Consumers Energy

A CMS Energy Company

Palisades Nuclear Plant
27780 Blue Star Memorial Highway
Covert, MI 49043

Tel: 616 764 2276
Fax: 616 764 3265

Nathan L. Haskell
Director, Licensing and
Performance Assessment

August 31, 2000

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

DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT
ADDITIONAL INFORMATION REGARDING REACTOR VESSEL FLUENCE PROJECTIONS

In a letter dated February 21, 2000, Consumers Energy Company submitted updated estimates of reactor vessel fluence and revised projections of when the Palisades reactor vessel would reach the Pressurized Thermal Shock (PTS) screening criteria of 10 CFR 50.61. Additional supporting information was submitted on July 6, 2000 in response to an NRC Request for Additional Information dated May 25, 2000. On August 10, 2000, the staff identified four issues, characterized as "residual concerns", associated with the CASMO-4 program which was used for the revised fluence analysis. These concerns were subsequently discussed with the staff during a conference call on August 14, 2000. During this conference call a question was also raised about the relative effect of each change in fluence calculation methodology and input data when compared with the previous fluence and PTS analysis submittal in 1996. This letter responds to the four concerns raised by the staff, and provides additional discussion regarding the effects of changes in methodology from the 1996 analysis submittal.

Attachment 1 provides specific summary level responses to the four residual concerns identified by the staff on August 10 and discussed during the August 14 conference call. References are provided to the supporting information of Attachment 2 which provides the basis for each response.

Attachment 2 provides detailed information and discussions which support the responses to the residual concerns. Information is provided to permit direct comparison of CASMO-4 results with those of the widely used previous version, CASMO-3. Calculated fuel assembly average powers derived from CASMO-4 and CASMO-3 in selected fuel assemblies are also provided with their corresponding incore detector measurement results to permit comparison of both analysis methods with actual core measurements for selected cycles. This information shows that CASMO-4 agrees well with both CASMO-3 and measured data.

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Attachment 2 also discusses the approximate relative contribution of each of the major changes in methodology, modeling, and input data which were included in the Consumers Energy submittals of February 21, 2000 and July 6, 2000. This is provided for information only to permit the staff to gain perspective on the relative effect of each change on reactor vessel fluence.

As this information is reviewed, it should be recognized that the current actual rate of reactor vessel fluence accumulation has been reduced significantly below the rate that existed earlier in plant life. A series of physical changes in core design have been implemented to reduce core peripheral power levels and associated neutron leakage. Core design changes to reduce neutron leakage were first instituted at Palisades more than a decade ago, and have evolved over the years to provide a progressively lower neutron flux at the reactor vessel wall. In the current analysis the fluence accumulation rate for future fuel cycles assumes calculated flux values at the reactor vessel wall which are based on the core design of the current cycle, Cycle 15. The lower neutron leakage of the Cycle 15 core design results in a predicted fluence accumulation rate which is significantly below the rate derived from the Cycle 11 core design used for future fluence projections in our previous analysis submitted on April 4,1996. The latest NRC SER on Palisades' fluence analysis and PTS projections dated December 20, 1996, is based on this 1996 submittal. This factor alone extends the projected date for reaching the PTS screening criteria by several years beyond the date reflected in the latest NRC SER. When this fact is coupled with the various other changes that improve the accuracy of the fluence calculation methodology, we remain confident that the reactor vessel will not approach the PTS screening criteria until after the proposed license expiration date of March 24, 2011.

We appreciate the prompt attention being given to these matters by the NRC, and will continue supporting the staff to reach a final resolution. If you have any questions about this information, please contact Robert Vincent at 616-764-2559.

SUMMARY OF COMMITMENTS

This letter contains no new commitments and no revisions to existing commitments.

Nathan L. Haskell
Director, Licensing and Performance Assessment

CC Administrator, Region III, USNRC
Project Manager, NRR, USNRC
NRC Resident Inspector - Palisades

Attachment

ATTACHMENT 1

CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255

August 31, 2000

Additional Information Regarding Methodology for Reactor Vessel Fluence Projections

Summary Responses to Staff Residual Concerns Transmitted on August 10, 2000

2 Pages

Summary Responses to Staff Residual Concerns
Transmitted on August 10, 2000

Staff Concern 1

The apparent large effect on the outer fuel assemblies as a result of the changes made to the widely used and accepted CASMO-3 program

Summary Response to Concern 1

Section 1 of attachment 2 shows that the change from CASMO-3 to CASMO-4 accounts for approximately 3% of the fluence reduction on average at the limiting weld, which corresponds to approximately 435 effective full power days through cycle 22. The effect CASMO-4 has on the outer assemblies is larger in the earlier cycles with higher leakage core designs as discussed in section 1. This is expected given that peripheral assembly powers in the high leakage cores used early in plant life are three to four times higher than the peripheral assembly powers in later low leakage cores. A 5% reduction in peripheral assembly powers in a high leakage core accounts for more fluence reduction than a 5% reduction in peripheral assembly powers in a low leakage core. Section 5 of attachment 2 quantifies the actual difference in assembly powers between CASMO-3 and CASMO-4.

In addition, sections 7 and 8 of attachment 2 show comparisons of CASMO-3 and CASMO-4 pin power maps for the peripheral assemblies. In general, CASMO-4 shows a flatter pin power distribution in the earlier cycles, which tends to diminish some of the fluence reduction realized from the lower peripheral assembly powers calculated by CASMO-4. The later cycles with low leakage cores show similar pin power distributions, as expected, given the relatively modest differences between CASMO-3 and CASMO-4 results in these later cycles.

Staff Concern 2

The apparent lack of benchmarking for the new version of the CASMO-4/SIMULATE-3 program

Summary Response to Concern 2

CASMO-4 / SIMULATE-3 has been benchmarked against measured data for cycles 4 through 14. The last two submittals on the PIDAL-3 incore detector monitoring system, using CASMO-3 and CASMO-4 respectively, have focused on the later low leakage cores given that these have our highest assembly and pin powers to date, and represent the current and future core designs at Palisades. These peak powers are

located in the central power region of the core where all of the fresh fuel resides. Sections 3 and 4 of attachment 2 show benchmarks of CASMO-3 and CASMO-4 assembly powers to actual measured assembly powers for cycles 4 through 14. Table 4.1 shows that, overall, CASMO-4 models the peripheral assembly powers better than CASMO-3 for both high and low leakage cores.

Staff Concern 3

The results of the PIDAL-3 benchmark data (Palisades in-core monitoring system) which show very few, if any, differences between fluxes produced by CASMO-3/SIMULATE-3 and CASMO-4/SIMULATE-3

Summary Response to Concern 3

As discussed above, Palisades' latest PIDAL-3 submittal of April 21, 2000, which uses CASMO-4, focuses on the later low leakage cores given that these have our highest assembly and pin powers, represent the current and future core designs, and better demonstrate PIDAL-3's ability to accurately measure high peak assembly and pin powers. As stated in our response to the first concern, CASMO-4 shows very modest fluence reductions from the low leakage cores when compared to CASMO-3. Therefore, it is to be expected that the peaking factor data using CASMO-4 as illustrated in the latest PIDAL-3 submittal shows very little change compared to peaking factor data using CASMO-3.

Staff Concern 4

The lack of information provided on the specific effect of these changes on the power in the outer fuel assemblies

Summary Response to Concern 4

Attachment 2 provides specific information on the effects of using CASMO-4 in place of CASMO-3. The majority of the information focuses on the peripheral assembly powers and the effect those powers have on reactor vessel fluence. A table of contents and introductory discussion have also been provided in Attachment 2. The information provided in the introductory discussion will assist the staff in interpreting the data provided in sections 1 through 8.

ATTACHMENT 2

CONSUMERS ENERGY COMPANY
PALISADES PLANT
DOCKET 50-255

August 31, 2000

Additional Information Regarding Methodology for Reactor Vessel Fluence Projections

Detailed Data and Discussions to Support Responses to Staff Residual Concerns

316 Pages (excluding tabs)

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6 CASMO-4 vs. CASMO-3 B&W Critical Experiment Results

7 Cycles 1 to 15 CASMO-3 / SIMULATE-3 Relative Pin Powers for Outer Assemblies

8 Cycles 1 to 15 CASMO-4 / SIMULATE-3 Relative Pin Powers for Outer Assemblies

Introduction

The following information has been submitted to the NRC staff to address concerns about the CASMO-4 / SIMULATE-3 benchmarking and the model's effect on the reactor vessel fluence. Specifically, four areas of concern were raised via email.

The staffs' areas of concern cover the apparent large effect of the changes from CASMO-3 to CASMO-4 on the outer assembly powers, the apparent lack of CASMO-4 benchmarking, the results of the PIDAL-3 comparisons to CASMO-4 / SIMULATE-3, and the lack of information on the specific effect of the changes from CASMO-3 to CASMO-4 on the outer assembly powers.

The following information should answer all of the concerns raised by the NRC staff on the use of CASMO-4.

