1.1454 | 0.5160 |
| | 1.9988 | 1.7388 | 2.0348 | 1.9309 | 1.5514 | 1.8155 | 1.6715 | 3.3534 |
| 11 | 1.0339 | 1.2795 | 1.0055 | 1.2489 | 0.9801 | 1.1770 | 1.0755 | 0.4862 |
| | 1.8383 | 1.4911 | 1.9297 | 1.5500 | 1.9648 | 1.6282 | 1.7884 | 3.6295 |
| 12 | 1.2881 | 1.0839 | 1.2549 | 0.9809 | 0.9876 | 1.0969 | 0.7198 | |
| | 1.4679 | 1.7508 | 1.5503 | 1.9633 | 1.8328 | 1.6826 | 2.4035 | |
| 13 | 1.0950 | 1.0794 | 1.0716 | 1.1798 | 1.0988 | 0.7550 | 0.3837 | |
| | 1.7157 | 1.7484 | 1.8123 | 1.6248 | 1.6802 | 2.2069 | 4.3626 | |
| 14 | 1.1854 | 1.1778 | 1.1500 | 1.0821 | 0.7230 | 0.3845 | | |
| | 1.5715 | 1.5886 | 1.6646 | 1.7780 | 2.3931 | 4.3546 | | |
| 15 | 0.6124 | 0.5473 | 0.5765 | 0.4954 | F-SUB-Q | | | |
| | 2.7572 | 3.1059 | 2.9606 | 3.5630 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3281 | 1.2375 | 1.1956 | 1.2396 | 1.4025 | 1.3234 | 1.3451 | 0.7338 |
| | 1.4737 | 1.5968 | 1.6614 | 1.5573 | 1.3648 | 1.4403 | 1.4068 | 2.3354 |
| 9 | 1.2375 | 1.3814 | 1.3484 | 1.3880 | 1.2908 | 1.3103 | 1.3347 | 0.7283 |
| | 1.5968 | 1.4444 | 1.4668 | 1.3966 | 1.4924 | 1.4602 | 1.4249 | 2.3530 |
| 10 | 1.1956 | 1.3485 | 1.1823 | 1.1968 | 1.3169 | 1.2820 | 1.3237 | 0.6243 |
| | 1.6614 | 1.4667 | 1.6837 | 1.6504 | 1.4939 | 1.5302 | 1.4652 | 2.8122 |
| 11 | 1.2396 | 1.3883 | 1.1975 | 1.3559 | 1.1658 | 1.2496 | 1.2455 | 0.5861 |
| | 1.5573 | 1.3962 | 1.6493 | 1.4524 | 1.6819 | 1.5687 | 1.5700 | 3.0557 |
| 12 | 1.4025 | 1.2911 | 1.3181 | 1.1667 | 1.2307 | 1.2921 | 0.8589 | |
| | 1.3648 | 1.4919 | 1.4929 | 1.6807 | 1.5403 | 1.4695 | 2.0530 | |
| 13 | 1.3234 | 1.3107 | 1.2843 | 1.2522 | 1.2940 | 0.9325 | 0.4736 | |
| | 1.4403 | 1.4597 | 1.5260 | 1.5656 | 1.4676 | 1.8557 | 3.6149 | |
| 14 | 1.3451 | 1.3341 | 1.3304 | 1.2541 | 0.8629 | 0.4745 | | |
| | 1.4068 | 1.4260 | 1.4595 | 1.5596 | 2.0435 | 3.6081 | | |
| 15 | 0.7338 | 0.6609 | 0.6921 | 0.5987 | F-SUB-Q | | | |
| | 2.3354 | 2.6109 | 2.5029 | 2.9908 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4914 | 1.3667 | 1.3248 | 1.3668 | 1.5798 | 1.4695 | 1.5268 | 0.7903 |
| | 1.3488 | 1.4826 | 1.5247 | 1.4356 | 1.2284 | 1.3171 | 1.2577 | 2.2024 |
| 9 | 1.3666 | 1.5608 | 1.5039 | 1.5604 | 1.4240 | 1.4555 | 1.5155 | 0.7821 |
| | 1.4826 | 1.3081 | 1.3364 | 1.2622 | 1.3745 | 1.3291 | 1.2738 | 2.2256 |
| 10 | 1.3248 | 1.5039 | 1.3101 | 1.3131 | 1.4727 | 1.4242 | 1.5053 | 0.6703 |
| | 1.5247 | 1.3363 | 1.5442 | 1.5290 | 1.3558 | 1.3904 | 1.3069 | 2.6598 |
| 11 | 1.3668 | 1.5608 | 1.3140 | 1.5216 | 1.2797 | 1.4016 | 1.4094 | 0.6306 |
| | 1.4356 | 1.2619 | 1.5279 | 1.3181 | 1.5633 | 1.4261 | 1.4124 | 2.8817 |
| 12 | 1.5798 | 1.4245 | 1.4737 | 1.2807 | 1.3788 | 1.4718 | 0.9279 | |
| | 1.2284 | 1.3740 | 1.3548 | 1.5624 | 1.4086 | 1.3204 | 1.9399 | |
| 13 | 1.4695 | 1.4561 | 1.4283 | 1.4047 | 1.4740 | 1.0249 | 0.5096 | |
| | 1.3171 | 1.3291 | 1.3862 | 1.4230 | 1.3185 | 1.7314 | 3.4363 | |
| 14 | 1.5268 | 1.5151 | 1.5130 | 1.4197 | 0.9326 | 0.5107 | | |
| | 1.2577 | 1.2747 | 1.3012 | 1.4023 | 1.9304 | 3.4295 | | |
| 15 | 0.7903 | 0.7057 | 0.7447 | 0.6447 | F-SUB-Q | | | |
| | 2.2024 | 2.4833 | 2.3614 | 2.8184 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5862 | 1.4338 | 1.3863 | 1.4339 | 1.6815 | 1.5427 | 1.6284 | 0.8279 |
| | 1.2998 | 1.4473 | 1.4841 | 1.3939 | 1.1747 | 1.2727 | 1.1995 | 2.1404 |
| 9 | 1.4338 | 1.6589 | 1.5822 | 1.6593 | 1.4954 | 1.5342 | 1.6161 | 0.8210 |
| | 1.4473 | 1.2582 | 1.2929 | 1.2085 | 1.3329 | 1.2820 | 1.2150 | 2.1583 |
| 10 | 1.3863 | 1.5822 | 1.3686 | 1.3753 | 1.5604 | 1.5028 | 1.6094 | 0.7055 |
| | 1.4841 | 1.2929 | 1.5049 | 1.4847 | 1.3025 | 1.3391 | 1.2418 | 2.5707 |
| 11 | 1.4339 | 1.6598 | 1.3763 | 1.6169 | 1.3420 | 1.4897 | 1.5093 | 0.6623 |
| | 1.3939 | 1.2082 | 1.4835 | 1.2678 | 1.5248 | 1.3710 | 1.3463 | 2.7870 |
| 12 | 1.6815 | 1.4960 | 1.5615 | 1.3432 | 1.4553 | 1.5722 | 0.9810 | |
| | 1.1747 | 1.3324 | 1.3014 | 1.5235 | 1.3663 | 1.2651 | 1.8772 | |
| 13 | 1.5426 | 1.5344 | 1.5079 | 1.4933 | 1.5747 | 1.0804 | 0.5317 | |
| | 1.2727 | 1.2819 | 1.3347 | 1.3678 | 1.2631 | 1.6829 | 3.3756 | |
| 14 | 1.6284 | 1.6159 | 1.6183 | 1.5207 | 0.9861 | 0.5329 | | |
| | 1.1995 | 1.2157 | 1.2360 | 1.3363 | 1.8677 | 3.3686 | | |
| 15 | 0.8279 | 0.7423 | 0.7823 | 0.6772 | F-SUB-Q | | | |
| | 2.1404 | 2.4037 | 2.2864 | 2.7250 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6405 | 1.4726 | 1.4205 | 1.4740 | 1.7416 | 1.5884 | 1.6902 | 0.8548 |
| | 1.2854 | 1.4404 | 1.4781 | 1.3853 | 1.1582 | 1.2583 | 1.1792 | 2.1166 |
| 9 | 1.4726 | 1.7132 | 1.6269 | 1.7173 | 1.5387 | 1.5833 | 1.6774 | 0.8492 |
| | 1.4404 | 1.2384 | 1.2826 | 1.1922 | 1.3229 | 1.2672 | 1.1942 | 2.1302 |
| 10 | 1.4205 | 1.6271 | 1.4006 | 1.4127 | 1.6141 | 1.5535 | 1.6749 | 0.7327 |
| | 1.4781 | 1.2825 | 1.4999 | 1.4729 | 1.2859 | 1.3197 | 1.2149 | 2.5238 |
| 11 | 1.4740 | 1.7178 | 1.4138 | 1.6739 | 1.3806 | 1.5440 | 1.5732 | 0.6867 |
| | 1.3853 | 1.1918 | 1.4716 | 1.2493 | 1.5116 | 1.3478 | 1.3142 | 2.7305 |
| 12 | 1.7416 | 1.5393 | 1.6164 | 1.3819 | 1.5027 | 1.6339 | 1.0198 | |
| | 1.1582 | 1.3224 | 1.2847 | 1.5102 | 1.3547 | 1.2463 | 1.8453 | |
| 13 | 1.5884 | 1.5837 | 1.5594 | 1.5480 | 1.6367 | 1.1185 | 0.5475 | |
| | 1.2583 | 1.2669 | 1.3150 | 1.3444 | 1.2442 | 1.6681 | 3.3621 | |
| 14 | 1.6902 | 1.6775 | 1.6848 | 1.5855 | 1.0252 | 0.5487 | | |
| | 1.1792 | 1.1947 | 1.2089 | 1.3041 | 1.8355 | 3.3548 | | |
| 15 | 0.8548 | 0.7708 | 0.8108 | 0.7022 | F-SUB-Q | | | |
| | 2.1166 | 2.3633 | 2.2491 | 2.6713 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6922 | 1.5080 | 1.4523 | 1.5117 | 1.8014 | 1.6376 | 1.7537 | 0.8717 |
| | 1.2688 | 1.4301 | 1.4780 | 1.3841 | 1.1473 | 1.2497 | 1.1637 | 2.1261 |
| 9 | 1.5080 | 1.7663 | 1.6701 | 1.7744 | 1.5801 | 1.6324 | 1.7405 | 0.8654 |
| | 1.4301 | 1.2200 | 1.2772 | 1.1813 | 1.3196 | 1.2578 | 1.1779 | 2.1405 |
| 10 | 1.4523 | 1.6703 | 1.4312 | 1.4479 | 1.6688 | 1.6043 | 1.7415 | 0.7452 |
| | 1.4780 | 1.2770 | 1.4996 | 1.4686 | 1.2715 | 1.3038 | 1.1924 | 2.5360 |
| 11 | 1.5117 | 1.7750 | 1.4492 | 1.7307 | 1.4172 | 1.6004 | 1.6371 | 0.6988 |
| | 1.3841 | 1.1809 | 1.4672 | 1.2287 | 1.4988 | 1.3218 | 1.2803 | 2.7258 |
| 12 | 1.8014 | 1.5807 | 1.6712 | 1.4186 | 1.5502 | 1.6960 | 1.0423 | |
| | 1.1473 | 1.3191 | 1.2695 | 1.4973 | 1.3444 | 1.2289 | 1.8437 | |
| 13 | 1.6376 | 1.6329 | 1.6107 | 1.6047 | 1.6991 | 1.1422 | 0.5545 | |
| | 1.2497 | 1.2574 | 1.2985 | 1.3177 | 1.2268 | 1.6725 | 3.3989 | |
| 14 | 1.7537 | 1.7409 | 1.7523 | 1.6503 | 1.0480 | 0.5558 | | |
| | 1.1637 | 1.1780 | 1.1862 | 1.2701 | 1.8335 | 3.3914 | | |
| 15 | 0.8717 | 0.7841 | 0.8268 | 0.7148 | F-SUB-Q | | | |
| | 2.1261 | 2.3791 | 2.2539 | 2.6653 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7218 | 1.5281 | 1.4700 | 1.5345 | 1.8384 | 1.6699 | 1.7951 | 0.8839 |
| | 1.2758 | 1.4447 | 1.4930 | 1.4020 | 1.1561 | 1.2595 | 1.1683 | 2.1550 |
| 9 | 1.5281 | 1.7967 | 1.6959 | 1.8088 | 1.6056 | 1.6647 | 1.7818 | 0.8778 |
| | 1.4447 | 1.2289 | 1.2882 | 1.1904 | 1.3348 | 1.2667 | 1.1815 | 2.1682 |
| 10 | 1.4700 | 1.6962 | 1.4481 | 1.4691 | 1.7025 | 1.6382 | 1.7861 | 0.7558 |
| | 1.4930 | 1.2880 | 1.5139 | 1.4808 | 1.2708 | 1.3054 | 1.1897 | 2.5625 |
| 11 | 1.5345 | 1.8095 | 1.4705 | 1.7658 | 1.4399 | 1.6360 | 1.6797 | 0.7089 |
| | 1.4020 | 1.1900 | 1.4794 | 1.2312 | 1.5076 | 1.3199 | 1.2750 | 2.7325 |
| 12 | 1.8384 | 1.6062 | 1.7052 | 1.4414 | 1.5813 | 1.7368 | 1.0602 | |
| | 1.1561 | 1.3343 | 1.2688 | 1.5061 | 1.3454 | 1.2246 | 1.8473 | |
| 13 | 1.6699 | 1.6655 | 1.6450 | 1.6406 | 1.7401 | 1.1603 | 0.5599 | |
| | 1.2595 | 1.2661 | 1.2998 | 1.3146 | 1.2224 | 1.6833 | 3.4311 | |
| 14 | 1.7951 | 1.7824 | 1.7977 | 1.6936 | 1.0661 | 0.5612 | | |
| | 1.1683 | 1.1811 | 1.1833 | 1.2646 | 1.8370 | 3.4232 | | |
| 15 | 0.8839 | 0.7954 | 0.8396 | 0.7252 | F-SUB-Q | | | |
| | 2.1550 | 2.4099 | 2.2746 | 2.6717 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7483 | 1.5444 | 1.4850 | 1.5536 | 1.8729 | 1.6988 | 1.8339 | 0.8916 |
| | 1.3014 | 1.4772 | 1.5181 | 1.4292 | 1.1715 | 1.2775 | 1.1800 | 2.2037 |
| 9 | 1.5444 | 1.8248 | 1.7188 | 1.8405 | 1.6275 | 1.6936 | 1.8203 | 0.8850 |
| | 1.4772 | 1.2375 | 1.3062 | 1.2062 | 1.3586 | 1.2835 | 1.1917 | 2.2187 |
| 10 | 1.4850 | 1.7192 | 1.4627 | 1.4869 | 1.7338 | 1.6682 | 1.8273 | 0.7610 |
| | 1.5181 | 1.3060 | 1.5392 | 1.5029 | 1.2797 | 1.3147 | 1.1940 | 2.6171 |
| 11 | 1.5536 | 1.8412 | 1.4884 | 1.7986 | 1.4591 | 1.6690 | 1.7183 | 0.7142 |
| | 1.4292 | 1.2058 | 1.5013 | 1.2431 | 1.5336 | 1.3294 | 1.2753 | 2.7732 |
| 12 | 1.8729 | 1.6282 | 1.7367 | 1.4607 | 1.6092 | 1.7746 | 1.0695 | |
| | 1.1715 | 1.3580 | 1.2776 | 1.5317 | 1.3656 | 1.2356 | 1.8849 | |
| 13 | 1.6988 | 1.6945 | 1.6755 | 1.6739 | 1.7781 | 1.1719 | 0.5621 | |
| | 1.2775 | 1.2828 | 1.3090 | 1.3236 | 1.2333 | 1.7181 | 3.5145 | |
| 14 | 1.8339 | 1.8211 | 1.8396 | 1.7329 | 1.0756 | 0.5635 | | |
| | 1.1800 | 1.1912 | 1.1871 | 1.2644 | 1.8742 | 3.5064 | | |
| 15 | 0.8916 | 0.8009 | 0.8472 | 0.7308 | F-SUB-Q | | | |
| | 2.2037 | 2.4681 | 2.3180 | 2.7114 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7342 | 1.5344 | 1.4755 | 1.5463 | 1.8638 | 1.6963 | 1.8282 | 0.8987 |
| | 1.3518 | 1.5279 | 1.5789 | 1.4877 | 1.2201 | 1.3251 | 1.2259 | 2.2629 |
| 9 | 1.5344 | 1.8105 | 1.7098 | 1.8291 | 1.6210 | 1.6909 | 1.8149 | 0.8949 |
| | 1.5279 | 1.2864 | 1.3568 | 1.2564 | 1.4129 | 1.3305 | 1.2364 | 2.2694 |
| 10 | 1.4755 | 1.7103 | 1.4528 | 1.4806 | 1.7247 | 1.6670 | 1.8247 | 0.7745 |
| | 1.5789 | 1.3564 | 1.6008 | 1.5586 | 1.3273 | 1.3557 | 1.2329 | 2.6541 |
| 11 | 1.5463 | 1.8298 | 1.4822 | 1.7895 | 1.4538 | 1.6606 | 1.7158 | 0.7251 |
| | 1.4877 | 1.2559 | 1.5569 | 1.2833 | 1.5794 | 1.3671 | 1.3116 | 2.8104 |
| 12 | 1.8638 | 1.6217 | 1.7277 | 1.4554 | 1.6059 | 1.7703 | 1.0858 | |
| | 1.2201 | 1.4123 | 1.3248 | 1.5775 | 1.4183 | 1.2823 | 1.9097 | |
| 13 | 1.6963 | 1.6920 | 1.6746 | 1.6680 | 1.7739 | 1.1843 | 0.5685 | |
| | 1.3251 | 1.3296 | 1.3496 | 1.3612 | 1.2798 | 1.7637 | 3.5949 | |
| 14 | 1.8282 | 1.8160 | 1.8375 | 1.7308 | 1.0921 | 0.5699 | | |
| | 1.2259 | 1.2357 | 1.2244 | 1.3002 | 1.8984 | 3.5861 | | |
| 15 | 0.8987 | 0.8153 | 0.8589 | 0.7421 | F-SUB-Q | | | |
| | 2.2629 | 2.5088 | 2.3599 | 2.7475 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7619 | 1.5487 | 1.4884 | 1.5634 | 1.9003 | 1.7245 | 1.8706 | 0.8973 |
| | 1.3785 | 1.5696 | 1.6238 | 1.5308 | 1.2450 | 1.3551 | 1.2455 | 2.3538 |
| 9 | 1.5487 | 1.8408 | 1.7321 | 1.8626 | 1.6407 | 1.7191 | 1.8572 | 0.8915 |
| | 1.5696 | 1.3136 | 1.3900 | 1.2826 | 1.4516 | 1.3596 | 1.2548 | 2.3641 |
| 10 | 1.4884 | 1.7326 | 1.4655 | 1.4949 | 1.7571 | 1.6964 | 1.8690 | 0.7673 |
| | 1.6238 | 1.3896 | 1.6471 | 1.6007 | 1.3497 | 1.3793 | 1.2457 | 2.7757 |
| 11 | 1.5634 | 1.8634 | 1.4967 | 1.8235 | 1.4704 | 1.6965 | 1.7569 | 0.7192 |
| | 1.5308 | 1.2821 | 1.5990 | 1.3038 | 1.6154 | 1.3834 | 1.3244 | 2.9279 |
| 12 | 1.9003 | 1.6415 | 1.7604 | 1.4721 | 1.6335 | 1.8107 | 1.0814 | |
| | 1.2450 | 1.4510 | 1.3468 | 1.6123 | 1.4367 | 1.2916 | 1.9767 | |
| 13 | 1.7245 | 1.7205 | 1.7044 | 1.7043 | 1.8145 | 1.1837 | 0.5626 | |
| | 1.3551 | 1.3586 | 1.3729 | 1.3772 | 1.2890 | 1.8171 | 3.7307 | |
| 14 | 1.8706 | 1.8585 | 1.8825 | 1.7727 | 1.0879 | 0.5641 | | |
| | 1.2455 | 1.2540 | 1.2369 | 1.3128 | 1.9649 | 3.7216 | | |
| 15 | 0.8973 | 0.8081 | 0.8553 | 0.7364 | F-SUB-Q | | | |
| | 2.3538 | 2.6282 | 2.4551 | 2.8612 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7605 | 1.5441 | 1.4839 | 1.5614 | 1.9052 | 1.7295 | 1.8805 | 0.8960 |
| | 1.3838 | 1.5743 | 1.6290 | 1.5441 | 1.2669 | 1.3958 | 1.2833 | 2.4513 |
| 9 | 1.5441 | 1.8403 | 1.7311 | 1.8650 | 1.6399 | 1.7241 | 1.8670 | 0.8906 |
| | 1.5743 | 1.3176 | 1.3981 | 1.2956 | 1.4715 | 1.4016 | 1.2945 | 2.4617 |
| 10 | 1.4839 | 1.7317 | 1.4607 | 1.4923 | 1.7604 | 1.7026 | 1.8812 | 0.7671 |
| | 1.6290 | 1.3977 | 1.6553 | 1.6198 | 1.3755 | 1.4243 | 1.2856 | 2.8842 |
| 11 | 1.5614 | 1.8658 | 1.4941 | 1.8271 | 1.4693 | 1.7039 | 1.7679 | 0.7183 |
| | 1.5441 | 1.2950 | 1.6179 | 1.3317 | 1.6560 | 1.4292 | 1.3656 | 3.0363 |
| 12 | 1.9052 | 1.6407 | 1.7638 | 1.4711 | 1.6382 | 1.8203 | 1.0828 | |
| | 1.2669 | 1.4708 | 1.3728 | 1.6537 | 1.4858 | 1.3323 | 2.0466 | |
| 13 | 1.7295 | 1.7261 | 1.7109 | 1.7120 | 1.8243 | 1.1843 | 0.5603 | |
| | 1.3958 | 1.4004 | 1.4175 | 1.4225 | 1.3296 | 1.8812 | 3.8753 | |
| 14 | 1.8805 | 1.8687 | 1.8953 | 1.7843 | 1.0895 | 0.5617 | | |
| | 1.2833 | 1.2935 | 1.2762 | 1.3534 | 2.0343 | 3.8659 | | |
| 15 | 0.8960 | 0.8079 | 0.8554 | 0.7357 | F-SUB-Q | | | |
| | 2.4513 | 2.7326 | 2.5505 | 2.9667 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7328 | 1.5221 | 1.4632 | 1.5418 | 1.8813 | 1.7138 | 1.8612 | 0.8939 |
| | 1.3741 | 1.5587 | 1.6110 | 1.5262 | 1.2525 | 1.3754 | 1.2660 | 2.3997 |
| 9 | 1.5221 | 1.8124 | 1.7091 | 1.8390 | 1.6207 | 1.7083 | 1.8481 | 0.8907 |
| | 1.5587 | 1.3059 | 1.3819 | 1.2819 | 1.4530 | 1.3809 | 1.2764 | 2.4038 |
| 10 | 1.4632 | 1.7098 | 1.4399 | 1.4741 | 1.7371 | 1.6880 | 1.8646 | 0.7714 |
| | 1.6110 | 1.3813 | 1.6381 | 1.5998 | 1.3606 | 1.4027 | 1.2704 | 2.8079 |
| 11 | 1.5418 | 1.8400 | 1.4760 | 1.8034 | 1.4518 | 1.6854 | 1.7518 | 0.7212 |
| | 1.5262 | 1.2813 | 1.5978 | 1.3176 | 1.6364 | 1.4116 | 1.3566 | 2.9787 |
| 12 | 1.8813 | 1.6215 | 1.7407 | 1.4536 | 1.6222 | 1.8022 | 1.0862 | |
| | 1.2525 | 1.4523 | 1.3579 | 1.6341 | 1.4837 | 1.3332 | 2.0136 | |
| 13 | 1.7138 | 1.7111 | 1.6966 | 1.6937 | 1.8063 | 1.1842 | 0.5600 | |
| | 1.3754 | 1.3796 | 1.3957 | 1.4048 | 1.3302 | 1.8684 | 3.8677 | |
| 14 | 1.8612 | 1.8500 | 1.8791 | 1.7685 | 1.0930 | 0.5615 | | |
| | 1.2660 | 1.2752 | 1.2609 | 1.3440 | 2.0007 | 3.8573 | | |
| 15 | 0.8939 | 0.8124 | 0.8577 | 0.7387 | F-SUB-Q | | | |
| | 2.3997 | 2.6539 | 2.4910 | 2.9098 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7406 | 1.5205 | 1.4611 | 1.5422 | 1.8965 | 1.7241 | 1.8840 | 0.8833 |
| | 1.3372 | 1.5223 | 1.5712 | 1.4877 | 1.2141 | 1.3365 | 1.2225 | 2.3607 |
| 9 | 1.5205 | 1.8223 | 1.7132 | 1.8514 | 1.6223 | 1.7186 | 1.8709 | 0.8787 |
| | 1.5223 | 1.2674 | 1.3450 | 1.2430 | 1.4167 | 1.3416 | 1.2323 | 2.3698 |
| 10 | 1.4611 | 1.7140 | 1.4374 | 1.4723 | 1.7493 | 1.6998 | 1.8893 | 0.7566 |
| | 1.5712 | 1.3444 | 1.5978 | 1.5608 | 1.3191 | 1.3612 | 1.2253 | 2.7816 |
| 11 | 1.5422 | 1.8524 | 1.4743 | 1.8164 | 1.4525 | 1.7023 | 1.7745 | 0.7080 |
| | 1.4877 | 1.2424 | 1.5588 | 1.2775 | 1.5958 | 1.3650 | 1.3079 | 2.9453 |
| 12 | 1.8965 | 1.6232 | 1.7535 | 1.4544 | 1.6326 | 1.8232 | 1.0707 | |
| | 1.2141 | 1.4160 | 1.3165 | 1.5936 | 1.4402 | 1.2870 | 1.9896 | |
| 13 | 1.7241 | 1.7225 | 1.7089 | 1.7110 | 1.8275 | 1.1717 | 0.5488 | |
| | 1.3365 | 1.3403 | 1.3543 | 1.3582 | 1.2841 | 1.8434 | 3.8279 | |
| 14 | 1.8840 | 1.8732 | 1.9046 | 1.7919 | 1.0776 | 0.5502 | | |
| | 1.2225 | 1.2310 | 1.2159 | 1.2956 | 1.9769 | 3.8177 | | |
| 15 | 0.8833 | 0.7973 | 0.8456 | 0.7256 | F-SUB-Q | | | |
| | 2.3607 | 2.6277 | 2.4554 | 2.8767 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7260 | 1.5043 | 1.4457 | 1.5281 | 1.8867 | 1.7160 | 1.8810 | 0.8724 |
| | 1.2891 | 1.4706 | 1.5183 | 1.4358 | 1.1673 | 1.2855 | 1.1721 | 2.2879 |
| 9 | 1.5043 | 1.8085 | 1.6992 | 1.8396 | 1.6085 | 1.7105 | 1.8681 | 0.8682 |
| | 1.4706 | 1.2204 | 1.2964 | 1.1959 | 1.3664 | 1.2903 | 1.1813 | 2.2955 |
| 10 | 1.4457 | 1.7001 | 1.4216 | 1.4578 | 1.7390 | 1.6931 | 1.8883 | 0.7462 |
| | 1.5183 | 1.2958 | 1.5447 | 1.5071 | 1.2688 | 1.3077 | 1.1730 | 2.6982 |
| 11 | 1.5281 | 1.8406 | 1.4598 | 1.8056 | 1.4394 | 1.6965 | 1.7731 | 0.6986 |
| | 1.4358 | 1.1953 | 1.5052 | 1.2279 | 1.5386 | 1.3092 | 1.2513 | 2.8541 |
| 12 | 1.8867 | 1.6094 | 1.7438 | 1.4425 | 1.6246 | 1.8197 | 1.0585 | |
| | 1.1673 | 1.3657 | 1.2662 | 1.5364 | 1.3877 | 1.2349 | 1.9221 | |
| 13 | 1.7160 | 1.7153 | 1.7024 | 1.7054 | 1.8241 | 1.1595 | 0.5396 | |
| | 1.2855 | 1.2886 | 1.3009 | 1.3027 | 1.2318 | 1.7794 | 3.7173 | |
| 14 | 1.8810 | 1.8707 | 1.9041 | 1.7910 | 1.0654 | 0.5411 | | |
| | 1.1721 | 1.1799 | 1.1637 | 1.2393 | 1.9095 | 3.7072 | | |
| 15 | 0.8724 | 0.7847 | 0.8357 | 0.7162 | F-SUB-Q | | | |
| | 2.2879 | 2.5558 | 2.3772 | 2.7867 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6984 | 1.4789 | 1.4220 | 1.5041 | 1.8619 | 1.6956 | 1.8609 | 0.8605 |
| | 1.2559 | 1.4344 | 1.4811 | 1.3998 | 1.1348 | 1.2485 | 1.1369 | 2.2275 |
| 9 | 1.4789 | 1.7813 | 1.6744 | 1.8130 | 1.5844 | 1.6901 | 1.8481 | 0.8567 |
| | 1.4344 | 1.1883 | 1.2621 | 1.1639 | 1.3310 | 1.2532 | 1.1456 | 2.2338 |
| 10 | 1.4220 | 1.6753 | 1.3977 | 1.4342 | 1.7152 | 1.6736 | 1.8698 | 0.7380 |
| | 1.4811 | 1.2615 | 1.5074 | 1.4694 | 1.2344 | 1.2688 | 1.1357 | 2.6191 |
| 11 | 1.5041 | 1.8141 | 1.4362 | 1.7806 | 1.4171 | 1.6757 | 1.7547 | 0.6899 |
| | 1.3998 | 1.1633 | 1.4674 | 1.1934 | 1.4983 | 1.2703 | 1.2116 | 2.7730 |
| 12 | 1.8619 | 1.5852 | 1.7201 | 1.4211 | 1.6045 | 1.8000 | 1.0473 | |
| | 1.1348 | 1.3304 | 1.2316 | 1.4952 | 1.3454 | 1.1950 | 1.8612 | |
| 13 | 1.6956 | 1.6955 | 1.6831 | 1.6848 | 1.8045 | 1.1460 | 0.5318 | |
| | 1.2485 | 1.2507 | 1.2620 | 1.2637 | 1.1920 | 1.7236 | 3.6138 | |
| 14 | 1.8609 | 1.8511 | 1.8860 | 1.7729 | 1.0544 | 0.5333 | | |
| | 1.1369 | 1.1441 | 1.1264 | 1.1997 | 1.8487 | 3.6038 | | |
| 15 | 0.8605 | 0.7782 | 0.8262 | 0.7075 | F-SUB-Q | | | |
| | 2.2275 | 2.4748 | 2.3080 | 2.7065 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6528 | 1.4421 | 1.3878 | 1.4685 | 1.8165 | 1.6600 | 1.8188 | 0.8479 |
| | 1.3393 | 1.5274 | 1.5779 | 1.4908 | 1.2091 | 1.3259 | 1.2091 | 2.3523 |
| 9 | 1.4421 | 1.7348 | 1.6350 | 1.7665 | 1.5483 | 1.6546 | 1.8065 | 0.8456 |
| | 1.5274 | 1.2678 | 1.3435 | 1.2415 | 1.4161 | 1.3310 | 1.2182 | 2.3542 |
| 10 | 1.3878 | 1.6359 | 1.3634 | 1.4005 | 1.6724 | 1.6384 | 1.8294 | 0.7323 |
| | 1.5779 | 1.3428 | 1.6067 | 1.5640 | 1.3160 | 1.3465 | 1.2055 | 2.7454 |
| 11 | 1.4685 | 1.7676 | 1.4026 | 1.7360 | 1.3845 | 1.6360 | 1.7158 | 0.6837 |
| | 1.4908 | 1.2408 | 1.5618 | 1.2707 | 1.5932 | 1.3505 | 1.2860 | 2.9083 |
| 12 | 1.8165 | 1.5492 | 1.6774 | 1.3885 | 1.5692 | 1.7595 | 1.0373 | |
| | 1.2091 | 1.4153 | 1.3124 | 1.5888 | 1.4252 | 1.2665 | 1.9499 | |
| 13 | 1.6600 | 1.6601 | 1.6481 | 1.6451 | 1.7640 | 1.1319 | 0.5250 | |
| | 1.3259 | 1.3276 | 1.3389 | 1.3433 | 1.2632 | 1.8079 | 3.7986 | |
| 14 | 1.8188 | 1.8095 | 1.8456 | 1.7340 | 1.0444 | 0.5265 | | |
| | 1.2091 | 1.2164 | 1.1953 | 1.2730 | 1.9366 | 3.7878 | | |
| 15 | 0.8479 | 0.7720 | 0.8175 | 0.7013 | F-SUB-Q | | | |
| | 2.3523 | 2.5959 | 2.4260 | 2.8382 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6407 | 1.4238 | 1.3701 | 1.4509 | 1.8080 | 1.6479 | 1.8171 | 0.8248 |
| | 1.2891 | 1.4827 | 1.5375 | 1.4527 | 1.1693 | 1.2868 | 1.1655 | 2.3329 |
| 9 | 1.4238 | 1.7245 | 1.6201 | 1.7566 | 1.5301 | 1.6432 | 1.8047 | 0.8217 |
| | 1.4827 | 1.2238 | 1.3034 | 1.2007 | 1.3796 | 1.2908 | 1.1737 | 2.3368 |
| 10 | 1.3701 | 1.6211 | 1.3456 | 1.3814 | 1.6629 | 1.6274 | 1.8279 | 0.7060 |
| | 1.5375 | 1.3027 | 1.5654 | 1.5250 | 1.2714 | 1.3033 | 1.1590 | 2.7433 |
| 11 | 1.4509 | 1.7577 | 1.3836 | 1.7263 | 1.3679 | 1.6291 | 1.7131 | 0.6599 |
| | 1.4527 | 1.2000 | 1.5228 | 1.2250 | 1.5461 | 1.2998 | 1.2350 | 2.8989 |
| 12 | 1.8080 | 1.5309 | 1.6680 | 1.3719 | 1.5583 | 1.7560 | 1.0050 | |
| | 1.1693 | 1.3788 | 1.2677 | 1.5417 | 1.3680 | 1.2111 | 1.9272 | |
| 13 | 1.6479 | 1.6488 | 1.6372 | 1.6393 | 1.7606 | 1.1030 | 0.5065 | |
| | 1.2868 | 1.2864 | 1.2958 | 1.2918 | 1.2080 | 1.7705 | 3.7747 | |
| 14 | 1.8171 | 1.8080 | 1.8445 | 1.7315 | 1.0120 | 0.5079 | | |
| | 1.1655 | 1.1716 | 1.1489 | 1.2223 | 1.9138 | 3.7638 | | |
| 15 | 0.8248 | 0.7429 | 0.7928 | 0.6772 | F-SUB-Q | | | |
| | 2.3329 | 2.6019 | 2.4101 | 2.8276 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5970 | 1.3861 | 1.3351 | 1.4134 | 1.7638 | 1.6106 | 1.7765 | 0.8015 |
| | 1.2681 | 1.4609 | 1.5158 | 1.4328 | 1.1510 | 1.2648 | 1.1450 | 2.3092 |
| 9 | 1.3861 | 1.6809 | 1.5812 | 1.7119 | 1.4913 | 1.6060 | 1.7645 | 0.7986 |
| | 1.4609 | 1.2049 | 1.2825 | 1.1831 | 1.3597 | 1.2681 | 1.1527 | 2.3123 |
| 10 | 1.3351 | 1.5822 | 1.3111 | 1.3450 | 1.6210 | 1.5902 | 1.7871 | 0.6857 |
| | 1.5158 | 1.2817 | 1.5435 | 1.5046 | 1.2523 | 1.2805 | 1.1377 | 2.7159 |
| 11 | 1.4134 | 1.7130 | 1.3471 | 1.6832 | 1.3323 | 1.5884 | 1.6728 | 0.6406 |
| | 1.4328 | 1.1823 | 1.5023 | 1.2052 | 1.5231 | 1.2789 | 1.2134 | 2.8707 |
| 12 | 1.7638 | 1.4922 | 1.6260 | 1.3363 | 1.5223 | 1.7160 | 0.9772 | |
| | 1.1510 | 1.3590 | 1.2486 | 1.5187 | 1.3387 | 1.1862 | 1.9017 | |
| 13 | 1.6106 | 1.6116 | 1.5999 | 1.5998 | 1.7206 | 1.0747 | 0.4913 | |
| | 1.2648 | 1.2639 | 1.2730 | 1.2701 | 1.1832 | 1.7399 | 3.7352 | |
| 14 | 1.7765 | 1.7678 | 1.8037 | 1.6911 | 0.9841 | 0.4927 | | |
| | 1.1450 | 1.1507 | 1.1275 | 1.2006 | 1.8883 | 3.7244 | | |
| 15 | 0.8015 | 0.7217 | 0.7708 | 0.6576 | F-SUB-Q | | | |
| | 2.3092 | 2.5763 | 2.3834 | 2.7990 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5158 | 1.3258 | 1.2796 | 1.3524 | 1.6767 | 1.5432 | 1.6891 | 0.7768 |
| | 1.2895 | 1.4749 | 1.5283 | 1.4470 | 1.1696 | 1.2750 | 1.1632 | 2.3052 |
| 9 | 1.3258 | 1.5971 | 1.5136 | 1.6255 | 1.4283 | 1.5383 | 1.6780 | 0.7750 |
| | 1.4749 | 1.2245 | 1.2943 | 1.2036 | 1.3716 | 1.2785 | 1.1708 | 2.3054 |
| 10 | 1.2796 | 1.5146 | 1.2568 | 1.2881 | 1.5409 | 1.5223 | 1.6989 | 0.6706 |
| | 1.5283 | 1.2934 | 1.5559 | 1.5177 | 1.2724 | 1.2916 | 1.1553 | 2.6865 |
| 11 | 1.3524 | 1.6266 | 1.2901 | 1.6011 | 1.2752 | 1.5080 | 1.5873 | 0.6249 |
| | 1.4470 | 1.2029 | 1.5154 | 1.2235 | 1.5364 | 1.3003 | 1.2342 | 2.8462 |
| 12 | 1.6767 | 1.4291 | 1.5457 | 1.2790 | 1.4570 | 1.6322 | 0.9522 | |
| | 1.1696 | 1.3709 | 1.2686 | 1.5319 | 1.3481 | 1.2020 | 1.8846 | |
| 13 | 1.5432 | 1.5437 | 1.5317 | 1.5183 | 1.6366 | 1.0450 | 0.4795 | |
| | 1.2750 | 1.2742 | 1.2838 | 1.2918 | 1.1988 | 1.7256 | 3.6982 | |
| 14 | 1.6890 | 1.6808 | 1.7148 | 1.6049 | 0.9589 | 0.4809 | | |
| | 1.1632 | 1.1690 | 1.1448 | 1.2209 | 1.8711 | 3.6875 | | |
| 15 | 0.7768 | 0.7074 | 0.7505 | 0.6416 | F-SUB-Q | | | |
| | 2.3052 | 2.5430 | 2.3677 | 2.7741 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4558 | 1.2778 | 1.2334 | 1.3027 | 1.6107 | 1.4892 | 1.6250 | 0.7375 |
| | 1.3048 | 1.4874 | 1.5420 | 1.4607 | 1.1834 | 1.2841 | 1.1751 | 2.3636 |
| 9 | 1.2778 | 1.5325 | 1.4600 | 1.5608 | 1.3764 | 1.4852 | 1.6146 | 0.7346 |
| | 1.4874 | 1.2403 | 1.3041 | 1.2184 | 1.3838 | 1.2868 | 1.1824 | 2.3670 |
| 10 | 1.2334 | 1.4610 | 1.2123 | 1.2410 | 1.4824 | 1.4697 | 1.6329 | 0.6299 |
| | 1.5420 | 1.3033 | 1.5687 | 1.5325 | 1.2854 | 1.2997 | 1.1676 | 2.7836 |
| 11 | 1.3027 | 1.5618 | 1.2430 | 1.5404 | 1.2303 | 1.4486 | 1.5231 | 0.5876 |
| | 1.4607 | 1.2176 | 1.5302 | 1.2352 | 1.5473 | 1.3150 | 1.2494 | 2.9459 |
| 12 | 1.6107 | 1.3773 | 1.4870 | 1.2340 | 1.4084 | 1.5705 | 0.8988 | |
| | 1.1834 | 1.3830 | 1.2816 | 1.5428 | 1.3539 | 1.2126 | 1.9407 | |
| 13 | 1.4892 | 1.4904 | 1.4787 | 1.4586 | 1.5747 | 0.9925 | 0.4528 | |
| | 1.2841 | 1.2825 | 1.2920 | 1.3063 | 1.2095 | 1.7650 | 3.8109 | |
| 14 | 1.6250 | 1.6172 | 1.6483 | 1.5401 | 0.9051 | 0.4541 | | |
| | 1.1751 | 1.1807 | 1.1569 | 1.2358 | 1.9268 | 3.7999 | | |
| 15 | 0.7375 | 0.6652 | 0.7095 | 0.6036 | F-SUB-Q | | | |
| | 2.3636 | 2.6325 | 2.4377 | 2.8699 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3504 | 1.1922 | 1.1362 | 1.2113 | 1.4797 | 1.3728 | 1.4825 | 0.6896 |
| | 1.3755 | 1.5591 | 1.6377 | 1.5365 | 1.2592 | 1.3620 | 1.2596 | 2.4762 |
| 9 | 1.1922 | 1.4077 | 1.3449 | 1.4358 | 1.2811 | 1.3690 | 1.4730 | 0.6871 |
| | 1.5591 | 1.3205 | 1.3847 | 1.2954 | 1.4540 | 1.3648 | 1.2675 | 2.4792 |
| 10 | 1.1362 | 1.3458 | 1.1176 | 1.1592 | 1.3744 | 1.3571 | 1.4905 | 0.5849 |
| | 1.6377 | 1.3838 | 1.6651 | 1.6053 | 1.3557 | 1.3761 | 1.2506 | 2.9367 |
| 11 | 1.2113 | 1.4367 | 1.1610 | 1.4248 | 1.1533 | 1.3433 | 1.3980 | 0.5453 |
| | 1.5365 | 1.2946 | 1.6029 | 1.3062 | 1.6142 | 1.3865 | 1.3308 | 3.1107 |
| 12 | 1.4797 | 1.2818 | 1.3785 | 1.1567 | 1.3021 | 1.4375 | 0.8403 | |
| | 1.2592 | 1.4532 | 1.3518 | 1.6096 | 1.4315 | 1.2949 | 2.0313 | |
| 13 | 1.3728 | 1.3736 | 1.3653 | 1.3508 | 1.4413 | 0.9173 | 0.4190 | |
| | 1.3620 | 1.3603 | 1.3680 | 1.3789 | 1.2915 | 1.8683 | 4.0364 | |
| 14 | 1.4825 | 1.4750 | 1.5043 | 1.4133 | 0.8461 | 0.4202 | | |
| | 1.2596 | 1.2658 | 1.2393 | 1.3166 | 2.0171 | 4.0249 | | |
| 15 | 0.6896 | 0.6197 | 0.6614 | 0.5599 | F-SUB-Q | | | |
| | 2.4762 | 2.7686 | 2.5618 | 3.0315 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 50 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2867 | 0.9969 | 0.9197 | 1.0035 | 1.3466 | 1.1120 | 1.3058 | 0.5812 |
| | 1.4197 | 1.8341 | 1.9918 | 1.8250 | 1.3602 | 1.6540 | 1.4063 | 2.8966 |
| 9 | 0.9969 | 1.2842 | 1.1021 | 1.3227 | 1.0681 | 1.1095 | 1.3004 | 0.5832 |
| | 1.8341 | 1.4234 | 1.6618 | 1.3837 | 1.7160 | 1.6569 | 1.4120 | 2.8796 |
| 10 | 0.9197 | 1.1028 | 0.9005 | 0.9711 | 1.3016 | 1.1023 | 1.2766 | 0.4910 |
| | 1.9918 | 1.6606 | 2.0345 | 1.8850 | 1.4079 | 1.6666 | 1.4371 | 3.4500 |
| 11 | 1.0035 | 1.3235 | 0.9724 | 1.3133 | 0.9739 | 1.2785 | 1.1952 | 0.4572 |
| | 1.8250 | 1.3829 | 1.8824 | 1.3939 | 1.8806 | 1.4325 | 1.5321 | 3.6590 |
| 12 | 1.3466 | 1.0687 | 1.3050 | 0.9767 | 1.0696 | 1.2292 | 0.7189 | |
| | 1.3602 | 1.7151 | 1.4043 | 1.8754 | 1.7146 | 1.4901 | 2.3395 | |
| 13 | 1.1120 | 1.1131 | 1.1087 | 1.2845 | 1.2328 | 0.7582 | 0.3454 | |
| | 1.6540 | 1.6516 | 1.6571 | 1.4260 | 1.4858 | 2.2267 | 4.8323 | |
| 14 | 1.3058 | 1.3005 | 1.2873 | 1.2074 | 0.7236 | 0.3463 | | |
| | 1.4063 | 1.4118 | 1.4253 | 1.5168 | 2.3238 | 4.8187 | | |
| 15 | 0.5812 | 0.5232 | 0.5567 | 0.4682 | F-SUB-Q | | | |
| | 2.8966 | 3.2333 | 3.0005 | 3.5749 | M-SUB-Q | | | |

AT 100% POWER, 50 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5034 | 0.4262 | 0.3975 | 0.4364 | 0.5206 | 0.4359 | 0.4695 | 0.2420 |
| | 3.5947 | 4.2500 | 4.5636 | 4.1573 | 3.4861 | 4.1719 | 3.8744 | 6.9032 |
| 9 | 0.4262 | 0.4945 | 0.4350 | 0.5076 | 0.4518 | 0.4325 | 0.4673 | 0.2420 |
| | 4.2500 | 3.6633 | 4.1699 | 3.5719 | 4.0179 | 4.2063 | 3.8924 | 6.8852 |
| 10 | 0.3975 | 0.4353 | 0.3890 | 0.4252 | 0.5071 | 0.4359 | 0.4561 | 0.2210 |
| | 4.5636 | 4.1673 | 4.6643 | 4.2656 | 3.5770 | 4.1663 | 3.9849 | 7.6081 |
| 11 | 0.4364 | 0.5080 | 0.4258 | 0.4923 | 0.4257 | 0.4891 | 0.4270 | 0.1951 |
| | 4.1573 | 3.5696 | 4.2596 | 3.6831 | 4.2631 | 3.7105 | 4.2511 | 8.5108 |
| 12 | 0.5206 | 0.4520 | 0.5082 | 0.4269 | 0.4145 | 0.4420 | 0.2966 | |
| | 3.4861 | 4.0157 | 3.5693 | 4.2515 | 4.3812 | 4.1067 | 5.6248 | |
| 13 | 0.4359 | 0.4338 | 0.4376 | 0.4913 | 0.4433 | 0.3069 | 0.1509 | |
| | 4.1719 | 4.1931 | 4.1498 | 3.6937 | 4.0946 | 5.4545 | *10.9798 | |
| 14 | 0.4695 | 0.4674 | 0.4597 | 0.4313 | 0.2985 | 0.1513 | | |
| | 3.8744 | 3.8911 | 3.9534 | 4.2097 | 5.5875 | *10.9483 | | |
| 15 | 0.2420 | 0.2317 | 0.2324 | 0.2003 | F-SUB-Q | | | |
| | 6.9032 | 7.2455 | 7.1344 | 8.2958 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4271 | 0.4240 | 0.4193 | 0.4488 | 0.5124 | 0.4426 | 0.4475 | 0.2503 |
| | 3.6442 | 4.2071 | 4.4873 | 4.0724 | 3.5422 | 4.0769 | 3.9995 | 6.4636 |
| 9 | 0.4240 | 0.4915 | 0.4459 | 0.5069 | 0.4626 | 0.4382 | 0.4455 | 0.2504 |
| | 4.2071 | 3.7779 | 4.2021 | 3.6242 | 3.9454 | 4.1365 | 4.0365 | 6.4608 |
| 10 | 0.4193 | 0.4461 | 0.4130 | 0.4388 | 0.5014 | 0.4361 | 0.4330 | 0.2262 |
| | 4.4873 | 4.2011 | 4.5615 | 4.2590 | 3.7348 | 4.2852 | 4.2568 | 7.3173 |
| 11 | 0.4488 | 0.5070 | 0.4390 | 0.4824 | 0.4293 | 0.4675 | 0.4090 | 0.2050 |
| | 4.0724 | 3.6234 | 4.2566 | 3.8425 | 4.3007 | 3.9328 | 4.5552 | 8.2652 |
| 12 | 0.5124 | 0.4627 | 0.5017 | 0.4296 | 0.3858 | 0.4040 | 0.2927 | |
| | 3.5422 | 3.9444 | 3.7320 | 4.2976 | 4.3486 | 4.2713 | 5.6532 | |
| 13 | 0.4426 | 0.4383 | 0.4367 | 0.4686 | 0.4047 | 0.2917 | 0.1631 | |
| | 4.0769 | 4.1352 | 4.2784 | 3.9250 | 4.2650 | 5.2823 | 9.7774 | |
| 14 | 0.4475 | 0.4450 | 0.4345 | 0.4111 | 0.2939 | 0.1634 | | |
| | 3.9995 | 4.0421 | 4.2421 | 4.5326 | 5.6304 | 9.7606 | | |
| 15 | 0.2503 | 0.2350 | 0.2377 | 0.2091 | F-SUB-Q | | | |
| | 6.4636 | 6.9217 | 6.8836 | 8.1044 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1164 | 0.9444 | 0.9007 | 0.9598 | 1.1914 | 1.0215 | 1.1106 | 0.5807 |
| | 1.6083 | 1.9689 | 2.1331 | 1.9467 | 1.5601 | 1.8059 | 1.6481 | 2.8508 |
| 9 | 0.9444 | 1.1509 | 1.0327 | 1.1821 | 1.0083 | 1.0088 | 1.1064 | 0.5800 |
| | 1.9689 | 1.6399 | 1.8541 | 1.5868 | 1.8498 | 1.8380 | 1.6617 | 2.8603 |
| 10 | 0.9007 | 1.0328 | 0.8893 | 0.9376 | 1.1663 | 1.0059 | 1.0803 | 0.4927 |
| | 2.1331 | 1.8538 | 2.1693 | 2.0363 | 1.6392 | 1.8967 | 1.7410 | 3.4341 |
| 11 | 0.9598 | 1.1824 | 0.9381 | 1.1656 | 0.9224 | 1.1084 | 1.0221 | 0.4671 |
| | 1.9467 | 1.5865 | 2.0352 | 1.6229 | 2.0417 | 1.6928 | 1.8422 | 3.6961 |
| 12 | 1.1914 | 1.0085 | 1.1670 | 0.9230 | 0.9315 | 1.0399 | 0.6852 | |
| | 1.5601 | 1.8493 | 1.6382 | 2.0404 | 1.8940 | 1.7398 | 2.4682 | |
| 13 | 1.0215 | 1.0090 | 1.0074 | 1.1107 | 1.0414 | 0.7149 | 0.3703 | |
| | 1.8059 | 1.8375 | 1.8938 | 1.6898 | 1.7376 | 2.2786 | 4.4188 | |
| 14 | 1.1106 | 1.1046 | 1.0841 | 1.0277 | 0.6879 | 0.3710 | | |
| | 1.6481 | 1.6644 | 1.7346 | 1.8326 | 2.4587 | 4.4116 | | |
| 15 | 0.5807 | 0.5199 | 0.5488 | 0.4752 | F-SUB-Q | | | |
| | 2.8508 | 3.2006 | 3.0482 | 3.6360 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2828 | 1.1626 | 1.1099 | 1.1718 | 1.3591 | 1.2511 | 1.2899 | 0.7088 |
| | 1.4865 | 1.6570 | 1.7601 | 1.6199 | 1.3851 | 1.4974 | 1.4414 | 2.3708 |
| 9 | 1.1626 | 1.3198 | 1.2617 | 1.3434 | 1.2243 | 1.2381 | 1.2824 | 0.7049 |
| | 1.6570 | 1.4683 | 1.5439 | 1.4183 | 1.5468 | 1.5130 | 1.4595 | 2.3836 |
| 10 | 1.1099 | 1.2617 | 1.1001 | 1.1381 | 1.2895 | 1.2256 | 1.2833 | 0.6083 |
| | 1.7601 | 1.5438 | 1.7823 | 1.7053 | 1.5023 | 1.5722 | 1.4872 | 2.8229 |
| 11 | 1.1718 | 1.3437 | 1.1387 | 1.3243 | 1.1206 | 1.2310 | 1.2203 | 0.5734 |
| | 1.6199 | 1.4179 | 1.7043 | 1.4554 | 1.7155 | 1.5555 | 1.5703 | 3.0557 |
| 12 | 1.3591 | 1.2246 | 1.2903 | 1.1214 | 1.1785 | 1.2557 | 0.8376 | |
| | 1.3851 | 1.5464 | 1.5012 | 1.7143 | 1.5781 | 1.4854 | 2.0594 | |
| 13 | 1.2511 | 1.2385 | 1.2275 | 1.2340 | 1.2575 | 0.8936 | 0.4625 | |
| | 1.4974 | 1.5134 | 1.5684 | 1.5523 | 1.4837 | 1.8945 | 3.6210 | |
| 14 | 1.2899 | 1.2817 | 1.2890 | 1.2277 | 0.8411 | 0.4633 | | |
| | 1.4414 | 1.4604 | 1.4822 | 1.5611 | 2.0510 | 3.6150 | | |
| 15 | 0.7088 | 0.6406 | 0.6711 | 0.5849 | F-SUB-Q | | | |
| | 2.3708 | 2.6374 | 2.5303 | 2.9976 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4710 | 1.2982 | 1.2378 | 1.3066 | 1.5538 | 1.4007 | 1.4810 | 0.7740 |
| | 1.3341 | 1.5225 | 1.6044 | 1.4766 | 1.2291 | 1.3551 | 1.2741 | 2.2053 |
| 9 | 1.2982 | 1.5091 | 1.4174 | 1.5345 | 1.3677 | 1.3945 | 1.4732 | 0.7679 |
| | 1.5225 | 1.3132 | 1.3965 | 1.2615 | 1.4069 | 1.3629 | 1.2891 | 2.2223 |
| 10 | 1.2378 | 1.4175 | 1.2258 | 1.2660 | 1.4720 | 1.3767 | 1.4788 | 0.6628 |
| | 1.6044 | 1.3964 | 1.6258 | 1.5579 | 1.3367 | 1.4142 | 1.3089 | 2.6310 |
| 11 | 1.3066 | 1.5348 | 1.2668 | 1.5136 | 1.2493 | 1.4129 | 1.4051 | 0.6255 |
| | 1.4766 | 1.2612 | 1.5569 | 1.2982 | 1.5712 | 1.3832 | 1.3892 | 2.8476 |
| 12 | 1.5538 | 1.3680 | 1.4731 | 1.2503 | 1.3352 | 1.4487 | 0.9201 | |
| | 1.2291 | 1.4065 | 1.3353 | 1.5701 | 1.4282 | 1.3177 | 1.9155 | |
| 13 | 1.4007 | 1.3943 | 1.3807 | 1.4167 | 1.4510 | 0.9914 | 0.5031 | |
| | 1.3551 | 1.3632 | 1.4105 | 1.3796 | 1.3161 | 1.7522 | 3.4074 | |
| 14 | 1.4810 | 1.4725 | 1.4856 | 1.4140 | 0.9240 | 0.5040 | | |
| | 1.2741 | 1.2897 | 1.3042 | 1.3807 | 1.9072 | 3.4015 | | |
| 15 | 0.7740 | 0.6941 | 0.7321 | 0.6381 | F-SUB-Q | | | |
| | 2.2053 | 2.4719 | 2.3546 | 2.7907 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5783 | 1.3696 | 1.3001 | 1.3797 | 1.6652 | 1.4803 | 1.5882 | 0.8176 |
| | 1.2748 | 1.4789 | 1.5557 | 1.4245 | 1.1681 | 1.3005 | 1.2086 | 2.1254 |
| 9 | 1.3696 | 1.6134 | 1.4972 | 1.6431 | 1.4451 | 1.4779 | 1.5804 | 0.8128 |
| | 1.4789 | 1.2574 | 1.3457 | 1.1994 | 1.3559 | 1.3082 | 1.2220 | 2.1374 |
| 10 | 1.3001 | 1.4973 | 1.2863 | 1.3360 | 1.5782 | 1.4640 | 1.5932 | 0.7035 |
| | 1.5557 | 1.3455 | 1.5775 | 1.5016 | 1.2683 | 1.3522 | 1.2347 | 2.5213 |
| 11 | 1.3797 | 1.6434 | 1.3369 | 1.6228 | 1.3215 | 1.5247 | 1.5184 | 0.6629 |
| | 1.4245 | 1.1991 | 1.5006 | 1.2389 | 1.5205 | 1.3107 | 1.3135 | 2.7291 |
| 12 | 1.6652 | 1.4455 | 1.5794 | 1.3226 | 1.4195 | 1.5608 | 0.9817 | |
| | 1.1681 | 1.3555 | 1.2667 | 1.5193 | 1.3766 | 1.2535 | 1.8378 | |
| 13 | 1.4803 | 1.4784 | 1.4683 | 1.5289 | 1.5633 | 1.0522 | 0.5292 | |
| | 1.3005 | 1.3083 | 1.3479 | 1.3071 | 1.2516 | 1.6931 | 3.3229 | |
| 14 | 1.5882 | 1.5799 | 1.6009 | 1.5282 | 0.9861 | 0.5302 | | |
| | 1.2086 | 1.2224 | 1.2300 | 1.3052 | 1.8297 | 3.3170 | | |
| 15 | 0.8176 | 0.7361 | 0.7755 | 0.6763 | F-SUB-Q | | | |
| | 2.1254 | 2.3732 | 2.2611 | 2.6745 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6401 | 1.4111 | 1.3353 | 1.4234 | 1.7318 | 1.5323 | 1.6544 | 0.8485 |
| | 1.2564 | 1.4697 | 1.5456 | 1.4106 | 1.1474 | 1.2822 | 1.1843 | 2.0918 |
| 9 | 1.4111 | 1.6731 | 1.5432 | 1.7075 | 1.4923 | 1.5305 | 1.6465 | 0.8451 |
| | 1.4697 | 1.2402 | 1.3310 | 1.1783 | 1.3406 | 1.2895 | 1.1949 | 2.0994 |
| 10 | 1.3353 | 1.5434 | 1.3200 | 1.3788 | 1.6431 | 1.5196 | 1.6660 | 0.7345 |
| | 1.5456 | 1.3308 | 1.5681 | 1.4830 | 1.2414 | 1.3264 | 1.2028 | 2.4629 |
| 11 | 1.4234 | 1.7079 | 1.3798 | 1.6895 | 1.3670 | 1.5955 | 1.5916 | 0.6917 |
| | 1.4106 | 1.1780 | 1.4819 | 1.2153 | 1.5012 | 1.2782 | 1.2771 | 2.6600 |
| 12 | 1.7318 | 1.4927 | 1.6446 | 1.3682 | 1.4724 | 1.6314 | 1.0269 | |
| | 1.1474 | 1.3402 | 1.2397 | 1.4996 | 1.3609 | 1.2294 | 1.7986 | |
| 13 | 1.5323 | 1.5322 | 1.5243 | 1.6001 | 1.6341 | 1.0946 | 0.5481 | |
| | 1.2822 | 1.2895 | 1.3221 | 1.2745 | 1.2274 | 1.6726 | 3.2966 | |
| 14 | 1.6544 | 1.6461 | 1.6743 | 1.6020 | 1.0315 | 0.5491 | | |
| | 1.1843 | 1.1961 | 1.1980 | 1.2688 | 1.7904 | 3.2905 | | |
| 15 | 0.8485 | 0.7683 | 0.8080 | 0.7056 | F-SUB-Q | | | |
| | 2.0918 | 2.3220 | 2.2132 | 2.6070 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6985 | 1.4479 | 1.3667 | 1.4627 | 1.7962 | 1.5821 | 1.7201 | 0.8683 |
| | 1.2392 | 1.4614 | 1.5439 | 1.4071 | 1.1340 | 1.2724 | 1.1665 | 2.0950 |
| 9 | 1.4479 | 1.7300 | 1.5860 | 1.7697 | 1.5354 | 1.5815 | 1.7130 | 0.8642 |
| | 1.4614 | 1.2220 | 1.3241 | 1.1644 | 1.3352 | 1.2787 | 1.1734 | 2.1035 |
| 10 | 1.3667 | 1.5862 | 1.3504 | 1.4172 | 1.7070 | 1.5727 | 1.7380 | 0.7499 |
| | 1.5439 | 1.3239 | 1.5653 | 1.4748 | 1.2197 | 1.3079 | 1.1776 | 2.4671 |
| 11 | 1.4627 | 1.7702 | 1.4183 | 1.7544 | 1.4085 | 1.6647 | 1.6629 | 0.7065 |
| | 1.4071 | 1.1640 | 1.4736 | 1.1917 | 1.4833 | 1.2469 | 1.2410 | 2.6483 |
| 12 | 1.7962 | 1.5358 | 1.7093 | 1.4098 | 1.5232 | 1.7002 | 1.0542 | |
| | 1.1340 | 1.3348 | 1.2179 | 1.4809 | 1.3490 | 1.2093 | 1.7912 | |
| 13 | 1.5821 | 1.5835 | 1.5778 | 1.6696 | 1.7032 | 1.1214 | 0.5574 | |
| | 1.2724 | 1.2786 | 1.3035 | 1.2431 | 1.2073 | 1.6745 | 3.3251 | |
| 14 | 1.7201 | 1.7120 | 1.7469 | 1.6739 | 1.0589 | 0.5585 | | |
| | 1.1665 | 1.1745 | 1.1726 | 1.2328 | 1.7828 | 3.3188 | | |
| 15 | 0.8683 | 0.7845 | 0.8270 | 0.7207 | F-SUB-Q | | | |
| | 2.0950 | 2.3304 | 2.2112 | 2.5961 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7331 | 1.4694 | 1.3848 | 1.4870 | 1.8369 | 1.6150 | 1.7639 | 0.8829 |
| | 1.2439 | 1.4754 | 1.5585 | 1.4241 | 1.1413 | 1.2823 | 1.1684 | 2.1199 |
| 9 | 1.4694 | 1.7637 | 1.6119 | 1.8085 | 1.5629 | 1.6158 | 1.7595 | 0.8790 |
| | 1.4754 | 1.2285 | 1.3344 | 1.1713 | 1.3495 | 1.2875 | 1.1742 | 2.1271 |
| 10 | 1.3848 | 1.6122 | 1.3676 | 1.4416 | 1.7486 | 1.6087 | 1.7869 | 0.7630 |
| | 1.5585 | 1.3342 | 1.5787 | 1.4853 | 1.2163 | 1.3087 | 1.1734 | 2.4883 |
| 11 | 1.4870 | 1.8090 | 1.4427 | 1.7962 | 1.4353 | 1.7109 | 1.7115 | 0.7189 |
| | 1.4241 | 1.1710 | 1.4840 | 1.1925 | 1.4883 | 1.2417 | 1.2344 | 2.6509 |
| 12 | 1.8369 | 1.5633 | 1.7511 | 1.4368 | 1.5572 | 1.7467 | 1.0761 | |
| | 1.1413 | 1.3491 | 1.2145 | 1.4858 | 1.3490 | 1.2026 | 1.7925 | |
| 13 | 1.6150 | 1.6180 | 1.6142 | 1.7162 | 1.7498 | 1.1422 | 0.5647 | |
| | 1.2823 | 1.2873 | 1.3041 | 1.2379 | 1.2005 | 1.6833 | 3.3510 | |
| 14 | 1.7639 | 1.7581 | 1.7964 | 1.7232 | 1.0811 | 0.5658 | | |
| | 1.1684 | 1.1752 | 1.1670 | 1.2261 | 1.7840 | 3.3445 | | |
| 15 | 0.8829 | 0.7981 | 0.8422 | 0.7335 | F-SUB-Q | | | |
| | 2.1199 | 2.3565 | 2.2280 | 2.5987 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7646 | 1.4871 | 1.4002 | 1.5075 | 1.8747 | 1.6444 | 1.8070 | 0.8926 |
| | 1.2679 | 1.5097 | 1.5850 | 1.4516 | 1.1560 | 1.3013 | 1.1784 | 2.1666 |
| 9 | 1.4871 | 1.7945 | 1.6350 | 1.8444 | 1.5864 | 1.6464 | 1.8028 | 0.8873 |
| | 1.5097 | 1.2454 | 1.3534 | 1.1858 | 1.3738 | 1.3055 | 1.1831 | 2.1766 |
| 10 | 1.4002 | 1.6353 | 1.3824 | 1.4617 | 1.7876 | 1.6407 | 1.8322 | 0.7703 |
| | 1.5850 | 1.3531 | 1.6053 | 1.5070 | 1.2221 | 1.3187 | 1.1757 | 2.5392 |
| 11 | 1.5075 | 1.8449 | 1.4630 | 1.8349 | 1.4587 | 1.7535 | 1.7558 | 0.7263 |
| | 1.4516 | 1.1854 | 1.5057 | 1.2011 | 1.5088 | 1.2463 | 1.2320 | 2.6893 |
| 12 | 1.8747 | 1.5868 | 1.7906 | 1.4613 | 1.5877 | 1.7895 | 1.0890 | |
| | 1.1560 | 1.3734 | 1.2201 | 1.5061 | 1.3699 | 1.2128 | 1.8276 | |
| 13 | 1.6444 | 1.6489 | 1.6464 | 1.7591 | 1.7929 | 1.1564 | 0.5686 | |
| | 1.3013 | 1.3042 | 1.3139 | 1.2422 | 1.2106 | 1.7183 | 3.4316 | |
| 14 | 1.8070 | 1.8015 | 1.8422 | 1.7681 | 1.0941 | 0.5697 | | |
| | 1.1784 | 1.1840 | 1.1691 | 1.2233 | 1.8189 | 3.4250 | | |
| 15 | 0.8926 | 0.8058 | 0.8519 | 0.7412 | F-SUB-Q | | | |
| | 2.1666 | 2.4108 | 2.2692 | 2.6363 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7534 | 1.4802 | 1.3938 | 1.5036 | 1.8686 | 1.6447 | 1.8065 | 0.9023 |
| | 1.3185 | 1.5636 | 1.6486 | 1.5101 | 1.2042 | 1.3506 | 1.2234 | 2.2240 |
| 9 | 1.4802 | 1.7835 | 1.6288 | 1.8370 | 1.5847 | 1.6478 | 1.8026 | 0.9008 |
| | 1.5636 | 1.2929 | 1.4059 | 1.2349 | 1.4276 | 1.3516 | 1.2272 | 2.2240 |
| 10 | 1.3938 | 1.6292 | 1.3754 | 1.4599 | 1.7834 | 1.6433 | 1.8339 | 0.7860 |
| | 1.6486 | 1.4055 | 1.6696 | 1.5616 | 1.2669 | 1.3599 | 1.2127 | 2.5750 |
| 11 | 1.5036 | 1.8376 | 1.4612 | 1.8309 | 1.4602 | 1.7532 | 1.7586 | 0.7405 |
| | 1.5101 | 1.2345 | 1.5602 | 1.2400 | 1.5509 | 1.2828 | 1.2671 | 2.7219 |
| 12 | 1.8686 | 1.5852 | 1.7865 | 1.4629 | 1.5888 | 1.7907 | 1.1093 | |
| | 1.2042 | 1.4272 | 1.2647 | 1.5481 | 1.4188 | 1.2545 | 1.8469 | |
| 13 | 1.6447 | 1.6505 | 1.6492 | 1.7590 | 1.7941 | 1.1721 | 0.5770 | |
| | 1.3506 | 1.3495 | 1.3549 | 1.2786 | 1.2521 | 1.7611 | 3.4990 | |
| 14 | 1.8065 | 1.8014 | 1.8443 | 1.7711 | 1.1146 | 0.5781 | | |
| | 1.2234 | 1.2280 | 1.2058 | 1.2581 | 1.8379 | 3.4919 | | |
| 15 | 0.9023 | 0.8222 | 0.8658 | 0.7554 | F-SUB-Q | | | |
| | 2.2240 | 2.4509 | 2.3104 | 2.6692 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7880 | 1.4967 | 1.4078 | 1.5226 | 1.9101 | 1.6741 | 1.8538 | 0.9031 |
| | 1.3424 | 1.6061 | 1.6973 | 1.5560 | 1.2289 | 1.3834 | 1.2427 | 2.3144 |
| 9 | 1.4967 | 1.8178 | 1.6520 | 1.8765 | 1.6060 | 1.6782 | 1.8501 | 0.8991 |
| | 1.6061 | 1.3184 | 1.4418 | 1.2601 | 1.4692 | 1.3813 | 1.2457 | 2.3201 |
| 10 | 1.4078 | 1.6525 | 1.3889 | 1.4773 | 1.8254 | 1.6749 | 1.8833 | 0.7813 |
| | 1.6973 | 1.4414 | 1.7196 | 1.6049 | 1.2855 | 1.3858 | 1.2261 | 2.6927 |
| 11 | 1.5226 | 1.8771 | 1.4787 | 1.8724 | 1.4815 | 1.7990 | 1.8067 | 0.7359 |
| | 1.5560 | 1.2597 | 1.6034 | 1.2597 | 1.5866 | 1.2971 | 1.2798 | 2.8376 |
| 12 | 1.9101 | 1.6065 | 1.8287 | 1.4843 | 1.6193 | 1.8372 | 1.1094 | |
| | 1.2289 | 1.4687 | 1.2833 | 1.5837 | 1.4399 | 1.2649 | 1.9115 | |
| 13 | 1.6741 | 1.6811 | 1.6812 | 1.8053 | 1.8408 | 1.1745 | 0.5726 | |
| | 1.3834 | 1.3790 | 1.3806 | 1.2927 | 1.2624 | 1.8146 | 3.6359 | |
| 14 | 1.8538 | 1.8495 | 1.8944 | 1.8199 | 1.1149 | 0.5738 | | |
| | 1.2427 | 1.2465 | 1.2190 | 1.2706 | 1.9020 | 3.6286 | | |
| 15 | 0.9031 | 0.8172 | 0.8648 | 0.7513 | F-SUB-Q | | | |
| | 2.3144 | 2.5682 | 2.4043 | 2.7806 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7922 | 1.4961 | 1.4066 | 1.5245 | 1.9202 | 1.6824 | 1.8694 | 0.9047 |
| | 1.3617 | 1.6294 | 1.7208 | 1.5851 | 1.2605 | 1.4375 | 1.2886 | 2.4133 |
| 9 | 1.4961 | 1.8225 | 1.6544 | 1.8850 | 1.6097 | 1.6874 | 1.8659 | 0.9018 |
| | 1.6294 | 1.3373 | 1.4655 | 1.2852 | 1.5025 | 1.4349 | 1.2910 | 2.4159 |
| 10 | 1.4066 | 1.6549 | 1.3872 | 1.4794 | 1.8363 | 1.6853 | 1.9014 | 0.7838 |
| | 1.7208 | 1.4650 | 1.7459 | 1.6380 | 1.3231 | 1.4366 | 1.2665 | 2.7995 |
| 11 | 1.5245 | 1.8857 | 1.4809 | 1.8832 | 1.4870 | 1.8141 | 1.8247 | 0.7376 |
| | 1.5851 | 1.2847 | 1.6364 | 1.2956 | 1.6409 | 1.3415 | 1.3193 | 2.9446 |
| 12 | 1.9202 | 1.6102 | 1.8398 | 1.4899 | 1.6292 | 1.8535 | 1.1153 | |
| | 1.2605 | 1.5020 | 1.3207 | 1.6377 | 1.4906 | 1.3058 | 1.9797 | |
| 13 | 1.6824 | 1.6906 | 1.6919 | 1.8206 | 1.8573 | 1.1789 | 0.5722 | |
| | 1.4375 | 1.4324 | 1.4312 | 1.3368 | 1.3033 | 1.8805 | 3.7797 | |
| 14 | 1.8694 | 1.8664 | 1.9129 | 1.8384 | 1.1208 | 0.5734 | | |
| | 1.2886 | 1.2908 | 1.2590 | 1.3096 | 1.9700 | 3.7721 | | |
| 15 | 0.9047 | 0.8197 | 0.8678 | 0.7532 | F-SUB-Q | | | |
| | 2.4133 | 2.6740 | 2.4990 | 2.8851 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7691 | 1.4796 | 1.3915 | 1.5111 | 1.9017 | 1.6720 | 1.8571 | 0.9062 |
| | 1.3510 | 1.6089 | 1.6966 | 1.5603 | 1.2420 | 1.4121 | 1.2715 | 2.3671 |
| 9 | 1.4796 | 1.8003 | 1.6384 | 1.8656 | 1.5969 | 1.6779 | 1.8539 | 0.9055 |
| | 1.6089 | 1.3216 | 1.4434 | 1.2669 | 1.4777 | 1.4106 | 1.2748 | 2.3639 |
| 10 | 1.3915 | 1.6390 | 1.3717 | 1.4670 | 1.8190 | 1.6768 | 1.8914 | 0.7911 |
| | 1.6966 | 1.4429 | 1.7224 | 1.6115 | 1.3038 | 1.4151 | 1.2557 | 2.7313 |
| 11 | 1.5111 | 1.8663 | 1.4685 | 1.8665 | 1.4776 | 1.8009 | 1.8157 | 0.7446 |
| | 1.5603 | 1.2665 | 1.6098 | 1.2765 | 1.6118 | 1.3251 | 1.3128 | 2.8867 |
| 12 | 1.9017 | 1.5975 | 1.8226 | 1.4807 | 1.6204 | 1.8429 | 1.1233 | |
| | 1.2420 | 1.4773 | 1.3013 | 1.6086 | 1.4873 | 1.3055 | 1.9466 | |
| 13 | 1.6720 | 1.6812 | 1.6836 | 1.8076 | 1.8468 | 1.1840 | 0.5747 | |
| | 1.4121 | 1.4079 | 1.4096 | 1.3204 | 1.3028 | 1.8650 | 3.7614 | |
| 14 | 1.8571 | 1.8551 | 1.9033 | 1.8297 | 1.1290 | 0.5759 | | |
| | 1.2715 | 1.2753 | 1.2481 | 1.3029 | 1.9364 | 3.7532 | | |
| 15 | 0.9062 | 0.8273 | 0.8733 | 0.7601 | F-SUB-Q | | | |
| | 2.3671 | 2.6016 | 2.4461 | 2.8295 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7858 | 1.4831 | 1.3934 | 1.5160 | 1.9256 | 1.6867 | 1.8875 | 0.8989 |
| | 1.3096 | 1.5683 | 1.6519 | 1.5191 | 1.1993 | 1.3692 | 1.2240 | 2.3255 |
| 9 | 1.4831 | 1.8176 | 1.6468 | 1.8869 | 1.6036 | 1.6935 | 1.8844 | 0.8956 |
| | 1.5683 | 1.2794 | 1.4028 | 1.2244 | 1.4382 | 1.3672 | 1.2270 | 2.3293 |
| 10 | 1.3934 | 1.6475 | 1.3731 | 1.4709 | 1.8424 | 1.6937 | 1.9242 | 0.7792 |
| | 1.6519 | 1.4022 | 1.6773 | 1.5694 | 1.2590 | 1.3705 | 1.2077 | 2.7015 |
| 11 | 1.5160 | 1.8876 | 1.4725 | 1.8894 | 1.4851 | 1.8287 | 1.8478 | 0.7332 |
| | 1.5191 | 1.2239 | 1.5678 | 1.2331 | 1.5682 | 1.2760 | 1.2612 | 2.8543 |
| 12 | 1.9256 | 1.6042 | 1.8469 | 1.4882 | 1.6363 | 1.8726 | 1.1131 | |
| | 1.1993 | 1.4377 | 1.2565 | 1.5650 | 1.4391 | 1.2550 | 1.9180 | |
| 13 | 1.6867 | 1.6970 | 1.7008 | 1.8357 | 1.8767 | 1.1760 | 0.5652 | |
| | 1.3692 | 1.3645 | 1.3650 | 1.2712 | 1.2523 | 1.8334 | 3.7206 | |
| 14 | 1.8875 | 1.8867 | 1.9367 | 1.8625 | 1.1190 | 0.5664 | | |
| | 1.2240 | 1.2273 | 1.2001 | 1.2515 | 1.9078 | 3.7125 | | |
| 15 | 0.8989 | 0.8153 | 0.8647 | 0.7492 | F-SUB-Q | | | |
| | 2.3255 | 2.5722 | 2.4076 | 2.7962 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7785 | 1.4731 | 1.3832 | 1.5079 | 1.9238 | 1.6843 | 1.8921 | 0.8914 |
| | 1.2612 | 1.5130 | 1.5952 | 1.4642 | 1.1518 | 1.3166 | 1.1725 | 2.2498 |
| 9 | 1.4731 | 1.8114 | 1.6389 | 1.8836 | 1.5961 | 1.6917 | 1.8893 | 0.8887 |
| | 1.5130 | 1.2301 | 1.3510 | 1.1760 | 1.3857 | 1.3139 | 1.1751 | 2.2530 |
| 10 | 1.3832 | 1.6396 | 1.3624 | 1.4623 | 1.8414 | 1.6930 | 1.9313 | 0.7719 |
| | 1.5952 | 1.3504 | 1.6205 | 1.5129 | 1.2092 | 1.3161 | 1.1551 | 2.6152 |
| 11 | 1.5079 | 1.8844 | 1.4640 | 1.8875 | 1.4796 | 1.8310 | 1.8552 | 0.7267 |
| | 1.4642 | 1.1755 | 1.5112 | 1.1837 | 1.5092 | 1.2233 | 1.2057 | 2.7603 |
| 12 | 1.9238 | 1.5966 | 1.8461 | 1.4829 | 1.6351 | 1.8777 | 1.1055 | |
| | 1.1518 | 1.3852 | 1.2068 | 1.5061 | 1.3865 | 1.2039 | 1.8503 | |
| 13 | 1.6843 | 1.6955 | 1.7004 | 1.8383 | 1.8819 | 1.1687 | 0.5581 | |
| | 1.3166 | 1.3111 | 1.3107 | 1.2187 | 1.2013 | 1.7704 | 3.6069 | |
| 14 | 1.8921 | 1.8925 | 1.9443 | 1.8704 | 1.1114 | 0.5594 | | |
| | 1.1725 | 1.1750 | 1.1477 | 1.1964 | 1.8404 | 3.5988 | | |
| 15 | 0.8914 | 0.8078 | 0.8582 | 0.7427 | F-SUB-Q | | | |
| | 2.2498 | 2.4906 | 2.3262 | 2.7034 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7563 | 1.4536 | 1.3655 | 1.4899 | 1.9059 | 1.6701 | 1.8792 | 0.8828 |
| | 1.2273 | 1.4739 | 1.5547 | 1.4256 | 1.1182 | 1.2776 | 1.1355 | 2.1868 |
| 9 | 1.4536 | 1.7905 | 1.6207 | 1.8645 | 1.5786 | 1.6783 | 1.8765 | 0.8807 |
| | 1.4739 | 1.1959 | 1.3137 | 1.1424 | 1.3478 | 1.2736 | 1.1379 | 2.1873 |
| 10 | 1.3655 | 1.6215 | 1.3445 | 1.4449 | 1.8238 | 1.6798 | 1.9202 | 0.7665 |
| | 1.5547 | 1.3130 | 1.5798 | 1.4725 | 1.1742 | 1.2754 | 1.1165 | 2.5344 |
| 11 | 1.4899 | 1.8653 | 1.4466 | 1.8699 | 1.4639 | 1.8157 | 1.8441 | 0.7206 |
| | 1.4256 | 1.1419 | 1.4709 | 1.1479 | 1.4658 | 1.1850 | 1.1651 | 2.6771 |
| 12 | 1.9059 | 1.5792 | 1.8286 | 1.4672 | 1.6218 | 1.8655 | 1.0995 | |
| | 1.1182 | 1.3473 | 1.1717 | 1.4626 | 1.3420 | 1.1630 | 1.7867 | |
| 13 | 1.6701 | 1.6824 | 1.6875 | 1.8232 | 1.8698 | 1.1601 | 0.5523 | |
| | 1.2776 | 1.2707 | 1.2699 | 1.1798 | 1.1604 | 1.7121 | 3.5010 | |
| 14 | 1.8792 | 1.8804 | 1.9336 | 1.8596 | 1.1056 | 0.5535 | | |
| | 1.1355 | 1.1371 | 1.1092 | 1.1558 | 1.7768 | 3.4931 | | |
| 15 | 0.8828 | 0.8022 | 0.8519 | 0.7367 | F-SUB-Q | | | |
| | 2.1868 | 2.4142 | 2.2549 | 2.6209 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7135 | 1.4225 | 1.3393 | 1.4613 | 1.8648 | 1.6406 | 1.8427 | 0.8730 |
| | 1.3085 | 1.5676 | 1.6528 | 1.5152 | 1.1908 | 1.3551 | 1.2065 | 2.3064 |
| 9 | 1.4225 | 1.7490 | 1.5888 | 1.8237 | 1.5485 | 1.6500 | 1.8402 | 0.8731 |
| | 1.5676 | 1.2742 | 1.3965 | 1.2168 | 1.4321 | 1.3497 | 1.2089 | 2.3010 |
| 10 | 1.3393 | 1.5896 | 1.3161 | 1.4163 | 1.7832 | 1.6507 | 1.8854 | 0.7630 |
| | 1.6528 | 1.3957 | 1.6823 | 1.5653 | 1.2510 | 1.3514 | 1.1838 | 2.6540 |
| 11 | 1.4613 | 1.8245 | 1.4181 | 1.8297 | 1.4364 | 1.7772 | 1.8101 | 0.7175 |
| | 1.5152 | 1.2162 | 1.5635 | 1.2207 | 1.5543 | 1.2595 | 1.2349 | 2.8011 |
| 12 | 1.8648 | 1.5490 | 1.7881 | 1.4398 | 1.5930 | 1.8305 | 1.0923 | |
| | 1.1908 | 1.4316 | 1.2482 | 1.5508 | 1.4193 | 1.2312 | 1.8706 | |
| 13 | 1.6406 | 1.6542 | 1.6587 | 1.7866 | 1.8349 | 1.1503 | 0.5475 | |
| | 1.3551 | 1.3464 | 1.3451 | 1.2524 | 1.2283 | 1.7937 | 3.6745 | |
| 14 | 1.8427 | 1.8446 | 1.8990 | 1.8257 | 1.0984 | 0.5487 | | |
| | 1.2065 | 1.2073 | 1.1756 | 1.2247 | 1.8601 | 3.6660 | | |
| 15 | 0.8730 | 0.7986 | 0.8458 | 0.7334 | F-SUB-Q | | | |
| | 2.3064 | 2.5295 | 2.3677 | 2.7430 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7061 | 1.4077 | 1.3226 | 1.4458 | 1.8621 | 1.6314 | 1.8447 | 0.8510 |
| | 1.2570 | 1.5197 | 1.6119 | 1.4769 | 1.1496 | 1.3156 | 1.1624 | 2.2861 |
| 9 | 1.4077 | 1.7432 | 1.5766 | 1.8193 | 1.5335 | 1.6407 | 1.8422 | 0.8493 |
| | 1.5197 | 1.2267 | 1.3550 | 1.1748 | 1.3945 | 1.3087 | 1.1643 | 2.2855 |
| 10 | 1.3226 | 1.5774 | 1.3011 | 1.4000 | 1.7786 | 1.6423 | 1.8887 | 0.7376 |
| | 1.6119 | 1.3543 | 1.6388 | 1.5254 | 1.2067 | 1.3087 | 1.1374 | 2.6498 |
| 11 | 1.4458 | 1.8202 | 1.4018 | 1.8251 | 1.4215 | 1.7752 | 1.8124 | 0.6934 |
| | 1.4769 | 1.1743 | 1.5235 | 1.1756 | 1.5098 | 1.2107 | 1.1851 | 2.7940 |
| 12 | 1.8621 | 1.5341 | 1.7836 | 1.4249 | 1.5845 | 1.8314 | 1.0613 | |
| | 1.1496 | 1.3940 | 1.2034 | 1.5063 | 1.3642 | 1.1781 | 1.8480 | |
| 13 | 1.6314 | 1.6451 | 1.6503 | 1.7870 | 1.8360 | 1.1234 | 0.5289 | |
| | 1.3156 | 1.3054 | 1.3023 | 1.2029 | 1.1753 | 1.7579 | 3.6556 | |
| 14 | 1.8447 | 1.8472 | 1.9027 | 1.8284 | 1.0674 | 0.5301 | | |
| | 1.1624 | 1.1618 | 1.1293 | 1.1750 | 1.8373 | 3.6470 | | |
| 15 | 0.8510 | 0.7722 | 0.8224 | 0.7092 | F-SUB-Q | | | |
| | 2.2861 | 2.5272 | 2.3500 | 2.7336 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6609 | 1.3714 | 1.2897 | 1.4095 | 1.8181 | 1.5952 | 1.8034 | 0.8274 |
| | 1.2378 | 1.4981 | 1.5909 | 1.4579 | 1.1328 | 1.2946 | 1.1437 | 2.2651 |
| 9 | 1.3714 | 1.6998 | 1.5397 | 1.7748 | 1.4957 | 1.6045 | 1.8008 | 0.8259 |
| | 1.4981 | 1.2084 | 1.3348 | 1.1582 | 1.3757 | 1.2873 | 1.1455 | 2.2638 |
| 10 | 1.2897 | 1.5406 | 1.2686 | 1.3638 | 1.7329 | 1.6056 | 1.8479 | 0.7167 |
| | 1.5909 | 1.3341 | 1.6177 | 1.5066 | 1.1904 | 1.2873 | 1.1173 | 2.6261 |
| 11 | 1.4095 | 1.7757 | 1.3656 | 1.7803 | 1.3851 | 1.7318 | 1.7711 | 0.6733 |
| | 1.4579 | 1.1576 | 1.5047 | 1.1577 | 1.4890 | 1.1922 | 1.1651 | 2.7697 |
| 12 | 1.8181 | 1.4964 | 1.7379 | 1.3885 | 1.5486 | 1.7904 | 1.0326 | |
| | 1.1328 | 1.3752 | 1.1871 | 1.4855 | 1.3367 | 1.1554 | 1.8249 | |
| 13 | 1.5952 | 1.6089 | 1.6136 | 1.7436 | 1.7950 | 1.0952 | 0.5131 | |
| | 1.2946 | 1.2839 | 1.2808 | 1.1843 | 1.1526 | 1.7292 | 3.6224 | |
| 14 | 1.8034 | 1.8059 | 1.8621 | 1.7872 | 1.0386 | 0.5143 | | |
| | 1.1437 | 1.1426 | 1.1091 | 1.1549 | 1.8141 | 3.6136 | | |
| 15 | 0.8274 | 0.7503 | 0.8000 | 0.6890 | F-SUB-Q | | | |
| | 2.2651 | 2.5053 | 2.3261 | 2.7087 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5697 | 1.3092 | 1.2368 | 1.3478 | 1.7243 | 1.5259 | 1.7087 | 0.8001 |
| | 1.2655 | 1.5174 | 1.6062 | 1.4755 | 1.1555 | 1.3090 | 1.1676 | 2.2691 |
| 9 | 1.3092 | 1.6103 | 1.4723 | 1.6811 | 1.4300 | 1.5354 | 1.7061 | 0.8006 |
| | 1.5174 | 1.2330 | 1.3505 | 1.1828 | 1.3924 | 1.3011 | 1.1694 | 2.2624 |
| 10 | 1.2368 | 1.4732 | 1.2146 | 1.3032 | 1.6381 | 1.5346 | 1.7526 | 0.6986 |
| | 1.6062 | 1.3497 | 1.6353 | 1.5255 | 1.2175 | 1.3022 | 1.1388 | 2.6092 |
| 11 | 1.3478 | 1.6820 | 1.3049 | 1.6871 | 1.3225 | 1.6356 | 1.6762 | 0.6556 |
| | 1.4755 | 1.1822 | 1.5235 | 1.1808 | 1.5074 | 1.2198 | 1.1896 | 2.7542 |
| 12 | 1.7243 | 1.4306 | 1.6428 | 1.3259 | 1.4791 | 1.6981 | 1.0032 | |
| | 1.1555 | 1.3919 | 1.2141 | 1.5037 | 1.3507 | 1.1758 | 1.8158 | |
| 13 | 1.5259 | 1.5397 | 1.5423 | 1.6469 | 1.7025 | 1.0629 | 0.4994 | |
| | 1.3090 | 1.2976 | 1.2955 | 1.2116 | 1.1729 | 1.7207 | 3.6011 | |
| 14 | 1.7087 | 1.7108 | 1.7664 | 1.6918 | 1.0092 | 0.5006 | | |
| | 1.1676 | 1.1664 | 1.1301 | 1.1788 | 1.8049 | 3.5923 | | |
| 15 | 0.8001 | 0.7318 | 0.7767 | 0.6709 | F-SUB-Q | | | |
| | 2.2691 | 2.4887 | 2.3203 | 2.6933 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4948 | 1.2529 | 1.1833 | 1.2879 | 1.6461 | 1.4636 | 1.6310 | 0.7539 |
| | 1.2928 | 1.5429 | 1.6343 | 1.5034 | 1.1779 | 1.3289 | 1.1913 | 2.3470 |
| 9 | 1.2529 | 1.5361 | 1.4116 | 1.6032 | 1.3674 | 1.4714 | 1.6267 | 0.7521 |
| | 1.5429 | 1.2575 | 1.3717 | 1.2069 | 1.4175 | 1.3212 | 1.1933 | 2.3464 |
| 10 | 1.1833 | 1.4126 | 1.1649 | 1.2451 | 1.5605 | 1.4710 | 1.6729 | 0.6512 |
| | 1.6343 | 1.3708 | 1.6605 | 1.5546 | 1.2433 | 1.3218 | 1.1602 | 2.7275 |
| 11 | 1.2879 | 1.6040 | 1.2468 | 1.6099 | 1.2638 | 1.5558 | 1.5955 | 0.6108 |
| | 1.5034 | 1.2063 | 1.5525 | 1.2033 | 1.5346 | 1.2469 | 1.2152 | 2.8801 |
| 12 | 1.6461 | 1.3679 | 1.5647 | 1.2670 | 1.4172 | 1.6205 | 0.9394 | |
| | 1.1779 | 1.4169 | 1.2400 | 1.5309 | 1.3701 | 1.1973 | 1.8867 | |
| 13 | 1.4636 | 1.4754 | 1.4785 | 1.5657 | 1.6248 | 1.0026 | 0.4678 | |
| | 1.3289 | 1.3176 | 1.3153 | 1.2390 | 1.1943 | 1.7738 | 3.7438 | |
| 14 | 1.6310 | 1.6308 | 1.6861 | 1.6106 | 0.9451 | 0.4690 | | |
| | 1.1913 | 1.1903 | 1.1513 | 1.2040 | 1.8751 | 3.7347 | | |
| 15 | 0.7539 | 0.6830 | 0.7287 | 0.6256 | F-SUB-Q | | | |
| | 2.3470 | 2.5988 | 2.4099 | 2.8137 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3564 | 1.1514 | 1.0808 | 1.1797 | 1.4842 | 1.3350 | 1.4681 | 0.6930 |
| | 1.3940 | 1.6437 | 1.7527 | 1.6070 | 1.2786 | 1.4260 | 1.2956 | 2.5033 |
| 9 | 1.1514 | 1.3877 | 1.2872 | 1.4475 | 1.2530 | 1.3409 | 1.4630 | 0.6916 |
| | 1.6437 | 1.3625 | 1.4729 | 1.3084 | 1.5144 | 1.4192 | 1.3000 | 2.5017 |
| 10 | 1.0808 | 1.2881 | 1.0641 | 1.1437 | 1.4120 | 1.3410 | 1.5032 | 0.5947 |
| | 1.7527 | 1.4719 | 1.7803 | 1.6579 | 1.3443 | 1.4188 | 1.2634 | 2.9282 |
| 11 | 1.1797 | 1.4482 | 1.1453 | 1.4573 | 1.1629 | 1.4057 | 1.4362 | 0.5577 |
| | 1.6070 | 1.3078 | 1.6557 | 1.3007 | 1.6322 | 1.3501 | 1.3209 | 3.0932 |
| 12 | 1.4842 | 1.2536 | 1.4160 | 1.1657 | 1.2930 | 1.4605 | 0.8613 | |
| | 1.2786 | 1.5137 | 1.3405 | 1.6283 | 1.4696 | 1.2995 | 2.0152 | |
| 13 | 1.3350 | 1.3444 | 1.3477 | 1.4120 | 1.4643 | 0.9154 | 0.4274 | |
| | 1.4260 | 1.4156 | 1.4119 | 1.3443 | 1.2963 | 1.9021 | 4.0190 | |
| 14 | 1.4681 | 1.4650 | 1.5151 | 1.4496 | 0.8663 | 0.4284 | | |
| | 1.2956 | 1.2975 | 1.2537 | 1.3088 | 2.0031 | 4.0093 | | |
| 15 | 0.6930 | 0.6264 | 0.6681 | 0.5711 | F-SUB-Q | | | |
| | 2.5033 | 2.7783 | 2.5770 | 3.0219 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 100 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2172 | 0.9428 | 0.8666 | 0.9574 | 1.2834 | 1.0660 | 1.2607 | 0.5712 |
| | 1.5298 | 1.9760 | 2.1532 | 1.9496 | 1.4552 | 1.7578 | 1.4841 | 2.9957 |
| 9 | 0.9428 | 1.2091 | 1.0394 | 1.2611 | 1.0216 | 1.0702 | 1.2580 | 0.5743 |
| | 1.9760 | 1.5408 | 1.7953 | 1.4798 | 1.8286 | 1.7504 | 1.4872 | 2.9715 |
| 10 | 0.8666 | 1.0401 | 0.8503 | 0.9378 | 1.2685 | 1.0743 | 1.2462 | 0.4872 |
| | 2.1532 | 1.7942 | 2.1950 | 1.9901 | 1.4729 | 1.7418 | 1.5006 | 3.5264 |
| 11 | 0.9574 | 1.2617 | 0.9390 | 1.2763 | 0.9558 | 1.2581 | 1.1847 | 0.4575 |
| | 1.9496 | 1.4791 | 1.9877 | 1.4627 | 1.9545 | 1.4851 | 1.5761 | 3.7199 |
| 12 | 1.2834 | 1.0220 | 1.2715 | 0.9580 | 1.0470 | 1.2120 | 0.7149 | |
| | 1.4552 | 1.8279 | 1.4694 | 1.9501 | 1.7864 | 1.5414 | 2.3927 | |
| 13 | 1.0660 | 1.0729 | 1.0810 | 1.2630 | 1.2149 | 0.7447 | 0.3470 | |
| | 1.7578 | 1.7461 | 1.7312 | 1.4795 | 1.5377 | 2.3040 | 4.8859 | |
| 14 | 1.2607 | 1.2577 | 1.2550 | 1.1949 | 0.7189 | 0.3478 | | |
| | 1.4841 | 1.4877 | 1.4902 | 1.5628 | 2.3791 | 4.8743 | | |
| 15 | 0.5712 | 0.5153 | 0.5499 | 0.4675 | F-SUB-Q | | | |
| | 2.9957 | 3.3317 | 3.0876 | 3.6424 | M-SUB-Q | | | |

AT 100% POWER, 100 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4755 | 0.4009 | 0.3751 | 0.4144 | 0.4969 | 0.4169 | 0.4549 | 0.2363 |
| | 3.8792 | 4.6044 | 4.9286 | 4.4621 | 3.7235 | 4.4482 | 4.0747 | 7.1862 |
| 9 | 0.4009 | 0.4657 | 0.4106 | 0.4845 | 0.4307 | 0.4177 | 0.4537 | 0.2368 |
| | 4.6044 | 3.9640 | 4.5023 | 3.8154 | 4.2964 | 4.4382 | 4.0856 | 7.1506 |
| 10 | 0.3751 | 0.4108 | 0.3679 | 0.4082 | 0.4918 | 0.4239 | 0.4468 | 0.2174 |
| | 4.9286 | 4.4996 | 5.0251 | 4.5299 | 3.7615 | 4.3687 | 4.1466 | 7.8430 |
| 11 | 0.4144 | 0.4848 | 0.4087 | 0.4777 | 0.4146 | 0.4808 | 0.4233 | 0.1940 |
| | 4.4621 | 3.8134 | 4.5247 | 3.8707 | 4.4639 | 3.8498 | 4.3736 | 8.7078 |
| 12 | 0.4969 | 0.4309 | 0.4927 | 0.4155 | 0.4059 | 0.4366 | 0.2929 | |
| | 3.7235 | 4.2946 | 3.7547 | 4.4540 | 4.5629 | 4.2393 | 5.7930 | |
| 13 | 0.4169 | 0.4188 | 0.4253 | 0.4826 | 0.4377 | 0.3014 | 0.1509 | |
| | 4.4482 | 4.4272 | 4.3546 | 3.8354 | 4.2289 | 5.6451 | *11.1525 | |
| 14 | 0.4549 | 0.4536 | 0.4499 | 0.4269 | 0.2945 | 0.1513 | | |
| | 4.0747 | 4.0861 | 4.1185 | 4.3367 | 5.7602 | *11.1254 | | |
| 15 | 0.2363 | 0.2264 | 0.2283 | 0.1987 | F-SUB-Q | | | |
| | 7.1862 | 7.5227 | 7.3813 | 8.5061 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4244 | 0.4201 | 0.4175 | 0.4468 | 0.5103 | 0.4442 | 0.4549 | 0.2568 |
| | 3.6302 | 4.1895 | 4.4743 | 4.0524 | 3.5305 | 3.9943 | 3.9028 | 6.2259 |
| 9 | 0.4201 | 0.4856 | 0.4440 | 0.5060 | 0.4621 | 0.4417 | 0.4535 | 0.2571 |
| | 4.1895 | 3.7743 | 4.1915 | 3.6040 | 3.9115 | 4.0450 | 3.9328 | 6.2157 |
| 10 | 0.4175 | 0.4440 | 0.4121 | 0.4398 | 0.5035 | 0.4410 | 0.4439 | 0.2336 |
| | 4.4743 | 4.1905 | 4.5238 | 4.2116 | 3.6880 | 4.1696 | 4.1146 | 6.9694 |
| 11 | 0.4468 | 0.5060 | 0.4400 | 0.4863 | 0.4341 | 0.4765 | 0.4208 | 0.2138 |
| | 4.0524 | 3.6034 | 4.2098 | 3.7908 | 4.2212 | 3.8411 | 4.4040 | 7.8149 |
| 12 | 0.5103 | 0.4622 | 0.5037 | 0.4343 | 0.3903 | 0.4167 | 0.3008 | |
| | 3.5305 | 3.9105 | 3.6859 | 4.2187 | 4.2175 | 4.1237 | 5.4616 | |
| 13 | 0.4442 | 0.4418 | 0.4415 | 0.4773 | 0.4172 | 0.3004 | 0.1721 | |
| | 3.9943 | 4.0442 | 4.1636 | 3.8350 | 4.1188 | 5.0795 | 9.1955 | |
| 14 | 0.4549 | 0.4530 | 0.4452 | 0.4227 | 0.3018 | 0.1724 | | |
| | 3.9028 | 3.9388 | 4.1027 | 4.3834 | 5.4432 | 9.1829 | | |
| 15 | 0.2568 | 0.2413 | 0.2453 | 0.2176 | F-SUB-Q | | | |
| | 6.2259 | 6.6267 | 6.5858 | 7.6787 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0828 | 0.9199 | 0.8780 | 0.9396 | 1.1609 | 1.0056 | 1.0984 | 0.5861 |
| | 1.6421 | 1.9950 | 2.1752 | 1.9719 | 1.5904 | 1.8056 | 1.6544 | 2.7937 |
| 9 | 0.9199 | 1.1115 | 1.0059 | 1.1514 | 0.9895 | 0.9957 | 1.0956 | 0.5863 |
| | 1.9950 | 1.6782 | 1.8928 | 1.6184 | 1.8685 | 1.8313 | 1.6657 | 2.7975 |
| 10 | 0.8780 | 1.0060 | 0.8681 | 0.9246 | 1.1441 | 1.0008 | 1.0767 | 0.5013 |
| | 2.1752 | 1.8925 | 2.2002 | 2.0486 | 1.6581 | 1.8790 | 1.7321 | 3.3226 |
| 11 | 0.9396 | 1.1515 | 0.9250 | 1.1474 | 0.9186 | 1.1031 | 1.0271 | 0.4788 |
| | 1.9719 | 1.6182 | 2.0478 | 1.6368 | 2.0355 | 1.6920 | 1.8244 | 3.5661 |
| 12 | 1.1609 | 0.9896 | 1.1446 | 0.9191 | 0.9321 | 1.0417 | 0.6919 | |
| | 1.5904 | 1.8680 | 1.6573 | 2.0343 | 1.8789 | 1.7271 | 2.4250 | |
| 13 | 1.0056 | 0.9959 | 1.0024 | 1.1050 | 1.0429 | 0.7181 | 0.3837 | |
| | 1.8056 | 1.8320 | 1.8760 | 1.6896 | 1.7254 | 2.2485 | 4.2311 | |
| 14 | 1.0984 | 1.0937 | 1.0800 | 1.0318 | 0.6941 | 0.3842 | | |
| | 1.6544 | 1.6685 | 1.7268 | 1.8164 | 2.4172 | 4.2257 | | |
| 15 | 0.5861 | 0.5259 | 0.5561 | 0.4862 | F-SUB-Q | | | |
| | 2.7937 | 3.1132 | 2.9719 | 3.5121 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3046 | 1.1368 | 1.0757 | 1.1503 | 1.3661 | 1.2285 | 1.2997 | 0.7200 |
| | 1.4479 | 1.6710 | 1.8051 | 1.6360 | 1.3684 | 1.4978 | 1.4186 | 2.3078 |
| 9 | 1.1368 | 1.3137 | 1.2279 | 1.3525 | 1.2068 | 1.2254 | 1.2965 | 0.7171 |
| | 1.6710 | 1.4568 | 1.5766 | 1.3981 | 1.5552 | 1.5078 | 1.4281 | 2.3151 |
| 10 | 1.0757 | 1.2280 | 1.0666 | 1.1273 | 1.3294 | 1.2199 | 1.2972 | 0.6243 |
| | 1.8051 | 1.5764 | 1.8197 | 1.7049 | 1.4484 | 1.5540 | 1.4601 | 2.7069 |
| 11 | 1.1503 | 1.3527 | 1.1278 | 1.3455 | 1.1240 | 1.2875 | 1.2469 | 0.5917 |
| | 1.6360 | 1.3979 | 1.7041 | 1.4212 | 1.6965 | 1.4761 | 1.5269 | 2.9272 |
| 12 | 1.3661 | 1.2070 | 1.3301 | 1.1246 | 1.1797 | 1.2738 | 0.8562 | |
| | 1.3684 | 1.5549 | 1.4475 | 1.6955 | 1.5693 | 1.4575 | 1.9968 | |
| 13 | 1.2285 | 1.2259 | 1.2214 | 1.2900 | 1.2752 | 0.8975 | 0.4791 | |
| | 1.4978 | 1.5084 | 1.5503 | 1.4734 | 1.4560 | 1.8688 | 3.4651 | |
| 14 | 1.2997 | 1.2945 | 1.3019 | 1.2531 | 0.8590 | 0.4797 | | |
| | 1.4186 | 1.4303 | 1.4561 | 1.5196 | 1.9901 | 3.4606 | | |
| 15 | 0.7200 | 0.6531 | 0.6841 | 0.6023 | F-SUB-Q | | | |
| | 2.3078 | 2.5444 | 2.4512 | 2.8755 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5006 | 1.2676 | 1.1914 | 1.2804 | 1.5665 | 1.3729 | 1.4975 | 0.7875 |
| | 1.2904 | 1.5347 | 1.6556 | 1.4925 | 1.2121 | 1.3547 | 1.2477 | 2.1406 |
| 9 | 1.2676 | 1.5073 | 1.3719 | 1.5501 | 1.3443 | 1.3755 | 1.4944 | 0.7830 |
| | 1.5347 | 1.2970 | 1.4328 | 1.2377 | 1.4173 | 1.3644 | 1.2554 | 2.1515 |
| 10 | 1.1914 | 1.3720 | 1.1816 | 1.2537 | 1.5242 | 1.3695 | 1.4936 | 0.6815 |
| | 1.6556 | 1.4326 | 1.6674 | 1.5562 | 1.2812 | 1.3998 | 1.2860 | 2.5152 |
| 11 | 1.2804 | 1.5504 | 1.2543 | 1.5465 | 1.2539 | 1.4876 | 1.4390 | 0.6456 |
| | 1.4925 | 1.2375 | 1.5555 | 1.2594 | 1.5490 | 1.3009 | 1.3450 | 2.7194 |
| 12 | 1.5665 | 1.3445 | 1.5251 | 1.2547 | 1.3322 | 1.4699 | 0.9438 | |
| | 1.2121 | 1.4169 | 1.2801 | 1.5473 | 1.4229 | 1.2908 | 1.8473 | |
| 13 | 1.3729 | 1.3763 | 1.3725 | 1.4905 | 1.4717 | 0.9926 | 0.5206 | |
| | 1.3547 | 1.3649 | 1.3963 | 1.2984 | 1.2894 | 1.7315 | 3.2596 | |
| 14 | 1.4975 | 1.4922 | 1.4991 | 1.4462 | 0.9470 | 0.5213 | | |
| | 1.2477 | 1.2573 | 1.2821 | 1.3384 | 1.8408 | 3.2554 | | |
| 15 | 0.7875 | 0.7096 | 0.7470 | 0.6570 | F-SUB-Q | | | |
| | 2.1406 | 2.3758 | 2.2767 | 2.6717 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6003 | 1.3295 | 1.2424 | 1.3432 | 1.6689 | 1.4459 | 1.6024 | 0.8285 |
| | 1.2380 | 1.4966 | 1.6149 | 1.4473 | 1.1561 | 1.3067 | 1.1839 | 2.0684 |
| 9 | 1.3295 | 1.6027 | 1.4378 | 1.6508 | 1.4114 | 1.4495 | 1.5997 | 0.8256 |
| | 1.4966 | 1.2467 | 1.3889 | 1.1812 | 1.3722 | 1.3169 | 1.1906 | 2.0742 |
| 10 | 1.2424 | 1.4379 | 1.2312 | 1.3168 | 1.6281 | 1.4476 | 1.5990 | 0.7206 |
| | 1.6149 | 1.3888 | 1.6262 | 1.5054 | 1.2182 | 1.3438 | 1.2167 | 2.4164 |
| 11 | 1.3432 | 1.6510 | 1.3175 | 1.6524 | 1.3213 | 1.6001 | 1.5474 | 0.6817 |
| | 1.4473 | 1.1810 | 1.5046 | 1.2029 | 1.4987 | 1.2341 | 1.2752 | 2.6130 |
| 12 | 1.6689 | 1.4116 | 1.6290 | 1.3228 | 1.4083 | 1.5754 | 1.0027 | |
| | 1.1561 | 1.3719 | 1.2170 | 1.4970 | 1.3767 | 1.2309 | 1.7765 | |
| 13 | 1.4459 | 1.4503 | 1.4508 | 1.6033 | 1.5773 | 1.0478 | 0.5454 | |
| | 1.3067 | 1.3173 | 1.3404 | 1.2317 | 1.2294 | 1.6789 | 3.1856 | |
| 14 | 1.6024 | 1.5975 | 1.6048 | 1.5551 | 1.0060 | 0.5461 | | |
| | 1.1839 | 1.1923 | 1.2126 | 1.2690 | 1.7704 | 3.1814 | | |
| 15 | 0.8285 | 0.7496 | 0.7881 | 0.6935 | F-SUB-Q | | | |
| | 2.0684 | 2.2865 | 2.1922 | 2.5677 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6504 | 1.3594 | 1.2662 | 1.3748 | 1.7222 | 1.4847 | 1.6604 | 0.8543 |
| | 1.2277 | 1.4965 | 1.6063 | 1.4417 | 1.1424 | 1.2968 | 1.1632 | 2.0456 |
| 9 | 1.3594 | 1.6497 | 1.4697 | 1.7029 | 1.4467 | 1.4900 | 1.6581 | 0.8529 |
| | 1.4965 | 1.2371 | 1.3830 | 1.1671 | 1.3649 | 1.3063 | 1.1690 | 2.0470 |
| 10 | 1.2662 | 1.4699 | 1.2538 | 1.3509 | 1.6870 | 1.4930 | 1.6598 | 0.7478 |
| | 1.6063 | 1.3828 | 1.6254 | 1.4949 | 1.1976 | 1.3260 | 1.1911 | 2.3713 |
| 11 | 1.3748 | 1.7032 | 1.3517 | 1.7104 | 1.3613 | 1.6648 | 1.6105 | 0.7079 |
| | 1.4417 | 1.1669 | 1.4941 | 1.1846 | 1.4840 | 1.2087 | 1.2466 | 2.5560 |
| 12 | 1.7222 | 1.4469 | 1.6889 | 1.3628 | 1.4505 | 1.6368 | 1.0424 | |
| | 1.1424 | 1.3646 | 1.1964 | 1.4823 | 1.3681 | 1.2121 | 1.7460 | |
| 13 | 1.4847 | 1.4909 | 1.4979 | 1.6681 | 1.6390 | 1.0830 | 0.5618 | |
| | 1.2968 | 1.3067 | 1.3227 | 1.2063 | 1.2105 | 1.6663 | 3.1716 | |
| 14 | 1.6604 | 1.6560 | 1.6652 | 1.6184 | 1.0458 | 0.5625 | | |
| | 1.1632 | 1.1709 | 1.1870 | 1.2405 | 1.7400 | 3.1674 | | |
| 15 | 0.8543 | 0.7775 | 0.8158 | 0.7206 | F-SUB-Q | | | |
| | 2.0456 | 2.2479 | 2.1567 | 2.5106 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6967 | 1.3837 | 1.2855 | 1.4010 | 1.7728 | 1.5197 | 1.7171 | 0.8679 |
| | 1.2201 | 1.4999 | 1.6188 | 1.4478 | 1.1354 | 1.2960 | 1.1500 | 2.0605 |
| 9 | 1.3837 | 1.6936 | 1.4979 | 1.7523 | 1.4759 | 1.5269 | 1.7153 | 0.8661 |
| | 1.4999 | 1.2275 | 1.3848 | 1.1597 | 1.3688 | 1.3042 | 1.1548 | 2.0626 |
| 10 | 1.2855 | 1.4981 | 1.2725 | 1.3785 | 1.7448 | 1.5358 | 1.7190 | 0.7585 |
| | 1.6188 | 1.3846 | 1.6334 | 1.4959 | 1.1778 | 1.3163 | 1.1721 | 2.3879 |
| 11 | 1.4010 | 1.7526 | 1.3793 | 1.7651 | 1.3944 | 1.7264 | 1.6703 | 0.7177 |
| | 1.4478 | 1.1595 | 1.4951 | 1.1663 | 1.4727 | 1.1844 | 1.2179 | 2.5626 |
| 12 | 1.7728 | 1.4761 | 1.7468 | 1.3960 | 1.4891 | 1.6955 | 1.0630 | |
| | 1.1354 | 1.3685 | 1.1764 | 1.4710 | 1.3641 | 1.1972 | 1.7464 | |
| 13 | 1.5197 | 1.5279 | 1.5408 | 1.7298 | 1.6977 | 1.1017 | 0.5678 | |
| | 1.2960 | 1.3044 | 1.3130 | 1.1819 | 1.1958 | 1.6770 | 3.2133 | |
| 14 | 1.7171 | 1.7133 | 1.7246 | 1.6785 | 1.0664 | 0.5685 | | |
| | 1.1500 | 1.1565 | 1.1682 | 1.2119 | 1.7404 | 3.2091 | | |
| 15 | 0.8679 | 0.7883 | 0.8290 | 0.7302 | F-SUB-Q | | | |
| | 2.0605 | 2.2685 | 2.1674 | 2.5186 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7206 | 1.3950 | 1.2935 | 1.4141 | 1.8011 | 1.5394 | 1.7509 | 0.8769 |
| | 1.2285 | 1.5198 | 1.6438 | 1.4730 | 1.1484 | 1.3142 | 1.1583 | 2.0955 |
| 9 | 1.3950 | 1.7159 | 1.5115 | 1.7796 | 1.4916 | 1.5484 | 1.7495 | 0.8755 |
| | 1.5198 | 1.2380 | 1.4013 | 1.1720 | 1.3912 | 1.3198 | 1.1620 | 2.0959 |
| 10 | 1.2935 | 1.5117 | 1.2802 | 1.3934 | 1.7792 | 1.5622 | 1.7551 | 0.7671 |
| | 1.6438 | 1.4011 | 1.6564 | 1.5109 | 1.1817 | 1.3252 | 1.1740 | 2.4204 |
| 11 | 1.4141 | 1.7799 | 1.3943 | 1.7969 | 1.4142 | 1.7646 | 1.7079 | 0.7259 |
| | 1.4730 | 1.1718 | 1.5100 | 1.1712 | 1.4842 | 1.1836 | 1.2171 | 2.5785 |
| 12 | 1.8011 | 1.4918 | 1.7812 | 1.4157 | 1.5125 | 1.7318 | 1.0789 | |
| | 1.1484 | 1.3909 | 1.1803 | 1.4825 | 1.3695 | 1.1945 | 1.7547 | |
| 13 | 1.5394 | 1.5494 | 1.5673 | 1.7682 | 1.7341 | 1.1152 | 0.5721 | |
| | 1.3142 | 1.3188 | 1.3214 | 1.1812 | 1.1930 | 1.6923 | 3.2498 | |
| 14 | 1.7509 | 1.7481 | 1.7609 | 1.7163 | 1.0823 | 0.5728 | | |
| | 1.1583 | 1.1638 | 1.1700 | 1.2111 | 1.7487 | 3.2455 | | |
| 15 | 0.8769 | 0.7970 | 0.8389 | 0.7386 | F-SUB-Q | | | |
| | 2.0955 | 2.3051 | 2.1952 | 2.5344 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7438 | 1.4045 | 1.3007 | 1.4254 | 1.8286 | 1.5573 | 1.7832 | 0.8819 |
| | 1.2555 | 1.5602 | 1.6777 | 1.5081 | 1.1678 | 1.3409 | 1.1738 | 2.1510 |
| 9 | 1.4045 | 1.7380 | 1.5243 | 1.8062 | 1.5050 | 1.5680 | 1.7822 | 0.8791 |
| | 1.5602 | 1.2622 | 1.4270 | 1.1904 | 1.4227 | 1.3419 | 1.1764 | 2.1542 |
| 10 | 1.3007 | 1.5247 | 1.2876 | 1.4058 | 1.8119 | 1.5854 | 1.7893 | 0.7706 |
| | 1.6777 | 1.4268 | 1.6911 | 1.5376 | 1.1882 | 1.3373 | 1.1829 | 2.4804 |
| 11 | 1.4254 | 1.8065 | 1.4066 | 1.8278 | 1.4305 | 1.8004 | 1.7427 | 0.7296 |
| | 1.5081 | 1.1902 | 1.5367 | 1.1852 | 1.5113 | 1.1941 | 1.2211 | 2.6283 |
| 12 | 1.8286 | 1.5052 | 1.8140 | 1.4320 | 1.5338 | 1.7661 | 1.0879 | |
| | 1.1678 | 1.4225 | 1.1868 | 1.5095 | 1.3954 | 1.2080 | 1.7932 | |
| 13 | 1.5573 | 1.5691 | 1.5906 | 1.8040 | 1.7683 | 1.1232 | 0.5734 | |
| | 1.3409 | 1.3409 | 1.3326 | 1.1916 | 1.2065 | 1.7336 | 3.3390 | |
| 14 | 1.7832 | 1.7815 | 1.7954 | 1.7513 | 1.0913 | 0.5741 | | |
| | 1.1738 | 1.1781 | 1.1785 | 1.2150 | 1.7872 | 3.3347 | | |
| 15 | 0.8819 | 0.8007 | 0.8441 | 0.7420 | F-SUB-Q | | | |
| | 2.1510 | 2.3681 | 2.2460 | 2.5845 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7287 | 1.3950 | 1.2995 | 1.4186 | 1.8162 | 1.5516 | 1.7761 | 0.8889 |
| | 1.3126 | 1.6243 | 1.7350 | 1.5707 | 1.2191 | 1.3956 | 1.2223 | 2.2135 |
| 9 | 1.3950 | 1.7224 | 1.5151 | 1.7932 | 1.4988 | 1.5639 | 1.7754 | 0.8901 |
| | 1.6243 | 1.3140 | 1.4848 | 1.2424 | 1.4815 | 1.3920 | 1.2240 | 2.2061 |
| 10 | 1.2995 | 1.5155 | 1.2782 | 1.4014 | 1.8040 | 1.5836 | 1.7841 | 0.7841 |
| | 1.7350 | 1.4844 | 1.7612 | 1.5946 | 1.2311 | 1.3815 | 1.2254 | 2.5222 |
| 11 | 1.4186 | 1.7935 | 1.4022 | 1.8185 | 1.4286 | 1.7951 | 1.7396 | 0.7431 |
| | 1.5707 | 1.2422 | 1.5937 | 1.2266 | 1.5574 | 1.2320 | 1.2601 | 2.6629 |
| 12 | 1.8162 | 1.4990 | 1.8061 | 1.4302 | 1.5307 | 1.7614 | 1.1041 | |
| | 1.2191 | 1.4813 | 1.2296 | 1.5556 | 1.4495 | 1.2539 | 1.8194 | |
| 13 | 1.5516 | 1.5651 | 1.5888 | 1.7987 | 1.7637 | 1.1354 | 0.5805 | |
| | 1.3956 | 1.3909 | 1.3767 | 1.2295 | 1.2522 | 1.7806 | 3.4092 | |
| 14 | 1.7761 | 1.7755 | 1.7903 | 1.7482 | 1.1076 | 0.5812 | | |
| | 1.2223 | 1.2257 | 1.2208 | 1.2538 | 1.8132 | 3.4047 | | |
| 15 | 0.8889 | 0.8145 | 0.8555 | 0.7550 | F-SUB-Q | | | |
| | 2.2135 | 2.4140 | 2.2930 | 2.6212 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7618 | 1.4079 | 1.3010 | 1.4319 | 1.8534 | 1.5740 | 1.8187 | 0.8880 |
| | 1.3358 | 1.6695 | 1.8034 | 1.6223 | 1.2466 | 1.4347 | 1.2443 | 2.3088 |
| 9 | 1.4079 | 1.7546 | 1.5325 | 1.8298 | 1.5148 | 1.5876 | 1.8183 | 0.8870 |
| | 1.6695 | 1.3393 | 1.5263 | 1.2687 | 1.5282 | 1.4274 | 1.2453 | 2.3061 |
| 10 | 1.3010 | 1.5329 | 1.2883 | 1.4160 | 1.8458 | 1.6111 | 1.8283 | 0.7783 |
| | 1.8034 | 1.5259 | 1.8177 | 1.6418 | 1.2512 | 1.4110 | 1.2422 | 2.6427 |
| 11 | 1.4319 | 1.8301 | 1.4169 | 1.8588 | 1.4462 | 1.8400 | 1.7836 | 0.7360 |
| | 1.6223 | 1.2685 | 1.6409 | 1.2471 | 1.5983 | 1.2481 | 1.2764 | 2.7878 |
| 12 | 1.8534 | 1.5150 | 1.8480 | 1.4478 | 1.5562 | 1.8050 | 1.1032 | |
| | 1.2466 | 1.5280 | 1.2497 | 1.5965 | 1.4758 | 1.2663 | 1.8865 | |
| 13 | 1.5740 | 1.5889 | 1.6164 | 1.8438 | 1.8074 | 1.1352 | 0.5752 | |
| | 1.4347 | 1.4262 | 1.4061 | 1.2456 | 1.2648 | 1.8404 | 3.5522 | |
| 14 | 1.8187 | 1.8193 | 1.8348 | 1.7923 | 1.1067 | 0.5759 | | |
| | 1.2443 | 1.2458 | 1.2373 | 1.2701 | 1.8802 | 3.5477 | | |
| 15 | 0.8880 | 0.8084 | 0.8527 | 0.7487 | F-SUB-Q | | | |
| | 2.3088 | 2.5339 | 2.3923 | 2.7408 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7691 | 1.4088 | 1.3010 | 1.4343 | 1.8638 | 1.5806 | 1.8341 | 0.8901 |
| | 1.3781 | 1.7171 | 1.8490 | 1.6734 | 1.2929 | 1.4951 | 1.2915 | 2.4089 |
| 9 | 1.4088 | 1.7613 | 1.5354 | 1.8396 | 1.5184 | 1.5961 | 1.8346 | 0.8902 |
| | 1.7171 | 1.3775 | 1.5695 | 1.3107 | 1.5820 | 1.4846 | 1.2917 | 2.4028 |
| 10 | 1.3010 | 1.5359 | 1.2878 | 1.4199 | 1.8603 | 1.6220 | 1.8455 | 0.7812 |
| | 1.8490 | 1.5690 | 1.8689 | 1.6977 | 1.2964 | 1.4618 | 1.2852 | 2.7501 |
| 11 | 1.4343 | 1.8399 | 1.4207 | 1.8718 | 1.4526 | 1.8573 | 1.8016 | 0.7387 |
| | 1.6734 | 1.3105 | 1.6967 | 1.2947 | 1.6632 | 1.2919 | 1.3180 | 2.8943 |
| 12 | 1.8638 | 1.5185 | 1.8626 | 1.4542 | 1.5657 | 1.8224 | 1.1097 | |
| | 1.2929 | 1.5818 | 1.2949 | 1.6614 | 1.5303 | 1.3085 | 1.9564 | |
| 13 | 1.5806 | 1.5975 | 1.6275 | 1.8612 | 1.8247 | 1.1402 | 0.5754 | |
| | 1.4951 | 1.4833 | 1.4568 | 1.2893 | 1.3069 | 1.9096 | 3.6965 | |
| 14 | 1.8341 | 1.8358 | 1.8524 | 1.8106 | 1.1133 | 0.5761 | | |
| | 1.2915 | 1.2910 | 1.2801 | 1.3115 | 1.9499 | 3.6919 | | |
| 15 | 0.8901 | 0.8113 | 0.8562 | 0.7518 | F-SUB-Q | | | |
| | 2.4089 | 2.6403 | 2.4885 | 2.8443 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7540 | 1.3997 | 1.3024 | 1.4270 | 1.8513 | 1.5747 | 1.8264 | 0.8943 |
| | 1.3565 | 1.6866 | 1.8001 | 1.6390 | 1.2687 | 1.4767 | 1.2858 | 2.3756 |
| 9 | 1.3997 | 1.7459 | 1.5258 | 1.8261 | 1.5109 | 1.5916 | 1.8278 | 0.8965 |
| | 1.6866 | 1.3558 | 1.5397 | 1.2871 | 1.5493 | 1.4691 | 1.2869 | 2.3638 |
| 10 | 1.3024 | 1.5263 | 1.2816 | 1.4140 | 1.8507 | 1.6187 | 1.8396 | 0.7906 |
| | 1.8001 | 1.5392 | 1.8334 | 1.6623 | 1.2792 | 1.4521 | 1.2832 | 2.6965 |
| 11 | 1.4270 | 1.8264 | 1.4149 | 1.8612 | 1.4486 | 1.8504 | 1.7978 | 0.7491 |
| | 1.6390 | 1.2868 | 1.6613 | 1.2738 | 1.6327 | 1.2842 | 1.3195 | 2.8437 |
| 12 | 1.8513 | 1.5110 | 1.8530 | 1.4502 | 1.5613 | 1.8165 | 1.1215 | |
| | 1.2687 | 1.5491 | 1.2777 | 1.6309 | 1.5339 | 1.3165 | 1.9311 | |
| 13 | 1.5747 | 1.5931 | 1.6243 | 1.8543 | 1.8190 | 1.1487 | 0.5799 | |
| | 1.4767 | 1.4678 | 1.4471 | 1.2816 | 1.3148 | 1.8997 | 3.6822 | |
| 14 | 1.8264 | 1.8292 | 1.8467 | 1.8069 | 1.1251 | 0.5807 | | |
| | 1.2858 | 1.2873 | 1.2784 | 1.3131 | 1.9245 | 3.6773 | | |
| 15 | 0.8943 | 0.8212 | 0.8642 | 0.7614 | F-SUB-Q | | | |
| | 2.3756 | 2.5830 | 2.4478 | 2.7991 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7818 | 1.4090 | 1.2998 | 1.4369 | 1.8826 | 1.5926 | 1.8643 | 0.8909 |
| | 1.3058 | 1.6378 | 1.7620 | 1.5917 | 1.2209 | 1.4289 | 1.2326 | 2.3298 |
| 9 | 1.4090 | 1.7730 | 1.5395 | 1.8569 | 1.5230 | 1.6113 | 1.8668 | 0.8907 |
| | 1.6378 | 1.3056 | 1.4918 | 1.2384 | 1.5040 | 1.4195 | 1.2332 | 2.3246 |
| 10 | 1.2998 | 1.5401 | 1.2848 | 1.4249 | 1.8863 | 1.6422 | 1.8797 | 0.7825 |
| | 1.7620 | 1.4913 | 1.7829 | 1.6141 | 1.2267 | 1.3988 | 1.2277 | 2.6613 |
| 11 | 1.4369 | 1.8573 | 1.4258 | 1.8952 | 1.4623 | 1.8896 | 1.8378 | 0.7399 |
| | 1.5917 | 1.2382 | 1.6131 | 1.2224 | 1.5805 | 1.2284 | 1.2608 | 2.8111 |
| 12 | 1.8826 | 1.5231 | 1.8887 | 1.4640 | 1.5827 | 1.8561 | 1.1179 | |
| | 1.2209 | 1.5038 | 1.2252 | 1.5787 | 1.4773 | 1.2579 | 1.8911 | |
| 13 | 1.5926 | 1.6129 | 1.6480 | 1.8937 | 1.8586 | 1.1457 | 0.5730 | |
| | 1.4289 | 1.4182 | 1.3940 | 1.2258 | 1.2563 | 1.8585 | 3.6342 | |
| 14 | 1.8643 | 1.8683 | 1.8876 | 1.8472 | 1.1215 | 0.5737 | | |
| | 1.2326 | 1.2326 | 1.2228 | 1.2546 | 1.8847 | 3.6295 | | |
| 15 | 0.8909 | 0.8129 | 0.8593 | 0.7531 | F-SUB-Q | | | |
| | 2.3298 | 2.5490 | 2.4050 | 2.7633 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7903 | 1.4101 | 1.2979 | 1.4388 | 1.8940 | 1.5996 | 1.8813 | 0.8896 |
| | 1.2555 | 1.5771 | 1.7005 | 1.5325 | 1.1711 | 1.3736 | 1.1803 | 2.2495 |
| 9 | 1.4101 | 1.7810 | 1.5424 | 1.8677 | 1.5259 | 1.6195 | 1.8848 | 0.8887 |
| | 1.5771 | 1.2531 | 1.4351 | 1.1876 | 1.4474 | 1.3642 | 1.1808 | 2.2472 |
| 10 | 1.2979 | 1.5430 | 1.2836 | 1.4276 | 1.9008 | 1.6531 | 1.8990 | 0.7806 |
| | 1.7005 | 1.4346 | 1.7195 | 1.5531 | 1.1766 | 1.3433 | 1.1749 | 2.5708 |
| 11 | 1.4388 | 1.8680 | 1.4285 | 1.9084 | 1.4673 | 1.9073 | 1.8581 | 0.7385 |
| | 1.5325 | 1.1874 | 1.5522 | 1.1729 | 1.5210 | 1.1772 | 1.2059 | 2.7124 |
| 12 | 1.8940 | 1.5260 | 1.9033 | 1.4690 | 1.5919 | 1.8749 | 1.1188 | |
| | 1.1711 | 1.4472 | 1.1751 | 1.5192 | 1.4228 | 1.2059 | 1.8234 | |
| 13 | 1.5996 | 1.6212 | 1.6590 | 1.9115 | 1.8774 | 1.1462 | 0.5698 | |
| | 1.3736 | 1.3629 | 1.3386 | 1.1748 | 1.2043 | 1.7949 | 3.5151 | |
| 14 | 1.8813 | 1.8866 | 1.9071 | 1.8678 | 1.1226 | 0.5706 | | |
| | 1.1803 | 1.1799 | 1.1702 | 1.2000 | 1.8171 | 3.5106 | | |
| 15 | 0.8896 | 0.8110 | 0.8587 | 0.7517 | F-SUB-Q | | | |
| | 2.2495 | 2.4631 | 2.3195 | 2.6667 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7873 | 1.4057 | 1.2967 | 1.4353 | 1.8947 | 1.5993 | 1.8849 | 0.8888 |
| | 1.2152 | 1.5297 | 1.6464 | 1.4858 | 1.1319 | 1.3284 | 1.1386 | 2.1776 |
| 9 | 1.4057 | 1.7781 | 1.5394 | 1.8665 | 1.5229 | 1.6201 | 1.8891 | 0.8900 |
| | 1.5297 | 1.2129 | 1.3906 | 1.1488 | 1.4024 | 1.3181 | 1.1384 | 2.1692 |
| 10 | 1.2967 | 1.5400 | 1.2784 | 1.4247 | 1.9022 | 1.6549 | 1.9043 | 0.7820 |
| | 1.6464 | 1.3901 | 1.6699 | 1.5043 | 1.1355 | 1.2960 | 1.1316 | 2.4812 |
| 11 | 1.4353 | 1.8669 | 1.4256 | 1.9093 | 1.4659 | 1.9109 | 1.8643 | 0.7398 |
| | 1.4858 | 1.1486 | 1.5034 | 1.1322 | 1.4704 | 1.1343 | 1.1601 | 2.6162 |
| 12 | 1.8947 | 1.5230 | 1.9048 | 1.4676 | 1.5928 | 1.8798 | 1.1225 | |
| | 1.1319 | 1.4023 | 1.1341 | 1.4687 | 1.3723 | 1.1602 | 1.7541 | |
| 13 | 1.5993 | 1.6219 | 1.6609 | 1.9152 | 1.8824 | 1.1480 | 0.5690 | |
| | 1.3284 | 1.3167 | 1.2914 | 1.1318 | 1.1587 | 1.7291 | 3.3976 | |
| 14 | 1.8849 | 1.8911 | 1.9129 | 1.8742 | 1.1262 | 0.5698 | | |
| | 1.1386 | 1.1373 | 1.1269 | 1.1543 | 1.7481 | 3.3932 | | |
| 15 | 0.8888 | 0.8125 | 0.8599 | 0.7533 | F-SUB-Q | | | |
| | 2.1776 | 2.3779 | 2.2392 | 2.5708 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7662 | 1.3935 | 1.2946 | 1.4241 | 1.8760 | 1.5883 | 1.8685 | 0.8884 |
| | 1.2864 | 1.6157 | 1.7291 | 1.5699 | 1.1977 | 1.4017 | 1.2031 | 2.2836 |
| 9 | 1.3935 | 1.7575 | 1.5260 | 1.8465 | 1.5110 | 1.6095 | 1.8731 | 0.8918 |
| | 1.6157 | 1.2845 | 1.4703 | 1.2166 | 1.4816 | 1.3899 | 1.2021 | 2.2692 |
| 10 | 1.2946 | 1.5267 | 1.2739 | 1.4137 | 1.8833 | 1.6443 | 1.8888 | 0.7869 |
| | 1.7291 | 1.4697 | 1.7607 | 1.5878 | 1.2003 | 1.3652 | 1.1941 | 2.5836 |
| 11 | 1.4241 | 1.8469 | 1.4147 | 1.8902 | 1.4558 | 1.8937 | 1.8509 | 0.7454 |
| | 1.5699 | 1.2164 | 1.5868 | 1.1967 | 1.5495 | 1.1970 | 1.2219 | 2.7189 |
| 12 | 1.8760 | 1.5111 | 1.8859 | 1.4576 | 1.5817 | 1.8642 | 1.1279 | |
| | 1.1977 | 1.4814 | 1.1987 | 1.5476 | 1.4439 | 1.2218 | 1.8254 | |
| 13 | 1.5883 | 1.6114 | 1.6504 | 1.8981 | 1.8669 | 1.1512 | 0.5703 | |
| | 1.4017 | 1.3883 | 1.3602 | 1.1943 | 1.2201 | 1.8015 | 3.5452 | |
| 14 | 1.8685 | 1.8753 | 1.8977 | 1.8611 | 1.1317 | 0.5711 | | |
| | 1.2031 | 1.2008 | 1.1888 | 1.2156 | 1.8190 | 3.5404 | | |
| 15 | 0.8884 | 0.8176 | 0.8631 | 0.7582 | F-SUB-Q | | | |
| | 2.2836 | 2.4772 | 2.3375 | 2.6748 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7833 | 1.3944 | 1.2832 | 1.4250 | 1.8959 | 1.5956 | 1.8931 | 0.8763 |
| | 1.2264 | 1.5578 | 1.6894 | 1.5208 | 1.1484 | 1.3538 | 1.1516 | 2.2489 |
| 9 | 1.3944 | 1.7749 | 1.5316 | 1.8661 | 1.5135 | 1.6177 | 1.8984 | 0.8764 |
| | 1.5578 | 1.2277 | 1.4185 | 1.1659 | 1.4338 | 1.3409 | 1.1497 | 2.2429 |
| 10 | 1.2832 | 1.5323 | 1.2653 | 1.4142 | 1.9042 | 1.6548 | 1.9152 | 0.7698 |
| | 1.6894 | 1.4179 | 1.7137 | 1.5367 | 1.1485 | 1.3135 | 1.1408 | 2.5631 |
| 11 | 1.4250 | 1.8665 | 1.4152 | 1.9106 | 1.4575 | 1.9170 | 1.8764 | 0.7276 |
| | 1.5208 | 1.1657 | 1.5357 | 1.1446 | 1.4972 | 1.1432 | 1.1659 | 2.7013 |
| 12 | 1.8959 | 1.5136 | 1.9069 | 1.4594 | 1.5913 | 1.8893 | 1.1111 | |
| | 1.1484 | 1.4337 | 1.1470 | 1.4954 | 1.3833 | 1.1634 | 1.7914 | |
| 13 | 1.5956 | 1.6198 | 1.6611 | 1.9223 | 1.8921 | 1.1371 | 0.5572 | |
| | 1.3538 | 1.3393 | 1.3086 | 1.1401 | 1.1617 | 1.7600 | 3.5134 | |
| 14 | 1.8931 | 1.9008 | 1.9244 | 1.8869 | 1.1151 | 0.5580 | | |
| | 1.1516 | 1.1483 | 1.1355 | 1.1597 | 1.7847 | 3.5085 | | |
| 15 | 0.8763 | 0.8001 | 0.8490 | 0.7410 | F-SUB-Q | | | |
| | 2.2489 | 2.4585 | 2.3063 | 2.6539 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7612 | 1.3765 | 1.2671 | 1.4075 | 1.8758 | 1.5794 | 1.8752 | 0.8628 |
| | 1.1941 | 1.5206 | 1.6530 | 1.4875 | 1.1206 | 1.3210 | 1.1223 | 2.2077 |
| 9 | 1.3765 | 1.7544 | 1.5149 | 1.8455 | 1.4957 | 1.6015 | 1.8805 | 0.8630 |
| | 1.5206 | 1.1972 | 1.3852 | 1.1381 | 1.4016 | 1.3078 | 1.1199 | 2.2012 |
| 10 | 1.2671 | 1.5156 | 1.2488 | 1.3957 | 1.8820 | 1.6376 | 1.8971 | 0.7574 |
| | 1.6530 | 1.3845 | 1.6777 | 1.5029 | 1.1206 | 1.2804 | 1.1108 | 2.5169 |
| 11 | 1.4075 | 1.8460 | 1.3967 | 1.8891 | 1.4387 | 1.8954 | 1.8585 | 0.7156 |
| | 1.4875 | 1.1378 | 1.5019 | 1.1159 | 1.4627 | 1.1142 | 1.1345 | 2.6527 |
| 12 | 1.8758 | 1.4958 | 1.8848 | 1.4406 | 1.5746 | 1.8706 | 1.0953 | |
| | 1.1206 | 1.4014 | 1.1190 | 1.4608 | 1.3434 | 1.1303 | 1.7515 | |
| 13 | 1.5794 | 1.6037 | 1.6441 | 1.9021 | 1.8734 | 1.1225 | 0.5472 | |
| | 1.3210 | 1.3061 | 1.2754 | 1.1103 | 1.1286 | 1.7155 | 3.4506 | |
| 14 | 1.8752 | 1.8831 | 1.9067 | 1.8695 | 1.0994 | 0.5480 | | |
| | 1.1223 | 1.1185 | 1.1055 | 1.1281 | 1.7448 | 3.4457 | | |
| 15 | 0.8628 | 0.7875 | 0.8364 | 0.7290 | F-SUB-Q | | | |
| | 2.2077 | 2.4144 | 2.2618 | 2.6051 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6867 | 1.3326 | 1.2405 | 1.3640 | 1.8020 | 1.5311 | 1.8001 | 0.8446 |
| | 1.2080 | 1.5233 | 1.6402 | 1.4907 | 1.1320 | 1.3229 | 1.1343 | 2.1913 |
| 9 | 1.3326 | 1.6829 | 1.4677 | 1.7709 | 1.4494 | 1.5518 | 1.8047 | 0.8478 |
| | 1.5233 | 1.2101 | 1.3881 | 1.1509 | 1.4043 | 1.3098 | 1.1319 | 2.1770 |
| 10 | 1.2405 | 1.4685 | 1.2177 | 1.3509 | 1.8021 | 1.5830 | 1.8221 | 0.7470 |
| | 1.6402 | 1.3873 | 1.6725 | 1.5066 | 1.1346 | 1.2845 | 1.1222 | 2.4791 |
| 11 | 1.3640 | 1.7714 | 1.3520 | 1.8116 | 1.3916 | 1.8134 | 1.7821 | 0.7061 |
| | 1.4907 | 1.1507 | 1.5055 | 1.1279 | 1.4665 | 1.1283 | 1.1465 | 2.6103 |
| 12 | 1.8020 | 1.4495 | 1.8050 | 1.3935 | 1.5225 | 1.7932 | 1.0761 | |
| | 1.1320 | 1.4041 | 1.1329 | 1.4645 | 1.3452 | 1.1411 | 1.7283 | |
| 13 | 1.5311 | 1.5540 | 1.5895 | 1.8194 | 1.7961 | 1.1030 | 0.5386 | |
| | 1.3229 | 1.3080 | 1.2792 | 1.1246 | 1.1393 | 1.6909 | 3.4011 | |
| 14 | 1.8001 | 1.8073 | 1.8315 | 1.7931 | 1.0801 | 0.5394 | | |
| | 1.1343 | 1.1304 | 1.1166 | 1.1396 | 1.7215 | 3.3960 | | |
| 15 | 0.8446 | 0.7769 | 0.8220 | 0.7190 | F-SUB-Q | | | |
| | 2.1913 | 2.3779 | 2.2353 | 2.5644 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6218 | 1.2852 | 1.1859 | 1.3141 | 1.7350 | 1.4802 | 1.7325 | 0.8023 |
| | 1.2251 | 1.5414 | 1.6756 | 1.5108 | 1.1469 | 1.3355 | 1.1496 | 2.2536 |
| 9 | 1.2852 | 1.6210 | 1.4199 | 1.7051 | 1.3983 | 1.4998 | 1.7362 | 0.8020 |
| | 1.5414 | 1.2256 | 1.4006 | 1.1664 | 1.4209 | 1.3222 | 1.1474 | 2.2481 |
| 10 | 1.1859 | 1.4207 | 1.1702 | 1.3001 | 1.7313 | 1.5275 | 1.7557 | 0.7015 |
| | 1.6756 | 1.3998 | 1.6983 | 1.5277 | 1.1515 | 1.2980 | 1.1354 | 2.5784 |
| 11 | 1.3141 | 1.7056 | 1.3011 | 1.7429 | 1.3377 | 1.7401 | 1.7119 | 0.6620 |
| | 1.5108 | 1.1661 | 1.5266 | 1.1431 | 1.4879 | 1.1460 | 1.1632 | 2.7188 |
| 12 | 1.7350 | 1.3985 | 1.7342 | 1.3396 | 1.4705 | 1.7244 | 1.0163 | |
| | 1.1469 | 1.4207 | 1.1497 | 1.4858 | 1.3571 | 1.1559 | 1.7843 | |
| 13 | 1.4802 | 1.5020 | 1.5341 | 1.7450 | 1.7273 | 1.0492 | 0.5082 | |
| | 1.3355 | 1.3204 | 1.2925 | 1.1428 | 1.1540 | 1.7328 | 3.5186 | |
| 14 | 1.7325 | 1.7388 | 1.7652 | 1.7229 | 1.0203 | 0.5090 | | |
| | 1.1496 | 1.1458 | 1.1295 | 1.1559 | 1.7771 | 3.5132 | | |
| 15 | 0.8023 | 0.7305 | 0.7772 | 0.6754 | F-SUB-Q | | | |
| | 2.2536 | 2.4705 | 2.3090 | 2.6658 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4631 | 1.1810 | 1.0883 | 1.2056 | 1.5647 | 1.3554 | 1.5565 | 0.7364 |
| | 1.3317 | 1.6452 | 1.7917 | 1.6159 | 1.2476 | 1.4313 | 1.2550 | 2.4113 |
| 9 | 1.1810 | 1.4621 | 1.3013 | 1.5366 | 1.2823 | 1.3721 | 1.5582 | 0.7359 |
| | 1.6452 | 1.3327 | 1.4994 | 1.2697 | 1.5202 | 1.4174 | 1.2537 | 2.4059 |
| 10 | 1.0883 | 1.3020 | 1.0750 | 1.1925 | 1.5599 | 1.3956 | 1.5800 | 0.6397 |
| | 1.7917 | 1.4986 | 1.8145 | 1.6336 | 1.2528 | 1.3928 | 1.2367 | 2.7767 |
| 11 | 1.2056 | 1.5370 | 1.1934 | 1.5712 | 1.2279 | 1.5644 | 1.5383 | 0.6037 |
| | 1.6159 | 1.2694 | 1.6324 | 1.2432 | 1.5896 | 1.2493 | 1.2687 | 2.9278 |
| 12 | 1.5647 | 1.2825 | 1.5625 | 1.2296 | 1.3454 | 1.5510 | 0.9286 | |
| | 1.2476 | 1.5199 | 1.2508 | 1.5874 | 1.4537 | 1.2592 | 1.9155 | |
| 13 | 1.3554 | 1.3741 | 1.4017 | 1.5687 | 1.5536 | 0.9610 | 0.4650 | |
| | 1.4313 | 1.4154 | 1.3867 | 1.2459 | 1.2571 | 1.8551 | 3.7763 | |
| 14 | 1.5565 | 1.5605 | 1.5887 | 1.5484 | 0.9323 | 0.4657 | | |
| | 1.2550 | 1.2519 | 1.2301 | 1.2606 | 1.9076 | 3.7706 | | |
| 15 | 0.7364 | 0.6689 | 0.7121 | 0.6159 | F-SUB-Q | | | |
| | 2.4113 | 2.6500 | 2.4746 | 2.8708 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 175 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2391 | 0.9605 | 0.8788 | 0.9747 | 1.2994 | 1.0861 | 1.2879 | 0.6013 |
| | 1.5500 | 1.9942 | 2.1880 | 1.9702 | 1.4809 | 1.7601 | 1.4951 | 2.9150 |
| 9 | 0.9605 | 1.2246 | 1.0513 | 1.2809 | 1.0404 | 1.0970 | 1.2878 | 0.6057 |
| | 1.9942 | 1.5687 | 1.8294 | 1.5016 | 1.8469 | 1.7472 | 1.4952 | 2.8853 |
| 10 | 0.8788 | 1.0519 | 0.8653 | 0.9705 | 1.3147 | 1.1184 | 1.2866 | 0.5183 |
| | 2.1880 | 1.8285 | 2.2227 | 1.9788 | 1.4648 | 1.7117 | 1.4964 | 3.3832 |
| 11 | 0.9747 | 1.2812 | 0.9712 | 1.3166 | 0.9991 | 1.3141 | 1.2463 | 0.4912 |
| | 1.9702 | 1.5012 | 1.9776 | 1.4618 | 1.9249 | 1.4654 | 1.5433 | 3.5520 |
| 12 | 1.2994 | 1.0405 | 1.3164 | 1.0004 | 1.0907 | 1.2672 | 0.7581 | |
| | 1.4809 | 1.8466 | 1.4629 | 1.9224 | 1.7670 | 1.5187 | 2.3138 | |
| 13 | 1.0861 | 1.0985 | 1.1231 | 1.3172 | 1.2692 | 0.7807 | 0.3769 | |
| | 1.7601 | 1.7449 | 1.7045 | 1.4621 | 1.5164 | 2.2512 | 4.6014 | |
| 14 | 1.2879 | 1.2893 | 1.2929 | 1.2539 | 0.7609 | 0.3775 | | |
| | 1.4951 | 1.4936 | 1.4892 | 1.5340 | 2.3049 | 4.5944 | | |
| 15 | 0.6013 | 0.5440 | 0.5813 | 0.5002 | F-SUB-Q | | | |
| | 2.9150 | 3.2159 | 2.9921 | 3.4895 | M-SUB-Q | | | |

AT 100% POWER, 175 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4928 | 0.4149 | 0.3889 | 0.4290 | 0.5140 | 0.4348 | 0.4782 | 0.2518 |
| | 3.8595 | 4.5722 | 4.8975 | 4.4342 | 3.7083 | 4.3507 | 3.9893 | 6.9060 |
| 9 | 0.4149 | 0.4812 | 0.4248 | 0.5038 | 0.4465 | 0.4383 | 0.4778 | 0.2529 |
| | 4.5722 | 3.9545 | 4.4843 | 3.7816 | 4.2615 | 4.3277 | 3.9919 | 6.8548 |
| 10 | 0.3889 | 0.4250 | 0.3838 | 0.4279 | 0.5175 | 0.4482 | 0.4748 | 0.2334 |
| | 4.8975 | 4.4822 | 4.9646 | 4.4448 | 3.6842 | 4.2277 | 4.0164 | 7.4537 |
| 11 | 0.4290 | 0.5039 | 0.4282 | 0.5037 | 0.4388 | 0.5123 | 0.4556 | 0.2109 |
| | 4.4342 | 3.7807 | 4.4421 | 3.7841 | 4.3396 | 3.7222 | 4.1833 | 8.2099 |
| 12 | 0.5140 | 0.4465 | 0.5182 | 0.4394 | 0.4326 | 0.4689 | 0.3144 | |
| | 3.7083 | 4.2605 | 3.6796 | 4.3338 | 4.4094 | 4.0654 | 5.5311 | |
| 13 | 0.4348 | 0.4389 | 0.4492 | 0.5135 | 0.4697 | 0.3224 | 0.1661 | |
| | 4.3507 | 4.3217 | 4.2179 | 3.7134 | 4.0592 | 5.4036 | *10.3643 | |
| 14 | 0.4782 | 0.4775 | 0.4772 | 0.4585 | 0.3156 | 0.1663 | | |
| | 3.9893 | 3.9942 | 3.9968 | 4.1576 | 5.5093 | *10.3478 | | |
| 15 | 0.2518 | 0.2417 | 0.2446 | 0.2152 | F-SUB-Q | | | |
| | 6.9060 | 7.1816 | 7.0553 | 8.0466 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4544 | 0.4501 | 0.4489 | 0.4791 | 0.5469 | 0.4788 | 0.4948 | 0.2833 |
| | 3.4117 | 3.8847 | 4.1596 | 3.7739 | 3.3449 | 3.6913 | 3.6469 | 5.7070 |
| 9 | 0.4501 | 0.5191 | 0.4765 | 0.5418 | 0.4962 | 0.4781 | 0.4937 | 0.2838 |
| | 3.8847 | 3.5716 | 3.8976 | 3.4151 | 3.6341 | 3.7305 | 3.6707 | 5.6986 |
| 10 | 0.4489 | 0.4766 | 0.4444 | 0.4740 | 0.5415 | 0.4781 | 0.4858 | 0.2589 |
| | 4.1596 | 3.8967 | 4.1906 | 3.9044 | 3.4803 | 3.8283 | 3.8169 | 6.3324 |
| 11 | 0.4791 | 0.5419 | 0.4742 | 0.5249 | 0.4700 | 0.5177 | 0.4616 | 0.2390 |
| | 3.7739 | 3.4146 | 3.9031 | 3.5515 | 3.8791 | 3.5859 | 4.0657 | 7.0595 |
| 12 | 0.5469 | 0.4963 | 0.5418 | 0.4702 | 0.4217 | 0.4574 | 0.3305 | |
| | 3.3449 | 3.6334 | 3.4789 | 3.8774 | 3.8373 | 3.8047 | 5.0136 | |
| 13 | 0.4788 | 0.4783 | 0.4785 | 0.5185 | 0.4579 | 0.3309 | 0.1950 | |
| | 3.6913 | 3.7301 | 3.8240 | 3.5814 | 3.8012 | 4.6420 | 8.1491 | |
| 14 | 0.4948 | 0.4931 | 0.4869 | 0.4633 | 0.3315 | 0.1952 | | |
| | 3.6469 | 3.6755 | 3.8079 | 4.0496 | 4.9999 | 8.1391 | | |
| 15 | 0.2833 | 0.2665 | 0.2716 | 0.2427 | F-SUB-Q | | | |
| | 5.7070 | 6.0419 | 6.0138 | 6.9471 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1112 | 0.9501 | 0.9091 | 0.9727 | 1.1941 | 1.0442 | 1.1466 | 0.6253 |
| | 1.6130 | 1.9171 | 2.0995 | 1.9003 | 1.5686 | 1.7332 | 1.6098 | 2.6481 |
| 9 | 0.9501 | 1.1396 | 1.0394 | 1.1845 | 1.0258 | 1.0402 | 1.1447 | 0.6262 |
| | 1.9171 | 1.6519 | 1.8294 | 1.5956 | 1.7975 | 1.7475 | 1.6190 | 2.6485 |
| 10 | 0.9091 | 1.0396 | 0.8999 | 0.9628 | 1.1832 | 1.0493 | 1.1305 | 0.5385 |
| | 2.0995 | 1.8291 | 2.1163 | 1.9637 | 1.6259 | 1.7829 | 1.6746 | 3.1144 |
| 11 | 0.9727 | 1.1846 | 0.9631 | 1.1921 | 0.9624 | 1.1537 | 1.0855 | 0.5171 |
| | 1.9003 | 1.5954 | 1.9631 | 1.5957 | 1.9340 | 1.6396 | 1.7510 | 3.3324 |
| 12 | 1.1941 | 1.0260 | 1.1836 | 0.9628 | 0.9823 | 1.0990 | 0.7350 | |
| | 1.5686 | 1.7972 | 1.6253 | 1.9326 | 1.7779 | 1.6593 | 2.3009 | |
| 13 | 1.0442 | 1.0404 | 1.0506 | 1.1552 | 1.1000 | 0.7603 | 0.4199 | |
| | 1.7332 | 1.7484 | 1.7806 | 1.6378 | 1.6580 | 2.1405 | 3.8792 | |
| 14 | 1.1466 | 1.1428 | 1.1333 | 1.0897 | 0.7369 | 0.4204 | | |
| | 1.6098 | 1.6218 | 1.6704 | 1.7446 | 2.2949 | 3.8748 | | |
| 15 | 0.6253 | 0.5625 | 0.5948 | 0.5242 | F-SUB-Q | | | |
| | 2.6481 | 2.9297 | 2.8088 | 3.2861 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3650 | 1.1616 | 1.0944 | 1.1765 | 1.4243 | 1.2589 | 1.3690 | 0.7622 |
| | 1.3959 | 1.6227 | 1.7707 | 1.5940 | 1.3330 | 1.4506 | 1.3649 | 2.2018 |
| 9 | 1.1616 | 1.3664 | 1.2505 | 1.4111 | 1.2355 | 1.2644 | 1.3670 | 0.7608 |
| | 1.6227 | 1.4130 | 1.5423 | 1.3579 | 1.5134 | 1.4595 | 1.3726 | 2.2041 |
| 10 | 1.0944 | 1.2506 | 1.0866 | 1.1614 | 1.4032 | 1.2675 | 1.3618 | 0.6669 |
| | 1.7707 | 1.5421 | 1.7782 | 1.6500 | 1.3875 | 1.4932 | 1.4086 | 2.5482 |
| 11 | 1.1765 | 1.4112 | 1.1618 | 1.4177 | 1.1668 | 1.3774 | 1.3145 | 0.6350 |
| | 1.5940 | 1.3577 | 1.6495 | 1.3645 | 1.6225 | 1.3972 | 1.4661 | 2.7497 |
| 12 | 1.4243 | 1.2356 | 1.4037 | 1.1677 | 1.2258 | 1.3419 | 0.9066 | |
| | 1.3330 | 1.5132 | 1.3865 | 1.6213 | 1.5084 | 1.4010 | 1.8989 | |
| 13 | 1.2589 | 1.2647 | 1.2691 | 1.3795 | 1.3432 | 0.9396 | 0.5184 | |
| | 1.4506 | 1.4602 | 1.4904 | 1.3953 | 1.3998 | 1.7992 | 3.2110 | |
| 14 | 1.3690 | 1.3649 | 1.3653 | 1.3199 | 0.9090 | 0.5189 | | |
| | 1.3649 | 1.3753 | 1.4050 | 1.4603 | 1.8938 | 3.2074 | | |
| 15 | 0.7622 | 0.6941 | 0.7263 | 0.6448 | F-SUB-Q | | | |
| | 2.2018 | 2.4065 | 2.3315 | 2.7064 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5523 | 1.2796 | 1.1949 | 1.2924 | 1.6099 | 1.3928 | 1.5600 | 0.8265 |
| | 1.2565 | 1.5062 | 1.6454 | 1.4707 | 1.1946 | 1.3269 | 1.2116 | 2.0559 |
| 9 | 1.2796 | 1.5463 | 1.3761 | 1.5947 | 1.3583 | 1.3996 | 1.5582 | 0.8228 |
| | 1.5062 | 1.2738 | 1.4203 | 1.2173 | 1.3948 | 1.3353 | 1.2179 | 2.0636 |
| 10 | 1.1949 | 1.3762 | 1.1874 | 1.2777 | 1.5950 | 1.4032 | 1.5540 | 0.7212 |
| | 1.6454 | 1.4202 | 1.6496 | 1.5217 | 1.2380 | 1.3592 | 1.2480 | 2.3854 |
| 11 | 1.2924 | 1.5948 | 1.2781 | 1.6093 | 1.2900 | 1.5755 | 1.5060 | 0.6849 |
| | 1.4707 | 1.2171 | 1.5212 | 1.2228 | 1.4939 | 1.2415 | 1.2980 | 2.5793 |
| 12 | 1.6099 | 1.3585 | 1.5962 | 1.2910 | 1.3661 | 1.5366 | 0.9899 | |
| | 1.1946 | 1.3946 | 1.2371 | 1.4927 | 1.3842 | 1.2482 | 1.7706 | |
| 13 | 1.3928 | 1.3999 | 1.4062 | 1.5778 | 1.5380 | 1.0260 | 0.5570 | |
| | 1.3269 | 1.3360 | 1.3567 | 1.2398 | 1.2472 | 1.6865 | 3.0506 | |
| 14 | 1.5600 | 1.5554 | 1.5578 | 1.5122 | 0.9924 | 0.5575 | | |
| | 1.2116 | 1.2201 | 1.2450 | 1.2929 | 1.7660 | 3.0473 | | |
| 15 | 0.8265 | 0.7476 | 0.7850 | 0.6956 | F-SUB-Q | | | |
| | 2.0559 | 2.2625 | 2.1833 | 2.5381 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6313 | 1.3241 | 1.2301 | 1.3372 | 1.6888 | 1.4459 | 1.6453 | 0.8588 |
| | 1.2209 | 1.4857 | 1.6187 | 1.4416 | 1.1548 | 1.2951 | 1.1636 | 2.0061 |
| 9 | 1.3241 | 1.6200 | 1.4229 | 1.6726 | 1.4067 | 1.4555 | 1.6440 | 0.8571 |
| | 1.4857 | 1.2403 | 1.3914 | 1.1769 | 1.3657 | 1.3030 | 1.1690 | 2.0086 |
| 10 | 1.2301 | 1.4230 | 1.2223 | 1.3248 | 1.6834 | 1.4665 | 1.6411 | 0.7537 |
| | 1.6187 | 1.3912 | 1.6256 | 1.4876 | 1.1939 | 1.3204 | 1.1958 | 2.3131 |
| 11 | 1.3372 | 1.6727 | 1.3253 | 1.6949 | 1.3441 | 1.6692 | 1.5996 | 0.7158 |
| | 1.4416 | 1.1768 | 1.4871 | 1.1826 | 1.4613 | 1.1932 | 1.2435 | 2.4979 |
| 12 | 1.6888 | 1.4069 | 1.6846 | 1.3451 | 1.4247 | 1.6260 | 1.0379 | |
| | 1.1548 | 1.3655 | 1.1931 | 1.4603 | 1.3549 | 1.2033 | 1.7215 | |
| 13 | 1.4459 | 1.4558 | 1.4702 | 1.6715 | 1.6275 | 1.0692 | 0.5767 | |
| | 1.2951 | 1.3036 | 1.3180 | 1.1917 | 1.2024 | 1.6531 | 3.0104 | |
| 14 | 1.6453 | 1.6411 | 1.6450 | 1.6057 | 1.0404 | 0.5772 | | |
| | 1.1636 | 1.1711 | 1.1927 | 1.2389 | 1.7172 | 3.0073 | | |
| 15 | 0.8588 | 0.7802 | 0.8179 | 0.7268 | F-SUB-Q | | | |
| | 2.0061 | 2.1983 | 2.1234 | 2.4587 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6605 | 1.3382 | 1.2406 | 1.3519 | 1.7189 | 1.4654 | 1.6820 | 0.8745 |
| | 1.2235 | 1.4985 | 1.6208 | 1.4488 | 1.1533 | 1.2982 | 1.1559 | 2.0028 |
| 9 | 1.3382 | 1.6461 | 1.4378 | 1.7021 | 1.4236 | 1.4770 | 1.6812 | 0.8749 |
| | 1.4985 | 1.2437 | 1.3977 | 1.1751 | 1.3712 | 1.3057 | 1.1606 | 2.0000 |
| 10 | 1.2406 | 1.4380 | 1.2312 | 1.3437 | 1.7217 | 1.4943 | 1.6800 | 0.7726 |
| | 1.6208 | 1.3976 | 1.6386 | 1.4907 | 1.1843 | 1.3168 | 1.1836 | 2.2910 |
| 11 | 1.3519 | 1.7023 | 1.3442 | 1.7309 | 1.3674 | 1.7118 | 1.6428 | 0.7341 |
| | 1.4488 | 1.1750 | 1.4902 | 1.1772 | 1.4614 | 1.1825 | 1.2290 | 2.4673 |
| 12 | 1.7189 | 1.4237 | 1.7230 | 1.3683 | 1.4492 | 1.6663 | 1.0652 | |
| | 1.1533 | 1.3711 | 1.1835 | 1.4604 | 1.3596 | 1.1987 | 1.7093 | |
| 13 | 1.4654 | 1.4773 | 1.4979 | 1.7140 | 1.6678 | 1.0915 | 0.5870 | |
| | 1.2982 | 1.3061 | 1.3145 | 1.1810 | 1.1978 | 1.6569 | 3.0250 | |
| 14 | 1.6820 | 1.6786 | 1.6840 | 1.6489 | 1.0677 | 0.5875 | | |
| | 1.1559 | 1.1626 | 1.1806 | 1.2246 | 1.7052 | 3.0219 | | |
| 15 | 0.8745 | 0.7995 | 0.8363 | 0.7453 | F-SUB-Q | | | |
| | 2.0028 | 2.1806 | 2.1087 | 2.4289 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6883 | 1.3481 | 1.2448 | 1.3620 | 1.7477 | 1.4822 | 1.7181 | 0.8784 |
| | 1.2268 | 1.5146 | 1.6452 | 1.4662 | 1.1563 | 1.3078 | 1.1531 | 2.0333 |
| 9 | 1.3481 | 1.6715 | 1.4501 | 1.7308 | 1.4360 | 1.4954 | 1.7177 | 0.8786 |
| | 1.5146 | 1.2446 | 1.4089 | 1.1773 | 1.3858 | 1.3132 | 1.1569 | 2.0307 |
| 10 | 1.2448 | 1.4502 | 1.2376 | 1.3568 | 1.7583 | 1.5180 | 1.7183 | 0.7752 |
| | 1.6452 | 1.4087 | 1.6570 | 1.4993 | 1.1713 | 1.3168 | 1.1754 | 2.3246 |
| 11 | 1.3620 | 1.7309 | 1.3572 | 1.7653 | 1.3839 | 1.7521 | 1.6838 | 0.7363 |
| | 1.4662 | 1.1772 | 1.4989 | 1.1691 | 1.4628 | 1.1702 | 1.2117 | 2.4930 |
| 12 | 1.7477 | 1.4361 | 1.7595 | 1.3848 | 1.4701 | 1.7045 | 1.0736 | |
| | 1.1563 | 1.3857 | 1.1706 | 1.4618 | 1.3673 | 1.1951 | 1.7243 | |
| 13 | 1.4822 | 1.4957 | 1.5215 | 1.7542 | 1.7059 | 1.0975 | 0.5868 | |
| | 1.3078 | 1.3130 | 1.3136 | 1.1688 | 1.1942 | 1.6814 | 3.0890 | |
| 14 | 1.7181 | 1.7161 | 1.7226 | 1.6898 | 1.0759 | 0.5872 | | |
| | 1.1531 | 1.1589 | 1.1724 | 1.2074 | 1.7202 | 3.0860 | | |
| 15 | 0.8784 | 0.8018 | 0.8401 | 0.7468 | F-SUB-Q | | | |
| | 2.0333 | 2.2174 | 2.1365 | 2.4567 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6980 | 1.3487 | 1.2425 | 1.3626 | 1.7574 | 1.4869 | 1.7345 | 0.8796 |
| | 1.2404 | 1.5402 | 1.6762 | 1.4996 | 1.1768 | 1.3336 | 1.1686 | 2.0790 |
| 9 | 1.3487 | 1.6794 | 1.4512 | 1.7406 | 1.4377 | 1.5013 | 1.7345 | 0.8802 |
| | 1.5402 | 1.2608 | 1.4306 | 1.1966 | 1.4163 | 1.3357 | 1.1715 | 2.0748 |
| 10 | 1.2425 | 1.4515 | 1.2357 | 1.3598 | 1.7747 | 1.5282 | 1.7370 | 0.7768 |
| | 1.6762 | 1.4304 | 1.6860 | 1.5216 | 1.1830 | 1.3288 | 1.1849 | 2.3693 |
| 11 | 1.3626 | 1.7407 | 1.3603 | 1.7796 | 1.3897 | 1.7717 | 1.7046 | 0.7378 |
| | 1.4996 | 1.1966 | 1.5211 | 1.1812 | 1.4835 | 1.1778 | 1.2187 | 2.5229 |
| 12 | 1.7574 | 1.4377 | 1.7758 | 1.3906 | 1.4783 | 1.7231 | 1.0790 | |
| | 1.1768 | 1.4162 | 1.1822 | 1.4826 | 1.3814 | 1.2004 | 1.7433 | |
| 13 | 1.4869 | 1.5017 | 1.5316 | 1.7738 | 1.7244 | 1.1004 | 0.5858 | |
| | 1.3336 | 1.3355 | 1.3255 | 1.1764 | 1.1996 | 1.7063 | 3.1402 | |
| 14 | 1.7345 | 1.7337 | 1.7413 | 1.7106 | 1.0813 | 0.5862 | | |
| | 1.1686 | 1.1735 | 1.1819 | 1.2145 | 1.7393 | 3.1372 | | |
| 15 | 0.8796 | 0.8033 | 0.8422 | 0.7484 | F-SUB-Q | | | |
| | 2.0790 | 2.2655 | 2.1767 | 2.4864 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7100 | 1.3495 | 1.2410 | 1.3632 | 1.7693 | 1.4924 | 1.7521 | 0.8782 |
| | 1.2707 | 1.5853 | 1.7200 | 1.5405 | 1.2016 | 1.3662 | 1.1893 | 2.1416 |
| 9 | 1.3495 | 1.6901 | 1.4538 | 1.7525 | 1.4395 | 1.5077 | 1.7527 | 0.8771 |
| | 1.5853 | 1.2890 | 1.4607 | 1.2202 | 1.4537 | 1.3644 | 1.1912 | 2.1405 |
| 10 | 1.2410 | 1.4541 | 1.2351 | 1.3625 | 1.7923 | 1.5377 | 1.7565 | 0.7746 |
| | 1.7200 | 1.4604 | 1.7239 | 1.5525 | 1.1941 | 1.3463 | 1.1992 | 2.4373 |
| 11 | 1.3632 | 1.7525 | 1.3629 | 1.7954 | 1.3944 | 1.7920 | 1.7254 | 0.7343 |
| | 1.5405 | 1.2202 | 1.5521 | 1.1997 | 1.5160 | 1.1933 | 1.2281 | 2.5873 |
| 12 | 1.7693 | 1.4395 | 1.7934 | 1.3951 | 1.4865 | 1.7425 | 1.0794 | |
| | 1.2015 | 1.4536 | 1.1934 | 1.5150 | 1.4140 | 1.2199 | 1.7894 | |
| 13 | 1.4924 | 1.5080 | 1.5411 | 1.7940 | 1.7436 | 1.0995 | 0.5827 | |
| | 1.3662 | 1.3642 | 1.3431 | 1.1919 | 1.2191 | 1.7552 | 3.2395 | |
| 14 | 1.7521 | 1.7523 | 1.7608 | 1.7313 | 1.0816 | 0.5831 | | |
| | 1.1893 | 1.1932 | 1.1962 | 1.2238 | 1.7854 | 3.2366 | | |
| 15 | 0.8782 | 0.8009 | 0.8408 | 0.7455 | F-SUB-Q | | | |
| | 2.1416 | 2.3362 | 2.2362 | 2.5476 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6891 | 1.3372 | 1.2392 | 1.3509 | 1.7482 | 1.4801 | 1.7349 | 0.8802 |
| | 1.3284 | 1.6488 | 1.7731 | 1.6059 | 1.2565 | 1.4238 | 1.2410 | 2.2080 |
| 9 | 1.3372 | 1.6687 | 1.4387 | 1.7314 | 1.4265 | 1.4956 | 1.7361 | 0.8835 |
| | 1.6488 | 1.3418 | 1.5207 | 1.2746 | 1.5154 | 1.4180 | 1.2420 | 2.1956 |
| 10 | 1.2392 | 1.4390 | 1.2268 | 1.3516 | 1.7745 | 1.5270 | 1.7409 | 0.7839 |
| | 1.7731 | 1.5204 | 1.7874 | 1.6096 | 1.2395 | 1.3938 | 1.2451 | 2.4829 |
| 11 | 1.3509 | 1.7315 | 1.3520 | 1.7769 | 1.3852 | 1.7761 | 1.7118 | 0.7450 |
| | 1.6059 | 1.2746 | 1.6092 | 1.2434 | 1.5647 | 1.2339 | 1.2700 | 2.6224 |
| 12 | 1.7482 | 1.4265 | 1.7755 | 1.3859 | 1.4751 | 1.7275 | 1.0895 | |
| | 1.2565 | 1.5153 | 1.2388 | 1.5638 | 1.4702 | 1.2679 | 1.8175 | |
| 13 | 1.4801 | 1.4958 | 1.5303 | 1.7781 | 1.7287 | 1.1058 | 0.5869 | |
| | 1.4238 | 1.4178 | 1.3906 | 1.2325 | 1.2670 | 1.8038 | 3.3111 | |
| 14 | 1.7349 | 1.7357 | 1.7453 | 1.7176 | 1.0916 | 0.5873 | | |
| | 1.2410 | 1.2440 | 1.2420 | 1.2657 | 1.8135 | 3.3080 | | |
| 15 | 0.8802 | 0.8105 | 0.8496 | 0.7547 | F-SUB-Q | | | |
| | 2.2080 | 2.3852 | 2.2815 | 2.5878 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7165 | 1.3449 | 1.2341 | 1.3576 | 1.7751 | 1.4933 | 1.7668 | 0.8759 |
| | 1.3511 | 1.6950 | 1.8469 | 1.6600 | 1.2860 | 1.4663 | 1.2660 | 2.3048 |
| 9 | 1.3449 | 1.6944 | 1.4498 | 1.7581 | 1.4351 | 1.5098 | 1.7693 | 0.8770 |
| | 1.6950 | 1.3672 | 1.5653 | 1.3032 | 1.5650 | 1.4573 | 1.2661 | 2.2968 |
| 10 | 1.2341 | 1.4502 | 1.2264 | 1.3599 | 1.8060 | 1.5451 | 1.7750 | 0.7749 |
| | 1.8469 | 1.5650 | 1.8545 | 1.6590 | 1.2622 | 1.4273 | 1.2649 | 2.6041 |
| 11 | 1.3576 | 1.7582 | 1.3603 | 1.8072 | 1.3953 | 1.8112 | 1.7473 | 0.7349 |
| | 1.6600 | 1.3032 | 1.6586 | 1.2662 | 1.6085 | 1.2524 | 1.2877 | 2.7495 |
| 12 | 1.7751 | 1.4350 | 1.8069 | 1.3959 | 1.4918 | 1.7616 | 1.0836 | |
| | 1.2860 | 1.5650 | 1.2617 | 1.6077 | 1.4998 | 1.2828 | 1.8873 | |
| 13 | 1.4933 | 1.5100 | 1.5483 | 1.8129 | 1.7626 | 1.1003 | 0.5791 | |
| | 1.4663 | 1.4571 | 1.4241 | 1.2512 | 1.2820 | 1.8674 | 3.4547 | |
| 14 | 1.7668 | 1.7688 | 1.7792 | 1.7531 | 1.0857 | 0.5795 | | |
| | 1.2660 | 1.2667 | 1.2618 | 1.2834 | 1.8833 | 3.4517 | | |
| 15 | 0.8759 | 0.8010 | 0.8410 | 0.7457 | F-SUB-Q | | | |
| | 2.3048 | 2.5063 | 2.3894 | 2.7085 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7223 | 1.3449 | 1.2337 | 1.3571 | 1.7805 | 1.4956 | 1.7759 | 0.8761 |
| | 1.4006 | 1.7500 | 1.8993 | 1.7192 | 1.3388 | 1.5284 | 1.3146 | 2.4040 |
| 9 | 1.3449 | 1.6993 | 1.4503 | 1.7636 | 1.4351 | 1.5129 | 1.7792 | 0.8777 |
| | 1.7500 | 1.4123 | 1.6151 | 1.3524 | 1.6269 | 1.5166 | 1.3132 | 2.3938 |
| 10 | 1.2337 | 1.4506 | 1.2243 | 1.3606 | 1.8150 | 1.5506 | 1.7860 | 0.7759 |
| | 1.8993 | 1.6147 | 1.9163 | 1.7253 | 1.3090 | 1.4798 | 1.3095 | 2.7099 |
| 11 | 1.3571 | 1.7636 | 1.3609 | 1.8152 | 1.3976 | 1.8225 | 1.7600 | 0.7361 |
| | 1.7192 | 1.3524 | 1.7249 | 1.3145 | 1.6740 | 1.2972 | 1.3308 | 2.8535 |
| 12 | 1.7805 | 1.4350 | 1.8157 | 1.3982 | 1.4964 | 1.7728 | 1.0875 | |
| | 1.3388 | 1.6269 | 1.3085 | 1.6733 | 1.5561 | 1.3263 | 1.9571 | |
| 13 | 1.4956 | 1.5131 | 1.5537 | 1.8241 | 1.7738 | 1.1025 | 0.5782 | |
| | 1.5284 | 1.5164 | 1.4767 | 1.2959 | 1.3256 | 1.9375 | 3.5940 | |
| 14 | 1.7759 | 1.7788 | 1.7902 | 1.7657 | 1.0895 | 0.5785 | | |
| | 1.3146 | 1.3135 | 1.3064 | 1.3264 | 1.9531 | 3.5911 | | |
| 15 | 0.8761 | 0.8020 | 0.8423 | 0.7466 | F-SUB-Q | | | |
| | 2.4040 | 2.6114 | 2.4855 | 2.8121 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7101 | 1.3386 | 1.2366 | 1.3504 | 1.7681 | 1.4891 | 1.7669 | 0.8795 |
| | 1.3765 | 1.7149 | 1.8460 | 1.6829 | 1.3136 | 1.5160 | 1.3151 | 2.3781 |
| 9 | 1.3386 | 1.6867 | 1.4417 | 1.7512 | 1.4280 | 1.5073 | 1.7707 | 0.8836 |
| | 1.7149 | 1.3880 | 1.5832 | 1.3272 | 1.5926 | 1.5069 | 1.3154 | 2.3616 |
| 10 | 1.2366 | 1.4421 | 1.2248 | 1.3549 | 1.8053 | 1.5459 | 1.7785 | 0.7846 |
| | 1.8460 | 1.5828 | 1.8700 | 1.6883 | 1.2979 | 1.4761 | 1.3136 | 2.6650 |
| 11 | 1.3504 | 1.7512 | 1.3553 | 1.8050 | 1.3934 | 1.8146 | 1.7541 | 0.7456 |
| | 1.6829 | 1.3272 | 1.6879 | 1.2995 | 1.6508 | 1.2963 | 1.3387 | 2.8116 |
| 12 | 1.7681 | 1.4278 | 1.8059 | 1.3939 | 1.4907 | 1.7657 | 1.0984 | |
| | 1.3136 | 1.5927 | 1.2975 | 1.6501 | 1.5660 | 1.3402 | 1.9385 | |
| 13 | 1.4891 | 1.5074 | 1.5489 | 1.8162 | 1.7667 | 1.1103 | 0.5826 | |
| | 1.5160 | 1.5068 | 1.4732 | 1.2953 | 1.3395 | 1.9331 | 3.5828 | |
| 14 | 1.7669 | 1.7703 | 1.7827 | 1.7598 | 1.1004 | 0.5829 | | |
| | 1.3151 | 1.3161 | 1.3106 | 1.3345 | 1.9347 | 3.5799 | | |
| 15 | 0.8795 | 0.8113 | 0.8516 | 0.7553 | F-SUB-Q | | | |
| | 2.3781 | 2.5622 | 2.4461 | 2.7753 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7412 | 1.3500 | 1.2349 | 1.3607 | 1.7987 | 1.5057 | 1.8027 | 0.8771 |
| | 1.3225 | 1.6635 | 1.8089 | 1.6349 | 1.2638 | 1.4673 | 1.2613 | 2.3340 |
| 9 | 1.3500 | 1.7161 | 1.4564 | 1.7817 | 1.4400 | 1.5249 | 1.8076 | 0.8785 |
| | 1.6635 | 1.3346 | 1.5340 | 1.2766 | 1.5459 | 1.4571 | 1.2606 | 2.3245 |
| 10 | 1.2349 | 1.4568 | 1.2239 | 1.3665 | 1.8400 | 1.5675 | 1.8166 | 0.7772 |
| | 1.8089 | 1.5335 | 1.8271 | 1.6371 | 1.2447 | 1.4228 | 1.2573 | 2.6315 |
| 11 | 1.3607 | 1.7817 | 1.3668 | 1.8388 | 1.4067 | 1.8524 | 1.7941 | 0.7373 |
| | 1.6349 | 1.2766 | 1.6367 | 1.2467 | 1.5979 | 1.2405 | 1.2784 | 2.7789 |
| 12 | 1.7987 | 1.4398 | 1.8405 | 1.4072 | 1.5110 | 1.8036 | 1.0955 | |
| | 1.2638 | 1.5460 | 1.2444 | 1.5974 | 1.5084 | 1.2810 | 1.8975 | |
| 13 | 1.5057 | 1.5251 | 1.5705 | 1.8538 | 1.8044 | 1.1076 | 0.5760 | |
| | 1.4673 | 1.4570 | 1.4200 | 1.2396 | 1.2804 | 1.8906 | 3.5348 | |
| 14 | 1.8027 | 1.8072 | 1.8210 | 1.7998 | 1.0974 | 0.5763 | | |
| | 1.2613 | 1.2609 | 1.2545 | 1.2745 | 1.8939 | 3.5321 | | |
| 15 | 0.8771 | 0.8036 | 0.8451 | 0.7481 | F-SUB-Q | | | |
| | 2.3340 | 2.5315 | 2.4111 | 2.7387 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7575 | 1.3567 | 1.2374 | 1.3668 | 1.8150 | 1.5155 | 1.8231 | 0.8785 |
| | 1.2709 | 1.6016 | 1.7439 | 1.5737 | 1.2135 | 1.4126 | 1.2099 | 2.2518 |
| 9 | 1.3567 | 1.7313 | 1.4641 | 1.7979 | 1.4469 | 1.5357 | 1.8289 | 0.8781 |
| | 1.6016 | 1.2808 | 1.4748 | 1.2252 | 1.4888 | 1.4028 | 1.2091 | 2.2476 |
| 10 | 1.2374 | 1.4645 | 1.2273 | 1.3736 | 1.8594 | 1.5812 | 1.8390 | 0.7777 |
| | 1.7439 | 1.4744 | 1.7595 | 1.5764 | 1.1953 | 1.3687 | 1.2056 | 2.5416 |
| 11 | 1.3668 | 1.7979 | 1.3739 | 1.8576 | 1.4154 | 1.8745 | 1.8184 | 0.7368 |
| | 1.5737 | 1.2252 | 1.5761 | 1.1972 | 1.5395 | 1.1907 | 1.2246 | 2.6865 |
| 12 | 1.8150 | 1.4466 | 1.8600 | 1.4158 | 1.5231 | 1.8260 | 1.1002 | |
| | 1.2135 | 1.4889 | 1.1950 | 1.5390 | 1.4544 | 1.2298 | 1.8307 | |
| 13 | 1.5155 | 1.5358 | 1.5841 | 1.8758 | 1.8268 | 1.1111 | 0.5746 | |
| | 1.4126 | 1.4027 | 1.3662 | 1.1899 | 1.2293 | 1.8275 | 3.4199 | |
| 14 | 1.8231 | 1.8286 | 1.8446 | 1.8242 | 1.1020 | 0.5749 | | |
| | 1.2099 | 1.2093 | 1.2029 | 1.2210 | 1.8274 | 3.4175 | | |
| 15 | 0.8785 | 0.8041 | 0.8467 | 0.7480 | F-SUB-Q | | | |
| | 2.2518 | 2.4447 | 2.3258 | 2.6465 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7664 | 1.3612 | 1.2437 | 1.3711 | 1.8248 | 1.5224 | 1.8357 | 0.8824 |
| | 1.2261 | 1.5482 | 1.6835 | 1.5221 | 1.1705 | 1.3637 | 1.1648 | 2.1742 |
| 9 | 1.3612 | 1.7398 | 1.4695 | 1.8076 | 1.4519 | 1.5433 | 1.8421 | 0.8851 |
| | 1.5482 | 1.2358 | 1.4255 | 1.1819 | 1.4392 | 1.3531 | 1.1633 | 2.1624 |
| 10 | 1.2437 | 1.4700 | 1.2299 | 1.3786 | 1.8717 | 1.5903 | 1.8531 | 0.7832 |
| | 1.6835 | 1.4250 | 1.7032 | 1.5228 | 1.1504 | 1.3182 | 1.1590 | 2.4466 |
| 11 | 1.3711 | 1.8076 | 1.3789 | 1.8695 | 1.4217 | 1.8884 | 1.8334 | 0.7430 |
| | 1.5221 | 1.1819 | 1.5225 | 1.1525 | 1.4848 | 1.1444 | 1.1759 | 2.5813 |
| 12 | 1.8248 | 1.4517 | 1.8722 | 1.4221 | 1.5312 | 1.8400 | 1.1090 | |
| | 1.1705 | 1.4394 | 1.1501 | 1.4844 | 1.4004 | 1.1809 | 1.7579 | |
| 13 | 1.5224 | 1.5435 | 1.5932 | 1.8897 | 1.8408 | 1.1185 | 0.5770 | |
| | 1.3637 | 1.3530 | 1.3158 | 1.1437 | 1.1804 | 1.7567 | 3.2966 | |
| 14 | 1.8357 | 1.8418 | 1.8595 | 1.8391 | 1.1109 | 0.5773 | | |
| | 1.1648 | 1.1635 | 1.1564 | 1.1724 | 1.7547 | 3.2943 | | |
| 15 | 0.8824 | 0.8099 | 0.8524 | 0.7536 | F-SUB-Q | | | |
| | 2.1742 | 2.3538 | 2.2397 | 2.5451 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7621 | 1.3615 | 1.2529 | 1.3718 | 1.8220 | 1.5233 | 1.8343 | 0.8891 |
| | 1.2907 | 1.6266 | 1.7588 | 1.6009 | 1.2331 | 1.4332 | 1.2252 | 2.2694 |
| 9 | 1.3615 | 1.7353 | 1.4688 | 1.8046 | 1.4526 | 1.5447 | 1.8411 | 0.8941 |
| | 1.6266 | 1.3019 | 1.5005 | 1.2452 | 1.5135 | 1.4211 | 1.2229 | 2.2512 |
| 10 | 1.2529 | 1.4693 | 1.2406 | 1.3795 | 1.8702 | 1.5924 | 1.8538 | 0.7943 |
| | 1.7588 | 1.5000 | 1.7805 | 1.5997 | 1.2093 | 1.3827 | 1.2176 | 2.5359 |
| 11 | 1.3718 | 1.8045 | 1.3799 | 1.8677 | 1.4240 | 1.8881 | 1.8337 | 0.7546 |
| | 1.6009 | 1.2452 | 1.5994 | 1.2116 | 1.5571 | 1.2013 | 1.2337 | 2.6700 |
| 12 | 1.8220 | 1.4524 | 1.8707 | 1.4244 | 1.5321 | 1.8398 | 1.1235 | |
| | 1.2331 | 1.5136 | 1.2090 | 1.5566 | 1.4676 | 1.2378 | 1.8207 | |
| 13 | 1.5233 | 1.5449 | 1.5953 | 1.8895 | 1.8406 | 1.1303 | 0.5831 | |
| | 1.4332 | 1.4209 | 1.3801 | 1.2005 | 1.2373 | 1.8225 | 3.4227 | |
| 14 | 1.8343 | 1.8409 | 1.8600 | 1.8396 | 1.1254 | 0.5834 | | |
| | 1.2252 | 1.2231 | 1.2146 | 1.2300 | 1.8174 | 3.4202 | | |
| 15 | 0.8891 | 0.8216 | 0.8643 | 0.7646 | F-SUB-Q | | | |
| | 2.2694 | 2.4403 | 2.3222 | 2.6352 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7988 | 1.3762 | 1.2531 | 1.3861 | 1.8600 | 1.5439 | 1.8761 | 0.8861 |
| | 1.2247 | 1.5614 | 1.7107 | 1.5423 | 1.1755 | 1.3776 | 1.1669 | 2.2215 |
| 9 | 1.3762 | 1.7710 | 1.4883 | 1.8422 | 1.4689 | 1.5663 | 1.8837 | 0.8865 |
| | 1.5614 | 1.2384 | 1.4405 | 1.1867 | 1.4569 | 1.3650 | 1.1640 | 2.2149 |
| 10 | 1.2531 | 1.4889 | 1.2395 | 1.3940 | 1.9105 | 1.6171 | 1.8972 | 0.7851 |
| | 1.7107 | 1.4400 | 1.7305 | 1.5400 | 1.1511 | 1.3250 | 1.1581 | 2.5020 |
| 11 | 1.3861 | 1.8422 | 1.3944 | 1.9076 | 1.4395 | 1.9308 | 1.8779 | 0.7437 |
| | 1.5423 | 1.1867 | 1.5396 | 1.1531 | 1.4978 | 1.1420 | 1.1719 | 2.6412 |
| 12 | 1.8600 | 1.4686 | 1.9111 | 1.4400 | 1.5556 | 1.8826 | 1.1187 | |
| | 1.1755 | 1.4570 | 1.1508 | 1.4973 | 1.4024 | 1.1754 | 1.7788 | |
| 13 | 1.5439 | 1.5666 | 1.6202 | 1.9322 | 1.8835 | 1.1272 | 0.5753 | |
| | 1.3776 | 1.3648 | 1.3224 | 1.1412 | 1.1749 | 1.7757 | 3.3811 | |
| 14 | 1.8761 | 1.8836 | 1.9046 | 1.8840 | 1.1206 | 0.5756 | | |
| | 1.1669 | 1.1641 | 1.1548 | 1.1683 | 1.7754 | 3.3787 | | |
| 15 | 0.8861 | 0.8122 | 0.8567 | 0.7552 | F-SUB-Q | | | |
| | 2.2215 | 2.4081 | 2.2845 | 2.6013 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8023 | 1.3769 | 1.2531 | 1.3868 | 1.8658 | 1.5469 | 1.8831 | 0.8837 |
| | 1.1771 | 1.5065 | 1.6565 | 1.4926 | 1.1340 | 1.3310 | 1.1247 | 2.1573 |
| 9 | 1.3769 | 1.7749 | 1.4905 | 1.8475 | 1.4703 | 1.5696 | 1.8907 | 0.8842 |
| | 1.5065 | 1.1934 | 1.3923 | 1.1450 | 1.4092 | 1.3179 | 1.1214 | 2.1506 |
| 10 | 1.2531 | 1.4911 | 1.2384 | 1.3939 | 1.9153 | 1.6207 | 1.9047 | 0.7825 |
| | 1.6565 | 1.3917 | 1.6767 | 1.4895 | 1.1093 | 1.2778 | 1.1149 | 2.4301 |
| 11 | 1.3868 | 1.8475 | 1.3943 | 1.9131 | 1.4399 | 1.9363 | 1.8843 | 0.7411 |
| | 1.4926 | 1.1451 | 1.4892 | 1.1106 | 1.4466 | 1.0993 | 1.1278 | 2.5645 |
| 12 | 1.8658 | 1.4701 | 1.9161 | 1.4405 | 1.5586 | 1.8895 | 1.1177 | |
| | 1.1340 | 1.4093 | 1.1089 | 1.4461 | 1.3473 | 1.1286 | 1.7189 | |
| 13 | 1.5469 | 1.5700 | 1.6240 | 1.9391 | 1.8905 | 1.1268 | 0.5722 | |
| | 1.3310 | 1.3177 | 1.2752 | 1.0978 | 1.1281 | 1.7121 | 3.2835 | |
| 14 | 1.8831 | 1.8908 | 1.9124 | 1.8908 | 1.1198 | 0.5725 | | |
| | 1.1247 | 1.1214 | 1.1111 | 1.1242 | 1.7155 | 3.2811 | | |
| 15 | 0.8837 | 0.8098 | 0.8550 | 0.7526 | F-SUB-Q | | | |
| | 2.1573 | 2.3391 | 2.2160 | 2.5251 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7574 | 1.3549 | 1.2468 | 1.3656 | 1.8230 | 1.5224 | 1.8375 | 0.8779 |
| | 1.1712 | 1.4869 | 1.6204 | 1.4751 | 1.1287 | 1.3155 | 1.1203 | 2.1134 |
| 9 | 1.3549 | 1.7323 | 1.4662 | 1.8034 | 1.4477 | 1.5452 | 1.8445 | 0.8833 |
| | 1.4869 | 1.1873 | 1.3770 | 1.1405 | 1.3924 | 1.3017 | 1.1169 | 2.0951 |
| 10 | 1.2468 | 1.4668 | 1.2324 | 1.3708 | 1.8669 | 1.5922 | 1.8578 | 0.7832 |
| | 1.6204 | 1.3764 | 1.6416 | 1.4725 | 1.1052 | 1.2634 | 1.1098 | 2.3620 |
| 11 | 1.3656 | 1.8035 | 1.3712 | 1.8666 | 1.4160 | 1.8864 | 1.8354 | 0.7430 |
| | 1.4751 | 1.1405 | 1.4721 | 1.1052 | 1.4289 | 1.0949 | 1.1235 | 2.4871 |
| 12 | 1.8230 | 1.4475 | 1.8678 | 1.4167 | 1.5310 | 1.8427 | 1.1156 | |
| | 1.1287 | 1.3925 | 1.1048 | 1.4283 | 1.3299 | 1.1216 | 1.6716 | |
| 13 | 1.5224 | 1.5456 | 1.5957 | 1.8890 | 1.8438 | 1.1245 | 0.5717 | |
| | 1.3155 | 1.3013 | 1.2606 | 1.0935 | 1.1210 | 1.6638 | 3.1918 | |
| 14 | 1.8375 | 1.8447 | 1.8652 | 1.8422 | 1.1178 | 0.5721 | | |
| | 1.1203 | 1.1168 | 1.1055 | 1.1196 | 1.6681 | 3.1892 | | |
| 15 | 0.8779 | 0.8112 | 0.8556 | 0.7536 | F-SUB-Q | | | |
| | 2.1134 | 2.2726 | 2.1541 | 2.4519 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7205 | 1.3265 | 1.2096 | 1.3366 | 1.7874 | 1.4939 | 1.7995 | 0.8466 |
| | 1.1677 | 1.4834 | 1.6335 | 1.4737 | 1.1248 | 1.3102 | 1.1172 | 2.1433 |
| 9 | 1.3265 | 1.6984 | 1.4405 | 1.7676 | 1.4184 | 1.5169 | 1.8058 | 0.8482 |
| | 1.4834 | 1.1825 | 1.3702 | 1.1369 | 1.3894 | 1.2954 | 1.1138 | 2.1333 |
| 10 | 1.2096 | 1.4411 | 1.1938 | 1.3395 | 1.8261 | 1.5608 | 1.8184 | 0.7467 |
| | 1.6335 | 1.3696 | 1.6555 | 1.4722 | 1.1030 | 1.2582 | 1.1068 | 2.4222 |
| 11 | 1.3366 | 1.7676 | 1.3400 | 1.8271 | 1.3827 | 1.8435 | 1.7920 | 0.7073 |
| | 1.4737 | 1.1369 | 1.4718 | 1.1021 | 1.4289 | 1.0931 | 1.1225 | 2.5531 |
| 12 | 1.7874 | 1.4182 | 1.8270 | 1.3833 | 1.5024 | 1.8036 | 1.0706 | |
| | 1.1248 | 1.3895 | 1.1025 | 1.4282 | 1.3219 | 1.1171 | 1.6998 | |
| 13 | 1.4939 | 1.5174 | 1.5645 | 1.8456 | 1.8048 | 1.0861 | 0.5474 | |
| | 1.3102 | 1.2950 | 1.2552 | 1.0919 | 1.1164 | 1.6805 | 3.2568 | |
| 14 | 1.7995 | 1.8062 | 1.8246 | 1.7991 | 1.0728 | 0.5477 | | |
| | 1.1172 | 1.1137 | 1.1028 | 1.1182 | 1.6960 | 3.2541 | | |
| 15 | 0.8466 | 0.7742 | 0.8194 | 0.7189 | F-SUB-Q | | | |
| | 2.1433 | 2.3284 | 2.1990 | 2.5121 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5742 | 1.2348 | 1.1238 | 1.2428 | 1.6376 | 1.3883 | 1.6429 | 0.7861 |
| | 1.2516 | 1.5641 | 1.7265 | 1.5564 | 1.2046 | 1.3840 | 1.2004 | 2.2675 |
| 9 | 1.2348 | 1.5569 | 1.3410 | 1.6192 | 1.3199 | 1.4095 | 1.6475 | 0.7859 |
| | 1.5641 | 1.2653 | 1.4453 | 1.2177 | 1.4659 | 1.3681 | 1.1974 | 2.2616 |
| 10 | 1.1238 | 1.3416 | 1.1135 | 1.2451 | 1.6694 | 1.4476 | 1.6577 | 0.6883 |
| | 1.7265 | 1.4446 | 1.7430 | 1.5545 | 1.1833 | 1.3307 | 1.1904 | 2.5814 |
| 11 | 1.2428 | 1.6193 | 1.2455 | 1.6711 | 1.2837 | 1.6817 | 1.6285 | 0.6511 |
| | 1.5564 | 1.2177 | 1.5541 | 1.1816 | 1.5102 | 1.1747 | 1.2106 | 2.7241 |
| 12 | 1.6376 | 1.3197 | 1.6703 | 1.2843 | 1.3948 | 1.6461 | 0.9905 | |
| | 1.2046 | 1.4661 | 1.1827 | 1.5095 | 1.3961 | 1.1992 | 1.8023 | |
| 13 | 1.3883 | 1.4100 | 1.4512 | 1.6837 | 1.6472 | 1.0092 | 0.5073 | |
| | 1.3840 | 1.3676 | 1.3274 | 1.1734 | 1.1985 | 1.7739 | 3.4516 | |
| 14 | 1.6429 | 1.6477 | 1.6632 | 1.6355 | 0.9926 | 0.5076 | | |
| | 1.2004 | 1.1973 | 1.1865 | 1.2056 | 1.7981 | 3.4486 | | |
| 15 | 0.7861 | 0.7165 | 0.7597 | 0.6622 | F-SUB-Q | | | |
| | 2.2675 | 2.4719 | 2.3297 | 2.6783 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3032 | 1.0156 | 0.9254 | 1.0179 | 1.3445 | 1.1313 | 1.3428 | 0.6462 |
| | 1.4891 | 1.8742 | 2.0673 | 1.8732 | 1.4450 | 1.6738 | 1.4470 | 2.7220 |
| 9 | 1.0156 | 1.2843 | 1.1012 | 1.3309 | 1.0847 | 1.1457 | 1.3453 | 0.6514 |
| | 1.8742 | 1.5110 | 1.7345 | 1.4592 | 1.7581 | 1.6583 | 1.4445 | 2.6921 |
| 10 | 0.9254 | 1.1017 | 0.9136 | 1.0224 | 1.3743 | 1.1754 | 1.3470 | 0.5608 |
| | 2.0673 | 1.7337 | 2.0942 | 1.8660 | 1.4152 | 1.6137 | 1.4428 | 3.1256 |
| 11 | 1.0179 | 1.3310 | 1.0227 | 1.3787 | 1.0536 | 1.3790 | 1.3162 | 0.5342 |
| | 1.8732 | 1.4592 | 1.8655 | 1.4106 | 1.8128 | 1.4101 | 1.4753 | 3.2763 |
| 12 | 1.3445 | 1.0846 | 1.3748 | 1.0540 | 1.1510 | 1.3359 | 0.8106 | |
| | 1.4450 | 1.7583 | 1.4147 | 1.8119 | 1.6664 | 1.4550 | 2.1701 | |
| 13 | 1.1313 | 1.1462 | 1.1783 | 1.3803 | 1.3367 | 0.8303 | 0.4159 | |
| | 1.6738 | 1.6577 | 1.6096 | 1.4089 | 1.4542 | 2.1244 | 4.1549 | |
| 14 | 1.3428 | 1.3454 | 1.3512 | 1.3213 | 0.8123 | 0.4162 | | |
| | 1.4470 | 1.4445 | 1.4385 | 1.4698 | 2.1651 | 4.1511 | | |
| 15 | 0.6462 | 0.5863 | 0.6257 | 0.5423 | F-SUB-Q | | | |
| | 2.7220 | 2.9805 | 2.7900 | 3.2266 | M-SUB-Q | | | |