Explanation of Results

The following information is broken down into eight sections as listed in the Table of Contents:

SECTION 1

Section 1 provides general information regarding the relative contributions of the various changes to the methodology, modeling and input data as discussed in the February 21, 2000 submittal. More detailed cycle-by-cycle comparisons are provided for the changes having the greatest effect on reactor vessel calculated fluence. Section 1.2 contains a breakdown of the CASMO-4 vs. CASMO-3 effects on the calculated neutron flux for each cycle. Section 1.3 includes the effects due to the implementation of the 3-D synthesis methodology and the former plates. Sections 1.3 through 1.6 include discussions on other specific model changes. These model changes include the 3-D synthesis method, moderator temperature (as described in our RAI submitted July 7, 2000), and the UFM correction for the first 12 cycles (which was also described in the RAI submitted July 7, 2000), and the implementation of an ultra-low leakage core design in cycle 15. Other changes that were shown to result in minor changes in the calculated fluence include a small change in the vessel inner radius, the implementation of BUGLE-96, and the use of the P_5 scattering cross section approximation.

The calculated fluence for cycle 15 which is currently used for future extrapolation of fluence is approximately 29% lower than the unbiased fast neutron flux for cycle 11 in WCAP-14557. Using the same model improvements for cycle 11 and 15, cycle 15 shows a reduction of 15% in fast neutron flux. This change can be attributed to the core design in cycle 15 and future cycles. The total effect for cycles 15 through 22 due to the implementation of an ultra-low leakage core is 5.415×10^{17} [n/cm^2] which corresponds to 591 EFPDs at cycle 15 fast neutron flux levels at the limiting axial weld.

The total effect on the accrued fluence at the pressure vessel inner radius as a result of the implementation of CASMO-4 changes was calculated. The total fluence reduction due to CASMO-4 throughout the projected life of the plant is 3.98×10^{17} [n/cm^2], which corresponds to 435 effective full power days (EFPD) at cycle 15 fast neutron flux levels at the limiting axial weld, or slightly less than one projected future cycle length.

SECTION 2

Section 2 shows the layout of all 45 Incore Instruments (detectors); specifically the outside detectors numbered 1, 2, 6, 13, 34, 40, 41, 42, and 45. Detector locations 7 and 44 are used by the Reactor Vessel Level Monitoring System. Refer to this map when identifying the assemblies of interest in the PIDAL-3 comparisons vs. the two SIMULATE-3 models. In addition, cycles 1 to 15 core maps have been added to aid in identifying the individual assemblies located in the outer locations. Refer to these maps when identifying the assemblies of interest in the assembly and pin power comparisons between the two models.

SECTION 3

Section 3 shows comparisons of CASMO-3 / SIMULATE-3 vs. PIDAL-3 for cycles 4 to 14 at middle-of-cycle (MOC). Each map shows PIDAL-3 and SIMULATE-3 assembly relative power fractions and corresponding percent deviations for all 204 assembly locations. The PIDAL-3 assembly relative power fractions represent actual measured assembly powers for the locations with incore detectors. Please refer to the labels in the lower right corner of each map, and to the detector layout map in section 2 to locate the assemblies of interest. We do not have measured data for cycles 1 to 3 at this time since those cycles used only 4 levels of detectors instead of 5. PIDAL-3 is NRC approved and designed for 5 levels of detectors only.

SECTION 4

Section 4 shows comparisons of CASMO-4 / SIMULATE-3 vs. PIDAL-3 for cycles 4 to 14 at MOC. Again, each map shows PIDAL-3 and SIMULATE-3 assembly relative power fractions and corresponding percent deviations for all 204 assembly locations. Please refer to the labels in the lower right corner of each map, and to the detector layout map in section 2 to locate the assemblies of interest. In addition, section 4 includes a statistical analysis of CASMO-4 vs. CASMO-3 in Table 4.1 for the outer nine incore detectors listed in section 2.

The results from cycles 4 to 14 show that CASMO-4 has a lower standard deviation over the outer nine incore detectors. Cycle 8 shows CASMO-3's standard deviation to be considerably lower than CASMO-4 due to the relatively large deviation between calculated and measured powers for the stainless steel shield assemblies H10 and H05 in detector locations 1 and 41. The low assembly powers in these two locations exaggerate the percent difference between calculated and measured powers. The large difference between the CASMO-4 and CASMO-3 peripheral assembly powers is

due to CASMO-4 pulling power towards the center of the core and is not due to differences in how the stainless steel assemblies were modeled. At this time we cannot conclude whether the CASMO-4 or CASMO-3 cross sections are causing the deviation in these two locations or if it is due to the rhodium reaction rates feeding the detector conversion coefficients. What is important is the overall impact these assemblies have on the reactor vessel fluence is small. Table 1.2 shows that the total fluence reduction for cycle 8 at the limiting weld due to the implementation of CASMO-4 amounts to 3.8×10^{16} [n/cm^2], or 42 effective full power days of operation at cycle 15 fast neutron flux levels. This represents less gain than previous cycles with less effective full power days, since the shield assembly powers in cycle 8 are much lower in power than peripheral assemblies in previous cycles.

SECTION 5

Section 5 shows the CASMO-4 vs. CASMO-3 comparisons for the relative assembly powers in cycles 1 to 15. Cycles 1 to 9 were eighth core reflective. We have listed both absolute and percent differences. As expected, CASMO-4 shows assembly powers to be shifted inward due to generally more reactive assemblies. The larger percent differences tend to be along the core flats or 0° weld location. As discussed in section 4, cycle 8 shows the largest percent differences in the stainless steel shield assemblies.

SECTION 6

Section 6 shows the CASMO-4 vs. CASMO-3 comparisons to the core averaged relative pin powers in the six B&W cores use by the industry to benchmark such codes. Cores 1, 12, and 18 are non-gadolinia and cores 5, 14, and 20 contain gadolinia pins. Overall, as expected, CASMO-4 shows better results than CASMO-3, especially in the 3 gadolinia cores. Core 18 shows CASMO-3 to have approximately 0.5% lower standard deviation than CASMO-4, but the uncertainty on the measurements is approximately 1% on average. The pin power uncertainty component used by PIDAL-3 is based on the 3 gadolinia cores only as mandated by the NRC. CASMO-4 has an uncertainty component value of 0.0100 while CASMO-3 has a value of 0.0142.

SECTION 7

Section 7 shows the CASMO-3 / SIMULATE-3 planar averaged relative pin power maps for the peripheral assemblies from cycles 1 to 15. The pin powers are relative to the planar average pin power for the 13th plane (core midplane) for the entire core. Each cycle has an index page preceding each peripheral assembly map. The index page shows the locations of the assemblies of interest. Each assembly identification has a batch letter and a three-digit number. Ignore the first digit since it represents the SIMULATE-3 sub-batch fuel type. For example, assembly C226 is assembly C126 on the core maps in section 2. For cycle 2, batch D fuel is batch EF fuel. The assembly maps are ordered from 90° to 135° for cycles 1 to 9 and from 90° to 180° for cycles 10 to 15. Each SIMULATE-3 map shows the assembly, as it is oriented in the core. Therefore the right side of the assembly is next to the core shroud for all of the

assemblies from 90° to 135°, and the bottom side of the assembly is next to the core shroud for all of the assemblies from 135° to 180°. You do not need to rotate these maps.

SECTION 8

Section 8 shows the CASMO-4 / SIMULATE-3 planar averaged relative pin power maps for the peripheral assemblies from cycles 1 to 15. Each cycle also has an index page preceding each peripheral assembly map. The CASMO-4 pin power maps in general show a flatter power distribution across the assembly as compared to CASMO-3. This flatter CASMO-4 based pin power shape diminishes some of the fluence reduction gains made by CASMO-4, and is generally more pronounced in the earlier cycles.

In conclusion, after reviewing all of the benchmark data for CASMO-3 and CASMO-4, it is clear that CASMO-4 is the better code, not only for determining assembly and pin peaking factors, but also peripheral pin powers used for fluence analysis.

1.0 QUANTIFICATION OF RELATIVE CONTRIBUTIONS TO FLUENCE FOR EACH MODEL ENHANCEMENT

In this section, the impact on fluence which resulted from various changes in modeling and input data is investigated. Section 1.1 through 1.4 discusses the relative effect of each model change on neutron flux on a cycle-by-cycle basis. Section 1.5 discusses the impact on the PTS screening date of the historical reactor power level correction to account for feedwater flow measurement inaccuracy. Section 1.6 discusses the reduction in fluence resulting from future low-leakage core designs.

1.1 Cycle 8 Sensitivity Study of Modeling Changes

The Consumers Energy submittal of February 21, 2000 identified the various changes in methodology and input data that had been incorporated into WCAP-15353. In response to NRC questions a sensitivity study was performed to estimate the relative impact from each of the various changes on reactor vessel fluence. The baseline reference for this comparison were the unbiased results included in WCAP-14557, Revision 1, which was submitted to the NRC in a Consumers Energy letter dated April 4, 1996.

Palisades asked Westinghouse to perform a sensitivity study of all the changes in the WCAP-15353 submittal for cycle 8. Cycle 8 was chosen for this presentation, because the relative fluence reduction due to the implementation of CASMO-4 was largest for this cycle (see table 1.2).

The following changes were evaluated for cycle 8:

- Use of CASMO-4 sources instead of CASMO-3 for determining the neutron source.
- Implementation of the 3-D synthesis methodology and former plates.
- Different method for determining moderator and bypass temperature.
- Implementation of BUGLE-96 instead of BUGLE-93.
- A 0.05 cm decrease in reactor vessel inner radius to better match as built values.
- Implementation of P_5 instead of P_3 scattering approximation.

In this sensitivity study it was shown that the fluence reduction could be divided into three large categories:

- **CASMO-4 vs. CASMO-3**
  The fluence reduction as a result of the implementation of CASMO-4 is greatest in cycle 1 through 8. The cores of the latter cycles 9 through 15 have been designed to reduce flux levels by decreasing peripheral assembly powers. Therefore CASMO-4 plays a modest role in the reduction of the calculated fluence in the latter cycles compared to cycles 1 through 8. This effect is discussed in detail in section 1.2.
- **The accounting for Axial Former Plates and implementation of 3-D Synthesis methodology**
  The 3-D synthesis and the former plates were incorporated using guidance provided in DG-1053 "Calculational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence." The former plates introduce a shielding effect between the reactor core and the pressure vessel. This effect is discussed in more detail in section 1.3.
- **The implementation of a different moderator temperature, and various small effects, which are all included in 'Other'**

The moderator temperature flux reduction will be greater for cycles and azimuthal angles in which stainless steel shielding assemblies are present. This effect is due to increased scattering of neutrons in these assemblies, and the fact that there is in effect a greater distance between the inner radius of the pressure vessel and the neutron source. The following model changes lead to small changes in fluence: Implementation of BUGLE-96 instead of BUGLE-93, implementation of P_5 instead of P_3 scattering approximation, and the 0.05 cm decrease in reactor vessel inner radius to better match as built values. All these effects will be discussed further in section 1.4.

The effects of these three categories were shown for the limiting weld for cycle 6 and 8. These cycles were chosen, since the relative effect of the implementation of CASMO-4 is large in both cycles. Cycle 8 implements shielding assemblies at the location of the critical weld, whereas cycle 6 does not. The limiting weld is located at the 150 and 330 degree azimuth (which is represented by the 30 degree azimuth in tables 1.1, 1.2 and 1.4)

The total fast flux reduction for the limiting weld in cycle 6 amounts to 9.48%. Figure 1.1 shows a pie chart for the three major fast flux reduction contributors for cycle 6 at the limiting weld. The calculated value for the limiting axial weld (150, 330 degrees) for cycle 6 is:
WCAP-15353: **4.113×10^{10} [n/cm^2-sec]**
WCAP-14557, Revision 1: **4.544×10^{10} [n/cm^2-sec]**

The total fast flux reduction for the limiting weld in cycle 8 amounts to 19.2%. Figure 1.2 shows a pie chart for the three major fast flux reduction contributors for cycle 8 at the limiting weld. The calculated value for the limiting axial weld (150, 330 degrees) for cycle 8 is:
WCAP-15353: **1.796×10^{10} [n/cm^2-sec]**,
WCAP-14557, Revision 1: **2.222×10^{10} [n/cm^2-sec].**

Figure 1.1: Components of the Fast Neutron Flux Reduction at the Limiting Weld for Cycle 6.

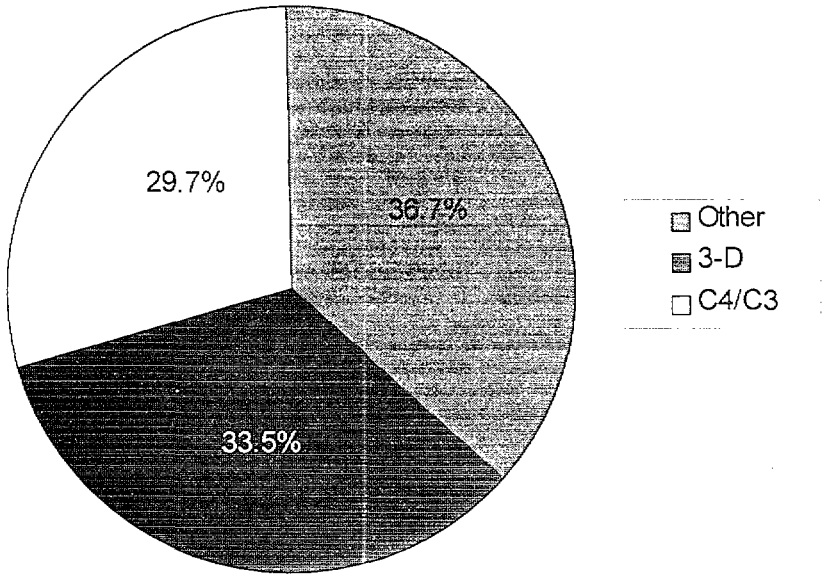
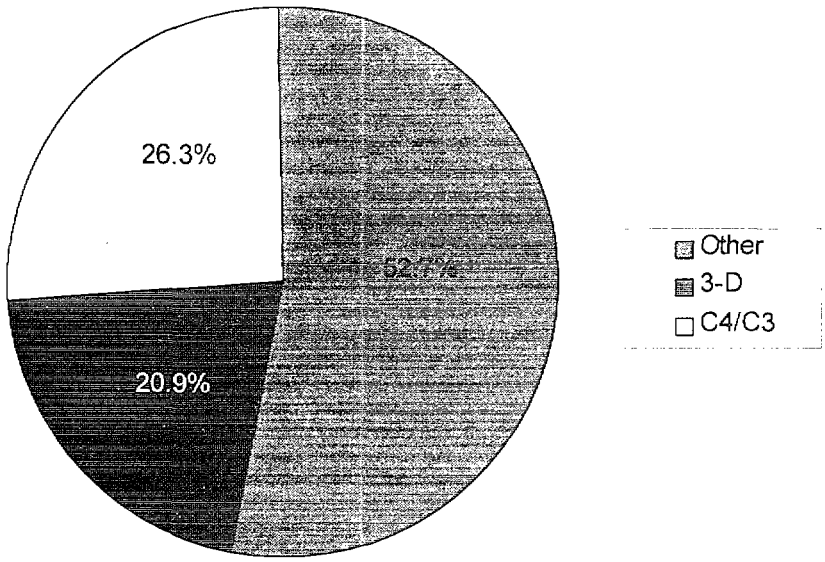


Figure 1.2: Components of the Fast Neutron Flux Reduction at the Limiting Weld for Cycle 8.



1.2 Impact of CASMO-4 vs. CASMO-3 Source Terms

The calculated maximum pressure vessel fluence provided in WCAP-14557, Revision 1, "Consumers Power Company Reactor Vessel Neutron Fluence Measurement Program for Palisades Nuclear Plant – Cycles 1 through 11," J. D. Perock and S. L. Anderson, March 1996 was based on the use of core neutron source distributions obtained from CASMO-3/SIMULATE-3 core physics calculations. In the updated analyses provided in WCAP-15353, Revision 0, "Palisades Reactor Pressure Vessel Neutron Fluence Evaluation," G. K. Roberts, et.al., January 2000, cycle dependent neutron source terms based on the use of CASMO-4/SIMULATE-3 core physics calculations were used.

An assessment of the impact on the final results of the change from CASMO-3 to CASMO-4 was performed by rerunning the WCAP-15353 Cycles 1-15 r,θ calculations with the WCAP-14557, Rev. 1 CASMO-3 source terms (except for cycles 12 through 15, which were recreated especially for this effort). In performing these calculations, all other inputs to the transport models were the same as those used in the WCAP-15353, Revision 0 analysis. The results of these analyses for the 15 cycles of operation at Palisades are given in Table 1.1.

Table 1.1: Ratio of [CASMO-4]/[CASMO-3] r,θ Calculations of ϕ(E > 1.0 MeV) at the Pressure Vessel Inner Radius

	Azimuthal Angle						
Cycle	**0 Deg.**	**15 Deg.**	**30 Deg.**	**45 Deg.**	**60 Deg.**	**75 Deg.**	**90 Deg.**
1	0.952	0.953	0.976	0.983	0.975	0.952	0.952
2	0.947	0.944	0.967	0.975	0.967	0.945	0.948
3	0.944	0.941	0.965	0.972	0.965	0.943	0.943
4	0.938	0.935	0.962	0.969	0.962	0.936	0.938
5	0.945	0.944	0.972	0.978	0.972	0.945	0.945
6	0.938	0.937	0.964	0.972	0.965	0.938	0.938
7	0.937	0.937	0.967	0.975	0.967	0.938	0.937
8	0.894	0.934	0.938	0.924	0.938	0.932	0.890
9	0.947	0.943	0.977	0.994	0.975	0.937	0.944
10	0.945	0.943	0.964	0.974	0.964	0.941	0.947
11	1.000	1.000	1.000	1.000	1.000	1.000	1.000
12	1.039	1.006	1.016	1.008	1.009	1.001	1.001
13	0.994	0.986	0.987	0.989	0.990	0.994	0.991
14	0.992	0.990	0.989	0.987	0.990	0.995	0.998
15	1.020	0.999	0.987	0.985	0.990	0.985	0.981

Table 1.1 shows that the relative fast flux reduction due to the implementation of CASMO-4 is greater for cycles 1 through 8 than the latter cycles, where the fast flux reduction is relatively modest. The average reduction of fast flux amounts to 3%.