AT 100% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5371 | 0.4528 | 0.4240 | 0.4633 | 0.5527 | 0.4709 | 0.5192 | 0.2782 |
| | 3.5745 | 4.1587 | 4.4644 | 4.0712 | 3.4777 | 3.9759 | 3.7021 | 6.2642 |
| 9 | 0.4528 | 0.5244 | 0.4615 | 0.5444 | 0.4825 | 0.4758 | 0.5193 | 0.2797 |
| | 4.1587 | 3.6623 | 4.0937 | 3.5300 | 3.9091 | 3.9472 | 3.7013 | 6.2119 |
| 10 | 0.4240 | 0.4617 | 0.4193 | 0.4653 | 0.5610 | 0.4871 | 0.5181 | 0.2588 |
| | 4.4644 | 4.0921 | 4.5153 | 4.0552 | 3.4287 | 3.8498 | 3.7098 | 6.7121 |
| 11 | 0.4633 | 0.5444 | 0.4655 | 0.5472 | 0.4776 | 0.5581 | 0.5012 | 0.2358 |
| | 4.0712 | 3.5299 | 4.0543 | 3.5140 | 3.9546 | 3.4464 | 3.8338 | 7.3567 |
| 12 | 0.5527 | 0.4824 | 0.5613 | 0.4778 | 0.4737 | 0.5148 | 0.3460 | |
| | 3.4777 | 3.9091 | 3.4270 | 3.9525 | 4.0024 | 3.7340 | 5.0341 | |
| 13 | 0.4709 | 0.4760 | 0.4877 | 0.5587 | 0.5152 | 0.3548 | 0.1883 | |
| | 3.9759 | 3.9454 | 3.8446 | 3.4425 | 3.7315 | 4.9217 | 9.1009 | |
| 14 | 0.5192 | 0.5192 | 0.5198 | 0.5033 | 0.3468 | 0.1884 | | |
| | 3.7021 | 3.7025 | 3.6979 | 3.8178 | 5.0218 | 9.0915 | | |
| 15 | 0.2782 | 0.2673 | 0.2707 | 0.2399 | F-SUB-Q | | | |
| | 6.2642 | 6.4788 | 6.3904 | 7.2293 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5166 | 0.5147 | 0.5147 | 0.5455 | 0.6214 | 0.5475 | 0.5710 | 0.3346 |
| | 3.0252 | 3.3886 | 3.6164 | 3.3023 | 3.0047 | 3.2139 | 3.2253 | 4.8277 |
| 9 | 0.5147 | 0.5904 | 0.5445 | 0.6168 | 0.5652 | 0.5492 | 0.5703 | 0.3352 |
| | 3.3886 | 3.1944 | 3.3950 | 3.0563 | 3.1767 | 3.2389 | 3.2428 | 4.8854 |
| 10 | 0.5147 | 0.5447 | 0.5109 | 0.5419 | 0.6179 | 0.5493 | 0.5637 | 0.3070 |
| | 3.6164 | 3.3943 | 3.6334 | 3.4008 | 3.1051 | 3.3109 | 3.3528 | 5.3127 |
| 11 | 0.5455 | 0.6168 | 0.5420 | 0.6015 | 0.5389 | 0.5971 | 0.5377 | 0.2859 |
| | 3.3023 | 3.0561 | 3.4002 | 3.1661 | 3.3787 | 3.1817 | 3.5728 | 5.8777 |
| 12 | 0.6214 | 0.5652 | 0.6180 | 0.5391 | 0.4807 | 0.5318 | 0.3858 | |
| | 3.0047 | 3.1763 | 3.1044 | 3.3778 | 3.2854 | 3.3337 | 4.3259 | |
| 13 | 0.5475 | 0.5493 | 0.5498 | 0.5977 | 0.5322 | 0.3875 | 0.2381 | |
| | 3.2139 | 3.2391 | 3.3084 | 3.1791 | 3.3322 | 4.0026 | 6.6688 | |
| 14 | 0.5710 | 0.5695 | 0.5647 | 0.5395 | 0.3866 | 0.2383 | | |
| | 3.2253 | 3.2473 | 3.3470 | 3.5617 | 4.3144 | 6.6629 | | |
| 15 | 0.3346 | 0.3152 | 0.3217 | 0.2898 | F-SUB-Q | | | |
| | 4.8277 | 5.0511 | 5.0551 | 5.7896 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1808 | 1.0165 | 0.9766 | 1.0399 | 1.2689 | 1.1172 | 1.2339 | 0.6943 |
| | 1.5421 | 1.7838 | 1.9517 | 1.7729 | 1.5068 | 1.6114 | 1.5284 | 2.3856 |
| 9 | 1.0165 | 1.2120 | 1.1126 | 1.2599 | 1.0958 | 1.1219 | 1.2329 | 0.6960 |
| | 1.7838 | 1.5827 | 1.7028 | 1.5306 | 1.6773 | 1.6185 | 1.5357 | 2.4122 |
| 10 | 0.9766 | 1.1128 | 0.9691 | 1.0345 | 1.2635 | 1.1319 | 1.2226 | 0.6030 |
| | 1.9517 | 1.7026 | 1.9604 | 1.8225 | 1.5520 | 1.6485 | 1.5804 | 2.7710 |
| 11 | 1.0399 | 1.2599 | 1.0347 | 1.2757 | 1.0395 | 1.2447 | 1.1832 | 0.5820 |
| | 1.7729 | 1.5305 | 1.8222 | 1.5212 | 1.7867 | 1.5546 | 1.6450 | 2.9537 |
| 12 | 1.2689 | 1.0958 | 1.2638 | 1.0399 | 1.0677 | 1.1936 | 0.8078 | |
| | 1.5068 | 1.6772 | 1.5514 | 1.7859 | 1.6280 | 1.5605 | 2.1076 | |
| 13 | 1.1172 | 1.1219 | 1.1328 | 1.2459 | 1.1943 | 0.8330 | 0.4821 | |
| | 1.6114 | 1.6195 | 1.6469 | 1.5535 | 1.5597 | 1.9786 | 3.3757 | |
| 14 | 1.2339 | 1.2308 | 1.2250 | 1.1868 | 0.8094 | 0.4824 | | |
| | 1.5284 | 1.5384 | 1.5774 | 1.6403 | 2.1023 | 3.3731 | | |
| 15 | 0.6943 | 0.6267 | 0.6622 | 0.5889 | F-SUB-Q | | | |
| | 2.3856 | 2.6008 | 2.5169 | 2.9148 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4465 | 1.2102 | 1.1388 | 1.2222 | 1.4974 | 1.3156 | 1.4650 | 0.8285 |
| | 1.3411 | 1.5504 | 1.6981 | 1.5293 | 1.2936 | 1.3828 | 1.3028 | 2.0252 |
| 9 | 1.2102 | 1.4405 | 1.2974 | 1.4857 | 1.2826 | 1.3246 | 1.4640 | 0.8288 |
| | 1.5504 | 1.3653 | 1.4796 | 1.3152 | 1.4524 | 1.3900 | 1.3088 | 2.0475 |
| 10 | 1.1388 | 1.2976 | 1.1341 | 1.2152 | 1.4981 | 1.3326 | 1.4553 | 0.7328 |
| | 1.6981 | 1.4794 | 1.6997 | 1.5733 | 1.3256 | 1.4126 | 1.3440 | 2.3097 |
| 11 | 1.2222 | 1.4857 | 1.2155 | 1.5077 | 1.2308 | 1.4854 | 1.4189 | 0.7015 |
| | 1.5293 | 1.3151 | 1.5730 | 1.3100 | 1.5356 | 1.3241 | 1.3884 | 2.4821 |
| 12 | 1.4974 | 1.2826 | 1.4988 | 1.2313 | 1.2933 | 1.4419 | 0.9790 | |
| | 1.2936 | 1.4523 | 1.3251 | 1.5350 | 1.4271 | 1.3325 | 1.7688 | |
| 13 | 1.3156 | 1.3245 | 1.3337 | 1.4868 | 1.4428 | 1.0056 | 0.5806 | |
| | 1.3828 | 1.3909 | 1.4108 | 1.3231 | 1.3318 | 1.7049 | 2.8630 | |
| 14 | 1.4650 | 1.4613 | 1.4583 | 1.4234 | 0.9808 | 0.5809 | | |
| | 1.3028 | 1.3113 | 1.3414 | 1.3843 | 1.7645 | 2.8609 | | |
| 15 | 0.8285 | 0.7579 | 0.7936 | 0.7102 | F-SUB-Q | | | |
| | 2.0252 | 2.1786 | 2.1260 | 2.4478 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6030 | 1.3038 | 1.2153 | 1.3121 | 1.6483 | 1.4207 | 1.6262 | 0.8817 |
| | 1.2369 | 1.4691 | 1.6111 | 1.4410 | 1.1878 | 1.2934 | 1.1853 | 1.9235 |
| 9 | 1.3038 | 1.5899 | 1.3955 | 1.6360 | 1.3775 | 1.4327 | 1.6257 | 0.8795 |
| | 1.4691 | 1.2592 | 1.3909 | 1.2075 | 1.3678 | 1.3004 | 1.1903 | 1.9502 |
| 10 | 1.2153 | 1.3956 | 1.2126 | 1.3083 | 1.6605 | 1.4463 | 1.6213 | 0.7777 |
| | 1.6111 | 1.3907 | 1.6107 | 1.4803 | 1.2117 | 1.3156 | 1.2182 | 2.1995 |
| 11 | 1.3121 | 1.6360 | 1.3085 | 1.6700 | 1.3309 | 1.6548 | 1.5868 | 0.7414 |
| | 1.4410 | 1.2075 | 1.4801 | 1.2007 | 1.4426 | 1.2054 | 1.2573 | 2.3731 |
| 12 | 1.6483 | 1.3775 | 1.6611 | 1.3314 | 1.4090 | 1.6114 | 1.0473 | |
| | 1.1878 | 1.3677 | 1.2113 | 1.4421 | 1.3384 | 1.2153 | 1.6805 | |
| 13 | 1.4207 | 1.4326 | 1.4489 | 1.6561 | 1.6122 | 1.0742 | 0.6115 | |
| | 1.2934 | 1.3012 | 1.3141 | 1.2046 | 1.2148 | 1.6317 | 2.7710 | |
| 14 | 1.6262 | 1.6228 | 1.6241 | 1.5912 | 1.0491 | 0.6118 | | |
| | 1.1853 | 1.1925 | 1.2161 | 1.2540 | 1.6766 | 2.7692 | | |
| 15 | 0.8817 | 0.8013 | 0.8382 | 0.7516 | F-SUB-Q | | | |
| | 1.9235 | 2.0834 | 2.0345 | 2.3370 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6490 | 1.3248 | 1.2287 | 1.3318 | 1.6912 | 1.4464 | 1.6772 | 0.8994 |
| | 1.2247 | 1.4713 | 1.6071 | 1.4357 | 1.1707 | 1.2832 | 1.1612 | 1.9072 |
| 9 | 1.3248 | 1.6315 | 1.4172 | 1.6788 | 1.3991 | 1.4600 | 1.6772 | 0.8994 |
| | 1.4713 | 1.2483 | 1.3858 | 1.1902 | 1.3617 | 1.2912 | 1.1656 | 1.9290 |
| 10 | 1.2287 | 1.4173 | 1.2279 | 1.3331 | 1.7127 | 1.4815 | 1.6754 | 0.7983 |
| | 1.6071 | 1.3856 | 1.6112 | 1.4712 | 1.1923 | 1.3010 | 1.1903 | 2.1662 |
| 11 | 1.3318 | 1.6788 | 1.3333 | 1.7208 | 1.3593 | 1.7121 | 1.6470 | 0.7607 |
| | 1.4357 | 1.1902 | 1.4709 | 1.1830 | 1.4355 | 1.1830 | 1.2290 | 2.3363 |
| 12 | 1.6912 | 1.3991 | 1.7132 | 1.3598 | 1.4418 | 1.6672 | 1.0772 | |
| | 1.1707 | 1.3617 | 1.1920 | 1.4350 | 1.3317 | 1.1951 | 1.6609 | |
| 13 | 1.4464 | 1.4598 | 1.4839 | 1.7133 | 1.6679 | 1.0990 | 0.6219 | |
| | 1.2832 | 1.2920 | 1.2996 | 1.1824 | 1.1948 | 1.6249 | 2.7766 | |
| 14 | 1.6772 | 1.6747 | 1.6781 | 1.6511 | 1.0788 | 0.6222 | | |
| | 1.1612 | 1.1677 | 1.1884 | 1.2261 | 1.6573 | 2.7750 | | |
| 15 | 0.8994 | 0.8217 | 0.8571 | 0.7701 | F-SUB-Q | | | |
| | 1.9072 | 2.0550 | 2.0115 | 2.3039 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6517 | 1.3204 | 1.2253 | 1.3265 | 1.6914 | 1.4441 | 1.6843 | 0.9020 |
| | 1.2418 | 1.4986 | 1.6265 | 1.4607 | 1.1861 | 1.3017 | 1.1706 | 1.9271 |
| 9 | 1.3204 | 1.6321 | 1.4109 | 1.6795 | 1.3941 | 1.4575 | 1.6846 | 0.9039 |
| | 1.4986 | 1.2656 | 1.4087 | 1.2051 | 1.3845 | 1.3091 | 1.1745 | 1.9446 |
| 10 | 1.2253 | 1.4110 | 1.2203 | 1.3310 | 1.7199 | 1.4841 | 1.6849 | 0.8058 |
| | 1.6265 | 1.4085 | 1.6413 | 1.4922 | 1.1996 | 1.3147 | 1.1962 | 2.1727 |
| 11 | 1.3265 | 1.6794 | 1.3312 | 1.7262 | 1.3600 | 1.7228 | 1.6606 | 0.7683 |
| | 1.4607 | 1.2051 | 1.4920 | 1.1940 | 1.4533 | 1.1901 | 1.2323 | 2.3373 |
| 12 | 1.6914 | 1.3940 | 1.7203 | 1.3603 | 1.4430 | 1.6775 | 1.0875 | |
| | 1.1861 | 1.3845 | 1.1994 | 1.4529 | 1.3533 | 1.2079 | 1.6704 | |
| 13 | 1.4441 | 1.4572 | 1.4862 | 1.7237 | 1.6781 | 1.1051 | 0.6239 | |
| | 1.3017 | 1.3095 | 1.3133 | 1.1895 | 1.2076 | 1.6478 | 2.8213 | |
| 14 | 1.6843 | 1.6828 | 1.6873 | 1.6643 | 1.0889 | 0.6242 | | |
| | 1.1706 | 1.1766 | 1.1945 | 1.2297 | 1.6670 | 2.8197 | | |
| 15 | 0.9020 | 0.8293 | 0.8654 | 0.7775 | F-SUB-Q | | | |
| | 1.9271 | 2.0632 | 2.0166 | 2.3055 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6586 | 1.3155 | 1.2141 | 1.3200 | 1.6959 | 1.4417 | 1.6955 | 0.8950 |
| | 1.2562 | 1.5262 | 1.6640 | 1.4911 | 1.2016 | 1.3245 | 1.1807 | 1.9736 |
| 9 | 1.3155 | 1.6373 | 1.4066 | 1.6846 | 1.3884 | 1.4561 | 1.6963 | 0.8961 |
| | 1.5262 | 1.2772 | 1.4299 | 1.2198 | 1.4121 | 1.3289 | 1.1839 | 1.9929 |
| 10 | 1.2141 | 1.4068 | 1.2129 | 1.3265 | 1.7298 | 1.4864 | 1.6980 | 0.7982 |
| | 1.6640 | 1.4298 | 1.6657 | 1.5088 | 1.1994 | 1.3221 | 1.2017 | 2.2249 |
| 11 | 1.3200 | 1.6846 | 1.3267 | 1.7345 | 1.3575 | 1.7360 | 1.6764 | 0.7593 |
| | 1.4911 | 1.2198 | 1.5087 | 1.1983 | 1.4686 | 1.1911 | 1.2282 | 2.3888 |
| 12 | 1.6959 | 1.3883 | 1.7300 | 1.3577 | 1.4445 | 1.6909 | 1.0810 | |
| | 1.2016 | 1.4121 | 1.1993 | 1.4684 | 1.3730 | 1.2166 | 1.7008 | |
| 13 | 1.4417 | 1.4557 | 1.4883 | 1.7367 | 1.6913 | 1.0972 | 0.6154 | |
| | 1.3245 | 1.3293 | 1.3203 | 1.1907 | 1.2164 | 1.6857 | 2.9065 | |
| 14 | 1.6955 | 1.6950 | 1.7003 | 1.6799 | 1.0823 | 0.6156 | | |
| | 1.1807 | 1.1860 | 1.2001 | 1.2257 | 1.6975 | 2.9051 | | |
| 15 | 0.8950 | 0.8212 | 0.8548 | 0.7689 | F-SUB-Q | | | |
| | 1.9736 | 2.1169 | 2.0710 | 2.3549 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6539 | 1.3061 | 1.2034 | 1.3092 | 1.6890 | 1.4329 | 1.6933 | 0.8877 |
| | 1.2745 | 1.5558 | 1.7001 | 1.5323 | 1.2298 | 1.3586 | 1.2048 | 2.0290 |
| 9 | 1.3061 | 1.6314 | 1.3966 | 1.6783 | 1.3776 | 1.4479 | 1.6947 | 0.8891 |
| | 1.5558 | 1.2982 | 1.4574 | 1.2468 | 1.4504 | 1.3597 | 1.2072 | 2.0476 |
| 10 | 1.2034 | 1.3967 | 1.2013 | 1.3169 | 1.7263 | 1.4804 | 1.6971 | 0.7922 |
| | 1.7001 | 1.4572 | 1.7042 | 1.5430 | 1.2193 | 1.3447 | 1.2205 | 2.2808 |
| 11 | 1.3092 | 1.6783 | 1.3170 | 1.7300 | 1.3492 | 1.7348 | 1.6780 | 0.7534 |
| | 1.5323 | 1.2469 | 1.5429 | 1.2177 | 1.4975 | 1.2073 | 1.2433 | 2.4317 |
| 12 | 1.6890 | 1.3774 | 1.7264 | 1.3493 | 1.4380 | 1.6904 | 1.0755 | |
| | 1.2298 | 1.4505 | 1.2193 | 1.4973 | 1.3943 | 1.2297 | 1.7285 | |
| 13 | 1.4329 | 1.4474 | 1.4821 | 1.7352 | 1.6906 | 1.0897 | 0.6086 | |
| | 1.3586 | 1.3602 | 1.3429 | 1.2070 | 1.2296 | 1.7183 | 2.9679 | |
| 14 | 1.6933 | 1.6934 | 1.6992 | 1.6813 | 1.0767 | 0.6087 | | |
| | 1.2048 | 1.2093 | 1.2190 | 1.2410 | 1.7254 | 2.9666 | | |
| 15 | 0.8877 | 0.8150 | 0.8485 | 0.7627 | F-SUB-Q | | | |
| | 2.0290 | 2.1747 | 2.1227 | 2.3981 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6557 | 1.3002 | 1.1946 | 1.3017 | 1.6884 | 1.4277 | 1.6963 | 0.8799 |
| | 1.3071 | 1.6023 | 1.7469 | 1.5771 | 1.2594 | 1.3963 | 1.2310 | 2.0964 |
| 9 | 1.3002 | 1.6321 | 1.3910 | 1.6784 | 1.3704 | 1.4431 | 1.6984 | 0.8801 |
| | 1.6023 | 1.3292 | 1.4900 | 1.2748 | 1.4920 | 1.3938 | 1.2325 | 2.1179 |
| 10 | 1.1946 | 1.3913 | 1.1937 | 1.3103 | 1.7284 | 1.4775 | 1.7012 | 0.7846 |
| | 1.7469 | 1.4898 | 1.7451 | 1.5773 | 1.2387 | 1.3677 | 1.2406 | 2.3527 |
| 11 | 1.3017 | 1.6783 | 1.3104 | 1.7316 | 1.3433 | 1.7385 | 1.6837 | 0.7455 |
| | 1.5771 | 1.2749 | 1.5772 | 1.2438 | 1.5384 | 1.2313 | 1.2603 | 2.4978 |
| 12 | 1.6884 | 1.3702 | 1.7283 | 1.3433 | 1.4347 | 1.6946 | 1.0677 | |
| | 1.2594 | 1.4921 | 1.2387 | 1.5383 | 1.4309 | 1.2543 | 1.7791 | |
| 13 | 1.4277 | 1.4426 | 1.4790 | 1.7388 | 1.6947 | 1.0810 | 0.6009 | |
| | 1.3963 | 1.3943 | 1.3661 | 1.2310 | 1.2542 | 1.7714 | 3.0694 | |
| 14 | 1.6963 | 1.6970 | 1.7031 | 1.6868 | 1.0687 | 0.6010 | | |
| | 1.2310 | 1.2347 | 1.2392 | 1.2580 | 1.7761 | 3.0683 | | |
| 15 | 0.8799 | 0.8068 | 0.8407 | 0.7544 | F-SUB-Q | | | |
| | 2.0964 | 2.2492 | 2.1884 | 2.4645 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6321 | 1.2854 | 1.1916 | 1.2857 | 1.6622 | 1.4100 | 1.6720 | 0.8785 |
| | 1.3670 | 1.6674 | 1.7958 | 1.6422 | 1.3161 | 1.4549 | 1.2848 | 2.1608 |
| 9 | 1.2854 | 1.6080 | 1.3728 | 1.6526 | 1.3532 | 1.4256 | 1.6741 | 0.8827 |
| | 1.6674 | 1.3843 | 1.5489 | 1.3305 | 1.5541 | 1.4490 | 1.2855 | 2.1725 |
| 10 | 1.1916 | 1.3731 | 1.1818 | 1.2949 | 1.7033 | 1.4597 | 1.6773 | 0.7904 |
| | 1.7958 | 1.5486 | 1.8079 | 1.6343 | 1.2859 | 1.4170 | 1.2895 | 2.3976 |
| 11 | 1.2857 | 1.6526 | 1.2950 | 1.7061 | 1.3281 | 1.7142 | 1.6614 | 0.7525 |
| | 1.6422 | 1.3306 | 1.6342 | 1.2889 | 1.5881 | 1.2740 | 1.3045 | 2.5335 |
| 12 | 1.6622 | 1.3530 | 1.7031 | 1.3281 | 1.4166 | 1.6708 | 1.0726 | |
| | 1.3161 | 1.5542 | 1.2860 | 1.5881 | 1.4910 | 1.3069 | 1.8106 | |
| 13 | 1.4100 | 1.4250 | 1.4611 | 1.7144 | 1.6709 | 1.0824 | 0.6028 | |
| | 1.4549 | 1.4495 | 1.4154 | 1.2739 | 1.3069 | 1.8228 | 3.1394 | |
| 14 | 1.6720 | 1.6727 | 1.6793 | 1.6643 | 1.0735 | 0.6029 | | |
| | 1.2848 | 1.2878 | 1.2880 | 1.3023 | 1.8075 | 3.1382 | | |
| 15 | 0.8785 | 0.8134 | 0.8481 | 0.7601 | F-SUB-Q | | | |
| | 2.1608 | 2.2953 | 2.2269 | 2.5043 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6535 | 1.2901 | 1.1826 | 1.2881 | 1.6810 | 1.4164 | 1.6945 | 0.8710 |
| | 1.3888 | 1.7108 | 1.8705 | 1.6956 | 1.3466 | 1.4984 | 1.3112 | 2.2542 |
| 9 | 1.2901 | 1.6280 | 1.3797 | 1.6720 | 1.3567 | 1.4325 | 1.6973 | 0.8730 |
| | 1.7108 | 1.4089 | 1.5927 | 1.3595 | 1.6034 | 1.4895 | 1.3111 | 2.2712 |
| 10 | 1.1826 | 1.3800 | 1.1785 | 1.2979 | 1.7247 | 1.4694 | 1.7009 | 0.7784 |
| | 1.8705 | 1.5923 | 1.8725 | 1.6837 | 1.3106 | 1.4522 | 1.3112 | 2.5132 |
| 11 | 1.2881 | 1.6719 | 1.2979 | 1.7273 | 1.3318 | 1.7374 | 1.6865 | 0.7389 |
| | 1.6956 | 1.3595 | 1.6837 | 1.3130 | 1.6325 | 1.2954 | 1.3242 | 2.6594 |
| 12 | 1.6810 | 1.3565 | 1.7244 | 1.3317 | 1.4259 | 1.6944 | 1.0622 | |
| | 1.3466 | 1.6036 | 1.3108 | 1.6325 | 1.5215 | 1.3238 | 1.8800 | |
| 13 | 1.4164 | 1.4319 | 1.4706 | 1.7374 | 1.6944 | 1.0726 | 0.5923 | |
| | 1.4984 | 1.4901 | 1.4507 | 1.2954 | 1.3238 | 1.8866 | 3.2757 | |
| 14 | 1.6945 | 1.6959 | 1.7036 | 1.6890 | 1.0630 | 0.5923 | | |
| | 1.3112 | 1.3125 | 1.3099 | 1.3222 | 1.8770 | 3.2747 | | |
| 15 | 0.8710 | 0.8008 | 0.8340 | 0.7474 | F-SUB-Q | | | |
| | 2.2542 | 2.4108 | 2.3376 | 2.6246 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6580 | 1.2895 | 1.1814 | 1.2857 | 1.6826 | 1.4150 | 1.6983 | 0.8693 |
| | 1.4381 | 1.7772 | 1.9452 | 1.7667 | 1.3993 | 1.5595 | 1.3599 | 2.3470 |
| 9 | 1.2895 | 1.6315 | 1.3787 | 1.6742 | 1.3544 | 1.4314 | 1.7014 | 0.8718 |
| | 1.7772 | 1.4602 | 1.6558 | 1.4107 | 1.6704 | 1.5481 | 1.3585 | 2.3630 |
| 10 | 1.1814 | 1.3790 | 1.1753 | 1.2959 | 1.7280 | 1.4696 | 1.7055 | 0.7776 |
| | 1.9452 | 1.6554 | 1.9511 | 1.7525 | 1.3589 | 1.5061 | 1.3566 | 2.6111 |
| 11 | 1.2857 | 1.6741 | 1.2960 | 1.7304 | 1.3304 | 1.7420 | 1.6923 | 0.7378 |
| | 1.7667 | 1.4108 | 1.7525 | 1.3614 | 1.6965 | 1.3411 | 1.3692 | 2.7575 |
| 12 | 1.6826 | 1.3541 | 1.7277 | 1.3302 | 1.4258 | 1.6991 | 1.0629 | |
| | 1.3993 | 1.6707 | 1.3592 | 1.6966 | 1.5772 | 1.3681 | 1.9473 | |
| 13 | 1.4150 | 1.4308 | 1.4707 | 1.7419 | 1.6990 | 1.0720 | 0.5901 | |
| | 1.5595 | 1.5488 | 1.5046 | 1.3412 | 1.3682 | 1.9546 | 3.4024 | |
| 14 | 1.6983 | 1.7000 | 1.7087 | 1.6947 | 1.0636 | 0.5901 | | |
| | 1.3599 | 1.3597 | 1.3547 | 1.3672 | 1.9444 | 3.4014 | | |
| 15 | 0.8693 | 0.8000 | 0.8333 | 0.7466 | F-SUB-Q | | | |
| | 2.3470 | 2.5074 | 2.4278 | 2.7206 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6483 | 1.2846 | 1.1859 | 1.2792 | 1.6701 | 1.4074 | 1.6873 | 0.8722 |
| | 1.4382 | 1.7543 | 1.8873 | 1.7399 | 1.3961 | 1.5725 | 1.3858 | 2.3519 |
| 9 | 1.2846 | 1.6210 | 1.3710 | 1.6621 | 1.3471 | 1.4241 | 1.6906 | 0.8770 |
| | 1.7543 | 1.4509 | 1.6300 | 1.4048 | 1.6536 | 1.5656 | 1.3864 | 2.3621 |
| 10 | 1.1859 | 1.3713 | 1.1748 | 1.2899 | 1.7165 | 1.4624 | 1.6955 | 0.7854 |
| | 1.8873 | 1.6296 | 1.9119 | 1.7409 | 1.3754 | 1.5324 | 1.3888 | 2.6042 |
| 11 | 1.2792 | 1.6620 | 1.2900 | 1.7188 | 1.3246 | 1.7313 | 1.6834 | 0.7474 |
| | 1.7399 | 1.4049 | 1.7409 | 1.3746 | 1.7082 | 1.3713 | 1.4077 | 2.7529 |
| 12 | 1.6701 | 1.3468 | 1.7161 | 1.3243 | 1.4180 | 1.6888 | 1.0722 | |
| | 1.3961 | 1.6538 | 1.3757 | 1.7084 | 1.6232 | 1.4150 | 1.9678 | |
| 13 | 1.4074 | 1.4234 | 1.4634 | 1.7311 | 1.6886 | 1.0783 | 0.5942 | |
| | 1.5725 | 1.5663 | 1.5311 | 1.3715 | 1.4152 | 1.9894 | 3.4396 | |
| 14 | 1.6873 | 1.6891 | 1.6989 | 1.6856 | 1.0729 | 0.5942 | | |
| | 1.3858 | 1.3887 | 1.3876 | 1.4059 | 1.9650 | 3.4388 | | |
| 15 | 0.8722 | 0.8087 | 0.8439 | 0.7548 | F-SUB-Q | | | |
| | 2.3519 | 2.4926 | 2.4163 | 2.7226 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6781 | 1.2963 | 1.1833 | 1.2883 | 1.6969 | 1.4207 | 1.7182 | 0.8689 |
| | 1.3582 | 1.6715 | 1.8193 | 1.6617 | 1.3214 | 1.4983 | 1.3087 | 2.2709 |
| 9 | 1.2963 | 1.6492 | 1.3847 | 1.6895 | 1.3573 | 1.4381 | 1.7221 | 0.8717 |
| | 1.6715 | 1.3710 | 1.5521 | 1.3289 | 1.5783 | 1.4904 | 1.3090 | 2.2859 |
| 10 | 1.1833 | 1.3851 | 1.1752 | 1.2997 | 1.7462 | 1.4793 | 1.7285 | 0.7774 |
| | 1.8193 | 1.5517 | 1.8337 | 1.6601 | 1.2985 | 1.4549 | 1.3095 | 2.5290 |
| 11 | 1.2883 | 1.6894 | 1.2997 | 1.7482 | 1.3352 | 1.7629 | 1.7167 | 0.7374 |
| | 1.6617 | 1.3291 | 1.6601 | 1.2978 | 1.6270 | 1.2926 | 1.3248 | 2.6799 |
| 12 | 1.6969 | 1.3570 | 1.7456 | 1.3349 | 1.4344 | 1.7209 | 1.0674 | |
| | 1.3214 | 1.5785 | 1.2989 | 1.6273 | 1.5405 | 1.3335 | 1.8963 | |
| 13 | 1.4207 | 1.4374 | 1.4802 | 1.7626 | 1.7206 | 1.0739 | 0.5867 | |
| | 1.4983 | 1.4911 | 1.4538 | 1.2929 | 1.3337 | 1.9167 | 3.3397 | |
| 14 | 1.7182 | 1.7206 | 1.7318 | 1.7188 | 1.0679 | 0.5867 | | |
| | 1.3087 | 1.3106 | 1.3085 | 1.3233 | 1.8938 | 3.3391 | | |
| 15 | 0.8689 | 0.8003 | 0.8341 | 0.7460 | F-SUB-Q | | | |
| | 2.2709 | 2.4225 | 2.3502 | 2.6461 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6973 | 1.3055 | 1.1874 | 1.2955 | 1.7131 | 1.4300 | 1.7373 | 0.8709 |
| | 1.2994 | 1.6058 | 1.7540 | 1.5985 | 1.2658 | 1.4394 | 1.2514 | 2.1909 |
| 9 | 1.3055 | 1.6669 | 1.3941 | 1.7063 | 1.3649 | 1.4480 | 1.7417 | 0.8713 |
| | 1.6058 | 1.3120 | 1.4914 | 1.2726 | 1.5181 | 1.4310 | 1.2514 | 2.2115 |
| 10 | 1.1874 | 1.3944 | 1.1802 | 1.3075 | 1.7645 | 1.4913 | 1.7495 | 0.7784 |
| | 1.7540 | 1.4910 | 1.7655 | 1.5952 | 1.2415 | 1.3943 | 1.2508 | 2.4414 |
| 11 | 1.2955 | 1.7061 | 1.3074 | 1.7664 | 1.3436 | 1.7829 | 1.7384 | 0.7381 |
| | 1.5985 | 1.2728 | 1.5952 | 1.2411 | 1.5619 | 1.2343 | 1.2632 | 2.5865 |
| 12 | 1.7131 | 1.3645 | 1.7639 | 1.3432 | 1.4454 | 1.7411 | 1.0720 | |
| | 1.2658 | 1.5184 | 1.2419 | 1.5623 | 1.4762 | 1.2722 | 1.8227 | |
| 13 | 1.4300 | 1.4472 | 1.4921 | 1.7824 | 1.7407 | 1.0774 | 0.5858 | |
| | 1.4394 | 1.4317 | 1.3933 | 1.2346 | 1.2725 | 1.8439 | 3.2273 | |
| 14 | 1.7373 | 1.7401 | 1.7527 | 1.7404 | 1.0724 | 0.5857 | | |
| | 1.2514 | 1.2525 | 1.2498 | 1.2618 | 1.8205 | 3.2268 | | |
| 15 | 0.8709 | 0.8014 | 0.8360 | 0.7468 | F-SUB-Q | | | |
| | 2.1909 | 2.3393 | 2.2665 | 2.5532 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7129 | 1.3147 | 1.1977 | 1.3030 | 1.7263 | 1.4390 | 1.7522 | 0.8770 |
| | 1.2520 | 1.5509 | 1.6920 | 1.5460 | 1.2213 | 1.3905 | 1.2055 | 2.1147 |
| 9 | 1.3147 | 1.6815 | 1.4034 | 1.7199 | 1.3729 | 1.4575 | 1.7569 | 0.8806 |
| | 1.5509 | 1.2647 | 1.4411 | 1.2277 | 1.4677 | 1.3814 | 1.2050 | 2.1266 |
| 10 | 1.1977 | 1.4038 | 1.1861 | 1.3154 | 1.7794 | 1.5018 | 1.7657 | 0.7858 |
| | 1.6919 | 1.4406 | 1.7087 | 1.5410 | 1.1955 | 1.3442 | 1.2037 | 2.3497 |
| 11 | 1.3030 | 1.7197 | 1.3154 | 1.7813 | 1.3521 | 1.7987 | 1.7551 | 0.7448 |
| | 1.5460 | 1.2278 | 1.5411 | 1.1952 | 1.5072 | 1.1873 | 1.2139 | 2.4886 |
| 12 | 1.7263 | 1.3726 | 1.7787 | 1.3517 | 1.4553 | 1.7568 | 1.0829 | |
| | 1.2213 | 1.4681 | 1.1959 | 1.5076 | 1.4225 | 1.2226 | 1.7504 | |
| 13 | 1.4390 | 1.4567 | 1.5025 | 1.7981 | 1.7563 | 1.0869 | 0.5897 | |
| | 1.3905 | 1.3821 | 1.3434 | 1.1877 | 1.2229 | 1.7725 | 3.1092 | |
| 14 | 1.7522 | 1.7553 | 1.7689 | 1.7569 | 1.0833 | 0.5896 | | |
| | 1.2055 | 1.2060 | 1.2024 | 1.2127 | 1.7483 | 3.1089 | | |
| 15 | 0.8770 | 0.8093 | 0.8437 | 0.7539 | F-SUB-Q | | | |
| | 2.1147 | 2.2518 | 2.1822 | 2.4559 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7208 | 1.3232 | 1.2145 | 1.3104 | 1.7322 | 1.4463 | 1.7586 | 0.8884 |
| | 1.3139 | 1.6257 | 1.7627 | 1.6237 | 1.2849 | 1.4596 | 1.2667 | 2.2027 |
| 9 | 1.3232 | 1.6884 | 1.4105 | 1.7260 | 1.3803 | 1.4650 | 1.7634 | 0.8943 |
| | 1.6257 | 1.3287 | 1.5142 | 1.2912 | 1.5415 | 1.4494 | 1.2656 | 2.2093 |
| 10 | 1.2145 | 1.4109 | 1.2010 | 1.3231 | 1.7864 | 1.5105 | 1.7733 | 0.8009 |
| | 1.7627 | 1.5138 | 1.7861 | 1.6163 | 1.2551 | 1.4079 | 1.2633 | 2.4313 |
| 11 | 1.3104 | 1.7258 | 1.3231 | 1.7881 | 1.3605 | 1.8065 | 1.7632 | 0.7616 |
| | 1.6237 | 1.2914 | 1.6164 | 1.2549 | 1.5788 | 1.2449 | 1.2722 | 2.5651 |
| 12 | 1.7322 | 1.3799 | 1.7856 | 1.3600 | 1.4624 | 1.7638 | 1.1026 | |
| | 1.2849 | 1.5418 | 1.2556 | 1.5793 | 1.4893 | 1.2802 | 1.8095 | |
| 13 | 1.4463 | 1.4642 | 1.5114 | 1.8058 | 1.7633 | 1.1038 | 0.5993 | |
| | 1.4596 | 1.4502 | 1.4069 | 1.2454 | 1.2806 | 1.8356 | 3.2196 | |
| 14 | 1.7586 | 1.7618 | 1.7764 | 1.7650 | 1.1030 | 0.5992 | | |
| | 1.2667 | 1.2667 | 1.2612 | 1.2710 | 1.8075 | 3.2193 | | |
| 15 | 0.8884 | 0.8251 | 0.8622 | 0.7691 | F-SUB-Q | | | |
| | 2.2027 | 2.3302 | 2.2516 | 2.5367 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7702 | 1.3479 | 1.2219 | 1.3328 | 1.7793 | 1.4743 | 1.8092 | 0.8915 |
| | 1.2448 | 1.5580 | 1.7146 | 1.5634 | 1.2249 | 1.4039 | 1.2071 | 2.1535 |
| 9 | 1.3479 | 1.7358 | 1.4390 | 1.7735 | 1.4048 | 1.4941 | 1.8148 | 0.8929 |
| | 1.5580 | 1.2624 | 1.4527 | 1.2300 | 1.4835 | 1.3929 | 1.2054 | 2.1711 |
| 10 | 1.2219 | 1.4394 | 1.2106 | 1.3461 | 1.8364 | 1.5421 | 1.8260 | 0.7976 |
| | 1.7146 | 1.4522 | 1.7309 | 1.5550 | 1.1948 | 1.3507 | 1.2018 | 2.3944 |
| 11 | 1.3328 | 1.7732 | 1.3460 | 1.8380 | 1.3845 | 1.8585 | 1.8161 | 0.7556 |
| | 1.5634 | 1.2302 | 1.5551 | 1.1943 | 1.5183 | 1.1841 | 1.2093 | 2.5337 |
| 12 | 1.7793 | 1.4043 | 1.8356 | 1.3839 | 1.4937 | 1.8156 | 1.1050 | |
| | 1.2249 | 1.4839 | 1.1953 | 1.5188 | 1.4230 | 1.2161 | 1.7671 | |
| 13 | 1.4743 | 1.4932 | 1.5429 | 1.8577 | 1.8151 | 1.1076 | 0.5955 | |
| | 1.4039 | 1.3937 | 1.3499 | 1.1846 | 1.2165 | 1.7873 | 3.1698 | |
| 14 | 1.8092 | 1.8131 | 1.8291 | 1.8179 | 1.1053 | 0.5954 | | |
| | 1.2071 | 1.2065 | 1.1999 | 1.2082 | 1.7652 | 3.1696 | | |
| 15 | 0.8915 | 0.8215 | 0.8579 | 0.7644 | F-SUB-Q | | | |
| | 2.1535 | 2.2963 | 2.2195 | 2.5015 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7974 | 1.3647 | 1.2360 | 1.3484 | 1.8051 | 1.4929 | 1.8363 | 0.8998 |
| | 1.1834 | 1.4888 | 1.6456 | 1.5000 | 1.1714 | 1.3452 | 1.1534 | 2.0726 |
| 9 | 1.3647 | 1.7616 | 1.4574 | 1.7991 | 1.4216 | 1.5131 | 1.8420 | 0.9012 |
| | 1.4888 | 1.2044 | 1.3919 | 1.1760 | 1.4227 | 1.3339 | 1.1512 | 2.0893 |
| 10 | 1.2360 | 1.4579 | 1.2234 | 1.3617 | 1.8633 | 1.5626 | 1.8539 | 0.8044 |
| | 1.6456 | 1.3914 | 1.6622 | 1.4903 | 1.1404 | 1.2913 | 1.1464 | 2.3053 |
| 11 | 1.3484 | 1.7989 | 1.3616 | 1.8647 | 1.4008 | 1.8863 | 1.8439 | 0.7619 |
| | 1.5000 | 1.1762 | 1.4904 | 1.1397 | 1.4532 | 1.1288 | 1.1531 | 2.4394 |
| 12 | 1.8051 | 1.4211 | 1.8625 | 1.4002 | 1.5129 | 1.8429 | 1.1172 | |
| | 1.1714 | 1.4231 | 1.1410 | 1.4537 | 1.3560 | 1.1576 | 1.6922 | |
| 13 | 1.4929 | 1.5123 | 1.5634 | 1.8855 | 1.8423 | 1.1197 | 0.5994 | |
| | 1.3452 | 1.3346 | 1.2905 | 1.1292 | 1.1580 | 1.7094 | 3.0565 | |
| 14 | 1.8363 | 1.8403 | 1.8571 | 1.8458 | 1.1176 | 0.5993 | | |
| | 1.1534 | 1.1523 | 1.1445 | 1.1520 | 1.6903 | 3.0563 | | |
| 15 | 0.8998 | 0.8287 | 0.8663 | 0.7709 | F-SUB-Q | | | |
| | 2.0726 | 2.2108 | 2.1342 | 2.4080 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7878 | 1.3664 | 1.2517 | 1.3503 | 1.7959 | 1.4936 | 1.8250 | 0.9095 |
| | 1.1570 | 1.4475 | 1.5852 | 1.4612 | 1.1478 | 1.3107 | 1.1308 | 1.9996 |
| 9 | 1.3664 | 1.7521 | 1.4575 | 1.7893 | 1.4233 | 1.5139 | 1.8302 | 0.9159 |
| | 1.4475 | 1.1787 | 1.3573 | 1.1525 | 1.3859 | 1.2993 | 1.1285 | 2.0048 |
| 10 | 1.2517 | 1.4580 | 1.2360 | 1.3625 | 1.8525 | 1.5625 | 1.8413 | 0.8184 |
| | 1.5852 | 1.3568 | 1.6071 | 1.4513 | 1.1165 | 1.2571 | 1.1233 | 2.2090 |
| 11 | 1.3503 | 1.7890 | 1.3625 | 1.8537 | 1.4016 | 1.8748 | 1.8307 | 0.7777 |
| | 1.4612 | 1.1527 | 1.4514 | 1.1159 | 1.4139 | 1.1046 | 1.1295 | 2.3287 |
| 12 | 1.7959 | 1.4229 | 1.8517 | 1.4011 | 1.5107 | 1.8309 | 1.1349 | |
| | 1.1478 | 1.3863 | 1.1170 | 1.4143 | 1.3195 | 1.1315 | 1.6204 | |
| 13 | 1.4936 | 1.5130 | 1.5635 | 1.8741 | 1.8304 | 1.1363 | 0.6094 | |
| | 1.3107 | 1.3000 | 1.2561 | 1.1049 | 1.1319 | 1.6368 | 2.9256 | |
| 14 | 1.8250 | 1.8285 | 1.8449 | 1.8331 | 1.1354 | 0.6093 | | |
| | 1.1308 | 1.1295 | 1.1212 | 1.1281 | 1.6184 | 2.9252 | | |
| 15 | 0.9095 | 0.8441 | 0.8847 | 0.7859 | F-SUB-Q | | | |
| | 1.9996 | 2.1170 | 2.0373 | 2.3012 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7892 | 1.3647 | 1.2368 | 1.3480 | 1.8005 | 1.4947 | 1.8278 | 0.8944 |
| | 1.1301 | 1.4184 | 1.5721 | 1.4343 | 1.1210 | 1.2825 | 1.1048 | 1.9920 |
| 9 | 1.3647 | 1.7558 | 1.4604 | 1.7925 | 1.4224 | 1.5151 | 1.8328 | 0.8976 |
| | 1.4184 | 1.1509 | 1.3270 | 1.1263 | 1.3587 | 1.2709 | 1.1025 | 2.0038 |
| 10 | 1.2368 | 1.4610 | 1.2215 | 1.3583 | 1.8543 | 1.5618 | 1.8418 | 0.7957 |
| | 1.5721 | 1.3265 | 1.5910 | 1.4254 | 1.0910 | 1.2306 | 1.0979 | 2.2249 |
| 11 | 1.3480 | 1.7923 | 1.3583 | 1.8559 | 1.3964 | 1.8756 | 1.8282 | 0.7545 |
| | 1.4343 | 1.1265 | 1.4254 | 1.0901 | 1.3883 | 1.0792 | 1.1054 | 2.3494 |
| 12 | 1.8005 | 1.4219 | 1.8536 | 1.3960 | 1.5113 | 1.8321 | 1.1117 | |
| | 1.1210 | 1.3590 | 1.0914 | 1.3887 | 1.2889 | 1.1048 | 1.6172 | |
| 13 | 1.4947 | 1.5144 | 1.5628 | 1.8752 | 1.8317 | 1.1185 | 0.5945 | |
| | 1.2825 | 1.2715 | 1.2296 | 1.0794 | 1.1051 | 1.6252 | 2.9335 | |
| 14 | 1.8278 | 1.8312 | 1.8459 | 1.8311 | 1.1123 | 0.5945 | | |
| | 1.1048 | 1.1034 | 1.0955 | 1.1038 | 1.6151 | 2.9330 | | |
| 15 | 0.8944 | 0.8215 | 0.8623 | 0.7641 | F-SUB-Q | | | |
| | 1.9920 | 2.1308 | 2.0467 | 2.3168 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6812 | 1.3011 | 1.1784 | 1.2838 | 1.6955 | 1.4240 | 1.7152 | 0.8480 |
| | 1.1814 | 1.4622 | 1.6226 | 1.4811 | 1.1702 | 1.3230 | 1.1562 | 2.0656 |
| 9 | 1.3011 | 1.6530 | 1.3939 | 1.6863 | 1.3565 | 1.4427 | 1.7191 | 0.8480 |
| | 1.4622 | 1.2011 | 1.3671 | 1.1765 | 1.4009 | 1.3115 | 1.1540 | 2.0853 |
| 10 | 1.1784 | 1.3945 | 1.1656 | 1.2913 | 1.7403 | 1.4845 | 1.7247 | 0.7485 |
| | 1.6226 | 1.3666 | 1.6404 | 1.4739 | 1.1416 | 1.2715 | 1.1507 | 2.3253 |
| 11 | 1.2838 | 1.6861 | 1.2913 | 1.7444 | 1.3277 | 1.7571 | 1.7064 | 0.7104 |
| | 1.4811 | 1.1767 | 1.4739 | 1.1390 | 1.4347 | 1.1308 | 1.1622 | 2.4523 |
| 12 | 1.6955 | 1.3561 | 1.7398 | 1.3273 | 1.4372 | 1.7184 | 1.0511 | |
| | 1.1702 | 1.4013 | 1.1420 | 1.4350 | 1.3305 | 1.1557 | 1.6793 | |
| 13 | 1.4240 | 1.4420 | 1.4857 | 1.7569 | 1.7181 | 1.0631 | 0.5632 | |
| | 1.3230 | 1.3121 | 1.2704 | 1.1310 | 1.1559 | 1.6788 | 3.0436 | |
| 14 | 1.7152 | 1.7177 | 1.7288 | 1.7096 | 1.0518 | 0.5631 | | |
| | 1.1562 | 1.1550 | 1.1481 | 1.1601 | 1.6768 | 3.0430 | | |
| 15 | 0.8480 | 0.7758 | 0.8172 | 0.7203 | F-SUB-Q | | | |
| | 2.0656 | 2.2184 | 2.1229 | 2.4152 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3994 | 1.1002 | 1.0031 | 1.0840 | 1.4117 | 1.1975 | 1.4186 | 0.7116 |
| | 1.3977 | 1.7040 | 1.8796 | 1.7294 | 1.3844 | 1.5506 | 1.3761 | 2.4274 |
| 9 | 1.1002 | 1.3781 | 1.1826 | 1.4042 | 1.1494 | 1.2124 | 1.4212 | 0.7175 |
| | 1.7040 | 1.4187 | 1.5885 | 1.3917 | 1.6297 | 1.5374 | 1.3738 | 2.4294 |
| 10 | 1.0031 | 1.1830 | 0.9893 | 1.0907 | 1.4441 | 1.2442 | 1.4235 | 0.6218 |
| | 1.8796 | 1.5878 | 1.9054 | 1.7197 | 1.3548 | 1.4939 | 1.3718 | 2.7599 |
| 11 | 1.0840 | 1.4040 | 1.0907 | 1.4543 | 1.1204 | 1.4520 | 1.4005 | 0.5940 |
| | 1.7294 | 1.3919 | 1.7198 | 1.3453 | 1.6753 | 1.3471 | 1.3936 | 2.8920 |
| 12 | 1.4117 | 1.1491 | 1.4436 | 1.1202 | 1.2260 | 1.4191 | 0.8772 | |
| | 1.3844 | 1.6300 | 1.3553 | 1.6756 | 1.5359 | 1.3767 | 1.9816 | |
| 13 | 1.1975 | 1.2120 | 1.2455 | 1.4518 | 1.4190 | 0.8982 | 0.4733 | |
| | 1.5507 | 1.5380 | 1.4922 | 1.3473 | 1.3768 | 1.9566 | 3.5720 | |
| 14 | 1.4186 | 1.4201 | 1.4256 | 1.4033 | 0.8779 | 0.4734 | | |
| | 1.3761 | 1.3749 | 1.3699 | 1.3910 | 1.9786 | 3.5709 | | |
| 15 | 0.7116 | 0.6491 | 0.6896 | 0.6014 | F-SUB-Q | | | |
| | 2.4274 | 2.6141 | 2.4798 | 2.8523 | M-SUB-Q | | | |

AT 100% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6122 | 0.5186 | 0.4860 | 0.5220 | 0.6171 | 0.5298 | 0.5857 | 0.3224 |
| | 3.1540 | 3.5691 | 3.8318 | 3.5463 | 3.1266 | 3.4587 | 3.2906 | 5.2995 |
| 9 | 0.5186 | 0.5990 | 0.5260 | 0.6120 | 0.5416 | 0.5356 | 0.5859 | 0.3242 |
| | 3.5691 | 3.2228 | 3.5257 | 3.1532 | 3.4144 | 3.4334 | 3.2894 | 5.3180 |
| 10 | 0.4860 | 0.5262 | 0.4805 | 0.5245 | 0.6277 | 0.5468 | 0.5852 | 0.3005 |
| | 3.8318 | 3.5245 | 3.8758 | 3.5309 | 3.0762 | 3.3533 | 3.2939 | 5.6495 |
| 11 | 0.5220 | 0.6119 | 0.5245 | 0.6143 | 0.5373 | 0.6260 | 0.5693 | 0.2758 |
| | 3.5463 | 3.1535 | 3.5309 | 3.1427 | 3.4482 | 3.0833 | 3.3843 | 6.1639 |
| 12 | 0.6171 | 0.5415 | 0.6276 | 0.5372 | 0.5370 | 0.5840 | 0.3947 | |
| | 3.1266 | 3.4150 | 3.0767 | 3.4485 | 3.4594 | 3.3020 | 4.3509 | |
| 13 | 0.5298 | 0.5355 | 0.5474 | 0.6261 | 0.5840 | 0.4059 | 0.2247 | |
| | 3.4587 | 3.4343 | 3.3493 | 3.0828 | 3.3018 | 4.2775 | 7.4484 | |
| 14 | 0.5857 | 0.5854 | 0.5863 | 0.5708 | 0.3951 | 0.2248 | | |
| | 3.2906 | 3.2927 | 3.2880 | 3.3759 | 4.3430 | 7.4451 | | |
| 15 | 0.3224 | 0.3101 | 0.3137 | 0.2797 | F-SUB-Q | | | |
| | 5.2995 | 5.4135 | 5.3926 | 6.0686 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5977 | 0.6007 | 0.6025 | 0.6319 | 0.7165 | 0.6354 | 0.6676 | 0.4042 |
| | 2.5831 | 2.8473 | 3.0303 | 2.7938 | 2.6239 | 2.7136 | 2.7839 | 3.8379 |
| 9 | 0.6007 | 0.6858 | 0.6352 | 0.7123 | 0.6533 | 0.6391 | 0.6672 | 0.4048 |
| | 2.8473 | 2.7686 | 2.8505 | 2.6641 | 2.6942 | 2.7316 | 2.7970 | 3.8980 |
| 10 | 0.6025 | 0.6353 | 0.5990 | 0.6288 | 0.7138 | 0.6383 | 0.6617 | 0.3722 |
| | 3.0303 | 2.8500 | 3.0411 | 2.8710 | 2.7052 | 2.7832 | 2.8794 | 4.2211 |
| 11 | 0.6319 | 0.7123 | 0.6289 | 0.6970 | 0.6257 | 0.6948 | 0.6343 | 0.3496 |
| | 2.7938 | 2.6640 | 2.8708 | 2.7485 | 2.8559 | 2.7617 | 3.0673 | 4.6520 |
| 12 | 0.7165 | 0.6533 | 0.7139 | 0.6257 | 0.5532 | 0.6243 | 0.4578 | |
| | 2.6239 | 2.6941 | 2.7050 | 2.8554 | 2.6992 | 2.8384 | 3.4825 | |
| 13 | 0.6354 | 0.6391 | 0.6386 | 0.6953 | 0.6246 | 0.4608 | 0.2985 | |
| | 2.7136 | 2.7320 | 2.7821 | 2.7604 | 2.8378 | 3.2834 | 5.2016 | |
| 14 | 0.6676 | 0.6663 | 0.6625 | 0.6359 | 0.4585 | 0.2986 | | |
| | 2.7839 | 2.8009 | 2.8762 | 3.0604 | 3.4753 | 5.1983 | | |
| 15 | 0.4042 | 0.3823 | 0.3890 | 0.3536 | F-SUB-Q | | | |
| | 3.8380 | 4.0166 | 4.0390 | 4.5900 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2485 | 1.0828 | 1.0475 | 1.1050 | 1.3381 | 1.1876 | 1.3155 | 0.7688 |
| | 1.4607 | 1.6389 | 1.7903 | 1.6405 | 1.4429 | 1.4876 | 1.4509 | 2.0744 |
| 9 | 1.0828 | 1.2844 | 1.1850 | 1.3305 | 1.1603 | 1.1967 | 1.3152 | 0.7707 |
| | 1.6389 | 1.5031 | 1.5688 | 1.4628 | 1.5568 | 1.4942 | 1.4568 | 2.1031 |
| 10 | 1.0475 | 1.1851 | 1.0411 | 1.1020 | 1.3375 | 1.2049 | 1.3081 | 0.6730 |
| | 1.7903 | 1.5686 | 1.7960 | 1.6814 | 1.4814 | 1.5193 | 1.4936 | 2.3981 |
| 11 | 1.1050 | 1.3305 | 1.1021 | 1.3494 | 1.1104 | 1.3263 | 1.2726 | 0.6522 |
| | 1.6405 | 1.4628 | 1.6813 | 1.4494 | 1.6448 | 1.4749 | 1.5486 | 2.5591 |
| 12 | 1.3381 | 1.1603 | 1.3377 | 1.1106 | 1.1438 | 1.2802 | 0.8797 | |
| | 1.4429 | 1.5567 | 1.4812 | 1.6445 | 1.4842 | 1.4664 | 1.8501 | |
| 13 | 1.1876 | 1.1964 | 1.2054 | 1.3270 | 1.2806 | 0.9051 | 0.5538 | |
| | 1.4876 | 1.4952 | 1.5181 | 1.4745 | 1.4661 | 1.7856 | 2.8762 | |
| 14 | 1.3155 | 1.3129 | 1.3098 | 1.2753 | 0.8808 | 0.5539 | | |
| | 1.4509 | 1.4594 | 1.4918 | 1.5457 | 1.8466 | 2.8747 | | |
| 15 | 0.7688 | 0.6985 | 0.7363 | 0.6588 | F-SUB-Q | | | |
| | 2.0744 | 2.2569 | 2.2031 | 2.5278 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4898 | 1.2402 | 1.1709 | 1.2466 | 1.5290 | 1.3460 | 1.5178 | 0.8874 |
| | 1.3108 | 1.4834 | 1.6219 | 1.4735 | 1.2786 | 1.3285 | 1.2722 | 1.8204 |
| 9 | 1.2402 | 1.4823 | 1.3285 | 1.5203 | 1.3040 | 1.3578 | 1.5176 | 0.8887 |
| | 1.4834 | 1.3359 | 1.4182 | 1.2966 | 1.4035 | 1.3351 | 1.2772 | 1.8432 |
| 10 | 1.1709 | 1.3286 | 1.1694 | 1.2448 | 1.5420 | 1.3663 | 1.5110 | 0.7933 |
| | 1.6219 | 1.4181 | 1.6243 | 1.5102 | 1.3012 | 1.3514 | 1.3087 | 2.0605 |
| 11 | 1.2466 | 1.5203 | 1.2449 | 1.5518 | 1.2639 | 1.5389 | 1.4825 | 0.7639 |
| | 1.4735 | 1.2966 | 1.5101 | 1.2831 | 1.4707 | 1.2917 | 1.3444 | 2.2137 |
| 12 | 1.5290 | 1.3039 | 1.5422 | 1.2641 | 1.3338 | 1.5010 | 1.0349 | |
| | 1.2786 | 1.4034 | 1.3011 | 1.4704 | 1.3594 | 1.2927 | 1.5996 | |
| 13 | 1.3460 | 1.3574 | 1.3680 | 1.5395 | 1.5014 | 1.0577 | 0.6437 | |
| | 1.3285 | 1.3361 | 1.3505 | 1.2913 | 1.2925 | 1.5945 | 2.5285 | |
| 14 | 1.5178 | 1.5148 | 1.5130 | 1.4855 | 1.0360 | 0.6438 | | |
| | 1.2722 | 1.2796 | 1.3071 | 1.3420 | 1.5968 | 2.5273 | | |
| 15 | 0.8874 | 0.8168 | 0.8525 | 0.7707 | F-SUB-Q | | | |
| | 1.8204 | 1.9487 | 1.9176 | 2.1892 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6058 | 1.3051 | 1.2201 | 1.3051 | 1.6342 | 1.4156 | 1.6355 | 0.9216 |
| | 1.2429 | 1.4384 | 1.5779 | 1.4219 | 1.2077 | 1.2742 | 1.1905 | 1.7691 |
| 9 | 1.3051 | 1.5903 | 1.3929 | 1.6261 | 1.3661 | 1.4289 | 1.6357 | 0.9211 |
| | 1.4384 | 1.2669 | 1.3669 | 1.2245 | 1.3527 | 1.2814 | 1.1949 | 1.7952 |
| 10 | 1.2201 | 1.3931 | 1.2208 | 1.3073 | 1.6596 | 1.4474 | 1.6329 | 0.8228 |
| | 1.5779 | 1.3668 | 1.5752 | 1.4560 | 1.2234 | 1.2916 | 1.2213 | 2.0055 |
| 11 | 1.3051 | 1.6261 | 1.3073 | 1.6680 | 1.3325 | 1.6640 | 1.6092 | 0.7872 |
| | 1.4219 | 1.2245 | 1.4559 | 1.2115 | 1.4152 | 1.2104 | 1.2526 | 2.1689 |
| 12 | 1.6342 | 1.3660 | 1.6597 | 1.3326 | 1.4153 | 1.6273 | 1.0797 | |
| | 1.2077 | 1.3527 | 1.2234 | 1.4151 | 1.3090 | 1.2151 | 1.5565 | |
| 13 | 1.4156 | 1.4284 | 1.4488 | 1.6644 | 1.6275 | 1.1030 | 0.6619 | |
| | 1.2742 | 1.2824 | 1.2909 | 1.2102 | 1.2151 | 1.5631 | 2.5056 | |
| 14 | 1.6355 | 1.6328 | 1.6345 | 1.6117 | 1.0807 | 0.6620 | | |
| | 1.1905 | 1.1970 | 1.2201 | 1.2508 | 1.5540 | 2.5046 | | |
| 15 | 0.9216 | 0.8450 | 0.8767 | 0.7956 | F-SUB-Q | | | |
| | 1.7691 | 1.9018 | 1.8837 | 2.1410 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6216 | 1.3061 | 1.2151 | 1.3035 | 1.6441 | 1.4165 | 1.6535 | 0.9244 |
| | 1.2522 | 1.4614 | 1.5944 | 1.4378 | 1.2122 | 1.2843 | 1.1874 | 1.7806 |
| 9 | 1.3061 | 1.6026 | 1.3911 | 1.6374 | 1.3649 | 1.4301 | 1.6540 | 0.9256 |
| | 1.4614 | 1.2771 | 1.3828 | 1.2288 | 1.3667 | 1.2914 | 1.1915 | 1.8033 |
| 10 | 1.2151 | 1.3912 | 1.2174 | 1.3095 | 1.6767 | 1.4546 | 1.6538 | 0.8312 |
| | 1.5944 | 1.3827 | 1.5978 | 1.4696 | 1.2268 | 1.2992 | 1.2155 | 2.0036 |
| 11 | 1.3035 | 1.6373 | 1.3096 | 1.6845 | 1.3383 | 1.6854 | 1.6341 | 0.7924 |
| | 1.4378 | 1.2289 | 1.4695 | 1.2170 | 1.4293 | 1.2114 | 1.2492 | 2.1737 |
| 12 | 1.6441 | 1.3648 | 1.6766 | 1.3383 | 1.4228 | 1.6497 | 1.0911 | |
| | 1.2122 | 1.3667 | 1.2269 | 1.4293 | 1.3242 | 1.2180 | 1.5635 | |
| 13 | 1.4165 | 1.4295 | 1.4558 | 1.6855 | 1.6498 | 1.1099 | 0.6621 | |
| | 1.2843 | 1.2924 | 1.2985 | 1.2114 | 1.2180 | 1.5811 | 2.5503 | |
| 14 | 1.6535 | 1.6518 | 1.6550 | 1.6362 | 1.0919 | 0.6621 | | |
| | 1.1874 | 1.1936 | 1.2147 | 1.2478 | 1.5612 | 2.5495 | | |
| 15 | 0.9244 | 0.8522 | 0.8833 | 0.8026 | F-SUB-Q | | | |
| | 1.7806 | 1.9037 | 1.8857 | 2.1407 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6065 | 1.2892 | 1.2023 | 1.2851 | 1.6254 | 1.3983 | 1.6392 | 0.9164 |
| | 1.2805 | 1.4985 | 1.6246 | 1.4748 | 1.2399 | 1.3152 | 1.2100 | 1.8162 |
| 9 | 1.2892 | 1.5863 | 1.3715 | 1.6198 | 1.3463 | 1.4128 | 1.6399 | 0.9200 |
| | 1.4985 | 1.3051 | 1.4167 | 1.2563 | 1.4015 | 1.3212 | 1.2138 | 1.8344 |
| 10 | 1.2023 | 1.3716 | 1.1985 | 1.2934 | 1.6614 | 1.4387 | 1.6407 | 0.8297 |
| | 1.6246 | 1.4166 | 1.6358 | 1.5030 | 1.2473 | 1.3246 | 1.2360 | 2.0281 |
| 11 | 1.2851 | 1.6197 | 1.2934 | 1.6693 | 1.3237 | 1.6721 | 1.6243 | 0.7928 |
| | 1.4748 | 1.2564 | 1.5030 | 1.2398 | 1.4595 | 1.2326 | 1.2670 | 2.1913 |
| 12 | 1.6254 | 1.3462 | 1.6612 | 1.3236 | 1.4072 | 1.6379 | 1.0888 | |
| | 1.2399 | 1.4016 | 1.2475 | 1.4595 | 1.3589 | 1.2448 | 1.5868 | |
| 13 | 1.3983 | 1.4121 | 1.4396 | 1.6720 | 1.6378 | 1.1035 | 0.6568 | |
| | 1.3152 | 1.3220 | 1.3236 | 1.2327 | 1.2450 | 1.6182 | 2.6146 | |
| 14 | 1.6392 | 1.6381 | 1.6416 | 1.6261 | 1.0895 | 0.6568 | | |
| | 1.2100 | 1.2159 | 1.2353 | 1.2657 | 1.5846 | 2.6140 | | |
| 15 | 0.9164 | 0.8505 | 0.8805 | 0.7999 | F-SUB-Q | | | |
| | 1.8162 | 1.9288 | 1.9109 | 2.1665 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6031 | 1.2778 | 1.1846 | 1.2716 | 1.6186 | 1.3861 | 1.6367 | 0.9026 |
| | 1.3002 | 1.5300 | 1.6661 | 1.5111 | 1.2621 | 1.3447 | 1.2277 | 1.8694 |
| 9 | 1.2778 | 1.5819 | 1.3600 | 1.6139 | 1.3326 | 1.4016 | 1.6378 | 0.9054 |
| | 1.5300 | 1.3216 | 1.4394 | 1.2774 | 1.4353 | 1.3480 | 1.2309 | 1.8895 |
| 10 | 1.1846 | 1.3602 | 1.1854 | 1.2807 | 1.6569 | 1.4293 | 1.6390 | 0.8158 |
| | 1.6661 | 1.4392 | 1.6634 | 1.5230 | 1.2542 | 1.3381 | 1.2500 | 2.0877 |
| 11 | 1.2716 | 1.6137 | 1.2807 | 1.6653 | 1.3117 | 1.6692 | 1.6246 | 0.7757 |
| | 1.5111 | 1.2776 | 1.5231 | 1.2499 | 1.4822 | 1.2418 | 1.2710 | 2.2563 |
| 12 | 1.6186 | 1.3324 | 1.6565 | 1.3115 | 1.3974 | 1.6369 | 1.0739 | |
| | 1.2621 | 1.4354 | 1.2545 | 1.4824 | 1.3855 | 1.2606 | 1.6239 | |
| 13 | 1.3861 | 1.4008 | 1.4301 | 1.6690 | 1.6368 | 1.0876 | 0.6429 | |
| | 1.3447 | 1.3487 | 1.3372 | 1.2421 | 1.2609 | 1.6623 | 2.7055 | |
| 14 | 1.6367 | 1.6361 | 1.6400 | 1.6261 | 1.0744 | 0.6429 | | |
| | 1.2277 | 1.2330 | 1.2494 | 1.2700 | 1.6218 | 2.7049 | | |
| 15 | 0.9026 | 0.8358 | 0.8647 | 0.7863 | F-SUB-Q | | | |
| | 1.8694 | 1.9895 | 1.9694 | 2.2206 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5955 | 1.2671 | 1.1726 | 1.2587 | 1.6076 | 1.3734 | 1.6280 | 0.8926 |
| | 1.3177 | 1.5571 | 1.7003 | 1.5523 | 1.2924 | 1.3805 | 1.2549 | 1.9233 |
| 9 | 1.2671 | 1.5736 | 1.3481 | 1.6036 | 1.3192 | 1.3891 | 1.6295 | 0.8955 |
| | 1.5571 | 1.3418 | 1.4677 | 1.3062 | 1.4742 | 1.3807 | 1.2574 | 1.9430 |
| 10 | 1.1726 | 1.3483 | 1.1725 | 1.2682 | 1.6470 | 1.4181 | 1.6309 | 0.8071 |
| | 1.7003 | 1.4675 | 1.7025 | 1.5572 | 1.2764 | 1.3646 | 1.2713 | 2.1421 |
| 11 | 1.2587 | 1.6035 | 1.2682 | 1.6557 | 1.2994 | 1.6604 | 1.6182 | 0.7668 |
| | 1.5523 | 1.3063 | 1.5573 | 1.2705 | 1.5110 | 1.2607 | 1.2892 | 2.2995 |
| 12 | 1.6076 | 1.3190 | 1.6465 | 1.2991 | 1.3860 | 1.6293 | 1.0644 | |
| | 1.2924 | 1.4744 | 1.2768 | 1.5113 | 1.4081 | 1.2762 | 1.6513 | |
| 13 | 1.3734 | 1.3883 | 1.4187 | 1.6600 | 1.6290 | 1.0766 | 0.6337 | |
| | 1.3805 | 1.3815 | 1.3638 | 1.2610 | 1.2765 | 1.6952 | 2.7637 | |
| 14 | 1.6280 | 1.6278 | 1.6325 | 1.6193 | 1.0648 | 0.6336 | | |
| | 1.2549 | 1.2596 | 1.2708 | 1.2883 | 1.6494 | 2.7633 | | |
| 15 | 0.8926 | 0.8267 | 0.8551 | 0.7769 | F-SUB-Q | | | |
| | 1.9233 | 2.0459 | 2.0215 | 2.2643 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5971 | 1.2620 | 1.1653 | 1.2516 | 1.6058 | 1.3667 | 1.6279 | 0.8838 |
| | 1.3477 | 1.5988 | 1.7421 | 1.5943 | 1.3215 | 1.4172 | 1.2816 | 1.9845 |
| 9 | 1.2620 | 1.5744 | 1.3430 | 1.6023 | 1.3117 | 1.3827 | 1.6297 | 0.8860 |
| | 1.5988 | 1.3703 | 1.4968 | 1.3319 | 1.5137 | 1.4138 | 1.2833 | 2.0058 |
| 10 | 1.1653 | 1.3432 | 1.1654 | 1.2610 | 1.6458 | 1.4127 | 1.6312 | 0.7984 |
| | 1.7421 | 1.4965 | 1.7385 | 1.5913 | 1.2979 | 1.3867 | 1.2913 | 2.2069 |
| 11 | 1.2516 | 1.6022 | 1.2610 | 1.6550 | 1.2919 | 1.6600 | 1.6193 | 0.7574 |
| | 1.5943 | 1.3320 | 1.5914 | 1.2969 | 1.5504 | 1.2857 | 1.3088 | 2.3599 |
| 12 | 1.6058 | 1.3115 | 1.6452 | 1.2916 | 1.3808 | 1.6298 | 1.0547 | |
| | 1.3215 | 1.5139 | 1.2983 | 1.5507 | 1.4428 | 1.3007 | 1.6979 | |
| 13 | 1.3667 | 1.3818 | 1.4132 | 1.6594 | 1.6295 | 1.0665 | 0.6249 | |
| | 1.4172 | 1.4147 | 1.3860 | 1.2862 | 1.3010 | 1.7447 | 2.8538 | |
| 14 | 1.6279 | 1.6279 | 1.6330 | 1.6203 | 1.0550 | 0.6247 | | |
| | 1.2816 | 1.2855 | 1.2909 | 1.3080 | 1.6961 | 2.8535 | | |
| 15 | 0.8838 | 0.8175 | 0.8447 | 0.7655 | F-SUB-Q | | | |
| | 1.9845 | 2.1133 | 2.0892 | 2.3296 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5780 | 1.2509 | 1.1657 | 1.2385 | 1.5833 | 1.3513 | 1.6055 | 0.8837 |
| | 1.4047 | 1.6580 | 1.7806 | 1.6527 | 1.3756 | 1.4714 | 1.3336 | 2.0373 |
| 9 | 1.2509 | 1.5548 | 1.3286 | 1.5804 | 1.2977 | 1.3670 | 1.6071 | 0.8896 |
| | 1.6580 | 1.4225 | 1.5487 | 1.3836 | 1.5700 | 1.4650 | 1.3344 | 2.0501 |
| 10 | 1.1657 | 1.3288 | 1.1534 | 1.2483 | 1.6232 | 1.3960 | 1.6093 | 0.8052 |
| | 1.7806 | 1.5484 | 1.7991 | 1.6419 | 1.3427 | 1.4325 | 1.3391 | 2.2410 |
| 11 | 1.2385 | 1.5802 | 1.2483 | 1.6326 | 1.2787 | 1.6374 | 1.5983 | 0.7670 |
| | 1.6527 | 1.3838 | 1.6420 | 1.3402 | 1.5977 | 1.3280 | 1.3507 | 2.3797 |
| 12 | 1.5833 | 1.2974 | 1.6226 | 1.2783 | 1.3645 | 1.6075 | 1.0617 | |
| | 1.3756 | 1.5702 | 1.3432 | 1.5981 | 1.5005 | 1.3533 | 1.7224 | |
| 13 | 1.3513 | 1.3661 | 1.3963 | 1.6367 | 1.6070 | 1.0699 | 0.6279 | |
| | 1.4714 | 1.4660 | 1.4320 | 1.3286 | 1.3537 | 1.7884 | 2.9103 | |
| 14 | 1.6055 | 1.6052 | 1.6110 | 1.5991 | 1.0619 | 0.6278 | | |
| | 1.3336 | 1.3368 | 1.3382 | 1.3500 | 1.7206 | 2.9101 | | |
| 15 | 0.8837 | 0.8256 | 0.8546 | 0.7730 | F-SUB-Q | | | |
| | 2.0373 | 2.1477 | 2.1106 | 2.3556 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6002 | 1.2574 | 1.1574 | 1.2421 | 1.6019 | 1.3575 | 1.6265 | 0.8767 |
| | 1.4229 | 1.6951 | 1.8503 | 1.7009 | 1.4036 | 1.5116 | 1.3583 | 2.1190 |
| 9 | 1.2574 | 1.5760 | 1.3370 | 1.5996 | 1.3021 | 1.3740 | 1.6285 | 0.8799 |
| | 1.6951 | 1.4433 | 1.5873 | 1.4105 | 1.6149 | 1.5019 | 1.3584 | 2.1380 |
| 10 | 1.1574 | 1.3372 | 1.1549 | 1.2520 | 1.6426 | 1.4050 | 1.6312 | 0.7932 |
| | 1.8503 | 1.5869 | 1.8505 | 1.6866 | 1.3660 | 1.4647 | 1.3599 | 2.3424 |
| 11 | 1.2421 | 1.5994 | 1.2519 | 1.6528 | 1.2823 | 1.6578 | 1.6204 | 0.7517 |
| | 1.7009 | 1.4107 | 1.6868 | 1.3619 | 1.6379 | 1.3482 | 1.3693 | 2.4977 |
| 12 | 1.6019 | 1.3018 | 1.6419 | 1.2819 | 1.3733 | 1.6293 | 1.0506 | |
| | 1.4036 | 1.6151 | 1.3666 | 1.6384 | 1.5273 | 1.3678 | 1.7851 | |
| 13 | 1.3575 | 1.3730 | 1.4052 | 1.6570 | 1.6288 | 1.0602 | 0.6173 | |
| | 1.5116 | 1.5029 | 1.4643 | 1.3488 | 1.3683 | 1.8475 | 3.0274 | |
| 14 | 1.6265 | 1.6266 | 1.6327 | 1.6210 | 1.0507 | 0.6171 | | |
| | 1.3583 | 1.3607 | 1.3586 | 1.3687 | 1.7834 | 3.0272 | | |
| 15 | 0.8767 | 0.8129 | 0.8393 | 0.7605 | F-SUB-Q | | | |
| | 2.1190 | 2.2501 | 2.2129 | 2.4629 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6070 | 1.2594 | 1.1588 | 1.2417 | 1.6051 | 1.3572 | 1.6305 | 0.8760 |
| | 1.4687 | 1.7546 | 1.9157 | 1.7655 | 1.4537 | 1.5683 | 1.4051 | 2.1984 |
| 9 | 1.2594 | 1.5821 | 1.3384 | 1.6034 | 1.3015 | 1.3739 | 1.6326 | 0.8797 |
| | 1.7546 | 1.4908 | 1.6454 | 1.4597 | 1.6763 | 1.5562 | 1.4045 | 2.2166 |
| 10 | 1.1588 | 1.3387 | 1.1540 | 1.2517 | 1.6461 | 1.4055 | 1.6359 | 0.7932 |
| | 1.9157 | 1.6450 | 1.9214 | 1.7498 | 1.4128 | 1.5168 | 1.4035 | 2.4253 |
| 11 | 1.2417 | 1.6032 | 1.2516 | 1.6569 | 1.2818 | 1.6619 | 1.6255 | 0.7514 |
| | 1.7655 | 1.4599 | 1.7500 | 1.4080 | 1.6974 | 1.3927 | 1.4127 | 2.5822 |
| 12 | 1.6051 | 1.3012 | 1.6453 | 1.2813 | 1.3739 | 1.6338 | 1.0520 | |
| | 1.4537 | 1.6766 | 1.4135 | 1.6980 | 1.5786 | 1.4102 | 1.8433 | |
| 13 | 1.3572 | 1.3729 | 1.4056 | 1.6610 | 1.6332 | 1.0606 | 0.6156 | |
| | 1.5683 | 1.5573 | 1.5164 | 1.3935 | 1.4107 | 1.9076 | 3.1334 | |
| 14 | 1.6305 | 1.6307 | 1.6373 | 1.6260 | 1.0520 | 0.6154 | | |
| | 1.4051 | 1.4061 | 1.4023 | 1.4123 | 1.8417 | 3.1334 | | |
| 15 | 0.8760 | 0.8130 | 0.8401 | 0.7606 | F-SUB-Q | | | |
| | 2.1984 | 2.3321 | 2.2888 | 2.5447 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6006 | 1.2572 | 1.1669 | 1.2377 | 1.5951 | 1.3512 | 1.6208 | 0.8801 |
| | 1.4468 | 1.7050 | 1.8259 | 1.7070 | 1.4238 | 1.5518 | 1.4054 | 2.1608 |
| 9 | 1.2572 | 1.5749 | 1.3336 | 1.5940 | 1.2965 | 1.3676 | 1.6227 | 0.8865 |
| | 1.7050 | 1.4575 | 1.5907 | 1.4277 | 1.6290 | 1.5450 | 1.4064 | 2.1726 |
| 10 | 1.1669 | 1.3340 | 1.1532 | 1.2477 | 1.6362 | 1.3987 | 1.6267 | 0.8021 |
| | 1.8259 | 1.5903 | 1.8498 | 1.7092 | 1.4067 | 1.5163 | 1.4118 | 2.3735 |
| 11 | 1.2377 | 1.5937 | 1.2476 | 1.6474 | 1.2774 | 1.6521 | 1.6171 | 0.7635 |
| | 1.7070 | 1.4280 | 1.7093 | 1.3983 | 1.6819 | 1.4005 | 1.4281 | 2.5256 |
| 12 | 1.5951 | 1.2962 | 1.6354 | 1.2768 | 1.3673 | 1.6242 | 1.0630 | |
| | 1.4238 | 1.6293 | 1.4074 | 1.6825 | 1.5988 | 1.4355 | 1.8301 | |
| 13 | 1.3512 | 1.3666 | 1.3987 | 1.6510 | 1.6235 | 1.0686 | 0.6210 | |
| | 1.5518 | 1.5461 | 1.5161 | 1.4014 | 1.4361 | 1.9088 | 3.1109 | |
| 14 | 1.6208 | 1.6207 | 1.6279 | 1.6174 | 1.0629 | 0.6207 | | |
| | 1.4054 | 1.4087 | 1.4118 | 1.4278 | 1.8286 | 3.1110 | | |
| 15 | 0.8801 | 0.8231 | 0.8522 | 0.7694 | F-SUB-Q | | | |
| | 2.1608 | 2.2737 | 2.2342 | 2.5014 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6288 | 1.2690 | 1.1634 | 1.2464 | 1.6196 | 1.3628 | 1.6481 | 0.8765 |
| | 1.3715 | 1.6292 | 1.7669 | 1.6352 | 1.3524 | 1.4839 | 1.3326 | 2.0927 |
| 9 | 1.2690 | 1.6020 | 1.3471 | 1.6192 | 1.3059 | 1.3800 | 1.6504 | 0.8804 |
| | 1.6292 | 1.3818 | 1.5192 | 1.3554 | 1.5599 | 1.4759 | 1.3333 | 2.1102 |
| 10 | 1.1634 | 1.3475 | 1.1566 | 1.2566 | 1.6615 | 1.4133 | 1.6551 | 0.7937 |
| | 1.7669 | 1.5188 | 1.7785 | 1.6353 | 1.3340 | 1.4452 | 1.3370 | 2.3124 |
| 11 | 1.2464 | 1.6189 | 1.2565 | 1.6738 | 1.2862 | 1.6786 | 1.6457 | 0.7513 |
| | 1.6352 | 1.3556 | 1.6355 | 1.3255 | 1.6081 | 1.3275 | 1.3512 | 2.4721 |
| 12 | 1.6196 | 1.3056 | 1.6606 | 1.2855 | 1.3815 | 1.6524 | 1.0562 | |
| | 1.3524 | 1.5602 | 1.3347 | 1.6088 | 1.5242 | 1.3592 | 1.7731 | |
| 13 | 1.3628 | 1.3790 | 1.4131 | 1.6774 | 1.6516 | 1.0630 | 0.6129 | |
| | 1.4839 | 1.4770 | 1.4451 | 1.3284 | 1.3599 | 1.8476 | 3.0316 | |
| 14 | 1.6481 | 1.6484 | 1.6563 | 1.6458 | 1.0560 | 0.6126 | | |
| | 1.3326 | 1.3355 | 1.3370 | 1.3511 | 1.7718 | 3.0319 | | |
| 15 | 0.8765 | 0.8141 | 0.8407 | 0.7600 | F-SUB-Q | | | |
| | 2.0927 | 2.2173 | 2.1836 | 2.4389 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6472 | 1.2786 | 1.1698 | 1.2534 | 1.6344 | 1.3711 | 1.6645 | 0.8787 |
| | 1.3191 | 1.5722 | 1.7098 | 1.5798 | 1.3023 | 1.4331 | 1.2815 | 2.0274 |
| 9 | 1.2786 | 1.6195 | 1.3567 | 1.6346 | 1.3131 | 1.3886 | 1.6670 | 0.8800 |
| | 1.5722 | 1.3289 | 1.4661 | 1.3047 | 1.5075 | 1.4246 | 1.2820 | 2.0502 |
| 10 | 1.1698 | 1.3571 | 1.1625 | 1.2638 | 1.6769 | 1.4231 | 1.6727 | 0.7947 |
| | 1.7098 | 1.4657 | 1.7188 | 1.5788 | 1.2830 | 1.3929 | 1.2845 | 2.2420 |
| 11 | 1.2534 | 1.6343 | 1.2637 | 1.6899 | 1.2933 | 1.6948 | 1.6637 | 0.7520 |
| | 1.5798 | 1.3049 | 1.5791 | 1.2747 | 1.5522 | 1.2754 | 1.2963 | 2.3960 |
| 12 | 1.6344 | 1.3127 | 1.6758 | 1.2926 | 1.3911 | 1.6694 | 1.0598 | |
| | 1.3023 | 1.5078 | 1.2838 | 1.5529 | 1.4682 | 1.3044 | 1.7135 | |
| 13 | 1.3711 | 1.3875 | 1.4228 | 1.6934 | 1.6685 | 1.0660 | 0.6120 | |
| | 1.4331 | 1.4256 | 1.3929 | 1.2764 | 1.3051 | 1.7864 | 2.9409 | |
| 14 | 1.6645 | 1.6650 | 1.6737 | 1.6636 | 1.0595 | 0.6117 | | |
| | 1.2815 | 1.2841 | 1.2846 | 1.2964 | 1.7125 | 2.9412 | | |
| 15 | 0.8787 | 0.8151 | 0.8429 | 0.7596 | F-SUB-Q | | | |
| | 2.0274 | 2.1504 | 2.1159 | 2.3673 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6621 | 1.2880 | 1.1790 | 1.2608 | 1.6462 | 1.3789 | 1.6772 | 0.8850 |
| | 1.2766 | 1.5245 | 1.6555 | 1.5341 | 1.2620 | 1.3900 | 1.2402 | 1.9634 |
| 9 | 1.2880 | 1.6335 | 1.3661 | 1.6469 | 1.3206 | 1.3967 | 1.6797 | 0.8896 |
| | 1.5245 | 1.2865 | 1.4222 | 1.2639 | 1.4633 | 1.3810 | 1.2406 | 1.9781 |
| 10 | 1.1790 | 1.3665 | 1.1681 | 1.2713 | 1.6892 | 1.4314 | 1.6859 | 0.8023 |
| | 1.6555 | 1.4217 | 1.6704 | 1.5313 | 1.2416 | 1.3494 | 1.2423 | 2.1649 |
| 11 | 1.2608 | 1.6466 | 1.2711 | 1.7029 | 1.3007 | 1.7073 | 1.6772 | 0.7589 |
| | 1.5341 | 1.2642 | 1.5315 | 1.2331 | 1.5040 | 1.2335 | 1.2523 | 2.3130 |
| 12 | 1.6462 | 1.3202 | 1.6880 | 1.2999 | 1.3995 | 1.6823 | 1.0705 | |
| | 1.2620 | 1.4637 | 1.2424 | 1.5048 | 1.4213 | 1.2601 | 1.6513 | |
| 13 | 1.3789 | 1.3956 | 1.4310 | 1.7058 | 1.6813 | 1.0754 | 0.6164 | |
| | 1.3900 | 1.3821 | 1.3496 | 1.2345 | 1.2608 | 1.7229 | 2.8417 | |
| 14 | 1.6772 | 1.6776 | 1.6868 | 1.6770 | 1.0701 | 0.6160 | | |
| | 1.2402 | 1.2426 | 1.2423 | 1.2525 | 1.6504 | 2.8421 | | |
| 15 | 0.8850 | 0.8234 | 0.8508 | 0.7683 | F-SUB-Q | | | |
| | 1.9634 | 2.0764 | 2.0417 | 2.2801 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6726 | 1.2979 | 1.1986 | 1.2693 | 1.6528 | 1.3868 | 1.6838 | 0.8979 |
| | 1.3461 | 1.6050 | 1.7298 | 1.6181 | 1.3340 | 1.4655 | 1.3092 | 2.0515 |
| 9 | 1.2979 | 1.6420 | 1.3747 | 1.6539 | 1.3290 | 1.4045 | 1.6861 | 0.9052 |
| | 1.6050 | 1.3579 | 1.5008 | 1.3356 | 1.5436 | 1.4556 | 1.3094 | 2.0606 |
| 10 | 1.1986 | 1.3751 | 1.1828 | 1.2799 | 1.6962 | 1.4401 | 1.6928 | 0.8190 |
| | 1.7298 | 1.5003 | 1.7533 | 1.6130 | 1.3099 | 1.4203 | 1.3102 | 2.2473 |
| 11 | 1.2693 | 1.6535 | 1.2797 | 1.7103 | 1.3095 | 1.7145 | 1.6847 | 0.7785 |
| | 1.6181 | 1.3359 | 1.6132 | 1.3008 | 1.5823 | 1.2999 | 1.3189 | 2.3875 |
| 12 | 1.6528 | 1.3286 | 1.6950 | 1.3087 | 1.4069 | 1.6890 | 1.0918 | |
| | 1.3340 | 1.5439 | 1.3108 | 1.5832 | 1.4944 | 1.3262 | 1.7121 | |
| 13 | 1.3868 | 1.4033 | 1.4396 | 1.7130 | 1.6879 | 1.0940 | 0.6276 | |
| | 1.4655 | 1.4568 | 1.4205 | 1.3010 | 1.3270 | 1.7894 | 2.9499 | |
| 14 | 1.6838 | 1.6839 | 1.6935 | 1.6844 | 1.0915 | 0.6273 | | |
| | 1.3092 | 1.3116 | 1.3096 | 1.3191 | 1.7112 | 2.9504 | | |
| 15 | 0.8979 | 0.8411 | 0.8710 | 0.7844 | F-SUB-Q | | | |
| | 2.0515 | 2.1550 | 2.1131 | 2.3647 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7201 | 1.3238 | 1.2064 | 1.2923 | 1.6984 | 1.4145 | 1.7325 | 0.9026 |
| | 1.2857 | 1.5495 | 1.6976 | 1.5708 | 1.2829 | 1.4184 | 1.2554 | 2.0137 |
| 9 | 1.3238 | 1.6894 | 1.4040 | 1.7002 | 1.3535 | 1.4332 | 1.7353 | 0.9050 |
| | 1.5495 | 1.3007 | 1.4513 | 1.2834 | 1.4980 | 1.4074 | 1.2553 | 2.0337 |
| 10 | 1.2064 | 1.4044 | 1.1959 | 1.3032 | 1.7432 | 1.4702 | 1.7430 | 0.8171 |
| | 1.6976 | 1.4508 | 1.7111 | 1.5640 | 1.2570 | 1.3712 | 1.2537 | 2.2216 |
| 11 | 1.2923 | 1.6998 | 1.3030 | 1.7585 | 1.3331 | 1.7629 | 1.7347 | 0.7720 |
| | 1.5708 | 1.2837 | 1.5643 | 1.2477 | 1.5323 | 1.2453 | 1.2613 | 2.3727 |
| 12 | 1.6984 | 1.3530 | 1.7419 | 1.3322 | 1.4377 | 1.7385 | 1.0941 | |
| | 1.2829 | 1.4984 | 1.2579 | 1.5331 | 1.4349 | 1.2664 | 1.6815 | |
| 13 | 1.4145 | 1.4320 | 1.4697 | 1.7612 | 1.7373 | 1.0983 | 0.6248 | |
| | 1.4184 | 1.4086 | 1.3714 | 1.2464 | 1.2672 | 1.7507 | 2.9140 | |
| 14 | 1.7325 | 1.7330 | 1.7436 | 1.7343 | 1.0936 | 0.6244 | | |
| | 1.2554 | 1.2569 | 1.2532 | 1.2616 | 1.6807 | 2.9146 | | |
| 15 | 0.9026 | 0.8386 | 0.8672 | 0.7801 | F-SUB-Q | | | |
| | 2.0137 | 2.1325 | 2.0937 | 2.3428 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7541 | 1.3465 | 1.2259 | 1.3132 | 1.7300 | 1.4385 | 1.7658 | 0.9162 |
| | 1.2217 | 1.4798 | 1.6282 | 1.5067 | 1.2271 | 1.3616 | 1.2024 | 1.9404 |
| 9 | 1.3465 | 1.7221 | 1.4284 | 1.7320 | 1.3756 | 1.4576 | 1.7686 | 0.9186 |
| | 1.4798 | 1.2405 | 1.3900 | 1.2271 | 1.4365 | 1.3504 | 1.2021 | 1.9595 |
| 10 | 1.2259 | 1.4289 | 1.2143 | 1.3243 | 1.7758 | 1.4958 | 1.7768 | 0.8288 |
| | 1.6282 | 1.3895 | 1.6421 | 1.4987 | 1.2015 | 1.3142 | 1.1995 | 2.1414 |
| 11 | 1.3132 | 1.7316 | 1.3241 | 1.7917 | 1.3546 | 1.7963 | 1.7686 | 0.7829 |
| | 1.5067 | 1.2274 | 1.4990 | 1.1915 | 1.4682 | 1.1900 | 1.2062 | 2.2871 |
| 12 | 1.7300 | 1.3751 | 1.7745 | 1.3537 | 1.4624 | 1.7719 | 1.1119 | |
| | 1.2271 | 1.4369 | 1.2024 | 1.4690 | 1.3703 | 1.2089 | 1.6129 | |
| 13 | 1.4385 | 1.4564 | 1.4953 | 1.7946 | 1.7707 | 1.1159 | 0.6328 | |
| | 1.3616 | 1.3516 | 1.3144 | 1.1911 | 1.2097 | 1.6769 | 2.8110 | |
| 14 | 1.7658 | 1.7663 | 1.7775 | 1.7681 | 1.1114 | 0.6324 | | |
| | 1.2024 | 1.2036 | 1.1991 | 1.2065 | 1.6122 | 2.8116 | | |
| 15 | 0.9162 | 0.8509 | 0.8805 | 0.7914 | F-SUB-Q | | | |
| | 1.9404 | 2.0555 | 2.0162 | 2.2578 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7664 | 1.3618 | 1.2561 | 1.3281 | 1.7384 | 1.4538 | 1.7739 | 0.9370 |
| | 1.1845 | 1.4300 | 1.5564 | 1.4591 | 1.1953 | 1.3182 | 1.1706 | 1.8571 |
| 9 | 1.3618 | 1.7311 | 1.4428 | 1.7401 | 1.3908 | 1.4725 | 1.7760 | 0.9448 |
| | 1.4300 | 1.2061 | 1.3473 | 1.1951 | 1.3911 | 1.3076 | 1.1703 | 1.8642 |
| 10 | 1.2561 | 1.4433 | 1.2385 | 1.3416 | 1.7846 | 1.5114 | 1.7836 | 0.8531 |
| | 1.5564 | 1.3469 | 1.5785 | 1.4492 | 1.1682 | 1.2707 | 1.1671 | 2.0350 |
| 11 | 1.3281 | 1.7397 | 1.3414 | 1.7999 | 1.3716 | 1.8050 | 1.7757 | 0.8104 |
| | 1.4591 | 1.1954 | 1.4495 | 1.1589 | 1.4185 | 1.1560 | 1.1725 | 2.1597 |
| 12 | 1.7384 | 1.3904 | 1.7833 | 1.3706 | 1.4751 | 1.7790 | 1.1438 | |
| | 1.1953 | 1.3915 | 1.1690 | 1.4194 | 1.3245 | 1.1735 | 1.5302 | |
| 13 | 1.4538 | 1.4712 | 1.5109 | 1.8033 | 1.7779 | 1.1455 | 0.6512 | |
| | 1.3182 | 1.3086 | 1.2709 | 1.1571 | 1.1743 | 1.5926 | 2.6659 | |
| 14 | 1.7739 | 1.7737 | 1.7845 | 1.7755 | 1.1434 | 0.6508 | | |
| | 1.1706 | 1.1717 | 1.1665 | 1.1727 | 1.5294 | 2.6664 | | |
| 15 | 0.9370 | 0.8772 | 0.9111 | 0.8169 | F-SUB-Q | | | |
| | 1.8571 | 1.9513 | 1.9053 | 2.1379 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7955 | 1.3802 | 1.2572 | 1.3451 | 1.7700 | 1.4763 | 1.8057 | 0.9358 |
| | 1.1435 | 1.3855 | 1.5289 | 1.4164 | 1.1534 | 1.2751 | 1.1287 | 1.8260 |
| 9 | 1.3802 | 1.7630 | 1.4665 | 1.7712 | 1.4100 | 1.4953 | 1.8078 | 0.9400 |
| | 1.3855 | 1.1627 | 1.3028 | 1.1535 | 1.3488 | 1.2644 | 1.1280 | 1.8405 |
| 10 | 1.2572 | 1.4670 | 1.2414 | 1.3542 | 1.8154 | 1.5330 | 1.8144 | 0.8421 |
| | 1.5289 | 1.3023 | 1.5463 | 1.4082 | 1.1268 | 1.2290 | 1.1249 | 2.0244 |
| 11 | 1.3451 | 1.7708 | 1.3540 | 1.8311 | 1.3842 | 1.8359 | 1.8047 | 0.7975 |
| | 1.4164 | 1.1537 | 1.4084 | 1.1176 | 1.3775 | 1.1144 | 1.1308 | 2.1540 |
| 12 | 1.7700 | 1.4095 | 1.8142 | 1.3833 | 1.4981 | 1.8102 | 1.1371 | |
| | 1.1534 | 1.3492 | 1.1275 | 1.3782 | 1.2781 | 1.1297 | 1.5089 | |
| 13 | 1.4763 | 1.4940 | 1.5327 | 1.8343 | 1.8091 | 1.1441 | 0.6455 | |
| | 1.2751 | 1.2654 | 1.2290 | 1.1153 | 1.1304 | 1.5625 | 2.6370 | |
| 14 | 1.8057 | 1.8056 | 1.8157 | 1.8048 | 1.1368 | 0.6452 | | |
| | 1.1287 | 1.1294 | 1.1242 | 1.1308 | 1.5079 | 2.6373 | | |
| 15 | 0.9358 | 0.8669 | 0.8999 | 0.8075 | F-SUB-Q | | | |
| | 1.8260 | 1.9395 | 1.8942 | 2.1224 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7336 | 1.3456 | 1.2293 | 1.3112 | 1.7138 | 1.4421 | 1.7420 | 0.9063 |
| | 1.1657 | 1.4002 | 1.5418 | 1.4323 | 1.1736 | 1.2854 | 1.1517 | 1.8570 |
| 9 | 1.3456 | 1.7050 | 1.4348 | 1.7130 | 1.3762 | 1.4582 | 1.7437 | 0.9078 |
| | 1.4002 | 1.1839 | 1.3123 | 1.1748 | 1.3620 | 1.2768 | 1.1510 | 1.8771 |
| 10 | 1.2293 | 1.4353 | 1.2134 | 1.3176 | 1.7533 | 1.4932 | 1.7476 | 0.8085 |
| | 1.5418 | 1.3118 | 1.5604 | 1.4257 | 1.1481 | 1.2417 | 1.1488 | 2.0763 |
| 11 | 1.3112 | 1.7126 | 1.3175 | 1.7675 | 1.3452 | 1.7708 | 1.7343 | 0.7692 |
| | 1.4323 | 1.1750 | 1.4260 | 1.1396 | 1.3956 | 1.1363 | 1.1569 | 2.1983 |
| 12 | 1.7138 | 1.3758 | 1.7522 | 1.3445 | 1.4613 | 1.7450 | 1.0994 | |
| | 1.1736 | 1.3623 | 1.1488 | 1.3963 | 1.2888 | 1.1518 | 1.5349 | |
| 13 | 1.4421 | 1.4571 | 1.4930 | 1.7695 | 1.7441 | 1.1125 | 0.6257 | |
| | 1.2854 | 1.2777 | 1.2415 | 1.1371 | 1.1524 | 1.5805 | 2.6771 | |
| 14 | 1.7420 | 1.7416 | 1.7497 | 1.7349 | 1.0993 | 0.6255 | | |
| | 1.1517 | 1.1523 | 1.1474 | 1.1565 | 1.5338 | 2.6772 | | |
| 15 | 0.9063 | 0.8354 | 0.8726 | 0.7774 | F-SUB-Q | | | |
| | 1.8570 | 1.9823 | 1.9229 | 2.1703 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 100% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4843 | 1.1823 | 1.0884 | 1.1502 | 1.4741 | 1.2624 | 1.4872 | 0.7858 |
| | 1.3418 | 1.5715 | 1.7189 | 1.6116 | 1.3454 | 1.4481 | 1.3291 | 2.1127 |
| 9 | 1.1823 | 1.4652 | 1.2663 | 1.4720 | 1.2123 | 1.2761 | 1.4887 | 0.7907 |
| | 1.5715 | 1.3581 | 1.4672 | 1.3478 | 1.5253 | 1.4385 | 1.3280 | 2.1245 |
| 10 | 1.0884 | 1.2667 | 1.0714 | 1.1546 | 1.4996 | 1.3049 | 1.4903 | 0.6907 |
| | 1.7189 | 1.4667 | 1.7447 | 1.6053 | 1.3226 | 1.4002 | 1.3268 | 2.3969 |
| 11 | 1.1502 | 1.4718 | 1.1545 | 1.5194 | 1.1789 | 1.5090 | 1.4708 | 0.6611 |
| | 1.6116 | 1.3481 | 1.6054 | 1.3065 | 1.5710 | 1.3132 | 1.3432 | 2.5216 |
| 12 | 1.4741 | 1.2119 | 1.4988 | 1.1783 | 1.2968 | 1.4918 | 0.9440 | |
| | 1.3454 | 1.5257 | 1.3233 | 1.5716 | 1.4308 | 1.3265 | 1.7609 | |
| 13 | 1.2624 | 1.2752 | 1.3052 | 1.5081 | 1.4912 | 0.9703 | 0.5431 | |
| | 1.4481 | 1.4394 | 1.3997 | 1.3140 | 1.3271 | 1.7850 | 3.0420 | |
| 14 | 1.4872 | 1.4871 | 1.4912 | 1.4719 | 0.9440 | 0.5430 | | |
| | 1.3291 | 1.3295 | 1.3260 | 1.3422 | 1.7594 | 3.0420 | | |
| 15 | 0.7858 | 0.7206 | 0.7612 | 0.6681 | F-SUB-Q | | | |
| | 2.1127 | 2.2657 | 2.1735 | 2.4896 | M-SUB-Q | | | |

AT 100% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6992 | 0.5981 | 0.5648 | 0.5947 | 0.6940 | 0.6017 | 0.6649 | 0.3801 |
| | 2.8066 | 3.0627 | 3.2665 | 3.0727 | 2.8154 | 2.9929 | 2.9272 | 4.3114 |
| 9 | 0.5981 | 0.6871 | 0.6055 | 0.6920 | 0.6139 | 0.6074 | 0.6651 | 0.3819 |
| | 3.0627 | 2.8542 | 3.0247 | 2.8255 | 2.9694 | 2.9767 | 2.9267 | 4.3425 |
| 10 | 0.5648 | 0.6057 | 0.5573 | 0.5961 | 0.7036 | 0.6176 | 0.6640 | 0.3548 |
| | 3.2665 | 3.0237 | 3.3081 | 3.0645 | 2.7766 | 2.9137 | 2.9317 | 4.6065 |
| 11 | 0.5947 | 0.6920 | 0.5960 | 0.6924 | 0.6072 | 0.7028 | 0.6473 | 0.3281 |
| | 3.0727 | 2.8259 | 3.0648 | 2.8233 | 3.0050 | 2.7765 | 3.0068 | 5.0194 |
| 12 | 0.6940 | 0.6137 | 0.7033 | 0.6070 | 0.6118 | 0.6647 | 0.4553 | |
| | 2.8154 | 2.9700 | 2.7778 | 3.0060 | 2.9869 | 2.9308 | 3.5996 | |
| 13 | 0.6017 | 0.6071 | 0.6178 | 0.7026 | 0.6645 | 0.4706 | 0.2745 | |
| | 2.9929 | 2.9783 | 2.9122 | 2.7773 | 2.9316 | 3.6284 | 5.9482 | |
| 14 | 0.6649 | 0.6640 | 0.6646 | 0.6482 | 0.4555 | 0.2745 | | |
| | 2.9272 | 2.9316 | 2.9290 | 3.0029 | 3.5954 | 5.9471 | | |
| 15 | 0.3801 | 0.3663 | 0.3695 | 0.3318 | F-SUB-Q | | | |
| | 4.3114 | 4.4016 | 4.4210 | 4.9511 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4341 | 0.4809 | 0.5048 | 0.5532 | 0.6393 | 0.5513 | 0.5493 | 0.2985 |
| | 3.5053 | 4.0639 | 4.0063 | 3.6269 | 3.1376 | 3.6530 | 3.7134 | 6.2233 |
| 9 | 0.4809 | 0.5775 | 0.5408 | 0.6228 | 0.5682 | 0.5342 | 0.5421 | 0.2969 |
| | 4.0639 | 3.5520 | 3.7544 | 3.2296 | 3.5282 | 3.7657 | 3.7620 | 6.2444 |
| 10 | 0.5048 | 0.5410 | 0.4931 | 0.5222 | 0.5913 | 0.5087 | 0.5036 | 0.2587 |
| | 4.0063 | 3.7532 | 4.1860 | 3.8533 | 3.3911 | 3.9312 | 3.9655 | 7.1203 |
| 11 | 0.5532 | 0.6230 | 0.5227 | 0.5421 | 0.4744 | 0.5003 | 0.4482 | 0.2211 |
| | 3.6269 | 3.2282 | 3.8495 | 3.7453 | 4.2515 | 3.9293 | 4.4412 | 8.1480 |
| 12 | 0.6393 | 0.5685 | 0.5921 | 0.4749 | 0.3682 | 0.3798 | 0.2901 | |
| | 3.1376 | 3.5266 | 3.3866 | 4.2468 | 4.3850 | 4.3207 | 5.8160 | |
| 13 | 0.5513 | 0.5346 | 0.5100 | 0.5024 | 0.3816 | 0.2445 | 0.1431 | |
| | 3.6530 | 3.7628 | 3.9209 | 3.9169 | 4.3109 | 5.4275 | *10.4571 | |
| 14 | 0.5493 | 0.5416 | 0.5066 | 0.4519 | 0.2923 | 0.1436 | | |
| | 3.7135 | 3.7651 | 3.9419 | 4.4049 | 5.7826 | *10.4319 | | |
| 15 | 0.2985 | 0.2786 | 0.2735 | 0.2270 | F-SUB-Q | | | |
| | 6.2233 | 6.6995 | 6.6305 | 7.9421 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0223 | 1.0610 | 1.0977 | 1.1863 | 1.5036 | 1.2802 | 1.3923 | 0.6922 |
| | 1.5378 | 1.9012 | 1.8968 | 1.7435 | 1.3753 | 1.6205 | 1.5065 | 2.7655 |
| 9 | 1.0610 | 1.3888 | 1.2692 | 1.4757 | 1.2468 | 1.2494 | 1.3754 | 0.6865 |
| | 1.9012 | 1.5121 | 1.6430 | 1.4032 | 1.6581 | 1.6592 | 1.5114 | 2.7626 |
| 10 | 1.0977 | 1.2694 | 1.0767 | 1.1148 | 1.3945 | 1.1844 | 1.2872 | 0.5625 |
| | 1.8968 | 1.6426 | 1.9601 | 1.8589 | 1.4818 | 1.7429 | 1.5977 | 3.3669 |
| 11 | 1.1863 | 1.4762 | 1.1158 | 1.3323 | 1.0008 | 1.1966 | 1.1266 | 0.5047 |
| | 1.7435 | 1.4027 | 1.8573 | 1.5627 | 2.0351 | 1.6773 | 1.8238 | 3.6829 |
| 12 | 1.5036 | 1.2473 | 1.3961 | 1.0018 | 0.8556 | 0.9537 | 0.6795 | |
| | 1.3753 | 1.6574 | 1.4800 | 2.0330 | 1.8859 | 1.7288 | 2.5394 | |
| 13 | 1.2802 | 1.2502 | 1.1876 | 1.2015 | 0.9580 | 0.5881 | 0.3235 | |
| | 1.6205 | 1.6580 | 1.7382 | 1.6721 | 1.7252 | 2.2992 | 4.7377 | |
| 14 | 1.3923 | 1.3737 | 1.2951 | 1.1360 | 0.6845 | 0.3247 | | |
| | 1.5065 | 1.5130 | 1.5879 | 1.8086 | 2.5252 | 4.7267 | | |
| 15 | 0.6922 | 0.6152 | 0.6332 | 0.5172 | F-SUB-Q | | | |
| | 2.7655 | 3.1112 | 2.9450 | 3.5979 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1205 | 1.2629 | 1.3236 | 1.3794 | 1.5387 | 1.5127 | 1.5191 | 0.8054 |
| | 1.6074 | 1.6891 | 1.6128 | 1.5362 | 1.3745 | 1.4006 | 1.3921 | 2.3915 |
| 9 | 1.2629 | 1.4339 | 1.4976 | 1.4940 | 1.4371 | 1.4916 | 1.5041 | 0.7953 |
| | 1.6891 | 1.4990 | 1.4257 | 1.4184 | 1.4725 | 1.4194 | 1.4050 | 2.4162 |
| 10 | 1.3236 | 1.4977 | 1.3050 | 1.2855 | 1.3944 | 1.3955 | 1.4308 | 0.6602 |
| | 1.6128 | 1.4256 | 1.6402 | 1.6549 | 1.5208 | 1.5128 | 1.4721 | 2.9300 |
| 11 | 1.3794 | 1.4944 | 1.2863 | 1.3765 | 1.1323 | 1.2082 | 1.2602 | 0.5924 |
| | 1.5362 | 1.4180 | 1.6535 | 1.5497 | 1.8027 | 1.7220 | 1.6725 | 3.2212 |
| 12 | 1.5387 | 1.4378 | 1.3957 | 1.1339 | 1.0065 | 1.0512 | 0.7803 | |
| | 1.3745 | 1.4718 | 1.5193 | 1.8017 | 1.6219 | 1.5749 | 2.2630 | |
| 13 | 1.5127 | 1.4925 | 1.4011 | 1.2125 | 1.0554 | 0.7018 | 0.3921 | |
| | 1.4006 | 1.4185 | 1.5067 | 1.7179 | 1.5722 | 1.9831 | 4.0221 | |
| 14 | 1.5191 | 1.5033 | 1.4367 | 1.2730 | 0.7862 | 0.3935 | | |
| | 1.3921 | 1.4057 | 1.4654 | 1.6555 | 2.2496 | 4.0126 | | |
| 15 | 0.8054 | 0.7201 | 0.7391 | 0.6093 | F-SUB-Q | | | |
| | 2.3915 | 2.6857 | 2.5778 | 3.1353 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2481 | 1.3816 | 1.4455 | 1.4817 | 1.6778 | 1.6445 | 1.6794 | 0.8438 |
| | 1.5257 | 1.6192 | 1.5241 | 1.4729 | 1.2953 | 1.3219 | 1.2885 | 2.3344 |
| 9 | 1.3816 | 1.5838 | 1.6429 | 1.6312 | 1.5488 | 1.6258 | 1.6634 | 0.8306 |
| | 1.6192 | 1.4024 | 1.3397 | 1.3378 | 1.4042 | 1.3364 | 1.3014 | 2.3682 |
| 10 | 1.4455 | 1.6430 | 1.4271 | 1.3872 | 1.5207 | 1.5268 | 1.5818 | 0.6897 |
| | 1.5241 | 1.3396 | 1.5454 | 1.5828 | 1.4347 | 1.4240 | 1.3690 | 2.8843 |
| 11 | 1.4817 | 1.6317 | 1.3882 | 1.5155 | 1.2079 | 1.3140 | 1.3878 | 0.6232 |
| | 1.4729 | 1.3374 | 1.5815 | 1.4547 | 1.7274 | 1.6199 | 1.5722 | 3.1660 |
| 12 | 1.6778 | 1.5498 | 1.5237 | 1.2097 | 1.0950 | 1.1682 | 0.8251 | |
| | 1.2953 | 1.4033 | 1.4319 | 1.7264 | 1.5305 | 1.4690 | 2.2250 | |
| 13 | 1.6445 | 1.6270 | 1.5334 | 1.3195 | 1.1729 | 0.7673 | 0.4196 | |
| | 1.3219 | 1.3357 | 1.4178 | 1.6166 | 1.4663 | 1.9057 | 3.9384 | |
| 14 | 1.6794 | 1.6628 | 1.5905 | 1.4026 | 0.8316 | 0.4211 | | |
| | 1.2884 | 1.3019 | 1.3618 | 1.5553 | 2.2111 | 3.9288 | | |
| 15 | 0.8438 | 0.7470 | 0.7747 | 0.6416 | F-SUB-Q | | | |
| | 2.3344 | 2.6500 | 2.5289 | 3.0776 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3402 | 1.4458 | 1.4981 | 1.5293 | 1.7505 | 1.6983 | 1.7574 | 0.8665 |
| | 1.5209 | 1.6214 | 1.5263 | 1.4746 | 1.2820 | 1.3194 | 1.2714 | 2.3483 |
| 9 | 1.4458 | 1.6702 | 1.7105 | 1.6991 | 1.5973 | 1.6812 | 1.7412 | 0.8550 |
| | 1.6214 | 1.3878 | 1.3350 | 1.3273 | 1.4063 | 1.3336 | 1.2849 | 2.3781 |
| 10 | 1.4981 | 1.7106 | 1.4786 | 1.4332 | 1.5842 | 1.5882 | 1.6620 | 0.7133 |
| | 1.5263 | 1.3350 | 1.5512 | 1.5897 | 1.4263 | 1.4175 | 1.3493 | 2.8902 |
| 11 | 1.5293 | 1.6996 | 1.4343 | 1.5840 | 1.2605 | 1.3839 | 1.4666 | 0.6460 |
| | 1.4746 | 1.3268 | 1.5884 | 1.4511 | 1.7410 | 1.6090 | 1.5467 | 3.1684 |
| 12 | 1.7505 | 1.5985 | 1.5875 | 1.2624 | 1.1687 | 1.2696 | 0.8744 | |
| | 1.2820 | 1.4052 | 1.4231 | 1.7400 | 1.5316 | 1.4541 | 2.2257 | |
| 13 | 1.6983 | 1.6822 | 1.5954 | 1.3935 | 1.2746 | 0.8379 | 0.4459 | |
| | 1.3194 | 1.3329 | 1.4107 | 1.6055 | 1.4512 | 1.9078 | 3.9850 | |
| 14 | 1.7574 | 1.7409 | 1.6728 | 1.4826 | 0.8812 | 0.4475 | | |
| | 1.2714 | 1.2851 | 1.3403 | 1.5292 | 2.2114 | 3.9749 | | |
| 15 | 0.8665 | 0.7710 | 0.8000 | 0.6653 | F-SUB-Q | | | |
| | 2.3483 | 2.6542 | 2.5367 | 3.0773 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4872 | 1.4992 | 1.5298 | 1.5554 | 1.7881 | 1.7298 | 1.7986 | 0.8824 |
| | 1.5484 | 1.6581 | 1.5609 | 1.5068 | 1.2992 | 1.3358 | 1.2822 | 2.3820 |
| 9 | 1.4992 | 1.7266 | 1.7504 | 1.7352 | 1.6235 | 1.7138 | 1.7830 | 0.8724 |
| | 1.6581 | 1.4094 | 1.3603 | 1.3504 | 1.4346 | 1.3506 | 1.2957 | 2.4079 |
| 10 | 1.5298 | 1.7505 | 1.5083 | 1.4621 | 1.6216 | 1.6274 | 1.7120 | 0.7326 |
| | 1.5609 | 1.3602 | 1.5863 | 1.6257 | 1.4523 | 1.4397 | 1.3605 | 2.9152 |
| 11 | 1.5554 | 1.7358 | 1.4633 | 1.6285 | 1.3124 | 1.4433 | 1.5235 | 0.6660 |
| | 1.5068 | 1.3500 | 1.6242 | 1.4811 | 1.7808 | 1.6350 | 1.5649 | 3.2179 |
| 12 | 1.7881 | 1.6246 | 1.6252 | 1.3145 | 1.2947 | 1.4036 | 0.9274 | |
| | 1.2992 | 1.4336 | 1.4489 | 1.7796 | 1.5640 | 1.4769 | 2.2542 | |
| 13 | 1.7298 | 1.7152 | 1.6351 | 1.4486 | 1.4079 | 0.9492 | 0.4780 | |
| | 1.3358 | 1.3494 | 1.4325 | 1.6311 | 1.4738 | 1.9469 | 4.0855 | |
| 14 | 1.7986 | 1.7829 | 1.7237 | 1.5403 | 0.9345 | 0.4796 | | |
| | 1.2822 | 1.2956 | 1.3515 | 1.5467 | 2.2391 | 4.0746 | | |
| 15 | 0.8824 | 0.7899 | 0.8203 | 0.6859 | F-SUB-Q | | | |
| | 2.3820 | 2.6765 | 2.5637 | 3.1243 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6376 | 1.5586 | 1.5649 | 1.5845 | 1.8304 | 1.7674 | 1.8469 | 0.8908 |
| | 1.5609 | 1.6823 | 1.6103 | 1.5526 | 1.3275 | 1.3629 | 1.3009 | 2.4562 |
| 9 | 1.5586 | 1.7877 | 1.7950 | 1.7803 | 1.6542 | 1.7526 | 1.8322 | 0.8804 |
| | 1.6823 | 1.4448 | 1.3983 | 1.3821 | 1.4751 | 1.3789 | 1.3151 | 2.4853 |
| 10 | 1.5649 | 1.7952 | 1.5420 | 1.4935 | 1.6689 | 1.6731 | 1.7689 | 0.7398 |
| | 1.6103 | 1.3981 | 1.6377 | 1.6788 | 1.4851 | 1.4718 | 1.3823 | 3.0223 |
| 11 | 1.5845 | 1.7807 | 1.4949 | 1.6838 | 1.3746 | 1.5156 | 1.5876 | 0.6782 |
| | 1.5526 | 1.3816 | 1.6772 | 1.5197 | 1.8218 | 1.6583 | 1.5924 | 3.3379 |
| 12 | 1.8304 | 1.6555 | 1.6727 | 1.3765 | 1.4561 | 1.5680 | 0.9721 | |
| | 1.3275 | 1.4738 | 1.4815 | 1.8206 | 1.5928 | 1.4961 | 2.3187 | |
| 13 | 1.7674 | 1.7542 | 1.6813 | 1.5212 | 1.5720 | 1.0611 | 0.5065 | |
| | 1.3629 | 1.3775 | 1.4642 | 1.6543 | 1.4930 | 2.0019 | 4.2339 | |
| 14 | 1.8469 | 1.8324 | 1.7815 | 1.6052 | 0.9794 | 0.5081 | | |
| | 1.3009 | 1.3149 | 1.3726 | 1.5735 | 2.3025 | 4.2224 | | |
| 15 | 0.8908 | 0.7959 | 0.8308 | 0.6984 | F-SUB-Q | | | |
| | 2.4562 | 2.7676 | 2.6504 | 3.2402 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7097 | 1.5955 | 1.5863 | 1.6005 | 1.8538 | 1.7893 | 1.8748 | 0.8961 |
| | 1.6086 | 1.7414 | 1.6905 | 1.6274 | 1.3832 | 1.4168 | 1.3480 | 2.5664 |
| 9 | 1.5955 | 1.8249 | 1.8222 | 1.8061 | 1.6714 | 1.7758 | 1.8610 | 0.8862 |
| | 1.7414 | 1.5113 | 1.4641 | 1.4433 | 1.5426 | 1.4338 | 1.3631 | 2.5964 |
| 10 | 1.5863 | 1.8226 | 1.5618 | 1.5124 | 1.6972 | 1.7029 | 1.8057 | 0.7466 |
| | 1.6905 | 1.4638 | 1.7207 | 1.7630 | 1.5486 | 1.5315 | 1.4329 | 3.1616 |
| 11 | 1.6005 | 1.8065 | 1.5139 | 1.7197 | 1.4176 | 1.5642 | 1.6316 | 0.6884 |
| | 1.6274 | 1.4428 | 1.7612 | 1.5804 | 1.8726 | 1.6971 | 1.6351 | 3.4948 |
| 12 | 1.8538 | 1.6728 | 1.7012 | 1.4195 | 1.5627 | 1.6727 | 1.0077 | |
| | 1.3832 | 1.5413 | 1.5447 | 1.8713 | 1.6366 | 1.5321 | 2.3792 | |
| 13 | 1.7893 | 1.7776 | 1.7117 | 1.5701 | 1.6768 | 1.1332 | 0.5288 | |
| | 1.4168 | 1.4323 | 1.5233 | 1.6928 | 1.5286 | 2.0690 | 4.3871 | |
| 14 | 1.8748 | 1.8614 | 1.8189 | 1.6499 | 1.0151 | 0.5304 | | |
| | 1.3480 | 1.3628 | 1.4222 | 1.6176 | 2.3625 | 4.3748 | | |
| 15 | 0.8961 | 0.8012 | 0.8395 | 0.7089 | F-SUB-Q | | | |
| | 2.5664 | 2.8914 | 2.7690 | 3.3915 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7503 | 1.6191 | 1.6056 | 1.6140 | 1.8764 | 1.8094 | 1.9018 | 0.8980 |
| | 1.6770 | 1.8091 | 1.7895 | 1.7200 | 1.4522 | 1.4855 | 1.4083 | 2.7114 |
| 9 | 1.6191 | 1.8558 | 1.8454 | 1.8300 | 1.6866 | 1.7967 | 1.8887 | 0.8881 |
| | 1.8091 | 1.5708 | 1.5454 | 1.5181 | 1.6262 | 1.5036 | 1.4241 | 2.7466 |
| 10 | 1.6056 | 1.8459 | 1.5778 | 1.5276 | 1.7237 | 1.7287 | 1.8390 | 0.7485 |
| | 1.7895 | 1.5451 | 1.8224 | 1.8666 | 1.6255 | 1.6065 | 1.4971 | 3.3488 |
| 11 | 1.6140 | 1.8306 | 1.5293 | 1.7525 | 1.4466 | 1.6026 | 1.6689 | 0.6936 |
| | 1.7200 | 1.5175 | 1.8645 | 1.6397 | 1.9508 | 1.7556 | 1.6810 | 3.6767 |
| 12 | 1.8764 | 1.6881 | 1.7280 | 1.4485 | 1.6210 | 1.7376 | 1.0270 | |
| | 1.4522 | 1.6248 | 1.6213 | 1.9495 | 1.7010 | 1.5841 | 2.4863 | |
| 13 | 1.8094 | 1.7988 | 1.7378 | 1.6087 | 1.7418 | 1.1697 | 0.5412 | |
| | 1.4855 | 1.5019 | 1.5977 | 1.7511 | 1.5805 | 2.1613 | 4.5951 | |
| 14 | 1.9018 | 1.8893 | 1.8529 | 1.6879 | 1.0346 | 0.5428 | | |
| | 1.4083 | 1.4237 | 1.4854 | 1.6622 | 2.4687 | 4.5821 | | |
| 15 | 0.8980 | 0.8002 | 0.8435 | 0.7143 | F-SUB-Q | | | |
| | 2.7114 | 3.0666 | 2.9265 | 3.5724 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7349 | 1.6075 | 1.5930 | 1.5988 | 1.8568 | 1.7950 | 1.8827 | 0.8995 |
| | 1.7817 | 1.9205 | 1.9335 | 1.8594 | 1.5676 | 1.5961 | 1.5157 | 2.8807 |
| 9 | 1.6075 | 1.8399 | 1.8301 | 1.8114 | 1.6710 | 1.7829 | 1.8703 | 0.8921 |
| | 1.9205 | 1.6718 | 1.6716 | 1.6456 | 1.7535 | 1.6160 | 1.5328 | 2.9073 |
| 10 | 1.5930 | 1.8307 | 1.5641 | 1.5162 | 1.7054 | 1.7193 | 1.8272 | 0.7584 |
| | 1.9335 | 1.6712 | 1.9610 | 2.0108 | 1.7577 | 1.7263 | 1.6089 | 3.5237 |
| 11 | 1.5988 | 1.8121 | 1.5179 | 1.7370 | 1.4423 | 1.5935 | 1.6622 | 0.7022 |
| | 1.8594 | 1.6449 | 2.0086 | 1.7361 | 2.0768 | 1.8712 | 1.7731 | 3.8159 |
| 12 | 1.8568 | 1.6725 | 1.7097 | 1.4441 | 1.6275 | 1.7425 | 1.0459 | |
| | 1.5676 | 1.7521 | 1.7530 | 2.0752 | 1.8136 | 1.6892 | 2.5947 | |
| 13 | 1.7950 | 1.7852 | 1.7286 | 1.5996 | 1.7468 | 1.1913 | 0.5518 | |
| | 1.5961 | 1.6140 | 1.7166 | 1.8635 | 1.6852 | 2.2747 | 4.8190 | |
| 14 | 1.8827 | 1.8711 | 1.8415 | 1.6813 | 1.0536 | 0.5534 | | |
| | 1.5157 | 1.5322 | 1.5961 | 1.7521 | 2.5757 | 4.8051 | | |
| 15 | 0.8995 | 0.8112 | 0.8512 | 0.7235 | F-SUB-Q | | | |
| | 2.8807 | 3.2201 | 3.0920 | 3.7065 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7608 | 1.6189 | 1.6041 | 1.6091 | 1.8804 | 1.8147 | 1.9138 | 0.8926 |
| | 1.8590 | 2.0212 | 2.0358 | 1.9833 | 1.6584 | 1.6886 | 1.5939 | 3.0980 |
| 9 | 1.6189 | 1.8633 | 1.8486 | 1.8338 | 1.6838 | 1.8031 | 1.9016 | 0.8842 |
| | 2.0212 | 1.7494 | 1.7548 | 1.7407 | 1.8664 | 1.7092 | 1.6116 | 3.1343 |
| 10 | 1.6041 | 1.8493 | 1.5741 | 1.5248 | 1.7320 | 1.7410 | 1.8600 | 0.7472 |
| | 2.0358 | 1.7543 | 2.0651 | 2.1172 | 1.8304 | 1.8010 | 1.6762 | 3.8185 |
| 11 | 1.6091 | 1.8345 | 1.5266 | 1.7641 | 1.4585 | 1.6230 | 1.6941 | 0.6948 |
| | 1.9833 | 1.7400 | 2.1147 | 1.8079 | 2.1675 | 1.9370 | 1.8352 | 4.0688 |
| 12 | 1.8804 | 1.6854 | 1.7365 | 1.4596 | 1.6560 | 1.7811 | 1.0407 | |
| | 1.6584 | 1.8646 | 1.8258 | 2.1659 | 1.8866 | 1.7480 | 2.7474 | |
| 13 | 1.8147 | 1.8056 | 1.7508 | 1.6294 | 1.7855 | 1.1928 | 0.5476 | |
| | 1.6886 | 1.7069 | 1.7901 | 1.9303 | 1.7438 | 2.4104 | 5.1335 | |
| 14 | 1.9138 | 1.9026 | 1.8749 | 1.7139 | 1.0484 | 0.5493 | | |
| | 1.5939 | 1.6109 | 1.6629 | 1.8132 | 2.7272 | 5.1183 | | |
| 15 | 0.8926 | 0.7983 | 0.8434 | 0.7158 | F-SUB-Q | | | |
| | 3.0980 | 3.4922 | 3.3318 | 3.9524 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7528 | 1.6078 | 1.5936 | 1.5987 | 1.8735 | 1.8087 | 1.9107 | 0.8859 |
| | 1.8619 | 2.0242 | 2.0392 | 2.0245 | 1.7286 | 1.7931 | 1.6966 | 3.3343 |
| 9 | 1.6078 | 1.8549 | 1.8397 | 1.8257 | 1.6741 | 1.7973 | 1.8987 | 0.8781 |
| | 2.0242 | 1.7535 | 1.7664 | 1.7772 | 1.9358 | 1.8063 | 1.7090 | 3.3695 |
| 10 | 1.5936 | 1.8404 | 1.5631 | 1.5148 | 1.7262 | 1.7370 | 1.8598 | 0.7430 |
| | 2.0392 | 1.7657 | 2.0785 | 2.1441 | 1.8837 | 1.8754 | 1.7510 | 4.0475 |
| 11 | 1.5987 | 1.8265 | 1.5166 | 1.7578 | 1.4530 | 1.6206 | 1.6949 | 0.6908 |
| | 2.0245 | 1.7764 | 2.1415 | 1.8545 | 2.2574 | 2.0181 | 1.9280 | 4.3119 |
| 12 | 1.8735 | 1.6758 | 1.7309 | 1.4541 | 1.6558 | 1.7841 | 1.0382 | |
| | 1.7286 | 1.9339 | 1.8787 | 2.2541 | 1.9960 | 1.8472 | 2.9133 | |
| 13 | 1.8087 | 1.8000 | 1.7473 | 1.6272 | 1.7886 | 1.1906 | 0.5446 | |
| | 1.7931 | 1.8037 | 1.8648 | 2.0100 | 1.8427 | 2.5545 | 5.4532 | |
| 14 | 1.9107 | 1.9000 | 1.8754 | 1.7150 | 1.0460 | 0.5463 | | |
| | 1.6966 | 1.7079 | 1.7369 | 1.9055 | 2.8919 | 5.4373 | | |
| 15 | 0.8859 | 0.7937 | 0.8389 | 0.7119 | F-SUB-Q | | | |
| | 3.3343 | 3.7519 | 3.5320 | 4.1876 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7157 | 1.5776 | 1.5642 | 1.5697 | 1.8392 | 1.7803 | 1.8781 | 0.8783 |
| | 1.8672 | 2.0245 | 2.0383 | 2.0219 | 1.7262 | 1.7855 | 1.6917 | 3.3037 |
| 9 | 1.5776 | 1.8190 | 1.8068 | 1.7906 | 1.6443 | 1.7690 | 1.8664 | 0.8720 |
| | 2.0245 | 1.7553 | 1.7650 | 1.7786 | 1.9327 | 1.8005 | 1.7052 | 3.3296 |
| 10 | 1.5642 | 1.8075 | 1.5338 | 1.4880 | 1.6924 | 1.7107 | 1.8311 | 0.7429 |
| | 2.0383 | 1.7642 | 2.0784 | 2.1422 | 1.8870 | 1.8710 | 1.7477 | 3.9746 |
| 11 | 1.5697 | 1.7915 | 1.4898 | 1.7251 | 1.4291 | 1.5910 | 1.6688 | 0.6894 |
| | 2.0219 | 1.7780 | 2.1395 | 1.8593 | 2.2585 | 2.0223 | 1.9261 | 4.2458 |
| 12 | 1.8392 | 1.6460 | 1.6972 | 1.4302 | 1.6318 | 1.7573 | 1.0362 | |
| | 1.7262 | 1.9310 | 1.8817 | 2.2552 | 2.0001 | 1.8537 | 2.8766 | |
| 13 | 1.7803 | 1.7718 | 1.7216 | 1.5976 | 1.7618 | 1.1850 | 0.5426 | |
| | 1.7855 | 1.7977 | 1.8599 | 2.0140 | 1.8489 | 2.5474 | 5.4648 | |
| 14 | 1.8781 | 1.8678 | 1.8471 | 1.6890 | 1.0441 | 0.5442 | | |
| | 1.6917 | 1.7040 | 1.7331 | 1.9033 | 2.8543 | 5.4474 | | |
| 15 | 0.8783 | 0.7938 | 0.8361 | 0.7107 | F-SUB-Q | | | |
| | 3.3037 | 3.6819 | 3.4800 | 4.1217 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7185 | 1.5691 | 1.5565 | 1.5625 | 1.8421 | 1.7813 | 1.8893 | 0.8629 |
| | 1.7973 | 1.9595 | 1.9713 | 1.9561 | 1.6651 | 1.7232 | 1.6227 | 3.2187 |
| 9 | 1.5691 | 1.8192 | 1.8039 | 1.7914 | 1.6390 | 1.7702 | 1.8777 | 0.8562 |
| | 1.9595 | 1.6928 | 1.7070 | 1.7106 | 1.8723 | 1.7420 | 1.6389 | 3.2457 |
| 10 | 1.5565 | 1.8047 | 1.5255 | 1.4788 | 1.6982 | 1.7129 | 1.8426 | 0.7246 |
| | 1.9713 | 1.7062 | 2.0089 | 2.0681 | 1.8121 | 1.8086 | 1.6804 | 3.8779 |
| 11 | 1.5625 | 1.7923 | 1.4808 | 1.7266 | 1.4240 | 1.5981 | 1.6791 | 0.6740 |
| | 1.9561 | 1.7099 | 2.0656 | 1.7829 | 2.1799 | 1.9378 | 1.8453 | 4.1243 |
| 12 | 1.8421 | 1.6407 | 1.7032 | 1.4252 | 1.6341 | 1.7676 | 1.0160 | |
| | 1.6651 | 1.8705 | 1.8073 | 2.1768 | 1.9338 | 1.7798 | 2.8027 | |
| 13 | 1.7813 | 1.7732 | 1.7244 | 1.6048 | 1.7722 | 1.1672 | 0.5298 | |
| | 1.7232 | 1.7392 | 1.7976 | 1.9302 | 1.7753 | 2.4808 | 5.2985 | |
| 14 | 1.8893 | 1.8794 | 1.8595 | 1.6998 | 1.0239 | 0.5314 | | |
| | 1.6227 | 1.6376 | 1.6669 | 1.8242 | 2.7817 | 5.2823 | | |
| 15 | 0.8629 | 0.7733 | 0.8199 | 0.6949 | F-SUB-Q | | | |
| | 3.2187 | 3.6133 | 3.3794 | 4.0070 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6986 | 1.5465 | 1.5347 | 1.5415 | 1.8231 | 1.7640 | 1.8757 | 0.8481 |
| | 1.6544 | 1.8099 | 1.8213 | 1.8100 | 1.5394 | 1.5978 | 1.5002 | 2.9923 |
| 9 | 1.5465 | 1.7980 | 1.7822 | 1.7717 | 1.6179 | 1.7529 | 1.8643 | 0.8419 |
| | 1.8099 | 1.5597 | 1.5751 | 1.5781 | 1.7332 | 1.6115 | 1.5128 | 3.0180 |
| 10 | 1.5347 | 1.7831 | 1.5036 | 1.4576 | 1.6812 | 1.6973 | 1.8307 | 0.7112 |
| | 1.8213 | 1.5743 | 1.8576 | 1.9129 | 1.6711 | 1.6665 | 1.5444 | 3.6139 |
| 11 | 1.5415 | 1.7724 | 1.4596 | 1.7077 | 1.4057 | 1.5843 | 1.6680 | 0.6622 |
| | 1.8100 | 1.5774 | 1.9104 | 1.6416 | 2.0097 | 1.7807 | 1.6934 | 3.8336 |
| 12 | 1.8231 | 1.6197 | 1.6862 | 1.4069 | 1.6185 | 1.7550 | 0.9997 | |
| | 1.5394 | 1.7315 | 1.6666 | 2.0067 | 1.7791 | 1.6337 | 2.5947 | |
| 13 | 1.7640 | 1.7561 | 1.7090 | 1.5904 | 1.7597 | 1.1500 | 0.5192 | |
| | 1.5978 | 1.6088 | 1.6559 | 1.7735 | 1.6295 | 2.2955 | 4.9285 | |
| 14 | 1.8757 | 1.8661 | 1.8482 | 1.6889 | 1.0075 | 0.5208 | | |
| | 1.5002 | 1.5116 | 1.5317 | 1.6737 | 2.5750 | 4.9132 | | |
| 15 | 0.8481 | 0.7579 | 0.8065 | 0.6829 | F-SUB-Q | | | |
| | 2.9923 | 3.3670 | 3.1430 | 3.7237 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6678 | 1.5169 | 1.5060 | 1.5129 | 1.7933 | 1.7363 | 1.8482 | 0.8340 |
| | 1.5479 | 1.6959 | 1.7065 | 1.6922 | 1.4358 | 1.4908 | 1.3986 | 2.7994 |
| 9 | 1.5169 | 1.7667 | 1.7513 | 1.7412 | 1.5889 | 1.7253 | 1.8370 | 0.8282 |
| | 1.6959 | 1.4587 | 1.4739 | 1.4747 | 1.6196 | 1.5026 | 1.4094 | 2.8194 |
| 10 | 1.5060 | 1.7523 | 1.4748 | 1.4303 | 1.6529 | 1.6713 | 1.8053 | 0.7013 |
| | 1.7065 | 1.4732 | 1.7417 | 1.7930 | 1.5648 | 1.5578 | 1.4417 | 3.3772 |
| 11 | 1.5129 | 1.7419 | 1.4324 | 1.6793 | 1.3806 | 1.5597 | 1.6442 | 0.6521 |
| | 1.6922 | 1.4741 | 1.7905 | 1.5354 | 1.8802 | 1.6636 | 1.5797 | 3.5862 |
| 12 | 1.7933 | 1.5907 | 1.6579 | 1.3817 | 1.5945 | 1.7297 | 0.9860 | |
| | 1.4358 | 1.6180 | 1.5604 | 1.8774 | 1.6562 | 1.5189 | 2.4158 | |
| 13 | 1.7363 | 1.7286 | 1.6832 | 1.5667 | 1.7344 | 1.1329 | 0.5106 | |
| | 1.4908 | 1.5000 | 1.5476 | 1.6571 | 1.5149 | 2.1347 | 4.5988 | |
| 14 | 1.8482 | 1.8389 | 1.8230 | 1.6654 | 0.9938 | 0.5123 | | |
| | 1.3986 | 1.4081 | 1.4290 | 1.5610 | 2.3972 | 4.5844 | | |
| 15 | 0.8340 | 0.7493 | 0.7949 | 0.6727 | F-SUB-Q | | | |
| | 2.7994 | 3.1320 | 2.9381 | 3.4824 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6217 | 1.4785 | 1.4683 | 1.4756 | 1.7484 | 1.6962 | 1.8027 | 0.8208 |
| | 1.5906 | 1.7380 | 1.7458 | 1.7309 | 1.4707 | 1.5249 | 1.4329 | 2.8475 |
| 9 | 1.4785 | 1.7208 | 1.7081 | 1.6960 | 1.5497 | 1.6851 | 1.7918 | 0.8158 |
| | 1.7380 | 1.4959 | 1.5058 | 1.5118 | 1.6569 | 1.5360 | 1.4432 | 2.8614 |
| 10 | 1.4683 | 1.7090 | 1.4374 | 1.3956 | 1.6087 | 1.6330 | 1.7629 | 0.6954 |
| | 1.7458 | 1.5050 | 1.7820 | 1.8332 | 1.6054 | 1.5928 | 1.4740 | 3.4000 |
| 11 | 1.4756 | 1.6969 | 1.3976 | 1.6367 | 1.3471 | 1.5201 | 1.6052 | 0.6453 |
| | 1.7309 | 1.5111 | 1.8307 | 1.5790 | 1.9283 | 1.7101 | 1.6202 | 3.6321 |
| 12 | 1.7484 | 1.5515 | 1.6137 | 1.3482 | 1.5585 | 1.6883 | 0.9757 | |
| | 1.4707 | 1.6556 | 1.6007 | 1.9256 | 1.6919 | 1.5528 | 2.4423 | |
| 13 | 1.6962 | 1.6885 | 1.6448 | 1.5287 | 1.6930 | 1.1174 | 0.5040 | |
| | 1.5249 | 1.5332 | 1.5821 | 1.7028 | 1.5487 | 2.1598 | 4.6616 | |
| 14 | 1.8027 | 1.7939 | 1.7806 | 1.6264 | 0.9835 | 0.5056 | | |
| | 1.4329 | 1.4417 | 1.4610 | 1.6006 | 2.4234 | 4.6468 | | |
| 15 | 0.8208 | 0.7436 | 0.7857 | 0.6659 | F-SUB-Q | | | |
| | 2.8475 | 3.1585 | 2.9670 | 3.5256 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6170 | 1.4631 | 1.4537 | 1.4612 | 1.7419 | 1.6864 | 1.8028 | 0.7999 |
| | 1.4794 | 1.6307 | 1.6392 | 1.6296 | 1.3769 | 1.4311 | 1.3371 | 2.7309 |
| 9 | 1.4631 | 1.7129 | 1.6968 | 1.6908 | 1.5361 | 1.6756 | 1.7919 | 0.7949 |
| | 1.6307 | 1.3956 | 1.4103 | 1.4117 | 1.5592 | 1.4405 | 1.3460 | 2.7446 |
| 10 | 1.4537 | 1.6978 | 1.4226 | 1.3798 | 1.6059 | 1.6245 | 1.7624 | 0.6715 |
| | 1.6392 | 1.4095 | 1.6750 | 1.7251 | 1.4969 | 1.4892 | 1.3715 | 3.2837 |
| 11 | 1.4612 | 1.6917 | 1.3819 | 1.6298 | 1.3343 | 1.5192 | 1.6039 | 0.6248 |
| | 1.6296 | 1.4110 | 1.7226 | 1.4708 | 1.8116 | 1.5940 | 1.5078 | 3.4892 |
| 12 | 1.7419 | 1.5379 | 1.6110 | 1.3354 | 1.5519 | 1.6870 | 0.9471 | |
| | 1.3769 | 1.5575 | 1.4925 | 1.8094 | 1.5785 | 1.4468 | 2.3476 | |
| 13 | 1.6864 | 1.6791 | 1.6364 | 1.5284 | 1.6917 | 1.0910 | 0.4876 | |
| | 1.4311 | 1.4378 | 1.4790 | 1.5843 | 1.4429 | 2.0605 | 4.4988 | |
| 14 | 1.8028 | 1.7943 | 1.7806 | 1.6256 | 0.9547 | 0.4892 | | |
| | 1.3371 | 1.3446 | 1.3590 | 1.4892 | 2.3290 | 4.4845 | | |
| 15 | 0.7999 | 0.7161 | 0.7635 | 0.6448 | F-SUB-Q | | | |
| | 2.7309 | 3.0650 | 2.8478 | 3.3867 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5848 | 1.4330 | 1.4243 | 1.4316 | 1.7091 | 1.6557 | 1.7708 | 0.7817 |
| | 1.4155 | 1.5643 | 1.5730 | 1.5663 | 1.3214 | 1.3726 | 1.2819 | 2.6367 |
| 9 | 1.4330 | 1.6792 | 1.6648 | 1.6586 | 1.5059 | 1.6451 | 1.7602 | 0.7770 |
| | 1.5643 | 1.3374 | 1.3516 | 1.3548 | 1.4974 | 1.3811 | 1.2901 | 2.6481 |
| 10 | 1.4243 | 1.6659 | 1.3939 | 1.3517 | 1.5760 | 1.5952 | 1.7314 | 0.6561 |
| | 1.5730 | 1.3507 | 1.6078 | 1.6561 | 1.4345 | 1.4252 | 1.3120 | 3.1664 |
| 11 | 1.4316 | 1.6594 | 1.3538 | 1.5991 | 1.3081 | 1.4917 | 1.5746 | 0.6104 |
| | 1.5663 | 1.3541 | 1.6537 | 1.4071 | 1.7281 | 1.5227 | 1.4408 | 3.3586 |
| 12 | 1.7091 | 1.5076 | 1.5811 | 1.3093 | 1.5252 | 1.6574 | 0.9264 | |
| | 1.3214 | 1.4958 | 1.4302 | 1.7267 | 1.4983 | 1.3759 | 2.2474 | |
| 13 | 1.6557 | 1.6486 | 1.6071 | 1.5006 | 1.6621 | 1.0688 | 0.4762 | |
| | 1.3726 | 1.3785 | 1.4153 | 1.5137 | 1.3722 | 1.9662 | 4.3144 | |
| 14 | 1.7708 | 1.7627 | 1.7495 | 1.5961 | 0.9339 | 0.4778 | | |
| | 1.2819 | 1.2884 | 1.2992 | 1.4223 | 2.2296 | 4.3006 | | |
| 15 | 0.7817 | 0.6997 | 0.7467 | 0.6300 | F-SUB-Q | | | |
| | 2.6367 | 2.9593 | 2.7435 | 3.2592 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5199 | 1.3852 | 1.3773 | 1.3840 | 1.6439 | 1.6002 | 1.6999 | 0.7658 |
| | 1.4011 | 1.5370 | 1.5457 | 1.5405 | 1.3059 | 1.3498 | 1.2693 | 2.5638 |
| 9 | 1.3852 | 1.6135 | 1.6079 | 1.5928 | 1.4567 | 1.5900 | 1.6898 | 0.7616 |
| | 1.5370 | 1.3218 | 1.3294 | 1.3400 | 1.4715 | 1.3579 | 1.2770 | 2.5735 |
| 10 | 1.3773 | 1.6090 | 1.3485 | 1.3091 | 1.5146 | 1.5418 | 1.6634 | 0.6490 |
| | 1.5457 | 1.3286 | 1.5794 | 1.6252 | 1.4181 | 1.3997 | 1.2962 | 3.0465 |
| 11 | 1.3840 | 1.5937 | 1.3111 | 1.5400 | 1.2674 | 1.4328 | 1.5113 | 0.6019 |
| | 1.5405 | 1.3393 | 1.6228 | 1.3895 | 1.6895 | 1.5013 | 1.4235 | 3.2375 |
| 12 | 1.6439 | 1.4585 | 1.5195 | 1.2685 | 1.4745 | 1.5937 | 0.9132 | |
| | 1.3059 | 1.4699 | 1.4139 | 1.6881 | 1.4633 | 1.3521 | 2.1602 | |
| 13 | 1.6002 | 1.5933 | 1.5533 | 1.4403 | 1.5983 | 1.0496 | 0.4702 | |
| | 1.3498 | 1.3552 | 1.3899 | 1.4956 | 1.3484 | 1.8922 | 4.1393 | |
| 14 | 1.6999 | 1.6922 | 1.6807 | 1.5319 | 0.9206 | 0.4717 | | |
| | 1.2693 | 1.2753 | 1.2832 | 1.4049 | 2.1430 | 4.1261 | | |
| 15 | 0.7658 | 0.6941 | 0.7351 | 0.6215 | F-SUB-Q | | | |
| | 2.5638 | 2.8413 | 2.6519 | 3.1403 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4906 | 1.3570 | 1.3478 | 1.3569 | 1.6063 | 1.5680 | 1.6620 | 0.7403 |
| | 1.3702 | 1.5051 | 1.5156 | 1.5080 | 1.2823 | 1.3212 | 1.2454 | 2.5491 |
| 9 | 1.3570 | 1.5731 | 1.5747 | 1.5605 | 1.4300 | 1.5587 | 1.6523 | 0.7356 |
| | 1.5051 | 1.3004 | 1.3019 | 1.3134 | 1.4382 | 1.3282 | 1.2525 | 2.5594 |
| 10 | 1.3478 | 1.5758 | 1.3204 | 1.2827 | 1.4889 | 1.5137 | 1.6257 | 0.6210 |
| | 1.5156 | 1.3010 | 1.5479 | 1.5921 | 1.3836 | 1.3662 | 1.2709 | 3.0591 |
| 11 | 1.3569 | 1.5614 | 1.2848 | 1.5093 | 1.2470 | 1.4064 | 1.4774 | 0.5774 |
| | 1.5080 | 1.3128 | 1.5897 | 1.3564 | 1.6445 | 1.4641 | 1.3950 | 3.2405 |
| 12 | 1.6063 | 1.4316 | 1.4936 | 1.2481 | 1.4470 | 1.5604 | 0.8786 | |
| | 1.2823 | 1.4367 | 1.3795 | 1.6431 | 1.4256 | 1.3206 | 2.1513 | |
| 13 | 1.5680 | 1.5619 | 1.5249 | 1.4116 | 1.5649 | 1.0134 | 0.4519 | |
| | 1.3212 | 1.3257 | 1.3567 | 1.4578 | 1.3170 | 1.8753 | 4.1294 | |
| 14 | 1.6620 | 1.6545 | 1.6430 | 1.4972 | 0.8856 | 0.4534 | | |
| | 1.2454 | 1.2509 | 1.2577 | 1.3768 | 2.1343 | 4.1164 | | |
| 15 | 0.7403 | 0.6636 | 0.7077 | 0.5961 | F-SUB-Q | | | |
| | 2.5491 | 2.8567 | 2.6460 | 3.1437 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4205 | 1.2959 | 1.2668 | 1.2964 | 1.5208 | 1.4766 | 1.5560 | 0.7127 |
| | 1.3390 | 1.5241 | 1.5615 | 1.5279 | 1.3047 | 1.3573 | 1.2870 | 2.5678 |
| 9 | 1.2959 | 1.4867 | 1.4804 | 1.4791 | 1.3644 | 1.4674 | 1.5466 | 0.7084 |
| | 1.5241 | 1.3312 | 1.3400 | 1.3245 | 1.4549 | 1.3647 | 1.2945 | 2.5774 |
| 10 | 1.2668 | 1.4815 | 1.2392 | 1.2263 | 1.4090 | 1.4313 | 1.5254 | 0.5938 |
| | 1.5615 | 1.3391 | 1.5971 | 1.6141 | 1.3722 | 1.3974 | 1.3094 | 3.1023 |
| 11 | 1.2964 | 1.4799 | 1.2284 | 1.4438 | 1.1972 | 1.3473 | 1.4008 | 0.5512 |
| | 1.5279 | 1.3236 | 1.6116 | 1.3593 | 1.6554 | 1.4282 | 1.4220 | 3.2917 |
| 12 | 1.5208 | 1.3654 | 1.4134 | 1.1991 | 1.3697 | 1.4685 | 0.8480 | |
| | 1.3047 | 1.4538 | 1.3696 | 1.6528 | 1.4549 | 1.3560 | 2.1573 | |
| 13 | 1.4766 | 1.4703 | 1.4417 | 1.3534 | 1.4727 | 0.9580 | 0.4279 | |
| | 1.3573 | 1.3623 | 1.3878 | 1.4207 | 1.3523 | 1.9195 | 4.2284 | |
| 14 | 1.5560 | 1.5485 | 1.5420 | 1.4184 | 0.8547 | 0.4293 | | |
| | 1.2870 | 1.2931 | 1.2959 | 1.4049 | 2.1405 | 4.2151 | | |
| 15 | 0.7127 | 0.6372 | 0.6787 | 0.5685 | F-SUB-Q | | | |
| | 2.5678 | 2.8858 | 2.6756 | 3.1961 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4373 | 1.1190 | 1.0423 | 1.1102 | 1.4850 | 1.2247 | 1.4219 | 0.6211 |
| | 1.3390 | 1.7207 | 1.8514 | 1.7399 | 1.3047 | 1.5948 | 1.3716 | 2.8812 |
| 9 | 1.1190 | 1.4451 | 1.2429 | 1.4590 | 1.1780 | 1.2162 | 1.4125 | 0.6215 |
| | 1.7207 | 1.3340 | 1.5556 | 1.3245 | 1.6433 | 1.6055 | 1.3805 | 2.8727 |
| 10 | 1.0423 | 1.2438 | 1.0157 | 1.0640 | 1.4101 | 1.1941 | 1.3713 | 0.5168 |
| | 1.8514 | 1.5545 | 1.9014 | 1.8138 | 1.3722 | 1.6325 | 1.4201 | 3.4867 |
| 11 | 1.1102 | 1.4600 | 1.0657 | 1.4223 | 1.0436 | 1.3580 | 1.2576 | 0.4775 |
| | 1.7399 | 1.3236 | 1.8111 | 1.3593 | 1.8519 | 1.4282 | 1.5442 | 3.7170 |
| 12 | 1.4850 | 1.1788 | 1.4142 | 1.0465 | 1.1495 | 1.3075 | 0.7565 | |
| | 1.3047 | 1.6422 | 1.3696 | 1.8485 | 1.6900 | 1.4844 | 2.3619 | |
| 13 | 1.2247 | 1.2184 | 1.2025 | 1.3654 | 1.3119 | 0.8119 | 0.3612 | |
| | 1.5948 | 1.6027 | 1.6216 | 1.4207 | 1.4796 | 2.2118 | 4.9030 | |
| 14 | 1.4219 | 1.4137 | 1.3852 | 1.2726 | 0.7623 | 0.3624 | | |
| | 1.3716 | 1.3795 | 1.4063 | 1.5266 | 2.3440 | 4.8875 | | |
| 15 | 0.6211 | 0.5579 | 0.5910 | 0.4910 | F-SUB-Q | | | |
| | 2.8812 | 3.2232 | 3.0045 | 3.6199 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5686 | 0.4839 | 0.4511 | 0.4883 | 0.5782 | 0.4864 | 0.5123 | 0.2617 |
| | 3.3124 | 3.8980 | 4.1912 | 3.8784 | 3.2784 | 3.9126 | 3.7272 | 6.7130 |
| 9 | 0.4839 | 0.5610 | 0.4918 | 0.5642 | 0.5030 | 0.4756 | 0.5086 | 0.2613 |
| | 3.8980 | 3.3631 | 3.8469 | 3.3526 | 3.7705 | 4.0142 | 3.7535 | 6.7109 |
| 10 | 0.4511 | 0.4921 | 0.4399 | 0.4714 | 0.5538 | 0.4738 | 0.4910 | 0.2361 |
| | 4.1912 | 3.8443 | 4.3007 | 4.0163 | 3.4207 | 4.0123 | 3.8830 | 7.4920 |
| 11 | 0.4883 | 0.5646 | 0.4721 | 0.5374 | 0.4629 | 0.5246 | 0.4538 | 0.2063 |
| | 3.8784 | 3.3501 | 4.0101 | 3.5207 | 4.0945 | 3.6215 | 4.1933 | 8.4504 |
| 12 | 0.5782 | 0.5033 | 0.5552 | 0.4638 | 0.4482 | 0.4721 | 0.3163 | |
| | 3.2784 | 3.7679 | 3.4121 | 4.0870 | 4.2424 | 4.0272 | 5.5400 | |
| 13 | 0.4864 | 0.4764 | 0.4761 | 0.5274 | 0.4738 | 0.3300 | 0.1594 | |
| | 3.9126 | 4.0071 | 3.9939 | 3.6027 | 4.0133 | 5.3324 | *10.9189 | |
| 14 | 0.5123 | 0.5091 | 0.4958 | 0.4590 | 0.3187 | 0.1599 | | |
| | 3.7272 | 3.7500 | 3.8473 | 4.1470 | 5.4980 | *10.8836 | | |
| 15 | 0.2617 | 0.2505 | 0.2495 | 0.2126 | F-SUB-Q | | | |
| | 6.7130 | 7.0478 | 6.9875 | 8.2117 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3658 | 0.4037 | 0.4277 | 0.4737 | 0.5509 | 0.4744 | 0.4811 | 0.2626 |
| | 4.0011 | 4.6515 | 4.6294 | 4.1488 | 3.5669 | 4.1597 | 4.1582 | 6.9294 |
| 9 | 0.4037 | 0.4871 | 0.4594 | 0.5344 | 0.4891 | 0.4641 | 0.4755 | 0.2618 |
| | 4.6515 | 4.1248 | 4.3270 | 3.6838 | 4.0155 | 4.2456 | 4.2069 | 6.9385 |
| 10 | 0.4277 | 0.4596 | 0.4180 | 0.4477 | 0.5127 | 0.4440 | 0.4456 | 0.2301 |
| | 4.6294 | 4.3257 | 4.8354 | 4.4100 | 3.8344 | 4.4173 | 4.3959 | 7.8254 |
| 11 | 0.4737 | 0.5346 | 0.4480 | 0.4701 | 0.4103 | 0.4420 | 0.3994 | 0.1981 |
| | 4.1488 | 3.6825 | 4.4062 | 4.2318 | 4.7889 | 4.3550 | 4.8954 | 8.9178 |
| 12 | 0.5509 | 0.4893 | 0.5133 | 0.4107 | 0.3232 | 0.3395 | 0.2589 | |
| | 3.5669 | 4.0140 | 3.8302 | 4.7839 | 4.8616 | 4.7550 | 6.3913 | |
| 13 | 0.4744 | 0.4643 | 0.4450 | 0.4436 | 0.3409 | 0.2186 | 0.1288 | |
| | 4.1597 | 4.2430 | 4.4073 | 4.3429 | 4.7453 | 5.9742 | *11.4186 | |
| 14 | 0.4811 | 0.4749 | 0.4477 | 0.4024 | 0.2606 | 0.1292 | | |
| | 4.1582 | 4.2120 | 4.3751 | 4.8598 | 6.3587 | *11.3938 | | |
| 15 | 0.2626 | 0.2454 | 0.2422 | 0.2028 | F-SUB-Q | | | |
| | 6.9293 | 7.4503 | 7.3289 | 8.7157 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.8820 | 0.9099 | 0.9471 | 1.0392 | 1.3197 | 1.1292 | 1.2392 | 0.6227 |
| | 1.7216 | 2.1321 | 2.1542 | 1.9507 | 1.5363 | 1.8013 | 1.6593 | 3.0057 |
| 9 | 0.9099 | 1.1929 | 1.0996 | 1.2923 | 1.0965 | 1.1051 | 1.2259 | 0.6185 |
| | 2.1321 | 1.7257 | 1.8588 | 1.5709 | 1.8488 | 1.8390 | 1.6632 | 2.9986 |
| 10 | 0.9471 | 1.0998 | 0.9288 | 0.9814 | 1.2343 | 1.0567 | 1.1560 | 0.5119 |
| | 2.1542 | 1.8584 | 2.2254 | 2.0708 | 1.6424 | 1.9172 | 1.7468 | 3.6180 |
| 11 | 1.0392 | 1.2927 | 0.9821 | 1.1745 | 0.8881 | 1.0798 | 1.0219 | 0.4617 |
| | 1.9507 | 1.5704 | 2.0692 | 1.7394 | 2.2310 | 1.8257 | 1.9764 | 3.9493 |
| 12 | 1.3197 | 1.0968 | 1.2355 | 0.8892 | 0.7673 | 0.8705 | 0.6193 | |
| | 1.5363 | 1.8481 | 1.6407 | 2.2288 | 2.0574 | 1.8801 | 2.7406 | |
| 13 | 1.1292 | 1.1055 | 1.0590 | 1.0837 | 0.8739 | 0.5328 | 0.2972 | |
| | 1.8013 | 1.8382 | 1.9129 | 1.8208 | 1.8767 | 2.5081 | 5.0854 | |
| 14 | 1.2392 | 1.2240 | 1.1619 | 1.0294 | 0.6233 | 0.2982 | | |
| | 1.6593 | 1.6655 | 1.7379 | 1.9621 | 2.7269 | 5.0748 | | |
| 15 | 0.6227 | 0.5545 | 0.5724 | 0.4718 | F-SUB-Q | | | |
| | 3.0057 | 3.3762 | 3.1903 | 3.8687 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0123 | 1.1124 | 1.1693 | 1.2559 | 1.4524 | 1.3773 | 1.4121 | 0.7514 |
| | 1.6792 | 1.8276 | 1.7912 | 1.6566 | 1.4303 | 1.5104 | 1.4711 | 2.5122 |
| 9 | 1.1124 | 1.3201 | 1.3370 | 1.4081 | 1.3163 | 1.3561 | 1.3928 | 0.7440 |
| | 1.8276 | 1.5988 | 1.5678 | 1.4787 | 1.5792 | 1.5309 | 1.4901 | 2.5310 |
| 10 | 1.1693 | 1.3372 | 1.1523 | 1.1763 | 1.3082 | 1.2894 | 1.3481 | 0.6243 |
| | 1.7912 | 1.5676 | 1.8230 | 1.7717 | 1.5924 | 1.6091 | 1.5349 | 3.0345 |
| 11 | 1.2559 | 1.4086 | 1.1772 | 1.2839 | 1.0583 | 1.1575 | 1.1973 | 0.5619 |
| | 1.6566 | 1.4782 | 1.7702 | 1.6323 | 1.9120 | 1.7703 | 1.7323 | 3.3352 |
| 12 | 1.4524 | 1.3168 | 1.3093 | 1.0597 | 0.9342 | 1.0112 | 0.7437 | |
| | 1.4303 | 1.5786 | 1.5903 | 1.9103 | 1.7288 | 1.6448 | 2.3439 | |
| 13 | 1.3773 | 1.3562 | 1.2937 | 1.1611 | 1.0147 | 0.6549 | 0.3702 | |
| | 1.5104 | 1.5308 | 1.6036 | 1.7660 | 1.6422 | 2.1085 | 4.2127 | |
| 14 | 1.4121 | 1.3918 | 1.3546 | 1.2073 | 0.7487 | 0.3714 | | |
| | 1.4711 | 1.4911 | 1.5275 | 1.7170 | 2.3315 | 4.2036 | | |
| 15 | 0.7514 | 0.6743 | 0.6928 | 0.5758 | F-SUB-Q | | | |
| | 2.5122 | 2.8112 | 2.6973 | 3.2575 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1627 | 1.2449 | 1.3038 | 1.3908 | 1.6440 | 1.5344 | 1.6076 | 0.8121 |
| | 1.5503 | 1.7105 | 1.6602 | 1.5432 | 1.3005 | 1.3907 | 1.3246 | 2.3818 |
| 9 | 1.2449 | 1.5045 | 1.5007 | 1.5898 | 1.4576 | 1.5205 | 1.5860 | 0.8019 |
| | 1.7105 | 1.4522 | 1.4426 | 1.3512 | 1.4701 | 1.4027 | 1.3432 | 2.4084 |
| 10 | 1.3038 | 1.5008 | 1.2862 | 1.2979 | 1.4733 | 1.4479 | 1.5407 | 0.6738 |
| | 1.6602 | 1.4424 | 1.6861 | 1.6594 | 1.4574 | 1.4778 | 1.3838 | 2.8956 |
| 11 | 1.3908 | 1.5903 | 1.2990 | 1.4521 | 1.1686 | 1.3103 | 1.3649 | 0.6096 |
| | 1.5432 | 1.3507 | 1.6579 | 1.4958 | 1.7893 | 1.6231 | 1.5732 | 3.1812 |
| 12 | 1.6440 | 1.4582 | 1.4756 | 1.1701 | 1.0453 | 1.1630 | 0.8139 | |
| | 1.3005 | 1.4694 | 1.4551 | 1.7883 | 1.5936 | 1.4903 | 2.2319 | |
| 13 | 1.5344 | 1.5207 | 1.4531 | 1.3180 | 1.1672 | 0.7335 | 0.4061 | |
| | 1.3907 | 1.4025 | 1.4724 | 1.6189 | 1.4877 | 1.9816 | 4.0302 | |
| 14 | 1.6076 | 1.5851 | 1.5486 | 1.3774 | 0.8194 | 0.4074 | | |
| | 1.3246 | 1.3439 | 1.3766 | 1.5577 | 2.2195 | 4.0212 | | |
| 15 | 0.8121 | 0.7226 | 0.7493 | 0.6250 | F-SUB-Q | | | |
| | 2.3818 | 2.6901 | 2.5681 | 3.1047 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2719 | 1.3266 | 1.3758 | 1.4663 | 1.7553 | 1.6219 | 1.7187 | 0.8538 |
| | 1.5117 | 1.6894 | 1.6370 | 1.5159 | 1.2601 | 1.3611 | 1.2820 | 2.3452 |
| 9 | 1.3266 | 1.6193 | 1.5912 | 1.6993 | 1.5376 | 1.6086 | 1.6961 | 0.8450 |
| | 1.6894 | 1.4119 | 1.4152 | 1.3101 | 1.4428 | 1.3739 | 1.3007 | 2.3669 |
| 10 | 1.3758 | 1.5913 | 1.3559 | 1.3714 | 1.5717 | 1.5380 | 1.6573 | 0.7137 |
| | 1.6370 | 1.4150 | 1.6677 | 1.6322 | 1.4174 | 1.4427 | 1.3337 | 2.8369 |
| 11 | 1.4663 | 1.6999 | 1.3726 | 1.5615 | 1.2474 | 1.4178 | 1.4783 | 0.6474 |
| | 1.5159 | 1.3096 | 1.6306 | 1.4548 | 1.7664 | 1.5786 | 1.5112 | 3.1108 |
| 12 | 1.7553 | 1.5382 | 1.5743 | 1.2491 | 1.1346 | 1.2880 | 0.8822 | |
| | 1.2601 | 1.4420 | 1.4148 | 1.7654 | 1.5643 | 1.4449 | 2.1835 | |
| 13 | 1.6219 | 1.6090 | 1.5438 | 1.4263 | 1.2927 | 0.8116 | 0.4399 | |
| | 1.3611 | 1.3734 | 1.4369 | 1.5743 | 1.4423 | 1.9476 | 3.9986 | |
| 14 | 1.7187 | 1.6953 | 1.6661 | 1.4931 | 0.8882 | 0.4412 | | |
| | 1.2820 | 1.3013 | 1.3262 | 1.4954 | 2.1710 | 3.9895 | | |
| 15 | 0.8538 | 0.7630 | 0.7921 | 0.6637 | F-SUB-Q | | | |
| | 2.3452 | 2.6388 | 2.5199 | 3.0349 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4234 | 1.3993 | 1.4256 | 1.5160 | 1.8245 | 1.6789 | 1.7886 | 0.8851 |
| | 1.5169 | 1.7055 | 1.6568 | 1.5289 | 1.2596 | 1.3613 | 1.2754 | 2.3437 |
| 9 | 1.3993 | 1.7015 | 1.6524 | 1.7696 | 1.5911 | 1.6662 | 1.7662 | 0.8779 |
| | 1.7055 | 1.4173 | 1.4266 | 1.3125 | 1.4526 | 1.3741 | 1.2939 | 2.3607 |
| 10 | 1.4256 | 1.6526 | 1.4037 | 1.4244 | 1.6403 | 1.6023 | 1.7374 | 0.7465 |
| | 1.6568 | 1.4264 | 1.6877 | 1.6464 | 1.4220 | 1.4455 | 1.3257 | 2.8187 |
| 11 | 1.5160 | 1.7703 | 1.4258 | 1.6452 | 1.3203 | 1.5024 | 1.5670 | 0.6804 |
| | 1.5289 | 1.3119 | 1.6446 | 1.4591 | 1.7780 | 1.5730 | 1.5034 | 3.1062 |
| 12 | 1.8245 | 1.5918 | 1.6431 | 1.3221 | 1.2639 | 1.4244 | 0.9511 | |
| | 1.2596 | 1.4519 | 1.4193 | 1.7760 | 1.5745 | 1.4452 | 2.1764 | |
| 13 | 1.6789 | 1.6669 | 1.6087 | 1.5115 | 1.4294 | 0.9242 | 0.4783 | |
| | 1.3613 | 1.3734 | 1.4394 | 1.5662 | 1.4424 | 1.9589 | 4.0376 | |
| 14 | 1.7886 | 1.7657 | 1.7471 | 1.5824 | 0.9575 | 0.4797 | | |
| | 1.2754 | 1.2942 | 1.3180 | 1.4874 | 2.1635 | 4.0279 | | |
| 15 | 0.8851 | 0.7958 | 0.8269 | 0.6974 | F-SUB-Q | | | |
| | 2.3437 | 2.6214 | 2.5092 | 3.0301 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6148 | 1.4775 | 1.4748 | 1.5640 | 1.8942 | 1.7358 | 1.8608 | 0.9058 |
| | 1.5216 | 1.7203 | 1.6980 | 1.5614 | 1.2740 | 1.3776 | 1.2818 | 2.3925 |
| 9 | 1.4775 | 1.7875 | 1.7139 | 1.8404 | 1.6423 | 1.7244 | 1.8389 | 0.8983 |
| | 1.7203 | 1.4403 | 1.4561 | 1.3305 | 1.4815 | 1.3911 | 1.3010 | 2.4119 |
| 10 | 1.4748 | 1.7141 | 1.4517 | 1.4755 | 1.7151 | 1.6693 | 1.8204 | 0.7647 |
| | 1.6980 | 1.4559 | 1.7303 | 1.6831 | 1.4399 | 1.4639 | 1.3322 | 2.8905 |
| 11 | 1.5640 | 1.8412 | 1.4770 | 1.7345 | 1.3985 | 1.5989 | 1.6620 | 0.7021 |
| | 1.5615 | 1.3299 | 1.6813 | 1.4605 | 1.7916 | 1.5655 | 1.5094 | 3.1878 |
| 12 | 1.8942 | 1.6431 | 1.7182 | 1.4004 | 1.4366 | 1.6094 | 1.0108 | |
| | 1.2740 | 1.4808 | 1.4371 | 1.7896 | 1.5885 | 1.4488 | 2.2098 | |
| 13 | 1.7358 | 1.7253 | 1.6769 | 1.6047 | 1.6138 | 1.0494 | 0.5132 | |
| | 1.3776 | 1.3903 | 1.4571 | 1.5584 | 1.4459 | 1.9957 | 4.1430 | |
| 14 | 1.8608 | 1.8391 | 1.8309 | 1.6775 | 1.0174 | 0.5147 | | |
| | 1.2818 | 1.3011 | 1.3242 | 1.4945 | 2.1963 | 4.1328 | | |
| 15 | 0.9058 | 0.8130 | 0.8493 | 0.7197 | F-SUB-Q | | | |
| | 2.3925 | 2.6831 | 2.5664 | 3.1092 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7302 | 1.5408 | 1.5076 | 1.5953 | 1.9386 | 1.7735 | 1.9082 | 0.9212 |
| | 1.5585 | 1.7699 | 1.7751 | 1.6273 | 1.3190 | 1.4242 | 1.3197 | 2.4819 |
| 9 | 1.5408 | 1.8455 | 1.7553 | 1.8862 | 1.6763 | 1.7636 | 1.8879 | 0.9142 |
| | 1.7699 | 1.4938 | 1.5179 | 1.3810 | 1.5416 | 1.4384 | 1.3397 | 2.5016 |
| 10 | 1.5076 | 1.7557 | 1.4838 | 1.5110 | 1.7663 | 1.7176 | 1.8786 | 0.7804 |
| | 1.7751 | 1.5175 | 1.8101 | 1.7550 | 1.4918 | 1.5132 | 1.3706 | 3.0008 |
| 11 | 1.5953 | 1.8870 | 1.5126 | 1.8025 | 1.4572 | 1.6702 | 1.7323 | 0.7209 |
| | 1.6273 | 1.3804 | 1.7529 | 1.4901 | 1.8348 | 1.5903 | 1.5312 | 3.3108 |
| 12 | 1.9386 | 1.6771 | 1.7696 | 1.4592 | 1.5742 | 1.7370 | 1.0603 | |
| | 1.3190 | 1.5408 | 1.4888 | 1.8327 | 1.6202 | 1.4715 | 2.2527 | |
| 13 | 1.7735 | 1.7647 | 1.7257 | 1.6763 | 1.7416 | 1.1385 | 0.5420 | |
| | 1.4242 | 1.4375 | 1.5056 | 1.5830 | 1.4684 | 2.0464 | 4.2568 | |
| 14 | 1.9082 | 1.8888 | 1.8898 | 1.7486 | 1.0671 | 0.5435 | | |
| | 1.3197 | 1.3398 | 1.3621 | 1.5172 | 2.2388 | 4.2460 | | |
| 15 | 0.9212 | 0.8275 | 0.8678 | 0.7389 | F-SUB-Q | | | |
| | 2.4819 | 2.7830 | 2.6613 | 3.2287 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7950 | 1.5844 | 1.5334 | 1.6205 | 1.9782 | 1.8057 | 1.9507 | 0.9309 |
| | 1.6235 | 1.8464 | 1.8756 | 1.7148 | 1.3799 | 1.4890 | 1.3735 | 2.6108 |
| 9 | 1.5844 | 1.8920 | 1.7893 | 1.9260 | 1.7042 | 1.7969 | 1.9319 | 0.9228 |
| | 1.8464 | 1.5348 | 1.5990 | 1.4484 | 1.6220 | 1.5039 | 1.3946 | 2.6351 |
| 10 | 1.5334 | 1.7897 | 1.5093 | 1.5392 | 1.8102 | 1.7579 | 1.9296 | 0.7892 |
| | 1.8756 | 1.5986 | 1.9132 | 1.8504 | 1.5607 | 1.5812 | 1.4255 | 3.1637 |
| 11 | 1.6205 | 1.9268 | 1.5410 | 1.8602 | 1.4990 | 1.7271 | 1.7910 | 0.7327 |
| | 1.7148 | 1.4477 | 1.8481 | 1.5361 | 1.9047 | 1.6350 | 1.5630 | 3.4743 |
| 12 | 1.9782 | 1.7051 | 1.8138 | 1.5011 | 1.6484 | 1.8224 | 1.0907 | |
| | 1.3799 | 1.6212 | 1.5575 | 1.9012 | 1.6791 | 1.5159 | 2.3443 | |
| 13 | 1.8057 | 1.7982 | 1.7665 | 1.7356 | 1.8266 | 1.1868 | 0.5598 | |
| | 1.4890 | 1.5029 | 1.5731 | 1.6270 | 1.5127 | 2.1310 | 4.4424 | |
| 14 | 1.9507 | 1.9331 | 1.9422 | 1.8081 | 1.0977 | 0.5614 | | |
| | 1.3735 | 1.3946 | 1.4164 | 1.5482 | 2.3296 | 4.4310 | | |
| 15 | 0.9309 | 0.8350 | 0.8794 | 0.7510 | F-SUB-Q | | | |
| | 2.6108 | 2.9330 | 2.7999 | 3.3915 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7954 | 1.5856 | 1.5285 | 1.6144 | 1.9678 | 1.8013 | 1.9426 | 0.9386 |
| | 1.7221 | 1.9506 | 2.0124 | 1.8515 | 1.4887 | 1.5979 | 1.4758 | 2.7673 |
| 9 | 1.5856 | 1.8848 | 1.7842 | 1.9160 | 1.6992 | 1.7933 | 1.9255 | 0.9342 |
| | 1.9506 | 1.6316 | 1.7185 | 1.5664 | 1.7478 | 1.6141 | 1.4983 | 2.7821 |
| 10 | 1.5285 | 1.7847 | 1.5043 | 1.5375 | 1.8057 | 1.7599 | 1.9290 | 0.8049 |
| | 2.0124 | 1.7180 | 2.0418 | 1.9805 | 1.6699 | 1.6926 | 1.5295 | 3.3214 |
| 11 | 1.6144 | 1.9169 | 1.5393 | 1.8623 | 1.5046 | 1.7338 | 1.7978 | 0.7477 |
| | 1.8515 | 1.5657 | 1.9782 | 1.6209 | 2.0031 | 1.7184 | 1.6434 | 3.5945 |
| 12 | 1.9678 | 1.7000 | 1.8093 | 1.5067 | 1.6660 | 1.8401 | 1.1189 | |
| | 1.4887 | 1.7470 | 1.6657 | 1.9981 | 1.7860 | 1.6115 | 2.4293 | |
| 13 | 1.8013 | 1.7947 | 1.7688 | 1.7424 | 1.8444 | 1.2175 | 0.5750 | |
| | 1.5979 | 1.6128 | 1.6841 | 1.7100 | 1.6078 | 2.2374 | 4.6458 | |
| 14 | 1.9426 | 1.9269 | 1.9435 | 1.8152 | 1.1261 | 0.5766 | | |
| | 1.4758 | 1.4982 | 1.5194 | 1.6278 | 2.4136 | 4.6338 | | |
| 15 | 0.9386 | 0.8504 | 0.8934 | 0.7664 | F-SUB-Q | | | |
| | 2.7673 | 3.0784 | 2.9512 | 3.5089 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8278 | 1.6031 | 1.5421 | 1.6302 | 2.0021 | 1.8267 | 1.9825 | 0.9356 |
| | 1.7986 | 2.0523 | 2.1222 | 1.9774 | 1.5754 | 1.6928 | 1.5529 | 2.9759 |
| 9 | 1.6031 | 1.9170 | 1.8065 | 1.9487 | 1.7168 | 1.8192 | 1.9660 | 0.9288 |
| | 2.0523 | 1.7071 | 1.8051 | 1.6592 | 1.8647 | 1.7095 | 1.5763 | 2.9997 |
| 10 | 1.5421 | 1.8071 | 1.5178 | 1.5527 | 1.8394 | 1.7895 | 1.9739 | 0.7971 |
| | 2.1222 | 1.8045 | 2.1533 | 2.0848 | 1.7397 | 1.7646 | 1.5916 | 3.5976 |
| 11 | 1.6302 | 1.9497 | 1.5546 | 1.9009 | 1.5254 | 1.7747 | 1.8433 | 0.7427 |
| | 1.9774 | 1.6584 | 2.0823 | 1.6866 | 2.0951 | 1.7806 | 1.6997 | 3.8347 |
| 12 | 2.0021 | 1.7178 | 1.8432 | 1.5275 | 1.7024 | 1.8904 | 1.1191 | |
| | 1.5754 | 1.8638 | 1.7353 | 2.0898 | 1.8520 | 1.6618 | 2.5727 | |
| 13 | 1.8267 | 1.8209 | 1.7988 | 1.7837 | 1.8949 | 1.2243 | 0.5732 | |
| | 1.6928 | 1.7081 | 1.7556 | 1.7718 | 1.6580 | 2.3617 | 4.9326 | |
| 14 | 1.9825 | 1.9678 | 1.9895 | 1.8614 | 1.1264 | 0.5747 | | |
| | 1.5529 | 1.5761 | 1.5792 | 1.6834 | 2.5560 | 4.9195 | | |
| 15 | 0.9356 | 0.8417 | 0.8894 | 0.7616 | F-SUB-Q | | | |
| | 2.9759 | 3.3346 | 3.1799 | 3.7423 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8232 | 1.5956 | 1.5340 | 1.6230 | 1.9993 | 1.8243 | 1.9844 | 0.9314 |
| | 1.8099 | 2.0615 | 2.1304 | 2.0075 | 1.6302 | 1.7874 | 1.6430 | 3.2024 |
| 9 | 1.5956 | 1.9117 | 1.8003 | 1.9448 | 1.7103 | 1.8171 | 1.9686 | 0.9257 |
| | 2.0615 | 1.7153 | 1.8174 | 1.6783 | 1.9063 | 1.7963 | 1.6588 | 3.2166 |
| 10 | 1.5340 | 1.8010 | 1.5094 | 1.5464 | 1.8379 | 1.7904 | 1.9804 | 0.7952 |
| | 2.1304 | 1.8167 | 2.1676 | 2.1154 | 1.7819 | 1.8311 | 1.6562 | 3.7911 |
| 11 | 1.6230 | 1.9458 | 1.5484 | 1.9013 | 1.5225 | 1.7797 | 1.8513 | 0.7410 |
| | 2.0075 | 1.6774 | 2.1127 | 1.7304 | 2.1620 | 1.8507 | 1.7778 | 4.0394 |
| 12 | 1.9993 | 1.7112 | 1.8418 | 1.5245 | 1.7067 | 1.8996 | 1.1205 | |
| | 1.6302 | 1.9052 | 1.7780 | 2.1587 | 1.9443 | 1.7478 | 2.7099 | |
| 13 | 1.8243 | 1.8190 | 1.8000 | 1.7890 | 1.9042 | 1.2258 | 0.5719 | |
| | 1.7874 | 1.7945 | 1.8214 | 1.8410 | 1.7435 | 2.4988 | 5.2475 | |
| 14 | 1.9844 | 1.9706 | 1.9965 | 1.8698 | 1.1280 | 0.5734 | | |
| | 1.6430 | 1.6572 | 1.6429 | 1.7602 | 2.6913 | 5.2336 | | |
| 15 | 0.9314 | 0.8391 | 0.8874 | 0.7600 | F-SUB-Q | | | |
| | 3.2024 | 3.5733 | 3.3504 | 3.9409 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7871 | 1.5666 | 1.5065 | 1.5950 | 1.9635 | 1.7975 | 1.9530 | 0.9251 |
| | 1.8155 | 2.0636 | 2.1314 | 2.0042 | 1.6279 | 1.7780 | 1.6363 | 3.1470 |
| 9 | 1.5666 | 1.8741 | 1.7691 | 1.9083 | 1.6824 | 1.7905 | 1.9379 | 0.9219 |
| | 2.0636 | 1.7195 | 1.8174 | 1.6804 | 1.9014 | 1.7886 | 1.6539 | 3.1595 |
| 10 | 1.5065 | 1.7699 | 1.4818 | 1.5207 | 1.8054 | 1.7662 | 1.9529 | 0.7964 |
| | 2.1314 | 1.8166 | 2.1692 | 2.1132 | 1.7834 | 1.8255 | 1.6521 | 3.7167 |
| 11 | 1.5950 | 1.9093 | 1.5228 | 1.8689 | 1.4989 | 1.7534 | 1.8266 | 0.7416 |
| | 2.0042 | 1.6794 | 2.1104 | 1.7324 | 2.1611 | 1.8500 | 1.7744 | 3.9690 |
| 12 | 1.9635 | 1.6833 | 1.8104 | 1.5015 | 1.6843 | 1.8741 | 1.1209 | |
| | 1.6279 | 1.9004 | 1.7794 | 2.1576 | 1.9488 | 1.7484 | 2.6699 | |
| 13 | 1.7975 | 1.7930 | 1.7759 | 1.7627 | 1.8787 | 1.2227 | 0.5709 | |
| | 1.7780 | 1.7866 | 1.8155 | 1.8401 | 1.7440 | 2.4748 | 5.2073 | |
| 14 | 1.9530 | 1.9401 | 1.9692 | 1.8452 | 1.1284 | 0.5725 | | |
| | 1.6363 | 1.6521 | 1.6385 | 1.7565 | 2.6514 | 5.1920 | | |
| 15 | 0.9251 | 0.8401 | 0.8862 | 0.7606 | F-SUB-Q | | | |
| | 3.1470 | 3.4903 | 3.2947 | 3.8720 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7850 | 1.5560 | 1.4957 | 1.5857 | 1.9662 | 1.7960 | 1.9635 | 0.9089 |
| | 1.7486 | 1.9905 | 2.0506 | 1.9340 | 1.5688 | 1.7166 | 1.5693 | 3.0577 |
| 9 | 1.5560 | 1.8731 | 1.7626 | 1.9091 | 1.6733 | 1.7892 | 1.9488 | 0.9038 |
| | 1.9905 | 1.6500 | 1.7487 | 1.6127 | 1.8378 | 1.7295 | 1.5883 | 3.0759 |
| 10 | 1.4957 | 1.7634 | 1.4708 | 1.5106 | 1.8081 | 1.7672 | 1.9661 | 0.7769 |
| | 2.0507 | 1.7479 | 2.0866 | 2.0348 | 1.7106 | 1.7588 | 1.5830 | 3.6271 |
| 11 | 1.5857 | 1.9102 | 1.5127 | 1.8717 | 1.4914 | 1.7609 | 1.8394 | 0.7245 |
| | 1.9340 | 1.6118 | 2.0321 | 1.6631 | 2.0836 | 1.7737 | 1.6972 | 3.8574 |
| 12 | 1.9662 | 1.6742 | 1.8134 | 1.4957 | 1.6859 | 1.8855 | 1.0995 | |
| | 1.5688 | 1.8369 | 1.7070 | 2.0804 | 1.8842 | 1.6786 | 2.6048 | |
| 13 | 1.7960 | 1.7930 | 1.7773 | 1.7705 | 1.8903 | 1.2039 | 0.5572 | |
| | 1.7166 | 1.7276 | 1.7495 | 1.7645 | 1.6742 | 2.4122 | 5.0604 | |
| 14 | 1.9635 | 1.9513 | 1.9830 | 1.8585 | 1.1070 | 0.5588 | | |
| | 1.5693 | 1.5866 | 1.5703 | 1.6806 | 2.5873 | 5.0462 | | |
| 15 | 0.9089 | 0.8199 | 0.8690 | 0.7434 | F-SUB-Q | | | |
| | 3.0577 | 3.4094 | 3.1999 | 3.7642 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7579 | 1.5290 | 1.4698 | 1.5601 | 1.9412 | 1.7737 | 1.9452 | 0.8917 |
| | 1.6265 | 1.8566 | 1.9034 | 1.7897 | 1.4466 | 1.5865 | 1.4458 | 2.8399 |
| 9 | 1.5290 | 1.8457 | 1.7356 | 1.8831 | 1.6469 | 1.7670 | 1.9309 | 0.8871 |
| | 1.8566 | 1.5324 | 1.6205 | 1.4897 | 1.7006 | 1.5965 | 1.4623 | 2.8569 |
| 10 | 1.4698 | 1.7365 | 1.4448 | 1.4855 | 1.7850 | 1.7469 | 1.9502 | 0.7614 |
| | 1.9034 | 1.6197 | 1.9387 | 1.8890 | 1.5854 | 1.6279 | 1.4608 | 3.3750 |
| 11 | 1.5601 | 1.8842 | 1.4877 | 1.8475 | 1.4694 | 1.7426 | 1.8248 | 0.7106 |
| | 1.7897 | 1.4889 | 1.8864 | 1.5456 | 1.9418 | 1.6452 | 1.5715 | 3.6012 |
| 12 | 1.9412 | 1.6479 | 1.7904 | 1.4738 | 1.6661 | 1.8687 | 1.0802 | |
| | 1.4466 | 1.6997 | 1.5818 | 1.9379 | 1.7492 | 1.5540 | 2.4315 | |
| 13 | 1.7737 | 1.7718 | 1.7572 | 1.7524 | 1.8736 | 1.1839 | 0.5450 | |
| | 1.5865 | 1.5946 | 1.6191 | 1.6373 | 1.5497 | 2.2516 | 4.7491 | |
| 14 | 1.9452 | 1.9338 | 1.9675 | 1.8442 | 1.0877 | 0.5465 | | |
| | 1.4458 | 1.4605 | 1.4486 | 1.5558 | 2.4149 | 4.7354 | | |
| 15 | 0.8917 | 0.8015 | 0.8532 | 0.7293 | F-SUB-Q | | | |
| | 2.8399 | 3.1763 | 2.9723 | 3.5133 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7168 | 1.4921 | 1.4351 | 1.5239 | 1.9002 | 1.7380 | 1.9084 | 0.8732 |
| | 1.5130 | 1.7266 | 1.7783 | 1.6746 | 1.3512 | 1.4828 | 1.3499 | 2.6605 |
| 9 | 1.4921 | 1.8039 | 1.6970 | 1.8414 | 1.6099 | 1.7314 | 1.8945 | 0.8691 |
| | 1.7266 | 1.4254 | 1.5119 | 1.3923 | 1.5903 | 1.4909 | 1.3633 | 2.6710 |
| 10 | 1.4351 | 1.6979 | 1.4101 | 1.4505 | 1.7470 | 1.7128 | 1.9151 | 0.7477 |
| | 1.7783 | 1.5111 | 1.8112 | 1.7648 | 1.4787 | 1.5169 | 1.3581 | 3.1480 |
| 11 | 1.5239 | 1.8426 | 1.4528 | 1.8082 | 1.4369 | 1.7081 | 1.7916 | 0.6969 |
| | 1.6746 | 1.3915 | 1.7623 | 1.4356 | 1.8068 | 1.5282 | 1.4564 | 3.3522 |
| 12 | 1.9002 | 1.6108 | 1.7524 | 1.4412 | 1.6328 | 1.8341 | 1.0613 | |
| | 1.3512 | 1.5894 | 1.4753 | 1.8029 | 1.6310 | 1.4466 | 2.2570 | |
| 13 | 1.7380 | 1.7369 | 1.7231 | 1.7179 | 1.8390 | 1.1618 | 0.5338 | |
| | 1.4828 | 1.4890 | 1.5084 | 1.5189 | 1.4424 | 2.0990 | 4.4337 | |
| 14 | 1.9084 | 1.8976 | 1.9325 | 1.8110 | 1.0688 | 0.5353 | | |
| | 1.3499 | 1.3615 | 1.3466 | 1.4415 | 2.2411 | 4.4206 | | |
| 15 | 0.8732 | 0.7893 | 0.8376 | 0.7155 | F-SUB-Q | | | |
| | 2.6605 | 2.9584 | 2.7733 | 3.2697 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6574 | 1.4436 | 1.3896 | 1.4758 | 1.8378 | 1.6866 | 1.8487 | 0.8538 |
| | 1.5503 | 1.7684 | 1.8255 | 1.7197 | 1.3907 | 1.5231 | 1.3887 | 2.7172 |
| 9 | 1.4436 | 1.7424 | 1.6434 | 1.7792 | 1.5602 | 1.6799 | 1.8355 | 0.8516 |
| | 1.7684 | 1.4662 | 1.5516 | 1.4315 | 1.6323 | 1.5304 | 1.4010 | 2.7201 |
| 10 | 1.3896 | 1.6443 | 1.3647 | 1.4050 | 1.6893 | 1.6622 | 1.8571 | 0.7362 |
| | 1.8255 | 1.5507 | 1.8606 | 1.8111 | 1.5217 | 1.5547 | 1.3927 | 3.1835 |
| 11 | 1.4758 | 1.7803 | 1.4072 | 1.7488 | 1.3926 | 1.6537 | 1.7369 | 0.6857 |
| | 1.7197 | 1.4307 | 1.8085 | 1.4724 | 1.8495 | 1.5654 | 1.4911 | 3.3940 |
| 12 | 1.8378 | 1.5612 | 1.6947 | 1.3969 | 1.5836 | 1.7777 | 1.0431 | |
| | 1.3907 | 1.6314 | 1.5181 | 1.8442 | 1.6568 | 1.4712 | 2.2728 | |
| 13 | 1.6866 | 1.6857 | 1.6725 | 1.6639 | 1.7825 | 1.1386 | 0.5233 | |
| | 1.5231 | 1.5283 | 1.5457 | 1.5565 | 1.4671 | 2.1086 | 4.4657 | |
| 14 | 1.8487 | 1.8387 | 1.8744 | 1.7561 | 1.0505 | 0.5249 | | |
| | 1.3887 | 1.3990 | 1.3806 | 1.4756 | 2.2567 | 4.4525 | | |
| 15 | 0.8538 | 0.7770 | 0.8225 | 0.7039 | F-SUB-Q | | | |
| | 2.7172 | 2.9999 | 2.8124 | 3.3103 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6315 | 1.4133 | 1.3603 | 1.4456 | 1.8129 | 1.6589 | 1.8300 | 0.8237 |
| | 1.4544 | 1.6723 | 1.7304 | 1.6322 | 1.3111 | 1.4414 | 1.3059 | 2.6264 |
| 9 | 1.4133 | 1.7172 | 1.6144 | 1.7538 | 1.5284 | 1.6529 | 1.8169 | 0.8203 |
| | 1.6723 | 1.3781 | 1.4654 | 1.3490 | 1.5492 | 1.4475 | 1.3165 | 2.6331 |
| 10 | 1.3603 | 1.6153 | 1.3357 | 1.3746 | 1.6652 | 1.6360 | 1.8386 | 0.7041 |
| | 1.7304 | 1.4645 | 1.7634 | 1.7185 | 1.4326 | 1.4660 | 1.3048 | 3.0981 |
| 11 | 1.4456 | 1.7549 | 1.3768 | 1.7244 | 1.3643 | 1.6324 | 1.7187 | 0.6566 |
| | 1.6321 | 1.3481 | 1.7159 | 1.3843 | 1.7504 | 1.4714 | 1.3971 | 3.2898 |
| 12 | 1.8129 | 1.5293 | 1.6705 | 1.3685 | 1.5588 | 1.7584 | 1.0023 | |
| | 1.3111 | 1.5484 | 1.4282 | 1.7453 | 1.5524 | 1.3748 | 2.1945 | |
| 13 | 1.6589 | 1.6589 | 1.6464 | 1.6449 | 1.7633 | 1.1003 | 0.5010 | |
| | 1.4414 | 1.4438 | 1.4573 | 1.4601 | 1.3712 | 2.0163 | 4.3244 | |
| 14 | 1.8300 | 1.8204 | 1.8561 | 1.7380 | 1.0096 | 0.5025 | | |
| | 1.3059 | 1.3144 | 1.2931 | 1.3823 | 2.1788 | 4.3116 | | |
| 15 | 0.8237 | 0.7416 | 0.7911 | 0.6743 | F-SUB-Q | | | |
| | 2.6264 | 2.9305 | 2.7211 | 3.2074 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5746 | 1.3643 | 1.3144 | 1.3961 | 1.7526 | 1.6062 | 1.7726 | 0.7939 |
| | 1.4067 | 1.6207 | 1.6805 | 1.5874 | 1.2736 | 1.3989 | 1.2669 | 2.5660 |
| 9 | 1.3643 | 1.6593 | 1.5618 | 1.6941 | 1.4766 | 1.6006 | 1.7601 | 0.7908 |
| | 1.6207 | 1.3356 | 1.4207 | 1.3106 | 1.5060 | 1.4044 | 1.2764 | 2.5710 |
| 10 | 1.3144 | 1.5628 | 1.2906 | 1.3270 | 1.6089 | 1.5839 | 1.7809 | 0.6783 |
| | 1.6805 | 1.4198 | 1.7122 | 1.6702 | 1.3900 | 1.4202 | 1.2628 | 3.0242 |
| 11 | 1.3961 | 1.6953 | 1.3292 | 1.6671 | 1.3174 | 1.5779 | 1.6631 | 0.6323 |
| | 1.5874 | 1.3098 | 1.6676 | 1.3398 | 1.6956 | 1.4239 | 1.3512 | 3.2069 |
| 12 | 1.7526 | 1.4775 | 1.6142 | 1.3216 | 1.5092 | 1.7029 | 0.9666 | |
| | 1.2736 | 1.5052 | 1.3857 | 1.6906 | 1.4934 | 1.3239 | 2.1268 | |
| 13 | 1.6062 | 1.6065 | 1.5941 | 1.5908 | 1.7076 | 1.0629 | 0.4824 | |
| | 1.3989 | 1.3997 | 1.4116 | 1.4130 | 1.3203 | 1.9475 | 4.2000 | |
| 14 | 1.7726 | 1.7633 | 1.7981 | 1.6820 | 0.9736 | 0.4838 | | |
| | 1.2669 | 1.2743 | 1.2513 | 1.3366 | 2.1114 | 4.1875 | | |
| 15 | 0.7939 | 0.7146 | 0.7629 | 0.6495 | F-SUB-Q | | | |
| | 2.5660 | 2.8636 | 2.6534 | 3.1257 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4820 | 1.2942 | 1.2494 | 1.3245 | 1.6511 | 1.5249 | 1.6699 | 0.7632 |
| | 1.4148 | 1.6183 | 1.6770 | 1.5874 | 1.2822 | 1.3978 | 1.2758 | 2.5380 |
| 9 | 1.2942 | 1.5630 | 1.4821 | 1.5947 | 1.4020 | 1.5191 | 1.6584 | 0.7616 |
| | 1.6183 | 1.3431 | 1.4193 | 1.3203 | 1.5046 | 1.4031 | 1.2848 | 2.5384 |
| 10 | 1.2494 | 1.4831 | 1.2270 | 1.2599 | 1.5161 | 1.5025 | 1.6774 | 0.6580 |
| | 1.6770 | 1.4183 | 1.7081 | 1.6673 | 1.3979 | 1.4186 | 1.2700 | 2.9620 |
| 11 | 1.3245 | 1.5958 | 1.2620 | 1.5721 | 1.2503 | 1.4846 | 1.5639 | 0.6119 |
| | 1.5874 | 1.3194 | 1.6647 | 1.3453 | 1.6914 | 1.4315 | 1.3598 | 3.1454 |
| 12 | 1.6511 | 1.4028 | 1.5211 | 1.2543 | 1.4317 | 1.6052 | 0.9340 | |
| | 1.2822 | 1.5037 | 1.3936 | 1.6863 | 1.4861 | 1.3257 | 2.0826 | |
| 13 | 1.5249 | 1.5247 | 1.5122 | 1.4964 | 1.6097 | 1.0249 | 0.4673 | |
| | 1.3978 | 1.3981 | 1.4100 | 1.4219 | 1.3221 | 1.9073 | 4.1038 | |
| 14 | 1.6699 | 1.6613 | 1.6937 | 1.5819 | 0.9409 | 0.4687 | | |
| | 1.2758 | 1.2827 | 1.2582 | 1.3449 | 2.0675 | 4.0916 | | |
| 15 | 0.7632 | 0.6948 | 0.7368 | 0.6287 | F-SUB-Q | | | |
| | 2.5380 | 2.8002 | 2.6101 | 3.0649 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4114 | 1.2369 | 1.1941 | 1.2649 | 1.5721 | 1.4581 | 1.5919 | 0.7187 |
| | 1.4218 | 1.6211 | 1.6810 | 1.5924 | 1.2897 | 1.4000 | 1.2817 | 2.5869 |
| 9 | 1.2369 | 1.4871 | 1.4174 | 1.5180 | 1.3390 | 1.4532 | 1.5813 | 0.7156 |
| | 1.6211 | 1.3515 | 1.4211 | 1.3282 | 1.5087 | 1.4042 | 1.2902 | 2.5915 |
| 10 | 1.1941 | 1.4183 | 1.1737 | 1.2041 | 1.4459 | 1.4373 | 1.5976 | 0.6131 |
| | 1.6810 | 1.4202 | 1.7108 | 1.6726 | 1.4031 | 1.4191 | 1.2758 | 3.0499 |
| 11 | 1.2649 | 1.5190 | 1.2061 | 1.4995 | 1.1960 | 1.4137 | 1.4872 | 0.5708 |
| | 1.5924 | 1.3274 | 1.6700 | 1.3490 | 1.6913 | 1.4380 | 1.3676 | 3.2335 |
| 12 | 1.5721 | 1.3399 | 1.4506 | 1.1998 | 1.3717 | 1.5308 | 0.8744 | |
| | 1.2897 | 1.5078 | 1.3988 | 1.6867 | 1.4819 | 1.3280 | 2.1291 | |
| 13 | 1.4581 | 1.4585 | 1.4465 | 1.4248 | 1.5350 | 0.9653 | 0.4379 | |
| | 1.4000 | 1.3991 | 1.4104 | 1.4285 | 1.3244 | 1.9363 | 4.1950 | |
| 14 | 1.5919 | 1.5839 | 1.6131 | 1.5044 | 0.8808 | 0.4392 | | |
| | 1.2817 | 1.2882 | 1.2640 | 1.3526 | 2.1136 | 4.1827 | | |
| 15 | 0.7187 | 0.6481 | 0.6909 | 0.5867 | F-SUB-Q | | | |
| | 2.5869 | 2.8815 | 2.6705 | 3.1495 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2982 | 1.1445 | 1.0911 | 1.1663 | 1.4310 | 1.3320 | 1.4392 | 0.6667 |
| | 1.4938 | 1.6935 | 1.7797 | 1.6698 | 1.3682 | 1.4811 | 1.3703 | 2.7019 |
| 9 | 1.1445 | 1.3544 | 1.2945 | 1.3844 | 1.2358 | 1.3274 | 1.4296 | 0.6641 |
| | 1.6935 | 1.4342 | 1.5042 | 1.4077 | 1.5802 | 1.4850 | 1.3793 | 2.7058 |
| 10 | 1.0911 | 1.2954 | 1.0732 | 1.1154 | 1.3289 | 1.3153 | 1.4451 | 0.5649 |
| | 1.7797 | 1.5032 | 1.8100 | 1.7459 | 1.4750 | 1.4981 | 1.3626 | 3.2071 |
| 11 | 1.1663 | 1.3853 | 1.1172 | 1.3751 | 1.1118 | 1.2994 | 1.3532 | 0.5256 |
| | 1.6698 | 1.4068 | 1.7432 | 1.4217 | 1.7586 | 1.5110 | 1.4521 | 3.4022 |
| 12 | 1.4310 | 1.2366 | 1.3330 | 1.1151 | 1.2574 | 1.3890 | 0.8109 | |
| | 1.3682 | 1.5793 | 1.4706 | 1.7535 | 1.5614 | 1.4132 | 2.2202 | |
| 13 | 1.3320 | 1.3320 | 1.3236 | 1.3069 | 1.3928 | 0.8849 | 0.4023 | |
| | 1.4811 | 1.4801 | 1.4892 | 1.5026 | 1.4095 | 2.0420 | 4.4246 | |
| 14 | 1.4392 | 1.4317 | 1.4589 | 1.3684 | 0.8167 | 0.4034 | | |
| | 1.3703 | 1.3774 | 1.3502 | 1.4364 | 2.2045 | 4.4118 | | |
| 15 | 0.6667 | 0.5990 | 0.6390 | 0.5400 | F-SUB-Q | | | |
| | 2.7019 | 3.0209 | 2.7973 | 3.3150 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 50 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2254 | 0.9487 | 0.8757 | 0.9579 | 1.2896 | 1.0688 | 1.2560 | 0.5574 |
| | 1.5409 | 1.9909 | 2.1632 | 1.9823 | 1.4773 | 1.7981 | 1.5299 | 3.1580 |
| 9 | 0.9487 | 1.2235 | 1.0513 | 1.2638 | 1.0212 | 1.0659 | 1.2505 | 0.5592 |
| | 1.9909 | 1.5450 | 1.8045 | 1.5029 | 1.8640 | 1.8022 | 1.5364 | 3.1403 |
| 10 | 0.8757 | 1.0520 | 0.8574 | 0.9263 | 1.2465 | 1.0584 | 1.2265 | 0.4705 |
| | 2.1632 | 1.8033 | 2.2102 | 2.0488 | 1.5309 | 1.8138 | 1.5650 | 3.7643 |
| 11 | 0.9579 | 1.2646 | 0.9276 | 1.2555 | 0.9307 | 1.2247 | 1.1463 | 0.4373 |
| | 1.9823 | 1.5019 | 2.0460 | 1.5161 | 2.0473 | 1.5601 | 1.6707 | 3.9977 |
| 12 | 1.2896 | 1.0218 | 1.2499 | 0.9335 | 1.0236 | 1.1772 | 0.6880 | |
| | 1.4773 | 1.8630 | 1.5269 | 2.0416 | 1.8691 | 1.6253 | 2.5545 | |
| 13 | 1.0688 | 1.0694 | 1.0647 | 1.2306 | 1.1808 | 0.7254 | 0.3292 | |
| | 1.7981 | 1.7965 | 1.8033 | 1.5529 | 1.6205 | 2.4315 | 5.2894 | |
| 14 | 1.2560 | 1.2507 | 1.2371 | 1.1582 | 0.6927 | 0.3301 | | |
| | 1.5299 | 1.5362 | 1.5520 | 1.6539 | 2.5372 | 5.2742 | | |
| 15 | 0.5574 | 0.5017 | 0.5336 | 0.4481 | F-SUB-Q | | | |
| | 3.1580 | 3.5252 | 3.2737 | 3.9053 | M-SUB-Q | | | |