Table 1.2 summarizes the fluence reduction due to the implementation of CASMO-4 for cycle 1 through 22 expressed in neutrons per square centimeter, and effective full power days at current (cycle 15) fluence levels for the limiting weld (150 and 330 degree). The end of cycle 22 is projected to occur on March 24, 2011. This table shows that the total reduction of fluence for cycle 1 through 22 is 3.981E+17 [n/cm^2], which corresponds to

435 EFPD (slightly less than one full cycle length) at the current cycle 15 fast flux at the limiting weld.

Table 1.2: CASMO-4 vs. CASMO-3 Impact on Accrued Fluence at the Limiting Weld:

Cycle	Length	WCAP-15353	C4/C3	(C4/C3 - 1)	Fluence Reduction	
	[EFPD]	[n/cm^2-sec]		[%]	[n/cm^2]	[EFPD]
1	379.19	3.257E+10	0.976	2.394%	2.554E+16	27.93
2	449.10	2.955E+10	0.967	3.394%	3.892E+16	42.56
3	349.50	3.827E+10	0.965	3.676%	4.248E+16	46.46
4	327.60	4.229E+10	0.962	3.974%	4.757E+16	52.02
5	394.60	4.098E+10	0.972	2.924%	4.085E+16	44.67
6	333.40	4.113E+10	0.964	3.683%	4.363E+16	47.72
7	369.90	3.909E+10	0.967	3.422%	4.276E+16	46.76
8	373.60	1.796E+10	0.938	6.627%	3.843E+16	42.03
9	298.49	1.732E+10	0.977	2.368%	1.058E+16	11.57
10	356.78	1.643E+10	0.964	3.688%	1.868E+16	20.43
11	430.51	1.252E+10	1.000	0.000%	0.000E+00	0.00
12	407.38	1.291E+10	1.016	-1.559%	-7.085E+15	-7.75
13	419.61	1.166E+10	0.987	1.276%	5.394E+15	5.90
14	449.28	1.357E+10	0.989	1.147%	6.043E+15	6.61
15	444.28	1.058E+10	0.987	1.325%	5.383E+15	5.89
16	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
17	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
18	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
19	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
20	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
21	488.00*)	1.058E+10*)	0.987	1.325%	5.913E+15	6.47
22	284.00*)	1.058E+10*)	0.987	1.325%	3.441E+15	3.76
				Total:	3.981E+17	435.37
Comment:	*) Values assumed for Extrapolation				[n/cm^2]	EFPD

1.3 Impact of Flux Synthesis and Inclusion of Former Plates

The calculated maximum pressure vessel fluence provided in WCAP-14557, Revision 1, "Consumers Power Company Reactor Vessel Neutron Fluence Measurement Program for Palisades Nuclear Plant – Cycles 1 through 11," J. D. Perock and S. L. Anderson, March 1996 was based on the results of fuel cycle specific r,θ transport calculations coupled with fuel cycle specific axial power distributions. In particular, the following relationship was used to determine the calculated maximum fluence for each fuel cycle:

$$\phi(r,\theta,z) = \phi(r,\theta)*F(z)$$

where: $\phi(r,\theta,z)$ = The calculated neutron flux (E > 1.0 MeV) at location r,θ,z. In this example, r represents the inner radius of the pressure vessel wall, θ represents the azimuthal location of the maximum vessel exposure, and z represents the axial location of the maximum vessel exposure.

$\phi(r,\theta)$ = The calculated neutron flux (E > 1.0 MeV) at location r,θ taken from the results of fuel cycle specific r,θ transport calculations.

F(z) = The average core axial peaking factor at location z taken from the fuel cycle specific core power distribution.

The use of this approach to determine the maximum exposure of the reactor pressure vessel tends to produce conservative results for two reasons. In the first instance, conservatism is introduced due to the fact that the axial flux shape tends to flatten as the neutrons propagate from the core, thus reducing the flux at the location of the maximum. In the second instance, conservatism is introduced due to the fact that the stainless steel former plates located in the bypass region between the core shroud and the core barrel at discrete axial elevations cannot be included in the analysis without the use of r,z neutron transport calculations. Since these former plates introduce a shielding effect between the reactor core and the pressure vessel, their omission from the 1996 analysis resulted in additional conservatism in the calculated pressure vessel exposure.

In order to provide more realistic calculations, the updated analyses provided in WCAP-15353, Revision 0, "Palisades Reactor Pressure Vessel Neutron Fluence Evaluation," G. K. Roberts, et al., January 2000, were based on the use of a three-dimensional synthesis technique to compute the fuel cycle specific neutron fluence distributions. The 3-D synthesis methodology was used in accordance with DG-1053 "Calculational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence." The following equation was used to perform the synthesis:

$$\phi(r,\theta,z) = [\phi(r,\theta)*\phi(r,z)]/[\phi(r)]$$

where: $\phi(r,\theta,z)$ = The calculated neutron flux (E > 1.0 MeV) at location r,θ,z. In this example, r represents the inner radius of the pressure vessel wall, θ represents the azimuthal location of the maximum vessel exposure, and z represents the axial location of the maximum vessel exposure.

$\phi(r,\theta)$ = The calculated neutron flux (E > 1.0 MeV) at location r,θ taken from the results of fuel cycle specific r,θ transport calculations.

$\phi(r,z)$ = The calculated neutron flux (E > 1.0 MeV) at location r,z taken from the fuel cycle specific r,z transport calculations based on a cylindrical representation of the reactor core.

$\phi(r)$ = The calculated neutron flux (E > 1.0 MeV) at location r taken from the fuel cycle specific one-dimensional r transport calculations also based on a cylindrical representation of the reactor core with the source per unit height identical to that used in the r,θ calculations.

Additionally, in the r,z calculations, the stainless steel former plates were explicitly included in the model.

The net impact of the synthesis treatment of the axial power distribution and the inclusion of the former plates in the r,z transport models is summarized in Table 1.3 for each of the first 11 operating fuel cycles. Note that the WCAP-14557, Revision 1 analysis only included results through the end of cycle 11.

Table 1.3:Comparison of the Flux Reduction Due to the Shielding Effect of Former Plates and the use of 2D/1D Synthesis of the Axial Power Distributions at the Pressure Vessel Inner Radius

Cycle	Former Shielding Factor	Axial Synthesis Factor	Net Factor
1	0.942	0.977	0.920
2	0.942	0.961	0.905
3	0.942	1.010	0.951
4	0.942	1.014	0.955
5	0.942	1.013	0.954
6	0.942	1.021	0.961
7	0.942	1.010	0.951
8	0.942	1.007	0.948
9	0.942	0.999	0.940
10	0.942	0.996	0.938
11	0.942	0.967	0.910

Table 1.3 shows that the fast flux reduction is mainly an effect of the implementation of the stainless steel former plates in the calculation. The axial synthesis factor is a smaller piece, due to the relatively flat axial power shapes.

1.4 Impact of Other Model Changes

In addition to the items described above, several other upgrades to the analytical models were incorporated into the WCAP-15353, Revision 0 calculations. These include:

- an upgrade from BUGLE-93 to BUGLE-96 transport cross-sections,
- a change from a P_3 to P_5 scattering cross-section approximation,
- a 0.05 cm decrease in the inner radius of the pressure vessel to more accurately represent the as-built dimensions,
- the incorporation of a multi-zoned reactor core to account for lower coolant temperatures at the core periphery and in the shroud-core barrel bypass region,
- and various physical model changes to more accurately represent the cycle dependent as-built core geometry (such as inclusion of rows of stainless steel pins in shielding assemblies for cycle 11).

The cross-section changes were introduced to improve comparisons in the reactor cavity and have negligible effect at the pressure vessel inner radius. Likewise, the small change in pressure vessel inner radius resulted in a negligible effect at the pressure vessel inner radius. Therefore, the major impact of the modeling changes is due to the implementation of a multi zoned core model, with a different temperature treatment.

The total effect of all of these other modeling changes for cycles 1-11 is provided in Table 1.4. Note that the WCAP-14557, Revision 1 analysis only included results through the end of cycle 11

Table 1.4: Summary of the Flux Reduction at the Pressure Vessel Inner Radius Due to Other Modeling Changes

	Azimuthal Angle						
Cycle	**0 Deg.**	**15 Deg.**	**30 Deg.**	**45 Deg.**	**60 Deg.**	**75 Deg.**	**90 Deg.**
1	0.983	0.995	0.997	0.972	0.997	0.995	0.983
2	0.990	1.003	1.005	0.978	1.005	1.003	0.990
3	0.964	0.975	0.943	0.950	0.943	0.975	0.964
4	0.978	0.990	0.960	0.967	0.960	0.990	0.978
5	0.976	0.988	0.959	0.967	0.959	0.988	0.976
6	0.979	0.989	0.959	0.966	0.959	0.989	0.979
7	0.977	0.988	0.957	0.965	0.957	0.988	0.977
8	0.908	0.961	0.894	0.941	0.894	0.961	0.908
9	0.974	0.990	0.951	0.972	0.951	0.990	0.974
10	0.942	0.980	0.955	0.973	0.955	0.980	0.942
11	0.894	1.015	0.938	0.929	0.938	1.015	0.894

The following conclusions can be drawn regarding the moderator and bypass temperature effects from Table 1.4:

- The flux reduction is symmetric, due to the geometry of the core, and the core designs.
- The flux reduction is in general larger at the 45 degree azimuth and smaller at the 15 and 75 degree azimuth due to the varying width of the water gap.
- The flux reduction is larger in cycles and azimuthal angles where stainless steel shielding assemblies are located. Shield assemblies were used in cycle 8 (0, 30, 60

and 90 degrees), 10 (0 and 90 degrees) and 11 (0 and 90 degrees). This effect is due to increased scattering of neutrons in these assemblies, and the fact that there is in effect a greater distance between the inner radius of the pressure vessel and the neutron source.

Tables 1.5 through 1.7 list the relatively small contributions included in the 'other' category for cycle 8 due to the implementation of BUGLE-96, P_5 cross section approximations, and the as-built pressure vessel inner radius.

Table 1.5: BUGLE-93 vs. BUGLE-96 Sensitivity

Theta [degrees]	Sensitivity Run Corrected To PV IR [n/cm^2-sec]	New WCAP-15353 Cycle 08 Fast Flux at PV IR [n/cm^2-sec]	Ratio of Sensitivity Run to WCAP-15353 Fast Flux at PV IR
0	1.466E+10	1.466E+10	1.000
15	3.855E+10	3.855E+10	1.000
30	1.781E+10	1.781E+10	1.000
45	1.342E+10	1.342E+10	1.000
60	1.741E+10	1.741E+10	1.000
75	3.860E+10	3.860E+10	1.000
90	1.467E+10	1.467E+10	1.000

Table 1.6: P_3 vs. P_5 Scattering Cross-Section Sensitivity

Theta [degrees]	Sensitivity Run Corrected to PV IR [n/cm^2-sec]	New WCAP-15353 Cycle 08 Fast Flux at PV IR [n/cm^2-sec]	Ratio of Sensitivity Run to WCAP-15353 Fast Flux at PV IR
0	1.465E+10	1.466E+10	1.000
15	3.848E+10	3.855E+10	0.998
30	1.779E+10	1.781E+10	0.999
45	1.340E+10	1.342E+10	0.998
60	1.739E+10	1.741E+10	0.999
75	3.852E+10	3.860E+10	0.998
90	1.466E+10	1.467E+10	1.000

Table 1.7: Pressure Vessel Inner Radius Sensitivity

Theta [degrees]	Sensitivity Run Corrected to PV IR [n/cm^2-sec]	New WCAP-15353 Cycle 08 Fast Flux at PV IR [n/cm^2-sec]	Ratio of Sensitivity Run to WCAP-15353 Fast Flux at PV IR
0	1.461E+10	1.466E+10	0.997
15	3.839E+10	3.855E+10	0.996
30	1.774E+10	1.781E+10	0.997
45	1.338E+10	1.342E+10	0.996
60	1.735E+10	1.741E+10	0.997
75	3.844E+10	3.860E+10	0.996
90	1.462E+10	1.467E+10	0.997

1.5 UFM Correction

Palisades uses the flow indicated by two feedwater flow venturies (one on each feedwater loop) as inputs to the heat balance power calculation. The heat balance power calculation is the main (and most accurate) method available at the plant to determine the actual reactor thermal power and to verify HFP is not exceeded. Accurate measurements of the feedwater flow are required to adequately determine reactor power.

The two feedwater flow venturies were calibrated prior to operation in cycle 1. Shortly after the beginning of cycle 1, a flow straightener detached from one of the feedwater flow lines and damaged its flow venturi. The damaged venturi was removed, repaired, and calibrated offsite prior to reinstallation at the plant. Both flow straighteners were removed from the two feedwater lines to prevent a similar occurrence.

The undamaged flow venturi, however, was not recalibrated following the removal of its flow straightener. The plant operated in this condition until mid-Cycle 13 when an Ultrasonic Flow Measurement (UFM) system was placed in service. Extensive feedwater flow measurements were conducted using the highly accurate UFMs. The measured values were input into the heat balance calculated and revealed that the reactor was operating on average approximately 2% below HFP (See RAI submittal, July 7, 2000).

In order to determine the PTS Screening Criterion date, and include the correction for operating at less than 98% power through mid-Cycle 13, the EOC burnups for cycles 1 – 13 must be adjusted. Hence, the EOC burnups for cycles 1 - 12 are at least 2% high since their "official" EOC burnups have not been corrected for operation at the lower "UFM-corrected" power level. However, the cycle 13 and subsequent cycle EOC burnups are UFM corrected. The PTS Screening criterion dates, with "UFM correction", are determined by reducing each of the cycle lengths (EFPD) for cycles 1 - 12 by 2%. This cycle length reduction results in a fluence reduction is 2.17×10^{17} [n/cm^2], which corresponds to 237 EFPD at the current cycle 15 fast flux at the limiting weld.

Table 1.8: UFM Correction

Cycle	UFM Correction Factor
1	0.98
2	0.98
3	0.98
4	0.98
5	0.98
6	0.98
7	0.98
8	0.98
9	0.98
10	0.98
11	0.98
12	0.98
13 through 15	1.00

1.6 Cycle 15 Core Design

Palisades will follow an ultra low leakage core design based on the cycle 15 design to the end of life of plant (currently estimated to occur on March 24, 2011, which in turn is estimated to occur at end of cycle 22).

In WCAP-15353, the calculated flux at the limiting weld is 1.058×10^{10} [n/cm^2-sec] for the cycle 15 core design. The cycle 15 flux which is currently used for future extrapolation of fluence is approximately 29% lower than the fast neutron flux for cycle 11, which was utilized in our previous submittal in 1996 for extrapolating future reactor vessel fluence. This value was 1.506×10^{10} [n/cm^2-sec] as reported in WCAP-14557, Revision 1 (see figure 1.3).

Using the enhanced models in WCAP-15353, the cycle 15 core design results in an approximately 15% reduction of the fast neutron flux compared to cycle 11. The calculated flux at the limiting weld in WCAP-15353 is 1.058×10^{10} [n/cm^2-sec] for the cycle 15 core design, and 1.252×10^{10} [n/cm^2-sec] for the cycle 11 core design. This flux reduction is attributed to the use of an 'ultra-low leakage' core design. The effect of this core design change alone will amount to a total fluence reduction of 5.415×10^{17} [n/cm^2] for cycles 15 through 22, which corresponds to 591 EFPD for the current cycle 15 flux at the limiting weld.

Figure 1.3 shows the calculated fluence values for each cycle for the WCAP-15353 and the WCAP-14557, Revision 1. The hollow bars signifies a fast neutron flux value utilized for future extrapolation of fluence. Figure 1.4 shows the accrued fluence at the beginning of cycle 1 through 23 using the calculated fast neutron flux in WCAP-15353 and including the UFM correction factor of 2% for cycles 1 through 12. The beginning of cycle 23 is currently scheduled to occur on March 24, 2011.