AT 75% POWER, 50 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4733 | 0.4008 | 0.3742 | 0.4117 | 0.4919 | 0.4128 | 0.4453 | 0.2294 |
| | 3.9065 | 4.6187 | 4.9620 | 4.5209 | 3.7916 | 4.5389 | 4.2215 | 7.5318 |
| 9 | 0.4008 | 0.4652 | 0.4098 | 0.4787 | 0.4267 | 0.4099 | 0.4431 | 0.2294 |
| | 4.6187 | 3.9817 | 4.5339 | 3.8848 | 4.3702 | 4.5827 | 4.2420 | 7.5135 |
| 10 | 0.3742 | 0.4100 | 0.3661 | 0.4010 | 0.4789 | 0.4123 | 0.4322 | 0.2093 |
| | 4.9620 | 4.5311 | 5.0728 | 4.6422 | 3.8947 | 4.5399 | 4.3462 | 8.3062 |
| 11 | 0.4117 | 0.4790 | 0.4016 | 0.4643 | 0.4021 | 0.4624 | 0.4041 | 0.1846 |
| | 4.5209 | 3.8823 | 4.6356 | 4.0116 | 4.6461 | 4.0466 | 4.6417 | 9.3022 |
| 12 | 0.4919 | 0.4270 | 0.4800 | 0.4033 | 0.3916 | 0.4176 | 0.2805 | |
| | 3.7916 | 4.3677 | 3.8862 | 4.6332 | 4.7814 | 4.4851 | 6.1463 | |
| 13 | 0.4128 | 0.4113 | 0.4140 | 0.4646 | 0.4189 | 0.2901 | 0.1423 | |
| | 4.5389 | 4.5681 | 4.5217 | 4.0280 | 4.4711 | 5.9612 | *12.0191 | |
| 14 | 0.4453 | 0.4433 | 0.4357 | 0.4082 | 0.2824 | 0.1427 | | |
| | 4.2215 | 4.2405 | 4.3116 | 4.5961 | 6.1050 | *11.9841 | | |
| 15 | 0.2294 | 0.2196 | 0.2202 | 0.1896 | F-SUB-Q | | | |
| | 7.5318 | 7.9050 | 7.7888 | 9.0663 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3328 | 0.3658 | 0.3907 | 0.4360 | 0.5097 | 0.4404 | 0.4536 | 0.2483 |
| | 4.2653 | 4.9742 | 4.9810 | 4.4366 | 3.7969 | 4.4149 | 4.3475 | 7.2078 |
| 9 | 0.3658 | 0.4441 | 0.4205 | 0.4944 | 0.4520 | 0.4331 | 0.4489 | 0.2478 |
| | 4.9742 | 4.4235 | 4.6490 | 3.9193 | 4.2777 | 4.4800 | 4.3923 | 7.2083 |
| 10 | 0.3907 | 0.4206 | 0.3834 | 0.4142 | 0.4784 | 0.4161 | 0.4235 | 0.2189 |
| | 4.9810 | 4.6476 | 5.1784 | 4.6991 | 4.0457 | 4.6420 | 4.5573 | 8.0639 |
| 11 | 0.4360 | 0.4946 | 0.4145 | 0.4385 | 0.3811 | 0.4194 | 0.3812 | 0.1902 |
| | 4.4366 | 3.9181 | 4.6957 | 4.4363 | 5.0140 | 4.5133 | 5.0524 | 9.1311 |
| 12 | 0.5097 | 0.4522 | 0.4789 | 0.3814 | 0.3040 | 0.3248 | 0.2470 | |
| | 3.7969 | 4.2763 | 4.0418 | 5.0094 | 5.0438 | 4.8959 | 6.5907 | |
| 13 | 0.4404 | 0.4333 | 0.4169 | 0.4208 | 0.3260 | 0.2092 | 0.1248 | |
| | 4.4149 | 4.4778 | 4.6327 | 4.5022 | 4.8870 | 6.1557 | *11.6191 | |
| 14 | 0.4536 | 0.4482 | 0.4253 | 0.3838 | 0.2485 | 0.1252 | | |
| | 4.3475 | 4.3983 | 4.5378 | 5.0190 | 6.5604 | *11.5965 | | |
| 15 | 0.2483 | 0.2323 | 0.2303 | 0.1945 | F-SUB-Q | | | |
| | 7.2078 | 7.7300 | 7.5768 | 8.9379 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.8029 | 0.8259 | 0.8659 | 0.9612 | 1.2208 | 1.0520 | 1.1626 | 0.5917 |
| | 1.8368 | 2.2708 | 2.3172 | 2.0765 | 1.6371 | 1.9048 | 1.7431 | 3.1102 |
| 9 | 0.8259 | 1.0823 | 1.0071 | 1.1921 | 1.0178 | 1.0357 | 1.1516 | 0.5882 |
| | 2.2708 | 1.8705 | 1.9965 | 1.6772 | 1.9616 | 1.9370 | 1.7450 | 3.0976 |
| 10 | 0.8659 | 1.0073 | 0.8498 | 0.9128 | 1.1497 | 0.9938 | 1.0930 | 0.4901 |
| | 2.3172 | 1.9961 | 2.3864 | 2.1915 | 1.7366 | 2.0077 | 1.8205 | 3.7068 |
| 11 | 0.9612 | 1.1924 | 0.9135 | 1.0928 | 0.8372 | 1.0231 | 0.9738 | 0.4451 |
| | 2.0765 | 1.6767 | 2.1899 | 1.8282 | 2.3240 | 1.8966 | 2.0426 | 4.0279 |
| 12 | 1.2208 | 1.0181 | 1.1507 | 0.8381 | 0.7241 | 0.8329 | 0.5936 | |
| | 1.6371 | 1.9610 | 1.7350 | 2.3220 | 2.1324 | 1.9459 | 2.8153 | |
| 13 | 1.0520 | 1.0355 | 0.9958 | 1.0263 | 0.8357 | 0.5082 | 0.2887 | |
| | 1.9048 | 1.9373 | 2.0036 | 1.8919 | 1.9428 | 2.5956 | 5.1632 | |
| 14 | 1.1626 | 1.1496 | 1.0979 | 0.9801 | 0.5970 | 0.2896 | | |
| | 1.7431 | 1.7477 | 1.8122 | 2.0294 | 2.8027 | 5.1536 | | |
| 15 | 0.5917 | 0.5278 | 0.5463 | 0.4541 | F-SUB-Q | | | |
| | 3.1102 | 3.4821 | 3.2865 | 3.9516 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9536 | 1.0222 | 1.0777 | 1.1839 | 1.4060 | 1.3001 | 1.3563 | 0.7279 |
| | 1.7008 | 1.9093 | 1.9103 | 1.7301 | 1.4548 | 1.5763 | 1.5101 | 2.5506 |
| 9 | 1.0222 | 1.2469 | 1.2407 | 1.3609 | 1.2465 | 1.2884 | 1.3365 | 0.7221 |
| | 1.9093 | 1.6628 | 1.6616 | 1.5054 | 1.6422 | 1.5880 | 1.5295 | 2.5640 |
| 10 | 1.0777 | 1.2409 | 1.0625 | 1.1172 | 1.2834 | 1.2342 | 1.3088 | 0.6102 |
| | 1.9103 | 1.6614 | 1.9421 | 1.8352 | 1.5947 | 1.6556 | 1.5576 | 3.0446 |
| 11 | 1.1839 | 1.3612 | 1.1180 | 1.2488 | 1.0219 | 1.1489 | 1.1748 | 0.5519 |
| | 1.7301 | 1.5050 | 1.8338 | 1.6411 | 1.9522 | 1.7475 | 1.7364 | 3.3365 |
| 12 | 1.4060 | 1.2469 | 1.2851 | 1.0230 | 0.8960 | 0.9970 | 0.7310 | |
| | 1.4548 | 1.6417 | 1.5924 | 1.9505 | 1.7747 | 1.6629 | 2.3489 | |
| 13 | 1.3001 | 1.2882 | 1.2378 | 1.1529 | 1.0006 | 0.6326 | 0.3639 | |
| | 1.5763 | 1.5881 | 1.6506 | 1.7424 | 1.6605 | 2.1554 | 4.2258 | |
| 14 | 1.3563 | 1.3357 | 1.3142 | 1.1841 | 0.7353 | 0.3650 | | |
| | 1.5101 | 1.5301 | 1.5511 | 1.7216 | 2.3377 | 4.2178 | | |
| 15 | 0.7279 | 0.6553 | 0.6738 | 0.5646 | F-SUB-Q | | | |
| | 2.5506 | 2.8399 | 2.7259 | 3.2638 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1087 | 1.1495 | 1.2095 | 1.3264 | 1.6148 | 1.4678 | 1.5618 | 0.7979 |
| | 1.5374 | 1.7661 | 1.7587 | 1.5921 | 1.3030 | 1.4312 | 1.3435 | 2.3835 |
| 9 | 1.1495 | 1.4369 | 1.4027 | 1.5617 | 1.3982 | 1.4575 | 1.5407 | 0.7898 |
| | 1.7661 | 1.4922 | 1.5169 | 1.3523 | 1.5084 | 1.4415 | 1.3616 | 2.4032 |
| 10 | 1.2095 | 1.4028 | 1.1924 | 1.2501 | 1.4752 | 1.3998 | 1.5157 | 0.6685 |
| | 1.7587 | 1.5167 | 1.7860 | 1.6933 | 1.4319 | 1.5041 | 1.3845 | 2.8606 |
| 11 | 1.3264 | 1.5621 | 1.2511 | 1.4363 | 1.1456 | 1.3293 | 1.3638 | 0.6069 |
| | 1.5921 | 1.3519 | 1.6919 | 1.4746 | 1.8006 | 1.5643 | 1.5456 | 3.1359 |
| 12 | 1.6148 | 1.3987 | 1.4773 | 1.1470 | 1.0128 | 1.1638 | 0.8124 | |
| | 1.3030 | 1.5078 | 1.4298 | 1.7991 | 1.6175 | 1.4857 | 2.1992 | |
| 13 | 1.4678 | 1.4574 | 1.4042 | 1.3345 | 1.1676 | 0.7134 | 0.4027 | |
| | 1.4312 | 1.4415 | 1.4992 | 1.5594 | 1.4834 | 2.0063 | 3.9986 | |
| 14 | 1.5618 | 1.5401 | 1.5223 | 1.3752 | 0.8173 | 0.4038 | | |
| | 1.3435 | 1.3621 | 1.3784 | 1.5317 | 2.1884 | 3.9908 | | |
| 15 | 0.7979 | 0.7130 | 0.7390 | 0.6208 | F-SUB-Q | | | |
| | 2.3835 | 2.6760 | 2.5576 | 3.0672 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2141 | 1.2302 | 1.2809 | 1.4075 | 1.7353 | 1.5602 | 1.6794 | 0.8459 |
| | 1.4852 | 1.7339 | 1.7271 | 1.5533 | 1.2539 | 1.3932 | 1.2921 | 2.3259 |
| 9 | 1.2302 | 1.5525 | 1.4931 | 1.6809 | 1.4842 | 1.5497 | 1.6589 | 0.8393 |
| | 1.7339 | 1.4445 | 1.4810 | 1.3015 | 1.4705 | 1.4040 | 1.3084 | 2.3407 |
| 10 | 1.2809 | 1.4932 | 1.2625 | 1.3306 | 1.5924 | 1.4972 | 1.6416 | 0.7139 |
| | 1.7271 | 1.4808 | 1.7568 | 1.6523 | 1.3754 | 1.4567 | 1.3240 | 2.7769 |
| 11 | 1.4075 | 1.6814 | 1.3316 | 1.5556 | 1.2317 | 1.4555 | 1.4918 | 0.6500 |
| | 1.5533 | 1.3011 | 1.6508 | 1.4231 | 1.7609 | 1.4987 | 1.4702 | 3.0367 |
| 12 | 1.7353 | 1.4847 | 1.5948 | 1.2332 | 1.1010 | 1.2915 | 0.8860 | |
| | 1.2539 | 1.4699 | 1.3731 | 1.7578 | 1.5763 | 1.4292 | 2.1314 | |
| 13 | 1.5602 | 1.5497 | 1.5027 | 1.4635 | 1.2956 | 0.7871 | 0.4375 | |
| | 1.3932 | 1.4038 | 1.4511 | 1.4939 | 1.4266 | 1.9587 | 3.9353 | |
| 14 | 1.6794 | 1.6582 | 1.6490 | 1.5038 | 0.8913 | 0.4387 | | |
| | 1.2921 | 1.3099 | 1.3177 | 1.4568 | 2.1207 | 3.9274 | | |
| 15 | 0.8459 | 0.7591 | 0.7876 | 0.6648 | F-SUB-Q | | | |
| | 2.3259 | 2.6018 | 2.4872 | 2.9698 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3355 | 1.3003 | 1.3301 | 1.4611 | 1.8106 | 1.6198 | 1.7539 | 0.8812 |
| | 1.4844 | 1.7466 | 1.7422 | 1.5598 | 1.2488 | 1.3895 | 1.2810 | 2.3133 |
| 9 | 1.3003 | 1.6359 | 1.5546 | 1.7577 | 1.5420 | 1.6101 | 1.7374 | 0.8763 |
| | 1.7466 | 1.4466 | 1.4885 | 1.2986 | 1.4746 | 1.4001 | 1.2932 | 2.3234 |
| 10 | 1.3301 | 1.5548 | 1.3108 | 1.3881 | 1.6738 | 1.5672 | 1.7281 | 0.7505 |
| | 1.7422 | 1.4883 | 1.7725 | 1.6589 | 1.3699 | 1.4529 | 1.3102 | 2.7452 |
| 11 | 1.4611 | 1.7583 | 1.3893 | 1.6458 | 1.3075 | 1.5576 | 1.5898 | 0.6871 |
| | 1.5598 | 1.2981 | 1.6574 | 1.4165 | 1.7591 | 1.4816 | 1.4544 | 3.0132 |
| 12 | 1.8106 | 1.5426 | 1.6765 | 1.3091 | 1.2127 | 1.4229 | 0.9577 | |
| | 1.2488 | 1.4741 | 1.3676 | 1.7558 | 1.5804 | 1.4217 | 2.1132 | |
| 13 | 1.6198 | 1.6103 | 1.5731 | 1.5641 | 1.4273 | 0.8857 | 0.4760 | |
| | 1.3895 | 1.3998 | 1.4471 | 1.4767 | 1.4189 | 1.9615 | 3.9534 | |
| 14 | 1.7539 | 1.7356 | 1.7361 | 1.6024 | 0.9632 | 0.4773 | | |
| | 1.2810 | 1.2944 | 1.3038 | 1.4412 | 2.1024 | 3.9451 | | |
| 15 | 0.8812 | 0.7958 | 0.8263 | 0.7025 | F-SUB-Q | | | |
| | 2.3133 | 2.5721 | 2.4643 | 2.9471 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5254 | 1.3780 | 1.3782 | 1.5104 | 1.8852 | 1.6772 | 1.8283 | 0.9050 |
| | 1.4875 | 1.7639 | 1.7849 | 1.5907 | 1.2599 | 1.4046 | 1.2836 | 2.3544 |
| 9 | 1.3780 | 1.7252 | 1.6157 | 1.8342 | 1.5955 | 1.6689 | 1.8173 | 0.8997 |
| | 1.7639 | 1.4657 | 1.5177 | 1.3127 | 1.5009 | 1.4158 | 1.2945 | 2.3668 |
| 10 | 1.3782 | 1.6159 | 1.3585 | 1.4426 | 1.7590 | 1.6371 | 1.8162 | 0.7717 |
| | 1.7849 | 1.5174 | 1.8148 | 1.6913 | 1.3811 | 1.4677 | 1.3130 | 2.8058 |
| 11 | 1.5104 | 1.8348 | 1.4439 | 1.7487 | 1.3887 | 1.6687 | 1.6922 | 0.7114 |
| | 1.5907 | 1.3122 | 1.6897 | 1.4124 | 1.7644 | 1.4682 | 1.4564 | 3.0831 |
| 12 | 1.8852 | 1.5960 | 1.7620 | 1.3917 | 1.3815 | 1.5972 | 1.0213 | |
| | 1.2599 | 1.5003 | 1.3787 | 1.7609 | 1.5920 | 1.4214 | 2.1375 | |
| 13 | 1.6772 | 1.6693 | 1.6433 | 1.6748 | 1.6009 | 1.0112 | 0.5125 | |
| | 1.4046 | 1.4154 | 1.4618 | 1.4631 | 1.4186 | 1.9944 | 4.0456 | |
| 14 | 1.8283 | 1.8157 | 1.8251 | 1.7056 | 1.0270 | 0.5138 | | |
| | 1.2836 | 1.2956 | 1.3065 | 1.4430 | 2.1263 | 4.0372 | | |
| 15 | 0.9050 | 0.8158 | 0.8518 | 0.7272 | F-SUB-Q | | | |
| | 2.3544 | 2.6245 | 2.5125 | 3.0153 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7143 | 1.4584 | 1.4122 | 1.5437 | 1.9339 | 1.7157 | 1.8802 | 0.9229 |
| | 1.5203 | 1.8126 | 1.8653 | 1.6559 | 1.3027 | 1.4516 | 1.3180 | 2.4379 |
| 9 | 1.4584 | 1.7893 | 1.6583 | 1.8851 | 1.6318 | 1.7091 | 1.8716 | 0.9181 |
| | 1.8126 | 1.5006 | 1.5812 | 1.3602 | 1.5600 | 1.4633 | 1.3293 | 2.4502 |
| 10 | 1.4122 | 1.6587 | 1.3919 | 1.4817 | 1.8194 | 1.6880 | 1.8802 | 0.7900 |
| | 1.8653 | 1.5808 | 1.8967 | 1.7605 | 1.4269 | 1.5154 | 1.3489 | 2.9068 |
| 11 | 1.5437 | 1.8858 | 1.4831 | 1.8324 | 1.4545 | 1.7541 | 1.7703 | 0.7328 |
| | 1.6559 | 1.3597 | 1.7587 | 1.4391 | 1.8019 | 1.4888 | 1.4753 | 3.1953 |
| 12 | 1.9339 | 1.6323 | 1.8225 | 1.4576 | 1.5384 | 1.7432 | 1.0768 | |
| | 1.3027 | 1.5594 | 1.4243 | 1.7983 | 1.6216 | 1.4400 | 2.1760 | |
| 13 | 1.7157 | 1.7096 | 1.6947 | 1.7606 | 1.7471 | 1.1127 | 0.5446 | |
| | 1.4516 | 1.4628 | 1.5091 | 1.4835 | 1.4370 | 2.0415 | 4.1476 | |
| 14 | 1.8802 | 1.8701 | 1.8916 | 1.7843 | 1.0826 | 0.5459 | | |
| | 1.3180 | 1.3304 | 1.3419 | 1.4641 | 2.1645 | 4.1387 | | |
| 15 | 0.9229 | 0.8327 | 0.8728 | 0.7491 | F-SUB-Q | | | |
| | 2.4379 | 2.7169 | 2.6005 | 3.1247 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7982 | 1.5118 | 1.4396 | 1.5709 | 1.9778 | 1.7487 | 1.9275 | 0.9346 |
| | 1.5821 | 1.8926 | 1.9715 | 1.7449 | 1.3618 | 1.5180 | 1.3696 | 2.5624 |
| 9 | 1.5118 | 1.8422 | 1.6941 | 1.9304 | 1.6616 | 1.7443 | 1.9203 | 0.9287 |
| | 1.8926 | 1.5490 | 1.6659 | 1.4251 | 1.6410 | 1.5303 | 1.3813 | 2.5794 |
| 10 | 1.4396 | 1.6945 | 1.4191 | 1.5132 | 1.8727 | 1.7312 | 1.9384 | 0.8012 |
| | 1.9715 | 1.6654 | 2.0039 | 1.8547 | 1.4900 | 1.5834 | 1.4020 | 3.0612 |
| 11 | 1.5709 | 1.9311 | 1.5147 | 1.9001 | 1.5035 | 1.8245 | 1.8370 | 0.7473 |
| | 1.7449 | 1.4245 | 1.8528 | 1.4796 | 1.8640 | 1.5255 | 1.5027 | 3.3578 |
| 12 | 1.9778 | 1.6622 | 1.8763 | 1.5067 | 1.6239 | 1.8406 | 1.1133 | |
| | 1.3618 | 1.6404 | 1.4871 | 1.8600 | 1.6808 | 1.4824 | 2.2627 | |
| 13 | 1.7487 | 1.7474 | 1.7381 | 1.8313 | 1.8446 | 1.1697 | 0.5659 | |
| | 1.5180 | 1.5297 | 1.5767 | 1.5198 | 1.4793 | 2.1256 | 4.3267 | |
| 14 | 1.9275 | 1.9190 | 1.9504 | 1.8515 | 1.1192 | 0.5672 | | |
| | 1.3696 | 1.3823 | 1.3947 | 1.4908 | 2.2507 | 4.3174 | | |
| 15 | 0.9346 | 0.8425 | 0.8868 | 0.7638 | F-SUB-Q | | | |
| | 2.5624 | 2.8596 | 2.7336 | 3.2866 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8083 | 1.5211 | 1.4402 | 1.5701 | 1.9715 | 1.7477 | 1.9248 | 0.9449 |
| | 1.6820 | 2.0028 | 2.1069 | 1.8805 | 1.4693 | 1.6291 | 1.4703 | 2.7145 |
| 9 | 1.5211 | 1.8439 | 1.6936 | 1.9254 | 1.6615 | 1.7470 | 1.9189 | 0.9431 |
| | 2.0028 | 1.6460 | 1.7865 | 1.5408 | 1.7678 | 1.6423 | 1.4828 | 2.7208 |
| 10 | 1.4402 | 1.6941 | 1.4187 | 1.5167 | 1.8744 | 1.7380 | 1.9444 | 0.8194 |
| | 2.1069 | 1.7860 | 2.1364 | 1.9839 | 1.5880 | 1.6953 | 1.5041 | 3.2130 |
| 11 | 1.5701 | 1.9261 | 1.5183 | 1.9097 | 1.5183 | 1.8377 | 1.8506 | 0.7660 |
| | 1.8805 | 1.5402 | 1.9819 | 1.5617 | 1.9572 | 1.6052 | 1.5804 | 3.4700 |
| 12 | 1.9715 | 1.6621 | 1.8781 | 1.5216 | 1.6502 | 1.8671 | 1.1473 | |
| | 1.4693 | 1.7671 | 1.5848 | 1.9531 | 1.7822 | 1.5701 | 2.3384 | |
| 13 | 1.7477 | 1.7503 | 1.7451 | 1.8446 | 1.8712 | 1.2066 | 0.5844 | |
| | 1.6291 | 1.6416 | 1.6883 | 1.5991 | 1.5666 | 2.2307 | 4.5134 | |
| 14 | 1.9248 | 1.9178 | 1.9567 | 1.8654 | 1.1535 | 0.5857 | | |
| | 1.4703 | 1.4837 | 1.4961 | 1.5678 | 2.3257 | 4.5032 | | |
| 15 | 0.9449 | 0.8601 | 0.9033 | 0.7826 | F-SUB-Q | | | |
| | 2.7145 | 3.0011 | 2.8808 | 3.3979 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8509 | 1.5436 | 1.4546 | 1.5875 | 2.0124 | 1.7745 | 1.9699 | 0.9442 |
| | 1.7538 | 2.1066 | 2.2258 | 2.0118 | 1.5548 | 1.7282 | 1.5466 | 2.9202 |
| 9 | 1.5436 | 1.8844 | 1.7182 | 1.9650 | 1.6819 | 1.7764 | 1.9648 | 0.9400 |
| | 2.1066 | 1.7207 | 1.8779 | 1.6295 | 1.8875 | 1.7420 | 1.5593 | 2.9348 |
| 10 | 1.4546 | 1.7188 | 1.4342 | 1.5356 | 1.9186 | 1.7704 | 1.9955 | 0.8142 |
| | 2.2259 | 1.8773 | 2.2554 | 2.0893 | 1.6528 | 1.7704 | 1.5623 | 3.4795 |
| 11 | 1.5875 | 1.9658 | 1.5372 | 1.9572 | 1.5440 | 1.8897 | 1.9043 | 0.7626 |
| | 2.0118 | 1.6288 | 2.0870 | 1.6252 | 2.0510 | 1.6627 | 1.6355 | 3.7066 |
| 12 | 2.0124 | 1.6825 | 1.9226 | 1.5474 | 1.6914 | 1.9254 | 1.1529 | |
| | 1.5548 | 1.8868 | 1.6495 | 2.0467 | 1.8517 | 1.6213 | 2.4769 | |
| 13 | 1.7745 | 1.7800 | 1.7778 | 1.8970 | 1.9297 | 1.2178 | 0.5847 | |
| | 1.7282 | 1.7412 | 1.7630 | 1.6557 | 1.6177 | 2.3519 | 4.7939 | |
| 14 | 1.9699 | 1.9639 | 2.0084 | 1.9196 | 1.1591 | 0.5860 | | |
| | 1.5466 | 1.5602 | 1.5522 | 1.6224 | 2.4633 | 4.7832 | | |
| 15 | 0.9442 | 0.8535 | 0.9019 | 0.7796 | F-SUB-Q | | | |
| | 2.9202 | 3.2515 | 3.1048 | 3.6271 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8534 | 1.5416 | 1.4506 | 1.5847 | 2.0156 | 1.7758 | 1.9777 | 0.9428 |
| | 1.7865 | 2.1412 | 2.2579 | 2.0606 | 1.6202 | 1.8388 | 1.6515 | 3.1486 |
| 9 | 1.5416 | 1.8865 | 1.7166 | 1.9675 | 1.6801 | 1.7797 | 1.9732 | 0.9398 |
| | 2.1412 | 1.7474 | 1.9102 | 1.6629 | 1.9443 | 1.8402 | 1.6570 | 3.1601 |
| 10 | 1.4506 | 1.7173 | 1.4300 | 1.5343 | 1.9247 | 1.7759 | 2.0080 | 0.8148 |
| | 2.2579 | 1.9095 | 2.2930 | 2.1359 | 1.7051 | 1.8486 | 1.6359 | 3.6879 |
| 11 | 1.5847 | 1.9683 | 1.5360 | 1.9652 | 1.5480 | 1.9024 | 1.9194 | 0.7635 |
| | 2.0606 | 1.6622 | 2.1335 | 1.6767 | 2.1290 | 1.7336 | 1.7172 | 3.9182 |
| 12 | 2.0156 | 1.6808 | 1.9288 | 1.5515 | 1.7018 | 1.9419 | 1.1591 | |
| | 1.6202 | 1.9436 | 1.7015 | 2.1243 | 1.9501 | 1.7097 | 2.6147 | |
| 13 | 1.7758 | 1.7834 | 1.7836 | 1.9100 | 1.9463 | 1.2238 | 0.5857 | |
| | 1.8388 | 1.8364 | 1.8407 | 1.7267 | 1.7058 | 2.4939 | 5.1053 | |
| 14 | 1.9777 | 1.9731 | 2.0213 | 1.9351 | 1.1653 | 0.5870 | | |
| | 1.6515 | 1.6576 | 1.6252 | 1.7032 | 2.5999 | 5.0940 | | |
| 15 | 0.9428 | 0.8536 | 0.9028 | 0.7806 | F-SUB-Q | | | |
| | 3.1486 | 3.5006 | 3.2902 | 3.8340 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8226 | 1.5192 | 1.4323 | 1.5640 | 1.9852 | 1.7546 | 1.9529 | 0.9399 |
| | 1.7887 | 2.1382 | 2.2479 | 2.0496 | 1.6142 | 1.8247 | 1.6401 | 3.0989 |
| 9 | 1.5192 | 1.8560 | 1.6924 | 1.9373 | 1.6585 | 1.7600 | 1.9490 | 0.9393 |
| | 2.1382 | 1.7479 | 1.9048 | 1.6604 | 1.9339 | 1.8296 | 1.6466 | 3.1012 |
| 10 | 1.4323 | 1.6931 | 1.4087 | 1.5149 | 1.8974 | 1.7578 | 1.9868 | 0.8189 |
| | 2.2479 | 1.9040 | 2.2885 | 2.1270 | 1.7019 | 1.8378 | 1.6274 | 3.6044 |
| 11 | 1.5640 | 1.9381 | 1.5167 | 1.9394 | 1.5329 | 1.8806 | 1.9012 | 0.7681 |
| | 2.0496 | 1.6597 | 2.1246 | 1.6733 | 2.1176 | 1.7283 | 1.7083 | 3.8325 |
| 12 | 1.9852 | 1.6591 | 1.9015 | 1.5364 | 1.6869 | 1.9237 | 1.1639 | |
| | 1.6142 | 1.9331 | 1.6982 | 2.1127 | 1.9473 | 1.7041 | 2.5679 | |
| 13 | 1.7546 | 1.7639 | 1.7656 | 1.8882 | 1.9282 | 1.2259 | 0.5874 | |
| | 1.8247 | 1.8256 | 1.8297 | 1.7213 | 1.7000 | 2.4612 | 5.0465 | |
| 14 | 1.9529 | 1.9501 | 2.0003 | 1.9171 | 1.1703 | 0.5888 | | |
| | 1.6401 | 1.6471 | 1.6165 | 1.6942 | 2.5532 | 5.0343 | | |
| 15 | 0.9399 | 0.8576 | 0.9047 | 0.7850 | F-SUB-Q | | | |
| | 3.0989 | 3.4153 | 3.2255 | 3.7517 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8292 | 1.5144 | 1.4231 | 1.5585 | 1.9968 | 1.7576 | 1.9707 | 0.9266 |
| | 1.7216 | 2.0607 | 2.1656 | 1.9809 | 1.5544 | 1.7615 | 1.5725 | 3.0163 |
| 9 | 1.5144 | 1.8628 | 1.6909 | 1.9467 | 1.6546 | 1.7641 | 1.9671 | 0.9232 |
| | 2.0607 | 1.6752 | 1.8318 | 1.5938 | 1.8713 | 1.7683 | 1.5825 | 3.0259 |
| 10 | 1.4231 | 1.6917 | 1.4021 | 1.5100 | 1.9091 | 1.7637 | 2.0075 | 0.8020 |
| | 2.1656 | 1.8311 | 2.1996 | 2.0506 | 1.6360 | 1.7756 | 1.5638 | 3.5262 |
| 11 | 1.5585 | 1.9476 | 1.5118 | 1.9514 | 1.5312 | 1.8978 | 1.9227 | 0.7524 |
| | 1.9809 | 1.5931 | 2.0484 | 1.6094 | 2.0490 | 1.6620 | 1.6395 | 3.7398 |
| 12 | 1.9968 | 1.6553 | 1.9142 | 1.5348 | 1.6938 | 1.9433 | 1.1473 | |
| | 1.5544 | 1.8707 | 1.6326 | 2.0445 | 1.8890 | 1.6413 | 2.5127 | |
| 13 | 1.7576 | 1.7683 | 1.7717 | 1.9058 | 1.9479 | 1.2116 | 0.5753 | |
| | 1.7615 | 1.7645 | 1.7682 | 1.6557 | 1.6376 | 2.4070 | 4.9225 | |
| 14 | 1.9707 | 1.9695 | 2.0216 | 1.9391 | 1.1538 | 0.5767 | | |
| | 1.5725 | 1.5828 | 1.5538 | 1.6265 | 2.4987 | 4.9113 | | |
| 15 | 0.9266 | 0.8400 | 0.8906 | 0.7696 | F-SUB-Q | | | |
| | 3.0163 | 3.3428 | 3.1409 | 3.6607 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8089 | 1.4938 | 1.4030 | 1.5388 | 1.9792 | 1.7410 | 1.9594 | 0.9124 |
| | 1.5939 | 1.9140 | 2.0074 | 1.8293 | 1.4307 | 1.6277 | 1.4481 | 2.7948 |
| 9 | 1.4938 | 1.8431 | 1.6705 | 1.9285 | 1.6344 | 1.7484 | 1.9561 | 0.9094 |
| | 1.9140 | 1.5528 | 1.6944 | 1.4681 | 1.7279 | 1.6321 | 1.4546 | 2.8043 |
| 10 | 1.4030 | 1.6713 | 1.3818 | 1.4905 | 1.8936 | 1.7491 | 1.9988 | 0.7890 |
| | 2.0074 | 1.6936 | 2.0411 | 1.8993 | 1.5123 | 1.6403 | 1.4394 | 3.2734 |
| 11 | 1.5388 | 1.9294 | 1.4924 | 1.9350 | 1.5147 | 1.8860 | 1.9156 | 0.7409 |
| | 1.8293 | 1.4675 | 1.8971 | 1.4889 | 1.9012 | 1.5351 | 1.5117 | 3.4830 |
| 12 | 1.9792 | 1.6351 | 1.8988 | 1.5183 | 1.6804 | 1.9341 | 1.1317 | |
| | 1.4307 | 1.7273 | 1.5090 | 1.8970 | 1.7464 | 1.5126 | 2.3358 | |
| 13 | 1.7410 | 1.7526 | 1.7574 | 1.8951 | 1.9389 | 1.1961 | 0.5649 | |
| | 1.6277 | 1.6285 | 1.6333 | 1.5285 | 1.5091 | 2.2372 | 4.5996 | |
| 14 | 1.9594 | 1.9595 | 2.0132 | 1.9322 | 1.1382 | 0.5662 | | |
| | 1.4481 | 1.4548 | 1.4299 | 1.4994 | 2.3226 | 4.5888 | | |
| 15 | 0.9124 | 0.8264 | 0.8778 | 0.7579 | F-SUB-Q | | | |
| | 2.7948 | 3.0977 | 2.9105 | 3.4086 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7725 | 1.4631 | 1.3747 | 1.5087 | 1.9441 | 1.7115 | 1.9289 | 0.8967 |
| | 1.4827 | 1.7795 | 1.8707 | 1.7074 | 1.3328 | 1.5184 | 1.3487 | 2.6118 |
| 9 | 1.4631 | 1.8076 | 1.6391 | 1.8933 | 1.6034 | 1.7197 | 1.9259 | 0.8947 |
| | 1.7795 | 1.4399 | 1.5769 | 1.3681 | 1.6118 | 1.5197 | 1.3534 | 2.6138 |
| 10 | 1.3747 | 1.6399 | 1.3535 | 1.4614 | 1.8600 | 1.7208 | 1.9699 | 0.7776 |
| | 1.8707 | 1.5761 | 1.9019 | 1.7698 | 1.4066 | 1.5252 | 1.3352 | 3.0450 |
| 11 | 1.5087 | 1.8942 | 1.4632 | 1.9014 | 1.4869 | 1.8547 | 1.8880 | 0.7293 |
| | 1.7074 | 1.3675 | 1.7676 | 1.3809 | 1.7661 | 1.4248 | 1.3992 | 3.2342 |
| 12 | 1.9441 | 1.6041 | 1.8653 | 1.4905 | 1.6533 | 1.9056 | 1.1171 | |
| | 1.3328 | 1.6112 | 1.4035 | 1.7620 | 1.6260 | 1.4058 | 2.1635 | |
| 13 | 1.7115 | 1.7242 | 1.7291 | 1.8659 | 1.9104 | 1.1783 | 0.5553 | |
| | 1.5184 | 1.5162 | 1.5184 | 1.4166 | 1.4025 | 2.0827 | 4.2891 | |
| 14 | 1.9289 | 1.9299 | 1.9845 | 1.9048 | 1.1236 | 0.5566 | | |
| | 1.3487 | 1.3534 | 1.3261 | 1.3876 | 2.1510 | 4.2788 | | |
| 15 | 0.8967 | 0.8145 | 0.8648 | 0.7463 | F-SUB-Q | | | |
| | 2.6118 | 2.8857 | 2.7084 | 3.1644 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7148 | 1.4202 | 1.3409 | 1.4677 | 1.8854 | 1.6659 | 1.8738 | 0.8795 |
| | 1.5161 | 1.8171 | 1.9110 | 1.7478 | 1.3695 | 1.5565 | 1.3851 | 2.6620 |
| 9 | 1.4202 | 1.7507 | 1.5932 | 1.8355 | 1.5593 | 1.6752 | 1.8710 | 0.8798 |
| | 1.8171 | 1.4758 | 1.6143 | 1.4032 | 1.6507 | 1.5536 | 1.3889 | 2.6564 |
| 10 | 1.3409 | 1.5941 | 1.3144 | 1.4206 | 1.8027 | 1.6755 | 1.9161 | 0.7679 |
| | 1.9110 | 1.6134 | 1.9500 | 1.8120 | 1.4453 | 1.5594 | 1.3661 | 3.0740 |
| 11 | 1.4677 | 1.8364 | 1.4225 | 1.8442 | 1.4470 | 1.7997 | 1.8363 | 0.7205 |
| | 1.7478 | 1.4025 | 1.8097 | 1.4135 | 1.8021 | 1.4583 | 1.4296 | 3.2638 |
| 12 | 1.8854 | 1.5600 | 1.8079 | 1.4507 | 1.6097 | 1.8531 | 1.1006 | |
| | 1.3695 | 1.6500 | 1.4420 | 1.7979 | 1.6484 | 1.4279 | 2.1764 | |
| 13 | 1.6659 | 1.6798 | 1.6840 | 1.8120 | 1.8579 | 1.1587 | 0.5464 | |
| | 1.5565 | 1.5498 | 1.5518 | 1.4490 | 1.4245 | 2.0892 | 4.3128 | |
| 14 | 1.8738 | 1.8755 | 1.9307 | 1.8529 | 1.1071 | 0.5478 | | |
| | 1.3851 | 1.3888 | 1.3565 | 1.4175 | 2.1638 | 4.3023 | | |
| 15 | 0.8795 | 0.8042 | 0.8516 | 0.7371 | F-SUB-Q | | | |
| | 2.6620 | 2.9208 | 2.7417 | 3.1943 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6925 | 1.3933 | 1.3095 | 1.4386 | 1.8649 | 1.6408 | 1.8578 | 0.8499 |
| | 1.4196 | 1.7164 | 1.8159 | 1.6594 | 1.2888 | 1.4734 | 1.3018 | 2.5715 |
| 9 | 1.3933 | 1.7295 | 1.5670 | 1.8144 | 1.5302 | 1.6499 | 1.8550 | 0.8481 |
| | 1.7164 | 1.3841 | 1.5246 | 1.3198 | 1.5657 | 1.4682 | 1.3047 | 2.5729 |
| 10 | 1.3095 | 1.5679 | 1.2883 | 1.3919 | 1.7814 | 1.6512 | 1.9010 | 0.7359 |
| | 1.8159 | 1.5238 | 1.8474 | 1.7181 | 1.3583 | 1.4707 | 1.2787 | 2.9888 |
| 11 | 1.4386 | 1.8153 | 1.3938 | 1.8227 | 1.4188 | 1.7828 | 1.8212 | 0.6904 |
| | 1.6594 | 1.3191 | 1.7159 | 1.3265 | 1.7061 | 1.3661 | 1.3375 | 3.1649 |
| 12 | 1.8649 | 1.5308 | 1.7867 | 1.4224 | 1.5863 | 1.8366 | 1.0600 | |
| | 1.2888 | 1.5651 | 1.3550 | 1.7021 | 1.5454 | 1.3343 | 2.0985 | |
| 13 | 1.6408 | 1.6546 | 1.6596 | 1.7952 | 1.8415 | 1.1217 | 0.5236 | |
| | 1.4734 | 1.4643 | 1.4634 | 1.3571 | 1.3309 | 1.9976 | 4.1788 | |
| 14 | 1.8578 | 1.8601 | 1.9157 | 1.8380 | 1.0664 | 0.5249 | | |
| | 1.3018 | 1.3032 | 1.2694 | 1.3259 | 2.0860 | 4.1686 | | |
| 15 | 0.8499 | 0.7709 | 0.8209 | 0.7068 | F-SUB-Q | | | |
| | 2.5715 | 2.8438 | 2.6500 | 3.0953 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6332 | 1.3457 | 1.2660 | 1.3900 | 1.8041 | 1.5891 | 1.7986 | 0.8193 |
| | 1.3737 | 1.6632 | 1.7648 | 1.6150 | 1.2532 | 1.4316 | 1.2648 | 2.5149 |
| 9 | 1.3457 | 1.6714 | 1.5167 | 1.7537 | 1.4789 | 1.5981 | 1.7958 | 0.8176 |
| | 1.6632 | 1.3408 | 1.4795 | 1.2827 | 1.5233 | 1.4249 | 1.2673 | 2.5148 |
| 10 | 1.2660 | 1.5177 | 1.2453 | 1.3439 | 1.7195 | 1.5988 | 1.8417 | 0.7089 |
| | 1.7648 | 1.4786 | 1.7953 | 1.6714 | 1.3206 | 1.4264 | 1.2386 | 2.9209 |
| 11 | 1.3900 | 1.7546 | 1.3458 | 1.7616 | 1.3699 | 1.7226 | 1.7627 | 0.6648 |
| | 1.6150 | 1.2821 | 1.6693 | 1.2854 | 1.6550 | 1.3243 | 1.2947 | 3.0892 |
| 12 | 1.8041 | 1.4796 | 1.7247 | 1.3735 | 1.5359 | 1.7785 | 1.0223 | |
| | 1.2532 | 1.5227 | 1.3174 | 1.6510 | 1.4884 | 1.2864 | 2.0361 | |
| 13 | 1.5891 | 1.6027 | 1.6071 | 1.7348 | 1.7833 | 1.0838 | 0.5040 | |
| | 1.4316 | 1.4210 | 1.4190 | 1.3154 | 1.2832 | 1.9311 | 4.0642 | |
| 14 | 1.7986 | 1.8009 | 1.8565 | 1.7793 | 1.0285 | 0.5052 | | |
| | 1.2648 | 1.2649 | 1.2293 | 1.2832 | 2.0238 | 4.0541 | | |
| 15 | 0.8193 | 0.7427 | 0.7917 | 0.6808 | F-SUB-Q | | | |
| | 2.5149 | 2.7823 | 2.5867 | 3.0203 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5301 | 1.2738 | 1.2066 | 1.3180 | 1.6951 | 1.5057 | 1.6878 | 0.7855 |
| | 1.3888 | 1.6657 | 1.7622 | 1.6183 | 1.2663 | 1.4347 | 1.2800 | 2.4965 |
| 9 | 1.2738 | 1.5695 | 1.4375 | 1.6460 | 1.4013 | 1.5147 | 1.6851 | 0.7861 |
| | 1.6657 | 1.3532 | 1.4815 | 1.2971 | 1.5268 | 1.4270 | 1.2823 | 2.4892 |
| 10 | 1.2066 | 1.4384 | 1.1824 | 1.2731 | 1.6105 | 1.5136 | 1.7299 | 0.6853 |
| | 1.7622 | 1.4806 | 1.7956 | 1.6749 | 1.3366 | 1.4294 | 1.2504 | 2.8740 |
| 11 | 1.3180 | 1.6469 | 1.2748 | 1.6541 | 1.2968 | 1.6115 | 1.6525 | 0.6420 |
| | 1.6183 | 1.2964 | 1.6727 | 1.2969 | 1.6571 | 1.3410 | 1.3084 | 3.0398 |
| 12 | 1.6951 | 1.4019 | 1.6154 | 1.3002 | 1.4535 | 1.6710 | 0.9845 | |
| | 1.2663 | 1.5262 | 1.3333 | 1.6529 | 1.4868 | 1.2944 | 2.0029 | |
| 13 | 1.5057 | 1.5192 | 1.5216 | 1.6231 | 1.6755 | 1.0426 | 0.4866 | |
| | 1.4347 | 1.4231 | 1.4217 | 1.3318 | 1.2911 | 1.8985 | 3.9893 | |
| 14 | 1.6878 | 1.6896 | 1.7440 | 1.6684 | 0.9906 | 0.4879 | | |
| | 1.2800 | 1.2795 | 1.2408 | 1.2965 | 1.9906 | 3.9793 | | |
| 15 | 0.7855 | 0.7183 | 0.7622 | 0.6574 | F-SUB-Q | | | |
| | 2.4965 | 2.7384 | 2.5554 | 2.9718 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4446 | 1.2087 | 1.1421 | 1.2478 | 1.6032 | 1.4307 | 1.5958 | 0.7339 |
| | 1.4091 | 1.6822 | 1.7822 | 1.6387 | 1.2833 | 1.4482 | 1.2986 | 2.5671 |
| 9 | 1.2087 | 1.4841 | 1.3662 | 1.5556 | 1.3278 | 1.4379 | 1.5915 | 0.7320 |
| | 1.6822 | 1.3709 | 1.4950 | 1.3154 | 1.5448 | 1.4408 | 1.3014 | 2.5672 |
| 10 | 1.1421 | 1.3671 | 1.1244 | 1.2060 | 1.5204 | 1.4372 | 1.6355 | 0.6334 |
| | 1.7822 | 1.4940 | 1.8112 | 1.6959 | 1.3558 | 1.4420 | 1.2666 | 2.9860 |
| 11 | 1.2478 | 1.5564 | 1.2077 | 1.5642 | 1.2278 | 1.5175 | 1.5583 | 0.5931 |
| | 1.6387 | 1.3147 | 1.6936 | 1.3131 | 1.6760 | 1.3616 | 1.3283 | 3.1581 |
| 12 | 1.6032 | 1.3284 | 1.5246 | 1.2310 | 1.3798 | 1.5799 | 0.9139 | |
| | 1.2833 | 1.5442 | 1.3524 | 1.6718 | 1.4978 | 1.3092 | 2.0669 | |
| 13 | 1.4307 | 1.4420 | 1.4448 | 1.5287 | 1.5842 | 0.9749 | 0.4523 | |
| | 1.4482 | 1.4368 | 1.4347 | 1.3534 | 1.3058 | 1.9433 | 4.1160 | |
| 14 | 1.5958 | 1.5954 | 1.6489 | 1.5735 | 0.9196 | 0.4535 | | |
| | 1.2986 | 1.2984 | 1.2567 | 1.3159 | 2.0540 | 4.1057 | | |
| 15 | 0.7339 | 0.6647 | 0.7090 | 0.6079 | F-SUB-Q | | | |
| | 2.5671 | 2.8429 | 2.6380 | 3.0846 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2994 | 1.1014 | 1.0345 | 1.1330 | 1.4324 | 1.2929 | 1.4232 | 0.6691 |
| | 1.5145 | 1.7861 | 1.9052 | 1.7463 | 1.3892 | 1.5501 | 1.4088 | 2.7303 |
| 9 | 1.1014 | 1.3292 | 1.2351 | 1.3920 | 1.2058 | 1.2981 | 1.4180 | 0.6676 |
| | 1.7861 | 1.4806 | 1.6003 | 1.4218 | 1.6456 | 1.5434 | 1.4139 | 2.7291 |
| 10 | 1.0345 | 1.2359 | 1.0186 | 1.0986 | 1.3631 | 1.2980 | 1.4560 | 0.5737 |
| | 1.9052 | 1.5993 | 1.9357 | 1.8027 | 1.4621 | 1.5436 | 1.3756 | 3.1961 |
| 11 | 1.1330 | 1.3927 | 1.1001 | 1.4034 | 1.1199 | 1.3581 | 1.3896 | 0.5372 |
| | 1.7463 | 1.4210 | 1.8003 | 1.4149 | 1.7767 | 1.4699 | 1.4397 | 3.3805 |
| 12 | 1.4324 | 1.2064 | 1.3671 | 1.1227 | 1.2475 | 1.4110 | 0.8308 | |
| | 1.3892 | 1.6448 | 1.4580 | 1.7725 | 1.6013 | 1.4165 | 2.2002 | |
| 13 | 1.2929 | 1.3018 | 1.3048 | 1.3644 | 1.4148 | 0.8826 | 0.4101 | |
| | 1.5501 | 1.5394 | 1.5359 | 1.4634 | 1.4129 | 2.0767 | 4.4014 | |
| 14 | 1.4232 | 1.4201 | 1.4678 | 1.4031 | 0.8359 | 0.4111 | | |
| | 1.4088 | 1.4115 | 1.3649 | 1.4264 | 2.1868 | 4.3906 | | |
| 15 | 0.6691 | 0.6047 | 0.6447 | 0.5505 | F-SUB-Q | | | |
| | 2.7303 | 3.0303 | 2.8123 | 3.3021 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 100 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1553 | 0.8940 | 0.8224 | 0.9116 | 1.2263 | 1.0224 | 1.2103 | 0.5469 |
| | 1.6612 | 2.1462 | 2.3395 | 2.1177 | 1.5804 | 1.9106 | 1.6142 | 3.2655 |
| 9 | 0.8940 | 1.1480 | 0.9884 | 1.2021 | 0.9744 | 1.0262 | 1.2077 | 0.5498 |
| | 2.1462 | 1.6732 | 1.9501 | 1.6071 | 1.9862 | 1.9034 | 1.6178 | 3.2399 |
| 10 | 0.8224 | 0.9891 | 0.8070 | 0.8929 | 1.2127 | 1.0294 | 1.1956 | 0.4661 |
| | 2.3395 | 1.9489 | 2.3854 | 2.1630 | 1.6014 | 1.8956 | 1.6334 | 3.8463 |
| 11 | 0.9116 | 1.2028 | 0.8941 | 1.2180 | 0.9123 | 1.2040 | 1.1350 | 0.4371 |
| | 2.1177 | 1.6064 | 2.1603 | 1.5903 | 2.1265 | 1.6162 | 1.7176 | 4.0623 |
| 12 | 1.2263 | 0.9748 | 1.2158 | 0.9145 | 1.0010 | 1.1597 | 0.6837 | |
| | 1.5804 | 1.9854 | 1.5976 | 2.1216 | 1.9458 | 1.6799 | 2.6106 | |
| 13 | 1.0224 | 1.0289 | 1.0361 | 1.2088 | 1.1626 | 0.7118 | 0.3304 | |
| | 1.9106 | 1.8986 | 1.8839 | 1.6100 | 1.6758 | 2.5140 | 5.3446 | |
| 14 | 1.2103 | 1.2073 | 1.2043 | 1.1451 | 0.6876 | 0.3312 | | |
| | 1.6142 | 1.6183 | 1.6220 | 1.7029 | 2.5956 | 5.3316 | | |
| 15 | 0.5469 | 0.4933 | 0.5263 | 0.4469 | F-SUB-Q | | | |
| | 3.2655 | 3.6318 | 3.3676 | 3.9771 | M-SUB-Q | | | |

AT 75% POWER, 100 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4454 | 0.3755 | 0.3518 | 0.3899 | 0.4683 | 0.3945 | 0.4307 | 0.2235 |
| | 4.2190 | 5.0080 | 5.3622 | 4.8539 | 4.0505 | 4.8441 | 4.4399 | 7.8413 |
| 9 | 0.3755 | 0.4365 | 0.3856 | 0.4557 | 0.4057 | 0.3952 | 0.4294 | 0.2240 |
| | 5.0080 | 4.3118 | 4.8979 | 4.1507 | 4.6740 | 4.8350 | 4.4524 | 7.8036 |
| 10 | 0.3518 | 0.3858 | 0.3452 | 0.3841 | 0.4636 | 0.4002 | 0.4227 | 0.2056 |
| | 5.3622 | 4.8950 | 5.4684 | 4.9303 | 4.0955 | 4.7594 | 4.5217 | 8.5622 |
| 11 | 0.3899 | 0.4559 | 0.3846 | 0.4498 | 0.3910 | 0.4539 | 0.4001 | 0.1833 |
| | 4.8539 | 4.1486 | 4.9245 | 4.2152 | 4.8636 | 4.1970 | 4.7736 | 9.5157 |
| 12 | 0.4683 | 0.4059 | 0.4645 | 0.3919 | 0.3830 | 0.4121 | 0.2767 | |
| | 4.0505 | 4.6720 | 4.0878 | 4.8526 | 4.9782 | 4.6276 | 6.3273 | |
| 13 | 0.3945 | 0.3962 | 0.4016 | 0.4557 | 0.4132 | 0.2845 | 0.1422 | |
| | 4.8441 | 4.8229 | 4.7437 | 4.1810 | 4.6155 | 6.1666 | *12.2039 | |
| 14 | 0.4307 | 0.4294 | 0.4257 | 0.4036 | 0.2783 | 0.1425 | | |
| | 4.4399 | 4.4528 | 4.4907 | 4.7329 | 6.2910 | *12.1738 | | |
| 15 | 0.2235 | 0.2142 | 0.2159 | 0.1878 | F-SUB-Q | | | |
| | 7.8413 | 8.2092 | 8.0580 | 9.2945 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3291 | 0.3608 | 0.3891 | 0.4359 | 0.5108 | 0.4448 | 0.4653 | 0.2572 |
| | 4.2907 | 5.0084 | 5.0034 | 4.4391 | 3.8018 | 4.3477 | 4.2514 | 6.9532 |
| 9 | 0.3608 | 0.4401 | 0.4189 | 0.4960 | 0.4539 | 0.4393 | 0.4611 | 0.2569 |
| | 5.0084 | 4.4668 | 4.6713 | 3.9160 | 4.2625 | 4.4019 | 4.2871 | 6.9440 |
| 10 | 0.3891 | 0.4190 | 0.3843 | 0.4168 | 0.4843 | 0.4245 | 0.4383 | 0.2283 |
| | 5.0034 | 4.6701 | 5.1652 | 4.6644 | 4.0016 | 4.5229 | 4.4097 | 7.6887 |
| 11 | 0.4359 | 0.4961 | 0.4171 | 0.4451 | 0.3874 | 0.4327 | 0.3968 | 0.2005 |
| | 4.4391 | 3.9151 | 4.6620 | 4.4027 | 4.9495 | 4.4237 | 4.8496 | 8.6267 |
| 12 | 0.5108 | 0.4540 | 0.4847 | 0.3877 | 0.3103 | 0.3390 | 0.2573 | |
| | 3.8018 | 4.2612 | 3.9976 | 4.9459 | 4.9237 | 4.7490 | 6.3936 | |
| 13 | 0.4448 | 0.4394 | 0.4252 | 0.4338 | 0.3400 | 0.2185 | 0.1334 | |
| | 4.3477 | 4.4005 | 4.5149 | 4.4151 | 4.7422 | 5.9533 | *11.0001 | |
| 14 | 0.4653 | 0.4604 | 0.4399 | 0.3991 | 0.2585 | 0.1337 | | |
| | 4.2514 | 4.2937 | 4.3941 | 4.8226 | 6.3693 | *10.9830 | | |
| 15 | 0.2572 | 0.2409 | 0.2399 | 0.2046 | F-SUB-Q | | | |
| | 6.9532 | 7.4107 | 7.2576 | 8.4630 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7748 | 0.7975 | 0.8436 | 0.9452 | 1.1972 | 1.0415 | 1.1601 | 0.6032 |
| | 1.8895 | 2.3226 | 2.3801 | 2.1137 | 1.6755 | 1.9136 | 1.7538 | 3.0521 |
| 9 | 0.7975 | 1.0433 | 0.9808 | 1.1671 | 1.0038 | 1.0331 | 1.1507 | 0.5997 |
| | 2.3226 | 1.9323 | 2.0521 | 1.7169 | 1.9903 | 1.9364 | 1.7521 | 3.0316 |
| 10 | 0.8436 | 0.9810 | 0.8331 | 0.9040 | 1.1386 | 0.9950 | 1.0998 | 0.5037 |
| | 2.3801 | 2.0517 | 2.4355 | 2.2111 | 1.7538 | 1.9935 | 1.8112 | 3.5864 |
| 11 | 0.9452 | 1.1674 | 0.9045 | 1.0808 | 0.8406 | 1.0317 | 0.9879 | 0.4613 |
| | 2.1137 | 1.7165 | 2.2099 | 1.8493 | 2.3219 | 1.8965 | 2.0058 | 3.8711 |
| 12 | 1.1972 | 1.0041 | 1.1397 | 0.8413 | 0.7262 | 0.8478 | 0.6076 | |
| | 1.6755 | 1.9897 | 1.7520 | 2.3191 | 2.1243 | 1.9369 | 2.7707 | |
| 13 | 1.0415 | 1.0327 | 0.9965 | 1.0343 | 0.8502 | 0.5173 | 0.3030 | |
| | 1.9136 | 1.9369 | 1.9902 | 1.8928 | 1.9344 | 2.5711 | 4.9655 | |
| 14 | 1.1601 | 1.1486 | 1.1039 | 0.9940 | 0.6104 | 0.3036 | | |
| | 1.7538 | 1.7551 | 1.8044 | 1.9935 | 2.7605 | 4.9582 | | |
| 15 | 0.6032 | 0.5392 | 0.5591 | 0.4696 | F-SUB-Q | | | |
| | 3.0521 | 3.3913 | 3.2047 | 3.8056 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9415 | 0.9833 | 1.0431 | 1.1673 | 1.4227 | 1.2912 | 1.3801 | 0.7468 |
| | 1.6660 | 1.9402 | 1.9722 | 1.7539 | 1.4406 | 1.5763 | 1.4857 | 2.4837 |
| 9 | 0.9833 | 1.2344 | 1.2061 | 1.3805 | 1.2343 | 1.2839 | 1.3692 | 0.7421 |
| | 1.9402 | 1.6752 | 1.7067 | 1.4856 | 1.6573 | 1.5871 | 1.4949 | 2.4908 |
| 10 | 1.0431 | 1.2062 | 1.0331 | 1.1121 | 1.3336 | 1.2388 | 1.3334 | 0.6325 |
| | 1.9722 | 1.7065 | 1.9919 | 1.8385 | 1.5335 | 1.6372 | 1.5282 | 2.9169 |
| 11 | 1.1673 | 1.3808 | 1.1128 | 1.2720 | 1.0333 | 1.2133 | 1.2135 | 0.5752 |
| | 1.7539 | 1.4853 | 1.8374 | 1.6050 | 1.9297 | 1.6547 | 1.6738 | 3.1819 |
| 12 | 1.4227 | 1.2346 | 1.3350 | 1.0342 | 0.8977 | 1.0337 | 0.7566 | |
| | 1.4406 | 1.6568 | 1.5318 | 1.9272 | 1.7706 | 1.6336 | 2.2776 | |
| 13 | 1.2912 | 1.2834 | 1.2421 | 1.2167 | 1.0368 | 0.6425 | 0.3808 | |
| | 1.5763 | 1.5876 | 1.6325 | 1.6509 | 1.6315 | 2.1318 | 4.0566 | |
| 14 | 1.3801 | 1.3669 | 1.3378 | 1.2214 | 0.7603 | 0.3817 | | |
| | 1.4857 | 1.4973 | 1.5231 | 1.6629 | 2.2688 | 4.0505 | | |
| 15 | 0.7468 | 0.6749 | 0.6936 | 0.5870 | F-SUB-Q | | | |
| | 2.4837 | 2.7404 | 2.6388 | 3.1200 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0851 | 1.0965 | 1.1602 | 1.3033 | 1.6338 | 1.4514 | 1.5939 | 0.8194 |
| | 1.4935 | 1.7922 | 1.8263 | 1.6156 | 1.2876 | 1.4352 | 1.3144 | 2.3134 |
| 9 | 1.0965 | 1.4181 | 1.3539 | 1.5874 | 1.3795 | 1.4429 | 1.5822 | 0.8128 |
| | 1.7922 | 1.5012 | 1.5650 | 1.3277 | 1.5245 | 1.4469 | 1.3234 | 2.3259 |
| 10 | 1.1602 | 1.3540 | 1.1509 | 1.2426 | 1.5357 | 1.3994 | 1.5387 | 0.6933 |
| | 1.8263 | 1.5648 | 1.8396 | 1.6940 | 1.3702 | 1.4891 | 1.3590 | 2.7313 |
| 11 | 1.3033 | 1.5877 | 1.2433 | 1.4654 | 1.1576 | 1.4084 | 1.4081 | 0.6314 |
| | 1.6156 | 1.3274 | 1.6930 | 1.4312 | 1.7712 | 1.4673 | 1.4829 | 2.9844 |
| 12 | 1.6338 | 1.3798 | 1.5374 | 1.1592 | 1.0082 | 1.2001 | 0.8406 | |
| | 1.2876 | 1.5240 | 1.3686 | 1.7688 | 1.6154 | 1.4558 | 2.1188 | |
| 13 | 1.4514 | 1.4424 | 1.4033 | 1.4148 | 1.2037 | 0.7174 | 0.4184 | |
| | 1.4352 | 1.4473 | 1.4848 | 1.4638 | 1.4538 | 1.9862 | 3.8339 | |
| 14 | 1.5939 | 1.5797 | 1.5438 | 1.4173 | 0.8446 | 0.4193 | | |
| | 1.3144 | 1.3254 | 1.3544 | 1.4729 | 2.1104 | 3.8282 | | |
| 15 | 0.8194 | 0.7357 | 0.7605 | 0.6442 | F-SUB-Q | | | |
| | 2.3134 | 2.5713 | 2.4701 | 2.9263 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1700 | 1.1580 | 1.2212 | 1.3719 | 1.7443 | 1.5307 | 1.7076 | 0.8641 |
| | 1.4475 | 1.7651 | 1.7983 | 1.5842 | 1.2436 | 1.4043 | 1.2643 | 2.2633 |
| 9 | 1.1580 | 1.5147 | 1.4275 | 1.6957 | 1.4540 | 1.5212 | 1.6964 | 0.8593 |
| | 1.7651 | 1.4578 | 1.5380 | 1.2830 | 1.4925 | 1.4172 | 1.2729 | 2.2709 |
| 10 | 1.2212 | 1.4276 | 1.2073 | 1.3128 | 1.6479 | 1.4854 | 1.6546 | 0.7363 |
| | 1.7983 | 1.5379 | 1.8195 | 1.6589 | 1.3188 | 1.4478 | 1.3039 | 2.6574 |
| 11 | 1.3719 | 1.6960 | 1.3136 | 1.5742 | 1.2346 | 1.5303 | 1.5264 | 0.6718 |
| | 1.5842 | 1.2827 | 1.6578 | 1.3817 | 1.7311 | 1.4065 | 1.4162 | 2.8970 |
| 12 | 1.7443 | 1.4543 | 1.6497 | 1.2365 | 1.0805 | 1.3107 | 0.9063 | |
| | 1.2436 | 1.4921 | 1.3172 | 1.7287 | 1.5794 | 1.4028 | 2.0570 | |
| 13 | 1.5307 | 1.5208 | 1.4895 | 1.5371 | 1.3146 | 0.7762 | 0.4483 | |
| | 1.4043 | 1.4174 | 1.4434 | 1.4032 | 1.4008 | 1.9447 | 3.7790 | |
| 14 | 1.7076 | 1.6939 | 1.6610 | 1.5361 | 0.9105 | 0.4492 | | |
| | 1.2643 | 1.2751 | 1.2986 | 1.4068 | 2.0490 | 3.7733 | | |
| 15 | 0.8641 | 0.7793 | 0.8058 | 0.6851 | F-SUB-Q | | | |
| | 2.2633 | 2.5060 | 2.4081 | 2.8415 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2450 | 1.2063 | 1.2629 | 1.4115 | 1.8040 | 1.5743 | 1.7724 | 0.8932 |
| | 1.4548 | 1.7879 | 1.8150 | 1.6013 | 1.2470 | 1.4103 | 1.2581 | 2.2631 |
| 9 | 1.2063 | 1.5766 | 1.4716 | 1.7568 | 1.4963 | 1.5658 | 1.7626 | 0.8903 |
| | 1.7879 | 1.4660 | 1.5572 | 1.2882 | 1.5072 | 1.4229 | 1.2657 | 2.2659 |
| 10 | 1.2629 | 1.4718 | 1.2412 | 1.3569 | 1.7175 | 1.5400 | 1.7274 | 0.7681 |
| | 1.8150 | 1.5570 | 1.8474 | 1.6756 | 1.3205 | 1.4532 | 1.2978 | 2.6405 |
| 11 | 1.4115 | 1.7572 | 1.3577 | 1.6543 | 1.2959 | 1.6167 | 1.6087 | 0.7049 |
| | 1.6013 | 1.2879 | 1.6745 | 1.3790 | 1.7362 | 1.3959 | 1.4099 | 2.8861 |
| 12 | 1.8040 | 1.4966 | 1.7194 | 1.2979 | 1.1598 | 1.4080 | 0.9656 | |
| | 1.2470 | 1.5068 | 1.3189 | 1.7338 | 1.5906 | 1.4005 | 2.0470 | |
| 13 | 1.5743 | 1.5655 | 1.5442 | 1.6237 | 1.4112 | 0.8427 | 0.4793 | |
| | 1.4103 | 1.4231 | 1.4488 | 1.3926 | 1.3984 | 1.9552 | 3.8070 | |
| 14 | 1.7724 | 1.7596 | 1.7341 | 1.6186 | 0.9698 | 0.4803 | | |
| | 1.2581 | 1.2677 | 1.2924 | 1.4007 | 2.0390 | 3.8012 | | |
| 15 | 0.8932 | 0.8106 | 0.8385 | 0.7190 | F-SUB-Q | | | |
| | 2.2631 | 2.4905 | 2.3992 | 2.8297 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3874 | 1.2655 | 1.2921 | 1.4457 | 1.8633 | 1.6145 | 1.8360 | 0.9098 |
| | 1.4682 | 1.8190 | 1.8752 | 1.6443 | 1.2664 | 1.4364 | 1.2670 | 2.3177 |
| 9 | 1.2655 | 1.6474 | 1.5150 | 1.8180 | 1.5337 | 1.6080 | 1.8280 | 0.9066 |
| | 1.8190 | 1.4768 | 1.5994 | 1.3103 | 1.5454 | 1.4492 | 1.2750 | 2.3224 |
| 10 | 1.2921 | 1.5153 | 1.2742 | 1.3975 | 1.7898 | 1.5936 | 1.8016 | 0.7836 |
| | 1.8752 | 1.5991 | 1.9044 | 1.7201 | 1.3388 | 1.4788 | 1.3085 | 2.7145 |
| 11 | 1.4457 | 1.8184 | 1.3984 | 1.7459 | 1.3635 | 1.7144 | 1.6961 | 0.7233 |
| | 1.6443 | 1.3099 | 1.7189 | 1.3785 | 1.7483 | 1.3886 | 1.4217 | 2.9736 |
| 12 | 1.8633 | 1.5340 | 1.7917 | 1.3655 | 1.2943 | 1.5433 | 1.0181 | |
| | 1.2664 | 1.5450 | 1.3372 | 1.7458 | 1.6103 | 1.4050 | 2.0780 | |
| 13 | 1.6145 | 1.6081 | 1.5979 | 1.7200 | 1.5466 | 0.9398 | 0.5098 | |
| | 1.4364 | 1.4494 | 1.4744 | 1.3852 | 1.4029 | 1.9974 | 3.9113 | |
| 14 | 1.8360 | 1.8252 | 1.8085 | 1.7062 | 1.0224 | 0.5107 | | |
| | 1.2670 | 1.2769 | 1.3031 | 1.4125 | 2.0699 | 3.9055 | | |
| 15 | 0.9098 | 0.8243 | 0.8572 | 0.7373 | F-SUB-Q | | | |
| | 2.3177 | 2.5566 | 2.4617 | 2.9166 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6164 | 1.3345 | 1.3147 | 1.4672 | 1.8987 | 1.6384 | 1.8745 | 0.9213 |
| | 1.5044 | 1.8748 | 1.9689 | 1.7218 | 1.3170 | 1.4942 | 1.3088 | 2.4132 |
| 9 | 1.3345 | 1.7016 | 1.5452 | 1.8565 | 1.5571 | 1.6367 | 1.8685 | 0.9189 |
| | 1.8748 | 1.5158 | 1.6763 | 1.3647 | 1.6162 | 1.5068 | 1.3172 | 2.4172 |
| 10 | 1.3147 | 1.5455 | 1.2969 | 1.4281 | 1.8410 | 1.6313 | 1.8521 | 0.7970 |
| | 1.9689 | 1.6759 | 2.0012 | 1.8007 | 1.3905 | 1.5371 | 1.3521 | 2.8277 |
| 11 | 1.4672 | 1.8569 | 1.4291 | 1.8203 | 1.4231 | 1.7982 | 1.7638 | 0.7405 |
| | 1.7218 | 1.3643 | 1.7995 | 1.4093 | 1.7929 | 1.4128 | 1.4499 | 3.1001 |
| 12 | 1.8987 | 1.5573 | 1.8431 | 1.4251 | 1.4393 | 1.6896 | 1.0698 | |
| | 1.3170 | 1.6158 | 1.3889 | 1.7904 | 1.6453 | 1.4270 | 2.1235 | |
| 13 | 1.6384 | 1.6381 | 1.6356 | 1.8027 | 1.6925 | 1.0494 | 0.5414 | |
| | 1.4942 | 1.5071 | 1.5325 | 1.4094 | 1.4249 | 2.0508 | 4.0212 | |
| 14 | 1.8745 | 1.8656 | 1.8592 | 1.7740 | 1.0740 | 0.5423 | | |
| | 1.3088 | 1.3191 | 1.3461 | 1.4418 | 2.1154 | 4.0151 | | |
| 15 | 0.9213 | 0.8357 | 0.8724 | 0.7547 | F-SUB-Q | | | |
| | 2.4132 | 2.6608 | 2.5626 | 3.0407 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7444 | 1.4025 | 1.3316 | 1.4851 | 1.9322 | 1.6591 | 1.9102 | 0.9279 |
| | 1.5682 | 1.9623 | 2.0924 | 1.8226 | 1.3832 | 1.5714 | 1.3668 | 2.5486 |
| 9 | 1.4025 | 1.7584 | 1.5722 | 1.8929 | 1.5770 | 1.6633 | 1.9059 | 0.9244 |
| | 1.9623 | 1.5765 | 1.7741 | 1.4353 | 1.7086 | 1.5842 | 1.3756 | 2.5570 |
| 10 | 1.3316 | 1.5725 | 1.3172 | 1.4541 | 1.8911 | 1.6649 | 1.8987 | 0.8044 |
| | 2.0924 | 1.7737 | 2.1232 | 1.9059 | 1.4537 | 1.6154 | 1.4119 | 2.9922 |
| 11 | 1.4851 | 1.8933 | 1.4551 | 1.8881 | 1.4708 | 1.8712 | 1.8244 | 0.7519 |
| | 1.8226 | 1.4349 | 1.9046 | 1.4576 | 1.8647 | 1.4566 | 1.4860 | 3.2781 |
| 12 | 1.9322 | 1.5772 | 1.8938 | 1.4728 | 1.5498 | 1.8008 | 1.1081 | |
| | 1.3832 | 1.7082 | 1.4515 | 1.8621 | 1.7099 | 1.4725 | 2.2125 | |
| 13 | 1.6591 | 1.6648 | 1.6712 | 1.8758 | 1.8037 | 1.1210 | 0.5649 | |
| | 1.5714 | 1.5844 | 1.6105 | 1.4530 | 1.4703 | 2.1417 | 4.2072 | |
| 14 | 1.9102 | 1.9032 | 1.9061 | 1.8347 | 1.1123 | 0.5658 | | |
| | 1.3668 | 1.3776 | 1.4056 | 1.4775 | 2.2041 | 4.2010 | | |
| 15 | 0.9279 | 0.8411 | 0.8819 | 0.7659 | F-SUB-Q | | | |
| | 2.5486 | 2.8136 | 2.7074 | 3.2190 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7696 | 1.4212 | 1.3433 | 1.4819 | 1.9215 | 1.6523 | 1.9007 | 0.9353 |
| | 1.6794 | 2.0909 | 2.2222 | 1.9685 | 1.4964 | 1.6908 | 1.4721 | 2.7075 |
| 9 | 1.4212 | 1.7693 | 1.5712 | 1.8836 | 1.5732 | 1.6620 | 1.8980 | 0.9363 |
| | 2.0909 | 1.6803 | 1.8940 | 1.5556 | 1.8447 | 1.7043 | 1.4816 | 2.7043 |
| 10 | 1.3433 | 1.5716 | 1.3197 | 1.4573 | 1.8974 | 1.6733 | 1.8984 | 0.8207 |
| | 2.2222 | 1.8935 | 2.2502 | 2.0231 | 1.5399 | 1.7214 | 1.5205 | 3.1504 |
| 11 | 1.4819 | 1.8840 | 1.4584 | 1.8994 | 1.4867 | 1.8866 | 1.8360 | 0.7710 |
| | 1.9685 | 1.5552 | 2.0218 | 1.5420 | 1.9632 | 1.5365 | 1.5683 | 3.3916 |
| 12 | 1.9215 | 1.5735 | 1.9001 | 1.4887 | 1.5848 | 1.8340 | 1.1429 | |
| | 1.4964 | 1.8443 | 1.5377 | 1.9605 | 1.8199 | 1.5668 | 2.2977 | |
| 13 | 1.6523 | 1.6635 | 1.6796 | 1.8911 | 1.8369 | 1.1645 | 0.5861 | |
| | 1.6908 | 1.7046 | 1.7147 | 1.5328 | 1.5645 | 2.2508 | 4.3954 | |
| 14 | 1.9007 | 1.8954 | 1.9059 | 1.8463 | 1.1471 | 0.5869 | | |
| | 1.4721 | 1.4837 | 1.5136 | 1.5594 | 2.2889 | 4.3888 | | |
| 15 | 0.9353 | 0.8561 | 0.8961 | 0.7845 | F-SUB-Q | | | |
| | 2.7075 | 2.9617 | 2.8622 | 3.3341 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8195 | 1.4463 | 1.3459 | 1.4956 | 1.9574 | 1.6725 | 1.9414 | 0.9329 |
| | 1.7491 | 2.1989 | 2.3680 | 2.1093 | 1.5867 | 1.8001 | 1.5519 | 2.9199 |
| 9 | 1.4463 | 1.8144 | 1.5923 | 1.9218 | 1.5893 | 1.6856 | 1.9398 | 0.9318 |
| | 2.1989 | 1.7532 | 1.9956 | 1.6414 | 1.9739 | 1.8135 | 1.5616 | 2.9233 |
| 10 | 1.3459 | 1.5927 | 1.3297 | 1.4751 | 1.9468 | 1.7056 | 1.9454 | 0.8147 |
| | 2.3680 | 1.9950 | 2.3877 | 2.1322 | 1.6031 | 1.8019 | 1.5825 | 3.4193 |
| 11 | 1.4956 | 1.9222 | 1.4761 | 1.9499 | 1.5125 | 1.9425 | 1.8885 | 0.7659 |
| | 2.1093 | 1.6410 | 2.1309 | 1.6055 | 2.0626 | 1.5945 | 1.6274 | 3.6392 |
| 12 | 1.9574 | 1.5895 | 1.9496 | 1.5144 | 1.6273 | 1.8962 | 1.1506 | |
| | 1.5867 | 1.9735 | 1.6008 | 2.0598 | 1.8966 | 1.6200 | 2.4385 | |
| 13 | 1.6725 | 1.6872 | 1.7121 | 1.9471 | 1.8991 | 1.1782 | 0.5879 | |
| | 1.8001 | 1.8137 | 1.7949 | 1.5907 | 1.6177 | 2.3829 | 4.6812 | |
| 14 | 1.9414 | 1.9394 | 1.9533 | 1.8989 | 1.1547 | 0.5887 | | |
| | 1.5519 | 1.5638 | 1.5755 | 1.6184 | 2.4293 | 4.6744 | | |
| 15 | 0.9329 | 0.8485 | 0.8933 | 0.7801 | F-SUB-Q | | | |
| | 2.9199 | 3.2150 | 3.0934 | 3.5733 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8299 | 1.4496 | 1.3458 | 1.4944 | 1.9613 | 1.6729 | 1.9492 | 0.9321 |
| | 1.8001 | 2.2575 | 2.4204 | 2.1705 | 1.6576 | 1.9250 | 1.6676 | 3.1499 |
| 9 | 1.4496 | 1.8228 | 1.5933 | 1.9269 | 1.5886 | 1.6890 | 1.9485 | 0.9323 |
| | 2.2575 | 1.7987 | 2.0460 | 1.6896 | 2.0423 | 1.9169 | 1.6698 | 3.1496 |
| 10 | 1.3458 | 1.5939 | 1.3285 | 1.4782 | 1.9595 | 1.7143 | 1.9579 | 0.8160 |
| | 2.4204 | 2.0453 | 2.4526 | 2.2035 | 1.6683 | 1.8937 | 1.6667 | 3.6360 |
| 11 | 1.4944 | 1.9273 | 1.4792 | 1.9627 | 1.5192 | 1.9598 | 1.9056 | 0.7684 |
| | 2.1705 | 1.6892 | 2.2019 | 1.6679 | 2.1518 | 1.6719 | 1.7181 | 3.8563 |
| 12 | 1.9613 | 1.5888 | 1.9622 | 1.5211 | 1.6407 | 1.9177 | 1.1593 | |
| | 1.6576 | 2.0419 | 1.6660 | 2.1489 | 2.0120 | 1.7179 | 2.5837 | |
| 13 | 1.6729 | 1.6908 | 1.7208 | 1.9644 | 1.9205 | 1.1876 | 0.5908 | |
| | 1.9250 | 1.9149 | 1.8864 | 1.6680 | 1.7152 | 2.5353 | 4.9899 | |
| 14 | 1.9492 | 1.9498 | 1.9665 | 1.9162 | 1.1634 | 0.5916 | | |
| | 1.6676 | 1.6711 | 1.6593 | 1.7087 | 2.5739 | 4.9828 | | |
| 15 | 0.9321 | 0.8490 | 0.8951 | 0.7829 | F-SUB-Q | | | |
| | 3.1499 | 3.4638 | 3.2887 | 3.7858 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8094 | 1.4371 | 1.3426 | 1.4802 | 1.9390 | 1.6573 | 1.9293 | 0.9319 |
| | 1.7981 | 2.2486 | 2.3896 | 2.1563 | 1.6490 | 1.9085 | 1.6552 | 3.1094 |
| 9 | 1.4371 | 1.8015 | 1.5774 | 1.9035 | 1.5732 | 1.6754 | 1.9301 | 0.9344 |
| | 2.2486 | 1.7965 | 2.0363 | 1.6845 | 2.0292 | 1.9034 | 1.6585 | 3.0959 |
| 10 | 1.3426 | 1.5779 | 1.3228 | 1.4669 | 1.9411 | 1.7033 | 1.9415 | 0.8224 |
| | 2.3896 | 2.0355 | 2.4306 | 2.1894 | 1.6617 | 1.8804 | 1.6569 | 3.5505 |
| 11 | 1.4802 | 1.9039 | 1.4680 | 1.9443 | 1.5101 | 1.9448 | 1.8936 | 0.7767 |
| | 2.1563 | 1.6841 | 2.1878 | 1.6619 | 2.1365 | 1.6640 | 1.7074 | 3.7611 |
| 12 | 1.9390 | 1.5734 | 1.9439 | 1.5120 | 1.6322 | 1.9061 | 1.1687 | |
| | 1.6490 | 2.0288 | 1.6593 | 2.1337 | 2.0007 | 1.7097 | 2.5332 | |
| 13 | 1.6573 | 1.6772 | 1.7098 | 1.9495 | 1.9089 | 1.1947 | 0.5952 | |
| | 1.9085 | 1.9013 | 1.8731 | 1.6600 | 1.7071 | 2.4969 | 4.9246 | |
| 14 | 1.9293 | 1.9317 | 1.9501 | 1.9041 | 1.1729 | 0.5961 | | |
| | 1.6552 | 1.6604 | 1.6496 | 1.6979 | 2.5236 | 4.9171 | | |
| 15 | 0.9319 | 0.8552 | 0.8996 | 0.7903 | F-SUB-Q | | | |
| | 3.1094 | 3.3856 | 3.2206 | 3.6976 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8284 | 1.4395 | 1.3323 | 1.4811 | 1.9578 | 1.6641 | 1.9547 | 0.9224 |
| | 1.7310 | 2.1680 | 2.3242 | 2.0892 | 1.5904 | 1.8450 | 1.5870 | 3.0324 |
| 9 | 1.4395 | 1.8195 | 1.5824 | 1.9230 | 1.5756 | 1.6844 | 1.9571 | 0.9224 |
| | 2.1680 | 1.7244 | 1.9649 | 1.6210 | 1.9678 | 1.8439 | 1.5939 | 3.0302 |
| 10 | 1.3323 | 1.5830 | 1.3141 | 1.4697 | 1.9658 | 1.7168 | 1.9704 | 0.8091 |
| | 2.3242 | 1.9642 | 2.3552 | 2.1248 | 1.6061 | 1.8257 | 1.5946 | 3.4970 |
| 11 | 1.4811 | 1.9235 | 1.4708 | 1.9679 | 1.5155 | 1.9736 | 1.9234 | 0.7631 |
| | 2.0892 | 1.6207 | 2.1233 | 1.6090 | 2.0828 | 1.6101 | 1.6489 | 3.7052 |
| 12 | 1.9578 | 1.5757 | 1.9686 | 1.5175 | 1.6457 | 1.9367 | 1.1589 | |
| | 1.5904 | 1.9675 | 1.6038 | 2.0804 | 1.9514 | 1.6562 | 2.4932 | |
| 13 | 1.6641 | 1.6863 | 1.7234 | 1.9784 | 1.9396 | 1.1859 | 0.5859 | |
| | 1.8450 | 1.8419 | 1.8186 | 1.6063 | 1.6539 | 2.4532 | 4.8180 | |
| 14 | 1.9547 | 1.9590 | 1.9794 | 1.9342 | 1.1631 | 0.5867 | | |
| | 1.5870 | 1.5957 | 1.5876 | 1.6399 | 2.4845 | 4.8115 | | |
| 15 | 0.9224 | 0.8412 | 0.8891 | 0.7775 | F-SUB-Q | | | |
| | 3.0324 | 3.3249 | 3.1583 | 3.6401 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8241 | 1.4309 | 1.3210 | 1.4719 | 1.9536 | 1.6575 | 1.9557 | 0.9141 |
| | 1.5769 | 1.9834 | 2.1392 | 1.9255 | 1.4655 | 1.7096 | 1.4666 | 2.8112 |
| 9 | 1.4309 | 1.8147 | 1.5739 | 1.9188 | 1.5663 | 1.6790 | 1.9593 | 0.9131 |
| | 1.9834 | 1.5725 | 1.8026 | 1.4884 | 1.8159 | 1.7041 | 1.4705 | 2.8112 |
| 10 | 1.3210 | 1.5745 | 1.3039 | 1.4618 | 1.9651 | 1.7143 | 1.9740 | 0.8013 |
| | 2.1392 | 1.8019 | 2.1658 | 1.9507 | 1.4698 | 1.6767 | 1.4657 | 3.2339 |
| 11 | 1.4719 | 1.9193 | 1.4629 | 1.9662 | 1.5094 | 1.9763 | 1.9289 | 0.7564 |
| | 1.9255 | 1.4881 | 1.9494 | 1.4670 | 1.9052 | 1.4691 | 1.5050 | 3.4153 |
| 12 | 1.9536 | 1.5665 | 1.9680 | 1.5114 | 1.6430 | 1.9413 | 1.1517 | |
| | 1.4655 | 1.8157 | 1.4679 | 1.9029 | 1.7811 | 1.5058 | 2.2854 | |
| 13 | 1.6575 | 1.6810 | 1.7210 | 1.9811 | 1.9442 | 1.1784 | 0.5792 | |
| | 1.7096 | 1.7023 | 1.6707 | 1.4659 | 1.5037 | 2.2509 | 4.4434 | |
| 14 | 1.9557 | 1.9614 | 1.9832 | 1.9399 | 1.1559 | 0.5800 | | |
| | 1.4666 | 1.4720 | 1.4596 | 1.4973 | 2.2772 | 4.4373 | | |
| 15 | 0.9141 | 0.8330 | 0.8820 | 0.7706 | F-SUB-Q | | | |
| | 2.8112 | 3.0817 | 2.9165 | 3.3559 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8064 | 1.4156 | 1.3096 | 1.4563 | 1.9370 | 1.6424 | 1.9412 | 0.9058 |
| | 1.4620 | 1.8429 | 1.9878 | 1.7882 | 1.3560 | 1.5867 | 1.3585 | 2.6123 |
| 9 | 1.4156 | 1.7971 | 1.5582 | 1.9010 | 1.5501 | 1.6646 | 1.9455 | 0.9072 |
| | 1.8429 | 1.4589 | 1.6766 | 1.3821 | 1.6854 | 1.5802 | 1.3607 | 2.6034 |
| 10 | 1.3096 | 1.5589 | 1.2888 | 1.4470 | 1.9492 | 1.7009 | 1.9612 | 0.7962 |
| | 1.9878 | 1.6760 | 2.0183 | 1.8131 | 1.3631 | 1.5558 | 1.3587 | 2.9936 |
| 11 | 1.4563 | 1.9015 | 1.4480 | 1.9502 | 1.4955 | 1.9623 | 1.9178 | 0.7518 |
| | 1.7882 | 1.3818 | 1.8120 | 1.3597 | 1.7686 | 1.3601 | 1.3921 | 3.1671 |
| 12 | 1.9370 | 1.5502 | 1.9521 | 1.4974 | 1.6301 | 1.9292 | 1.1461 | |
| | 1.3560 | 1.6851 | 1.3613 | 1.7665 | 1.6482 | 1.3906 | 2.1112 | |
| 13 | 1.6424 | 1.6667 | 1.7076 | 1.9674 | 1.9321 | 1.1709 | 0.5744 | |
| | 1.5867 | 1.5785 | 1.5501 | 1.3571 | 1.3887 | 2.0798 | 4.1203 | |
| 14 | 1.9412 | 1.9478 | 1.9707 | 1.9288 | 1.1502 | 0.5752 | | |
| | 1.3585 | 1.3620 | 1.3528 | 1.3848 | 2.1037 | 4.1146 | | |
| 15 | 0.9058 | 0.8277 | 0.8761 | 0.7663 | F-SUB-Q | | | |
| | 2.6123 | 2.8547 | 2.7010 | 3.1108 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7695 | 1.3915 | 1.2966 | 1.4322 | 1.8995 | 1.6156 | 1.9051 | 0.8975 |
| | 1.4926 | 1.8773 | 2.0067 | 1.8164 | 1.3814 | 1.6149 | 1.3852 | 2.6428 |
| 9 | 1.3915 | 1.7607 | 1.5313 | 1.8631 | 1.5241 | 1.6379 | 1.9099 | 0.9012 |
| | 1.8773 | 1.4909 | 1.7058 | 1.4067 | 1.7126 | 1.6045 | 1.3863 | 2.6265 |
| 10 | 1.2966 | 1.5320 | 1.2779 | 1.4232 | 1.9114 | 1.6738 | 1.9259 | 0.7943 |
| | 2.0067 | 1.7051 | 2.0472 | 1.8453 | 1.3917 | 1.5831 | 1.3808 | 3.0000 |
| 11 | 1.4322 | 1.8636 | 1.4243 | 1.9125 | 1.4717 | 1.9258 | 1.8853 | 0.7511 |
| | 1.8164 | 1.4064 | 1.8439 | 1.3887 | 1.8009 | 1.3878 | 1.4182 | 3.1751 |
| 12 | 1.8995 | 1.5242 | 1.9143 | 1.4737 | 1.6038 | 1.8948 | 1.1413 | |
| | 1.3814 | 1.7124 | 1.3898 | 1.7987 | 1.6751 | 1.4154 | 2.1234 | |
| 13 | 1.6156 | 1.6401 | 1.6805 | 1.9321 | 1.8977 | 1.1638 | 0.5712 | |
| | 1.6149 | 1.6026 | 1.5771 | 1.3847 | 1.4133 | 2.0931 | 4.1542 | |
| 14 | 1.9051 | 1.9123 | 1.9355 | 1.8963 | 1.1455 | 0.5720 | | |
| | 1.3852 | 1.3854 | 1.3744 | 1.4106 | 2.1157 | 4.1483 | | |
| 15 | 0.8975 | 0.8257 | 0.8717 | 0.7646 | F-SUB-Q | | | |
| | 2.6428 | 2.8680 | 2.7136 | 3.1221 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7701 | 1.3801 | 1.2736 | 1.4197 | 1.9007 | 1.6067 | 1.9104 | 0.8770 |
| | 1.3868 | 1.7628 | 1.9051 | 1.7113 | 1.2892 | 1.5185 | 1.2910 | 2.5320 |
| 9 | 1.3801 | 1.7616 | 1.5228 | 1.8646 | 1.5120 | 1.6298 | 1.9158 | 0.8771 |
| | 1.7628 | 1.3875 | 1.5989 | 1.3111 | 1.6122 | 1.5057 | 1.2905 | 2.5268 |
| 10 | 1.2736 | 1.5235 | 1.2538 | 1.4103 | 1.9133 | 1.6674 | 1.9326 | 0.7699 |
| | 1.9051 | 1.5981 | 1.9349 | 1.7340 | 1.2936 | 1.4789 | 1.2822 | 2.8921 |
| 11 | 1.4197 | 1.8651 | 1.4114 | 1.9141 | 1.4593 | 1.9301 | 1.8917 | 0.7265 |
| | 1.7113 | 1.3108 | 1.7329 | 1.2910 | 1.6906 | 1.2893 | 1.3150 | 3.0589 |
| 12 | 1.9007 | 1.5122 | 1.9163 | 1.4613 | 1.5977 | 1.9009 | 1.1136 | |
| | 1.2892 | 1.6120 | 1.2918 | 1.6884 | 1.5649 | 1.3158 | 2.0309 | |
| 13 | 1.6067 | 1.6321 | 1.6742 | 1.9384 | 1.9039 | 1.1387 | 0.5533 | |
| | 1.5185 | 1.5038 | 1.4731 | 1.2852 | 1.3138 | 1.9965 | 4.0103 | |
| 14 | 1.9104 | 1.9185 | 1.9425 | 1.9030 | 1.1179 | 0.5541 | | |
| | 1.2910 | 1.2889 | 1.2761 | 1.3076 | 2.0230 | 4.0045 | | |
| 15 | 0.8770 | 0.8005 | 0.8495 | 0.7405 | F-SUB-Q | | | |
| | 2.5320 | 2.7688 | 2.6019 | 3.0042 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7319 | 1.3502 | 1.2464 | 1.3891 | 1.8618 | 1.5745 | 1.8728 | 0.8556 |
| | 1.3268 | 1.6908 | 1.8358 | 1.6502 | 1.2411 | 1.4628 | 1.2425 | 2.4535 |
| 9 | 1.3502 | 1.7250 | 1.4922 | 1.8259 | 1.4799 | 1.5972 | 1.8781 | 0.8557 |
| | 1.6908 | 1.3302 | 1.5377 | 1.2618 | 1.5541 | 1.4489 | 1.2407 | 2.4472 |
| 10 | 1.2464 | 1.4930 | 1.2264 | 1.3788 | 1.8720 | 1.6333 | 1.8946 | 0.7505 |
| | 1.8358 | 1.5369 | 1.8648 | 1.6696 | 1.2432 | 1.4206 | 1.2315 | 2.8008 |
| 11 | 1.3891 | 1.8264 | 1.3799 | 1.8737 | 1.4265 | 1.8898 | 1.8543 | 0.7080 |
| | 1.6502 | 1.2615 | 1.6685 | 1.2389 | 1.6255 | 1.2370 | 1.2603 | 2.9585 |
| 12 | 1.8618 | 1.4801 | 1.8751 | 1.4286 | 1.5653 | 1.8629 | 1.0874 | |
| | 1.2411 | 1.5539 | 1.2414 | 1.6233 | 1.4946 | 1.2574 | 1.9522 | |
| 13 | 1.5745 | 1.5996 | 1.6402 | 1.8982 | 1.8659 | 1.1135 | 0.5386 | |
| | 1.4628 | 1.4470 | 1.4148 | 1.2325 | 1.2555 | 1.9135 | 3.8676 | |
| 14 | 1.8728 | 1.8809 | 1.9046 | 1.8659 | 1.0916 | 0.5394 | | |
| | 1.2425 | 1.2391 | 1.2255 | 1.2530 | 1.9445 | 3.8618 | | |
| 15 | 0.8556 | 0.7807 | 0.8292 | 0.7219 | F-SUB-Q | | | |
| | 2.4535 | 2.6837 | 2.5165 | 2.9047 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6434 | 1.2957 | 1.2096 | 1.3339 | 1.7711 | 1.5115 | 1.7795 | 0.8300 |
| | 1.3275 | 1.6749 | 1.8026 | 1.6376 | 1.2421 | 1.4520 | 1.2450 | 2.4134 |
| 9 | 1.2957 | 1.6396 | 1.4327 | 1.7353 | 1.4207 | 1.5324 | 1.7840 | 0.8334 |
| | 1.6749 | 1.3299 | 1.5250 | 1.2637 | 1.5422 | 1.4380 | 1.2429 | 2.3975 |
| 10 | 1.2096 | 1.4335 | 1.1890 | 1.3223 | 1.7748 | 1.5632 | 1.8015 | 0.7336 |
| | 1.8026 | 1.5242 | 1.8392 | 1.6565 | 1.2463 | 1.4113 | 1.2327 | 2.7325 |
| 11 | 1.3339 | 1.7358 | 1.3234 | 1.7794 | 1.3668 | 1.7888 | 1.7600 | 0.6925 |
| | 1.6376 | 1.2634 | 1.6553 | 1.2393 | 1.6127 | 1.2401 | 1.2611 | 2.8817 |
| 12 | 1.7711 | 1.4209 | 1.7778 | 1.3689 | 1.4989 | 1.7679 | 1.0583 | |
| | 1.2421 | 1.5419 | 1.2443 | 1.6104 | 1.4803 | 1.2559 | 1.9054 | |
| 13 | 1.5115 | 1.5347 | 1.5700 | 1.7971 | 1.7710 | 1.0841 | 0.5258 | |
| | 1.4520 | 1.4359 | 1.4053 | 1.2361 | 1.2539 | 1.8645 | 3.7663 | |
| 14 | 1.7795 | 1.7868 | 1.8113 | 1.7714 | 1.0626 | 0.5266 | | |
| | 1.2450 | 1.2412 | 1.2264 | 1.2534 | 1.8977 | 3.7605 | | |
| 15 | 0.8300 | 0.7634 | 0.8077 | 0.7057 | F-SUB-Q | | | |
| | 2.4134 | 2.6191 | 2.4635 | 2.8304 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5658 | 1.2384 | 1.1462 | 1.2733 | 1.6890 | 1.4471 | 1.6958 | 0.7815 |
| | 1.3374 | 1.6836 | 1.8297 | 1.6495 | 1.2514 | 1.4579 | 1.2552 | 2.4682 |
| 9 | 1.2384 | 1.5651 | 1.3735 | 1.6551 | 1.3579 | 1.4665 | 1.6993 | 0.7814 |
| | 1.6836 | 1.3381 | 1.5292 | 1.2730 | 1.5511 | 1.4436 | 1.2532 | 2.4620 |
| 10 | 1.1462 | 1.3742 | 1.1294 | 1.2608 | 1.6885 | 1.4935 | 1.7186 | 0.6828 |
| | 1.8297 | 1.5283 | 1.8558 | 1.6690 | 1.2572 | 1.4179 | 1.2403 | 2.8255 |
| 11 | 1.2733 | 1.6556 | 1.2618 | 1.6956 | 1.3016 | 1.6995 | 1.6740 | 0.6436 |
| | 1.6495 | 1.2727 | 1.6678 | 1.2482 | 1.6260 | 1.2519 | 1.2720 | 2.9830 |
| 12 | 1.6890 | 1.3581 | 1.6915 | 1.3035 | 1.4338 | 1.6835 | 0.9904 | |
| | 1.2514 | 1.5509 | 1.2552 | 1.6236 | 1.4840 | 1.2643 | 1.9547 | |
| 13 | 1.4471 | 1.4688 | 1.5002 | 1.7060 | 1.6865 | 1.0217 | 0.4920 | |
| | 1.4579 | 1.4415 | 1.4117 | 1.2485 | 1.2621 | 1.8982 | 3.8691 | |
| 14 | 1.6958 | 1.7021 | 1.7282 | 1.6851 | 0.9945 | 0.4928 | | |
| | 1.2552 | 1.2513 | 1.2338 | 1.2640 | 1.9466 | 3.8631 | | |
| 15 | 0.7815 | 0.7114 | 0.7568 | 0.6570 | F-SUB-Q | | | |
| | 2.4682 | 2.7059 | 2.5300 | 2.9243 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3998 | 1.1283 | 1.0406 | 1.1578 | 1.5090 | 1.3126 | 1.5089 | 0.7112 |
| | 1.4493 | 1.7912 | 1.9515 | 1.7590 | 1.3575 | 1.5587 | 1.3671 | 2.6341 |
| 9 | 1.1283 | 1.3992 | 1.2474 | 1.4779 | 1.2339 | 1.3289 | 1.5105 | 0.7106 |
| | 1.7912 | 1.4506 | 1.6322 | 1.3818 | 1.6547 | 1.5437 | 1.3660 | 2.6284 |
| 10 | 1.0406 | 1.2481 | 1.0287 | 1.1460 | 1.5067 | 1.3515 | 1.5315 | 0.6174 |
| | 1.9515 | 1.6313 | 1.9766 | 1.7794 | 1.3641 | 1.5175 | 1.3479 | 3.0346 |
| 11 | 1.1578 | 1.4783 | 1.1469 | 1.5144 | 1.1837 | 1.5130 | 1.4898 | 0.5820 |
| | 1.7590 | 1.3814 | 1.7781 | 1.3536 | 1.7319 | 1.3611 | 1.3839 | 3.2030 |
| 12 | 1.5090 | 1.2341 | 1.5093 | 1.1855 | 1.2996 | 1.4997 | 0.8969 | |
| | 1.3575 | 1.6544 | 1.3619 | 1.7295 | 1.5851 | 1.3736 | 2.0923 | |
| 13 | 1.3126 | 1.3309 | 1.3576 | 1.5174 | 1.5024 | 0.9276 | 0.4467 | |
| | 1.5587 | 1.5415 | 1.5108 | 1.3574 | 1.3713 | 2.0262 | 4.1386 | |
| 14 | 1.5089 | 1.5128 | 1.5403 | 1.4999 | 0.9006 | 0.4474 | | |
| | 1.3671 | 1.3640 | 1.3405 | 1.3750 | 2.0835 | 4.1321 | | |
| 15 | 0.7112 | 0.6459 | 0.6876 | 0.5941 | F-SUB-Q | | | |
| | 2.6341 | 2.8949 | 2.7041 | 3.1401 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 175 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1743 | 0.9092 | 0.8329 | 0.9273 | 1.2397 | 1.0412 | 1.2362 | 0.5757 |
| | 1.6865 | 2.1706 | 2.3823 | 2.1443 | 1.6112 | 1.9166 | 1.6291 | 3.1836 |
| 9 | 0.9092 | 1.1609 | 0.9986 | 1.2201 | 0.9916 | 1.0518 | 1.2360 | 0.5798 |
| | 2.1706 | 1.7070 | 1.9911 | 1.6339 | 2.0098 | 1.9030 | 1.6294 | 3.1516 |
| 10 | 0.8329 | 0.9991 | 0.8206 | 0.9242 | 1.2572 | 1.0720 | 1.2346 | 0.4960 |
| | 2.3823 | 1.9901 | 2.4207 | 2.1547 | 1.5947 | 1.8652 | 1.6311 | 3.6963 |
| 11 | 0.9273 | 1.2204 | 0.9248 | 1.2565 | 0.9539 | 1.2583 | 1.1949 | 0.4695 |
| | 2.1443 | 1.6335 | 2.1532 | 1.5915 | 2.0969 | 1.5964 | 1.6836 | 3.8845 |
| 12 | 1.2397 | 0.9917 | 1.2590 | 0.9552 | 1.0433 | 1.2134 | 0.7256 | |
| | 1.6112 | 2.0095 | 1.5926 | 2.0940 | 1.9265 | 1.6564 | 2.5269 | |
| 13 | 1.0412 | 1.0533 | 1.0767 | 1.2613 | 1.2154 | 0.7468 | 0.3591 | |
| | 1.9166 | 1.9004 | 1.8572 | 1.5928 | 1.6538 | 2.4585 | 5.0393 | |
| 14 | 1.2362 | 1.2374 | 1.2409 | 1.2025 | 0.7284 | 0.3597 | | |
| | 1.6291 | 1.6277 | 1.6232 | 1.6733 | 2.5170 | 5.0315 | | |
| 15 | 0.5757 | 0.5208 | 0.5564 | 0.4784 | F-SUB-Q | | | |
| | 3.1836 | 3.5130 | 3.2689 | 3.8157 | M-SUB-Q | | | |

AT 75% POWER, 175 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4607 | 0.3878 | 0.3641 | 0.4030 | 0.4839 | 0.4111 | 0.4524 | 0.2381 |
| | 4.2081 | 4.9858 | 5.3421 | 4.8353 | 4.0434 | 4.7488 | 4.3565 | 7.5540 |
| 9 | 0.3878 | 0.4501 | 0.3982 | 0.4733 | 0.4200 | 0.4143 | 0.4520 | 0.2391 |
| | 4.9858 | 4.3124 | 4.8905 | 4.1236 | 4.6471 | 4.7247 | 4.3598 | 7.4985 |
| 10 | 0.3641 | 0.3984 | 0.3596 | 0.4024 | 0.4879 | 0.4230 | 0.4491 | 0.2206 |
| | 5.3421 | 4.8882 | 5.4162 | 4.8489 | 4.0198 | 4.6146 | 4.3881 | 8.1554 |
| 11 | 0.4030 | 0.4734 | 0.4027 | 0.4740 | 0.4137 | 0.4836 | 0.4307 | 0.1992 |
| | 4.8353 | 4.1226 | 4.8460 | 4.1285 | 4.7366 | 4.0644 | 4.5733 | 8.9896 |
| 12 | 0.4839 | 0.4201 | 0.4886 | 0.4142 | 0.4081 | 0.4426 | 0.2971 | |
| | 4.0434 | 4.6462 | 4.0146 | 4.7301 | 4.8181 | 4.4442 | 6.0507 | |
| 13 | 0.4111 | 0.4149 | 0.4241 | 0.4848 | 0.4434 | 0.3044 | 0.1565 | |
| | 4.7488 | 4.7180 | 4.6041 | 4.0547 | 4.4374 | 5.9115 | *11.3617 | |
| 14 | 0.4524 | 0.4518 | 0.4514 | 0.4335 | 0.2982 | 0.1567 | | |
| | 4.3565 | 4.3628 | 4.3666 | 4.5449 | 6.0265 | *11.3431 | | |
| 15 | 0.2381 | 0.2285 | 0.2312 | 0.2034 | F-SUB-Q | | | |
| | 7.5540 | 7.8557 | 7.7193 | 8.8101 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3516 | 0.3884 | 0.4219 | 0.4719 | 0.5531 | 0.4853 | 0.5119 | 0.2875 |
| | 4.0721 | 4.6907 | 4.6897 | 4.1638 | 3.6288 | 4.0504 | 3.9959 | 6.4046 |
| 9 | 0.3884 | 0.4737 | 0.4533 | 0.5367 | 0.4926 | 0.4803 | 0.5079 | 0.2872 |
| | 4.6907 | 4.2687 | 4.3790 | 3.7369 | 3.9876 | 4.0881 | 4.0239 | 6.3948 |
| 10 | 0.4219 | 0.4534 | 0.4185 | 0.4534 | 0.5272 | 0.4660 | 0.4857 | 0.2565 |
| | 4.6897 | 4.3779 | 4.8151 | 4.3480 | 3.7875 | 4.1732 | 4.1106 | 7.0203 |
| 11 | 0.4719 | 0.5368 | 0.4536 | 0.4856 | 0.4244 | 0.4769 | 0.4414 | 0.2272 |
| | 4.1638 | 3.7363 | 4.3462 | 4.1526 | 4.5791 | 4.1574 | 4.4947 | 7.8183 |
| 12 | 0.5531 | 0.4926 | 0.5276 | 0.4247 | 0.3372 | 0.3771 | 0.2868 | |
| | 3.6288 | 3.9867 | 3.7847 | 4.5748 | 4.5165 | 4.4169 | 5.9110 | |
| 13 | 0.4853 | 0.4804 | 0.4665 | 0.4779 | 0.3780 | 0.2433 | 0.1532 | |
| | 4.0504 | 4.0874 | 4.1675 | 4.1513 | 4.4121 | 5.4861 | 9.8439 | |
| 14 | 0.5119 | 0.5072 | 0.4870 | 0.4435 | 0.2880 | 0.1535 | | |
| | 3.9959 | 4.0295 | 4.0989 | 4.4741 | 5.8928 | 9.8304 | | |
| 15 | 0.2875 | 0.2695 | 0.2692 | 0.2312 | F-SUB-Q | | | |
| | 6.4046 | 6.7876 | 6.6605 | 7.6827 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7985 | 0.8273 | 0.8806 | 0.9886 | 1.2459 | 1.0961 | 1.2266 | 0.6524 |
| | 1.8693 | 2.2485 | 2.3126 | 2.0491 | 1.6609 | 1.8477 | 1.7152 | 2.9062 |
| 9 | 0.8273 | 1.0762 | 1.0210 | 1.2130 | 1.0519 | 1.0925 | 1.2179 | 0.6494 |
| | 2.2485 | 1.9163 | 1.9961 | 1.7022 | 1.9252 | 1.8574 | 1.7105 | 2.8811 |
| 10 | 0.8806 | 1.0211 | 0.8735 | 0.9506 | 1.1934 | 1.0554 | 1.1699 | 0.5486 |
| | 2.3126 | 1.9957 | 2.3573 | 2.1303 | 1.7235 | 1.8997 | 1.7560 | 3.3716 |
| 11 | 0.9886 | 1.2132 | 0.9510 | 1.1342 | 0.8915 | 1.0941 | 1.0594 | 0.5052 |
| | 2.0491 | 1.7019 | 2.1295 | 1.8098 | 2.2124 | 1.8455 | 1.9243 | 3.6226 |
| 12 | 1.2459 | 1.0521 | 1.1942 | 0.8926 | 0.7661 | 0.9084 | 0.6554 | |
| | 1.6609 | 1.9248 | 1.7223 | 2.2105 | 2.0220 | 1.8700 | 2.6400 | |
| 13 | 1.0961 | 1.0919 | 1.0574 | 1.0963 | 0.9104 | 0.5550 | 0.3365 | |
| | 1.8477 | 1.8583 | 1.8956 | 1.8428 | 1.8683 | 2.4616 | 4.5832 | |
| 14 | 1.2266 | 1.2155 | 1.1735 | 1.0649 | 0.6579 | 0.3371 | | |
| | 1.7152 | 1.7136 | 1.7507 | 1.9147 | 2.6323 | 4.5774 | | |
| 15 | 0.6524 | 0.5847 | 0.6063 | 0.5134 | F-SUB-Q | | | |
| | 2.9062 | 3.2049 | 3.0380 | 3.5663 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9739 | 1.0041 | 1.0727 | 1.2058 | 1.4976 | 1.3426 | 1.4734 | 0.8013 |
| | 1.6129 | 1.8951 | 1.9426 | 1.7168 | 1.4094 | 1.5335 | 1.4334 | 2.3763 |
| 9 | 1.0041 | 1.2872 | 1.2383 | 1.4556 | 1.2768 | 1.3364 | 1.4631 | 0.7980 |
| | 1.8951 | 1.6337 | 1.6784 | 1.4481 | 1.6200 | 1.5425 | 1.4403 | 2.3775 |
| 10 | 1.0727 | 1.2384 | 1.0641 | 1.1571 | 1.4261 | 1.2973 | 1.4168 | 0.6847 |
| | 1.9426 | 1.6782 | 1.9563 | 1.7850 | 1.4735 | 1.5771 | 1.4779 | 2.7508 |
| 11 | 1.2058 | 1.4558 | 1.1577 | 1.3512 | 1.0876 | 1.3128 | 1.2971 | 0.6254 |
| | 1.7168 | 1.4479 | 1.7843 | 1.5448 | 1.8497 | 1.5680 | 1.6058 | 2.9903 |
| 12 | 1.4976 | 1.2770 | 1.4272 | 1.0889 | 0.9361 | 1.1078 | 0.8130 | |
| | 1.4094 | 1.6197 | 1.4724 | 1.8480 | 1.7099 | 1.5752 | 2.1712 | |
| 13 | 1.3426 | 1.3356 | 1.3000 | 1.3173 | 1.1104 | 0.6815 | 0.4175 | |
| | 1.5335 | 1.5433 | 1.5736 | 1.5654 | 1.5736 | 2.0613 | 3.7790 | |
| 14 | 1.4734 | 1.4600 | 1.4211 | 1.3040 | 0.8161 | 0.4182 | | |
| | 1.4334 | 1.4432 | 1.4734 | 1.5975 | 2.1646 | 3.7742 | | |
| 15 | 0.8013 | 0.7270 | 0.7461 | 0.6367 | F-SUB-Q | | | |
| | 2.3763 | 2.5989 | 2.5147 | 2.9382 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1019 | 1.1011 | 1.1718 | 1.3267 | 1.6940 | 1.4872 | 1.6814 | 0.8707 |
| | 1.4590 | 1.7674 | 1.8232 | 1.5985 | 1.2742 | 1.4114 | 1.2787 | 2.2264 |
| 9 | 1.1011 | 1.4531 | 1.3663 | 1.6484 | 1.4066 | 1.4798 | 1.6705 | 0.8649 |
| | 1.7674 | 1.4796 | 1.5591 | 1.3097 | 1.5062 | 1.4214 | 1.2857 | 2.2351 |
| 10 | 1.1718 | 1.3664 | 1.1663 | 1.2750 | 1.6204 | 1.4445 | 1.6198 | 0.7425 |
| | 1.8232 | 1.5589 | 1.8280 | 1.6608 | 1.3283 | 1.4491 | 1.3212 | 2.5933 |
| 11 | 1.3267 | 1.6487 | 1.2755 | 1.5344 | 1.2045 | 1.5086 | 1.4848 | 0.6774 |
| | 1.5985 | 1.3095 | 1.6601 | 1.3915 | 1.7115 | 1.4005 | 1.4339 | 2.8279 |
| 12 | 1.6940 | 1.4068 | 1.6216 | 1.2058 | 1.0339 | 1.2671 | 0.8916 | |
| | 1.2742 | 1.5059 | 1.3273 | 1.7099 | 1.5776 | 1.4107 | 2.0336 | |
| 13 | 1.4872 | 1.4790 | 1.4474 | 1.5140 | 1.2700 | 0.7476 | 0.4516 | |
| | 1.4114 | 1.4221 | 1.4459 | 1.3982 | 1.4093 | 1.9412 | 3.6034 | |
| 14 | 1.6814 | 1.6672 | 1.6250 | 1.4925 | 0.8949 | 0.4523 | | |
| | 1.2787 | 1.2882 | 1.3171 | 1.4264 | 2.0276 | 3.5990 | | |
| 15 | 0.8707 | 0.7847 | 0.8087 | 0.6896 | F-SUB-Q | | | |
| | 2.2264 | 2.4534 | 2.3717 | 2.7779 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1633 | 1.1423 | 1.2173 | 1.3758 | 1.7753 | 1.5435 | 1.7726 | 0.9055 |
| | 1.4313 | 1.7591 | 1.8084 | 1.5836 | 1.2484 | 1.3969 | 1.2448 | 2.1988 |
| 9 | 1.1423 | 1.5234 | 1.4178 | 1.7309 | 1.4591 | 1.5365 | 1.7623 | 0.9018 |
| | 1.7591 | 1.4543 | 1.5484 | 1.2818 | 1.4911 | 1.4072 | 1.2516 | 2.2024 |
| 10 | 1.2173 | 1.4180 | 1.2045 | 1.3260 | 1.7080 | 1.5076 | 1.7144 | 0.7777 |
| | 1.8084 | 1.5483 | 1.8260 | 1.6429 | 1.2939 | 1.4248 | 1.2814 | 2.5453 |
| 11 | 1.3758 | 1.7311 | 1.3266 | 1.6226 | 1.2629 | 1.6102 | 1.5824 | 0.7113 |
| | 1.5836 | 1.2816 | 1.6422 | 1.3588 | 1.6898 | 1.3590 | 1.3843 | 2.7661 |
| 12 | 1.7753 | 1.4592 | 1.7092 | 1.2643 | 1.0926 | 1.3549 | 0.9435 | |
| | 1.2484 | 1.4908 | 1.2929 | 1.6884 | 1.5586 | 1.3733 | 1.9944 | |
| 13 | 1.5435 | 1.5357 | 1.5106 | 1.6155 | 1.3578 | 0.7912 | 0.4744 | |
| | 1.3969 | 1.4078 | 1.4216 | 1.3569 | 1.3720 | 1.9200 | 3.5837 | |
| 14 | 1.7726 | 1.7590 | 1.7196 | 1.5902 | 0.9468 | 0.4752 | | |
| | 1.2448 | 1.2540 | 1.2772 | 1.3773 | 1.9887 | 3.5794 | | |
| 15 | 0.9055 | 0.8199 | 0.8445 | 0.7238 | F-SUB-Q | | | |
| | 2.1988 | 2.4130 | 2.3341 | 2.7182 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2064 | 1.1678 | 1.2411 | 1.3949 | 1.8068 | 1.5641 | 1.8113 | 0.9228 |
| | 1.4527 | 1.7957 | 1.8404 | 1.6157 | 1.2647 | 1.4166 | 1.2521 | 2.2192 |
| 9 | 1.1678 | 1.5586 | 1.4401 | 1.7652 | 1.4798 | 1.5579 | 1.8023 | 0.9216 |
| | 1.7957 | 1.4765 | 1.5816 | 1.3003 | 1.5197 | 1.4265 | 1.2581 | 2.2168 |
| 10 | 1.2411 | 1.4403 | 1.2236 | 1.3508 | 1.7500 | 1.5379 | 1.7607 | 0.7997 |
| | 1.8404 | 1.5814 | 1.8660 | 1.6744 | 1.3096 | 1.4451 | 1.2890 | 2.5521 |
| 11 | 1.3949 | 1.7654 | 1.3514 | 1.6731 | 1.3001 | 1.6698 | 1.6393 | 0.7347 |
| | 1.6157 | 1.3002 | 1.6736 | 1.3697 | 1.7094 | 1.3637 | 1.3930 | 2.7823 |
| 12 | 1.8068 | 1.4799 | 1.7512 | 1.3018 | 1.1436 | 1.4181 | 0.9849 | |
| | 1.2647 | 1.5195 | 1.3087 | 1.7079 | 1.5835 | 1.3854 | 2.0034 | |
| 13 | 1.5641 | 1.5572 | 1.5408 | 1.6750 | 1.4209 | 0.8334 | 0.4961 | |
| | 1.4166 | 1.4272 | 1.4421 | 1.3616 | 1.3841 | 1.9476 | 3.6407 | |
| 14 | 1.8113 | 1.7989 | 1.7660 | 1.6470 | 0.9881 | 0.4968 | | |
| | 1.2521 | 1.2604 | 1.2849 | 1.3861 | 1.9978 | 3.6365 | | |
| 15 | 0.9228 | 0.8412 | 0.8661 | 0.7474 | F-SUB-Q | | | |
| | 2.2192 | 2.4192 | 2.3468 | 2.7346 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2893 | 1.2051 | 1.2535 | 1.4101 | 1.8409 | 1.5827 | 1.8504 | 0.9278 |
| | 1.4789 | 1.8420 | 1.9155 | 1.6720 | 1.2951 | 1.4537 | 1.2719 | 2.2901 |
| 9 | 1.2051 | 1.6055 | 1.4639 | 1.8017 | 1.4970 | 1.5795 | 1.8430 | 0.9267 |
| | 1.8420 | 1.4998 | 1.6361 | 1.3335 | 1.5703 | 1.4648 | 1.2785 | 2.2890 |
| 10 | 1.2535 | 1.4641 | 1.2373 | 1.3743 | 1.7972 | 1.5684 | 1.8100 | 0.8055 |
| | 1.9155 | 1.6358 | 1.9407 | 1.7313 | 1.3398 | 1.4839 | 1.3111 | 2.6432 |
| 11 | 1.4101 | 1.8019 | 1.3749 | 1.7365 | 1.3435 | 1.7389 | 1.7035 | 0.7440 |
| | 1.6720 | 1.3333 | 1.7305 | 1.3803 | 1.7356 | 1.3693 | 1.4168 | 2.8885 |
| 12 | 1.8409 | 1.4971 | 1.7984 | 1.3447 | 1.2202 | 1.5077 | 1.0197 | |
| | 1.2951 | 1.5701 | 1.3389 | 1.7341 | 1.6163 | 1.4021 | 2.0496 | |
| 13 | 1.5827 | 1.5799 | 1.5712 | 1.7441 | 1.5102 | 0.8937 | 0.5172 | |
| | 1.4537 | 1.4656 | 1.4809 | 1.3672 | 1.4009 | 2.0050 | 3.7677 | |
| 14 | 1.8504 | 1.8397 | 1.8153 | 1.7111 | 1.0228 | 0.5178 | | |
| | 1.2719 | 1.2808 | 1.3071 | 1.4102 | 2.0439 | 3.7635 | | |
| 15 | 0.9278 | 0.8447 | 0.8736 | 0.7560 | F-SUB-Q | | | |
| | 2.2901 | 2.5017 | 2.4274 | 2.8414 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4395 | 1.2483 | 1.2638 | 1.4165 | 1.8555 | 1.5894 | 1.8682 | 0.9300 |
| | 1.5203 | 1.9034 | 2.0207 | 1.7601 | 1.3551 | 1.5204 | 1.3218 | 2.3970 |
| 9 | 1.2483 | 1.6438 | 1.4792 | 1.8201 | 1.5040 | 1.5917 | 1.8628 | 0.9296 |
| | 1.9034 | 1.5448 | 1.7231 | 1.3969 | 1.6513 | 1.5322 | 1.3289 | 2.3952 |
| 10 | 1.2638 | 1.4795 | 1.2479 | 1.3905 | 1.8283 | 1.5875 | 1.8400 | 0.8108 |
| | 2.0207 | 1.7227 | 2.0492 | 1.8214 | 1.4003 | 1.5523 | 1.3634 | 2.7686 |
| 11 | 1.4165 | 1.8202 | 1.3912 | 1.7911 | 1.3870 | 1.7952 | 1.7534 | 0.7537 |
| | 1.7601 | 1.3968 | 1.8205 | 1.4185 | 1.7894 | 1.4020 | 1.4496 | 3.0295 |
| 12 | 1.8555 | 1.5041 | 1.8294 | 1.3882 | 1.3566 | 1.6347 | 1.0599 | |
| | 1.3551 | 1.6511 | 1.3994 | 1.7880 | 1.6600 | 1.4322 | 2.1058 | |
| 13 | 1.5894 | 1.5921 | 1.5911 | 1.8002 | 1.6365 | 0.9943 | 0.5438 | |
| | 1.5204 | 1.5330 | 1.5491 | 1.4000 | 1.4310 | 2.0678 | 3.8892 | |
| 14 | 1.8682 | 1.8595 | 1.8454 | 1.7608 | 1.0628 | 0.5444 | | |
| | 1.3218 | 1.3312 | 1.3593 | 1.4438 | 2.1003 | 3.8849 | | |
| 15 | 0.9300 | 0.8475 | 0.8797 | 0.7657 | F-SUB-Q | | | |
| | 2.3970 | 2.6177 | 2.5416 | 2.9801 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6689 | 1.3198 | 1.2718 | 1.4227 | 1.8724 | 1.5958 | 1.8869 | 0.9291 |
| | 1.5867 | 1.9954 | 2.1540 | 1.8694 | 1.4290 | 1.6050 | 1.3860 | 2.5401 |
| 9 | 1.3198 | 1.6853 | 1.4958 | 1.8404 | 1.5110 | 1.6036 | 1.8834 | 0.9274 |
| | 1.9954 | 1.6094 | 1.8278 | 1.4750 | 1.7520 | 1.6176 | 1.3936 | 2.5431 |
| 10 | 1.2718 | 1.4961 | 1.2606 | 1.4060 | 1.8694 | 1.6145 | 1.8706 | 0.8119 |
| | 2.1540 | 1.8274 | 2.1674 | 1.9267 | 1.4579 | 1.6386 | 1.4303 | 2.9407 |
| 11 | 1.4227 | 1.8405 | 1.4066 | 1.8473 | 1.4269 | 1.8568 | 1.8024 | 0.7580 |
| | 1.8694 | 1.4749 | 1.9260 | 1.4730 | 1.8676 | 1.4517 | 1.4924 | 3.2243 |
| 12 | 1.8724 | 1.5110 | 1.8708 | 1.4280 | 1.4728 | 1.7528 | 1.0930 | |
| | 1.4290 | 1.7519 | 1.4568 | 1.8660 | 1.7309 | 1.4834 | 2.2019 | |
| 13 | 1.5958 | 1.6040 | 1.6187 | 1.8595 | 1.7545 | 1.0758 | 0.5667 | |
| | 1.6050 | 1.6184 | 1.6350 | 1.4497 | 1.4822 | 2.1661 | 4.0822 | |
| 14 | 1.8869 | 1.8802 | 1.8759 | 1.8097 | 1.0958 | 0.5672 | | |
| | 1.3860 | 1.3960 | 1.4260 | 1.4863 | 2.1963 | 4.0779 | | |
| 15 | 0.9291 | 0.8459 | 0.8820 | 0.7706 | F-SUB-Q | | | |
| | 2.5401 | 2.7781 | 2.6961 | 3.1708 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7138 | 1.3509 | 1.2800 | 1.4132 | 1.8517 | 1.5815 | 1.8658 | 0.9310 |
| | 1.7003 | 2.1254 | 2.2741 | 2.0207 | 1.5481 | 1.7293 | 1.4955 | 2.7032 |
| 9 | 1.3509 | 1.7042 | 1.4902 | 1.8230 | 1.5002 | 1.5937 | 1.8640 | 0.9342 |
| | 2.1254 | 1.7166 | 1.9432 | 1.5999 | 1.8933 | 1.7431 | 1.5038 | 2.6933 |
| 10 | 1.2800 | 1.4905 | 1.2664 | 1.4040 | 1.8689 | 1.6155 | 1.8597 | 0.8239 |
| | 2.2741 | 1.9427 | 2.2827 | 2.0394 | 1.5464 | 1.7344 | 1.5435 | 3.1015 |
| 11 | 1.4132 | 1.8231 | 1.4045 | 1.8552 | 1.4403 | 1.8673 | 1.8072 | 0.7748 |
| | 2.0207 | 1.5998 | 2.0387 | 1.5594 | 1.9687 | 1.5340 | 1.5774 | 3.3358 |
| 12 | 1.8517 | 1.5002 | 1.8702 | 1.4413 | 1.5174 | 1.7915 | 1.1262 | |
| | 1.5481 | 1.8932 | 1.5453 | 1.9673 | 1.8438 | 1.5803 | 2.2895 | |
| 13 | 1.5815 | 1.5941 | 1.6194 | 1.8698 | 1.7931 | 1.1261 | 0.5890 | |
| | 1.7293 | 1.7440 | 1.7299 | 1.5319 | 1.5791 | 2.2778 | 4.2676 | |
| 14 | 1.8658 | 1.8608 | 1.8650 | 1.8143 | 1.1288 | 0.5895 | | |
| | 1.4955 | 1.5064 | 1.5389 | 1.5712 | 2.2836 | 4.2631 | | |
| 15 | 0.9310 | 0.8562 | 0.8935 | 0.7859 | F-SUB-Q | | | |
| | 2.7032 | 2.9285 | 2.8482 | 3.2878 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7685 | 1.3777 | 1.2784 | 1.4206 | 1.8784 | 1.5919 | 1.8951 | 0.9247 |
| | 1.7683 | 2.2335 | 2.4242 | 2.1614 | 1.6426 | 1.8434 | 1.5792 | 2.9167 |
| 9 | 1.3777 | 1.7499 | 1.5063 | 1.8518 | 1.5089 | 1.6078 | 1.8947 | 0.9258 |
| | 2.2335 | 1.7888 | 2.0465 | 1.6842 | 2.0271 | 1.8576 | 1.5878 | 2.9130 |
| 10 | 1.2784 | 1.5067 | 1.2675 | 1.4194 | 1.9104 | 1.6399 | 1.8971 | 0.8146 |
| | 2.4242 | 2.0460 | 2.4327 | 2.1499 | 1.6119 | 1.8182 | 1.6073 | 3.3691 |
| 11 | 1.4206 | 1.8518 | 1.4199 | 1.8997 | 1.4616 | 1.9172 | 1.8544 | 0.7672 |
| | 2.1614 | 1.6841 | 2.1493 | 1.6250 | 2.0699 | 1.5938 | 1.6373 | 3.5816 |
| 12 | 1.8784 | 1.5089 | 1.9115 | 1.4624 | 1.5587 | 1.8514 | 1.1322 | |
| | 1.6426 | 2.0271 | 1.6110 | 2.0684 | 1.9239 | 1.6360 | 2.4317 | |
| 13 | 1.5919 | 1.6081 | 1.6437 | 1.9195 | 1.8528 | 1.1406 | 0.5911 | |
| | 1.8434 | 1.8586 | 1.8136 | 1.5916 | 1.6347 | 2.4133 | 4.5489 | |
| 14 | 1.8951 | 1.8938 | 1.9021 | 1.8614 | 1.1347 | 0.5915 | | |
| | 1.5792 | 1.5905 | 1.6028 | 1.6311 | 2.4257 | 4.5443 | | |
| 15 | 0.9247 | 0.8448 | 0.8847 | 0.7794 | F-SUB-Q | | | |
| | 2.9167 | 3.1815 | 3.0895 | 3.5244 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7824 | 1.3838 | 1.2774 | 1.4170 | 1.8782 | 1.5879 | 1.8961 | 0.9216 |
| | 1.8237 | 2.2961 | 2.4821 | 2.2248 | 1.7116 | 1.9692 | 1.6956 | 3.1444 |
| 9 | 1.3838 | 1.7602 | 1.5062 | 1.8532 | 1.5051 | 1.6062 | 1.8980 | 0.9234 |
| | 2.2961 | 1.8384 | 2.1019 | 1.7358 | 2.0944 | 1.9567 | 1.6964 | 3.1383 |
| 10 | 1.2774 | 1.5066 | 1.2658 | 1.4206 | 1.9191 | 1.6443 | 1.9040 | 0.8140 |
| | 2.4821 | 2.1014 | 2.5052 | 2.2264 | 1.6818 | 1.9130 | 1.6931 | 3.5745 |
| 11 | 1.4170 | 1.8532 | 1.4210 | 1.9099 | 1.4662 | 1.9307 | 1.8682 | 0.7686 |
| | 2.2248 | 1.7358 | 2.2258 | 1.6917 | 2.1633 | 1.6748 | 1.7298 | 3.7885 |
| 12 | 1.8782 | 1.5050 | 1.9201 | 1.4669 | 1.5710 | 1.8709 | 1.1401 | |
| | 1.7116 | 2.0944 | 1.6809 | 2.1621 | 2.0416 | 1.7348 | 2.5749 | |
| 13 | 1.5879 | 1.6065 | 1.6480 | 1.9328 | 1.8722 | 1.1503 | 0.5945 | |
| | 1.9692 | 1.9563 | 1.9085 | 1.6731 | 1.7337 | 2.5657 | 4.8448 | |
| 14 | 1.8961 | 1.8977 | 1.9090 | 1.8751 | 1.1425 | 0.5949 | | |
| | 1.6956 | 1.6969 | 1.6887 | 1.7235 | 2.5689 | 4.8402 | | |
| 15 | 0.9216 | 0.8430 | 0.8843 | 0.7805 | F-SUB-Q | | | |
| | 3.1444 | 3.4264 | 3.2774 | 3.7304 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7672 | 1.3758 | 1.2765 | 1.4038 | 1.8553 | 1.5718 | 1.8746 | 0.9204 |
| | 1.8234 | 2.2878 | 2.4525 | 2.2158 | 1.7094 | 1.9582 | 1.6886 | 3.1083 |
| 9 | 1.3758 | 1.7437 | 1.4923 | 1.8315 | 1.4906 | 1.5917 | 1.8781 | 0.9248 |
| | 2.2878 | 1.8380 | 2.0955 | 1.7336 | 2.0864 | 1.9483 | 1.6907 | 3.0874 |
| 10 | 1.2765 | 1.4927 | 1.2676 | 1.4104 | 1.9016 | 1.6327 | 1.8862 | 0.8197 |
| | 2.4525 | 2.0949 | 2.4743 | 2.2164 | 1.6787 | 1.9050 | 1.6882 | 3.5019 |
| 11 | 1.4038 | 1.8315 | 1.4108 | 1.8931 | 1.4579 | 1.9160 | 1.8553 | 0.7763 |
| | 2.2158 | 1.7335 | 2.2158 | 1.6890 | 2.1527 | 1.6710 | 1.7243 | 3.7061 |
| 12 | 1.8553 | 1.4905 | 1.9024 | 1.4585 | 1.5631 | 1.8602 | 1.1497 | |
| | 1.7094 | 2.0864 | 1.6779 | 2.1516 | 2.0358 | 1.7321 | 2.5308 | |
| 13 | 1.5718 | 1.5920 | 1.6363 | 1.9180 | 1.8614 | 1.1582 | 0.5996 | |
| | 1.9582 | 1.9479 | 1.9006 | 1.6693 | 1.7310 | 2.5320 | 4.7799 | |
| 14 | 1.8746 | 1.8778 | 1.8912 | 1.8620 | 1.1521 | 0.6000 | | |
| | 1.6886 | 1.6923 | 1.6839 | 1.7181 | 2.5250 | 4.7754 | | |
| 15 | 0.9204 | 0.8486 | 0.8903 | 0.7872 | F-SUB-Q | | | |
| | 3.1083 | 3.3524 | 3.2117 | 3.6544 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7905 | 1.3811 | 1.2675 | 1.4055 | 1.8741 | 1.5774 | 1.8978 | 0.9116 |
| | 1.7708 | 2.2262 | 2.4023 | 2.1560 | 1.6522 | 1.9011 | 1.6272 | 3.0398 |
| 9 | 1.3811 | 1.7651 | 1.4988 | 1.8510 | 1.4931 | 1.5988 | 1.9031 | 0.9133 |
| | 2.2262 | 1.7816 | 2.0345 | 1.6757 | 2.0309 | 1.8968 | 1.6331 | 3.0319 |
| 10 | 1.2675 | 1.4992 | 1.2558 | 1.4142 | 1.9257 | 1.6447 | 1.9130 | 0.8068 |
| | 2.4023 | 2.0339 | 2.4309 | 2.1656 | 1.6304 | 1.8591 | 1.6335 | 3.4666 |
| 11 | 1.4055 | 1.8510 | 1.4146 | 1.9172 | 1.4634 | 1.9438 | 1.8858 | 0.7634 |
| | 2.1560 | 1.6757 | 2.1651 | 1.6418 | 2.1099 | 1.6256 | 1.6728 | 3.6851 |
| 12 | 1.8741 | 1.4929 | 1.9265 | 1.4640 | 1.5764 | 1.8901 | 1.1409 | |
| | 1.6522 | 2.0310 | 1.6297 | 2.1089 | 1.9981 | 1.6878 | 2.5173 | |
| 13 | 1.5774 | 1.5991 | 1.6482 | 1.9456 | 1.8912 | 1.1505 | 0.5908 | |
| | 1.9011 | 1.8965 | 1.8550 | 1.6242 | 1.6869 | 2.5186 | 4.7346 | |
| 14 | 1.8978 | 1.9028 | 1.9180 | 1.8924 | 1.1431 | 0.5912 | | |
| | 1.6272 | 1.6353 | 1.6295 | 1.6670 | 2.5118 | 4.7309 | | |
| 15 | 0.9116 | 0.8348 | 0.8779 | 0.7753 | F-SUB-Q | | | |
| | 3.0398 | 3.3038 | 3.1744 | 3.6286 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7941 | 1.3785 | 1.2607 | 1.4007 | 1.8749 | 1.5738 | 1.9019 | 0.9056 |
| | 1.6105 | 2.0324 | 2.2104 | 1.9905 | 1.5282 | 1.7675 | 1.5101 | 2.8284 |
| 9 | 1.3785 | 1.7677 | 1.4954 | 1.8524 | 1.4881 | 1.5963 | 1.9083 | 0.9054 |
| | 2.0324 | 1.6204 | 1.8669 | 1.5448 | 1.8800 | 1.7640 | 1.5133 | 2.8253 |
| 10 | 1.2607 | 1.4959 | 1.2498 | 1.4108 | 1.9299 | 1.6452 | 1.9197 | 0.8010 |
| | 2.2104 | 1.8663 | 2.2331 | 1.9929 | 1.5035 | 1.7210 | 1.5133 | 3.2191 |
| 11 | 1.4007 | 1.8524 | 1.4112 | 1.9212 | 1.4611 | 1.9508 | 1.8955 | 0.7574 |
| | 1.9905 | 1.5448 | 1.9925 | 1.5081 | 1.9430 | 1.4968 | 1.5396 | 3.4088 |
| 12 | 1.8749 | 1.4879 | 1.9307 | 1.4617 | 1.5771 | 1.8987 | 1.1375 | |
| | 1.5282 | 1.8802 | 1.5030 | 1.9424 | 1.8376 | 1.5490 | 2.3137 | |
| 13 | 1.5738 | 1.5966 | 1.6486 | 1.9525 | 1.8998 | 1.1462 | 0.5859 | |
| | 1.7675 | 1.7638 | 1.7176 | 1.4957 | 1.5483 | 2.3144 | 4.3668 | |
| 14 | 1.9019 | 1.9081 | 1.9261 | 1.9021 | 1.1396 | 0.5862 | | |
| | 1.5101 | 1.5157 | 1.5097 | 1.5348 | 2.3092 | 4.3635 | | |
| 15 | 0.9056 | 0.8286 | 0.8727 | 0.7696 | F-SUB-Q | | | |
| | 2.8284 | 3.0742 | 2.9446 | 3.3563 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7880 | 1.3719 | 1.2569 | 1.3929 | 1.8675 | 1.5659 | 1.8961 | 0.9016 |
| | 1.4858 | 1.8788 | 2.0447 | 1.8403 | 1.4090 | 1.6357 | 1.3947 | 2.6190 |
| 9 | 1.3719 | 1.7613 | 1.4883 | 1.8454 | 1.4800 | 1.5890 | 1.9032 | 0.9046 |
| | 1.8788 | 1.4960 | 1.7294 | 1.4276 | 1.7371 | 1.6291 | 1.3962 | 2.6060 |
| 10 | 1.2569 | 1.4888 | 1.2456 | 1.4037 | 1.9244 | 1.6391 | 1.9155 | 0.7996 |
| | 2.0447 | 1.7288 | 2.0713 | 1.8455 | 1.3885 | 1.5919 | 1.3978 | 2.9649 |
| 11 | 1.3929 | 1.8454 | 1.4041 | 1.9159 | 1.4550 | 1.9466 | 1.8928 | 0.7573 |
| | 1.8403 | 1.4276 | 1.8452 | 1.3920 | 1.7969 | 1.3804 | 1.4194 | 3.1447 |
| 12 | 1.8675 | 1.4798 | 1.9251 | 1.4556 | 1.5715 | 1.8957 | 1.1367 | |
| | 1.4090 | 1.7372 | 1.3882 | 1.7964 | 1.6954 | 1.4258 | 2.1305 | |
| 13 | 1.5659 | 1.5894 | 1.6425 | 1.9490 | 1.8967 | 1.1442 | 0.5839 | |
| | 1.6357 | 1.6289 | 1.5888 | 1.3795 | 1.4252 | 2.1312 | 4.0325 | |
| 14 | 1.8961 | 1.9031 | 1.9228 | 1.8993 | 1.1388 | 0.5842 | | |
| | 1.3947 | 1.3983 | 1.3945 | 1.4150 | 2.1264 | 4.0295 | | |
| 15 | 0.9016 | 0.8273 | 0.8709 | 0.7688 | F-SUB-Q | | | |
| | 2.6190 | 2.8375 | 2.7135 | 3.0992 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7668 | 1.3599 | 1.2548 | 1.3805 | 1.8458 | 1.5509 | 1.8744 | 0.8997 |
| | 1.5053 | 1.8996 | 2.0492 | 1.8578 | 1.4265 | 1.6561 | 1.4140 | 2.6343 |
| 9 | 1.3599 | 1.7402 | 1.4738 | 1.8239 | 1.4664 | 1.5743 | 1.8818 | 0.9051 |
| | 1.8996 | 1.5177 | 1.7481 | 1.4434 | 1.7545 | 1.6454 | 1.4144 | 2.6136 |
| 10 | 1.2548 | 1.4744 | 1.2460 | 1.3914 | 1.9031 | 1.6244 | 1.8949 | 0.8034 |
| | 2.0492 | 1.7475 | 2.0787 | 1.8658 | 1.4065 | 1.6090 | 1.4114 | 2.9543 |
| 11 | 1.3805 | 1.8239 | 1.3919 | 1.8948 | 1.4433 | 1.9261 | 1.8732 | 0.7620 |
| | 1.8578 | 1.4434 | 1.8654 | 1.4108 | 1.8164 | 1.3984 | 1.4372 | 3.1295 |
| 12 | 1.8458 | 1.4662 | 1.9038 | 1.4439 | 1.5569 | 1.8760 | 1.1404 | |
| | 1.4265 | 1.7546 | 1.4061 | 1.8158 | 1.7131 | 1.4418 | 2.1288 | |
| 13 | 1.5509 | 1.5746 | 1.6277 | 1.9292 | 1.8769 | 1.1453 | 0.5850 | |
| | 1.6561 | 1.6451 | 1.6058 | 1.3974 | 1.4412 | 2.1316 | 4.0375 | |
| 14 | 1.8744 | 1.8818 | 1.9029 | 1.8798 | 1.1425 | 0.5853 | | |
| | 1.4140 | 1.4147 | 1.4080 | 1.4327 | 2.1247 | 4.0344 | | |
| 15 | 0.8997 | 0.8312 | 0.8746 | 0.7728 | F-SUB-Q | | | |
| | 2.6343 | 2.8338 | 2.7047 | 3.0875 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7854 | 1.3614 | 1.2428 | 1.3807 | 1.8644 | 1.5550 | 1.8960 | 0.8876 |
| | 1.3862 | 1.7696 | 1.9323 | 1.7377 | 1.3211 | 1.5471 | 1.3089 | 2.5035 |
| 9 | 1.3614 | 1.7582 | 1.4786 | 1.8426 | 1.4676 | 1.5790 | 1.9041 | 0.8883 |
| | 1.7696 | 1.4010 | 1.6264 | 1.3353 | 1.6400 | 1.5343 | 1.3072 | 2.4963 |
| 10 | 1.2428 | 1.4792 | 1.2291 | 1.3917 | 1.9230 | 1.6316 | 1.9187 | 0.7860 |
| | 1.9323 | 1.6258 | 1.9574 | 1.7388 | 1.2967 | 1.4926 | 1.3019 | 2.8253 |
| 11 | 1.3807 | 1.8425 | 1.3921 | 1.9147 | 1.4440 | 1.9492 | 1.8971 | 0.7436 |
| | 1.7377 | 1.3353 | 1.7384 | 1.3008 | 1.6919 | 1.2878 | 1.3219 | 2.9925 |
| 12 | 1.8644 | 1.4673 | 1.9238 | 1.4446 | 1.5641 | 1.8987 | 1.1237 | |
| | 1.3211 | 1.6402 | 1.2963 | 1.6913 | 1.5876 | 1.3294 | 2.0164 | |
| 13 | 1.5550 | 1.5794 | 1.6350 | 1.9530 | 1.8997 | 1.1305 | 0.5717 | |
| | 1.5471 | 1.5340 | 1.4896 | 1.2864 | 1.3288 | 2.0154 | 3.8628 | |
| 14 | 1.8960 | 1.9041 | 1.9268 | 1.9038 | 1.1258 | 0.5721 | | |
| | 1.3089 | 1.3072 | 1.2987 | 1.3176 | 2.0124 | 3.8598 | | |
| 15 | 0.8876 | 0.8134 | 0.8582 | 0.7556 | F-SUB-Q | | | |
| | 2.5035 | 2.7145 | 2.5792 | 2.9465 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7707 | 1.3487 | 1.2307 | 1.3674 | 1.8501 | 1.5412 | 1.8816 | 0.8762 |
| | 1.3093 | 1.6777 | 1.8428 | 1.6583 | 1.2576 | 1.4760 | 1.2463 | 2.4004 |
| 9 | 1.3487 | 1.7441 | 1.4661 | 1.8282 | 1.4538 | 1.5652 | 1.8897 | 0.8770 |
| | 1.6777 | 1.3274 | 1.5483 | 1.2706 | 1.5646 | 1.4621 | 1.2434 | 2.3929 |
| 10 | 1.2307 | 1.4667 | 1.2163 | 1.3773 | 1.9067 | 1.6173 | 1.9044 | 0.7755 |
| | 1.8428 | 1.5476 | 1.8672 | 1.6565 | 1.2315 | 1.4190 | 1.2370 | 2.7071 |
| 11 | 1.3674 | 1.8282 | 1.3778 | 1.8994 | 1.4292 | 1.9334 | 1.8821 | 0.7335 |
| | 1.6583 | 1.2706 | 1.6561 | 1.2338 | 1.6090 | 1.2210 | 1.2534 | 2.8629 |
| 12 | 1.8501 | 1.4536 | 1.9076 | 1.4300 | 1.5503 | 1.8844 | 1.1109 | |
| | 1.2576 | 1.5648 | 1.2310 | 1.6084 | 1.5002 | 1.2558 | 1.9166 | |
| 13 | 1.5412 | 1.5657 | 1.6208 | 1.9377 | 1.8855 | 1.1183 | 0.5633 | |
| | 1.4760 | 1.4617 | 1.4160 | 1.2192 | 1.2552 | 1.9111 | 3.6840 | |
| 14 | 1.8816 | 1.8899 | 1.9127 | 1.8891 | 1.1131 | 0.5636 | | |
| | 1.2463 | 1.2434 | 1.2335 | 1.2492 | 1.9127 | 3.6811 | | |
| 15 | 0.8762 | 0.8028 | 0.8478 | 0.7455 | F-SUB-Q | | | |
| | 2.4004 | 2.6031 | 2.4682 | 2.8182 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7090 | 1.3144 | 1.2129 | 1.3331 | 1.7884 | 1.5007 | 1.8156 | 0.8618 |
| | 1.2888 | 1.6377 | 1.7843 | 1.6232 | 1.2404 | 1.4464 | 1.2313 | 2.3314 |
| 9 | 1.3144 | 1.6850 | 1.4280 | 1.7657 | 1.4169 | 1.5243 | 1.8228 | 0.8674 |
| | 1.6377 | 1.3066 | 1.5158 | 1.2538 | 1.5317 | 1.4314 | 1.2280 | 2.3110 |
| 10 | 1.2129 | 1.4286 | 1.2018 | 1.3407 | 1.8381 | 1.5715 | 1.8366 | 0.7685 |
| | 1.7843 | 1.5151 | 1.8082 | 1.6213 | 1.2155 | 1.3900 | 1.2206 | 2.6075 |
| 11 | 1.3331 | 1.7658 | 1.3412 | 1.8332 | 1.3908 | 1.8618 | 1.8126 | 0.7282 |
| | 1.6232 | 1.2538 | 1.6208 | 1.2158 | 1.5735 | 1.2047 | 1.2371 | 2.7495 |
| 12 | 1.7884 | 1.4167 | 1.8391 | 1.3916 | 1.5066 | 1.8172 | 1.0972 | |
| | 1.2404 | 1.5318 | 1.2149 | 1.5728 | 1.4654 | 1.2354 | 1.8447 | |
| 13 | 1.5007 | 1.5249 | 1.5752 | 1.8662 | 1.8184 | 1.1047 | 0.5576 | |
| | 1.4464 | 1.4310 | 1.3869 | 1.2031 | 1.2347 | 1.8369 | 3.5400 | |
| 14 | 1.8156 | 1.8232 | 1.8441 | 1.8197 | 1.0995 | 0.5580 | | |
| | 1.2313 | 1.2278 | 1.2164 | 1.2326 | 1.8407 | 3.5371 | | |
| 15 | 0.8618 | 0.7962 | 0.8400 | 0.7391 | F-SUB-Q | | | |
| | 2.3314 | 2.5072 | 2.3776 | 2.7101 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6562 | 1.2743 | 1.1654 | 1.2916 | 1.7348 | 1.4571 | 1.7585 | 0.8228 |
| | 1.2770 | 1.6235 | 1.7879 | 1.6125 | 1.2296 | 1.4334 | 1.2222 | 2.3524 |
| 9 | 1.2743 | 1.6353 | 1.3891 | 1.7123 | 1.3740 | 1.4804 | 1.7649 | 0.8247 |
| | 1.6235 | 1.2934 | 1.4994 | 1.2430 | 1.5199 | 1.4173 | 1.2187 | 2.3413 |
| 10 | 1.1654 | 1.3897 | 1.1503 | 1.2967 | 1.7784 | 1.5238 | 1.7778 | 0.7254 |
| | 1.7879 | 1.4987 | 1.8134 | 1.6116 | 1.2064 | 1.3770 | 1.2111 | 2.6599 |
| 11 | 1.2916 | 1.7124 | 1.2971 | 1.7751 | 1.3436 | 1.7984 | 1.7501 | 0.6865 |
| | 1.6125 | 1.2430 | 1.6112 | 1.2055 | 1.5645 | 1.1961 | 1.2294 | 2.8068 |
| 12 | 1.7348 | 1.3738 | 1.7794 | 1.3444 | 1.4627 | 1.7591 | 1.0420 | |
| | 1.2296 | 1.5200 | 1.2058 | 1.5638 | 1.4482 | 1.2236 | 1.8651 | |
| 13 | 1.4571 | 1.4810 | 1.5276 | 1.8025 | 1.7604 | 1.0562 | 0.5289 | |
| | 1.4334 | 1.4168 | 1.3737 | 1.1948 | 1.2229 | 1.8442 | 3.5889 | |
| 14 | 1.7585 | 1.7653 | 1.7838 | 1.7574 | 1.0444 | 0.5292 | | |
| | 1.2222 | 1.2185 | 1.2071 | 1.2247 | 1.8608 | 3.5858 | | |
| 15 | 0.8228 | 0.7524 | 0.7964 | 0.6981 | F-SUB-Q | | | |
| | 2.3524 | 2.5557 | 2.4145 | 2.7613 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5003 | 1.1749 | 1.0717 | 1.1892 | 1.5726 | 1.3402 | 1.5882 | 0.7569 |
| | 1.3654 | 1.7072 | 1.8857 | 1.6988 | 1.3139 | 1.5112 | 1.3109 | 2.4838 |
| 9 | 1.1749 | 1.4839 | 1.2807 | 1.5522 | 1.2657 | 1.3612 | 1.5928 | 0.7567 |
| | 1.7072 | 1.3806 | 1.5775 | 1.3284 | 1.5998 | 1.4938 | 1.3078 | 2.4774 |
| 10 | 1.0717 | 1.2813 | 1.0615 | 1.1931 | 1.6084 | 1.3983 | 1.6028 | 0.6624 |
| | 1.8857 | 1.5767 | 1.9039 | 1.6974 | 1.2913 | 1.4533 | 1.3003 | 2.8285 |
| 11 | 1.1892 | 1.5523 | 1.1935 | 1.6064 | 1.2343 | 1.6228 | 1.5734 | 0.6261 |
| | 1.6988 | 1.3284 | 1.6969 | 1.2895 | 1.6494 | 1.2826 | 1.3235 | 2.9879 |
| 12 | 1.5726 | 1.2656 | 1.6094 | 1.2349 | 1.3440 | 1.5882 | 0.9545 | |
| | 1.3139 | 1.5999 | 1.2906 | 1.6486 | 1.5259 | 1.3109 | 1.9730 | |
| 13 | 1.3402 | 1.3618 | 1.4019 | 1.6249 | 1.5894 | 0.9718 | 0.4859 | |
| | 1.5112 | 1.4933 | 1.4497 | 1.2812 | 1.3101 | 1.9421 | 3.7929 | |
| 14 | 1.5882 | 1.5931 | 1.6085 | 1.5805 | 0.9567 | 0.4862 | | |
| | 1.3109 | 1.3077 | 1.2961 | 1.3179 | 1.9684 | 3.7895 | | |
| 15 | 0.7569 | 0.6897 | 0.7314 | 0.6371 | F-SUB-Q | | | |
| | 2.4838 | 2.7076 | 2.5525 | 2.9373 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2287 | 0.9564 | 0.8726 | 0.9639 | 1.2768 | 1.0804 | 1.2840 | 0.6161 |
| | 1.6251 | 2.0462 | 2.2581 | 2.0450 | 1.5771 | 1.8285 | 1.5814 | 2.9826 |
| 9 | 0.9564 | 1.2112 | 1.0409 | 1.2619 | 1.0292 | 1.0941 | 1.2864 | 0.6211 |
| | 2.0462 | 1.6493 | 1.8937 | 1.5927 | 1.9193 | 1.8117 | 1.5789 | 2.9502 |
| 10 | 0.8726 | 1.0414 | 0.8624 | 0.9696 | 1.3090 | 1.1225 | 1.2880 | 0.5346 |
| | 2.2581 | 1.8928 | 2.2879 | 2.0378 | 1.5452 | 1.7636 | 1.5773 | 3.4259 |
| 11 | 0.9639 | 1.2619 | 0.9699 | 1.3109 | 1.0023 | 1.3155 | 1.2576 | 0.5087 |
| | 2.0450 | 1.5927 | 2.0373 | 1.5401 | 1.9804 | 1.5407 | 1.6140 | 3.5945 |
| 12 | 1.2768 | 1.0291 | 1.3097 | 1.0028 | 1.0971 | 1.2749 | 0.7731 | |
| | 1.5771 | 1.9194 | 1.5446 | 1.9795 | 1.8221 | 1.5916 | 2.3769 | |
| 13 | 1.0804 | 1.0946 | 1.1255 | 1.3169 | 1.2758 | 0.7914 | 0.3949 | |
| | 1.8285 | 1.8110 | 1.7590 | 1.5393 | 1.5906 | 2.3269 | 4.5653 | |
| 14 | 1.2840 | 1.2866 | 1.2922 | 1.2627 | 0.7749 | 0.3951 | | |
| | 1.5814 | 1.5789 | 1.5725 | 1.6079 | 2.3714 | 4.5610 | | |
| 15 | 0.6161 | 0.5589 | 0.5965 | 0.5168 | F-SUB-Q | | | |
| | 2.9826 | 3.2665 | 3.0587 | 3.5396 | M-SUB-Q | | | |