Figure 1.3: Calculated Fast Neutron Flux

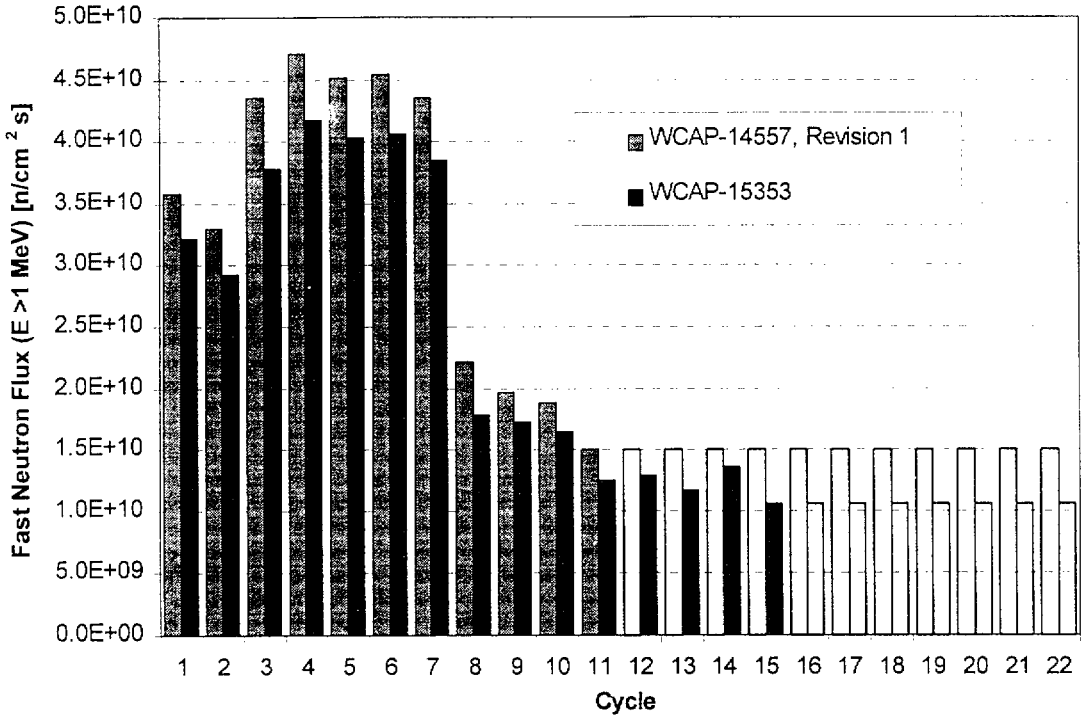
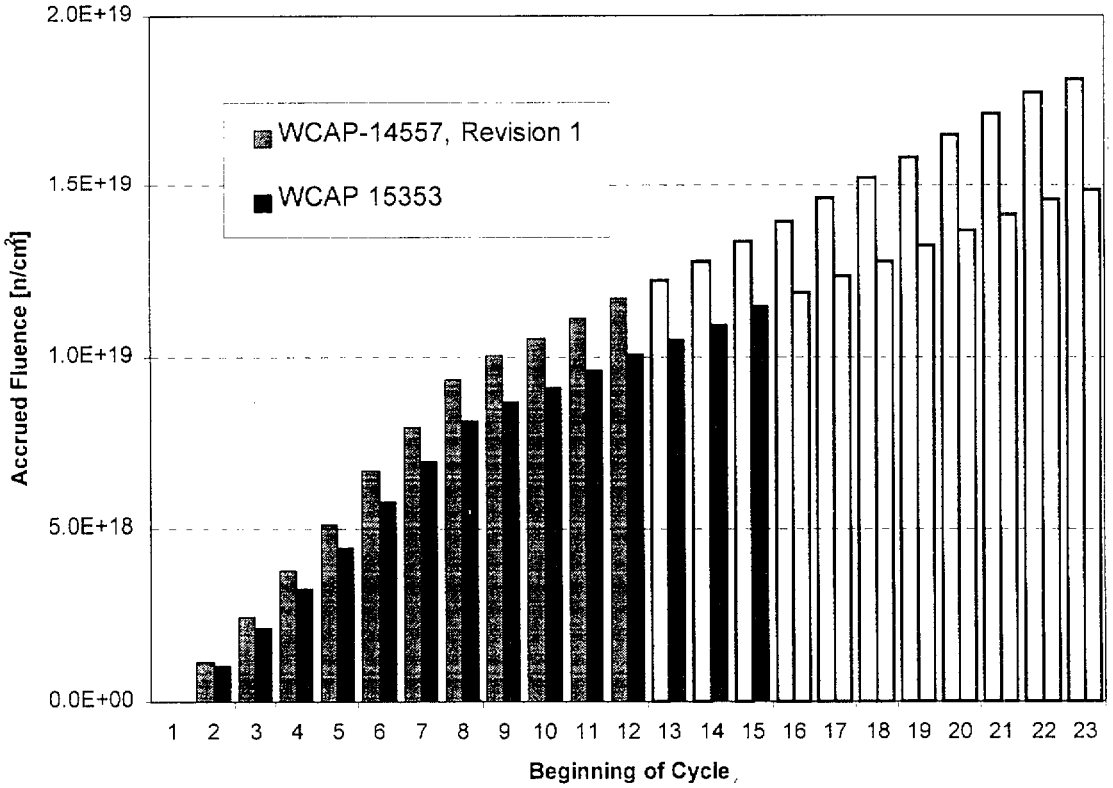
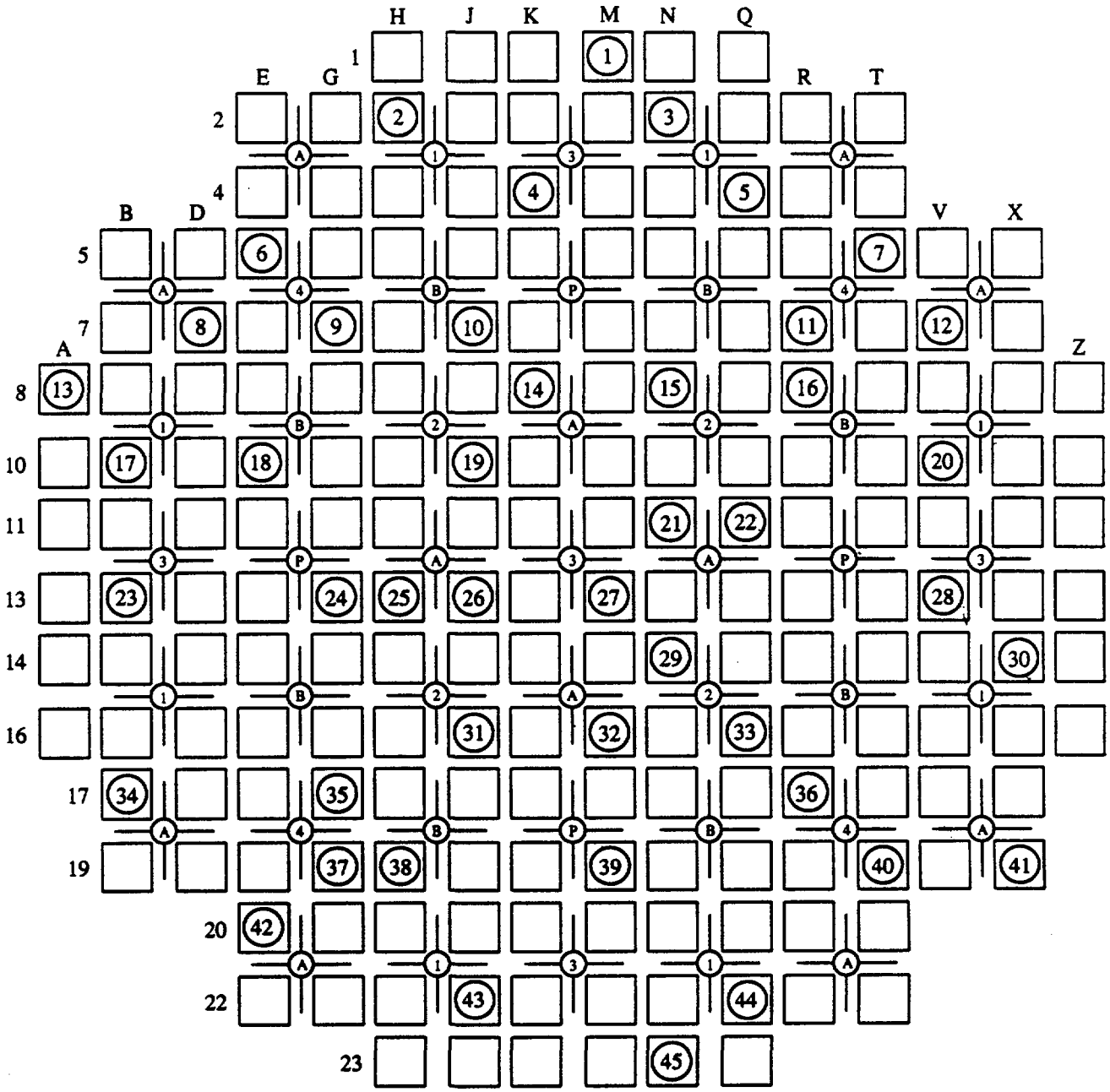


Figure 1.4: Accrued Fluence at the Limiting Axial Weld, Beginning of Cycle 1 through End of Cycle 22
(Fluence Limit for the Limiting Weld is 1.58×10^{19} [n/cm^2])

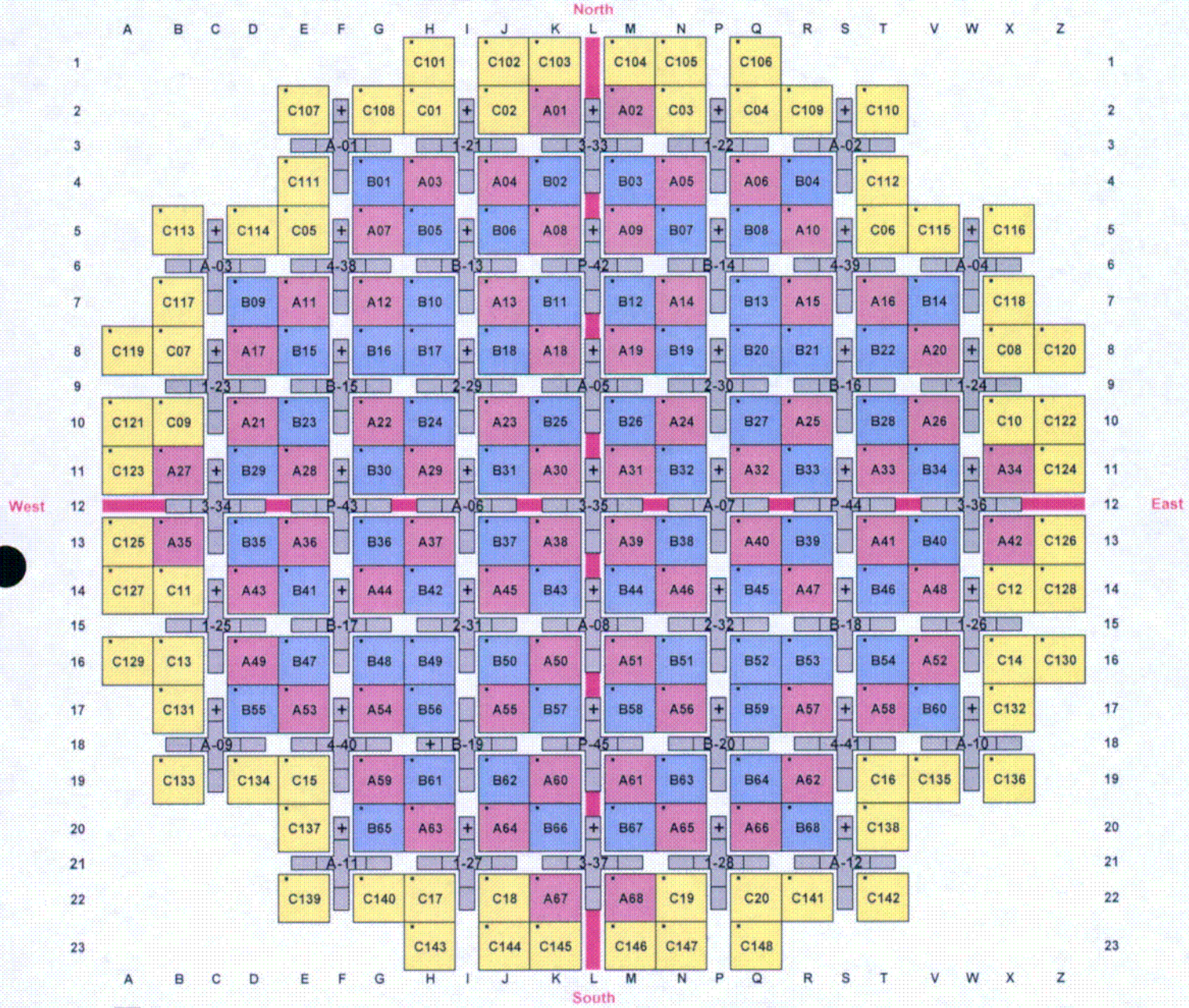


PALISADES REACTOR CORE LAYOUT



Notes: 1. All instruments contain 5 rhodium detectors and 1 outlet thermocouple.
2. ICIs 7 and 44 are used by the Reactor Vessel Level Monitoring System.
3. ICIs 1, 4, 13, 34, 41, 42, and 45 have been eliminated in [PID991].

PALISADES NUCLEAR PLANT
CYCLE 01 REACTOR CORE PLAN



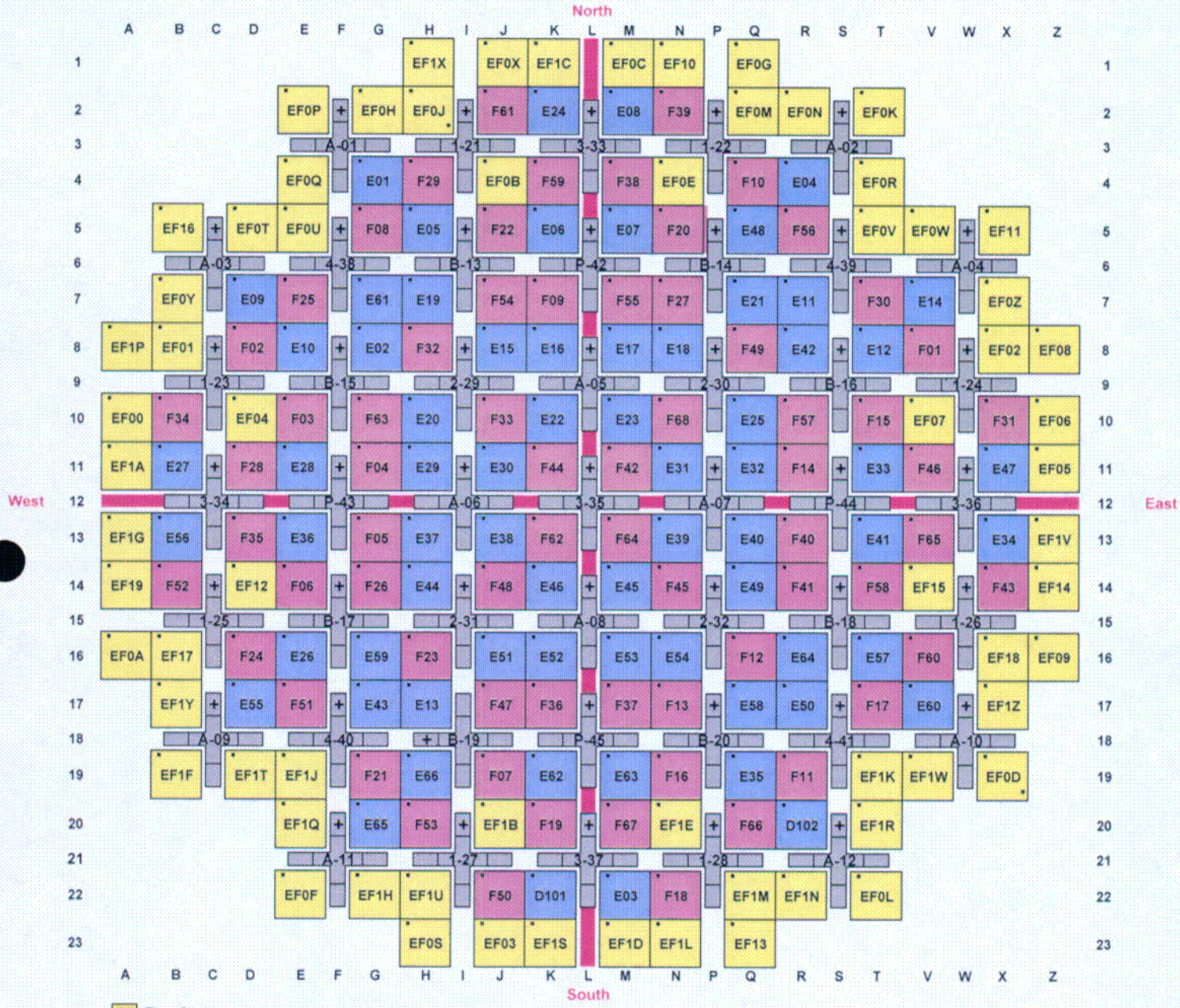
C	First Cycle	68 Assemblies	3.05 w/o U235
B	First Cycle	68 Assemblies	2.43 w/o U235
A	First Cycle	68 Assemblies	1.65 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

12/31/1971

C01

PALISADES NUCLEAR PLANT
CYCLE 02 REACTOR CORE PLAN



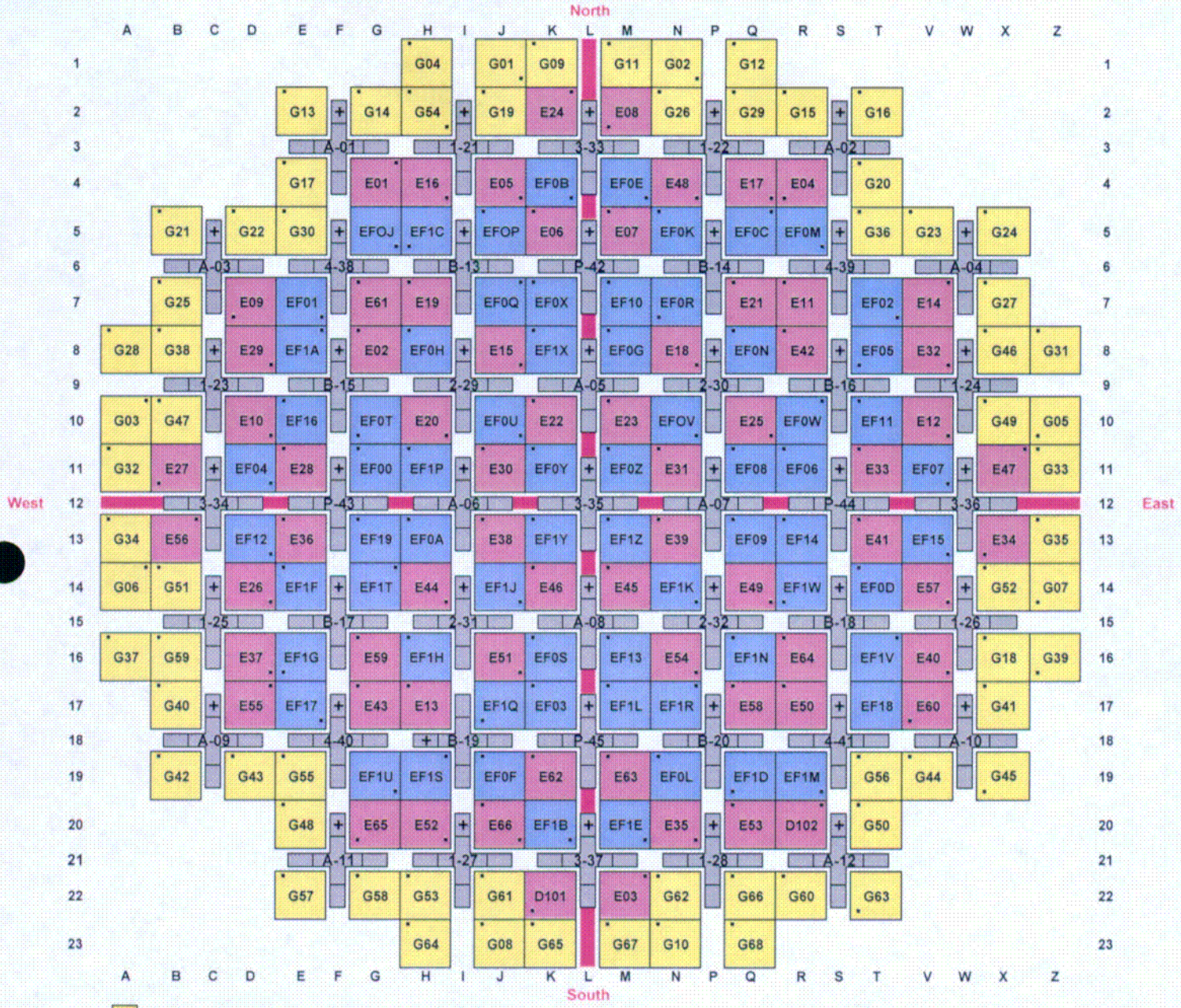
EF	First Cycle	68 Assemblies	2.74 w/o U235
E	First Cycle	68 Assemblies	3.04 w/o U235
F	First Cycle	68 Assemblies	1.50 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