AT 75% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4990 | 0.4206 | 0.3946 | 0.4328 | 0.5175 | 0.4427 | 0.4887 | 0.2617 |
| | 3.9115 | 4.5516 | 4.8883 | 4.4562 | 3.8061 | 4.3563 | 4.0582 | 6.8793 |
| 9 | 0.4206 | 0.4874 | 0.4300 | 0.5087 | 0.4513 | 0.4474 | 0.4888 | 0.2631 |
| | 4.5516 | 4.0083 | 4.4815 | 3.8635 | 4.2791 | 4.3255 | 4.0576 | 6.8223 |
| 10 | 0.3946 | 0.4302 | 0.3908 | 0.4353 | 0.5264 | 0.4575 | 0.4877 | 0.2434 |
| | 4.8883 | 4.4797 | 4.9447 | 4.4400 | 3.7546 | 4.2177 | 4.0681 | 7.3728 |
| 11 | 0.4328 | 0.5087 | 0.4354 | 0.5124 | 0.4480 | 0.5244 | 0.4715 | 0.2217 |
| | 4.4562 | 3.8633 | 4.4390 | 3.8475 | 4.3318 | 3.7765 | 4.2065 | 8.0868 |
| 12 | 0.5175 | 0.4512 | 0.5268 | 0.4482 | 0.4447 | 0.4838 | 0.3254 | |
| | 3.8061 | 4.2791 | 3.7526 | 4.3294 | 4.3892 | 4.0965 | 5.5271 | |
| 13 | 0.4427 | 0.4477 | 0.4585 | 0.5251 | 0.4842 | 0.3334 | 0.1765 | |
| | 4.3563 | 4.3234 | 4.2124 | 3.7722 | 4.0933 | 5.4041 | *10.0161 | |
| 14 | 0.4887 | 0.4887 | 0.4894 | 0.4736 | 0.3262 | 0.1767 | | |
| | 4.0582 | 4.0592 | 4.0549 | 4.1887 | 5.5134 | *10.0056 | | |
| 15 | 0.2617 | 0.2514 | 0.2547 | 0.2256 | F-SUB-Q | | | |
| | 6.8793 | 7.1153 | 7.0194 | 7.9462 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4014 | 0.4509 | 0.4924 | 0.5471 | 0.6403 | 0.5660 | 0.6030 | 0.3469 |
| | 3.6304 | 4.1148 | 4.1098 | 3.6751 | 3.2865 | 3.5572 | 3.5541 | 5.4497 |
| 9 | 0.4509 | 0.5492 | 0.5273 | 0.6224 | 0.5720 | 0.5625 | 0.5989 | 0.3461 |
| | 4.1148 | 3.8409 | 3.8454 | 3.3708 | 3.5121 | 3.5784 | 3.5750 | 5.5136 |
| 10 | 0.4924 | 0.5274 | 0.4903 | 0.5280 | 0.6142 | 0.5460 | 0.5752 | 0.3107 |
| | 4.1098 | 3.8446 | 4.2016 | 3.8155 | 3.3961 | 3.6309 | 3.6321 | 5.9305 |
| 11 | 0.5471 | 0.6225 | 0.5282 | 0.5668 | 0.4948 | 0.5605 | 0.5231 | 0.2775 |
| | 3.6751 | 3.3705 | 3.8146 | 3.7101 | 4.0046 | 3.6878 | 3.9540 | 6.5411 |
| 12 | 0.6403 | 0.5720 | 0.6145 | 0.4950 | 0.3873 | 0.4454 | 0.3413 | |
| | 3.2865 | 3.5117 | 3.3948 | 4.0023 | 3.8809 | 3.8983 | 5.1293 | |
| 13 | 0.5660 | 0.5622 | 0.5464 | 0.5613 | 0.4461 | 0.2876 | 0.1903 | |
| | 3.5572 | 3.5785 | 3.6278 | 3.6827 | 3.8956 | 4.7635 | 8.1286 | |
| 14 | 0.6030 | 0.5979 | 0.5764 | 0.5250 | 0.3424 | 0.1905 | | |
| | 3.5541 | 3.5805 | 3.6246 | 3.9401 | 5.1148 | 8.1208 | | |
| 15 | 0.3469 | 0.3253 | 0.3257 | 0.2818 | F-SUB-Q | | | |
| | 5.4497 | 5.7078 | 5.6378 | 6.4344 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.8539 | 0.8995 | 0.9634 | 1.0772 | 1.3506 | 1.2035 | 1.3475 | 0.7406 |
| | 1.7898 | 2.0959 | 2.1590 | 1.9211 | 1.6034 | 1.7288 | 1.6356 | 2.6266 |
| 9 | 0.8995 | 1.1639 | 1.1119 | 1.3152 | 1.1457 | 1.2003 | 1.3390 | 0.7379 |
| | 2.0959 | 1.8390 | 1.8684 | 1.6401 | 1.8050 | 1.7291 | 1.6305 | 2.6359 |
| 10 | 0.9634 | 1.1121 | 0.9595 | 1.0411 | 1.3006 | 1.1639 | 1.2912 | 0.6278 |
| | 2.1590 | 1.8681 | 2.1960 | 1.9837 | 1.6505 | 1.7536 | 1.6624 | 3.0096 |
| 11 | 1.0772 | 1.3153 | 1.0414 | 1.2358 | 0.9812 | 1.2047 | 1.1787 | 0.5808 |
| | 1.9211 | 1.6400 | 1.9832 | 1.7294 | 2.0482 | 1.7533 | 1.7994 | 3.2163 |
| 12 | 1.3506 | 1.1457 | 1.3011 | 0.9819 | 0.8282 | 1.0049 | 0.7351 | |
| | 1.6034 | 1.8048 | 1.6500 | 2.0471 | 1.8580 | 1.7640 | 2.4226 | |
| 13 | 1.2035 | 1.1994 | 1.1656 | 1.2077 | 1.0065 | 0.6152 | 0.3934 | |
| | 1.7288 | 1.7302 | 1.7510 | 1.7518 | 1.7630 | 2.2826 | 4.0069 | |
| 14 | 1.3475 | 1.3363 | 1.2942 | 1.1835 | 0.7371 | 0.3939 | | |
| | 1.6356 | 1.6336 | 1.6588 | 1.7926 | 2.4161 | 4.0035 | | |
| 15 | 0.7406 | 0.6659 | 0.6893 | 0.5890 | F-SUB-Q | | | |
| | 2.6266 | 2.8523 | 2.7314 | 3.1691 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0305 | 1.0584 | 1.1390 | 1.2760 | 1.6044 | 1.4303 | 1.6100 | 0.8900 |
| | 1.5490 | 1.8119 | 1.8630 | 1.6525 | 1.3730 | 1.4675 | 1.3716 | 2.1918 |
| 9 | 1.0584 | 1.3758 | 1.3073 | 1.5617 | 1.3505 | 1.4250 | 1.6000 | 0.8882 |
| | 1.8119 | 1.5777 | 1.6154 | 1.4062 | 1.5598 | 1.4746 | 1.3762 | 2.2141 |
| 10 | 1.1390 | 1.3074 | 1.1305 | 1.2319 | 1.5460 | 1.3892 | 1.5468 | 0.7684 |
| | 1.8630 | 1.6152 | 1.8750 | 1.7053 | 1.4140 | 1.4952 | 1.4110 | 2.4970 |
| 11 | 1.2760 | 1.5618 | 1.2323 | 1.4614 | 1.1671 | 1.4483 | 1.4206 | 0.7051 |
| | 1.6525 | 1.4062 | 1.7049 | 1.4823 | 1.7520 | 1.4856 | 1.5213 | 2.6999 |
| 12 | 1.6044 | 1.3505 | 1.5466 | 1.1679 | 0.9906 | 1.2081 | 0.8951 | |
| | 1.3730 | 1.5597 | 1.4136 | 1.7512 | 1.6217 | 1.4997 | 2.0227 | |
| 13 | 1.4303 | 1.4240 | 1.3911 | 1.4519 | 1.2100 | 0.7392 | 0.4756 | |
| | 1.4675 | 1.4755 | 1.4930 | 1.4842 | 1.4989 | 1.9567 | 3.3798 | |
| 14 | 1.6100 | 1.5966 | 1.5504 | 1.4264 | 0.8976 | 0.4762 | | |
| | 1.3716 | 1.3790 | 1.4078 | 1.5154 | 2.0173 | 3.3770 | | |
| 15 | 0.8900 | 0.8111 | 0.8325 | 0.7154 | F-SUB-Q | | | |
| | 2.1918 | 2.3589 | 2.2969 | 2.6586 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1332 | 1.1308 | 1.2116 | 1.3695 | 1.7628 | 1.5435 | 1.7865 | 0.9475 |
| | 1.4357 | 1.7245 | 1.7871 | 1.5703 | 1.2720 | 1.3805 | 1.2533 | 2.0867 |
| 9 | 1.1308 | 1.5081 | 1.4061 | 1.7184 | 1.4500 | 1.5374 | 1.7760 | 0.9430 |
| | 1.7245 | 1.4623 | 1.5315 | 1.3026 | 1.4811 | 1.3887 | 1.2585 | 2.1156 |
| 10 | 1.2116 | 1.4062 | 1.2074 | 1.3247 | 1.7056 | 1.5055 | 1.7225 | 0.8159 |
| | 1.7871 | 1.5313 | 1.7889 | 1.6176 | 1.3071 | 1.4053 | 1.2898 | 2.3933 |
| 11 | 1.3695 | 1.7185 | 1.3251 | 1.6156 | 1.2610 | 1.6167 | 1.5884 | 0.7461 |
| | 1.5703 | 1.3026 | 1.6173 | 1.3652 | 1.6530 | 1.3590 | 1.3828 | 2.5998 |
| 12 | 1.7628 | 1.4500 | 1.7062 | 1.2618 | 1.0708 | 1.3502 | 0.9582 | |
| | 1.2720 | 1.4810 | 1.3067 | 1.6523 | 1.5286 | 1.3743 | 1.9290 | |
| 13 | 1.5435 | 1.5363 | 1.5073 | 1.6204 | 1.3521 | 0.7909 | 0.5020 | |
| | 1.3805 | 1.3896 | 1.4034 | 1.3579 | 1.3737 | 1.8805 | 3.2814 | |
| 14 | 1.7865 | 1.7724 | 1.7260 | 1.5943 | 0.9606 | 0.5025 | | |
| | 1.2533 | 1.2610 | 1.2872 | 1.3778 | 1.9241 | 3.2790 | | |
| 15 | 0.9475 | 0.8579 | 0.8799 | 0.7580 | F-SUB-Q | | | |
| | 2.0867 | 2.2627 | 2.2122 | 2.5563 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1617 | 1.1445 | 1.2314 | 1.3884 | 1.8015 | 1.5676 | 1.8369 | 0.9648 |
| | 1.4360 | 1.7429 | 1.8004 | 1.5819 | 1.2706 | 1.3881 | 1.2444 | 2.0936 |
| 9 | 1.1445 | 1.5399 | 1.4253 | 1.7586 | 1.4701 | 1.5610 | 1.8269 | 0.9626 |
| | 1.7429 | 1.4639 | 1.5472 | 1.2998 | 1.4913 | 1.3973 | 1.2499 | 2.1179 |
| 10 | 1.2314 | 1.4254 | 1.2199 | 1.3464 | 1.7503 | 1.5342 | 1.7760 | 0.8367 |
| | 1.8004 | 1.5470 | 1.8145 | 1.6260 | 1.2989 | 1.4057 | 1.2757 | 2.3851 |
| 11 | 1.3884 | 1.7587 | 1.3467 | 1.6621 | 1.2877 | 1.6744 | 1.6474 | 0.7659 |
| | 1.5819 | 1.2998 | 1.6256 | 1.3593 | 1.6593 | 1.3433 | 1.3624 | 2.5842 |
| 12 | 1.8015 | 1.4701 | 1.7507 | 1.2885 | 1.1028 | 1.4018 | 0.9874 | |
| | 1.2706 | 1.4912 | 1.2986 | 1.6586 | 1.5350 | 1.3647 | 1.9235 | |
| 13 | 1.5676 | 1.5598 | 1.5359 | 1.6778 | 1.4035 | 0.8131 | 0.5133 | |
| | 1.3881 | 1.3974 | 1.4037 | 1.3406 | 1.3642 | 1.8901 | 3.3138 | |
| 14 | 1.8369 | 1.8233 | 1.7793 | 1.6529 | 0.9897 | 0.5138 | | |
| | 1.2444 | 1.2524 | 1.2732 | 1.3579 | 1.9190 | 3.3116 | | |
| 15 | 0.9648 | 0.8784 | 0.8989 | 0.7769 | F-SUB-Q | | | |
| | 2.0936 | 2.2588 | 2.2126 | 2.5446 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1701 | 1.1436 | 1.2324 | 1.3808 | 1.7953 | 1.5602 | 1.8381 | 0.9655 |
| | 1.4764 | 1.7987 | 1.8518 | 1.6336 | 1.3053 | 1.4242 | 1.2699 | 2.1381 |
| 9 | 1.1436 | 1.5396 | 1.4192 | 1.7557 | 1.4622 | 1.5540 | 1.8291 | 0.9656 |
| | 1.7987 | 1.5047 | 1.5989 | 1.3371 | 1.5389 | 1.4337 | 1.2747 | 2.1577 |
| 10 | 1.2324 | 1.4193 | 1.2188 | 1.3433 | 1.7525 | 1.5328 | 1.7831 | 0.8439 |
| | 1.8518 | 1.5987 | 1.8708 | 1.6782 | 1.3345 | 1.4439 | 1.3028 | 2.4209 |
| 11 | 1.3808 | 1.7557 | 1.3436 | 1.6697 | 1.3000 | 1.6901 | 1.6637 | 0.7749 |
| | 1.6336 | 1.3371 | 1.6778 | 1.3899 | 1.7005 | 1.3726 | 1.3931 | 2.6324 |
| 12 | 1.7953 | 1.4621 | 1.7528 | 1.3008 | 1.1205 | 1.4220 | 1.0033 | |
| | 1.3053 | 1.5388 | 1.3342 | 1.6999 | 1.5798 | 1.3974 | 1.9577 | |
| 13 | 1.5602 | 1.5527 | 1.5344 | 1.6931 | 1.4235 | 0.8284 | 0.5216 | |
| | 1.4242 | 1.4341 | 1.4421 | 1.3718 | 1.3969 | 1.9403 | 3.4044 | |
| 14 | 1.8381 | 1.8255 | 1.7862 | 1.6688 | 1.0054 | 0.5220 | | |
| | 1.2699 | 1.2771 | 1.3005 | 1.3889 | 1.9533 | 3.4023 | | |
| 15 | 0.9655 | 0.8848 | 0.9069 | 0.7857 | F-SUB-Q | | | |
| | 2.1381 | 2.2914 | 2.2451 | 2.5930 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1944 | 1.1499 | 1.2243 | 1.3738 | 1.7965 | 1.5537 | 1.8450 | 0.9560 |
| | 1.5167 | 1.8593 | 1.9436 | 1.7056 | 1.3509 | 1.4759 | 1.3039 | 2.2252 |
| 9 | 1.1499 | 1.5539 | 1.4188 | 1.7603 | 1.4552 | 1.5491 | 1.8373 | 0.9556 |
| | 1.8593 | 1.5417 | 1.6678 | 1.3857 | 1.6049 | 1.4865 | 1.3096 | 2.2483 |
| 10 | 1.2243 | 1.4190 | 1.2107 | 1.3420 | 1.7641 | 1.5347 | 1.7979 | 0.8363 |
| | 1.9436 | 1.6676 | 1.9643 | 1.7521 | 1.3810 | 1.4982 | 1.3406 | 2.5304 |
| 11 | 1.3738 | 1.7603 | 1.3423 | 1.6905 | 1.3042 | 1.7175 | 1.6904 | 0.7693 |
| | 1.7056 | 1.3857 | 1.7518 | 1.4155 | 1.7435 | 1.3937 | 1.4348 | 2.7651 |
| 12 | 1.7965 | 1.4551 | 1.7643 | 1.3048 | 1.1399 | 1.4596 | 1.0118 | |
| | 1.3509 | 1.6049 | 1.3808 | 1.7431 | 1.6269 | 1.4288 | 2.0211 | |
| 13 | 1.5537 | 1.5487 | 1.5361 | 1.7202 | 1.4609 | 0.8463 | 0.5271 | |
| | 1.4759 | 1.4875 | 1.4966 | 1.3931 | 1.4285 | 2.0137 | 3.5547 | |
| 14 | 1.8450 | 1.8338 | 1.8007 | 1.6951 | 1.0136 | 0.5274 | | |
| | 1.3039 | 1.3120 | 1.3384 | 1.4307 | 2.0169 | 3.5528 | | |
| 15 | 0.9560 | 0.8747 | 0.8962 | 0.7804 | F-SUB-Q | | | |
| | 2.2252 | 2.3905 | 2.3535 | 2.7218 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2577 | 1.1700 | 1.2205 | 1.3643 | 1.7888 | 1.5414 | 1.8382 | 0.9469 |
| | 1.5641 | 1.9258 | 2.0592 | 1.8043 | 1.4219 | 1.5525 | 1.3643 | 2.3417 |
| 9 | 1.1700 | 1.5692 | 1.4173 | 1.7562 | 1.4450 | 1.5412 | 1.8322 | 0.9471 |
| | 1.9258 | 1.5933 | 1.7644 | 1.4603 | 1.6965 | 1.5643 | 1.3707 | 2.3657 |
| 10 | 1.2205 | 1.4175 | 1.2069 | 1.3402 | 1.7683 | 1.5327 | 1.8013 | 0.8314 |
| | 2.0592 | 1.7642 | 2.0821 | 1.8540 | 1.4539 | 1.5775 | 1.4048 | 2.6659 |
| 11 | 1.3643 | 1.7562 | 1.3405 | 1.7128 | 1.3189 | 1.7418 | 1.7115 | 0.7689 |
| | 1.8043 | 1.4603 | 1.8537 | 1.4633 | 1.8063 | 1.4371 | 1.4784 | 2.9191 |
| 12 | 1.7888 | 1.4448 | 1.7684 | 1.3192 | 1.1964 | 1.5128 | 1.0318 | |
| | 1.4219 | 1.6966 | 1.4538 | 1.8060 | 1.6785 | 1.4680 | 2.0877 | |
| 13 | 1.5414 | 1.5407 | 1.5340 | 1.7441 | 1.5138 | 0.8960 | 0.5424 | |
| | 1.5525 | 1.5654 | 1.5759 | 1.4367 | 1.4677 | 2.0852 | 3.6851 | |
| 14 | 1.8382 | 1.8287 | 1.8039 | 1.7158 | 1.0334 | 0.5427 | | |
| | 1.3643 | 1.3733 | 1.4027 | 1.4752 | 2.0836 | 3.6832 | | |
| 15 | 0.9469 | 0.8672 | 0.8910 | 0.7796 | F-SUB-Q | | | |
| | 2.3417 | 2.5149 | 2.4795 | 2.8742 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4054 | 1.2074 | 1.2201 | 1.3599 | 1.7898 | 1.5340 | 1.8382 | 0.9377 |
| | 1.6329 | 2.0189 | 2.1950 | 1.9205 | 1.5040 | 1.6440 | 1.4362 | 2.4889 |
| 9 | 1.2074 | 1.5996 | 1.4238 | 1.7614 | 1.4403 | 1.5386 | 1.8340 | 0.9369 |
| | 2.0189 | 1.6616 | 1.8657 | 1.5463 | 1.8042 | 1.6569 | 1.4433 | 2.5182 |
| 10 | 1.2201 | 1.4240 | 1.2112 | 1.3447 | 1.7857 | 1.5420 | 1.8127 | 0.8254 |
| | 2.1950 | 1.8654 | 2.1951 | 1.9565 | 1.5107 | 1.6647 | 1.4807 | 2.8396 |
| 11 | 1.3599 | 1.7613 | 1.3449 | 1.7523 | 1.3485 | 1.7784 | 1.7430 | 0.7677 |
| | 1.9205 | 1.5463 | 1.9564 | 1.5242 | 1.8902 | 1.4945 | 1.5292 | 3.1116 |
| 12 | 1.7898 | 1.4402 | 1.7858 | 1.3486 | 1.3190 | 1.6193 | 1.0574 | |
| | 1.5040 | 1.8043 | 1.5107 | 1.8900 | 1.7536 | 1.5256 | 2.1887 | |
| 13 | 1.5340 | 1.5380 | 1.5440 | 1.7804 | 1.6198 | 0.9860 | 0.5631 | |
| | 1.6440 | 1.6582 | 1.6624 | 1.4941 | 1.5254 | 2.1883 | 3.8771 | |
| 14 | 1.8382 | 1.8306 | 1.8151 | 1.7470 | 1.0588 | 0.5633 | | |
| | 1.4362 | 1.4460 | 1.4786 | 1.5260 | 2.1846 | 3.8753 | | |
| 15 | 0.9377 | 0.8580 | 0.8851 | 0.7779 | F-SUB-Q | | | |
| | 2.4889 | 2.6768 | 2.6396 | 3.0666 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6010 | 1.2618 | 1.2275 | 1.3464 | 1.7631 | 1.5128 | 1.8079 | 0.9350 |
| | 1.7467 | 2.1474 | 2.3018 | 2.0730 | 1.6280 | 1.7704 | 1.5494 | 2.6473 |
| 9 | 1.2618 | 1.6078 | 1.4166 | 1.7390 | 1.4248 | 1.5219 | 1.8055 | 0.9388 |
| | 2.1474 | 1.7695 | 1.9790 | 1.6753 | 1.9475 | 1.7851 | 1.5573 | 2.6666 |
| 10 | 1.2275 | 1.4169 | 1.2142 | 1.3394 | 1.7830 | 1.5379 | 1.7933 | 0.8334 |
| | 2.3018 | 1.9787 | 2.3070 | 2.0683 | 1.6015 | 1.7613 | 1.5954 | 2.9957 |
| 11 | 1.3464 | 1.7389 | 1.3396 | 1.7625 | 1.3650 | 1.7837 | 1.7434 | 0.7815 |
| | 2.0730 | 1.6754 | 2.0681 | 1.6138 | 1.9946 | 1.5804 | 1.6169 | 3.2201 |
| 12 | 1.7631 | 1.4246 | 1.7830 | 1.3651 | 1.4123 | 1.6894 | 1.0929 | |
| | 1.6280 | 1.9477 | 1.6015 | 1.9944 | 1.8685 | 1.6262 | 2.2764 | |
| 13 | 1.5128 | 1.5213 | 1.5397 | 1.7851 | 1.6896 | 1.0662 | 0.5905 | |
| | 1.7704 | 1.7865 | 1.7590 | 1.5792 | 1.6261 | 2.2992 | 4.0504 | |
| 14 | 1.8079 | 1.8021 | 1.7956 | 1.7471 | 1.0942 | 0.5906 | | |
| | 1.5494 | 1.5603 | 1.5933 | 1.6136 | 2.2722 | 4.0486 | | |
| 15 | 0.9350 | 0.8644 | 0.8948 | 0.7903 | F-SUB-Q | | | |
| | 2.6473 | 2.8199 | 2.7809 | 3.1795 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6832 | 1.3072 | 1.2243 | 1.3500 | 1.7822 | 1.5160 | 1.8270 | 0.9248 |
| | 1.8128 | 2.2500 | 2.4504 | 2.2060 | 1.7260 | 1.8861 | 1.6358 | 2.8535 |
| 9 | 1.3072 | 1.6666 | 1.4313 | 1.7614 | 1.4290 | 1.5290 | 1.8260 | 0.9267 |
| | 2.2500 | 1.8402 | 2.0801 | 1.7518 | 2.0755 | 1.9013 | 1.6443 | 2.8810 |
| 10 | 1.2243 | 1.4316 | 1.2157 | 1.3515 | 1.8205 | 1.5574 | 1.8214 | 0.8213 |
| | 2.4504 | 2.0797 | 2.4542 | 2.1778 | 1.6694 | 1.8466 | 1.6625 | 3.2513 |
| 11 | 1.3500 | 1.7613 | 1.3516 | 1.8080 | 1.3883 | 1.8314 | 1.7859 | 0.7717 |
| | 2.2060 | 1.7519 | 2.1777 | 1.6809 | 2.0952 | 1.6428 | 1.6792 | 3.4570 |
| 12 | 1.7822 | 1.4287 | 1.8203 | 1.3883 | 1.4710 | 1.7623 | 1.1026 | |
| | 1.7260 | 2.0757 | 1.6696 | 2.0951 | 1.9486 | 1.6841 | 2.4161 | |
| 13 | 1.5160 | 1.5284 | 1.5590 | 1.8317 | 1.7624 | 1.0965 | 0.5971 | |
| | 1.8861 | 1.9021 | 1.8444 | 1.6415 | 1.6841 | 2.4344 | 4.3149 | |
| 14 | 1.8270 | 1.8226 | 1.8236 | 1.7892 | 1.1037 | 0.5972 | | |
| | 1.6358 | 1.6474 | 1.6587 | 1.6761 | 2.4119 | 4.3133 | | |
| 15 | 0.9248 | 0.8494 | 0.8805 | 0.7814 | F-SUB-Q | | | |
| | 2.8535 | 3.0608 | 3.0224 | 3.4085 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7110 | 1.3231 | 1.2249 | 1.3457 | 1.7795 | 1.5086 | 1.8228 | 0.9197 |
| | 1.9152 | 2.3682 | 2.5621 | 2.3198 | 1.8327 | 2.0295 | 1.7547 | 3.0687 |
| 9 | 1.3231 | 1.6863 | 1.4327 | 1.7621 | 1.4240 | 1.5243 | 1.8230 | 0.9223 |
| | 2.3682 | 1.9373 | 2.1832 | 1.8509 | 2.1919 | 2.0259 | 1.7634 | 3.0964 |
| 10 | 1.2249 | 1.4330 | 1.2157 | 1.3538 | 1.8288 | 1.5601 | 1.8238 | 0.8193 |
| | 2.5621 | 2.1827 | 2.5818 | 2.3120 | 1.7742 | 1.9651 | 1.7644 | 3.4698 |
| 11 | 1.3457 | 1.7619 | 1.3539 | 1.8204 | 1.3949 | 1.8455 | 1.7981 | 0.7722 |
| | 2.3198 | 1.8511 | 2.3120 | 1.7855 | 2.2302 | 1.7425 | 1.7802 | 3.6779 |
| 12 | 1.7795 | 1.4237 | 1.8285 | 1.3947 | 1.4910 | 1.7881 | 1.1131 | |
| | 1.8327 | 2.1922 | 1.7745 | 2.2302 | 2.0691 | 1.7838 | 2.5637 | |
| 13 | 1.5086 | 1.5236 | 1.5615 | 1.8455 | 1.7881 | 1.1133 | 0.6039 | |
| | 2.0295 | 2.0268 | 1.9629 | 1.7413 | 1.7838 | 2.5827 | 4.5858 | |
| 14 | 1.8228 | 1.8213 | 1.8259 | 1.8011 | 1.1140 | 0.6039 | | |
| | 1.7547 | 1.7667 | 1.7605 | 1.7772 | 2.5595 | 4.5843 | | |
| 15 | 0.9197 | 0.8457 | 0.8786 | 0.7821 | F-SUB-Q | | | |
| | 3.0687 | 3.2883 | 3.2238 | 3.6252 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7060 | 1.3219 | 1.2273 | 1.3341 | 1.7580 | 1.4920 | 1.7999 | 0.9179 |
| | 1.8863 | 2.3201 | 2.4882 | 2.2732 | 1.8020 | 2.0177 | 1.7638 | 3.0526 |
| 9 | 1.3219 | 1.6781 | 1.4221 | 1.7435 | 1.4106 | 1.5094 | 1.8019 | 0.9231 |
| | 2.3201 | 1.9040 | 2.1412 | 1.8196 | 2.1493 | 2.0061 | 1.7643 | 3.0661 |
| 10 | 1.2273 | 1.4225 | 1.2185 | 1.3460 | 1.8132 | 1.5487 | 1.8051 | 0.8244 |
| | 2.4882 | 2.1407 | 2.5130 | 2.2662 | 1.7612 | 1.9590 | 1.7661 | 3.3901 |
| 11 | 1.3341 | 1.7433 | 1.3460 | 1.8070 | 1.3885 | 1.8327 | 1.7860 | 0.7810 |
| | 2.2732 | 1.8198 | 2.2662 | 1.7691 | 2.2076 | 1.7490 | 1.7931 | 3.5956 |
| 12 | 1.7580 | 1.4103 | 1.8128 | 1.3883 | 1.4875 | 1.7815 | 1.1247 | |
| | 1.8020 | 2.1496 | 1.7616 | 2.2079 | 2.0921 | 1.8112 | 2.5423 | |
| 13 | 1.4920 | 1.5087 | 1.5500 | 1.8326 | 1.7814 | 1.1251 | 0.6115 | |
| | 2.0177 | 2.0070 | 1.9571 | 1.7491 | 1.8114 | 2.5832 | 4.5543 | |
| 14 | 1.7999 | 1.8003 | 1.8079 | 1.7888 | 1.1255 | 0.6115 | | |
| | 1.7638 | 1.7671 | 1.7642 | 1.7904 | 2.5383 | 4.5529 | | |
| 15 | 0.9179 | 0.8505 | 0.8864 | 0.7895 | F-SUB-Q | | | |
| | 3.0526 | 3.2385 | 3.1431 | 3.5525 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7318 | 1.3302 | 1.2185 | 1.3354 | 1.7740 | 1.4948 | 1.8184 | 0.9080 |
| | 1.8159 | 2.2514 | 2.4274 | 2.1948 | 1.7261 | 1.9375 | 1.6806 | 2.9579 |
| 9 | 1.3302 | 1.7014 | 1.4291 | 1.7616 | 1.4123 | 1.5137 | 1.8222 | 0.9111 |
| | 2.2514 | 1.8323 | 2.0654 | 1.7434 | 2.0748 | 1.9348 | 1.6868 | 2.9812 |
| 10 | 1.2185 | 1.4295 | 1.2089 | 1.3496 | 1.8344 | 1.5577 | 1.8279 | 0.8110 |
| | 2.4274 | 2.0648 | 2.4511 | 2.1943 | 1.6923 | 1.8921 | 1.6915 | 3.3303 |
| 11 | 1.3354 | 1.7614 | 1.3496 | 1.8291 | 1.3937 | 1.8570 | 1.8120 | 0.7669 |
| | 2.1948 | 1.7436 | 2.1944 | 1.7016 | 2.1415 | 1.6824 | 1.7212 | 3.5518 |
| 12 | 1.7740 | 1.4119 | 1.8339 | 1.3934 | 1.5002 | 1.8093 | 1.1159 | |
| | 1.7261 | 2.0751 | 1.6928 | 2.1418 | 2.0245 | 1.7400 | 2.4995 | |
| 13 | 1.4948 | 1.5129 | 1.5588 | 1.8567 | 1.8091 | 1.1183 | 0.6031 | |
| | 1.9375 | 1.9357 | 1.8905 | 1.6826 | 1.7402 | 2.5368 | 4.5071 | |
| 14 | 1.8184 | 1.8205 | 1.8317 | 1.8146 | 1.1165 | 0.6031 | | |
| | 1.6806 | 1.6899 | 1.6899 | 1.7188 | 2.4959 | 4.5060 | | |
| 15 | 0.9080 | 0.8360 | 0.8707 | 0.7764 | F-SUB-Q | | | |
| | 2.9579 | 3.1618 | 3.0926 | 3.5037 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7400 | 1.3313 | 1.2139 | 1.3322 | 1.7756 | 1.4911 | 1.8214 | 0.9023 |
| | 1.6682 | 2.0649 | 2.2512 | 2.0470 | 1.6115 | 1.8192 | 1.5768 | 2.7787 |
| 9 | 1.3313 | 1.7082 | 1.4282 | 1.7646 | 1.4085 | 1.5108 | 1.8262 | 0.9030 |
| | 2.0649 | 1.6821 | 1.9124 | 1.6250 | 1.9395 | 1.8202 | 1.5804 | 2.8069 |
| 10 | 1.2139 | 1.4286 | 1.2056 | 1.3477 | 1.8387 | 1.5575 | 1.8345 | 0.8056 |
| | 2.2512 | 1.9119 | 2.2701 | 2.0429 | 1.5817 | 1.7759 | 1.5894 | 3.1258 |
| 11 | 1.3322 | 1.7643 | 1.3476 | 1.8340 | 1.3925 | 1.8633 | 1.8203 | 0.7621 |
| | 2.0470 | 1.6252 | 2.0429 | 1.5838 | 1.9979 | 1.5720 | 1.6087 | 3.3244 |
| 12 | 1.7756 | 1.4081 | 1.8381 | 1.3922 | 1.5017 | 1.8178 | 1.1132 | |
| | 1.6115 | 1.9399 | 1.5822 | 1.9983 | 1.8916 | 1.6245 | 2.3346 | |
| 13 | 1.4911 | 1.5100 | 1.5585 | 1.8630 | 1.8174 | 1.1153 | 0.5991 | |
| | 1.8192 | 1.8211 | 1.7746 | 1.5724 | 1.6248 | 2.3689 | 4.1818 | |
| 14 | 1.8214 | 1.8245 | 1.8382 | 1.8227 | 1.1137 | 0.5991 | | |
| | 1.5768 | 1.5832 | 1.5881 | 1.6068 | 2.3316 | 4.1811 | | |
| 15 | 0.9023 | 0.8300 | 0.8657 | 0.7717 | F-SUB-Q | | | |
| | 2.7787 | 2.9703 | 2.9011 | 3.2801 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7411 | 1.3299 | 1.2141 | 1.3277 | 1.7719 | 1.4854 | 1.8179 | 0.9001 |
| | 1.5343 | 1.9031 | 2.0764 | 1.8865 | 1.4838 | 1.6823 | 1.4554 | 2.5691 |
| 9 | 1.3299 | 1.7083 | 1.4254 | 1.7619 | 1.4037 | 1.5058 | 1.8233 | 0.9041 |
| | 1.9031 | 1.5484 | 1.7672 | 1.4969 | 1.7878 | 1.6781 | 1.4574 | 2.5847 |
| 10 | 1.2141 | 1.4258 | 1.2024 | 1.3439 | 1.8365 | 1.5534 | 1.8331 | 0.8058 |
| | 2.0764 | 1.7667 | 2.1006 | 1.8881 | 1.4589 | 1.6413 | 1.4656 | 2.8727 |
| 11 | 1.3277 | 1.7616 | 1.3438 | 1.8324 | 1.3890 | 1.8618 | 1.8199 | 0.7624 |
| | 1.8865 | 1.4971 | 1.8883 | 1.4598 | 1.8450 | 1.4484 | 1.4820 | 3.0660 |
| 12 | 1.7719 | 1.4033 | 1.8358 | 1.3886 | 1.4987 | 1.8173 | 1.1147 | |
| | 1.4838 | 1.7882 | 1.4595 | 1.8455 | 1.7435 | 1.4943 | 2.1462 | |
| 13 | 1.4854 | 1.5050 | 1.5543 | 1.8621 | 1.8169 | 1.1158 | 0.5987 | |
| | 1.6823 | 1.6789 | 1.6403 | 1.4489 | 1.4947 | 2.1775 | 3.8524 | |
| 14 | 1.8179 | 1.8216 | 1.8367 | 1.8221 | 1.1152 | 0.5986 | | |
| | 1.4554 | 1.4599 | 1.4644 | 1.4804 | 2.1436 | 3.8519 | | |
| 15 | 0.9001 | 0.8303 | 0.8656 | 0.7722 | F-SUB-Q | | | |
| | 2.5691 | 2.7377 | 2.6671 | 3.0243 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7327 | 1.3259 | 1.2194 | 1.3218 | 1.7589 | 1.4768 | 1.8039 | 0.9023 |
| | 1.5446 | 1.9134 | 2.0675 | 1.8968 | 1.4965 | 1.6975 | 1.4710 | 2.5736 |
| 9 | 1.3259 | 1.6984 | 1.4185 | 1.7496 | 1.3967 | 1.4971 | 1.8094 | 0.9087 |
| | 1.9134 | 1.5613 | 1.7764 | 1.5072 | 1.7988 | 1.6896 | 1.4719 | 2.5817 |
| 10 | 1.2194 | 1.4189 | 1.2093 | 1.3382 | 1.8238 | 1.5458 | 1.8204 | 0.8130 |
| | 2.0675 | 1.7758 | 2.0970 | 1.8988 | 1.4707 | 1.6499 | 1.4746 | 2.8517 |
| 11 | 1.3218 | 1.7493 | 1.3381 | 1.8199 | 1.3833 | 1.8497 | 1.8081 | 0.7718 |
| | 1.8968 | 1.5075 | 1.8989 | 1.4723 | 1.8562 | 1.4605 | 1.4937 | 3.0283 |
| 12 | 1.7589 | 1.3963 | 1.8230 | 1.3828 | 1.4906 | 1.8051 | 1.1235 | |
| | 1.4965 | 1.7992 | 1.4713 | 1.8567 | 1.7548 | 1.5052 | 2.1345 | |
| 13 | 1.4768 | 1.4963 | 1.5468 | 1.8501 | 1.8046 | 1.1221 | 0.6031 | |
| | 1.6975 | 1.6905 | 1.6487 | 1.4610 | 1.5057 | 2.1678 | 3.8359 | |
| 14 | 1.8039 | 1.8077 | 1.8239 | 1.8103 | 1.1240 | 0.6030 | | |
| | 1.4710 | 1.4744 | 1.4734 | 1.4921 | 2.1320 | 3.8355 | | |
| 15 | 0.9023 | 0.8379 | 0.8757 | 0.7801 | F-SUB-Q | | | |
| | 2.5736 | 2.7237 | 2.6405 | 2.9938 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7626 | 1.3364 | 1.2140 | 1.3297 | 1.7861 | 1.4880 | 1.8338 | 0.8954 |
| | 1.4100 | 1.7694 | 1.9404 | 1.7646 | 1.3791 | 1.5789 | 1.3557 | 2.4322 |
| 9 | 1.3364 | 1.7273 | 1.4317 | 1.7774 | 1.4056 | 1.5091 | 1.8400 | 0.8972 |
| | 1.7694 | 1.4312 | 1.6436 | 1.3871 | 1.6729 | 1.5683 | 1.3554 | 2.4521 |
| 10 | 1.2140 | 1.4321 | 1.2020 | 1.3464 | 1.8531 | 1.5597 | 1.8522 | 0.8007 |
| | 1.9404 | 1.6430 | 1.9618 | 1.7591 | 1.3482 | 1.5244 | 1.3542 | 2.7104 |
| 11 | 1.3297 | 1.7771 | 1.3464 | 1.8494 | 1.3919 | 1.8817 | 1.8403 | 0.7575 |
| | 1.7646 | 1.3873 | 1.7592 | 1.3497 | 1.7184 | 1.3376 | 1.3666 | 2.8801 |
| 12 | 1.7861 | 1.4052 | 1.8523 | 1.3914 | 1.5053 | 1.8366 | 1.1134 | |
| | 1.3791 | 1.6733 | 1.3488 | 1.7189 | 1.6160 | 1.3793 | 2.0082 | |
| 13 | 1.4880 | 1.5083 | 1.5606 | 1.8821 | 1.8361 | 1.1136 | 0.5931 | |
| | 1.5789 | 1.5692 | 1.5234 | 1.3381 | 1.3797 | 2.0364 | 3.6426 | |
| 14 | 1.8338 | 1.8383 | 1.8557 | 1.8425 | 1.1138 | 0.5930 | | |
| | 1.3557 | 1.3567 | 1.3526 | 1.3653 | 2.0059 | 3.6423 | | |
| 15 | 0.8954 | 0.8250 | 0.8617 | 0.7668 | F-SUB-Q | | | |
| | 2.4322 | 2.5940 | 2.5121 | 2.8427 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7697 | 1.3387 | 1.2149 | 1.3305 | 1.7911 | 1.4891 | 1.8387 | 0.8937 |
| | 1.3145 | 1.6588 | 1.8322 | 1.6679 | 1.3001 | 1.4929 | 1.2787 | 2.3080 |
| 9 | 1.3387 | 1.7336 | 1.4343 | 1.7825 | 1.4066 | 1.5105 | 1.8450 | 0.8954 |
| | 1.6588 | 1.3404 | 1.5494 | 1.3064 | 1.5810 | 1.4811 | 1.2771 | 2.3265 |
| 10 | 1.2149 | 1.4347 | 1.2019 | 1.3469 | 1.8581 | 1.5617 | 1.8577 | 0.7986 |
| | 1.8322 | 1.5488 | 1.8529 | 1.6588 | 1.2669 | 1.4354 | 1.2735 | 2.5704 |
| 11 | 1.3305 | 1.7822 | 1.3469 | 1.8544 | 1.3922 | 1.8876 | 1.8460 | 0.7555 |
| | 1.6679 | 1.3066 | 1.6589 | 1.2671 | 1.6178 | 1.2548 | 1.2825 | 2.7262 |
| 12 | 1.7911 | 1.4062 | 1.8572 | 1.3917 | 1.5071 | 1.8420 | 1.1129 | |
| | 1.3001 | 1.5814 | 1.2675 | 1.6183 | 1.5118 | 1.2895 | 1.8886 | |
| 13 | 1.4891 | 1.5097 | 1.5627 | 1.8880 | 1.8414 | 1.1132 | 0.5908 | |
| | 1.4929 | 1.4819 | 1.4344 | 1.2552 | 1.2899 | 1.9108 | 3.4356 | |
| 14 | 1.8387 | 1.8433 | 1.8613 | 1.8482 | 1.1133 | 0.5907 | | |
| | 1.2787 | 1.2782 | 1.2713 | 1.2812 | 1.8865 | 3.4353 | | |
| 15 | 0.8937 | 0.8230 | 0.8605 | 0.7649 | F-SUB-Q | | | |
| | 2.3080 | 2.4623 | 2.3793 | 2.6905 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7413 | 1.3263 | 1.2176 | 1.3181 | 1.7617 | 1.4728 | 1.8057 | 0.8936 |
| | 1.2669 | 1.5894 | 1.7456 | 1.6081 | 1.2615 | 1.4414 | 1.2426 | 2.2063 |
| 9 | 1.3263 | 1.7053 | 1.4191 | 1.7526 | 1.3929 | 1.4940 | 1.8113 | 0.9002 |
| | 1.5894 | 1.2930 | 1.4944 | 1.2673 | 1.5247 | 1.4291 | 1.2406 | 2.2119 |
| 10 | 1.2176 | 1.4196 | 1.2054 | 1.3331 | 1.8256 | 1.5433 | 1.8229 | 0.8037 |
| | 1.7456 | 1.4939 | 1.7704 | 1.5981 | 1.2278 | 1.3835 | 1.2358 | 2.4393 |
| 11 | 1.3181 | 1.7524 | 1.3331 | 1.8221 | 1.3785 | 1.8532 | 1.8106 | 0.7628 |
| | 1.6081 | 1.2675 | 1.5982 | 1.2275 | 1.5572 | 1.2152 | 1.2437 | 2.5756 |
| 12 | 1.7617 | 1.3925 | 1.8248 | 1.3781 | 1.4877 | 1.8079 | 1.1178 | |
| | 1.2615 | 1.5251 | 1.2284 | 1.5577 | 1.4540 | 1.2456 | 1.7885 | |
| 13 | 1.4728 | 1.4932 | 1.5444 | 1.8538 | 1.8074 | 1.1173 | 0.5946 | |
| | 1.4414 | 1.4299 | 1.3824 | 1.2157 | 1.2459 | 1.8071 | 3.2482 | |
| 14 | 1.8057 | 1.8097 | 1.8267 | 1.8133 | 1.1183 | 0.5945 | | |
| | 1.2426 | 1.2417 | 1.2334 | 1.2421 | 1.7863 | 3.2478 | | |
| 15 | 0.8936 | 0.8292 | 0.8692 | 0.7714 | F-SUB-Q | | | |
| | 2.2063 | 2.3360 | 2.2493 | 2.5448 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7224 | 1.3105 | 1.1903 | 1.3014 | 1.7460 | 1.4570 | 1.7870 | 0.8691 |
| | 1.2265 | 1.5430 | 1.7161 | 1.5677 | 1.2236 | 1.4028 | 1.2079 | 2.1860 |
| 9 | 1.3105 | 1.6900 | 1.4067 | 1.7358 | 1.3766 | 1.4780 | 1.7922 | 0.8726 |
| | 1.5430 | 1.2506 | 1.4478 | 1.2285 | 1.4851 | 1.3902 | 1.2056 | 2.1989 |
| 10 | 1.1903 | 1.4072 | 1.1752 | 1.3143 | 1.8058 | 1.5245 | 1.8015 | 0.7729 |
| | 1.7161 | 1.4472 | 1.7406 | 1.5577 | 1.1905 | 1.3454 | 1.1998 | 2.4430 |
| 11 | 1.3014 | 1.7356 | 1.3143 | 1.8031 | 1.3568 | 1.8307 | 1.7864 | 0.7321 |
| | 1.5677 | 1.2287 | 1.5578 | 1.1887 | 1.5180 | 1.1779 | 1.2081 | 2.5832 |
| 12 | 1.7460 | 1.3761 | 1.8052 | 1.3564 | 1.4712 | 1.7878 | 1.0825 | |
| | 1.2236 | 1.4855 | 1.1909 | 1.5184 | 1.4087 | 1.2064 | 1.7711 | |
| 13 | 1.4570 | 1.4773 | 1.5256 | 1.8317 | 1.7875 | 1.0876 | 0.5742 | |
| | 1.4028 | 1.3908 | 1.3444 | 1.1782 | 1.2067 | 1.7799 | 3.2347 | |
| 14 | 1.7870 | 1.7908 | 1.8058 | 1.7895 | 1.0832 | 0.5741 | | |
| | 1.2079 | 1.2066 | 1.1972 | 1.2063 | 1.7688 | 3.2342 | | |
| 15 | 0.8691 | 0.7982 | 0.8380 | 0.7419 | F-SUB-Q | | | |
| | 2.1860 | 2.3385 | 2.2472 | 2.5469 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6002 | 1.2361 | 1.1195 | 1.2260 | 1.6256 | 1.3724 | 1.6570 | 0.8154 |
| | 1.2770 | 1.5834 | 1.7632 | 1.6108 | 1.2710 | 1.4424 | 1.2599 | 2.2624 |
| 9 | 1.2361 | 1.5736 | 1.3285 | 1.6145 | 1.2984 | 1.3914 | 1.6610 | 0.8157 |
| | 1.5834 | 1.2994 | 1.4844 | 1.2772 | 1.5237 | 1.4291 | 1.2572 | 2.2837 |
| 10 | 1.1195 | 1.3291 | 1.1092 | 1.2357 | 1.6749 | 1.4323 | 1.6669 | 0.7194 |
| | 1.7631 | 1.4838 | 1.7848 | 1.6031 | 1.2404 | 1.3847 | 1.2532 | 2.5478 |
| 11 | 1.2260 | 1.6144 | 1.2357 | 1.6751 | 1.2754 | 1.6942 | 1.6477 | 0.6822 |
| | 1.6108 | 1.2774 | 1.6032 | 1.2366 | 1.5615 | 1.2294 | 1.2659 | 2.6902 |
| 12 | 1.6256 | 1.2980 | 1.6745 | 1.2751 | 1.3833 | 1.6571 | 1.0122 | |
| | 1.2710 | 1.5241 | 1.2408 | 1.5619 | 1.4489 | 1.2578 | 1.8332 | |
| 13 | 1.3724 | 1.3909 | 1.4336 | 1.6941 | 1.6570 | 1.0227 | 0.5386 | |
| | 1.4424 | 1.4297 | 1.3834 | 1.2296 | 1.2580 | 1.8327 | 3.3466 | |
| 14 | 1.6570 | 1.6597 | 1.6711 | 1.6510 | 1.0130 | 0.5386 | | |
| | 1.2599 | 1.2582 | 1.2502 | 1.2636 | 1.8305 | 3.3459 | | |
| 15 | 0.8154 | 0.7459 | 0.7858 | 0.6922 | F-SUB-Q | | | |
| | 2.2624 | 2.4297 | 2.3259 | 2.6491 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3158 | 1.0330 | 0.9419 | 1.0230 | 1.3367 | 1.1405 | 1.3529 | 0.6768 |
| | 1.5130 | 1.8476 | 2.0437 | 1.8821 | 1.5052 | 1.6922 | 1.5023 | 2.6608 |
| 9 | 1.0330 | 1.2959 | 1.1140 | 1.3277 | 1.0872 | 1.1548 | 1.3556 | 0.6824 |
| | 1.8476 | 1.5370 | 1.7265 | 1.5124 | 1.7737 | 1.6773 | 1.4996 | 2.6633 |
| 10 | 0.9419 | 1.1145 | 0.9308 | 1.0316 | 1.3722 | 1.1856 | 1.3578 | 0.5912 |
| | 2.0437 | 1.7258 | 2.0748 | 1.8718 | 1.4737 | 1.6290 | 1.4972 | 3.0264 |
| 11 | 1.0230 | 1.3276 | 1.0316 | 1.3792 | 1.0631 | 1.3821 | 1.3353 | 0.5643 |
| | 1.8821 | 1.5126 | 1.8719 | 1.4625 | 1.8252 | 1.4667 | 1.5215 | 3.1747 |
| 12 | 1.3367 | 1.0868 | 1.3719 | 1.0629 | 1.1657 | 1.3512 | 0.8350 | |
| | 1.5052 | 1.7741 | 1.4742 | 1.8255 | 1.6753 | 1.5017 | 2.1682 | |
| 13 | 1.1405 | 1.1544 | 1.1869 | 1.3821 | 1.3511 | 0.8541 | 0.4482 | |
| | 1.6922 | 1.6780 | 1.6272 | 1.4669 | 1.5018 | 2.1411 | 3.9287 | |
| 14 | 1.3529 | 1.3546 | 1.3600 | 1.3382 | 0.8357 | 0.4482 | | |
| | 1.5023 | 1.5008 | 1.4950 | 1.5185 | 2.1649 | 3.9275 | | |
| 15 | 0.6768 | 0.6170 | 0.6558 | 0.5716 | F-SUB-Q | | | |
| | 2.6608 | 2.8662 | 2.7199 | 3.1308 | M-SUB-Q | | | |

AT 75% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5662 | 0.4794 | 0.4499 | 0.4850 | 0.5751 | 0.4960 | 0.5490 | 0.3020 |
| | 3.4431 | 3.9016 | 4.1977 | 3.8839 | 3.4236 | 3.7928 | 3.6101 | 5.8273 |
| 9 | 0.4794 | 0.5543 | 0.4875 | 0.5693 | 0.5042 | 0.5016 | 0.5493 | 0.3037 |
| | 3.9016 | 3.5220 | 3.8619 | 3.4526 | 3.7397 | 3.7656 | 3.6090 | 5.8480 |
| 10 | 0.4499 | 0.4876 | 0.4453 | 0.4883 | 0.5866 | 0.5121 | 0.5487 | 0.2815 |
| | 4.1977 | 3.8605 | 4.2469 | 3.8684 | 3.3705 | 3.6786 | 3.6150 | 6.2137 |
| 11 | 0.4850 | 0.5692 | 0.4883 | 0.5727 | 0.5017 | 0.5860 | 0.5336 | 0.2582 |
| | 3.8839 | 3.4529 | 3.8684 | 3.4428 | 3.7800 | 3.3809 | 3.7166 | 6.7856 |
| 12 | 0.5751 | 0.5041 | 0.5865 | 0.5017 | 0.5022 | 0.5467 | 0.3698 | |
| | 3.4236 | 3.7403 | 3.3710 | 3.7803 | 3.7972 | 3.6254 | 4.7822 | |
| 13 | 0.4960 | 0.5014 | 0.5127 | 0.5861 | 0.5467 | 0.3799 | 0.2099 | |
| | 3.7928 | 3.7665 | 3.6741 | 3.3803 | 3.6252 | 4.7024 | 8.2121 | |
| 14 | 0.5490 | 0.5489 | 0.5498 | 0.5351 | 0.3702 | 0.2099 | | |
| | 3.6101 | 3.6129 | 3.6084 | 3.7073 | 4.7735 | 8.2084 | | |
| 15 | 0.3020 | 0.2904 | 0.2939 | 0.2620 | F-SUB-Q | | | |
| | 5.8273 | 5.9536 | 5.9313 | 6.6803 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4729 | 0.5383 | 0.5895 | 0.6482 | 0.7547 | 0.6722 | 0.7212 | 0.4289 |
| | 3.1236 | 3.4810 | 3.4815 | 3.1458 | 2.9067 | 3.0457 | 3.0990 | 4.3788 |
| 9 | 0.5383 | 0.6524 | 0.6284 | 0.7349 | 0.6760 | 0.6709 | 0.7165 | 0.4267 |
| | 3.4810 | 3.3517 | 3.2662 | 2.9720 | 3.0129 | 3.0565 | 3.1149 | 4.4481 |
| 10 | 0.5895 | 0.6285 | 0.5879 | 0.6266 | 0.7254 | 0.6493 | 0.6898 | 0.3854 |
| | 3.4815 | 3.2656 | 3.5495 | 3.2590 | 2.9903 | 3.0863 | 3.1565 | 4.7734 |
| 11 | 0.6482 | 0.7349 | 0.6267 | 0.6719 | 0.5845 | 0.6655 | 0.6275 | 0.3470 |
| | 3.1458 | 2.9719 | 3.2587 | 3.2526 | 3.4143 | 3.2155 | 3.4215 | 5.2340 |
| 12 | 0.7547 | 0.6760 | 0.7256 | 0.5846 | 0.4522 | 0.5341 | 0.4132 | |
| | 2.9067 | 3.0128 | 2.9899 | 3.4134 | 3.2303 | 3.3546 | 4.1656 | |
| 13 | 0.6722 | 0.6704 | 0.6498 | 0.6661 | 0.5347 | 0.3471 | 0.2426 | |
| | 3.0457 | 3.0570 | 3.0849 | 3.2129 | 3.3539 | 3.9451 | 6.4168 | |
| 14 | 0.7212 | 0.7152 | 0.6908 | 0.6292 | 0.4141 | 0.2428 | | |
| | 3.0990 | 3.1205 | 3.1523 | 3.4126 | 4.1565 | 6.4125 | | |
| 15 | 0.4289 | 0.4025 | 0.4029 | 0.3516 | F-SUB-Q | | | |
| | 4.3788 | 4.5879 | 4.5634 | 5.1575 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9099 | 0.9819 | 1.0586 | 1.1726 | 1.4577 | 1.3126 | 1.4713 | 0.8408 |
| | 1.6980 | 1.9279 | 1.9888 | 1.7868 | 1.5463 | 1.6092 | 1.5595 | 2.2941 |
| 9 | 0.9819 | 1.2629 | 1.2127 | 1.4219 | 1.2420 | 1.3094 | 1.4627 | 0.8376 |
| | 1.9279 | 1.7486 | 1.7302 | 1.5763 | 1.6848 | 1.6061 | 1.5587 | 2.3164 |
| 10 | 1.0586 | 1.2129 | 1.0562 | 1.1357 | 1.4065 | 1.2719 | 1.4141 | 0.7183 |
| | 1.9888 | 1.7299 | 2.0257 | 1.8397 | 1.5849 | 1.6206 | 1.5802 | 2.6213 |
| 11 | 1.1726 | 1.4219 | 1.1359 | 1.3385 | 1.0673 | 1.3150 | 1.2964 | 0.6667 |
| | 1.7868 | 1.5764 | 1.8395 | 1.6528 | 1.8906 | 1.6693 | 1.6960 | 2.8005 |
| 12 | 1.4577 | 1.2420 | 1.4067 | 1.0677 | 0.8811 | 1.0970 | 0.8174 | |
| | 1.5463 | 1.6848 | 1.5848 | 1.8902 | 1.7009 | 1.6636 | 2.1326 | |
| 13 | 1.3126 | 1.3083 | 1.2729 | 1.3171 | 1.0980 | 0.6737 | 0.4602 | |
| | 1.6092 | 1.6066 | 1.6191 | 1.6688 | 1.6632 | 2.0676 | 3.4323 | |
| 14 | 1.4713 | 1.4598 | 1.4162 | 1.3000 | 0.8189 | 0.4605 | | |
| | 1.5595 | 1.5617 | 1.5779 | 1.6916 | 2.1283 | 3.4304 | | |
| 15 | 0.8408 | 0.7586 | 0.7821 | 0.6749 | F-SUB-Q | | | |
| | 2.2941 | 2.4856 | 2.4041 | 2.7621 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0609 | 1.1139 | 1.2016 | 1.3326 | 1.6751 | 1.4971 | 1.7079 | 0.9771 |
| | 1.5132 | 1.7324 | 1.7816 | 1.5963 | 1.3635 | 1.4166 | 1.3453 | 1.9792 |
| 9 | 1.1139 | 1.4455 | 1.3690 | 1.6346 | 1.4054 | 1.4921 | 1.6981 | 0.9763 |
| | 1.7324 | 1.5432 | 1.5518 | 1.3907 | 1.5115 | 1.4228 | 1.3486 | 2.0018 |
| 10 | 1.2016 | 1.3691 | 1.1916 | 1.2904 | 1.6222 | 1.4563 | 1.6429 | 0.8523 |
| | 1.7816 | 1.5516 | 1.7960 | 1.6405 | 1.3952 | 1.4354 | 1.3782 | 2.2352 |
| 11 | 1.3326 | 1.6346 | 1.2906 | 1.5381 | 1.2248 | 1.5366 | 1.5167 | 0.7860 |
| | 1.5963 | 1.3908 | 1.6403 | 1.4535 | 1.6795 | 1.4514 | 1.4726 | 2.4140 |
| 12 | 1.6751 | 1.4053 | 1.6223 | 1.2253 | 1.0158 | 1.2802 | 0.9652 | |
| | 1.3635 | 1.5115 | 1.3951 | 1.6793 | 1.5489 | 1.4574 | 1.8308 | |
| 13 | 1.4971 | 1.4909 | 1.4573 | 1.5390 | 1.2813 | 0.7826 | 0.5364 | |
| | 1.4166 | 1.4237 | 1.4343 | 1.4509 | 1.4572 | 1.8330 | 2.9944 | |
| 14 | 1.7079 | 1.6945 | 1.6453 | 1.5208 | 0.9669 | 0.5368 | | |
| | 1.3453 | 1.3513 | 1.3763 | 1.4688 | 1.8274 | 2.9930 | | |
| 15 | 0.9771 | 0.8960 | 0.9162 | 0.7946 | F-SUB-Q | | | |
| | 1.9792 | 2.1191 | 2.0788 | 2.3839 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1391 | 1.1534 | 1.2430 | 1.3917 | 1.7835 | 1.5713 | 1.8360 | 1.0135 |
| | 1.4413 | 1.6866 | 1.7494 | 1.5514 | 1.2976 | 1.3633 | 1.2621 | 1.9241 |
| 9 | 1.1534 | 1.5358 | 1.4313 | 1.7431 | 1.4688 | 1.5649 | 1.8257 | 1.0105 |
| | 1.6866 | 1.4698 | 1.5064 | 1.3232 | 1.4674 | 1.3717 | 1.2666 | 1.9520 |
| 10 | 1.2430 | 1.4314 | 1.2387 | 1.3492 | 1.7342 | 1.5328 | 1.7707 | 0.8828 |
| | 1.7494 | 1.5063 | 1.7510 | 1.5926 | 1.3248 | 1.3829 | 1.2955 | 2.1864 |
| 11 | 1.3917 | 1.7430 | 1.3493 | 1.6434 | 1.2830 | 1.6598 | 1.6419 | 0.8091 |
| | 1.5514 | 1.3232 | 1.5925 | 1.3786 | 1.6217 | 1.3621 | 1.3753 | 2.3759 |
| 12 | 1.7835 | 1.4687 | 1.7342 | 1.2833 | 1.0759 | 1.3878 | 1.0052 | |
| | 1.2976 | 1.4674 | 1.3249 | 1.6215 | 1.4971 | 1.3759 | 1.7877 | |
| 13 | 1.5713 | 1.5634 | 1.5337 | 1.6619 | 1.3888 | 0.8183 | 0.5514 | |
| | 1.3633 | 1.3729 | 1.3820 | 1.3605 | 1.3759 | 1.8041 | 2.9748 | |
| 14 | 1.8360 | 1.8221 | 1.7727 | 1.6456 | 1.0067 | 0.5517 | | |
| | 1.2621 | 1.2691 | 1.2941 | 1.3723 | 1.7846 | 2.9736 | | |
| 15 | 1.0135 | 0.9258 | 0.9404 | 0.8193 | F-SUB-Q | | | |
| | 1.9241 | 2.0702 | 2.0520 | 2.3420 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1461 | 1.1454 | 1.2399 | 1.3833 | 1.7821 | 1.5645 | 1.8456 | 1.0122 |
| | 1.4667 | 1.7289 | 1.7860 | 1.5857 | 1.3186 | 1.3916 | 1.2746 | 1.9573 |
| 9 | 1.1454 | 1.5344 | 1.4219 | 1.7437 | 1.4601 | 1.5586 | 1.8356 | 1.0112 |
| | 1.7289 | 1.4961 | 1.5445 | 1.3437 | 1.4988 | 1.3993 | 1.2797 | 1.9825 |
| 10 | 1.2399 | 1.4220 | 1.2279 | 1.3431 | 1.7378 | 1.5291 | 1.7833 | 0.8882 |
| | 1.7860 | 1.5443 | 1.7985 | 1.6243 | 1.3397 | 1.4045 | 1.3037 | 2.2076 |
| 11 | 1.3833 | 1.7436 | 1.3433 | 1.6484 | 1.2880 | 1.6753 | 1.6589 | 0.8117 |
| | 1.5857 | 1.3438 | 1.6242 | 1.3983 | 1.6525 | 1.3714 | 1.3825 | 2.4019 |
| 12 | 1.7822 | 1.4600 | 1.7377 | 1.2882 | 1.0870 | 1.4050 | 1.0128 | |
| | 1.3186 | 1.4988 | 1.3398 | 1.6525 | 1.5293 | 1.3926 | 1.8116 | |
| 13 | 1.5645 | 1.5571 | 1.5298 | 1.6770 | 1.4057 | 0.8249 | 0.5516 | |
| | 1.3916 | 1.3999 | 1.4035 | 1.3701 | 1.3927 | 1.8417 | 3.0512 | |
| 14 | 1.8456 | 1.8320 | 1.7848 | 1.6621 | 1.0141 | 0.5518 | | |
| | 1.2746 | 1.2822 | 1.3025 | 1.3800 | 1.8088 | 3.0501 | | |
| 15 | 1.0122 | 0.9299 | 0.9443 | 0.8236 | F-SUB-Q | | | |
| | 1.9573 | 2.0951 | 2.0756 | 2.3623 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1319 | 1.1318 | 1.2242 | 1.3565 | 1.7494 | 1.5345 | 1.8173 | 0.9980 |
| | 1.5201 | 1.7958 | 1.8476 | 1.6493 | 1.3669 | 1.4403 | 1.3141 | 2.0162 |
| 9 | 1.1318 | 1.5088 | 1.3954 | 1.7137 | 1.4316 | 1.5290 | 1.8080 | 0.9998 |
| | 1.7958 | 1.5494 | 1.6070 | 1.3942 | 1.5583 | 1.4480 | 1.3185 | 2.0362 |
| 10 | 1.2242 | 1.3956 | 1.2105 | 1.3193 | 1.7097 | 1.5033 | 1.7586 | 0.8825 |
| | 1.8476 | 1.6068 | 1.8662 | 1.6899 | 1.3906 | 1.4563 | 1.3460 | 2.2589 |
| 11 | 1.3565 | 1.7136 | 1.3194 | 1.6255 | 1.2775 | 1.6562 | 1.6417 | 0.8094 |
| | 1.6493 | 1.3944 | 1.6898 | 1.4436 | 1.7082 | 1.4219 | 1.4313 | 2.4642 |
| 12 | 1.7494 | 1.4314 | 1.7095 | 1.2776 | 1.0803 | 1.3931 | 1.0090 | |
| | 1.3669 | 1.5584 | 1.3908 | 1.7083 | 1.5891 | 1.4416 | 1.8603 | |
| 13 | 1.5345 | 1.5277 | 1.5039 | 1.6574 | 1.3936 | 0.8216 | 0.5486 | |
| | 1.4403 | 1.4490 | 1.4555 | 1.4209 | 1.4417 | 1.9078 | 3.1625 | |
| 14 | 1.8173 | 1.8045 | 1.7599 | 1.6445 | 1.0101 | 0.5487 | | |
| | 1.3141 | 1.3209 | 1.3449 | 1.4290 | 1.8576 | 3.1616 | | |
| 15 | 0.9980 | 0.9232 | 0.9371 | 0.8181 | F-SUB-Q | | | |
| | 2.0162 | 2.1430 | 2.1266 | 2.4332 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1286 | 1.1134 | 1.2023 | 1.3358 | 1.7313 | 1.5121 | 1.8031 | 0.9778 |
| | 1.5676 | 1.8612 | 1.9455 | 1.7275 | 1.4206 | 1.4986 | 1.3562 | 2.1069 |
| 9 | 1.1134 | 1.5006 | 1.3793 | 1.6990 | 1.4098 | 1.5075 | 1.7945 | 0.9787 |
| | 1.8612 | 1.5929 | 1.6813 | 1.4507 | 1.6309 | 1.5076 | 1.3617 | 2.1306 |
| 10 | 1.2023 | 1.3795 | 1.1885 | 1.3019 | 1.6970 | 1.4857 | 1.7489 | 0.8643 |
| | 1.9455 | 1.6810 | 1.9656 | 1.7713 | 1.4471 | 1.5191 | 1.3936 | 2.3719 |
| 11 | 1.3358 | 1.6988 | 1.3020 | 1.6191 | 1.2597 | 1.6524 | 1.6396 | 0.7908 |
| | 1.7275 | 1.4509 | 1.7712 | 1.4771 | 1.7603 | 1.4541 | 1.4850 | 2.6083 |
| 12 | 1.7313 | 1.4096 | 1.6967 | 1.2597 | 1.0723 | 1.3965 | 0.9977 | |
| | 1.4206 | 1.6311 | 1.4475 | 1.7606 | 1.6444 | 1.4821 | 1.9309 | |
| 13 | 1.5121 | 1.5061 | 1.4860 | 1.6534 | 1.3968 | 0.8163 | 0.5415 | |
| | 1.4986 | 1.5089 | 1.5185 | 1.4544 | 1.4823 | 1.9883 | 3.3170 | |
| 14 | 1.8031 | 1.7911 | 1.7500 | 1.6419 | 0.9987 | 0.5416 | | |
| | 1.3562 | 1.3643 | 1.3928 | 1.4829 | 1.9283 | 3.3163 | | |
| 15 | 0.9778 | 0.9025 | 0.9166 | 0.8029 | F-SUB-Q | | | |
| | 2.1069 | 2.2456 | 2.2360 | 2.5637 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1389 | 1.1125 | 1.1901 | 1.3185 | 1.7127 | 1.4906 | 1.7837 | 0.9624 |
| | 1.6134 | 1.9232 | 2.0592 | 1.8264 | 1.4954 | 1.5767 | 1.4204 | 2.2175 |
| 9 | 1.1125 | 1.4977 | 1.3677 | 1.6834 | 1.3913 | 1.4870 | 1.7762 | 0.9638 |
| | 1.9232 | 1.6431 | 1.7772 | 1.5287 | 1.7234 | 1.5870 | 1.4269 | 2.2424 |
| 10 | 1.1901 | 1.3679 | 1.1763 | 1.2894 | 1.6848 | 1.4708 | 1.7363 | 0.8530 |
| | 2.0592 | 1.7769 | 2.0824 | 1.8742 | 1.5253 | 1.6013 | 1.4631 | 2.5004 |
| 11 | 1.3185 | 1.6833 | 1.2895 | 1.6169 | 1.2542 | 1.6512 | 1.6383 | 0.7829 |
| | 1.8264 | 1.5289 | 1.8742 | 1.5263 | 1.8232 | 1.5009 | 1.5330 | 2.7578 |
| 12 | 1.7127 | 1.3910 | 1.6843 | 1.2540 | 1.0800 | 1.4086 | 0.9994 | |
| | 1.4954 | 1.7236 | 1.5257 | 1.8236 | 1.6971 | 1.5246 | 1.9948 | |
| 13 | 1.4906 | 1.4856 | 1.4710 | 1.6519 | 1.4088 | 0.8267 | 0.5444 | |
| | 1.5767 | 1.5884 | 1.6008 | 1.5013 | 1.5249 | 2.0590 | 3.4387 | |
| 14 | 1.7837 | 1.7728 | 1.7371 | 1.6402 | 1.0002 | 0.5445 | | |
| | 1.4204 | 1.4296 | 1.4623 | 1.5317 | 1.9923 | 3.4381 | | |
| 15 | 0.9624 | 0.8889 | 0.9042 | 0.7943 | F-SUB-Q | | | |
| | 2.2175 | 2.3634 | 2.3581 | 2.7118 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1935 | 1.1329 | 1.1851 | 1.3101 | 1.7074 | 1.4778 | 1.7758 | 0.9495 |
| | 1.6776 | 2.0078 | 2.1849 | 1.9391 | 1.5789 | 1.6667 | 1.4937 | 2.3525 |
| 9 | 1.1329 | 1.5159 | 1.3684 | 1.6819 | 1.3820 | 1.4775 | 1.7698 | 0.9505 |
| | 2.0078 | 1.7075 | 1.8705 | 1.6155 | 1.8287 | 1.6783 | 1.5011 | 2.3810 |
| 10 | 1.1851 | 1.3686 | 1.1749 | 1.2876 | 1.6887 | 1.4667 | 1.7373 | 0.8433 |
| | 2.1849 | 1.8702 | 2.1840 | 1.9718 | 1.5816 | 1.6877 | 1.5413 | 2.6590 |
| 11 | 1.3101 | 1.6817 | 1.2876 | 1.6383 | 1.2611 | 1.6701 | 1.6545 | 0.7771 |
| | 1.9391 | 1.6157 | 1.9720 | 1.5864 | 1.9039 | 1.5589 | 1.5871 | 2.9399 |
| 12 | 1.7074 | 1.3817 | 1.6882 | 1.2609 | 1.1209 | 1.4548 | 1.0119 | |
| | 1.5789 | 1.8289 | 1.5822 | 1.9044 | 1.7682 | 1.5815 | 2.0875 | |
| 13 | 1.4778 | 1.4765 | 1.4667 | 1.6705 | 1.4547 | 0.8663 | 0.5565 | |
| | 1.6667 | 1.6798 | 1.6868 | 1.5595 | 1.5819 | 2.1551 | 3.6096 | |
| 14 | 1.7758 | 1.7665 | 1.7379 | 1.6562 | 1.0124 | 0.5565 | | |
| | 1.4937 | 1.5039 | 1.5407 | 1.5859 | 2.0852 | 3.6091 | | |
| 15 | 0.9495 | 0.8761 | 0.8910 | 0.7864 | F-SUB-Q | | | |
| | 2.3525 | 2.5111 | 2.5158 | 2.8991 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3281 | 1.1628 | 1.1955 | 1.2979 | 1.6822 | 1.4567 | 1.7449 | 0.9466 |
| | 1.7843 | 2.1269 | 2.2756 | 2.0828 | 1.7013 | 1.7873 | 1.6055 | 2.4908 |
| 9 | 1.1628 | 1.5235 | 1.3633 | 1.6612 | 1.3676 | 1.4605 | 1.7405 | 0.9519 |
| | 2.1269 | 1.8116 | 1.9735 | 1.7384 | 1.9646 | 1.8008 | 1.6138 | 2.5108 |
| 10 | 1.1955 | 1.3635 | 1.1819 | 1.2836 | 1.6757 | 1.4574 | 1.7169 | 0.8510 |
| | 2.2756 | 1.9732 | 2.2924 | 2.0734 | 1.6695 | 1.7793 | 1.6541 | 2.7939 |
| 11 | 1.2979 | 1.6610 | 1.2836 | 1.6497 | 1.2901 | 1.6751 | 1.6544 | 0.7925 |
| | 2.0828 | 1.7387 | 2.0736 | 1.6750 | 2.0041 | 1.6444 | 1.6719 | 3.0234 |
| 12 | 1.6822 | 1.3673 | 1.6751 | 1.2898 | 1.2488 | 1.5184 | 1.0495 | |
| | 1.7013 | 1.9649 | 1.6702 | 2.0046 | 1.8767 | 1.6816 | 2.1631 | |
| 13 | 1.4567 | 1.4595 | 1.4581 | 1.6753 | 1.5180 | 0.9638 | 0.5866 | |
| | 1.7873 | 1.8025 | 1.7785 | 1.6447 | 1.6822 | 2.2517 | 3.7586 | |
| 14 | 1.7449 | 1.7373 | 1.7174 | 1.6557 | 1.0500 | 0.5865 | | |
| | 1.6055 | 1.6169 | 1.6529 | 1.6709 | 2.1608 | 3.7582 | | |
| 15 | 0.9466 | 0.8826 | 0.9037 | 0.7997 | F-SUB-Q | | | |
| | 2.4908 | 2.6328 | 2.6300 | 2.9899 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5583 | 1.2293 | 1.1943 | 1.3027 | 1.7007 | 1.4589 | 1.7612 | 0.9360 |
| | 1.8477 | 2.2190 | 2.4150 | 2.2041 | 1.7976 | 1.8978 | 1.6903 | 2.6750 |
| 9 | 1.2293 | 1.5714 | 1.3814 | 1.6838 | 1.3725 | 1.4676 | 1.7584 | 0.9388 |
| | 2.2190 | 1.8764 | 2.0659 | 1.8111 | 2.0831 | 1.9119 | 1.6992 | 2.7045 |
| 10 | 1.1943 | 1.3817 | 1.1846 | 1.2961 | 1.7173 | 1.4789 | 1.7433 | 0.8386 |
| | 2.4150 | 2.0654 | 2.4188 | 2.1761 | 1.7357 | 1.8599 | 1.7182 | 3.0221 |
| 11 | 1.3027 | 1.6836 | 1.2961 | 1.7036 | 1.3144 | 1.7237 | 1.6988 | 0.7819 |
| | 2.2041 | 1.8114 | 2.1763 | 1.7389 | 2.0983 | 1.7057 | 1.7329 | 3.2426 |
| 12 | 1.7007 | 1.3722 | 1.7165 | 1.3139 | 1.3558 | 1.6353 | 1.0682 | |
| | 1.7976 | 2.0834 | 1.7365 | 2.0990 | 1.9528 | 1.7369 | 2.2902 | |
| 13 | 1.4589 | 1.4665 | 1.4792 | 1.7236 | 1.6348 | 1.0364 | 0.6026 | |
| | 1.8978 | 1.9137 | 1.8593 | 1.7062 | 1.7375 | 2.3804 | 3.9895 | |
| 14 | 1.7612 | 1.7552 | 1.7437 | 1.6998 | 1.0684 | 0.6024 | | |
| | 1.6903 | 1.7025 | 1.7164 | 1.7320 | 2.2879 | 3.9893 | | |
| 15 | 0.9360 | 0.8665 | 0.8878 | 0.7919 | F-SUB-Q | | | |
| | 2.6750 | 2.8489 | 2.8536 | 3.1946 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6327 | 1.2744 | 1.2006 | 1.3018 | 1.7010 | 1.4529 | 1.7575 | 0.9316 |
| | 1.9003 | 2.2671 | 2.4466 | 2.2451 | 1.8430 | 2.0000 | 1.7921 | 2.8500 |
| 9 | 1.2744 | 1.6178 | 1.3891 | 1.6879 | 1.3707 | 1.4652 | 1.7561 | 0.9353 |
| | 2.2671 | 1.9161 | 2.1005 | 1.8542 | 2.1304 | 1.9888 | 1.7929 | 2.8730 |
| 10 | 1.2006 | 1.3895 | 1.1906 | 1.3021 | 1.7343 | 1.4869 | 1.7482 | 0.8378 |
| | 2.4466 | 2.1000 | 2.4649 | 2.2390 | 1.8042 | 1.9452 | 1.7979 | 3.1552 |
| 11 | 1.3018 | 1.6876 | 1.3020 | 1.7307 | 1.3330 | 1.7474 | 1.7183 | 0.7851 |
| | 2.2451 | 1.8545 | 2.2393 | 1.8034 | 2.1860 | 1.7893 | 1.8225 | 3.3847 |
| 12 | 1.7010 | 1.3703 | 1.7334 | 1.3325 | 1.4109 | 1.6924 | 1.0897 | |
| | 1.8430 | 2.1308 | 1.8051 | 2.1868 | 2.0660 | 1.8338 | 2.4086 | |
| 13 | 1.4529 | 1.4641 | 1.4871 | 1.7464 | 1.6918 | 1.0800 | 0.6191 | |
| | 2.0000 | 1.9903 | 1.9447 | 1.7903 | 1.8345 | 2.5152 | 4.2019 | |
| 14 | 1.7575 | 1.7529 | 1.7485 | 1.7191 | 1.0898 | 0.6189 | | |
| | 1.7921 | 1.7961 | 1.7977 | 1.8218 | 2.4064 | 4.2018 | | |
| 15 | 0.9316 | 0.8636 | 0.8879 | 0.7954 | F-SUB-Q | | | |
| | 2.8500 | 3.0239 | 2.9767 | 3.3337 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6504 | 1.2891 | 1.2097 | 1.2944 | 1.6841 | 1.4387 | 1.7366 | 0.9312 |
| | 1.8769 | 2.2319 | 2.3846 | 2.2106 | 1.8216 | 1.9730 | 1.7719 | 2.7814 |
| 9 | 1.2891 | 1.6265 | 1.3851 | 1.6751 | 1.3614 | 1.4533 | 1.7363 | 0.9379 |
| | 2.2319 | 1.8927 | 2.0701 | 1.8324 | 2.0994 | 1.9629 | 1.7729 | 2.7969 |
| 10 | 1.2097 | 1.3854 | 1.1955 | 1.3015 | 1.7273 | 1.4812 | 1.7334 | 0.8448 |
| | 2.3846 | 2.0696 | 2.4142 | 2.2058 | 1.7847 | 1.9214 | 1.7787 | 3.0625 |
| 11 | 1.2944 | 1.6748 | 1.3013 | 1.7288 | 1.3372 | 1.7451 | 1.7137 | 0.7984 |
| | 2.2106 | 1.8327 | 2.2061 | 1.7834 | 2.1549 | 1.7708 | 1.8027 | 3.2710 |
| 12 | 1.6841 | 1.3610 | 1.7264 | 1.3365 | 1.4248 | 1.7032 | 1.1106 | |
| | 1.8216 | 2.0999 | 1.7857 | 2.1558 | 2.0442 | 1.8209 | 2.3444 | |
| 13 | 1.4387 | 1.4522 | 1.4814 | 1.7440 | 1.7024 | 1.1064 | 0.6341 | |
| | 1.9730 | 1.9644 | 1.9210 | 1.7719 | 1.8216 | 2.4582 | 4.0922 | |
| 14 | 1.7366 | 1.7331 | 1.7336 | 1.7143 | 1.1106 | 0.6339 | | |
| | 1.7719 | 1.7761 | 1.7786 | 1.8022 | 2.3424 | 4.0922 | | |
| 15 | 0.9312 | 0.8701 | 0.8981 | 0.8052 | F-SUB-Q | | | |
| | 2.7814 | 2.9299 | 2.8806 | 3.2366 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6834 | 1.3039 | 1.2020 | 1.2965 | 1.6994 | 1.4405 | 1.7523 | 0.9207 |
| | 1.8236 | 2.1855 | 2.3524 | 2.1559 | 1.7630 | 1.9127 | 1.7052 | 2.7164 |
| 9 | 1.3039 | 1.6557 | 1.3945 | 1.6934 | 1.3634 | 1.4573 | 1.7529 | 0.9249 |
| | 2.1855 | 1.8396 | 2.0171 | 1.7743 | 2.0472 | 1.9122 | 1.7122 | 2.7426 |
| 10 | 1.2020 | 1.3949 | 1.1922 | 1.3071 | 1.7486 | 1.4906 | 1.7541 | 0.8313 |
| | 2.3524 | 2.0166 | 2.3745 | 2.1581 | 1.7345 | 1.8759 | 1.7223 | 3.0382 |
| 11 | 1.2965 | 1.6930 | 1.3070 | 1.7535 | 1.3434 | 1.7699 | 1.7397 | 0.7832 |
| | 2.1559 | 1.7746 | 2.1585 | 1.7341 | 2.1137 | 1.7214 | 1.7498 | 3.2713 |
| 12 | 1.6994 | 1.3630 | 1.7476 | 1.3427 | 1.4432 | 1.7360 | 1.1042 | |
| | 1.7630 | 2.0477 | 1.7356 | 2.1147 | 1.9963 | 1.7665 | 2.3281 | |
| 13 | 1.4405 | 1.4561 | 1.4905 | 1.7687 | 1.7351 | 1.1051 | 0.6287 | |
| | 1.9127 | 1.9138 | 1.8758 | 1.7226 | 1.7673 | 2.4371 | 4.0849 | |
| 14 | 1.7523 | 1.7506 | 1.7555 | 1.7400 | 1.1041 | 0.6284 | | |
| | 1.7052 | 1.7153 | 1.7223 | 1.7495 | 2.3264 | 4.0852 | | |
| 15 | 0.9207 | 0.8546 | 0.8809 | 0.7929 | F-SUB-Q | | | |
| | 2.7164 | 2.8843 | 2.8672 | 3.2244 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6952 | 1.3083 | 1.1987 | 1.2939 | 1.7005 | 1.4360 | 1.7529 | 0.9149 |
| | 1.7211 | 2.0552 | 2.2312 | 2.0495 | 1.6776 | 1.8303 | 1.6315 | 2.5997 |
| 9 | 1.3083 | 1.6656 | 1.3953 | 1.6966 | 1.3600 | 1.4539 | 1.7548 | 0.9165 |
| | 2.0552 | 1.7318 | 1.9108 | 1.6911 | 1.9498 | 1.8329 | 1.6362 | 2.6310 |
| 10 | 1.1987 | 1.3956 | 1.1910 | 1.3064 | 1.7527 | 1.4903 | 1.7593 | 0.8259 |
| | 2.2312 | 1.9102 | 2.2473 | 2.0561 | 1.6619 | 1.8033 | 1.6565 | 2.9044 |
| 11 | 1.2939 | 1.6963 | 1.3063 | 1.7595 | 1.3434 | 1.7759 | 1.7472 | 0.7790 |
| | 2.0495 | 1.6914 | 2.0564 | 1.6540 | 2.0195 | 1.6518 | 1.6779 | 3.1314 |
| 12 | 1.7005 | 1.3596 | 1.7515 | 1.3426 | 1.4473 | 1.7460 | 1.1029 | |
| | 1.6776 | 1.9503 | 1.6629 | 2.0205 | 1.9145 | 1.6948 | 2.2320 | |
| 13 | 1.4360 | 1.4527 | 1.4901 | 1.7745 | 1.7451 | 1.1048 | 0.6265 | |
| | 1.8303 | 1.8343 | 1.8034 | 1.6531 | 1.6957 | 2.3349 | 3.8789 | |
| 14 | 1.7529 | 1.7525 | 1.7605 | 1.7473 | 1.1027 | 0.6262 | | |
| | 1.6315 | 1.6390 | 1.6566 | 1.6778 | 2.2306 | 3.8793 | | |
| 15 | 0.9149 | 0.8483 | 0.8759 | 0.7874 | F-SUB-Q | | | |
| | 2.5997 | 2.7610 | 2.7483 | 3.0924 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6973 | 1.3081 | 1.1999 | 1.2894 | 1.6958 | 1.4292 | 1.7472 | 0.9123 |
| | 1.5861 | 1.8968 | 2.0576 | 1.8930 | 1.5506 | 1.7001 | 1.5139 | 2.4112 |
| 9 | 1.3081 | 1.6665 | 1.3928 | 1.6932 | 1.3548 | 1.4477 | 1.7497 | 0.9173 |
| | 1.8968 | 1.5970 | 1.7675 | 1.5587 | 1.8027 | 1.6969 | 1.5167 | 2.4304 |
| 10 | 1.1999 | 1.3932 | 1.1869 | 1.3028 | 1.7491 | 1.4852 | 1.7559 | 0.8260 |
| | 2.0576 | 1.7670 | 2.0829 | 1.9035 | 1.5372 | 1.6720 | 1.5300 | 2.6764 |
| 11 | 1.2894 | 1.6928 | 1.3026 | 1.7575 | 1.3398 | 1.7727 | 1.7450 | 0.7795 |
| | 1.8930 | 1.5590 | 1.9038 | 1.5280 | 1.8687 | 1.5270 | 1.5513 | 2.8905 |
| 12 | 1.6958 | 1.3544 | 1.7479 | 1.3390 | 1.4447 | 1.7451 | 1.1052 | |
| | 1.5506 | 1.8031 | 1.5382 | 1.8696 | 1.7686 | 1.5633 | 2.0552 | |
| 13 | 1.4292 | 1.4464 | 1.4849 | 1.7712 | 1.7441 | 1.1068 | 0.6270 | |
| | 1.7001 | 1.6983 | 1.6722 | 1.5282 | 1.5642 | 2.1490 | 3.5766 | |
| 14 | 1.7472 | 1.7473 | 1.7569 | 1.7450 | 1.1049 | 0.6267 | | |
| | 1.5139 | 1.5192 | 1.5302 | 1.5514 | 2.0540 | 3.5771 | | |
| 15 | 0.9123 | 0.8485 | 0.8764 | 0.7897 | F-SUB-Q | | | |
| | 2.4112 | 2.5521 | 2.5235 | 2.8482 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6911 | 1.3053 | 1.2075 | 1.2842 | 1.6832 | 1.4207 | 1.7328 | 0.9157 |
| | 1.5977 | 1.9074 | 2.0448 | 1.9058 | 1.5667 | 1.7185 | 1.5334 | 2.4174 |
| 9 | 1.3053 | 1.6580 | 1.3870 | 1.6815 | 1.3485 | 1.4391 | 1.7354 | 0.9231 |
| | 1.9074 | 1.6106 | 1.7746 | 1.5721 | 1.8163 | 1.7117 | 1.5351 | 2.4285 |
| 10 | 1.2075 | 1.3874 | 1.1922 | 1.3017 | 1.7368 | 1.4779 | 1.7426 | 0.8340 |
| | 2.0448 | 1.7740 | 2.0742 | 1.9100 | 1.5487 | 1.6792 | 1.5430 | 2.6592 |
| 11 | 1.2842 | 1.6811 | 1.3014 | 1.7458 | 1.3371 | 1.7604 | 1.7330 | 0.7913 |
| | 1.9058 | 1.5724 | 1.9103 | 1.5411 | 1.8794 | 1.5404 | 1.5644 | 2.8450 |
| 12 | 1.6832 | 1.3481 | 1.7355 | 1.3362 | 1.4374 | 1.7333 | 1.1157 | |
| | 1.5667 | 1.8168 | 1.5498 | 1.8804 | 1.7813 | 1.5772 | 2.0426 | |
| 13 | 1.4207 | 1.4378 | 1.4775 | 1.7588 | 1.7322 | 1.1149 | 0.6329 | |
| | 1.7185 | 1.7131 | 1.6794 | 1.5417 | 1.5782 | 2.1381 | 3.5575 | |
| 14 | 1.7328 | 1.7330 | 1.7436 | 1.7328 | 1.1153 | 0.6325 | | |
| | 1.5334 | 1.5377 | 1.5433 | 1.5646 | 2.0415 | 3.5582 | | |
| 15 | 0.9157 | 0.8571 | 0.8875 | 0.7978 | F-SUB-Q | | | |
| | 2.4174 | 2.5405 | 2.5000 | 2.8168 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7182 | 1.3161 | 1.2009 | 1.2916 | 1.7080 | 1.4306 | 1.7598 | 0.9087 |
| | 1.4587 | 1.7621 | 1.9235 | 1.7755 | 1.4467 | 1.6013 | 1.4163 | 2.2860 |
| 9 | 1.3161 | 1.6858 | 1.3999 | 1.7072 | 1.3565 | 1.4499 | 1.7629 | 0.9115 |
| | 1.7621 | 1.4764 | 1.6441 | 1.4497 | 1.6919 | 1.5915 | 1.4171 | 2.3089 |
| 10 | 1.2009 | 1.4003 | 1.1892 | 1.3057 | 1.7625 | 1.4898 | 1.7714 | 0.8221 |
| | 1.9235 | 1.6435 | 1.9425 | 1.7730 | 1.4229 | 1.5548 | 1.4201 | 2.5285 |
| 11 | 1.2916 | 1.7068 | 1.3055 | 1.7730 | 1.3422 | 1.7872 | 1.7619 | 0.7754 |
| | 1.7755 | 1.4499 | 1.7733 | 1.4138 | 1.7408 | 1.4129 | 1.4332 | 2.7130 |
| 12 | 1.7080 | 1.3561 | 1.7611 | 1.3413 | 1.4512 | 1.7621 | 1.1047 | |
| | 1.4467 | 1.6924 | 1.4239 | 1.7418 | 1.6393 | 1.4450 | 1.9220 | |
| 13 | 1.4306 | 1.4486 | 1.4894 | 1.7855 | 1.7610 | 1.1063 | 0.6232 | |
| | 1.6013 | 1.5928 | 1.5551 | 1.4142 | 1.4459 | 2.0075 | 3.3723 | |
| 14 | 1.7598 | 1.7606 | 1.7722 | 1.7616 | 1.1042 | 0.6228 | | |
| | 1.4163 | 1.4195 | 1.4203 | 1.4335 | 1.9211 | 3.3730 | | |
| 15 | 0.9087 | 0.8441 | 0.8726 | 0.7842 | F-SUB-Q | | | |
| | 2.2860 | 2.4216 | 2.3857 | 2.6782 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7308 | 1.3227 | 1.2060 | 1.2964 | 1.7175 | 1.4362 | 1.7698 | 0.9110 |
| | 1.3458 | 1.6350 | 1.8099 | 1.6748 | 1.3616 | 1.5111 | 1.3333 | 2.1618 |
| 9 | 1.3227 | 1.6974 | 1.4069 | 1.7171 | 1.3616 | 1.4556 | 1.7730 | 0.9138 |
| | 1.6350 | 1.3693 | 1.5440 | 1.3627 | 1.5960 | 1.5000 | 1.3336 | 2.1830 |
| 10 | 1.2060 | 1.4074 | 1.1932 | 1.3105 | 1.7723 | 1.4962 | 1.7818 | 0.8236 |
| | 1.8099 | 1.5435 | 1.8303 | 1.6680 | 1.3345 | 1.4613 | 1.3332 | 2.3892 |
| 11 | 1.2964 | 1.7167 | 1.3103 | 1.7833 | 1.3468 | 1.7974 | 1.7727 | 0.7769 |
| | 1.6748 | 1.3630 | 1.6683 | 1.3218 | 1.6343 | 1.3214 | 1.3417 | 2.5584 |
| 12 | 1.7175 | 1.3611 | 1.7709 | 1.3458 | 1.4576 | 1.7728 | 1.1087 | |
| | 1.3616 | 1.5964 | 1.3355 | 1.6352 | 1.5228 | 1.3418 | 1.7976 | |
| 13 | 1.4362 | 1.4543 | 1.4958 | 1.7960 | 1.7717 | 1.1103 | 0.6239 | |
| | 1.5111 | 1.5012 | 1.4615 | 1.3227 | 1.3427 | 1.8677 | 3.1634 | |
| 14 | 1.7698 | 1.7706 | 1.7827 | 1.7724 | 1.1082 | 0.6236 | | |
| | 1.3333 | 1.3356 | 1.3326 | 1.3420 | 1.7969 | 3.1641 | | |
| 15 | 0.9110 | 0.8459 | 0.8751 | 0.7858 | F-SUB-Q | | | |
| | 2.1618 | 2.2904 | 2.2508 | 2.5252 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7212 | 1.3219 | 1.2213 | 1.2953 | 1.7041 | 1.4331 | 1.7546 | 0.9209 |
| | 1.2741 | 1.5431 | 1.6885 | 1.5866 | 1.2981 | 1.4381 | 1.2760 | 2.0389 |
| 9 | 1.3219 | 1.6852 | 1.4041 | 1.7035 | 1.3605 | 1.4519 | 1.7571 | 0.9285 |
| | 1.5431 | 1.3001 | 1.4609 | 1.2964 | 1.5119 | 1.4258 | 1.2750 | 2.0465 |
| 10 | 1.2213 | 1.4046 | 1.2050 | 1.3153 | 1.7580 | 1.4923 | 1.7651 | 0.8375 |
| | 1.6885 | 1.4604 | 1.7135 | 1.5732 | 1.2682 | 1.3837 | 1.2705 | 2.2343 |
| 11 | 1.2953 | 1.7031 | 1.3151 | 1.7686 | 1.3505 | 1.7826 | 1.7563 | 0.7946 |
| | 1.5866 | 1.2967 | 1.5736 | 1.2567 | 1.5412 | 1.2555 | 1.2760 | 2.3732 |
| 12 | 1.7041 | 1.3601 | 1.7567 | 1.3495 | 1.4519 | 1.7567 | 1.1263 | |
| | 1.2981 | 1.5122 | 1.2692 | 1.5422 | 1.4406 | 1.2750 | 1.6690 | |
| 13 | 1.4331 | 1.4506 | 1.4920 | 1.7814 | 1.7556 | 1.1259 | 0.6349 | |
| | 1.4381 | 1.4270 | 1.3839 | 1.2567 | 1.2758 | 1.7365 | 2.9374 | |
| 14 | 1.7546 | 1.7547 | 1.7662 | 1.7562 | 1.1260 | 0.6346 | | |
| | 1.2760 | 1.2767 | 1.2699 | 1.2762 | 1.6681 | 2.9379 | | |
| 15 | 0.9209 | 0.8615 | 0.8950 | 0.8015 | F-SUB-Q | | | |
| | 2.0389 | 2.1427 | 2.0915 | 2.3487 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7276 | 1.3236 | 1.2077 | 1.2958 | 1.7131 | 1.4368 | 1.7628 | 0.9082 |
| | 1.2100 | 1.4703 | 1.6304 | 1.5140 | 1.2315 | 1.3688 | 1.2109 | 1.9742 |
| 9 | 1.3236 | 1.6949 | 1.4098 | 1.7120 | 1.3616 | 1.4557 | 1.7652 | 0.9126 |
| | 1.4703 | 1.2326 | 1.3887 | 1.2303 | 1.4426 | 1.3569 | 1.2098 | 1.9891 |
| 10 | 1.2077 | 1.4103 | 1.1915 | 1.3075 | 1.7653 | 1.4941 | 1.7720 | 0.8168 |
| | 1.6304 | 1.3881 | 1.6531 | 1.5060 | 1.2040 | 1.3177 | 1.2059 | 2.1884 |
| 11 | 1.2958 | 1.7116 | 1.3073 | 1.7762 | 1.3420 | 1.7892 | 1.7615 | 0.7726 |
| | 1.5140 | 1.2306 | 1.5062 | 1.1926 | 1.4756 | 1.1918 | 1.2122 | 2.3316 |
| 12 | 1.7131 | 1.3611 | 1.7640 | 1.3412 | 1.4559 | 1.7643 | 1.1057 | |
| | 1.2315 | 1.4430 | 1.2048 | 1.4764 | 1.3694 | 1.2095 | 1.6213 | |
| 13 | 1.4368 | 1.4545 | 1.4940 | 1.7879 | 1.7633 | 1.1108 | 0.6222 | |
| | 1.3688 | 1.3580 | 1.3177 | 1.1929 | 1.2102 | 1.6787 | 2.8641 | |
| 14 | 1.7628 | 1.7630 | 1.7734 | 1.7618 | 1.1055 | 0.6219 | | |
| | 1.2109 | 1.2113 | 1.2051 | 1.2122 | 1.6203 | 2.8646 | | |
| 15 | 0.9082 | 0.8411 | 0.8732 | 0.7828 | F-SUB-Q | | | |
| | 1.9742 | 2.0966 | 2.0475 | 2.2969 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6466 | 1.2750 | 1.1631 | 1.2480 | 1.6379 | 1.3860 | 1.6789 | 0.8693 |
| | 1.2223 | 1.4715 | 1.6271 | 1.5157 | 1.2408 | 1.3673 | 1.2248 | 1.9912 |
| 9 | 1.2750 | 1.6189 | 1.3629 | 1.6349 | 1.3129 | 1.4022 | 1.6808 | 0.8710 |
| | 1.4715 | 1.2429 | 1.3850 | 1.2408 | 1.4421 | 1.3578 | 1.2239 | 2.0122 |
| 10 | 1.1631 | 1.3634 | 1.1504 | 1.2568 | 1.6829 | 1.4366 | 1.6847 | 0.7751 |
| | 1.6271 | 1.3845 | 1.6511 | 1.5100 | 1.2155 | 1.3198 | 1.2214 | 2.2268 |
| 11 | 1.2480 | 1.6346 | 1.2566 | 1.6926 | 1.2882 | 1.7032 | 1.6708 | 0.7366 |
| | 1.5157 | 1.2410 | 1.5103 | 1.2050 | 1.4812 | 1.2047 | 1.2303 | 2.3617 |
| 12 | 1.6379 | 1.3124 | 1.6818 | 1.2875 | 1.4027 | 1.6789 | 1.0561 | |
| | 1.2408 | 1.4425 | 1.2163 | 1.4819 | 1.3694 | 1.2233 | 1.6367 | |
| 13 | 1.3860 | 1.4011 | 1.4366 | 1.7020 | 1.6781 | 1.0674 | 0.5966 | |
| | 1.3673 | 1.3588 | 1.3196 | 1.2056 | 1.2240 | 1.6850 | 2.8870 | |
| 14 | 1.6789 | 1.6788 | 1.6870 | 1.6716 | 1.0561 | 0.5964 | | |
| | 1.2248 | 1.2254 | 1.2200 | 1.2298 | 1.6355 | 2.8873 | | |
| 15 | 0.8693 | 0.8011 | 0.8366 | 0.7449 | F-SUB-Q | | | |
| | 1.9912 | 2.1255 | 2.0630 | 2.3311 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 75% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3903 | 1.1055 | 1.0173 | 1.0803 | 1.3895 | 1.1968 | 1.4134 | 0.7444 |
| | 1.4048 | 1.6487 | 1.8101 | 1.7016 | 1.4198 | 1.5381 | 1.4124 | 2.2648 |
| 9 | 1.1055 | 1.3724 | 1.1874 | 1.3856 | 1.1412 | 1.2102 | 1.4150 | 0.7490 |
| | 1.6487 | 1.4237 | 1.5454 | 1.4208 | 1.6119 | 1.5277 | 1.4111 | 2.2777 |
| 10 | 1.0173 | 1.1878 | 1.0026 | 1.0866 | 1.4190 | 1.2384 | 1.4167 | 0.6541 |
| | 1.8101 | 1.5448 | 1.8409 | 1.6970 | 1.3984 | 1.4865 | 1.4099 | 2.5699 |
| 11 | 1.0803 | 1.3854 | 1.0865 | 1.4350 | 1.1137 | 1.4307 | 1.3974 | 0.6254 |
| | 1.7016 | 1.4211 | 1.6972 | 1.3793 | 1.6643 | 1.3910 | 1.4282 | 2.7093 |
| 12 | 1.3895 | 1.1409 | 1.4182 | 1.1131 | 1.2278 | 1.4154 | 0.8951 | |
| | 1.4199 | 1.6123 | 1.3992 | 1.6651 | 1.5189 | 1.4086 | 1.8776 | |
| 13 | 1.1968 | 1.2094 | 1.2387 | 1.4299 | 1.4149 | 0.9190 | 0.5120 | |
| | 1.5381 | 1.5287 | 1.4860 | 1.3919 | 1.4092 | 1.9030 | 3.2809 | |
| 14 | 1.4134 | 1.4135 | 1.4176 | 1.3986 | 0.8952 | 0.5118 | | |
| | 1.4124 | 1.4127 | 1.4091 | 1.4271 | 1.8759 | 3.2809 | | |
| 15 | 0.7444 | 0.6821 | 0.7208 | 0.6324 | F-SUB-Q | | | |
| | 2.2648 | 2.4296 | 2.3314 | 2.6744 | M-SUB-Q | | | |

AT 75% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6428 | 0.5493 | 0.5189 | 0.5487 | 0.6425 | 0.5597 | 0.6195 | 0.3538 |
| | 2.9640 | 3.2409 | 3.4681 | 3.2714 | 2.9991 | 3.2078 | 3.1413 | 4.6608 |
| 9 | 0.5493 | 0.6316 | 0.5573 | 0.6392 | 0.5676 | 0.5652 | 0.6196 | 0.3556 |
| | 3.2409 | 3.0192 | 3.2140 | 3.0055 | 3.1646 | 3.1902 | 3.1406 | 4.6947 |
| 10 | 0.5189 | 0.5575 | 0.5127 | 0.5511 | 0.6531 | 0.5748 | 0.6187 | 0.3303 |
| | 3.4681 | 3.2130 | 3.5184 | 3.2668 | 2.9630 | 3.1218 | 3.1462 | 4.9805 |
| 11 | 0.5487 | 0.6391 | 0.5510 | 0.6412 | 0.5633 | 0.6537 | 0.6033 | 0.3053 |
| | 3.2714 | 3.0060 | 3.2672 | 3.0088 | 3.2115 | 2.9690 | 3.2282 | 5.4367 |
| 12 | 0.6425 | 0.5674 | 0.6529 | 0.5631 | 0.5685 | 0.6184 | 0.4240 | |
| | 2.9991 | 3.1653 | 2.9643 | 3.2125 | 3.2009 | 3.1432 | 3.8737 | |
| 13 | 0.5597 | 0.5648 | 0.5750 | 0.6535 | 0.6182 | 0.4377 | 0.2547 | |
| | 3.2078 | 3.1921 | 3.1203 | 2.9700 | 3.1441 | 3.9044 | 6.4643 | |
| 14 | 0.6195 | 0.6187 | 0.6194 | 0.6041 | 0.4241 | 0.2547 | | |
| | 3.1413 | 3.1461 | 3.1434 | 3.2241 | 3.8693 | 6.4632 | | |
| 15 | 0.3538 | 0.3409 | 0.3441 | 0.3089 | F-SUB-Q | | | |
| | 4.6608 | 4.7596 | 4.7802 | 5.3622 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4252 | 0.4903 | 0.5205 | 0.5773 | 0.6762 | 0.5830 | 0.5879 | 0.3119 |
| | 4.0166 | 4.6912 | 4.7406 | 4.2576 | 3.6373 | 4.2456 | 4.2535 | 7.3290 |
| 9 | 0.4903 | 0.5959 | 0.5617 | 0.6532 | 0.5955 | 0.5644 | 0.5788 | 0.3100 |
| | 4.6912 | 4.1408 | 4.4113 | 3.7664 | 4.1265 | 4.3774 | 4.3151 | 7.3580 |
| 10 | 0.5205 | 0.5619 | 0.5069 | 0.5404 | 0.6155 | 0.5304 | 0.5321 | 0.2675 |
| | 4.7406 | 4.4097 | 4.9360 | 4.5480 | 3.9750 | 4.6061 | 4.5972 | 8.4809 |
| 11 | 0.5773 | 0.6535 | 0.5411 | 0.5573 | 0.4830 | 0.5126 | 0.4644 | 0.2248 |
| | 4.2576 | 3.7645 | 4.5426 | 4.2995 | 4.9054 | 4.4527 | 5.2136 | 9.8018 |
| 12 | 0.6762 | 0.5958 | 0.6165 | 0.4837 | 0.3598 | 0.3783 | 0.2886 | |
| | 3.6373 | 4.1242 | 3.9686 | 4.8988 | 4.9832 | 4.8722 | 6.6683 | |
| 13 | 0.5830 | 0.5649 | 0.5321 | 0.5151 | 0.3804 | 0.2310 | 0.1364 | |
| | 4.2456 | 4.3731 | 4.5917 | 4.4363 | 4.8594 | 6.1958 | *12.1444 | |
| 14 | 0.5879 | 0.5784 | 0.5357 | 0.4688 | 0.2911 | 0.1370 | | |
| | 4.2535 | 4.3182 | 4.5656 | 5.1650 | 6.6263 | *12.1125 | | |
| 15 | 0.3119 | 0.2905 | 0.2832 | 0.2314 | F-SUB-Q | | | |
| | 7.3290 | 7.9019 | 7.8888 | 9.5367 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0283 | 1.1081 | 1.1637 | 1.2722 | 1.6380 | 1.3974 | 1.5321 | 0.7404 |
| | 1.7318 | 2.1533 | 2.1899 | 1.9974 | 1.5547 | 1.8305 | 1.6881 | 3.1949 |
| 9 | 1.1081 | 1.4776 | 1.3584 | 1.5916 | 1.3441 | 1.3616 | 1.5097 | 0.7336 |
| | 2.1533 | 1.7326 | 1.8806 | 1.5976 | 1.8911 | 1.8767 | 1.6999 | 3.2095 |
| 10 | 1.1637 | 1.3587 | 1.1383 | 1.1811 | 1.4892 | 1.2740 | 1.3976 | 0.5951 |
| | 2.1899 | 1.8802 | 2.2667 | 2.1480 | 1.6988 | 1.9875 | 1.8086 | 3.9329 |
| 11 | 1.2722 | 1.5924 | 1.1823 | 1.4073 | 1.0461 | 1.2562 | 1.1973 | 0.5240 |
| | 1.9974 | 1.5969 | 2.1458 | 1.7673 | 2.2930 | 1.8713 | 2.0654 | 4.3520 |
| 12 | 1.6380 | 1.3447 | 1.4914 | 1.0474 | 0.8556 | 0.9709 | 0.6915 | |
| | 1.5547 | 1.8901 | 1.6963 | 2.2901 | 2.0940 | 1.9155 | 2.8692 | |
| 13 | 1.3974 | 1.3626 | 1.2781 | 1.2624 | 0.9762 | 0.5685 | 0.3138 | |
| | 1.8305 | 1.8752 | 1.9811 | 1.8642 | 1.9109 | 2.5817 | 5.4433 | |
| 14 | 1.5321 | 1.5081 | 1.4076 | 1.2090 | 0.6975 | 0.3152 | | |
| | 1.6881 | 1.7014 | 1.7956 | 2.0464 | 2.8512 | 5.4293 | | |
| 15 | 0.7404 | 0.6565 | 0.6706 | 0.5384 | F-SUB-Q | | | |
| | 3.1949 | 3.6154 | 3.4359 | 4.2422 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1248 | 1.3217 | 1.4043 | 1.4789 | 1.6746 | 1.6554 | 1.6698 | 0.8620 |
| | 1.8301 | 1.9257 | 1.8623 | 1.7638 | 1.5600 | 1.5820 | 1.5688 | 2.7800 |
| 9 | 1.3217 | 1.5196 | 1.6034 | 1.6076 | 1.5523 | 1.6281 | 1.6500 | 0.8503 |
| | 1.9257 | 1.7257 | 1.6328 | 1.6231 | 1.6804 | 1.6060 | 1.5853 | 2.8104 |
| 10 | 1.4043 | 1.6036 | 1.3811 | 1.3597 | 1.4920 | 1.5111 | 1.5552 | 0.6984 |
| | 1.8623 | 1.6326 | 1.8972 | 1.9159 | 1.7431 | 1.7179 | 1.6698 | 3.4284 |
| 11 | 1.4789 | 1.6082 | 1.3608 | 1.4488 | 1.1740 | 1.2662 | 1.3373 | 0.6146 |
| | 1.7638 | 1.6225 | 1.9139 | 1.7859 | 2.0361 | 1.9330 | 1.9222 | 3.8109 |
| 12 | 1.6746 | 1.5533 | 1.4953 | 1.1761 | 1.0058 | 1.0596 | 0.7903 | |
| | 1.5600 | 1.6790 | 1.7392 | 2.0347 | 1.8077 | 1.7555 | 2.5720 | |
| 13 | 1.6554 | 1.6295 | 1.5182 | 1.2749 | 1.0647 | 0.6775 | 0.3786 | |
| | 1.5820 | 1.6046 | 1.7097 | 1.9284 | 1.7519 | 2.2355 | 4.6394 | |
| 14 | 1.6698 | 1.6493 | 1.5628 | 1.3529 | 0.7973 | 0.3802 | | |
| | 1.5688 | 1.5858 | 1.6611 | 1.9030 | 2.5552 | 4.6274 | | |
| 15 | 0.8620 | 0.7690 | 0.7829 | 0.6337 | F-SUB-Q | | | |
| | 2.7800 | 3.1272 | 3.0123 | 3.7011 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2584 | 1.4321 | 1.5206 | 1.5757 | 1.8145 | 1.7881 | 1.8333 | 0.8977 |
| | 1.7318 | 1.8752 | 1.7765 | 1.7092 | 1.4842 | 1.5057 | 1.4673 | 2.7407 |
| 9 | 1.4321 | 1.6616 | 1.7437 | 1.7402 | 1.6638 | 1.7670 | 1.8117 | 0.8826 |
| | 1.8752 | 1.6312 | 1.5496 | 1.5483 | 1.6163 | 1.5217 | 1.4839 | 2.7819 |
| 10 | 1.5206 | 1.7439 | 1.4970 | 1.4527 | 1.6178 | 1.6386 | 1.7049 | 0.7244 |
| | 1.7765 | 1.5495 | 1.8044 | 1.8525 | 1.6594 | 1.6333 | 1.5691 | 3.4071 |
| 11 | 1.5757 | 1.7408 | 1.4540 | 1.5775 | 1.2348 | 1.3688 | 1.4556 | 0.6405 |
| | 1.7092 | 1.5478 | 1.8508 | 1.7047 | 1.9788 | 1.8437 | 1.8284 | 3.7795 |
| 12 | 1.8145 | 1.6651 | 1.6216 | 1.2370 | 1.0843 | 1.1580 | 0.8215 | |
| | 1.4842 | 1.6150 | 1.6554 | 1.9774 | 1.7287 | 1.6603 | 2.5643 | |
| 13 | 1.7881 | 1.7681 | 1.6468 | 1.3821 | 1.1637 | 0.7289 | 0.3969 | |
| | 1.5057 | 1.5207 | 1.6250 | 1.8392 | 1.6568 | 2.1760 | 4.5981 | |
| 14 | 1.8333 | 1.8113 | 1.7139 | 1.4733 | 0.8290 | 0.3987 | | |
| | 1.4673 | 1.4841 | 1.5599 | 1.8063 | 2.5468 | 4.5859 | | |
| 15 | 0.8977 | 0.7927 | 0.8146 | 0.6610 | F-SUB-Q | | | |
| | 2.7407 | 3.1167 | 2.9837 | 3.6661 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3167 | 1.4691 | 1.5546 | 1.6083 | 1.8736 | 1.8360 | 1.9000 | 0.9144 |
| | 1.7983 | 1.9261 | 1.8098 | 1.7411 | 1.4947 | 1.5239 | 1.4712 | 2.7975 |
| 9 | 1.4691 | 1.7233 | 1.7912 | 1.7923 | 1.6977 | 1.8119 | 1.8775 | 0.9009 |
| | 1.9261 | 1.6423 | 1.5713 | 1.5630 | 1.6470 | 1.5430 | 1.4884 | 2.8343 |
| 10 | 1.5546 | 1.7913 | 1.5295 | 1.4811 | 1.6630 | 1.6817 | 1.7693 | 0.7417 |
| | 1.8098 | 1.5711 | 1.8426 | 1.8930 | 1.6780 | 1.6537 | 1.5730 | 3.4671 |
| 11 | 1.6083 | 1.7930 | 1.4824 | 1.6211 | 1.2578 | 1.4189 | 1.5117 | 0.6548 |
| | 1.7411 | 1.5623 | 1.8912 | 1.7299 | 2.0357 | 1.8661 | 1.8285 | 3.8406 |
| 12 | 1.8736 | 1.6991 | 1.6672 | 1.2601 | 1.1158 | 1.2085 | 0.8458 | |
| | 1.4947 | 1.6454 | 1.6736 | 2.0343 | 1.7647 | 1.6765 | 2.6151 | |
| 13 | 1.8360 | 1.8133 | 1.6906 | 1.4331 | 1.2146 | 0.7572 | 0.4060 | |
| | 1.5239 | 1.5418 | 1.6446 | 1.8614 | 1.6728 | 2.2205 | 4.7373 | |
| 14 | 1.9000 | 1.8773 | 1.7793 | 1.5306 | 0.8537 | 0.4078 | | |
| | 1.4712 | 1.4884 | 1.5615 | 1.8054 | 2.5969 | 4.7244 | | |
| 15 | 0.9144 | 0.8114 | 0.8328 | 0.6761 | F-SUB-Q | | | |
| | 2.7975 | 3.1671 | 3.0409 | 3.7224 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3372 | 1.4797 | 1.5627 | 1.6160 | 1.8921 | 1.8508 | 1.9238 | 0.9228 |
| | 1.8761 | 2.0030 | 1.8881 | 1.8150 | 1.5456 | 1.5761 | 1.5154 | 2.8950 |
| 9 | 1.4797 | 1.7441 | 1.8047 | 1.8080 | 1.7057 | 1.8251 | 1.9011 | 0.9109 |
| | 2.0030 | 1.7015 | 1.6339 | 1.6224 | 1.7138 | 1.5965 | 1.5330 | 2.9276 |
| 10 | 1.5627 | 1.8048 | 1.5355 | 1.4880 | 1.6767 | 1.6972 | 1.7955 | 0.7534 |
| | 1.8881 | 1.6337 | 1.9222 | 1.9746 | 1.7426 | 1.7131 | 1.6174 | 3.5622 |
| 11 | 1.6160 | 1.8087 | 1.4894 | 1.6334 | 1.2668 | 1.4426 | 1.5387 | 0.6646 |
| | 1.8150 | 1.6217 | 1.9726 | 1.8006 | 2.1424 | 1.9521 | 1.8854 | 3.9700 |
| 12 | 1.8921 | 1.7071 | 1.6811 | 1.2692 | 1.1292 | 1.2352 | 0.8635 | |
| | 1.5456 | 1.7123 | 1.7378 | 2.1408 | 1.8547 | 1.7519 | 2.7269 | |
| 13 | 1.8508 | 1.8269 | 1.7065 | 1.4574 | 1.2414 | 0.7748 | 0.4131 | |
| | 1.5761 | 1.5947 | 1.7034 | 1.9470 | 1.7478 | 2.3264 | 4.9840 | |
| 14 | 1.9238 | 1.9013 | 1.8061 | 1.5582 | 0.8716 | 0.4149 | | |
| | 1.5154 | 1.5327 | 1.6058 | 1.8612 | 2.7070 | 4.9701 | | |
| 15 | 0.9228 | 0.8237 | 0.8443 | 0.6863 | F-SUB-Q | | | |
| | 2.8950 | 3.2579 | 3.1292 | 3.8469 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3627 | 1.4935 | 1.5750 | 1.6278 | 1.9164 | 1.8714 | 1.9556 | 0.9236 |
| | 1.9389 | 2.0883 | 1.9974 | 1.9174 | 1.6190 | 1.6484 | 1.5757 | 3.0544 |
| 9 | 1.4935 | 1.7701 | 1.8240 | 1.8330 | 1.7180 | 1.8461 | 1.9332 | 0.9113 |
| | 2.0883 | 1.7884 | 1.7225 | 1.7023 | 1.8068 | 1.6707 | 1.5945 | 3.0917 |
| 10 | 1.5750 | 1.8243 | 1.5468 | 1.4987 | 1.7017 | 1.7205 | 1.8293 | 0.7529 |
| | 1.9974 | 1.7222 | 2.0347 | 2.0902 | 1.8261 | 1.7947 | 1.6837 | 3.7784 |
| 11 | 1.6278 | 1.8337 | 1.5003 | 1.6579 | 1.2815 | 1.4756 | 1.5740 | 0.6673 |
| | 1.9174 | 1.7016 | 2.0880 | 1.8934 | 2.2598 | 2.0397 | 1.9645 | 4.2117 |
| 12 | 1.9164 | 1.7195 | 1.7063 | 1.2841 | 1.1466 | 1.2716 | 0.8741 | |
| | 1.6190 | 1.8051 | 1.8210 | 2.2581 | 1.9487 | 1.8311 | 2.8861 | |
| 13 | 1.8714 | 1.8481 | 1.7303 | 1.4909 | 1.2781 | 0.7894 | 0.4176 | |
| | 1.6484 | 1.6687 | 1.7842 | 2.0341 | 1.8267 | 2.4733 | 5.3349 | |
| 14 | 1.9556 | 1.9336 | 1.8414 | 1.5942 | 0.8824 | 0.4195 | | |
| | 1.5757 | 1.5940 | 1.6711 | 1.9389 | 2.8649 | 5.3194 | | |
| 15 | 0.9236 | 0.8227 | 0.8463 | 0.6891 | F-SUB-Q | | | |
| | 3.0544 | 3.4467 | 3.3098 | 4.0806 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3830 | 1.5022 | 1.5792 | 1.6298 | 1.9239 | 1.8779 | 1.9681 | 0.9225 |
| | 2.0693 | 2.2398 | 2.1627 | 2.0722 | 1.7392 | 1.7664 | 1.6825 | 3.2831 |
| 9 | 1.5022 | 1.7838 | 1.8321 | 1.8415 | 1.7202 | 1.8536 | 1.9465 | 0.9107 |
| | 2.2398 | 1.9294 | 1.8605 | 1.8327 | 1.9479 | 1.7906 | 1.7030 | 3.3226 |
| 10 | 1.5792 | 1.8324 | 1.5504 | 1.5027 | 1.7131 | 1.7333 | 1.8471 | 0.7539 |
| | 2.1627 | 1.8601 | 2.2046 | 2.2629 | 1.9621 | 1.9244 | 1.7981 | 4.0653 |
| 11 | 1.6298 | 1.8423 | 1.5044 | 1.6715 | 1.2950 | 1.4987 | 1.5985 | 0.6712 |
| | 2.0722 | 1.8319 | 2.2603 | 2.0210 | 2.4016 | 2.1639 | 2.0750 | 4.5338 |
| 12 | 1.9239 | 1.7217 | 1.7178 | 1.2975 | 1.1686 | 1.3084 | 0.8902 | |
| | 1.7392 | 1.9460 | 1.9564 | 2.3997 | 2.0782 | 1.9456 | 3.0664 | |
| 13 | 1.8779 | 1.8559 | 1.7434 | 1.5144 | 1.3151 | 0.8131 | 0.4269 | |
| | 1.7664 | 1.7883 | 1.9128 | 2.1576 | 1.9406 | 2.6551 | 5.7415 | |
| 14 | 1.9681 | 1.9471 | 1.8615 | 1.6192 | 0.8985 | 0.4288 | | |
| | 1.6825 | 1.7024 | 1.7839 | 2.0495 | 3.0431 | 5.7239 | | |
| 15 | 0.9225 | 0.8224 | 0.8485 | 0.6932 | F-SUB-Q | | | |
| | 3.2831 | 3.7040 | 3.5568 | 4.3918 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4259 | 1.5234 | 1.5893 | 1.6352 | 1.9360 | 1.8871 | 1.9842 | 0.9200 |
| | 2.2461 | 2.4168 | 2.3753 | 2.2699 | 1.8932 | 1.9200 | 1.8217 | 3.5801 |
| 9 | 1.5234 | 1.8086 | 1.8469 | 1.8560 | 1.7257 | 1.8642 | 1.9636 | 0.9074 |
| | 2.4168 | 2.0868 | 2.0381 | 1.9987 | 2.1277 | 1.9466 | 1.8439 | 3.6276 |
| 10 | 1.5893 | 1.8473 | 1.5604 | 1.5119 | 1.7322 | 1.7511 | 1.8712 | 0.7529 |
| | 2.3753 | 2.0376 | 2.4226 | 2.4846 | 2.1346 | 2.0922 | 1.9467 | 4.4403 |
| 11 | 1.6352 | 1.8568 | 1.5137 | 1.6967 | 1.3210 | 1.5307 | 1.6312 | 0.6749 |
| | 2.2699 | 1.9978 | 2.4817 | 2.1820 | 2.6023 | 2.3263 | 2.2149 | 4.9425 |
| 12 | 1.9360 | 1.7275 | 1.7371 | 1.3236 | 1.2136 | 1.3736 | 0.9119 | |
| | 1.8932 | 2.1254 | 2.1284 | 2.6002 | 2.2463 | 2.0905 | 3.3256 | |
| 13 | 1.8871 | 1.8667 | 1.7616 | 1.5468 | 1.3803 | 0.8583 | 0.4427 | |
| | 1.9200 | 1.9440 | 2.0794 | 2.3195 | 2.0852 | 2.8792 | 6.2310 | |
| 14 | 1.9842 | 1.9645 | 1.8870 | 1.6524 | 0.9203 | 0.4446 | | |
| | 1.8217 | 1.8431 | 1.9306 | 2.1877 | 3.3002 | 6.2120 | | |
| 15 | 0.9200 | 0.8175 | 0.8492 | 0.6969 | F-SUB-Q | | | |
| | 3.5801 | 4.0531 | 3.8761 | 4.7923 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5131 | 1.5350 | 1.5787 | 1.6172 | 1.9096 | 1.8647 | 1.9565 | 0.9191 |
| | 2.4974 | 2.6899 | 2.6256 | 2.4877 | 2.0726 | 2.0997 | 1.9973 | 3.8616 |
| 9 | 1.5350 | 1.8045 | 1.8335 | 1.8296 | 1.7071 | 1.8437 | 1.9377 | 0.9102 |
| | 2.6899 | 2.3289 | 2.2555 | 2.1973 | 2.3242 | 2.1269 | 2.0198 | 3.8955 |
| 10 | 1.5787 | 1.8341 | 1.5503 | 1.5031 | 1.7150 | 1.7419 | 1.8583 | 0.7625 |
| | 2.6256 | 2.2548 | 2.6830 | 2.7331 | 2.3373 | 2.2786 | 2.1221 | 4.7167 |
| 11 | 1.6172 | 1.8305 | 1.5049 | 1.6892 | 1.3427 | 1.5352 | 1.6345 | 0.6863 |
| | 2.4877 | 2.1962 | 2.7296 | 2.4170 | 2.9003 | 2.5945 | 2.4406 | 5.2485 |
| 12 | 1.9096 | 1.7088 | 1.7200 | 1.3453 | 1.3084 | 1.4588 | 0.9527 | |
| | 2.0726 | 2.3217 | 2.3299 | 2.8979 | 2.5061 | 2.3338 | 3.6317 | |
| 13 | 1.8647 | 1.8464 | 1.7525 | 1.5513 | 1.4644 | 0.9537 | 0.4711 | |
| | 2.0997 | 2.1234 | 2.2638 | 2.5669 | 2.3277 | 3.1691 | 6.8177 | |
| 14 | 1.9565 | 1.9388 | 1.8743 | 1.6558 | 0.9612 | 0.4729 | | |
| | 1.9973 | 2.0183 | 2.1025 | 2.4104 | 3.6029 | 6.7967 | | |
| 15 | 0.9191 | 0.8268 | 0.8566 | 0.7088 | F-SUB-Q | | | |
| | 3.8616 | 4.3158 | 4.1326 | 5.0804 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6681 | 1.5808 | 1.5977 | 1.6289 | 1.9319 | 1.8815 | 1.9849 | 0.9111 |
| | 2.7359 | 2.9733 | 2.8118 | 2.6615 | 2.1983 | 2.2220 | 2.0986 | 4.1324 |
| 9 | 1.5808 | 1.8487 | 1.8598 | 1.8575 | 1.7187 | 1.8626 | 1.9675 | 0.9004 |
| | 2.9733 | 2.5105 | 2.4064 | 2.3315 | 2.4820 | 2.2526 | 2.1239 | 4.1824 |
| 10 | 1.5977 | 1.8604 | 1.5690 | 1.5192 | 1.7488 | 1.7702 | 1.8969 | 0.7528 |
| | 2.8118 | 2.4056 | 2.8718 | 2.9263 | 2.4777 | 2.4209 | 2.2391 | 5.1155 |
| 11 | 1.6289 | 1.8583 | 1.5211 | 1.7339 | 1.3940 | 1.5852 | 1.6843 | 0.6846 |
| | 2.6615 | 2.3304 | 2.9225 | 2.6205 | 3.1832 | 2.8019 | 2.6137 | 5.6950 |
| 12 | 1.9319 | 1.7205 | 1.7540 | 1.3967 | 1.4835 | 1.6249 | 0.9812 | |
| | 2.1983 | 2.4792 | 2.4699 | 3.1805 | 2.7463 | 2.5410 | 4.0333 | |
| 13 | 1.8815 | 1.8655 | 1.7812 | 1.6017 | 1.6300 | 1.0606 | 0.4933 | |
| | 2.2220 | 2.2490 | 2.4052 | 2.7697 | 2.5342 | 3.5342 | 7.6373 | |
| 14 | 1.9849 | 1.9688 | 1.9136 | 1.7061 | 0.9896 | 0.4951 | | |
| | 2.0986 | 2.1225 | 2.2192 | 2.5772 | 4.0015 | 7.6130 | | |
| 15 | 0.9111 | 0.8131 | 0.8505 | 0.7069 | F-SUB-Q | | | |
| | 4.1324 | 4.6616 | 4.4584 | 5.5126 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7285 | 1.5989 | 1.5963 | 1.6212 | 1.9246 | 1.8732 | 1.9794 | 0.9041 |
| | 2.7420 | 2.9807 | 2.9897 | 2.8579 | 2.3794 | 2.4007 | 2.2619 | 4.4596 |
| 9 | 1.5989 | 1.8597 | 1.8598 | 1.8529 | 1.7103 | 1.8562 | 1.9635 | 0.8948 |
| | 2.9807 | 2.5722 | 2.5701 | 2.5089 | 2.6927 | 2.4335 | 2.2889 | 4.5089 |
| 10 | 1.5963 | 1.8605 | 1.5678 | 1.5179 | 1.7512 | 1.7735 | 1.9035 | 0.7508 |
| | 2.9897 | 2.5691 | 3.0600 | 3.1459 | 2.6799 | 2.6134 | 2.4102 | 5.5093 |
| 11 | 1.6212 | 1.8538 | 1.5199 | 1.7479 | 1.4228 | 1.6055 | 1.7038 | 0.6869 |
| | 2.8579 | 2.5076 | 3.1417 | 2.7333 | 3.3344 | 2.9666 | 2.8117 | 6.1397 |
| 12 | 1.9246 | 1.7122 | 1.7565 | 1.4252 | 1.5935 | 1.7230 | 1.0082 | |
| | 2.3794 | 2.6896 | 2.6713 | 3.3290 | 2.9366 | 2.7178 | 4.3242 | |
| 13 | 1.8732 | 1.8593 | 1.7847 | 1.6220 | 1.7281 | 1.1315 | 0.5130 | |
| | 2.4007 | 2.4294 | 2.5962 | 2.9534 | 2.7101 | 3.8062 | 8.3011 | |
| 14 | 1.9794 | 1.9650 | 1.9205 | 1.7258 | 1.0166 | 0.5148 | | |
| | 2.2619 | 2.2871 | 2.3876 | 2.7728 | 4.2887 | 8.2732 | | |
| 15 | 0.9041 | 0.8087 | 0.8485 | 0.7091 | F-SUB-Q | | | |
| | 4.4596 | 5.0218 | 4.8005 | 5.9438 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7192 | 1.5849 | 1.5755 | 1.5942 | 1.8891 | 1.8419 | 1.9435 | 0.8963 |
| | 2.7806 | 3.0147 | 2.8948 | 2.7710 | 2.3272 | 2.3860 | 2.2594 | 4.4546 |
| 9 | 1.5849 | 1.8365 | 1.8333 | 1.8175 | 1.6817 | 1.8263 | 1.9290 | 0.8896 |
| | 3.0147 | 2.5836 | 2.4881 | 2.4391 | 2.6244 | 2.4248 | 2.2905 | 4.4965 |
| 10 | 1.5755 | 1.8341 | 1.5458 | 1.4980 | 1.7232 | 1.7523 | 1.8790 | 0.7528 |
| | 2.8948 | 2.4871 | 2.9666 | 3.0461 | 2.6520 | 2.6234 | 2.4336 | 5.5053 |
| 11 | 1.5942 | 1.8184 | 1.5001 | 1.7306 | 1.4201 | 1.5968 | 1.6914 | 0.6905 |
| | 2.7710 | 2.4378 | 3.0419 | 2.7579 | 3.3748 | 3.0078 | 2.8514 | 6.2354 |
| 12 | 1.8891 | 1.6834 | 1.7285 | 1.4225 | 1.6177 | 1.7446 | 1.0264 | |
| | 2.3272 | 2.6216 | 2.6434 | 3.3692 | 2.9737 | 2.7543 | 4.3169 | |
| 13 | 1.8419 | 1.8296 | 1.7638 | 1.6105 | 1.7497 | 1.1637 | 0.5261 | |
| | 2.3860 | 2.4205 | 2.6070 | 2.9916 | 2.7464 | 3.8169 | 8.3059 | |
| 14 | 1.9435 | 1.9307 | 1.8962 | 1.7134 | 1.0348 | 0.5279 | | |
| | 2.2594 | 2.2885 | 2.4159 | 2.8152 | 4.2812 | 8.2776 | | |
| 15 | 0.8963 | 0.8090 | 0.8479 | 0.7130 | F-SUB-Q | | | |
| | 4.4546 | 4.9742 | 4.8180 | 6.0363 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7331 | 1.5832 | 1.5722 | 1.5871 | 1.8903 | 1.8398 | 1.9518 | 0.8800 |
| | 2.6474 | 2.8869 | 2.7820 | 2.6664 | 2.2281 | 2.2875 | 2.1544 | 4.3442 |
| 9 | 1.5832 | 1.8432 | 1.8331 | 1.8231 | 1.6750 | 1.8255 | 1.9382 | 0.8720 |
| | 2.8869 | 2.4672 | 2.3850 | 2.3303 | 2.5264 | 2.3243 | 2.1838 | 4.3974 |
| 10 | 1.5722 | 1.8339 | 1.5409 | 1.4923 | 1.7319 | 1.7565 | 1.8929 | 0.7351 |
| | 2.7820 | 2.3839 | 2.8521 | 2.9328 | 2.5330 | 2.5138 | 2.3206 | 5.4092 |
| 11 | 1.5871 | 1.8240 | 1.4944 | 1.7431 | 1.4277 | 1.6151 | 1.7098 | 0.6782 |
| | 2.6664 | 2.3291 | 2.9286 | 2.6293 | 3.2219 | 2.8499 | 2.7002 | 6.1075 |
| 12 | 1.8903 | 1.6769 | 1.7373 | 1.4290 | 1.6426 | 1.7787 | 1.0176 | |
| | 2.2281 | 2.5238 | 2.5247 | 3.2168 | 2.8406 | 2.6120 | 4.1584 | |
| 13 | 1.8398 | 1.8289 | 1.7691 | 1.6291 | 1.7839 | 1.1651 | 0.5221 | |
| | 2.2875 | 2.3201 | 2.4974 | 2.8338 | 2.6048 | 3.6728 | 7.9650 | |
| 14 | 1.9518 | 1.9401 | 1.9105 | 1.7322 | 1.0260 | 0.5239 | | |
| | 2.1544 | 2.1818 | 2.3033 | 2.6670 | 4.1251 | 7.9389 | | |
| 15 | 0.8800 | 0.7878 | 0.8325 | 0.7003 | F-SUB-Q | | | |
| | 4.3442 | 4.8928 | 4.7086 | 5.9126 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7158 | 1.5617 | 1.5503 | 1.5639 | 1.8670 | 1.8169 | 1.9326 | 0.8636 |
| | 2.4221 | 2.6504 | 2.5974 | 2.4978 | 2.0914 | 2.1551 | 2.0223 | 4.0754 |
| 9 | 1.5617 | 1.8225 | 1.8098 | 1.8019 | 1.6507 | 1.8034 | 1.9198 | 0.8564 |
| | 2.6504 | 2.2756 | 2.2277 | 2.1771 | 2.3747 | 2.1868 | 2.0480 | 4.1263 |
| 10 | 1.5503 | 1.8108 | 1.5188 | 1.4713 | 1.7138 | 1.7393 | 1.8789 | 0.7214 |
| | 2.5974 | 2.2266 | 2.6599 | 2.7335 | 2.3630 | 2.3518 | 2.1664 | 5.0571 |
| 11 | 1.5639 | 1.8029 | 1.4735 | 1.7278 | 1.4155 | 1.6046 | 1.7009 | 0.6676 |
| | 2.4978 | 2.1760 | 2.7296 | 2.4083 | 2.9551 | 2.6068 | 2.4688 | 5.6658 |
| 12 | 1.8670 | 1.6527 | 1.7193 | 1.4168 | 1.6362 | 1.7760 | 1.0065 | |
| | 2.0914 | 2.3723 | 2.3556 | 2.9503 | 2.6021 | 2.3879 | 3.8336 | |
| 13 | 1.8169 | 1.8070 | 1.7521 | 1.6207 | 1.7812 | 1.1563 | 0.5159 | |
| | 2.1551 | 2.1828 | 2.3366 | 2.5906 | 2.3812 | 3.3843 | 7.3777 | |
| 14 | 1.9326 | 1.9218 | 1.8968 | 1.7234 | 1.0148 | 0.5177 | | |
| | 2.0223 | 2.0461 | 2.1490 | 2.4380 | 3.8024 | 7.3531 | | |
| 15 | 0.8636 | 0.7711 | 0.8186 | 0.6894 | F-SUB-Q | | | |
| | 4.0754 | 4.5986 | 4.3965 | 5.4885 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6828 | 1.5297 | 1.5188 | 1.5314 | 1.8309 | 1.7820 | 1.8974 | 0.8471 |
| | 2.2361 | 2.4453 | 2.3620 | 2.2763 | 1.9055 | 1.9650 | 1.8426 | 3.7237 |
| 9 | 1.5297 | 1.7877 | 1.7746 | 1.7664 | 1.6166 | 1.7690 | 1.8851 | 0.8405 |
| | 2.4453 | 2.0788 | 2.0236 | 1.9823 | 2.1656 | 1.9933 | 1.8655 | 3.7619 |
| 10 | 1.5188 | 1.7755 | 1.4873 | 1.4416 | 1.6815 | 1.7087 | 1.8481 | 0.7102 |
| | 2.3620 | 2.0225 | 2.4189 | 2.4865 | 2.1510 | 2.1392 | 1.9696 | 4.6003 |
| 11 | 1.5314 | 1.7673 | 1.4438 | 1.6984 | 1.3911 | 1.5787 | 1.6748 | 0.6572 |
| | 2.2763 | 1.9813 | 2.4828 | 2.2137 | 2.7394 | 2.4138 | 2.2801 | 5.1472 |
| 12 | 1.8309 | 1.6186 | 1.6870 | 1.3924 | 1.6142 | 1.7524 | 0.9941 | |
| | 1.9055 | 2.1634 | 2.1441 | 2.7349 | 2.4167 | 2.2156 | 3.5544 | |
| 13 | 1.7820 | 1.7726 | 1.7215 | 1.5957 | 1.7576 | 1.1418 | 0.5091 | |
| | 1.9651 | 1.9896 | 2.1250 | 2.3944 | 2.2094 | 3.1391 | 6.8616 | |
| 14 | 1.8974 | 1.8873 | 1.8660 | 1.6972 | 1.0023 | 0.5108 | | |
| | 1.8426 | 1.8636 | 1.9520 | 2.2509 | 3.5248 | 6.8387 | | |
| 15 | 0.8471 | 0.7605 | 0.8056 | 0.6788 | F-SUB-Q | | | |
| | 3.7237 | 4.1785 | 4.0008 | 4.9854 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6316 | 1.4864 | 1.4761 | 1.4884 | 1.7775 | 1.7326 | 1.8421 | 0.8308 |
| | 2.2474 | 2.4521 | 2.3581 | 2.2778 | 1.9111 | 1.9693 | 1.8498 | 3.7088 |
| 9 | 1.4864 | 1.7355 | 1.7244 | 1.7124 | 1.5709 | 1.7200 | 1.8304 | 0.8257 |
| | 2.4521 | 2.0742 | 2.0199 | 1.9887 | 2.1679 | 1.9967 | 1.8720 | 3.7366 |
| 10 | 1.4761 | 1.7254 | 1.4451 | 1.4025 | 1.6309 | 1.6630 | 1.7974 | 0.7021 |
| | 2.3581 | 2.0188 | 2.4148 | 2.4810 | 2.1565 | 2.1370 | 1.9702 | 4.5380 |
| 11 | 1.4884 | 1.7134 | 1.4046 | 1.6512 | 1.3549 | 1.5357 | 1.6301 | 0.6490 |
| | 2.2778 | 1.9876 | 2.4773 | 2.2130 | 2.7493 | 2.4303 | 2.2841 | 5.0685 |
| 12 | 1.7775 | 1.5726 | 1.6363 | 1.3561 | 1.5750 | 1.7073 | 0.9824 | |
| | 1.9111 | 2.1656 | 2.1495 | 2.7447 | 2.4309 | 2.2308 | 3.5230 | |
| 13 | 1.7326 | 1.7237 | 1.6757 | 1.5523 | 1.7124 | 1.1249 | 0.5025 | |
| | 1.9693 | 1.9928 | 2.1227 | 2.4044 | 2.2242 | 3.1318 | 6.8456 | |
| 14 | 1.8421 | 1.8326 | 1.8154 | 1.6520 | 0.9906 | 0.5042 | | |
| | 1.8498 | 1.8699 | 1.9512 | 2.2526 | 3.4935 | 6.8218 | | |
| 15 | 0.8308 | 0.7522 | 0.7939 | 0.6705 | F-SUB-Q | | | |
| | 3.7088 | 4.1262 | 3.9587 | 4.9083 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6199 | 1.4644 | 1.4546 | 1.4668 | 1.7618 | 1.7128 | 1.8319 | 0.8059 |
| | 2.0446 | 2.2350 | 2.1674 | 2.1001 | 1.7544 | 1.8138 | 1.6944 | 3.4898 |
| 9 | 1.4644 | 1.7197 | 1.7047 | 1.7012 | 1.5489 | 1.7007 | 1.8204 | 0.8004 |
| | 2.2350 | 1.8907 | 1.8510 | 1.8190 | 2.0010 | 1.8375 | 1.7136 | 3.5284 |
| 10 | 1.4546 | 1.7057 | 1.4237 | 1.3806 | 1.6204 | 1.6459 | 1.7877 | 0.6752 |
| | 2.1674 | 1.8499 | 2.2187 | 2.2833 | 1.9696 | 1.9593 | 1.7974 | 4.2964 |
| 11 | 1.4668 | 1.7021 | 1.3828 | 1.6376 | 1.3369 | 1.5284 | 1.6216 | 0.6261 |
| | 2.1001 | 1.8180 | 2.2798 | 2.0125 | 2.5223 | 2.2002 | 2.0719 | 4.7629 |
| 12 | 1.7618 | 1.5508 | 1.6258 | 1.3381 | 1.5623 | 1.6993 | 0.9504 | |
| | 1.7544 | 1.9987 | 1.9631 | 2.5180 | 2.2208 | 2.0354 | 3.3179 | |
| 13 | 1.7128 | 1.7045 | 1.6585 | 1.5451 | 1.7044 | 1.0948 | 0.4850 | |
| | 1.8138 | 1.8337 | 1.9460 | 2.1768 | 2.0295 | 2.9201 | 6.4557 | |
| 14 | 1.8319 | 1.8228 | 1.8060 | 1.6436 | 0.9584 | 0.4866 | | |
| | 1.6944 | 1.7117 | 1.7802 | 2.0447 | 3.2892 | 6.4336 | | |
| 15 | 0.8059 | 0.7211 | 0.7681 | 0.6468 | F-SUB-Q | | | |
| | 3.4898 | 3.9281 | 3.7250 | 4.6130 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5795 | 1.4266 | 1.4177 | 1.4293 | 1.7183 | 1.6710 | 1.7881 | 0.7834 |
| | 1.9024 | 2.0973 | 2.0338 | 1.9794 | 1.6543 | 1.7112 | 1.5982 | 3.3132 |
| 9 | 1.4266 | 1.6767 | 1.6632 | 1.6595 | 1.5097 | 1.6594 | 1.7771 | 0.7782 |
| | 2.0973 | 1.7648 | 1.7352 | 1.7122 | 1.8866 | 1.7318 | 1.6151 | 3.3483 |
| 10 | 1.4177 | 1.6642 | 1.3876 | 1.3456 | 1.5815 | 1.6065 | 1.7457 | 0.6564 |
| | 2.0338 | 1.7341 | 2.0806 | 2.1432 | 1.8485 | 1.8381 | 1.6864 | 4.0652 |
| 11 | 1.4293 | 1.6604 | 1.3479 | 1.5986 | 1.3043 | 1.4928 | 1.5831 | 0.6088 |
| | 1.9794 | 1.7113 | 2.1398 | 1.8777 | 2.3528 | 2.0554 | 1.9306 | 4.4794 |
| 12 | 1.7183 | 1.5116 | 1.5868 | 1.3055 | 1.5274 | 1.6609 | 0.9254 | |
| | 1.6543 | 1.8844 | 1.8424 | 2.3489 | 2.0572 | 1.8869 | 3.0892 | |
| 13 | 1.6710 | 1.6631 | 1.6190 | 1.5088 | 1.6658 | 1.0675 | 0.4718 | |
| | 1.7112 | 1.7283 | 1.8256 | 2.0329 | 1.8813 | 2.7209 | 6.0323 | |
| 14 | 1.7881 | 1.7796 | 1.7639 | 1.6048 | 0.9332 | 0.4734 | | |
| | 1.5982 | 1.6133 | 1.6702 | 1.9046 | 3.0630 | 6.0113 | | |
| 15 | 0.7834 | 0.7009 | 0.7474 | 0.6290 | F-SUB-Q | | | |
| | 3.3132 | 3.7283 | 3.5213 | 4.3385 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5062 | 1.3712 | 1.3630 | 1.3737 | 1.6423 | 1.6040 | 1.7049 | 0.7629 |
| | 1.8541 | 1.9914 | 1.9555 | 1.9135 | 1.6104 | 1.6596 | 1.5610 | 3.1765 |
| 9 | 1.3712 | 1.6014 | 1.5965 | 1.5827 | 1.4517 | 1.5929 | 1.6945 | 0.7589 |
| | 1.9914 | 1.6960 | 1.6711 | 1.6678 | 1.8231 | 1.6779 | 1.5763 | 3.1948 |
| 10 | 1.3630 | 1.5976 | 1.3348 | 1.2959 | 1.5106 | 1.5426 | 1.6659 | 0.6456 |
| | 1.9555 | 1.6700 | 1.9987 | 2.0585 | 1.7914 | 1.7708 | 1.6363 | 3.8450 |
| 11 | 1.3737 | 1.5836 | 1.2980 | 1.5306 | 1.2567 | 1.4257 | 1.5099 | 0.5971 |
| | 1.9135 | 1.6669 | 2.0553 | 1.8073 | 2.2579 | 1.9750 | 1.8581 | 4.2194 |
| 12 | 1.6423 | 1.4533 | 1.5157 | 1.2579 | 1.4677 | 1.5874 | 0.9072 | |
| | 1.6104 | 1.8212 | 1.7856 | 2.2540 | 1.9715 | 1.8201 | 2.9206 | |
| 13 | 1.6040 | 1.5964 | 1.5545 | 1.4391 | 1.5921 | 1.0426 | 0.4636 | |
| | 1.6596 | 1.6744 | 1.7588 | 1.9536 | 1.8148 | 2.5641 | 5.6679 | |
| 14 | 1.7049 | 1.6968 | 1.6832 | 1.5306 | 0.9149 | 0.4652 | | |
| | 1.5610 | 1.5745 | 1.6206 | 1.8333 | 2.8962 | 5.6486 | | |
| 15 | 0.7629 | 0.6914 | 0.7316 | 0.6171 | F-SUB-Q | | | |
| | 3.1765 | 3.5282 | 3.3464 | 4.0862 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4678 | 1.3346 | 1.3252 | 1.3379 | 1.5935 | 1.5602 | 1.6547 | 0.7328 |
| | 1.7398 | 1.8994 | 1.8824 | 1.8475 | 1.5630 | 1.6074 | 1.5159 | 3.1245 |
| 9 | 1.3346 | 1.5511 | 1.5530 | 1.5417 | 1.4150 | 1.5501 | 1.6447 | 0.7279 |
| | 1.8994 | 1.6270 | 1.6083 | 1.6096 | 1.7605 | 1.6228 | 1.5295 | 3.1515 |
| 10 | 1.3252 | 1.5541 | 1.2986 | 1.2620 | 1.4749 | 1.5036 | 1.6164 | 0.6138 |
| | 1.8824 | 1.6072 | 1.9222 | 1.9806 | 1.7188 | 1.7006 | 1.5807 | 3.8078 |
| 11 | 1.3379 | 1.5426 | 1.2641 | 1.4909 | 1.2287 | 1.3902 | 1.4659 | 0.5693 |
| | 1.8475 | 1.6088 | 1.9775 | 1.7228 | 2.1294 | 1.8823 | 1.7828 | 4.1392 |
| 12 | 1.5935 | 1.4167 | 1.4799 | 1.2298 | 1.4305 | 1.5437 | 0.8674 | |
| | 1.5630 | 1.7584 | 1.7133 | 2.1258 | 1.8857 | 1.7464 | 2.8277 | |
| 13 | 1.5602 | 1.5534 | 1.5151 | 1.4000 | 1.5483 | 1.0003 | 0.4431 | |
| | 1.6074 | 1.6196 | 1.6892 | 1.8711 | 1.7411 | 2.5114 | 5.5609 | |
| 14 | 1.6547 | 1.6470 | 1.6336 | 1.4859 | 0.8747 | 0.4446 | | |
| | 1.5159 | 1.5278 | 1.5656 | 1.7589 | 2.8034 | 5.5412 | | |
| 15 | 0.7328 | 0.6567 | 0.6999 | 0.5882 | F-SUB-Q | | | |
| | 3.1245 | 3.5081 | 3.2932 | 4.0104 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3890 | 1.2657 | 1.2370 | 1.2692 | 1.4964 | 1.4579 | 1.5372 | 0.7008 |
| | 1.6430 | 1.8944 | 1.9158 | 1.8552 | 1.5761 | 1.6414 | 1.5571 | 3.1262 |
| 9 | 1.2657 | 1.4555 | 1.4496 | 1.4507 | 1.3381 | 1.4480 | 1.5277 | 0.6963 |
| | 1.8944 | 1.6275 | 1.6355 | 1.6053 | 1.7678 | 1.6563 | 1.5706 | 3.1498 |
| 10 | 1.2370 | 1.4506 | 1.2104 | 1.1995 | 1.3856 | 1.4109 | 1.5045 | 0.5830 |
| | 1.9158 | 1.6344 | 1.9585 | 1.9874 | 1.6814 | 1.7220 | 1.6140 | 3.8260 |
| 11 | 1.2692 | 1.4516 | 1.2015 | 1.4162 | 1.1715 | 1.3231 | 1.3785 | 0.5399 |
| | 1.8552 | 1.6041 | 1.9840 | 1.6904 | 2.0968 | 1.7909 | 1.7921 | 4.1447 |
| 12 | 1.4964 | 1.3392 | 1.3902 | 1.1735 | 1.3442 | 1.4423 | 0.8316 | |
| | 1.5761 | 1.7665 | 1.6779 | 2.0933 | 1.8727 | 1.7471 | 2.7776 | |
| 13 | 1.4579 | 1.4510 | 1.4215 | 1.3293 | 1.4466 | 0.9392 | 0.4171 | |
| | 1.6414 | 1.6532 | 1.7101 | 1.7808 | 1.7419 | 2.4957 | 5.5402 | |
| 14 | 1.5372 | 1.5295 | 1.5213 | 1.3964 | 0.8384 | 0.4185 | | |
| | 1.5571 | 1.5691 | 1.5989 | 1.7688 | 2.7545 | 5.5212 | | |
| 15 | 0.7008 | 0.6264 | 0.6668 | 0.5573 | F-SUB-Q | | | |
| | 3.1262 | 3.5188 | 3.2994 | 4.0203 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3941 | 1.0842 | 1.0097 | 1.0783 | 1.4483 | 1.1985 | 1.3926 | 0.6061 |
| | 1.6430 | 2.1097 | 2.2565 | 2.1058 | 1.5761 | 1.9265 | 1.6582 | 3.4995 |
| 9 | 1.0842 | 1.4028 | 1.2069 | 1.4191 | 1.1461 | 1.1897 | 1.3829 | 0.6063 |
| | 2.1097 | 1.6275 | 1.8901 | 1.6053 | 1.9899 | 1.9452 | 1.6737 | 3.5004 |
| 10 | 1.0097 | 1.2078 | 0.9843 | 1.0324 | 1.3740 | 1.1667 | 1.3409 | 0.5037 |
| | 2.2565 | 1.8887 | 2.3193 | 2.2193 | 1.6814 | 2.0046 | 1.7441 | 4.2825 |
| 11 | 1.0783 | 1.4201 | 1.0341 | 1.3830 | 1.0137 | 1.3234 | 1.2271 | 0.4643 |
| | 2.1058 | 1.6041 | 2.2157 | 1.6904 | 2.3127 | 1.7909 | 1.9364 | 4.6467 |
| 12 | 1.4483 | 1.1469 | 1.3782 | 1.0172 | 1.1188 | 1.2734 | 0.7362 | |
| | 1.5761 | 1.9885 | 1.6779 | 2.3082 | 2.1548 | 1.8948 | 3.0154 | |
| 13 | 1.1985 | 1.1920 | 1.1752 | 1.3309 | 1.2779 | 0.7898 | 0.3496 | |
| | 1.9265 | 1.9416 | 1.9906 | 1.7808 | 1.8883 | 2.8429 | 6.3470 | |
| 14 | 1.3926 | 1.3842 | 1.3548 | 1.2421 | 0.7421 | 0.3508 | | |
| | 1.6582 | 1.6723 | 1.7267 | 1.9131 | 2.9912 | 6.3254 | | |
| 15 | 0.6061 | 0.5444 | 0.5762 | 0.4778 | F-SUB-Q | | | |
| | 3.4995 | 3.9197 | 3.6904 | 4.5220 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5437 | 0.4630 | 0.4317 | 0.4684 | 0.5556 | 0.4685 | 0.4944 | 0.2522 |
| | 4.0556 | 4.7690 | 5.1068 | 4.7033 | 3.9703 | 4.7386 | 4.5202 | 8.1659 |
| 9 | 0.4630 | 0.5368 | 0.4711 | 0.5410 | 0.4831 | 0.4586 | 0.4906 | 0.2518 |
| | 4.7690 | 4.1043 | 4.6811 | 4.0744 | 4.5765 | 4.8797 | 4.5641 | 8.1726 |
| 10 | 0.4317 | 0.4714 | 0.4211 | 0.4524 | 0.5316 | 0.4557 | 0.4732 | 0.2273 |
| | 5.1068 | 4.6779 | 5.2501 | 4.9128 | 4.2130 | 4.9424 | 4.7781 | 9.2076 |
| 11 | 0.4684 | 0.5414 | 0.4531 | 0.5151 | 0.4440 | 0.5041 | 0.4365 | 0.1983 |
| | 4.7033 | 4.0712 | 4.9047 | 4.3767 | 5.1019 | 4.5349 | 5.2549 | *10.5501 |
| 12 | 0.5556 | 0.4835 | 0.5330 | 0.4452 | 0.4304 | 0.4533 | 0.3039 | |
| | 3.9703 | 4.5732 | 4.2026 | 5.0917 | 5.4091 | 5.1410 | 7.0548 | |
| 13 | 0.4685 | 0.4595 | 0.4579 | 0.5069 | 0.4550 | 0.3169 | 0.1526 | |
| | 4.7386 | 4.8707 | 4.9220 | 4.5098 | 5.1221 | 6.8482 | *14.0965 | |
| 14 | 0.4944 | 0.4912 | 0.4778 | 0.4416 | 0.3063 | 0.1531 | | |
| | 4.5202 | 4.5596 | 4.7329 | 5.1940 | 6.9974 | *14.0477 | | |
| 15 | 0.2522 | 0.2414 | 0.2402 | 0.2044 | F-SUB-Q | | | |
| | 8.1659 | 8.5828 | 8.5882 | *10.2460 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3536 | 0.4056 | 0.4353 | 0.4899 | 0.5789 | 0.4981 | 0.5120 | 0.2732 |
| | 4.6249 | 5.4187 | 5.7574 | 5.0997 | 4.3189 | 5.0508 | 4.9611 | 8.4876 |
| 9 | 0.4056 | 0.4965 | 0.4713 | 0.5563 | 0.5084 | 0.4865 | 0.5050 | 0.2721 |
| | 5.4187 | 4.7824 | 5.3422 | 4.4925 | 4.9132 | 5.1603 | 5.0246 | 8.5026 |
| 10 | 0.4353 | 0.4714 | 0.4243 | 0.4597 | 0.5307 | 0.4604 | 0.4688 | 0.2371 |
| | 5.7574 | 5.3403 | 5.9735 | 5.4380 | 4.6885 | 5.3985 | 5.3055 | 9.6926 |
| 11 | 0.4899 | 0.5566 | 0.4602 | 0.4802 | 0.4158 | 0.4521 | 0.4132 | 0.2010 |
| | 5.0997 | 4.4905 | 5.4322 | 4.8371 | 5.5162 | 4.9507 | 5.7551 | *11.1212 |
| 12 | 0.5789 | 0.5086 | 0.5314 | 0.4163 | 0.3144 | 0.3383 | 0.2577 | |
| | 4.3189 | 4.9108 | 4.6821 | 5.5094 | 5.5699 | 5.3959 | 7.3654 | |
| 13 | 0.4981 | 0.4868 | 0.4616 | 0.4541 | 0.3399 | 0.2068 | 0.1230 | |
| | 5.0508 | 5.1563 | 5.3838 | 4.9334 | 5.3829 | 6.8779 | *13.3706 | |
| 14 | 0.5120 | 0.5044 | 0.4714 | 0.4167 | 0.2596 | 0.1235 | | |
| | 4.9611 | 5.0304 | 5.2759 | 5.7127 | 7.3234 | *13.3383 | | |
| 15 | 0.2732 | 0.2548 | 0.2498 | 0.2063 | F-SUB-Q | | | |
| | 8.4876 | 9.1385 | 9.0680 | *10.8642 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.8757 | 0.9356 | 0.9907 | 1.1051 | 1.4296 | 1.2237 | 1.3578 | 0.6635 |
| | 1.9510 | 2.4331 | 2.6151 | 2.3387 | 1.8118 | 2.1260 | 1.9382 | 3.6173 |
| 9 | 0.9356 | 1.2530 | 1.1620 | 1.3841 | 1.1730 | 1.2022 | 1.3403 | 0.6584 |
| | 2.4331 | 1.9804 | 2.2359 | 1.8690 | 2.2045 | 2.1664 | 1.9468 | 3.6218 |
| 10 | 0.9907 | 1.1623 | 0.9689 | 1.0324 | 1.3130 | 1.1305 | 1.2520 | 0.5401 |
| | 2.6151 | 2.2354 | 2.6997 | 2.5006 | 1.9602 | 2.2796 | 2.0556 | 4.3911 |
| 11 | 1.1051 | 1.3846 | 1.0334 | 1.2345 | 0.9238 | 1.1344 | 1.0863 | 0.4789 |
| | 2.3387 | 1.8682 | 2.4982 | 1.9528 | 2.5204 | 2.0363 | 2.2302 | 4.8113 |
| 12 | 1.4296 | 1.1735 | 1.3154 | 0.9249 | 0.7654 | 0.8886 | 0.6316 | |
| | 1.8118 | 2.2035 | 1.9565 | 2.5175 | 2.2999 | 2.0919 | 3.1045 | |
| 13 | 1.2237 | 1.2023 | 1.1348 | 1.1394 | 0.8929 | 0.5166 | 0.2892 | |
| | 2.1260 | 2.1659 | 2.2708 | 2.0292 | 2.0873 | 2.8348 | 5.8801 | |
| 14 | 1.3578 | 1.3383 | 1.2596 | 1.0957 | 0.6364 | 0.2903 | | |
| | 1.9382 | 1.9494 | 2.0431 | 2.2120 | 3.0868 | 5.8662 | | |
| 15 | 0.6635 | 0.5895 | 0.6045 | 0.4905 | F-SUB-Q | | | |
| | 3.6173 | 4.0797 | 3.8676 | 4.7094 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0065 | 1.1490 | 1.2257 | 1.3367 | 1.5746 | 1.4969 | 1.5460 | 0.8024 |
| | 1.9155 | 2.0932 | 2.1716 | 1.9870 | 1.6887 | 1.7805 | 1.7251 | 3.0317 |
| 9 | 1.1490 | 1.3843 | 1.4148 | 1.5052 | 1.4103 | 1.4789 | 1.5220 | 0.7936 |
| | 2.0932 | 1.8689 | 1.8842 | 1.7652 | 1.8830 | 1.7990 | 1.7489 | 3.0561 |
| 10 | 1.2257 | 1.4150 | 1.2044 | 1.2382 | 1.3949 | 1.3913 | 1.4613 | 0.6596 |
| | 2.1716 | 1.8839 | 2.2138 | 2.1397 | 1.8991 | 1.9013 | 1.8076 | 3.6835 |
| 11 | 1.3367 | 1.5058 | 1.2394 | 1.3457 | 1.0964 | 1.2203 | 1.2723 | 0.5832 |
| | 1.9870 | 1.7645 | 2.1376 | 1.8434 | 2.1683 | 1.9931 | 1.9691 | 4.0628 |
| 12 | 1.5746 | 1.4110 | 1.3974 | 1.0982 | 0.9343 | 1.0258 | 0.7569 | |
| | 1.6887 | 1.8821 | 1.8957 | 2.1660 | 1.9363 | 1.8375 | 2.6655 | |
| 13 | 1.4969 | 1.4791 | 1.3969 | 1.2284 | 1.0313 | 0.6366 | 0.3596 | |
| | 1.7805 | 1.7986 | 1.8934 | 1.9871 | 1.8339 | 2.3884 | 4.8824 | |
| 14 | 1.5460 | 1.5210 | 1.4695 | 1.2853 | 0.7628 | 0.3610 | | |
| | 1.7251 | 1.7498 | 1.7972 | 1.9516 | 2.6496 | 4.8707 | | |
| 15 | 0.8024 | 0.7184 | 0.7328 | 0.5990 | F-SUB-Q | | | |
| | 3.0317 | 3.3981 | 3.2701 | 3.9654 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1610 | 1.2731 | 1.3569 | 1.4707 | 1.7716 | 1.6681 | 1.7509 | 0.8633 |
| | 1.7916 | 1.9841 | 2.0278 | 1.8663 | 1.5490 | 1.6449 | 1.5665 | 2.8971 |
| 9 | 1.2731 | 1.5640 | 1.5763 | 1.6874 | 1.5519 | 1.6490 | 1.7234 | 0.8515 |
| | 1.9841 | 1.7255 | 1.7473 | 1.6271 | 1.7672 | 1.6618 | 1.5900 | 2.9308 |
| 10 | 1.3569 | 1.5765 | 1.3343 | 1.3549 | 1.5622 | 1.5511 | 1.6581 | 0.7080 |
| | 2.0278 | 1.7471 | 2.0627 | 2.0211 | 1.7527 | 1.7603 | 1.6435 | 3.5414 |
| 11 | 1.4707 | 1.6882 | 1.3563 | 1.5067 | 1.1975 | 1.3723 | 1.4374 | 0.6280 |
| | 1.8663 | 1.6264 | 2.0190 | 1.7084 | 2.0505 | 1.8496 | 1.8087 | 3.9135 |
| 12 | 1.7716 | 1.5529 | 1.5652 | 1.1995 | 1.0407 | 1.1660 | 0.8175 | |
| | 1.5490 | 1.7661 | 1.7492 | 2.0492 | 1.8053 | 1.6847 | 2.5684 | |
| 13 | 1.6681 | 1.6494 | 1.5577 | 1.3821 | 1.1713 | 0.7058 | 0.3885 | |
| | 1.6449 | 1.6612 | 1.7527 | 1.8444 | 1.6812 | 2.2691 | 4.7193 | |
| 14 | 1.7509 | 1.7225 | 1.6679 | 1.4526 | 0.8241 | 0.3900 | | |
| | 1.5665 | 1.5906 | 1.6336 | 1.7919 | 2.5524 | 4.7076 | | |
| 15 | 0.8633 | 0.7662 | 0.7881 | 0.6454 | F-SUB-Q | | | |
| | 2.8971 | 3.2777 | 3.1372 | 3.8171 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2417 | 1.3314 | 1.4145 | 1.5357 | 1.8745 | 1.7495 | 1.8566 | 0.9016 |
| | 1.7805 | 1.9975 | 2.0332 | 1.8665 | 1.5263 | 1.6320 | 1.5368 | 2.8875 |
| 9 | 1.3314 | 1.6572 | 1.6511 | 1.7852 | 1.6211 | 1.7290 | 1.8270 | 0.8912 |
| | 1.9975 | 1.7127 | 1.7425 | 1.6058 | 1.7660 | 1.6499 | 1.5608 | 2.9155 |
| 10 | 1.4145 | 1.6513 | 1.3889 | 1.4145 | 1.6471 | 1.6285 | 1.7639 | 0.7436 |
| | 2.0332 | 1.7422 | 2.0708 | 2.0232 | 1.7355 | 1.7481 | 1.6101 | 3.5166 |
| 11 | 1.5357 | 1.7860 | 1.4160 | 1.5929 | 1.2529 | 1.4603 | 1.5328 | 0.6592 |
| | 1.8665 | 1.6050 | 2.0209 | 1.6949 | 2.0618 | 1.8305 | 1.7770 | 3.9064 |
| 12 | 1.8745 | 1.6219 | 1.6504 | 1.2550 | 1.0988 | 1.2506 | 0.8652 | |
| | 1.5263 | 1.7648 | 1.7319 | 2.0604 | 1.8039 | 1.6630 | 2.5567 | |
| 13 | 1.7495 | 1.7297 | 1.6358 | 1.4718 | 1.2563 | 0.7514 | 0.4076 | |
| | 1.6320 | 1.6491 | 1.7402 | 1.8232 | 1.6595 | 2.2687 | 4.7587 | |
| 14 | 1.8566 | 1.8263 | 1.7747 | 1.5492 | 0.8723 | 0.4092 | | |
| | 1.5368 | 1.5612 | 1.6000 | 1.7601 | 2.5404 | 4.7466 | | |
| 15 | 0.9016 | 0.8036 | 0.8261 | 0.6774 | F-SUB-Q | | | |
| | 2.8875 | 3.2541 | 3.1213 | 3.8083 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2824 | 1.3634 | 1.4440 | 1.5706 | 1.9285 | 1.7936 | 1.9140 | 0.9274 |
| | 1.8311 | 2.0659 | 2.1077 | 1.9296 | 1.5656 | 1.6769 | 1.5699 | 2.9578 |
| 9 | 1.3634 | 1.7053 | 1.6900 | 1.8374 | 1.6595 | 1.7728 | 1.8837 | 0.9185 |
| | 2.0659 | 1.7460 | 1.7999 | 1.6495 | 1.8233 | 1.6958 | 1.5948 | 2.9812 |
| 10 | 1.4440 | 1.6903 | 1.4165 | 1.4486 | 1.6936 | 1.6737 | 1.8254 | 0.7703 |
| | 2.1077 | 1.7996 | 2.1443 | 2.0892 | 1.7837 | 1.7953 | 1.6413 | 3.5829 |
| 11 | 1.5706 | 1.8383 | 1.4503 | 1.6418 | 1.2880 | 1.5154 | 1.5922 | 0.6833 |
| | 1.9295 | 1.6487 | 2.0867 | 1.7396 | 2.1333 | 1.8678 | 1.8043 | 3.9550 |
| 12 | 1.9285 | 1.6604 | 1.6971 | 1.2903 | 1.1349 | 1.3050 | 0.9021 | |
| | 1.5656 | 1.8222 | 1.7799 | 2.1309 | 1.8644 | 1.7078 | 2.6164 | |
| 13 | 1.7936 | 1.7737 | 1.6815 | 1.5275 | 1.3110 | 0.7841 | 0.4232 | |
| | 1.6769 | 1.6948 | 1.7864 | 1.8585 | 1.7040 | 2.3379 | 4.9209 | |
| 14 | 1.9140 | 1.8833 | 1.8371 | 1.6095 | 0.9095 | 0.4249 | | |
| | 1.5699 | 1.5951 | 1.6306 | 1.7867 | 2.5992 | 4.9081 | | |
| 15 | 0.9274 | 0.8316 | 0.8540 | 0.7022 | F-SUB-Q | | | |
| | 2.9578 | 3.3146 | 3.1866 | 3.8553 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3251 | 1.3922 | 1.4726 | 1.6039 | 1.9828 | 1.8374 | 1.9733 | 0.9420 |
| | 1.8851 | 2.1373 | 2.2007 | 2.0207 | 1.6257 | 1.7450 | 1.6231 | 3.1023 |
| 9 | 1.3922 | 1.7550 | 1.7291 | 1.8902 | 1.6954 | 1.8169 | 1.9427 | 0.9326 |
| | 2.1373 | 1.7963 | 1.8725 | 1.7145 | 1.9070 | 1.7646 | 1.6489 | 3.1284 |
| 10 | 1.4726 | 1.7295 | 1.4444 | 1.4809 | 1.7444 | 1.7206 | 1.8897 | 0.7818 |
| | 2.2007 | 1.8721 | 2.2376 | 2.1740 | 1.8404 | 1.8513 | 1.6832 | 3.7661 |
| 11 | 1.6039 | 1.8911 | 1.4827 | 1.6943 | 1.3236 | 1.5750 | 1.6546 | 0.6963 |
| | 2.0207 | 1.7136 | 2.1713 | 1.7928 | 2.2111 | 1.9121 | 1.8369 | 4.1060 |
| 12 | 1.9828 | 1.6963 | 1.7482 | 1.3260 | 1.1698 | 1.3654 | 0.9281 | |
| | 1.6257 | 1.9056 | 1.8363 | 2.2081 | 1.9357 | 1.7624 | 2.7358 | |
| 13 | 1.8374 | 1.8181 | 1.7290 | 1.5878 | 1.3717 | 0.8108 | 0.4344 | |
| | 1.7450 | 1.7633 | 1.8413 | 1.9022 | 1.7583 | 2.4553 | 5.2000 | |
| 14 | 1.9733 | 1.9425 | 1.9021 | 1.6737 | 0.9357 | 0.4361 | | |
| | 1.6231 | 1.6489 | 1.6718 | 1.8183 | 2.7176 | 5.1860 | | |
| 15 | 0.9420 | 0.8431 | 0.8690 | 0.7155 | F-SUB-Q | | | |
| | 3.1023 | 3.4840 | 3.3404 | 4.0027 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3611 | 1.4159 | 1.4903 | 1.6229 | 2.0128 | 1.8624 | 2.0079 | 0.9519 |
| | 1.9961 | 2.2743 | 2.3383 | 2.1575 | 1.7251 | 1.8488 | 1.7123 | 3.2921 |
| 9 | 1.4159 | 1.7876 | 1.7536 | 1.9206 | 1.7163 | 1.8431 | 1.9777 | 0.9430 |
| | 2.2743 | 1.9060 | 1.9878 | 1.8208 | 2.0319 | 1.8697 | 1.7399 | 3.3192 |
| 10 | 1.4903 | 1.7540 | 1.4620 | 1.5023 | 1.7763 | 1.7526 | 1.9321 | 0.7923 |
| | 2.3383 | 1.9873 | 2.3761 | 2.3038 | 1.9370 | 1.9486 | 1.7680 | 3.9989 |
| 11 | 1.6229 | 1.9216 | 1.5042 | 1.7320 | 1.3532 | 1.6195 | 1.7024 | 0.7089 |
| | 2.1575 | 1.8199 | 2.3009 | 1.8877 | 2.3369 | 2.0048 | 1.9231 | 4.3194 |
| 12 | 2.0128 | 1.7172 | 1.7803 | 1.3557 | 1.2054 | 1.4211 | 0.9564 | |
| | 1.7251 | 2.0303 | 1.9327 | 2.3305 | 2.0441 | 1.8531 | 2.8765 | |
| 13 | 1.8624 | 1.8445 | 1.7622 | 1.6328 | 1.4276 | 0.8440 | 0.4490 | |
| | 1.8488 | 1.8682 | 1.9379 | 1.9942 | 1.8485 | 2.6081 | 5.5349 | |
| 14 | 2.0079 | 1.9778 | 1.9453 | 1.7225 | 0.9642 | 0.4507 | | |
| | 1.7123 | 1.7398 | 1.7558 | 1.9035 | 2.8568 | 5.5192 | | |
| 15 | 0.9519 | 0.8526 | 0.8817 | 0.7285 | F-SUB-Q | | | |
| | 3.2921 | 3.6962 | 3.5425 | 4.2088 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4184 | 1.4494 | 1.5104 | 1.6409 | 2.0427 | 1.8854 | 2.0409 | 0.9576 |
| | 2.1688 | 2.4724 | 2.5243 | 2.2989 | 1.8264 | 1.9570 | 1.8049 | 3.4935 |
| 9 | 1.4494 | 1.8284 | 1.7807 | 1.9520 | 1.7361 | 1.8676 | 2.0117 | 0.9477 |
| | 2.4724 | 2.0382 | 2.1412 | 1.9377 | 2.1598 | 1.9790 | 1.8340 | 3.5268 |
| 10 | 1.5104 | 1.7812 | 1.4825 | 1.5247 | 1.8112 | 1.7859 | 1.9752 | 0.7983 |
| | 2.5243 | 2.1406 | 2.5639 | 2.4785 | 2.0684 | 2.0812 | 1.8801 | 4.2492 |
| 11 | 1.6409 | 1.9530 | 1.5267 | 1.7788 | 1.3913 | 1.6696 | 1.7549 | 0.7191 |
| | 2.2990 | 1.9366 | 2.4752 | 2.0281 | 2.5191 | 2.1444 | 2.0409 | 4.6289 |
| 12 | 2.0427 | 1.7370 | 1.8154 | 1.3939 | 1.2599 | 1.5018 | 0.9874 | |
| | 1.8264 | 2.1581 | 2.0621 | 2.5121 | 2.2018 | 1.9831 | 3.1061 | |
| 13 | 1.8854 | 1.8692 | 1.7959 | 1.6834 | 1.5086 | 0.8958 | 0.4687 | |
| | 1.9570 | 1.9771 | 2.0696 | 2.1280 | 1.9782 | 2.8180 | 5.9829 | |
| 14 | 2.0409 | 2.0120 | 1.9890 | 1.7757 | 0.9953 | 0.4704 | | |
| | 1.8049 | 1.8336 | 1.8666 | 2.0194 | 3.0847 | 5.9660 | | |
| 15 | 0.9576 | 0.8566 | 0.8903 | 0.7389 | F-SUB-Q | | | |
| | 3.4935 | 3.9283 | 3.7564 | 4.5108 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5248 | 1.4759 | 1.5099 | 1.6326 | 2.0258 | 1.8739 | 2.0246 | 0.9630 |
| | 2.4111 | 2.7371 | 2.7823 | 2.5000 | 1.9889 | 2.1275 | 1.9671 | 3.7488 |
| 9 | 1.4759 | 1.8361 | 1.7785 | 1.9396 | 1.7285 | 1.8580 | 1.9978 | 0.9573 |
| | 2.7371 | 2.2720 | 2.3603 | 2.1151 | 2.3445 | 2.1494 | 1.9961 | 3.7666 |
| 10 | 1.5099 | 1.7791 | 1.4820 | 1.5263 | 1.8076 | 1.7886 | 1.9733 | 0.8138 |
| | 2.7823 | 2.3594 | 2.8509 | 2.7159 | 2.2645 | 2.2610 | 2.0360 | 4.4889 |
| 11 | 1.6326 | 1.9407 | 1.5284 | 1.7939 | 1.4213 | 1.6872 | 1.7717 | 0.7367 |
| | 2.5000 | 2.1138 | 2.7119 | 2.2392 | 2.7706 | 2.3556 | 2.2428 | 4.9735 |
| 12 | 2.0258 | 1.7295 | 1.8119 | 1.4239 | 1.3736 | 1.5885 | 1.0362 | |
| | 1.9889 | 2.3425 | 2.2586 | 2.7626 | 2.4554 | 2.2105 | 3.3671 | |
| 13 | 1.8739 | 1.8598 | 1.7988 | 1.7002 | 1.5953 | 0.9966 | 0.5004 | |
| | 2.1275 | 2.1469 | 2.2471 | 2.3417 | 2.2049 | 3.0952 | 6.5304 | |
| 14 | 2.0246 | 1.9983 | 1.9874 | 1.7927 | 1.0443 | 0.5021 | | |
| | 1.9671 | 1.9953 | 2.0205 | 2.2192 | 3.3432 | 6.5119 | | |
| 15 | 0.9630 | 0.8705 | 0.9040 | 0.7567 | F-SUB-Q | | | |
| | 3.7488 | 4.1690 | 3.9828 | 4.8405 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6998 | 1.5294 | 1.5328 | 1.6499 | 2.0588 | 1.8964 | 2.0617 | 0.9587 |
| | 2.6432 | 3.0182 | 2.9774 | 2.6726 | 2.1045 | 2.2471 | 2.0612 | 3.9989 |
| 9 | 1.5294 | 1.8922 | 1.8097 | 1.9755 | 1.7467 | 1.8825 | 2.0364 | 0.9508 |
| | 3.0182 | 2.5088 | 2.5159 | 2.2437 | 2.4999 | 2.2722 | 2.0941 | 4.0320 |
| 10 | 1.5328 | 1.8103 | 1.5049 | 1.5491 | 1.8518 | 1.8249 | 2.0229 | 0.8071 |
| | 2.9774 | 2.5149 | 3.0467 | 2.9051 | 2.3977 | 2.3971 | 2.1429 | 4.8521 |
| 11 | 1.6499 | 1.9766 | 1.5512 | 1.8576 | 1.4754 | 1.7520 | 1.8378 | 0.7372 |
| | 2.6726 | 2.2423 | 2.9008 | 2.4553 | 3.0519 | 2.5693 | 2.4410 | 5.3795 |
| 12 | 2.0588 | 1.7477 | 1.8563 | 1.4793 | 1.5467 | 1.7590 | 1.0691 | |
| | 2.1045 | 2.4978 | 2.3912 | 3.0432 | 2.6800 | 2.3978 | 3.7459 | |
| 13 | 1.8964 | 1.8845 | 1.8355 | 1.7657 | 1.7649 | 1.1056 | 0.5239 | |
| | 2.2471 | 2.2697 | 2.3826 | 2.5514 | 2.3916 | 3.4392 | 7.2860 | |
| 14 | 2.0617 | 2.0379 | 2.0376 | 1.8581 | 1.0772 | 0.5256 | | |
| | 2.0612 | 2.0933 | 2.1269 | 2.4154 | 3.7194 | 7.2648 | | |
| 15 | 0.9587 | 0.8608 | 0.9013 | 0.7573 | F-SUB-Q | | | |
| | 3.9989 | 4.4839 | 4.2841 | 5.2342 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7811 | 1.5647 | 1.5346 | 1.6452 | 2.0552 | 1.8913 | 2.0605 | 0.9539 |
| | 2.6725 | 3.0506 | 3.1171 | 2.8161 | 2.2438 | 2.4222 | 2.2158 | 4.3031 |
| 9 | 1.5647 | 1.9094 | 1.8131 | 1.9756 | 1.7421 | 1.8793 | 2.0377 | 0.9473 |
| | 3.0506 | 2.5237 | 2.6435 | 2.3696 | 2.6597 | 2.4489 | 2.2508 | 4.3341 |
| 10 | 1.5346 | 1.8139 | 1.5069 | 1.5517 | 1.8613 | 1.8329 | 2.0342 | 0.8071 |
| | 3.1171 | 2.6424 | 3.1994 | 3.0810 | 2.5736 | 2.5804 | 2.2999 | 5.2103 |
| 11 | 1.6452 | 1.9768 | 1.5540 | 1.8920 | 1.5047 | 1.7807 | 1.8672 | 0.7413 |
| | 2.8161 | 2.3681 | 3.0763 | 2.5375 | 3.1831 | 2.7015 | 2.5884 | 5.7884 |
| 12 | 2.0552 | 1.7431 | 1.8658 | 1.5085 | 1.6573 | 1.8546 | 1.0990 | |
| | 2.2438 | 2.6580 | 2.5668 | 3.1753 | 2.8541 | 2.5542 | 3.9973 | |
| 13 | 1.8913 | 1.8815 | 1.8437 | 1.7947 | 1.8606 | 1.1771 | 0.5443 | |
| | 2.4222 | 2.4460 | 2.5646 | 2.6860 | 2.5472 | 3.6884 | 7.8868 | |
| 14 | 2.0605 | 2.0400 | 2.0493 | 1.8879 | 1.1072 | 0.5460 | | |
| | 2.2158 | 2.2497 | 2.2824 | 2.5605 | 3.9677 | 7.8623 | | |
| 15 | 0.9539 | 0.8579 | 0.9015 | 0.7615 | F-SUB-Q | | | |
| | 4.3031 | 4.8184 | 4.5996 | 5.6327 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7813 | 1.5609 | 1.5142 | 1.6187 | 2.0172 | 1.8608 | 2.0245 | 0.9469 |
| | 2.7105 | 3.0871 | 3.0335 | 2.7435 | 2.1898 | 2.3661 | 2.1747 | 4.2213 |
| 9 | 1.5609 | 1.8861 | 1.7884 | 1.9413 | 1.7150 | 1.8503 | 2.0045 | 0.9431 |
| | 3.0871 | 2.5588 | 2.5737 | 2.3133 | 2.5906 | 2.3979 | 2.2137 | 4.2443 |
| 10 | 1.5142 | 1.7893 | 1.4870 | 1.5329 | 1.8359 | 1.8129 | 2.0090 | 0.8099 |
| | 3.0335 | 2.5725 | 3.1155 | 2.9995 | 2.5139 | 2.5488 | 2.2868 | 5.1130 |
| 11 | 1.6187 | 1.9425 | 1.5352 | 1.8807 | 1.5016 | 1.7729 | 1.8573 | 0.7465 |
| | 2.7435 | 2.3118 | 2.9948 | 2.5702 | 3.2180 | 2.7328 | 2.6152 | 5.7594 |
| 12 | 2.0172 | 1.7160 | 1.8415 | 1.5063 | 1.6796 | 1.8739 | 1.1183 | |
| | 2.1898 | 2.5889 | 2.5072 | 3.2083 | 2.8868 | 2.5854 | 3.9840 | |
| 13 | 1.8608 | 1.8526 | 1.8239 | 1.7847 | 1.8791 | 1.2091 | 0.5576 | |
| | 2.3661 | 2.3949 | 2.5330 | 2.7168 | 2.5782 | 3.6920 | 7.8771 | |
| 14 | 2.0245 | 2.0070 | 2.0257 | 1.8779 | 1.1266 | 0.5593 | | |
| | 2.1747 | 2.2124 | 2.2693 | 2.5865 | 3.9542 | 7.8521 | | |
| 15 | 0.9469 | 0.8588 | 0.9019 | 0.7668 | F-SUB-Q | | | |
| | 4.2213 | 4.6906 | 4.5304 | 5.6052 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7933 | 1.5604 | 1.5061 | 1.6090 | 2.0171 | 1.8549 | 2.0307 | 0.9289 |
| | 2.5801 | 2.9438 | 2.9356 | 2.6559 | 2.1075 | 2.2829 | 2.0852 | 4.1305 |
| 9 | 1.5604 | 1.8915 | 1.7844 | 1.9424 | 1.7048 | 1.8457 | 2.0124 | 0.9227 |
| | 2.9438 | 2.4268 | 2.4833 | 2.2260 | 2.5081 | 2.3134 | 2.1226 | 4.1654 |
| 10 | 1.5061 | 1.7853 | 1.4795 | 1.5258 | 1.8427 | 1.8151 | 2.0225 | 0.7903 |
| | 2.9356 | 2.4820 | 3.0137 | 2.9049 | 2.4165 | 2.4557 | 2.1910 | 5.0405 |
| 11 | 1.6090 | 1.9436 | 1.5281 | 1.8937 | 1.5053 | 1.7906 | 1.8780 | 0.7317 |
| | 2.6559 | 2.2245 | 2.9002 | 2.4380 | 3.0675 | 2.5886 | 2.4710 | 5.6673 |
| 12 | 2.0171 | 1.7058 | 1.8485 | 1.5100 | 1.7011 | 1.9067 | 1.1071 | |
| | 2.1075 | 2.5065 | 2.4100 | 3.0578 | 2.7592 | 2.4528 | 3.8422 | |
| 13 | 1.8549 | 1.8482 | 1.8263 | 1.8029 | 1.9120 | 1.2073 | 0.5519 | |
| | 2.2829 | 2.3103 | 2.4401 | 2.5719 | 2.4455 | 3.5567 | 7.5708 | |
| 14 | 2.0307 | 2.0152 | 2.0412 | 1.8990 | 1.1153 | 0.5537 | | |
| | 2.0852 | 2.1212 | 2.1739 | 2.4447 | 3.8140 | 7.5477 | | |
| 15 | 0.9289 | 0.8371 | 0.8847 | 0.7518 | F-SUB-Q | | | |
| | 4.1305 | 4.6204 | 4.4437 | 5.5145 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7695 | 1.5358 | 1.4794 | 1.5803 | 1.9861 | 1.8258 | 2.0049 | 0.9091 |
| | 2.3895 | 2.7333 | 2.7226 | 2.4748 | 1.9671 | 2.1373 | 1.9455 | 3.8620 |
| 9 | 1.5358 | 1.8640 | 1.7556 | 1.9128 | 1.6746 | 1.8173 | 1.9880 | 0.9037 |
| | 2.7333 | 2.2514 | 2.3025 | 2.0683 | 2.3406 | 2.1633 | 1.9785 | 3.8960 |
| 10 | 1.4794 | 1.7565 | 1.4531 | 1.5000 | 1.8184 | 1.7915 | 2.0032 | 0.7737 |
| | 2.7226 | 2.3012 | 2.7916 | 2.6956 | 2.2430 | 2.2840 | 2.0335 | 4.7000 |
| 11 | 1.5803 | 1.9140 | 1.5024 | 1.8722 | 1.4859 | 1.7745 | 1.8642 | 0.7183 |
| | 2.4748 | 2.0670 | 2.6914 | 2.2586 | 2.8465 | 2.3949 | 2.2835 | 5.2483 |
| 12 | 1.9861 | 1.6757 | 1.8243 | 1.4906 | 1.6880 | 1.8973 | 1.0917 | |
| | 1.9671 | 2.3392 | 2.2371 | 2.8378 | 2.5524 | 2.2636 | 3.5752 | |
| 13 | 1.8258 | 1.8209 | 1.8028 | 1.7878 | 1.9027 | 1.1940 | 0.5434 | |
| | 2.1373 | 2.1604 | 2.2699 | 2.3786 | 2.2566 | 3.3083 | 7.0789 | |
| 14 | 2.0048 | 1.9910 | 2.0220 | 1.8854 | 1.0998 | 0.5451 | | |
| | 1.9455 | 1.9772 | 2.0180 | 2.2588 | 3.5488 | 7.0569 | | |
| 15 | 0.9091 | 0.8166 | 0.8676 | 0.7381 | F-SUB-Q | | | |
| | 3.8620 | 4.3320 | 4.1371 | 5.1085 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7261 | 1.4969 | 1.4414 | 1.5392 | 1.9367 | 1.7814 | 1.9584 | 0.8874 |
| | 2.2383 | 2.5592 | 2.5154 | 2.2910 | 1.8202 | 1.9791 | 1.7997 | 3.5816 |
| 9 | 1.4969 | 1.8179 | 1.7123 | 1.8649 | 1.6317 | 1.7735 | 1.9427 | 0.8828 |
| | 2.5592 | 2.0895 | 2.1248 | 1.9119 | 2.1665 | 2.0026 | 1.8295 | 3.6051 |
| 10 | 1.4414 | 1.7132 | 1.4157 | 1.4618 | 1.7756 | 1.7509 | 1.9608 | 0.7578 |
| | 2.5154 | 2.1236 | 2.5789 | 2.4921 | 2.0737 | 2.1093 | 1.8760 | 4.3405 |
| 11 | 1.5392 | 1.8662 | 1.4642 | 1.8306 | 1.4517 | 1.7369 | 1.8267 | 0.7036 |
| | 2.2910 | 1.9106 | 2.4880 | 2.1151 | 2.6707 | 2.2438 | 2.1357 | 4.8417 |
| 12 | 1.9367 | 1.6328 | 1.7814 | 1.4563 | 1.6543 | 1.8617 | 1.0726 | |
| | 1.8202 | 2.1652 | 2.0682 | 2.6623 | 2.4019 | 2.1279 | 3.3514 | |
| 13 | 1.7814 | 1.7783 | 1.7622 | 1.7506 | 1.8670 | 1.1728 | 0.5333 | |
| | 1.9791 | 1.9997 | 2.0960 | 2.2258 | 2.1213 | 3.1083 | 6.6698 | |
| 14 | 1.9584 | 1.9459 | 1.9796 | 1.8477 | 1.0807 | 0.5349 | | |
| | 1.7997 | 1.8281 | 1.8612 | 2.1121 | 3.3260 | 6.6488 | | |
| 15 | 0.8874 | 0.8015 | 0.8496 | 0.7231 | F-SUB-Q | | | |
| | 3.5816 | 3.9950 | 3.8218 | 4.7118 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6609 | 1.4436 | 1.3907 | 1.4844 | 1.8641 | 1.7194 | 1.8869 | 0.8639 |
| | 2.2830 | 2.6042 | 2.5531 | 2.3307 | 1.8573 | 2.0160 | 1.8364 | 3.6251 |
| 9 | 1.4436 | 1.7494 | 1.6515 | 1.7941 | 1.5745 | 1.7117 | 1.8723 | 0.8617 |
| | 2.6042 | 2.1216 | 2.1565 | 1.9484 | 2.2038 | 2.0392 | 1.8659 | 3.6388 |
| 10 | 1.3907 | 1.6525 | 1.3654 | 1.4105 | 1.7100 | 1.6914 | 1.8924 | 0.7435 |
| | 2.5531 | 2.1552 | 2.6170 | 2.5295 | 2.1139 | 2.1420 | 1.9077 | 4.3533 |
| 11 | 1.4844 | 1.7954 | 1.4128 | 1.7645 | 1.4026 | 1.6757 | 1.7640 | 0.6901 |
| | 2.3307 | 1.9470 | 2.5253 | 2.1588 | 2.7205 | 2.2898 | 2.1698 | 4.8452 |
| 12 | 1.8641 | 1.5755 | 1.7158 | 1.4072 | 1.5998 | 1.7990 | 1.0515 | |
| | 1.8573 | 2.2024 | 2.1081 | 2.7118 | 2.4477 | 2.1708 | 3.3717 | |
| 13 | 1.7194 | 1.7172 | 1.7025 | 1.6892 | 1.8042 | 1.1470 | 0.5223 | |
| | 2.0160 | 2.0361 | 2.1283 | 2.2708 | 2.1637 | 3.1411 | 6.7398 | |
| 14 | 1.8869 | 1.8757 | 1.9108 | 1.7845 | 1.0595 | 0.5239 | | |
| | 1.8364 | 1.8643 | 1.8923 | 2.1419 | 3.3459 | 6.7179 | | |
| 15 | 0.8639 | 0.7858 | 0.8311 | 0.7092 | F-SUB-Q | | | |
| | 3.6251 | 4.0149 | 3.8441 | 4.7157 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6273 | 1.4065 | 1.3546 | 1.4463 | 1.8280 | 1.6805 | 1.8560 | 0.8289 |
| | 2.1247 | 2.4300 | 2.3925 | 2.1899 | 1.7358 | 1.8927 | 1.7136 | 3.4746 |
| 9 | 1.4065 | 1.7156 | 1.6138 | 1.7590 | 1.5337 | 1.6733 | 1.8419 | 0.8252 |
| | 2.4300 | 1.9679 | 2.0140 | 1.8180 | 2.0717 | 1.9131 | 1.7401 | 3.5007 |
| 10 | 1.3546 | 1.6149 | 1.3299 | 1.3735 | 1.6767 | 1.6548 | 1.8624 | 0.7074 |
| | 2.3925 | 2.0127 | 2.4507 | 2.3741 | 1.9690 | 2.0017 | 1.7738 | 4.1984 |
| 11 | 1.4463 | 1.7602 | 1.3758 | 1.7314 | 1.3674 | 1.6471 | 1.7362 | 0.6578 |
| | 2.1899 | 1.8167 | 2.3701 | 1.9962 | 2.5380 | 2.1102 | 2.0038 | 4.6470 |
| 12 | 1.8280 | 1.5348 | 1.6824 | 1.3719 | 1.5671 | 1.7709 | 1.0061 | |
| | 1.7358 | 2.0704 | 1.9636 | 2.5296 | 2.2775 | 2.0164 | 3.2253 | |
| 13 | 1.6805 | 1.6795 | 1.6659 | 1.6611 | 1.7761 | 1.1037 | 0.4983 | |
| | 1.8927 | 1.9101 | 1.9887 | 2.0926 | 2.0106 | 2.9815 | 6.4723 | |
| 14 | 1.8560 | 1.8455 | 1.8809 | 1.7565 | 1.0138 | 0.4998 | | |
| | 1.7136 | 1.7385 | 1.7592 | 1.9808 | 3.1997 | 6.4515 | | |
| 15 | 0.8289 | 0.7460 | 0.7953 | 0.6762 | F-SUB-Q | | | |
| | 3.4746 | 3.8887 | 3.6860 | 4.5217 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5618 | 1.3503 | 1.3014 | 1.3884 | 1.7555 | 1.6158 | 1.7853 | 0.7941 |
| | 2.0051 | 2.3067 | 2.2920 | 2.1082 | 1.6722 | 1.8237 | 1.6509 | 3.3690 |
| 9 | 1.3503 | 1.6480 | 1.5519 | 1.6887 | 1.4726 | 1.6091 | 1.7720 | 0.7907 |
| | 2.3067 | 1.8713 | 1.9272 | 1.7481 | 1.9947 | 1.8418 | 1.6749 | 3.3929 |
| 10 | 1.3014 | 1.5529 | 1.2777 | 1.3183 | 1.6101 | 1.5914 | 1.7917 | 0.6775 |
| | 2.2920 | 1.9259 | 2.3455 | 2.2777 | 1.8891 | 1.9187 | 1.7011 | 4.0592 |
| 11 | 1.3884 | 1.6899 | 1.3206 | 1.6640 | 1.3129 | 1.5828 | 1.6693 | 0.6300 |
| | 2.1082 | 1.7469 | 2.2738 | 1.9048 | 2.4193 | 2.0141 | 1.9091 | 4.4699 |
| 12 | 1.7555 | 1.4736 | 1.6156 | 1.3172 | 1.5082 | 1.7045 | 0.9649 | |
| | 1.6722 | 1.9934 | 1.8838 | 2.4114 | 2.1516 | 1.9067 | 3.0680 | |
| 13 | 1.6158 | 1.6153 | 1.6021 | 1.5964 | 1.7095 | 1.0605 | 0.4775 | |
| | 1.8237 | 1.8388 | 1.9061 | 1.9959 | 1.9011 | 2.8324 | 6.1676 | |
| 14 | 1.7853 | 1.7754 | 1.8097 | 1.6891 | 0.9722 | 0.4790 | | |
| | 1.6509 | 1.6733 | 1.6869 | 1.8850 | 3.0441 | 6.1474 | | |
| 15 | 0.7941 | 0.7145 | 0.7625 | 0.6478 | F-SUB-Q | | | |
| | 3.3690 | 3.7699 | 3.5602 | 4.3490 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4607 | 1.2732 | 1.2295 | 1.3088 | 1.6423 | 1.5228 | 1.6693 | 0.7584 |
| | 1.9954 | 2.2753 | 2.2529 | 2.0883 | 1.6712 | 1.8113 | 1.6531 | 3.3107 |
| 9 | 1.2732 | 1.5424 | 1.4632 | 1.5790 | 1.3889 | 1.5163 | 1.6574 | 0.7570 |
| | 2.2753 | 1.8398 | 1.8991 | 1.7436 | 1.9752 | 1.8276 | 1.6749 | 3.3182 |
| 10 | 1.2295 | 1.4642 | 1.2074 | 1.2436 | 1.5070 | 1.4987 | 1.6752 | 0.6531 |
| | 2.2529 | 1.8978 | 2.3042 | 2.2429 | 1.8782 | 1.8953 | 1.6943 | 3.9393 |
| 11 | 1.3088 | 1.5802 | 1.2457 | 1.5589 | 1.2381 | 1.4785 | 1.5586 | 0.6060 |
| | 2.0883 | 1.7424 | 2.2391 | 1.8754 | 2.3760 | 1.9852 | 1.8838 | 4.3200 |
| 12 | 1.6423 | 1.3899 | 1.5122 | 1.2422 | 1.4213 | 1.5957 | 0.9266 | |
| | 1.6712 | 1.9740 | 1.8730 | 2.3679 | 2.1138 | 1.8867 | 2.9749 | |
| 13 | 1.5228 | 1.5219 | 1.5088 | 1.4912 | 1.6004 | 1.0161 | 0.4600 | |
| | 1.8113 | 1.8247 | 1.8829 | 1.9675 | 1.8812 | 2.7339 | 5.9385 | |
| 14 | 1.6693 | 1.6604 | 1.6920 | 1.5772 | 0.9337 | 0.4614 | | |
| | 1.6531 | 1.6734 | 1.6800 | 1.8611 | 2.9519 | 5.9194 | | |
| 15 | 0.7584 | 0.6903 | 0.7317 | 0.6232 | F-SUB-Q | | | |
| | 3.3107 | 3.6616 | 3.4703 | 4.2032 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3818 | 1.2086 | 1.1672 | 1.2411 | 1.5520 | 1.4447 | 1.5789 | 0.7092 |
| | 1.9452 | 2.2084 | 2.2282 | 2.0790 | 1.6716 | 1.8063 | 1.6540 | 3.3587 |
| 9 | 1.2086 | 1.4573 | 1.3894 | 1.4924 | 1.3169 | 1.4389 | 1.5679 | 0.7060 |
| | 2.2084 | 1.8176 | 1.8787 | 1.7397 | 1.9671 | 1.8203 | 1.6741 | 3.3767 |
| 10 | 1.1672 | 1.3904 | 1.1472 | 1.1806 | 1.4268 | 1.4226 | 1.5830 | 0.6044 |
| | 2.2282 | 1.8774 | 2.2765 | 2.2225 | 1.8610 | 1.8773 | 1.6882 | 4.0250 |
| 11 | 1.2411 | 1.4934 | 1.1827 | 1.4765 | 1.1760 | 1.3973 | 1.4710 | 0.5615 |
| | 2.0790 | 1.7385 | 2.2188 | 1.8406 | 2.3178 | 1.9608 | 1.8654 | 4.3810 |
| 12 | 1.5520 | 1.3178 | 1.4317 | 1.1799 | 1.3517 | 1.5105 | 0.8614 | |
| | 1.6716 | 1.9659 | 1.8559 | 2.3130 | 2.0840 | 1.8661 | 2.9714 | |
| 13 | 1.4447 | 1.4444 | 1.4321 | 1.4092 | 1.5149 | 0.9504 | 0.4284 | |
| | 1.8063 | 1.8175 | 1.8651 | 1.9445 | 1.8605 | 2.7564 | 5.9978 | |
| 14 | 1.5789 | 1.5707 | 1.5989 | 1.4885 | 0.8680 | 0.4297 | | |
| | 1.6540 | 1.6727 | 1.6740 | 1.8436 | 2.9478 | 5.9777 | | |
| 15 | 0.7092 | 0.6393 | 0.6813 | 0.5776 | F-SUB-Q | | | |
| | 3.3587 | 3.7488 | 3.5235 | 4.2619 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2616 | 1.1102 | 1.0591 | 1.1359 | 1.4012 | 1.3091 | 1.4160 | 0.6531 |
| | 2.0085 | 2.2736 | 2.3383 | 2.1705 | 1.7691 | 1.9082 | 1.7658 | 3.4996 |
| 9 | 1.1102 | 1.3175 | 1.2597 | 1.3507 | 1.2064 | 1.3037 | 1.4061 | 0.6504 |
| | 2.2736 | 1.9071 | 1.9731 | 1.8345 | 2.0518 | 1.9218 | 1.7856 | 3.5189 |
| 10 | 1.0591 | 1.2606 | 1.0417 | 1.0858 | 1.3013 | 1.2914 | 1.4203 | 0.5528 |
| | 2.3383 | 1.9717 | 2.3867 | 2.3017 | 1.9473 | 1.9698 | 1.7947 | 4.2118 |
| 11 | 1.1359 | 1.3517 | 1.0876 | 1.3438 | 1.0851 | 1.2736 | 1.3277 | 0.5133 |
| | 2.1704 | 1.8333 | 2.2981 | 1.9195 | 2.3816 | 2.0446 | 1.9579 | 4.5641 |
| 12 | 1.4012 | 1.2072 | 1.3055 | 1.0885 | 1.2297 | 1.3599 | 0.7931 | |
| | 1.7691 | 2.0506 | 1.9422 | 2.3742 | 2.1460 | 1.9434 | 3.0486 | |
| 13 | 1.3091 | 1.3085 | 1.2998 | 1.2813 | 1.3638 | 0.8649 | 0.3909 | |
| | 1.9082 | 1.9190 | 1.9574 | 2.0313 | 1.9371 | 2.8340 | 6.1790 | |
| 14 | 1.4160 | 1.4083 | 1.4342 | 1.3431 | 0.7989 | 0.3921 | | |
| | 1.7658 | 1.7843 | 1.7791 | 1.9353 | 3.0254 | 6.1592 | | |
| 15 | 0.6531 | 0.5867 | 0.6256 | 0.5278 | F-SUB-Q | | | |
| | 3.4996 | 3.9196 | 3.6729 | 4.4429 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 50 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1805 | 0.9130 | 0.8433 | 0.9255 | 1.2515 | 1.0410 | 1.2248 | 0.5417 |
| | 2.0515 | 2.6465 | 2.8333 | 2.5747 | 1.9124 | 2.3208 | 1.9752 | 4.0915 |
| 9 | 0.9130 | 1.1790 | 1.0146 | 1.2227 | 0.9885 | 1.0376 | 1.2192 | 0.5433 |
| | 2.6465 | 2.0449 | 2.3609 | 1.9560 | 2.4200 | 2.3384 | 1.9896 | 4.0826 |
| 10 | 0.8433 | 1.0153 | 0.8257 | 0.8944 | 1.2094 | 1.0298 | 1.1948 | 0.4568 |
| | 2.8333 | 2.3593 | 2.9048 | 2.6917 | 2.0126 | 2.3821 | 2.0547 | 4.9354 |
| 11 | 0.9255 | 1.2235 | 0.8957 | 1.2158 | 0.9011 | 1.1890 | 1.1146 | 0.4237 |
| | 2.5747 | 1.9547 | 2.6877 | 2.0260 | 2.7474 | 2.0962 | 2.2419 | 5.3373 |
| 12 | 1.2515 | 0.9891 | 1.2129 | 0.9038 | 0.9926 | 1.1428 | 0.6674 | |
| | 1.9124 | 2.4185 | 2.0074 | 2.7389 | 2.5506 | 2.2194 | 3.4861 | |
| 13 | 1.0410 | 1.0413 | 1.0363 | 1.1950 | 1.1464 | 0.7033 | 0.3175 | |
| | 2.3208 | 2.3352 | 2.3676 | 2.0856 | 2.2119 | 3.3428 | 7.3113 | |
| 14 | 1.2248 | 1.2195 | 1.2054 | 1.1266 | 0.6721 | 0.3185 | | |
| | 1.9752 | 1.9892 | 2.0370 | 2.2179 | 3.4611 | 7.2885 | | |
| 15 | 0.5417 | 0.4875 | 0.5182 | 0.4345 | F-SUB-Q | | | |
| | 4.0915 | 4.5733 | 4.2921 | 5.2101 | M-SUB-Q | | | |

AT 50% POWER, 50 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4497 | 0.3809 | 0.3561 | 0.3929 | 0.4704 | 0.3958 | 0.4278 | 0.2201 |
| | 5.1852 | 6.1208 | 6.5065 | 5.8875 | 4.9241 | 5.8865 | 5.4722 | 9.7798 |
| 9 | 0.3809 | 0.4423 | 0.3903 | 0.4567 | 0.4078 | 0.3935 | 0.4256 | 0.2201 |
| | 6.1208 | 5.2552 | 5.9423 | 5.0729 | 5.6909 | 5.9684 | 5.5142 | 9.7782 |
| 10 | 0.3561 | 0.3905 | 0.3483 | 0.3827 | 0.4578 | 0.3949 | 0.4148 | 0.2008 |
| | 6.5065 | 5.9385 | 6.6732 | 6.1165 | 5.1463 | 6.0305 | 5.7211 | *10.9039 |
| 11 | 0.3929 | 0.4570 | 0.3832 | 0.4432 | 0.3845 | 0.4426 | 0.3872 | 0.1767 |
| | 5.8875 | 5.0694 | 6.1072 | 5.3618 | 6.2234 | 5.4311 | 6.2269 | *12.4094 |
| 12 | 0.4704 | 0.4081 | 0.4589 | 0.3857 | 0.3746 | 0.3996 | 0.2686 | |
| | 4.9241 | 5.6874 | 5.1343 | 6.2046 | 6.5263 | 6.1281 | 8.3798 | |
| 13 | 0.3958 | 0.3948 | 0.3966 | 0.4448 | 0.4009 | 0.2775 | 0.1358 | |
| | 5.8865 | 5.9601 | 6.0088 | 5.4042 | 6.1077 | 8.1903 | *16.5742 | |
| 14 | 0.4278 | 0.4258 | 0.4183 | 0.3913 | 0.2705 | 0.1362 | | |
| | 5.4722 | 5.5120 | 5.6743 | 6.1623 | 8.3189 | *16.5224 | | |
| 15 | 0.2201 | 0.2108 | 0.2112 | 0.1816 | F-SUB-Q | | | |
| | 9.7798 | *10.2769 | *10.2247 | *12.0877 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3217 | 0.3670 | 0.3988 | 0.4534 | 0.5397 | 0.4656 | 0.4869 | 0.2607 |
| | 4.9695 | 5.8468 | 5.9927 | 5.2633 | 4.4304 | 5.1687 | 4.9993 | 8.5042 |
| 9 | 0.3670 | 0.4535 | 0.4325 | 0.5179 | 0.4728 | 0.4571 | 0.4809 | 0.2599 |
| | 5.8468 | 5.1544 | 5.5529 | 4.6099 | 5.0484 | 5.2523 | 5.0550 | 8.5075 |
| 10 | 0.3988 | 0.4326 | 0.3909 | 0.4269 | 0.4994 | 0.4352 | 0.4498 | 0.2279 |
| | 5.9927 | 5.5511 | 6.2034 | 5.6014 | 4.7607 | 5.4578 | 5.2890 | 9.6036 |
| 11 | 0.4534 | 0.5181 | 0.4273 | 0.4513 | 0.3893 | 0.4338 | 0.3987 | 0.1951 |
| | 5.2633 | 4.6081 | 5.5966 | 5.0843 | 5.7918 | 5.1333 | 5.9147 | *10.9605 |
| 12 | 0.5397 | 0.4730 | 0.5000 | 0.3897 | 0.2980 | 0.3270 | 0.2485 | |
| | 4.4304 | 5.0463 | 4.7525 | 5.7825 | 5.7942 | 5.5620 | 7.5998 | |
| 13 | 0.4656 | 0.4573 | 0.4363 | 0.4355 | 0.3285 | 0.1996 | 0.1203 | |
| | 5.1688 | 5.2490 | 5.4439 | 5.1171 | 5.5499 | 7.0989 | *13.6281 | |
| 14 | 0.4869 | 0.4802 | 0.4521 | 0.4018 | 0.2502 | 0.1207 | | |
| | 4.9993 | 5.0617 | 5.2622 | 5.8695 | 7.5605 | *13.5984 | | |
| 15 | 0.2607 | 0.2435 | 0.2399 | 0.1998 | F-SUB-Q | | | |
| | 8.5042 | 9.1322 | 9.0143 | *10.7106 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7960 | 0.8480 | 0.9071 | 1.0279 | 1.3328 | 1.1468 | 1.2849 | 0.6364 |
| | 2.0962 | 2.6138 | 2.7226 | 2.4016 | 1.8578 | 2.1685 | 1.9600 | 3.6050 |
| 9 | 0.8480 | 1.1380 | 1.0665 | 1.2854 | 1.0952 | 1.1345 | 1.2703 | 0.6321 |
| | 2.6138 | 2.1357 | 2.3231 | 1.9222 | 2.2553 | 2.1948 | 1.9643 | 3.5964 |
| 10 | 0.9071 | 1.0668 | 0.8895 | 0.9666 | 1.2379 | 1.0748 | 1.1955 | 0.5223 |
| | 2.7226 | 2.3226 | 2.8050 | 2.5493 | 1.9862 | 2.2917 | 2.0580 | 4.3224 |
| 11 | 1.0279 | 1.2858 | 0.9674 | 1.1572 | 0.8750 | 1.0875 | 1.0468 | 0.4667 |
| | 2.4016 | 1.9214 | 2.5471 | 2.0515 | 2.6283 | 2.1125 | 2.2944 | 4.7414 |
| 12 | 1.3328 | 1.0956 | 1.2399 | 0.8762 | 0.7274 | 0.8594 | 0.6123 | |
| | 1.8578 | 2.2543 | 1.9829 | 2.6234 | 2.3875 | 2.1649 | 3.1870 | |
| 13 | 1.1468 | 1.1345 | 1.0784 | 1.0921 | 0.8631 | 0.4966 | 0.2835 | |
| | 2.1685 | 2.1947 | 2.2837 | 2.1059 | 2.1607 | 2.9366 | 5.9748 | |
| 14 | 1.2849 | 1.2682 | 1.2019 | 1.0549 | 0.6165 | 0.2845 | | |
| | 1.9600 | 1.9673 | 2.0468 | 2.2775 | 3.1707 | 5.9621 | | |
| 15 | 0.6364 | 0.5665 | 0.5827 | 0.4772 | F-SUB-Q | | | |
| | 3.6050 | 4.0451 | 3.8284 | 4.6422 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9453 | 1.0547 | 1.1328 | 1.2690 | 1.5358 | 1.4290 | 1.4980 | 0.7849 |
| | 1.9495 | 2.2025 | 2.2392 | 1.9986 | 1.6532 | 1.7836 | 1.7027 | 2.9573 |
| 9 | 1.0547 | 1.3086 | 1.3156 | 1.4648 | 1.3445 | 1.4152 | 1.4721 | 0.7779 |
| | 2.2025 | 1.9253 | 1.9312 | 1.7301 | 1.8862 | 1.7970 | 1.7275 | 2.9741 |
| 10 | 1.1328 | 1.3158 | 1.1128 | 1.1844 | 1.3835 | 1.3432 | 1.4335 | 0.6515 |
| | 2.2392 | 1.9309 | 2.2796 | 2.1335 | 1.8258 | 1.8811 | 1.7610 | 3.5485 |
| 11 | 1.2690 | 1.4653 | 1.1855 | 1.3198 | 1.0683 | 1.2235 | 1.2619 | 0.5794 |
| | 1.9986 | 1.7294 | 2.1315 | 1.8473 | 2.2145 | 1.9565 | 1.9624 | 3.9244 |
| 12 | 1.5358 | 1.3451 | 1.3859 | 1.0698 | 0.8988 | 1.0276 | 0.7532 | |
| | 1.6532 | 1.8854 | 1.8225 | 2.2101 | 1.9894 | 1.8562 | 2.6663 | |
| 13 | 1.4290 | 1.4152 | 1.3480 | 1.2307 | 1.0324 | 0.6176 | 0.3570 | |
| | 1.7836 | 1.7969 | 1.8743 | 1.9496 | 1.8529 | 2.4417 | 4.8979 | |
| 14 | 1.4980 | 1.4712 | 1.4405 | 1.2744 | 0.7585 | 0.3583 | | |
| | 1.7027 | 1.7282 | 1.7521 | 1.9467 | 2.6519 | 4.8872 | | |
| 15 | 0.7849 | 0.7052 | 0.7202 | 0.5941 | F-SUB-Q | | | |
| | 2.9573 | 3.2980 | 3.1733 | 3.8312 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0951 | 1.1728 | 1.2610 | 1.4113 | 1.7538 | 1.6079 | 1.7162 | 0.8567 |
| | 1.7824 | 2.0604 | 2.0778 | 1.8554 | 1.4928 | 1.6302 | 1.5275 | 2.7844 |
| 9 | 1.1728 | 1.4956 | 1.4766 | 1.6698 | 1.4976 | 1.5923 | 1.6874 | 0.8472 |
| | 2.0604 | 1.7543 | 1.7764 | 1.5669 | 1.7471 | 1.6439 | 1.5505 | 2.8084 |
| 10 | 1.2610 | 1.4767 | 1.2392 | 1.3153 | 1.5785 | 1.5131 | 1.6488 | 0.7100 |
| | 2.0778 | 1.7761 | 2.1116 | 1.9842 | 1.6527 | 1.7222 | 1.5780 | 3.3580 |
| 11 | 1.4113 | 1.6705 | 1.3165 | 1.5043 | 1.1863 | 1.4058 | 1.4525 | 0.6328 |
| | 1.8554 | 1.5662 | 1.9822 | 1.6793 | 2.0643 | 1.7716 | 1.7684 | 3.7141 |
| 12 | 1.7538 | 1.4983 | 1.5813 | 1.1881 | 1.0093 | 1.1819 | 0.8280 | |
| | 1.4928 | 1.7463 | 1.6497 | 2.0600 | 1.8322 | 1.6764 | 2.5232 | |
| 13 | 1.6079 | 1.5924 | 1.5187 | 1.4154 | 1.1876 | 0.6906 | 0.3902 | |
| | 1.6302 | 1.6437 | 1.7154 | 1.7650 | 1.6733 | 2.2957 | 4.6786 | |
| 14 | 1.7162 | 1.6866 | 1.6572 | 1.4672 | 0.8339 | 0.3915 | | |
| | 1.5275 | 1.5510 | 1.5697 | 1.7538 | 2.5091 | 4.6682 | | |
| 15 | 0.8567 | 0.7637 | 0.7857 | 0.6488 | F-SUB-Q | | | |
| | 2.7844 | 3.1312 | 2.9992 | 3.6255 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1874 | 1.2340 | 1.3200 | 1.4837 | 1.8669 | 1.6941 | 1.8294 | 0.9019 |
| | 1.7529 | 2.0594 | 2.0740 | 1.8416 | 1.4610 | 1.6091 | 1.4894 | 2.7515 |
| 9 | 1.2340 | 1.5915 | 1.5524 | 1.7784 | 1.5751 | 1.6774 | 1.8029 | 0.8938 |
| | 2.0594 | 1.7237 | 1.7632 | 1.5348 | 1.7332 | 1.6235 | 1.5079 | 2.7700 |
| 10 | 1.3200 | 1.5526 | 1.2955 | 1.3831 | 1.6829 | 1.5990 | 1.7657 | 0.7516 |
| | 2.0740 | 1.7629 | 2.1096 | 1.9705 | 1.6170 | 1.6969 | 1.5341 | 3.3055 |
| 11 | 1.4837 | 1.7790 | 1.3844 | 1.6038 | 1.2536 | 1.5169 | 1.5639 | 0.6699 |
| | 1.8416 | 1.5342 | 1.9685 | 1.6496 | 2.0507 | 1.7275 | 1.7199 | 3.6625 |
| 12 | 1.8669 | 1.5757 | 1.6860 | 1.2555 | 1.0819 | 1.2809 | 0.8849 | |
| | 1.4610 | 1.7324 | 1.6139 | 2.0463 | 1.8161 | 1.6405 | 2.4861 | |
| 13 | 1.6941 | 1.6777 | 1.6059 | 1.5273 | 1.2865 | 0.7438 | 0.4132 | |
| | 1.6091 | 1.6231 | 1.6894 | 1.7209 | 1.6369 | 2.2780 | 4.6762 | |
| 14 | 1.8294 | 1.8008 | 1.7750 | 1.5797 | 0.8912 | 0.4146 | | |
| | 1.4894 | 1.5095 | 1.5258 | 1.7056 | 2.4721 | 4.6656 | | |
| 15 | 0.9019 | 0.8074 | 0.8300 | 0.6867 | F-SUB-Q | | | |
| | 2.7515 | 3.0825 | 2.9585 | 3.5754 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2357 | 1.2686 | 1.3573 | 1.5225 | 1.9260 | 1.7403 | 1.8907 | 0.9313 |
| | 1.7947 | 2.1244 | 2.1382 | 1.8967 | 1.4941 | 1.6496 | 1.5171 | 2.8069 |
| 9 | 1.2686 | 1.6403 | 1.5924 | 1.8358 | 1.6170 | 1.7235 | 1.8688 | 0.9248 |
| | 2.1244 | 1.7706 | 1.8186 | 1.5714 | 1.7832 | 1.6647 | 1.5317 | 2.8206 |
| 10 | 1.3573 | 1.5927 | 1.3241 | 1.4212 | 1.7412 | 1.6493 | 1.8330 | 0.7817 |
| | 2.1382 | 1.8183 | 2.1852 | 2.0288 | 1.6510 | 1.7355 | 1.5578 | 3.3529 |
| 11 | 1.5225 | 1.8365 | 1.4227 | 1.6599 | 1.2959 | 1.5851 | 1.6321 | 0.6978 |
| | 1.8967 | 1.5707 | 2.0266 | 1.6832 | 2.0989 | 1.7500 | 1.7367 | 3.7158 |
| 12 | 1.9260 | 1.6177 | 1.7445 | 1.3002 | 1.1274 | 1.3449 | 0.9271 | |
| | 1.4941 | 1.7824 | 1.6477 | 2.0942 | 1.8677 | 1.6743 | 2.5272 | |
| 13 | 1.7403 | 1.7240 | 1.6565 | 1.5960 | 1.3503 | 0.7827 | 0.4312 | |
| | 1.6496 | 1.6641 | 1.7276 | 1.7431 | 1.6705 | 2.3352 | 4.8065 | |
| 14 | 1.8907 | 1.8670 | 1.8429 | 1.6484 | 0.9337 | 0.4326 | | |
| | 1.5170 | 1.5331 | 1.5492 | 1.7220 | 2.5127 | 4.7954 | | |
| 15 | 0.9313 | 0.8389 | 0.8614 | 0.7151 | F-SUB-Q | | | |
| | 2.8069 | 3.1264 | 3.0071 | 3.6280 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2758 | 1.2932 | 1.3803 | 1.5545 | 1.9825 | 1.7828 | 1.9518 | 0.9478 |
| | 1.8469 | 2.2015 | 2.2573 | 1.9913 | 1.5529 | 1.7189 | 1.5655 | 2.9437 |
| 9 | 1.2932 | 1.6878 | 1.6284 | 1.8908 | 1.6529 | 1.7663 | 1.9331 | 0.9408 |
| | 2.2015 | 1.8177 | 1.9090 | 1.6355 | 1.8686 | 1.7345 | 1.5804 | 2.9600 |
| 10 | 1.3803 | 1.6287 | 1.3496 | 1.4541 | 1.7984 | 1.6969 | 1.8993 | 0.7949 |
| | 2.2573 | 1.9085 | 2.3027 | 2.1279 | 1.7123 | 1.8038 | 1.6069 | 3.5248 |
| 11 | 1.5545 | 1.8915 | 1.4557 | 1.7153 | 1.3332 | 1.6523 | 1.6993 | 0.7116 |
| | 1.9913 | 1.6348 | 2.1255 | 1.7269 | 2.1632 | 1.7820 | 1.7611 | 3.9025 |
| 12 | 1.9825 | 1.6536 | 1.8019 | 1.3368 | 1.1608 | 1.4068 | 0.9541 | |
| | 1.5529 | 1.8678 | 1.7088 | 2.1581 | 1.9344 | 1.7212 | 2.6318 | |
| 13 | 1.7828 | 1.7669 | 1.7045 | 1.6637 | 1.4125 | 0.8079 | 0.4421 | |
| | 1.7189 | 1.7338 | 1.7955 | 1.7747 | 1.7172 | 2.4452 | 5.0601 | |
| 14 | 1.9518 | 1.9314 | 1.9098 | 1.7164 | 0.9608 | 0.4437 | | |
| | 1.5655 | 1.5816 | 1.5977 | 1.7459 | 2.6161 | 5.0482 | | |
| 15 | 0.9478 | 0.8520 | 0.8781 | 0.7292 | F-SUB-Q | | | |
| | 2.9437 | 3.2861 | 3.1532 | 3.8102 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3031 | 1.3104 | 1.3952 | 1.5719 | 2.0128 | 1.8059 | 1.9884 | 0.9586 |
| | 1.9502 | 2.3377 | 2.4364 | 2.1437 | 1.6611 | 1.8379 | 1.6635 | 3.1499 |
| 9 | 1.3104 | 1.7158 | 1.6490 | 1.9213 | 1.6726 | 1.7904 | 1.9706 | 0.9520 |
| | 2.3377 | 1.9239 | 2.0568 | 1.7528 | 2.0086 | 1.8543 | 1.6789 | 3.1663 |
| 10 | 1.3952 | 1.6494 | 1.3640 | 1.4743 | 1.8339 | 1.7273 | 1.9410 | 0.8059 |
| | 2.4364 | 2.0562 | 2.4874 | 2.2890 | 1.8281 | 1.9248 | 1.7063 | 3.7698 |
| 11 | 1.5719 | 1.9221 | 1.4759 | 1.7510 | 1.3614 | 1.6992 | 1.7460 | 0.7241 |
| | 2.1437 | 1.7520 | 2.2863 | 1.8151 | 2.2797 | 1.8649 | 1.8410 | 4.1542 |
| 12 | 2.0128 | 1.6734 | 1.8377 | 1.3652 | 1.1888 | 1.4549 | 0.9792 | |
| | 1.6611 | 2.0077 | 1.8240 | 2.2744 | 2.0378 | 1.8028 | 2.7602 | |
| 13 | 1.8059 | 1.7912 | 1.7352 | 1.7111 | 1.4607 | 0.8330 | 0.4538 | |
| | 1.8379 | 1.8534 | 1.9156 | 1.8571 | 1.7985 | 2.5896 | 5.3668 | |
| 14 | 1.9884 | 1.9692 | 1.9520 | 1.7635 | 0.9861 | 0.4553 | | |
| | 1.6635 | 1.6801 | 1.6963 | 1.8250 | 2.7439 | 5.3537 | | |
| 15 | 0.9586 | 0.8624 | 0.8912 | 0.7420 | F-SUB-Q | | | |
| | 3.1499 | 3.5147 | 3.3691 | 4.0587 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3411 | 1.3330 | 1.4081 | 1.5875 | 2.0426 | 1.8266 | 2.0226 | 0.9646 |
| | 2.1156 | 2.5430 | 2.6483 | 2.3147 | 1.7824 | 1.9743 | 1.7776 | 3.3868 |
| 9 | 1.3330 | 1.7497 | 1.6710 | 1.9523 | 1.6906 | 1.8123 | 2.0062 | 0.9568 |
| | 2.5430 | 2.0615 | 2.2297 | 1.8857 | 2.1660 | 1.9919 | 1.7938 | 3.4097 |
| 10 | 1.4081 | 1.6715 | 1.3802 | 1.4942 | 1.8716 | 1.7570 | 1.9824 | 0.8121 |
| | 2.6483 | 2.2290 | 2.6903 | 2.4751 | 1.9536 | 2.0678 | 1.8246 | 4.0585 |
| 11 | 1.5875 | 1.9532 | 1.4959 | 1.7923 | 1.3930 | 1.7497 | 1.7956 | 0.7336 |
| | 2.3147 | 1.8848 | 2.4720 | 1.9438 | 2.4518 | 1.9872 | 1.9484 | 4.4496 |
| 12 | 2.0426 | 1.6914 | 1.8757 | 1.3968 | 1.2320 | 1.5143 | 1.0031 | |
| | 1.7824 | 2.1650 | 1.9491 | 2.4457 | 2.1953 | 1.9283 | 2.9790 | |
| 13 | 1.8266 | 1.8132 | 1.7652 | 1.7619 | 1.5203 | 0.8645 | 0.4676 | |
| | 1.9743 | 1.9907 | 2.0577 | 1.9733 | 1.9236 | 2.7980 | 5.8000 | |
| 14 | 2.0226 | 2.0050 | 1.9937 | 1.8128 | 1.0101 | 0.4691 | | |
| | 1.7776 | 1.7948 | 1.8136 | 1.9310 | 2.9613 | 5.7859 | | |
| 15 | 0.9646 | 0.8671 | 0.8996 | 0.7515 | F-SUB-Q | | | |
| | 3.3868 | 3.7828 | 3.6202 | 4.3480 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3764 | 1.3498 | 1.4184 | 1.5820 | 2.0260 | 1.8159 | 2.0085 | 0.9711 |
| | 2.3562 | 2.8172 | 2.8671 | 2.5168 | 1.9445 | 2.1514 | 1.9416 | 3.6434 |
| 9 | 1.3498 | 1.7530 | 1.6688 | 1.9402 | 1.6839 | 1.8035 | 1.9942 | 0.9677 |
| | 2.8172 | 2.2957 | 2.4384 | 2.0601 | 2.3548 | 2.1678 | 1.9561 | 3.6491 |
| 10 | 1.4184 | 1.6693 | 1.3787 | 1.4955 | 1.8690 | 1.7589 | 1.9800 | 0.8282 |
| | 2.8671 | 2.4375 | 2.9523 | 2.6922 | 2.1365 | 2.2399 | 1.9799 | 4.2973 |
| 11 | 1.5820 | 1.9411 | 1.4973 | 1.8018 | 1.4184 | 1.7667 | 1.8109 | 0.7520 |
| | 2.5168 | 2.0590 | 2.6887 | 2.1470 | 2.6919 | 2.1864 | 2.1424 | 4.7310 |
| 12 | 2.0260 | 1.6846 | 1.8731 | 1.4232 | 1.2910 | 1.5671 | 1.0446 | |
| | 1.9445 | 2.3536 | 2.1313 | 2.6853 | 2.4394 | 2.1402 | 3.2194 | |
| 13 | 1.8159 | 1.8046 | 1.7672 | 1.7790 | 1.5731 | 0.9234 | 0.4931 | |
| | 2.1514 | 2.1661 | 2.2283 | 2.1707 | 2.1347 | 3.0731 | 6.3274 | |
| 14 | 2.0085 | 1.9932 | 1.9916 | 1.8279 | 1.0516 | 0.4946 | | |
| | 1.9416 | 1.9567 | 1.9674 | 2.1233 | 3.1998 | 6.3112 | | |
| 15 | 0.9711 | 0.8816 | 0.9137 | 0.7699 | F-SUB-Q | | | |
| | 3.6434 | 4.0264 | 3.8474 | 4.6200 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5258 | 1.3998 | 1.4276 | 1.5982 | 2.0629 | 1.8381 | 2.0489 | 0.9680 |
| | 2.5938 | 3.1284 | 3.1080 | 2.7065 | 2.0667 | 2.2843 | 2.0413 | 3.9029 |
| 9 | 1.3998 | 1.8116 | 1.6985 | 1.9805 | 1.7031 | 1.8275 | 2.0367 | 0.9625 |
| | 3.1284 | 2.5353 | 2.6149 | 2.1942 | 2.5277 | 2.3045 | 2.0593 | 3.9229 |
| 10 | 1.4276 | 1.6991 | 1.4001 | 1.5196 | 1.9194 | 1.7950 | 2.0319 | 0.8230 |
| | 3.1080 | 2.6139 | 3.1734 | 2.8955 | 2.2740 | 2.3886 | 2.0942 | 4.6635 |
| 11 | 1.5982 | 1.9814 | 1.5214 | 1.8768 | 1.4694 | 1.8403 | 1.8809 | 0.7526 |
| | 2.7065 | 2.1930 | 2.8917 | 2.3559 | 2.9736 | 2.3822 | 2.3298 | 5.1463 |
| 12 | 2.0629 | 1.7038 | 1.9237 | 1.4734 | 1.4314 | 1.7033 | 1.0772 | |
| | 2.0667 | 2.5264 | 2.2685 | 2.9664 | 2.6679 | 2.3262 | 3.5854 | |
| 13 | 1.8381 | 1.8287 | 1.8036 | 1.8531 | 1.7095 | 1.0198 | 0.5150 | |
| | 2.2843 | 2.3028 | 2.3766 | 2.3664 | 2.3203 | 3.4092 | 7.0500 | |
| 14 | 2.0489 | 2.0359 | 2.0440 | 1.8985 | 1.0843 | 0.5165 | | |
| | 2.0413 | 2.0600 | 2.0812 | 2.3045 | 3.5636 | 7.0325 | | |
| 15 | 0.9680 | 0.8731 | 0.9124 | 0.7709 | F-SUB-Q | | | |
| | 3.9029 | 4.3481 | 4.1567 | 5.0225 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7143 | 1.4501 | 1.4336 | 1.5981 | 2.0648 | 1.8365 | 2.0529 | 0.9656 |
| | 2.6444 | 3.1812 | 3.2988 | 2.8895 | 2.2292 | 2.4775 | 2.2065 | 4.2242 |
| 9 | 1.4501 | 1.8416 | 1.7078 | 1.9874 | 1.7032 | 1.8280 | 2.0430 | 0.9616 |
| | 3.1812 | 2.5807 | 2.7868 | 2.3481 | 2.7126 | 2.4992 | 2.2253 | 4.2407 |
| 10 | 1.4336 | 1.7085 | 1.4080 | 1.5280 | 1.9382 | 1.8081 | 2.0501 | 0.8254 |
| | 3.2988 | 2.7856 | 3.3861 | 3.1077 | 2.4680 | 2.5875 | 2.2614 | 5.0371 |
| 11 | 1.5981 | 1.9884 | 1.5299 | 1.9261 | 1.5103 | 1.8830 | 1.9199 | 0.7596 |
| | 2.8895 | 2.3468 | 3.1036 | 2.4510 | 3.1168 | 2.5183 | 2.4869 | 5.5715 |
| 12 | 2.0648 | 1.7040 | 1.9429 | 1.5143 | 1.5772 | 1.8342 | 1.1165 | |
| | 2.2292 | 2.7113 | 2.4619 | 3.1088 | 2.8526 | 2.4859 | 3.8366 | |
| 13 | 1.8365 | 1.8314 | 1.8169 | 1.8960 | 1.8393 | 1.1236 | 0.5415 | |
| | 2.4775 | 2.4972 | 2.5743 | 2.5072 | 2.4794 | 3.6671 | 7.6453 | |
| 14 | 2.0529 | 2.0424 | 2.0651 | 1.9377 | 1.1235 | 0.5430 | | |
| | 2.2065 | 2.2259 | 2.2472 | 2.4647 | 3.8129 | 7.6254 | | |
| 15 | 0.9656 | 0.8727 | 0.9153 | 0.7779 | F-SUB-Q | | | |
| | 4.2242 | 4.6990 | 4.4888 | 5.4383 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7732 | 1.4800 | 1.4321 | 1.5810 | 2.0341 | 1.8127 | 2.0243 | 0.9622 |
| | 2.6796 | 3.2141 | 3.1878 | 2.8114 | 2.1747 | 2.4304 | 2.1796 | 4.1528 |
| 9 | 1.4800 | 1.8359 | 1.6949 | 1.9620 | 1.6840 | 1.8093 | 2.0165 | 0.9610 |
| | 3.2141 | 2.6125 | 2.7116 | 2.2916 | 2.6406 | 2.4567 | 2.2029 | 4.1615 |
| 10 | 1.4321 | 1.6956 | 1.3984 | 1.5182 | 1.9228 | 1.7972 | 2.0365 | 0.8317 |
| | 3.1878 | 2.7104 | 3.2967 | 3.0237 | 2.4120 | 2.5631 | 2.2552 | 4.9519 |
| 11 | 1.5810 | 1.9629 | 1.5201 | 1.9337 | 1.5245 | 1.8880 | 1.9232 | 0.7702 |
| | 2.8114 | 2.2904 | 3.0196 | 2.4771 | 3.1387 | 2.5433 | 2.5070 | 5.5381 |
| 12 | 2.0341 | 1.6848 | 1.9276 | 1.5285 | 1.6500 | 1.8945 | 1.1488 | |
| | 2.1747 | 2.6393 | 2.4060 | 3.1305 | 2.8769 | 2.5097 | 3.8155 | |
| 13 | 1.8127 | 1.8138 | 1.8060 | 1.9010 | 1.8996 | 1.1874 | 0.5638 | |
| | 2.4304 | 2.4547 | 2.5501 | 2.5302 | 2.5031 | 3.6604 | 7.6113 | |
| 14 | 2.0243 | 2.0162 | 2.0517 | 1.9409 | 1.1559 | 0.5653 | | |
| | 2.1796 | 2.2033 | 2.2411 | 2.4843 | 3.7916 | 7.5911 | | |
| 15 | 0.9622 | 0.8767 | 0.9195 | 0.7883 | F-SUB-Q | | | |
| | 4.1528 | 4.5850 | 4.4293 | 5.4096 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8149 | 1.4994 | 1.4223 | 1.5771 | 2.0443 | 1.8132 | 2.0393 | 0.9478 |
| | 2.5482 | 3.0615 | 3.1058 | 2.7225 | 2.0902 | 2.3450 | 2.0878 | 4.0599 |
| 9 | 1.4994 | 1.8582 | 1.7000 | 1.9749 | 1.6815 | 1.8143 | 2.0332 | 0.9440 |
| | 3.0615 | 2.4737 | 2.6163 | 2.2017 | 2.5555 | 2.3704 | 2.1098 | 4.0811 |
| 10 | 1.4223 | 1.7008 | 1.3998 | 1.5196 | 1.9425 | 1.8077 | 2.0628 | 0.8157 |
| | 3.1058 | 2.6150 | 3.1895 | 2.9261 | 2.3167 | 2.4696 | 2.1590 | 4.8763 |
| 11 | 1.5771 | 1.9759 | 1.5216 | 1.9654 | 1.5396 | 1.9241 | 1.9592 | 0.7587 |
| | 2.7225 | 2.2005 | 2.9221 | 2.3550 | 3.0034 | 2.4179 | 2.3779 | 5.4521 |
| 12 | 2.0443 | 1.6822 | 1.9474 | 1.5437 | 1.6948 | 1.9524 | 1.1496 | |
| | 2.0902 | 2.5543 | 2.3109 | 2.9960 | 2.7607 | 2.3903 | 3.6909 | |
| 13 | 1.8132 | 1.8190 | 1.8168 | 1.9374 | 1.9577 | 1.2036 | 0.5649 | |
| | 2.3450 | 2.3684 | 2.4569 | 2.4029 | 2.3843 | 3.5407 | 7.3478 | |
| 14 | 2.0393 | 2.0330 | 2.0785 | 1.9773 | 1.1568 | 0.5664 | | |
| | 2.0878 | 2.1100 | 2.1453 | 2.3573 | 3.6684 | 7.3293 | | |
| 15 | 0.9478 | 0.8582 | 0.9065 | 0.7771 | F-SUB-Q | | | |
| | 4.0599 | 4.5118 | 4.3402 | 5.3226 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8089 | 1.4897 | 1.4055 | 1.5568 | 2.0231 | 1.7920 | 2.0224 | 0.9318 |
| | 2.3511 | 2.8327 | 2.8758 | 2.5318 | 1.9470 | 2.1922 | 1.9455 | 3.7926 |
| 9 | 1.4897 | 1.8466 | 1.6825 | 1.9564 | 1.6601 | 1.7961 | 2.0175 | 0.9278 |
| | 2.8327 | 2.2868 | 2.4174 | 2.0407 | 2.3802 | 2.2136 | 1.9644 | 3.8141 |
| 10 | 1.4055 | 1.6833 | 1.3833 | 1.5028 | 1.9278 | 1.7934 | 2.0542 | 0.8027 |
| | 2.8758 | 2.4162 | 2.9465 | 2.7101 | 2.1468 | 2.2960 | 2.0030 | 4.5434 |
| 11 | 1.5568 | 1.9574 | 1.5049 | 1.9576 | 1.5304 | 1.9217 | 1.9581 | 0.7492 |
| | 2.5318 | 2.0396 | 2.7065 | 2.1737 | 2.7801 | 2.2289 | 2.1903 | 5.0475 |
| 12 | 2.0231 | 1.6609 | 1.9328 | 1.5345 | 1.6978 | 1.9606 | 1.1427 | |
| | 1.9470 | 2.3791 | 2.1417 | 2.7731 | 2.5449 | 2.1975 | 3.4245 | |
| 13 | 1.7920 | 1.8010 | 1.8025 | 1.9352 | 1.9659 | 1.2023 | 0.5614 | |
| | 2.1922 | 2.2119 | 2.2843 | 2.2140 | 2.1919 | 3.2815 | 6.8450 | |
| 14 | 2.0224 | 2.0189 | 2.0701 | 1.9764 | 1.1497 | 0.5629 | | |
| | 1.9455 | 1.9645 | 1.9907 | 2.1709 | 3.4036 | 6.8275 | | |
| 15 | 0.9318 | 0.8432 | 0.8937 | 0.7674 | F-SUB-Q | | | |
| | 3.7926 | 4.2154 | 4.0378 | 4.9296 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7764 | 1.4622 | 1.3772 | 1.5244 | 1.9823 | 1.7558 | 1.9839 | 0.9134 |
| | 2.1980 | 2.6461 | 2.6470 | 2.3389 | 1.7983 | 2.0271 | 1.7968 | 3.5109 |
| 9 | 1.4622 | 1.8133 | 1.6502 | 1.9177 | 1.6256 | 1.7625 | 1.9798 | 0.9114 |
| | 2.6461 | 2.1295 | 2.2268 | 1.8822 | 2.1992 | 2.0454 | 1.8133 | 3.5222 |
| 10 | 1.3772 | 1.6511 | 1.3555 | 1.4729 | 1.8917 | 1.7614 | 2.0208 | 0.7899 |
| | 2.6470 | 2.2256 | 2.7182 | 2.5006 | 1.9807 | 2.1167 | 1.8445 | 4.1886 |
| 11 | 1.5244 | 1.9187 | 1.4750 | 1.9251 | 1.5044 | 1.8921 | 1.9298 | 0.7378 |
| | 2.3389 | 1.8812 | 2.4972 | 2.0282 | 2.5978 | 2.0798 | 2.0412 | 4.6482 |
| 12 | 1.9823 | 1.6264 | 1.8975 | 1.5085 | 1.6757 | 1.9370 | 1.1309 | |
| | 1.7983 | 2.1982 | 1.9758 | 2.5910 | 2.3860 | 2.0575 | 3.1950 | |
| 13 | 1.7558 | 1.7675 | 1.7705 | 1.9056 | 1.9423 | 1.1897 | 0.5549 | |
| | 2.0271 | 2.0436 | 2.1055 | 2.0656 | 2.0520 | 3.0753 | 6.4311 | |
| 14 | 1.9839 | 1.9830 | 2.0367 | 1.9481 | 1.1379 | 0.5564 | | |
| | 1.7968 | 1.8132 | 1.8328 | 2.0228 | 3.1748 | 6.4140 | | |
| 15 | 0.9134 | 0.8291 | 0.8791 | 0.7558 | F-SUB-Q | | | |
| | 3.5109 | 3.8907 | 3.7238 | 4.5388 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7167 | 1.4180 | 1.3449 | 1.4785 | 1.9155 | 1.7017 | 1.9183 | 0.8927 |
| | 2.2407 | 2.6882 | 2.6646 | 2.3736 | 1.8326 | 2.0621 | 1.8320 | 3.5491 |
| 9 | 1.4180 | 1.7536 | 1.6002 | 1.8532 | 1.5757 | 1.7101 | 1.9148 | 0.8931 |
| | 2.6882 | 2.1662 | 2.2559 | 1.9152 | 2.2336 | 2.0792 | 1.8480 | 3.5507 |
| 10 | 1.3449 | 1.6011 | 1.3141 | 1.4285 | 1.8289 | 1.7090 | 1.9583 | 0.7779 |
| | 2.6646 | 2.2546 | 2.7554 | 2.5345 | 2.0164 | 2.1459 | 1.8735 | 4.1973 |
| 11 | 1.4785 | 1.8543 | 1.4305 | 1.8635 | 1.4618 | 1.8326 | 1.8720 | 0.7276 |
| | 2.3736 | 1.9142 | 2.5310 | 2.0670 | 2.6396 | 2.1208 | 2.0752 | 4.6421 |
| 12 | 1.9155 | 1.5764 | 1.8346 | 1.4658 | 1.6301 | 1.8814 | 1.1133 | |
| | 1.8326 | 2.2326 | 2.0113 | 2.6326 | 2.4255 | 2.0956 | 3.2116 | |
| 13 | 1.7017 | 1.7151 | 1.7184 | 1.8458 | 1.8866 | 1.1700 | 0.5466 | |
| | 2.0621 | 2.0773 | 2.1342 | 2.1060 | 2.0898 | 3.0984 | 6.4780 | |
| 14 | 1.9183 | 1.9189 | 1.9740 | 1.8899 | 1.1203 | 0.5480 | | |
| | 1.8320 | 1.8478 | 1.8613 | 2.0531 | 3.1912 | 6.4604 | | |
| 15 | 0.8927 | 0.8159 | 0.8633 | 0.7450 | F-SUB-Q | | | |
| | 3.5491 | 3.9060 | 3.7419 | 4.5348 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6888 | 1.3865 | 1.3045 | 1.4427 | 1.8848 | 1.6665 | 1.8910 | 0.8585 |
| | 2.0880 | 2.5134 | 2.5210 | 2.2337 | 1.7116 | 1.9380 | 1.7103 | 3.4030 |
| 9 | 1.3865 | 1.7262 | 1.5675 | 1.8236 | 1.5390 | 1.6753 | 1.8878 | 0.8563 |
| | 2.5134 | 1.9946 | 2.1088 | 1.7855 | 2.1004 | 1.9528 | 1.7241 | 3.4180 |
| 10 | 1.3045 | 1.5684 | 1.2834 | 1.3943 | 1.7995 | 1.6756 | 1.9328 | 0.7422 |
| | 2.5210 | 2.1075 | 2.5837 | 2.3795 | 1.8788 | 2.0079 | 1.7422 | 4.0482 |
| 11 | 1.4427 | 1.8246 | 1.3964 | 1.8346 | 1.4273 | 1.8073 | 1.8482 | 0.6946 |
| | 2.2337 | 1.7845 | 2.3761 | 1.9101 | 2.4633 | 1.9554 | 1.9120 | 4.4600 |
| 12 | 1.8848 | 1.5397 | 1.8052 | 1.4312 | 1.6007 | 1.8577 | 1.0687 | |
| | 1.7116 | 2.0994 | 1.8740 | 2.4566 | 2.2599 | 1.9483 | 3.0691 | |
| 13 | 1.6665 | 1.6803 | 1.6847 | 1.8206 | 1.8630 | 1.1294 | 0.5227 | |
| | 1.9380 | 1.9508 | 1.9968 | 1.9413 | 1.9429 | 2.9424 | 6.2304 | |
| 14 | 1.8910 | 1.8927 | 1.9486 | 1.8662 | 1.0755 | 0.5241 | | |
| | 1.7103 | 1.7237 | 1.7305 | 1.8938 | 3.0488 | 6.2137 | | |
| 15 | 0.8585 | 0.7784 | 0.8285 | 0.7117 | F-SUB-Q | | | |
| | 3.4030 | 3.7743 | 3.5879 | 4.3541 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6219 | 1.3331 | 1.2552 | 1.3865 | 1.8124 | 1.6037 | 1.8188 | 0.8229 |
| | 1.9696 | 2.3835 | 2.4219 | 2.1542 | 1.6512 | 1.8711 | 1.6521 | 3.3061 |
| 9 | 1.3331 | 1.6601 | 1.5094 | 1.7528 | 1.4792 | 1.6125 | 1.8157 | 0.8210 |
| | 2.3835 | 1.9035 | 2.0216 | 1.7193 | 2.0258 | 1.8838 | 1.6642 | 3.3196 |
| 10 | 1.2552 | 1.5104 | 1.2348 | 1.3395 | 1.7274 | 1.6126 | 1.8609 | 0.7112 |
| | 2.4219 | 2.0203 | 2.4796 | 2.2877 | 1.8068 | 1.9292 | 1.6740 | 3.9232 |
| 11 | 1.3865 | 1.7538 | 1.3415 | 1.7638 | 1.3711 | 1.7363 | 1.7785 | 0.6656 |
| | 2.1542 | 1.7183 | 2.2844 | 1.8268 | 2.3569 | 1.8761 | 1.8266 | 4.3019 |
| 12 | 1.8124 | 1.4799 | 1.7330 | 1.3749 | 1.5418 | 1.7894 | 1.0257 | |
| | 1.6512 | 2.0249 | 1.8021 | 2.3504 | 2.1395 | 1.8457 | 2.9282 | |
| 13 | 1.6037 | 1.6175 | 1.6215 | 1.7492 | 1.7945 | 1.0863 | 0.5012 | |
| | 1.8711 | 1.8818 | 1.9183 | 1.8625 | 1.8405 | 2.8000 | 5.9503 | |
| 14 | 1.8188 | 1.8208 | 1.8764 | 1.7961 | 1.0323 | 0.5025 | | |
| | 1.6521 | 1.6637 | 1.6625 | 1.8085 | 2.9089 | 5.9338 | | |
| 15 | 0.8229 | 0.7458 | 0.7947 | 0.6822 | F-SUB-Q | | | |
| | 3.3061 | 3.6675 | 3.4732 | 4.1991 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5111 | 1.2552 | 1.1930 | 1.3070 | 1.6916 | 1.5092 | 1.6947 | 0.7842 |
| | 1.9702 | 2.3644 | 2.3726 | 2.1400 | 1.6580 | 1.8658 | 1.6642 | 3.2644 |
| 9 | 1.2552 | 1.5499 | 1.4223 | 1.6349 | 1.3929 | 1.5180 | 1.6918 | 0.7850 |
| | 2.3644 | 1.8761 | 1.9989 | 1.7233 | 2.0146 | 1.8766 | 1.6751 | 3.2615 |
| 10 | 1.1930 | 1.4232 | 1.1662 | 1.2613 | 1.6078 | 1.5163 | 1.7357 | 0.6834 |
| | 2.3726 | 1.9976 | 2.4476 | 2.2642 | 1.8067 | 1.9142 | 1.6753 | 3.8296 |
| 11 | 1.3070 | 1.6358 | 1.2631 | 1.6459 | 1.2906 | 1.6136 | 1.6562 | 0.6391 |
| | 2.1400 | 1.7223 | 2.2609 | 1.8105 | 2.3229 | 1.8615 | 1.8116 | 4.1781 |
| 12 | 1.6916 | 1.3936 | 1.6130 | 1.2943 | 1.4501 | 1.6705 | 0.9820 | |
| | 1.6579 | 2.0136 | 1.8021 | 2.3163 | 2.1130 | 1.8385 | 2.8561 | |
| 13 | 1.5092 | 1.5227 | 1.5248 | 1.6257 | 1.6753 | 1.0389 | 0.4816 | |
| | 1.8658 | 1.8746 | 1.9033 | 1.8476 | 1.8333 | 2.7170 | 5.7641 | |
| 14 | 1.6947 | 1.6963 | 1.7504 | 1.6727 | 0.9884 | 0.4829 | | |
| | 1.6642 | 1.6746 | 1.6637 | 1.7935 | 2.8373 | 5.7483 | | |
| 15 | 0.7842 | 0.7169 | 0.7605 | 0.6549 | F-SUB-Q | | | |
| | 3.2644 | 3.5891 | 3.4041 | 4.0791 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4175 | 1.1836 | 1.1192 | 1.2289 | 1.5884 | 1.4231 | 1.5898 | 0.7277 |
| | 1.9523 | 2.3194 | 2.3879 | 2.1540 | 1.6726 | 1.8768 | 1.6823 | 3.3447 |
| 9 | 1.1836 | 1.4570 | 1.3429 | 1.5345 | 1.3109 | 1.4300 | 1.5858 | 0.7257 |
| | 2.3194 | 1.8683 | 1.9956 | 1.7351 | 2.0260 | 1.8870 | 1.6938 | 3.3530 |
| 10 | 1.1192 | 1.3438 | 1.1020 | 1.1874 | 1.5071 | 1.4290 | 1.6285 | 0.6274 |
| | 2.3879 | 1.9942 | 2.4355 | 2.2673 | 1.8126 | 1.9148 | 1.6848 | 3.9532 |
| 11 | 1.2289 | 1.5354 | 1.1892 | 1.5459 | 1.2134 | 1.5084 | 1.5502 | 0.5866 |
| | 2.1540 | 1.7341 | 2.2641 | 1.7971 | 2.3016 | 1.8622 | 1.8136 | 4.2889 |
| 12 | 1.5884 | 1.3115 | 1.5116 | 1.2167 | 1.3670 | 1.5682 | 0.9055 | |
| | 1.6726 | 2.0251 | 1.8077 | 2.2952 | 2.1073 | 1.8363 | 2.8842 | |
| 13 | 1.4231 | 1.4345 | 1.4370 | 1.5199 | 1.5727 | 0.9650 | 0.4449 | |
| | 1.8768 | 1.8845 | 1.9045 | 1.8483 | 1.8309 | 2.7650 | 5.8815 | |
| 14 | 1.5898 | 1.5897 | 1.6424 | 1.5660 | 0.9114 | 0.4461 | | |
| | 1.6823 | 1.6934 | 1.6718 | 1.7956 | 2.8644 | 5.8647 | | |
| 15 | 0.7277 | 0.6589 | 0.7027 | 0.6017 | F-SUB-Q | | | |
| | 3.3447 | 3.7113 | 3.4917 | 4.1844 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2661 | 1.0712 | 1.0070 | 1.1076 | 1.4082 | 1.2760 | 1.4067 | 0.6586 |
| | 2.0607 | 2.4257 | 2.5309 | 2.2877 | 1.8075 | 2.0076 | 1.8240 | 3.5523 |
| 9 | 1.0712 | 1.2950 | 1.2055 | 1.3629 | 1.1815 | 1.2808 | 1.4013 | 0.6571 |
| | 2.4257 | 1.9960 | 2.1213 | 1.8677 | 2.1522 | 2.0173 | 1.8402 | 3.5626 |
| 10 | 1.0070 | 1.2063 | 0.9917 | 1.0741 | 1.3409 | 1.2805 | 1.4382 | 0.5643 |
| | 2.5309 | 2.1198 | 2.5801 | 2.3930 | 1.9419 | 2.0394 | 1.8214 | 4.2152 |
| 11 | 1.1076 | 1.3637 | 1.0757 | 1.3766 | 1.0986 | 1.3376 | 1.3714 | 0.5275 |
| | 2.2877 | 1.8667 | 2.3897 | 1.9173 | 2.4138 | 1.9934 | 1.9479 | 4.5520 |
| 12 | 1.4082 | 1.1821 | 1.3451 | 1.1016 | 1.2264 | 1.3898 | 0.8172 | |
| | 1.8075 | 2.1512 | 1.9368 | 2.4074 | 2.2055 | 1.9499 | 3.0265 | |
| 13 | 1.2760 | 1.2846 | 1.2875 | 1.3457 | 1.3937 | 0.8674 | 0.4008 | |
| | 2.0076 | 2.0130 | 2.0286 | 1.9839 | 1.9444 | 2.8865 | 6.1552 | |
| 14 | 1.4067 | 1.4035 | 1.4503 | 1.3852 | 0.8224 | 0.4018 | | |
| | 1.8240 | 1.8397 | 1.8066 | 1.9285 | 3.0066 | 6.1384 | | |
| 15 | 0.6586 | 0.5951 | 0.6344 | 0.5410 | F-SUB-Q | | | |
| | 3.5523 | 3.9492 | 3.7084 | 4.4423 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 100 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1161 | 0.8626 | 0.7944 | 0.8842 | 1.1951 | 1.0001 | 1.1857 | 0.5340 |
| | 2.2470 | 2.8976 | 3.0985 | 2.7733 | 2.0601 | 2.4806 | 2.0957 | 4.2528 |
| 9 | 0.8626 | 1.1095 | 0.9571 | 1.1678 | 0.9470 | 1.0036 | 1.1829 | 0.5368 |
| | 2.8976 | 2.2496 | 2.5783 | 2.1088 | 2.5982 | 2.4922 | 2.1067 | 4.2338 |
| 10 | 0.7944 | 0.9577 | 0.7796 | 0.8663 | 1.1825 | 1.0062 | 1.1705 | 0.4549 |
| | 3.0985 | 2.5766 | 3.1693 | 2.8683 | 2.1318 | 2.5120 | 2.1559 | 5.0683 |
| 11 | 0.8842 | 1.1684 | 0.8675 | 1.1851 | 0.8878 | 1.1754 | 1.1096 | 0.4259 |
| | 2.7733 | 2.1077 | 2.8644 | 2.1399 | 2.8690 | 2.1820 | 2.3157 | 5.4484 |
| 12 | 1.1951 | 0.9475 | 1.1856 | 0.8900 | 0.9759 | 1.1320 | 0.6671 | |
| | 2.0601 | 2.5971 | 2.1270 | 2.8616 | 2.6633 | 2.3007 | 3.5729 | |
| 13 | 1.0001 | 1.0064 | 1.0130 | 1.1803 | 1.1350 | 0.6939 | 0.3205 | |
| | 2.4806 | 2.4855 | 2.4993 | 2.1728 | 2.2946 | 3.4652 | 7.4060 | |
| 14 | 1.1857 | 1.1827 | 1.1793 | 1.1198 | 0.6711 | 0.3214 | | |
| | 2.0957 | 2.1072 | 2.1403 | 2.2945 | 3.5509 | 7.3864 | | |
| 15 | 0.5340 | 0.4817 | 0.5138 | 0.4358 | F-SUB-Q | | | |
| | 4.2528 | 4.7360 | 4.4374 | 5.3303 | M-SUB-Q | | | |

AT 50% POWER, 100 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4245 | 0.3579 | 0.3359 | 0.3736 | 0.4499 | 0.3806 | 0.4157 | 0.2156 |
| | 5.6868 | 6.7363 | 7.1102 | 6.3759 | 5.3013 | 6.3183 | 5.7897 | *10.2395 |
| 9 | 0.3579 | 0.4164 | 0.3685 | 0.4366 | 0.3894 | 0.3811 | 0.4145 | 0.2160 |
| | 6.7363 | 5.7687 | 6.4877 | 5.4656 | 6.1350 | 6.3555 | 5.8221 | *10.2226 |
| 10 | 0.3359 | 0.3688 | 0.3298 | 0.3681 | 0.4454 | 0.3853 | 0.4078 | 0.1982 |
| | 7.1102 | 6.4837 | 7.2706 | 6.5476 | 5.4534 | 6.3644 | 5.9859 | *11.3019 |
| 11 | 0.3736 | 0.4368 | 0.3686 | 0.4315 | 0.3758 | 0.4369 | 0.3856 | 0.1765 |
| | 6.3759 | 5.4626 | 6.5393 | 5.6736 | 6.5538 | 5.6638 | 6.4360 | *12.7590 |
| 12 | 0.4499 | 0.3896 | 0.4463 | 0.3768 | 0.3683 | 0.3966 | 0.2665 | |
| | 5.3013 | 6.1321 | 5.4429 | 6.5374 | 6.8213 | 6.3448 | 8.6651 | |
| 13 | 0.3806 | 0.3822 | 0.3867 | 0.4387 | 0.3977 | 0.2737 | 0.1364 | |
| | 6.3184 | 6.3387 | 6.3418 | 5.6404 | 6.3270 | 8.4998 | *16.8812 | |
| 14 | 0.4157 | 0.4145 | 0.4107 | 0.3891 | 0.2681 | 0.1367 | | |
| | 5.7897 | 5.8225 | 5.9436 | 6.3780 | 8.6110 | *16.8361 | | |
| 15 | 0.2156 | 0.2066 | 0.2082 | 0.1809 | F-SUB-Q | | | |
| | *10.2395 | *10.7364 | *10.6364 | *12.4554 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3171 | 0.3565 | 0.3939 | 0.4542 | 0.5406 | 0.4595 | 0.4173 | 0.2236 |
| | 5.0076 | 5.9082 | 6.0419 | 5.2738 | 4.4352 | 5.0925 | 4.8780 | 8.1792 |
| 9 | 0.3565 | 0.4298 | 0.4207 | 0.5188 | 0.4755 | 0.4558 | 0.4686 | 0.2494 |
| | 5.9082 | 5.2250 | 5.5986 | 4.6092 | 5.0343 | 5.1619 | 4.9211 | 8.1698 |
| 10 | 0.3939 | 0.4208 | 0.3491 | 0.4247 | 0.5114 | 0.4475 | 0.4647 | 0.2326 |
| | 6.0419 | 5.5970 | 6.2003 | 5.5542 | 4.6778 | 5.3050 | 5.0998 | 9.1233 |
| 11 | 0.4542 | 0.5190 | 0.4250 | 0.4529 | 0.3998 | 0.4578 | 0.4232 | 0.2089 |
| | 5.2738 | 4.6078 | 5.5502 | 5.0234 | 5.6789 | 4.9990 | 5.6437 | *10.3037 |
| 12 | 0.5406 | 0.4756 | 0.5121 | 0.4006 | 0.3094 | 0.3519 | 0.2667 | |
| | 4.4352 | 5.0324 | 4.6717 | 5.6703 | 5.6000 | 5.3520 | 7.3131 | |
| 13 | 0.4595 | 0.4560 | 0.4485 | 0.4594 | 0.3532 | 0.2157 | 0.1330 | |
| | 5.0925 | 5.1597 | 5.2939 | 4.9872 | 5.3430 | 6.8060 | *12.7932 | |
| 14 | 0.4173 | 0.4690 | 0.4668 | 0.4261 | 0.2683 | 0.1334 | | |
| | 4.8780 | 4.9289 | 5.0783 | 5.6076 | 7.2820 | *12.7711 | | |
| 15 | 0.2236 | 0.2345 | 0.2449 | 0.2135 | F-SUB-Q | | | |
| | 8.1792 | 8.7279 | 8.6036 | *10.0924 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7700 | 0.8163 | 0.8832 | 1.0180 | 1.3111 | 1.1220 | 1.1207 | 0.5857 |
| | 2.1613 | 2.6859 | 2.8076 | 2.4476 | 1.8996 | 2.1801 | 1.9664 | 3.5219 |
| 9 | 0.8163 | 1.0735 | 1.0292 | 1.2656 | 1.0876 | 1.1086 | 1.2284 | 0.6154 |
| | 2.6859 | 2.2140 | 2.3962 | 1.9680 | 2.2899 | 2.1926 | 1.9670 | 3.5071 |
| 10 | 0.8832 | 1.0294 | 0.8180 | 0.9563 | 1.2459 | 1.0869 | 1.2101 | 0.5333 |
| | 2.8076 | 2.3957 | 2.8702 | 2.5699 | 1.9966 | 2.2645 | 2.0390 | 4.1640 |
| 11 | 1.0180 | 1.2660 | 0.9570 | 1.1462 | 0.8970 | 1.1279 | 1.0854 | 0.4931 |
| | 2.4476 | 1.9675 | 2.5683 | 2.0642 | 2.6087 | 2.0980 | 2.2609 | 4.5308 |
| 12 | 1.3111 | 1.0880 | 1.2475 | 0.8987 | 0.7448 | 0.9040 | 0.6468 | |
| | 1.8996 | 2.2891 | 1.9941 | 2.6048 | 2.3623 | 2.1382 | 3.1118 | |
| 13 | 1.1220 | 1.1099 | 1.0903 | 1.1335 | 0.9072 | 0.5230 | 0.3078 | |
| | 2.1801 | 2.1931 | 2.2573 | 2.0930 | 2.1349 | 2.8854 | 5.6997 | |
| 14 | 1.1207 | 1.2290 | 1.2159 | 1.0935 | 0.6505 | 0.3087 | | |
| | 1.9664 | 1.9704 | 2.0299 | 2.2472 | 3.0988 | 5.6903 | | |
| 15 | 0.5857 | 0.5511 | 0.5929 | 0.5031 | F-SUB-Q | | | |
| | 3.5219 | 3.9264 | 3.7174 | 4.4459 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9401 | 1.0201 | 1.1108 | 1.2686 | 1.5735 | 1.4092 | 1.5003 | 0.7843 |
| | 1.9140 | 2.2488 | 2.3142 | 2.0279 | 1.6358 | 1.7809 | 1.6688 | 2.8691 |
| 9 | 1.0201 | 1.2979 | 1.2861 | 1.5096 | 1.3492 | 1.4085 | 1.5023 | 0.7846 |
| | 2.2488 | 1.9281 | 1.9905 | 1.7037 | 1.9050 | 1.7944 | 1.6803 | 2.8781 |
| 10 | 1.1108 | 1.2862 | 1.0753 | 1.1934 | 1.4668 | 1.3699 | 1.4819 | 0.6812 |
| | 2.3142 | 1.9901 | 2.3440 | 2.1349 | 1.7476 | 1.8541 | 1.7203 | 3.3836 |
| 11 | 1.2686 | 1.5101 | 1.1943 | 1.3620 | 1.1093 | 1.3322 | 1.3386 | 0.6187 |
| | 2.0279 | 1.7032 | 2.1334 | 1.7978 | 2.1740 | 1.8395 | 1.8968 | 3.7200 |
| 12 | 1.5735 | 1.3496 | 1.4689 | 1.1121 | 0.9225 | 1.1021 | 0.8059 | |
| | 1.6358 | 1.9043 | 1.7451 | 2.1706 | 1.9725 | 1.8100 | 2.5651 | |
| 13 | 1.4092 | 1.4082 | 1.3745 | 1.3395 | 1.1064 | 0.6479 | 0.3865 | |
| | 1.7809 | 1.7948 | 1.8479 | 1.8345 | 1.8072 | 2.3967 | 4.6660 | |
| 14 | 1.5003 | 1.5000 | 1.4881 | 1.3489 | 0.8106 | 0.3876 | | |
| | 1.6688 | 1.6829 | 1.7135 | 1.8844 | 2.5539 | 4.6581 | | |
| 15 | 0.7843 | 0.7127 | 0.7482 | 0.6328 | F-SUB-Q | | | |
| | 2.8691 | 3.1703 | 3.0578 | 3.6408 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0762 | 1.1301 | 1.2332 | 1.4150 | 1.8101 | 1.6084 | 1.7725 | 0.8873 |
| | 1.7358 | 2.1019 | 2.1640 | 1.8839 | 1.4730 | 1.6347 | 1.4889 | 2.6927 |
| 9 | 1.1301 | 1.4966 | 1.4473 | 1.7356 | 1.5082 | 1.5988 | 1.7612 | 0.8811 |
| | 2.1019 | 1.7477 | 1.8395 | 1.5355 | 1.7661 | 1.6493 | 1.4999 | 2.7080 |
| 10 | 1.2332 | 1.4475 | 1.2142 | 1.3353 | 1.6851 | 1.5467 | 1.7115 | 0.7513 |
| | 2.1640 | 1.8392 | 2.1813 | 1.9828 | 1.5744 | 1.7000 | 1.5426 | 3.1918 |
| 11 | 1.4150 | 1.7361 | 1.3364 | 1.5718 | 1.2356 | 1.5411 | 1.5443 | 0.6774 |
| | 1.8839 | 1.5350 | 1.9814 | 1.6226 | 2.0196 | 1.6508 | 1.6996 | 3.5152 |
| 12 | 1.8101 | 1.5087 | 1.6875 | 1.2381 | 1.0262 | 1.2654 | 0.8867 | |
| | 1.4730 | 1.7655 | 1.5721 | 2.0164 | 1.8201 | 1.6318 | 2.4134 | |
| 13 | 1.6084 | 1.5986 | 1.5519 | 1.5495 | 1.2702 | 0.7126 | 0.4192 | |
| | 1.6347 | 1.6496 | 1.6941 | 1.6462 | 1.6291 | 2.2575 | 4.4555 | |
| 14 | 1.7725 | 1.7585 | 1.7184 | 1.5563 | 0.8919 | 0.4203 | | |
| | 1.4889 | 1.5022 | 1.5365 | 1.6864 | 2.4025 | 4.4479 | | |
| 15 | 0.8873 | 0.7965 | 0.8250 | 0.6926 | F-SUB-Q | | | |
| | 2.6927 | 2.9974 | 2.8839 | 3.4411 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1374 | 1.1790 | 1.2918 | 1.4801 | 1.9208 | 1.6956 | 1.9027 | 0.9410 |
| | 1.7137 | 2.1090 | 2.1566 | 1.8756 | 1.4466 | 1.6230 | 1.4527 | 2.6697 |
| 9 | 1.1790 | 1.5828 | 1.5147 | 1.8408 | 1.5795 | 1.6819 | 1.8877 | 0.9353 |
| | 2.1090 | 1.7297 | 1.8361 | 1.5074 | 1.7560 | 1.6392 | 1.4634 | 2.6791 |
| 10 | 1.2918 | 1.5149 | 1.2670 | 1.3998 | 1.7912 | 1.6285 | 1.8256 | 0.7957 |
| | 2.1566 | 1.8358 | 2.1909 | 1.9716 | 1.5391 | 1.6789 | 1.5044 | 3.1512 |
| 11 | 1.4801 | 1.8413 | 1.4009 | 1.6697 | 1.3020 | 1.6511 | 1.6519 | 0.7143 |
| | 1.8756 | 1.5069 | 1.9701 | 1.5974 | 2.0110 | 1.6121 | 1.6374 | 3.4594 |
| 12 | 1.9208 | 1.5799 | 1.7937 | 1.3053 | 1.0772 | 1.3529 | 0.9384 | |
| | 1.4466 | 1.7553 | 1.5368 | 2.0077 | 1.8121 | 1.6009 | 2.3847 | |
| 13 | 1.6956 | 1.6816 | 1.6339 | 1.6600 | 1.3580 | 0.7496 | 0.4383 | |
| | 1.6230 | 1.6394 | 1.6729 | 1.6076 | 1.5982 | 2.2495 | 4.4651 | |
| 14 | 1.9027 | 1.8843 | 1.8340 | 1.6645 | 0.9438 | 0.4395 | | |
| | 1.4527 | 1.4659 | 1.4972 | 1.6242 | 2.3742 | 4.4576 | | |
| 15 | 0.9410 | 0.8472 | 0.8717 | 0.7299 | F-SUB-Q | | | |
| | 2.6697 | 2.9599 | 2.8527 | 3.3871 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1646 | 1.2032 | 1.3175 | 1.5056 | 1.9653 | 1.7304 | 1.9611 | 0.9683 |
| | 1.7655 | 2.1891 | 2.2165 | 1.9214 | 1.4754 | 1.6640 | 1.4759 | 2.7223 |
| 9 | 1.2032 | 1.6150 | 1.5392 | 1.8836 | 1.6071 | 1.7158 | 1.9452 | 0.9641 |
| | 2.1891 | 1.7826 | 1.8952 | 1.5365 | 1.7972 | 1.6801 | 1.4856 | 2.7259 |
| 10 | 1.3175 | 1.5394 | 1.2893 | 1.4261 | 1.8382 | 1.6649 | 1.8808 | 0.8226 |
| | 2.2165 | 1.8948 | 2.2627 | 2.0205 | 1.5549 | 1.7047 | 1.5185 | 3.1873 |
| 11 | 1.5056 | 1.8841 | 1.4273 | 1.7131 | 1.3409 | 1.7067 | 1.7060 | 0.7385 |
| | 1.9214 | 1.5360 | 2.0187 | 1.6365 | 2.0667 | 1.6385 | 1.6374 | 3.4489 |
| 12 | 1.9653 | 1.6075 | 1.8408 | 1.3442 | 1.1066 | 1.4001 | 0.9712 | |
| | 1.4754 | 1.7964 | 1.5523 | 2.0632 | 1.8722 | 1.6397 | 2.4321 | |
| 13 | 1.7304 | 1.7156 | 1.6703 | 1.7157 | 1.4053 | 0.7745 | 0.4512 | |
| | 1.6640 | 1.6801 | 1.6979 | 1.6291 | 1.6369 | 2.3187 | 4.6099 | |
| 14 | 1.9611 | 1.9419 | 1.8894 | 1.7186 | 0.9766 | 0.4524 | | |
| | 1.4759 | 1.4880 | 1.5104 | 1.6246 | 2.4214 | 4.6021 | | |
| 15 | 0.9683 | 0.8768 | 0.8988 | 0.7548 | F-SUB-Q | | | |
| | 2.7223 | 2.9994 | 2.8931 | 3.3745 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1967 | 1.2077 | 1.3239 | 1.5197 | 2.0018 | 1.7539 | 2.0086 | 0.9769 |
| | 1.8343 | 2.2910 | 2.2958 | 1.9828 | 1.5042 | 1.7081 | 1.5033 | 2.8219 |
| 9 | 1.2077 | 1.6427 | 1.5552 | 1.9188 | 1.6236 | 1.7399 | 1.9928 | 0.9721 |
| | 2.2910 | 1.8465 | 1.9519 | 1.5699 | 1.8519 | 1.7205 | 1.5089 | 2.8229 |
| 10 | 1.3239 | 1.5555 | 1.2954 | 1.4419 | 1.8786 | 1.6926 | 1.9285 | 0.8283 |
| | 2.2958 | 1.9515 | 2.3426 | 2.0802 | 1.5879 | 1.7440 | 1.5376 | 3.2775 |
| 11 | 1.5197 | 1.9193 | 1.4430 | 1.7537 | 1.3599 | 1.7567 | 1.7541 | 0.7438 |
| | 1.9828 | 1.5694 | 2.0783 | 1.6843 | 2.1410 | 1.6698 | 1.6691 | 3.5786 |
| 12 | 2.0018 | 1.6240 | 1.8812 | 1.3632 | 1.1390 | 1.4454 | 0.9863 | |
| | 1.5042 | 1.8512 | 1.5853 | 2.1374 | 1.9520 | 1.6950 | 2.5448 | |
| 13 | 1.7539 | 1.7395 | 1.6980 | 1.7658 | 1.4506 | 0.7927 | 0.4565 | |
| | 1.7081 | 1.7202 | 1.7374 | 1.6605 | 1.6921 | 2.4401 | 4.8717 | |
| 14 | 2.0086 | 1.9896 | 1.9371 | 1.7668 | 0.9916 | 0.4576 | | |
| | 1.5033 | 1.5108 | 1.5297 | 1.6564 | 2.5335 | 4.8635 | | |
| 15 | 0.9769 | 0.8829 | 0.9068 | 0.7598 | F-SUB-Q | | | |
| | 2.8219 | 3.1099 | 2.9676 | 3.5035 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2207 | 1.2087 | 1.3213 | 1.5180 | 2.0091 | 1.7558 | 2.0235 | 0.9778 |
| | 1.9465 | 2.4450 | 2.4451 | 2.1076 | 1.5875 | 1.7940 | 1.5649 | 2.9490 |
| 9 | 1.2087 | 1.6483 | 1.5544 | 1.9263 | 1.6225 | 1.7434 | 2.0082 | 0.9736 |
| | 2.4450 | 1.9634 | 2.0747 | 1.6604 | 1.9662 | 1.8082 | 1.5738 | 2.9524 |
| 10 | 1.3213 | 1.5548 | 1.2933 | 1.4428 | 1.8911 | 1.6997 | 1.9463 | 0.8303 |
| | 2.4451 | 2.0741 | 2.4920 | 2.2110 | 1.6776 | 1.8415 | 1.6125 | 3.4505 |
| 11 | 1.5180 | 1.9268 | 1.4439 | 1.7697 | 1.3691 | 1.7804 | 1.7764 | 0.7467 |
| | 2.1076 | 1.6598 | 2.2090 | 1.7831 | 2.2721 | 1.7591 | 1.7578 | 3.7904 |
| 12 | 2.0091 | 1.6229 | 1.8937 | 1.3724 | 1.1667 | 1.4729 | 0.9967 | |
| | 1.5875 | 1.9655 | 1.6749 | 2.2680 | 2.0672 | 1.7839 | 2.6876 | |
| 13 | 1.7558 | 1.7431 | 1.7051 | 1.7895 | 1.4780 | 0.8096 | 0.4608 | |
| | 1.7940 | 1.8081 | 1.8347 | 1.7494 | 1.7808 | 2.5974 | 5.1896 | |
| 14 | 2.0235 | 2.0051 | 1.9552 | 1.7891 | 1.0020 | 0.4620 | | |
| | 1.5649 | 1.5759 | 1.6040 | 1.7446 | 2.6759 | 5.1807 | | |
| 15 | 0.9778 | 0.8845 | 0.9095 | 0.7627 | F-SUB-Q | | | |
| | 2.9490 | 3.2525 | 3.1230 | 3.7114 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2357 | 1.2091 | 1.3153 | 1.5141 | 2.0154 | 1.7548 | 2.0352 | 0.9735 |
| | 2.1194 | 2.6701 | 2.6655 | 2.2890 | 1.7094 | 1.9301 | 1.6704 | 3.1751 |
| 9 | 1.2091 | 1.6551 | 1.5533 | 1.9334 | 1.6193 | 1.7437 | 2.0205 | 0.9679 |
| | 2.6701 | 2.1306 | 2.2527 | 1.7924 | 2.1327 | 1.9458 | 1.6814 | 3.1853 |
| 10 | 1.3153 | 1.5537 | 1.2882 | 1.4416 | 1.9027 | 1.7040 | 1.9619 | 0.8265 |
| | 2.6655 | 2.2521 | 2.7111 | 2.4022 | 1.8080 | 1.9862 | 1.7274 | 3.7340 |
| 11 | 1.5141 | 1.9339 | 1.4428 | 1.7851 | 1.3722 | 1.8014 | 1.7959 | 0.7450 |
| | 2.2890 | 1.7918 | 2.4002 | 1.9179 | 2.4572 | 1.8906 | 1.8888 | 4.1145 |
| 12 | 2.0154 | 1.6196 | 1.9053 | 1.3754 | 1.1831 | 1.4957 | 1.0009 | |
| | 1.7094 | 2.1320 | 1.8053 | 2.4531 | 2.2399 | 1.9182 | 2.9145 | |
| 13 | 1.7548 | 1.7434 | 1.7094 | 1.8105 | 1.5007 | 0.8197 | 0.4629 | |
| | 1.9301 | 1.9458 | 1.9790 | 1.8805 | 1.9149 | 2.8237 | 5.6418 | |
| 14 | 2.0352 | 2.0175 | 1.9715 | 1.8085 | 1.0060 | 0.4640 | | |
| | 1.6704 | 1.6837 | 1.7184 | 1.8748 | 2.9021 | 5.6323 | | |
| 15 | 0.9735 | 0.8798 | 0.9068 | 0.7605 | F-SUB-Q | | | |
| | 3.1752 | 3.5077 | 3.3749 | 4.0309 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2217 | 1.2023 | 1.3097 | 1.4930 | 1.9798 | 1.7281 | 2.0014 | 0.9714 |
| | 2.3765 | 2.9760 | 2.9640 | 2.5630 | 1.9188 | 2.1505 | 1.8626 | 3.4833 |
| 9 | 1.2023 | 1.6278 | 1.5312 | 1.8992 | 1.5960 | 1.7188 | 1.9879 | 0.9704 |
| | 2.9760 | 2.3753 | 2.5302 | 2.0170 | 2.3886 | 2.1687 | 1.8755 | 3.4798 |
| 10 | 1.3097 | 1.5316 | 1.2832 | 1.4269 | 1.8734 | 1.6830 | 1.9345 | 0.8338 |
| | 2.9640 | 2.5294 | 3.0206 | 2.6860 | 2.0300 | 2.2175 | 1.9300 | 4.0673 |
| 11 | 1.4930 | 1.8998 | 1.4280 | 1.7623 | 1.3754 | 1.7832 | 1.7773 | 0.7540 |
| | 2.5630 | 2.0164 | 2.6835 | 2.1267 | 2.7099 | 2.0955 | 2.1086 | 4.4678 |
| 12 | 1.9798 | 1.5963 | 1.8759 | 1.3786 | 1.1862 | 1.4879 | 1.0126 | |
| | 1.9188 | 2.3877 | 2.0264 | 2.7054 | 2.4999 | 2.1401 | 3.1676 | |
| 13 | 1.7281 | 1.7186 | 1.6884 | 1.7922 | 1.4928 | 0.8309 | 0.4703 | |
| | 2.1505 | 2.1688 | 2.2093 | 2.0855 | 2.1363 | 3.1127 | 6.1777 | |
| 14 | 2.0014 | 1.9851 | 1.9440 | 1.7897 | 1.0177 | 0.4714 | | |
| | 1.8626 | 1.8781 | 1.9200 | 2.0927 | 3.1539 | 6.1669 | | |
| 15 | 0.9714 | 0.8863 | 0.9110 | 0.7688 | F-SUB-Q | | | |
| | 3.4833 | 3.8140 | 3.6916 | 4.3812 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2438 | 1.2031 | 1.3021 | 1.4945 | 1.9993 | 1.7334 | 2.0262 | 0.9613 |
| | 2.6142 | 3.3050 | 3.2706 | 2.8023 | 2.0776 | 2.3438 | 2.0130 | 3.8381 |
| 9 | 1.2031 | 1.6510 | 1.5395 | 1.9215 | 1.5989 | 1.7256 | 2.0137 | 0.9582 |
| | 3.3050 | 2.6178 | 2.7636 | 2.1840 | 2.6081 | 2.3616 | 2.0259 | 3.8424 |
| 10 | 1.3021 | 1.5400 | 1.2760 | 1.4291 | 1.9000 | 1.6959 | 1.9659 | 0.8213 |
| | 3.2706 | 2.7627 | 3.3336 | 2.9439 | 2.1975 | 2.4110 | 2.0807 | 4.5008 |
| 11 | 1.4945 | 1.9220 | 1.4303 | 1.7934 | 1.3759 | 1.8215 | 1.8127 | 0.7436 |
| | 2.8023 | 2.1833 | 2.9413 | 2.3381 | 3.0035 | 2.2789 | 2.2724 | 4.9556 |
| 12 | 1.9993 | 1.5992 | 1.9027 | 1.3790 | 1.2023 | 1.5239 | 1.0124 | |
| | 2.0777 | 2.6073 | 2.1936 | 2.9982 | 2.7468 | 2.3332 | 3.5413 | |
| 13 | 1.7334 | 1.7255 | 1.7013 | 1.8305 | 1.5288 | 0.8370 | 0.4698 | |
| | 2.3438 | 2.3614 | 2.4023 | 2.2662 | 2.3292 | 3.4698 | 6.9147 | |
| 14 | 2.0262 | 2.0110 | 1.9757 | 1.8250 | 1.0174 | 0.4709 | | |
| | 2.0130 | 2.0284 | 2.0697 | 2.2555 | 3.5263 | 6.9032 | | |
| 15 | 0.9613 | 0.8717 | 0.9012 | 0.7590 | F-SUB-Q | | | |
| | 3.8381 | 4.2278 | 4.0673 | 4.8539 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2633 | 1.2102 | 1.3001 | 1.4880 | 1.9930 | 1.7244 | 2.0222 | 0.9558 |
| | 2.6691 | 3.3654 | 3.5433 | 3.0546 | 2.2887 | 2.5900 | 2.2168 | 4.2316 |
| 9 | 1.2102 | 1.6584 | 1.5383 | 1.9194 | 1.5918 | 1.7184 | 2.0113 | 0.9541 |
| | 3.3654 | 2.6656 | 3.0074 | 2.3891 | 2.8580 | 2.6091 | 2.2305 | 4.2311 |
| 10 | 1.3001 | 1.5388 | 1.2747 | 1.4282 | 1.9045 | 1.6961 | 1.9715 | 0.8199 |
| | 3.5433 | 3.0063 | 3.6237 | 3.2251 | 2.4154 | 2.6626 | 2.2892 | 4.9534 |
| 11 | 1.4880 | 1.9199 | 1.4294 | 1.8078 | 1.3855 | 1.8406 | 1.8289 | 0.7456 |
| | 3.0546 | 2.3883 | 3.2224 | 2.4271 | 3.1369 | 2.4131 | 2.4742 | 5.4608 |
| 12 | 1.9930 | 1.5921 | 1.9073 | 1.3885 | 1.2264 | 1.5531 | 1.0267 | |
| | 2.2887 | 2.8573 | 2.4114 | 3.1320 | 2.9223 | 2.4835 | 3.7690 | |
| 13 | 1.7244 | 1.7187 | 1.7015 | 1.8496 | 1.5579 | 0.8584 | 0.4790 | |
| | 2.5900 | 2.6087 | 2.6522 | 2.4065 | 2.4792 | 3.7103 | 7.4458 | |
| 14 | 2.0222 | 2.0088 | 1.9814 | 1.8413 | 1.0316 | 0.4800 | | |
| | 2.2168 | 2.2330 | 2.2769 | 2.4591 | 3.7530 | 7.4333 | | |
| 15 | 0.9558 | 0.8681 | 0.8999 | 0.7612 | F-SUB-Q | | | |
| | 4.2316 | 4.6549 | 4.4746 | 5.3479 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3014 | 1.2241 | 1.3029 | 1.4746 | 1.9674 | 1.7045 | 1.9953 | 0.9536 |
| | 2.7070 | 3.4022 | 3.4196 | 2.9711 | 2.2311 | 2.5478 | 2.2013 | 4.1652 |
| 9 | 1.2241 | 1.6568 | 1.5301 | 1.8975 | 1.5766 | 1.7019 | 1.9866 | 0.9546 |
| | 3.4022 | 2.7033 | 2.9255 | 2.3311 | 2.7810 | 2.5724 | 2.2196 | 4.1577 |
| 10 | 1.3029 | 1.5307 | 1.2782 | 1.4233 | 1.8919 | 1.6869 | 1.9569 | 0.8268 |
| | 3.4196 | 2.9243 | 3.4970 | 3.1318 | 2.3804 | 2.6449 | 2.2961 | 4.8775 |
| 11 | 1.4746 | 1.8981 | 1.4245 | 1.8141 | 1.4066 | 1.8480 | 1.8326 | 0.7578 |
| | 2.9711 | 2.3304 | 3.1291 | 2.4574 | 3.1641 | 2.4414 | 2.5000 | 5.4265 |
| 12 | 1.9674 | 1.5768 | 1.8946 | 1.4097 | 1.2765 | 1.5939 | 1.0569 | |
| | 2.2311 | 2.7803 | 2.3771 | 3.1591 | 2.9535 | 2.5136 | 3.7549 | |
| 13 | 1.7045 | 1.7040 | 1.6925 | 1.8569 | 1.5979 | 0.9097 | 0.4998 | |
| | 2.5478 | 2.5722 | 2.6355 | 2.4346 | 2.5091 | 3.7093 | 7.4228 | |
| 14 | 1.9953 | 1.9842 | 1.9668 | 1.8448 | 1.0618 | 0.5008 | | |
| | 2.2013 | 2.2221 | 2.2845 | 2.4846 | 3.7390 | 7.4103 | | |
| 15 | 0.9536 | 0.8730 | 0.9050 | 0.7724 | F-SUB-Q | | | |
| | 4.1652 | 4.5486 | 4.4225 | 5.3252 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4508 | 1.2681 | 1.3041 | 1.4808 | 1.9890 | 1.7111 | 2.0202 | 0.9438 |
| | 2.5643 | 3.2304 | 3.3324 | 2.8767 | 2.1422 | 2.4592 | 2.1060 | 4.0727 |
| 9 | 1.2681 | 1.7052 | 1.5491 | 1.9250 | 1.5836 | 1.7152 | 2.0136 | 0.9426 |
| | 3.2304 | 2.5538 | 2.8218 | 2.2364 | 2.6912 | 2.4820 | 2.1233 | 4.0771 |
| 10 | 1.3041 | 1.5497 | 1.2793 | 1.4389 | 1.9305 | 1.7081 | 1.9958 | 0.8161 |
| | 3.3324 | 2.8207 | 3.4102 | 3.0336 | 2.2821 | 2.5488 | 2.1943 | 4.8029 |
| 11 | 1.4808 | 1.9255 | 1.4402 | 1.8777 | 1.4377 | 1.9132 | 1.8890 | 0.7517 |
| | 2.8767 | 2.2358 | 3.0310 | 2.3466 | 3.0437 | 2.3364 | 2.3907 | 5.3528 |
| 12 | 1.9890 | 1.5838 | 1.9332 | 1.4401 | 1.4083 | 1.7188 | 1.0826 | |
| | 2.1422 | 2.6905 | 2.2789 | 3.0395 | 2.8430 | 2.4013 | 3.6472 | |
| 13 | 1.7111 | 1.7175 | 1.7135 | 1.9222 | 1.7228 | 0.9985 | 0.5176 | |
| | 2.4592 | 2.4818 | 2.5400 | 2.3314 | 2.3976 | 3.5967 | 7.1747 | |
| 14 | 2.0202 | 2.0114 | 2.0059 | 1.9013 | 1.0873 | 0.5186 | | |
| | 2.1060 | 2.1256 | 2.1833 | 2.3771 | 3.6330 | 7.1638 | | |
| 15 | 0.9438 | 0.8590 | 0.8974 | 0.7671 | F-SUB-Q | | | |
| | 4.0727 | 4.4759 | 4.3356 | 5.2465 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6763 | 1.3325 | 1.3066 | 1.4792 | 1.9900 | 1.7061 | 2.0221 | 0.9365 |
| | 2.3269 | 2.9424 | 3.0663 | 2.6649 | 1.9930 | 2.3004 | 1.9656 | 3.8005 |
| 9 | 1.3325 | 1.7384 | 1.5576 | 1.9318 | 1.5814 | 1.7165 | 2.0178 | 0.9343 |
| | 2.9424 | 2.3203 | 2.5908 | 2.0674 | 2.5003 | 2.3195 | 1.9799 | 3.8080 |
| 10 | 1.3066 | 1.5583 | 1.2829 | 1.4468 | 1.9538 | 1.7215 | 2.0120 | 0.8121 |
| | 3.0663 | 2.5898 | 3.1375 | 2.7985 | 2.1123 | 2.3705 | 2.0366 | 4.4669 |
| 11 | 1.4792 | 1.9323 | 1.4481 | 1.9241 | 1.4731 | 1.9574 | 1.9256 | 0.7536 |
| | 2.6649 | 2.0669 | 2.7962 | 2.1333 | 2.7766 | 2.1217 | 2.1706 | 4.9421 |
| 12 | 1.9900 | 1.5817 | 1.9572 | 1.4754 | 1.5305 | 1.8409 | 1.1127 | |
| | 1.9930 | 2.4999 | 2.1097 | 2.7727 | 2.5860 | 2.1770 | 3.3344 | |
| 13 | 1.7061 | 1.7188 | 1.7290 | 1.9664 | 1.8445 | 1.0885 | 0.5389 | |
| | 2.3004 | 2.3194 | 2.3628 | 2.1157 | 2.1736 | 3.2887 | 6.5922 | |
| 14 | 2.0221 | 2.0157 | 2.0221 | 1.9379 | 1.1175 | 0.5399 | | |
| | 1.9656 | 1.9820 | 2.0271 | 2.1582 | 3.3211 | 6.5821 | | |
| 15 | 0.9365 | 0.8520 | 0.8945 | 0.7688 | F-SUB-Q | | | |
| | 3.8005 | 4.1768 | 4.0272 | 4.8475 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7526 | 1.3736 | 1.3079 | 1.4712 | 1.9790 | 1.6931 | 2.0089 | 0.9295 |
| | 2.1413 | 2.7082 | 2.7774 | 2.4232 | 1.8104 | 2.0952 | 1.7876 | 3.4644 |
| 9 | 1.3736 | 1.7621 | 1.5578 | 1.9247 | 1.5724 | 1.7085 | 2.0065 | 0.9305 |
| | 2.7082 | 2.1328 | 2.3495 | 1.8766 | 2.2741 | 2.1117 | 1.7996 | 3.4602 |
| 10 | 1.3079 | 1.5585 | 1.2836 | 1.4464 | 1.9653 | 1.7267 | 2.0105 | 0.8109 |
| | 2.7774 | 2.3484 | 2.8422 | 2.5407 | 1.9164 | 2.1522 | 1.8466 | 4.0548 |
| 11 | 1.4712 | 1.9253 | 1.4477 | 1.9473 | 1.4910 | 1.9771 | 1.9409 | 0.7569 |
| | 2.4232 | 1.8761 | 2.5387 | 1.9599 | 2.5547 | 1.9513 | 1.9926 | 4.4752 |
| 12 | 1.9790 | 1.5726 | 1.9686 | 1.4933 | 1.5996 | 1.9048 | 1.1365 | |
| | 1.8104 | 2.2737 | 1.9140 | 2.5510 | 2.3876 | 2.0074 | 3.0650 | |
| 13 | 1.6931 | 1.7109 | 1.7342 | 1.9862 | 1.9083 | 1.1401 | 0.5555 | |
| | 2.0952 | 2.1115 | 2.1451 | 1.9436 | 2.0040 | 3.0367 | 6.0969 | |
| 14 | 2.0089 | 2.0068 | 2.0210 | 1.9532 | 1.1412 | 0.5565 | | |
| | 1.7876 | 1.8014 | 1.8377 | 1.9810 | 3.0528 | 6.0873 | | |
| 15 | 0.9295 | 0.8484 | 0.8928 | 0.7723 | F-SUB-Q | | | |
| | 3.4644 | 3.7961 | 3.6569 | 4.3881 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7574 | 1.3792 | 1.3043 | 1.4527 | 1.9447 | 1.6668 | 1.9720 | 0.9220 |
| | 2.1475 | 2.7068 | 2.7490 | 2.4195 | 1.8145 | 2.0980 | 1.7941 | 3.4472 |
| 9 | 1.3792 | 1.7542 | 1.5422 | 1.8942 | 1.5514 | 1.6855 | 1.9713 | 0.9255 |
| | 2.7068 | 2.1397 | 2.3419 | 1.8790 | 2.2722 | 2.1136 | 1.8053 | 3.4339 |
| 10 | 1.3043 | 1.5429 | 1.2844 | 1.4353 | 1.9447 | 1.7116 | 1.9820 | 0.8119 |
| | 2.7490 | 2.3408 | 2.8128 | 2.5326 | 1.9178 | 2.1473 | 1.8473 | 3.9998 |
| 11 | 1.4527 | 1.8947 | 1.4365 | 1.9331 | 1.4865 | 1.9619 | 1.9255 | 0.7619 |
| | 2.4195 | 1.8785 | 2.5303 | 1.9675 | 2.5561 | 1.9594 | 1.9963 | 4.3953 |
| 12 | 1.9447 | 1.5517 | 1.9480 | 1.4888 | 1.6111 | 1.9102 | 1.1504 | |
| | 1.8145 | 2.2718 | 1.9153 | 2.5524 | 2.3917 | 2.0149 | 3.0348 | |
| 13 | 1.6668 | 1.6880 | 1.7191 | 1.9709 | 1.9136 | 1.1630 | 0.5658 | |
| | 2.0980 | 2.1133 | 2.1401 | 1.9510 | 2.0115 | 3.0132 | 6.0506 | |
| 14 | 1.9720 | 1.9741 | 1.9925 | 1.9377 | 1.1551 | 0.5668 | | |
| | 1.7941 | 1.8070 | 1.8380 | 1.9841 | 3.0225 | 6.0409 | | |
| 15 | 0.9220 | 0.8475 | 0.8916 | 0.7764 | F-SUB-Q | | | |
| | 3.4472 | 3.7513 | 3.6167 | 4.3153 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7769 | 1.3818 | 1.2863 | 1.4427 | 1.9470 | 1.6568 | 1.9758 | 0.9008 |
| | 1.9672 | 2.5038 | 2.5642 | 2.2428 | 1.6683 | 1.9446 | 1.6492 | 3.2554 |
| 9 | 1.3818 | 1.7706 | 1.5398 | 1.8995 | 1.5415 | 1.6784 | 1.9780 | 0.9003 |
| | 2.5038 | 1.9495 | 2.1569 | 1.7237 | 2.1054 | 1.9575 | 1.6583 | 3.2570 |
| 10 | 1.2863 | 1.5406 | 1.2635 | 1.4296 | 1.9554 | 1.7111 | 1.9920 | 0.7882 |
| | 2.5642 | 2.1558 | 2.6267 | 2.3417 | 1.7574 | 1.9810 | 1.6908 | 3.7988 |
| 11 | 1.4427 | 1.9001 | 1.4308 | 1.9467 | 1.4835 | 1.9785 | 1.9410 | 0.7401 |
| | 2.2428 | 1.7232 | 2.3397 | 1.7908 | 2.3507 | 1.7796 | 1.8112 | 4.1670 |
| 12 | 1.9470 | 1.5417 | 1.9588 | 1.4858 | 1.6224 | 1.9358 | 1.1323 | |
| | 1.6683 | 2.1050 | 1.7551 | 2.3472 | 2.2010 | 1.8475 | 2.8515 | |
| 13 | 1.6568 | 1.6809 | 1.7186 | 1.9876 | 1.9392 | 1.1524 | 0.5552 | |
| | 1.9446 | 1.9572 | 1.9742 | 1.7717 | 1.8445 | 2.8255 | 5.7474 | |
| 14 | 1.9758 | 1.9810 | 2.0028 | 1.9533 | 1.1370 | 0.5561 | | |
| | 1.6492 | 1.6598 | 1.6821 | 1.8002 | 2.8392 | 5.7382 | | |
| 15 | 0.9008 | 0.8217 | 0.8702 | 0.7550 | F-SUB-Q | | | |
| | 3.2554 | 3.5694 | 3.4164 | 4.0866 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7457 | 1.3577 | 1.2606 | 1.4118 | 1.9053 | 1.6207 | 1.9326 | 0.8776 |
| | 1.8301 | 2.3343 | 2.4266 | 2.1307 | 1.5849 | 1.8507 | 1.5690 | 3.1164 |
| 9 | 1.3577 | 1.7398 | 1.5109 | 1.8600 | 1.5084 | 1.6430 | 1.9362 | 0.8772 |
| | 2.3343 | 1.8289 | 2.0369 | 1.6342 | 2.0003 | 1.8601 | 1.5766 | 3.1171 |
| 10 | 1.2606 | 1.5117 | 1.2380 | 1.4001 | 1.9153 | 1.6769 | 1.9512 | 0.7682 |
| | 2.4266 | 2.0358 | 2.4842 | 2.2178 | 1.6627 | 1.8760 | 1.6013 | 3.6285 |
| 11 | 1.4118 | 1.8606 | 1.4013 | 1.9094 | 1.4537 | 1.9396 | 1.9045 | 0.7223 |
| | 2.1307 | 1.6338 | 2.2158 | 1.6885 | 2.2192 | 1.6814 | 1.7062 | 3.9622 |
| 12 | 1.9053 | 1.5086 | 1.9186 | 1.4562 | 1.5960 | 1.9040 | 1.1094 | |
| | 1.5849 | 1.9999 | 1.6603 | 2.2158 | 2.0557 | 1.7265 | 2.6856 | |
| 13 | 1.6207 | 1.6456 | 1.6844 | 1.9488 | 1.9074 | 1.1328 | 0.5438 | |
| | 1.8507 | 1.8569 | 1.8694 | 1.6738 | 1.7234 | 2.6514 | 5.4139 | |
| 14 | 1.9326 | 1.9392 | 1.9620 | 1.9170 | 1.1140 | 0.5447 | | |
| | 1.5690 | 1.5779 | 1.5928 | 1.6951 | 2.6740 | 5.4048 | | |
| 15 | 0.8776 | 0.8004 | 0.8491 | 0.7369 | F-SUB-Q | | | |
| | 3.1164 | 3.4172 | 3.2593 | 3.8850 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6571 | 1.3037 | 1.2226 | 1.3535 | 1.8080 | 1.5511 | 1.8300 | 0.8492 |
| | 1.8047 | 2.2801 | 2.3420 | 2.0871 | 1.5687 | 1.8193 | 1.5582 | 3.0365 |
| 9 | 1.3037 | 1.6538 | 1.4494 | 1.7643 | 1.4453 | 1.5721 | 1.8336 | 0.8529 |
| | 2.2801 | 1.7950 | 1.9852 | 1.6154 | 1.9603 | 1.8244 | 1.5646 | 3.0220 |
| 10 | 1.2226 | 1.4501 | 1.2034 | 1.3418 | 1.8130 | 1.6020 | 1.8505 | 0.7495 |
| | 2.3420 | 1.9841 | 2.3975 | 2.1642 | 1.6391 | 1.8354 | 1.5834 | 3.4979 |
| 11 | 1.3535 | 1.7649 | 1.3430 | 1.8117 | 1.3920 | 1.8330 | 1.8046 | 0.7058 |
| | 2.0871 | 1.6149 | 2.1622 | 1.6552 | 2.1604 | 1.6502 | 1.6699 | 3.7955 |
| 12 | 1.8080 | 1.4455 | 1.8164 | 1.3945 | 1.5284 | 1.8064 | 1.0797 | |
| | 1.5687 | 1.9599 | 1.6366 | 2.1568 | 2.0080 | 1.7027 | 2.5921 | |
| 13 | 1.5511 | 1.5747 | 1.6093 | 1.8420 | 1.8097 | 1.1038 | 0.5318 | |
| | 1.8193 | 1.8216 | 1.8288 | 1.6421 | 1.6995 | 2.5444 | 5.1921 | |
| 14 | 1.8300 | 1.8365 | 1.8609 | 1.8168 | 1.0843 | 0.5327 | | |
| | 1.5582 | 1.5659 | 1.5747 | 1.6588 | 2.5809 | 5.1834 | | |
| 15 | 0.8492 | 0.7808 | 0.8255 | 0.7197 | F-SUB-Q | | | |
| | 3.0365 | 3.3023 | 3.1528 | 3.7238 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5751 | 1.2434 | 1.1554 | 1.2877 | 1.7174 | 1.4784 | 1.7357 | 0.7964 |
| | 1.7803 | 2.2326 | 2.3435 | 2.0816 | 1.5679 | 1.8145 | 1.5615 | 3.0850 |
| 9 | 1.2434 | 1.5749 | 1.3854 | 1.6768 | 1.3765 | 1.4981 | 1.7387 | 0.7965 |
| | 2.2326 | 1.7618 | 1.9617 | 1.6106 | 1.9532 | 1.8156 | 1.5669 | 3.0822 |
| 10 | 1.1554 | 1.3862 | 1.1367 | 1.2756 | 1.7188 | 1.5247 | 1.7578 | 0.6951 |
| | 2.3435 | 1.9605 | 2.3908 | 2.1486 | 1.6289 | 1.8222 | 1.5786 | 3.5840 |
| 11 | 1.2877 | 1.6774 | 1.2767 | 1.7210 | 1.3213 | 1.7334 | 1.7099 | 0.6540 |
| | 2.0816 | 1.6101 | 2.1466 | 1.6305 | 2.1282 | 1.6369 | 1.6577 | 3.8734 |
| 12 | 1.7174 | 1.3767 | 1.7220 | 1.3237 | 1.4581 | 1.7150 | 1.0077 | |
| | 1.5679 | 1.9528 | 1.6264 | 2.1247 | 1.9857 | 1.6864 | 2.5956 | |
| 13 | 1.4784 | 1.5006 | 1.5319 | 1.7421 | 1.7182 | 1.0381 | 0.4969 | |
| | 1.8145 | 1.8128 | 1.8158 | 1.6288 | 1.6830 | 2.5658 | 5.2569 | |
| 14 | 1.7357 | 1.7416 | 1.7680 | 1.7218 | 1.0121 | 0.4977 | | |
| | 1.5615 | 1.5683 | 1.5703 | 1.6464 | 2.5837 | 5.2473 | | |
| 15 | 0.7964 | 0.7248 | 0.7708 | 0.6681 | F-SUB-Q | | | |
| | 3.0850 | 3.3884 | 3.2086 | 3.7937 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4021 | 1.1285 | 1.0426 | 1.1654 | 1.5264 | 1.3335 | 1.5356 | 0.7212 |
| | 1.8882 | 2.3320 | 2.4863 | 2.2072 | 1.6932 | 1.9339 | 1.6962 | 3.2821 |
| 9 | 1.1285 | 1.4021 | 1.2526 | 1.4900 | 1.2447 | 1.3501 | 1.5368 | 0.7205 |
| | 2.3320 | 1.8824 | 2.0743 | 1.7375 | 2.0725 | 1.9323 | 1.7015 | 3.2825 |
| 10 | 1.0426 | 1.2533 | 1.0312 | 1.1542 | 1.5258 | 1.3724 | 1.5577 | 0.6256 |
| | 2.4863 | 2.0731 | 2.5212 | 2.2684 | 1.7493 | 1.9353 | 1.7057 | 3.8284 |
| 11 | 1.1654 | 1.4905 | 1.1552 | 1.5298 | 1.1961 | 1.5343 | 1.5137 | 0.5888 |
| | 2.2072 | 1.7369 | 2.2664 | 1.7483 | 2.2403 | 1.7600 | 1.7864 | 4.1192 |
| 12 | 1.5264 | 1.2448 | 1.5286 | 1.1980 | 1.3155 | 1.5204 | 0.9086 | |
| | 1.6932 | 2.0721 | 1.7458 | 2.2368 | 2.0770 | 1.7990 | 2.7381 | |
| 13 | 1.3335 | 1.3523 | 1.3789 | 1.5390 | 1.5233 | 0.9385 | 0.4496 | |
| | 1.9339 | 1.9294 | 1.9286 | 1.7548 | 1.7959 | 2.6765 | 5.5054 | |
| 14 | 1.5356 | 1.5393 | 1.5669 | 1.5244 | 0.9125 | 0.4503 | | |
| | 1.6962 | 1.7032 | 1.6960 | 1.7739 | 2.7258 | 5.4958 | | |
| 15 | 0.7212 | 0.6548 | 0.6969 | 0.6014 | F-SUB-Q | | | |
| | 3.2821 | 3.6125 | 3.4112 | 4.0352 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 175 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1688 | 0.9038 | 0.8292 | 0.9273 | 1.2438 | 1.0501 | 1.2487 | 0.5800 |
| | 2.1829 | 2.8089 | 3.0247 | 2.6880 | 2.0127 | 2.3810 | 2.0233 | 3.9680 |
| 9 | 0.9038 | 1.1560 | 0.9965 | 1.2219 | 0.9937 | 1.0607 | 1.2484 | 0.5841 |
| | 2.8089 | 2.2037 | 2.5221 | 2.0516 | 2.5157 | 2.3820 | 2.0293 | 3.9404 |
| 10 | 0.8292 | 0.9970 | 0.8177 | 0.9251 | 1.2643 | 1.0808 | 1.2465 | 0.4994 |
| | 3.0247 | 2.5207 | 3.0760 | 2.7362 | 2.0326 | 2.3733 | 2.0566 | 4.6567 |
| 11 | 0.9273 | 1.2222 | 0.9258 | 1.2607 | 0.9576 | 1.2671 | 1.2053 | 0.4721 |
| | 2.6880 | 2.0510 | 2.7340 | 2.0427 | 2.6969 | 2.0542 | 2.1636 | 4.9746 |
| 12 | 1.2438 | 0.9938 | 1.2662 | 0.9590 | 1.0491 | 1.2218 | 0.7303 | |
| | 2.0127 | 2.5152 | 2.0296 | 2.6928 | 2.5079 | 2.1564 | 3.2910 | |
| 13 | 1.0501 | 1.0623 | 1.0857 | 1.2704 | 1.2239 | 0.7509 | 0.3595 | |
| | 2.3810 | 2.3786 | 2.3625 | 2.0489 | 2.1527 | 3.2219 | 6.6461 | |
| 14 | 1.2487 | 1.2498 | 1.2531 | 1.2133 | 0.7333 | 0.3601 | | |
| | 2.0233 | 2.0313 | 2.0462 | 2.1494 | 3.2771 | 6.6347 | | |
| 15 | 0.5800 | 0.5247 | 0.5604 | 0.4813 | F-SUB-Q | | | |
| | 3.9680 | 4.3838 | 4.1184 | 4.8836 | M-SUB-Q | | | |

AT 50% POWER, 175 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4531 | 0.3814 | 0.3588 | 0.3987 | 0.4800 | 0.4095 | 0.4511 | 0.2372 |
| | 5.4492 | 6.4419 | 6.7910 | 6.0804 | 5.0641 | 5.9268 | 5.4353 | 9.4433 |
| 9 | 0.3814 | 0.4431 | 0.3929 | 0.4683 | 0.4162 | 0.4127 | 0.4507 | 0.2382 |
| | 6.4419 | 5.5379 | 6.2068 | 5.1952 | 5.8372 | 5.9380 | 5.4531 | 9.4012 |
| 10 | 0.3588 | 0.3931 | 0.3546 | 0.3985 | 0.4845 | 0.4207 | 0.4476 | 0.2198 |
| | 6.7910 | 6.2038 | 6.8918 | 6.1631 | 5.1148 | 5.8904 | 5.5503 | *10.2959 |
| 11 | 0.3987 | 0.4684 | 0.3988 | 0.4697 | 0.4107 | 0.4810 | 0.4290 | 0.1982 |
| | 6.0804 | 5.1938 | 6.1585 | 5.3022 | 6.0881 | 5.2299 | 5.8811 | *11.5146 |
| 12 | 0.4800 | 0.4163 | 0.4852 | 0.4113 | 0.4055 | 0.4401 | 0.2956 | |
| | 5.0641 | 5.8358 | 5.1087 | 6.0788 | 6.2874 | 5.8018 | 7.8939 | |
| 13 | 0.4095 | 0.4133 | 0.4218 | 0.4823 | 0.4408 | 0.3025 | 0.1551 | |
| | 5.9268 | 5.9291 | 5.8759 | 5.2162 | 5.7915 | 7.7542 | *14.9707 | |
| 14 | 0.4511 | 0.4504 | 0.4499 | 0.4318 | 0.2968 | 0.1554 | | |
| | 5.4353 | 5.4574 | 5.5222 | 5.8423 | 7.8593 | *14.9441 | | |
| 15 | 0.2372 | 0.2276 | 0.2304 | 0.2025 | F-SUB-Q | | | |
| | 9.4434 | 9.8481 | 9.7458 | *11.2795 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3212 | 0.3586 | 0.3992 | 0.4650 | 0.5516 | 0.4612 | 0.3977 | 0.2072 |
| | 4.7995 | 5.5905 | 5.6746 | 4.9504 | 4.2339 | 4.7417 | 4.5768 | 7.5161 |
| 9 | 0.3586 | 0.4237 | 0.4205 | 0.5293 | 0.4879 | 0.4686 | 0.4733 | 0.2543 |
| | 5.5905 | 5.0452 | 5.2577 | 4.4009 | 4.7110 | 4.7929 | 4.6100 | 7.5034 |
| 10 | 0.3992 | 0.4206 | 0.3380 | 0.4352 | 0.5341 | 0.4702 | 0.4865 | 0.2409 |
| | 5.6746 | 5.2562 | 5.7819 | 5.1717 | 4.4194 | 4.8862 | 4.7429 | 8.3069 |
| 11 | 0.4650 | 0.5295 | 0.4355 | 0.4698 | 0.4279 | 0.4946 | 0.4589 | 0.2291 |
| | 4.9504 | 4.4000 | 5.1690 | 4.7716 | 5.2840 | 4.6382 | 5.0388 | 9.1142 |
| 12 | 0.5516 | 0.4881 | 0.5347 | 0.4287 | 0.3299 | 0.3905 | 0.2961 | |
| | 4.2339 | 4.7098 | 4.4154 | 5.2782 | 5.1664 | 5.0106 | 6.8012 | |
| 13 | 0.4612 | 0.4691 | 0.4711 | 0.4960 | 0.3918 | 0.2427 | 0.1539 | |
| | 4.7417 | 4.7919 | 4.8784 | 4.6228 | 5.0043 | 6.3125 | *11.5343 | |
| 14 | 0.3977 | 0.4739 | 0.4887 | 0.4617 | 0.2976 | 0.1543 | | |
| | 4.5768 | 4.6182 | 4.7272 | 5.0027 | 6.7780 | *11.5170 | | |
| 15 | 0.2072 | 0.2416 | 0.2560 | 0.2338 | F-SUB-Q | | | |
| | 7.5161 | 7.9729 | 7.8745 | 8.9273 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7525 | 0.7948 | 0.8676 | 1.0132 | 1.2930 | 1.0849 | 0.9811 | 0.4991 |
| | 2.1560 | 2.6233 | 2.7307 | 2.3731 | 1.8831 | 2.0967 | 1.9146 | 3.3359 |
| 9 | 0.7948 | 1.0059 | 0.9916 | 1.2467 | 1.0844 | 1.0959 | 1.1918 | 0.6010 |
| | 2.6233 | 2.2157 | 2.3340 | 1.9516 | 2.2148 | 2.1005 | 1.9154 | 3.3219 |
| 10 | 0.8676 | 0.9918 | 0.7325 | 0.9505 | 1.2568 | 1.1045 | 1.2221 | 0.5374 |
| | 2.7307 | 2.3335 | 2.7789 | 2.4714 | 1.9577 | 2.1489 | 1.9701 | 3.9000 |
| 11 | 1.0132 | 1.2470 | 0.9511 | 1.1475 | 0.9341 | 1.1811 | 1.1460 | 0.5256 |
| | 2.3731 | 1.9513 | 2.4701 | 2.0300 | 2.4989 | 2.0384 | 2.1021 | 4.1779 |
| 12 | 1.2930 | 1.0847 | 1.2582 | 0.9356 | 0.7720 | 0.9692 | 0.6969 | |
| | 1.8831 | 2.2143 | 1.9560 | 2.4962 | 2.2606 | 2.0738 | 2.9773 | |
| 13 | 1.0849 | 1.0972 | 1.1069 | 1.1862 | 0.9721 | 0.5670 | 0.3452 | |
| | 2.0967 | 2.1014 | 2.1434 | 2.0286 | 2.0715 | 2.7762 | 5.2905 | |
| 14 | 0.9811 | 1.1928 | 1.2279 | 1.1534 | 0.7002 | 0.3460 | | |
| | 1.9146 | 1.9191 | 1.9631 | 2.0877 | 2.9675 | 5.2830 | | |
| 15 | 0.4991 | 0.5487 | 0.6056 | 0.5356 | F-SUB-Q | | | |
| | 3.3359 | 3.6992 | 3.5114 | 4.0993 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9317 | 0.9867 | 1.0847 | 1.2597 | 1.5845 | 1.3593 | 1.3082 | 0.6846 |
| | 1.8639 | 2.2134 | 2.2787 | 1.9855 | 1.5965 | 1.7306 | 1.6049 | 2.7356 |
| 9 | 0.9867 | 1.2445 | 1.2392 | 1.5266 | 1.3421 | 1.3774 | 1.4863 | 0.7686 |
| | 2.2134 | 1.8924 | 1.9599 | 1.6591 | 1.8615 | 1.7416 | 1.6132 | 2.7374 |
| 10 | 1.0847 | 1.2394 | 0.9740 | 1.1862 | 1.5255 | 1.3841 | 1.5121 | 0.6928 |
| | 2.2787 | 1.9596 | 2.3028 | 2.0698 | 1.6729 | 1.7811 | 1.6586 | 3.1779 |
| 11 | 1.2597 | 1.5270 | 1.1870 | 1.3979 | 1.1568 | 1.4323 | 1.4167 | 0.6601 |
| | 1.9855 | 1.6588 | 2.0687 | 1.7367 | 2.0924 | 1.7365 | 1.7603 | 3.4463 |
| 12 | 1.5845 | 1.3424 | 1.5273 | 1.1592 | 0.9557 | 1.1880 | 0.8697 | |
| | 1.5965 | 1.8610 | 1.6714 | 2.0901 | 1.9137 | 1.7504 | 2.4521 | |
| 13 | 1.3593 | 1.3790 | 1.3884 | 1.4389 | 1.1917 | 0.6970 | 0.4296 | |
| | 1.7306 | 1.7424 | 1.7765 | 1.7275 | 1.7483 | 2.3268 | 4.3668 | |
| 14 | 1.3082 | 1.4874 | 1.5188 | 1.4261 | 0.8739 | 0.4306 | | |
| | 1.6049 | 1.6166 | 1.6523 | 1.7477 | 2.4438 | 4.3607 | | |
| 15 | 0.6846 | 0.7063 | 0.7591 | 0.6737 | F-SUB-Q | | | |
| | 2.7356 | 2.9963 | 2.9027 | 3.3752 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0652 | 1.0987 | 1.2082 | 1.4048 | 1.8195 | 1.5418 | 1.6719 | 0.8396 |
| | 1.7044 | 2.0870 | 2.1571 | 1.8648 | 1.4558 | 1.6069 | 1.4441 | 2.5836 |
| 9 | 1.0987 | 1.4605 | 1.4048 | 1.7561 | 1.4993 | 1.5690 | 1.7584 | 0.8693 |
| | 2.0870 | 1.7329 | 1.8359 | 1.5134 | 1.7452 | 1.6193 | 1.4524 | 2.5939 |
| 10 | 1.2082 | 1.4050 | 1.1448 | 1.3334 | 1.7508 | 1.5627 | 1.7583 | 0.7743 |
| | 2.1571 | 1.8356 | 2.1696 | 1.9415 | 1.5213 | 1.6509 | 1.4949 | 3.0196 |
| 11 | 1.4048 | 1.7564 | 1.3342 | 1.6161 | 1.2819 | 1.6509 | 1.6270 | 0.7210 |
| | 1.8648 | 1.5131 | 1.9405 | 1.5824 | 1.9574 | 1.5545 | 1.5808 | 3.2718 |
| 12 | 1.8195 | 1.4996 | 1.7528 | 1.2844 | 1.0620 | 1.3541 | 0.9518 | |
| | 1.4558 | 1.7448 | 1.5199 | 1.9551 | 1.7846 | 1.5849 | 2.3208 | |
| 13 | 1.5418 | 1.5704 | 1.5672 | 1.6583 | 1.3581 | 0.7587 | 0.4618 | |
| | 1.6069 | 1.6200 | 1.6467 | 1.5466 | 1.5830 | 2.2138 | 4.2041 | |
| 14 | 1.6719 | 1.7591 | 1.7660 | 1.6374 | 0.9562 | 0.4628 | | |
| | 1.4441 | 1.4554 | 1.4894 | 1.5695 | 2.3131 | 4.1983 | | |
| 15 | 0.8396 | 0.7885 | 0.8452 | 0.7357 | F-SUB-Q | | | |
| | 2.5836 | 2.8508 | 2.7591 | 3.2041 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1237 | 1.1483 | 1.2702 | 1.4689 | 1.9309 | 1.6605 | 1.9090 | 0.9461 |
| | 1.7023 | 2.1139 | 2.1745 | 1.8776 | 1.4502 | 1.6152 | 1.4274 | 2.5879 |
| 9 | 1.1483 | 1.5644 | 1.4813 | 1.8609 | 1.5688 | 1.6619 | 1.9089 | 0.9462 |
| | 2.1139 | 1.7342 | 1.8536 | 1.5056 | 1.7558 | 1.6280 | 1.4358 | 2.5921 |
| 10 | 1.2702 | 1.4815 | 1.2425 | 1.4033 | 1.8526 | 1.6431 | 1.8796 | 0.8281 |
| | 2.1745 | 1.8533 | 2.2024 | 1.9499 | 1.5065 | 1.6502 | 1.4736 | 3.0097 |
| 11 | 1.4689 | 1.8612 | 1.4043 | 1.7196 | 1.3461 | 1.7542 | 1.7260 | 0.7592 |
| | 1.8776 | 1.5053 | 1.9488 | 1.5747 | 1.9661 | 1.5175 | 1.5428 | 3.2345 |
| 12 | 1.9309 | 1.5691 | 1.8544 | 1.3486 | 1.1115 | 1.4305 | 0.9972 | |
| | 1.4502 | 1.7554 | 1.5051 | 1.9637 | 1.7937 | 1.5703 | 2.3152 | |
| 13 | 1.6605 | 1.6631 | 1.6475 | 1.7615 | 1.4345 | 0.7882 | 0.4776 | |
| | 1.6152 | 1.6288 | 1.6459 | 1.5101 | 1.5685 | 2.2272 | 4.2485 | |
| 14 | 1.9090 | 1.9056 | 1.8871 | 1.7365 | 1.0016 | 0.4785 | | |
| | 1.4274 | 1.4386 | 1.4681 | 1.5323 | 2.3077 | 4.2428 | | |
| 15 | 0.9461 | 0.8593 | 0.9008 | 0.7741 | F-SUB-Q | | | |
| | 2.5879 | 2.8433 | 2.7573 | 3.1690 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1444 | 1.1734 | 1.2968 | 1.4912 | 1.9730 | 1.7098 | 1.9914 | 0.9916 |
| | 1.7699 | 2.2097 | 2.2551 | 1.9433 | 1.4986 | 1.6733 | 1.4674 | 2.6663 |
| 9 | 1.1734 | 1.6006 | 1.5080 | 1.8994 | 1.5933 | 1.7031 | 1.9824 | 0.9911 |
| | 2.2097 | 1.8033 | 1.9327 | 1.5518 | 1.8156 | 1.6851 | 1.4749 | 2.6633 |
| 10 | 1.2968 | 1.5082 | 1.2762 | 1.4290 | 1.8907 | 1.6741 | 1.9314 | 0.8587 |
| | 2.2551 | 1.9324 | 2.2876 | 2.0130 | 1.5384 | 1.6946 | 1.5053 | 3.0755 |
| 11 | 1.4912 | 1.8997 | 1.4299 | 1.7592 | 1.3757 | 1.7955 | 1.7672 | 0.7806 |
| | 1.9433 | 1.5515 | 2.0117 | 1.6274 | 2.0156 | 1.5477 | 1.5727 | 3.2866 |
| 12 | 1.9730 | 1.5936 | 1.8925 | 1.3781 | 1.1317 | 1.4602 | 1.0203 | |
| | 1.4986 | 1.8152 | 1.5365 | 2.0108 | 1.8664 | 1.6227 | 2.3797 | |
| 13 | 1.7098 | 1.7023 | 1.6782 | 1.8026 | 1.4641 | 0.8014 | 0.4852 | |
| | 1.6733 | 1.6859 | 1.6897 | 1.5404 | 1.6209 | 2.3133 | 4.4151 | |
| 14 | 1.9914 | 1.9788 | 1.9386 | 1.7774 | 1.0245 | 0.4861 | | |
| | 1.4674 | 1.4776 | 1.4991 | 1.5623 | 2.3722 | 4.4092 | | |
| 15 | 0.9916 | 0.9037 | 0.9312 | 0.7956 | F-SUB-Q | | | |
| | 2.6663 | 2.9097 | 2.8254 | 3.2210 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1583 | 1.1725 | 1.2990 | 1.4990 | 2.0012 | 1.7331 | 2.0412 | 1.0041 |
| | 1.8558 | 2.3329 | 2.3567 | 2.0241 | 1.5415 | 1.7359 | 1.5116 | 2.7932 |
| 9 | 1.1725 | 1.6229 | 1.5196 | 1.9258 | 1.6030 | 1.7247 | 2.0289 | 1.0021 |
| | 2.3329 | 1.8844 | 2.0067 | 1.6014 | 1.8883 | 1.7401 | 1.5148 | 2.7864 |
| 10 | 1.2990 | 1.5199 | 1.2798 | 1.4387 | 1.9187 | 1.6917 | 1.9701 | 0.8632 |
| | 2.3567 | 2.0063 | 2.3890 | 2.0934 | 1.5879 | 1.7520 | 1.5396 | 3.1918 |
| 11 | 1.4990 | 1.9261 | 1.4396 | 1.7873 | 1.3819 | 1.8292 | 1.8008 | 0.7814 |
| | 2.0241 | 1.6010 | 2.0921 | 1.6878 | 2.1115 | 1.5973 | 1.6219 | 3.4397 |
| 12 | 2.0012 | 1.6032 | 1.9203 | 1.3841 | 1.1397 | 1.4842 | 1.0233 | |
| | 1.5415 | 1.8879 | 1.5857 | 2.1067 | 1.9621 | 1.6918 | 2.5063 | |
| 13 | 1.7331 | 1.7238 | 1.6956 | 1.8361 | 1.4879 | 0.8024 | 0.4837 | |
| | 1.7359 | 1.7387 | 1.7474 | 1.5900 | 1.6900 | 2.4514 | 4.6979 | |
| 14 | 2.0412 | 2.0252 | 1.9771 | 1.8107 | 1.0273 | 0.4846 | | |
| | 1.5116 | 1.5172 | 1.5336 | 1.6116 | 2.4984 | 4.6920 | | |
| 15 | 1.0041 | 0.9126 | 0.9371 | 0.7955 | F-SUB-Q | | | |
| | 2.7932 | 3.0476 | 2.9269 | 3.3759 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1633 | 1.1658 | 1.2907 | 1.4897 | 1.9962 | 1.7295 | 2.0491 | 1.0032 |
| | 1.9771 | 2.4972 | 2.5259 | 2.1536 | 1.6385 | 1.8341 | 1.5845 | 2.9367 |
| 9 | 1.1658 | 1.6204 | 1.5121 | 1.9219 | 1.5934 | 1.7206 | 2.0360 | 1.0014 |
| | 2.4972 | 2.0115 | 2.1467 | 1.6993 | 2.0080 | 1.8462 | 1.5914 | 2.9325 |
| 10 | 1.2907 | 1.5124 | 1.2717 | 1.4317 | 1.9174 | 1.6872 | 1.9757 | 0.8613 |
| | 2.5259 | 2.1462 | 2.5576 | 2.2282 | 1.6684 | 1.8515 | 1.6232 | 3.3835 |
| 11 | 1.4897 | 1.9222 | 1.4325 | 1.7886 | 1.3786 | 1.8359 | 1.8075 | 0.7788 |
| | 2.1536 | 1.6989 | 2.2266 | 1.7951 | 2.2466 | 1.6900 | 1.7140 | 3.6280 |
| 12 | 1.9962 | 1.5936 | 1.9190 | 1.3807 | 1.1439 | 1.4914 | 1.0225 | |
| | 1.6385 | 2.0074 | 1.6663 | 2.2421 | 2.0884 | 1.7904 | 2.6639 | |
| 13 | 1.7295 | 1.7197 | 1.6909 | 1.8425 | 1.4949 | 0.8046 | 0.4821 | |
| | 1.8341 | 1.8450 | 1.8459 | 1.6827 | 1.7886 | 2.6205 | 5.0229 | |
| 14 | 2.0491 | 2.0323 | 1.9825 | 1.8172 | 1.0264 | 0.4829 | | |
| | 1.5845 | 1.5940 | 1.6161 | 1.7035 | 2.6559 | 5.0165 | | |
| 15 | 1.0032 | 0.9120 | 0.9353 | 0.7927 | F-SUB-Q | | | |
| | 2.9367 | 3.2075 | 3.1023 | 3.5618 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1784 | 1.1590 | 1.2776 | 1.4768 | 1.9884 | 1.7192 | 2.0492 | 0.9943 |
| | 2.1560 | 2.7319 | 2.7110 | 2.3091 | 1.7414 | 1.9767 | 1.7005 | 3.1766 |
| 9 | 1.1590 | 1.6182 | 1.5025 | 1.9156 | 1.5802 | 1.7104 | 2.0362 | 0.9907 |
| | 2.7319 | 2.1872 | 2.2985 | 1.8104 | 2.1503 | 1.9686 | 1.7028 | 3.1794 |
| 10 | 1.2776 | 1.5029 | 1.2589 | 1.4215 | 1.9147 | 1.6788 | 1.9770 | 0.8523 |
| | 2.7110 | 2.2979 | 2.7533 | 2.3853 | 1.7826 | 1.9736 | 1.7152 | 3.6227 |
| 11 | 1.4768 | 1.9158 | 1.4223 | 1.7895 | 1.3701 | 1.8407 | 1.8118 | 0.7694 |
| | 2.3091 | 1.8100 | 2.3837 | 1.9181 | 2.4329 | 1.8131 | 1.8363 | 3.9178 |
| 12 | 1.9884 | 1.5803 | 1.9162 | 1.3721 | 1.1544 | 1.5017 | 1.0170 | |
| | 1.7414 | 2.1498 | 1.7806 | 2.4284 | 2.2718 | 1.9339 | 2.9013 | |
| 13 | 1.7192 | 1.7095 | 1.6822 | 1.8471 | 1.5050 | 0.8085 | 0.4794 | |
| | 1.9767 | 1.9667 | 1.9676 | 1.8055 | 1.9320 | 2.8598 | 5.4826 | |
| 14 | 2.0492 | 2.0326 | 1.9836 | 1.8212 | 1.0206 | 0.4802 | | |
| | 1.7005 | 1.7045 | 1.7083 | 1.8254 | 2.8929 | 5.4760 | | |
| 15 | 0.9943 | 0.9028 | 0.9265 | 0.7837 | F-SUB-Q | | | |
| | 3.1766 | 3.4761 | 3.3151 | 3.8436 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1714 | 1.1521 | 1.2665 | 1.4480 | 1.9403 | 1.6846 | 2.0032 | 0.9868 |
| | 2.4289 | 3.0561 | 2.9675 | 2.5537 | 1.9250 | 2.1490 | 1.8499 | 3.4046 |
| 9 | 1.1521 | 1.5835 | 1.4731 | 1.8707 | 1.5486 | 1.6761 | 1.9909 | 0.9880 |
| | 3.0561 | 2.4336 | 2.5415 | 2.0101 | 2.3772 | 2.1581 | 1.8559 | 3.3875 |
| 10 | 1.2665 | 1.4735 | 1.2483 | 1.4003 | 1.8721 | 1.6476 | 1.9353 | 0.8544 |
| | 2.9675 | 2.5407 | 3.0043 | 2.6370 | 1.9836 | 2.1762 | 1.8921 | 3.8763 |
| 11 | 1.4480 | 1.8709 | 1.4010 | 1.7545 | 1.3640 | 1.8066 | 1.7782 | 0.7739 |
| | 2.5537 | 2.0097 | 2.6354 | 2.1388 | 2.6735 | 2.0183 | 2.0404 | 4.2305 |
| 12 | 1.9403 | 1.5486 | 1.8735 | 1.3658 | 1.1587 | 1.4821 | 1.0202 | |
| | 1.9250 | 2.3768 | 1.9816 | 2.6684 | 2.5451 | 2.1667 | 3.1665 | |
| 13 | 1.6846 | 1.6752 | 1.6511 | 1.8126 | 1.4852 | 0.8177 | 0.4829 | |
| | 2.1489 | 2.1564 | 2.1703 | 2.0103 | 2.1645 | 3.1555 | 6.0147 | |
| 14 | 2.0032 | 1.9873 | 1.9417 | 1.7871 | 1.0237 | 0.4837 | | |
| | 1.8499 | 1.8587 | 1.8848 | 2.0286 | 3.1572 | 6.0076 | | |
| 15 | 0.9868 | 0.9047 | 0.9272 | 0.7865 | F-SUB-Q | | | |
| | 3.4046 | 3.6852 | 3.5547 | 4.1590 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1837 | 1.1408 | 1.2498 | 1.4396 | 1.9450 | 1.6782 | 2.0135 | 0.9710 |
| | 2.6580 | 3.3734 | 3.3345 | 2.8437 | 2.1177 | 2.3612 | 2.0101 | 3.7645 |
| 9 | 1.1408 | 1.5941 | 1.4708 | 1.8781 | 1.5403 | 1.6704 | 2.0018 | 0.9700 |
| | 3.3734 | 2.6856 | 2.8219 | 2.2178 | 2.6441 | 2.3785 | 2.0205 | 3.7586 |
| 10 | 1.2498 | 1.4712 | 1.2315 | 1.3903 | 1.8823 | 1.6456 | 1.9494 | 0.8359 |
| | 3.3345 | 2.8210 | 3.3762 | 2.9420 | 2.1840 | 2.4053 | 2.0723 | 4.3486 |
| 11 | 1.4396 | 1.8782 | 1.3910 | 1.7684 | 1.3508 | 1.8259 | 1.7971 | 0.7569 |
| | 2.8437 | 2.2175 | 2.9402 | 2.3604 | 3.0021 | 2.2191 | 2.2397 | 4.7623 |
| 12 | 1.9450 | 1.5403 | 1.8835 | 1.3525 | 1.1599 | 1.5024 | 1.0087 | |
| | 2.1177 | 2.6436 | 2.1819 | 2.9969 | 2.8021 | 2.3672 | 3.5465 | |
| 13 | 1.6782 | 1.6696 | 1.6489 | 1.8317 | 1.5054 | 0.8140 | 0.4764 | |
| | 2.3612 | 2.3793 | 2.3987 | 2.2107 | 2.3650 | 3.5325 | 6.7550 | |
| 14 | 2.0135 | 1.9983 | 1.9555 | 1.8058 | 1.0120 | 0.4771 | | |
| | 2.0101 | 2.0237 | 2.0644 | 2.2273 | 3.5366 | 6.7471 | | |
| 15 | 0.9710 | 0.8843 | 0.9084 | 0.7704 | F-SUB-Q | | | |
| | 3.7645 | 4.1075 | 3.9831 | 4.6751 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1841 | 1.1353 | 1.2400 | 1.4251 | 1.9271 | 1.6601 | 1.9974 | 0.9607 |
| | 2.7035 | 3.4244 | 3.6453 | 3.1337 | 2.3685 | 2.6652 | 2.2614 | 4.2364 |
| 9 | 1.1353 | 1.5874 | 1.4597 | 1.8643 | 1.5244 | 1.6532 | 1.9867 | 0.9604 |
| | 3.4245 | 2.7233 | 3.1002 | 2.4558 | 2.9318 | 2.6844 | 2.2725 | 4.2271 |
| 10 | 1.2400 | 1.4601 | 1.2219 | 1.3792 | 1.8710 | 1.6330 | 1.9393 | 0.8291 |
| | 3.6453 | 3.0992 | 3.6988 | 3.2571 | 2.4242 | 2.7159 | 2.3296 | 4.8863 |
| 11 | 1.4251 | 1.8644 | 1.3798 | 1.7629 | 1.3451 | 1.8237 | 1.7949 | 0.7528 |
| | 3.1337 | 2.4556 | 3.2560 | 2.4519 | 3.1413 | 2.4049 | 2.4795 | 5.3739 |
| 12 | 1.9271 | 1.5243 | 1.8720 | 1.3467 | 1.1612 | 1.5065 | 1.0086 | |
| | 2.3685 | 2.9317 | 2.4226 | 3.1391 | 2.9541 | 2.4971 | 3.7370 | |
| 13 | 1.6601 | 1.6525 | 1.6362 | 1.8292 | 1.5092 | 0.8171 | 0.4770 | |
| | 2.6652 | 2.6852 | 2.7091 | 2.4013 | 2.4951 | 3.7390 | 7.1880 | |
| 14 | 1.9974 | 1.9833 | 1.9452 | 1.8033 | 1.0117 | 0.4776 | | |
| | 2.2614 | 2.2760 | 2.3213 | 2.4693 | 3.7271 | 7.1802 | | |
| 15 | 0.9607 | 0.8760 | 0.9012 | 0.7658 | F-SUB-Q | | | |
| | 4.2364 | 4.6177 | 4.4738 | 5.2785 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1837 | 1.1363 | 1.2372 | 1.4069 | 1.8945 | 1.6345 | 1.9630 | 0.9548 |
| | 2.7571 | 3.4788 | 3.5253 | 3.0573 | 2.3170 | 2.6136 | 2.2430 | 4.1576 |
| 9 | 1.1363 | 1.5708 | 1.4439 | 1.8356 | 1.5038 | 1.6297 | 1.9537 | 0.9574 |
| | 3.4788 | 2.7771 | 3.0246 | 2.4032 | 2.8618 | 2.6392 | 2.2595 | 4.1408 |
| 10 | 1.2372 | 1.4443 | 1.2197 | 1.3682 | 1.8459 | 1.6143 | 1.9130 | 0.8319 |
| | 3.5253 | 3.0236 | 3.5834 | 3.1805 | 2.4187 | 2.6937 | 2.3364 | 4.8015 |
| 11 | 1.4069 | 1.8357 | 1.3688 | 1.7468 | 1.3489 | 1.8088 | 1.7801 | 0.7593 |
| | 3.0573 | 2.4030 | 3.1793 | 2.4989 | 3.1902 | 2.4505 | 2.5248 | 5.3358 |
| 12 | 1.8945 | 1.5037 | 1.8468 | 1.3503 | 1.1713 | 1.5044 | 1.0204 | |
| | 2.3170 | 2.8617 | 2.4175 | 3.1881 | 3.0074 | 2.5457 | 3.7495 | |
| 13 | 1.6345 | 1.6301 | 1.6174 | 1.8141 | 1.5070 | 0.8319 | 0.4856 | |
| | 2.6136 | 2.6404 | 2.6882 | 2.4462 | 2.5436 | 3.7636 | 7.2138 | |
| 14 | 1.9630 | 1.9504 | 1.9188 | 1.7882 | 1.0235 | 0.4862 | | |
| | 2.2430 | 2.2632 | 2.3294 | 2.5146 | 3.7399 | 7.2061 | | |
| 15 | 0.9548 | 0.8777 | 0.9040 | 0.7712 | F-SUB-Q | | | |
| | 4.1576 | 4.4981 | 4.4025 | 5.2531 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2257 | 1.1508 | 1.2333 | 1.4093 | 1.9103 | 1.6363 | 1.9816 | 0.9435 |
| | 2.6257 | 3.3191 | 3.4494 | 2.9700 | 2.2331 | 2.5324 | 2.1546 | 4.0781 |
| 9 | 1.1508 | 1.6037 | 1.4563 | 1.8566 | 1.5064 | 1.6358 | 1.9739 | 0.9436 |
| | 3.3191 | 2.6385 | 2.9280 | 2.3138 | 2.7792 | 2.5571 | 2.1703 | 4.0742 |
| 10 | 1.2333 | 1.4568 | 1.2157 | 1.3741 | 1.8726 | 1.6259 | 1.9415 | 0.8189 |
| | 3.4494 | 2.9270 | 3.5096 | 3.0971 | 2.3279 | 2.6069 | 2.2427 | 4.7434 |
| 11 | 1.4093 | 1.8567 | 1.3747 | 1.7858 | 1.3554 | 1.8526 | 1.8218 | 0.7499 |
| | 2.9700 | 2.3137 | 3.0957 | 2.4174 | 3.1104 | 2.3844 | 2.4515 | 5.2792 |
| 12 | 1.9103 | 1.5063 | 1.8735 | 1.3567 | 1.2005 | 1.5594 | 1.0283 | |
| | 2.2331 | 2.7792 | 2.3269 | 3.1090 | 2.9325 | 2.4678 | 3.6931 | |
| 13 | 1.6363 | 1.6363 | 1.6288 | 1.8574 | 1.5618 | 0.8533 | 0.4911 | |
| | 2.5324 | 2.5583 | 2.6018 | 2.3808 | 2.4664 | 3.6948 | 7.0449 | |
| 14 | 1.9816 | 1.9706 | 1.9473 | 1.8298 | 1.0312 | 0.4916 | | |
| | 2.1546 | 2.1738 | 2.2361 | 2.4428 | 3.6849 | 7.0387 | | |
| 15 | 0.9435 | 0.8618 | 0.8915 | 0.7627 | F-SUB-Q | | | |
| | 4.0781 | 4.4424 | 4.3419 | 5.1897 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3182 | 1.1844 | 1.2379 | 1.4103 | 1.9141 | 1.6328 | 1.9849 | 0.9375 |
| | 2.3499 | 2.9825 | 3.1774 | 2.7614 | 2.0900 | 2.3873 | 2.0300 | 3.8313 |
| 9 | 1.1844 | 1.6354 | 1.4670 | 1.8664 | 1.5066 | 1.6375 | 1.9792 | 0.9360 |
| | 2.9825 | 2.3648 | 2.6918 | 2.1493 | 2.5944 | 2.4087 | 2.0431 | 3.8338 |
| 10 | 1.2379 | 1.4675 | 1.2194 | 1.3832 | 1.8907 | 1.6353 | 1.9573 | 0.8158 |
| | 3.1774 | 2.6909 | 3.2368 | 2.8706 | 2.1564 | 2.4451 | 2.1022 | 4.4432 |
| 11 | 1.4103 | 1.8665 | 1.3838 | 1.8258 | 1.3781 | 1.8925 | 1.8575 | 0.7508 |
| | 2.7614 | 2.1492 | 2.8696 | 2.1703 | 2.8033 | 2.1402 | 2.1990 | 4.9183 |
| 12 | 1.9141 | 1.5064 | 1.8915 | 1.3793 | 1.2821 | 1.6322 | 1.0549 | |
| | 2.0900 | 2.5945 | 2.1556 | 2.8021 | 2.6396 | 2.2138 | 3.3357 | |
| 13 | 1.6328 | 1.6380 | 1.6394 | 1.8972 | 1.6345 | 0.9163 | 0.5094 | |
| | 2.3873 | 2.4099 | 2.4409 | 2.1362 | 2.2126 | 3.3418 | 6.4003 | |
| 14 | 1.9849 | 1.9760 | 1.9631 | 1.8653 | 1.0576 | 0.5099 | | |
| | 2.0300 | 2.0464 | 2.0966 | 2.1913 | 3.3285 | 6.3948 | | |
| 15 | 0.9375 | 0.8559 | 0.8893 | 0.7640 | F-SUB-Q | | | |
| | 3.8313 | 4.1738 | 4.0634 | 4.8356 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5075 | 1.2392 | 1.2494 | 1.4115 | 1.9148 | 1.6278 | 1.9812 | 0.9351 |
| | 2.1331 | 2.7083 | 2.8339 | 2.4737 | 1.8702 | 2.1440 | 1.8201 | 3.4418 |
| 9 | 1.2392 | 1.6693 | 1.4790 | 1.8724 | 1.5070 | 1.6381 | 1.9777 | 0.9372 |
| | 2.7083 | 2.1438 | 2.4044 | 1.9212 | 2.3249 | 2.1625 | 1.8309 | 3.4316 |
| 10 | 1.2494 | 1.4795 | 1.2316 | 1.3936 | 1.9169 | 1.6520 | 1.9671 | 0.8189 |
| | 2.8339 | 2.4035 | 2.8850 | 2.5664 | 1.9392 | 2.1886 | 1.8791 | 3.9746 |
| 11 | 1.4115 | 1.8725 | 1.3942 | 1.8700 | 1.4153 | 1.9310 | 1.8894 | 0.7600 |
| | 2.4737 | 1.9212 | 2.5655 | 1.9675 | 2.5462 | 1.9414 | 1.9940 | 4.3828 |
| 12 | 1.9148 | 1.5069 | 1.9179 | 1.4161 | 1.4160 | 1.7570 | 1.0928 | |
| | 1.8702 | 2.3251 | 1.9386 | 2.5451 | 2.4068 | 2.0151 | 3.0284 | |
| 13 | 1.6278 | 1.6386 | 1.6560 | 1.9356 | 1.7584 | 1.0192 | 0.5365 | |
| | 2.1440 | 2.1636 | 2.1849 | 1.9377 | 2.0140 | 3.0459 | 5.8409 | |
| 14 | 1.9812 | 1.9745 | 1.9728 | 1.8971 | 1.0954 | 0.5370 | | |
| | 1.8201 | 1.8337 | 1.8741 | 1.9871 | 3.0218 | 5.8359 | | |
| 15 | 0.9351 | 0.8565 | 0.8924 | 0.7725 | F-SUB-Q | | | |
| | 3.4418 | 3.7383 | 3.6364 | 4.3135 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6921 | 1.3069 | 1.2628 | 1.4086 | 1.9017 | 1.6162 | 1.9620 | 0.9354 |
| | 2.1061 | 2.6653 | 2.7581 | 2.4306 | 1.8440 | 2.1146 | 1.7985 | 3.3722 |
| 9 | 1.3069 | 1.6958 | 1.4834 | 1.8644 | 1.5025 | 1.6315 | 1.9604 | 0.9403 |
| | 2.6653 | 2.1179 | 2.3584 | 1.8918 | 2.2861 | 2.1320 | 1.8082 | 3.3527 |
| 10 | 1.2628 | 1.4840 | 1.2493 | 1.3988 | 1.9290 | 1.6594 | 1.9603 | 0.8277 |
| | 2.7581 | 2.3575 | 2.8072 | 2.5132 | 1.9077 | 2.1502 | 1.8504 | 3.8602 |
| 11 | 1.4086 | 1.8644 | 1.3994 | 1.8977 | 1.4452 | 1.9501 | 1.9029 | 0.7741 |
| | 2.4306 | 1.8918 | 2.5125 | 1.9449 | 2.5101 | 1.9200 | 1.9724 | 4.2370 |
| 12 | 1.9017 | 1.5023 | 1.9300 | 1.4463 | 1.5186 | 1.8421 | 1.1321 | |
| | 1.8440 | 2.2863 | 1.9071 | 2.5090 | 2.3756 | 1.9931 | 2.9551 | |
| 13 | 1.6162 | 1.6320 | 1.6633 | 1.9548 | 1.8435 | 1.1040 | 0.5639 | |
| | 2.1145 | 2.1330 | 2.1466 | 1.9160 | 1.9920 | 2.9792 | 5.7114 | |
| 14 | 1.9620 | 1.9584 | 1.9661 | 1.9105 | 1.1347 | 0.5644 | | |
| | 1.7985 | 1.8109 | 1.8454 | 1.9655 | 2.9486 | 5.7063 | | |
| 15 | 0.9354 | 0.8631 | 0.9015 | 0.7858 | F-SUB-Q | | | |
| | 3.3722 | 3.6368 | 3.5330 | 4.1748 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7764 | 1.3536 | 1.2628 | 1.4167 | 1.9270 | 1.6235 | 1.9872 | 0.9244 |
| | 1.8977 | 2.4327 | 2.5336 | 2.2179 | 1.6684 | 1.9309 | 1.6280 | 3.1328 |
| 9 | 1.3536 | 1.7602 | 1.5034 | 1.8947 | 1.5112 | 1.6432 | 1.9882 | 0.9248 |
| | 2.4327 | 1.9076 | 2.1376 | 1.7076 | 2.0856 | 1.9429 | 1.6355 | 3.1301 |
| 10 | 1.2628 | 1.5040 | 1.2477 | 1.4172 | 1.9738 | 1.6836 | 1.9955 | 0.8137 |
| | 2.5336 | 2.1367 | 2.5824 | 2.2885 | 1.7191 | 1.9537 | 1.6676 | 3.6066 |
| 11 | 1.4167 | 1.8947 | 1.4177 | 1.9510 | 1.4693 | 2.0031 | 1.9523 | 0.7627 |
| | 2.2179 | 1.7075 | 2.2876 | 1.7435 | 2.2747 | 1.7179 | 1.7619 | 3.9534 |
| 12 | 1.9270 | 1.5110 | 1.9748 | 1.4700 | 1.5759 | 1.9217 | 1.1403 | |
| | 1.6684 | 2.0858 | 1.7186 | 2.2736 | 2.1578 | 1.8020 | 2.7320 | |
| 13 | 1.6235 | 1.6437 | 1.6876 | 2.0076 | 1.9231 | 1.1325 | 0.5690 | |
| | 1.9309 | 1.9423 | 1.9503 | 1.7144 | 1.8010 | 2.7548 | 5.3488 | |
| 14 | 1.9872 | 1.9884 | 2.0014 | 1.9600 | 1.1428 | 0.5694 | | |
| | 1.6280 | 1.6379 | 1.6630 | 1.7555 | 2.7257 | 5.3443 | | |
| 15 | 0.9244 | 0.8464 | 0.8888 | 0.7757 | F-SUB-Q | | | |
| | 3.1328 | 3.4052 | 3.2917 | 3.8879 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7931 | 1.3633 | 1.2587 | 1.4082 | 1.9170 | 1.6102 | 1.9723 | 0.9133 |
| | 1.7345 | 2.2266 | 2.3561 | 2.0705 | 1.5558 | 1.8073 | 1.5216 | 2.9478 |
| 9 | 1.3633 | 1.7707 | 1.5005 | 1.8870 | 1.5018 | 1.6324 | 1.9763 | 0.9140 |
| | 2.2266 | 1.7532 | 1.9838 | 1.5893 | 1.9473 | 1.8141 | 1.5276 | 2.9441 |
| 10 | 1.2587 | 1.5011 | 1.2445 | 1.4137 | 1.9711 | 1.6787 | 1.9870 | 0.8051 |
| | 2.3561 | 1.9830 | 2.4021 | 2.1284 | 1.5963 | 1.8189 | 1.5513 | 3.3855 |
| 11 | 1.4082 | 1.8871 | 1.4142 | 1.9539 | 1.4693 | 2.0031 | 1.9515 | 0.7570 |
| | 2.0705 | 1.5892 | 2.1275 | 1.6154 | 2.1122 | 1.5949 | 1.6347 | 3.6932 |
| 12 | 1.9170 | 1.5016 | 1.9723 | 1.4702 | 1.5885 | 1.9366 | 1.1416 | |
| | 1.5558 | 1.9475 | 1.5956 | 2.1112 | 1.9818 | 1.6540 | 2.5310 | |
| 13 | 1.6102 | 1.6330 | 1.6827 | 2.0080 | 1.9380 | 1.1417 | 0.5710 | |
| | 1.8073 | 1.8135 | 1.8157 | 1.5913 | 1.6530 | 2.5416 | 4.9522 | |
| 14 | 1.9723 | 1.9766 | 1.9931 | 1.9594 | 1.1441 | 0.5714 | | |
| | 1.5216 | 1.5298 | 1.5468 | 1.6283 | 2.5252 | 4.9477 | | |
| 15 | 0.9133 | 0.8363 | 0.8806 | 0.7700 | F-SUB-Q | | | |
| | 2.9478 | 3.2038 | 3.0860 | 3.6317 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7441 | 1.3390 | 1.2445 | 1.3749 | 1.8547 | 1.5668 | 1.9005 | 0.8978 |
| | 1.6756 | 2.1337 | 2.2297 | 1.9896 | 1.5077 | 1.7446 | 1.4819 | 2.8215 |
| 9 | 1.3390 | 1.7217 | 1.4663 | 1.8248 | 1.4653 | 1.5900 | 1.9054 | 0.9037 |
| | 2.1337 | 1.6974 | 1.8977 | 1.5394 | 1.8724 | 1.7462 | 1.4866 | 2.8013 |
| 10 | 1.2445 | 1.4669 | 1.2347 | 1.3811 | 1.9057 | 1.6349 | 1.9178 | 0.7986 |
| | 2.2297 | 1.8969 | 2.2708 | 2.0367 | 1.5346 | 1.7469 | 1.5032 | 3.2060 |
| 11 | 1.3749 | 1.8249 | 1.3817 | 1.8935 | 1.4367 | 1.9352 | 1.8850 | 0.7538 |
| | 1.9896 | 1.5393 | 2.0359 | 1.5524 | 2.0161 | 1.5327 | 1.5697 | 3.4715 |
| 12 | 1.8547 | 1.4651 | 1.9069 | 1.4377 | 1.5551 | 1.8799 | 1.1342 | |
| | 1.5077 | 1.8725 | 1.5337 | 2.0144 | 1.9021 | 1.6013 | 2.4000 | |
| 13 | 1.5668 | 1.5907 | 1.6390 | 1.9402 | 1.8813 | 1.1377 | 0.5706 | |
| | 1.7446 | 1.7456 | 1.7428 | 1.5289 | 1.6001 | 2.3975 | 4.6710 | |
| 14 | 1.9005 | 1.9060 | 1.9243 | 1.8929 | 1.1368 | 0.5710 | | |
| | 1.4819 | 1.4888 | 1.4984 | 1.5634 | 2.3943 | 4.6666 | | |
| 15 | 0.8978 | 0.8291 | 0.8732 | 0.7656 | F-SUB-Q | | | |
| | 2.8215 | 3.0401 | 2.9228 | 3.4185 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6936 | 1.3010 | 1.1959 | 1.3307 | 1.7950 | 1.5174 | 1.8352 | 0.8553 |
| | 1.6235 | 2.0596 | 2.1938 | 1.9496 | 1.4776 | 1.7109 | 1.4567 | 2.8187 |
| 9 | 1.3010 | 1.6734 | 1.4264 | 1.7675 | 1.4190 | 1.5411 | 1.8404 | 0.8574 |
| | 2.0596 | 1.6294 | 1.8424 | 1.5049 | 1.8336 | 1.7076 | 1.4603 | 2.8091 |
| 10 | 1.1959 | 1.4271 | 1.1823 | 1.3359 | 1.8427 | 1.5837 | 1.8527 | 0.7528 |
| | 2.1938 | 1.8416 | 2.2354 | 1.9877 | 1.4938 | 1.6987 | 1.4710 | 3.2299 |
| 11 | 1.3307 | 1.7676 | 1.3364 | 1.8336 | 1.3885 | 1.8680 | 1.8190 | 0.7105 |
| | 1.9496 | 1.5048 | 1.9869 | 1.5016 | 1.9543 | 1.4909 | 1.5303 | 3.4831 |
| 12 | 1.7950 | 1.4188 | 1.8439 | 1.3895 | 1.5121 | 1.8219 | 1.0785 | |
| | 1.4776 | 1.8338 | 1.4928 | 1.9531 | 1.8459 | 1.5544 | 2.3595 | |
| 13 | 1.5174 | 1.5418 | 1.5879 | 1.8730 | 1.8233 | 1.0905 | 0.5429 | |
| | 1.7109 | 1.7069 | 1.6942 | 1.4870 | 1.5531 | 2.3725 | 4.6452 | |
| 14 | 1.8352 | 1.8410 | 1.8593 | 1.8270 | 1.0811 | 0.5433 | | |
| | 1.4567 | 1.4625 | 1.4662 | 1.5239 | 2.3533 | 4.6404 | | |
| 15 | 0.8553 | 0.7819 | 0.8268 | 0.7229 | F-SUB-Q | | | |
| | 2.8187 | 3.0672 | 2.9315 | 3.4238 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5319 | 1.1979 | 1.0974 | 1.2215 | 1.6212 | 1.3901 | 1.6501 | 0.7840 |
| | 1.6957 | 2.1197 | 2.2883 | 2.0374 | 1.5689 | 1.7940 | 1.5553 | 2.9610 |
| 9 | 1.1979 | 1.5157 | 1.3120 | 1.5968 | 1.3030 | 1.4115 | 1.6540 | 0.7838 |
| | 2.1197 | 1.7086 | 1.9153 | 1.5953 | 1.9152 | 1.7873 | 1.5585 | 2.9581 |
| 10 | 1.0974 | 1.3126 | 1.0864 | 1.2260 | 1.6614 | 1.4485 | 1.6637 | 0.6853 |
| | 2.2883 | 1.9143 | 2.3194 | 2.0686 | 1.5779 | 1.7706 | 1.5670 | 3.4102 |
| 11 | 1.2215 | 1.5969 | 1.2265 | 1.6548 | 1.2723 | 1.6784 | 1.6302 | 0.6464 |
| | 2.0374 | 1.5953 | 2.0678 | 1.5866 | 2.0333 | 1.5799 | 1.6300 | 3.6669 |
| 12 | 1.6212 | 1.3028 | 1.6626 | 1.2732 | 1.3867 | 1.6412 | 0.9859 | |
| | 1.5689 | 1.9153 | 1.5769 | 2.0321 | 1.9030 | 1.6341 | 2.4583 | |
| 13 | 1.3901 | 1.4122 | 1.4524 | 1.6815 | 1.6425 | 1.0020 | 0.4985 | |
| | 1.7940 | 1.7865 | 1.7657 | 1.5779 | 1.6328 | 2.4407 | 4.8056 | |
| 14 | 1.6501 | 1.6544 | 1.6698 | 1.6378 | 0.9883 | 0.4989 | | |
| | 1.5553 | 1.5610 | 1.5616 | 1.6224 | 2.4519 | 4.8005 | | |
| 15 | 0.7840 | 0.7143 | 0.7569 | 0.6581 | F-SUB-Q | | | |
| | 2.9610 | 3.2323 | 3.0772 | 3.6024 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 250 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2483 | 0.9708 | 0.8874 | 0.9850 | 1.3085 | 1.1138 | 1.3257 | 0.6347 |
| | 2.0046 | 2.5238 | 2.7370 | 2.4473 | 1.8810 | 2.1703 | 1.8765 | 3.5543 |
| 9 | 0.9708 | 1.2312 | 1.0610 | 1.2908 | 1.0535 | 1.1274 | 1.3277 | 0.6397 |
| | 2.5238 | 2.0307 | 2.2892 | 1.9088 | 2.2942 | 2.1653 | 1.8801 | 3.5257 |
| 10 | 0.8874 | 1.0615 | 0.8780 | 0.9915 | 1.3444 | 1.1559 | 1.3287 | 0.5502 |
| | 2.7370 | 2.2881 | 2.7740 | 2.4710 | 1.8765 | 2.1390 | 1.8972 | 4.1227 |
| 11 | 0.9850 | 1.2909 | 0.9919 | 1.3434 | 1.0277 | 1.3527 | 1.2956 | 0.5226 |
| | 2.4473 | 1.9088 | 2.4701 | 1.8815 | 2.4248 | 1.8875 | 1.9756 | 4.3916 |
| 12 | 1.3085 | 1.0534 | 1.3451 | 1.0283 | 1.1262 | 1.3105 | 0.7947 | |
| | 1.8810 | 2.2943 | 1.8756 | 2.4234 | 2.2575 | 1.9727 | 2.9479 | |
| 13 | 1.1138 | 1.1280 | 1.1591 | 1.3543 | 1.3115 | 0.8122 | 0.4036 | |
| | 2.1703 | 2.1643 | 2.1330 | 1.8853 | 1.9713 | 2.9021 | 5.7365 | |
| 14 | 1.3257 | 1.3280 | 1.3333 | 1.3011 | 0.7965 | 0.4039 | | |
| | 1.8765 | 1.8830 | 1.8911 | 1.9674 | 2.9404 | 5.7304 | | |
| 15 | 0.6347 | 0.5756 | 0.6138 | 0.5312 | F-SUB-Q | | | |
| | 3.5543 | 3.8972 | 3.6837 | 4.3224 | M-SUB-Q | | | |

AT 50% POWER, 250 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5018 | 0.4228 | 0.3975 | 0.4379 | 0.5250 | 0.4512 | 0.4986 | 0.2668 |
| | 4.8337 | 5.6133 | 5.9335 | 5.3509 | 4.5521 | 5.1961 | 4.8391 | 8.2259 |
| 9 | 0.4228 | 0.4903 | 0.4338 | 0.5148 | 0.4572 | 0.4558 | 0.4986 | 0.2682 |
| | 5.6133 | 4.9218 | 5.4300 | 4.6463 | 5.1343 | 5.1918 | 4.8494 | 8.1792 |
| 10 | 0.3975 | 0.4339 | 0.3944 | 0.4407 | 0.5348 | 0.4656 | 0.4972 | 0.2481 |
| | 5.9335 | 5.4278 | 6.0049 | 5.3904 | 4.5588 | 5.1341 | 4.9113 | 8.8950 |
| 11 | 0.4379 | 0.5148 | 0.4409 | 0.5192 | 0.4548 | 0.5333 | 0.4802 | 0.2256 |
| | 5.3509 | 4.6460 | 5.3887 | 4.7062 | 5.3036 | 4.6284 | 5.1557 | 9.8878 |
| 12 | 0.5250 | 0.4572 | 0.5351 | 0.4551 | 0.4516 | 0.4917 | 0.3310 | |
| | 4.5521 | 5.1342 | 4.5569 | 5.3001 | 5.4556 | 5.0922 | 6.8654 | |
| 13 | 0.4512 | 0.4561 | 0.4668 | 0.5340 | 0.4921 | 0.3387 | 0.1789 | |
| | 5.1961 | 5.1891 | 5.1291 | 4.6223 | 5.0878 | 6.7523 | *12.5861 | |
| 14 | 0.4986 | 0.4985 | 0.4990 | 0.4824 | 0.3318 | 0.1791 | | |
| | 4.8391 | 4.8560 | 4.8948 | 5.1324 | 6.8463 | *12.5715 | | |
| 15 | 0.2668 | 0.2562 | 0.2595 | 0.2297 | F-SUB-Q | | | |
| | 8.2259 | 8.5310 | 8.4691 | 9.7121 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3583 | 0.4006 | 0.4468 | 0.5186 | 0.6128 | 0.5111 | 0.4362 | 0.2301 |
| | 4.3218 | 4.9552 | 4.9992 | 4.3890 | 3.8490 | 4.1805 | 4.0793 | 6.4072 |
| 9 | 0.4006 | 0.4693 | 0.4678 | 0.5907 | 0.5456 | 0.5288 | 0.5330 | 0.2930 |
| | 4.9552 | 4.5890 | 4.6400 | 3.9879 | 4.1663 | 4.1972 | 4.1035 | 6.4799 |
| 10 | 0.4468 | 0.4679 | 0.3718 | 0.4900 | 0.6052 | 0.5356 | 0.5587 | 0.2820 |
| | 4.9992 | 4.6390 | 5.0655 | 4.5556 | 3.9429 | 4.2061 | 4.1996 | 7.0329 |
| 11 | 0.5186 | 0.5908 | 0.4902 | 0.5351 | 0.4941 | 0.5753 | 0.5365 | 0.2745 |
| | 4.3890 | 3.9876 | 4.5544 | 4.3198 | 4.5412 | 4.0557 | 4.3526 | 7.5367 |
| 12 | 0.6128 | 0.5457 | 0.6058 | 0.4947 | 0.3823 | 0.4651 | 0.3540 | |
| | 3.8490 | 4.1658 | 3.9382 | 4.5346 | 4.4806 | 4.4649 | 5.7664 | |
| 13 | 0.5111 | 0.5293 | 0.5364 | 0.5766 | 0.4662 | 0.2947 | 0.1944 | |
| | 4.1805 | 4.1967 | 4.1964 | 4.0463 | 4.4614 | 5.5356 | 9.6369 | |
| 14 | 0.4362 | 0.5336 | 0.5618 | 0.5395 | 0.3554 | 0.1947 | | |
| | 4.0793 | 4.1115 | 4.1898 | 4.3284 | 5.7400 | 9.6270 | | |
| 15 | 0.2301 | 0.2788 | 0.2991 | 0.2796 | F-SUB-Q | | | |
| | 6.4072 | 6.7160 | 6.6810 | 7.3931 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.7832 | 0.8298 | 0.9091 | 1.0621 | 1.3462 | 1.1207 | 0.9906 | 0.5109 |
| | 2.0783 | 2.4631 | 2.5564 | 2.2302 | 1.8210 | 1.9561 | 1.8228 | 3.0099 |
| 9 | 0.8298 | 1.0372 | 1.0293 | 1.2999 | 1.1365 | 1.1560 | 1.2415 | 0.6476 |
| | 2.4631 | 2.1413 | 2.1902 | 1.8838 | 2.0807 | 1.9572 | 1.8261 | 3.0374 |
| 10 | 0.9091 | 1.0295 | 0.7518 | 1.0048 | 1.3333 | 1.1882 | 1.3058 | 0.5903 |
| | 2.5564 | 2.1898 | 2.5926 | 2.3045 | 1.8758 | 1.9843 | 1.8649 | 3.4793 |
| 11 | 1.0621 | 1.3001 | 1.0053 | 1.2176 | 1.0160 | 1.2916 | 1.2630 | 0.5930 |
| | 2.2302 | 1.8837 | 2.3039 | 1.9532 | 2.3191 | 1.8982 | 1.9420 | 3.6674 |
| 12 | 1.3462 | 1.1368 | 1.3346 | 1.0172 | 0.8500 | 1.0819 | 0.7856 | |
| | 1.8210 | 2.0805 | 1.8751 | 2.3160 | 2.0920 | 1.9694 | 2.7259 | |
| 13 | 1.1207 | 1.1572 | 1.1926 | 1.2961 | 1.0843 | 0.6439 | 0.4109 | |
| | 1.9561 | 1.9576 | 1.9810 | 1.8916 | 1.9682 | 2.5921 | 4.6635 | |
| 14 | 0.9906 | 1.2426 | 1.3137 | 1.2698 | 0.7885 | 0.4115 | | |
| | 1.8228 | 1.8299 | 1.8602 | 1.9318 | 2.7140 | 4.6591 | | |
| 15 | 0.5109 | 0.5932 | 0.6646 | 0.6032 | F-SUB-Q | | | |
| | 3.0099 | 3.2913 | 3.1556 | 3.6032 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9530 | 0.9949 | 1.0994 | 1.2832 | 1.6312 | 1.3510 | 1.2432 | 0.6501 |
| | 1.7987 | 2.1284 | 2.1897 | 1.9141 | 1.5563 | 1.6570 | 1.5334 | 2.5194 |
| 9 | 0.9949 | 1.2545 | 1.2392 | 1.5749 | 1.3664 | 1.3946 | 1.5224 | 0.8061 |
| | 2.1284 | 1.8367 | 1.8899 | 1.6121 | 1.7942 | 1.6657 | 1.5390 | 2.5451 |
| 10 | 1.0994 | 1.2394 | 0.9389 | 1.2199 | 1.6120 | 1.4434 | 1.5909 | 0.7339 |
| | 2.1897 | 1.8896 | 2.2105 | 1.9751 | 1.6045 | 1.6883 | 1.5802 | 2.8800 |
| 11 | 1.2832 | 1.5751 | 1.2205 | 1.4691 | 1.2324 | 1.5702 | 1.5391 | 0.7311 |
| | 1.9141 | 1.6120 | 1.9745 | 1.6743 | 1.9840 | 1.6106 | 1.6436 | 3.0785 |
| 12 | 1.6312 | 1.3667 | 1.6135 | 1.2343 | 1.0293 | 1.3071 | 0.9644 | |
| | 1.5563 | 1.7941 | 1.6038 | 1.9806 | 1.8258 | 1.6749 | 2.2881 | |
| 13 | 1.3510 | 1.3962 | 1.4486 | 1.5756 | 1.3100 | 0.7729 | 0.4990 | |
| | 1.6570 | 1.6669 | 1.6855 | 1.6049 | 1.6739 | 2.2208 | 3.9317 | |
| 14 | 1.2432 | 1.5235 | 1.6005 | 1.5474 | 0.9679 | 0.4998 | | |
| | 1.5334 | 1.5424 | 1.5760 | 1.6348 | 2.2782 | 3.9283 | | |
| 15 | 0.6501 | 0.7446 | 0.8116 | 0.7439 | F-SUB-Q | | | |
| | 2.5194 | 2.7154 | 2.6475 | 3.0229 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0623 | 1.0844 | 1.1961 | 1.4021 | 1.8265 | 1.4886 | 1.4543 | 0.7455 |
| | 1.6844 | 2.0464 | 2.1189 | 1.8350 | 1.4552 | 1.5726 | 1.4133 | 2.4177 |
| 9 | 1.0844 | 1.4107 | 1.3693 | 1.7662 | 1.4938 | 1.5429 | 1.7476 | 0.8827 |
| | 2.0464 | 1.7204 | 1.8077 | 1.5070 | 1.7184 | 1.5828 | 1.4196 | 2.4511 |
| 10 | 1.1961 | 1.3694 | 1.0453 | 1.3353 | 1.8036 | 1.5870 | 1.8047 | 0.8032 |
| | 2.1189 | 1.8075 | 2.1272 | 1.8898 | 1.4960 | 1.5962 | 1.4568 | 2.7822 |
| 11 | 1.4021 | 1.7664 | 1.3359 | 1.6543 | 1.3373 | 1.7643 | 1.7331 | 0.7833 |
| | 1.8350 | 1.5070 | 1.8893 | 1.5587 | 1.8930 | 1.4810 | 1.5080 | 2.9816 |
| 12 | 1.8265 | 1.4940 | 1.8051 | 1.3391 | 1.1167 | 1.4613 | 1.0345 | |
| | 1.4552 | 1.7182 | 1.4951 | 1.8900 | 1.7383 | 1.5504 | 2.2003 | |
| 13 | 1.4886 | 1.5443 | 1.5921 | 1.7699 | 1.4642 | 0.8226 | 0.5255 | |
| | 1.5726 | 1.5841 | 1.5903 | 1.4761 | 1.5495 | 2.1551 | 3.8511 | |
| 14 | 1.4543 | 1.7484 | 1.8111 | 1.7415 | 1.0380 | 0.5263 | | |
| | 1.4133 | 1.4226 | 1.4535 | 1.5005 | 2.1911 | 3.8479 | | |
| 15 | 0.7455 | 0.8139 | 0.8829 | 0.7977 | F-SUB-Q | | | |
| | 2.4177 | 2.6249 | 2.5695 | 2.9241 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1057 | 1.1216 | 1.2471 | 1.4480 | 1.9031 | 1.5609 | 1.6691 | 0.8762 |
| | 1.7147 | 2.1040 | 2.1702 | 1.8793 | 1.4787 | 1.6063 | 1.4259 | 2.4615 |
| 9 | 1.1216 | 1.5055 | 1.4335 | 1.8441 | 1.5430 | 1.6194 | 1.8736 | 0.9385 |
| | 2.1040 | 1.7533 | 1.8573 | 1.5295 | 1.7593 | 1.6173 | 1.4326 | 2.4899 |
| 10 | 1.2471 | 1.4337 | 1.1674 | 1.3905 | 1.8753 | 1.6383 | 1.9002 | 0.8537 |
| | 2.1702 | 1.8571 | 2.1909 | 1.9311 | 1.5058 | 1.6148 | 1.4649 | 2.8160 |
| 11 | 1.4480 | 1.8442 | 1.3911 | 1.7354 | 1.3818 | 1.8341 | 1.8052 | 0.8131 |
| | 1.8793 | 1.5294 | 1.9305 | 1.5801 | 1.9119 | 1.4826 | 1.5065 | 3.0031 |
| 12 | 1.9031 | 1.5431 | 1.8765 | 1.3834 | 1.1465 | 1.5116 | 1.0642 | |
| | 1.4787 | 1.7592 | 1.5042 | 1.9091 | 1.7753 | 1.5662 | 2.2223 | |
| 13 | 1.5609 | 1.6203 | 1.6431 | 1.8392 | 1.5142 | 0.8385 | 0.5338 | |
| | 1.6063 | 1.6174 | 1.6091 | 1.4780 | 1.5655 | 2.2024 | 3.9495 | |
| 14 | 1.6691 | 1.8738 | 1.9060 | 1.8130 | 1.0674 | 0.5345 | | |
| | 1.4259 | 1.4356 | 1.4616 | 1.4996 | 2.2136 | 3.9465 | | |
| 15 | 0.8762 | 0.8661 | 0.9243 | 0.8266 | F-SUB-Q | | | |
| | 2.4615 | 2.6586 | 2.6100 | 2.9495 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1213 | 1.1485 | 1.2743 | 1.4628 | 1.9286 | 1.6316 | 1.9140 | 0.9750 |
| | 1.8048 | 2.2219 | 2.2738 | 1.9683 | 1.5500 | 1.6851 | 1.4879 | 2.5677 |
| 9 | 1.1485 | 1.5587 | 1.4657 | 1.8717 | 1.5592 | 1.6620 | 1.9457 | 0.9842 |
| | 2.2219 | 1.8446 | 1.9612 | 1.5981 | 1.8415 | 1.6955 | 1.4939 | 2.5909 |
| 10 | 1.2743 | 1.4659 | 1.2435 | 1.4157 | 1.8953 | 1.6593 | 1.9411 | 0.8886 |
| | 2.2738 | 1.9609 | 2.3004 | 2.0178 | 1.5651 | 1.6854 | 1.5189 | 2.9158 |
| 11 | 1.4628 | 1.8718 | 1.4161 | 1.7660 | 1.3966 | 1.8489 | 1.8223 | 0.8289 |
| | 1.9683 | 1.5980 | 2.0172 | 1.6547 | 1.9890 | 1.5426 | 1.5651 | 3.0998 |
| 12 | 1.9286 | 1.5592 | 1.8962 | 1.3980 | 1.1521 | 1.5167 | 1.0727 | |
| | 1.5500 | 1.8413 | 1.5644 | 1.9863 | 1.8690 | 1.6406 | 2.3115 | |
| 13 | 1.6316 | 1.6623 | 1.6622 | 1.8535 | 1.5190 | 0.8392 | 0.5343 | |
| | 1.6851 | 1.6957 | 1.6799 | 1.5382 | 1.6400 | 2.3120 | 4.1452 | |
| 14 | 1.9140 | 1.9452 | 1.9462 | 1.8295 | 1.0756 | 0.5349 | | |
| | 1.4879 | 1.4969 | 1.5151 | 1.5583 | 2.3029 | 4.1423 | | |
| 15 | 0.9750 | 0.9033 | 0.9568 | 0.8420 | F-SUB-Q | | | |
| | 2.5677 | 2.7545 | 2.7017 | 3.0459 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1313 | 1.1493 | 1.2781 | 1.4676 | 1.9540 | 1.6831 | 2.0082 | 1.0161 |
| | 1.9111 | 2.3660 | 2.3987 | 2.0706 | 1.6128 | 1.7668 | 1.5513 | 2.7177 |
| 9 | 1.1493 | 1.5909 | 1.4826 | 1.8923 | 1.5652 | 1.6867 | 2.0065 | 1.0181 |
| | 2.3660 | 1.9467 | 2.0529 | 1.6684 | 1.9351 | 1.7661 | 1.5527 | 2.7397 |
| 10 | 1.2781 | 1.4828 | 1.2607 | 1.4223 | 1.9106 | 1.6719 | 1.9734 | 0.8971 |
| | 2.3987 | 2.0525 | 2.4227 | 2.1214 | 1.6369 | 1.7697 | 1.5732 | 3.0554 |
| 11 | 1.4676 | 1.8923 | 1.4228 | 1.7855 | 1.3898 | 1.8614 | 1.8370 | 0.8232 |
| | 2.0706 | 1.6684 | 2.1208 | 1.7361 | 2.1147 | 1.6185 | 1.6393 | 3.2913 |
| 12 | 1.9540 | 1.5652 | 1.9113 | 1.3909 | 1.1425 | 1.5209 | 1.0624 | |
| | 1.6128 | 1.9351 | 1.6363 | 2.1121 | 1.9817 | 1.7276 | 2.4697 | |
| 13 | 1.6831 | 1.6867 | 1.6743 | 1.8655 | 1.5229 | 0.8279 | 0.5249 | |
| | 1.7668 | 1.7660 | 1.7648 | 1.6143 | 1.7270 | 2.4694 | 4.4492 | |
| 14 | 2.0082 | 2.0029 | 1.9777 | 1.8436 | 1.0650 | 0.5254 | | |
| | 1.5513 | 1.5555 | 1.5698 | 1.6326 | 2.4610 | 4.4463 | | |
| 15 | 1.0161 | 0.9312 | 0.9627 | 0.8366 | F-SUB-Q | | | |
| | 2.7177 | 2.9152 | 2.8379 | 3.2334 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1282 | 1.1434 | 1.2711 | 1.4575 | 1.9490 | 1.6900 | 2.0305 | 1.0268 |
| | 2.0423 | 2.5381 | 2.5853 | 2.2235 | 1.7261 | 1.8787 | 1.6382 | 2.8742 |
| 9 | 1.1434 | 1.5911 | 1.4773 | 1.8857 | 1.5545 | 1.6840 | 2.0219 | 1.0271 |
| | 2.5381 | 2.0845 | 2.2088 | 1.7882 | 2.0772 | 1.8874 | 1.6437 | 2.9012 |
| 10 | 1.2711 | 1.4776 | 1.2565 | 1.4129 | 1.9004 | 1.6638 | 1.9728 | 0.8968 |
| | 2.5853 | 2.2084 | 2.6086 | 2.2803 | 1.7388 | 1.8831 | 1.6780 | 3.2612 |
| 11 | 1.4575 | 1.8857 | 1.4133 | 1.7774 | 1.3763 | 1.8513 | 1.8287 | 0.8167 |
| | 2.2235 | 1.7882 | 2.2795 | 1.8594 | 2.2713 | 1.7334 | 1.7523 | 3.5033 |
| 12 | 1.9490 | 1.5544 | 1.9008 | 1.3772 | 1.1291 | 1.5092 | 1.0507 | |
| | 1.7261 | 2.0771 | 1.7380 | 2.2692 | 2.1179 | 1.8385 | 2.6442 | |
| 13 | 1.6900 | 1.6836 | 1.6658 | 1.8548 | 1.5110 | 0.8164 | 0.5166 | |
| | 1.8787 | 1.8876 | 1.8784 | 1.7293 | 1.8380 | 2.6482 | 4.7713 | |
| 14 | 2.0305 | 2.0181 | 1.9767 | 1.8347 | 1.0531 | 0.5171 | | |
| | 1.6382 | 1.6468 | 1.6738 | 1.7456 | 2.6384 | 4.7684 | | |
| 15 | 1.0268 | 0.9396 | 0.9621 | 0.8294 | F-SUB-Q | | | |
| | 2.8742 | 3.0866 | 3.0297 | 3.4435 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1275 | 1.1314 | 1.2573 | 1.4431 | 1.9389 | 1.6818 | 2.0322 | 1.0209 |
| | 2.2254 | 2.7740 | 2.7943 | 2.3941 | 1.8496 | 2.0394 | 1.7669 | 3.1214 |
| 9 | 1.1314 | 1.5870 | 1.4671 | 1.8758 | 1.5394 | 1.6741 | 2.0215 | 1.0190 |
| | 2.7740 | 2.2667 | 2.3816 | 1.9146 | 2.2342 | 2.0303 | 1.7751 | 3.1569 |
| 10 | 1.2573 | 1.4674 | 1.2429 | 1.3989 | 1.8887 | 1.6499 | 1.9662 | 0.8870 |
| | 2.7943 | 2.3811 | 2.8290 | 2.4535 | 1.8704 | 2.0266 | 1.7853 | 3.5207 |
| 11 | 1.4431 | 1.8758 | 1.3992 | 1.7681 | 1.3583 | 1.8408 | 1.8197 | 0.8044 |
| | 2.3941 | 1.9145 | 2.4528 | 2.0050 | 2.4773 | 1.8765 | 1.8925 | 3.8008 |
| 12 | 1.9389 | 1.5393 | 1.8890 | 1.3590 | 1.1176 | 1.5012 | 1.0356 | |
| | 1.8496 | 2.2341 | 1.8699 | 2.4753 | 2.3072 | 1.9916 | 2.8864 | |
| 13 | 1.6818 | 1.6728 | 1.6516 | 1.8439 | 1.5027 | 0.8063 | 0.5079 | |
| | 2.0394 | 2.0300 | 2.0234 | 1.8724 | 1.9912 | 2.8944 | 5.2193 | |
| 14 | 2.0322 | 2.0176 | 1.9696 | 1.8253 | 1.0378 | 0.5083 | | |
| | 1.7669 | 1.7763 | 1.7813 | 1.8861 | 2.8805 | 5.2165 | | |
| 15 | 1.0209 | 0.9324 | 0.9518 | 0.8165 | F-SUB-Q | | | |
| | 3.1214 | 3.3585 | 3.2670 | 3.7383 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1196 | 1.1295 | 1.2469 | 1.4136 | 1.8901 | 1.6475 | 1.9859 | 1.0138 |
| | 2.4995 | 3.1005 | 3.0563 | 2.6494 | 2.0466 | 2.2227 | 1.9337 | 3.3657 |
| 9 | 1.1295 | 1.5524 | 1.4374 | 1.8294 | 1.5068 | 1.6391 | 1.9747 | 1.0164 |
| | 3.1005 | 2.5416 | 2.6344 | 2.1279 | 2.4722 | 2.2295 | 1.9385 | 3.3846 |
| 10 | 1.2469 | 1.4377 | 1.2327 | 1.3779 | 1.8412 | 1.6150 | 1.9185 | 0.8875 |
| | 3.0563 | 2.6338 | 3.0843 | 2.7107 | 2.0856 | 2.2397 | 1.9749 | 3.7750 |
| 11 | 1.4136 | 1.8293 | 1.3781 | 1.7265 | 1.3472 | 1.7966 | 1.7761 | 0.8057 |
| | 2.6494 | 2.1279 | 2.7102 | 2.2410 | 2.7323 | 2.0975 | 2.1120 | 4.1181 |
| 12 | 1.8901 | 1.5066 | 1.8412 | 1.3478 | 1.1158 | 1.4703 | 1.0323 | |
| | 2.0466 | 2.4722 | 2.0852 | 2.7302 | 2.5805 | 2.2309 | 3.1583 | |
| 13 | 1.6475 | 1.6377 | 1.6165 | 1.7993 | 1.4716 | 0.8087 | 0.5080 | |
| | 2.2227 | 2.2296 | 2.2366 | 2.0934 | 2.2306 | 3.1873 | 5.7158 | |
| 14 | 1.9859 | 1.9708 | 1.9216 | 1.7812 | 1.0343 | 0.5084 | | |
| | 1.9337 | 1.9420 | 1.9709 | 2.1049 | 3.1518 | 5.7129 | | |
| 15 | 1.0138 | 0.9349 | 0.9535 | 0.8162 | F-SUB-Q | | | |
| | 3.3657 | 3.5813 | 3.4997 | 4.0584 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1375 | 1.1103 | 1.2256 | 1.4006 | 1.8872 | 1.6355 | 1.9881 | 0.9950 |
| | 2.7257 | 3.4023 | 3.4361 | 2.9504 | 2.2534 | 2.4441 | 2.1040 | 3.7227 |
| 9 | 1.1103 | 1.5572 | 1.4304 | 1.8291 | 1.4933 | 1.6272 | 1.9768 | 0.9951 |
| | 3.4023 | 2.7665 | 2.9250 | 2.3493 | 2.7503 | 2.4628 | 2.1138 | 3.7568 |
| 10 | 1.2256 | 1.4307 | 1.2107 | 1.3590 | 1.8407 | 1.6041 | 1.9211 | 0.8650 |
| | 3.4361 | 2.9243 | 3.4691 | 3.0365 | 2.3060 | 2.4833 | 2.1688 | 4.2388 |
| 11 | 1.4006 | 1.8290 | 1.3592 | 1.7305 | 1.3250 | 1.8013 | 1.7819 | 0.7833 |
| | 2.9504 | 2.3494 | 3.0359 | 2.4651 | 3.0742 | 2.3161 | 2.3265 | 4.6570 |
| 12 | 1.8872 | 1.4931 | 1.8407 | 1.3254 | 1.1156 | 1.4817 | 1.0140 | |
| | 2.2534 | 2.7505 | 2.3055 | 3.0738 | 2.8469 | 2.4427 | 3.5315 | |
| 13 | 1.6355 | 1.6258 | 1.6054 | 1.8037 | 1.4828 | 0.8036 | 0.4976 | |
| | 2.4441 | 2.4637 | 2.4803 | 2.3120 | 2.4424 | 3.5736 | 6.4298 | |
| 14 | 1.9881 | 1.9729 | 1.9239 | 1.7866 | 1.0157 | 0.4979 | | |
| | 2.1040 | 2.1177 | 2.1648 | 2.3192 | 3.5246 | 6.4267 | | |
| 15 | 0.9950 | 0.9112 | 0.9280 | 0.7945 | F-SUB-Q | | | |
| | 3.7227 | 3.9939 | 3.9361 | 4.5822 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1381 | 1.1015 | 1.2117 | 1.3812 | 1.8623 | 1.6116 | 1.9639 | 0.9811 |
| | 2.8163 | 3.4997 | 3.7652 | 3.2714 | 2.5176 | 2.7471 | 2.3672 | 4.1889 |
| 9 | 1.1015 | 1.5444 | 1.4142 | 1.8080 | 1.4721 | 1.6035 | 1.9530 | 0.9817 |
| | 3.4997 | 2.8425 | 3.1981 | 2.6090 | 3.0602 | 2.7698 | 2.3792 | 4.2259 |
| 10 | 1.2117 | 1.4145 | 1.1967 | 1.3416 | 1.8194 | 1.5829 | 1.8995 | 0.8541 |
| | 3.7652 | 3.1974 | 3.7850 | 3.3483 | 2.5509 | 2.7986 | 2.4436 | 4.7709 |
| 11 | 1.3812 | 1.8078 | 1.3417 | 1.7148 | 1.3110 | 1.7850 | 1.7661 | 0.7740 |
| | 3.2714 | 2.6091 | 3.3482 | 2.5772 | 3.2337 | 2.5191 | 2.5810 | 5.2569 |
| 12 | 1.8623 | 1.4718 | 1.8192 | 1.3113 | 1.1123 | 1.4745 | 1.0061 | |
| | 2.5176 | 3.0605 | 2.5512 | 3.2337 | 3.0460 | 2.6143 | 3.7622 | |
| 13 | 1.6116 | 1.6021 | 1.5840 | 1.7872 | 1.4754 | 0.8029 | 0.4943 | |
| | 2.7471 | 2.7717 | 2.7955 | 2.5170 | 2.6142 | 3.8285 | 6.8860 | |
| 14 | 1.9639 | 1.9492 | 1.9022 | 1.7704 | 1.0077 | 0.4946 | | |
| | 2.3672 | 2.3834 | 2.4391 | 2.5761 | 3.7555 | 6.8832 | | |
| 15 | 0.9811 | 0.8994 | 0.9164 | 0.7852 | F-SUB-Q | | | |
| | 4.1889 | 4.4894 | 4.4288 | 5.1715 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1279 | 1.1010 | 1.2047 | 1.3582 | 1.8226 | 1.5804 | 1.9221 | 0.9717 |
| | 2.8282 | 3.5025 | 3.6123 | 3.1650 | 2.4670 | 2.7060 | 2.3519 | 4.1001 |
| 9 | 1.1010 | 1.5201 | 1.3924 | 1.7726 | 1.4462 | 1.5726 | 1.9120 | 0.9751 |
| | 3.5025 | 2.8550 | 3.1217 | 2.5437 | 2.9735 | 2.7351 | 2.3692 | 4.1288 |
| 10 | 1.2047 | 1.3928 | 1.1901 | 1.3275 | 1.7841 | 1.5554 | 1.8622 | 0.8526 |
| | 3.6123 | 3.1209 | 3.6636 | 3.2712 | 2.5557 | 2.7868 | 2.4566 | 4.6759 |
| 11 | 1.3582 | 1.7724 | 1.3276 | 1.6860 | 1.3051 | 1.7552 | 1.7367 | 0.7764 |
| | 3.1650 | 2.5439 | 3.2710 | 2.5929 | 3.2366 | 2.5354 | 2.5974 | 5.2039 |
| 12 | 1.8226 | 1.4459 | 1.7838 | 1.3053 | 1.1103 | 1.4553 | 1.0076 | |
| | 2.4670 | 2.9739 | 2.5561 | 3.2365 | 3.0632 | 2.6340 | 3.7287 | |
| 13 | 1.5804 | 1.5714 | 1.5564 | 1.7571 | 1.4561 | 0.8062 | 0.4972 | |
| | 2.7060 | 2.7373 | 2.7846 | 2.5336 | 2.6340 | 3.8056 | 6.8228 | |
| 14 | 1.9221 | 1.9083 | 1.8647 | 1.7407 | 1.0091 | 0.4974 | | |
| | 2.3519 | 2.3737 | 2.4534 | 2.5928 | 3.7223 | 6.8203 | | |
| 15 | 0.9717 | 0.8977 | 0.9171 | 0.7860 | F-SUB-Q | | | |
| | 4.1001 | 4.3630 | 4.3343 | 5.1346 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1436 | 1.0946 | 1.1924 | 1.3533 | 1.8275 | 1.5737 | 1.9293 | 0.9557 |
| | 2.7218 | 3.3799 | 3.4811 | 3.0255 | 2.3419 | 2.5833 | 2.2270 | 3.9612 |
| 9 | 1.0946 | 1.5363 | 1.3950 | 1.7820 | 1.4407 | 1.5677 | 1.9201 | 0.9570 |
| | 3.3799 | 2.7476 | 2.9728 | 2.4110 | 2.8422 | 2.6109 | 2.2433 | 3.9987 |
| 10 | 1.1924 | 1.3953 | 1.1773 | 1.3194 | 1.7948 | 1.5541 | 1.8746 | 0.8347 |
| | 3.4811 | 2.9720 | 3.5333 | 3.1407 | 2.4230 | 2.6584 | 2.3252 | 4.5482 |
| 11 | 1.3533 | 1.7818 | 1.3195 | 1.7027 | 1.2944 | 1.7743 | 1.7563 | 0.7599 |
| | 3.0255 | 2.4113 | 3.1405 | 2.5267 | 3.1867 | 2.4766 | 2.5292 | 5.0763 |
| 12 | 1.8275 | 1.4404 | 1.7944 | 1.2945 | 1.1105 | 1.4789 | 0.9998 | |
| | 2.3419 | 2.8427 | 2.4235 | 3.1872 | 3.0163 | 2.5776 | 3.7210 | |
| 13 | 1.5737 | 1.5669 | 1.5549 | 1.7759 | 1.4794 | 0.8055 | 0.4928 | |
| | 2.5833 | 2.6131 | 2.6566 | 2.4751 | 2.5778 | 3.7880 | 6.7617 | |
| 14 | 1.9293 | 1.9163 | 1.8770 | 1.7601 | 1.0011 | 0.4929 | | |
| | 2.2270 | 2.2475 | 2.3224 | 2.5237 | 3.7152 | 6.7602 | | |
| 15 | 0.9557 | 0.8774 | 0.8965 | 0.7705 | F-SUB-Q | | | |
| | 3.9612 | 4.2434 | 4.2226 | 5.0013 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1692 | 1.1070 | 1.1909 | 1.3493 | 1.8245 | 1.5645 | 1.9248 | 0.9467 |
| | 2.4121 | 3.0041 | 3.2592 | 2.8621 | 2.2187 | 2.4608 | 2.1174 | 3.7777 |
| 9 | 1.1070 | 1.5515 | 1.3979 | 1.7839 | 1.4354 | 1.5617 | 1.9169 | 0.9456 |
| | 3.0041 | 2.4355 | 2.7786 | 2.2763 | 2.6945 | 2.4866 | 2.1325 | 3.8236 |
| 10 | 1.1909 | 1.3983 | 1.1749 | 1.3200 | 1.7997 | 1.5523 | 1.8780 | 0.8281 |
| | 3.2592 | 2.7778 | 3.3119 | 2.9515 | 2.2589 | 2.5279 | 2.2075 | 4.3364 |
| 11 | 1.3493 | 1.7836 | 1.3201 | 1.7182 | 1.2992 | 1.7906 | 1.7718 | 0.7568 |
| | 2.8621 | 2.2766 | 2.9516 | 2.2677 | 2.8695 | 2.2367 | 2.2875 | 4.8164 |
| 12 | 1.8245 | 1.4350 | 1.7992 | 1.2991 | 1.1291 | 1.5071 | 1.0086 | |
| | 2.2187 | 2.6950 | 2.2597 | 2.8701 | 2.7036 | 2.3092 | 3.3461 | |
| 13 | 1.5645 | 1.5609 | 1.5530 | 1.7920 | 1.5075 | 0.8225 | 0.4995 | |
| | 2.4608 | 2.4887 | 2.5265 | 2.2359 | 2.3096 | 3.3998 | 6.0916 | |
| 14 | 1.9248 | 1.9131 | 1.8802 | 1.7753 | 1.0097 | 0.4996 | | |
| | 2.1174 | 2.1365 | 2.2051 | 2.2844 | 3.3416 | 6.0904 | | |
| 15 | 0.9467 | 0.8686 | 0.8903 | 0.7674 | F-SUB-Q | | | |
| | 3.7777 | 4.0491 | 4.0229 | 4.7488 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2323 | 1.1361 | 1.2007 | 1.3492 | 1.8236 | 1.5575 | 1.9184 | 0.9436 |
| | 2.1656 | 2.6984 | 2.8665 | 2.5306 | 1.9705 | 2.2027 | 1.8968 | 3.3686 |
| 9 | 1.1361 | 1.5770 | 1.4070 | 1.7875 | 1.4342 | 1.5590 | 1.9122 | 0.9463 |
| | 2.6984 | 2.1842 | 2.4484 | 2.0108 | 2.3887 | 2.2235 | 1.9081 | 3.3953 |
| 10 | 1.2007 | 1.4074 | 1.1855 | 1.3268 | 1.8091 | 1.5552 | 1.8819 | 0.8301 |
| | 2.8665 | 2.4477 | 2.9120 | 2.6140 | 2.0280 | 2.2481 | 1.9648 | 3.8390 |
| 11 | 1.3492 | 1.7873 | 1.3269 | 1.7462 | 1.3214 | 1.8151 | 1.7926 | 0.7629 |
| | 2.5306 | 2.0111 | 2.6139 | 2.0365 | 2.5819 | 2.0111 | 2.0561 | 4.2470 |
| 12 | 1.8236 | 1.4338 | 1.8085 | 1.3212 | 1.1829 | 1.5598 | 1.0348 | |
| | 1.9705 | 2.3892 | 2.0288 | 2.5826 | 2.4426 | 2.0833 | 3.0086 | |
| 13 | 1.5575 | 1.5582 | 1.5567 | 1.8163 | 1.5600 | 0.8723 | 0.5189 | |
| | 2.2027 | 2.2254 | 2.2471 | 2.0105 | 2.0838 | 3.0678 | 5.5018 | |
| 14 | 1.9184 | 1.9085 | 1.8840 | 1.7958 | 1.0358 | 0.5189 | | |
| | 1.8968 | 1.9116 | 1.9630 | 2.0535 | 3.0047 | 5.5009 | | |
| 15 | 0.9436 | 0.8685 | 0.8921 | 0.7737 | F-SUB-Q | | | |
| | 3.3686 | 3.5980 | 3.5635 | 4.1847 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3833 | 1.1806 | 1.2200 | 1.3509 | 1.8170 | 1.5501 | 1.9042 | 0.9467 |
| | 2.1076 | 2.6198 | 2.7455 | 2.4506 | 1.9147 | 2.1426 | 1.8489 | 3.2531 |
| 9 | 1.1806 | 1.6049 | 1.4175 | 1.7861 | 1.4343 | 1.5563 | 1.8999 | 0.9523 |
| | 2.6198 | 2.1275 | 2.3655 | 1.9510 | 2.3153 | 2.1622 | 1.8590 | 3.2696 |
| 10 | 1.2200 | 1.4179 | 1.2048 | 1.3374 | 1.8232 | 1.5674 | 1.8797 | 0.8413 |
| | 2.7455 | 2.3647 | 2.7882 | 2.5182 | 1.9683 | 2.1782 | 1.9087 | 3.6757 |
| 11 | 1.3509 | 1.7858 | 1.3374 | 1.7789 | 1.3608 | 1.8409 | 1.8120 | 0.7809 |
| | 2.4506 | 1.9513 | 2.5183 | 1.9887 | 2.5140 | 1.9652 | 2.0096 | 4.0394 |
| 12 | 1.8170 | 1.4339 | 1.8226 | 1.3606 | 1.3218 | 1.6454 | 1.0793 | |
| | 1.9147 | 2.3158 | 1.9688 | 2.5146 | 2.3837 | 2.0364 | 2.8989 | |
| 13 | 1.5501 | 1.5555 | 1.5688 | 1.8419 | 1.6453 | 0.9764 | 0.5510 | |
| | 2.1426 | 2.1640 | 2.1773 | 1.9648 | 2.0370 | 2.9634 | 5.3081 | |
| 14 | 1.9042 | 1.8963 | 1.8817 | 1.8150 | 1.0801 | 0.5510 | | |
| | 1.8489 | 1.8623 | 1.9069 | 2.0072 | 2.8952 | 5.3074 | | |
| 15 | 0.9467 | 0.8775 | 0.9065 | 0.7900 | F-SUB-Q | | | |
| | 3.2531 | 3.4509 | 3.4028 | 3.9893 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6594 | 1.2703 | 1.2294 | 1.3675 | 1.8527 | 1.5644 | 1.9376 | 0.9407 |
| | 1.8716 | 2.3576 | 2.4858 | 2.2030 | 1.7065 | 1.9297 | 1.6506 | 2.9775 |
| 9 | 1.2703 | 1.6765 | 1.4490 | 1.8272 | 1.4515 | 1.5760 | 1.9352 | 0.9418 |
| | 2.3576 | 1.8911 | 2.1113 | 1.7351 | 2.0815 | 1.9443 | 1.6584 | 3.0074 |
| 10 | 1.2294 | 1.4495 | 1.2121 | 1.3618 | 1.8861 | 1.6022 | 1.9249 | 0.8326 |
| | 2.4858 | 2.1106 | 2.5280 | 2.2617 | 1.7458 | 1.9516 | 1.6962 | 3.3811 |
| 11 | 1.3675 | 1.8269 | 1.3618 | 1.8558 | 1.3925 | 1.9123 | 1.8773 | 0.7752 |
| | 2.2030 | 1.7354 | 2.2617 | 1.7606 | 2.2499 | 1.7377 | 1.7739 | 3.7126 |
| 12 | 1.8527 | 1.4511 | 1.8854 | 1.3921 | 1.4442 | 1.7904 | 1.1061 | |
| | 1.7065 | 2.0820 | 1.7463 | 2.2506 | 2.1364 | 1.8181 | 2.6452 | |
| 13 | 1.5644 | 1.5751 | 1.6035 | 1.9131 | 1.7901 | 1.0612 | 0.5700 | |
| | 1.9297 | 1.9449 | 1.9509 | 1.7374 | 1.8186 | 2.7054 | 4.9043 | |
| 14 | 1.9376 | 1.9315 | 1.9269 | 1.8802 | 1.1068 | 0.5700 | | |
| | 1.6506 | 1.6613 | 1.6947 | 1.7718 | 2.6419 | 4.9037 | | |
| 15 | 0.9407 | 0.8655 | 0.8964 | 0.7855 | F-SUB-Q | | | |
| | 2.9775 | 3.1827 | 3.1331 | 3.6611 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7578 | 1.3311 | 1.2428 | 1.3758 | 1.8650 | 1.5677 | 1.9440 | 0.9398 |
| | 1.6794 | 2.1204 | 2.2691 | 2.0198 | 1.5622 | 1.7753 | 1.5157 | 2.7505 |
| 9 | 1.3311 | 1.7377 | 1.4672 | 1.8434 | 1.4595 | 1.5834 | 1.9431 | 0.9412 |
| | 2.1204 | 1.7060 | 1.9235 | 1.5851 | 1.9091 | 1.7837 | 1.5216 | 2.7771 |
| 10 | 1.2428 | 1.4677 | 1.2257 | 1.3795 | 1.9171 | 1.6209 | 1.9409 | 0.8339 |
| | 2.2691 | 1.9228 | 2.3082 | 2.0644 | 1.5900 | 1.7851 | 1.5497 | 3.1157 |
| 11 | 1.3758 | 1.8430 | 1.3795 | 1.8976 | 1.4216 | 1.9485 | 1.9090 | 0.7805 |
| | 2.0198 | 1.5853 | 2.0644 | 1.6033 | 2.0538 | 1.5850 | 1.6176 | 3.4032 |
| 12 | 1.8650 | 1.4591 | 1.9163 | 1.4212 | 1.5168 | 1.8648 | 1.1329 | |
| | 1.5622 | 1.9096 | 1.5904 | 2.0544 | 1.9296 | 1.6405 | 2.4084 | |
| 13 | 1.5677 | 1.5825 | 1.6222 | 1.9493 | 1.8645 | 1.1138 | 0.5887 | |
| | 1.7753 | 1.7847 | 1.7845 | 1.5847 | 1.6409 | 2.4531 | 4.4598 | |
| 14 | 1.9440 | 1.9402 | 1.9430 | 1.9118 | 1.1336 | 0.5887 | | |
| | 1.5157 | 1.5243 | 1.5484 | 1.6154 | 2.4054 | 4.4592 | | |
| 15 | 0.9398 | 0.8647 | 0.8989 | 0.7908 | F-SUB-Q | | | |
| | 2.7505 | 2.9402 | 2.8836 | 3.3559 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7696 | 1.3464 | 1.2540 | 1.3676 | 1.8383 | 1.5508 | 1.9080 | 0.9397 |
| | 1.5824 | 1.9882 | 2.0977 | 1.8982 | 1.4796 | 1.6768 | 1.4418 | 2.5738 |
| 9 | 1.3464 | 1.7388 | 1.4618 | 1.8198 | 1.4496 | 1.5691 | 1.9086 | 0.9465 |
| | 1.9882 | 1.6135 | 1.7994 | 1.4985 | 1.7956 | 1.6803 | 1.4462 | 2.5840 |
| 10 | 1.2540 | 1.4623 | 1.2416 | 1.3775 | 1.8982 | 1.6115 | 1.9107 | 0.8412 |
| | 2.0977 | 1.7987 | 2.1314 | 1.9300 | 1.4904 | 1.6728 | 1.4668 | 2.8874 |
| 11 | 1.3676 | 1.8196 | 1.3774 | 1.8847 | 1.4300 | 1.9301 | 1.8874 | 0.7929 |
| | 1.8982 | 1.4987 | 1.9300 | 1.5054 | 1.9093 | 1.4855 | 1.5161 | 3.1254 |
| 12 | 1.8383 | 1.4491 | 1.8975 | 1.4297 | 1.5289 | 1.8641 | 1.1541 | |
| | 1.4796 | 1.7961 | 1.4910 | 1.9097 | 1.8141 | 1.5519 | 2.2330 | |
| 13 | 1.5508 | 1.5683 | 1.6129 | 1.9310 | 1.8638 | 1.1439 | 0.6051 | |
| | 1.6768 | 1.6812 | 1.6712 | 1.4850 | 1.5523 | 2.2661 | 4.1179 | |
| 14 | 1.9080 | 1.9069 | 1.9138 | 1.8906 | 1.1549 | 0.6051 | | |
| | 1.4418 | 1.4489 | 1.4653 | 1.5138 | 2.2297 | 4.1173 | | |
| 15 | 0.9397 | 0.8714 | 0.9101 | 0.8023 | F-SUB-Q | | | |
| | 2.5738 | 2.7298 | 2.6623 | 3.0859 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7659 | 1.3416 | 1.2290 | 1.3509 | 1.8211 | 1.5313 | 1.8840 | 0.9125 |
| | 1.4952 | 1.8753 | 2.0182 | 1.8166 | 1.4111 | 1.6065 | 1.3805 | 2.5120 |
| 9 | 1.3416 | 1.7353 | 1.4528 | 1.8042 | 1.4327 | 1.5513 | 1.8861 | 0.9161 |
| | 1.8753 | 1.5105 | 1.7057 | 1.4267 | 1.7173 | 1.6056 | 1.3838 | 2.5296 |
| 10 | 1.2290 | 1.4534 | 1.2135 | 1.3618 | 1.8824 | 1.5942 | 1.8896 | 0.8089 |
| | 2.0182 | 1.7050 | 2.0526 | 1.8399 | 1.4128 | 1.5892 | 1.3982 | 2.8416 |
| 11 | 1.3509 | 1.8040 | 1.3618 | 1.8723 | 1.4085 | 1.9123 | 1.8671 | 0.7626 |
| | 1.8166 | 1.4269 | 1.8398 | 1.4190 | 1.8155 | 1.4065 | 1.4403 | 3.0658 |
| 12 | 1.8211 | 1.4323 | 1.8818 | 1.4082 | 1.5243 | 1.8569 | 1.1243 | |
| | 1.4111 | 1.7177 | 1.4133 | 1.8159 | 1.7182 | 1.4659 | 2.1425 | |
| 13 | 1.5313 | 1.5506 | 1.5956 | 1.9136 | 1.8567 | 1.1243 | 0.5901 | |
| | 1.6065 | 1.6064 | 1.5875 | 1.4058 | 1.4662 | 2.1885 | 3.9969 | |
| 14 | 1.8840 | 1.8845 | 1.8937 | 1.8707 | 1.1252 | 0.5901 | | |
| | 1.3805 | 1.3864 | 1.3966 | 1.4379 | 2.1393 | 3.9959 | | |
| 15 | 0.9125 | 0.8376 | 0.8773 | 0.7733 | F-SUB-Q | | | |
| | 2.5120 | 2.6910 | 2.6136 | 3.0209 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6430 | 1.2676 | 1.1549 | 1.2700 | 1.6907 | 1.4372 | 1.7393 | 0.8532 |
| | 1.5178 | 1.8807 | 2.0503 | 1.8484 | 1.4531 | 1.6385 | 1.4300 | 2.5779 |
| 9 | 1.2676 | 1.6171 | 1.3710 | 1.6746 | 1.3482 | 1.4560 | 1.7414 | 0.8536 |
| | 1.8807 | 1.5388 | 1.7245 | 1.4681 | 1.7455 | 1.6355 | 1.4326 | 2.6046 |
| 10 | 1.1549 | 1.3716 | 1.1435 | 1.2793 | 1.7431 | 1.4951 | 1.7457 | 0.7511 |
| | 2.0504 | 1.7238 | 2.0777 | 1.8672 | 1.4489 | 1.6124 | 1.4437 | 2.9328 |
| 11 | 1.2700 | 1.6744 | 1.2793 | 1.7379 | 1.3237 | 1.7647 | 1.7195 | 0.7099 |
| | 1.8484 | 1.4683 | 1.8671 | 1.4557 | 1.8404 | 1.4485 | 1.4885 | 3.1481 |
| 12 | 1.6907 | 1.3478 | 1.7427 | 1.3235 | 1.4350 | 1.7221 | 1.0519 | |
| | 1.4531 | 1.7460 | 1.4493 | 1.8408 | 1.7266 | 1.4979 | 2.1804 | |
| 13 | 1.4372 | 1.4554 | 1.4966 | 1.7663 | 1.7220 | 1.0597 | 0.5552 | |
| | 1.6385 | 1.6363 | 1.6107 | 1.4487 | 1.4981 | 2.1978 | 4.0404 | |
| 14 | 1.7393 | 1.7401 | 1.7485 | 1.7233 | 1.0528 | 0.5553 | | |
| | 1.4300 | 1.4354 | 1.4417 | 1.4855 | 2.1769 | 4.0393 | | |
| 15 | 0.8532 | 0.7802 | 0.8207 | 0.7207 | F-SUB-Q | | | |
| | 2.5779 | 2.7718 | 2.6774 | 3.0985 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 350 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3461 | 1.0558 | 0.9651 | 1.0546 | 1.3822 | 1.1875 | 1.4107 | 0.7044 |
| | 1.7818 | 2.1748 | 2.3666 | 2.1501 | 1.7145 | 1.9170 | 1.7013 | 3.0257 |
| 9 | 1.0558 | 1.3267 | 1.1445 | 1.3698 | 1.1228 | 1.2012 | 1.4122 | 0.7099 |
| | 2.1748 | 1.8064 | 1.9925 | 1.7304 | 2.0237 | 1.9127 | 1.7041 | 3.0367 |
| 10 | 0.9651 | 1.1449 | 0.9551 | 1.0633 | 1.4206 | 1.2311 | 1.4132 | 0.6143 |
| | 2.3666 | 1.9918 | 2.3975 | 2.1639 | 1.7066 | 1.8835 | 1.7174 | 3.4723 |
| 11 | 1.0546 | 1.3697 | 1.0634 | 1.4241 | 1.0984 | 1.4322 | 1.3865 | 0.5847 |
| | 2.1501 | 1.7307 | 2.1639 | 1.7032 | 2.1289 | 1.7119 | 1.7736 | 3.6941 |
| 12 | 1.3822 | 1.1225 | 1.4203 | 1.0982 | 1.2047 | 1.3982 | 0.8645 | |
| | 1.7145 | 2.0241 | 1.7071 | 2.1291 | 1.9789 | 1.7746 | 2.5611 | |
| 13 | 1.1875 | 1.2008 | 1.2326 | 1.4322 | 1.3982 | 0.8822 | 0.4611 | |
| | 1.9170 | 1.9134 | 1.8812 | 1.7120 | 1.7747 | 2.5424 | 4.7019 | |
| 14 | 1.4107 | 1.4112 | 1.4157 | 1.3897 | 0.8653 | 0.4612 | | |
| | 1.7013 | 1.7074 | 1.7148 | 1.7697 | 2.5569 | 4.7002 | | |
| 15 | 0.7044 | 0.6414 | 0.6810 | 0.5926 | F-SUB-Q | | | |
| | 3.0257 | 3.2668 | 3.1298 | 3.6416 | M-SUB-Q | | | |

AT 50% POWER, 350 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5735 | 0.4854 | 0.4570 | 0.4949 | 0.5888 | 0.5103 | 0.5658 | 0.3110 |
| | 4.0399 | 4.5656 | 4.8414 | 4.4401 | 3.8987 | 4.3136 | 4.1048 | 6.6516 |
| 9 | 0.4854 | 0.5618 | 0.4956 | 0.5812 | 0.5154 | 0.5157 | 0.5659 | 0.3127 |
| | 4.5656 | 4.1109 | 4.4493 | 3.9495 | 4.2711 | 4.3065 | 4.1119 | 6.6910 |
| 10 | 0.4570 | 0.4958 | 0.4529 | 0.4985 | 0.6008 | 0.5257 | 0.5646 | 0.2896 |
| | 4.8414 | 4.4477 | 4.9009 | 4.4654 | 3.8969 | 4.2599 | 4.1560 | 7.1498 |
| 11 | 0.4949 | 0.5811 | 0.4985 | 0.5850 | 0.5132 | 0.6007 | 0.5480 | 0.2651 |
| | 4.4401 | 3.9499 | 4.4652 | 3.9998 | 4.4022 | 3.9373 | 4.3317 | 7.9049 |
| 12 | 0.5888 | 0.5153 | 0.6008 | 0.5132 | 0.5136 | 0.5598 | 0.3790 | |
| | 3.8987 | 4.2718 | 3.8979 | 4.4023 | 4.4895 | 4.2840 | 5.6437 | |
| 13 | 0.5103 | 0.5156 | 0.5264 | 0.6009 | 0.5599 | 0.3886 | 0.2142 | |
| | 4.3136 | 4.3076 | 4.2544 | 3.9363 | 4.2834 | 5.5920 | 9.8364 | |
| 14 | 0.5658 | 0.5652 | 0.5657 | 0.5495 | 0.3795 | 0.2142 | | |
| | 4.1048 | 4.1191 | 4.1483 | 4.3202 | 5.6325 | 9.8315 | | |
| 15 | 0.3110 | 0.2988 | 0.3024 | 0.2690 | F-SUB-Q | | | |
| | 6.6516 | 6.8163 | 6.8255 | 7.7802 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4230 | 0.4746 | 0.5277 | 0.6064 | 0.7129 | 0.5951 | 0.5058 | 0.2749 |
| | 3.7414 | 4.2184 | 4.2573 | 3.7783 | 3.4232 | 3.5768 | 3.5684 | 5.1655 |
| 9 | 0.4746 | 0.5515 | 0.5497 | 0.6896 | 0.6377 | 0.6238 | 0.6293 | 0.3579 |
| | 4.2184 | 4.0303 | 3.9595 | 3.5331 | 3.5915 | 3.5869 | 3.5866 | 5.2457 |
| 10 | 0.5277 | 0.5498 | 0.4316 | 0.5764 | 0.7134 | 0.6360 | 0.6730 | 0.3509 |
| | 4.2573 | 3.9588 | 4.2968 | 3.9106 | 3.4190 | 3.5130 | 3.6057 | 5.6817 |
| 11 | 0.6064 | 0.6897 | 0.5766 | 0.6351 | 0.5908 | 0.6923 | 0.6539 | 0.3450 |
| | 3.7783 | 3.5331 | 3.9102 | 3.8027 | 3.7997 | 3.4731 | 3.6780 | 5.9186 |
| 12 | 0.7129 | 0.6378 | 0.7140 | 0.5914 | 0.4622 | 0.5742 | 0.4393 | |
| | 3.4232 | 3.5915 | 3.4165 | 3.7963 | 3.7716 | 3.8807 | 4.5456 | |
| 13 | 0.5951 | 0.6243 | 0.6378 | 0.6942 | 0.5751 | 0.3718 | 0.2574 | |
| | 3.5768 | 3.5878 | 3.5042 | 3.4655 | 3.8797 | 4.6276 | 7.5968 | |
| 14 | 0.5058 | 0.6299 | 0.6761 | 0.6568 | 0.4406 | 0.2577 | | |
| | 3.5684 | 3.5938 | 3.5901 | 3.6631 | 4.5299 | 7.5863 | | |
| 15 | 0.2749 | 0.3410 | 0.3705 | 0.3505 | F-SUB-Q | | | |
| | 5.1655 | 5.4167 | 5.4283 | 5.8178 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.8393 | 0.8969 | 0.9819 | 1.1368 | 1.4292 | 1.1877 | 1.0378 | 0.5533 |
| | 1.9751 | 2.2697 | 2.3573 | 2.0779 | 1.7586 | 1.8210 | 1.7376 | 2.6280 |
| 9 | 0.8969 | 1.1083 | 1.1007 | 1.3841 | 1.2139 | 1.2426 | 1.3302 | 0.7211 |
| | 2.2697 | 2.0396 | 2.0308 | 1.8126 | 1.9442 | 1.8182 | 1.7453 | 2.6651 |
| 10 | 0.9819 | 1.1009 | 0.8012 | 1.0833 | 1.4343 | 1.3005 | 1.4323 | 0.6733 |
| | 2.3573 | 2.0305 | 2.3821 | 2.1381 | 1.7854 | 1.8068 | 1.7724 | 3.0287 |
| 11 | 1.1368 | 1.3843 | 1.0837 | 1.3164 | 1.1149 | 1.4231 | 1.4016 | 0.6823 |
| | 2.0779 | 1.8126 | 2.1379 | 1.8741 | 2.1127 | 1.7725 | 1.8002 | 3.1402 |
| 12 | 1.4292 | 1.2141 | 1.4353 | 1.1158 | 0.9392 | 1.2147 | 0.8941 | |
| | 1.7586 | 1.9442 | 1.7842 | 2.1110 | 1.9248 | 1.8661 | 2.3437 | |
| 13 | 1.1877 | 1.2436 | 1.3043 | 1.4268 | 1.2165 | 0.7392 | 0.4988 | |
| | 1.8210 | 1.8189 | 1.8016 | 1.7683 | 1.8657 | 2.3594 | 4.0210 | |
| 14 | 1.0378 | 1.3312 | 1.4394 | 1.4073 | 0.8965 | 0.4993 | | |
| | 1.7376 | 1.7491 | 1.7695 | 1.7936 | 2.3361 | 4.0188 | | |
| 15 | 0.5533 | 0.6632 | 0.7514 | 0.6927 | F-SUB-Q | | | |
| | 2.6280 | 2.8665 | 2.7775 | 3.0895 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.9791 | 1.0226 | 1.1311 | 1.3110 | 1.6645 | 1.3604 | 1.2416 | 0.6663 |
| | 1.7570 | 2.0346 | 2.0930 | 1.8492 | 1.5466 | 1.5991 | 1.5025 | 2.2714 |
| 9 | 1.0226 | 1.2855 | 1.2617 | 1.6122 | 1.3914 | 1.4228 | 1.5652 | 0.8610 |
| | 2.0346 | 1.7969 | 1.8152 | 1.5948 | 1.7386 | 1.6070 | 1.5065 | 2.2971 |
| 10 | 1.1311 | 1.2619 | 0.9501 | 1.2578 | 1.6740 | 1.5095 | 1.6854 | 0.8011 |
| | 2.0930 | 1.8150 | 2.1136 | 1.8991 | 1.5713 | 1.6010 | 1.5416 | 2.5740 |
| 11 | 1.3110 | 1.6124 | 1.2582 | 1.5324 | 1.3001 | 1.6764 | 1.6529 | 0.8132 |
| | 1.8492 | 1.5948 | 1.8989 | 1.6456 | 1.8709 | 1.5465 | 1.5681 | 2.7126 |
| 12 | 1.6645 | 1.3916 | 1.6751 | 1.3014 | 1.0956 | 1.4212 | 1.0617 | |
| | 1.5466 | 1.7386 | 1.5702 | 1.8691 | 1.7506 | 1.6325 | 2.0287 | |
| 13 | 1.3604 | 1.4242 | 1.5136 | 1.6805 | 1.4232 | 0.8550 | 0.5828 | |
| | 1.5991 | 1.6081 | 1.5967 | 1.5431 | 1.6322 | 2.0873 | 3.5001 | |
| 14 | 1.2416 | 1.5667 | 1.6934 | 1.6593 | 1.0644 | 0.5834 | | |
| | 1.5025 | 1.5099 | 1.5393 | 1.5625 | 2.0224 | 3.4983 | | |
| 15 | 0.6663 | 0.7996 | 0.8774 | 0.8244 | F-SUB-Q | | | |
| | 2.2714 | 2.4352 | 2.3924 | 2.6723 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0471 | 1.0716 | 1.1834 | 1.3830 | 1.7910 | 1.4331 | 1.3481 | 0.7037 |
| | 1.6901 | 2.0004 | 2.0737 | 1.8137 | 1.4860 | 1.5527 | 1.4226 | 2.2262 |
| 9 | 1.0716 | 1.3804 | 1.3346 | 1.7361 | 1.4681 | 1.5060 | 1.7048 | 0.9012 |
| | 2.0004 | 1.7286 | 1.7786 | 1.5317 | 1.7037 | 1.5624 | 1.4280 | 2.2583 |
| 10 | 1.1834 | 1.3348 | 0.9981 | 1.3205 | 1.8027 | 1.6017 | 1.8311 | 0.8409 |
| | 2.0737 | 1.7784 | 2.0804 | 1.8606 | 1.5010 | 1.5525 | 1.4625 | 2.5382 |
| 11 | 1.3830 | 1.7362 | 1.3209 | 1.6499 | 1.3649 | 1.8156 | 1.7949 | 0.8429 |
| | 1.8137 | 1.5318 | 1.8605 | 1.5764 | 1.8349 | 1.4678 | 1.4843 | 2.6970 |
| 12 | 1.7910 | 1.4682 | 1.8036 | 1.3660 | 1.1470 | 1.5343 | 1.1050 | |
| | 1.4860 | 1.7037 | 1.5002 | 1.8333 | 1.7077 | 1.5561 | 2.0037 | |
| 13 | 1.4331 | 1.5072 | 1.6056 | 1.8195 | 1.5362 | 0.8830 | 0.5966 | |
| | 1.5527 | 1.5639 | 1.5486 | 1.4650 | 1.5561 | 2.0738 | 3.5001 | |
| 14 | 1.3481 | 1.7060 | 1.8389 | 1.8010 | 1.1075 | 0.5971 | | |
| | 1.4226 | 1.4311 | 1.4606 | 1.4797 | 1.9979 | 3.4983 | | |
| 15 | 0.7037 | 0.8371 | 0.9184 | 0.8557 | F-SUB-Q | | | |
| | 2.2262 | 2.3981 | 2.3802 | 2.6525 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0606 | 1.0785 | 1.1995 | 1.3932 | 1.8142 | 1.4468 | 1.3932 | 0.7346 |
| | 1.7508 | 2.0866 | 2.1540 | 1.8861 | 1.5376 | 1.6116 | 1.4612 | 2.2999 |
| 9 | 1.0785 | 1.4016 | 1.3490 | 1.7599 | 1.4785 | 1.5210 | 1.7475 | 0.9213 |
| | 2.0866 | 1.7913 | 1.8560 | 1.5831 | 1.7707 | 1.6214 | 1.4674 | 2.3291 |
| 10 | 1.1995 | 1.3492 | 1.0174 | 1.3379 | 1.8224 | 1.6106 | 1.8607 | 0.8567 |
| | 2.1540 | 1.8558 | 2.1725 | 1.9308 | 1.5444 | 1.6035 | 1.4975 | 2.6048 |
| 11 | 1.3932 | 1.7599 | 1.3382 | 1.6704 | 1.3766 | 1.8365 | 1.8185 | 0.8525 |
| | 1.8861 | 1.5833 | 1.9307 | 1.6280 | 1.8900 | 1.5042 | 1.5186 | 2.7731 |
| 12 | 1.8142 | 1.4786 | 1.8230 | 1.3776 | 1.1510 | 1.5463 | 1.1112 | |
| | 1.5376 | 1.7708 | 1.5437 | 1.8886 | 1.7745 | 1.6025 | 2.0648 | |
| 13 | 1.4468 | 1.5218 | 1.6139 | 1.8398 | 1.5478 | 0.8805 | 0.5931 | |
| | 1.6116 | 1.6221 | 1.5999 | 1.5016 | 1.6026 | 2.1525 | 3.6513 | |
| 14 | 1.3932 | 1.7482 | 1.8676 | 1.8239 | 1.1134 | 0.5936 | | |
| | 1.4612 | 1.4705 | 1.4958 | 1.5143 | 2.0592 | 3.6500 | | |
| 15 | 0.7346 | 0.8586 | 0.9319 | 0.8671 | F-SUB-Q | | | |
| | 2.2999 | 2.4643 | 2.4469 | 2.7213 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0639 | 1.0904 | 1.2129 | 1.3919 | 1.8151 | 1.4594 | 1.4678 | 0.7925 |
| | 1.8586 | 2.2191 | 2.2723 | 1.9913 | 1.6273 | 1.7064 | 1.5415 | 2.4217 |
| 9 | 1.0904 | 1.4148 | 1.3618 | 1.7634 | 1.4768 | 1.5318 | 1.7789 | 0.9443 |
| | 2.2191 | 1.8996 | 1.9748 | 1.6698 | 1.8690 | 1.7158 | 1.5470 | 2.4453 |
| 10 | 1.2129 | 1.3620 | 1.0557 | 1.3484 | 1.8151 | 1.5989 | 1.8565 | 0.8732 |
| | 2.2723 | 1.9745 | 2.2987 | 2.0339 | 1.6318 | 1.6980 | 1.5698 | 2.7214 |
| 11 | 1.3919 | 1.7633 | 1.3486 | 1.6728 | 1.3727 | 1.8207 | 1.8058 | 0.8591 |
| | 1.9913 | 1.6699 | 2.0338 | 1.7218 | 1.9928 | 1.5911 | 1.6034 | 2.8945 |
| 12 | 1.8151 | 1.4768 | 1.8155 | 1.3733 | 1.1390 | 1.5264 | 1.1039 | |
| | 1.6273 | 1.8690 | 1.6318 | 1.9916 | 1.8873 | 1.6980 | 2.1784 | |
| 13 | 1.4594 | 1.5321 | 1.6016 | 1.8233 | 1.5279 | 0.8681 | 0.5851 | |
| | 1.7064 | 1.7168 | 1.6946 | 1.5887 | 1.6981 | 2.2813 | 3.8679 | |
| 14 | 1.4678 | 1.7789 | 1.8623 | 1.8104 | 1.1058 | 0.5854 | | |
| | 1.5415 | 1.5502 | 1.5677 | 1.5993 | 2.1729 | 3.8667 | | |
| 15 | 0.7925 | 0.8816 | 0.9428 | 0.8701 | F-SUB-Q | | | |
| | 2.4217 | 2.5765 | 2.5598 | 2.8521 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0759 | 1.0993 | 1.2245 | 1.3996 | 1.8360 | 1.4952 | 1.6407 | 0.9006 |
| | 1.9746 | 2.3692 | 2.4068 | 2.1035 | 1.7015 | 1.7991 | 1.6182 | 2.5782 |
| 9 | 1.0993 | 1.4735 | 1.3943 | 1.7876 | 1.4855 | 1.5692 | 1.8480 | 0.9626 |
| | 2.3692 | 2.0115 | 2.0749 | 1.7518 | 1.9727 | 1.7964 | 1.6186 | 2.6008 |
| 10 | 1.2245 | 1.3945 | 1.1488 | 1.3547 | 1.8257 | 1.5982 | 1.8778 | 0.8889 |
| | 2.4068 | 2.0746 | 2.4314 | 2.1496 | 1.7183 | 1.7974 | 1.6379 | 2.8666 |
| 11 | 1.3996 | 1.7876 | 1.3548 | 1.6975 | 1.3588 | 1.8190 | 1.8073 | 0.8481 |
| | 2.1035 | 1.7519 | 2.1495 | 1.8141 | 2.1403 | 1.6890 | 1.6985 | 3.1074 |
| 12 | 1.8360 | 1.4853 | 1.8258 | 1.3593 | 1.1206 | 1.5163 | 1.0846 | |
| | 1.7015 | 1.9729 | 1.7185 | 2.1393 | 2.0101 | 1.7971 | 2.3519 | |
| 13 | 1.4952 | 1.5691 | 1.6005 | 1.8211 | 1.5175 | 0.8484 | 0.5694 | |
| | 1.7991 | 1.7972 | 1.7959 | 1.6868 | 1.7974 | 2.4461 | 4.1692 | |
| 14 | 1.6407 | 1.8471 | 1.8807 | 1.8114 | 1.0861 | 0.5697 | | |
| | 1.6182 | 1.6216 | 1.6362 | 1.6945 | 2.3463 | 4.1682 | | |
| 15 | 0.9006 | 0.8987 | 0.9503 | 0.8626 | F-SUB-Q | | | |
| | 2.5782 | 2.7435 | 2.6988 | 3.0489 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0854 | 1.1129 | 1.2384 | 1.4057 | 1.8491 | 1.5704 | 1.8728 | 0.9840 |
| | 2.1066 | 2.5355 | 2.5934 | 2.2657 | 1.8225 | 1.9143 | 1.7111 | 2.7281 |
| 9 | 1.1129 | 1.5204 | 1.4204 | 1.8036 | 1.4920 | 1.5998 | 1.9017 | 0.9946 |
| | 2.5355 | 2.1499 | 2.2322 | 1.8816 | 2.1238 | 1.9224 | 1.7165 | 2.7559 |
| 10 | 1.2384 | 1.4207 | 1.2098 | 1.3646 | 1.8282 | 1.5995 | 1.8982 | 0.9069 |
| | 2.5934 | 2.2318 | 2.6176 | 2.3198 | 1.8357 | 1.9218 | 1.7518 | 3.0640 |
| 11 | 1.4057 | 1.8035 | 1.3648 | 1.7117 | 1.3491 | 1.8089 | 1.7996 | 0.8449 |
| | 2.2657 | 1.8818 | 2.3197 | 1.9420 | 2.3067 | 1.8198 | 1.8252 | 3.3223 |
| 12 | 1.8491 | 1.4919 | 1.8281 | 1.3493 | 1.1048 | 1.4999 | 1.0703 | |
| | 1.8225 | 2.1240 | 1.8358 | 2.3061 | 2.1475 | 1.9135 | 2.5307 | |
| 13 | 1.5704 | 1.5993 | 1.6006 | 1.8105 | 1.5008 | 0.8326 | 0.5579 | |
| | 1.9143 | 1.9234 | 1.9189 | 1.8182 | 1.9139 | 2.6216 | 4.4690 | |
| 14 | 1.8728 | 1.9002 | 1.9003 | 1.8035 | 1.0716 | 0.5581 | | |
| | 1.7111 | 1.7198 | 1.7504 | 1.8213 | 2.5274 | 4.4680 | | |
| 15 | 0.9840 | 0.9182 | 0.9630 | 0.8586 | F-SUB-Q | | | |
| | 2.7281 | 2.9073 | 2.8866 | 3.2619 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0945 | 1.1178 | 1.2445 | 1.4102 | 1.8651 | 1.6145 | 1.9482 | 1.0220 |
| | 2.2847 | 2.7585 | 2.8148 | 2.4418 | 1.9611 | 2.0753 | 1.8443 | 2.9585 |
| 9 | 1.1178 | 1.5490 | 1.4367 | 1.8183 | 1.4968 | 1.6183 | 1.9465 | 1.0253 |
| | 2.7585 | 2.3288 | 2.4168 | 2.0202 | 2.2874 | 2.0769 | 1.8527 | 2.9929 |
| 10 | 1.2445 | 1.4370 | 1.2272 | 1.3704 | 1.8331 | 1.6046 | 1.9148 | 0.9141 |
| | 2.8148 | 2.4163 | 2.8479 | 2.4987 | 1.9769 | 2.0714 | 1.8731 | 3.3220 |
| 11 | 1.4102 | 1.8181 | 1.3705 | 1.7215 | 1.3375 | 1.8036 | 1.7968 | 0.8378 |
| | 2.4418 | 2.0204 | 2.4985 | 2.1034 | 2.5202 | 1.9740 | 1.9748 | 3.6108 |
| 12 | 1.8651 | 1.4966 | 1.8327 | 1.3376 | 1.0891 | 1.4890 | 1.0547 | |
| | 1.9611 | 2.2876 | 1.9771 | 2.5199 | 2.3317 | 2.0683 | 2.7571 | |
| 13 | 1.6145 | 1.6175 | 1.6052 | 1.8048 | 1.4896 | 0.8176 | 0.5467 | |
| | 2.0753 | 2.0776 | 2.0700 | 1.9726 | 2.0688 | 2.8568 | 4.8768 | |
| 14 | 1.9482 | 1.9430 | 1.9164 | 1.8001 | 1.0557 | 0.5469 | | |
| | 1.8443 | 1.8563 | 1.8712 | 1.9709 | 2.7538 | 4.8760 | | |
| 15 | 1.0220 | 0.9444 | 0.9670 | 0.8491 | F-SUB-Q | | | |
| | 2.9585 | 3.1593 | 3.1373 | 3.5546 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0887 | 1.1326 | 1.2522 | 1.3983 | 1.8427 | 1.6125 | 1.9444 | 1.0404 |
| | 2.5489 | 3.0628 | 3.0629 | 2.6928 | 2.1632 | 2.2680 | 2.0248 | 3.1983 |
| 9 | 1.1326 | 1.5365 | 1.4270 | 1.7948 | 1.4829 | 1.6072 | 1.9364 | 1.0460 |
| | 3.0628 | 2.5956 | 2.6637 | 2.2380 | 2.5227 | 2.2753 | 2.0297 | 3.2181 |
| 10 | 1.2522 | 1.4273 | 1.2374 | 1.3695 | 1.8031 | 1.5868 | 1.8883 | 0.9281 |
| | 3.0629 | 2.6631 | 3.0926 | 2.7420 | 2.1990 | 2.2847 | 2.0687 | 3.5532 |
| 11 | 1.3983 | 1.7946 | 1.3695 | 1.6947 | 1.3355 | 1.7677 | 1.7611 | 0.8475 |
| | 2.6928 | 2.2383 | 2.7420 | 2.3345 | 2.7709 | 2.2084 | 2.2063 | 3.8969 |
| 12 | 1.8427 | 1.4826 | 1.8025 | 1.3354 | 1.0815 | 1.4574 | 1.0538 | |
| | 2.1632 | 2.5230 | 2.1995 | 2.7707 | 2.5939 | 2.3058 | 3.0033 | |
| 13 | 1.6125 | 1.6058 | 1.5871 | 1.7686 | 1.4579 | 0.8135 | 0.5459 | |
| | 2.2680 | 2.2764 | 2.2835 | 2.2070 | 2.3065 | 3.1261 | 5.3106 | |
| 14 | 1.9444 | 1.9327 | 1.8895 | 1.7637 | 1.0547 | 0.5459 | | |
| | 2.0248 | 2.0334 | 2.0669 | 2.2023 | 2.9997 | 5.3100 | | |
| 15 | 1.0404 | 0.9691 | 0.9864 | 0.8563 | F-SUB-Q | | | |
| | 3.1983 | 3.3767 | 3.3408 | 3.8473 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0987 | 1.1169 | 1.2386 | 1.3954 | 1.8537 | 1.6167 | 1.9665 | 1.0337 |
| | 2.7577 | 3.3133 | 3.4365 | 2.9897 | 2.3759 | 2.4879 | 2.1990 | 3.5279 |
| 9 | 1.1169 | 1.5517 | 1.4307 | 1.8063 | 1.4800 | 1.6100 | 1.9562 | 1.0355 |
| | 3.3133 | 2.7831 | 2.9485 | 2.4648 | 2.7988 | 2.5058 | 2.2093 | 3.5646 |
| 10 | 1.2386 | 1.4310 | 1.2232 | 1.3541 | 1.8104 | 1.5847 | 1.9008 | 0.9118 |
| | 3.4365 | 2.9478 | 3.4716 | 3.0746 | 2.4283 | 2.5286 | 2.2690 | 3.9812 |
| 11 | 1.3954 | 1.8060 | 1.3542 | 1.7040 | 1.3145 | 1.7735 | 1.7694 | 0.8255 |
| | 2.9897 | 2.4651 | 3.0745 | 2.5483 | 3.0772 | 2.4398 | 2.4297 | 4.4213 |
| 12 | 1.8537 | 1.4797 | 1.8098 | 1.3142 | 1.0694 | 1.4615 | 1.0334 | |
| | 2.3759 | 2.7991 | 2.4290 | 3.0782 | 2.8519 | 2.5170 | 3.3443 | |
| 13 | 1.6167 | 1.6085 | 1.5848 | 1.7741 | 1.4617 | 0.8008 | 0.5329 | |
| | 2.4879 | 2.5080 | 2.5277 | 2.4384 | 2.5178 | 3.4928 | 5.9519 | |
| 14 | 1.9665 | 1.9524 | 1.9017 | 1.7720 | 1.0341 | 0.5330 | | |
| | 2.1990 | 2.2135 | 2.2676 | 2.4254 | 3.3407 | 5.9513 | | |
| 15 | 1.0337 | 0.9551 | 0.9659 | 0.8371 | F-SUB-Q | | | |
| | 3.5279 | 3.7578 | 3.7556 | 4.3481 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1073 | 1.1123 | 1.2300 | 1.3818 | 1.8371 | 1.6016 | 1.9527 | 1.0260 |
| | 2.7670 | 3.3273 | 3.5722 | 3.1472 | 2.5418 | 2.7010 | 2.4070 | 3.8506 |
| 9 | 1.1123 | 1.5446 | 1.4201 | 1.7919 | 1.4649 | 1.5943 | 1.9415 | 1.0280 |
| | 3.3273 | 2.7915 | 3.0574 | 2.6098 | 2.9666 | 2.7271 | 2.4237 | 3.8922 |
| 10 | 1.2300 | 1.4205 | 1.2142 | 1.3408 | 1.7933 | 1.5678 | 1.8840 | 0.9041 |
| | 3.5722 | 3.0567 | 3.5991 | 3.2224 | 2.5525 | 2.7441 | 2.5134 | 4.3753 |
| 11 | 1.3818 | 1.7917 | 1.3408 | 1.6913 | 1.3021 | 1.7570 | 1.7534 | 0.8173 |
| | 3.1472 | 2.6102 | 3.2228 | 2.5666 | 3.1195 | 2.5152 | 2.5592 | 4.8628 |
| 12 | 1.8371 | 1.4645 | 1.7925 | 1.3018 | 1.0697 | 1.4518 | 1.0247 | |
| | 2.5418 | 2.9671 | 2.5538 | 3.1208 | 2.9402 | 2.5940 | 3.4277 | |
| 13 | 1.6016 | 1.5928 | 1.5677 | 1.7574 | 1.4518 | 0.8002 | 0.5285 | |
| | 2.7010 | 2.7295 | 2.7433 | 2.5157 | 2.5950 | 3.6019 | 6.1229 | |
| 14 | 1.9527 | 1.9378 | 1.8847 | 1.7557 | 1.0253 | 0.5284 | | |
| | 2.4070 | 2.4282 | 2.5125 | 2.5579 | 3.4244 | 6.1226 | | |
| 15 | 1.0260 | 0.9485 | 0.9586 | 0.8292 | F-SUB-Q | | | |
| | 3.8506 | 4.0985 | 4.1268 | 4.7854 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1100 | 1.1167 | 1.2254 | 1.3605 | 1.8000 | 1.5735 | 1.9143 | 1.0189 |
| | 2.8105 | 3.3672 | 3.4312 | 3.0500 | 2.4735 | 2.6186 | 2.3377 | 3.6915 |
| 9 | 1.1167 | 1.5211 | 1.3991 | 1.7580 | 1.4407 | 1.5658 | 1.9031 | 1.0240 |
| | 3.3672 | 2.8357 | 2.9916 | 2.5382 | 2.8777 | 2.6459 | 2.3554 | 3.7212 |
| 10 | 1.2254 | 1.3995 | 1.2096 | 1.3322 | 1.7577 | 1.5401 | 1.8461 | 0.9035 |
| | 3.4312 | 2.9909 | 3.4815 | 3.1402 | 2.5610 | 2.7008 | 2.4474 | 4.1762 |
| 11 | 1.3605 | 1.7577 | 1.3321 | 1.6619 | 1.2965 | 1.7238 | 1.7195 | 0.8207 |
| | 3.0500 | 2.5386 | 3.1405 | 2.6124 | 3.1487 | 2.5629 | 2.6076 | 4.6794 |
| 12 | 1.8000 | 1.4403 | 1.7569 | 1.2960 | 1.0750 | 1.4306 | 1.0245 | |
| | 2.4735 | 2.8782 | 2.5622 | 3.1501 | 2.9920 | 2.6460 | 3.4348 | |
| 13 | 1.5735 | 1.5642 | 1.5399 | 1.7239 | 1.4306 | 0.8064 | 0.5301 | |
| | 2.6186 | 2.6484 | 2.7007 | 2.5636 | 2.6472 | 3.6202 | 6.1351 | |
| 14 | 1.9143 | 1.8993 | 1.8466 | 1.7212 | 1.0250 | 0.5300 | | |
| | 2.3377 | 2.3599 | 2.4469 | 2.6065 | 3.4316 | 6.1351 | | |
| 15 | 1.0189 | 0.9492 | 0.9608 | 0.8288 | F-SUB-Q | | | |
| | 3.6915 | 3.9002 | 3.9275 | 4.6250 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1180 | 1.0968 | 1.2063 | 1.3507 | 1.7984 | 1.5625 | 1.9153 | 1.0001 |
| | 2.7772 | 3.3381 | 3.3605 | 2.9600 | 2.3842 | 2.5380 | 2.2483 | 3.6190 |
| 9 | 1.0968 | 1.5281 | 1.3954 | 1.7598 | 1.4300 | 1.5552 | 1.9042 | 1.0022 |
| | 3.3381 | 2.7950 | 2.8925 | 2.4435 | 2.7928 | 2.5643 | 2.2655 | 3.6593 |
| 10 | 1.2063 | 1.3957 | 1.1898 | 1.3121 | 1.7580 | 1.5309 | 1.8485 | 0.8814 |
| | 3.3605 | 2.8917 | 3.4126 | 3.0715 | 2.4676 | 2.6176 | 2.3543 | 4.1234 |
| 11 | 1.3507 | 1.7594 | 1.3120 | 1.6669 | 1.2753 | 1.7278 | 1.7258 | 0.7971 |
| | 2.9600 | 2.4439 | 3.0715 | 2.5929 | 3.1689 | 2.5527 | 2.5573 | 4.6464 |
| 12 | 1.7984 | 1.4296 | 1.7570 | 1.2747 | 1.0667 | 1.4395 | 1.0067 | |
| | 2.3842 | 2.7935 | 2.4690 | 3.1704 | 2.9958 | 2.6341 | 3.4917 | |
| 13 | 1.5625 | 1.5536 | 1.5305 | 1.7277 | 1.4392 | 0.7984 | 0.5199 | |
| | 2.5380 | 2.5667 | 2.6179 | 2.5536 | 2.6354 | 3.6725 | 6.2312 | |
| 14 | 1.9153 | 1.9005 | 1.8489 | 1.7275 | 1.0070 | 0.5198 | | |
| | 2.2483 | 2.2698 | 2.3540 | 2.5548 | 3.4890 | 6.2316 | | |
| 15 | 1.0001 | 0.9254 | 0.9343 | 0.8080 | F-SUB-Q | | | |
| | 3.6190 | 3.8507 | 3.8905 | 4.5749 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1200 | 1.0942 | 1.1963 | 1.3394 | 1.7862 | 1.5465 | 1.9018 | 0.9873 |
| | 2.4835 | 2.9842 | 3.2281 | 2.8548 | 2.3049 | 2.4659 | 2.1801 | 3.5201 |
| 9 | 1.0942 | 1.5266 | 1.3881 | 1.7509 | 1.4171 | 1.5396 | 1.8912 | 0.9867 |
| | 2.9842 | 2.5043 | 2.7728 | 2.3538 | 2.7001 | 2.4911 | 2.1969 | 3.5693 |
| 10 | 1.1963 | 1.3884 | 1.1786 | 1.3027 | 1.7480 | 1.5180 | 1.8383 | 0.8700 |
| | 3.2281 | 2.7720 | 3.2824 | 2.9585 | 2.3814 | 2.5408 | 2.2813 | 4.0105 |
| 11 | 1.3394 | 1.7505 | 1.3026 | 1.6625 | 1.2647 | 1.7222 | 1.7214 | 0.7880 |
| | 2.8548 | 2.3542 | 2.9586 | 2.3739 | 2.9091 | 2.3594 | 2.3954 | 4.5087 |
| 12 | 1.7862 | 1.4166 | 1.7470 | 1.2641 | 1.0616 | 1.4405 | 1.0004 | |
| | 2.3049 | 2.7007 | 2.3830 | 2.9106 | 2.7428 | 2.4153 | 3.2057 | |
| 13 | 1.5465 | 1.5381 | 1.5175 | 1.7218 | 1.4399 | 0.7964 | 0.5170 | |
| | 2.4659 | 2.4934 | 2.5413 | 2.3613 | 2.4166 | 3.3558 | 5.6566 | |
| 14 | 1.9018 | 1.8876 | 1.8385 | 1.7229 | 1.0006 | 0.5168 | | |
| | 2.1801 | 2.2010 | 2.2812 | 2.3953 | 3.2036 | 5.6573 | | |
| 15 | 0.9873 | 0.9127 | 0.9200 | 0.7976 | F-SUB-Q | | | |
| | 3.5201 | 3.7483 | 3.7936 | 4.4473 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1305 | 1.0971 | 1.1964 | 1.3309 | 1.7743 | 1.5317 | 1.8853 | 0.9799 |
| | 2.2147 | 2.6612 | 2.8542 | 2.5598 | 2.0775 | 2.2466 | 1.9924 | 3.1881 |
| 9 | 1.0971 | 1.5281 | 1.3843 | 1.7418 | 1.4070 | 1.5253 | 1.8756 | 0.9830 |
| | 2.6612 | 2.2303 | 2.4598 | 2.1112 | 2.4290 | 2.2668 | 2.0051 | 3.2193 |
| 10 | 1.1964 | 1.3847 | 1.1797 | 1.2970 | 1.7395 | 1.5076 | 1.8268 | 0.8671 |
| | 2.8542 | 2.4591 | 2.9007 | 2.6418 | 2.1252 | 2.2996 | 2.0705 | 3.6049 |
| 11 | 1.3309 | 1.7415 | 1.2969 | 1.6611 | 1.2661 | 1.7184 | 1.7172 | 0.7874 |
| | 2.5598 | 2.1116 | 2.6418 | 2.1182 | 2.6004 | 2.1101 | 2.1410 | 4.0225 |
| 12 | 1.7743 | 1.4066 | 1.7383 | 1.2654 | 1.0709 | 1.4458 | 1.0055 | |
| | 2.0775 | 2.4296 | 2.1267 | 2.6018 | 2.4623 | 2.1662 | 2.8627 | |
| 13 | 1.5317 | 1.5238 | 1.5070 | 1.7179 | 1.4452 | 0.8058 | 0.5220 | |
| | 2.2466 | 2.2688 | 2.3002 | 2.1116 | 2.1674 | 3.0027 | 5.0714 | |
| 14 | 1.8853 | 1.8720 | 1.8268 | 1.7184 | 1.0056 | 0.5218 | | |
| | 1.9924 | 2.0086 | 2.0707 | 2.1411 | 2.8610 | 5.0721 | | |
| 15 | 0.9799 | 0.9087 | 0.9202 | 0.7986 | F-SUB-Q | | | |
| | 3.1881 | 3.3822 | 3.3983 | 3.9601 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1557 | 1.1226 | 1.2088 | 1.3262 | 1.7600 | 1.5185 | 1.8637 | 0.9804 |
| | 2.1372 | 2.5610 | 2.6987 | 2.4509 | 1.9971 | 2.1625 | 1.9223 | 3.0443 |
| 9 | 1.1226 | 1.5335 | 1.3845 | 1.7309 | 1.4005 | 1.5142 | 1.8552 | 0.9868 |
| | 2.5610 | 2.1538 | 2.3491 | 2.0260 | 2.3283 | 2.1810 | 1.9337 | 3.0639 |
| 10 | 1.2088 | 1.3849 | 1.1924 | 1.3068 | 1.7312 | 1.5011 | 1.8124 | 0.8751 |
| | 2.6987 | 2.3483 | 2.7415 | 2.5111 | 2.0511 | 2.2048 | 1.9914 | 3.4128 |
| 11 | 1.3262 | 1.7306 | 1.3066 | 1.6643 | 1.2850 | 1.7187 | 1.7148 | 0.8021 |
| | 2.4509 | 2.0264 | 2.5115 | 2.0518 | 2.5047 | 2.0464 | 2.0773 | 3.7757 |
| 12 | 1.7600 | 1.4000 | 1.7301 | 1.2842 | 1.0991 | 1.4619 | 1.0291 | |
| | 1.9971 | 2.3289 | 2.0520 | 2.5063 | 2.3839 | 2.1022 | 2.7329 | |
| 13 | 1.5185 | 1.5128 | 1.5005 | 1.7180 | 1.4612 | 0.8353 | 0.5393 | |
| | 2.1625 | 2.1829 | 2.2054 | 2.0484 | 2.1035 | 2.8773 | 4.8462 | |
| 14 | 1.8637 | 1.8516 | 1.8124 | 1.7154 | 1.0291 | 0.5391 | | |
| | 1.9223 | 1.9371 | 1.9915 | 2.0775 | 2.7314 | 4.8470 | | |
| 15 | 0.9804 | 0.9157 | 0.9315 | 0.8096 | F-SUB-Q | | | |
| | 3.0443 | 3.2065 | 3.2079 | 3.7352 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2410 | 1.1531 | 1.2123 | 1.3383 | 1.7890 | 1.5279 | 1.8899 | 0.9723 |
| | 1.8817 | 2.2836 | 2.4196 | 2.1802 | 1.7622 | 1.9284 | 1.7002 | 2.7563 |
| 9 | 1.1531 | 1.5867 | 1.4099 | 1.7642 | 1.4126 | 1.5280 | 1.8829 | 0.9736 |
| | 2.2836 | 1.9025 | 2.0741 | 1.7837 | 2.0717 | 1.9428 | 1.7087 | 2.7889 |
| 10 | 1.2123 | 1.4103 | 1.1940 | 1.3158 | 1.7694 | 1.5198 | 1.8483 | 0.8642 |
| | 2.4196 | 2.0734 | 2.4614 | 2.2369 | 1.8025 | 1.9562 | 1.7526 | 3.1046 |
| 11 | 1.3383 | 1.7639 | 1.3157 | 1.7220 | 1.2996 | 1.7723 | 1.7660 | 0.7920 |
| | 2.1802 | 1.7841 | 2.2370 | 1.8061 | 2.2338 | 1.8017 | 1.8240 | 3.4395 |
| 12 | 1.7890 | 1.4121 | 1.7681 | 1.2987 | 1.1548 | 1.5427 | 1.0456 | |
| | 1.7622 | 2.0723 | 1.8034 | 2.2351 | 2.1177 | 1.8613 | 2.4798 | |
| 13 | 1.5279 | 1.5267 | 1.5190 | 1.7714 | 1.5418 | 0.8837 | 0.5532 | |
| | 1.9284 | 1.9446 | 1.9569 | 1.8030 | 1.8626 | 2.6045 | 4.4351 | |
| 14 | 1.8899 | 1.8793 | 1.8481 | 1.7664 | 1.0454 | 0.5530 | | |
| | 1.7002 | 1.7117 | 1.7530 | 1.8243 | 2.4785 | 4.4360 | | |
| 15 | 0.9723 | 0.9011 | 0.9151 | 0.8017 | F-SUB-Q | | | |
| | 2.7563 | 2.9262 | 2.9336 | 3.3928 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4219 | 1.2094 | 1.2311 | 1.3502 | 1.8051 | 1.5345 | 1.9001 | 0.9747 |
| | 1.6719 | 2.0336 | 2.1788 | 1.9730 | 1.5929 | 1.7519 | 1.5416 | 2.5112 |
| 9 | 1.2094 | 1.6361 | 1.4339 | 1.7848 | 1.4242 | 1.5394 | 1.8948 | 0.9764 |
| | 2.0336 | 1.6961 | 1.8644 | 1.6086 | 1.8759 | 1.7610 | 1.5482 | 2.5399 |
| 10 | 1.2311 | 1.4344 | 1.2123 | 1.3358 | 1.8030 | 1.5434 | 1.8694 | 0.8690 |
| | 2.1788 | 1.8637 | 2.2167 | 2.0162 | 1.6206 | 1.7666 | 1.5811 | 2.8209 |
| 11 | 1.3502 | 1.7845 | 1.3357 | 1.7772 | 1.3372 | 1.8196 | 1.8071 | 0.8016 |
| | 1.9730 | 1.6089 | 2.0161 | 1.6254 | 2.0147 | 1.6240 | 1.6469 | 3.1079 |
| 12 | 1.8051 | 1.4237 | 1.8017 | 1.3363 | 1.3030 | 1.6473 | 1.0859 | |
| | 1.5929 | 1.8764 | 1.6215 | 2.0159 | 1.8935 | 1.6637 | 2.2295 | |
| 13 | 1.5345 | 1.5380 | 1.5432 | 1.8186 | 1.6463 | 0.9915 | 0.5837 | |
| | 1.7519 | 1.7626 | 1.7672 | 1.6257 | 1.6648 | 2.3364 | 3.9860 | |
| 14 | 1.9001 | 1.8913 | 1.8692 | 1.8074 | 1.0857 | 0.5835 | | |
| | 1.5416 | 1.5509 | 1.5814 | 1.6472 | 2.2285 | 3.9868 | | |
| 15 | 0.9747 | 0.9034 | 0.9210 | 0.8115 | F-SUB-Q | | | |
| | 2.5112 | 2.6657 | 2.6631 | 3.0654 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6579 | 1.2860 | 1.2603 | 1.3561 | 1.7971 | 1.5322 | 1.8835 | 0.9849 |
| | 1.5468 | 1.8763 | 1.9759 | 1.8226 | 1.4828 | 1.6266 | 1.4407 | 2.3072 |
| 9 | 1.2860 | 1.6696 | 1.4475 | 1.7810 | 1.4288 | 1.5408 | 1.8798 | 0.9927 |
| | 1.8763 | 1.5773 | 1.7137 | 1.4944 | 1.7343 | 1.6312 | 1.4455 | 2.3190 |
| 10 | 1.2603 | 1.4480 | 1.2430 | 1.3543 | 1.8183 | 1.5574 | 1.8624 | 0.8869 |
| | 1.9759 | 1.7131 | 2.0076 | 1.8453 | 1.4991 | 1.6290 | 1.4700 | 2.5660 |
| 11 | 1.3561 | 1.7806 | 1.3542 | 1.8051 | 1.3853 | 1.8395 | 1.8193 | 0.8280 |
| | 1.8226 | 1.4947 | 1.8456 | 1.5016 | 1.8389 | 1.4979 | 1.5159 | 2.7940 |
| 12 | 1.7971 | 1.4283 | 1.8170 | 1.3844 | 1.4305 | 1.7419 | 1.1383 | |
| | 1.4829 | 1.7348 | 1.4998 | 1.8401 | 1.7512 | 1.5477 | 2.0295 | |
| 13 | 1.5322 | 1.5395 | 1.5573 | 1.8386 | 1.7409 | 1.0954 | 0.6228 | |
| | 1.6266 | 1.6326 | 1.6292 | 1.4989 | 1.5487 | 2.1207 | 3.6144 | |
| 14 | 1.8835 | 1.8763 | 1.8624 | 1.8197 | 1.1382 | 0.6225 | | |
| | 1.4407 | 1.4481 | 1.4702 | 1.5159 | 2.0282 | 3.6150 | | |
| 15 | 0.9849 | 0.9207 | 0.9480 | 0.8358 | F-SUB-Q | | | |
| | 2.3072 | 2.4285 | 2.4019 | 2.7637 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7444 | 1.3385 | 1.2555 | 1.3607 | 1.8097 | 1.5351 | 1.8900 | 0.9709 |
| | 1.4322 | 1.7355 | 1.8657 | 1.7094 | 1.3845 | 1.5273 | 1.3495 | 2.2045 |
| 9 | 1.3385 | 1.7262 | 1.4648 | 1.7966 | 1.4342 | 1.5474 | 1.8876 | 0.9751 |
| | 1.7355 | 1.4464 | 1.5919 | 1.3925 | 1.6259 | 1.5276 | 1.3532 | 2.2242 |
| 10 | 1.2555 | 1.4654 | 1.2379 | 1.3586 | 1.8453 | 1.5711 | 1.8766 | 0.8665 |
| | 1.8657 | 1.5913 | 1.8969 | 1.7297 | 1.3920 | 1.5155 | 1.3704 | 2.4737 |
| 11 | 1.3607 | 1.7962 | 1.3585 | 1.8422 | 1.3892 | 1.8693 | 1.8443 | 0.8104 |
| | 1.7094 | 1.3928 | 1.7299 | 1.3863 | 1.7193 | 1.3872 | 1.4076 | 2.6872 |
| 12 | 1.8097 | 1.4337 | 1.8441 | 1.3884 | 1.4849 | 1.8084 | 1.1407 | |
| | 1.3845 | 1.6263 | 1.3930 | 1.7203 | 1.6255 | 1.4311 | 1.9087 | |
| 13 | 1.5351 | 1.5461 | 1.5711 | 1.8685 | 1.8075 | 1.1269 | 0.6295 | |
| | 1.5273 | 1.5289 | 1.5154 | 1.3880 | 1.4319 | 2.0073 | 3.4335 | |
| 14 | 1.8900 | 1.8840 | 1.8768 | 1.8449 | 1.1406 | 0.6293 | | |
| | 1.3495 | 1.3556 | 1.3704 | 1.4075 | 1.9074 | 3.4339 | | |
| 15 | 0.9709 | 0.8983 | 0.9268 | 0.8217 | F-SUB-Q | | | |
| | 2.2046 | 2.3449 | 2.3144 | 2.6462 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6914 | 1.3090 | 1.2100 | 1.3108 | 1.7287 | 1.4772 | 1.7946 | 0.9271 |
| | 1.4096 | 1.6963 | 1.8449 | 1.6922 | 1.3809 | 1.5132 | 1.3543 | 2.2061 |
| 9 | 1.3090 | 1.6687 | 1.4206 | 1.7172 | 1.3827 | 1.4893 | 1.7932 | 0.9287 |
| | 1.6963 | 1.4291 | 1.5634 | 1.3877 | 1.6079 | 1.5132 | 1.3571 | 2.2318 |
| 10 | 1.2100 | 1.4211 | 1.1965 | 1.3120 | 1.7663 | 1.5144 | 1.7870 | 0.8219 |
| | 1.8449 | 1.5628 | 1.8673 | 1.7079 | 1.3805 | 1.4946 | 1.3699 | 2.4917 |
| 11 | 1.3108 | 1.7169 | 1.3119 | 1.7669 | 1.3436 | 1.7863 | 1.7567 | 0.7747 |
| | 1.6922 | 1.3879 | 1.7081 | 1.3791 | 1.6988 | 1.3813 | 1.4060 | 2.6833 |
| 12 | 1.7287 | 1.3822 | 1.7652 | 1.3429 | 1.4530 | 1.7438 | 1.1000 | |
| | 1.3809 | 1.6084 | 1.3814 | 1.6997 | 1.5867 | 1.4165 | 1.8929 | |
| 13 | 1.4772 | 1.4882 | 1.5147 | 1.7860 | 1.7431 | 1.1018 | 0.6131 | |
| | 1.5132 | 1.5144 | 1.4942 | 1.3823 | 1.4173 | 1.9637 | 3.3809 | |
| 14 | 1.7946 | 1.7897 | 1.7877 | 1.7579 | 1.1001 | 0.6129 | | |
| | 1.3543 | 1.3597 | 1.3696 | 1.4053 | 1.8914 | 3.3810 | | |
| 15 | 0.9271 | 0.8538 | 0.8865 | 0.7839 | F-SUB-Q | | | |
| | 2.2061 | 2.3578 | 2.3115 | 2.6478 | M-SUB-Q | | | |

TABLE A-1 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - NORMAL OPERATION

AT 50% POWER, 465 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4324 | 1.1386 | 1.0528 | 1.1304 | 1.4603 | 1.2688 | 1.5024 | 0.7902 |
| | 1.6046 | 1.8827 | 2.0389 | 1.8897 | 1.5724 | 1.6959 | 1.5565 | 2.4999 |
| 9 | 1.1386 | 1.4169 | 1.2353 | 1.4508 | 1.1973 | 1.2795 | 1.5016 | 0.7939 |
| | 1.8827 | 1.6199 | 1.7312 | 1.5797 | 1.7881 | 1.6944 | 1.5592 | 2.5209 |
| 10 | 1.0528 | 1.2357 | 1.0416 | 1.1328 | 1.4862 | 1.3020 | 1.4974 | 0.6912 |
| | 2.0389 | 1.7305 | 2.0664 | 1.9027 | 1.5728 | 1.6698 | 1.5719 | 2.8610 |
| 11 | 1.1304 | 1.4506 | 1.1327 | 1.4970 | 1.1616 | 1.4971 | 1.4668 | 0.6565 |
| | 1.8897 | 1.5800 | 1.9028 | 1.5588 | 1.8850 | 1.5761 | 1.6163 | 3.0549 |
| 12 | 1.4603 | 1.1969 | 1.4855 | 1.1611 | 1.2756 | 1.4733 | 0.9334 | |
| | 1.5724 | 1.7885 | 1.5736 | 1.8858 | 1.7438 | 1.6172 | 2.1540 | |
| 13 | 1.2688 | 1.2787 | 1.3025 | 1.4964 | 1.4728 | 0.9527 | 0.5286 | |
| | 1.6959 | 1.6956 | 1.6692 | 1.5769 | 1.6178 | 2.1953 | 3.8022 | |
| 14 | 1.5024 | 1.4987 | 1.4985 | 1.4684 | 0.9336 | 0.5285 | | |
| | 1.5565 | 1.5622 | 1.5711 | 1.6149 | 2.1519 | 3.8021 | | |
| 15 | 0.7902 | 0.7223 | 0.7605 | 0.6643 | F-SUB-Q | | | |
| | 2.4999 | 2.6927 | 2.6046 | 3.0150 | M-SUB-Q | | | |

AT 50% POWER, 465 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6576 | 0.5621 | 0.5338 | 0.5691 | 0.6693 | 0.5870 | 0.6509 | 0.3719 |
| | 3.3646 | 3.6701 | 3.8869 | 3.6275 | 3.3146 | 3.5354 | 3.4609 | 5.1393 |
| 9 | 0.5621 | 0.6473 | 0.5747 | 0.6630 | 0.5900 | 0.5913 | 0.6505 | 0.3733 |
| | 3.6701 | 3.4119 | 3.5901 | 3.3364 | 3.5058 | 3.5348 | 3.4669 | 5.1885 |
| 10 | 0.5338 | 0.5749 | 0.5285 | 0.5699 | 0.6779 | 0.5983 | 0.6470 | 0.3460 |
| | 3.8869 | 3.5889 | 3.9383 | 3.6514 | 3.3218 | 3.5010 | 3.5032 | 5.5343 |
| 11 | 0.5691 | 0.6629 | 0.5698 | 0.6629 | 0.5831 | 0.6781 | 0.6275 | 0.3180 |
| | 3.6275 | 3.3369 | 3.6516 | 3.3862 | 3.6221 | 3.3497 | 3.6406 | 6.1090 |
| 12 | 0.6693 | 0.5898 | 0.6776 | 0.5829 | 0.5864 | 0.6385 | 0.4388 | |
| | 3.3146 | 3.5066 | 3.3232 | 3.6233 | 3.6593 | 3.5947 | 4.4167 | |
| 13 | 0.5870 | 0.5910 | 0.5986 | 0.6779 | 0.6384 | 0.4509 | 0.2618 | |
| | 3.5354 | 3.5369 | 3.4992 | 3.3507 | 3.5956 | 4.4947 | 7.4667 | |
| 14 | 0.6509 | 0.6494 | 0.6477 | 0.6285 | 0.4390 | 0.2618 | | |
| | 3.4609 | 3.4732 | 3.5001 | 3.6356 | 4.4112 | 7.4653 | | |
| 15 | 0.3719 | 0.3576 | 0.3604 | 0.3219 | F-SUB-Q | | | |
| | 5.1393 | 5.2664 | 5.3124 | 6.0245 | M-SUB-Q | | | |

TABLE A-2
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 3.1001 | 3.8392 | 4.1283 | 3.9258 | 3.2222 | 3.9960 | 3.6573 | 6.5590 |
| | 3.7171 | 4.4791 | 4.8195 | 4.5540 | 3.8213 | 4.6176 | 4.3720 | 7.4725 |
| | 4.0476 | 4.7605 | 5.1274 | 4.8261 | 4.1448 | 4.8570 | 4.6504 | 7.8089 |
| | 4.0067 | 4.5516 | 4.9047 | 4.6185 | 4.1237 | 4.6155 | 4.5140 | 7.3321 |
| | 3.8072 | 4.2313 | 4.5621 | 4.3194 | 3.9604 | 4.2997 | 4.3180 | 6.7336 |
| | 3.3762 | 3.6516 | 3.9236 | 3.7938 | 3.6127 | 3.8030 | 3.9258 | 5.8024 |
| | 2.8502 | 3.0732 | 3.3097 | 3.2415 | 3.1385 | 3.2506 | 3.3985 | 4.7537 |
| 9 | 3.8392 | 3.2131 | 3.9267 | 3.2398 | 3.8253 | 4.0806 | 3.6713 | 6.5475 |
| | 4.4791 | 3.8489 | 4.5664 | 3.8555 | 4.4213 | 4.6733 | 4.3836 | 7.4451 |
| | 4.7604 | 4.1914 | 4.8459 | 4.1755 | 4.6684 | 4.8855 | 4.6572 | 7.7680 |
| | 4.5516 | 4.1599 | 4.6311 | 4.1376 | 4.4546 | 4.6100 | 4.5131 | 7.2780 |
| | 4.2313 | 3.9859 | 4.3147 | 3.9774 | 4.1650 | 4.2779 | 4.3112 | 6.6863 |
| | 3.6516 | 3.5575 | 3.7507 | 3.6068 | 3.6754 | 3.7716 | 3.9147 | 5.7976 |
| | 3.0732 | 3.0555 | 3.1799 | 3.1300 | 3.1531 | 3.2176 | 3.4102 | 4.7873 |
| 10 | 4.1283 | 3.9260 | 4.2192 | 3.9961 | 3.2456 | 4.0279 | 3.7733 | 7.3482 |
| | 4.8195 | 4.5651 | 4.9144 | 4.6149 | 3.8480 | 4.6036 | 4.4729 | 8.2922 |
| | 5.1274 | 4.8446 | 5.2147 | 4.8653 | 4.1496 | 4.8086 | 4.7216 | 8.5951 |
| | 4.9047 | 4.6300 | 4.9756 | 4.6167 | 4.0984 | 4.5221 | 4.5360 | 7.9803 |
| | 4.5621 | 4.3137 | 4.6252 | 4.2888 | 3.9156 | 4.1813 | 4.3034 | 7.2697 |
| | 3.9236 | 3.7499 | 3.9873 | 3.7631 | 3.5709 | 3.6955 | 3.9066 | 6.2383 |
| | 3.3097 | 3.1793 | 3.3676 | 3.2086 | 3.0885 | 3.1500 | 3.4052 | 5.1421 |
| 11 | 3.9258 | 3.2392 | 3.9932 | 3.3410 | 4.0132 | 3.3879 | 3.9378 | 7.9430 |
| | 4.5540 | 3.8544 | 4.6119 | 3.9368 | 4.6033 | 4.0259 | 4.6436 | 8.9347 |
| | 4.8261 | 4.1746 | 4.8626 | 4.2349 | 4.8234 | 4.2857 | 4.8776 | 9.2264 |
| | 4.6185 | 4.1370 | 4.6149 | 4.1568 | 4.5421 | 4.1600 | 4.6258 | 8.5193 |
| | 4.3194 | 3.9766 | 4.2877 | 3.9542 | 4.2024 | 3.9696 | 4.3391 | 7.7225 |
| | 3.7938 | 3.6065 | 3.7626 | 3.5852 | 3.6960 | 3.5924 | 3.9223 | 6.5792 |
| | 3.2415 | 3.1300 | 3.2085 | 3.0793 | 3.1354 | 3.1210 | 3.4527 | 5.3825 |
| 12 | 3.2222 | 3.8239 | 3.2427 | 4.0091 | 4.1279 | 3.7022 | 5.3232 | |
| | 3.8213 | 4.4199 | 3.8442 | 4.5992 | 4.7046 | 4.3811 | 6.0476 | |
| | 4.1448 | 4.6670 | 4.1463 | 4.8197 | 4.8925 | 4.6047 | 6.3097 | |
| | 4.1237 | 4.4536 | 4.0961 | 4.5395 | 4.5422 | 4.3765 | 5.9142 | |
| | 3.9604 | 4.1644 | 3.9136 | 4.2007 | 4.1461 | 4.1095 | 5.4437 | |
| | 3.6127 | 3.6751 | 3.5697 | 3.6953 | 3.5987 | 3.7106 | 4.7716 | |
| | 3.1385 | 3.1531 | 3.0882 | 3.1352 | 2.9728 | 3.1995 | 3.9921 | |
| 13 | 3.9960 | 4.0792 | 4.0178 | 3.3811 | 3.6951 | 5.0031 | 9.4219 | |
| | 4.6176 | 4.6684 | 4.5935 | 4.0168 | 4.3737 | 5.6840 | *10.6219 | |
| | 4.8570 | 4.8812 | 4.7992 | 4.2777 | 4.5979 | 5.9172 | *10.9101 | |
| | 4.6155 | 4.6071 | 4.5145 | 4.1545 | 4.3717 | 5.5142 | 9.9167 | |
| | 4.2997 | 4.2759 | 4.1759 | 3.9653 | 4.1063 | 5.0471 | 8.8277 | |
| | 3.8030 | 3.7711 | 3.6924 | 3.5901 | 3.7095 | 4.3898 | 7.3015 | |
| | 3.2506 | 3.2177 | 3.1484 | 3.1197 | 3.1988 | 3.6617 | 5.7995 | |
| 14 | 3.6573 | 3.6747 | 3.7563 | 3.9134 | 5.2953 | 9.4010 | | |
| | 4.3720 | 4.3897 | 4.4564 | 4.6185 | 6.0196 | *10.6007 | | |
| | 4.6504 | 4.6650 | 4.7069 | 4.8516 | 6.2837 | *10.8909 | | |
| | 4.5140 | 4.5223 | 4.5257 | 4.6058 | 5.8943 | 9.9030 | | |
| | 4.3180 | 4.3170 | 4.2967 | 4.3244 | 5.4292 | 8.8187 | | |
| | 3.9258 | 3.9173 | 3.9013 | 3.9131 | 4.7622 | 7.2971 | | |
| | 3.3985 | 3.4134 | 3.4012 | 3.4464 | 3.9869 | 5.7976 | | |
| 15 | 6.5590 | 7.0367 | 6.8404 | 7.7594 | * 4 EFPD 118 % POWER | | | |
| | 7.4725 | 8.0073 | 7.7559 | 8.7498 | * 50 EFPD 118 % POWER | | | |
| | 7.8089 | 8.3455 | 8.0679 | 9.0492 | * 100 EFPD 118 % POWER | | | |
| | 7.3321 | 7.7762 | 7.5288 | 8.3740 | * 175 EFPD 118 % POWER | | | |
| | 6.7336 | 7.0914 | 6.8971 | 7.6036 | * 250 EFPD 118 % POWER | | | |
| | 5.8024 | 6.0811 | 5.9499 | 6.4983 | * 350 EFPD 118 % POWER | | | |
| | 4.7537 | 5.0077 | 4.9225 | 5.3274 | * 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************
 8 * 1.3865 * 1.8359 * 1.9821 * 1.9042 * 1.4216 * 1.7961 * 1.5000 * 2.9243 *
   * 1.6323 * 2.0983 * 2.2765 * 2.1644 * 1.6587 * 2.0305 * 1.7728 * 3.2667 *
   * 1.7831 * 2.2240 * 2.4226 * 2.2865 * 1.8054 * 2.1342 * 1.8990 * 3.4046 *
   * 1.8171 * 2.1736 * 2.3754 * 2.2331 * 1.8417 * 2.0752 * 1.8998 * 3.2603 *
   * 1.8119 * 2.1028 * 2.3022 * 2.1698 * 1.8469 * 2.0136 * 1.8981 * 3.1044 *
   * 1.7603 * 1.9786 * 2.1669 * 2.0623 * 1.8186 * 1.9181 * 1.8585 * 2.8681 *
   * 1.6649 * 1.8377 * 2.0093 * 1.9401 * 1.7458 * 1.8059 * 1.7868 * 2.5906 *
   ********************************************************************
 9 * 1.8359 * 1.4115 * 1.7487 * 1.4257 * 1.8169 * 1.8247 * 1.5047 * 2.9198 *
   * 2.0983 * 1.6607 * 1.9989 * 1.6673 * 2.0594 * 2.0583 * 1.7761 * 3.2568 *
   * 2.2240 * 1.8163 * 2.1226 * 1.8140 * 2.1719 * 2.1565 * 1.9005 * 3.3889 *
   * 2.1736 * 1.8544 * 2.0812 * 1.8476 * 2.1175 * 2.0815 * 1.8985 * 3.2384 *
   * 2.1028 * 1.8552 * 2.0215 * 1.8536 * 2.0560 * 2.0057 * 1.8940 * 3.0841 *
   * 1.9786 * 1.8068 * 1.9123 * 1.8184 * 1.9578 * 1.9007 * 1.8520 * 2.8666 *
   * 1.8377 * 1.7157 * 1.7886 * 1.7430 * 1.8499 * 1.7925 * 1.7853 * 2.6012 *
   ********************************************************************
10 * 1.9821 * 1.7484 * 2.0189 * 1.9433 * 1.4384 * 1.8160 * 1.5380 * 3.4973 *
   * 2.2765 * 1.9986 * 2.3147 * 2.2013 * 1.6787 * 2.0337 * 1.8043 * 3.8661 *
   * 2.4226 * 2.1223 * 2.4579 * 2.3126 * 1.8174 * 2.1173 * 1.9190 * 3.9919 *
   * 2.3754 * 2.0809 * 2.4061 * 2.2356 * 1.8336 * 2.0316 * 1.9016 * 3.7745 *
   * 2.3022 * 2.0212 * 2.3309 * 2.1559 * 1.8233 * 1.9518 * 1.8859 * 3.5579 *
   * 2.1669 * 1.9120 * 2.1953 * 2.0385 * 1.7847 * 1.8445 * 1.8451 * 3.2636 *
   * 2.0093 * 1.7883 * 2.0385 * 1.9124 * 1.7085 * 1.7343 * 1.7781 * 2.9545 *
   ********************************************************************
11 * 1.9042 * 1.4255 * 1.9421 * 1.4256 * 1.9504 * 1.4757 * 1.6107 * 3.6000 *
   * 2.1644 * 1.6669 * 2.2000 * 1.6575 * 2.1917 * 1.7249 * 1.8703 * 3.9763 *
   * 2.2865 * 1.8137 * 2.3114 * 1.7874 * 2.2889 * 1.8457 * 1.9684 * 4.0985 *
   * 2.2331 * 1.8474 * 2.2348 * 1.8012 * 2.1996 * 1.8407 * 1.9232 * 3.8636 *
   * 2.1698 * 1.8533 * 2.1553 * 1.7904 * 2.1102 * 1.8294 * 1.8830 * 3.6336 *
   * 2.0623 * 1.8183 * 2.0382 * 1.7473 * 1.9894 * 1.7803 * 1.8304 * 3.3214 *
   * 1.9401 * 1.7430 * 1.9124 * 1.6680 * 1.8648 * 1.7037 * 1.7814 * 2.9991 *
   ********************************************************************
12 * 1.4216 * 1.8163 * 1.4376 * 1.9487 * 1.8208 * 1.5141 * 2.3680 *
   * 1.6587 * 2.0587 * 1.6775 * 2.1899 * 2.0442 * 1.7724 * 2.6420 *
   * 1.8054 * 2.1713 * 1.8169 * 2.2873 * 2.1291 * 1.8763 * 2.7517 *
   * 1.8417 * 2.1170 * 1.8324 * 2.1984 * 2.0313 * 1.8404 * 2.6342 *
   * 1.8469 * 2.0557 * 1.8223 * 2.1087 * 1.9369 * 1.8066 * 2.5159 *
   * 1.8186 * 1.9577 * 1.7843 * 1.9887 * 1.8104 * 1.7623 * 2.3550 *
   * 1.7458 * 1.8499 * 1.7083 * 1.8646 * 1.6811 * 1.6918 * 2.1728 *
   ********************************************************************
13 * 1.7961 * 1.8237 * 1.8118 * 1.4730 * 1.5116 * 2.1654 * 4.3200 *
   * 2.0305 * 2.0575 * 2.0293 * 1.7214 * 1.7698 * 2.4366 * 4.7866 *
   * 2.1342 * 2.1548 * 2.1132 * 1.8426 * 1.8740 * 2.5516 * 4.9133 *
   * 2.0752 * 2.0805 * 2.0284 * 1.8386 * 1.8387 * 2.4507 * 4.5668 *
   * 2.0136 * 2.0053 * 1.9494 * 1.8277 * 1.8055 * 2.3459 * 4.2231 *
   * 1.9181 * 1.9008 * 1.8430 * 1.7795 * 1.7617 * 2.1998 * 3.7747 *
   * 1.8059 * 1.7930 * 1.7334 * 1.7031 * 1.6915 * 2.0418 * 3.3119 *
   ********************************************************************
14 * 1.5000 * 1.5065 * 1.5304 * 1.5997 * 2.3561 * 4.3110 *
   * 1.7728 * 1.7791 * 1.7972 * 1.8595 * 2.6303 * 4.7776 *
   * 1.8990 * 1.9041 * 1.9127 * 1.9584 * 2.7409 * 4.9052 *
   * 1.8998 * 1.9023 * 1.8970 * 1.9156 * 2.6258 * 4.5610 *
   * 1.8981 * 1.8961 * 1.8828 * 1.8773 * 2.5097 * 4.2193 *
   * 1.8585 * 1.8536 * 1.8424 * 1.8267 * 2.3508 * 3.7727 *
   * 1.7868 * 1.7867 * 1.7750 * 1.7788 * 2.1702 * 3.3111 *
   ********************************************************
15 * 2.9243 * 3.2955 * 3.0589 * 3.5260 *   4 EFPD 118 % POWER
   * 3.2667 * 3.6747 * 3.4055 * 3.9042 *  50 EFPD 118 % POWER
   * 3.4046 * 3.8162 * 3.5367 * 4.0301 * 100 EFPD 118 % POWER
   * 3.2603 * 3.6224 * 3.3715 * 3.8067 * 175 EFPD 118 % POWER
   * 3.1044 * 3.4209 * 3.1990 * 3.5852 * 250 EFPD 118 % POWER
   * 2.8681 * 3.1439 * 2.9541 * 3.2836 * 350 EFPD 118 % POWER
   * 2.5906 * 2.8386 * 2.6881 * 2.9698 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4603 | 1.6435 | 1.6977 | 1.6840 | 1.4305 | 1.5610 | 1.4112 | 2.5791 |
| | 1.6024 | 1.8125 | 1.9084 | 1.8464 | 1.5572 | 1.7140 | 1.5980 | 2.7832 |
| | 1.6598 | 1.8845 | 2.0152 | 1.9143 | 1.6149 | 1.7784 | 1.6704 | 2.8453 |
| | 1.6126 | 1.8344 | 1.9873 | 1.8634 | 1.5953 | 1.7303 | 1.6346 | 2.7048 |
| | 1.5792 | 1.7941 | 1.9585 | 1.8312 | 1.5773 | 1.6941 | 1.6127 | 2.5879 |
| | 1.5397 | 1.7323 | 1.8983 | 1.7865 | 1.5658 | 1.6511 | 1.5850 | 2.4381 |
| | 1.5022 | 1.6746 | 1.8337 | 1.7472 | 1.5488 | 1.6101 | 1.5631 | 2.2733 |
| 9 | 1.6435 | 1.4223 | 1.5253 | 1.4454 | 1.6164 | 1.5706 | 1.4158 | 2.5951 |
| | 1.8125 | 1.5691 | 1.6958 | 1.5725 | 1.7662 | 1.7284 | 1.6038 | 2.7945 |
| | 1.8845 | 1.6374 | 1.7772 | 1.6301 | 1.8264 | 1.7827 | 1.6731 | 2.8508 |
| | 1.8344 | 1.6209 | 1.7430 | 1.6043 | 1.7717 | 1.7194 | 1.6332 | 2.7044 |
| | 1.7941 | 1.5983 | 1.7160 | 1.5860 | 1.7407 | 1.6798 | 1.6094 | 2.5841 |
| | 1.7323 | 1.5688 | 1.6704 | 1.5680 | 1.7015 | 1.6349 | 1.5808 | 2.4465 |
| | 1.6746 | 1.5340 | 1.6230 | 1.5470 | 1.6720 | 1.6011 | 1.5662 | 2.2836 |
| 10 | 1.6977 | 1.5252 | 1.7210 | 1.7362 | 1.4984 | 1.6027 | 1.4217 | 3.0591 |
| | 1.9084 | 1.6956 | 1.9321 | 1.8933 | 1.6372 | 1.7453 | 1.5891 | 3.2602 |
| | 2.0152 | 1.7770 | 2.0349 | 1.9517 | 1.6809 | 1.7892 | 1.6431 | 3.2969 |
| | 1.9873 | 1.7429 | 2.0050 | 1.8750 | 1.6087 | 1.7038 | 1.6036 | 3.0879 |
| | 1.9585 | 1.7158 | 1.9749 | 1.8240 | 1.5652 | 1.6476 | 1.5913 | 2.9241 |
| | 1.8983 | 1.6702 | 1.9122 | 1.7667 | 1.5318 | 1.5936 | 1.5702 | 2.7301 |
| | 1.8337 | 1.6228 | 1.8490 | 1.7216 | 1.5079 | 1.5562 | 1.5560 | 2.5450 |
| 11 | 1.6840 | 1.4453 | 1.7351 | 1.4398 | 1.7406 | 1.5239 | 1.4966 | 3.1570 |
| | 1.8464 | 1.5722 | 1.8921 | 1.5652 | 1.8914 | 1.6798 | 1.6522 | 3.3693 |
| | 1.9143 | 1.6298 | 1.9507 | 1.6117 | 1.9354 | 1.7065 | 1.6860 | 3.4073 |
| | 1.8634 | 1.6041 | 1.8743 | 1.5735 | 1.8436 | 1.6135 | 1.6170 | 3.1884 |
| | 1.8312 | 1.5859 | 1.8235 | 1.5405 | 1.7821 | 1.5675 | 1.5837 | 3.0155 |
| | 1.7865 | 1.5679 | 1.7665 | 1.5119 | 1.7199 | 1.5231 | 1.5520 | 2.8048 |
| | 1.7472 | 1.5470 | 1.7216 | 1.4828 | 1.6759 | 1.4982 | 1.5526 | 2.6046 |
| 12 | 1.4305 | 1.6158 | 1.4977 | 1.7398 | 1.5739 | 1.3867 | 2.1230 | |
| | 1.5572 | 1.7656 | 1.6354 | 1.8900 | 1.7269 | 1.5574 | 2.2715 | |
| | 1.6149 | 1.8258 | 1.6793 | 1.9338 | 1.7813 | 1.6098 | 2.3072 | |
| | 1.5953 | 1.7713 | 1.6071 | 1.8417 | 1.7038 | 1.5601 | 2.1801 | |
| | 1.5773 | 1.7405 | 1.5643 | 1.7808 | 1.6507 | 1.5314 | 2.0881 | |
| | 1.5658 | 1.7014 | 1.5314 | 1.7193 | 1.5933 | 1.5111 | 1.9887 | |
| | 1.5488 | 1.6720 | 1.5078 | 1.6758 | 1.5460 | 1.4970 | 1.8899 | |
| 13 | 1.5610 | 1.5697 | 1.5992 | 1.5225 | 1.3846 | 1.8780 | 3.6936 | |
| | 1.7140 | 1.7280 | 1.7405 | 1.6765 | 1.5553 | 2.0593 | 3.9910 | |
| | 1.7784 | 1.7811 | 1.7854 | 1.7030 | 1.6080 | 2.1298 | 4.0469 | |
| | 1.7303 | 1.7185 | 1.7007 | 1.6108 | 1.5585 | 2.0459 | 3.7620 | |
| | 1.6941 | 1.6795 | 1.6454 | 1.5655 | 1.5303 | 1.9821 | 3.5187 | |
| | 1.6511 | 1.6351 | 1.5923 | 1.5223 | 1.5106 | 1.9064 | 3.2241 | |
| | 1.6101 | 1.6017 | 1.5556 | 1.4978 | 1.4968 | 1.8340 | 2.9340 | |
| 14 | 1.4112 | 1.4167 | 1.4131 | 1.4850 | 2.1115 | 3.6856 | | |
| | 1.5980 | 1.6047 | 1.5812 | 1.6413 | 2.2607 | 3.9833 | | |
| | 1.6704 | 1.6741 | 1.6363 | 1.6763 | 2.2975 | 4.0400 | | |
| | 1.6346 | 1.6340 | 1.5987 | 1.6098 | 2.1728 | 3.7571 | | |
| | 1.6127 | 1.6111 | 1.5885 | 1.5783 | 2.0828 | 3.5156 | | |
| | 1.5850 | 1.5823 | 1.5662 | 1.5486 | 1.9852 | 3.2226 | | |
| | 1.5631 | 1.5676 | 1.5529 | 1.5505 | 1.8879 | 2.9335 | | |
| 15 | 2.5791 | 2.8883 | 2.6917 | 3.0806 | 4 EFPD 118 % POWER | | | |
| | 2.7832 | 3.1055 | 2.8955 | 3.2984 | 50 EFPD 118 % POWER | | | |
| | 2.8453 | 3.1585 | 2.9500 | 3.3406 | 100 EFPD 118 % POWER | | | |
| | 2.7048 | 2.9740 | 2.7930 | 3.1333 | 175 EFPD 118 % POWER | | | |
| | 2.5879 | 2.8210 | 2.6740 | 2.9696 | 250 EFPD 118 % POWER | | | |
| | 2.4381 | 2.6463 | 2.5186 | 2.7711 | 350 EFPD 118 % POWER | | | |
| | 2.2733 | 2.4559 | 2.3695 | 2.5822 | 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************
 8 * 1.3865 * 1.5853 * 1.6116 * 1.6176 * 1.3509 * 1.4748 * 1.3095 * 2.5349 *
   * 1.4832 * 1.7029 * 1.7783 * 1.7235 * 1.4165 * 1.5836 * 1.4426 * 2.6553 *
   * 1.5024 * 1.7482 * 1.8629 * 1.7647 * 1.4485 * 1.6223 * 1.4885 * 2.6733 *
   * 1.4487 * 1.6999 * 1.8471 * 1.7176 * 1.4234 * 1.5763 * 1.4472 * 2.5310 *
   * 1.4313 * 1.6788 * 1.8417 * 1.7047 * 1.4231 * 1.5552 * 1.4364 * 2.4300 *
   * 1.4256 * 1.6499 * 1.8170 * 1.6917 * 1.4413 * 1.5448 * 1.4422 * 2.3216 *
   * 1.4265 * 1.6284 * 1.7904 * 1.6852 * 1.4569 * 1.5361 * 1.4539 * 2.2026 *
   ********************************************************************
 9 * 1.5853 * 1.3445 * 1.4375 * 1.3669 * 1.5493 * 1.4811 * 1.3138 * 2.5500 *
   * 1.7029 * 1.4359 * 1.5656 * 1.4388 * 1.6458 * 1.5861 * 1.4476 * 2.6673 *
   * 1.7482 * 1.4774 * 1.6268 * 1.4654 * 1.6787 * 1.6186 * 1.4901 * 2.6822 *
   * 1.6999 * 1.4550 * 1.6013 * 1.4333 * 1.6298 * 1.5649 * 1.4439 * 2.5348 *
   * 1.6788 * 1.4527 * 1.5966 * 1.4347 * 1.6169 * 1.5456 * 1.4349 * 2.4332 *
   * 1.6499 * 1.4538 * 1.5823 * 1.4458 * 1.6090 * 1.5316 * 1.4399 * 2.3364 *
   * 1.6284 * 1.4582 * 1.5710 * 1.4631 * 1.6089 * 1.5344 * 1.4558 * 2.2171 *
   ********************************************************************
10 * 1.6116 * 1.4374 * 1.6310 * 1.6707 * 1.4189 * 1.5109 * 1.3219 * 3.0226 *
   * 1.7783 * 1.5655 * 1.7977 * 1.7779 * 1.5080 * 1.6023 * 1.4325 * 3.1218 *
   * 1.8629 * 1.6266 * 1.8810 * 1.8047 * 1.5103 * 1.6240 * 1.4587 * 3.1062 *
   * 1.8471 * 1.6011 * 1.8615 * 1.7292 * 1.4321 * 1.5522 * 1.4214 * 2.8968 *
   * 1.8417 * 1.5965 * 1.8524 * 1.6966 * 1.4045 * 1.5148 * 1.4196 * 2.7583 *
   * 1.8170 * 1.5822 * 1.8236 * 1.6704 * 1.4041 * 1.4902 * 1.4285 * 2.6119 *
   * 1.7904 * 1.5708 * 1.7984 * 1.6631 * 1.4184 * 1.4876 * 1.4511 * 2.4737 *
   ********************************************************************
11 * 1.6176 * 1.3668 * 1.6696 * 1.3627 * 1.6717 * 1.4343 * 1.4073 * 3.1100 *
   * 1.7235 * 1.4384 * 1.7766 * 1.4335 * 1.7734 * 1.5423 * 1.4985 * 3.2218 *
   * 1.7647 * 1.4651 * 1.8036 * 1.4474 * 1.7872 * 1.5262 * 1.5001 * 3.2089 *
   * 1.7176 * 1.4332 * 1.7284 * 1.4038 * 1.6935 * 1.4296 * 1.4311 * 2.9946 *
   * 1.7047 * 1.4346 * 1.6962 * 1.3888 * 1.6506 * 1.3992 * 1.4084 * 2.8579 *
   * 1.6917 * 1.4457 * 1.6702 * 1.3898 * 1.6206 * 1.3894 * 1.4084 * 2.7017 *
   * 1.6852 * 1.4631 * 1.6631 * 1.4005 * 1.6139 * 1.4038 * 1.4461 * 2.5633 *
   ********************************************************************
12 * 1.3509 * 1.5484 * 1.4169 * 1.6708 * 1.4849 * 1.2930 * 2.0936 *
   * 1.4165 * 1.6452 * 1.5062 * 1.7726 * 1.5905 * 1.4093 * 2.1671 *
   * 1.4485 * 1.6782 * 1.5084 * 1.7858 * 1.6203 * 1.4352 * 2.1612 *
   * 1.4234 * 1.6294 * 1.4307 * 1.6916 * 1.5515 * 1.3874 * 2.0297 *
   * 1.4231 * 1.6167 * 1.4036 * 1.6494 * 1.5204 * 1.3698 * 1.9586 *
   * 1.4413 * 1.6090 * 1.4038 * 1.6201 * 1.4961 * 1.3799 * 1.8960 *
   * 1.4569 * 1.6090 * 1.4184 * 1.6139 * 1.4873 * 1.4053 * 1.8405 *
   ************************************************************
13 * 1.4748 * 1.4801 * 1.5053 * 1.4327 * 1.2909 * 1.8071 * 3.6344 *
   * 1.5836 * 1.5848 * 1.5966 * 1.5399 * 1.4072 * 1.9370 * 3.8335 *
   * 1.6223 * 1.6169 * 1.6190 * 1.5223 * 1.4334 * 1.9822 * 3.8404 *
   * 1.5763 * 1.5639 * 1.5469 * 1.4271 * 1.3859 * 1.9067 * 3.5676 *
   * 1.5552 * 1.5452 * 1.5110 * 1.3975 * 1.3688 * 1.8679 * 3.3681 *
   * 1.5448 * 1.5318 * 1.4879 * 1.3887 * 1.3796 * 1.8299 * 3.1379 *
   * 1.5361 * 1.5350 * 1.4863 * 1.4036 * 1.4052 * 1.7979 * 2.9171 *
   ********************************************************
14 * 1.3095 * 1.3145 * 1.3131 * 1.3954 * 2.0815 * 3.6262 *
   * 1.4426 * 1.4481 * 1.4247 * 1.4877 * 2.1561 * 3.8257 *
   * 1.4885 * 1.4903 * 1.4521 * 1.4909 * 2.1516 * 3.8335 *
   * 1.4472 * 1.4444 * 1.4169 * 1.4244 * 2.0225 * 3.5629 *
   * 1.4364 * 1.4368 * 1.4165 * 1.4037 * 1.9537 * 3.3653 *
   * 1.4422 * 1.4414 * 1.4252 * 1.4057 * 1.8928 * 3.1366 *
   * 1.4539 * 1.4584 * 1.4481 * 1.4446 * 1.8388 * 2.9168 *
   ********************************************************
15 * 2.5349 * 2.8688 * 2.6475 * 3.0303 *   4 EFPD 118 % POWER
   * 2.6553 * 2.9898 * 2.7657 * 3.1511 *  50 EFPD 118 % POWER
   * 2.6733 * 2.9916 * 2.7751 * 3.1451 * 100 EFPD 118 % POWER
   * 2.5310 * 2.8023 * 2.6190 * 2.9429 * 175 EFPD 118 % POWER
   * 2.4300 * 2.6671 * 2.5233 * 2.8136 * 250 EFPD 118 % POWER
   * 2.3216 * 2.5371 * 2.4196 * 2.6651 * 350 EFPD 118 % POWER
   * 2.2026 * 2.3892 * 2.3220 * 2.5362 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 1.3958 | 1.6024 | 1.6267 | 1.6302 | 1.3408 | 1.4729 | 1.2919 | 2.5582 | |
| | 1.4504 | 1.6882 | 1.7654 | 1.7022 | 1.3755 | 1.5490 | 1.3949 | 2.6207 | |
| | 1.4523 | 1.7198 | 1.8402 | 1.7290 | 1.3954 | 1.5765 | 1.4294 | 2.6121 | |
| | 1.4052 | 1.6781 | 1.8340 | 1.6901 | 1.3757 | 1.5380 | 1.3881 | 2.4766 | |
| | 1.4039 | 1.6742 | 1.8448 | 1.6865 | 1.3867 | 1.5287 | 1.3885 | 2.3915 | |
| | 1.4197 | 1.6641 | 1.8332 | 1.6938 | 1.4251 | 1.5367 | 1.4161 | 2.3123 | |
| | 1.4410 | 1.6616 | 1.8298 | 1.6963 | 1.4543 | 1.5411 | 1.4422 | 2.2103 | |
| 9 | 1.6024 | 1.3391 | 1.4407 | 1.3615 | 1.5577 | 1.4759 | 1.2964 | 2.5712 | |
| | 1.6882 | 1.4020 | 1.5427 | 1.4008 | 1.6225 | 1.5519 | 1.4000 | 2.6300 | |
| | 1.7198 | 1.4321 | 1.5942 | 1.4143 | 1.6421 | 1.5714 | 1.4301 | 2.6179 | |
| | 1.6781 | 1.4148 | 1.5781 | 1.3871 | 1.6007 | 1.5261 | 1.3831 | 2.4762 | |
| | 1.6742 | 1.4292 | 1.5865 | 1.3988 | 1.5969 | 1.5148 | 1.3843 | 2.3885 | |
| | 1.6641 | 1.4506 | 1.5902 | 1.4309 | 1.6086 | 1.5218 | 1.4111 | 2.3211 | |
| | 1.6616 | 1.4752 | 1.5969 | 1.4642 | 1.6173 | 1.5348 | 1.4427 | 2.2199 | |
| 10 | 1.6267 | 1.4406 | 1.6465 | 1.6893 | 1.4165 | 1.5069 | 1.3034 | 3.0383 | |
| | 1.7654 | 1.5426 | 1.7866 | 1.7596 | 1.4691 | 1.5652 | 1.3815 | 3.0673 | |
| | 1.8402 | 1.5941 | 1.8586 | 1.7700 | 1.4521 | 1.5735 | 1.3935 | 3.0211 | |
| | 1.8340 | 1.5780 | 1.8484 | 1.6962 | 1.3759 | 1.5036 | 1.3631 | 2.8209 | |
| | 1.8448 | 1.5864 | 1.8493 | 1.6802 | 1.3648 | 1.4838 | 1.3714 | 2.6965 | |
| | 1.8332 | 1.5901 | 1.8400 | 1.6750 | 1.3871 | 1.4811 | 1.4027 | 2.5825 | |
| | 1.8298 | 1.5967 | 1.8330 | 1.6885 | 1.4240 | 1.5000 | 1.4462 | 2.4588 | |
| 11 | 1.6302 | 1.3614 | 1.6881 | 1.3617 | 1.6886 | 1.4258 | 1.3903 | 3.1374 | |
| | 1.7022 | 1.4004 | 1.7582 | 1.3963 | 1.7524 | 1.4977 | 1.4445 | 3.1745 | |
| | 1.7290 | 1.4140 | 1.7688 | 1.3949 | 1.7471 | 1.4591 | 1.4301 | 3.1278 | |
| | 1.6901 | 1.3869 | 1.6953 | 1.3534 | 1.6541 | 1.3670 | 1.3667 | 2.9224 | |
| | 1.6865 | 1.3987 | 1.6797 | 1.3544 | 1.6282 | 1.3536 | 1.3578 | 2.8045 | |
| | 1.6938 | 1.4308 | 1.6748 | 1.3759 | 1.6202 | 1.3674 | 1.3805 | 2.6841 | |
| | 1.6963 | 1.4643 | 1.6885 | 1.4085 | 1.6326 | 1.4049 | 1.4420 | 2.5821 | |
| 12 | 1.3408 | 1.5567 | 1.4143 | 1.6877 | 1.4845 | 1.2788 | 2.0995 | | |
| | 1.3755 | 1.6219 | 1.4665 | 1.7515 | 1.5583 | 1.3637 | 2.1222 | | |
| | 1.3954 | 1.6415 | 1.4499 | 1.7442 | 1.5738 | 1.3752 | 2.0930 | | |
| | 1.3757 | 1.6003 | 1.3745 | 1.6522 | 1.5118 | 1.3310 | 1.9687 | | |
| | 1.3867 | 1.5967 | 1.3640 | 1.6271 | 1.4971 | 1.3280 | 1.9187 | | |
| | 1.4251 | 1.6086 | 1.3869 | 1.6197 | 1.4930 | 1.3596 | 1.8820 | | |
| | 1.4543 | 1.6174 | 1.4241 | 1.6327 | 1.5042 | 1.4070 | 1.8508 | | |
| 13 | 1.4729 | 1.4751 | 1.5008 | 1.4241 | 1.2766 | 1.8102 | 3.6921 | | |
| | 1.5490 | 1.5495 | 1.5592 | 1.4951 | 1.3615 | 1.9031 | 3.8145 | | |
| | 1.5765 | 1.5695 | 1.5683 | 1.4551 | 1.3729 | 1.9317 | 3.7850 | | |
| | 1.5380 | 1.5251 | 1.4983 | 1.3645 | 1.3294 | 1.8637 | 3.5225 | | |
| | 1.5287 | 1.5145 | 1.4801 | 1.3520 | 1.3271 | 1.8439 | 3.3549 | | |
| | 1.5367 | 1.5221 | 1.4789 | 1.3668 | 1.3593 | 1.8289 | 3.1643 | | |
| | 1.5411 | 1.5356 | 1.4988 | 1.4049 | 1.4071 | 1.8193 | 2.9786 | | |
| 14 | 1.2919 | 1.2968 | 1.2940 | 1.3778 | 2.0868 | 3.6834 | | | |
| | 1.3949 | 1.4002 | 1.3734 | 1.4335 | 2.1109 | 3.8063 | | | |
| | 1.4294 | 1.4300 | 1.3869 | 1.4210 | 2.0834 | 3.7780 | | | |
| | 1.3881 | 1.3835 | 1.3587 | 1.3603 | 1.9619 | 3.5179 | | | |
| | 1.3885 | 1.3858 | 1.3688 | 1.3535 | 1.9141 | 3.3522 | | | |
| | 1.4161 | 1.4125 | 1.3996 | 1.3782 | 1.8792 | 3.1632 | | | |
| | 1.4422 | 1.4452 | 1.4435 | 1.4409 | 1.8493 | 2.9786 | | | |
| 15 | 2.5582 | 2.8821 | 2.6641 | 3.0544 | 4 EFPD 118 % POWER | | | | |
| | 2.6207 | 2.9390 | 2.7222 | 3.1036 | 50 EFPD 118 % POWER | | | | |
| | 2.6121 | 2.9119 | 2.7045 | 3.0652 | 100 EFPD 118 % POWER | | | | |
| | 2.4766 | 2.7313 | 2.5560 | 2.8721 | 175 EFPD 118 % POWER | | | | |
| | 2.3915 | 2.6135 | 2.4738 | 2.7614 | 250 EFPD 118 % POWER | | | | |
| | 2.3123 | 2.5136 | 2.4020 | 2.6509 | 350 EFPD 118 % POWER | | | | |
| | 2.2103 | 2.3841 | 2.3154 | 2.5485 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.4392 * 1.6595 * 1.6836 * 1.6821 * 1.3709 * 1.5044 * 1.3138 * 2.6228 *
   * 1.4678 * 1.7216 * 1.8035 * 1.7293 * 1.3835 * 1.5600 * 1.3967 * 2.6419 *
   * 1.4593 * 1.7449 * 1.8731 * 1.7474 * 1.3961 * 1.5809 * 1.4243 * 2.6162 *
   * 1.4193 * 1.7120 * 1.8779 * 1.7183 * 1.3847 * 1.5514 * 1.3852 * 2.4908 *
   * 1.4268 * 1.7140 * 1.8886 * 1.7197 * 1.4031 * 1.5500 * 1.3946 * 2.4179 *
   * 1.4551 * 1.7095 * 1.8909 * 1.7403 * 1.4562 * 1.5708 * 1.4370 * 2.3555 *
   * 1.4841 * 1.7118 * 1.8807 * 1.7400 * 1.4860 * 1.5765 * 1.4666 * 2.2542 *
   ********************************************************************************
 9 * 1.6595 * 1.3765 * 1.4842 * 1.3982 * 1.6036 * 1.5084 * 1.3188 * 2.6358 *
   * 1.7216 * 1.4197 * 1.5679 * 1.4130 * 1.6452 * 1.5623 * 1.4020 * 2.6504 *
   * 1.7449 * 1.4424 * 1.6140 * 1.4182 * 1.6564 * 1.5744 * 1.4241 * 2.6185 *
   * 1.7120 * 1.4320 * 1.6078 * 1.3976 * 1.6235 * 1.5377 * 1.3797 * 2.4857 *
   * 1.7140 * 1.4538 * 1.6184 * 1.4159 * 1.6260 * 1.5333 * 1.3881 * 2.4085 *
   * 1.7095 * 1.4873 * 1.6337 * 1.4602 * 1.6508 * 1.5534 * 1.4298 * 2.3591 *
   * 1.7118 * 1.5175 * 1.6357 * 1.4933 * 1.6574 * 1.5647 * 1.4659 * 2.2574 *
   ********************************************************************************
10 * 1.6836 * 1.4840 * 1.7052 * 1.7478 * 1.4534 * 1.5406 * 1.3236 * 3.1006 *
   * 1.8035 * 1.5678 * 1.8259 * 1.7894 * 1.4783 * 1.5744 * 1.3793 * 3.0762 *
   * 1.8731 * 1.6138 * 1.8920 * 1.7869 * 1.4469 * 1.5740 * 1.3825 * 3.0092 *
   * 1.8779 * 1.6076 * 1.8922 * 1.7181 * 1.3762 * 1.5074 * 1.3597 * 2.8202 *
   * 1.8886 * 1.6183 * 1.8913 * 1.7044 * 1.3703 * 1.4926 * 1.3714 * 2.7060 *
   * 1.8909 * 1.6335 * 1.8944 * 1.7127 * 1.4074 * 1.5041 * 1.4157 * 2.6124 *
   * 1.8807 * 1.6355 * 1.8835 * 1.7335 * 1.4558 * 1.5314 * 1.4646 * 2.4847 *
   ********************************************************************************
11 * 1.6821 * 1.3981 * 1.7465 * 1.3988 * 1.7427 * 1.4565 * 1.4132 * 3.2134 *
   * 1.7293 * 1.4125 * 1.7878 * 1.4063 * 1.7785 * 1.5040 * 1.4412 * 3.1912 *
   * 1.7474 * 1.4179 * 1.7857 * 1.3946 * 1.7559 * 1.4492 * 1.4162 * 3.1193 *
   * 1.7183 * 1.3974 * 1.7172 * 1.3578 * 1.6689 * 1.3619 * 1.3594 * 2.9216 *
   * 1.7197 * 1.4158 * 1.7039 * 1.3652 * 1.6499 * 1.3568 * 1.3570 * 2.8101 *
   * 1.7403 * 1.4603 * 1.7125 * 1.4013 * 1.6550 * 1.3861 * 1.3944 * 2.7105 *
   * 1.7400 * 1.4935 * 1.7335 * 1.4450 * 1.6771 * 1.4362 * 1.4687 * 2.6023 *
   ********************************************************************************
12 * 1.3709 * 1.6025 * 1.4509 * 1.7417 * 1.5211 * 1.3030 * 2.1446 *
   * 1.3835 * 1.6444 * 1.4754 * 1.7775 * 1.5714 * 1.3658 * 2.1285 *
   * 1.3961 * 1.6558 * 1.4443 * 1.7528 * 1.5776 * 1.3669 * 2.0827 *
   * 1.3847 * 1.6231 * 1.3747 * 1.6669 * 1.5226 * 1.3273 * 1.9659 *
   * 1.4031 * 1.6258 * 1.3694 * 1.6487 * 1.5200 * 1.3378 * 1.9288 *
   * 1.4562 * 1.6508 * 1.4073 * 1.6546 * 1.5296 * 1.3843 * 1.9088 *
   * 1.4860 * 1.6575 * 1.4561 * 1.6773 * 1.5521 * 1.4446 * 1.8887 *
   ********************************************************************************
13 * 1.5044 * 1.5073 * 1.5332 * 1.4544 * 1.3006 * 1.8524 * 3.8105 *
   * 1.5600 * 1.5595 * 1.5680 * 1.5000 * 1.3634 * 1.9169 * 3.8712 *
   * 1.5809 * 1.5722 * 1.5686 * 1.4451 * 1.3646 * 1.9334 * 3.8140 *
   * 1.5514 * 1.5366 * 1.5021 * 1.3594 * 1.3258 * 1.8733 * 3.5618 *
   * 1.5500 * 1.5330 * 1.4889 * 1.3552 * 1.3369 * 1.8692 * 3.4198 *
   * 1.5708 * 1.5538 * 1.5020 * 1.3857 * 1.3841 * 1.8691 * 3.2499 *
   * 1.5765 * 1.5656 * 1.5303 * 1.4364 * 1.4447 * 1.8713 * 3.0777 *
   ********************************************************************************
14 * 1.3138 * 1.3188 * 1.3135 * 1.3999 * 2.1311 * 3.8012 *
   * 1.3967 * 1.4015 * 1.3708 * 1.4298 * 2.1168 * 3.8626 *
   * 1.4243 * 1.4236 * 1.3756 * 1.4069 * 2.0729 * 3.8068 *
   * 1.3852 * 1.3799 * 1.3545 * 1.3530 * 1.9591 * 3.5571 *
   * 1.3946 * 1.3896 * 1.3672 * 1.3528 * 1.9242 * 3.4171 *
   * 1.4370 * 1.4313 * 1.4128 * 1.3923 * 1.9061 * 3.2489 *
   * 1.4666 * 1.4674 * 1.4637 * 1.4678 * 1.8873 * 3.0777 *
   ********************************************************
15 * 2.6228 * 2.9393 * 2.7254 * 3.1264 *   4 EFPD 118 % POWER
   * 2.6419 * 2.9469 * 2.7352 * 3.1189 *  50 EFPD 118 % POWER
   * 2.6162 * 2.9003 * 2.6990 * 3.0566 * 100 EFPD 118 % POWER
   * 2.4908 * 2.7314 * 2.5615 * 2.8696 * 175 EFPD 118 % POWER
   * 2.4179 * 2.6257 * 2.4889 * 2.7669 * 250 EFPD 118 % POWER
   * 2.3555 * 2.5445 * 2.4296 * 2.6773 * 350 EFPD 118 % POWER
   * 2.2542 * 2.4152 * 2.3422 * 2.5782 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4923 | 1.7318 | 1.7552 | 1.7481 | 1.4109 | 1.5458 | 1.3428 | 2.7331 |
| | 1.5026 | 1.7761 | 1.8618 | 1.7759 | 1.4054 | 1.5858 | 1.4103 | 2.7176 |
| | 1.4853 | 1.7938 | 1.9298 | 1.7884 | 1.4123 | 1.6030 | 1.4300 | 2.6784 |
| | 1.4527 | 1.7717 | 1.9465 | 1.7707 | 1.4101 | 1.5842 | 1.3981 | 2.5642 |
| | 1.4584 | 1.7711 | 1.9606 | 1.7771 | 1.4344 | 1.5887 | 1.4142 | 2.4983 |
| | 1.4950 | 1.7742 | 1.9663 | 1.8038 | 1.4962 | 1.6149 | 1.4637 | 2.4320 |
| | 1.5167 | 1.7648 | 1.9444 | 1.7956 | 1.5218 | 1.6198 | 1.4936 | 2.3322 |
| 9 | 1.7318 | 1.4260 | 1.5390 | 1.4459 | 1.6605 | 1.5501 | 1.3477 | 2.7446 |
| | 1.7761 | 1.4527 | 1.6095 | 1.4392 | 1.6856 | 1.5877 | 1.4156 | 2.7239 |
| | 1.7938 | 1.4706 | 1.6528 | 1.4381 | 1.6917 | 1.5952 | 1.4289 | 2.6810 |
| | 1.7717 | 1.4683 | 1.6582 | 1.4250 | 1.6696 | 1.5685 | 1.3914 | 2.5602 |
| | 1.7711 | 1.4896 | 1.6711 | 1.4476 | 1.6770 | 1.5698 | 1.4059 | 2.4894 |
| | 1.7742 | 1.5308 | 1.6937 | 1.5019 | 1.7089 | 1.5994 | 1.4582 | 2.4389 |
| | 1.7648 | 1.5539 | 1.6806 | 1.5262 | 1.7086 | 1.6032 | 1.4897 | 2.3370 |
| 10 | 1.7552 | 1.5388 | 1.7779 | 1.8212 | 1.4963 | 1.5829 | 1.3520 | 3.2431 |
| | 1.8618 | 1.6093 | 1.8850 | 1.8387 | 1.5015 | 1.5983 | 1.3899 | 3.1740 |
| | 1.9298 | 1.6525 | 1.9485 | 1.8270 | 1.4584 | 1.5924 | 1.3866 | 3.0894 |
| | 1.9465 | 1.6579 | 1.9588 | 1.7669 | 1.3939 | 1.5322 | 1.3719 | 2.9098 |
| | 1.9606 | 1.6709 | 1.9594 | 1.7552 | 1.3913 | 1.5216 | 1.3861 | 2.7994 |
| | 1.9663 | 1.6935 | 1.9679 | 1.7728 | 1.4396 | 1.5432 | 1.4410 | 2.7116 |
| | 1.9444 | 1.6804 | 1.9388 | 1.7749 | 1.4775 | 1.5584 | 1.4828 | 2.5701 |
| 11 | 1.7481 | 1.4457 | 1.8195 | 1.4426 | 1.8101 | 1.4973 | 1.4455 | 3.3593 |
| | 1.7759 | 1.4387 | 1.8369 | 1.4308 | 1.8240 | 1.5231 | 1.4526 | 3.2930 |
| | 1.7884 | 1.4377 | 1.8256 | 1.4108 | 1.7878 | 1.4565 | 1.4194 | 3.2039 |
| | 1.7707 | 1.4248 | 1.7659 | 1.3798 | 1.7088 | 1.3747 | 1.3698 | 3.0183 |
| | 1.7771 | 1.4473 | 1.7546 | 1.3890 | 1.6904 | 1.3724 | 1.3697 | 2.9070 |
| | 1.8038 | 1.5019 | 1.7726 | 1.4353 | 1.7058 | 1.4126 | 1.4171 | 2.8228 |
| | 1.7956 | 1.5263 | 1.7749 | 1.4709 | 1.7207 | 1.4598 | 1.4857 | 2.6955 |
| 12 | 1.4109 | 1.6592 | 1.4935 | 1.8090 | 1.5658 | 1.3371 | 2.2381 | |
| | 1.4054 | 1.6848 | 1.4985 | 1.8229 | 1.6003 | 1.3822 | 2.1895 | |
| | 1.4123 | 1.6910 | 1.4557 | 1.7846 | 1.6002 | 1.3758 | 2.1302 | |
| | 1.4101 | 1.6693 | 1.3923 | 1.7066 | 1.5534 | 1.3411 | 2.0203 | |
| | 1.4344 | 1.6769 | 1.3905 | 1.6892 | 1.5502 | 1.3520 | 1.9823 | |
| | 1.4962 | 1.7090 | 1.4396 | 1.7055 | 1.5683 | 1.4081 | 1.9724 | |
| | 1.5218 | 1.7088 | 1.4779 | 1.7210 | 1.5945 | 1.4731 | 1.9512 | |
| 13 | 1.5458 | 1.5488 | 1.5747 | 1.4950 | 1.3345 | 1.9325 | 4.0167 | |
| | 1.5858 | 1.5846 | 1.5913 | 1.5166 | 1.3797 | 1.9750 | 4.0272 | |
| | 1.6030 | 1.5929 | 1.5867 | 1.4521 | 1.3733 | 1.9832 | 3.9474 | |
| | 1.5842 | 1.5673 | 1.5267 | 1.3721 | 1.3395 | 1.9321 | 3.7041 | |
| | 1.5887 | 1.5695 | 1.5179 | 1.3709 | 1.3512 | 1.9263 | 3.5491 | |
| | 1.6149 | 1.5999 | 1.5412 | 1.4124 | 1.4080 | 1.9346 | 3.3904 | |
| | 1.6198 | 1.6042 | 1.5575 | 1.4601 | 1.4733 | 1.9390 | 3.2024 | |
| 14 | 1.3428 | 1.3475 | 1.3411 | 1.4314 | 2.2237 | 4.0066 | | |
| | 1.4103 | 1.4147 | 1.3809 | 1.4406 | 2.1771 | 4.0180 | | |
| | 1.4300 | 1.4276 | 1.3793 | 1.4098 | 2.1199 | 3.9397 | | |
| | 1.3981 | 1.3918 | 1.3662 | 1.3633 | 2.0133 | 3.6992 | | |
| | 1.4142 | 1.4074 | 1.3820 | 1.3655 | 1.9778 | 3.5464 | | |
| | 1.4637 | 1.4598 | 1.4380 | 1.4151 | 1.9699 | 3.3896 | | |
| | 1.4936 | 1.4913 | 1.4807 | 1.4850 | 1.9500 | 3.2027 | | |
| 15 | 2.7331 | 3.0706 | 2.8385 | 3.2669 | 4 EFPD 118 % POWER | | | |
| | 2.7176 | 3.0386 | 2.8144 | 3.2172 | 50 EFPD 118 % POWER | | | |
| | 2.6784 | 2.9762 | 2.7635 | 3.1386 | 100 EFPD 118 % POWER | | | |
| | 2.5642 | 2.8180 | 2.6372 | 2.9652 | 175 EFPD 118 % POWER | | | |
| | 2.4983 | 2.7181 | 2.5709 | 2.8643 | 250 EFPD 118 % POWER | | | |
| | 2.4320 | 2.6338 | 2.5291 | 2.7858 | 350 EFPD 118 % POWER | | | |
| | 2.3322 | 2.5042 | 2.4254 | 2.6579 | 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.5818 * 1.8380 * 1.8594 * 1.8436 * 1.4781 * 1.6147 * 1.3985 * 2.8708 *
   * 1.5786 * 1.8716 * 1.9595 * 1.8585 * 1.4596 * 1.6440 * 1.4560 * 2.8319 *
   * 1.5542 * 1.8860 * 2.0258 * 1.8671 * 1.4625 * 1.6589 * 1.4700 * 2.7824 *
   * 1.5291 * 1.8749 * 2.0568 * 1.8604 * 1.4697 * 1.6514 * 1.4462 * 2.6793 *
   * 1.5334 * 1.8719 * 2.0719 * 1.8698 * 1.4991 * 1.6592 * 1.4662 * 2.6150 *
   * 1.5720 * 1.8729 * 2.0751 * 1.8874 * 1.5570 * 1.6804 * 1.5133 * 2.5353 *
   * 1.5759 * 1.8447 * 2.0304 * 1.8763 * 1.5825 * 1.6842 * 1.5443 * 2.4289 *
   ********************************************************************************
 9 * 1.8380 * 1.5067 * 1.6238 * 1.5229 * 1.7462 * 1.6201 * 1.4040 * 2.8829 *
   * 1.8716 * 1.5210 * 1.6858 * 1.4998 * 1.7606 * 1.6455 * 1.4613 * 2.8384 *
   * 1.8860 * 1.5374 * 1.7282 * 1.4935 * 1.7628 * 1.6500 * 1.4683 * 2.7843 *
   * 1.8749 * 1.5439 * 1.7456 * 1.4880 * 1.7514 * 1.6326 * 1.4386 * 2.6740 *
   * 1.8719 * 1.5650 * 1.7590 * 1.5131 * 1.7620 * 1.6380 * 1.4567 * 2.6045 *
   * 1.8729 * 1.6081 * 1.7729 * 1.5640 * 1.7859 * 1.6617 * 1.5064 * 2.5412 *
   * 1.8447 * 1.6113 * 1.7520 * 1.5854 * 1.7834 * 1.6644 * 1.5383 * 2.4329 *
   ********************************************************************************
10 * 1.8594 * 1.6236 * 1.8826 * 1.9259 * 1.5699 * 1.6552 * 1.4084 * 3.4126 *
   * 1.9595 * 1.6855 * 1.9825 * 1.9257 * 1.5599 * 1.6559 * 1.4328 * 3.3107 *
   * 2.0258 * 1.7279 * 2.0459 * 1.9063 * 1.5068 * 1.6458 * 1.4246 * 3.2104 *
   * 2.0568 * 1.7453 * 2.0665 * 1.8543 * 1.4479 * 1.5922 * 1.4182 * 3.0406 *
   * 2.0719 * 1.7588 * 2.0679 * 1.8431 * 1.4473 * 1.5843 * 1.4349 * 2.9291 *
   * 2.0751 * 1.7727 * 2.0683 * 1.8580 * 1.5001 * 1.6079 * 1.4931 * 2.8221 *
   * 2.0304 * 1.7518 * 2.0252 * 1.8465 * 1.5266 * 1.6117 * 1.5263 * 2.6726 *
   ********************************************************************************
11 * 1.8436 * 1.5226 * 1.9241 * 1.5195 * 1.9145 * 1.5728 * 1.5085 * 3.5431 *
   * 1.8585 * 1.4992 * 1.9238 * 1.4901 * 1.9100 * 1.5771 * 1.4984 * 3.4380 *
   * 1.8671 * 1.4931 * 1.9048 * 1.4631 * 1.8597 * 1.5010 * 1.4583 * 3.3322 *
   * 1.8604 * 1.4877 * 1.8533 * 1.4385 * 1.7877 * 1.4239 * 1.4155 * 3.1567 *
   * 1.8698 * 1.5129 * 1.8425 * 1.4486 * 1.7691 * 1.4237 * 1.4170 * 3.0428 *
   * 1.8874 * 1.5641 * 1.8579 * 1.5004 * 1.7894 * 1.4715 * 1.4708 * 2.9457 *
   * 1.8763 * 1.5856 * 1.8466 * 1.5193 * 1.7813 * 1.5026 * 1.5261 * 2.7994 *
   ********************************************************************************
12 * 1.4781 * 1.7448 * 1.5669 * 1.9133 * 1.6465 * 1.4027 * 2.3628 *
   * 1.4596 * 1.7598 * 1.5565 * 1.9068 * 1.6687 * 1.4343 * 2.2851 *
   * 1.4625 * 1.7621 * 1.5038 * 1.8562 * 1.6635 * 1.4213 * 2.2133 *
   * 1.4697 * 1.7511 * 1.4463 * 1.7855 * 1.6241 * 1.3920 * 2.1097 *
   * 1.4991 * 1.7619 * 1.4465 * 1.7678 * 1.6212 * 1.4041 * 2.0700 *
   * 1.5570 * 1.7861 * 1.5002 * 1.7893 * 1.6440 * 1.4668 * 2.0639 *
   * 1.5825 * 1.7837 * 1.5271 * 1.7817 * 1.6471 * 1.5137 * 2.0111 *
   ********************************************************************
13 * 1.6147 * 1.6185 * 1.6462 * 1.5702 * 1.3998 * 2.0453 * 4.2773 *
   * 1.6440 * 1.6419 * 1.6484 * 1.5704 * 1.4315 * 2.0691 * 4.2431 *
   * 1.6589 * 1.6473 * 1.6380 * 1.4962 * 1.4187 * 2.0703 * 4.1423 *
   * 1.6514 * 1.6313 * 1.5865 * 1.4212 * 1.3903 * 2.0283 * 3.9070 *
   * 1.6592 * 1.6377 * 1.5805 * 1.4222 * 1.4033 * 2.0204 * 3.7388 *
   * 1.6804 * 1.6623 * 1.6059 * 1.4713 * 1.4668 * 2.0320 * 3.5770 *
   * 1.6842 * 1.6655 * 1.6109 * 1.5030 * 1.5140 * 2.0094 * 3.3395 *
   ************************************************************************
14 * 1.3985 * 1.4036 * 1.3967 * 1.4933 * 2.3471 * 4.2662 *
   * 1.4560 * 1.4603 * 1.4231 * 1.4857 * 2.2717 * 4.2331 *
   * 1.4700 * 1.4667 * 1.4168 * 1.4481 * 2.2024 * 4.1341 *
   * 1.4462 * 1.4388 * 1.4121 * 1.4087 * 2.1023 * 3.9018 *
   * 1.4662 * 1.4582 * 1.4306 * 1.4127 * 2.0654 * 3.7360 *
   * 1.5133 * 1.5081 * 1.4899 * 1.4689 * 2.0614 * 3.5762 *
   * 1.5443 * 1.5401 * 1.5243 * 1.5255 * 2.0101 * 3.3399 *
   ****************************************************
15 * 2.8708 * 3.2252 * 2.9839 * 3.4443 *   4 EFPD 118 % POWER
   * 2.8319 * 3.1663 * 2.9317 * 3.3575 *  50 EFPD 118 % POWER
   * 2.7824 * 3.0913 * 2.8686 * 3.2632 * 100 EFPD 118 % POWER
   * 2.6793 * 2.9435 * 2.7534 * 3.1005 * 175 EFPD 118 % POWER
   * 2.6150 * 2.8441 * 2.6885 * 2.9977 * 250 EFPD 118 % POWER
   * 2.5353 * 2.7442 * 2.6306 * 2.9077 * 350 EFPD 118 % POWER
   * 2.4289 * 2.6073 * 2.5213 * 2.7612 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 8 | 1.6791 | 1.9518 | 1.9705 | 1.9464 | 1.5509 | 1.6920 | 1.4601 | 3.0274 | |
| | 1.6757 | 1.9861 | 2.0684 | 1.9526 | 1.5240 | 1.7159 | 1.5130 | 2.9675 | |
| | 1.6464 | 2.0025 | 2.1366 | 1.9610 | 1.5256 | 1.7311 | 1.5245 | 2.9118 | |
| | 1.6346 | 2.0111 | 2.1958 | 1.9782 | 1.5486 | 1.7414 | 1.5130 | 2.8399 | |
| | 1.6378 | 2.0068 | 2.2126 | 1.9896 | 1.5826 | 1.7514 | 1.5359 | 2.7734 | |
| | 1.6635 | 1.9924 | 2.1981 | 1.9950 | 1.6345 | 1.7644 | 1.5778 | 2.6739 | |
| | 1.6617 | 1.9507 | 2.1449 | 1.9794 | 1.6592 | 1.7660 | 1.6090 | 2.5571 | |
| | | | | | | | | | |
| 9 | 1.9518 | 1.5926 | 1.7146 | 1.6027 | 1.8396 | 1.6987 | 1.4664 | 3.0409 | |
| | 1.9861 | 1.6016 | 1.7741 | 1.5704 | 1.8480 | 1.7190 | 1.5197 | 2.9750 | |
| | 2.0025 | 1.6215 | 1.8185 | 1.5621 | 1.8495 | 1.7226 | 1.5230 | 2.9147 | |
| | 2.0111 | 1.6431 | 1.8573 | 1.5708 | 1.8589 | 1.7203 | 1.5049 | 2.8346 | |
| | 2.0068 | 1.6640 | 1.8712 | 1.5986 | 1.8717 | 1.7285 | 1.5256 | 2.7660 | |
| | 1.9924 | 1.6927 | 1.8708 | 1.6417 | 1.8850 | 1.7433 | 1.5696 | 2.6836 | |
| | 1.9507 | 1.6927 | 1.8453 | 1.6621 | 1.8795 | 1.7439 | 1.6017 | 2.5630 | |
| | | | | | | | | | |
| 10 | 1.9705 | 1.7143 | 1.9946 | 2.0392 | 1.6498 | 1.7375 | 1.4729 | 3.6147 | |
| | 2.0684 | 1.7737 | 2.0928 | 2.0284 | 1.6324 | 1.7303 | 1.4901 | 3.4847 | |
| | 2.1366 | 1.8181 | 2.1597 | 2.0073 | 1.5725 | 1.7181 | 1.4790 | 3.3744 | |
| | 2.1958 | 1.8569 | 2.2045 | 1.9711 | 1.5228 | 1.6767 | 1.4843 | 3.2298 | |
| | 2.2126 | 1.8709 | 2.2058 | 1.9595 | 1.5235 | 1.6704 | 1.5032 | 3.1129 | |
| | 2.1981 | 1.8705 | 2.1877 | 1.9598 | 1.5686 | 1.6834 | 1.5533 | 2.9783 | |
| | 2.1449 | 1.8450 | 2.1377 | 1.9448 | 1.5953 | 1.6857 | 1.5870 | 2.8154 | |
| | | | | | | | | | |
| 11 | 1.9464 | 1.6024 | 2.0371 | 1.6071 | 2.0349 | 1.6623 | 1.5816 | 3.7624 | |
| | 1.9526 | 1.5698 | 2.0263 | 1.5656 | 2.0135 | 1.6488 | 1.5610 | 3.6276 | |
| | 1.9610 | 1.5616 | 2.0056 | 1.5334 | 1.9555 | 1.5645 | 1.5157 | 3.5093 | |
| | 1.9782 | 1.5706 | 1.9700 | 1.5175 | 1.8958 | 1.4947 | 1.4822 | 3.3560 | |
| | 1.9896 | 1.5983 | 1.9589 | 1.5289 | 1.8769 | 1.4959 | 1.4845 | 3.2427 | |
| | 1.9950 | 1.6418 | 1.9597 | 1.5709 | 1.8821 | 1.5358 | 1.5292 | 3.1092 | |
| | 1.9794 | 1.6623 | 1.9450 | 1.5890 | 1.8717 | 1.5666 | 1.5858 | 2.9507 | |
| | | | | | | | | | |
| 12 | 1.5509 | 1.8381 | 1.6465 | 2.0336 | 1.7494 | 1.4826 | 2.5190 | | |
| | 1.5240 | 1.8472 | 1.6287 | 2.0089 | 1.7636 | 1.5061 | 2.4204 | | |
| | 1.5256 | 1.8488 | 1.5692 | 1.9517 | 1.7543 | 1.4878 | 2.3381 | | |
| | 1.5486 | 1.8586 | 1.5211 | 1.8934 | 1.7258 | 1.4656 | 2.2422 | | |
| | 1.5826 | 1.8717 | 1.5227 | 1.8756 | 1.7235 | 1.4788 | 2.2000 | | |
| | 1.6345 | 1.8852 | 1.5687 | 1.8820 | 1.7363 | 1.5372 | 2.1759 | | |
| | 1.6592 | 1.8798 | 1.5958 | 1.8722 | 1.7289 | 1.5762 | 2.1120 | | |
| | | | | | | | | | |
| 13 | 1.6920 | 1.6969 | 1.7278 | 1.6595 | 1.4794 | 2.1876 | 4.5865 | | |
| | 1.7159 | 1.7152 | 1.7222 | 1.6415 | 1.5031 | 2.1997 | 4.5217 | | |
| | 1.7311 | 1.7196 | 1.7099 | 1.5594 | 1.4850 | 2.1962 | 4.4037 | | |
| | 1.7414 | 1.7188 | 1.6705 | 1.4919 | 1.4638 | 2.1671 | 4.1870 | | |
| | 1.7514 | 1.7282 | 1.6664 | 1.4943 | 1.4780 | 2.1576 | 4.0039 | | |
| | 1.7644 | 1.7440 | 1.6815 | 1.5358 | 1.5373 | 2.1558 | 3.7976 | | |
| | 1.7660 | 1.7451 | 1.6851 | 1.5672 | 1.5766 | 2.1146 | 3.5243 | | |
| | | | | | | | | | |
| 14 | 1.4601 | 1.4660 | 1.4603 | 1.5652 | 2.5019 | 4.5743 | | | |
| | 1.5130 | 1.5186 | 1.4796 | 1.5474 | 2.4059 | 4.5108 | | | |
| | 1.5245 | 1.5212 | 1.4707 | 1.5049 | 2.3263 | 4.3948 | | | |
| | 1.5130 | 1.5050 | 1.4778 | 1.4750 | 2.2344 | 4.1815 | | | |
| | 1.5359 | 1.5272 | 1.4986 | 1.4800 | 2.1951 | 4.0010 | | | |
| | 1.5778 | 1.5713 | 1.5501 | 1.5274 | 2.1734 | 3.7969 | | | |
| | 1.6090 | 1.6036 | 1.5850 | 1.5854 | 2.1111 | 3.5249 | | | |
| | | | | | | | | | |
| 15 | 3.0274 | 3.4150 | 3.1542 | 3.6561 | 4 EFPD 118 % POWER | | | | |
| | 2.9675 | 3.3248 | 3.0796 | 3.5420 | 50 EFPD 118 % POWER | | | | |
| | 2.9118 | 3.2402 | 3.0099 | 3.4362 | 100 EFPD 118 % POWER | | | | |
| | 2.8399 | 3.1243 | 2.9198 | 3.2969 | 175 EFPD 118 % POWER | | | | |
| | 2.7734 | 3.0211 | 2.8531 | 3.1911 | 250 EFPD 118 % POWER | | | | |
| | 2.6739 | 2.8981 | 2.7705 | 3.0701 | 350 EFPD 118 % POWER | | | | |
| | 2.5571 | 2.7488 | 2.6517 | 2.9171 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.8153 * 2.1069 * 2.1272 * 2.0927 * 1.6649 * 1.8073 * 1.5621 * 3.1915 *
   * 1.8075 * 2.1358 * 2.2209 * 2.0907 * 1.6297 * 1.8242 * 1.6104 * 3.1118 *
   * 1.7790 * 2.1539 * 2.2925 * 2.0965 * 1.6302 * 1.8394 * 1.6201 * 3.0504 *
   * 1.7794 * 2.1784 * 2.3483 * 2.1236 * 1.6671 * 1.8637 * 1.6228 * 2.9891 *
   * 1.7924 * 2.1840 * 2.3716 * 2.1489 * 1.7150 * 1.8850 * 1.6560 * 2.9388 *
   * 1.8078 * 2.1574 * 2.3490 * 2.1505 * 1.7654 * 1.8922 * 1.6932 * 2.8284 *
   * 1.8014 * 2.1070 * 2.2892 * 2.1250 * 1.7859 * 1.8839 * 1.7196 * 2.6855 *
   ********************************************************************************
 9 * 2.1069 * 1.7213 * 1.8466 * 1.7290 * 1.9743 * 1.8145 * 1.5685 * 3.2088 *
   * 2.1358 * 1.7238 * 1.9020 * 1.6841 * 1.9761 * 1.8275 * 1.6176 * 3.1187 *
   * 2.1539 * 1.7475 * 1.9484 * 1.6735 * 1.9742 * 1.8306 * 1.6197 * 3.0483 *
   * 2.1784 * 1.7839 * 1.9997 * 1.6946 * 1.9958 * 1.8438 * 1.6162 * 2.9770 *
   * 2.1840 * 1.8159 * 2.0262 * 1.7345 * 2.0215 * 1.8620 * 1.6468 * 2.9203 *
   * 2.1574 * 1.8361 * 2.0195 * 1.7741 * 2.0308 * 1.8690 * 1.6842 * 2.8271 *
   * 2.1070 * 1.8314 * 1.9865 * 1.7918 * 2.0168 * 1.8658 * 1.7154 * 2.6817 *
   ********************************************************************************
10 * 2.1272 * 1.8462 * 2.1515 * 2.1952 * 1.7738 * 1.8565 * 1.5751 * 3.7852 *
   * 2.2209 * 1.9015 * 2.2475 * 2.1706 * 1.7463 * 1.8409 * 1.5865 * 3.6291 *
   * 2.2925 * 1.9478 * 2.3175 * 2.1464 * 1.6826 * 1.8271 * 1.5742 * 3.5106 *
   * 2.3483 * 1.9992 * 2.3645 * 2.1217 * 1.6451 * 1.8031 * 1.5964 * 3.3824 *
   * 2.3716 * 2.0258 * 2.3728 * 2.1213 * 1.6542 * 1.8049 * 1.6256 * 3.2797 *
   * 2.3490 * 2.0192 * 2.3492 * 2.1112 * 1.6907 * 1.8053 * 1.6660 * 3.1272 *
   * 2.2892 * 1.9862 * 2.3008 * 2.0901 * 1.7160 * 1.8047 * 1.6989 * 2.9430 *
   ********************************************************************************
11 * 2.0927 * 1.7287 * 2.1930 * 1.7386 * 2.1958 * 1.7962 * 1.6958 * 3.9525 *
   * 2.0907 * 1.6834 * 2.1683 * 1.6819 * 2.1552 * 1.7642 * 1.6656 * 3.7893 *
   * 2.0965 * 1.6729 * 2.1445 * 1.6459 * 2.0908 * 1.6736 * 1.6160 * 3.6584 *
   * 2.1236 * 1.6943 * 2.1205 * 1.6426 * 2.0435 * 1.6158 * 1.5982 * 3.5215 *
   * 2.1489 * 1.7343 * 2.1207 * 1.6628 * 2.0329 * 1.6237 * 1.6062 * 3.4172 *
   * 2.1505 * 1.7742 * 2.1111 * 1.6958 * 2.0235 * 1.6523 * 1.6403 * 3.2588 *
   * 2.1250 * 1.7921 * 2.0902 * 1.7117 * 2.0082 * 1.6828 * 1.6974 * 3.0767 *
   ********************************************************************************
12 * 1.6649 * 1.9726 * 1.7702 * 2.1943 * 1.8908 * 1.6027 * 2.6634 *
   * 1.6297 * 1.9751 * 1.7423 * 2.1502 * 1.8962 * 1.6191 * 2.5446 *
   * 1.6302 * 1.9736 * 1.6791 * 2.0867 * 1.8827 * 1.5966 * 2.4548 *
   * 1.6671 * 1.9955 * 1.6433 * 2.0408 * 1.8719 * 1.5912 * 2.3800 *
   * 1.7150 * 2.0214 * 1.6534 * 2.0317 * 1.8748 * 1.6077 * 2.3446 *
   * 1.7654 * 2.0310 * 1.6909 * 2.0235 * 1.8699 * 1.6546 * 2.2951 *
   * 1.7859 * 2.0171 * 1.7166 * 2.0089 * 1.8579 * 1.6933 * 2.2193 *
   ************************************************************************
13 * 1.8073 * 1.8124 * 1.8460 * 1.7930 * 1.5992 * 2.3355 * 4.8728 *
   * 1.8242 * 1.8233 * 1.8321 * 1.7563 * 1.6158 * 2.3345 * 4.7749 *
   * 1.8394 * 1.8275 * 1.8199 * 1.6679 * 1.5935 * 2.3269 * 4.6416 *
   * 1.8637 * 1.8422 * 1.7966 * 1.6128 * 1.5893 * 2.3187 * 4.4498 *
   * 1.8850 * 1.8617 * 1.8007 * 1.6211 * 1.6068 * 2.3147 * 4.2759 *
   * 1.8922 * 1.8697 * 1.8034 * 1.6511 * 1.6547 * 2.2861 * 4.0127 *
   * 1.8839 * 1.8670 * 1.8041 * 1.6830 * 1.6938 * 2.2345 * 3.7111 *
   ****************************************************************
14 * 1.5621 * 1.5678 * 1.5614 * 1.6774 * 2.6451 * 4.8595 *
   * 1.6104 * 1.6163 * 1.5752 * 1.6509 * 2.5292 * 4.7631 *
   * 1.6201 * 1.6176 * 1.5653 * 1.6042 * 2.4424 * 4.6320 *
   * 1.6228 * 1.6163 * 1.5908 * 1.5904 * 2.3718 * 4.4440 *
   * 1.6560 * 1.6485 * 1.6206 * 1.6013 * 2.3394 * 4.2729 *
   * 1.6932 * 1.6861 * 1.6625 * 1.6384 * 2.2926 * 4.0121 *
   * 1.7196 * 1.7174 * 1.6968 * 1.6969 * 2.2184 * 3.7118 *
   ********************************************************
15 * 3.1915 * 3.5596 * 3.3188 * 3.8392 *   4 EFPD 118 % POWER
   * 3.1118 * 3.4537 * 3.2197 * 3.6997 *  50 EFPD 118 % POWER
   * 3.0504 * 3.3641 * 3.1438 * 3.5835 * 100 EFPD 118 % POWER
   * 2.9891 * 3.2599 * 3.0707 * 3.4633 * 175 EFPD 118 % POWER
   * 2.9388 * 3.1726 * 3.0110 * 3.3699 * 250 EFPD 118 % POWER
   * 2.8284 * 3.0373 * 2.9097 * 3.2231 * 350 EFPD 118 % POWER
   * 2.6855 * 2.8598 * 2.7723 * 3.0497 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 8 | 1.8869 | 2.2027 | 2.2213 | 2.1950 | 1.7391 | 1.8867 | 1.6210 | 3.3909 | |
| | 1.8801 | 2.2330 | 2.3151 | 2.1920 | 1.6956 | 1.8994 | 1.6657 | 3.2918 | |
| | 1.8546 | 2.2556 | 2.3918 | 2.2048 | 1.6960 | 1.9171 | 1.6749 | 3.2261 | |
| | 1.8692 | 2.2972 | 2.4820 | 2.2465 | 1.7451 | 1.9561 | 1.6870 | 3.1786 | |
| | 1.8942 | 2.3193 | 2.5286 | 2.2840 | 1.8048 | 1.9884 | 1.7308 | 3.1372 | |
| | 1.9235 | 2.3061 | 2.5230 | 2.2940 | 1.8655 | 2.0034 | 1.7765 | 3.0259 | |
| | 1.9192 | 2.2568 | 2.4627 | 2.2661 | 1.8855 | 1.9951 | 1.8033 | 2.8741 | |
| | | | | | | | | | |
| 9 | 2.2027 | 1.7919 | 1.9353 | 1.8016 | 2.0733 | 1.8953 | 1.6285 | 3.4063 | |
| | 2.2330 | 1.7944 | 1.9897 | 1.7577 | 2.0721 | 1.9055 | 1.6747 | 3.3010 | |
| | 2.2556 | 1.8218 | 2.0404 | 1.7460 | 2.0729 | 1.9110 | 1.6761 | 3.2302 | |
| | 2.2972 | 1.8740 | 2.1073 | 1.7763 | 2.1086 | 1.9376 | 1.6829 | 3.1737 | |
| | 2.3193 | 1.9183 | 2.1458 | 1.8289 | 2.1464 | 1.9678 | 1.7240 | 3.1247 | |
| | 2.3061 | 1.9515 | 2.1504 | 1.8786 | 2.1640 | 1.9828 | 1.7704 | 3.0312 | |
| | 2.2568 | 1.9484 | 2.1146 | 1.8941 | 2.1480 | 1.9738 | 1.7987 | 2.8782 | |
| | | | | | | | | | |
| 10 | 2.2213 | 1.9348 | 2.2499 | 2.2980 | 1.8532 | 1.9444 | 1.6415 | 4.0547 | |
| | 2.3151 | 1.9892 | 2.3446 | 2.2793 | 1.8237 | 1.9222 | 1.6464 | 3.8706 | |
| | 2.3918 | 2.0398 | 2.4199 | 2.2626 | 1.7573 | 1.9098 | 1.6340 | 3.7422 | |
| | 2.4820 | 2.1067 | 2.5012 | 2.2534 | 1.7275 | 1.9004 | 1.6650 | 3.6249 | |
| | 2.5286 | 2.1453 | 2.5339 | 2.2639 | 1.7473 | 1.9130 | 1.7083 | 3.5293 | |
| | 2.5230 | 2.1500 | 2.5207 | 2.2623 | 1.7947 | 1.9220 | 1.7581 | 3.3739 | |
| | 2.4627 | 2.1141 | 2.4586 | 2.2354 | 1.8185 | 1.9161 | 1.7886 | 3.1693 | |
| | | | | | | | | | |
| 11 | 2.1950 | 1.8012 | 2.2958 | 1.8319 | 2.3342 | 1.8900 | 1.7749 | 4.2401 | |
| | 2.1920 | 1.7570 | 2.2770 | 1.7670 | 2.2754 | 1.8451 | 1.7350 | 4.0505 | |
| | 2.2048 | 1.7455 | 2.2604 | 1.7281 | 2.2073 | 1.7474 | 1.6828 | 3.9144 | |
| | 2.2465 | 1.7760 | 2.2521 | 1.7300 | 2.1730 | 1.6968 | 1.6750 | 3.7961 | |
| | 2.2840 | 1.8289 | 2.2633 | 1.7608 | 2.1733 | 1.7126 | 1.6922 | 3.6994 | |
| | 2.2940 | 1.8788 | 2.2623 | 1.8042 | 2.1728 | 1.7480 | 1.7325 | 3.5394 | |
| | 2.2661 | 1.8944 | 2.2356 | 1.8177 | 2.1522 | 1.7808 | 1.7916 | 3.3370 | |
| | | | | | | | | | |
| 12 | 1.7391 | 2.0716 | 1.8494 | 2.3326 | 1.9943 | 1.6843 | 2.8704 | | |
| | 1.6956 | 2.0711 | 1.8194 | 2.2700 | 1.9965 | 1.6944 | 2.7303 | | |
| | 1.6960 | 2.0722 | 1.7535 | 2.2030 | 1.9836 | 1.6701 | 2.6310 | | |
| | 1.7451 | 2.1083 | 1.7256 | 2.1700 | 1.9847 | 1.6718 | 2.5631 | | |
| | 1.8048 | 2.1464 | 1.7466 | 2.1721 | 1.9998 | 1.7011 | 2.5362 | | |
| | 1.8655 | 2.1643 | 1.7950 | 2.1728 | 1.9990 | 1.7534 | 2.4878 | | |
| | 1.8855 | 2.1484 | 1.8192 | 2.1529 | 1.9862 | 1.7948 | 2.4060 | | |
| | | | | | | | | | |
| 13 | 1.8867 | 1.8930 | 1.9332 | 1.8865 | 1.6806 | 2.5102 | 5.2638 | | |
| | 1.8994 | 1.9010 | 1.9129 | 1.8363 | 1.6908 | 2.5003 | 5.1549 | | |
| | 1.9171 | 1.9076 | 1.9023 | 1.7373 | 1.6668 | 2.4926 | 5.0117 | | |
| | 1.9561 | 1.9360 | 1.8936 | 1.6902 | 1.6698 | 2.4987 | 4.8313 | | |
| | 1.9884 | 1.9675 | 1.9088 | 1.7087 | 1.7002 | 2.5077 | 4.6611 | | |
| | 2.0034 | 1.9836 | 1.9200 | 1.7470 | 1.7536 | 2.4800 | 4.3843 | | |
| | 1.9951 | 1.9751 | 1.9155 | 1.7809 | 1.7954 | 2.4231 | 4.0501 | | |
| | | | | | | | | | |
| 14 | 1.6210 | 1.6277 | 1.6270 | 1.7544 | 2.8504 | 5.2504 | | | |
| | 1.6657 | 1.6734 | 1.6345 | 1.7194 | 2.7135 | 5.1421 | | | |
| | 1.6749 | 1.6747 | 1.6247 | 1.6704 | 2.6173 | 5.0014 | | | |
| | 1.6870 | 1.6830 | 1.6592 | 1.6670 | 2.5542 | 4.8250 | | | |
| | 1.7308 | 1.7259 | 1.7042 | 1.6871 | 2.5308 | 4.6580 | | | |
| | 1.7765 | 1.7725 | 1.7547 | 1.7307 | 2.4852 | 4.3838 | | | |
| | 1.8033 | 1.8008 | 1.7866 | 1.7913 | 2.4052 | 4.0510 | | | |
| | | | | | | | | | |
| 15 | 3.3909 | 3.8150 | 3.5353 | 4.1184 | 4 EFPD 118 % POWER | | | | |
| | 3.2918 | 3.6816 | 3.4161 | 3.9535 | 50 EFPD 118 % POWER | | | | |
| | 3.2261 | 3.5845 | 3.3353 | 3.8318 | 100 EFPD 118 % POWER | | | | |
| | 3.1786 | 3.4902 | 3.2770 | 3.7291 | 175 EFPD 118 % POWER | | | | |
| | 3.1372 | 3.4102 | 3.2356 | 3.6421 | 250 EFPD 118 % POWER | | | | |
| | 3.0259 | 3.2722 | 3.1424 | 3.4953 | 350 EFPD 118 % POWER | | | | |
| | 2.8741 | 3.0838 | 2.9874 | 3.2948 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************
 8 * 1.9579 * 2.2855 * 2.3053 * 2.2835 * 1.8278 * 1.9986 * 1.7134 * 3.5840 *
   * 1.9346 * 2.2966 * 2.3816 * 2.2521 * 1.7601 * 1.9997 * 1.7547 * 3.4807 *
   * 1.9357 * 2.3503 * 2.4932 * 2.2911 * 1.7815 * 2.0269 * 1.7643 * 3.4112 *
   * 1.9670 * 2.4238 * 2.6230 * 2.3714 * 1.8568 * 2.0798 * 1.7862 * 3.3782 *
   * 2.0016 * 2.4555 * 2.6802 * 2.4229 * 1.9252 * 2.1238 * 1.8411 * 3.3459 *
   * 2.0446 * 2.4553 * 2.6858 * 2.4488 * 1.9996 * 2.1478 * 1.8967 * 3.2366 *
   * 2.0540 * 2.4185 * 2.6383 * 2.4355 * 2.0304 * 2.1445 * 1.9307 * 3.0795 *
   ********************************************************************
 9 * 2.2855 * 1.8632 * 2.0079 * 1.8755 * 2.1788 * 2.0082 * 1.7214 * 3.6004 *
   * 2.2966 * 1.8508 * 2.0480 * 1.8094 * 2.1394 * 2.0105 * 1.7647 * 3.4898 *
   * 2.3503 * 1.9039 * 2.1290 * 1.8217 * 2.1658 * 2.0210 * 1.7658 * 3.4151 *
   * 2.4238 * 1.9706 * 2.2217 * 1.8794 * 2.2363 * 2.0607 * 1.7828 * 3.3688 *
   * 2.4555 * 2.0255 * 2.2714 * 1.9453 * 2.2870 * 2.1031 * 1.8352 * 3.3311 *
   * 2.4553 * 2.0724 * 2.2869 * 2.0093 * 2.3181 * 2.1276 * 1.8918 * 3.2411 *
   * 2.4185 * 2.0829 * 2.2632 * 2.0365 * 2.3135 * 2.1236 * 1.9276 * 3.0827 *
   ********************************************************************
10 * 2.3053 * 2.0073 * 2.3446 * 2.4086 * 1.9556 * 2.0611 * 1.7349 * 4.2794 *
   * 2.3816 * 2.0473 * 2.4178 * 2.3620 * 1.9110 * 2.0314 * 1.7346 * 4.0915 *
   * 2.4932 * 2.1282 * 2.5277 * 2.3658 * 1.8610 * 2.0202 * 1.7226 * 3.9565 *
   * 2.6230 * 2.2211 * 2.6434 * 2.3864 * 1.8381 * 2.0203 * 1.7648 * 3.8527 *
   * 2.6802 * 2.2708 * 2.6884 * 2.4105 * 1.8674 * 2.0432 * 1.8187 * 3.7665 *
   * 2.6858 * 2.2864 * 2.6865 * 2.4223 * 1.9256 * 2.0610 * 1.8773 * 3.6116 *
   * 2.6383 * 2.2627 * 2.6335 * 2.4058 * 1.9567 * 2.0602 * 1.9149 * 3.3988 *
   ********************************************************************
11 * 2.2835 * 1.8750 * 2.4060 * 1.9188 * 2.4535 * 2.0029 * 1.8734 * 4.4706 *
   * 2.2521 * 1.8086 * 2.3592 * 1.8539 * 2.3984 * 1.9466 * 1.8252 * 4.2813 *
   * 2.2911 * 1.8211 * 2.3635 * 1.8200 * 2.3363 * 1.8404 * 1.7709 * 4.1479 *
   * 2.3714 * 1.8792 * 2.3852 * 1.8373 * 2.3176 * 1.7962 * 1.7730 * 4.0413 *
   * 2.4229 * 1.9454 * 2.4100 * 1.8802 * 2.3285 * 1.8230 * 1.7995 * 3.9516 *
   * 2.4488 * 2.0095 * 2.4223 * 1.9363 * 2.3370 * 1.8710 * 1.8512 * 3.7930 *
   * 2.4355 * 2.0368 * 2.4060 * 1.9567 * 2.3211 * 1.9078 * 1.9167 * 3.5801 *
   ********************************************************************
12 * 1.8278 * 2.1769 * 1.9519 * 2.4520 * 2.1209 * 1.7882 * 3.0347 *
   * 1.7601 * 2.1384 * 1.9071 * 2.3925 * 2.1158 * 1.7915 * 2.8864 *
   * 1.7815 * 2.1651 * 1.8571 * 2.3322 * 2.1028 * 1.7658 * 2.7814 *
   * 1.8568 * 2.2361 * 1.8361 * 2.3146 * 2.1165 * 1.7777 * 2.7256 *
   * 1.9252 * 2.2871 * 1.8667 * 2.3272 * 2.1433 * 1.8176 * 2.7088 *
   * 1.9996 * 2.3184 * 1.9260 * 2.3372 * 2.1522 * 1.8826 * 2.6677 *
   * 2.0304 * 2.3140 * 1.9576 * 2.3220 * 2.1381 * 1.9267 * 2.5778 *
   ********************************************************************
13 * 1.9986 * 2.0057 * 2.0490 * 1.9998 * 1.7841 * 2.6766 * 5.5425 *
   * 1.9997 * 2.0084 * 2.0214 * 1.9342 * 1.7877 * 2.6548 * 5.4114 *
   * 2.0269 * 2.0172 * 2.0122 * 1.8305 * 1.7623 * 2.6467 * 5.2770 *
   * 2.0798 * 2.0590 * 2.0132 * 1.7902 * 1.7755 * 2.6676 * 5.1254 *
   * 2.1238 * 2.1028 * 2.0388 * 1.8194 * 1.8168 * 2.6886 * 4.9698 *
   * 2.1478 * 2.1285 * 2.0591 * 1.8701 * 1.8829 * 2.6689 * 4.6971 *
   * 2.1445 * 2.1251 * 2.0596 * 1.9081 * 1.9273 * 2.6053 * 4.3396 *
   ********************************************************************
14 * 1.7134 * 1.7205 * 1.7193 * 1.8516 * 3.0149 * 5.5283 *
   * 1.7547 * 1.7631 * 1.7218 * 1.8085 * 2.8684 * 5.3990 *
   * 1.7643 * 1.7646 * 1.7126 * 1.7578 * 2.7671 * 5.2671 *
   * 1.7862 * 1.7829 * 1.7585 * 1.7645 * 2.7162 * 5.1195 *
   * 1.8411 * 1.8371 * 1.8130 * 1.7942 * 2.7031 * 4.9670 *
   * 1.8967 * 1.8940 * 1.8737 * 1.8494 * 2.6650 * 4.6969 *
   * 1.9307 * 1.9299 * 1.9128 * 1.9164 * 2.5770 * 4.3406 *
   ********************************************************
15 * 3.5840 * 4.0185 * 3.7350 * 4.3519 *   4 EFPD 118 % POWER
   * 3.4807 * 3.8854 * 3.6106 * 4.1868 *  50 EFPD 118 % POWER
   * 3.4112 * 3.7862 * 3.5255 * 4.0598 * 100 EFPD 118 % POWER
   * 3.3782 * 3.7049 * 3.4816 * 3.9682 * 175 EFPD 118 % POWER
   * 3.3459 * 3.6346 * 3.4518 * 3.8916 * 250 EFPD 118 % POWER
   * 3.2366 * 3.4977 * 3.3640 * 3.7441 * 350 EFPD 118 % POWER
   * 3.0795 * 3.3022 * 3.2052 * 3.5322 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 8 | 1.9264 | 2.2423 | 2.2602 | 2.2513 | 1.8101 | 1.9884 | 1.7131 | 3.5787 | |
| | 1.9088 | 2.2567 | 2.3353 | 2.2203 | 1.7420 | 1.9708 | 1.7321 | 3.4184 | |
| | 1.9070 | 2.3053 | 2.4359 | 2.2525 | 1.7567 | 2.0048 | 1.7589 | 3.3688 | |
| | 1.9641 | 2.3925 | 2.5590 | 2.3425 | 1.8426 | 2.0922 | 1.8165 | 3.3963 | |
| | 2.0247 | 2.4482 | 2.6367 | 2.4189 | 1.9342 | 2.1646 | 1.9004 | 3.4079 | |
| | 2.1423 | 2.5385 | 2.7275 | 2.5163 | 2.0799 | 2.2714 | 2.0387 | 3.4101 | |
| | 2.1504 | 2.4920 | 2.6651 | 2.4990 | 2.1173 | 2.2802 | 2.0908 | 3.2632 | |
| | | | | | | | | | |
| 9 | 2.2423 | 1.8301 | 1.9803 | 1.8518 | 2.1581 | 2.0033 | 1.7250 | 3.5994 | |
| | 2.2567 | 1.8192 | 2.0146 | 1.7900 | 2.1166 | 1.9832 | 1.7477 | 3.4252 | |
| | 2.3053 | 1.8664 | 2.0846 | 1.7992 | 2.1333 | 2.0082 | 1.7639 | 3.3650 | |
| | 2.3925 | 1.9609 | 2.1948 | 1.8685 | 2.2126 | 2.0783 | 1.8163 | 3.3784 | |
| | 2.4482 | 2.0401 | 2.2697 | 1.9539 | 2.2865 | 2.1491 | 1.8985 | 3.3834 | |
| | 2.5385 | 2.1581 | 2.3573 | 2.0902 | 2.3920 | 2.2593 | 2.0387 | 3.4063 | |
| | 2.4920 | 2.1654 | 2.3271 | 2.1234 | 2.3884 | 2.2689 | 2.0922 | 3.2574 | |
| | | | | | | | | | |
| 10 | 2.2602 | 1.9796 | 2.3004 | 2.3603 | 1.9503 | 2.0696 | 1.7548 | 4.2768 | |
| | 2.3353 | 2.0139 | 2.3724 | 2.3199 | 1.8951 | 2.0135 | 1.7327 | 4.0144 | |
| | 2.4359 | 2.0839 | 2.4710 | 2.3205 | 1.8396 | 2.0128 | 1.7309 | 3.8999 | |
| | 2.5590 | 2.1941 | 2.6031 | 2.3748 | 1.8477 | 2.0507 | 1.8022 | 3.8517 | |
| | 2.6367 | 2.2691 | 2.6775 | 2.4226 | 1.9037 | 2.1033 | 1.8853 | 3.8147 | |
| | 2.7275 | 2.3567 | 2.7628 | 2.5164 | 2.0464 | 2.2122 | 2.0361 | 3.7886 | |
| | 2.6651 | 2.3265 | 2.7001 | 2.5030 | 2.0924 | 2.2266 | 2.0867 | 3.5876 | |
| | | | | | | | | | |
| 11 | 2.2513 | 1.8515 | 2.3578 | 1.9146 | 2.4792 | 2.0435 | 1.9145 | 4.5327 | |
| | 2.2203 | 1.7892 | 2.3174 | 1.8368 | 2.3740 | 1.9434 | 1.8386 | 4.2511 | |
| | 2.2525 | 1.7986 | 2.3184 | 1.8074 | 2.3153 | 1.8496 | 1.7913 | 4.1149 | |
| | 2.3425 | 1.8683 | 2.3735 | 1.8452 | 2.3183 | 1.8323 | 1.8220 | 4.0523 | |
| | 2.4189 | 1.9540 | 2.4220 | 1.9102 | 2.3599 | 1.8897 | 1.8788 | 4.0161 | |
| | 2.5163 | 2.0905 | 2.5164 | 2.0464 | 2.4652 | 2.0283 | 2.0089 | 3.9925 | |
| | 2.4990 | 2.1237 | 2.5031 | 2.0783 | 2.4620 | 2.0831 | 2.0896 | 3.7833 | |
| | | | | | | | | | |
| 12 | 1.8101 | 2.1561 | 1.9459 | 2.4762 | 2.1902 | 1.8432 | 3.0862 | | |
| | 1.7420 | 2.1156 | 1.8904 | 2.3710 | 2.1389 | 1.8178 | 2.8768 | | |
| | 1.7567 | 2.1325 | 1.8362 | 2.3104 | 2.1301 | 1.7954 | 2.7780 | | |
| | 1.8426 | 2.2124 | 1.8458 | 2.3157 | 2.1707 | 1.8366 | 2.7565 | | |
| | 1.9342 | 2.2867 | 1.9032 | 2.3590 | 2.2272 | 1.9046 | 2.7770 | | |
| | 2.0799 | 2.3923 | 2.0469 | 2.4655 | 2.3270 | 2.0463 | 2.8440 | | |
| | 2.1173 | 2.3889 | 2.0933 | 2.4629 | 2.3250 | 2.1037 | 2.7600 | | |
| | | | | | | | | | |
| 13 | 1.9884 | 2.0006 | 2.0572 | 2.0352 | 1.8388 | 2.7380 | 5.7318 | | |
| | 1.9708 | 1.9813 | 2.0032 | 1.9339 | 1.8137 | 2.6710 | 5.4994 | | |
| | 2.0048 | 2.0042 | 2.0047 | 1.8427 | 1.7917 | 2.6656 | 5.3620 | | |
| | 2.0922 | 2.0765 | 2.0437 | 1.8290 | 1.8344 | 2.7168 | 5.2580 | | |
| | 2.1646 | 2.1490 | 2.0992 | 1.8884 | 1.9039 | 2.7730 | 5.1490 | | |
| | 2.2714 | 2.2603 | 2.2104 | 2.0288 | 2.0467 | 2.8469 | 4.9639 | | |
| | 2.2802 | 2.2704 | 2.2262 | 2.0835 | 2.1045 | 2.7919 | 4.6130 | | |
| | | | | | | | | | |
| 14 | 1.7131 | 1.7241 | 1.7402 | 1.8919 | 3.0633 | 5.7158 | | | |
| | 1.7321 | 1.7464 | 1.7196 | 1.8214 | 2.8579 | 5.4854 | | | |
| | 1.7589 | 1.7652 | 1.7208 | 1.7780 | 2.7631 | 5.3511 | | | |
| | 1.8165 | 1.8169 | 1.7960 | 1.8136 | 2.7470 | 5.2510 | | | |
| | 1.9004 | 1.9005 | 1.8825 | 1.8738 | 2.7715 | 5.1458 | | | |
| | 2.0387 | 2.0426 | 2.0322 | 2.0070 | 2.8415 | 4.9637 | | | |
| | 2.0908 | 2.0955 | 2.0844 | 2.0893 | 2.7593 | 4.6141 | | | |
| | | | | | | | | | |
| 15 | 3.5787 | 3.9844 | 3.7435 | 4.4007 | 4 EFPD 118 % POWER | | | | |
| | 3.4184 | 3.7872 | 3.5552 | 4.1484 | 50 EFPD 118 % POWER | | | | |
| | 3.3688 | 3.7079 | 3.4878 | 4.0299 | 100 EFPD 118 % POWER | | | | |
| | 3.3963 | 3.6940 | 3.4928 | 3.9865 | 175 EFPD 118 % POWER | | | | |
| | 3.4079 | 3.6703 | 3.4994 | 3.9629 | 250 EFPD 118 % POWER | | | | |
| | 3.4101 | 3.6542 | 3.5227 | 3.9519 | 350 EFPD 118 % POWER | | | | |
| | 3.2632 | 3.4689 | 3.3783 | 3.7516 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.8483 * 2.1631 * 2.1769 * 2.1635 * 1.7408 * 1.9215 * 1.6463 * 3.5074 *
   * 1.8377 * 2.1824 * 2.2517 * 2.1346 * 1.6763 * 1.9052 * 1.6639 * 3.3459 *
   * 1.8271 * 2.2220 * 2.3413 * 2.1572 * 1.6818 * 1.9331 * 1.6832 * 3.2945 *
   * 1.8681 * 2.2962 * 2.4777 * 2.2492 * 1.7670 * 2.0247 * 1.7408 * 3.3328 *
   * 1.9194 * 2.3441 * 2.5504 * 2.3201 * 1.8538 * 2.0918 * 1.8192 * 3.3400 *
   * 2.0083 * 2.3890 * 2.5962 * 2.3902 * 1.9620 * 2.1559 * 1.9174 * 3.2809 *
   * 2.0249 * 2.3626 * 2.5503 * 2.3747 * 1.9944 * 2.1615 * 1.9647 * 3.1337 *
   ********************************************************************************
 9 * 2.1631 * 1.7555 * 1.9001 * 1.7709 * 2.0782 * 1.9347 * 1.6569 * 3.5282 *
   * 2.1824 * 1.7451 * 1.9360 * 1.7109 * 2.0361 * 1.9161 * 1.6774 * 3.3560 *
   * 2.2220 * 1.7853 * 1.9971 * 1.7107 * 2.0474 * 1.9345 * 1.6868 * 3.3002 *
   * 2.2962 * 1.8657 * 2.1032 * 1.7833 * 2.1304 * 2.0083 * 1.7394 * 3.3246 *
   * 2.3441 * 1.9355 * 2.1697 * 1.8665 * 2.2014 * 2.0748 * 1.8156 * 3.3258 *
   * 2.3890 * 2.0233 * 2.2248 * 1.9711 * 2.2759 * 2.1425 * 1.9169 * 3.2846 *
   * 2.3626 * 2.0385 * 2.2053 * 1.9995 * 2.2686 * 2.1484 * 1.9657 * 3.1370 *
   ********************************************************************************
10 * 2.1769 * 1.8993 * 2.2162 * 2.2757 * 1.8709 * 2.0017 * 1.6884 * 4.2078 *
   * 2.2517 * 1.9352 * 2.2893 * 2.2372 * 1.8180 * 1.9458 * 1.6647 * 3.9417 *
   * 2.3413 * 1.9963 * 2.3768 * 2.2275 * 1.7662 * 1.9399 * 1.6562 * 3.8333 *
   * 2.4777 * 2.1025 * 2.5043 * 2.2791 * 1.7722 * 1.9753 * 1.7232 * 3.8041 *
   * 2.5504 * 2.1691 * 2.5728 * 2.3277 * 1.8231 * 2.0238 * 1.8011 * 3.7618 *
   * 2.5962 * 2.2243 * 2.6145 * 2.3922 * 1.9248 * 2.0919 * 1.9131 * 3.6663 *
   * 2.5503 * 2.2047 * 2.5685 * 2.3760 * 1.9693 * 2.1052 * 1.9702 * 3.4656 *
   ********************************************************************************
11 * 2.1635 * 1.7705 * 2.2731 * 1.8352 * 2.3971 * 1.9631 * 1.8475 * 4.4483 *
   * 2.1346 * 1.7102 * 2.2346 * 1.7624 * 2.2935 * 1.8790 * 1.7716 * 4.1601 *
   * 2.1572 * 1.7102 * 2.2254 * 1.7298 * 2.2391 * 1.7787 * 1.7177 * 4.0441 *
   * 2.2492 * 1.7831 * 2.2779 * 1.7658 * 2.2406 * 1.7526 * 1.7401 * 4.0084 *
   * 2.3201 * 1.8666 * 2.3273 * 1.8297 * 2.2815 * 1.8052 * 1.7907 * 3.9639 *
   * 2.3902 * 1.9713 * 2.3923 * 1.9255 * 2.3399 * 1.9054 * 1.8955 * 3.8726 *
   * 2.3747 * 1.9997 * 2.3763 * 1.9557 * 2.3366 * 1.9595 * 1.9822 * 3.6775 *
   ********************************************************************************
12 * 1.7408 * 2.0770 * 1.8670 * 2.3940 * 2.1280 * 1.7826 * 3.0341 *
   * 1.6763 * 2.0351 * 1.8146 * 2.2904 * 2.0803 * 1.7579 * 2.8277 *
   * 1.6818 * 2.0468 * 1.7631 * 2.2348 * 2.0635 * 1.7276 * 2.7370 *
   * 1.7670 * 2.1302 * 1.7703 * 2.2384 * 2.0906 * 1.7538 * 2.6996 *
   * 1.8538 * 2.2016 * 1.8226 * 2.2808 * 2.1421 * 1.8172 * 2.7142 *
   * 1.9620 * 2.2764 * 1.9254 * 2.3404 * 2.2076 * 1.9376 * 2.7374 *
   * 1.9944 * 2.2691 * 1.9703 * 2.3375 * 2.2104 * 2.0026 * 2.6670 *
   ************************************************************************
13 * 1.9215 * 1.9319 * 1.9895 * 1.9575 * 1.7782 * 2.6923 * 5.6475 *
   * 1.9052 * 1.9141 * 1.9357 * 1.8671 * 1.7537 * 2.6241 * 5.3940 *
   * 1.9331 * 1.9304 * 1.9317 * 1.7685 * 1.7239 * 2.6242 * 5.2704 *
   * 2.0247 * 2.0064 * 1.9684 * 1.7493 * 1.7516 * 2.6585 * 5.1386 *
   * 2.0918 * 2.0746 * 2.0200 * 1.8041 * 1.8166 * 2.7086 * 5.0326 *
   * 2.1559 * 2.1435 * 2.0904 * 1.9059 * 1.9381 * 2.7531 * 4.8628 *
   * 2.1615 * 2.1498 * 2.1050 * 1.9606 * 2.0034 * 2.7079 * 4.5126 *
   ****************************************************************
14 * 1.6463 * 1.6560 * 1.6749 * 1.8254 * 3.0124 * 5.6321 *
   * 1.6639 * 1.6759 * 1.6519 * 1.7547 * 2.8096 * 5.3808 *
   * 1.6832 * 1.6879 * 1.6462 * 1.7045 * 2.7228 * 5.2595 *
   * 1.7408 * 1.7392 * 1.7172 * 1.7320 * 2.6902 * 5.1325 *
   * 1.8192 * 1.8174 * 1.7983 * 1.7860 * 2.7090 * 5.0300 *
   * 1.9174 * 1.9194 * 1.9120 * 1.8943 * 2.7352 * 4.8629 *
   * 1.9647 * 1.9688 * 1.9699 * 1.9824 * 2.6666 * 4.5139 *
   ********************************************************
15 * 3.5074 * 3.9305 * 3.6682 * 4.3244 *   4 EFPD 118 % POWER
   * 3.3459 * 3.7285 * 3.4741 * 4.0610 *  50 EFPD 118 % POWER
   * 3.2945 * 3.6486 * 3.4114 * 3.9603 * 100 EFPD 118 % POWER
   * 3.3328 * 3.6478 * 3.4338 * 3.9380 * 175 EFPD 118 % POWER
   * 3.3400 * 3.6216 * 3.4445 * 3.9051 * 250 EFPD 118 % POWER
   * 3.2809 * 3.5388 * 3.4140 * 3.8270 * 350 EFPD 118 % POWER
   * 3.1337 * 3.3542 * 3.2738 * 3.6339 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7461 | 2.0486 | 2.0618 | 2.0512 | 1.6425 | 1.8103 | 1.5461 | 3.3076 |
| | 1.7313 | 2.0563 | 2.1242 | 2.0174 | 1.5742 | 1.7897 | 1.5576 | 3.1466 |
| | 1.7214 | 2.0929 | 2.2079 | 2.0389 | 1.5820 | 1.8189 | 1.5783 | 3.0988 |
| | 1.7681 | 2.1712 | 2.3396 | 2.1293 | 1.6695 | 1.9120 | 1.6406 | 3.1400 |
| | 1.8246 | 2.2268 | 2.4195 | 2.2038 | 1.7602 | 1.9895 | 1.7284 | 3.1677 |
| | 1.8925 | 2.2583 | 2.4549 | 2.2615 | 1.8596 | 2.0564 | 1.8228 | 3.1318 |
| | 1.9175 | 2.2390 | 2.4211 | 2.2592 | 1.9009 | 2.0680 | 1.8710 | 3.0100 |
| 9 | 2.0486 | 1.6601 | 1.8006 | 1.6750 | 1.9690 | 1.8212 | 1.5551 | 3.3224 |
| | 2.0563 | 1.6434 | 1.8271 | 1.6142 | 1.9252 | 1.7981 | 1.5681 | 3.1534 |
| | 2.0929 | 1.6785 | 1.8837 | 1.6134 | 1.9371 | 1.8155 | 1.5806 | 3.1002 |
| | 2.1712 | 1.7610 | 1.9874 | 1.6858 | 2.0193 | 1.8955 | 1.6380 | 3.1331 |
| | 2.2268 | 1.8351 | 2.0576 | 1.7710 | 2.0939 | 1.9741 | 1.7250 | 3.1611 |
| | 2.2583 | 1.9068 | 2.1020 | 1.8634 | 2.1569 | 2.0432 | 1.8222 | 3.1444 |
| | 2.2390 | 1.9297 | 2.0928 | 1.9023 | 2.1645 | 2.0540 | 1.8717 | 3.0217 |
| 10 | 2.0618 | 1.7998 | 2.0993 | 2.1539 | 1.7605 | 1.8763 | 1.5784 | 3.9665 |
| | 2.1242 | 1.8263 | 2.1590 | 2.1101 | 1.7052 | 1.8176 | 1.5491 | 3.7067 |
| | 2.2079 | 1.8830 | 2.2412 | 2.1024 | 1.6533 | 1.8173 | 1.5467 | 3.5987 |
| | 2.3396 | 1.9867 | 2.3661 | 2.1578 | 1.6662 | 1.8619 | 1.6217 | 3.5810 |
| | 2.4195 | 2.0570 | 2.4411 | 2.2140 | 1.7307 | 1.9262 | 1.7111 | 3.5699 |
| | 2.4549 | 2.1014 | 2.4734 | 2.2644 | 1.8296 | 1.9932 | 1.8177 | 3.5020 |
| | 2.4211 | 2.0922 | 2.4382 | 2.2638 | 1.8764 | 2.0096 | 1.8743 | 3.3312 |
| 11 | 2.0512 | 1.6746 | 2.1514 | 1.7301 | 2.2622 | 1.8386 | 1.7163 | 4.1820 |
| | 2.0174 | 1.6135 | 2.1076 | 1.6534 | 2.1516 | 1.7412 | 1.6386 | 3.9028 |
| | 2.0389 | 1.6129 | 2.1004 | 1.6224 | 2.0960 | 1.6544 | 1.5961 | 3.7836 |
| | 2.1293 | 1.6857 | 2.1566 | 1.6627 | 2.1107 | 1.6473 | 1.6338 | 3.7603 |
| | 2.2038 | 1.7711 | 2.2137 | 1.7345 | 2.1663 | 1.7155 | 1.6991 | 3.7617 |
| | 2.2615 | 1.8637 | 2.2645 | 1.8260 | 2.2273 | 1.8105 | 1.7988 | 3.6975 |
| | 2.2592 | 1.9026 | 2.2640 | 1.8635 | 2.2345 | 1.8646 | 1.8831 | 3.5337 |
| 12 | 1.6425 | 1.9673 | 1.7565 | 2.2594 | 1.9873 | 1.6576 | 2.8459 | |
| | 1.5742 | 1.9242 | 1.7008 | 2.1461 | 1.9346 | 1.6275 | 2.6389 | |
| | 1.5820 | 1.9366 | 1.6501 | 2.0917 | 1.9271 | 1.6068 | 2.5488 | |
| | 1.6695 | 2.0192 | 1.6646 | 2.1085 | 1.9700 | 1.6464 | 2.5371 | |
| | 1.7602 | 2.0941 | 1.7304 | 2.1658 | 2.0417 | 1.7271 | 2.5803 | |
| | 1.8596 | 2.1573 | 1.8303 | 2.2278 | 2.1052 | 1.8405 | 2.6140 | |
| | 1.9009 | 2.1650 | 1.8774 | 2.2355 | 2.1095 | 1.9034 | 2.5536 | |
| 13 | 1.8103 | 1.8184 | 1.8649 | 1.8263 | 1.6537 | 2.5190 | 5.3296 | |
| | 1.7897 | 1.7942 | 1.8082 | 1.7295 | 1.6233 | 2.4492 | 5.0828 | |
| | 1.8189 | 1.8118 | 1.8096 | 1.6452 | 1.6035 | 2.4460 | 4.9513 | |
| | 1.9120 | 1.8938 | 1.8558 | 1.6445 | 1.6446 | 2.4998 | 4.8554 | |
| | 1.9895 | 1.9740 | 1.9228 | 1.7147 | 1.7266 | 2.5785 | 4.7977 | |
| | 2.0564 | 2.0442 | 1.9920 | 1.8112 | 1.8410 | 2.6314 | 4.6202 | |
| | 2.0680 | 2.0555 | 2.0096 | 1.8658 | 1.9043 | 2.5943 | 4.3142 | |
| 14 | 1.5461 | 1.5540 | 1.5644 | 1.6961 | 2.8250 | 5.3148 | | |
| | 1.5576 | 1.5667 | 1.5373 | 1.6233 | 2.6217 | 5.0700 | | |
| | 1.5783 | 1.5801 | 1.5376 | 1.5843 | 2.5353 | 4.9403 | | |
| | 1.6406 | 1.6379 | 1.6164 | 1.6264 | 2.5287 | 4.8494 | | |
| | 1.7284 | 1.7268 | 1.7088 | 1.6951 | 2.5758 | 4.7956 | | |
| | 1.8228 | 1.8242 | 1.8168 | 1.7979 | 2.6122 | 4.6205 | | |
| | 1.8710 | 1.8747 | 1.8742 | 1.8836 | 2.5534 | 4.3156 | | |
| 15 | 3.3076 | 3.7212 | 3.4480 | 4.0616 | 4 EFPD 118 % POWER | | | |
| | 3.1466 | 3.5186 | 3.2605 | 3.8085 | 50 EFPD 118 % POWER | | | |
| | 3.0988 | 3.4333 | 3.1969 | 3.7042 | 100 EFPD 118 % POWER | | | |
| | 3.1400 | 3.4381 | 3.2282 | 3.6965 | 175 EFPD 118 % POWER | | | |
| | 3.1677 | 3.4368 | 3.2656 | 3.7056 | 250 EFPD 118 % POWER | | | |
| | 3.1318 | 3.3806 | 3.2584 | 3.6540 | 350 EFPD 118 % POWER | | | |
| | 3.0100 | 3.2253 | 3.1431 | 3.4969 | 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.6503 * 1.9387 * 1.9509 * 1.9414 * 1.5492 * 1.7054 * 1.4549 * 3.1281 *
   * 1.6370 * 1.9479 * 2.0142 * 1.9115 * 1.4865 * 1.6881 * 1.4669 * 2.9779 *
   * 1.6245 * 1.9789 * 2.0909 * 1.9284 * 1.4904 * 1.7122 * 1.4828 * 2.9255 *
   * 1.6583 * 2.0423 * 2.2033 * 2.0010 * 1.5619 * 1.7905 * 1.5314 * 2.9445 *
   * 1.7051 * 2.0868 * 2.2669 * 2.0653 * 1.6427 * 1.8585 * 1.6091 * 2.9609 *
   * 1.7678 * 2.1139 * 2.3011 * 2.1190 * 1.7384 * 1.9220 * 1.7003 * 2.9258 *
   * 1.8101 * 2.1139 * 2.2859 * 2.1357 * 1.7954 * 1.9558 * 1.7693 * 2.8334 *
   ********************************************************************************
 9 * 1.9387 * 1.5668 * 1.6996 * 1.5827 * 1.8613 * 1.7155 * 1.4632 * 3.1401 *
   * 1.9479 * 1.5535 * 1.7278 * 1.5255 * 1.8227 * 1.6959 * 1.4763 * 2.9824 *
   * 1.9789 * 1.5828 * 1.7787 * 1.5209 * 1.8297 * 1.7070 * 1.4844 * 2.9251 *
   * 2.0423 * 1.6516 * 1.8671 * 1.5793 * 1.8961 * 1.7731 * 1.5278 * 2.9321 *
   * 2.0868 * 1.7153 * 1.9277 * 1.6541 * 1.9608 * 1.8425 * 1.6048 * 2.9443 *
   * 2.1139 * 1.7805 * 1.9683 * 1.7411 * 2.0199 * 1.9086 * 1.6990 * 2.9267 *
   * 2.1139 * 1.8201 * 1.9753 * 1.7960 * 2.0459 * 1.9425 * 1.7700 * 2.8343 *
   ********************************************************************************
10 * 1.9509 * 1.6988 * 1.9875 * 2.0384 * 1.6615 * 1.7651 * 1.4821 * 3.7378 *
   * 2.0142 * 1.7269 * 2.0478 * 1.9987 * 1.6094 * 1.7114 * 1.4547 * 3.4955 *
   * 2.0909 * 1.7779 * 2.1230 * 1.9870 * 1.5569 * 1.7069 * 1.4487 * 3.3852 *
   * 2.2033 * 1.8664 * 2.2292 * 2.0266 * 1.5564 * 1.7384 * 1.5109 * 3.3473 *
   * 2.2669 * 1.9271 * 2.2911 * 2.0718 * 1.6106 * 1.7942 * 1.5905 * 3.3265 *
   * 2.3011 * 1.9677 * 2.3209 * 2.1188 * 1.7045 * 1.8601 * 1.6940 * 3.2620 *
   * 2.2859 * 1.9747 * 2.3038 * 2.1384 * 1.7730 * 1.9016 * 1.7725 * 3.1269 *
   ********************************************************************************
11 * 1.9414 * 1.5823 * 2.0360 * 1.6331 * 2.1356 * 1.7302 * 1.6105 * 3.9417 *
   * 1.9115 * 1.5248 * 1.9962 * 1.5588 * 2.0311 * 1.6367 * 1.5378 * 3.6814 *
   * 1.9284 * 1.5204 * 1.9850 * 1.5249 * 1.9733 * 1.5501 * 1.4933 * 3.5594 *
   * 2.0010 * 1.5791 * 2.0255 * 1.5536 * 1.9758 * 1.5357 * 1.5200 * 3.5128 *
   * 2.0653 * 1.6542 * 2.0715 * 1.6147 * 2.0214 * 1.5938 * 1.5768 * 3.4984 *
   * 2.1190 * 1.7414 * 2.1189 * 1.7038 * 2.0808 * 1.6859 * 1.6739 * 3.4431 *
   * 2.1357 * 1.7963 * 2.1386 * 1.7586 * 2.1104 * 1.7632 * 1.7796 * 3.3154 *
   ********************************************************************************
12 * 1.5492 * 1.8595 * 1.6575 * 2.1335 * 1.8643 * 1.5543 * 2.6734 *
   * 1.4865 * 1.8218 * 1.6051 * 2.0256 * 1.8164 * 1.5245 * 2.4767 *
   * 1.4904 * 1.8291 * 1.5527 * 1.9691 * 1.8050 * 1.5013 * 2.3833 *
   * 1.5619 * 1.8960 * 1.5548 * 1.9737 * 1.8387 * 1.5319 * 2.3624 *
   * 1.6427 * 1.9611 * 1.6103 * 2.0209 * 1.9014 * 1.6029 * 2.3967 *
   * 1.7384 * 2.0204 * 1.7052 * 2.0814 * 1.9638 * 1.7129 * 2.4279 *
   * 1.7954 * 2.0464 * 1.7740 * 2.1114 * 1.9959 * 1.7994 * 2.4008 *
   ************************************************************************
13 * 1.7054 * 1.7127 * 1.7540 * 1.7153 * 1.5505 * 2.3658 * 5.0313 *
   * 1.6881 * 1.6905 * 1.7021 * 1.6253 * 1.5205 * 2.2970 * 4.7957 *
   * 1.7122 * 1.7032 * 1.6992 * 1.5412 * 1.4981 * 2.2887 * 4.6548 *
   * 1.7905 * 1.7714 * 1.7325 * 1.5308 * 1.5302 * 2.3311 * 4.5481 *
   * 1.8585 * 1.8423 * 1.7911 * 1.5923 * 1.6025 * 2.3981 * 4.4824 *
   * 1.9220 * 1.9096 * 1.8589 * 1.6866 * 1.7135 * 2.4472 * 4.3176 *
   * 1.9558 * 1.9440 * 1.9017 * 1.7644 * 1.8003 * 2.4411 * 4.0560 *
   ****************************************************************
14 * 1.4549 * 1.4618 * 1.4680 * 1.5911 * 2.6533 * 5.0169 *
   * 1.4669 * 1.4744 * 1.4431 * 1.5229 * 2.4601 * 4.7823 *
   * 1.4828 * 1.4825 * 1.4398 * 1.4819 * 2.3701 * 4.6442 *
   * 1.5314 * 1.5274 * 1.5057 * 1.5132 * 2.3546 * 4.5423 *
   * 1.6091 * 1.6064 * 1.5878 * 1.5731 * 2.3925 * 4.4802 *
   * 1.7003 * 1.7009 * 1.6923 * 1.6732 * 2.4264 * 4.3180 *
   * 1.7693 * 1.7727 * 1.7722 * 1.7802 * 2.4007 * 4.0574 *
   ********************************************************
15 * 3.1281 * 3.5005 * 3.2499 * 3.8268 *   4 EFPD 118 % POWER
   * 2.9779 * 3.3118 * 3.0752 * 3.5909 *  50 EFPD 118 % POWER
   * 2.9255 * 3.2321 * 3.0080 * 3.4833 * 100 EFPD 118 % POWER
   * 2.9445 * 3.2152 * 3.0184 * 3.4514 * 175 EFPD 118 % POWER
   * 2.9609 * 3.2036 * 3.0441 * 3.4492 * 250 EFPD 118 % POWER
   * 2.9258 * 3.1496 * 3.0362 * 3.4015 * 350 EFPD 118 % POWER
   * 2.8334 * 3.0269 * 2.9505 * 3.2741 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5820 | 1.8549 | 1.8665 | 1.8573 | 1.4814 | 1.6262 | 1.3892 | 2.9701 |
| | 1.5726 | 1.8699 | 1.9352 | 1.8348 | 1.4276 | 1.6155 | 1.4054 | 2.8367 |
| | 1.5590 | 1.8962 | 2.0063 | 1.8469 | 1.4294 | 1.6349 | 1.4178 | 2.7806 |
| | 1.5762 | 1.9390 | 2.0803 | 1.8994 | 1.4839 | 1.6958 | 1.4517 | 2.7740 |
| | 1.6102 | 1.9685 | 2.1273 | 1.9498 | 1.5516 | 1.7512 | 1.5165 | 2.7729 |
| | 1.6630 | 1.9880 | 2.1518 | 1.9961 | 1.6382 | 1.8068 | 1.5990 | 2.7314 |
| | 1.7081 | 1.9934 | 2.1428 | 2.0182 | 1.6976 | 1.8443 | 1.6695 | 2.6501 |
| 9 | 1.8549 | 1.4986 | 1.6238 | 1.5153 | 1.7800 | 1.6358 | 1.3968 | 2.9805 |
| | 1.8699 | 1.4929 | 1.6572 | 1.4655 | 1.7474 | 1.6215 | 1.4140 | 2.8381 |
| | 1.8962 | 1.5180 | 1.7030 | 1.4579 | 1.7505 | 1.6283 | 1.4191 | 2.7733 |
| | 1.9390 | 1.5707 | 1.7740 | 1.5011 | 1.7988 | 1.6780 | 1.4472 | 2.7554 |
| | 1.9685 | 1.6212 | 1.8220 | 1.5629 | 1.8503 | 1.7345 | 1.5113 | 2.7502 |
| | 1.9880 | 1.6770 | 1.8557 | 1.6414 | 1.9024 | 1.7933 | 1.5969 | 2.7251 |
| | 1.9934 | 1.7195 | 1.8672 | 1.6987 | 1.9324 | 1.8310 | 1.6698 | 2.6430 |
| 10 | 1.8665 | 1.6230 | 1.9027 | 1.9497 | 1.5918 | 1.6815 | 1.4115 | 3.5207 |
| | 1.9352 | 1.6564 | 1.9685 | 1.9176 | 1.5457 | 1.6359 | 1.3901 | 3.3041 |
| | 2.0063 | 1.7022 | 2.0382 | 1.9025 | 1.4912 | 1.6271 | 1.3813 | 3.1936 |
| | 2.0803 | 1.7732 | 2.1203 | 1.9217 | 1.4766 | 1.6429 | 1.4299 | 3.1309 |
| | 2.1273 | 1.8213 | 2.1594 | 1.9532 | 1.5170 | 1.6860 | 1.4955 | 3.0929 |
| | 2.1518 | 1.8552 | 2.1830 | 1.9929 | 1.6010 | 1.7432 | 1.5902 | 3.0247 |
| | 2.1428 | 1.8666 | 2.1724 | 2.0171 | 1.6713 | 1.7894 | 1.6704 | 2.9054 |
| 11 | 1.8573 | 1.5148 | 1.9472 | 1.5643 | 2.0363 | 1.6501 | 1.5337 | 3.7171 |
| | 1.8348 | 1.4648 | 1.9151 | 1.4958 | 1.9452 | 1.5662 | 1.4691 | 3.4810 |
| | 1.8469 | 1.4574 | 1.9005 | 1.4597 | 1.8845 | 1.4798 | 1.4230 | 3.3542 |
| | 1.8994 | 1.5009 | 1.9207 | 1.4743 | 1.8698 | 1.4523 | 1.4357 | 3.2797 |
| | 1.9498 | 1.5630 | 1.9528 | 1.5215 | 1.9005 | 1.4978 | 1.4814 | 3.2462 |
| | 1.9961 | 1.6416 | 1.9930 | 1.6009 | 1.9513 | 1.5811 | 1.5691 | 3.1804 |
| | 2.0182 | 1.6990 | 2.0174 | 1.6579 | 1.9850 | 1.6600 | 1.6746 | 3.0633 |
| 12 | 1.4814 | 1.7782 | 1.5878 | 2.0348 | 1.7675 | 1.4765 | 2.5135 | |
| | 1.4276 | 1.7466 | 1.5413 | 1.9398 | 1.7306 | 1.4534 | 2.3369 | |
| | 1.4294 | 1.7500 | 1.4875 | 1.8802 | 1.7159 | 1.4283 | 2.2447 | |
| | 1.4839 | 1.7987 | 1.4750 | 1.8678 | 1.7359 | 1.4470 | 2.2071 | |
| | 1.5516 | 1.8506 | 1.5167 | 1.9000 | 1.7855 | 1.5046 | 2.2249 | |
| | 1.6382 | 1.9028 | 1.6017 | 1.9519 | 1.8402 | 1.6043 | 2.2472 | |
| | 1.6976 | 1.9328 | 1.6723 | 1.9860 | 1.8762 | 1.6922 | 2.2262 | |
| 13 | 1.6262 | 1.6329 | 1.6704 | 1.6355 | 1.4728 | 2.2268 | 4.7499 | |
| | 1.6155 | 1.6163 | 1.6263 | 1.5549 | 1.4496 | 2.1687 | 4.5432 | |
| | 1.6349 | 1.6244 | 1.6193 | 1.4709 | 1.4251 | 2.1563 | 4.3990 | |
| | 1.6958 | 1.6763 | 1.6372 | 1.4475 | 1.4453 | 2.1806 | 4.2670 | |
| | 1.7512 | 1.7344 | 1.6827 | 1.4955 | 1.5042 | 2.2302 | 4.1773 | |
| | 1.8068 | 1.7942 | 1.7422 | 1.5818 | 1.6050 | 2.2695 | 4.0158 | |
| | 1.8443 | 1.8324 | 1.7896 | 1.6612 | 1.6931 | 2.2680 | 3.7767 | |
| 14 | 1.3892 | 1.3953 | 1.3976 | 1.5147 | 2.4943 | 4.7362 | | |
| | 1.4054 | 1.4118 | 1.3785 | 1.4545 | 2.3209 | 4.5303 | | |
| | 1.4178 | 1.4162 | 1.3723 | 1.4116 | 2.2321 | 4.3888 | | |
| | 1.4517 | 1.4466 | 1.4245 | 1.4290 | 2.1995 | 4.2614 | | |
| | 1.5165 | 1.5127 | 1.4921 | 1.4778 | 2.2210 | 4.1753 | | |
| | 1.5990 | 1.5988 | 1.5880 | 1.5685 | 2.2459 | 4.0163 | | |
| | 1.6695 | 1.6725 | 1.6694 | 1.6752 | 2.2263 | 3.7781 | | |
| 15 | 2.9701 | 3.2963 | 3.0702 | 3.6071 | 4 EFPD 118 % POWER | | | |
| | 2.8367 | 3.1334 | 2.9148 | 3.3948 | 50 EFPD 118 % POWER | | | |
| | 2.7806 | 3.0518 | 2.8452 | 3.2831 | 100 EFPD 118 % POWER | | | |
| | 2.7740 | 3.0090 | 2.8304 | 3.2259 | 175 EFPD 118 % POWER | | | |
| | 2.7729 | 2.9798 | 2.8314 | 3.2037 | 250 EFPD 118 % POWER | | | |
| | 2.7314 | 2.9212 | 2.8077 | 3.1486 | 350 EFPD 118 % POWER | | | |
| | 2.6501 | 2.8121 | 2.7334 | 3.0394 | 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************
 8 * 1.4844 * 1.7564 * 1.7671 * 1.7586 * 1.3932 * 1.5311 * 1.3002 * 2.8624 *
   * 1.4852 * 1.7819 * 1.8482 * 1.7500 * 1.3516 * 1.5332 * 1.3248 * 2.7533 *
   * 1.4679 * 1.8036 * 1.9168 * 1.7619 * 1.3508 * 1.5518 * 1.3354 * 2.6965 *
   * 1.4603 * 1.8202 * 1.9835 * 1.7956 * 1.3889 * 1.5963 * 1.3535 * 2.6633 *
   * 1.4795 * 1.8340 * 2.0159 * 1.8312 * 1.4405 * 1.6368 * 1.4033 * 2.6390 *
   * 1.5272 * 1.8499 * 2.0355 * 1.8689 * 1.5151 * 1.6832 * 1.4743 * 2.5870 *
   * 1.5777 * 1.8640 * 2.0304 * 1.8946 * 1.5757 * 1.7238 * 1.5448 * 2.5145 *
   ********************************************************************
 9 * 1.7564 * 1.4101 * 1.5310 * 1.4244 * 1.6834 * 1.5398 * 1.3070 * 2.8702 *
   * 1.7819 * 1.4129 * 1.5752 * 1.3875 * 1.6655 * 1.5379 * 1.3327 * 2.7545 *
   * 1.8036 * 1.4328 * 1.6198 * 1.3778 * 1.6678 * 1.5444 * 1.3359 * 2.6926 *
   * 1.8202 * 1.4612 * 1.6690 * 1.4020 * 1.6980 * 1.5780 * 1.3482 * 2.6530 *
   * 1.8340 * 1.4968 * 1.7029 * 1.4501 * 1.7354 * 1.6198 * 1.3973 * 2.6305 *
   * 1.8499 * 1.5468 * 1.7318 * 1.5191 * 1.7792 * 1.6686 * 1.4712 * 2.5945 *
   * 1.8640 * 1.5944 * 1.7483 * 1.5769 * 1.8132 * 1.7092 * 1.5448 * 2.5216 *
   ********************************************************************
10 * 1.7671 * 1.5301 * 1.8026 * 1.8494 * 1.4944 * 1.5812 * 1.3198 * 3.4225 *
   * 1.8482 * 1.5743 * 1.8805 * 1.8322 * 1.4644 * 1.5503 * 1.3083 * 3.2340 *
   * 1.9168 * 1.6189 * 1.9478 * 1.8164 * 1.4092 * 1.5419 * 1.2982 * 3.1216 *
   * 1.9835 * 1.6683 * 2.0078 * 1.8124 * 1.3787 * 1.5407 * 1.3306 * 3.0294 *
   * 2.0159 * 1.7023 * 2.0372 * 1.8298 * 1.4024 * 1.5681 * 1.3790 * 2.9665 *
   * 2.0355 * 1.7313 * 2.0531 * 1.8626 * 1.4760 * 1.6179 * 1.4624 * 2.8856 *
   * 2.0304 * 1.7477 * 2.0472 * 1.8910 * 1.5473 * 1.6672 * 1.5419 * 2.7761 *
   ********************************************************************
11 * 1.7586 * 1.4240 * 1.8470 * 1.4688 * 1.9213 * 1.5435 * 1.4344 * 3.6022 *
   * 1.7500 * 1.3868 * 1.8297 * 1.4133 * 1.8536 * 1.4770 * 1.3830 * 3.4013 *
   * 1.7619 * 1.3773 * 1.8144 * 1.3790 * 1.7949 * 1.3926 * 1.3371 * 3.2774 *
   * 1.7956 * 1.4018 * 1.8114 * 1.3769 * 1.7636 * 1.3503 * 1.3345 * 3.1778 *
   * 1.8312 * 1.4502 * 1.8295 * 1.4061 * 1.7750 * 1.3786 * 1.3633 * 3.1171 *
   * 1.8689 * 1.5193 * 1.8628 * 1.4762 * 1.8179 * 1.4537 * 1.4418 * 3.0432 *
   * 1.8946 * 1.5772 * 1.8913 * 1.5344 * 1.8555 * 1.5338 * 1.5449 * 2.9428 *
   ********************************************************************
12 * 1.3932 * 1.6817 * 1.4905 * 1.9200 * 1.6481 * 1.3758 * 2.4220 *
   * 1.3516 * 1.6647 * 1.4601 * 1.8483 * 1.6310 * 1.3648 * 2.2687 *
   * 1.3508 * 1.6672 * 1.4055 * 1.7907 * 1.6167 * 1.3401 * 2.1754 *
   * 1.3889 * 1.6979 * 1.3772 * 1.7613 * 1.6201 * 1.3425 * 2.1127 *
   * 1.4405 * 1.7356 * 1.4022 * 1.7745 * 1.6489 * 1.3812 * 2.1051 *
   * 1.5151 * 1.7796 * 1.4767 * 1.8186 * 1.6977 * 1.4718 * 2.1232 *
   * 1.5757 * 1.8136 * 1.5483 * 1.8566 * 1.7381 * 1.5586 * 2.1113 *
   ************************************************************
13 * 1.5311 * 1.5370 * 1.5705 * 1.5298 * 1.3722 * 2.1258 * 4.5907 *
   * 1.5332 * 1.5328 * 1.5412 * 1.4659 * 1.3613 * 2.0875 * 4.4323 *
   * 1.5518 * 1.5405 * 1.5342 * 1.3839 * 1.3369 * 2.0742 * 4.2942 *
   * 1.5963 * 1.5761 * 1.5351 * 1.3456 * 1.3408 * 2.0778 * 4.1244 *
   * 1.6368 * 1.6196 * 1.5652 * 1.3766 * 1.3809 * 2.1006 * 3.9960 *
   * 1.6832 * 1.6695 * 1.6170 * 1.4538 * 1.4725 * 2.1349 * 3.8373 *
   * 1.7238 * 1.7105 * 1.6674 * 1.5351 * 1.5595 * 2.1428 * 3.6130 *
   ************************************************************
14 * 1.3002 * 1.3055 * 1.3064 * 1.4162 * 2.4032 * 4.5772 *
   * 1.3248 * 1.3303 * 1.2970 * 1.3687 * 2.2527 * 4.4203 *
   * 1.3354 * 1.3326 * 1.2894 * 1.3260 * 2.1627 * 4.2840 *
   * 1.3535 * 1.3475 * 1.3254 * 1.3280 * 2.1051 * 4.1193 *
   * 1.4033 * 1.3986 * 1.3758 * 1.3599 * 2.1014 * 3.9941 *
   * 1.4743 * 1.4729 * 1.4604 * 1.4413 * 2.1221 * 3.8378 *
   * 1.5448 * 1.5466 * 1.5411 * 1.5456 * 2.1115 * 3.6145 *
   ******************************************************
15 * 2.8624 * 3.2146 * 2.9657 * 3.4948 *   4 EFPD 118 % POWER
   * 2.7533 * 3.0745 * 2.8359 * 3.3152 *  50 EFPD 118 % POWER
   * 2.6965 * 2.9836 * 2.7643 * 3.2050 * 100 EFPD 118 % POWER
   * 2.6633 * 2.9119 * 2.7234 * 3.1214 * 175 EFPD 118 % POWER
   * 2.6390 * 2.8593 * 2.7077 * 3.0699 * 250 EFPD 118 % POWER
   * 2.5870 * 2.7889 * 2.6809 * 3.0078 * 350 EFPD 118 % POWER
   * 2.5145 * 2.6900 * 2.6163 * 2.9110 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 1.4178 | 1.6822 | 1.6934 | 1.6863 | 1.3363 | 1.4684 | 1.2462 | 2.7673 | |
| | 1.4385 | 1.7293 | 1.7962 | 1.7007 | 1.3132 | 1.4876 | 1.2844 | 2.6923 | |
| | 1.4216 | 1.7506 | 1.8633 | 1.7125 | 1.3110 | 1.5071 | 1.2961 | 2.6385 | |
| | 1.3928 | 1.7417 | 1.9010 | 1.7186 | 1.3245 | 1.5323 | 1.2968 | 2.5741 | |
| | 1.3888 | 1.7296 | 1.9069 | 1.7297 | 1.3559 | 1.5461 | 1.3213 | 2.5077 | |
| | 1.4140 | 1.7231 | 1.9044 | 1.7484 | 1.4133 | 1.5748 | 1.3748 | 2.4322 | |
| | 1.4570 | 1.7309 | 1.8950 | 1.7703 | 1.4682 | 1.6113 | 1.4397 | 2.3595 | |
| 9 | 1.6823 | 1.3474 | 1.4631 | 1.3628 | 1.6142 | 1.4766 | 1.2523 | 2.7737 | |
| | 1.7293 | 1.3690 | 1.5261 | 1.3454 | 1.6165 | 1.4914 | 1.2917 | 2.6925 | |
| | 1.7506 | 1.3884 | 1.5698 | 1.3355 | 1.6191 | 1.4990 | 1.2960 | 2.6339 | |
| | 1.7417 | 1.3951 | 1.5953 | 1.3379 | 1.6231 | 1.5135 | 1.2910 | 2.5633 | |
| | 1.7296 | 1.4083 | 1.6068 | 1.3644 | 1.6378 | 1.5280 | 1.3142 | 2.4981 | |
| | 1.7231 | 1.4370 | 1.6164 | 1.4147 | 1.6637 | 1.5593 | 1.3705 | 2.4388 | |
| | 1.7309 | 1.4777 | 1.6295 | 1.4680 | 1.6936 | 1.5962 | 1.4387 | 2.3658 | |
| 10 | 1.6934 | 1.4623 | 1.7282 | 1.7733 | 1.4331 | 1.5147 | 1.2626 | 3.3082 | |
| | 1.7962 | 1.5252 | 1.8273 | 1.7804 | 1.4237 | 1.5034 | 1.2668 | 3.1626 | |
| | 1.8633 | 1.5689 | 1.8934 | 1.7655 | 1.3723 | 1.4963 | 1.2575 | 3.0551 | |
| | 1.9010 | 1.5946 | 1.9259 | 1.7347 | 1.3229 | 1.4770 | 1.2735 | 2.9285 | |
| | 1.9069 | 1.6062 | 1.9288 | 1.7276 | 1.3211 | 1.4773 | 1.2957 | 2.8175 | |
| | 1.9044 | 1.6158 | 1.9229 | 1.7404 | 1.3728 | 1.5076 | 1.3593 | 2.7118 | |
| | 1.8950 | 1.6290 | 1.9145 | 1.7648 | 1.4388 | 1.5537 | 1.4336 | 2.6045 | |
| 11 | 1.6863 | 1.3624 | 1.7709 | 1.4030 | 1.8344 | 1.4744 | 1.3728 | 3.4815 | |
| | 1.7007 | 1.3447 | 1.7779 | 1.3678 | 1.8021 | 1.4333 | 1.3403 | 3.3269 | |
| | 1.7125 | 1.3349 | 1.7635 | 1.3345 | 1.7479 | 1.3525 | 1.2962 | 3.2080 | |
| | 1.7186 | 1.3377 | 1.7337 | 1.3135 | 1.6914 | 1.2933 | 1.2766 | 3.0727 | |
| | 1.7297 | 1.3644 | 1.7272 | 1.3248 | 1.6768 | 1.2957 | 1.2812 | 2.9605 | |
| | 1.7484 | 1.4150 | 1.7405 | 1.3721 | 1.6955 | 1.3490 | 1.3384 | 2.8567 | |
| | 1.7703 | 1.4683 | 1.7651 | 1.4254 | 1.7298 | 1.4246 | 1.4350 | 2.7593 | |
| 12 | 1.3363 | 1.6132 | 1.4295 | 1.8330 | 1.5688 | 1.3123 | 2.3299 | | |
| | 1.3132 | 1.6156 | 1.4197 | 1.7972 | 1.5741 | 1.3187 | 2.2102 | | |
| | 1.3110 | 1.6185 | 1.3686 | 1.7440 | 1.5630 | 1.2961 | 2.1202 | | |
| | 1.3245 | 1.6230 | 1.3214 | 1.6895 | 1.5492 | 1.2832 | 2.0336 | | |
| | 1.3559 | 1.6381 | 1.3207 | 1.6763 | 1.5501 | 1.2966 | 1.9896 | | |
| | 1.4133 | 1.6641 | 1.3735 | 1.6962 | 1.5750 | 1.3632 | 1.9794 | | |
| | 1.4682 | 1.6940 | 1.4398 | 1.7309 | 1.6114 | 1.4440 | 1.9675 | | |
| 13 | 1.4684 | 1.4737 | 1.5042 | 1.4648 | 1.3088 | 2.0363 | 4.4140 | | |
| | 1.4876 | 1.4863 | 1.4942 | 1.4223 | 1.3152 | 2.0251 | 4.3214 | | |
| | 1.5071 | 1.4950 | 1.4885 | 1.3437 | 1.2930 | 2.0136 | 4.1912 | | |
| | 1.5323 | 1.5117 | 1.4713 | 1.2886 | 1.2815 | 1.9948 | 3.9706 | | |
| | 1.5461 | 1.5278 | 1.4742 | 1.2935 | 1.2962 | 1.9827 | 3.8022 | | |
| | 1.5748 | 1.5601 | 1.5067 | 1.3491 | 1.3638 | 1.9880 | 3.6015 | | |
| | 1.6113 | 1.5975 | 1.5540 | 1.4258 | 1.4448 | 1.9925 | 3.3899 | | |
| 14 | 1.2462 | 1.2508 | 1.2495 | 1.3551 | 2.3115 | 4.4009 | | | |
| | 1.2844 | 1.2893 | 1.2555 | 1.3261 | 2.1944 | 4.3095 | | | |
| | 1.2961 | 1.2927 | 1.2486 | 1.2850 | 2.1075 | 4.1817 | | | |
| | 1.2968 | 1.2902 | 1.2682 | 1.2699 | 2.0259 | 3.9655 | | | |
| | 1.3213 | 1.3154 | 1.2925 | 1.2778 | 1.9860 | 3.8003 | | | |
| | 1.3748 | 1.3721 | 1.3574 | 1.3379 | 1.9783 | 3.6020 | | | |
| | 1.4397 | 1.4404 | 1.4329 | 1.4357 | 1.9677 | 3.3914 | | | |
| 15 | 2.7673 | 3.1078 | 2.8626 | 3.3764 | 4 EFPD 118 % POWER | | | | |
| | 2.6923 | 3.0075 | 2.7701 | 3.2412 | 50 EFPD 118 % POWER | | | | |
| | 2.6385 | 2.9213 | 2.7019 | 3.1356 | 100 EFPD 118 % POWER | | | | |
| | 2.5741 | 2.8157 | 2.6292 | 3.0168 | 175 EFPD 118 % POWER | | | | |
| | 2.5077 | 2.7176 | 2.5683 | 2.9148 | 250 EFPD 118 % POWER | | | | |
| | 2.4322 | 2.6229 | 2.5163 | 2.8229 | 350 EFPD 118 % POWER | | | | |
| | 2.3595 | 2.5248 | 2.4515 | 2.7288 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.3956 * 1.6432 * 1.6538 * 1.6470 * 1.3096 * 1.4376 * 1.2279 * 2.6817 *
   * 1.4416 * 1.7212 * 1.7855 * 1.6920 * 1.3133 * 1.4817 * 1.2891 * 2.6572 *
   * 1.4311 * 1.7472 * 1.8568 * 1.7066 * 1.3164 * 1.5055 * 1.3066 * 2.6129 *
   * 1.3818 * 1.7125 * 1.8506 * 1.6879 * 1.3100 * 1.5095 * 1.2899 * 2.5093 *
   * 1.3515 * 1.6710 * 1.8256 * 1.6710 * 1.3177 * 1.4958 * 1.2873 * 2.4068 *
   * 1.3489 * 1.6359 * 1.7926 * 1.6620 * 1.3501 * 1.4964 * 1.3137 * 2.2909 *
   * 1.3734 * 1.6275 * 1.7699 * 1.6680 * 1.3893 * 1.5153 * 1.3607 * 2.1963 *
   ********************************************************************************
 9 * 1.6432 * 1.3228 * 1.4289 * 1.3386 * 1.5747 * 1.4453 * 1.2339 * 2.6894 *
   * 1.7212 * 1.3707 * 1.5171 * 1.3477 * 1.6058 * 1.4849 * 1.2959 * 2.6570 *
   * 1.7472 * 1.3949 * 1.5638 * 1.3417 * 1.6128 * 1.4966 * 1.3063 * 2.6048 *
   * 1.7126 * 1.3829 * 1.5673 * 1.3246 * 1.5932 * 1.4927 * 1.2841 * 2.4925 *
   * 1.6710 * 1.3699 * 1.5543 * 1.3272 * 1.5814 * 1.4772 * 1.2803 * 2.3854 *
   * 1.6359 * 1.3721 * 1.5385 * 1.3516 * 1.5809 * 1.4813 * 1.3095 * 2.2848 *
   * 1.6275 * 1.3967 * 1.5365 * 1.3891 * 1.5948 * 1.5013 * 1.3597 * 2.1892 *
   ********************************************************************************
10 * 1.6538 * 1.4280 * 1.6874 * 1.7301 * 1.4068 * 1.4822 * 1.2424 * 3.1725 *
   * 1.7855 * 1.5162 * 1.8161 * 1.7696 * 1.4241 * 1.4975 * 1.2702 * 3.0923 *
   * 1.8568 * 1.5629 * 1.8864 * 1.7603 * 1.3825 * 1.4950 * 1.2652 * 3.0000 *
   * 1.8506 * 1.5665 * 1.8876 * 1.7045 * 1.3108 * 1.4591 * 1.2665 * 2.8335 *
   * 1.8256 * 1.5537 * 1.8535 * 1.6695 * 1.2891 * 1.4293 * 1.2618 * 2.6831 *
   * 1.7926 * 1.5380 * 1.8206 * 1.6539 * 1.3110 * 1.4311 * 1.2979 * 2.5371 *
   * 1.7699 * 1.5359 * 1.7957 * 1.6613 * 1.3586 * 1.4589 * 1.3540 * 2.4075 *
   ********************************************************************************
11 * 1.6469 * 1.3379 * 1.7277 * 1.3781 * 1.7863 * 1.4511 * 1.3527 * 3.3460 *
   * 1.6920 * 1.3469 * 1.7671 * 1.3673 * 1.7908 * 1.4402 * 1.3462 * 3.2607 *
   * 1.7066 * 1.3411 * 1.7582 * 1.3389 * 1.7421 * 1.3665 * 1.3066 * 3.1532 *
   * 1.6879 * 1.3243 * 1.7034 * 1.2999 * 1.6615 * 1.2898 * 1.2697 * 2.9721 *
   * 1.6710 * 1.3272 * 1.6692 * 1.2887 * 1.6229 * 1.2632 * 1.2489 * 2.8140 *
   * 1.6620 * 1.3518 * 1.6540 * 1.3110 * 1.6102 * 1.2868 * 1.2780 * 2.6634 *
   * 1.6680 * 1.3894 * 1.6615 * 1.3469 * 1.6249 * 1.3437 * 1.3541 * 2.5349 *
   ********************************************************************************
12 * 1.3096 * 1.5741 * 1.4033 * 1.7850 * 1.5316 * 1.2887 * 2.2394 *
   * 1.3133 * 1.6049 * 1.4201 * 1.7859 * 1.5645 * 1.3197 * 2.1644 *
   * 1.3164 * 1.6122 * 1.3789 * 1.7380 * 1.5601 * 1.3025 * 2.0842 *
   * 1.3100 * 1.5930 * 1.3092 * 1.6595 * 1.5261 * 1.2759 * 1.9773 *
   * 1.3177 * 1.5816 * 1.2887 * 1.6223 * 1.4997 * 1.2619 * 1.8959 *
   * 1.3501 * 1.5813 * 1.3116 * 1.6108 * 1.4962 * 1.2998 * 1.8503 *
   * 1.3893 * 1.5953 * 1.3595 * 1.6259 * 1.5138 * 1.3614 * 1.8146 *
   ************************************************************************
13 * 1.4376 * 1.4425 * 1.4718 * 1.4437 * 1.2852 * 1.9608 * 4.2321 *
   * 1.4817 * 1.4796 * 1.4878 * 1.4290 * 1.3162 * 1.9844 * 4.2206 *
   * 1.5055 * 1.4925 * 1.4870 * 1.3574 * 1.2992 * 1.9794 * 4.1072 *
   * 1.5095 * 1.4908 * 1.4532 * 1.2847 * 1.2741 * 1.9345 * 3.8433 *
   * 1.4958 * 1.4770 * 1.4261 * 1.2608 * 1.2614 * 1.8894 * 3.6209 *
   * 1.4964 * 1.4821 * 1.4301 * 1.2867 * 1.3003 * 1.8596 * 3.3717 *
   * 1.5153 * 1.5025 * 1.4590 * 1.3447 * 1.3622 * 1.8406 * 3.1318 *
   ****************************************************************
14 * 1.2279 * 1.2324 * 1.2293 * 1.3349 * 2.2216 * 4.2195 *
   * 1.2891 * 1.2937 * 1.2586 * 1.3316 * 2.1487 * 4.2089 *
   * 1.3066 * 1.3029 * 1.2559 * 1.2949 * 2.0715 * 4.0976 *
   * 1.2899 * 1.2832 * 1.2599 * 1.2627 * 1.9696 * 3.8381 *
   * 1.2873 * 1.2813 * 1.2581 * 1.2453 * 1.8922 * 3.6191 *
   * 1.3137 * 1.3110 * 1.2961 * 1.2772 * 1.8491 * 3.3720 *
   * 1.3607 * 1.3613 * 1.3531 * 1.3547 * 1.8147 * 3.1331 *
   ********************************************************
15 * 2.6817 * 2.9714 * 2.7617 * 3.2486 *   4 EFPD 118 % POWER
   * 2.6572 * 2.9349 * 2.7203 * 3.1754 *  50 EFPD 118 % POWER
   * 2.6129 * 2.8685 * 2.6638 * 3.0814 * 100 EFPD 118 % POWER
   * 2.5093 * 2.7212 * 2.5544 * 2.9225 * 175 EFPD 118 % POWER
   * 2.4068 * 2.5868 * 2.4460 * 2.7739 * 250 EFPD 118 % POWER
   * 2.2909 * 2.4523 * 2.3453 * 2.6348 * 350 EFPD 118 % POWER
   * 2.1963 * 2.3313 * 2.2554 * 2.5137 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A | |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 1.3535 | 1.5955 | 1.6077 | 1.5975 | 1.2729 | 1.3963 | 1.1952 | 2.6434 | |
| | 1.4388 | 1.7127 | 1.7772 | 1.6843 | 1.3095 | 1.4747 | 1.2866 | 2.6944 | |
| | 1.4411 | 1.7522 | 1.8604 | 1.7136 | 1.3212 | 1.5118 | 1.3173 | 2.6702 | |
| | 1.3761 | 1.7035 | 1.8567 | 1.6792 | 1.3007 | 1.4943 | 1.2847 | 2.5336 | |
| | 1.3197 | 1.6342 | 1.8040 | 1.6350 | 1.2844 | 1.4615 | 1.2585 | 2.3965 | |
| | 1.2874 | 1.5683 | 1.7389 | 1.5951 | 1.2880 | 1.4318 | 1.2544 | 2.2342 | |
| | 1.2914 | 1.5374 | 1.6908 | 1.5784 | 1.3057 | 1.4276 | 1.2772 | 2.1065 | |
| 9 | 1.5955 | 1.2898 | 1.3862 | 1.2993 | 1.5252 | 1.4031 | 1.2008 | 2.6508 | |
| | 1.7127 | 1.3690 | 1.5073 | 1.3447 | 1.5968 | 1.4773 | 1.2931 | 2.6947 | |
| | 1.7522 | 1.4019 | 1.5658 | 1.3484 | 1.6176 | 1.5018 | 1.3170 | 2.6677 | |
| | 1.7035 | 1.3753 | 1.5531 | 1.3168 | 1.5819 | 1.4779 | 1.2804 | 2.5272 | |
| | 1.6342 | 1.3362 | 1.5153 | 1.2943 | 1.5449 | 1.4421 | 1.2517 | 2.3851 | |
| | 1.5683 | 1.3097 | 1.4710 | 1.2901 | 1.5149 | 1.4169 | 1.2502 | 2.2358 | |
| | 1.5374 | 1.3120 | 1.4483 | 1.3060 | 1.5071 | 1.4140 | 1.2758 | 2.1083 | |
| 10 | 1.6077 | 1.3853 | 1.6396 | 1.6809 | 1.3599 | 1.4365 | 1.2087 | 3.1601 | |
| | 1.7772 | 1.5064 | 1.8065 | 1.7622 | 1.4179 | 1.4894 | 1.2679 | 3.1690 | |
| | 1.8604 | 1.5649 | 1.8890 | 1.7680 | 1.3902 | 1.5008 | 1.2733 | 3.0992 | |
| | 1.8567 | 1.5522 | 1.8802 | 1.6967 | 1.3042 | 1.4492 | 1.2620 | 2.8939 | |
| | 1.8040 | 1.5147 | 1.8275 | 1.6347 | 1.2610 | 1.3968 | 1.2343 | 2.7023 | |
| | 1.7389 | 1.4705 | 1.7598 | 1.5881 | 1.2527 | 1.3697 | 1.2395 | 2.5020 | |
| | 1.6908 | 1.4478 | 1.7124 | 1.5723 | 1.2761 | 1.3740 | 1.2703 | 2.3362 | |
| 11 | 1.5975 | 1.2988 | 1.6785 | 1.3336 | 1.7259 | 1.4044 | 1.3167 | 3.3254 | |
| | 1.6843 | 1.3439 | 1.7597 | 1.3606 | 1.7783 | 1.4390 | 1.3460 | 3.3378 | |
| | 1.7136 | 1.3477 | 1.7659 | 1.3436 | 1.7470 | 1.3810 | 1.3184 | 3.2591 | |
| | 1.6792 | 1.3165 | 1.6956 | 1.2921 | 1.6545 | 1.2871 | 1.2693 | 3.0408 | |
| | 1.6350 | 1.2943 | 1.6343 | 1.2572 | 1.5898 | 1.2370 | 1.2233 | 2.8380 | |
| | 1.5951 | 1.2903 | 1.5882 | 1.2529 | 1.5474 | 1.2289 | 1.2223 | 2.6317 | |
| | 1.5784 | 1.3063 | 1.5725 | 1.2653 | 1.5371 | 1.2608 | 1.2713 | 2.4668 | |
| 12 | 1.2729 | 1.5237 | 1.3565 | 1.7246 | 1.4839 | 1.2516 | 2.2155 | | |
| | 1.3095 | 1.5959 | 1.4139 | 1.7734 | 1.5539 | 1.3151 | 2.2037 | | |
| | 1.3212 | 1.6170 | 1.3865 | 1.7429 | 1.5638 | 1.3103 | 2.1412 | | |
| | 1.3007 | 1.5818 | 1.3025 | 1.6524 | 1.5107 | 1.2703 | 2.0043 | | |
| | 1.2844 | 1.5451 | 1.2606 | 1.5893 | 1.4637 | 1.2330 | 1.8930 | | |
| | 1.2880 | 1.5153 | 1.2533 | 1.5479 | 1.4302 | 1.2410 | 1.8073 | | |
| | 1.3057 | 1.5075 | 1.2769 | 1.5380 | 1.4234 | 1.2763 | 1.7444 | | |
| 13 | 1.3963 | 1.4004 | 1.4264 | 1.4014 | 1.2482 | 1.9350 | 4.2021 | | |
| | 1.4747 | 1.4722 | 1.4802 | 1.4277 | 1.3116 | 2.0065 | 4.2945 | | |
| | 1.5118 | 1.4976 | 1.4931 | 1.3715 | 1.3069 | 2.0175 | 4.2132 | | |
| | 1.4943 | 1.4760 | 1.4435 | 1.2841 | 1.2685 | 1.9468 | 3.9111 | | |
| | 1.4615 | 1.4418 | 1.3938 | 1.2345 | 1.2325 | 1.8751 | 3.6252 | | |
| | 1.4318 | 1.4176 | 1.3686 | 1.2286 | 1.2414 | 1.8079 | 3.3153 | | |
| | 1.4276 | 1.4151 | 1.3740 | 1.2616 | 1.2770 | 1.7611 | 3.0262 | | |
| 14 | 1.1952 | 1.1995 | 1.1958 | 1.2993 | 2.1988 | 4.1896 | | | |
| | 1.2866 | 1.2908 | 1.2562 | 1.3312 | 2.1875 | 4.2826 | | | |
| | 1.3173 | 1.3135 | 1.2637 | 1.3062 | 2.1279 | 4.2034 | | | |
| | 1.2847 | 1.2796 | 1.2561 | 1.2618 | 1.9967 | 3.9057 | | | |
| | 1.2585 | 1.2526 | 1.2303 | 1.2194 | 1.8890 | 3.6232 | | | |
| | 1.2544 | 1.2516 | 1.2377 | 1.2212 | 1.8060 | 3.3155 | | | |
| | 1.2772 | 1.2774 | 1.2693 | 1.2716 | 1.7443 | 3.0273 | | | |
| 15 | 2.6434 | 2.9624 | 2.7334 | 3.2294 | 4 EFPD 118 % POWER | | | | |
| | 2.6944 | 3.0018 | 2.7697 | 3.2488 | 50 EFPD 118 % POWER | | | | |
| | 2.6702 | 2.9568 | 2.7363 | 3.1840 | 100 EFPD 118 % POWER | | | | |
| | 2.5336 | 2.7760 | 2.5908 | 2.9840 | 175 EFPD 118 % POWER | | | | |
| | 2.3965 | 2.6027 | 2.4522 | 2.7919 | 250 EFPD 118 % POWER | | | | |
| | 2.2342 | 2.4167 | 2.3070 | 2.5977 | 350 EFPD 118 % POWER | | | | |
| | 2.1065 | 2.2604 | 2.1856 | 2.4349 | 465 EFPD 118 % POWER | | | | |

THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 1.2916 * 1.5979 * 1.6391 * 1.6011 * 1.2622 * 1.4209 * 1.2228 * 2.6366 *
   * 1.4968 * 1.7717 * 1.8631 * 1.7484 * 1.3739 * 1.5472 * 1.3635 * 2.7877 *
   * 1.5331 * 1.8416 * 1.9687 * 1.8065 * 1.4134 * 1.6023 * 1.4196 * 2.8106 *
   * 1.4698 * 1.7884 * 1.9513 * 1.7659 * 1.3897 * 1.5738 * 1.3768 * 2.6676 *
   * 1.3874 * 1.6917 * 1.8687 * 1.6942 * 1.3474 * 1.5179 * 1.3293 * 2.4921 *
   * 1.3175 * 1.5847 * 1.7544 * 1.6139 * 1.3160 * 1.4495 * 1.2871 * 2.2759 *
   * 1.2853 * 1.5189 * 1.6666 * 1.5600 * 1.2983 * 1.4070 * 1.2735 * 2.0971 *
   ********************************************************************************
 9 * 1.5979 * 1.2913 * 1.4105 * 1.2782 * 1.5247 * 1.4280 * 1.2288 * 2.6433 *
   * 1.7717 * 1.4380 * 1.5791 * 1.4102 * 1.6555 * 1.5495 * 1.3705 * 2.7888 *
   * 1.8416 * 1.4981 * 1.6588 * 1.4409 * 1.7041 * 1.5960 * 1.4213 * 2.8067 *
   * 1.7884 * 1.4705 * 1.6350 * 1.4082 * 1.6638 * 1.5565 * 1.3734 * 2.6595 *
   * 1.6917 * 1.4019 * 1.5687 * 1.3583 * 1.5988 * 1.4985 * 1.3228 * 2.4840 *
   * 1.5847 * 1.3386 * 1.4854 * 1.3192 * 1.5302 * 1.4349 * 1.2830 * 2.2835 *
   * 1.5189 * 1.3046 * 1.4257 * 1.2988 * 1.4872 * 1.3964 * 1.2721 * 2.1050 *
   ********************************************************************************
10 * 1.6391 * 1.4095 * 1.6744 * 1.6863 * 1.3142 * 1.4556 * 1.2329 * 3.1741 *
   * 1.8631 * 1.5781 * 1.8928 * 1.8224 * 1.4749 * 1.5594 * 1.3424 * 3.3018 *
   * 1.9687 * 1.6578 * 1.9985 * 1.8594 * 1.4813 * 1.5938 * 1.3711 * 3.2837 *
   * 1.9513 * 1.6341 * 1.9765 * 1.7834 * 1.3933 * 1.5277 * 1.3493 * 3.0670 *
   * 1.8687 * 1.5680 * 1.8886 * 1.6929 * 1.3252 * 1.4534 * 1.3061 * 2.8322 *
   * 1.7544 * 1.4848 * 1.7783 * 1.6089 * 1.2859 * 1.3892 * 1.2745 * 2.5689 *
   * 1.6666 * 1.4251 * 1.6900 * 1.5558 * 1.2707 * 1.3567 * 1.2675 * 2.3461 *
   ********************************************************************************
11 * 1.6011 * 1.2776 * 1.6838 * 1.3048 * 1.7221 * 1.3413 * 1.3297 * 3.3482 *
   * 1.7484 * 1.4094 * 1.8199 * 1.4196 * 1.8302 * 1.5011 * 1.4168 * 3.4812 *
   * 1.8065 * 1.4403 * 1.8572 * 1.4315 * 1.8321 * 1.4793 * 1.4168 * 3.4550 *
   * 1.7659 * 1.4079 * 1.7823 * 1.3803 * 1.7375 * 1.3775 * 1.3607 * 3.2236 *
   * 1.6942 * 1.3583 * 1.6925 * 1.3205 * 1.6478 * 1.3093 * 1.2971 * 2.9809 *
   * 1.6139 * 1.3194 * 1.6090 * 1.2816 * 1.5703 * 1.2641 * 1.2600 * 2.6993 *
   * 1.5600 * 1.2990 * 1.5560 * 1.2611 * 1.5235 * 1.2563 * 1.2706 * 2.4655 *
   ********************************************************************************
12 * 1.2622 * 1.5237 * 1.3122 * 1.7196 * 1.5083 * 1.2738 * 2.2011 *
   * 1.3739 * 1.6547 * 1.4709 * 1.8253 * 1.6263 * 1.3881 * 2.2807 *
   * 1.4134 * 1.7034 * 1.4774 * 1.8279 * 1.6555 * 1.4063 * 2.2591 *
   * 1.3897 * 1.6636 * 1.3915 * 1.7354 * 1.5907 * 1.3588 * 2.1157 *
   * 1.3474 * 1.5990 * 1.3247 * 1.6473 * 1.5213 * 1.3017 * 1.9760 *
   * 1.3160 * 1.5306 * 1.2864 * 1.5707 * 1.4492 * 1.2735 * 1.8425 *
   * 1.2983 * 1.4876 * 1.2714 * 1.5244 * 1.4037 * 1.2716 * 1.7360 *
   ************************************************************************
13 * 1.4209 * 1.4254 * 1.4454 * 1.3355 * 1.2702 * 1.9625 * 4.2723 *
   * 1.5472 * 1.5443 * 1.5499 * 1.4933 * 1.3844 * 2.1009 * 4.4965 *
   * 1.6023 * 1.5919 * 1.5857 * 1.4731 * 1.4028 * 2.1349 * 4.4682 *
   * 1.5738 * 1.5546 * 1.5215 * 1.3744 * 1.3568 * 2.0500 * 4.1374 *
   * 1.5179 * 1.4981 * 1.4500 * 1.3063 * 1.3011 * 1.9494 * 3.7779 *
   * 1.4494 * 1.4356 * 1.3881 * 1.2635 * 1.2738 * 1.8346 * 3.3775 *
   * 1.4070 * 1.3974 * 1.3565 * 1.2571 * 1.2722 * 1.7435 * 3.0116 *
   ****************************************************************
14 * 1.2228 * 1.2276 * 1.2199 * 1.3135 * 2.1847 * 4.2595 *
   * 1.3635 * 1.3683 * 1.3301 * 1.4015 * 2.2643 * 4.4842 *
   * 1.4196 * 1.4176 * 1.3608 * 1.4039 * 2.2461 * 4.4580 *
   * 1.3768 * 1.3725 * 1.3433 * 1.3529 * 2.1075 * 4.1317 *
   * 1.3293 * 1.3238 * 1.3015 * 1.2924 * 1.9716 * 3.7757 *
   * 1.2871 * 1.2844 * 1.2717 * 1.2585 * 1.8409 * 3.3776 *
   * 1.2735 * 1.2735 * 1.2659 * 1.2705 * 1.7357 * 3.0126 *
   ********************************************************
15 * 2.6366 * 2.9636 * 2.7376 * 3.2539 *   4 EFPD 118 % POWER
   * 2.7877 * 3.1175 * 2.8773 * 3.3951 *  50 EFPD 118 % POWER
   * 2.8106 * 3.1196 * 2.8875 * 3.3779 * 100 EFPD 118 % POWER
   * 2.6676 * 2.9301 * 2.7323 * 3.1632 * 175 EFPD 118 % POWER
   * 2.4921 * 2.7140 * 2.5564 * 2.9329 * 250 EFPD 118 % POWER
   * 2.2759 * 2.4719 * 2.3508 * 2.6610 * 350 EFPD 118 % POWER
   * 2.0971 * 2.2619 * 2.1716 * 2.4382 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-2 (CONTINUED)
M-SUB-C VALUES (F-SUB-Q RPS MARGIN) NORMAL OPERATION
THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2916 | 1.7817 | 1.9193 | 1.7999 | 1.2622 | 1.6489 | 1.2863 | 2.9261 |
| | 1.5238 | 2.0561 | 2.2360 | 2.0486 | 1.4631 | 1.8565 | 1.5035 | 3.2224 |
| | 1.6600 | 2.1832 | 2.3859 | 2.1612 | 1.5857 | 1.9468 | 1.6014 | 3.3218 |
| | 1.6847 | 2.1346 | 2.3466 | 2.1184 | 1.6224 | 1.9046 | 1.6136 | 3.1789 |
| | 1.6194 | 1.9912 | 2.1990 | 2.0022 | 1.5850 | 1.8026 | 1.5772 | 2.9417 |
| | 1.5275 | 1.8109 | 1.9948 | 1.8478 | 1.5248 | 1.6726 | 1.5085 | 2.6329 |
| | 1.4451 | 1.6675 | 1.8196 | 1.7175 | 1.4544 | 1.5572 | 1.4419 | 2.3453 |
| 9 | 1.7817 | 1.2913 | 1.6151 | 1.2782 | 1.7007 | 1.6601 | 1.2932 | 2.9145 |
| | 2.0561 | 1.5286 | 1.8688 | 1.4862 | 1.9279 | 1.8607 | 1.5082 | 3.2014 |
| | 2.1832 | 1.6721 | 1.9933 | 1.6085 | 2.0293 | 1.9406 | 1.6035 | 3.2930 |
| | 2.1346 | 1.7040 | 1.9640 | 1.6384 | 1.9887 | 1.8883 | 1.6114 | 3.1446 |
| | 1.9912 | 1.6429 | 1.8493 | 1.5963 | 1.8826 | 1.7844 | 1.5725 | 2.9077 |
| | 1.8109 | 1.5489 | 1.6927 | 1.5284 | 1.7450 | 1.6568 | 1.5040 | 2.6200 |
| | 1.6675 | 1.4626 | 1.5600 | 1.4559 | 1.6291 | 1.5451 | 1.4399 | 2.3390 |
| 10 | 1.9193 | 1.6140 | 1.9683 | 1.8702 | 1.3142 | 1.6817 | 1.3241 | 3.5306 |
| | 2.2360 | 1.8676 | 2.2825 | 2.1116 | 1.5100 | 1.8691 | 1.5284 | 3.8346 |
| | 2.3859 | 1.9920 | 2.4307 | 2.2024 | 1.6002 | 1.9264 | 1.6119 | 3.9069 |
| | 2.3466 | 1.9630 | 2.3842 | 2.1267 | 1.6023 | 1.8468 | 1.6055 | 3.6853 |
| | 2.1990 | 1.8485 | 2.2295 | 1.9958 | 1.5538 | 1.7350 | 1.5620 | 3.3730 |
| | 1.9948 | 1.6921 | 2.0259 | 1.8407 | 1.4963 | 1.6086 | 1.4975 | 3.0032 |
| | 1.8196 | 1.5594 | 1.8491 | 1.7138 | 1.4348 | 1.5023 | 1.4375 | 2.6623 |
| 11 | 1.7999 | 1.2776 | 1.8675 | 1.3048 | 1.9023 | 1.3413 | 1.4300 | 3.7431 |
| | 2.0486 | 1.4854 | 2.1088 | 1.4942 | 2.1039 | 1.5295 | 1.6162 | 4.0487 |
| | 2.1612 | 1.6078 | 2.1999 | 1.5882 | 2.1634 | 1.6042 | 1.6738 | 4.1057 |
| | 2.1184 | 1.6381 | 2.1254 | 1.5965 | 2.0701 | 1.5893 | 1.6281 | 3.8578 |
| | 2.0022 | 1.5964 | 1.9954 | 1.5468 | 1.9417 | 1.5436 | 1.5610 | 3.5273 |
| | 1.8478 | 1.5286 | 1.8407 | 1.4826 | 1.7976 | 1.4836 | 1.4880 | 3.1364 |
| | 1.7175 | 1.4561 | 1.7139 | 1.4147 | 1.6824 | 1.4239 | 1.4472 | 2.7800 |
| 12 | 1.2622 | 1.6996 | 1.3122 | 1.8980 | 1.7300 | 1.3766 | 2.3837 | |
| | 1.4631 | 1.9270 | 1.5059 | 2.0983 | 1.9219 | 1.5794 | 2.5947 | |
| | 1.5857 | 2.0286 | 1.5968 | 2.1587 | 1.9844 | 1.6439 | 2.6479 | |
| | 1.6224 | 1.9885 | 1.6007 | 2.0676 | 1.9038 | 1.6130 | 2.5177 | |
| | 1.5850 | 1.8828 | 1.5535 | 1.9410 | 1.7836 | 1.5553 | 2.3424 | |
| | 1.5248 | 1.7455 | 1.4968 | 1.7981 | 1.6476 | 1.4938 | 2.1437 | |
| | 1.4544 | 1.6295 | 1.4355 | 1.6831 | 1.5302 | 1.4367 | 1.9556 | |
| 13 | 1.6489 | 1.6554 | 1.6708 | 1.3355 | 1.3724 | 2.2360 | 4.9114 | |
| | 1.8565 | 1.8551 | 1.8587 | 1.5229 | 1.5750 | 2.4728 | 5.3269 | |
| | 1.9468 | 1.9360 | 1.9151 | 1.5988 | 1.6402 | 2.5522 | 5.3721 | |
| | 1.9046 | 1.8861 | 1.8395 | 1.5864 | 1.6109 | 2.4511 | 4.9786 | |
| | 1.8026 | 1.7839 | 1.7310 | 1.5426 | 1.5548 | 2.2939 | 4.4806 | |
| | 1.6726 | 1.6575 | 1.6070 | 1.4841 | 1.4942 | 2.1066 | 3.8961 | |
| | 1.5572 | 1.5461 | 1.5018 | 1.4246 | 1.4373 | 1.9342 | 3.3571 | |
| 14 | 1.2863 | 1.2924 | 1.3110 | 1.4133 | 2.3662 | 4.8965 | | |
| | 1.5035 | 1.5083 | 1.5158 | 1.6000 | 2.5779 | 5.3124 | | |
| | 1.6014 | 1.6043 | 1.6017 | 1.6605 | 2.6333 | 5.3598 | | |
| | 1.6136 | 1.6109 | 1.5991 | 1.6193 | 2.5085 | 4.9716 | | |
| | 1.5772 | 1.5739 | 1.5589 | 1.5559 | 2.3375 | 4.4778 | | |
| | 1.5085 | 1.5057 | 1.4954 | 1.4861 | 2.1417 | 3.8960 | | |
| | 1.4419 | 1.4416 | 1.4365 | 1.4465 | 1.9551 | 3.3578 | | |
| 15 | 2.9261 | 3.2747 | 3.0410 | 3.6481 | 4 EFPD 118 % POWER | | | |
| | 3.2224 | 3.5986 | 3.3305 | 3.9582 | 50 EFPD 118 % POWER | | | |
| | 3.3218 | 3.6939 | 3.4171 | 4.0227 | 100 EFPD 118 % POWER | | | |
| | 3.1789 | 3.5041 | 3.2570 | 3.7924 | 175 EFPD 118 % POWER | | | |
| | 2.9417 | 3.2160 | 3.0090 | 3.4762 | 250 EFPD 118 % POWER | | | |
| | 2.6329 | 2.8638 | 2.7038 | 3.0986 | 350 EFPD 118 % POWER | | | |
| | 2.3453 | 2.5389 | 2.4127 | 2.7494 | 465 EFPD 118 % POWER | | | |

THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

```
      H        G        F        E        D        C        B        A
   ********************************************************************************
 8 * 3.1451 * 3.9730 * 4.2755 * 3.9508 * 3.1214 * 3.9803 * 3.4417 * 6.7311 *
   * 3.8012 * 4.6936 * 5.0467 * 4.5983 * 3.6946 * 4.6076 * 4.0816 * 7.5828 *
   * 4.1436 * 5.0092 * 5.3780 * 4.8710 * 3.9943 * 4.8432 * 4.3264 * 7.8631 *
   * 4.1274 * 4.8154 * 5.1697 * 4.6909 * 3.9972 * 4.6253 * 4.2343 * 7.4265 *
   * 3.8149 * 4.3364 * 4.6619 * 4.2699 * 3.7438 * 4.1957 * 3.9565 * 6.6574 *
   * 3.3687 * 3.7096 * 3.9817 * 3.7054 * 3.3674 * 3.6435 * 3.5299 * 5.6319 *
   * 2.9432 * 3.1670 * 3.3716 * 3.1909 * 2.9649 * 3.1356 * 3.0998 * 4.6709 *
   ********************************************************************************
 9 * 3.9730 * 3.2052 * 3.9275 * 3.1845 * 3.8401 * 4.0773 * 3.4633 * 6.7261 *
   * 4.6935 * 3.8765 * 4.6169 * 3.7794 * 4.4459 * 4.6457 * 4.0980 * 7.5573 *
   * 5.0092 * 4.2358 * 4.9199 * 4.0817 * 4.6934 * 4.8369 * 4.3348 * 7.8187 *
   * 4.8154 * 4.2271 * 4.7352 * 4.0588 * 4.5121 * 4.5951 * 4.2333 * 7.3661 *
   * 4.3363 * 3.9092 * 4.2810 * 3.7894 * 4.1046 * 4.1611 * 3.9517 * 6.5980 *
   * 3.7096 * 3.4407 * 3.6719 * 3.3853 * 3.5748 * 3.6139 * 3.5273 * 5.6190 *
   * 3.1670 * 2.9933 * 3.1322 * 2.9721 * 3.0907 * 3.1171 * 3.0993 * 4.6700 *
   ********************************************************************************
10 * 4.2755 * 3.9249 * 4.3810 * 4.0802 * 3.2212 * 4.0590 * 3.5700 * 7.4915 *
   * 5.0467 * 4.6141 * 5.1548 * 4.7085 * 3.7782 * 4.5925 * 4.1829 * 8.3510 *
   * 5.3780 * 4.9170 * 5.4802 * 4.9374 * 4.0226 * 4.7536 * 4.3834 * 8.5759 *
   * 5.1697 * 4.7330 * 5.2414 * 4.7001 * 3.9633 * 4.4820 * 4.2386 * 8.0076 *
   * 4.6619 * 4.2794 * 4.7195 * 4.2556 * 3.6927 * 4.0548 * 3.9381 * 7.1254 *
   * 3.9817 * 3.6706 * 4.0340 * 3.6948 * 3.3199 * 3.5310 * 3.5247 * 6.0253 *
   * 3.3716 * 3.1312 * 3.4183 * 3.1875 * 2.9324 * 3.0525 * 3.1037 * 4.9979 *
   ********************************************************************************
11 * 3.9508 * 3.1827 * 4.0743 * 3.3264 * 4.1436 * 3.3494 * 3.8313 * 8.4120 *
   * 4.5983 * 3.7771 * 4.7024 * 3.8878 * 4.7003 * 3.9032 * 4.4307 * 9.3062 *
   * 4.8710 * 4.0798 * 4.9322 * 4.1364 * 4.8658 * 4.0934 * 4.5752 * 9.4915 *
   * 4.6909 * 4.0580 * 4.6975 * 4.0641 * 4.5908 * 3.9705 * 4.3438 * 8.7997 *
   * 4.2699 * 3.7893 * 4.2548 * 3.7772 * 4.1547 * 3.7004 * 3.9813 * 7.7967 *
   * 3.7054 * 3.3857 * 3.6949 * 3.3830 * 3.6171 * 3.3178 * 3.5483 * 6.5581 *
   * 3.1909 * 2.9725 * 3.1878 * 2.9738 * 3.1349 * 2.9368 * 3.1716 * 5.4101 *
   ********************************************************************************
12 * 3.1214 * 3.8376 * 3.2144 * 4.1363 * 4.2729 * 3.6805 * 5.5165 *
   * 3.6946 * 4.4435 * 3.7706 * 4.6879 * 4.8341 * 4.2875 * 6.1559 *
   * 3.9943 * 4.6914 * 4.0160 * 4.8554 * 4.9850 * 4.4505 * 6.3213 *
   * 3.9972 * 4.5112 * 3.9594 * 4.5852 * 4.6691 * 4.2482 * 5.9306 *
   * 3.7438 * 4.1049 * 3.6915 * 4.1530 * 4.1983 * 3.9150 * 5.3390 *
   * 3.3674 * 3.5756 * 3.3208 * 3.6176 * 3.6252 * 3.5089 * 4.6110 *
   * 2.9649 * 3.0914 * 2.9335 * 3.1360 * 3.1147 * 3.0999 * 3.9074 *
   ********************************************************************************
13 * 3.9803 * 4.0672 * 4.0410 * 3.3350 * 3.6683 * 5.3138 *10.8215 *
   * 4.6076 * 4.6317 * 4.5749 * 3.8865 * 4.2755 * 5.9727 *11.9682 *
   * 4.8432 * 4.8255 * 4.7385 * 4.0794 * 4.4403 * 6.1621 *12.1177 *
   * 4.6253 * 4.5893 * 4.4720 * 3.9628 * 4.2425 * 5.7944 *11.0752 *
   * 4.1957 * 4.1597 * 4.0503 * 3.6972 * 3.9131 * 5.2200 * 9.6694 *
   * 3.6435 * 3.6151 * 3.5273 * 3.3179 * 3.5093 * 4.5064 * 7.9785 *
   * 3.1356 * 3.1189 * 3.0512 * 2.9377 * 3.1006 * 3.8378 * 6.4212 *
   ********************************************************************************
14 * 3.4417 * 3.4606 * 3.5381 * 3.7903 * 5.4760 *10.7878 *
   * 4.0816 * 4.0978 * 4.1515 * 4.3893 * 6.1161 *11.9350 *
   * 4.3264 * 4.3373 * 4.3561 * 4.5387 * 6.2867 *12.0894 *
   * 4.2343 * 4.2369 * 4.2213 * 4.3196 * 5.9082 *11.0586 *
   * 3.9565 * 3.9554 * 3.9292 * 3.9674 * 5.3269 * 9.6621 *
   * 3.5299 * 3.5316 * 3.5197 * 3.5421 * 4.6057 * 7.9770 *
   * 3.0998 * 3.1045 * 3.1007 * 3.1686 * 3.9053 * 6.4217 *
   ********************************************************
15 * 6.7311 * 7.0692 * 6.9834 * 8.1785 *   4 EFPD 118 % POWER
   * 7.5828 * 7.9629 * 7.8201 * 9.0753 *  50 EFPD 118 % POWER
   * 7.8631 * 8.2306 * 8.0619 * 9.2760 * 100 EFPD 118 % POWER
   * 7.4265 * 7.7181 * 7.5740 * 8.6287 * 175 EFPD 118 % POWER
   * 6.6574 * 6.8785 * 6.7821 * 7.6653 * 250 EFPD 118 % POWER
   * 5.6319 * 5.8133 * 5.7644 * 6.4662 * 350 EFPD 118 % POWER
   * 4.6709 * 4.8160 * 4.7985 * 5.3472 * 465 EFPD 118 % POWER
   ************************************
```

TABLE A-3

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3557 | 1.2474 | 1.2328 | 1.2424 | 1.4436 | 1.3720 | 1.4439 | 0.6927 |
| | 1.3311 | 1.4409 | 1.4468 | 1.4048 | 1.2139 | 1.2560 | 1.2336 | 2.3419 |
| 9 | 1.2474 | 1.4363 | 1.4116 | 1.4174 | 1.2956 | 1.3652 | 1.4331 | 0.6875 |
| | 1.4409 | 1.2625 | 1.2602 | 1.2541 | 1.3460 | 1.2660 | 1.2437 | 2.3705 |
| 10 | 1.2328 | 1.4121 | 1.2102 | 1.1821 | 1.3281 | 1.3257 | 1.4135 | 0.5841 |
| | 1.4468 | 1.2600 | 1.4632 | 1.4993 | 1.3549 | 1.3489 | 1.2651 | 2.8761 |
| 11 | 1.2424 | 1.4178 | 1.1834 | 1.3706 | 1.1383 | 1.2591 | 1.2990 | 0.5448 |
| | 1.4048 | 1.2536 | 1.4979 | 1.3034 | 1.5475 | 1.4130 | 1.3645 | 3.1020 |
| 12 | 1.4436 | 1.2964 | 1.3313 | 1.1398 | 1.2678 | 1.3672 | 0.8177 | |
| | 1.2139 | 1.3451 | 1.3520 | 1.5467 | 1.3644 | 1.2791 | 2.0557 | |
| 13 | 1.3720 | 1.3669 | 1.3326 | 1.2636 | 1.3704 | 0.9268 | 0.4336 | |
| | 1.2560 | 1.2650 | 1.3417 | 1.4092 | 1.2764 | 1.7898 | 3.7479 | |
| 14 | 1.4439 | 1.4341 | 1.4252 | 1.3129 | 0.8233 | 0.4348 | | |
| | 1.2336 | 1.2432 | 1.2563 | 1.3508 | 2.0432 | 3.7384 | | |
| 15 | 0.6927 | 0.6226 | 0.6577 | 0.5605 | F-DEL-H | | | |
| | 2.3419 | 2.6777 | 2.5564 | 3.0185 | M-DEL-H | | | |

AT 100% POWER, 50 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3495 | 1.1949 | 1.1485 | 1.2088 | 1.4666 | 1.3308 | 1.4366 | 0.6950 |
| | 1.3560 | 1.5165 | 1.5831 | 1.4641 | 1.2237 | 1.3310 | 1.2384 | 2.4316 |
| 9 | 1.1949 | 1.4174 | 1.3351 | 1.4369 | 1.2688 | 1.3267 | 1.4261 | 0.6911 |
| | 1.5165 | 1.3052 | 1.3651 | 1.2613 | 1.4170 | 1.3385 | 1.2511 | 2.4535 |
| 10 | 1.1485 | 1.3356 | 1.1307 | 1.1571 | 1.3590 | 1.3089 | 1.4364 | 0.5955 |
| | 1.5831 | 1.3648 | 1.5824 | 1.5656 | 1.3491 | 1.3883 | 1.2660 | 2.8750 |
| 11 | 1.2088 | 1.4376 | 1.1585 | 1.4077 | 1.1385 | 1.3118 | 1.3488 | 0.5567 |
| | 1.4641 | 1.2609 | 1.5640 | 1.3044 | 1.5814 | 1.3925 | 1.3505 | 3.1477 |
| 12 | 1.4666 | 1.2695 | 1.3616 | 1.1400 | 1.2519 | 1.3879 | 0.8381 | |
| | 1.2237 | 1.4164 | 1.3469 | 1.5798 | 1.4096 | 1.3018 | 2.0956 | |
| 13 | 1.3308 | 1.3279 | 1.3153 | 1.3180 | 1.3910 | 0.9139 | 0.4349 | |
| | 1.3310 | 1.3378 | 1.3822 | 1.3863 | 1.2993 | 1.8663 | 3.8424 | |
| 14 | 1.4366 | 1.4273 | 1.4472 | 1.3613 | 0.8432 | 0.4360 | | |
| | 1.2384 | 1.2507 | 1.2578 | 1.3390 | 2.0840 | 3.8340 | | |
| 15 | 0.6950 | 0.6276 | 0.6635 | 0.5701 | F-DEL-H | | | |
| | 2.4316 | 2.7077 | 2.5836 | 3.0757 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 100 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3642 | 1.1547 | 1.0892 | 1.1772 | 1.4701 | 1.2936 | 1.4272 | 0.6982 |
| | 1.3364 | 1.5570 | 1.6575 | 1.5219 | 1.2176 | 1.3636 | 1.2407 | 2.4177 |
| 9 | 1.1547 | 1.3964 | 1.2758 | 1.4435 | 1.2418 | 1.2966 | 1.4241 | 0.6959 |
| | 1.5570 | 1.3204 | 1.4196 | 1.2508 | 1.4421 | 1.3687 | 1.2467 | 2.4338 |
| 10 | 1.0892 | 1.2762 | 1.0741 | 1.1419 | 1.4053 | 1.2929 | 1.4465 | 0.6047 |
| | 1.6575 | 1.4192 | 1.6787 | 1.5860 | 1.3004 | 1.4024 | 1.2579 | 2.8743 |
| 11 | 1.1772 | 1.4441 | 1.1431 | 1.4394 | 1.1447 | 1.3842 | 1.3848 | 0.5685 |
| | 1.5219 | 1.2505 | 1.5847 | 1.2751 | 1.5693 | 1.3232 | 1.3157 | 3.0832 |
| 12 | 1.4701 | 1.2422 | 1.4080 | 1.1469 | 1.2424 | 1.4082 | 0.8573 | |
| | 1.2176 | 1.4417 | 1.2982 | 1.5665 | 1.4426 | 1.2844 | 2.0515 | |
| 13 | 1.2936 | 1.2990 | 1.2981 | 1.3892 | 1.4112 | 0.9076 | 0.4420 | |
| | 1.3636 | 1.3666 | 1.3974 | 1.3189 | 1.2821 | 1.9170 | 3.7927 | |
| 14 | 1.4272 | 1.4236 | 1.4556 | 1.3955 | 0.8617 | 0.4429 | | |
| | 1.2407 | 1.2478 | 1.2508 | 1.3064 | 2.0420 | 3.7857 | | |
| 15 | 0.6982 | 0.6334 | 0.6697 | 0.5806 | F-DEL-H | | | |
| | 2.4177 | 2.6802 | 2.5980 | 3.0206 | M-DEL-H | | | |

AT 100% POWER, 175 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3865 | 1.1228 | 1.0409 | 1.1437 | 1.4707 | 1.2549 | 1.4417 | 0.7071 |
| | 1.2910 | 1.5652 | 1.7008 | 1.5367 | 1.2186 | 1.3793 | 1.2256 | 2.3836 |
| 9 | 1.1228 | 1.3908 | 1.2236 | 1.4512 | 1.2096 | 1.2653 | 1.4412 | 0.7067 |
| | 1.5652 | 1.3008 | 1.4533 | 1.2435 | 1.4535 | 1.3783 | 1.2295 | 2.3931 |
| 10 | 1.0409 | 1.2240 | 1.0295 | 1.1293 | 1.4616 | 1.2815 | 1.4479 | 0.6198 |
| | 1.7008 | 1.4530 | 1.7183 | 1.5933 | 1.2533 | 1.4092 | 1.2398 | 2.7577 |
| 11 | 1.1437 | 1.4515 | 1.1300 | 1.4719 | 1.1522 | 1.4560 | 1.4094 | 0.5860 |
| | 1.5367 | 1.2433 | 1.5924 | 1.2478 | 1.5563 | 1.2594 | 1.2892 | 2.9527 |
| 12 | 1.4707 | 1.2097 | 1.4634 | 1.1536 | 1.2321 | 1.4265 | 0.8783 | |
| | 1.2186 | 1.4533 | 1.2518 | 1.5546 | 1.4329 | 1.2702 | 2.0056 | |
| 13 | 1.2549 | 1.2665 | 1.2861 | 1.4592 | 1.4286 | 0.9052 | 0.4573 | |
| | 1.3793 | 1.3773 | 1.4044 | 1.2567 | 1.2686 | 1.8883 | 3.6708 | |
| 14 | 1.4417 | 1.4419 | 1.4535 | 1.4169 | 0.8813 | 0.4579 | | |
| | 1.2256 | 1.2314 | 1.2350 | 1.2827 | 1.9991 | 3.6663 | | |
| 15 | 0.7071 | 0.6449 | 0.6803 | 0.5964 | F-DEL-H | | | |
| | 2.3836 | 2.6284 | 2.5154 | 2.9009 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 250 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3981 | 1.1107 | 1.0220 | 1.1228 | 1.4577 | 1.2303 | 1.4458 | 0.7205 |
| | 1.2589 | 1.5804 | 1.7183 | 1.5371 | 1.2122 | 1.3795 | 1.2239 | 2.2959 |
| 9 | 1.1107 | 1.3908 | 1.1983 | 1.4435 | 1.1862 | 1.2438 | 1.4472 | 0.7213 |
| | 1.5804 | 1.2784 | 1.4675 | 1.2336 | 1.4549 | 1.3760 | 1.2269 | 2.3026 |
| 10 | 1.0220 | 1.1987 | 1.0141 | 1.1223 | 1.4783 | 1.2707 | 1.4517 | 0.6371 |
| | 1.7183 | 1.4672 | 1.7227 | 1.5700 | 1.2099 | 1.3955 | 1.2375 | 2.6861 |
| 11 | 1.1228 | 1.4436 | 1.1227 | 1.4803 | 1.1499 | 1.4806 | 1.4257 | 0.6042 |
| | 1.5371 | 1.2336 | 1.5695 | 1.2050 | 1.5331 | 1.2221 | 1.2660 | 2.8542 |
| 12 | 1.4577 | 1.1861 | 1.4791 | 1.1505 | 1.2208 | 1.4384 | 0.8919 | |
| | 1.2122 | 1.4549 | 1.2093 | 1.5323 | 1.4183 | 1.2208 | 1.9373 | |
| 13 | 1.2303 | 1.2440 | 1.2734 | 1.4821 | 1.4393 | 0.9073 | 0.4760 | |
| | 1.3795 | 1.3758 | 1.3924 | 1.2208 | 1.2200 | 1.8799 | 3.5273 | |
| 14 | 1.4458 | 1.4470 | 1.4555 | 1.4308 | 0.8937 | 0.4764 | | |
| | 1.2239 | 1.2290 | 1.2345 | 1.2616 | 1.9332 | 3.5250 | | |
| 15 | 0.7205 | 0.6598 | 0.6935 | 0.6132 | F-DEL-H | | | |
| | 2.2959 | 2.5263 | 2.4264 | 2.8117 | M-DEL-H | | | |

AT 100% POWER, 350 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3982 | 1.1061 | 1.0159 | 1.1050 | 1.4314 | 1.2088 | 1.4358 | 0.7418 |
| | 1.2603 | 1.5624 | 1.7136 | 1.5645 | 1.2119 | 1.4026 | 1.1932 | 2.2315 |
| 9 | 1.1061 | 1.3875 | 1.1831 | 1.4234 | 1.1631 | 1.2222 | 1.4375 | 0.7433 |
| | 1.5624 | 1.2844 | 1.4769 | 1.2306 | 1.4835 | 1.3982 | 1.1969 | 2.2350 |
| 10 | 1.0159 | 1.1834 | 1.0112 | 1.1111 | 1.4638 | 1.2513 | 1.4398 | 0.6622 |
| | 1.7136 | 1.4766 | 1.7164 | 1.5880 | 1.2175 | 1.4024 | 1.2100 | 2.5396 |
| 11 | 1.1050 | 1.4233 | 1.1112 | 1.4664 | 1.1379 | 1.4718 | 1.4240 | 0.6292 |
| | 1.5645 | 1.2306 | 1.5878 | 1.2129 | 1.5459 | 1.2080 | 1.2449 | 2.7045 |
| 12 | 1.4314 | 1.1629 | 1.4636 | 1.1379 | 1.2067 | 1.4320 | 0.9048 | |
| | 1.2119 | 1.4836 | 1.2175 | 1.5458 | 1.4306 | 1.2217 | 1.9081 | |
| 13 | 1.2088 | 1.2217 | 1.2525 | 1.4719 | 1.4320 | 0.9151 | 0.5047 | |
| | 1.4026 | 1.3987 | 1.4007 | 1.2077 | 1.2216 | 1.8230 | 3.2607 | |
| 14 | 1.4358 | 1.4364 | 1.4415 | 1.4265 | 0.9056 | 0.5047 | | |
| | 1.1932 | 1.1991 | 1.2085 | 1.2424 | 1.9060 | 3.2602 | | |
| 15 | 0.7418 | 0.6826 | 0.7129 | 0.6367 | F-DEL-H | | | |
| | 2.2315 | 2.4422 | 2.3578 | 2.6647 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 100% POWER, 465 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3844 | 1.1043 | 1.0211 | 1.0924 | 1.3981 | 1.1882 | 1.4121 | 0.7660 |
| | 1.2515 | 1.5678 | 1.7073 | 1.5577 | 1.2223 | 1.4022 | 1.2163 | 2.1204 |
| 9 | 1.1043 | 1.3762 | 1.1754 | 1.3957 | 1.1442 | 1.2015 | 1.4131 | 0.7683 |
| | 1.5678 | 1.2758 | 1.4803 | 1.2382 | 1.4828 | 1.3970 | 1.2198 | 2.1218 |
| 10 | 1.0211 | 1.1756 | 1.0161 | 1.0989 | 1.4285 | 1.2263 | 1.4141 | 0.6916 |
| | 1.7073 | 1.4800 | 1.7008 | 1.5805 | 1.2274 | 1.4073 | 1.2318 | 2.3900 |
| 11 | 1.0924 | 1.3956 | 1.0988 | 1.4375 | 1.1226 | 1.4388 | 1.4023 | 0.6574 |
| | 1.5577 | 1.2383 | 1.5805 | 1.2172 | 1.5368 | 1.2348 | 1.2645 | 2.5407 |
| 12 | 1.3981 | 1.1440 | 1.4279 | 1.1222 | 1.1902 | 1.4104 | 0.9169 | |
| | 1.2223 | 1.4829 | 1.2277 | 1.5371 | 1.4199 | 1.2188 | 1.8427 | |
| 13 | 1.1882 | 1.2008 | 1.2266 | 1.4382 | 1.4100 | 0.9271 | 0.5402 | |
| | 1.4022 | 1.3978 | 1.4065 | 1.2352 | 1.2190 | 1.7974 | 3.0499 | |
| 14 | 1.4121 | 1.4115 | 1.4150 | 1.4030 | 0.9171 | 0.5401 | | |
| | 1.2163 | 1.2220 | 1.2313 | 1.2636 | 1.8419 | 3.0505 | | |
| 15 | 0.7660 | 0.7104 | 0.7359 | 0.6644 | F-DEL-H | | | |
| | 2.1204 | 2.3060 | 2.2416 | 2.5116 | M-DEL-H | | | |

AT 75% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3113 | 1.2399 | 1.2391 | 1.2623 | 1.4792 | 1.4167 | 1.4902 | 0.7042 |
| | 1.6447 | 1.7372 | 1.6719 | 1.6053 | 1.4062 | 1.4491 | 1.3995 | 2.7310 |
| 9 | 1.2399 | 1.4442 | 1.4325 | 1.4384 | 1.3199 | 1.4066 | 1.4770 | 0.6976 |
| | 1.7372 | 1.5333 | 1.4517 | 1.4667 | 1.5291 | 1.4338 | 1.4182 | 2.7660 |
| 10 | 1.2391 | 1.4330 | 1.2190 | 1.1895 | 1.3486 | 1.3532 | 1.4447 | 0.5890 |
| | 1.6719 | 1.4514 | 1.7003 | 1.7371 | 1.5531 | 1.5271 | 1.4589 | 3.3261 |
| 11 | 1.2623 | 1.4389 | 1.1909 | 1.3647 | 1.1194 | 1.2501 | 1.3031 | 0.5420 |
| | 1.6053 | 1.4660 | 1.7355 | 1.5908 | 1.8612 | 1.7382 | 1.6541 | 3.6665 |
| 12 | 1.4792 | 1.3208 | 1.3522 | 1.1210 | 1.1672 | 1.3092 | 0.7959 | |
| | 1.4062 | 1.5280 | 1.5727 | 1.8602 | 1.6317 | 1.5677 | 2.5270 | |
| 13 | 1.4167 | 1.4085 | 1.3609 | 1.2552 | 1.3128 | 0.8711 | 0.4096 | |
| | 1.4491 | 1.4326 | 1.5196 | 1.7334 | 1.5642 | 2.1861 | 4.6448 | |
| 14 | 1.4902 | 1.4779 | 1.4565 | 1.3191 | 0.8021 | 0.4110 | | |
| | 1.3995 | 1.4186 | 1.4480 | 1.6348 | 2.5106 | 4.6324 | | |
| 15 | 0.7042 | 0.6319 | 0.6638 | 0.5585 | F-DEL-H | | | |
| | 2.7310 | 3.0732 | 2.9542 | 3.5578 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 50 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2862 | 1.1618 | 1.1509 | 1.2252 | 1.5033 | 1.3723 | 1.4824 | 0.7072 |
| | 1.6348 | 1.8474 | 1.8297 | 1.6813 | 1.3821 | 1.4943 | 1.4090 | 2.8083 |
| 9 | 1.1618 | 1.4179 | 1.3471 | 1.4596 | 1.2910 | 1.3654 | 1.4679 | 0.7027 |
| | 1.8474 | 1.5629 | 1.5674 | 1.4395 | 1.5999 | 1.5068 | 1.4309 | 2.8381 |
| 10 | 1.1509 | 1.3476 | 1.1319 | 1.1627 | 1.3750 | 1.3357 | 1.4685 | 0.6014 |
| | 1.8297 | 1.5670 | 1.8722 | 1.8073 | 1.5585 | 1.5773 | 1.4465 | 3.3593 |
| 11 | 1.2252 | 1.4603 | 1.1642 | 1.4007 | 1.1235 | 1.3090 | 1.3580 | 0.5552 |
| | 1.6813 | 1.4390 | 1.8054 | 1.5612 | 1.9205 | 1.6985 | 1.6095 | 3.6971 |
| 12 | 1.5033 | 1.2917 | 1.3779 | 1.1252 | 1.1714 | 1.3411 | 0.8202 | |
| | 1.3821 | 1.5992 | 1.5555 | 1.9175 | 1.6979 | 1.5475 | 2.5474 | |
| 13 | 1.3723 | 1.3667 | 1.3429 | 1.3159 | 1.3450 | 0.8628 | 0.4128 | |
| | 1.4943 | 1.5060 | 1.5697 | 1.6905 | 1.5442 | 2.2947 | 4.6837 | |
| 14 | 1.4824 | 1.4693 | 1.4792 | 1.3719 | 0.8258 | 0.4140 | | |
| | 1.4090 | 1.4306 | 1.4377 | 1.5925 | 2.5325 | 4.6728 | | |
| 15 | 0.7072 | 0.6376 | 0.6706 | 0.5695 | F-DEL-H | | | |
| | 2.8083 | 3.1430 | 3.0145 | 3.6036 | M-DEL-H | | | |

AT 75% POWER, 100 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2568 | 1.1108 | 1.0866 | 1.1917 | 1.5055 | 1.3334 | 1.4743 | 0.7115 |
| | 1.6121 | 1.9026 | 1.9317 | 1.7242 | 1.3845 | 1.5328 | 1.4416 | 2.7949 |
| 9 | 1.1108 | 1.3855 | 1.2818 | 1.4654 | 1.2626 | 1.3307 | 1.4689 | 0.7087 |
| | 1.9026 | 1.5928 | 1.6412 | 1.4399 | 1.6326 | 1.5451 | 1.4448 | 2.8178 |
| 10 | 1.0866 | 1.2822 | 1.0703 | 1.1470 | 1.4250 | 1.3204 | 1.4803 | 0.6119 |
| | 1.9317 | 1.6409 | 1.9720 | 1.8309 | 1.5126 | 1.6026 | 1.4581 | 3.3188 |
| 11 | 1.1917 | 1.4660 | 1.1483 | 1.4344 | 1.1347 | 1.3852 | 1.3989 | 0.5684 |
| | 1.7242 | 1.4394 | 1.8292 | 1.5269 | 1.9049 | 1.6084 | 1.5880 | 3.6199 |
| 12 | 1.5055 | 1.2631 | 1.4280 | 1.1373 | 1.1742 | 1.3652 | 0.8420 | |
| | 1.3845 | 1.6320 | 1.5099 | 1.9011 | 1.7131 | 1.5579 | 2.4941 | |
| 13 | 1.3334 | 1.3335 | 1.3262 | 1.3908 | 1.3686 | 0.8579 | 0.4204 | |
| | 1.5328 | 1.5448 | 1.5962 | 1.6025 | 1.5547 | 2.3160 | 4.7290 | |
| 14 | 1.4743 | 1.4684 | 1.4903 | 1.4108 | 0.8469 | 0.4215 | | |
| | 1.4416 | 1.4462 | 1.4506 | 1.5745 | 2.4817 | 4.7195 | | |
| 15 | 0.7115 | 0.6445 | 0.6781 | 0.5814 | F-DEL-H | | | |
| | 2.7949 | 3.1140 | 2.9865 | 3.5378 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 175 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2325 | 1.0663 | 1.0400 | 1.1588 | 1.5074 | 1.2957 | 1.4943 | 0.7233 |
| | 1.5790 | 1.9503 | 2.0105 | 1.7685 | 1.3727 | 1.5690 | 1.3897 | 2.7461 |
| 9 | 1.0663 | 1.3621 | 1.2269 | 1.4761 | 1.2309 | 1.3012 | 1.4915 | 0.7225 |
| | 1.9503 | 1.5905 | 1.7101 | 1.4161 | 1.6677 | 1.5742 | 1.3954 | 2.7608 |
| 10 | 1.0400 | 1.2273 | 1.0254 | 1.1342 | 1.4758 | 1.3030 | 1.4873 | 0.6294 |
| | 2.0105 | 1.7098 | 2.0430 | 1.8492 | 1.4487 | 1.6064 | 1.4279 | 3.2087 |
| 11 | 1.1588 | 1.4764 | 1.1351 | 1.4681 | 1.1435 | 1.4604 | 1.4278 | 0.5877 |
| | 1.7685 | 1.4157 | 1.8478 | 1.4893 | 1.8846 | 1.5257 | 1.5328 | 3.4862 |
| 12 | 1.5074 | 1.2311 | 1.4781 | 1.1451 | 1.1672 | 1.3838 | 0.8642 | |
| | 1.3727 | 1.6674 | 1.4469 | 1.8821 | 1.7226 | 1.5069 | 2.4284 | |
| 13 | 1.2957 | 1.3026 | 1.3083 | 1.4642 | 1.3862 | 0.8516 | 0.4345 | |
| | 1.5690 | 1.5727 | 1.6016 | 1.5220 | 1.5047 | 2.3198 | 4.5797 | |
| 14 | 1.4943 | 1.4896 | 1.4936 | 1.4364 | 0.8676 | 0.4352 | | |
| | 1.3897 | 1.3978 | 1.4217 | 1.5232 | 2.4195 | 4.5732 | | |
| 15 | 0.7233 | 0.6587 | 0.6912 | 0.5990 | F-DEL-H | | | |
| | 2.7461 | 3.0428 | 2.9216 | 3.4182 | M-DEL-H | | | |

AT 75% POWER, 250 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2205 | 1.0446 | 1.0221 | 1.1390 | 1.4952 | 1.2737 | 1.5044 | 0.7399 |
| | 1.5654 | 1.9748 | 2.0185 | 1.8021 | 1.3841 | 1.5947 | 1.3767 | 2.6907 |
| 9 | 1.0446 | 1.3505 | 1.2006 | 1.4712 | 1.2091 | 1.2823 | 1.5025 | 0.7404 |
| | 1.9748 | 1.5902 | 1.7523 | 1.4205 | 1.6972 | 1.5941 | 1.3804 | 2.6986 |
| 10 | 1.0221 | 1.2010 | 1.0092 | 1.1262 | 1.4954 | 1.2940 | 1.4966 | 0.6492 |
| | 2.0185 | 1.7520 | 2.0753 | 1.8611 | 1.4292 | 1.6192 | 1.4043 | 3.1108 |
| 11 | 1.1390 | 1.4713 | 1.1267 | 1.4770 | 1.1412 | 1.4868 | 1.4452 | 0.6075 |
| | 1.8021 | 1.4204 | 1.8603 | 1.4748 | 1.8784 | 1.4649 | 1.5019 | 3.3619 |
| 12 | 1.4952 | 1.2091 | 1.4964 | 1.1419 | 1.1508 | 1.3902 | 0.8778 | |
| | 1.3840 | 1.6971 | 1.4282 | 1.8770 | 1.7307 | 1.4865 | 2.3815 | |
| 13 | 1.2737 | 1.2826 | 1.2973 | 1.4888 | 1.3915 | 0.8478 | 0.4508 | |
| | 1.5947 | 1.5935 | 1.6160 | 1.4629 | 1.4852 | 2.3103 | 4.3035 | |
| 14 | 1.5044 | 1.5000 | 1.5010 | 1.4511 | 0.8799 | 0.4512 | | |
| | 1.3767 | 1.3831 | 1.3999 | 1.4946 | 2.3755 | 4.2998 | | |
| 15 | 0.7399 | 0.6766 | 0.7070 | 0.6173 | F-DEL-H | | | |
| | 2.6907 | 2.9668 | 2.8546 | 3.3055 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 75% POWER, 350 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2025 | 1.0293 | 1.0182 | 1.1253 | 1.4741 | 1.2585 | 1.5040 | 0.7673 |
| | 1.5341 | 1.9398 | 2.0295 | 1.7986 | 1.3869 | 1.5850 | 1.3817 | 2.5605 |
| 9 | 1.0293 | 1.3423 | 1.1871 | 1.4552 | 1.1903 | 1.2658 | 1.5020 | 0.7684 |
| | 1.9398 | 1.5631 | 1.7434 | 1.4182 | 1.6972 | 1.5847 | 1.3836 | 2.5601 |
| 10 | 1.0182 | 1.1874 | 1.0078 | 1.1168 | 1.4823 | 1.2768 | 1.4911 | 0.6787 |
| | 2.0295 | 1.7432 | 2.0437 | 1.8448 | 1.4387 | 1.6115 | 1.4058 | 2.9265 |
| 11 | 1.1253 | 1.4551 | 1.1169 | 1.4617 | 1.1274 | 1.4793 | 1.4455 | 0.6349 |
| | 1.7986 | 1.4182 | 1.8445 | 1.4824 | 1.8477 | 1.4658 | 1.4880 | 3.1412 |
| 12 | 1.4741 | 1.1901 | 1.4823 | 1.1274 | 1.1203 | 1.3710 | 0.8886 | |
| | 1.3869 | 1.6973 | 1.4385 | 1.8473 | 1.7054 | 1.4855 | 2.2844 | |
| 13 | 1.2585 | 1.2653 | 1.2783 | 1.4808 | 1.3712 | 0.8433 | 0.4746 | |
| | 1.5850 | 1.5851 | 1.6097 | 1.4651 | 1.4851 | 2.2272 | 4.0592 | |
| 14 | 1.5040 | 1.4991 | 1.4932 | 1.4486 | 0.8896 | 0.4747 | | |
| | 1.3817 | 1.3864 | 1.4033 | 1.4835 | 2.2811 | 4.0582 | | |
| 15 | 0.7673 | 0.7049 | 0.7310 | 0.6433 | F-DEL-H | | | |
| | 2.5605 | 2.8005 | 2.7100 | 3.0964 | M-DEL-H | | | |

AT 75% POWER, 465 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1770 | 1.0225 | 1.0254 | 1.1184 | 1.4477 | 1.2456 | 1.4897 | 0.7985 |
| | 1.5414 | 1.9436 | 2.0321 | 1.8237 | 1.4173 | 1.6129 | 1.3759 | 2.4858 |
| 9 | 1.0225 | 1.3325 | 1.1835 | 1.4331 | 1.1772 | 1.2510 | 1.4869 | 0.8004 |
| | 1.9436 | 1.5725 | 1.7602 | 1.4446 | 1.7269 | 1.6107 | 1.3760 | 2.4815 |
| 10 | 1.0254 | 1.1838 | 1.0156 | 1.1086 | 1.4478 | 1.2539 | 1.4712 | 0.7134 |
| | 2.0321 | 1.7599 | 2.0412 | 1.8651 | 1.4403 | 1.6325 | 1.4031 | 2.8007 |
| 11 | 1.1184 | 1.4329 | 1.1085 | 1.4320 | 1.1093 | 1.4465 | 1.4248 | 0.6659 |
| | 1.8237 | 1.4447 | 1.8651 | 1.4751 | 1.8666 | 1.4608 | 1.4735 | 2.9948 |
| 12 | 1.4477 | 1.1769 | 1.4473 | 1.1090 | 1.0840 | 1.3321 | 0.8974 | |
| | 1.4173 | 1.7272 | 1.4405 | 1.8669 | 1.7220 | 1.4706 | 2.2481 | |
| 13 | 1.2456 | 1.2502 | 1.2544 | 1.4466 | 1.3317 | 0.8398 | 0.5037 | |
| | 1.6129 | 1.6116 | 1.6317 | 1.4609 | 1.4708 | 2.1974 | 3.8072 | |
| 14 | 1.4897 | 1.4841 | 1.4718 | 1.4260 | 0.8977 | 0.5036 | | |
| | 1.3759 | 1.3788 | 1.4017 | 1.4708 | 2.2467 | 3.8078 | | |
| 15 | 0.7985 | 0.7394 | 0.7593 | 0.6737 | F-DEL-H | | | |
| | 2.4858 | 2.6938 | 2.6252 | 2.9566 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2545 | 1.2281 | 1.2492 | 1.2848 | 1.5233 | 1.4703 | 1.5464 | 0.7205 |
| | 1.4448 | 1.7127 | 1.6326 | 1.5597 | 1.3417 | 1.3606 | 1.3342 | 2.6826 |
| 9 | 1.2281 | 1.4507 | 1.4529 | 1.4612 | 1.3526 | 1.4560 | 1.5302 | 0.7132 |
| | 1.7127 | 1.4835 | 1.4120 | 1.4122 | 1.4774 | 1.3765 | 1.3544 | 2.7208 |
| 10 | 1.2492 | 1.4535 | 1.2267 | 1.1968 | 1.3725 | 1.3854 | 1.4821 | 0.5970 |
| | 1.6326 | 1.4118 | 1.6639 | 1.7058 | 1.5259 | 1.4823 | 1.4168 | 3.2963 |
| 11 | 1.2848 | 1.4618 | 1.1983 | 1.3596 | 1.0979 | 1.2440 | 1.3131 | 0.5408 |
| | 1.5597 | 1.4116 | 1.7041 | 1.5499 | 1.8125 | 1.6917 | 1.6316 | 3.6884 |
| 12 | 1.5233 | 1.3539 | 1.3766 | 1.1000 | 1.0975 | 1.2396 | 0.7718 | |
| | 1.3417 | 1.4763 | 1.5221 | 1.8114 | 1.5692 | 1.4969 | 2.4710 | |
| 13 | 1.4703 | 1.4582 | 1.3939 | 1.2559 | 1.2441 | 0.8050 | 0.3834 | |
| | 1.3606 | 1.3753 | 1.4744 | 1.6863 | 1.4936 | 2.1193 | 4.5271 | |
| 14 | 1.5464 | 1.5312 | 1.4951 | 1.3301 | 0.7785 | 0.3848 | | |
| | 1.3342 | 1.3552 | 1.4063 | 1.6141 | 2.4542 | 4.5151 | | |
| 15 | 0.7205 | 0.6455 | 0.6733 | 0.5582 | F-DEL-H | | | |
| | 2.6826 | 3.0290 | 2.9259 | 3.5725 | M-DEL-H | | | |

AT 50% POWER, 50 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2193 | 1.1401 | 1.1521 | 1.2432 | 1.5457 | 1.4217 | 1.5375 | 0.7239 |
| | 1.6343 | 1.8000 | 1.8344 | 1.7075 | 1.3899 | 1.4839 | 1.4077 | 2.7921 |
| 9 | 1.1401 | 1.4144 | 1.3575 | 1.4840 | 1.3161 | 1.4114 | 1.5182 | 0.7188 |
| | 1.8000 | 1.5709 | 1.5956 | 1.4628 | 1.6189 | 1.5014 | 1.4338 | 2.8249 |
| 10 | 1.1521 | 1.3581 | 1.1312 | 1.1683 | 1.3930 | 1.3669 | 1.5086 | 0.6104 |
| | 1.8344 | 1.5952 | 1.8727 | 1.8137 | 1.5942 | 1.5954 | 1.4656 | 3.3840 |
| 11 | 1.2432 | 1.4848 | 1.1699 | 1.3910 | 1.1067 | 1.3100 | 1.3682 | 0.5555 |
| | 1.7075 | 1.4621 | 1.8117 | 1.5490 | 1.8576 | 1.6678 | 1.6133 | 3.7772 |
| 12 | 1.5457 | 1.3169 | 1.3963 | 1.1097 | 1.1105 | 1.2827 | 0.8008 | |
| | 1.3899 | 1.6181 | 1.5905 | 1.8530 | 1.6559 | 1.5220 | 2.4635 | |
| 13 | 1.4217 | 1.4129 | 1.3749 | 1.3204 | 1.2871 | 0.8046 | 0.3895 | |
| | 1.4839 | 1.5005 | 1.5871 | 1.6598 | 1.5187 | 2.2012 | 4.6293 | |
| 14 | 1.5375 | 1.5196 | 1.5198 | 1.3835 | 0.8069 | 0.3908 | | |
| | 1.4077 | 1.4340 | 1.4562 | 1.5977 | 2.4483 | 4.6178 | | |
| 15 | 0.7239 | 0.6516 | 0.6811 | 0.5708 | F-DEL-H | | | |
| | 2.7921 | 3.1413 | 3.0327 | 3.6753 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 100 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1731 | 1.0725 | 1.0856 | 1.2107 | 1.5505 | 1.3843 | 1.5349 | 0.7313 |
| | 1.6089 | 1.9034 | 1.9297 | 1.7052 | 1.3467 | 1.4811 | 1.3724 | 2.7614 |
| 9 | 1.0725 | 1.3739 | 1.2878 | 1.4911 | 1.2886 | 1.3771 | 1.5263 | 0.7280 |
| | 1.9034 | 1.5912 | 1.6338 | 1.4158 | 1.6084 | 1.4953 | 1.3833 | 2.7857 |
| 10 | 1.0856 | 1.2883 | 1.0656 | 1.1534 | 1.4481 | 1.3541 | 1.5231 | 0.6235 |
| | 1.9297 | 1.6334 | 1.9683 | 1.8248 | 1.4872 | 1.5628 | 1.4115 | 3.3005 |
| 11 | 1.2107 | 1.4918 | 1.1548 | 1.4242 | 1.1217 | 1.3899 | 1.4142 | 0.5707 |
| | 1.7052 | 1.4151 | 1.8229 | 1.5103 | 1.8761 | 1.5723 | 1.5641 | 3.6651 |
| 12 | 1.5505 | 1.2892 | 1.4516 | 1.1247 | 1.1094 | 1.3061 | 0.8238 | |
| | 1.3467 | 1.6078 | 1.4842 | 1.8720 | 1.6692 | 1.4998 | 2.4654 | |
| 13 | 1.3843 | 1.3781 | 1.3607 | 1.3997 | 1.3108 | 0.7960 | 0.3962 | |
| | 1.4811 | 1.4948 | 1.5558 | 1.5662 | 1.4964 | 2.2316 | 4.5966 | |
| 14 | 1.5349 | 1.5257 | 1.5328 | 1.4276 | 0.8292 | 0.3974 | | |
| | 1.3724 | 1.3849 | 1.4038 | 1.5509 | 2.4520 | 4.5866 | | |
| 15 | 0.7313 | 0.6614 | 0.6914 | 0.5846 | F-DEL-H | | | |
| | 2.7614 | 3.0832 | 2.9793 | 3.5763 | M-DEL-H | | | |

AT 50% POWER, 175 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1120 | 1.0091 | 1.0470 | 1.1883 | 1.5689 | 1.3559 | 1.5532 | 0.7472 |
| | 1.5788 | 1.9177 | 1.9692 | 1.7430 | 1.3363 | 1.5147 | 1.3423 | 2.6972 |
| 9 | 1.0091 | 1.3411 | 1.2358 | 1.5169 | 1.2688 | 1.3566 | 1.5645 | 0.7480 |
| | 1.9177 | 1.5945 | 1.6741 | 1.3914 | 1.6357 | 1.5256 | 1.3488 | 2.7199 |
| 10 | 1.0470 | 1.2362 | 1.0227 | 1.1465 | 1.5101 | 1.3467 | 1.5457 | 0.6486 |
| | 1.9692 | 1.6738 | 1.9981 | 1.8311 | 1.4186 | 1.5617 | 1.3827 | 3.1838 |
| 11 | 1.1883 | 1.5173 | 1.1475 | 1.4586 | 1.1298 | 1.4695 | 1.4510 | 0.5955 |
| | 1.7430 | 1.3910 | 1.8295 | 1.4660 | 1.8490 | 1.4726 | 1.4938 | 3.4602 |
| 12 | 1.5689 | 1.2691 | 1.5123 | 1.1318 | 1.0739 | 1.3046 | 0.8429 | |
| | 1.3363 | 1.6352 | 1.4163 | 1.8459 | 1.6705 | 1.4647 | 2.3865 | |
| 13 | 1.3559 | 1.3583 | 1.3511 | 1.4768 | 1.3079 | 0.7651 | 0.4037 | |
| | 1.5147 | 1.5250 | 1.5563 | 1.4684 | 1.4622 | 2.2171 | 4.4198 | |
| 14 | 1.5532 | 1.5625 | 1.5537 | 1.4610 | 0.8469 | 0.4045 | | |
| | 1.3423 | 1.3513 | 1.3756 | 1.4820 | 2.3767 | 4.4128 | | |
| 15 | 0.7472 | 0.6814 | 0.7127 | 0.6079 | F-DEL-H | | | |
| | 2.6972 | 3.0024 | 2.8973 | 3.3856 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 250 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0798 | 0.9806 | 1.0289 | 1.1728 | 1.5609 | 1.3240 | 1.5248 | 0.7526 |
| | 1.5469 | 1.9394 | 2.0016 | 1.7388 | 1.3443 | 1.5025 | 1.3252 | 2.5765 |
| 9 | 0.9806 | 1.3219 | 1.2073 | 1.5184 | 1.2519 | 1.3398 | 1.5727 | 0.7593 |
| | 1.9394 | 1.5676 | 1.7061 | 1.3952 | 1.6301 | 1.5088 | 1.3295 | 2.5860 |
| 10 | 1.0289 | 1.2076 | 1.0020 | 1.1416 | 1.5327 | 1.3365 | 1.5655 | 0.6710 |
| | 2.0016 | 1.7058 | 2.0166 | 1.8057 | 1.3793 | 1.5447 | 1.3594 | 3.0114 |
| 11 | 1.1728 | 1.5185 | 1.1422 | 1.4705 | 1.1331 | 1.5104 | 1.4775 | 0.6207 |
| | 1.7388 | 1.3949 | 1.8047 | 1.4495 | 1.8002 | 1.3824 | 1.4086 | 3.2374 |
| 12 | 1.5609 | 1.2519 | 1.5338 | 1.1345 | 1.0538 | 1.3060 | 0.8623 | |
| | 1.3443 | 1.6298 | 1.3772 | 1.7983 | 1.6381 | 1.4419 | 2.2822 | |
| 13 | 1.3240 | 1.3405 | 1.3392 | 1.5152 | 1.3078 | 0.7579 | 0.4206 | |
| | 1.5025 | 1.5082 | 1.5411 | 1.3761 | 1.4404 | 2.1960 | 4.2349 | |
| 14 | 1.5248 | 1.5729 | 1.5709 | 1.4847 | 0.8650 | 0.4212 | | |
| | 1.3252 | 1.3323 | 1.3544 | 1.3994 | 2.2754 | 4.2305 | | |
| 15 | 0.7526 | 0.6931 | 0.7314 | 0.6317 | F-DEL-H | | | |
| | 2.5765 | 2.8538 | 2.7571 | 3.1751 | M-DEL-H | | | |

AT 50% POWER, 350 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0528 | 0.9681 | 1.0241 | 1.1607 | 1.5393 | 1.2899 | 1.4667 | 0.7657 |
| | 1.4239 | 1.9469 | 2.0147 | 1.7578 | 1.3333 | 1.5129 | 1.2950 | 2.4771 |
| 9 | 0.9681 | 1.3056 | 1.1902 | 1.5045 | 1.2346 | 1.3203 | 1.5682 | 0.7801 |
| | 1.9469 | 1.5646 | 1.7264 | 1.3806 | 1.6486 | 1.5156 | 1.2972 | 2.4816 |
| 10 | 1.0241 | 1.1905 | 0.9902 | 1.1339 | 1.5270 | 1.3246 | 1.5652 | 0.7009 |
| | 2.0147 | 1.7262 | 2.0143 | 1.8078 | 1.3496 | 1.5213 | 1.3293 | 2.8592 |
| 11 | 1.1607 | 1.5044 | 1.1341 | 1.4609 | 1.1320 | 1.5189 | 1.4922 | 0.6538 |
| | 1.7578 | 1.3806 | 1.8074 | 1.4165 | 1.7817 | 1.3314 | 1.3572 | 2.9880 |
| 12 | 1.5393 | 1.2345 | 1.5270 | 1.1324 | 1.0297 | 1.3065 | 0.8831 | |
| | 1.3333 | 1.6486 | 1.3485 | 1.7795 | 1.5585 | 1.4038 | 2.2214 | |
| 13 | 1.2899 | 1.3201 | 1.3268 | 1.5211 | 1.3075 | 0.7592 | 0.4484 | |
| | 1.5129 | 1.5159 | 1.5165 | 1.3276 | 1.4031 | 2.1621 | 3.9888 | |
| 14 | 1.4667 | 1.5672 | 1.5682 | 1.4964 | 0.8846 | 0.4486 | | |
| | 1.2950 | 1.3001 | 1.3263 | 1.3509 | 2.2146 | 3.9870 | | |
| 15 | 0.7657 | 0.7140 | 0.7558 | 0.6634 | F-DEL-H | | | |
| | 2.4771 | 2.7283 | 2.6440 | 2.9384 | M-DEL-H | | | |

TABLE A-3 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - NORMAL OPERATION

AT 50% POWER, 465 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0152 | 0.9641 | 1.0325 | 1.1589 | 1.5184 | 1.2557 | 1.4062 | 0.7766 |
| | 1.3351 | 1.9317 | 2.0147 | 1.7838 | 1.3641 | 1.5390 | 1.3081 | 2.4004 |
| 9 | 0.9641 | 1.2867 | 1.1849 | 1.4874 | 1.2265 | 1.3032 | 1.5460 | 0.8065 |
| | 1.9318 | 1.5043 | 1.7406 | 1.4061 | 1.6781 | 1.5400 | 1.3087 | 2.4004 |
| 10 | 1.0325 | 1.1851 | 0.9832 | 1.1288 | 1.5068 | 1.3127 | 1.5515 | 0.7368 |
| | 2.0147 | 1.7400 | 2.0180 | 1.8279 | 1.3652 | 1.5331 | 1.3393 | 2.7323 |
| 11 | 1.1589 | 1.4873 | 1.1288 | 1.4356 | 1.1272 | 1.5028 | 1.4893 | 0.6935 |
| | 1.7838 | 1.4062 | 1.8278 | 1.4361 | 1.7826 | 1.3298 | 1.3482 | 2.8244 |
| 12 | 1.5184 | 1.2263 | 1.5064 | 1.1272 | 0.9959 | 1.2923 | 0.9044 | |
| | 1.3641 | 1.6782 | 1.3648 | 1.7817 | 1.5018 | 1.4145 | 2.1503 | |
| 13 | 1.2557 | 1.3027 | 1.3139 | 1.5036 | 1.2925 | 0.7600 | 0.4833 | |
| | 1.5390 | 1.5409 | 1.5301 | 1.3277 | 1.4146 | 2.1369 | 3.7502 | |
| 14 | 1.4062 | 1.5447 | 1.5530 | 1.4915 | 0.9052 | 0.4833 | | |
| | 1.3081 | 1.3116 | 1.3378 | 1.3440 | 2.1462 | 3.7502 | | |
| 15 | 0.7766 | 0.7473 | 0.7854 | 0.7028 | F-DEL-H | | | |
| | 2.4004 | 2.6206 | 2.5546 | 2.7827 | M-DEL-H | | | |

```
* JOB/DATE  STNR/27Oct2021  CREATED BY  SMARG12   COMPILED 13Mar2020    COLR FILE
/nfe/mcd/clk/c1c27/rd/ma/pflr/pflrpe_ghost.clr
                          TABLE A-4

    F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION


                AT 100% POWER,    4 EFPD,  THIS IS LEVEL 24 OF 24
                  (LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

       H        G        F        E        D        C        B        A
   ************************************************************************
  8 * 0.5374 * 0.5384 * 0.5298 * 0.5624 * 0.6384 * 0.5499 * 0.5400 * 0.3005 *
    * 3.0319 * 3.4903 * 3.6618 * 3.3594 * 2.9429 * 3.3997 * 3.4310 * 5.5938 *
   ************************************************************************
  9 * 0.5384 * 0.6233 * 0.5610 * 0.6329 * 0.5753 * 0.5357 * 0.5363 * 0.2998 *
    * 3.4903 * 3.1304 * 3.4424 * 3.0042 * 3.2795 * 3.5034 * 3.4703 * 5.6092 *
   ************************************************************************
 10 * 0.5298 * 0.5611 * 0.5206 * 0.5457 * 0.6181 * 0.5308 * 0.5143 * 0.2673 *
    * 3.6618 * 3.4414 * 3.7408 * 3.5352 * 3.1391 * 3.6425 * 3.7072 * 6.4564 *
   ************************************************************************
 11 * 0.5624 * 0.6331 * 0.5461 * 0.5911 * 0.5259 * 0.5605 * 0.4828 * 0.2390 *
    * 3.3594 * 3.0032 * 3.5323 * 3.2815 * 3.6825 * 3.4185 * 4.0219 * 7.3610 *
   ************************************************************************
 12 * 0.6384 * 0.5755 * 0.6187 * 0.5263 * 0.4668 * 0.4752 * 0.3470 *
    * 2.9429 * 3.2784 * 3.1358 * 3.6790 * 3.7983 * 3.7702 * 4.9818 *
   ********************************************************************
 13 * 0.5499 * 0.5360 * 0.5319 * 0.5622 * 0.4763 * 0.3446 * 0.1890 *
    * 3.3997 * 3.5014 * 3.6348 * 3.4095 * 3.7631 * 4.6660 * 8.8115 *
   ****************************************************************
 14 * 0.5400 * 0.5358 * 0.5166 * 0.4859 * 0.3489 * 0.1894 *
    * 3.4310 * 3.4735 * 3.6891 * 3.9972 * 4.9562 * 8.7923 *
   ************************************************
 15 * 0.3005 * 0.2815 * 0.2824 * 0.2447 * F-SUB-Q
    * 5.5938 * 6.0125 * 6.0207 * 7.1888 * M-SUB-Q
   ************************************


                AT 100% POWER,    4 EFPD,  THIS IS LEVEL 23 OF 24
                  (LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

       H        G        F        E        D        C        B        A
   ************************************************************************
  8 * 1.3783 * 1.1636 * 1.1158 * 1.1701 * 1.4597 * 1.2334 * 1.3284 * 0.6794 *
    * 1.3599 * 1.6728 * 1.7732 * 1.6485 * 1.3151 * 1.5475 * 1.4243 * 2.5296 *
   ************************************************************************
  9 * 1.1636 * 1.4370 * 1.2719 * 1.4513 * 1.2228 * 1.2119 * 1.3204 * 0.6766 *
    * 1.6728 * 1.3790 * 1.5475 * 1.3340 * 1.5745 * 1.5821 * 1.4392 * 2.5446 *
   ************************************************************************
 10 * 1.1158 * 1.2720 * 1.0994 * 1.1339 * 1.4130 * 1.1959 * 1.2743 * 0.5664 *
    * 1.7732 * 1.5473 * 1.8049 * 1.7365 * 1.3981 * 1.6506 * 1.5258 * 3.1129 *
   ************************************************************************
 11 * 1.1701 * 1.4516 * 1.1346 * 1.4058 * 1.0947 * 1.3086 * 1.1862 * 0.5320 *
    * 1.6485 * 1.3337 * 1.7353 * 1.4022 * 1.7910 * 1.4890 * 1.6491 * 3.3746 *
   ************************************************************************
 12 * 1.4597 * 1.2231 * 1.4142 * 1.0957 * 1.1025 * 1.2139 * 0.7940 *
    * 1.3151 * 1.5740 * 1.3968 * 1.7895 * 1.6789 * 1.5425 * 2.2181 *
   ********************************************************************
 13 * 1.2334 * 1.2125 * 1.1981 * 1.3123 * 1.2163 * 0.8391 * 0.4202 *
    * 1.5475 * 1.5813 * 1.6473 * 1.4853 * 1.5399 * 2.0197 * 4.0544 *
   ****************************************************************
 14 * 1.3284 * 1.3188 * 1.2806 * 1.1947 * 0.7981 * 0.4212 *
    * 1.4243 * 1.4410 * 1.5181 * 1.6379 * 2.2072 * 4.0460 *
   ************************************************
 15 * 0.6794 * 0.6062 * 0.6370 * 0.5434 * F-SUB-Q
    * 2.5296 * 2.8545 * 2.7267 * 3.3043 * M-SUB-Q
   ************************************
```

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4188 | 1.3588 | 1.3358 | 1.3519 | 1.4812 | 1.4454 | 1.4435 | 0.7859 |
| | 1.4127 | 1.4831 | 1.5060 | 1.4472 | 1.3093 | 1.3380 | 1.3298 | 2.2163 |
| 9 | 1.3588 | 1.4814 | 1.4898 | 1.4651 | 1.4019 | 1.4337 | 1.4360 | 0.7781 |
| | 1.4831 | 1.3733 | 1.3422 | 1.3403 | 1.3932 | 1.3539 | 1.3417 | 2.2393 |
| 10 | 1.3358 | 1.4898 | 1.3194 | 1.2980 | 1.3977 | 1.3866 | 1.4029 | 0.6604 |
| | 1.5060 | 1.3421 | 1.5251 | 1.5410 | 1.4254 | 1.4373 | 1.4013 | 2.7064 |
| 11 | 1.3519 | 1.4654 | 1.2988 | 1.4320 | 1.2522 | 1.3090 | 1.3057 | 0.6192 |
| | 1.4472 | 1.3400 | 1.5402 | 1.3997 | 1.5861 | 1.5199 | 1.5200 | 2.9397 |
| 12 | 1.4812 | 1.4024 | 1.3986 | 1.2532 | 1.3329 | 1.3723 | 0.9082 | |
| | 1.3093 | 1.3927 | 1.4243 | 1.5854 | 1.4431 | 1.4016 | 1.9725 | |
| 13 | 1.4454 | 1.4345 | 1.3895 | 1.3121 | 1.3745 | 1.0096 | 0.5055 | |
| | 1.3380 | 1.3533 | 1.4332 | 1.5164 | 1.3996 | 1.7412 | 3.4411 | |
| 14 | 1.4435 | 1.4351 | 1.4109 | 1.3161 | 0.9132 | 0.5067 | | |
| | 1.3298 | 1.3425 | 1.3960 | 1.5084 | 1.9621 | 3.4338 | | |
| 15 | 0.7859 | 0.7054 | 0.7385 | 0.6347 | F-SUB-Q | | | |
| | 2.2163 | 2.4868 | 2.3845 | 2.8678 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5476 | 1.4688 | 1.4519 | 1.4481 | 1.6091 | 1.5679 | 1.5931 | 0.8215 |
| | 1.3279 | 1.4103 | 1.4077 | 1.3714 | 1.2217 | 1.2504 | 1.2210 | 2.1503 |
| 9 | 1.4688 | 1.6190 | 1.6271 | 1.5952 | 1.5017 | 1.5580 | 1.5850 | 0.8117 |
| | 1.4103 | 1.2804 | 1.2478 | 1.2490 | 1.3177 | 1.2627 | 1.2319 | 2.1801 |
| 10 | 1.4519 | 1.6272 | 1.4338 | 1.3947 | 1.5100 | 1.4997 | 1.5471 | 0.6870 |
| | 1.4077 | 1.2478 | 1.4239 | 1.4571 | 1.3372 | 1.3379 | 1.2887 | 2.6382 |
| 11 | 1.4481 | 1.5955 | 1.3955 | 1.5592 | 1.3319 | 1.4141 | 1.4265 | 0.6466 |
| | 1.3714 | 1.2487 | 1.4561 | 1.3126 | 1.5064 | 1.4192 | 1.4146 | 2.8536 |
| 12 | 1.6091 | 1.5022 | 1.5111 | 1.3331 | 1.4547 | 1.5168 | 0.9493 | |
| | 1.2217 | 1.3170 | 1.3350 | 1.5057 | 1.3500 | 1.2956 | 1.9226 | |
| 13 | 1.5679 | 1.5589 | 1.5049 | 1.4177 | 1.5193 | 1.0840 | 0.5309 | |
| | 1.2504 | 1.2620 | 1.3330 | 1.4168 | 1.2936 | 1.6598 | 3.3459 | |
| 14 | 1.5931 | 1.5842 | 1.5553 | 1.4390 | 0.9548 | 0.5321 | | |
| | 1.2210 | 1.2325 | 1.2821 | 1.4029 | 1.9119 | 3.3385 | | |
| 15 | 0.8215 | 0.7299 | 0.7709 | 0.6635 | F-SUB-Q | | | |
| | 2.1503 | 2.4370 | 2.3159 | 2.7802 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6078 | 1.5113 | 1.4940 | 1.4889 | 1.6752 | 1.6163 | 1.6646 | 0.8413 |
| | 1.3070 | 1.3996 | 1.3910 | 1.3563 | 1.1923 | 1.2321 | 1.1865 | 2.1336 |
| 9 | 1.5113 | 1.6881 | 1.6828 | 1.6597 | 1.5440 | 1.6037 | 1.6557 | 0.8320 |
| | 1.3996 | 1.2528 | 1.2259 | 1.2235 | 1.3022 | 1.2433 | 1.1971 | 2.1587 |
| 10 | 1.4940 | 1.6829 | 1.4738 | 1.4304 | 1.5623 | 1.5509 | 1.6173 | 0.7065 |
| | 1.3910 | 1.2258 | 1.4077 | 1.4429 | 1.3113 | 1.3125 | 1.2501 | 2.6049 |
| 11 | 1.4889 | 1.6600 | 1.4315 | 1.6145 | 1.3640 | 1.4655 | 1.4903 | 0.6632 |
| | 1.3563 | 1.2232 | 1.4419 | 1.2923 | 1.4996 | 1.3925 | 1.3790 | 2.8218 |
| 12 | 1.6752 | 1.5446 | 1.5636 | 1.3653 | 1.5037 | 1.5845 | 0.9799 | |
| | 1.1923 | 1.3014 | 1.3089 | 1.4988 | 1.3341 | 1.2664 | 1.9014 | |
| 13 | 1.6163 | 1.6048 | 1.5567 | 1.4695 | 1.5873 | 1.1201 | 0.5422 | |
| | 1.2321 | 1.2427 | 1.3073 | 1.3900 | 1.2643 | 1.6423 | 3.3501 | |
| 14 | 1.6646 | 1.6552 | 1.6269 | 1.5039 | 0.9858 | 0.5436 | | |
| | 1.1865 | 1.1975 | 1.2430 | 1.3669 | 1.8903 | 3.3424 | | |
| 15 | 0.8413 | 0.7510 | 0.7917 | 0.6810 | F-SUB-Q | | | |
| | 2.1336 | 2.4068 | 2.2897 | 2.7474 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6341 | 1.5286 | 1.5111 | 1.5070 | 1.7066 | 1.6378 | 1.7003 | 0.8538 |
| | 1.3112 | 1.4077 | 1.4006 | 1.3661 | 1.1926 | 1.2340 | 1.1825 | 2.1416 |
| 9 | 1.5286 | 1.7188 | 1.7073 | 1.6885 | 1.5635 | 1.6264 | 1.6909 | 0.8455 |
| | 1.4077 | 1.2464 | 1.2299 | 1.2268 | 1.3104 | 1.2445 | 1.1930 | 2.1630 |
| 10 | 1.5111 | 1.7075 | 1.4885 | 1.4449 | 1.5854 | 1.5767 | 1.6543 | 0.7208 |
| | 1.4006 | 1.2299 | 1.4189 | 1.4532 | 1.3134 | 1.3115 | 1.2415 | 2.5974 |
| 11 | 1.5070 | 1.6889 | 1.4459 | 1.6378 | 1.3786 | 1.4902 | 1.5242 | 0.6746 |
| | 1.3661 | 1.2265 | 1.4521 | 1.2943 | 1.5111 | 1.3946 | 1.3667 | 2.8062 |
| 12 | 1.7066 | 1.5642 | 1.5869 | 1.3800 | 1.5270 | 1.6179 | 0.9999 | |
| | 1.1926 | 1.3096 | 1.3109 | 1.5103 | 1.3412 | 1.2665 | 1.8984 | |
| 13 | 1.6378 | 1.6274 | 1.5831 | 1.4946 | 1.6209 | 1.1405 | 0.5487 | |
| | 1.2340 | 1.2437 | 1.3060 | 1.3918 | 1.2643 | 1.6506 | 3.3856 | |
| 14 | 1.7003 | 1.6907 | 1.6649 | 1.5386 | 1.0060 | 0.5501 | | |
| | 1.1825 | 1.1932 | 1.2340 | 1.3543 | 1.8868 | 3.3774 | | |
| 15 | 0.8538 | 0.7664 | 0.8062 | 0.6929 | F-SUB-Q | | | |
| | 2.1416 | 2.4022 | 2.2870 | 2.7333 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6654 | 1.5478 | 1.5304 | 1.5273 | 1.7413 | 1.6656 | 1.7420 | 0.8591 |
| | 1.3011 | 1.4034 | 1.4106 | 1.3776 | 1.1941 | 1.2360 | 1.1784 | 2.1741 |
| 9 | 1.5478 | 1.7513 | 1.7353 | 1.7203 | 1.5862 | 1.6578 | 1.7324 | 0.8504 |
| | 1.4034 | 1.2379 | 1.2343 | 1.2287 | 1.3191 | 1.2460 | 1.1884 | 2.1967 |
| 10 | 1.5304 | 1.7356 | 1.5061 | 1.4617 | 1.6155 | 1.6074 | 1.6961 | 0.7228 |
| | 1.4106 | 1.2341 | 1.4296 | 1.4646 | 1.3110 | 1.3087 | 1.2320 | 2.6394 |
| 11 | 1.5273 | 1.7207 | 1.4629 | 1.6682 | 1.3967 | 1.5217 | 1.5621 | 0.6773 |
| | 1.3776 | 1.2283 | 1.4633 | 1.2858 | 1.5200 | 1.3913 | 1.3475 | 2.8282 |
| 12 | 1.7413 | 1.5870 | 1.6181 | 1.3976 | 1.5547 | 1.6557 | 1.0070 | |
| | 1.1941 | 1.3182 | 1.3084 | 1.5191 | 1.3432 | 1.2618 | 1.9210 | |
| 13 | 1.6656 | 1.6590 | 1.6143 | 1.5264 | 1.6589 | 1.1496 | 0.5482 | |
| | 1.2360 | 1.2450 | 1.3029 | 1.3885 | 1.2595 | 1.6702 | 3.4565 | |
| 14 | 1.7420 | 1.7324 | 1.7078 | 1.5773 | 1.0134 | 0.5496 | | |
| | 1.1784 | 1.1884 | 1.2241 | 1.3348 | 1.9088 | 3.4479 | | |
| 15 | 0.8591 | 0.7693 | 0.8109 | 0.6960 | F-SUB-Q | | | |
| | 2.1741 | 2.4441 | 2.3169 | 2.7543 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6788 | 1.5551 | 1.5381 | 1.5362 | 1.7589 | 1.6836 | 1.7656 | 0.8618 |
| | 1.3164 | 1.4260 | 1.4337 | 1.4040 | 1.2116 | 1.2526 | 1.1910 | 2.2201 |
| 9 | 1.5551 | 1.7661 | 1.7487 | 1.7351 | 1.5968 | 1.6755 | 1.7557 | 0.8535 |
| | 1.4260 | 1.2534 | 1.2518 | 1.2473 | 1.3420 | 1.2618 | 1.2004 | 2.2419 |
| 10 | 1.5381 | 1.7491 | 1.5125 | 1.4682 | 1.6304 | 1.6248 | 1.7204 | 0.7250 |
| | 1.4337 | 1.2517 | 1.4521 | 1.4886 | 1.3245 | 1.3191 | 1.2382 | 2.6875 |
| 11 | 1.5362 | 1.7356 | 1.4695 | 1.6816 | 1.4045 | 1.5373 | 1.5835 | 0.6793 |
| | 1.4039 | 1.2469 | 1.4872 | 1.2991 | 1.5348 | 1.3974 | 1.3520 | 2.8608 |
| 12 | 1.7589 | 1.5976 | 1.6338 | 1.4054 | 1.5697 | 1.6765 | 1.0122 | |
| | 1.2116 | 1.3411 | 1.3217 | 1.5339 | 1.3540 | 1.2678 | 1.9377 | |
| 13 | 1.6836 | 1.6770 | 1.6321 | 1.5423 | 1.6799 | 1.1555 | 0.5474 | |
| | 1.2526 | 1.2607 | 1.3131 | 1.3944 | 1.2653 | 1.6941 | 3.5182 | |
| 14 | 1.7656 | 1.7559 | 1.7330 | 1.5994 | 1.0187 | 0.5489 | | |
| | 1.1910 | 1.2003 | 1.2300 | 1.3389 | 1.9253 | 3.5091 | | |
| 15 | 0.8618 | 0.7720 | 0.8145 | 0.6982 | F-SUB-Q | | | |
| | 2.2201 | 2.4943 | 2.3560 | 2.7844 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6936 | 1.5623 | 1.5460 | 1.5449 | 1.7776 | 1.7014 | 1.7899 | 0.8621 |
| | 1.3445 | 1.4530 | 1.4613 | 1.4358 | 1.2328 | 1.2742 | 1.2076 | 2.2806 |
| 9 | 1.5623 | 1.7819 | 1.7628 | 1.7513 | 1.6075 | 1.6931 | 1.7798 | 0.8541 |
| | 1.4530 | 1.2678 | 1.2732 | 1.2693 | 1.3699 | 1.2825 | 1.2163 | 2.3009 |
| 10 | 1.5460 | 1.7632 | 1.5193 | 1.4746 | 1.6479 | 1.6418 | 1.7449 | 0.7237 |
| | 1.4613 | 1.2729 | 1.4803 | 1.5175 | 1.3401 | 1.3338 | 1.2483 | 2.7577 |
| 11 | 1.5449 | 1.7518 | 1.4761 | 1.6972 | 1.4124 | 1.5543 | 1.6047 | 0.6783 |
| | 1.4358 | 1.2689 | 1.5161 | 1.3169 | 1.5672 | 1.4169 | 1.3628 | 2.9166 |
| 12 | 1.7776 | 1.6083 | 1.6515 | 1.4133 | 1.5848 | 1.6978 | 1.0116 | |
| | 1.2328 | 1.3689 | 1.3372 | 1.5662 | 1.3788 | 1.2845 | 1.9863 | |
| 13 | 1.7014 | 1.6948 | 1.6496 | 1.5595 | 1.7014 | 1.1576 | 0.5449 | |
| | 1.2742 | 1.2812 | 1.3276 | 1.4137 | 1.2818 | 1.7351 | 3.6179 | |
| 14 | 1.7899 | 1.7803 | 1.7582 | 1.6212 | 1.0183 | 0.5464 | | |
| | 1.2076 | 1.2161 | 1.2397 | 1.3484 | 1.9733 | 3.6085 | | |
| 15 | 0.8621 | 0.7693 | 0.8148 | 0.6974 | F-SUB-Q | | | |
| | 2.2806 | 2.5712 | 2.4119 | 2.8385 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6693 | 1.5449 | 1.5295 | 1.5293 | 1.7597 | 1.6897 | 1.7738 | 0.8632 |
| | 1.3988 | 1.5091 | 1.5203 | 1.4972 | 1.2854 | 1.3236 | 1.2569 | 2.3482 |
| 9 | 1.5449 | 1.7611 | 1.7455 | 1.7311 | 1.5921 | 1.6810 | 1.7636 | 0.8564 |
| | 1.5091 | 1.3189 | 1.3235 | 1.3270 | 1.4266 | 1.3313 | 1.2652 | 2.3639 |
| 10 | 1.5295 | 1.7460 | 1.5025 | 1.4598 | 1.6271 | 1.6301 | 1.7312 | 0.7316 |
| | 1.5203 | 1.3232 | 1.5416 | 1.5781 | 1.3945 | 1.3793 | 1.2913 | 2.8037 |
| 11 | 1.5293 | 1.7317 | 1.4613 | 1.6742 | 1.3982 | 1.5351 | 1.5907 | 0.6832 |
| | 1.4972 | 1.3266 | 1.5765 | 1.3676 | 1.6301 | 1.4756 | 1.4053 | 2.9659 |
| 12 | 1.7597 | 1.5929 | 1.6309 | 1.3992 | 1.5718 | 1.6823 | 1.0193 | |
| | 1.2854 | 1.4255 | 1.3914 | 1.6290 | 1.4369 | 1.3388 | 2.0253 | |
| 13 | 1.6897 | 1.6829 | 1.6382 | 1.5405 | 1.6860 | 1.1617 | 0.5470 | |
| | 1.3236 | 1.3299 | 1.3725 | 1.4706 | 1.3360 | 1.7863 | 3.7169 | |
| 14 | 1.7738 | 1.7642 | 1.7450 | 1.6075 | 1.0262 | 0.5485 | | |
| | 1.2569 | 1.2649 | 1.2821 | 1.3904 | 2.0116 | 3.7070 | | |
| 15 | 0.8632 | 0.7794 | 0.8204 | 0.7028 | F-SUB-Q | | | |
| | 2.3482 | 2.6158 | 2.4619 | 2.8853 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6928 | 1.5554 | 1.5406 | 1.5413 | 1.7851 | 1.7125 | 1.8074 | 0.8577 |
| | 1.4257 | 1.5509 | 1.5622 | 1.5395 | 1.3124 | 1.3521 | 1.2769 | 2.4440 |
| 9 | 1.5554 | 1.7837 | 1.7649 | 1.7540 | 1.6061 | 1.7037 | 1.7971 | 0.8505 |
| | 1.5509 | 1.3476 | 1.3544 | 1.3533 | 1.4635 | 1.3590 | 1.2847 | 2.4597 |
| 10 | 1.5406 | 1.7655 | 1.5127 | 1.4683 | 1.6533 | 1.6521 | 1.7637 | 0.7209 |
| | 1.5622 | 1.3541 | 1.5835 | 1.6214 | 1.4161 | 1.4030 | 1.3067 | 2.9349 |
| 11 | 1.5413 | 1.7547 | 1.4699 | 1.6985 | 1.4091 | 1.5602 | 1.6191 | 0.6747 |
| | 1.5395 | 1.3528 | 1.6197 | 1.3916 | 1.6630 | 1.4921 | 1.4208 | 3.0927 |
| 12 | 1.7851 | 1.6070 | 1.6573 | 1.4101 | 1.5919 | 1.7114 | 1.0096 | |
| | 1.3124 | 1.4624 | 1.4129 | 1.6619 | 1.4579 | 1.3514 | 2.0975 | |
| 13 | 1.7125 | 1.7058 | 1.6605 | 1.5658 | 1.7153 | 1.1560 | 0.5390 | |
| | 1.3521 | 1.3575 | 1.3952 | 1.4885 | 1.3485 | 1.8459 | 3.8628 | |
| 14 | 1.8074 | 1.7979 | 1.7783 | 1.6367 | 1.0166 | 0.5405 | | |
| | 1.2769 | 1.2842 | 1.2963 | 1.4057 | 2.0832 | 3.8523 | | |
| 15 | 0.8577 | 0.7679 | 0.8131 | 0.6941 | F-SUB-Q | | | |
| | 2.4440 | 2.7449 | 2.5625 | 3.0082 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6886 | 1.5486 | 1.5346 | 1.5362 | 1.7851 | 1.7139 | 1.8118 | 0.8536 |
| | 1.4275 | 1.5528 | 1.5648 | 1.5575 | 1.3417 | 1.3996 | 1.3222 | 2.5461 |
| 9 | 1.5486 | 1.7805 | 1.7619 | 1.7515 | 1.6018 | 1.7048 | 1.8013 | 0.8467 |
| | 1.5528 | 1.3503 | 1.3637 | 1.3691 | 1.4953 | 1.4078 | 1.3297 | 2.5599 |
| 10 | 1.5346 | 1.7625 | 1.5060 | 1.4621 | 1.6522 | 1.6531 | 1.7690 | 0.7182 |
| | 1.5648 | 1.3633 | 1.5936 | 1.6400 | 1.4531 | 1.4504 | 1.3481 | 3.0480 |
| 11 | 1.5362 | 1.7522 | 1.4638 | 1.6953 | 1.4044 | 1.5596 | 1.6226 | 0.6713 |
| | 1.5575 | 1.3687 | 1.6382 | 1.4194 | 1.7232 | 1.5402 | 1.4653 | 3.2050 |
| 12 | 1.7851 | 1.6028 | 1.6563 | 1.4054 | 1.5917 | 1.7143 | 1.0066 | |
| | 1.3417 | 1.4944 | 1.4496 | 1.7209 | 1.5053 | 1.3927 | 2.1711 | |
| 13 | 1.7139 | 1.7071 | 1.6623 | 1.5653 | 1.7183 | 1.1526 | 0.5348 | |
| | 1.3996 | 1.4060 | 1.4422 | 1.5365 | 1.3896 | 1.9092 | 4.0096 | |
| 14 | 1.8118 | 1.8023 | 1.7842 | 1.6406 | 1.0137 | 0.5363 | | |
| | 1.3222 | 1.3289 | 1.3363 | 1.4489 | 2.1563 | 3.9987 | | |
| 15 | 0.8536 | 0.7654 | 0.8103 | 0.6909 | F-SUB-Q | | | |
| | 2.5461 | 2.8545 | 2.6605 | 3.1170 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6597 | 1.5260 | 1.5129 | 1.5152 | 1.7615 | 1.6962 | 1.7903 | 0.8497 |
| | 1.4162 | 1.5362 | 1.5470 | 1.5392 | 1.3257 | 1.3788 | 1.3051 | 2.5070 |
| 9 | 1.5260 | 1.7540 | 1.7388 | 1.7259 | 1.5809 | 1.6869 | 1.7799 | 0.8437 |
| | 1.5362 | 1.3366 | 1.3473 | 1.3545 | 1.4765 | 1.3873 | 1.3136 | 2.5208 |
| 10 | 1.5129 | 1.7395 | 1.4842 | 1.4421 | 1.6269 | 1.6359 | 1.7500 | 0.7207 |
| | 1.5470 | 1.3468 | 1.5762 | 1.6206 | 1.4390 | 1.4349 | 1.3404 | 2.9872 |
| 11 | 1.5152 | 1.7266 | 1.4438 | 1.6677 | 1.3855 | 1.5362 | 1.6039 | 0.6718 |
| | 1.5392 | 1.3541 | 1.6187 | 1.4073 | 1.7048 | 1.5328 | 1.4662 | 3.1723 |
| 12 | 1.7615 | 1.5818 | 1.6311 | 1.3865 | 1.5734 | 1.6937 | 1.0071 | |
| | 1.3257 | 1.4757 | 1.4354 | 1.7025 | 1.5181 | 1.4072 | 2.1575 | |
| 13 | 1.6962 | 1.6894 | 1.6457 | 1.5421 | 1.6978 | 1.1497 | 0.5333 | |
| | 1.3788 | 1.3853 | 1.4269 | 1.5271 | 1.4039 | 1.9158 | 4.0413 | |
| 14 | 1.7903 | 1.7811 | 1.7656 | 1.6221 | 1.0143 | 0.5348 | | |
| | 1.3051 | 1.3128 | 1.3300 | 1.4501 | 2.1420 | 4.0294 | | |
| 15 | 0.8497 | 0.7685 | 0.8105 | 0.6917 | F-SUB-Q | | | |
| | 2.5070 | 2.7858 | 2.6176 | 3.0839 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6715 | 1.5265 | 1.5142 | 1.5171 | 1.7752 | 1.7082 | 1.8125 | 0.8393 |
| | 1.3734 | 1.4991 | 1.5085 | 1.5002 | 1.2852 | 1.3386 | 1.2600 | 2.4697 |
| 9 | 1.5265 | 1.7644 | 1.7465 | 1.7367 | 1.5842 | 1.6989 | 1.8020 | 0.8332 |
| | 1.4991 | 1.2974 | 1.3101 | 1.3136 | 1.4386 | 1.3465 | 1.2681 | 2.4845 |
| 10 | 1.5142 | 1.7473 | 1.4846 | 1.4412 | 1.6419 | 1.6479 | 1.7717 | 0.7064 |
| | 1.5085 | 1.3095 | 1.5373 | 1.5814 | 1.3919 | 1.3918 | 1.2935 | 2.9633 |
| 11 | 1.5171 | 1.7375 | 1.4430 | 1.6803 | 1.3874 | 1.5509 | 1.6225 | 0.6597 |
| | 1.5002 | 1.3131 | 1.5795 | 1.3623 | 1.6611 | 1.4810 | 1.4142 | 3.1369 |
| 12 | 1.7752 | 1.5855 | 1.6463 | 1.3884 | 1.5836 | 1.7121 | 0.9917 | |
| | 1.2852 | 1.4377 | 1.3883 | 1.6589 | 1.4716 | 1.3578 | 2.1324 | |
| 13 | 1.7082 | 1.7016 | 1.6583 | 1.5570 | 1.7163 | 1.1374 | 0.5225 | |
| | 1.3386 | 1.3445 | 1.3835 | 1.4754 | 1.3545 | 1.8879 | 3.9994 | |
| 14 | 1.8125 | 1.8034 | 1.7880 | 1.6417 | 0.9989 | 0.5241 | | |
| | 1.2600 | 1.2672 | 1.2829 | 1.3985 | 2.1170 | 3.9876 | | |
| 15 | 0.8393 | 0.7526 | 0.7988 | 0.6794 | F-SUB-Q | | | |
| | 2.4697 | 2.7672 | 2.5832 | 3.0500 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6632 | 1.5147 | 1.5032 | 1.5069 | 1.7695 | 1.7042 | 1.8128 | 0.8300 |
| | 1.3238 | 1.4483 | 1.4568 | 1.4484 | 1.2374 | 1.2885 | 1.2097 | 2.3954 |
| 9 | 1.5148 | 1.7559 | 1.7378 | 1.7293 | 1.5747 | 1.6948 | 1.8023 | 0.8243 |
| | 1.4483 | 1.2502 | 1.2630 | 1.2644 | 1.3885 | 1.2960 | 1.2173 | 2.4085 |
| 10 | 1.5032 | 1.7386 | 1.4731 | 1.4298 | 1.6365 | 1.6445 | 1.7728 | 0.6976 |
| | 1.4568 | 1.2624 | 1.4851 | 1.5275 | 1.3394 | 1.3383 | 1.2403 | 2.8771 |
| 11 | 1.5069 | 1.7300 | 1.4316 | 1.6726 | 1.3781 | 1.5479 | 1.6225 | 0.6518 |
| | 1.4484 | 1.2639 | 1.5255 | 1.3113 | 1.6027 | 1.4233 | 1.3556 | 3.0422 |
| 12 | 1.7695 | 1.5763 | 1.6410 | 1.3792 | 1.5787 | 1.7108 | 0.9812 | |
| | 1.2374 | 1.3877 | 1.3359 | 1.6005 | 1.4186 | 1.3040 | 2.0624 | |
| 13 | 1.7042 | 1.6977 | 1.6553 | 1.5528 | 1.7152 | 1.1271 | 0.5146 | |
| | 1.2885 | 1.2940 | 1.3300 | 1.4178 | 1.3008 | 1.8242 | 3.8846 | |
| 14 | 1.8128 | 1.8039 | 1.7898 | 1.6424 | 0.9885 | 0.5162 | | |
| | 1.2097 | 1.2163 | 1.2296 | 1.3402 | 2.0473 | 3.8730 | | |
| 15 | 0.8300 | 0.7422 | 0.7904 | 0.6714 | F-SUB-Q | | | |
| | 2.3954 | 2.6916 | 2.5029 | 2.9569 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6446 | 1.4964 | 1.4857 | 1.4897 | 1.7540 | 1.6909 | 1.8003 | 0.8217 |
| | 1.2878 | 1.4103 | 1.4180 | 1.4097 | 1.2010 | 1.2494 | 1.1718 | 2.3295 |
| 9 | 1.4964 | 1.7381 | 1.7206 | 1.7122 | 1.5580 | 1.6813 | 1.7898 | 0.8163 |
| | 1.4103 | 1.2147 | 1.2270 | 1.2291 | 1.3506 | 1.2567 | 1.1791 | 2.3411 |
| 10 | 1.4857 | 1.7215 | 1.4553 | 1.4129 | 1.6207 | 1.6319 | 1.7618 | 0.6923 |
| | 1.4180 | 1.2264 | 1.4462 | 1.4870 | 1.3010 | 1.2967 | 1.1998 | 2.7894 |
| 11 | 1.4897 | 1.7129 | 1.4149 | 1.6551 | 1.3627 | 1.5346 | 1.6113 | 0.6458 |
| | 1.4097 | 1.2285 | 1.4850 | 1.2742 | 1.5584 | 1.3809 | 1.3118 | 2.9525 |
| 12 | 1.7540 | 1.5596 | 1.6253 | 1.3638 | 1.5657 | 1.6985 | 0.9740 | |
| | 1.2010 | 1.3495 | 1.2975 | 1.5562 | 1.3735 | 1.2605 | 1.9955 | |
| 13 | 1.6909 | 1.6843 | 1.6428 | 1.5390 | 1.7029 | 1.1178 | 0.5090 | |
| | 1.2494 | 1.2546 | 1.2885 | 1.3755 | 1.2574 | 1.7651 | 3.7710 | |
| 14 | 1.8003 | 1.7917 | 1.7791 | 1.6315 | 0.9814 | 0.5106 | | |
| | 1.1718 | 1.1781 | 1.1890 | 1.2963 | 1.9806 | 3.7596 | | |
| 15 | 0.8217 | 0.7386 | 0.7842 | 0.6656 | F-SUB-Q | | | |
| | 2.3295 | 2.6037 | 2.4273 | 2.8686 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6113 | 1.4697 | 1.4598 | 1.4642 | 1.7240 | 1.6657 | 1.7708 | 0.8146 |
| | 1.3694 | 1.4967 | 1.5047 | 1.4959 | 1.2741 | 1.3221 | 1.2419 | 2.4517 |
| 9 | 1.4697 | 1.7063 | 1.6917 | 1.6809 | 1.5318 | 1.6560 | 1.7604 | 0.8095 |
| | 1.4967 | 1.2896 | 1.3010 | 1.3059 | 1.4322 | 1.3299 | 1.2495 | 2.4628 |
| 10 | 1.4598 | 1.6926 | 1.4293 | 1.3889 | 1.5897 | 1.6076 | 1.7347 | 0.6913 |
| | 1.5047 | 1.3004 | 1.5355 | 1.5772 | 1.3826 | 1.3713 | 1.2692 | 2.9135 |
| 11 | 1.4642 | 1.6818 | 1.3909 | 1.6236 | 1.3396 | 1.5070 | 1.5856 | 0.6435 |
| | 1.4959 | 1.3053 | 1.5750 | 1.3541 | 1.6504 | 1.4654 | 1.3878 | 3.0882 |
| 12 | 1.7240 | 1.5334 | 1.5944 | 1.3407 | 1.5425 | 1.6710 | 0.9708 | |
| | 1.2741 | 1.4312 | 1.3788 | 1.6487 | 1.4496 | 1.3310 | 2.0832 | |
| 13 | 1.6657 | 1.6591 | 1.6187 | 1.5114 | 1.6754 | 1.1106 | 0.5056 | |
| | 1.3221 | 1.3275 | 1.3623 | 1.4591 | 1.3276 | 1.8455 | 3.9490 | |
| 14 | 1.7708 | 1.7625 | 1.7523 | 1.6060 | 0.9782 | 0.5072 | | |
| | 1.2419 | 1.2483 | 1.2572 | 1.3707 | 2.0675 | 3.9370 | | |
| 15 | 0.8146 | 0.7383 | 0.7807 | 0.6634 | F-SUB-Q | | | |
| | 2.4517 | 2.7179 | 2.5428 | 2.9993 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6194 | 1.4663 | 1.4570 | 1.4618 | 1.7321 | 1.6707 | 1.7863 | 0.8000 |
| | 1.3118 | 1.4473 | 1.4556 | 1.4485 | 1.2257 | 1.2750 | 1.1906 | 2.4189 |
| 9 | 1.4663 | 1.7124 | 1.6946 | 1.6890 | 1.5310 | 1.6610 | 1.7758 | 0.7952 |
| | 1.4473 | 1.2393 | 1.2541 | 1.2550 | 1.3861 | 1.2822 | 1.1978 | 2.4286 |
| 10 | 1.4570 | 1.6956 | 1.4261 | 1.3842 | 1.6000 | 1.6130 | 1.7493 | 0.6727 |
| | 1.4556 | 1.2534 | 1.4864 | 1.5287 | 1.3274 | 1.3203 | 1.2156 | 2.8984 |
| 11 | 1.4618 | 1.6898 | 1.3862 | 1.6315 | 1.3374 | 1.5182 | 1.5976 | 0.6277 |
| | 1.4485 | 1.2544 | 1.5265 | 1.2994 | 1.5916 | 1.4040 | 1.3288 | 3.0630 |
| 12 | 1.7321 | 1.5327 | 1.6048 | 1.3385 | 1.5489 | 1.6836 | 0.9495 | |
| | 1.2257 | 1.3850 | 1.3236 | 1.5904 | 1.3851 | 1.2696 | 2.0532 | |
| 13 | 1.6707 | 1.6643 | 1.6244 | 1.5228 | 1.6881 | 1.0929 | 0.4927 | |
| | 1.2750 | 1.2798 | 1.3114 | 1.3971 | 1.2663 | 1.8022 | 3.9109 | |
| 14 | 1.7863 | 1.7782 | 1.7674 | 1.6187 | 0.9568 | 0.4942 | | |
| | 1.1906 | 1.1964 | 1.2036 | 1.3121 | 2.0375 | 3.8988 | | |
| 15 | 0.8000 | 0.7164 | 0.7644 | 0.6472 | F-SUB-Q | | | |
| | 2.4189 | 2.7136 | 2.5142 | 2.9742 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6000 | 1.4476 | 1.4392 | 1.4438 | 1.7139 | 1.6549 | 1.7701 | 0.7878 |
| | 1.2752 | 1.4097 | 1.4176 | 1.4115 | 1.1919 | 1.2385 | 1.1559 | 2.3665 |
| 9 | 1.4476 | 1.6925 | 1.6768 | 1.6708 | 1.5136 | 1.6453 | 1.7599 | 0.7833 |
| | 1.4097 | 1.2056 | 1.2191 | 1.2211 | 1.3495 | 1.2453 | 1.1627 | 2.3749 |
| 10 | 1.4392 | 1.6778 | 1.4086 | 1.3669 | 1.5834 | 1.5978 | 1.7336 | 0.6623 |
| | 1.4176 | 1.2184 | 1.4480 | 1.4896 | 1.2905 | 1.2816 | 1.1793 | 2.8352 |
| 11 | 1.4438 | 1.6716 | 1.3689 | 1.6137 | 1.3218 | 1.5030 | 1.5817 | 0.6178 |
| | 1.4115 | 1.2205 | 1.4874 | 1.2632 | 1.5458 | 1.3612 | 1.2898 | 2.9962 |
| 12 | 1.7139 | 1.5153 | 1.5882 | 1.3228 | 1.5353 | 1.6681 | 0.9359 | |
| | 1.1919 | 1.3481 | 1.2867 | 1.5446 | 1.3368 | 1.2280 | 2.0013 | |
| 13 | 1.6549 | 1.6486 | 1.6093 | 1.5075 | 1.6726 | 1.0792 | 0.4846 | |
| | 1.2385 | 1.2429 | 1.2729 | 1.3563 | 1.2247 | 1.7494 | 3.8209 | |
| 14 | 1.7701 | 1.7623 | 1.7518 | 1.6028 | 0.9432 | 0.4861 | | |
| | 1.1559 | 1.1612 | 1.1673 | 1.2733 | 1.9858 | 3.8091 | | |
| 15 | 0.7878 | 0.7054 | 0.7533 | 0.6371 | F-SUB-Q | | | |
| | 2.3665 | 2.6551 | 2.4569 | 2.9084 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5467 | 1.4106 | 1.4029 | 1.4072 | 1.6627 | 1.6135 | 1.7141 | 0.7776 |
| | 1.2756 | 1.3994 | 1.4072 | 1.4017 | 1.1887 | 1.2287 | 1.1547 | 2.3226 |
| 9 | 1.4106 | 1.6397 | 1.6330 | 1.6183 | 1.4764 | 1.6041 | 1.7044 | 0.7733 |
| | 1.3994 | 1.2036 | 1.2110 | 1.2197 | 1.3388 | 1.2354 | 1.1613 | 2.3311 |
| 10 | 1.4029 | 1.6341 | 1.3736 | 1.3342 | 1.5343 | 1.5578 | 1.6802 | 0.6601 |
| | 1.4072 | 1.2102 | 1.4370 | 1.4769 | 1.2885 | 1.2711 | 1.1763 | 2.7554 |
| 11 | 1.4072 | 1.6192 | 1.3362 | 1.5649 | 1.2907 | 1.4555 | 1.5308 | 0.6137 |
| | 1.4017 | 1.2191 | 1.4747 | 1.2610 | 1.5294 | 1.3572 | 1.2880 | 2.9203 |
| 12 | 1.6627 | 1.4781 | 1.5390 | 1.2918 | 1.4970 | 1.6176 | 0.9296 | |
| | 1.1887 | 1.3374 | 1.2847 | 1.5282 | 1.3221 | 1.2217 | 1.9477 | |
| 13 | 1.6135 | 1.6074 | 1.5690 | 1.4599 | 1.6221 | 1.0682 | 0.4818 | |
| | 1.2287 | 1.2330 | 1.2623 | 1.3533 | 1.2184 | 1.7058 | 3.7168 | |
| 14 | 1.7141 | 1.7068 | 1.6978 | 1.5514 | 0.9369 | 0.4833 | | |
| | 1.1547 | 1.1598 | 1.1642 | 1.2713 | 1.9325 | 3.7052 | | |
| 15 | 0.7776 | 0.7051 | 0.7473 | 0.6332 | F-SUB-Q | | | |
| | 2.3226 | 2.5735 | 2.3988 | 2.8333 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5292 | 1.3932 | 1.3842 | 1.3910 | 1.6384 | 1.5952 | 1.6906 | 0.7576 |
| | 1.2555 | 1.3791 | 1.3884 | 1.3805 | 1.1740 | 1.2093 | 1.1392 | 2.3232 |
| 9 | 1.3932 | 1.6118 | 1.6129 | 1.5973 | 1.4616 | 1.5866 | 1.6813 | 0.7531 |
| | 1.3791 | 1.1916 | 1.1932 | 1.2025 | 1.3163 | 1.2152 | 1.1453 | 2.3317 |
| 10 | 1.3842 | 1.6140 | 1.3560 | 1.3175 | 1.5209 | 1.5428 | 1.6565 | 0.6364 |
| | 1.3884 | 1.1924 | 1.4172 | 1.4562 | 1.2651 | 1.2483 | 1.1601 | 2.7845 |
| 11 | 1.3910 | 1.5981 | 1.3196 | 1.5483 | 1.2804 | 1.4405 | 1.5091 | 0.5931 |
| | 1.3805 | 1.2019 | 1.4541 | 1.2391 | 1.4994 | 1.3332 | 1.2705 | 2.9436 |
| 12 | 1.6384 | 1.4632 | 1.5255 | 1.2814 | 1.4817 | 1.5972 | 0.9014 | |
| | 1.1740 | 1.3149 | 1.2614 | 1.4982 | 1.2976 | 1.2021 | 1.9544 | |
| 13 | 1.5952 | 1.5897 | 1.5538 | 1.4449 | 1.6016 | 1.0397 | 0.4664 | |
| | 1.2093 | 1.2130 | 1.2397 | 1.3293 | 1.1989 | 1.7039 | 3.7390 | |
| 14 | 1.6906 | 1.6835 | 1.6742 | 1.5292 | 0.9084 | 0.4679 | | |
| | 1.1392 | 1.1439 | 1.1480 | 1.2542 | 1.9392 | 3.7274 | | |
| 15 | 0.7576 | 0.6793 | 0.7250 | 0.6119 | F-SUB-Q | | | |
| | 2.3232 | 2.6032 | 2.4088 | 2.8562 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4693 | 1.3416 | 1.3115 | 1.3400 | 1.5659 | 1.5156 | 1.5968 | 0.7350 |
| | 1.2791 | 1.4010 | 1.4349 | 1.4030 | 1.2014 | 1.2455 | 1.1803 | 2.3476 |
| 9 | 1.3416 | 1.5362 | 1.5292 | 1.5267 | 1.4083 | 1.5070 | 1.5875 | 0.7308 |
| | 1.4010 | 1.2237 | 1.2316 | 1.2315 | 1.3357 | 1.2519 | 1.1870 | 2.3557 |
| 10 | 1.3115 | 1.5302 | 1.2830 | 1.2690 | 1.4515 | 1.4717 | 1.5685 | 0.6132 |
| | 1.4349 | 1.2308 | 1.4669 | 1.4809 | 1.2975 | 1.2804 | 1.1986 | 2.8334 |
| 11 | 1.3400 | 1.5274 | 1.2710 | 1.4911 | 1.2390 | 1.3903 | 1.4436 | 0.5704 |
| | 1.4030 | 1.2309 | 1.4785 | 1.2599 | 1.5159 | 1.3518 | 1.2994 | 3.0011 |
| 12 | 1.5659 | 1.4093 | 1.4558 | 1.2409 | 1.4143 | 1.5159 | 0.8767 | |
| | 1.2014 | 1.3347 | 1.2937 | 1.5136 | 1.3300 | 1.2387 | 1.9676 | |
| 13 | 1.5156 | 1.5098 | 1.4820 | 1.3963 | 1.5201 | 0.9905 | 0.4447 | |
| | 1.2455 | 1.2497 | 1.2717 | 1.3461 | 1.2354 | 1.7507 | 3.8455 | |
| 14 | 1.5968 | 1.5894 | 1.5851 | 1.4613 | 0.8835 | 0.4461 | | |
| | 1.1803 | 1.1856 | 1.1863 | 1.2840 | 1.9525 | 3.8336 | | |
| 15 | 0.7350 | 0.6572 | 0.7006 | 0.5879 | F-SUB-Q | | | |
| | 2.3476 | 2.6382 | 2.4439 | 2.9144 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 100% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5000 | 1.1687 | 1.0886 | 1.1576 | 1.5437 | 1.2691 | 1.4731 | 0.6455 |
| | 1.2319 | 1.5828 | 1.7023 | 1.5985 | 1.1987 | 1.4636 | 1.2577 | 2.6362 |
| 9 | 1.1687 | 1.5070 | 1.2958 | 1.5197 | 1.2267 | 1.2606 | 1.4637 | 0.6461 |
| | 1.5828 | 1.2269 | 1.4302 | 1.2169 | 1.5095 | 1.4730 | 1.2655 | 2.6276 |
| 10 | 1.0886 | 1.2967 | 1.0607 | 1.1107 | 1.4681 | 1.2393 | 1.4229 | 0.5377 |
| | 1.7023 | 1.4292 | 1.7473 | 1.6650 | 1.2594 | 1.4962 | 1.3005 | 3.1874 |
| 11 | 1.1576 | 1.5208 | 1.1124 | 1.4826 | 1.0892 | 1.4134 | 1.3078 | 0.4979 |
| | 1.5985 | 1.2161 | 1.6625 | 1.2465 | 1.6972 | 1.3077 | 1.4119 | 3.3926 |
| 12 | 1.5437 | 1.2275 | 1.4712 | 1.0915 | 1.1975 | 1.3617 | 0.7884 | |
| | 1.1987 | 1.5086 | 1.2570 | 1.6940 | 1.5457 | 1.3568 | 2.1566 | |
| 13 | 1.2691 | 1.2629 | 1.2478 | 1.4209 | 1.3661 | 0.8462 | 0.3780 | |
| | 1.4636 | 1.4700 | 1.4863 | 1.3010 | 1.3525 | 2.0194 | 4.4660 | |
| 14 | 1.4731 | 1.4649 | 1.4369 | 1.3230 | 0.7943 | 0.3792 | | |
| | 1.2577 | 1.2646 | 1.2880 | 1.3959 | 2.1404 | 4.4521 | | |
| 15 | 0.6455 | 0.5799 | 0.6148 | 0.5116 | F-SUB-Q | | | |
| | 2.6362 | 2.9490 | 2.7466 | 3.3044 | M-SUB-Q | | | |

AT 100% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6014 | 0.5116 | 0.4768 | 0.5152 | 0.6095 | 0.5116 | 0.5381 | 0.2751 |
| | 3.0430 | 3.5811 | 3.8487 | 3.5588 | 3.0072 | 3.5881 | 3.4124 | 6.1378 |
| 9 | 0.5116 | 0.5930 | 0.5194 | 0.5956 | 0.5302 | 0.4997 | 0.5343 | 0.2746 |
| | 3.5811 | 3.0889 | 3.5313 | 3.0758 | 3.4587 | 3.6766 | 3.4357 | 6.1355 |
| 10 | 0.4768 | 0.5197 | 0.4649 | 0.4973 | 0.5844 | 0.4992 | 0.5165 | 0.2485 |
| | 3.8487 | 3.5290 | 3.9472 | 3.6830 | 3.1335 | 3.6722 | 3.5508 | 6.8447 |
| 11 | 0.5152 | 0.5960 | 0.4981 | 0.5678 | 0.4887 | 0.5532 | 0.4782 | 0.2175 |
| | 3.5588 | 3.0736 | 3.6773 | 3.2242 | 3.7485 | 3.3113 | 3.8295 | 7.7102 |
| 12 | 0.6095 | 0.5306 | 0.5859 | 0.4896 | 0.4730 | 0.4981 | 0.3336 | |
| | 3.0072 | 3.4564 | 3.1258 | 3.7417 | 3.8760 | 3.6770 | 5.0549 | |
| 13 | 0.5116 | 0.5006 | 0.5016 | 0.5561 | 0.4998 | 0.3482 | 0.1686 | |
| | 3.5881 | 3.6700 | 3.6555 | 3.2944 | 3.6644 | 4.8645 | 9.9452 | |
| 14 | 0.5381 | 0.5348 | 0.5213 | 0.4836 | 0.3361 | 0.1691 | | |
| | 3.4124 | 3.4325 | 3.5183 | 3.7875 | 5.0170 | 9.9134 | | |
| 15 | 0.2751 | 0.2633 | 0.2625 | 0.2240 | F-SUB-Q | | | |
| | 6.1378 | 6.4438 | 6.3837 | 7.4929 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5763 | 0.5745 | 0.5649 | 0.6026 | 0.6924 | 0.5944 | 0.5893 | 0.3189 |
| | 3.5053 | 4.0639 | 4.0063 | 3.6269 | 3.1376 | 3.6530 | 3.7134 | 6.2233 |
| 9 | 0.5745 | 0.6719 | 0.6026 | 0.6832 | 0.6186 | 0.5793 | 0.5848 | 0.3180 |
| | 4.0639 | 3.5520 | 3.7544 | 3.2296 | 3.5282 | 3.7657 | 3.7620 | 6.2444 |
| 10 | 0.5649 | 0.6028 | 0.5544 | 0.5819 | 0.6651 | 0.5714 | 0.5590 | 0.2825 |
| | 4.0063 | 3.7532 | 4.1860 | 3.8533 | 3.3911 | 3.9312 | 3.9655 | 7.1203 |
| 11 | 0.6026 | 0.6835 | 0.5823 | 0.6358 | 0.5605 | 0.6038 | 0.5208 | 0.2511 |
| | 3.6269 | 3.2282 | 3.8495 | 3.7453 | 4.2515 | 3.9293 | 4.4412 | 8.1480 |
| 12 | 0.6924 | 0.6189 | 0.6659 | 0.5610 | 0.4985 | 0.5124 | 0.3675 | |
| | 3.1376 | 3.5266 | 3.3866 | 4.2468 | 4.3850 | 4.3207 | 5.8160 | |
| 13 | 0.5944 | 0.5798 | 0.5728 | 0.6060 | 0.5137 | 0.3659 | 0.1966 | |
| | 3.6530 | 3.7628 | 3.9209 | 3.9169 | 4.3109 | 5.4275 | *10.4571 | |
| 14 | 0.5893 | 0.5843 | 0.5623 | 0.5247 | 0.3697 | 0.1971 | | |
| | 3.7135 | 3.7651 | 3.9419 | 4.4049 | 5.7826 | *10.4319 | | |
| 15 | 0.3189 | 0.2983 | 0.2988 | 0.2576 | F-SUB-Q | | | |
| | 6.2233 | 6.6995 | 6.6305 | 7.9421 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5242 | 1.2802 | 1.2263 | 1.2913 | 1.6294 | 1.3787 | 1.4927 | 0.7389 |
| | 1.5378 | 1.9012 | 1.8968 | 1.7435 | 1.3753 | 1.6205 | 1.5065 | 2.7655 |
| 9 | 1.2802 | 1.5966 | 1.4118 | 1.6141 | 1.3553 | 1.3527 | 1.4824 | 0.7353 |
| | 1.9012 | 1.5121 | 1.6430 | 1.4032 | 1.6581 | 1.6592 | 1.5114 | 2.7626 |
| 10 | 1.2263 | 1.4121 | 1.2069 | 1.2440 | 1.5632 | 1.3274 | 1.4262 | 0.6133 |
| | 1.8968 | 1.6426 | 1.9601 | 1.8589 | 1.4818 | 1.7429 | 1.5977 | 3.3669 |
| 11 | 1.2913 | 1.6146 | 1.2450 | 1.5560 | 1.1993 | 1.4472 | 1.3134 | 0.5718 |
| | 1.7435 | 1.4027 | 1.8573 | 1.5627 | 2.0351 | 1.6773 | 1.8238 | 3.6829 |
| 12 | 1.6294 | 1.3558 | 1.5649 | 1.2007 | 1.2107 | 1.3453 | 0.8626 | |
| | 1.3753 | 1.6574 | 1.4800 | 2.0330 | 1.8859 | 1.7288 | 2.5394 | |
| 13 | 1.3787 | 1.3536 | 1.3305 | 1.4523 | 1.3486 | 0.9156 | 0.4466 | |
| | 1.6205 | 1.6580 | 1.7382 | 1.6721 | 1.7252 | 2.2992 | 4.7377 | |
| 14 | 1.4927 | 1.4807 | 1.4348 | 1.3245 | 0.8677 | 0.4477 | | |
| | 1.5065 | 1.5130 | 1.5879 | 1.8086 | 2.5252 | 4.7267 | | |
| 15 | 0.7389 | 0.6583 | 0.6907 | 0.5853 | F-SUB-Q | | | |
| | 2.7655 | 3.1112 | 2.9450 | 3.5979 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5644 | 1.4983 | 1.4727 | 1.4944 | 1.6548 | 1.6216 | 1.6227 | 0.8565 |
| | 1.6074 | 1.6891 | 1.6128 | 1.5362 | 1.3745 | 1.4006 | 1.3921 | 2.3915 |
| 9 | 1.4983 | 1.6439 | 1.6582 | 1.6251 | 1.5563 | 1.6061 | 1.6132 | 0.8477 |
| | 1.6891 | 1.4990 | 1.4257 | 1.4184 | 1.4725 | 1.4194 | 1.4050 | 2.4162 |
| 10 | 1.4727 | 1.6583 | 1.4534 | 1.4266 | 1.5429 | 1.5459 | 1.5720 | 0.7166 |
| | 1.6128 | 1.4256 | 1.6402 | 1.6549 | 1.5208 | 1.5128 | 1.4721 | 2.9300 |
| 11 | 1.4944 | 1.6256 | 1.4278 | 1.5809 | 1.3741 | 1.4436 | 1.4473 | 0.6672 |
| | 1.5362 | 1.4180 | 1.6535 | 1.5497 | 1.8027 | 1.7220 | 1.6725 | 3.2212 |
| 12 | 1.6548 | 1.5570 | 1.5443 | 1.3755 | 1.4756 | 1.5225 | 0.9879 | |
| | 1.3745 | 1.4718 | 1.5193 | 1.8017 | 1.6219 | 1.5749 | 2.2630 | |
| 13 | 1.6216 | 1.6072 | 1.5500 | 1.4478 | 1.5254 | 1.1044 | 0.5387 | |
| | 1.4006 | 1.4185 | 1.5067 | 1.7179 | 1.5722 | 1.9831 | 4.0221 | |
| 14 | 1.6227 | 1.6124 | 1.5811 | 1.4609 | 0.9940 | 0.5401 | | |
| | 1.3921 | 1.4057 | 1.4654 | 1.6555 | 2.2496 | 4.0126 | | |
| 15 | 0.8565 | 0.7676 | 0.8026 | 0.6854 | F-SUB-Q | | | |
| | 2.3915 | 2.6857 | 2.5778 | 3.1353 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6962 | 1.6110 | 1.5929 | 1.5917 | 1.7887 | 1.7501 | 1.7815 | 0.8911 |
| | 1.5257 | 1.6192 | 1.5241 | 1.4729 | 1.2953 | 1.3219 | 1.2885 | 2.3344 |
| 9 | 1.6110 | 1.7865 | 1.8017 | 1.7598 | 1.6589 | 1.7372 | 1.7713 | 0.8800 |
| | 1.6192 | 1.4024 | 1.3397 | 1.3378 | 1.4042 | 1.3364 | 1.3014 | 2.3682 |
| 10 | 1.5929 | 1.8018 | 1.5718 | 1.5243 | 1.6631 | 1.6711 | 1.7240 | 0.7423 |
| | 1.5241 | 1.3396 | 1.5454 | 1.5828 | 1.4347 | 1.4240 | 1.3690 | 2.8843 |
| 11 | 1.5917 | 1.7602 | 1.5254 | 1.7077 | 1.4533 | 1.5508 | 1.5746 | 0.6940 |
| | 1.4729 | 1.3374 | 1.5815 | 1.4547 | 1.7274 | 1.6199 | 1.5722 | 3.1660 |
| 12 | 1.7887 | 1.6600 | 1.6663 | 1.4549 | 1.6050 | 1.6737 | 1.0277 | |
| | 1.2953 | 1.4033 | 1.4319 | 1.7264 | 1.5305 | 1.4690 | 2.2250 | |
| 13 | 1.7501 | 1.7385 | 1.6781 | 1.5556 | 1.6771 | 1.1806 | 0.5638 | |
| | 1.3219 | 1.3357 | 1.4178 | 1.6166 | 1.4663 | 1.9057 | 3.9384 | |
| 14 | 1.7815 | 1.7708 | 1.7346 | 1.5902 | 1.0343 | 0.5653 | | |
| | 1.2884 | 1.3019 | 1.3618 | 1.5553 | 2.2111 | 3.9288 | | |
| 15 | 0.8911 | 0.7907 | 0.8342 | 0.7137 | F-SUB-Q | | | |
| | 2.3344 | 2.6500 | 2.5289 | 3.0776 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7477 | 1.6443 | 1.6258 | 1.6235 | 1.8470 | 1.7892 | 1.8467 | 0.9067 |
| | 1.5209 | 1.6214 | 1.5263 | 1.4746 | 1.2820 | 1.3194 | 1.2714 | 2.3483 |
| 9 | 1.6443 | 1.8469 | 1.8477 | 1.8158 | 1.6918 | 1.7753 | 1.8357 | 0.8962 |
| | 1.6214 | 1.3878 | 1.3350 | 1.3273 | 1.4063 | 1.3336 | 1.2849 | 2.3781 |
| 10 | 1.6258 | 1.8479 | 1.6029 | 1.5512 | 1.7087 | 1.7142 | 1.7887 | 0.7586 |
| | 1.5263 | 1.3350 | 1.5512 | 1.5897 | 1.4263 | 1.4175 | 1.3493 | 2.8902 |
| 11 | 1.6235 | 1.8163 | 1.5524 | 1.7540 | 1.4781 | 1.5947 | 1.6326 | 0.7074 |
| | 1.4746 | 1.3268 | 1.5884 | 1.4511 | 1.7410 | 1.6090 | 1.5467 | 3.1684 |
| 12 | 1.8470 | 1.6930 | 1.7121 | 1.4791 | 1.6458 | 1.7349 | 1.0535 | |
| | 1.2820 | 1.4052 | 1.4231 | 1.7400 | 1.5316 | 1.4541 | 2.2257 | |
| 13 | 1.7892 | 1.7765 | 1.7219 | 1.5999 | 1.7385 | 1.2113 | 0.5724 | |
| | 1.3194 | 1.3329 | 1.4107 | 1.6055 | 1.4512 | 1.9078 | 3.9850 | |
| 14 | 1.8467 | 1.8354 | 1.8004 | 1.6494 | 1.0605 | 0.5740 | | |
| | 1.2714 | 1.2851 | 1.3403 | 1.5292 | 2.2114 | 3.9749 | | |
| 15 | 0.9067 | 0.8082 | 0.8511 | 0.7279 | F-SUB-Q | | | |
| | 2.3483 | 2.6542 | 2.5367 | 3.0773 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7595 | 1.6470 | 1.6288 | 1.6274 | 1.8628 | 1.7979 | 1.8681 | 0.9128 |
| | 1.5484 | 1.6581 | 1.5609 | 1.5068 | 1.2992 | 1.3358 | 1.2822 | 2.3820 |
| 9 | 1.6470 | 1.8619 | 1.8561 | 1.8294 | 1.6962 | 1.7876 | 1.8568 | 0.9038 |
| | 1.6581 | 1.4094 | 1.3603 | 1.3504 | 1.4346 | 1.3506 | 1.2957 | 2.4079 |
| 10 | 1.6288 | 1.8563 | 1.6033 | 1.5518 | 1.7185 | 1.7263 | 1.8122 | 0.7679 |
| | 1.5609 | 1.3602 | 1.5863 | 1.6257 | 1.4523 | 1.4397 | 1.3605 | 2.9152 |
| 11 | 1.6274 | 1.8299 | 1.5532 | 1.7627 | 1.4806 | 1.6071 | 1.6548 | 0.7141 |
| | 1.5068 | 1.3500 | 1.6242 | 1.4811 | 1.7808 | 1.6350 | 1.5649 | 3.2179 |
| 12 | 1.8628 | 1.6975 | 1.7222 | 1.4816 | 1.6557 | 1.7550 | 1.0664 | |
| | 1.2992 | 1.4336 | 1.4489 | 1.7796 | 1.5640 | 1.4769 | 2.2542 | |
| 13 | 1.7979 | 1.7891 | 1.7344 | 1.6125 | 1.7588 | 1.2228 | 0.5750 | |
| | 1.3358 | 1.3494 | 1.4325 | 1.6311 | 1.4738 | 1.9469 | 4.0855 | |
| 14 | 1.8681 | 1.8568 | 1.8246 | 1.6723 | 1.0736 | 0.5766 | | |
| | 1.2822 | 1.2956 | 1.3515 | 1.5467 | 2.2391 | 4.0746 | | |
| 15 | 0.9128 | 0.8183 | 0.8599 | 0.7350 | F-SUB-Q | | | |
| | 2.3820 | 2.6765 | 2.5637 | 3.1243 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7744 | 1.6502 | 1.6319 | 1.6322 | 1.8806 | 1.8133 | 1.8938 | 0.9100 |
| | 1.5609 | 1.6823 | 1.6103 | 1.5526 | 1.3275 | 1.3629 | 1.3009 | 2.4562 |
| 9 | 1.6502 | 1.8769 | 1.8658 | 1.8440 | 1.7027 | 1.8025 | 1.8823 | 0.9004 |
| | 1.6823 | 1.4448 | 1.3983 | 1.3821 | 1.4751 | 1.3789 | 1.3151 | 2.4853 |
| 10 | 1.6319 | 1.8661 | 1.6053 | 1.5539 | 1.7351 | 1.7413 | 1.8389 | 0.7630 |
| | 1.6103 | 1.3981 | 1.6377 | 1.6788 | 1.4851 | 1.4718 | 1.3823 | 3.0223 |
| 11 | 1.6322 | 1.8445 | 1.5554 | 1.7767 | 1.4847 | 1.6247 | 1.6790 | 0.7108 |
| | 1.5526 | 1.3816 | 1.6772 | 1.5197 | 1.8218 | 1.6583 | 1.5924 | 3.3379 |
| 12 | 1.8806 | 1.7041 | 1.7390 | 1.4857 | 1.6683 | 1.7778 | 1.0640 | |
| | 1.3275 | 1.4738 | 1.4815 | 1.8206 | 1.5928 | 1.4961 | 2.3187 | |
| 13 | 1.8133 | 1.8042 | 1.7499 | 1.6304 | 1.7818 | 1.2207 | 0.5695 | |
| | 1.3629 | 1.3775 | 1.4642 | 1.6543 | 1.4930 | 2.0019 | 4.2339 | |
| 14 | 1.8938 | 1.8826 | 1.8519 | 1.6972 | 1.0714 | 0.5711 | | |
| | 1.3009 | 1.3149 | 1.3726 | 1.5735 | 2.3025 | 4.2224 | | |
| 15 | 0.9100 | 0.8138 | 0.8571 | 0.7317 | F-SUB-Q | | | |
| | 2.4562 | 2.7676 | 2.6504 | 3.2402 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7685 | 1.6389 | 1.6215 | 1.6229 | 1.8779 | 1.8114 | 1.8973 | 0.9036 |
| | 1.6086 | 1.7414 | 1.6905 | 1.6274 | 1.3832 | 1.4168 | 1.3480 | 2.5664 |
| 9 | 1.6389 | 1.8707 | 1.8582 | 1.8385 | 1.6949 | 1.8008 | 1.8858 | 0.8944 |
| | 1.7414 | 1.5113 | 1.4641 | 1.4433 | 1.5426 | 1.4338 | 1.3631 | 2.5964 |
| 10 | 1.6215 | 1.8586 | 1.5935 | 1.5431 | 1.7319 | 1.7401 | 1.8439 | 0.7578 |
| | 1.6905 | 1.4638 | 1.7207 | 1.7630 | 1.5486 | 1.5315 | 1.4329 | 3.1616 |
| 11 | 1.6229 | 1.8391 | 1.5447 | 1.7711 | 1.4768 | 1.6236 | 1.6836 | 0.7059 |
| | 1.6274 | 1.4428 | 1.7612 | 1.5804 | 1.8726 | 1.6971 | 1.6351 | 3.4948 |
| 12 | 1.8779 | 1.6964 | 1.7361 | 1.4779 | 1.6657 | 1.7800 | 1.0588 | |
| | 1.3832 | 1.5413 | 1.5447 | 1.8713 | 1.6366 | 1.5321 | 2.3792 | |
| 13 | 1.8114 | 1.8027 | 1.7491 | 1.6295 | 1.7841 | 1.2142 | 0.5634 | |
| | 1.4168 | 1.4323 | 1.5233 | 1.6928 | 1.5286 | 2.0690 | 4.3871 | |
| 14 | 1.8973 | 1.8863 | 1.8575 | 1.7023 | 1.0662 | 0.5650 | | |
| | 1.3480 | 1.3628 | 1.4222 | 1.6176 | 2.3625 | 4.3748 | | |
| 15 | 0.9036 | 0.8085 | 0.8522 | 0.7269 | F-SUB-Q | | | |
| | 2.5664 | 2.8914 | 2.7690 | 3.3915 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7633 | 1.6272 | 1.6104 | 1.6132 | 1.8757 | 1.8086 | 1.9005 | 0.8944 |
| | 1.6770 | 1.8091 | 1.7895 | 1.7200 | 1.4522 | 1.4855 | 1.4083 | 2.7114 |
| 9 | 1.6272 | 1.8650 | 1.8503 | 1.8335 | 1.6864 | 1.7976 | 1.8889 | 0.8855 |
| | 1.8091 | 1.5708 | 1.5454 | 1.5181 | 1.6262 | 1.5036 | 1.4241 | 2.7466 |
| 10 | 1.6104 | 1.8507 | 1.5821 | 1.5323 | 1.7302 | 1.7374 | 1.8480 | 0.7485 |
| | 1.7895 | 1.5451 | 1.8224 | 1.8666 | 1.6255 | 1.6065 | 1.4971 | 3.3488 |
| 11 | 1.6132 | 1.8342 | 1.5340 | 1.7669 | 1.4683 | 1.6230 | 1.6866 | 0.6978 |
| | 1.7200 | 1.5175 | 1.8645 | 1.6397 | 1.9508 | 1.7556 | 1.6810 | 3.6767 |
| 12 | 1.8757 | 1.6879 | 1.7345 | 1.4693 | 1.6621 | 1.7819 | 1.0469 | |
| | 1.4522 | 1.6248 | 1.6213 | 1.9495 | 1.7010 | 1.5841 | 2.4863 | |
| 13 | 1.8086 | 1.7998 | 1.7466 | 1.6291 | 1.7862 | 1.2030 | 0.5552 | |
| | 1.4855 | 1.5019 | 1.5977 | 1.7511 | 1.5805 | 2.1613 | 4.5951 | |
| 14 | 1.9005 | 1.8896 | 1.8622 | 1.7057 | 1.0544 | 0.5568 | | |
| | 1.4083 | 1.4237 | 1.4854 | 1.6622 | 2.4687 | 4.5821 | | |
| 15 | 0.8944 | 0.7973 | 0.8437 | 0.7186 | F-SUB-Q | | | |
| | 2.7114 | 3.0666 | 2.9265 | 3.5724 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7170 | 1.5894 | 1.5740 | 1.5774 | 1.8335 | 1.7733 | 1.8596 | 0.8856 |
| | 1.7817 | 1.9205 | 1.9335 | 1.8594 | 1.5676 | 1.5961 | 1.5157 | 2.8807 |
| 9 | 1.5894 | 1.8201 | 1.8092 | 1.7900 | 1.6501 | 1.7624 | 1.8483 | 0.8788 |
| | 1.9205 | 1.6718 | 1.6716 | 1.6456 | 1.7535 | 1.6160 | 1.5328 | 2.9073 |
| 10 | 1.5740 | 1.8098 | 1.5454 | 1.4984 | 1.6877 | 1.7037 | 1.8106 | 0.7485 |
| | 1.9335 | 1.6712 | 1.9610 | 2.0108 | 1.7577 | 1.7263 | 1.6089 | 3.5237 |
| 11 | 1.5774 | 1.7907 | 1.5000 | 1.7245 | 1.4366 | 1.5842 | 1.6519 | 0.6954 |
| | 1.8594 | 1.6449 | 2.0086 | 1.7361 | 2.0768 | 1.8712 | 1.7731 | 3.8159 |
| 12 | 1.8335 | 1.6516 | 1.6920 | 1.4377 | 1.6285 | 1.7440 | 1.0432 | |
| | 1.5676 | 1.7521 | 1.7530 | 2.0752 | 1.8136 | 1.6892 | 2.5947 | |
| 13 | 1.7733 | 1.7647 | 1.7131 | 1.5904 | 1.7482 | 1.1934 | 0.5517 | |
| | 1.5961 | 1.6140 | 1.7166 | 1.8635 | 1.6852 | 2.2747 | 4.8190 | |
| 14 | 1.8596 | 1.8492 | 1.8251 | 1.6710 | 1.0508 | 0.5533 | | |
| | 1.5157 | 1.5322 | 1.5961 | 1.7521 | 2.5757 | 4.8051 | | |
| 15 | 0.8856 | 0.7989 | 0.8402 | 0.7165 | F-SUB-Q | | | |
| | 2.8807 | 3.2201 | 3.0920 | 3.7065 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7197 | 1.5805 | 1.5656 | 1.5701 | 1.8372 | 1.7743 | 1.8709 | 0.8700 |
| | 1.8590 | 2.0212 | 2.0358 | 1.9833 | 1.6584 | 1.6886 | 1.5939 | 3.0980 |
| 9 | 1.5805 | 1.8204 | 1.8058 | 1.7911 | 1.6445 | 1.7633 | 1.8594 | 0.8621 |
| | 2.0212 | 1.7494 | 1.7548 | 1.7407 | 1.8664 | 1.7092 | 1.6116 | 3.1343 |
| 10 | 1.5656 | 1.8064 | 1.5368 | 1.4888 | 1.6938 | 1.7047 | 1.8215 | 0.7291 |
| | 2.0358 | 1.7543 | 2.0651 | 2.1172 | 1.8304 | 1.8010 | 1.6762 | 3.8185 |
| 11 | 1.5701 | 1.7918 | 1.4906 | 1.7257 | 1.4302 | 1.5907 | 1.6610 | 0.6790 |
| | 1.9833 | 1.7400 | 2.1147 | 1.8079 | 2.1675 | 1.9370 | 1.8352 | 4.0688 |
| 12 | 1.8372 | 1.6461 | 1.6983 | 1.4313 | 1.6289 | 1.7525 | 1.0213 | |
| | 1.6584 | 1.8646 | 1.8258 | 2.1659 | 1.8866 | 1.7480 | 2.7474 | |
| 13 | 1.7743 | 1.7658 | 1.7144 | 1.5970 | 1.7569 | 1.1734 | 0.5376 | |
| | 1.6886 | 1.7069 | 1.7901 | 1.9303 | 1.7438 | 2.4104 | 5.1335 | |
| 14 | 1.8709 | 1.8605 | 1.8366 | 1.6805 | 1.0289 | 0.5393 | | |
| | 1.5939 | 1.6109 | 1.6629 | 1.8132 | 2.7272 | 5.1183 | | |
| 15 | 0.8700 | 0.7781 | 0.8232 | 0.6997 | F-SUB-Q | | | |
| | 3.0980 | 3.4922 | 3.3318 | 3.9524 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6943 | 1.5537 | 1.5399 | 1.5452 | 1.8134 | 1.7523 | 1.8511 | 0.8557 |
| | 1.8619 | 2.0242 | 2.0392 | 2.0245 | 1.7286 | 1.7931 | 1.6966 | 3.3343 |
| 9 | 1.5537 | 1.7939 | 1.7796 | 1.7658 | 1.6198 | 1.7415 | 1.8398 | 0.8484 |
| | 2.0242 | 1.7535 | 1.7664 | 1.7772 | 1.9358 | 1.8063 | 1.7090 | 3.3695 |
| 10 | 1.5399 | 1.7803 | 1.5106 | 1.4640 | 1.6714 | 1.6840 | 1.8033 | 0.7181 |
| | 2.0392 | 1.7657 | 2.0785 | 2.1441 | 1.8837 | 1.8754 | 1.7510 | 4.0475 |
| 11 | 1.5452 | 1.7666 | 1.4658 | 1.7016 | 1.4081 | 1.5708 | 1.6439 | 0.6681 |
| | 2.0245 | 1.7764 | 2.1415 | 1.8545 | 2.2574 | 2.0181 | 1.9280 | 4.3119 |
| 12 | 1.8134 | 1.6214 | 1.6760 | 1.4092 | 1.6082 | 1.7332 | 1.0066 | |
| | 1.7286 | 1.9339 | 1.8787 | 2.2541 | 1.9960 | 1.8472 | 2.9133 | |
| 13 | 1.7523 | 1.7442 | 1.6942 | 1.5772 | 1.7376 | 1.1560 | 0.5277 | |
| | 1.7931 | 1.8037 | 1.8648 | 2.0100 | 1.8427 | 2.5545 | 5.4532 | |
| 14 | 1.8511 | 1.8411 | 1.8189 | 1.6636 | 1.0142 | 0.5293 | | |
| | 1.6966 | 1.7079 | 1.7369 | 1.9055 | 2.8919 | 5.4373 | | |
| 15 | 0.8557 | 0.7667 | 0.8110 | 0.6886 | F-SUB-Q | | | |
| | 3.3343 | 3.7519 | 3.5320 | 4.1876 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6444 | 1.5118 | 1.4989 | 1.5049 | 1.7662 | 1.7113 | 1.8052 | 0.8419 |
| | 1.8672 | 2.0245 | 2.0383 | 2.0219 | 1.7262 | 1.7855 | 1.6917 | 3.3037 |
| 9 | 1.5118 | 1.7444 | 1.7331 | 1.7175 | 1.5781 | 1.7003 | 1.7940 | 0.8359 |
| | 2.0245 | 1.7553 | 1.7650 | 1.7786 | 1.9327 | 1.8005 | 1.7052 | 3.3296 |
| 10 | 1.4989 | 1.7339 | 1.4701 | 1.4261 | 1.6251 | 1.6445 | 1.7607 | 0.7122 |
| | 2.0383 | 1.7642 | 2.0784 | 2.1422 | 1.8870 | 1.8710 | 1.7477 | 3.9746 |
| 11 | 1.5049 | 1.7184 | 1.4279 | 1.6560 | 1.3719 | 1.5281 | 1.6042 | 0.6609 |
| | 2.0219 | 1.7780 | 2.1395 | 1.8593 | 2.2585 | 2.0223 | 1.9261 | 4.2458 |
| 12 | 1.7662 | 1.5797 | 1.6297 | 1.3730 | 1.5693 | 1.6905 | 0.9951 | |
| | 1.7262 | 1.9310 | 1.8817 | 2.2552 | 2.0001 | 1.8537 | 2.8766 | |
| 13 | 1.7113 | 1.7031 | 1.6551 | 1.5345 | 1.6949 | 1.1389 | 0.5203 | |
| | 1.7855 | 1.7977 | 1.8599 | 2.0140 | 1.8489 | 2.5474 | 5.4648 | |
| 14 | 1.8052 | 1.7954 | 1.7763 | 1.6238 | 1.0027 | 0.5219 | | |
| | 1.6917 | 1.7040 | 1.7331 | 1.9033 | 2.8543 | 5.4474 | | |
| 15 | 0.8419 | 0.7608 | 0.8017 | 0.6815 | F-SUB-Q | | | |
| | 3.3037 | 3.6819 | 3.4800 | 4.1217 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6354 | 1.4930 | 1.4811 | 1.4875 | 1.7567 | 1.7004 | 1.8035 | 0.8216 |
| | 1.7973 | 1.9595 | 1.9713 | 1.9561 | 1.6651 | 1.7232 | 1.6227 | 3.2187 |
| 9 | 1.4930 | 1.7323 | 1.7183 | 1.7063 | 1.5621 | 1.6898 | 1.7926 | 0.8153 |
| | 1.9595 | 1.6928 | 1.7070 | 1.7106 | 1.8723 | 1.7420 | 1.6389 | 3.2457 |
| 10 | 1.4811 | 1.7191 | 1.4517 | 1.4072 | 1.6191 | 1.6350 | 1.7591 | 0.6898 |
| | 1.9713 | 1.7062 | 2.0089 | 2.0681 | 1.8121 | 1.8086 | 1.6804 | 3.8779 |
| 11 | 1.4875 | 1.7071 | 1.4091 | 1.6454 | 1.3567 | 1.5236 | 1.6024 | 0.6415 |
| | 1.9561 | 1.7099 | 2.0656 | 1.7829 | 2.1799 | 1.9378 | 1.8453 | 4.1243 |
| 12 | 1.7567 | 1.5638 | 1.6239 | 1.3578 | 1.5593 | 1.6869 | 0.9682 | |
| | 1.6651 | 1.8705 | 1.8073 | 2.1768 | 1.9338 | 1.7798 | 2.8027 | |
| 13 | 1.7004 | 1.6928 | 1.6462 | 1.5301 | 1.6914 | 1.1130 | 0.5040 | |
| | 1.7232 | 1.7392 | 1.7976 | 1.9302 | 1.7753 | 2.4808 | 5.2985 | |
| 14 | 1.8035 | 1.7942 | 1.7754 | 1.6223 | 0.9757 | 0.5056 | | |
| | 1.6227 | 1.6376 | 1.6669 | 1.8242 | 2.7817 | 5.2823 | | |
| 15 | 0.8216 | 0.7362 | 0.7807 | 0.6616 | F-SUB-Q | | | |
| | 3.2187 | 3.6133 | 3.3794 | 4.0070 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6068 | 1.4628 | 1.4515 | 1.4588 | 1.7283 | 1.6740 | 1.7800 | 0.8029 |
| | 1.6544 | 1.8099 | 1.8213 | 1.8100 | 1.5394 | 1.5978 | 1.5002 | 2.9923 |
| 9 | 1.4628 | 1.7019 | 1.6872 | 1.6775 | 1.5328 | 1.6632 | 1.7692 | 0.7969 |
| | 1.8099 | 1.5597 | 1.5751 | 1.5781 | 1.7332 | 1.6115 | 1.5128 | 3.0180 |
| 10 | 1.4515 | 1.6881 | 1.4223 | 1.3787 | 1.5932 | 1.6102 | 1.7373 | 0.6732 |
| | 1.8213 | 1.5743 | 1.8576 | 1.9129 | 1.6711 | 1.6665 | 1.5444 | 3.6139 |
| 11 | 1.4588 | 1.6783 | 1.3806 | 1.6171 | 1.3307 | 1.5014 | 1.5818 | 0.6264 |
| | 1.8100 | 1.5774 | 1.9104 | 1.6416 | 2.0097 | 1.7807 | 1.6934 | 3.8336 |
| 12 | 1.7283 | 1.5345 | 1.5980 | 1.3318 | 1.5347 | 1.6641 | 0.9465 | |
| | 1.5394 | 1.7315 | 1.6666 | 2.0067 | 1.7791 | 1.6337 | 2.5947 | |
| 13 | 1.6740 | 1.6663 | 1.6214 | 1.5076 | 1.6686 | 1.0893 | 0.4908 | |
| | 1.5978 | 1.6088 | 1.6559 | 1.7735 | 1.6295 | 2.2955 | 4.9285 | |
| 14 | 1.7800 | 1.7709 | 1.7539 | 1.6018 | 0.9540 | 0.4923 | | |
| | 1.5002 | 1.5116 | 1.5317 | 1.6737 | 2.5750 | 4.9132 | | |
| 15 | 0.8029 | 0.7174 | 0.7634 | 0.6462 | F-SUB-Q | | | |
| | 2.9923 | 3.3670 | 3.1430 | 3.7237 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5696 | 1.4273 | 1.4171 | 1.4245 | 1.6913 | 1.6392 | 1.7448 | 0.7856 |
| | 1.5479 | 1.6959 | 1.7065 | 1.6922 | 1.4358 | 1.4908 | 1.3986 | 2.7994 |
| 9 | 1.4273 | 1.6635 | 1.6496 | 1.6399 | 1.4976 | 1.6287 | 1.7343 | 0.7801 |
| | 1.6959 | 1.4587 | 1.4739 | 1.4747 | 1.6196 | 1.5026 | 1.4094 | 2.8194 |
| 10 | 1.4171 | 1.6505 | 1.3878 | 1.3459 | 1.5582 | 1.5774 | 1.7040 | 0.6605 |
| | 1.7065 | 1.4732 | 1.7417 | 1.7930 | 1.5648 | 1.5578 | 1.4417 | 3.3772 |
| 11 | 1.4245 | 1.6408 | 1.3478 | 1.5820 | 1.3000 | 1.4700 | 1.5511 | 0.6138 |
| | 1.6922 | 1.4741 | 1.7905 | 1.5354 | 1.8802 | 1.6636 | 1.5797 | 3.5862 |
| 12 | 1.6913 | 1.4993 | 1.5631 | 1.3012 | 1.5035 | 1.6310 | 0.9287 | |
| | 1.4358 | 1.6180 | 1.5604 | 1.8774 | 1.6562 | 1.5189 | 2.4158 | |
| 13 | 1.6392 | 1.6318 | 1.5887 | 1.4780 | 1.6356 | 1.0674 | 0.4801 | |
| | 1.4908 | 1.5000 | 1.5476 | 1.6571 | 1.5149 | 2.1347 | 4.5988 | |
| 14 | 1.7448 | 1.7362 | 1.7208 | 1.5711 | 0.9361 | 0.4816 | | |
| | 1.3986 | 1.4081 | 1.4290 | 1.5610 | 2.3972 | 4.5844 | | |
| 15 | 0.7856 | 0.7057 | 0.7487 | 0.6333 | F-SUB-Q | | | |
| | 2.7994 | 3.1320 | 2.9381 | 3.4824 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5193 | 1.3850 | 1.3754 | 1.3832 | 1.6415 | 1.5941 | 1.6943 | 0.7699 |
| | 1.5906 | 1.7380 | 1.7458 | 1.7309 | 1.4707 | 1.5249 | 1.4329 | 2.8475 |
| 9 | 1.3850 | 1.6131 | 1.6015 | 1.5902 | 1.4540 | 1.5834 | 1.6839 | 0.7651 |
| | 1.7380 | 1.4959 | 1.5058 | 1.5118 | 1.6569 | 1.5360 | 1.4432 | 2.8614 |
| 10 | 1.3754 | 1.6024 | 1.3467 | 1.3074 | 1.5097 | 1.5340 | 1.6565 | 0.6520 |
| | 1.7458 | 1.5050 | 1.7820 | 1.8332 | 1.6054 | 1.5928 | 1.4740 | 3.4000 |
| 11 | 1.3832 | 1.5911 | 1.3093 | 1.5348 | 1.2626 | 1.4262 | 1.5073 | 0.6047 |
| | 1.7309 | 1.5111 | 1.8307 | 1.5790 | 1.9283 | 1.7101 | 1.6202 | 3.6321 |
| 12 | 1.6415 | 1.4557 | 1.5145 | 1.2637 | 1.4628 | 1.5847 | 0.9148 | |
| | 1.4707 | 1.6556 | 1.6007 | 1.9256 | 1.6919 | 1.5528 | 2.4423 | |
| 13 | 1.5941 | 1.5866 | 1.5452 | 1.4355 | 1.5892 | 1.0479 | 0.4717 | |
| | 1.5249 | 1.5332 | 1.5821 | 1.7028 | 1.5487 | 2.1598 | 4.6616 | |
| 14 | 1.6943 | 1.6859 | 1.6732 | 1.5273 | 0.9222 | 0.4733 | | |
| | 1.4329 | 1.4417 | 1.4610 | 1.6006 | 2.4234 | 4.6468 | | |
| 15 | 0.7699 | 0.6974 | 0.7368 | 0.6242 | F-SUB-Q | | | |
| | 2.8475 | 3.1585 | 2.9670 | 3.5256 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5091 | 1.3652 | 1.3564 | 1.3642 | 1.6289 | 1.5784 | 1.6875 | 0.7473 |
| | 1.4794 | 1.6307 | 1.6392 | 1.6296 | 1.3769 | 1.4311 | 1.3371 | 2.7309 |
| 9 | 1.3652 | 1.5994 | 1.5847 | 1.5794 | 1.4356 | 1.5682 | 1.6773 | 0.7426 |
| | 1.6307 | 1.3956 | 1.4103 | 1.4117 | 1.5592 | 1.4405 | 1.3460 | 2.7446 |
| 10 | 1.3564 | 1.5856 | 1.3274 | 1.2874 | 1.5011 | 1.5200 | 1.6492 | 0.6272 |
| | 1.6392 | 1.4095 | 1.6750 | 1.7251 | 1.4969 | 1.4892 | 1.3715 | 3.2837 |
| 11 | 1.3642 | 1.5803 | 1.2894 | 1.5223 | 1.2457 | 1.4195 | 1.5002 | 0.5833 |
| | 1.6296 | 1.4110 | 1.7226 | 1.4708 | 1.8116 | 1.5940 | 1.5078 | 3.4892 |
| 12 | 1.6289 | 1.4373 | 1.5059 | 1.2468 | 1.4505 | 1.5769 | 0.8846 | |
| | 1.3769 | 1.5575 | 1.4925 | 1.8094 | 1.5785 | 1.4468 | 2.3476 | |
| 13 | 1.5784 | 1.5715 | 1.5313 | 1.4294 | 1.5814 | 1.0191 | 0.4547 | |
| | 1.4311 | 1.4378 | 1.4790 | 1.5843 | 1.4429 | 2.0605 | 4.4988 | |
| 14 | 1.6875 | 1.6796 | 1.6663 | 1.5204 | 0.8918 | 0.4561 | | |
| | 1.3371 | 1.3446 | 1.3590 | 1.4892 | 2.3290 | 4.4845 | | |
| 15 | 0.7473 | 0.6690 | 0.7132 | 0.6021 | F-SUB-Q | | | |
| | 2.7309 | 3.0650 | 2.8478 | 3.3867 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4740 | 1.3325 | 1.3244 | 1.3320 | 1.5926 | 1.5443 | 1.6517 | 0.7280 |
| | 1.4155 | 1.5643 | 1.5730 | 1.5663 | 1.3214 | 1.3726 | 1.2819 | 2.6367 |
| 9 | 1.3325 | 1.5625 | 1.5493 | 1.5439 | 1.4024 | 1.5341 | 1.6417 | 0.7234 |
| | 1.5643 | 1.3374 | 1.3516 | 1.3548 | 1.4974 | 1.3811 | 1.2901 | 2.6481 |
| 10 | 1.3244 | 1.5502 | 1.2962 | 1.2570 | 1.4681 | 1.4871 | 1.6146 | 0.6108 |
| | 1.5730 | 1.3507 | 1.6078 | 1.6561 | 1.4345 | 1.4252 | 1.3120 | 3.1664 |
| 11 | 1.3320 | 1.5448 | 1.2590 | 1.4884 | 1.2170 | 1.3890 | 1.4675 | 0.5679 |
| | 1.5663 | 1.3541 | 1.6537 | 1.4071 | 1.7281 | 1.5227 | 1.4408 | 3.3586 |
| 12 | 1.5926 | 1.4041 | 1.4729 | 1.2181 | 1.4206 | 1.5438 | 0.8623 | |
| | 1.3214 | 1.4958 | 1.4302 | 1.7267 | 1.4983 | 1.3759 | 2.2474 | |
| 13 | 1.5443 | 1.5374 | 1.4983 | 1.3986 | 1.5483 | 0.9948 | 0.4425 | |
| | 1.3726 | 1.3785 | 1.4153 | 1.5137 | 1.3722 | 1.9662 | 4.3144 | |
| 14 | 1.6517 | 1.6440 | 1.6314 | 1.4877 | 0.8693 | 0.4440 | | |
| | 1.2819 | 1.2884 | 1.2992 | 1.4223 | 2.2296 | 4.3006 | | |
| 15 | 0.7280 | 0.6515 | 0.6952 | 0.5863 | F-SUB-Q | | | |
| | 2.6367 | 2.9593 | 2.7435 | 3.2592 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4095 | 1.2843 | 1.2769 | 1.2839 | 1.5272 | 1.4877 | 1.5806 | 0.7110 |
| | 1.4011 | 1.5370 | 1.5457 | 1.5405 | 1.3059 | 1.3498 | 1.2693 | 2.5638 |
| 9 | 1.2843 | 1.4968 | 1.4919 | 1.4779 | 1.3526 | 1.4781 | 1.5712 | 0.7072 |
| | 1.5370 | 1.3218 | 1.3294 | 1.3400 | 1.4715 | 1.3579 | 1.2770 | 2.5735 |
| 10 | 1.2769 | 1.4929 | 1.2502 | 1.2137 | 1.4066 | 1.4330 | 1.5462 | 0.6024 |
| | 1.5457 | 1.3286 | 1.5794 | 1.6252 | 1.4181 | 1.3997 | 1.2962 | 3.0465 |
| 11 | 1.2839 | 1.4786 | 1.2156 | 1.4291 | 1.1756 | 1.3301 | 1.4042 | 0.5584 |
| | 1.5405 | 1.3393 | 1.6228 | 1.3895 | 1.6895 | 1.5013 | 1.4235 | 3.2375 |
| 12 | 1.5272 | 1.3542 | 1.4112 | 1.1767 | 1.3690 | 1.4798 | 0.8475 | |
| | 1.3059 | 1.4699 | 1.4139 | 1.6881 | 1.4633 | 1.3521 | 2.1602 | |
| 13 | 1.4877 | 1.4813 | 1.4437 | 1.3382 | 1.4841 | 0.9741 | 0.4357 | |
| | 1.3498 | 1.3552 | 1.3899 | 1.4956 | 1.3484 | 1.8922 | 4.1393 | |
| 14 | 1.5806 | 1.5735 | 1.5624 | 1.4233 | 0.8544 | 0.4371 | | |
| | 1.2693 | 1.2753 | 1.2832 | 1.4049 | 2.1430 | 4.1261 | | |
| 15 | 0.7110 | 0.6445 | 0.6824 | 0.5767 | F-SUB-Q | | | |
| | 2.5638 | 2.8413 | 2.6519 | 3.1403 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3787 | 1.2549 | 1.2463 | 1.2555 | 1.4882 | 1.4538 | 1.5411 | 0.6856 |
| | 1.3702 | 1.5051 | 1.5156 | 1.5080 | 1.2823 | 1.3212 | 1.2454 | 2.5491 |
| 9 | 1.2549 | 1.4555 | 1.4571 | 1.4444 | 1.3241 | 1.4449 | 1.5319 | 0.6812 |
| | 1.5051 | 1.3004 | 1.3019 | 1.3134 | 1.4382 | 1.3282 | 1.2525 | 2.5594 |
| 10 | 1.2463 | 1.4580 | 1.2211 | 1.1863 | 1.3790 | 1.4029 | 1.5071 | 0.5749 |
| | 1.5156 | 1.3010 | 1.5479 | 1.5921 | 1.3836 | 1.3662 | 1.2709 | 3.0591 |
| 11 | 1.2555 | 1.4452 | 1.1882 | 1.3970 | 1.1537 | 1.3022 | 1.3689 | 0.5343 |
| | 1.5080 | 1.3128 | 1.5897 | 1.3564 | 1.6445 | 1.4641 | 1.3950 | 3.2405 |
| 12 | 1.4882 | 1.3257 | 1.3835 | 1.1547 | 1.3399 | 1.4451 | 0.8132 | |
| | 1.2823 | 1.4367 | 1.3795 | 1.6431 | 1.4256 | 1.3206 | 2.1513 | |
| 13 | 1.4538 | 1.4479 | 1.4133 | 1.3073 | 1.4492 | 0.9380 | 0.4177 | |
| | 1.3212 | 1.3257 | 1.3567 | 1.4578 | 1.3170 | 1.8753 | 4.1294 | |
| 14 | 1.5411 | 1.5341 | 1.5231 | 1.3873 | 0.8198 | 0.4190 | | |
| | 1.2454 | 1.2509 | 1.2577 | 1.3768 | 2.1343 | 4.1164 | | |
| 15 | 0.6856 | 0.6145 | 0.6553 | 0.5517 | F-SUB-Q | | | |
| | 2.5491 | 2.8567 | 2.6460 | 3.1437 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3108 | 1.1955 | 1.1686 | 1.1966 | 1.4052 | 1.3657 | 1.4392 | 0.6586 |
| | 1.3912 | 1.5241 | 1.5615 | 1.5279 | 1.3084 | 1.3573 | 1.2870 | 2.5678 |
| 9 | 1.1955 | 1.3722 | 1.3666 | 1.3658 | 1.2598 | 1.3570 | 1.4305 | 0.6545 |
| | 1.5241 | 1.3312 | 1.3400 | 1.3410 | 1.4549 | 1.3647 | 1.2945 | 2.5774 |
| 10 | 1.1686 | 1.3676 | 1.1433 | 1.1317 | 1.3019 | 1.3233 | 1.4105 | 0.5485 |
| | 1.5615 | 1.3391 | 1.5971 | 1.6141 | 1.4147 | 1.3974 | 1.3094 | 3.1023 |
| 11 | 1.1966 | 1.3665 | 1.1336 | 1.3333 | 1.1049 | 1.2445 | 1.2946 | 0.5089 |
| | 1.5279 | 1.3403 | 1.6116 | 1.3749 | 1.6554 | 1.4767 | 1.4220 | 3.2917 |
| 12 | 1.4052 | 1.2608 | 1.3060 | 1.1067 | 1.2652 | 1.3566 | 0.7832 | |
| | 1.3084 | 1.4538 | 1.4105 | 1.6528 | 1.4549 | 1.3560 | 2.1573 | |
| 13 | 1.3657 | 1.3597 | 1.3330 | 1.2502 | 1.3606 | 0.8847 | 0.3947 | |
| | 1.3573 | 1.3623 | 1.3878 | 1.4704 | 1.3523 | 1.9195 | 4.2284 | |
| 14 | 1.4392 | 1.4323 | 1.4259 | 1.3110 | 0.7894 | 0.3960 | | |
| | 1.2870 | 1.2931 | 1.2959 | 1.4049 | 2.1405 | 4.2151 | | |
| 15 | 0.6586 | 0.5887 | 0.6270 | 0.5250 | F-SUB-Q | | | |
| | 2.5678 | 2.8858 | 2.6756 | 3.1961 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 75% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3233 | 1.0300 | 0.9594 | 1.0225 | 1.3689 | 1.1300 | 1.3121 | 0.5728 |
| | 1.3390 | 1.7207 | 1.8514 | 1.7399 | 1.3047 | 1.5948 | 1.3716 | 2.8812 |
| 9 | 1.0300 | 1.3307 | 1.1446 | 1.3441 | 1.0854 | 1.1219 | 1.3034 | 0.5730 |
| | 1.7207 | 1.3340 | 1.5556 | 1.3245 | 1.6433 | 1.6055 | 1.3805 | 2.8727 |
| 10 | 0.9594 | 1.1455 | 0.9350 | 0.9797 | 1.2996 | 1.1013 | 1.2650 | 0.4764 |
| | 1.8514 | 1.5545 | 1.9014 | 1.8138 | 1.3722 | 1.6325 | 1.4201 | 3.4867 |
| 11 | 1.0225 | 1.3450 | 0.9812 | 1.3102 | 0.9611 | 1.2518 | 1.1597 | 0.4400 |
| | 1.7399 | 1.3236 | 1.8111 | 1.3593 | 1.8519 | 1.4282 | 1.5442 | 3.7170 |
| 12 | 1.3689 | 1.0861 | 1.3034 | 0.9640 | 1.0593 | 1.2051 | 0.6971 | |
| | 1.3047 | 1.6422 | 1.3696 | 1.8485 | 1.6900 | 1.4844 | 2.3619 | |
| 13 | 1.1300 | 1.1241 | 1.1091 | 1.2587 | 1.2092 | 0.7481 | 0.3325 | |
| | 1.5948 | 1.6027 | 1.6216 | 1.4207 | 1.4796 | 2.2118 | 4.9030 | |
| 14 | 1.3121 | 1.3045 | 1.2779 | 1.1736 | 0.7025 | 0.3336 | | |
| | 1.3716 | 1.3795 | 1.4063 | 1.5266 | 2.3440 | 4.8875 | | |
| 15 | 0.5728 | 0.5144 | 0.5448 | 0.4525 | F-SUB-Q | | | |
| | 2.8812 | 3.2232 | 3.0045 | 3.6199 | M-SUB-Q | | | |

AT 75% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.5217 | 0.4441 | 0.4139 | 0.4483 | 0.5311 | 0.4471 | 0.4711 | 0.2406 |
| | 3.3124 | 3.8980 | 4.1912 | 3.8784 | 3.2784 | 3.9126 | 3.7272 | 6.7130 |
| 9 | 0.4441 | 0.5148 | 0.4514 | 0.5180 | 0.4619 | 0.4372 | 0.4676 | 0.2402 |
| | 3.8980 | 3.3631 | 3.8469 | 3.3526 | 3.7705 | 4.0142 | 3.7535 | 6.7109 |
| 10 | 0.4139 | 0.4517 | 0.4037 | 0.4328 | 0.5086 | 0.4353 | 0.4514 | 0.2170 |
| | 4.1912 | 3.8443 | 4.3007 | 4.0163 | 3.4207 | 4.0123 | 3.8830 | 7.4920 |
| 11 | 0.4483 | 0.5184 | 0.4335 | 0.4934 | 0.4250 | 0.4819 | 0.4170 | 0.1896 |
| | 3.8784 | 3.3501 | 4.0101 | 3.5207 | 4.0945 | 3.6215 | 4.1933 | 8.4504 |
| 12 | 0.5311 | 0.4623 | 0.5099 | 0.4258 | 0.4117 | 0.4336 | 0.2906 | |
| | 3.2784 | 3.7679 | 3.4121 | 4.0870 | 4.2424 | 4.0272 | 5.5400 | |
| 13 | 0.4471 | 0.4380 | 0.4374 | 0.4845 | 0.4352 | 0.3031 | 0.1463 | |
| | 3.9126 | 4.0071 | 3.9939 | 3.6027 | 4.0133 | 5.3324 | *10.9189 | |
| 14 | 0.4711 | 0.4681 | 0.4557 | 0.4218 | 0.2928 | 0.1468 | | |
| | 3.7272 | 3.7500 | 3.8473 | 4.1470 | 5.4980 | *10.8836 | | |
| 15 | 0.2406 | 0.2303 | 0.2293 | 0.1953 | F-SUB-Q | | | |
| | 6.7130 | 7.0478 | 6.9875 | 8.2117 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6061 | 0.6013 | 0.5911 | 0.6341 | 0.7371 | 0.6319 | 0.6332 | 0.3343 |
| | 4.0166 | 4.6912 | 4.7406 | 4.2576 | 3.6373 | 4.2456 | 4.2535 | 7.3290 |
| 9 | 0.6013 | 0.7097 | 0.6349 | 0.7236 | 0.6535 | 0.6165 | 0.6279 | 0.3332 |
| | 4.6912 | 4.1408 | 4.4113 | 3.7664 | 4.1265 | 4.3774 | 4.3151 | 7.3580 |
| 10 | 0.5911 | 0.6351 | 0.5796 | 0.6106 | 0.7032 | 0.6055 | 0.5986 | 0.2949 |
| | 4.7406 | 4.4097 | 4.9360 | 4.5480 | 3.9750 | 4.6061 | 4.5972 | 8.4809 |
| 11 | 0.6341 | 0.7240 | 0.6113 | 0.6716 | 0.5876 | 0.6402 | 0.5534 | 0.2607 |
| | 4.2576 | 3.7645 | 4.5426 | 4.2995 | 4.9054 | 4.4527 | 5.2136 | 9.8018 |
| 12 | 0.7371 | 0.6538 | 0.7042 | 0.5882 | 0.5242 | 0.5440 | 0.3841 | |
| | 3.6373 | 4.1242 | 3.9686 | 4.8988 | 4.9832 | 4.8722 | 6.6683 | |
| 13 | 0.6319 | 0.6170 | 0.6072 | 0.6430 | 0.5456 | 0.3834 | 0.2022 | |
| | 4.2456 | 4.3731 | 4.5917 | 4.4363 | 4.8594 | 6.1958 | *12.1444 | |
| 14 | 0.6332 | 0.6275 | 0.6027 | 0.5582 | 0.3867 | 0.2028 | | |
| | 4.2535 | 4.3182 | 4.5656 | 5.1650 | 6.6263 | *12.1125 | | |
| 15 | 0.3343 | 0.3123 | 0.3123 | 0.2679 | F-SUB-Q | | | |
| | 7.3290 | 7.9019 | 7.8888 | 9.5367 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6543 | 1.3830 | 1.3235 | 1.4010 | 1.7878 | 1.5181 | 1.6547 | 0.7952 |
| | 1.7318 | 2.1533 | 2.1899 | 1.9974 | 1.5547 | 1.8305 | 1.6881 | 3.1949 |
| 9 | 1.3830 | 1.7411 | 1.5384 | 1.7636 | 1.4775 | 1.4876 | 1.6418 | 0.7907 |
| | 2.1533 | 1.7326 | 1.8806 | 1.5976 | 1.8911 | 1.8767 | 1.6999 | 3.2095 |
| 10 | 1.3235 | 1.5387 | 1.3020 | 1.3425 | 1.7018 | 1.4531 | 1.5747 | 0.6572 |
| | 2.1899 | 1.8802 | 2.2667 | 2.1480 | 1.6988 | 1.9875 | 1.8086 | 3.9329 |
| 11 | 1.4010 | 1.7644 | 1.3437 | 1.6937 | 1.2941 | 1.5780 | 1.4356 | 0.6083 |
| | 1.9974 | 1.5969 | 2.1458 | 1.7673 | 2.2930 | 1.8713 | 2.0654 | 4.3520 |
| 12 | 1.7878 | 1.4783 | 1.7041 | 1.2959 | 1.3102 | 1.4703 | 0.9262 | |
| | 1.5547 | 1.8901 | 1.6963 | 2.2901 | 2.0940 | 1.9155 | 2.8692 | |
| 13 | 1.5181 | 1.4889 | 1.4575 | 1.5846 | 1.4745 | 0.9869 | 0.4697 | |
| | 1.8305 | 1.8752 | 1.9811 | 1.8642 | 1.9109 | 2.5817 | 5.4433 | |
| 14 | 1.6547 | 1.6402 | 1.5858 | 1.4496 | 0.9324 | 0.4710 | | |
| | 1.6881 | 1.7014 | 1.7956 | 2.0464 | 2.8512 | 5.4293 | | |
| 15 | 0.7952 | 0.7074 | 0.7411 | 0.6241 | F-SUB-Q | | | |
| | 3.1949 | 3.6154 | 3.4359 | 4.2422 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6959 | 1.6241 | 1.5966 | 1.6261 | 1.8214 | 1.7948 | 1.8017 | 0.9247 |
| | 1.8301 | 1.9257 | 1.8623 | 1.7638 | 1.5600 | 1.5820 | 1.5688 | 2.7800 |
| 9 | 1.6241 | 1.7928 | 1.8142 | 1.7733 | 1.7016 | 1.7758 | 1.7901 | 0.9150 |
| | 1.9257 | 1.7257 | 1.6328 | 1.6231 | 1.6804 | 1.6060 | 1.5853 | 2.8104 |
| 10 | 1.5966 | 1.8144 | 1.5751 | 1.5445 | 1.6816 | 1.7049 | 1.7401 | 0.7704 |
| | 1.8623 | 1.6326 | 1.8972 | 1.9159 | 1.7431 | 1.7179 | 1.6698 | 3.4284 |
| 11 | 1.6261 | 1.7739 | 1.5460 | 1.7213 | 1.4871 | 1.5719 | 1.5873 | 0.7125 |
| | 1.7638 | 1.6225 | 1.9139 | 1.7859 | 2.0361 | 1.9330 | 1.9222 | 3.8109 |
| 12 | 1.8214 | 1.7026 | 1.6852 | 1.4889 | 1.6148 | 1.6674 | 1.0635 | |
| | 1.5600 | 1.6790 | 1.7392 | 2.0347 | 1.8077 | 1.7555 | 2.5720 | |
| 13 | 1.7948 | 1.7773 | 1.7128 | 1.5773 | 1.6712 | 1.1947 | 0.5690 | |
| | 1.5820 | 1.6046 | 1.7097 | 1.9284 | 1.7519 | 2.2355 | 4.6394 | |
| 14 | 1.8017 | 1.7895 | 1.7516 | 1.6042 | 1.0708 | 0.5706 | | |
| | 1.5688 | 1.5858 | 1.6611 | 1.9030 | 2.5552 | 4.6274 | | |
| 15 | 0.9247 | 0.8276 | 0.8642 | 0.7335 | F-SUB-Q | | | |
| | 2.7800 | 3.1272 | 3.0123 | 3.7011 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8301 | 1.7393 | 1.7204 | 1.7246 | 1.9641 | 1.9295 | 1.9702 | 0.9590 |
| | 1.7653 | 1.8752 | 1.7765 | 1.7092 | 1.4842 | 1.5057 | 1.4673 | 2.7407 |
| 9 | 1.7393 | 1.9409 | 1.9633 | 1.9121 | 1.8128 | 1.9142 | 1.9578 | 0.9462 |
| | 1.8752 | 1.6312 | 1.5496 | 1.5483 | 1.6163 | 1.5217 | 1.4839 | 2.7819 |
| 10 | 1.7204 | 1.9635 | 1.6973 | 1.6423 | 1.8150 | 1.8408 | 1.9007 | 0.7958 |
| | 1.7765 | 1.5495 | 1.8044 | 1.8525 | 1.6594 | 1.6333 | 1.5691 | 3.4071 |
| 11 | 1.7246 | 1.9126 | 1.6437 | 1.8444 | 1.5677 | 1.6812 | 1.7201 | 0.7392 |
| | 1.7092 | 1.5478 | 1.8508 | 1.7047 | 1.9788 | 1.8437 | 1.8284 | 3.7795 |
| 12 | 1.9641 | 1.8143 | 1.8191 | 1.5688 | 1.7496 | 1.8256 | 1.1024 | |
| | 1.4842 | 1.6150 | 1.6554 | 1.9774 | 1.7287 | 1.6603 | 2.5643 | |
| 13 | 1.9295 | 1.9155 | 1.8497 | 1.6872 | 1.8298 | 1.2729 | 0.5941 | |
| | 1.5057 | 1.5207 | 1.6250 | 1.8392 | 1.6568 | 2.1760 | 4.5981 | |
| 14 | 1.9702 | 1.9575 | 1.9141 | 1.7393 | 1.1103 | 0.5958 | | |
| | 1.4673 | 1.4841 | 1.5599 | 1.8063 | 2.5468 | 4.5859 | | |
| 15 | 0.9590 | 0.8496 | 0.8954 | 0.7618 | F-SUB-Q | | | |
| | 2.7407 | 3.1167 | 2.9837 | 3.6661 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8730 | 1.7632 | 1.7442 | 1.7471 | 2.0140 | 1.9633 | 2.0285 | 0.9705 |
| | 1.7983 | 1.9261 | 1.8098 | 1.7411 | 1.4947 | 1.5239 | 1.4712 | 2.7975 |
| 9 | 1.7632 | 1.9924 | 1.9995 | 1.9596 | 1.8361 | 1.9501 | 2.0153 | 0.9592 |
| | 1.9261 | 1.6423 | 1.5713 | 1.5630 | 1.6470 | 1.5430 | 1.4884 | 2.8343 |
| 10 | 1.7442 | 1.9997 | 1.7193 | 1.6602 | 1.8523 | 1.8756 | 1.9591 | 0.8091 |
| | 1.8098 | 1.5711 | 1.8426 | 1.8930 | 1.6780 | 1.6537 | 1.5730 | 3.4671 |
| 11 | 1.7471 | 1.9602 | 1.6617 | 1.8826 | 1.5844 | 1.7179 | 1.7725 | 0.7498 |
| | 1.7411 | 1.5623 | 1.8912 | 1.7299 | 2.0357 | 1.8661 | 1.8285 | 3.8406 |
| 12 | 2.0140 | 1.8376 | 1.8567 | 1.5855 | 1.7822 | 1.8800 | 1.1240 | |
| | 1.4947 | 1.6454 | 1.6736 | 2.0343 | 1.7647 | 1.6765 | 2.6151 | |
| 13 | 1.9633 | 1.9518 | 1.8852 | 1.7243 | 1.8846 | 1.2984 | 0.6004 | |
| | 1.5239 | 1.5418 | 1.6446 | 1.8614 | 1.6728 | 2.2205 | 4.7373 | |
| 14 | 2.0285 | 2.0153 | 1.9735 | 1.7927 | 1.1322 | 0.6022 | | |
| | 1.4712 | 1.4884 | 1.5615 | 1.8054 | 2.5969 | 4.7244 | | |
| 15 | 0.9705 | 0.8639 | 0.9089 | 0.7731 | F-SUB-Q | | | |
| | 2.7975 | 3.1671 | 3.0409 | 3.7224 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8702 | 1.7515 | 1.7327 | 1.7370 | 2.0140 | 1.9604 | 2.0348 | 0.9703 |
| | 1.8761 | 2.0030 | 1.8881 | 1.8150 | 1.5456 | 1.5761 | 1.5154 | 2.8950 |
| 9 | 1.7515 | 1.9906 | 1.9911 | 1.9577 | 1.8254 | 1.9468 | 2.0215 | 0.9608 |
| | 2.0030 | 1.7015 | 1.6339 | 1.6224 | 1.7138 | 1.5965 | 1.5330 | 2.9276 |
| 10 | 1.7327 | 1.9914 | 1.7055 | 1.6475 | 1.8477 | 1.8730 | 1.9685 | 0.8135 |
| | 1.8881 | 1.6337 | 1.9222 | 1.9746 | 1.7426 | 1.7131 | 1.6174 | 3.5622 |
| 11 | 1.7370 | 1.9583 | 1.6491 | 1.8801 | 1.5745 | 1.7178 | 1.7827 | 0.7522 |
| | 1.8150 | 1.6217 | 1.9726 | 1.8006 | 2.1424 | 1.9521 | 1.8854 | 3.9700 |
| 12 | 2.0140 | 1.8270 | 1.8523 | 1.5757 | 1.7783 | 1.8866 | 1.1298 | |
| | 1.5456 | 1.7123 | 1.7378 | 2.1408 | 1.8547 | 1.7519 | 2.7269 | |
| 13 | 1.9604 | 1.9488 | 1.8830 | 1.7244 | 1.8912 | 1.3011 | 0.5994 | |
| | 1.5761 | 1.5947 | 1.7034 | 1.9470 | 1.7478 | 2.3264 | 4.9840 | |
| 14 | 2.0348 | 2.0218 | 1.9836 | 1.8035 | 1.1382 | 0.6012 | | |
| | 1.5154 | 1.5327 | 1.6058 | 1.8612 | 2.7070 | 4.9701 | | |
| 15 | 0.9703 | 0.8688 | 0.9121 | 0.7756 | F-SUB-Q | | | |
| | 2.8950 | 3.2579 | 3.1292 | 3.8469 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8687 | 1.7384 | 1.7197 | 1.7258 | 2.0139 | 1.9581 | 2.0434 | 0.9595 |
| | 1.9389 | 2.0883 | 1.9974 | 1.9174 | 1.6190 | 1.6484 | 1.5757 | 3.0544 |
| 9 | 1.7384 | 1.9876 | 1.9821 | 1.9548 | 1.8150 | 1.9442 | 2.0300 | 0.9494 |
| | 2.0883 | 1.7884 | 1.7225 | 1.7023 | 1.8068 | 1.6707 | 1.5945 | 3.0917 |
| 10 | 1.7197 | 1.9825 | 1.6914 | 1.6345 | 1.8484 | 1.8715 | 1.9790 | 0.8020 |
| | 1.9974 | 1.7222 | 2.0347 | 2.0902 | 1.8261 | 1.7947 | 1.6837 | 3.7784 |
| 11 | 1.7258 | 1.9554 | 1.6363 | 1.8780 | 1.5648 | 1.7214 | 1.7930 | 0.7429 |
| | 1.9174 | 1.7016 | 2.0880 | 1.8934 | 2.2598 | 2.0397 | 1.9645 | 4.2117 |
| 12 | 2.0139 | 1.8167 | 1.8531 | 1.5660 | 1.7756 | 1.8939 | 1.1182 | |
| | 1.6190 | 1.8051 | 1.8210 | 2.2581 | 1.9487 | 1.8311 | 2.8861 | |
| 13 | 1.9581 | 1.9465 | 1.8819 | 1.7282 | 1.8987 | 1.2879 | 0.5892 | |
| | 1.6484 | 1.6687 | 1.7842 | 2.0341 | 1.8267 | 2.4733 | 5.3349 | |
| 14 | 2.0434 | 2.0306 | 1.9946 | 1.8143 | 1.1267 | 0.5910 | | |
| | 1.5757 | 1.5940 | 1.6711 | 1.9389 | 2.8649 | 5.3194 | | |
| 15 | 0.9595 | 0.8571 | 0.9018 | 0.7662 | F-SUB-Q | | | |
| | 3.0544 | 3.4467 | 3.3098 | 4.0806 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8436 | 1.7086 | 1.6909 | 1.6985 | 1.9899 | 1.9352 | 2.0257 | 0.9441 |
| | 2.0693 | 2.2398 | 2.1627 | 2.0722 | 1.7392 | 1.7664 | 1.6825 | 3.2831 |
| 9 | 1.7086 | 1.9604 | 1.9529 | 1.9288 | 1.7879 | 1.9217 | 2.0126 | 0.9345 |
| | 2.2398 | 1.9294 | 1.8605 | 1.8327 | 1.9479 | 1.7906 | 1.7030 | 3.3226 |
| 10 | 1.6909 | 1.9534 | 1.6617 | 1.6068 | 1.8263 | 1.8508 | 1.9640 | 0.7893 |
| | 2.1627 | 1.8601 | 2.2046 | 2.2629 | 1.9621 | 1.9244 | 1.7981 | 4.0653 |
| 11 | 1.6985 | 1.9295 | 1.6086 | 1.8538 | 1.5412 | 1.7035 | 1.7803 | 0.7315 |
| | 2.0722 | 1.8319 | 2.2603 | 2.0210 | 2.4016 | 2.1639 | 2.0750 | 4.5338 |
| 12 | 1.9899 | 1.7897 | 1.8312 | 1.5425 | 1.7548 | 1.8773 | 1.1027 | |
| | 1.7392 | 1.9460 | 1.9564 | 2.3997 | 2.0782 | 1.9456 | 3.0664 | |
| 13 | 1.9352 | 1.9241 | 1.8614 | 1.7105 | 1.8822 | 1.2689 | 0.5779 | |
| | 1.7664 | 1.7883 | 1.9128 | 2.1576 | 1.9406 | 2.6551 | 5.7415 | |
| 14 | 2.0257 | 2.0134 | 1.9800 | 1.8018 | 1.1111 | 0.5797 | | |
| | 1.6825 | 1.7024 | 1.7839 | 2.0495 | 3.0431 | 5.7239 | | |
| 15 | 0.9441 | 0.8439 | 0.8887 | 0.7545 | F-SUB-Q | | | |
| | 3.2831 | 3.7040 | 3.5568 | 4.3918 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8188 | 1.6783 | 1.6614 | 1.6703 | 1.9657 | 1.9105 | 2.0068 | 0.9255 |
| | 2.2461 | 2.4168 | 2.3753 | 2.2699 | 1.8932 | 1.9200 | 1.8217 | 3.5801 |
| 9 | 1.6783 | 1.9332 | 1.9231 | 1.9028 | 1.7597 | 1.8970 | 1.9937 | 0.9158 |
| | 2.4168 | 2.0868 | 2.0381 | 1.9987 | 2.1277 | 1.9466 | 1.8439 | 3.6276 |
| 10 | 1.6614 | 1.9236 | 1.6321 | 1.5789 | 1.8051 | 1.8277 | 1.9470 | 0.7722 |
| | 2.3753 | 2.0376 | 2.4226 | 2.4846 | 2.1346 | 2.0922 | 1.9467 | 4.4403 |
| 11 | 1.6703 | 1.9036 | 1.5807 | 1.8300 | 1.5166 | 1.6855 | 1.7650 | 0.7163 |
| | 2.2699 | 1.9978 | 2.4817 | 2.1820 | 2.6023 | 2.3263 | 2.2149 | 4.9425 |
| 12 | 1.9657 | 1.7614 | 1.8101 | 1.5178 | 1.7326 | 1.8596 | 1.0799 | |
| | 1.8932 | 2.1254 | 2.1284 | 2.6002 | 2.2463 | 2.0905 | 3.3256 | |
| 13 | 1.9105 | 1.8996 | 1.8385 | 1.6925 | 1.8645 | 1.2446 | 0.5644 | |
| | 1.9200 | 1.9440 | 2.0794 | 2.3195 | 2.0852 | 2.8792 | 6.2310 | |
| 14 | 2.0068 | 1.9947 | 1.9633 | 1.7866 | 1.0882 | 0.5662 | | |
| | 1.8217 | 1.8431 | 1.9306 | 2.1877 | 3.3002 | 6.2120 | | |
| 15 | 0.9255 | 0.8241 | 0.8714 | 0.7390 | F-SUB-Q | | | |
| | 3.5801 | 4.0531 | 3.8761 | 4.7923 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7515 | 1.6210 | 1.6056 | 1.6151 | 1.8994 | 1.8511 | 1.9407 | 0.9070 |
| | 2.4974 | 2.6899 | 2.6256 | 2.4877 | 2.0726 | 2.0997 | 1.9973 | 3.8616 |
| 9 | 1.6210 | 1.8651 | 1.8587 | 1.8366 | 1.7026 | 1.8379 | 1.9282 | 0.9001 |
| | 2.6899 | 2.3289 | 2.2555 | 2.1973 | 2.3242 | 2.1269 | 2.0198 | 3.8955 |
| 10 | 1.6056 | 1.8593 | 1.5766 | 1.5267 | 1.7412 | 1.7716 | 1.8856 | 0.7645 |
| | 2.6256 | 2.2548 | 2.6830 | 2.7331 | 2.3373 | 2.2786 | 2.1221 | 4.7167 |
| 11 | 1.6151 | 1.8374 | 1.5285 | 1.7679 | 1.4679 | 1.6275 | 1.7095 | 0.7068 |
| | 2.4877 | 2.1962 | 2.7296 | 2.4170 | 2.9003 | 2.5945 | 2.4406 | 5.2485 |
| 12 | 1.8994 | 1.7042 | 1.7462 | 1.4692 | 1.6785 | 1.7996 | 1.0651 | |
| | 2.0726 | 2.3217 | 2.3299 | 2.8979 | 2.5061 | 2.3338 | 3.6317 | |
| 13 | 1.8511 | 1.8407 | 1.7823 | 1.6344 | 1.8045 | 1.2217 | 0.5555 | |
| | 2.0997 | 2.1234 | 2.2638 | 2.5669 | 2.3277 | 3.1691 | 6.8177 | |
| 14 | 1.9407 | 1.9294 | 1.9017 | 1.7307 | 1.0734 | 0.5572 | | |
| | 1.9973 | 2.0183 | 2.1025 | 2.4104 | 3.6029 | 6.7967 | | |
| 15 | 0.9070 | 0.8174 | 0.8591 | 0.7295 | F-SUB-Q | | | |
| | 3.8616 | 4.3158 | 4.1326 | 5.0804 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7343 | 1.5932 | 1.5785 | 1.5891 | 1.8807 | 1.8297 | 1.9292 | 0.8814 |
| | 2.7359 | 2.9733 | 2.8118 | 2.6615 | 2.1983 | 2.2220 | 2.0986 | 4.1324 |
| 9 | 1.5932 | 1.8438 | 1.8332 | 1.8165 | 1.6765 | 1.8167 | 1.9168 | 0.8729 |
| | 2.9733 | 2.5105 | 2.4064 | 2.3315 | 2.4820 | 2.2526 | 2.1239 | 4.1824 |
| 10 | 1.5785 | 1.8338 | 1.5496 | 1.5001 | 1.7273 | 1.7516 | 1.8746 | 0.7368 |
| | 2.8118 | 2.4056 | 2.8718 | 2.9263 | 2.4777 | 2.4209 | 2.2391 | 5.1155 |
| 11 | 1.5891 | 1.8173 | 1.5020 | 1.7492 | 1.4449 | 1.6159 | 1.6994 | 0.6830 |
| | 2.6615 | 2.3304 | 2.9225 | 2.6205 | 3.1832 | 2.8019 | 2.6137 | 5.6950 |
| 12 | 1.8807 | 1.6783 | 1.7324 | 1.4462 | 1.6595 | 1.7877 | 1.0317 | |
| | 2.1983 | 2.4792 | 2.4699 | 3.1805 | 2.7463 | 2.5410 | 4.0333 | |
| 13 | 1.8297 | 1.8196 | 1.7626 | 1.6229 | 1.7926 | 1.1881 | 0.5358 | |
| | 2.2220 | 2.2490 | 2.4052 | 2.7697 | 2.5342 | 3.5342 | 7.6373 | |
| 14 | 1.9292 | 1.9181 | 1.8911 | 1.7208 | 1.0399 | 0.5376 | | |
| | 2.0986 | 2.1225 | 2.2192 | 2.5772 | 4.0015 | 7.6130 | | |
| 15 | 0.8814 | 0.7876 | 0.8326 | 0.7050 | F-SUB-Q | | | |
| | 4.1324 | 4.6616 | 4.4584 | 5.5126 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6887 | 1.5478 | 1.5342 | 1.5455 | 1.8339 | 1.7846 | 1.8853 | 0.8574 |
| | 2.7420 | 2.9807 | 2.9897 | 2.8579 | 2.3794 | 2.4007 | 2.2619 | 4.4596 |
| 9 | 1.5478 | 1.7953 | 1.7846 | 1.7696 | 1.6315 | 1.7721 | 1.8733 | 0.8497 |
| | 2.9807 | 2.5722 | 2.5701 | 2.5089 | 2.6927 | 2.4335 | 2.2889 | 4.5089 |
| 10 | 1.5342 | 1.7853 | 1.5054 | 1.4579 | 1.6843 | 1.7092 | 1.8333 | 0.7178 |
| | 2.9897 | 2.5691 | 3.0600 | 3.1459 | 2.6799 | 2.6134 | 2.4102 | 5.5093 |
| 11 | 1.5455 | 1.7704 | 1.4599 | 1.7047 | 1.4063 | 1.5773 | 1.6621 | 0.6649 |
| | 2.8579 | 2.5076 | 3.1417 | 2.7333 | 3.3344 | 2.9666 | 2.8117 | 6.1397 |
| 12 | 1.8339 | 1.6333 | 1.6894 | 1.4075 | 1.6190 | 1.7471 | 1.0056 | |
| | 2.3794 | 2.6896 | 2.6713 | 3.3290 | 2.9366 | 2.7178 | 4.3242 | |
| 13 | 1.7846 | 1.7751 | 1.7206 | 1.5843 | 1.7519 | 1.1572 | 0.5204 | |
| | 2.4007 | 2.4294 | 2.5962 | 2.9534 | 2.7101 | 3.8062 | 8.3011 | |
| 14 | 1.8853 | 1.8748 | 1.8498 | 1.6834 | 1.0137 | 0.5221 | | |
| | 2.2619 | 2.2871 | 2.3876 | 2.7728 | 4.2887 | 8.2732 | | |
| 15 | 0.8574 | 0.7676 | 0.8113 | 0.6863 | F-SUB-Q | | | |
| | 4.4596 | 5.0218 | 4.8005 | 5.9438 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6197 | 1.4882 | 1.4757 | 1.4874 | 1.7642 | 1.7209 | 1.8155 | 0.8341 |
| | 2.7806 | 3.0147 | 2.8948 | 2.7710 | 2.3272 | 2.3860 | 2.2594 | 4.4546 |
| 9 | 1.4882 | 1.7247 | 1.7167 | 1.7005 | 1.5706 | 1.7084 | 1.8039 | 0.8283 |
| | 3.0147 | 2.5836 | 2.4881 | 2.4391 | 2.6244 | 2.4248 | 2.2905 | 4.4965 |
| 10 | 1.4757 | 1.7175 | 1.4476 | 1.4034 | 1.6180 | 1.6484 | 1.7677 | 0.7040 |
| | 2.8948 | 2.4871 | 2.9666 | 3.0461 | 2.6520 | 2.6234 | 2.4336 | 5.5053 |
| 11 | 1.4874 | 1.7014 | 1.4053 | 1.6395 | 1.3543 | 1.5166 | 1.6026 | 0.6506 |
| | 2.7710 | 2.4378 | 3.0419 | 2.7579 | 3.3748 | 3.0078 | 2.8514 | 6.2354 |
| 12 | 1.7642 | 1.5722 | 1.6230 | 1.3555 | 1.5608 | 1.6834 | 0.9830 | |
| | 2.3272 | 2.6216 | 2.6434 | 3.3692 | 2.9737 | 2.7543 | 4.3169 | |
| 13 | 1.7209 | 1.7115 | 1.6601 | 1.5268 | 1.6882 | 1.1270 | 0.5078 | |
| | 2.3860 | 2.4205 | 2.6070 | 2.9916 | 2.7464 | 3.8169 | 8.3059 | |
| 14 | 1.8155 | 1.8055 | 1.7839 | 1.6233 | 0.9910 | 0.5095 | | |
| | 2.2594 | 2.2885 | 2.4159 | 2.8152 | 4.2812 | 8.2776 | | |
| 15 | 0.8341 | 0.7532 | 0.7931 | 0.6718 | F-SUB-Q | | | |
| | 4.4546 | 4.9742 | 4.8180 | 6.0363 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5918 | 1.4520 | 1.4404 | 1.4525 | 1.7330 | 1.6882 | 1.7911 | 0.8046 |
| | 2.6474 | 2.8869 | 2.7820 | 2.6664 | 2.2281 | 2.2875 | 2.1544 | 4.3442 |
| 9 | 1.4520 | 1.6920 | 1.6810 | 1.6702 | 1.5351 | 1.6763 | 1.7798 | 0.7981 |
| | 2.8869 | 2.4672 | 2.3850 | 2.3303 | 2.5264 | 2.3243 | 2.1838 | 4.3974 |
| 10 | 1.4404 | 1.6818 | 1.4122 | 1.3685 | 1.5925 | 1.6186 | 1.7442 | 0.6741 |
| | 2.7820 | 2.3839 | 2.8521 | 2.9328 | 2.5330 | 2.5138 | 2.3206 | 5.4092 |
| 11 | 1.4525 | 1.6711 | 1.3705 | 1.6097 | 1.3234 | 1.4941 | 1.5814 | 0.6244 |
| | 2.6664 | 2.3291 | 2.9286 | 2.6293 | 3.2219 | 2.8499 | 2.7002 | 6.1075 |
| 12 | 1.7330 | 1.5369 | 1.5975 | 1.3246 | 1.5319 | 1.6595 | 0.9456 | |
| | 2.2281 | 2.5238 | 2.5247 | 3.2168 | 2.8406 | 2.6120 | 4.1584 | |
| 13 | 1.6882 | 1.6795 | 1.6304 | 1.5070 | 1.6643 | 1.0885 | 0.4865 | |
| | 2.2875 | 2.3201 | 2.4974 | 2.8338 | 2.6048 | 3.6728 | 7.9650 | |
| 14 | 1.7911 | 1.7816 | 1.7606 | 1.6022 | 0.9534 | 0.4881 | | |
| | 2.1544 | 2.1818 | 2.3033 | 2.6670 | 4.1251 | 7.9389 | | |
| 15 | 0.8046 | 0.7205 | 0.7636 | 0.6449 | F-SUB-Q | | | |
| | 4.3442 | 4.8928 | 4.7086 | 5.9126 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5454 | 1.4056 | 1.3947 | 1.4073 | 1.6839 | 1.6407 | 1.7454 | 0.7773 |
| | 2.4221 | 2.6504 | 2.5974 | 2.4978 | 2.0914 | 2.1551 | 2.0223 | 4.0754 |
| 9 | 1.4056 | 1.6422 | 1.6302 | 1.6231 | 1.4878 | 1.6290 | 1.7344 | 0.7712 |
| | 2.6504 | 2.2756 | 2.2277 | 2.1771 | 2.3747 | 2.1868 | 2.0480 | 4.1263 |
| 10 | 1.3947 | 1.6311 | 1.3669 | 1.3250 | 1.5479 | 1.5740 | 1.7009 | 0.6503 |
| | 2.5974 | 2.2266 | 2.6599 | 2.7335 | 2.3630 | 2.3518 | 2.1664 | 5.0571 |
| 11 | 1.4073 | 1.6239 | 1.3270 | 1.5632 | 1.2827 | 1.4549 | 1.5423 | 0.6030 |
| | 2.4978 | 2.1760 | 2.7296 | 2.4083 | 2.9551 | 2.6068 | 2.4688 | 5.6658 |
| 12 | 1.6839 | 1.4895 | 1.5530 | 1.2839 | 1.4907 | 1.6171 | 0.9139 | |
| | 2.0914 | 2.3723 | 2.3556 | 2.9503 | 2.6021 | 2.3879 | 3.8336 | |
| 13 | 1.6407 | 1.6323 | 1.5857 | 1.4697 | 1.6218 | 1.0529 | 0.4685 | |
| | 2.1551 | 2.1828 | 2.3366 | 2.5906 | 2.3812 | 3.3843 | 7.3777 | |
| 14 | 1.7454 | 1.7363 | 1.7173 | 1.5628 | 0.9215 | 0.4701 | | |
| | 2.0223 | 2.0461 | 2.1490 | 2.4380 | 3.8024 | 7.3531 | | |
| 15 | 0.7773 | 0.6941 | 0.7381 | 0.6228 | F-SUB-Q | | | |
| | 4.0754 | 4.5986 | 4.3965 | 5.4885 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4923 | 1.3557 | 1.3458 | 1.3582 | 1.6279 | 1.5866 | 1.6898 | 0.7520 |
| | 2.2361 | 2.4453 | 2.3620 | 2.2763 | 1.9055 | 1.9650 | 1.8426 | 3.7237 |
| 9 | 1.3557 | 1.5863 | 1.5748 | 1.5681 | 1.4363 | 1.5753 | 1.6792 | 0.7464 |
| | 2.4453 | 2.0788 | 2.0236 | 1.9823 | 2.1656 | 1.9933 | 1.8655 | 3.7619 |
| 10 | 1.3458 | 1.5757 | 1.3184 | 1.2784 | 1.4960 | 1.5230 | 1.6478 | 0.6310 |
| | 2.3620 | 2.0225 | 2.4189 | 2.4865 | 2.1510 | 2.1392 | 1.9696 | 4.6003 |
| 11 | 1.3582 | 1.5690 | 1.2804 | 1.5115 | 1.2387 | 1.4083 | 1.4943 | 0.5843 |
| | 2.2763 | 1.9813 | 2.4828 | 2.2137 | 2.7394 | 2.4138 | 2.2801 | 5.1472 |
| 12 | 1.6279 | 1.4381 | 1.5010 | 1.2399 | 1.4428 | 1.5660 | 0.8867 | |
| | 1.9055 | 2.1634 | 2.1441 | 2.7349 | 2.4167 | 2.2156 | 3.5544 | |
| 13 | 1.5866 | 1.5787 | 1.5346 | 1.4236 | 1.5707 | 1.0199 | 0.4535 | |
| | 1.9651 | 1.9896 | 2.1250 | 2.3944 | 2.2094 | 3.1391 | 6.8616 | |
| 14 | 1.6898 | 1.6812 | 1.6642 | 1.5144 | 0.8941 | 0.4550 | | |
| | 1.8426 | 1.8636 | 1.9520 | 2.2509 | 3.5248 | 6.8387 | | |
| 15 | 0.7520 | 0.6752 | 0.7159 | 0.6037 | F-SUB-Q | | | |
| | 3.7237 | 4.1785 | 4.0008 | 4.9854 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4283 | 1.3006 | 1.2915 | 1.3038 | 1.5612 | 1.5240 | 1.6207 | 0.7288 |
| | 2.2474 | 2.4521 | 2.3581 | 2.2778 | 1.9111 | 1.9693 | 1.8498 | 3.7088 |
| 9 | 1.3006 | 1.5205 | 1.5109 | 1.5014 | 1.3785 | 1.5128 | 1.6105 | 0.7245 |
| | 2.4521 | 2.0742 | 2.0199 | 1.9887 | 2.1679 | 1.9967 | 1.8720 | 3.7366 |
| 10 | 1.2915 | 1.5118 | 1.2648 | 1.2280 | 1.4326 | 1.4632 | 1.5823 | 0.6160 |
| | 2.3581 | 2.0188 | 2.4148 | 2.4810 | 2.1565 | 2.1370 | 1.9702 | 4.5380 |
| 11 | 1.3038 | 1.5023 | 1.2299 | 1.4498 | 1.1895 | 1.3516 | 1.4348 | 0.5695 |
| | 2.2778 | 1.9876 | 2.4773 | 2.2130 | 2.7493 | 2.4303 | 2.2841 | 5.0685 |
| 12 | 1.5612 | 1.3800 | 1.4374 | 1.1907 | 1.3870 | 1.5035 | 0.8638 | |
| | 1.9111 | 2.1656 | 2.1495 | 2.7447 | 2.4309 | 2.2308 | 3.5230 | |
| 13 | 1.5240 | 1.5161 | 1.4745 | 1.3664 | 1.5080 | 0.9899 | 0.4409 | |
| | 1.9693 | 1.9928 | 2.1227 | 2.4044 | 2.2242 | 3.1318 | 6.8456 | |
| 14 | 1.6207 | 1.6125 | 1.5983 | 1.4544 | 0.8710 | 0.4424 | | |
| | 1.8498 | 1.8699 | 1.9512 | 2.2526 | 3.4935 | 6.8218 | | |
| 15 | 0.7288 | 0.6598 | 0.6967 | 0.5885 | F-SUB-Q | | | |
| | 3.7088 | 4.1262 | 3.9587 | 4.9083 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4030 | 1.2676 | 1.2592 | 1.2713 | 1.5311 | 1.4906 | 1.5947 | 0.6996 |
| | 2.0446 | 2.2350 | 2.1674 | 2.1001 | 1.7544 | 1.8138 | 1.6944 | 3.4898 |
| 9 | 1.2676 | 1.4905 | 1.4778 | 1.4758 | 1.3448 | 1.4801 | 1.5849 | 0.6949 |
| | 2.2350 | 1.8907 | 1.8510 | 1.8190 | 2.0010 | 1.8375 | 1.7136 | 3.5284 |
| 10 | 1.2592 | 1.4786 | 1.2327 | 1.1958 | 1.4080 | 1.4324 | 1.5565 | 0.5861 |
| | 2.1674 | 1.8499 | 2.2187 | 2.2833 | 1.9696 | 1.9593 | 1.7974 | 4.2964 |
| 11 | 1.2713 | 1.4766 | 1.1978 | 1.4219 | 1.1603 | 1.3300 | 1.4115 | 0.5434 |
| | 2.1001 | 1.8180 | 2.2798 | 2.0125 | 2.5223 | 2.2002 | 2.0719 | 4.7629 |
| 12 | 1.5311 | 1.3465 | 1.4128 | 1.1614 | 1.3592 | 1.4786 | 0.8260 | |
| | 1.7544 | 1.9987 | 1.9631 | 2.5180 | 2.2208 | 2.0354 | 3.3179 | |
| 13 | 1.4906 | 1.4834 | 1.4436 | 1.3448 | 1.4831 | 0.9519 | 0.4204 | |
| | 1.8138 | 1.8337 | 1.9460 | 2.1768 | 2.0295 | 2.9201 | 6.4557 | |
| 14 | 1.5948 | 1.5870 | 1.5727 | 1.4309 | 0.8330 | 0.4219 | | |
| | 1.6944 | 1.7117 | 1.7802 | 2.0447 | 3.2892 | 6.4336 | | |
| 15 | 0.6996 | 0.6260 | 0.6670 | 0.5615 | F-SUB-Q | | | |
| | 3.4898 | 3.9281 | 3.7250 | 4.6130 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3558 | 1.2240 | 1.2162 | 1.2278 | 1.4801 | 1.4413 | 1.5428 | 0.6742 |
| | 1.9024 | 2.0973 | 2.0338 | 1.9794 | 1.6543 | 1.7112 | 1.5982 | 3.3132 |
| 9 | 1.2240 | 1.4403 | 1.4287 | 1.4269 | 1.2990 | 1.4310 | 1.5332 | 0.6697 |
| | 2.0973 | 1.7648 | 1.7352 | 1.7122 | 1.8866 | 1.7318 | 1.6151 | 3.3483 |
| 10 | 1.2162 | 1.4296 | 1.1908 | 1.1551 | 1.3617 | 1.3853 | 1.5061 | 0.5648 |
| | 2.0338 | 1.7341 | 2.0806 | 2.1432 | 1.8485 | 1.8381 | 1.6864 | 4.0652 |
| 11 | 1.2278 | 1.4277 | 1.1571 | 1.3752 | 1.1213 | 1.2866 | 1.3651 | 0.5235 |
| | 1.9794 | 1.7113 | 2.1398 | 1.8777 | 2.3528 | 2.0554 | 1.9306 | 4.4794 |
| 12 | 1.4801 | 1.3006 | 1.3664 | 1.1224 | 1.3160 | 1.4312 | 0.7966 | |
| | 1.6543 | 1.8844 | 1.8424 | 2.3489 | 2.0572 | 1.8869 | 3.0892 | |
| 13 | 1.4413 | 1.4343 | 1.3962 | 1.3010 | 1.4356 | 0.9191 | 0.4050 | |
| | 1.7112 | 1.7283 | 1.8256 | 2.0329 | 1.8813 | 2.7209 | 6.0323 | |
| 14 | 1.5428 | 1.5354 | 1.5219 | 1.3840 | 0.8034 | 0.4064 | | |
| | 1.5982 | 1.6133 | 1.6702 | 1.9046 | 3.0630 | 6.0113 | | |
| 15 | 0.6742 | 0.6032 | 0.6432 | 0.5410 | F-SUB-Q | | | |
| | 3.3132 | 3.7283 | 3.5213 | 4.3385 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2834 | 1.1678 | 1.1608 | 1.1714 | 1.4040 | 1.3730 | 1.4599 | 0.6518 |
| | 1.8541 | 1.9914 | 1.9555 | 1.9135 | 1.6104 | 1.6596 | 1.5610 | 3.1765 |
| 9 | 1.1678 | 1.3654 | 1.3614 | 1.3508 | 1.2400 | 1.3634 | 1.4510 | 0.6485 |
| | 1.9914 | 1.6960 | 1.6711 | 1.6678 | 1.8231 | 1.6779 | 1.5763 | 3.1948 |
| 10 | 1.1608 | 1.3623 | 1.1370 | 1.1041 | 1.2909 | 1.3200 | 1.4261 | 0.5514 |
| | 1.9555 | 1.6700 | 1.9987 | 2.0585 | 1.7914 | 1.7708 | 1.6363 | 3.8450 |
| 11 | 1.1714 | 1.3515 | 1.1059 | 1.3068 | 1.0721 | 1.2184 | 1.2920 | 0.5096 |
| | 1.9135 | 1.6669 | 2.0553 | 1.8073 | 2.2579 | 1.9750 | 1.8581 | 4.2194 |
| 12 | 1.4040 | 1.2414 | 1.2954 | 1.0731 | 1.2543 | 1.3570 | 0.7749 | |
| | 1.6104 | 1.8212 | 1.7856 | 2.2540 | 1.9715 | 1.8201 | 2.9206 | |
| 13 | 1.3730 | 1.3664 | 1.3303 | 1.2312 | 1.3611 | 0.8906 | 0.3949 | |
| | 1.6596 | 1.6744 | 1.7588 | 1.9536 | 1.8148 | 2.5641 | 5.6679 | |
| 14 | 1.4599 | 1.4530 | 1.4411 | 1.3098 | 0.7815 | 0.3963 | | |
| | 1.5610 | 1.5745 | 1.6206 | 1.8333 | 2.8962 | 5.6486 | | |
| 15 | 0.6518 | 0.5906 | 0.6250 | 0.5268 | F-SUB-Q | | | |
| | 3.1765 | 3.5282 | 3.3464 | 4.0862 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2430 | 1.1298 | 1.1217 | 1.1339 | 1.3538 | 1.3271 | 1.4080 | 0.6223 |
| | 1.7398 | 1.8994 | 1.8824 | 1.8475 | 1.5630 | 1.6074 | 1.5159 | 3.1245 |
| 9 | 1.1298 | 1.3145 | 1.3160 | 1.3076 | 1.2009 | 1.3182 | 1.3994 | 0.6180 |
| | 1.8994 | 1.6270 | 1.6083 | 1.6096 | 1.7605 | 1.6228 | 1.5295 | 3.1515 |
| 10 | 1.1217 | 1.3169 | 1.0994 | 1.0687 | 1.2525 | 1.2783 | 1.3749 | 0.5210 |
| | 1.8824 | 1.6072 | 1.9222 | 1.9806 | 1.7188 | 1.7006 | 1.5807 | 3.8078 |
| 11 | 1.1339 | 1.3084 | 1.0705 | 1.2649 | 1.0415 | 1.1802 | 1.2461 | 0.4828 |
| | 1.8475 | 1.6088 | 1.9775 | 1.7228 | 2.1294 | 1.8823 | 1.7828 | 4.1392 |
| 12 | 1.3538 | 1.2024 | 1.2568 | 1.0425 | 1.2146 | 1.3111 | 0.7362 | |
| | 1.5630 | 1.7584 | 1.7133 | 2.1258 | 1.8857 | 1.7464 | 2.8277 | |
| 13 | 1.3271 | 1.3211 | 1.2882 | 1.1901 | 1.3151 | 0.8490 | 0.3751 | |
| | 1.6074 | 1.6196 | 1.6892 | 1.8711 | 1.7411 | 2.5114 | 5.5609 | |
| 14 | 1.4080 | 1.4013 | 1.3896 | 1.2633 | 0.7424 | 0.3763 | | |
| | 1.5159 | 1.5278 | 1.5656 | 1.7589 | 2.8034 | 5.5412 | | |
| 15 | 0.6223 | 0.5576 | 0.5942 | 0.4990 | F-SUB-Q | | | |
| | 3.1245 | 3.5081 | 3.2932 | 4.0104 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1704 | 1.0660 | 1.0418 | 1.0702 | 1.2646 | 1.2335 | 1.3010 | 0.5920 |
| | 1.7337 | 1.8944 | 1.9158 | 1.8552 | 1.5839 | 1.6414 | 1.5571 | 3.1262 |
| 9 | 1.0660 | 1.2271 | 1.2223 | 1.2242 | 1.1291 | 1.2250 | 1.2930 | 0.5882 |
| | 1.8944 | 1.6379 | 1.6355 | 1.6289 | 1.7678 | 1.6563 | 1.5706 | 3.1498 |
| 10 | 1.0418 | 1.2232 | 1.0196 | 1.0111 | 1.1705 | 1.1932 | 1.2728 | 0.4923 |
| | 1.9158 | 1.6344 | 1.9585 | 1.9874 | 1.7379 | 1.7220 | 1.6140 | 3.8260 |
| 11 | 1.0702 | 1.2248 | 1.0128 | 1.1953 | 0.9878 | 1.1173 | 1.1653 | 0.4556 |
| | 1.8552 | 1.6280 | 1.9840 | 1.7254 | 2.0968 | 1.8687 | 1.7921 | 4.1447 |
| 12 | 1.2646 | 1.1301 | 1.1744 | 0.9895 | 1.1351 | 1.2183 | 0.7021 | |
| | 1.5839 | 1.7665 | 1.7325 | 2.0933 | 1.8727 | 1.7471 | 2.7776 | |
| 13 | 1.2335 | 1.2275 | 1.2023 | 1.1227 | 1.2220 | 0.7929 | 0.3513 | |
| | 1.6414 | 1.6532 | 1.7101 | 1.8600 | 1.7419 | 2.4957 | 5.5402 | |
| 14 | 1.3010 | 1.2945 | 1.2872 | 1.1806 | 0.7079 | 0.3524 | | |
| | 1.5571 | 1.5691 | 1.5989 | 1.7688 | 2.7545 | 5.5212 | | |
| 15 | 0.5920 | 0.5292 | 0.5632 | 0.4704 | F-SUB-Q | | | |
| | 3.1262 | 3.5188 | 3.2994 | 4.0203 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 50% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1694 | 0.9091 | 0.8467 | 0.9053 | 1.2180 | 1.0093 | 1.1731 | 0.5099 |
| | 1.6430 | 2.1097 | 2.2565 | 2.1058 | 1.5761 | 1.9265 | 1.6582 | 3.4995 |
| 9 | 0.9091 | 1.1773 | 1.0130 | 1.1919 | 0.9629 | 1.0017 | 1.1649 | 0.5099 |
| | 2.1097 | 1.6275 | 1.8901 | 1.6053 | 1.9899 | 1.9452 | 1.6737 | 3.5004 |
| 10 | 0.8467 | 1.0137 | 0.8255 | 0.8663 | 1.1551 | 0.9820 | 1.1291 | 0.4235 |
| | 2.2565 | 1.8887 | 2.3193 | 2.2193 | 1.6814 | 2.0046 | 1.7441 | 4.2825 |
| 11 | 0.9053 | 1.1929 | 0.8678 | 1.1617 | 0.8514 | 1.1128 | 1.0324 | 0.3900 |
| | 2.1058 | 1.6041 | 2.2157 | 1.6904 | 2.3127 | 1.7909 | 1.9364 | 4.6467 |
| 12 | 1.2180 | 0.9636 | 1.1587 | 0.8543 | 0.9403 | 1.0707 | 0.6188 | |
| | 1.5761 | 1.9885 | 1.6779 | 2.3082 | 2.1548 | 1.8948 | 3.0154 | |
| 13 | 1.0093 | 1.0037 | 0.9892 | 1.1192 | 1.0745 | 0.6638 | 0.2932 | |
| | 1.9265 | 1.9416 | 1.9906 | 1.7808 | 1.8883 | 2.8429 | 6.3470 | |
| 14 | 1.1731 | 1.1660 | 1.1409 | 1.0452 | 0.6238 | 0.2942 | | |
| | 1.6582 | 1.6723 | 1.7267 | 1.9131 | 2.9912 | 6.3254 | | |
| 15 | 0.5099 | 0.4579 | 0.4845 | 0.4015 | F-SUB-Q | | | |
| | 3.4995 | 3.9197 | 3.6904 | 4.5220 | M-SUB-Q | | | |

AT 50% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.4532 | 0.3860 | 0.3600 | 0.3910 | 0.4641 | 0.3918 | 0.4137 | 0.2109 |
| | 4.0556 | 4.7690 | 5.1068 | 4.7033 | 3.9703 | 4.7386 | 4.5202 | 8.1659 |
| 9 | 0.3860 | 0.4476 | 0.3930 | 0.4515 | 0.4035 | 0.3837 | 0.4106 | 0.2106 |
| | 4.7690 | 4.1043 | 4.6811 | 4.0744 | 4.5765 | 4.8797 | 4.5641 | 8.1726 |
| 10 | 0.3600 | 0.3932 | 0.3512 | 0.3777 | 0.4439 | 0.3809 | 0.3958 | 0.1901 |
| | 5.1068 | 4.6779 | 5.2501 | 4.9128 | 4.2130 | 4.9424 | 4.7781 | 9.2076 |
| 11 | 0.3910 | 0.4519 | 0.3783 | 0.4299 | 0.3707 | 0.4212 | 0.3649 | 0.1656 |
| | 4.7033 | 4.0712 | 4.9047 | 4.3767 | 5.1019 | 4.5349 | 5.2549 | *10.5501 |
| 12 | 0.4641 | 0.4038 | 0.4451 | 0.3718 | 0.3595 | 0.3787 | 0.2539 | |
| | 3.9703 | 4.5732 | 4.2026 | 5.0917 | 5.4091 | 5.1410 | 7.0548 | |
| 13 | 0.3918 | 0.3845 | 0.3826 | 0.4236 | 0.3801 | 0.2647 | 0.1273 | |
| | 4.7386 | 4.8707 | 4.9220 | 4.5098 | 5.1221 | 6.8482 | *14.0965 | |
| 14 | 0.4137 | 0.4110 | 0.3997 | 0.3692 | 0.2559 | 0.1277 | | |
| | 4.5202 | 4.5596 | 4.7329 | 5.1940 | 6.9974 | *14.0477 | | |
| 15 | 0.2109 | 0.2019 | 0.2009 | 0.1708 | F-SUB-Q | | | |
| | 8.1659 | 8.5828 | 8.5882 | *10.2460 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.6248 | 0.6172 | 0.6068 | 0.6544 | 0.7681 | 0.6585 | 0.6664 | 0.3452 |
| | 4.0166 | 4.6912 | 4.7406 | 4.2576 | 3.6373 | 4.2456 | 4.2535 | 7.3290 |
| 9 | 0.6172 | 0.7334 | 0.6550 | 0.7503 | 0.6768 | 0.6431 | 0.6604 | 0.3440 |
| | 4.6912 | 4.1408 | 4.4113 | 3.7664 | 4.1265 | 4.3774 | 4.3151 | 7.3580 |
| 10 | 0.6068 | 0.6553 | 0.5945 | 0.6292 | 0.7289 | 0.6294 | 0.6281 | 0.3036 |
| | 4.7406 | 4.4097 | 4.9360 | 4.5480 | 3.9750 | 4.6061 | 4.5972 | 8.4809 |
| 11 | 0.6544 | 0.7507 | 0.6300 | 0.6953 | 0.6051 | 0.6661 | 0.5773 | 0.2670 |
| | 4.2576 | 3.7645 | 4.5426 | 4.2995 | 4.9054 | 4.4527 | 5.2136 | 9.8018 |
| 12 | 0.7681 | 0.6772 | 0.7302 | 0.6059 | 0.5416 | 0.5664 | 0.3954 | |
| | 3.6373 | 4.1242 | 3.9686 | 4.8988 | 4.9832 | 4.8722 | 6.6683 | |
| 13 | 0.6585 | 0.6438 | 0.6315 | 0.6693 | 0.5684 | 0.3953 | 0.2054 | |
| | 4.2456 | 4.3731 | 4.5917 | 4.4363 | 4.8594 | 6.1958 | *12.1444 | |
| 14 | 0.6664 | 0.6600 | 0.6328 | 0.5827 | 0.3983 | 0.2060 | | |
| | 4.2535 | 4.3182 | 4.5656 | 5.1650 | 6.6263 | *12.1125 | | |
| 15 | 0.3452 | 0.3222 | 0.3218 | 0.2748 | F-SUB-Q | | | |
| | 7.3290 | 7.9019 | 7.8888 | 9.5367 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7529 | 1.4597 | 1.3964 | 1.4860 | 1.9178 | 1.6328 | 1.7917 | 0.8416 |
| | 1.7318 | 2.1533 | 2.1899 | 1.9974 | 1.5547 | 1.8305 | 1.6881 | 3.1949 |
| 9 | 1.4597 | 1.8526 | 1.6356 | 1.8812 | 1.5743 | 1.6032 | 1.7764 | 0.8363 |
| | 2.1533 | 1.7326 | 1.8806 | 1.5976 | 1.8911 | 1.8767 | 1.6999 | 3.2095 |
| 10 | 1.3964 | 1.6360 | 1.3733 | 1.4182 | 1.8119 | 1.5562 | 1.6993 | 0.6930 |
| | 2.1899 | 1.8802 | 2.2667 | 2.1480 | 1.6988 | 1.9875 | 1.8086 | 3.9329 |
| 11 | 1.4860 | 1.8822 | 1.4197 | 1.8024 | 1.3684 | 1.6847 | 1.5367 | 0.6375 |
| | 1.9974 | 1.5969 | 2.1458 | 1.7673 | 2.2930 | 1.8713 | 2.0654 | 4.3520 |
| 12 | 1.9178 | 1.5752 | 1.8158 | 1.3705 | 1.3971 | 1.5724 | 0.9775 | |
| | 1.5547 | 1.8901 | 1.6963 | 2.2901 | 2.0940 | 1.9155 | 2.8692 | |
| 13 | 1.6328 | 1.6043 | 1.5616 | 1.6926 | 1.5774 | 1.0444 | 0.4873 | |
| | 1.8305 | 1.8752 | 1.9811 | 1.8642 | 1.9109 | 2.5817 | 5.4433 | |
| 14 | 1.7917 | 1.7749 | 1.7127 | 1.5533 | 0.9847 | 0.4888 | | |
| | 1.6881 | 1.7014 | 1.7956 | 2.0464 | 2.8512 | 5.4293 | | |
| 15 | 0.8416 | 0.7478 | 0.7823 | 0.6553 | F-SUB-Q | | | |
| | 3.1949 | 3.6154 | 3.4359 | 4.2422 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7985 | 1.7219 | 1.6930 | 1.7319 | 1.9630 | 1.9421 | 1.9569 | 0.9829 |
| | 1.8301 | 1.9257 | 1.8623 | 1.7638 | 1.5600 | 1.5820 | 1.5688 | 2.7800 |
| 9 | 1.7219 | 1.9104 | 1.9384 | 1.8941 | 1.8238 | 1.9204 | 1.9434 | 0.9725 |
| | 1.9257 | 1.7257 | 1.6328 | 1.6231 | 1.6804 | 1.6060 | 1.5853 | 2.8104 |
| 10 | 1.6930 | 1.9387 | 1.6705 | 1.6389 | 1.8048 | 1.8445 | 1.8850 | 0.8160 |
| | 1.8623 | 1.6326 | 1.8972 | 1.9159 | 1.7431 | 1.7179 | 1.6698 | 3.4284 |
| 11 | 1.7319 | 1.8950 | 1.6407 | 1.8355 | 1.5789 | 1.6790 | 1.7071 | 0.7504 |
| | 1.7638 | 1.6225 | 1.9139 | 1.7859 | 2.0361 | 1.9330 | 1.9222 | 3.8109 |
| 12 | 1.9630 | 1.8254 | 1.8092 | 1.5811 | 1.7313 | 1.7893 | 1.1267 | |
| | 1.5600 | 1.6790 | 1.7392 | 2.0347 | 1.8077 | 1.7555 | 2.5720 | |
| 13 | 1.9421 | 1.9219 | 1.8541 | 1.6855 | 1.7939 | 1.2701 | 0.5934 | |
| | 1.5820 | 1.6046 | 1.7097 | 1.9284 | 1.7519 | 2.2355 | 4.6394 | |
| 14 | 1.9569 | 1.9430 | 1.8990 | 1.7270 | 1.1352 | 0.5953 | | |
| | 1.5688 | 1.5858 | 1.6611 | 1.9030 | 2.5552 | 4.6274 | | |
| 15 | 0.9829 | 0.8788 | 0.9165 | 0.7740 | F-SUB-Q | | | |
| | 2.7800 | 3.1272 | 3.0123 | 3.7011 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.9364 | 1.8406 | 1.8213 | 1.8330 | 2.1134 | 2.0877 | 2.1360 | 1.0181 |
| | 1.7653 | 1.8752 | 1.7765 | 1.7092 | 1.4842 | 1.5057 | 1.4673 | 2.7407 |
| 9 | 1.8406 | 2.0649 | 2.0937 | 2.0361 | 1.9427 | 2.0739 | 2.1217 | 1.0042 |
| | 1.8752 | 1.6312 | 1.5496 | 1.5483 | 1.6163 | 1.5217 | 1.4839 | 2.7819 |
| 10 | 1.8213 | 2.0939 | 1.7973 | 1.7372 | 1.9444 | 1.9881 | 2.0555 | 0.8421 |
| | 1.7765 | 1.5495 | 1.8044 | 1.8525 | 1.6594 | 1.6333 | 1.5691 | 3.4071 |
| 11 | 1.8330 | 2.0367 | 1.7388 | 1.9594 | 1.6629 | 1.7922 | 1.8469 | 0.7780 |
| | 1.7092 | 1.5478 | 1.8508 | 1.7047 | 1.9788 | 1.8437 | 1.8284 | 3.7795 |
| 12 | 2.1134 | 1.9445 | 1.9494 | 1.6643 | 1.8724 | 1.9554 | 1.1664 | |
| | 1.4842 | 1.6150 | 1.6554 | 1.9774 | 1.7287 | 1.6603 | 2.5643 | |
| 13 | 2.0877 | 2.0756 | 1.9990 | 1.7994 | 1.9605 | 1.3516 | 0.6192 | |
| | 1.5057 | 1.5207 | 1.6250 | 1.8392 | 1.6568 | 2.1760 | 4.5981 | |
| 14 | 2.1360 | 2.1216 | 2.0715 | 1.8693 | 1.1755 | 0.6212 | | |
| | 1.4673 | 1.4841 | 1.5599 | 1.8063 | 2.5468 | 4.5859 | | |
| 15 | 1.0181 | 0.9010 | 0.9487 | 0.8033 | F-SUB-Q | | | |
| | 2.7407 | 3.1167 | 2.9837 | 3.6661 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.9735 | 1.8579 | 1.8386 | 1.8491 | 2.1577 | 2.1202 | 2.1898 | 1.0271 |
| | 1.7983 | 1.9261 | 1.8098 | 1.7411 | 1.4947 | 1.5239 | 1.4712 | 2.7975 |
| 9 | 1.8579 | 2.1106 | 2.1228 | 2.0779 | 1.9590 | 2.1037 | 2.1748 | 1.0152 |
| | 1.9261 | 1.6423 | 1.5713 | 1.5630 | 1.6470 | 1.5430 | 1.4884 | 2.8343 |
| 10 | 1.8386 | 2.1230 | 1.8129 | 1.7488 | 1.9760 | 2.0170 | 2.1099 | 0.8537 |
| | 1.8098 | 1.5711 | 1.8426 | 1.8930 | 1.6780 | 1.6537 | 1.5730 | 3.4671 |
| 11 | 1.8491 | 2.0785 | 1.7506 | 1.9948 | 1.6737 | 1.8241 | 1.8959 | 0.7871 |
| | 1.7411 | 1.5623 | 1.8912 | 1.7299 | 2.0357 | 1.8661 | 1.8285 | 3.8406 |
| 12 | 2.1577 | 1.9609 | 1.9812 | 1.6752 | 1.8992 | 2.0056 | 1.1855 | |
| | 1.4947 | 1.6454 | 1.6736 | 2.0343 | 1.7647 | 1.6765 | 2.6151 | |
| 13 | 2.1202 | 2.1060 | 2.0284 | 1.8316 | 2.0110 | 1.3738 | 0.6242 | |
| | 1.5239 | 1.5418 | 1.6446 | 1.8614 | 1.6728 | 2.2205 | 4.7373 | |
| 14 | 2.1898 | 2.1750 | 2.1269 | 1.9193 | 1.1948 | 0.6262 | | |
| | 1.4712 | 1.4884 | 1.5615 | 1.8054 | 2.5969 | 4.7244 | | |
| 15 | 1.0271 | 0.9133 | 0.9600 | 0.8129 | F-SUB-Q | | | |
| | 2.7975 | 3.1671 | 3.0409 | 3.7224 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.9595 | 1.8351 | 1.8161 | 1.8281 | 2.1449 | 2.1042 | 2.1836 | 1.0221 |
| | 1.8761 | 2.0030 | 1.8881 | 1.8150 | 1.5456 | 1.5761 | 1.5154 | 2.8950 |
| 9 | 1.8351 | 2.0962 | 2.1014 | 2.0639 | 1.9364 | 2.0876 | 2.1686 | 1.0121 |
| | 2.0030 | 1.7015 | 1.6339 | 1.6224 | 1.7138 | 1.5965 | 1.5330 | 2.9276 |
| 10 | 1.8161 | 2.1017 | 1.7881 | 1.7259 | 1.9599 | 2.0025 | 2.1078 | 0.8545 |
| | 1.8881 | 1.6337 | 1.9222 | 1.9746 | 1.7426 | 1.7131 | 1.6174 | 3.5622 |
| 11 | 1.8281 | 2.0646 | 1.7278 | 1.9811 | 1.6544 | 1.8143 | 1.8966 | 0.7861 |
| | 1.8150 | 1.6217 | 1.9726 | 1.8006 | 2.1424 | 1.9521 | 1.8854 | 3.9700 |
| 12 | 2.1449 | 1.9382 | 1.9654 | 1.6558 | 1.8844 | 2.0014 | 1.1860 | |
| | 1.5456 | 1.7123 | 1.7378 | 2.1408 | 1.8547 | 1.7519 | 2.7269 | |
| 13 | 2.1042 | 2.0901 | 2.0142 | 1.8220 | 2.0069 | 1.3698 | 0.6205 | |
| | 1.5761 | 1.5947 | 1.7034 | 1.9470 | 1.7478 | 2.3264 | 4.9840 | |
| 14 | 2.1836 | 2.1692 | 2.1254 | 1.9204 | 1.1955 | 0.6226 | | |
| | 1.5154 | 1.5327 | 1.6058 | 1.8612 | 2.7070 | 4.9701 | | |
| 15 | 1.0221 | 0.9143 | 0.9591 | 0.8120 | F-SUB-Q | | | |
| | 2.8950 | 3.2579 | 3.1292 | 3.8469 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.9450 | 1.8089 | 1.7901 | 1.8040 | 2.1298 | 2.0866 | 2.1774 | 1.0047 |
| | 1.9389 | 2.0883 | 1.9974 | 1.9174 | 1.6190 | 1.6484 | 1.5757 | 3.0544 |
| 9 | 1.8089 | 2.0783 | 2.0771 | 2.0469 | 1.9117 | 2.0698 | 2.1625 | 0.9941 |
| | 2.0883 | 1.7884 | 1.7225 | 1.7023 | 1.8068 | 1.6707 | 1.5945 | 3.0917 |
| 10 | 1.7901 | 2.0774 | 1.7612 | 1.7009 | 1.9473 | 1.9869 | 2.1045 | 0.8374 |
| | 1.9974 | 1.7222 | 2.0347 | 2.0902 | 1.8261 | 1.7947 | 1.6837 | 3.7784 |
| 11 | 1.8040 | 2.0476 | 1.7029 | 1.9658 | 1.6334 | 1.8063 | 1.8953 | 0.7720 |
| | 1.9174 | 1.7016 | 2.0880 | 1.8934 | 2.2598 | 2.0397 | 1.9645 | 4.2117 |
| 12 | 2.1298 | 1.9138 | 1.9528 | 1.6348 | 1.8688 | 1.9959 | 1.1670 | |
| | 1.6190 | 1.8051 | 1.8210 | 2.2581 | 1.9487 | 1.8311 | 2.8861 | |
| 13 | 2.0866 | 2.0726 | 1.9989 | 1.8142 | 2.0015 | 1.3473 | 0.6066 | |
| | 1.6484 | 1.6687 | 1.7842 | 2.0341 | 1.8267 | 2.4733 | 5.3349 | |
| 14 | 2.1774 | 2.1633 | 2.1225 | 1.9194 | 1.1764 | 0.6086 | | |
| | 1.5757 | 1.5940 | 1.6711 | 1.9389 | 2.8649 | 5.3194 | | |
| 15 | 1.0047 | 0.8966 | 0.9426 | 0.7975 | F-SUB-Q | | | |
| | 3.0544 | 3.4467 | 3.3098 | 4.0806 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.9042 | 1.7642 | 1.7464 | 1.7617 | 2.0875 | 2.0451 | 2.1410 | 0.9816 |
| | 2.0693 | 2.2398 | 2.1627 | 2.0722 | 1.7392 | 1.7664 | 1.6825 | 3.2831 |
| 9 | 1.7642 | 2.0334 | 2.0300 | 2.0039 | 1.8682 | 2.0291 | 2.1266 | 0.9717 |
| | 2.2398 | 1.9294 | 1.8605 | 1.8327 | 1.9479 | 1.7906 | 1.7030 | 3.3226 |
| 10 | 1.7464 | 2.0305 | 1.7168 | 1.6593 | 1.9091 | 1.9491 | 2.0719 | 0.8185 |
| | 2.1627 | 1.8601 | 2.2046 | 2.2629 | 1.9621 | 1.9244 | 1.7981 | 4.0653 |
| 11 | 1.7617 | 2.0047 | 1.6614 | 1.9259 | 1.5967 | 1.7742 | 1.8676 | 0.7551 |
| | 2.0722 | 1.8319 | 2.2603 | 2.0210 | 2.4016 | 2.1639 | 2.0750 | 4.5338 |
| 12 | 2.0875 | 1.8702 | 1.9147 | 1.5981 | 1.8326 | 1.9632 | 1.1427 | |
| | 1.7392 | 1.9460 | 1.9564 | 2.3997 | 2.0782 | 1.9456 | 3.0664 | |
| 13 | 2.0451 | 2.0320 | 1.9612 | 1.7821 | 1.9688 | 1.3179 | 0.5911 | |
| | 1.7664 | 1.7883 | 1.9128 | 2.1576 | 1.9406 | 2.6551 | 5.7415 | |
| 14 | 2.1410 | 2.1276 | 2.0901 | 1.8917 | 1.1521 | 0.5931 | | |
| | 1.6825 | 1.7024 | 1.7839 | 2.0495 | 3.0431 | 5.7239 | | |
| 15 | 0.9816 | 0.8766 | 0.9225 | 0.7801 | F-SUB-Q | | | |
| | 3.2831 | 3.7040 | 3.5568 | 4.3918 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.8632 | 1.7185 | 1.7015 | 1.7181 | 2.0445 | 2.0011 | 2.1025 | 0.9547 |
| | 2.2461 | 2.4168 | 2.3753 | 2.2699 | 1.8932 | 1.9200 | 1.8217 | 3.5801 |
| 9 | 1.7185 | 1.9884 | 1.9819 | 1.9604 | 1.8230 | 1.9853 | 2.0882 | 0.9442 |
| | 2.4168 | 2.0868 | 2.0381 | 1.9987 | 2.1277 | 1.9466 | 1.8439 | 3.6276 |
| 10 | 1.7015 | 1.9824 | 1.6722 | 1.6172 | 1.8711 | 1.9080 | 2.0362 | 0.7947 |
| | 2.3753 | 2.0376 | 2.4226 | 2.4846 | 2.1346 | 2.0922 | 1.9467 | 4.4403 |
| 11 | 1.7181 | 1.9613 | 1.6193 | 1.8856 | 1.5584 | 1.7412 | 1.8361 | 0.7339 |
| | 2.2699 | 1.9978 | 2.4817 | 2.1820 | 2.6023 | 2.3263 | 2.2149 | 4.9425 |
| 12 | 2.0445 | 1.8250 | 1.8767 | 1.5598 | 1.7941 | 1.9284 | 1.1104 | |
| | 1.8932 | 2.1254 | 2.1284 | 2.6002 | 2.2463 | 2.0905 | 3.3256 | |
| 13 | 2.0011 | 1.9884 | 1.9202 | 1.7502 | 1.9340 | 1.2824 | 0.5731 | |
| | 1.9200 | 1.9440 | 2.0794 | 2.3195 | 2.0852 | 2.8792 | 6.2310 | |
| 14 | 2.1025 | 2.0895 | 2.0545 | 1.8601 | 1.1196 | 0.5750 | | |
| | 1.8217 | 1.8431 | 1.9306 | 2.1877 | 3.3002 | 6.2120 | | |
| 15 | 0.9547 | 0.8494 | 0.8975 | 0.7582 | F-SUB-Q | | | |
| | 3.5801 | 4.0531 | 3.8761 | 4.7923 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7786 | 1.6452 | 1.6300 | 1.6467 | 1.9572 | 1.9203 | 2.0140 | 0.9277 |
| | 2.4974 | 2.6899 | 2.6256 | 2.4877 | 2.0726 | 2.0997 | 1.9973 | 3.8616 |
| 9 | 1.6452 | 1.9011 | 1.8980 | 1.8752 | 1.7483 | 1.9051 | 2.0005 | 0.9207 |
| | 2.6899 | 2.3289 | 2.2555 | 2.1973 | 2.3242 | 2.1269 | 2.0198 | 3.8955 |
| 10 | 1.6300 | 1.8986 | 1.6011 | 1.5499 | 1.7885 | 1.8321 | 1.9534 | 0.7801 |
| | 2.6256 | 2.2548 | 2.6830 | 2.7331 | 2.3373 | 2.2786 | 2.1221 | 4.7167 |
| 11 | 1.6467 | 1.8761 | 1.5519 | 1.8054 | 1.4954 | 1.6665 | 1.7622 | 0.7182 |
| | 2.4877 | 2.1962 | 2.7296 | 2.4170 | 2.9003 | 2.5945 | 2.4406 | 5.2485 |
| 12 | 1.9572 | 1.7501 | 1.7940 | 1.4967 | 1.7224 | 1.8492 | 1.0860 | |
| | 2.0726 | 2.3217 | 2.3299 | 2.8979 | 2.5061 | 2.3338 | 3.6317 | |
| 13 | 1.9203 | 1.9083 | 1.8440 | 1.6787 | 1.8546 | 1.2478 | 0.5595 | |
| | 2.0997 | 2.1234 | 2.2638 | 2.5669 | 2.3277 | 3.1691 | 6.8177 | |
| 14 | 2.0140 | 2.0019 | 1.9713 | 1.7855 | 1.0951 | 0.5614 | | |
| | 1.9973 | 2.0183 | 2.1025 | 2.4104 | 3.6029 | 6.7967 | | |
| 15 | 0.9277 | 0.8355 | 0.8774 | 0.7423 | F-SUB-Q | | | |
| | 3.8616 | 4.3158 | 4.1326 | 5.0804 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.7448 | 1.6018 | 1.5872 | 1.6048 | 1.9192 | 1.8790 | 1.9821 | 0.8933 |
| | 2.7359 | 2.9733 | 2.8118 | 2.6615 | 2.1983 | 2.2220 | 2.0986 | 4.1324 |
| 9 | 1.6018 | 1.8617 | 1.8538 | 1.8377 | 1.7042 | 1.8642 | 1.9689 | 0.8842 |
| | 2.9733 | 2.5105 | 2.4064 | 2.3315 | 2.4820 | 2.2526 | 2.1239 | 4.1824 |
| 10 | 1.5872 | 1.8545 | 1.5587 | 1.5090 | 1.7572 | 1.7934 | 1.9229 | 0.7450 |
| | 2.8118 | 2.4056 | 2.8718 | 2.9263 | 2.4777 | 2.4209 | 2.2391 | 5.1155 |
| 11 | 1.6048 | 1.8387 | 1.5110 | 1.7697 | 1.4581 | 1.6391 | 1.7351 | 0.6879 |
| | 2.6615 | 2.3304 | 2.9225 | 2.6205 | 3.1832 | 2.8019 | 2.6137 | 5.6950 |
| 12 | 1.9192 | 1.7063 | 1.7628 | 1.4595 | 1.6863 | 1.8193 | 1.0424 | |
| | 2.1983 | 2.4792 | 2.4699 | 3.1805 | 2.7463 | 2.5410 | 4.0333 | |
| 13 | 1.8790 | 1.8675 | 1.8057 | 1.6536 | 1.8247 | 1.2022 | 0.5350 | |
| | 2.2220 | 2.2490 | 2.4052 | 2.7697 | 2.5342 | 3.5342 | 7.6373 | |
| 14 | 1.9821 | 1.9704 | 1.9409 | 1.7583 | 1.0512 | 0.5368 | | |
| | 2.0986 | 2.1225 | 2.2192 | 2.5772 | 4.0015 | 7.6130 | | |
| 15 | 0.8933 | 0.7977 | 0.8426 | 0.7109 | F-SUB-Q | | | |
| | 4.1324 | 4.6616 | 4.4584 | 5.5126 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.6825 | 1.5410 | 1.5276 | 1.5454 | 1.8523 | 1.8133 | 1.9167 | 0.8606 |
| | 2.7420 | 2.9807 | 2.9897 | 2.8579 | 2.3794 | 2.4007 | 2.2619 | 4.4596 |
| 9 | 1.5410 | 1.7947 | 1.7864 | 1.7735 | 1.6417 | 1.7993 | 1.9041 | 0.8528 |
| | 2.9807 | 2.5722 | 2.5701 | 2.5089 | 2.6927 | 2.4335 | 2.2889 | 4.5089 |
| 10 | 1.5276 | 1.7872 | 1.4994 | 1.4523 | 1.6962 | 1.7318 | 1.8609 | 0.7189 |
| | 2.9897 | 2.5691 | 3.0600 | 3.1459 | 2.6799 | 2.6134 | 2.4102 | 5.5093 |
| 11 | 1.5454 | 1.7745 | 1.4544 | 1.7078 | 1.4053 | 1.5842 | 1.6800 | 0.6634 |
| | 2.8579 | 2.5076 | 3.1417 | 2.7333 | 3.3344 | 2.9666 | 2.8117 | 6.1397 |
| 12 | 1.8523 | 1.6437 | 1.7018 | 1.4066 | 1.6286 | 1.7599 | 1.0064 | |
| | 2.3794 | 2.6896 | 2.6713 | 3.3290 | 2.9366 | 2.7178 | 4.3242 | |
| 13 | 1.8133 | 1.8027 | 1.7444 | 1.6007 | 1.7652 | 1.1596 | 0.5149 | |
| | 2.4007 | 2.4294 | 2.5962 | 2.9534 | 2.7101 | 3.8062 | 8.3011 | |
| 14 | 1.9167 | 1.9058 | 1.8787 | 1.7027 | 1.0150 | 0.5166 | | |
| | 2.2619 | 2.2871 | 2.3876 | 2.7728 | 4.2887 | 8.2732 | | |
| 15 | 0.8606 | 0.7700 | 0.8133 | 0.6857 | F-SUB-Q | | | |
| | 4.4596 | 5.0218 | 4.8005 | 5.9438 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5977 | 1.4668 | 1.4545 | 1.4723 | 1.7630 | 1.7295 | 1.8257 | 0.8289 |
| | 2.7806 | 3.0147 | 2.8948 | 2.7710 | 2.3272 | 2.3860 | 2.2594 | 4.4546 |
| 9 | 1.4668 | 1.7065 | 1.7009 | 1.6854 | 1.5644 | 1.7158 | 1.8136 | 0.8232 |
| | 3.0147 | 2.5836 | 2.4881 | 2.4391 | 2.6244 | 2.4248 | 2.2905 | 4.4965 |
| 10 | 1.4545 | 1.7017 | 1.4274 | 1.3839 | 1.6126 | 1.6524 | 1.7749 | 0.6982 |
| | 2.8948 | 2.4871 | 2.9666 | 3.0461 | 2.6520 | 2.6234 | 2.4336 | 5.5053 |
| 11 | 1.4723 | 1.6863 | 1.3859 | 1.6257 | 1.3397 | 1.5099 | 1.6026 | 0.6427 |
| | 2.7710 | 2.4378 | 3.0419 | 2.7579 | 3.3748 | 3.0078 | 2.8514 | 6.2354 |
| 12 | 1.7630 | 1.5662 | 1.6179 | 1.3410 | 1.5535 | 1.6779 | 0.9740 | |
| | 2.3272 | 2.6216 | 2.6434 | 3.3692 | 2.9737 | 2.7543 | 4.3169 | |
| 13 | 1.7295 | 1.7191 | 1.6649 | 1.5265 | 1.6831 | 1.1179 | 0.4975 | |
| | 2.3860 | 2.4205 | 2.6070 | 2.9916 | 2.7464 | 3.8169 | 8.3059 | |
| 14 | 1.8257 | 1.8155 | 1.7922 | 1.6245 | 0.9823 | 0.4993 | | |
| | 2.2594 | 2.2885 | 2.4159 | 2.8152 | 4.2812 | 8.2776 | | |
| 15 | 0.8289 | 0.7481 | 0.7872 | 0.6646 | F-SUB-Q | | | |
| | 4.4546 | 4.9742 | 4.8180 | 6.0363 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.5539 | 1.4161 | 1.4048 | 1.4225 | 1.7131 | 1.6776 | 1.7812 | 0.7912 |
| | 2.6474 | 2.8869 | 2.7820 | 2.6664 | 2.2281 | 2.2875 | 2.1544 | 4.3442 |
| 9 | 1.4161 | 1.6566 | 1.6474 | 1.6403 | 1.5121 | 1.6647 | 1.7696 | 0.7844 |
| | 2.8869 | 2.4672 | 2.3850 | 2.3303 | 2.5264 | 2.3243 | 2.1838 | 4.3974 |
| 10 | 1.4048 | 1.6482 | 1.3778 | 1.3355 | 1.5701 | 1.6045 | 1.7319 | 0.6616 |
| | 2.7820 | 2.3839 | 2.8521 | 2.9328 | 2.5330 | 2.5138 | 2.3206 | 5.4092 |
| 11 | 1.4225 | 1.6412 | 1.3376 | 1.5795 | 1.2953 | 1.4740 | 1.5645 | 0.6106 |
| | 2.6664 | 2.3291 | 2.9286 | 2.6293 | 3.2219 | 2.8499 | 2.7002 | 6.1075 |
| 12 | 1.7131 | 1.5141 | 1.5754 | 1.2965 | 1.5095 | 1.6362 | 0.9272 | |
| | 2.2281 | 2.5238 | 2.5247 | 3.2168 | 2.8406 | 2.6120 | 4.1584 | |
| 13 | 1.6776 | 1.6682 | 1.6169 | 1.4905 | 1.6413 | 1.0683 | 0.4719 | |
| | 2.2875 | 2.3201 | 2.4974 | 2.8338 | 2.6048 | 3.6728 | 7.9650 | |
| 14 | 1.7812 | 1.7716 | 1.7491 | 1.5861 | 0.9353 | 0.4736 | | |
| | 2.1544 | 2.1818 | 2.3033 | 2.6670 | 4.1251 | 7.9389 | | |
| 15 | 0.7912 | 0.7082 | 0.7500 | 0.6314 | F-SUB-Q | | | |
| | 4.3442 | 4.8928 | 4.7086 | 5.9126 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4928 | 1.3563 | 1.3457 | 1.3635 | 1.6462 | 1.6118 | 1.7161 | 0.7563 |
| | 2.4221 | 2.6504 | 2.5974 | 2.4978 | 2.0914 | 2.1551 | 2.0223 | 4.0754 |
| 9 | 1.3563 | 1.5907 | 1.5803 | 1.5768 | 1.4493 | 1.5993 | 1.7049 | 0.7499 |
| | 2.6504 | 2.2756 | 2.2277 | 2.1771 | 2.3747 | 2.1868 | 2.0480 | 4.1263 |
| 10 | 1.3457 | 1.5811 | 1.3194 | 1.2794 | 1.5094 | 1.5427 | 1.6699 | 0.6316 |
| | 2.5974 | 2.2266 | 2.6599 | 2.7335 | 2.3630 | 2.3518 | 2.1664 | 5.0571 |
| 11 | 1.3635 | 1.5777 | 1.2815 | 1.5178 | 1.2420 | 1.4215 | 1.5089 | 0.5835 |
| | 2.4978 | 2.1760 | 2.7296 | 2.4083 | 2.9551 | 2.6068 | 2.4688 | 5.6658 |
| 12 | 1.6462 | 1.4512 | 1.5147 | 1.2432 | 1.4524 | 1.5767 | 0.8867 | |
| | 2.0914 | 2.3723 | 2.3556 | 2.9503 | 2.6021 | 2.3879 | 3.8336 | |
| 13 | 1.6118 | 1.6028 | 1.5548 | 1.4375 | 1.5816 | 1.0222 | 0.4498 | |
| | 2.1551 | 2.1828 | 2.3366 | 2.5906 | 2.3812 | 3.3843 | 7.3777 | |
| 14 | 1.7161 | 1.7070 | 1.6868 | 1.5300 | 0.8944 | 0.4514 | | |
| | 2.0223 | 2.0461 | 2.1490 | 2.4380 | 3.8024 | 7.3531 | | |
| 15 | 0.7563 | 0.6750 | 0.7173 | 0.6034 | F-SUB-Q | | | |
| | 4.0754 | 4.5986 | 4.3965 | 5.4885 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.4266 | 1.2945 | 1.2850 | 1.3020 | 1.5740 | 1.5409 | 1.6425 | 0.7238 |
| | 2.2361 | 2.4453 | 2.3620 | 2.2763 | 1.9055 | 1.9650 | 1.8426 | 3.7237 |
| 9 | 1.2945 | 1.5203 | 1.5102 | 1.5072 | 1.3840 | 1.5291 | 1.6319 | 0.7181 |
| | 2.4453 | 2.0788 | 2.0236 | 1.9823 | 2.1656 | 1.9933 | 1.8655 | 3.7619 |
| 10 | 1.2850 | 1.5110 | 1.2592 | 1.2215 | 1.4429 | 1.4759 | 1.5994 | 0.6063 |
| | 2.3620 | 2.0225 | 2.4189 | 2.4865 | 2.1510 | 2.1392 | 1.9696 | 4.6003 |
| 11 | 1.3020 | 1.5080 | 1.2235 | 1.4520 | 1.1867 | 1.3614 | 1.4456 | 0.5595 |
| | 2.2763 | 1.9813 | 2.4828 | 2.2137 | 2.7394 | 2.4138 | 2.2801 | 5.1472 |
| 12 | 1.5740 | 1.3858 | 1.4481 | 1.1879 | 1.3901 | 1.5099 | 0.8511 | |
| | 1.9055 | 2.1634 | 2.1441 | 2.7349 | 2.4167 | 2.2156 | 3.5544 | |
| 13 | 1.5409 | 1.5325 | 1.4877 | 1.3770 | 1.5147 | 0.9795 | 0.4308 | |
| | 1.9651 | 1.9896 | 2.1250 | 2.3944 | 2.2094 | 3.1391 | 6.8616 | |
| 14 | 1.6425 | 1.6341 | 1.6159 | 1.4660 | 0.8586 | 0.4324 | | |
| | 1.8426 | 1.8636 | 1.9520 | 2.2509 | 3.5248 | 6.8387 | | |
| 15 | 0.7238 | 0.6497 | 0.6883 | 0.5787 | F-SUB-Q | | | |
| | 3.7237 | 4.1785 | 4.0008 | 4.9854 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3513 | 1.2291 | 1.2203 | 1.2367 | 1.4928 | 1.4632 | 1.5574 | 0.6940 |
| | 2.2474 | 2.4521 | 2.3581 | 2.2778 | 1.9111 | 1.9693 | 1.8498 | 3.7088 |
| 9 | 1.2291 | 1.4417 | 1.4336 | 1.4276 | 1.3142 | 1.4516 | 1.5473 | 0.6900 |
| | 2.4521 | 2.0742 | 2.0199 | 1.9887 | 2.1679 | 1.9967 | 1.8720 | 3.7366 |
| 10 | 1.2203 | 1.4345 | 1.1955 | 1.1611 | 1.3667 | 1.4018 | 1.5182 | 0.5856 |
| | 2.3581 | 2.0188 | 2.4148 | 2.4810 | 2.1565 | 2.1370 | 1.9702 | 4.5380 |
| 11 | 1.2367 | 1.4285 | 1.1629 | 1.3778 | 1.1274 | 1.2920 | 1.3725 | 0.5395 |
| | 2.2778 | 1.9876 | 2.4773 | 2.2130 | 2.7493 | 2.4303 | 2.2841 | 5.0685 |
| 12 | 1.4928 | 1.3158 | 1.3716 | 1.1285 | 1.3213 | 1.4333 | 0.8202 | |
| | 1.9111 | 2.1656 | 2.1495 | 2.7447 | 2.4309 | 2.2308 | 3.5230 | |
| 13 | 1.4632 | 1.4550 | 1.4132 | 1.3069 | 1.4379 | 0.9403 | 0.4145 | |
| | 1.9693 | 1.9928 | 2.1227 | 2.4044 | 2.2242 | 3.1318 | 6.8456 | |
| 14 | 1.5574 | 1.5494 | 1.5340 | 1.3921 | 0.8274 | 0.4160 | | |
| | 1.8498 | 1.8699 | 1.9512 | 2.2526 | 3.4935 | 6.8218 | | |
| 15 | 0.6940 | 0.6281 | 0.6627 | 0.5581 | F-SUB-Q | | | |
| | 3.7088 | 4.1262 | 3.9587 | 4.9083 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3135 | 1.1853 | 1.1772 | 1.1930 | 1.4479 | 1.4148 | 1.5150 | 0.6590 |
| | 2.0446 | 2.2350 | 2.1674 | 2.1001 | 1.7544 | 1.8138 | 1.6944 | 3.4898 |
| 9 | 1.1853 | 1.3984 | 1.3868 | 1.3883 | 1.2676 | 1.4040 | 1.5054 | 0.6543 |
| | 2.2350 | 1.8907 | 1.8510 | 1.8190 | 2.0010 | 1.8375 | 1.7136 | 3.5284 |
| 10 | 1.1772 | 1.3877 | 1.1527 | 1.1188 | 1.3284 | 1.3567 | 1.4765 | 0.5512 |
| | 2.1674 | 1.8499 | 2.2187 | 2.2833 | 1.9696 | 1.9593 | 1.7974 | 4.2964 |
| 11 | 1.1930 | 1.3891 | 1.1207 | 1.3369 | 1.0878 | 1.2573 | 1.3351 | 0.5092 |
| | 2.1001 | 1.8180 | 2.2798 | 2.0125 | 2.5223 | 2.2002 | 2.0719 | 4.7629 |
| 12 | 1.4479 | 1.2693 | 1.3333 | 1.0889 | 1.2802 | 1.3939 | 0.7758 | |
| | 1.7544 | 1.9987 | 1.9631 | 2.5180 | 2.2208 | 2.0354 | 3.3179 | |
| 13 | 1.4148 | 1.4073 | 1.3678 | 1.2718 | 1.3984 | 0.8943 | 0.3911 | |
| | 1.8138 | 1.8337 | 1.9460 | 2.1768 | 2.0295 | 2.9201 | 6.4557 | |
| 14 | 1.5150 | 1.5075 | 1.4921 | 1.3542 | 0.7827 | 0.3925 | | |
| | 1.6944 | 1.7117 | 1.7802 | 2.0447 | 3.2892 | 6.4336 | | |
| 15 | 0.6590 | 0.5895 | 0.6276 | 0.5268 | F-SUB-Q | | | |
| | 3.4898 | 3.9281 | 3.7250 | 4.6130 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.2565 | 1.1330 | 1.1255 | 1.1403 | 1.3846 | 1.3527 | 1.4493 | 0.6284 |
| | 1.9024 | 2.0973 | 2.0338 | 1.9794 | 1.6543 | 1.7112 | 1.5982 | 3.3132 |
| 9 | 1.1330 | 1.3375 | 1.3268 | 1.3282 | 1.2113 | 1.3423 | 1.4400 | 0.6239 |
| | 2.0973 | 1.7648 | 1.7352 | 1.7122 | 1.8866 | 1.7318 | 1.6151 | 3.3483 |
| 10 | 1.1255 | 1.3277 | 1.1022 | 1.0697 | 1.2711 | 1.2974 | 1.4126 | 0.5255 |
| | 2.0338 | 1.7341 | 2.0806 | 2.1432 | 1.8485 | 1.8381 | 1.6864 | 4.0652 |
| 11 | 1.1403 | 1.3290 | 1.0715 | 1.2795 | 1.0402 | 1.2029 | 1.2769 | 0.4854 |
| | 1.9794 | 1.7113 | 2.1398 | 1.8777 | 2.3528 | 2.0554 | 1.9306 | 4.4794 |
| 12 | 1.3846 | 1.2130 | 1.2757 | 1.0412 | 1.2258 | 1.3343 | 0.7403 | |
| | 1.6543 | 1.8844 | 1.8424 | 2.3489 | 2.0572 | 1.8869 | 3.0892 | |
| 13 | 1.3527 | 1.3455 | 1.3081 | 1.2169 | 1.3386 | 0.8542 | 0.3729 | |
| | 1.7112 | 1.7283 | 1.8256 | 2.0329 | 1.8813 | 2.7209 | 6.0323 | |
| 14 | 1.4493 | 1.4421 | 1.4276 | 1.2953 | 0.7469 | 0.3742 | | |
| | 1.5982 | 1.6133 | 1.6702 | 1.9046 | 3.0630 | 6.0113 | | |
| 15 | 0.6284 | 0.5620 | 0.5988 | 0.5022 | F-SUB-Q | | | |
| | 3.3132 | 3.7283 | 3.5213 | 4.3385 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1779 | 1.0705 | 1.0639 | 1.0772 | 1.2997 | 1.2748 | 1.3566 | 0.6013 |
| | 1.8541 | 1.9914 | 1.9555 | 1.9135 | 1.6104 | 1.6596 | 1.5610 | 3.1765 |
| 9 | 1.0705 | 1.2553 | 1.2518 | 1.2448 | 1.1449 | 1.2651 | 1.3480 | 0.5983 |
| | 1.9914 | 1.6960 | 1.6711 | 1.6678 | 1.8231 | 1.6779 | 1.5763 | 3.1948 |
| 10 | 1.0639 | 1.2526 | 1.0422 | 1.0125 | 1.1925 | 1.2230 | 1.3230 | 0.5078 |
| | 1.9555 | 1.6700 | 1.9987 | 2.0585 | 1.7914 | 1.7708 | 1.6363 | 3.8450 |
| 11 | 1.0772 | 1.2455 | 1.0142 | 1.2034 | 0.9846 | 1.1262 | 1.1954 | 0.4677 |
| | 1.9135 | 1.6669 | 2.0553 | 1.8073 | 2.2579 | 1.9750 | 1.8581 | 4.2194 |
| 12 | 1.2997 | 1.1463 | 1.1969 | 0.9855 | 1.1558 | 1.2514 | 0.7127 | |
| | 1.6104 | 1.8212 | 1.7856 | 2.2540 | 1.9715 | 1.8201 | 2.9206 | |
| 13 | 1.2748 | 1.2681 | 1.2330 | 1.1393 | 1.2555 | 0.8191 | 0.3600 | |
| | 1.6596 | 1.6744 | 1.7588 | 1.9536 | 1.8148 | 2.5641 | 5.6679 | |
| 14 | 1.3566 | 1.3499 | 1.3370 | 1.2126 | 0.7190 | 0.3613 | | |
| | 1.5610 | 1.5745 | 1.6206 | 1.8333 | 2.8962 | 5.6486 | | |
| 15 | 0.6013 | 0.5447 | 0.5759 | 0.4840 | F-SUB-Q | | | |
| | 3.1765 | 3.5282 | 3.3464 | 4.0862 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.1300 | 1.0258 | 1.0183 | 1.0326 | 1.2407 | 1.2192 | 1.2946 | 0.5682 |
| | 1.7398 | 1.8994 | 1.8824 | 1.8475 | 1.5630 | 1.6074 | 1.5159 | 3.1245 |
| 9 | 1.0258 | 1.1969 | 1.1982 | 1.1932 | 1.0974 | 1.2103 | 1.2864 | 0.5640 |
| | 1.8994 | 1.6270 | 1.6083 | 1.6096 | 1.7605 | 1.6228 | 1.5295 | 3.1515 |
| 10 | 1.0183 | 1.1990 | 0.9982 | 0.9707 | 1.1455 | 1.1719 | 1.2619 | 0.4750 |
| | 1.8824 | 1.6072 | 1.9222 | 1.9806 | 1.7188 | 1.7006 | 1.5807 | 3.8078 |
| 11 | 1.0326 | 1.1940 | 0.9723 | 1.1534 | 0.9470 | 1.0773 | 1.1409 | 0.4387 |
| | 1.8475 | 1.6088 | 1.9775 | 1.7228 | 2.1294 | 1.8823 | 1.7828 | 4.1392 |
| 12 | 1.2407 | 1.0989 | 1.1496 | 0.9479 | 1.1076 | 1.1966 | 0.6702 | |
| | 1.5630 | 1.7584 | 1.7133 | 2.1258 | 1.8857 | 1.7464 | 2.8277 | |
| 13 | 1.2192 | 1.2131 | 1.1814 | 1.0897 | 1.2005 | 0.7729 | 0.3385 | |
| | 1.6074 | 1.6196 | 1.6892 | 1.8711 | 1.7411 | 2.5114 | 5.5609 | |
| 14 | 1.2946 | 1.2882 | 1.2754 | 1.1573 | 0.6761 | 0.3397 | | |
| | 1.5159 | 1.5278 | 1.5656 | 1.7589 | 2.8034 | 5.5412 | | |
| 15 | 0.5682 | 0.5091 | 0.5420 | 0.4539 | F-SUB-Q | | | |
| | 3.1245 | 3.5081 | 3.2932 | 4.0104 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0542 | 0.9590 | 0.9372 | 0.9655 | 1.1474 | 1.1218 | 1.1840 | 0.5354 |
| | 1.7337 | 1.8944 | 1.9158 | 1.8552 | 1.5839 | 1.6414 | 1.5571 | 3.1262 |
| 9 | 0.9590 | 1.1068 | 1.1026 | 1.1065 | 1.0205 | 1.1134 | 1.1765 | 0.5316 |
| | 1.8944 | 1.6379 | 1.6355 | 1.6289 | 1.7678 | 1.6563 | 1.5706 | 3.1498 |
| 10 | 0.9372 | 1.1034 | 0.9173 | 0.9108 | 1.0601 | 1.0828 | 1.1561 | 0.4445 |
| | 1.9158 | 1.6344 | 1.9585 | 1.9874 | 1.7379 | 1.7220 | 1.6140 | 3.8260 |
| 11 | 0.9655 | 1.1071 | 0.9125 | 1.0795 | 0.8899 | 1.0099 | 1.0550 | 0.4099 |
| | 1.8552 | 1.6280 | 1.9840 | 1.7254 | 2.0968 | 1.8687 | 1.7921 | 4.1447 |
| 12 | 1.1474 | 1.0217 | 1.0639 | 0.8915 | 1.0248 | 1.1008 | 0.6330 | |
| | 1.5839 | 1.7665 | 1.7325 | 2.0933 | 1.8727 | 1.7471 | 2.7776 | |
| 13 | 1.1218 | 1.1158 | 1.0914 | 1.0151 | 1.1044 | 0.7148 | 0.3141 | |
| | 1.6414 | 1.6532 | 1.7101 | 1.8600 | 1.7419 | 2.4957 | 5.5402 | |
| 14 | 1.1840 | 1.1780 | 1.1693 | 1.0697 | 0.6385 | 0.3152 | | |
| | 1.5571 | 1.5691 | 1.5989 | 1.7688 | 2.7545 | 5.5212 | | |
| 15 | 0.5354 | 0.4785 | 0.5087 | 0.4237 | F-SUB-Q | | | |
| | 3.1262 | 3.5188 | 3.2994 | 4.0203 | M-SUB-Q | | | |

TABLE A-4 (CONTINUED)

F-SUB-Q & M-SUB-Q VALUES (F-SUB-Q OP MARGIN) - POWER ESCALATION

AT 30% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.0435 | 0.8101 | 0.7543 | 0.8090 | 1.0935 | 0.9081 | 1.0565 | 0.4567 |
| | 1.6430 | 2.1097 | 2.2565 | 2.1058 | 1.5761 | 1.9265 | 1.6582 | 3.4995 |
| 9 | 0.8101 | 1.0517 | 0.9047 | 1.0668 | 0.8619 | 0.9009 | 1.0486 | 0.4565 |
| | 2.1097 | 1.6275 | 1.8901 | 1.6053 | 1.9899 | 1.9452 | 1.6737 | 3.5004 |
| 10 | 0.7543 | 0.9054 | 0.7355 | 0.7730 | 1.0351 | 0.8817 | 1.0146 | 0.3787 |
| | 2.2565 | 1.8887 | 2.3193 | 2.2193 | 1.6814 | 2.0046 | 1.7441 | 4.2825 |
| 11 | 0.8090 | 1.0677 | 0.7744 | 1.0385 | 0.7603 | 0.9964 | 0.9249 | 0.3476 |
| | 2.1058 | 1.6041 | 2.2157 | 1.6904 | 2.3127 | 1.7909 | 1.9364 | 4.6467 |
| 12 | 1.0935 | 0.8626 | 1.0385 | 0.7631 | 0.8404 | 0.9575 | 0.5524 | |
| | 1.5761 | 1.9885 | 1.6779 | 2.3082 | 2.1548 | 1.8948 | 3.0154 | |
| 13 | 0.9081 | 0.9028 | 0.8885 | 1.0024 | 0.9611 | 0.5925 | 0.2597 | |
| | 1.9265 | 1.9416 | 1.9906 | 1.7808 | 1.8883 | 2.8429 | 6.3470 | |
| 14 | 1.0565 | 1.0498 | 1.0257 | 0.9369 | 0.5571 | 0.2606 | | |
| | 1.6582 | 1.6723 | 1.7267 | 1.9131 | 2.9912 | 6.3254 | | |
| 15 | 0.4567 | 0.4101 | 0.4335 | 0.3581 | F-SUB-Q | | | |
| | 3.4995 | 3.9197 | 3.6904 | 4.5220 | M-SUB-Q | | | |

AT 30% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 0.3979 | 0.3389 | 0.3163 | 0.3444 | 0.4094 | 0.3465 | 0.3662 | 0.1862 |
| | 4.0556 | 4.7690 | 5.1068 | 4.7033 | 3.9703 | 4.7386 | 4.5202 | 8.1659 |
| 9 | 0.3389 | 0.3931 | 0.3455 | 0.3975 | 0.3558 | 0.3395 | 0.3633 | 0.1859 |
| | 4.7690 | 4.1043 | 4.6811 | 4.0744 | 4.5765 | 4.8797 | 4.5641 | 8.1726 |
| 10 | 0.3163 | 0.3458 | 0.3085 | 0.3327 | 0.3909 | 0.3361 | 0.3496 | 0.1675 |
| | 5.1068 | 4.6779 | 5.2501 | 4.9128 | 4.2130 | 4.9424 | 4.7781 | 9.2076 |
| 11 | 0.3444 | 0.3979 | 0.3333 | 0.3780 | 0.3262 | 0.3711 | 0.3214 | 0.1455 |
| | 4.7033 | 4.0712 | 4.9047 | 4.3767 | 5.1019 | 4.5349 | 5.2549 | *10.5501 |
| 12 | 0.4094 | 0.3561 | 0.3921 | 0.3274 | 0.3162 | 0.3331 | 0.2232 | |
| | 3.9703 | 4.5732 | 4.2026 | 5.0917 | 5.4091 | 5.1410 | 7.0548 | |
| 13 | 0.3465 | 0.3402 | 0.3377 | 0.3733 | 0.3344 | 0.2325 | 0.1113 | |
| | 4.7386 | 4.8707 | 4.9220 | 4.5098 | 5.1221 | 6.8482 | *14.0965 | |
| 14 | 0.3662 | 0.3637 | 0.3532 | 0.3254 | 0.2251 | 0.1117 | | |
| | 4.5202 | 4.5596 | 4.7329 | 5.1940 | 6.9974 | *14.0477 | | |
| 15 | 0.1862 | 0.1782 | 0.1771 | 0.1502 | F-SUB-Q | | | |
| | 8.1659 | 8.5828 | 8.5882 | *10.2460 | M-SUB-Q | | | |

TABLE A-5

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 24 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 3.1001 | 3.8392 | 4.1283 | 3.9258 | 3.2222 | 3.9960 | 3.6573 | 6.5590 |
| 9* | 3.8392 | 3.2131 | 3.9267 | 3.2398 | 3.8253 | 4.0806 | 3.6713 | 6.5475 |
| 10* | 4.1283 | 3.9260 | 4.2192 | 3.9961 | 3.2456 | 4.0279 | 3.7733 | 7.3482 |
| 11* | 3.9258 | 3.2392 | 3.9932 | 3.3410 | 4.0132 | 3.3879 | 3.9378 | 7.9430 |
| 12* | 3.2222 | 3.8239 | 3.2427 | 4.0091 | 4.1279 | 3.7022 | 5.3232 | |
| 13* | 3.9960 | 4.0792 | 4.0178 | 3.3811 | 3.6951 | 5.0031 | 9.4219 | |
| 14* | 3.6573 | 3.6747 | 3.7563 | 3.9134 | 5.2953 | 9.4010 | | |
| 15 * | 6.5590 | 7.0367 | 6.8404 | 7.7594 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 23 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3865 | 1.8359 | 1.9821 | 1.9042 | 1.4216 | 1.7961 | 1.5000 | 2.9243 |
| 9* | 1.8359 | 1.4115 | 1.7487 | 1.4257 | 1.8169 | 1.8247 | 1.5047 | 2.9198 |
| 10* | 1.9821 | 1.7484 | 2.0189 | 1.9433 | 1.4384 | 1.8160 | 1.5380 | 3.4973 |
| 11* | 1.9042 | 1.4255 | 1.9421 | 1.4256 | 1.9504 | 1.4757 | 1.6107 | 3.6000 |
| 12* | 1.4216 | 1.8163 | 1.4376 | 1.9487 | 1.8208 | 1.5141 | 2.3680 | |
| 13* | 1.7961 | 1.8237 | 1.8118 | 1.4730 | 1.5116 | 2.1654 | 4.3200 | |
| 14* | 1.5000 | 1.5065 | 1.5304 | 1.5997 | 2.3561 | 4.3110 | | |
| 15 * | 2.9243 | 3.2955 | 3.0589 | 3.5260 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 22 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.4603 | 1.6435 | 1.6977 | 1.6840 | 1.4305 | 1.5610 | 1.4112 | 2.5791 |
| 9* | 1.6435 | 1.4223 | 1.5253 | 1.4454 | 1.6164 | 1.5706 | 1.4158 | 2.5951 |
| 10* | 1.6977 | 1.5252 | 1.7210 | 1.7362 | 1.4984 | 1.6027 | 1.4217 | 3.0591 |
| 11* | 1.6840 | 1.4453 | 1.7351 | 1.4398 | 1.7406 | 1.5239 | 1.4966 | 3.1570 |
| 12* | 1.4305 | 1.6158 | 1.4977 | 1.7398 | 1.5739 | 1.3867 | 2.1230 | |
| 13* | 1.5610 | 1.5697 | 1.5992 | 1.5225 | 1.3846 | 1.8780 | 3.6936 | |
| 14* | 1.4112 | 1.4167 | 1.4131 | 1.4850 | 2.1115 | 3.6856 | | |
| 15 * | 2.5791 | 2.8883 | 2.6917 | 3.0806 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 21 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3926 | 1.5853 | 1.6116 | 1.6176 | 1.3509 | 1.4748 | 1.3095 | 2.5349 |
| 9* | 1.5853 | 1.3445 | 1.4375 | 1.3669 | 1.5493 | 1.4811 | 1.3138 | 2.5500 |
| 10* | 1.6116 | 1.4374 | 1.6310 | 1.6707 | 1.4189 | 1.5109 | 1.3219 | 3.0226 |
| 11* | 1.6176 | 1.3668 | 1.6696 | 1.3627 | 1.6717 | 1.4343 | 1.4073 | 3.1100 |
| 12* | 1.3509 | 1.5484 | 1.4169 | 1.6708 | 1.4849 | 1.2930 | 2.0936 | |
| 13* | 1.4748 | 1.4801 | 1.5053 | 1.4327 | 1.2909 | 1.8071 | 3.6344 | |
| 14* | 1.3095 | 1.3145 | 1.3131 | 1.3954 | 2.0815 | 3.6262 | | |
| 15 * | 2.5349 | 2.8688 | 2.6475 | 3.0303 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 20 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3958 | 1.6024 | 1.6267 | 1.6302 | 1.3408 | 1.4729 | 1.2919 | 2.5582 |
| 9* | 1.6024 | 1.3391 | 1.4407 | 1.3615 | 1.5577 | 1.4759 | 1.2964 | 2.5712 |
| 10* | 1.6267 | 1.4406 | 1.6465 | 1.6893 | 1.4165 | 1.5069 | 1.3034 | 3.0383 |
| 11* | 1.6302 | 1.3614 | 1.6881 | 1.3617 | 1.6886 | 1.4258 | 1.3903 | 3.1374 |
| 12* | 1.3408 | 1.5567 | 1.4143 | 1.6877 | 1.4845 | 1.2788 | 2.0995 | |
| 13* | 1.4729 | 1.4751 | 1.5008 | 1.4241 | 1.2766 | 1.8102 | 3.6921 | |
| 14* | 1.2919 | 1.2968 | 1.2940 | 1.3778 | 2.0868 | 3.6834 | | |
| 15 * | 2.5582 | 2.8821 | 2.6641 | 3.0544 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 19 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.4392 | 1.6595 | 1.6836 | 1.6821 | 1.3709 | 1.5044 | 1.3138 | 2.6228 |
| 9* | 1.6595 | 1.3765 | 1.4842 | 1.3982 | 1.6036 | 1.5084 | 1.3188 | 2.6358 |
| 10* | 1.6836 | 1.4840 | 1.7052 | 1.7478 | 1.4534 | 1.5406 | 1.3236 | 3.1006 |
| 11* | 1.6821 | 1.3981 | 1.7465 | 1.3988 | 1.7427 | 1.4565 | 1.4132 | 3.2134 |
| 12* | 1.3709 | 1.6025 | 1.4509 | 1.7417 | 1.5211 | 1.3030 | 2.1446 | |
| 13* | 1.5044 | 1.5073 | 1.5332 | 1.4544 | 1.3006 | 1.8524 | 3.8105 | |
| 14* | 1.3138 | 1.3188 | 1.3135 | 1.3999 | 2.1311 | 3.8012 | | |
| 15 * | 2.6228 | 2.9393 | 2.7254 | 3.1264 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 18 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.4923 | 1.7318 | 1.7552 | 1.7481 | 1.4109 | 1.5458 | 1.3428 | 2.7331 |
| 9* | 1.7318 | 1.4260 | 1.5390 | 1.4459 | 1.6605 | 1.5501 | 1.3477 | 2.7446 |
| 10* | 1.7552 | 1.5388 | 1.7779 | 1.8212 | 1.4963 | 1.5829 | 1.3520 | 3.2431 |
| 11* | 1.7481 | 1.4457 | 1.8195 | 1.4426 | 1.8101 | 1.4973 | 1.4455 | 3.3593 |
| 12* | 1.4109 | 1.6592 | 1.4935 | 1.8090 | 1.5658 | 1.3371 | 2.2381 | |
| 13* | 1.5458 | 1.5488 | 1.5747 | 1.4950 | 1.3345 | 1.9325 | 4.0167 | |
| 14* | 1.3428 | 1.3475 | 1.3411 | 1.4314 | 2.2237 | 4.0066 | | |
| 15 * | 2.7331 | 3.0706 | 2.8385 | 3.2669 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 17 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.5818 | 1.8380 | 1.8594 | 1.8436 | 1.4781 | 1.6147 | 1.3985 | 2.8708 |
| 9* | 1.8380 | 1.5067 | 1.6238 | 1.5229 | 1.7462 | 1.6201 | 1.4040 | 2.8829 |
| 10* | 1.8594 | 1.6236 | 1.8826 | 1.9259 | 1.5699 | 1.6552 | 1.4084 | 3.4126 |
| 11* | 1.8436 | 1.5226 | 1.9241 | 1.5195 | 1.9145 | 1.5728 | 1.5085 | 3.5431 |
| 12* | 1.4781 | 1.7448 | 1.5669 | 1.9133 | 1.6465 | 1.4027 | 2.3628 | |
| 13* | 1.6147 | 1.6185 | 1.6462 | 1.5702 | 1.3998 | 2.0453 | 4.2773 | |
| 14* | 1.3985 | 1.4036 | 1.3967 | 1.4933 | 2.3471 | 4.2662 | | |
| 15 * | 2.8708 | 3.2252 | 2.9839 | 3.4443 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 16 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.6791 | 1.9518 | 1.9705 | 1.9464 | 1.5509 | 1.6920 | 1.4601 | 3.0274 |
| 9* | 1.9518 | 1.5926 | 1.7146 | 1.6027 | 1.8396 | 1.6987 | 1.4664 | 3.0409 |
| 10* | 1.9705 | 1.7143 | 1.9946 | 2.0392 | 1.6498 | 1.7375 | 1.4729 | 3.6147 |
| 11* | 1.9464 | 1.6024 | 2.0371 | 1.6071 | 2.0349 | 1.6623 | 1.5816 | 3.7624 |
| 12* | 1.5509 | 1.8381 | 1.6465 | 2.0336 | 1.7494 | 1.4826 | 2.5190 | |
| 13* | 1.6920 | 1.6969 | 1.7278 | 1.6595 | 1.4794 | 2.1876 | 4.5865 | |
| 14* | 1.4601 | 1.4660 | 1.4603 | 1.5652 | 2.5019 | 4.5743 | | |
| 15 * | 3.0274 | 3.4150 | 3.1542 | 3.6561 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 15 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.8153 | 2.1069 | 2.1272 | 2.0927 | 1.6649 | 1.8073 | 1.5621 | 3.1915 |
| 9* | 2.1069 | 1.7213 | 1.8466 | 1.7290 | 1.9743 | 1.8145 | 1.5685 | 3.2088 |
| 10* | 2.1272 | 1.8462 | 2.1515 | 2.1952 | 1.7738 | 1.8565 | 1.5751 | 3.7852 |
| 11* | 2.0927 | 1.7287 | 2.1930 | 1.7386 | 2.1958 | 1.7962 | 1.6958 | 3.9525 |
| 12* | 1.6649 | 1.9726 | 1.7702 | 2.1943 | 1.8908 | 1.6027 | 2.6634 | |
| 13* | 1.8073 | 1.8124 | 1.8460 | 1.7930 | 1.5992 | 2.3355 | 4.8728 | |
| 14* | 1.5621 | 1.5678 | 1.5614 | 1.6774 | 2.6451 | 4.8595 | | |
| 15 * | 3.1915 | 3.5596 | 3.3188 | 3.8392 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 14 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.8869 | 2.2027 | 2.2213 | 2.1950 | 1.7391 | 1.8867 | 1.6210 | 3.3909 |
| 9* | 2.2027 | 1.7919 | 1.9353 | 1.8016 | 2.0733 | 1.8953 | 1.6285 | 3.4063 |
| 10* | 2.2213 | 1.9348 | 2.2499 | 2.2980 | 1.8532 | 1.9444 | 1.6415 | 4.0547 |
| 11* | 2.1950 | 1.8012 | 2.2958 | 1.8319 | 2.3342 | 1.8900 | 1.7749 | 4.2401 |
| 12* | 1.7391 | 2.0716 | 1.8494 | 2.3326 | 1.9943 | 1.6843 | 2.8704 | |
| 13* | 1.8867 | 1.8930 | 1.9332 | 1.8865 | 1.6806 | 2.5102 | 5.2638 | |
| 14* | 1.6210 | 1.6277 | 1.6270 | 1.7544 | 2.8504 | 5.2504 | | |
| 15 * | 3.3909 | 3.8150 | 3.5353 | 4.1184 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 13 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.9579 | 2.2855 | 2.3053 | 2.2835 | 1.8278 | 1.9986 | 1.7134 | 3.5840 |
| 9* | 2.2855 | 1.8632 | 2.0079 | 1.8755 | 2.1788 | 2.0082 | 1.7214 | 3.6004 |
| 10* | 2.3053 | 2.0073 | 2.3446 | 2.4086 | 1.9556 | 2.0611 | 1.7349 | 4.2794 |
| 11* | 2.2835 | 1.8750 | 2.4060 | 1.9188 | 2.4535 | 2.0029 | 1.8734 | 4.4706 |
| 12* | 1.8278 | 2.1769 | 1.9519 | 2.4520 | 2.1209 | 1.7882 | 3.0347 | |
| 13* | 1.9986 | 2.0057 | 2.0490 | 1.9998 | 1.7841 | 2.6766 | 5.5425 | |
| 14* | 1.7134 | 1.7205 | 1.7193 | 1.8516 | 3.0149 | 5.5283 | | |
| 15 * | 3.5840 | 4.0185 | 3.7350 | 4.3519 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 12 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.9264 | 2.2423 | 2.2602 | 2.2513 | 1.8101 | 1.9884 | 1.7131 | 3.5787 |
| 9* | 2.2423 | 1.8301 | 1.9803 | 1.8518 | 2.1581 | 2.0033 | 1.7250 | 3.5994 |
| 10* | 2.2602 | 1.9796 | 2.3004 | 2.3603 | 1.9503 | 2.0696 | 1.7548 | 4.2768 |
| 11* | 2.2513 | 1.8515 | 2.3578 | 1.9146 | 2.4792 | 2.0435 | 1.9145 | 4.5327 |
| 12* | 1.8101 | 2.1561 | 1.9459 | 2.4762 | 2.1902 | 1.8432 | 3.0862 | |
| 13* | 1.9884 | 2.0006 | 2.0572 | 2.0352 | 1.8388 | 2.7380 | 5.7318 | |
| 14* | 1.7131 | 1.7241 | 1.7402 | 1.8919 | 3.0633 | 5.7158 | | |
| 15 * | 3.5787 | 3.9844 | 3.7435 | 4.4007 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 11 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.8483 | 2.1631 | 2.1769 | 2.1635 | 1.7408 | 1.9215 | 1.6463 | 3.5074 |
| 9* | 2.1631 | 1.7555 | 1.9001 | 1.7709 | 2.0782 | 1.9347 | 1.6569 | 3.5282 |
| 10* | 2.1769 | 1.8993 | 2.2162 | 2.2757 | 1.8709 | 2.0017 | 1.6884 | 4.2078 |
| 11* | 2.1635 | 1.7705 | 2.2731 | 1.8352 | 2.3971 | 1.9631 | 1.8475 | 4.4483 |
| 12* | 1.7408 | 2.0770 | 1.8670 | 2.3940 | 2.1280 | 1.7826 | 3.0341 | |
| 13* | 1.9215 | 1.9319 | 1.9895 | 1.9575 | 1.7782 | 2.6923 | 5.6475 | |
| 14* | 1.6463 | 1.6560 | 1.6749 | 1.8254 | 3.0124 | 5.6321 | | |
| 15 * | 3.5074 | 3.9305 | 3.6682 | 4.3244 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 10 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.7461 | 2.0486 | 2.0618 | 2.0512 | 1.6425 | 1.8103 | 1.5461 | 3.3076 |
| 9* | 2.0486 | 1.6601 | 1.8006 | 1.6750 | 1.9690 | 1.8212 | 1.5551 | 3.3224 |
| 10* | 2.0618 | 1.7998 | 2.0993 | 2.1539 | 1.7605 | 1.8763 | 1.5784 | 3.9665 |
| 11* | 2.0512 | 1.6746 | 2.1514 | 1.7301 | 2.2622 | 1.8386 | 1.7163 | 4.1820 |
| 12* | 1.6425 | 1.9673 | 1.7565 | 2.2594 | 1.9873 | 1.6576 | 2.8459 | |
| 13* | 1.8103 | 1.8184 | 1.8649 | 1.8263 | 1.6537 | 2.5190 | 5.3296 | |
| 14* | 1.5461 | 1.5540 | 1.5644 | 1.6961 | 2.8250 | 5.3148 | | |
| 15 * | 3.3076 | 3.7212 | 3.4480 | 4.0616 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 9 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.6503 | 1.9387 | 1.9509 | 1.9414 | 1.5492 | 1.7054 | 1.4549 | 3.1281 |
| 9* | 1.9387 | 1.5668 | 1.6996 | 1.5827 | 1.8613 | 1.7155 | 1.4632 | 3.1401 |
| 10* | 1.9509 | 1.6988 | 1.9875 | 2.0384 | 1.6615 | 1.7651 | 1.4821 | 3.7378 |
| 11* | 1.9414 | 1.5823 | 2.0360 | 1.6331 | 2.1356 | 1.7302 | 1.6105 | 3.9417 |
| 12* | 1.5492 | 1.8595 | 1.6575 | 2.1335 | 1.8643 | 1.5543 | 2.6734 | |
| 13* | 1.7054 | 1.7127 | 1.7540 | 1.7153 | 1.5505 | 2.3658 | 5.0313 | |
| 14* | 1.4549 | 1.4618 | 1.4680 | 1.5911 | 2.6533 | 5.0169 | | |
| 15 * | 3.1281 | 3.5005 | 3.2499 | 3.8268 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 8 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.5820 | 1.8549 | 1.8665 | 1.8573 | 1.4814 | 1.6262 | 1.3892 | 2.9701 |
| 9* | 1.8549 | 1.4986 | 1.6238 | 1.5153 | 1.7800 | 1.6358 | 1.3968 | 2.9805 |
| 10* | 1.8665 | 1.6230 | 1.9027 | 1.9497 | 1.5918 | 1.6815 | 1.4115 | 3.5207 |
| 11* | 1.8573 | 1.5148 | 1.9472 | 1.5643 | 2.0363 | 1.6501 | 1.5337 | 3.7171 |
| 12* | 1.4814 | 1.7782 | 1.5878 | 2.0348 | 1.7675 | 1.4765 | 2.5135 | |
| 13* | 1.6262 | 1.6329 | 1.6704 | 1.6355 | 1.4728 | 2.2268 | 4.7499 | |
| 14* | 1.3892 | 1.3953 | 1.3976 | 1.5147 | 2.4943 | 4.7362 | | |
| 15 * | 2.9701 | 3.2963 | 3.0702 | 3.6071 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 7 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.4844 | 1.7564 | 1.7671 | 1.7586 | 1.3932 | 1.5311 | 1.3002 | 2.8624 |
| 9* | 1.7564 | 1.4101 | 1.5310 | 1.4244 | 1.6834 | 1.5398 | 1.3070 | 2.8702 |
| 10* | 1.7671 | 1.5301 | 1.8026 | 1.8494 | 1.4944 | 1.5812 | 1.3198 | 3.4225 |
| 11* | 1.7586 | 1.4240 | 1.8470 | 1.4688 | 1.9213 | 1.5435 | 1.4344 | 3.6022 |
| 12* | 1.3932 | 1.6817 | 1.4905 | 1.9200 | 1.6481 | 1.3758 | 2.4220 | |
| 13* | 1.5311 | 1.5370 | 1.5705 | 1.5298 | 1.3722 | 2.1258 | 4.5907 | |
| 14* | 1.3002 | 1.3055 | 1.3064 | 1.4162 | 2.4032 | 4.5772 | | |
| 15 * | 2.8624 | 3.2146 | 2.9657 | 3.4948 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 6 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.4178 | 1.6822 | 1.6934 | 1.6863 | 1.3363 | 1.4684 | 1.2462 | 2.7673 |
| 9* | 1.6823 | 1.3474 | 1.4631 | 1.3628 | 1.6142 | 1.4766 | 1.2523 | 2.7737 |
| 10* | 1.6934 | 1.4623 | 1.7282 | 1.7733 | 1.4331 | 1.5147 | 1.2626 | 3.3082 |
| 11* | 1.6863 | 1.3624 | 1.7709 | 1.4030 | 1.8344 | 1.4744 | 1.3728 | 3.4815 |
| 12* | 1.3363 | 1.6132 | 1.4295 | 1.8330 | 1.5688 | 1.3123 | 2.3299 | |
| 13* | 1.4684 | 1.4737 | 1.5042 | 1.4648 | 1.3088 | 2.0363 | 4.4140 | |
| 14* | 1.2462 | 1.2508 | 1.2495 | 1.3551 | 2.3115 | 4.4009 | | |
| 15 * | 2.7673 | 3.1078 | 2.8626 | 3.3764 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 5 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3956 | 1.6432 | 1.6538 | 1.6470 | 1.3096 | 1.4376 | 1.2279 | 2.6817 |
| 9* | 1.6432 | 1.3228 | 1.4289 | 1.3386 | 1.5747 | 1.4453 | 1.2339 | 2.6894 |
| 10* | 1.6538 | 1.4280 | 1.6874 | 1.7301 | 1.4068 | 1.4822 | 1.2424 | 3.1725 |
| 11* | 1.6469 | 1.3379 | 1.7277 | 1.3781 | 1.7863 | 1.4511 | 1.3527 | 3.3460 |
| 12* | 1.3096 | 1.5741 | 1.4033 | 1.7850 | 1.5316 | 1.2887 | 2.2394 | |
| 13* | 1.4376 | 1.4425 | 1.4718 | 1.4437 | 1.2852 | 1.9608 | 4.2321 | |
| 14* | 1.2279 | 1.2324 | 1.2293 | 1.3349 | 2.2216 | 4.2195 | | |
| 15 * | 2.6817 | 2.9714 | 2.7617 | 3.2486 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 4 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3535 | 1.5955 | 1.6077 | 1.5975 | 1.2729 | 1.3963 | 1.1952 | 2.6434 |
| 9* | 1.5955 | 1.2898 | 1.3862 | 1.2993 | 1.5252 | 1.4031 | 1.2008 | 2.6508 |
| 10* | 1.6077 | 1.3853 | 1.6396 | 1.6809 | 1.3599 | 1.4365 | 1.2087 | 3.1601 |
| 11* | 1.5975 | 1.2988 | 1.6785 | 1.3336 | 1.7259 | 1.4044 | 1.3167 | 3.3254 |
| 12* | 1.2729 | 1.5237 | 1.3565 | 1.7246 | 1.4839 | 1.2516 | 2.2155 | |
| 13* | 1.3963 | 1.4004 | 1.4264 | 1.4014 | 1.2482 | 1.9350 | 4.2021 | |
| 14* | 1.1952 | 1.1995 | 1.1958 | 1.2993 | 2.1988 | 4.1896 | | |
| 15 * | 2.6434 | 2.9624 | 2.7334 | 3.2294 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 3 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.3600 | 1.5979 | 1.6391 | 1.6011 | 1.2830 | 1.4209 | 1.2228 | 2.6366 |
| 9* | 1.5979 | 1.3059 | 1.4105 | 1.3118 | 1.5247 | 1.4280 | 1.2288 | 2.6433 |
| 10* | 1.6391 | 1.4095 | 1.6744 | 1.6863 | 1.3751 | 1.4556 | 1.2329 | 3.1741 |
| 11* | 1.6011 | 1.3114 | 1.6838 | 1.3373 | 1.7221 | 1.4071 | 1.3297 | 3.3482 |
| 12* | 1.2830 | 1.5237 | 1.3717 | 1.7196 | 1.5083 | 1.2738 | 2.2011 | |
| 13* | 1.4209 | 1.4254 | 1.4454 | 1.4023 | 1.2702 | 1.9625 | 4.2723 | |
| 14* | 1.2228 | 1.2276 | 1.2199 | 1.3135 | 2.1847 | 4.2595 | | |
| 15 * | 2.6366 | 2.9636 | 2.7376 | 3.2539 | | | | |

TABLE A-5 (CONTINUED)

M-SUB-C VALUES (F-SUB-Q RPS MARGIN) POWER ESCALATION

AT 118% POWER, 4 EFPD, THIS IS LEVEL 2 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 1.2916 | 1.7817 | 1.9193 | 1.7999 | 1.2622 | 1.6489 | 1.2863 | 2.9261 |
| 9* | 1.7817 | 1.2913 | 1.6151 | 1.2782 | 1.7007 | 1.6601 | 1.2932 | 2.9145 |
| 10* | 1.9193 | 1.6140 | 1.9683 | 1.8702 | 1.3142 | 1.6817 | 1.3241 | 3.5306 |
| 11* | 1.7999 | 1.2776 | 1.8675 | 1.3048 | 1.9023 | 1.3413 | 1.4300 | 3.7431 |
| 12* | 1.2622 | 1.6996 | 1.3122 | 1.8980 | 1.7300 | 1.3766 | 2.3837 | |
| 13* | 1.6489 | 1.6554 | 1.6708 | 1.3355 | 1.3724 | 2.2360 | 4.9114 | |
| 14* | 1.2863 | 1.2924 | 1.3110 | 1.4133 | 2.3662 | 4.8965 | | |
| 15 * | 2.9261 | 3.2747 | 3.0410 | 3.6481 | | | | |

AT 118% POWER, 4 EFPD, THIS IS LEVEL 1 OF 24
(LEVEL 24 = TOP OF CORE, LEVEL 1 = BOTTOM)

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8* | 3.1451 | 3.9730 | 4.2755 | 3.9508 | 3.1214 | 3.9803 | 3.4417 | 6.7311 |
| 9* | 3.9730 | 3.2052 | 3.9275 | 3.1845 | 3.8401 | 4.0773 | 3.4633 | 6.7261 |
| 10* | 4.2755 | 3.9249 | 4.3810 | 4.0802 | 3.2212 | 4.0590 | 3.5700 | 7.4915 |
| 11* | 3.9508 | 3.1827 | 4.0743 | 3.3264 | 4.1436 | 3.3494 | 3.8313 | 8.4120 |
| 12* | 3.1214 | 3.8376 | 3.2144 | 4.1363 | 4.2729 | 3.6805 | 5.5165 | |
| 13* | 3.9803 | 4.0672 | 4.0410 | 3.3350 | 3.6683 | 5.3138 | 10.8215 | |
| 14* | 3.4417 | 3.4606 | 3.5381 | 3.7903 | 5.4760 | 10.7878 | | |
| 15 * | 6.7311 | 7.0692 | 6.9834 | 8.1785 | | | | |

TABLE A-6

F-DEL-H & M-DEL-H VALUES - POWER ESCALATION

AT 100% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3557 | 1.2474 | 1.2328 | 1.2424 | 1.4436 | 1.3720 | 1.4439 | 0.6927 |
| | 1.3311 | 1.4409 | 1.4468 | 1.4048 | 1.2139 | 1.2560 | 1.2336 | 2.3419 |
| 9 | 1.2474 | 1.4363 | 1.4116 | 1.4174 | 1.2956 | 1.3652 | 1.4331 | 0.6875 |
| | 1.4409 | 1.2625 | 1.2602 | 1.2541 | 1.3460 | 1.2660 | 1.2437 | 2.3705 |
| 10 | 1.2328 | 1.4121 | 1.2102 | 1.1821 | 1.3281 | 1.3257 | 1.4135 | 0.5841 |
| | 1.4468 | 1.2600 | 1.4632 | 1.4993 | 1.3549 | 1.3489 | 1.2651 | 2.8761 |
| 11 | 1.2424 | 1.4178 | 1.1834 | 1.3706 | 1.1383 | 1.2591 | 1.2990 | 0.5448 |
| | 1.4048 | 1.2536 | 1.4979 | 1.3034 | 1.5475 | 1.4130 | 1.3645 | 3.1020 |
| 12 | 1.4436 | 1.2964 | 1.3313 | 1.1398 | 1.2678 | 1.3672 | 0.8177 | |
| | 1.2139 | 1.3451 | 1.3520 | 1.5467 | 1.3644 | 1.2791 | 2.0557 | |
| 13 | 1.3720 | 1.3669 | 1.3326 | 1.2636 | 1.3704 | 0.9268 | 0.4336 | |
| | 1.2560 | 1.2650 | 1.3417 | 1.4092 | 1.2764 | 1.7898 | 3.7479 | |
| 14 | 1.4439 | 1.4341 | 1.4252 | 1.3129 | 0.8233 | 0.4348 | | |
| | 1.2336 | 1.2432 | 1.2563 | 1.3508 | 2.0432 | 3.7384 | | |
| 15 | 0.6927 | 0.6226 | 0.6577 | 0.5605 | F-DEL-H | | | |
| | 2.3419 | 2.6777 | 2.5564 | 3.0185 | M-DEL-H | | | |

AT 75% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3516 | 1.2448 | 1.2301 | 1.2424 | 1.4533 | 1.3908 | 1.4616 | 0.6903 |
| | 1.6447 | 1.7372 | 1.6719 | 1.6053 | 1.4062 | 1.4491 | 1.3995 | 2.7310 |
| 9 | 1.2448 | 1.4378 | 1.4165 | 1.4192 | 1.2994 | 1.3827 | 1.4501 | 0.6846 |
| | 1.7372 | 1.5333 | 1.4517 | 1.4667 | 1.5291 | 1.4338 | 1.4182 | 2.7660 |
| 10 | 1.2301 | 1.4170 | 1.2075 | 1.1773 | 1.3335 | 1.3387 | 1.4270 | 0.5804 |
| | 1.6719 | 1.4514 | 1.7003 | 1.7371 | 1.5531 | 1.5271 | 1.4589 | 3.3261 |
| 11 | 1.2424 | 1.4196 | 1.1787 | 1.3697 | 1.1335 | 1.2581 | 1.3024 | 0.5389 |
| | 1.6053 | 1.4660 | 1.7355 | 1.5908 | 1.8612 | 1.7382 | 1.6541 | 3.6665 |
| 12 | 1.4533 | 1.3003 | 1.3370 | 1.1351 | 1.2697 | 1.3696 | 0.8121 | |
| | 1.4062 | 1.5280 | 1.5727 | 1.8602 | 1.6317 | 1.5677 | 2.5270 | |
| 13 | 1.3908 | 1.3846 | 1.3463 | 1.2631 | 1.3731 | 0.9231 | 0.4257 | |
| | 1.4491 | 1.4326 | 1.5196 | 1.7334 | 1.5642 | 2.1861 | 4.6448 | |
| 14 | 1.4616 | 1.4513 | 1.4387 | 1.3174 | 0.8181 | 0.4270 | | |
| | 1.3995 | 1.4186 | 1.4480 | 1.6348 | 2.5106 | 4.6324 | | |
| 15 | 0.6903 | 0.6197 | 0.6540 | 0.5552 | F-DEL-H | | | |
| | 2.7310 | 3.0732 | 2.9542 | 3.5578 | M-DEL-H | | | |

TABLE A-6 (CONTINUED)

F-DEL-H & M-DEL-H VALUES - POWER ESCALATION

AT 50% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3437 | 1.2383 | 1.2237 | 1.2402 | 1.4639 | 1.4107 | 1.4813 | 0.6894 |
| | 1.4448 | 1.7127 | 1.6326 | 1.5597 | 1.3417 | 1.3606 | 1.3342 | 2.6826 |
| 9 | 1.2383 | 1.4359 | 1.4175 | 1.4181 | 1.3041 | 1.4013 | 1.4692 | 0.6833 |
| | 1.7127 | 1.4835 | 1.4120 | 1.4122 | 1.4774 | 1.3765 | 1.3544 | 2.7208 |
| 10 | 1.2237 | 1.4180 | 1.2014 | 1.1702 | 1.3389 | 1.3529 | 1.4428 | 0.5780 |
| | 1.6326 | 1.4118 | 1.6639 | 1.7058 | 1.5259 | 1.4823 | 1.4168 | 3.2963 |
| 11 | 1.2402 | 1.4186 | 1.1716 | 1.3678 | 1.1282 | 1.2580 | 1.3083 | 0.5343 |
| | 1.5597 | 1.4116 | 1.7041 | 1.5499 | 1.8125 | 1.6917 | 1.6316 | 3.6884 |
| 12 | 1.4639 | 1.3054 | 1.3428 | 1.1299 | 1.2723 | 1.3735 | 0.8082 | |
| | 1.3417 | 1.4763 | 1.5221 | 1.8114 | 1.5692 | 1.4969 | 2.4710 | |
| 13 | 1.4107 | 1.4034 | 1.3611 | 1.2634 | 1.3773 | 0.9207 | 0.4186 | |
| | 1.3606 | 1.3753 | 1.4744 | 1.6863 | 1.4936 | 2.1193 | 4.5271 | |
| 14 | 1.4813 | 1.4704 | 1.4554 | 1.3243 | 0.8146 | 0.4200 | | |
| | 1.3342 | 1.3552 | 1.4063 | 1.6141 | 2.4542 | 4.5151 | | |
| 15 | 0.6894 | 0.6183 | 0.6517 | 0.5512 | F-DEL-H | | | |
| | 2.6826 | 3.0290 | 2.9259 | 3.5725 | M-DEL-H | | | |

AT 30% POWER, 4 EFPD

| | H | G | F | E | D | C | B | A |
|---|---|---|---|---|---|---|---|---|
| 8 | 1.3353 | 1.2307 | 1.2163 | 1.2375 | 1.4740 | 1.4288 | 1.4998 | 0.6895 |
| | 1.4448 | 1.7127 | 1.6326 | 1.5597 | 1.3417 | 1.3606 | 1.3342 | 2.6826 |
| 9 | 1.2307 | 1.4325 | 1.4162 | 1.4160 | 1.3093 | 1.4181 | 1.4872 | 0.6834 |
| | 1.7127 | 1.4835 | 1.4120 | 1.4122 | 1.4774 | 1.3765 | 1.3544 | 2.7208 |
| 10 | 1.2163 | 1.4168 | 1.1946 | 1.1631 | 1.3439 | 1.3658 | 1.4578 | 0.5766 |
| | 1.6326 | 1.4118 | 1.6639 | 1.7058 | 1.5259 | 1.4823 | 1.4168 | 3.2963 |
| 11 | 1.2375 | 1.4165 | 1.1646 | 1.3658 | 1.1234 | 1.2582 | 1.3142 | 0.5308 |
| | 1.5597 | 1.4116 | 1.7041 | 1.5499 | 1.8125 | 1.6917 | 1.6316 | 3.6884 |
| 12 | 1.4740 | 1.3107 | 1.3481 | 1.1253 | 1.2745 | 1.3771 | 0.8054 | |
| | 1.3417 | 1.4763 | 1.5221 | 1.8114 | 1.5692 | 1.4969 | 2.4710 | |
| 13 | 1.4288 | 1.4205 | 1.3746 | 1.2641 | 1.3811 | 0.9190 | 0.4126 | |
| | 1.3606 | 1.3753 | 1.4744 | 1.6863 | 1.4936 | 2.1193 | 4.5271 | |
| 14 | 1.4998 | 1.4884 | 1.4711 | 1.3316 | 0.8121 | 0.4140 | | |
| | 1.3342 | 1.3552 | 1.4063 | 1.6141 | 2.4542 | 4.5151 | | |
| 15 | 0.6895 | 0.6178 | 0.6506 | 0.5483 | F-DEL-H | | | |
| | 2.6826 | 3.0290 | 2.9259 | 3.5725 | M-DEL-H | | | |