05/09/1976

C 02

PALISADES NUCLEAR PLANT
CYCLE 03 REACTOR CORE PLAN



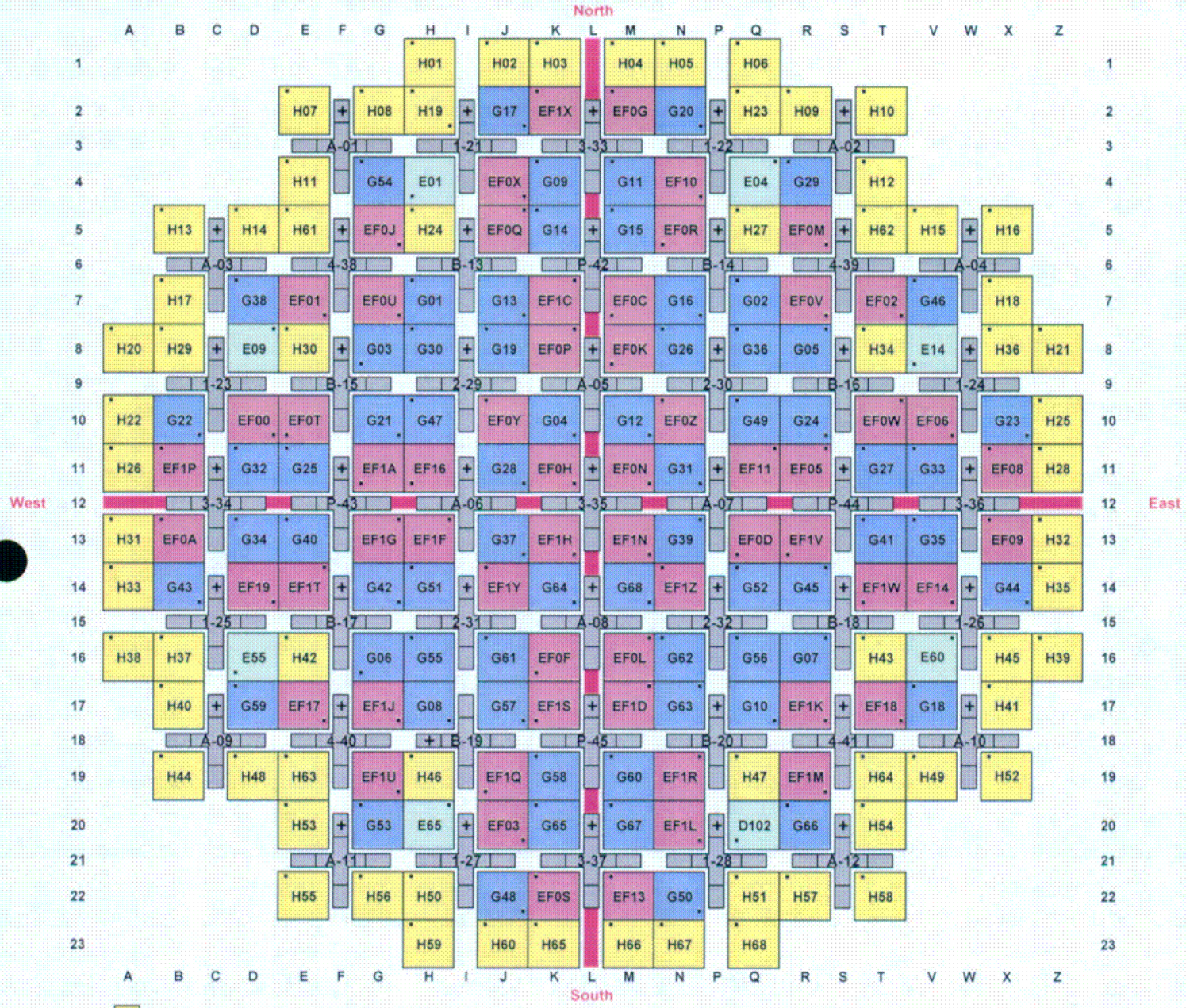
G	First Cycle	68 Assemblies	3.00 w/o U235
EF	Second Cycle	68 Assemblies	2.74 w/o U235
E	Second Cycle	68 Assemblies	3.04 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

04/20/1978

C03

PALISADES NUCLEAR PLANT
CYCLE 04 REACTOR CORE PLAN



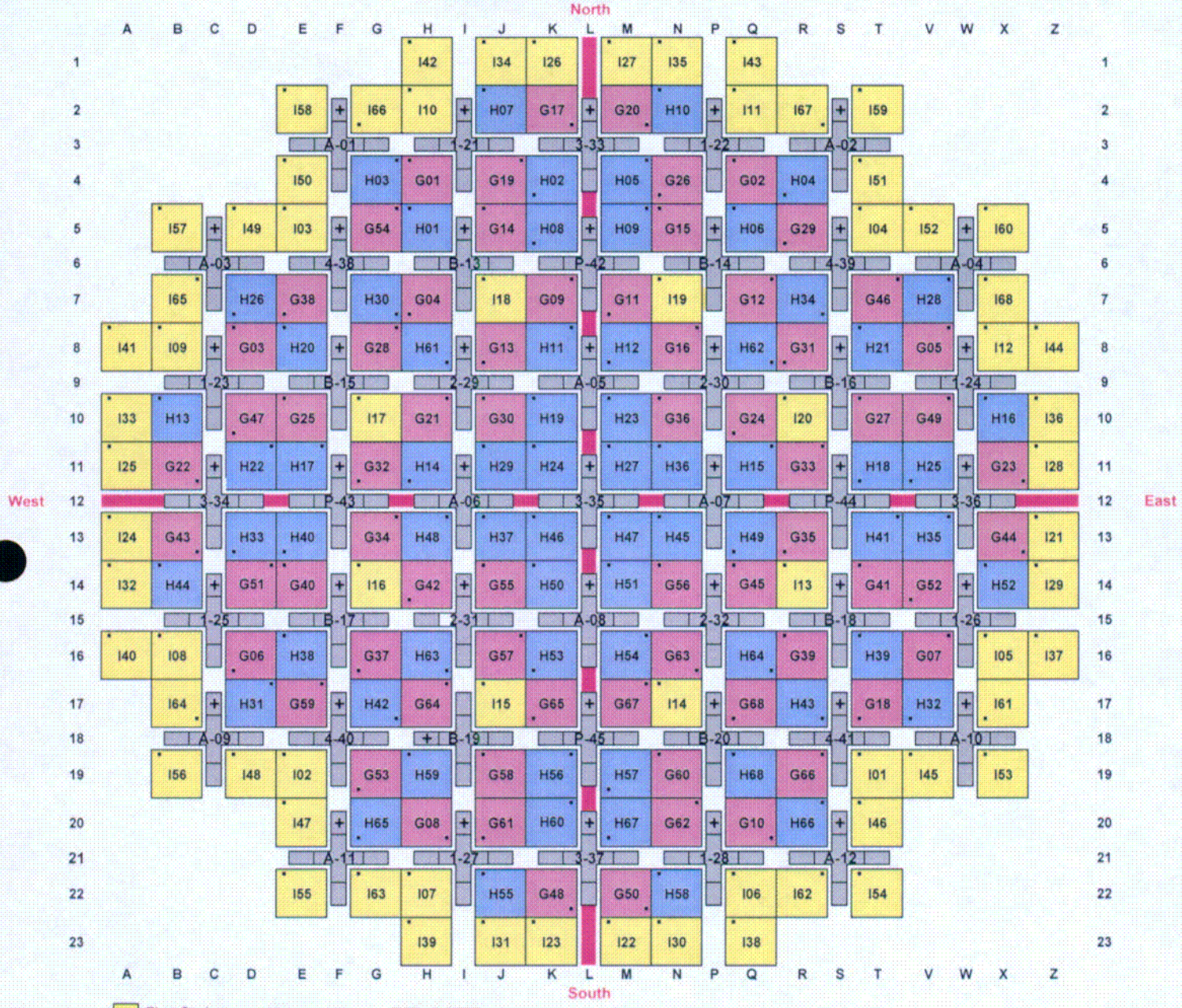
H	First Cycle	68 Assemblies	3.26 w/o U235
G	Second Cycle	68 Assemblies	3.00 w/o U235
EF	Third Cycle	60 Assemblies	2.74 w/o U235
E	Thrid Cycle	08 Assemblies	3.04 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

05/27/1980

C04

PALISADES NUCLEAR PLANT
CYCLE 05 REACTOR CORE PLAN



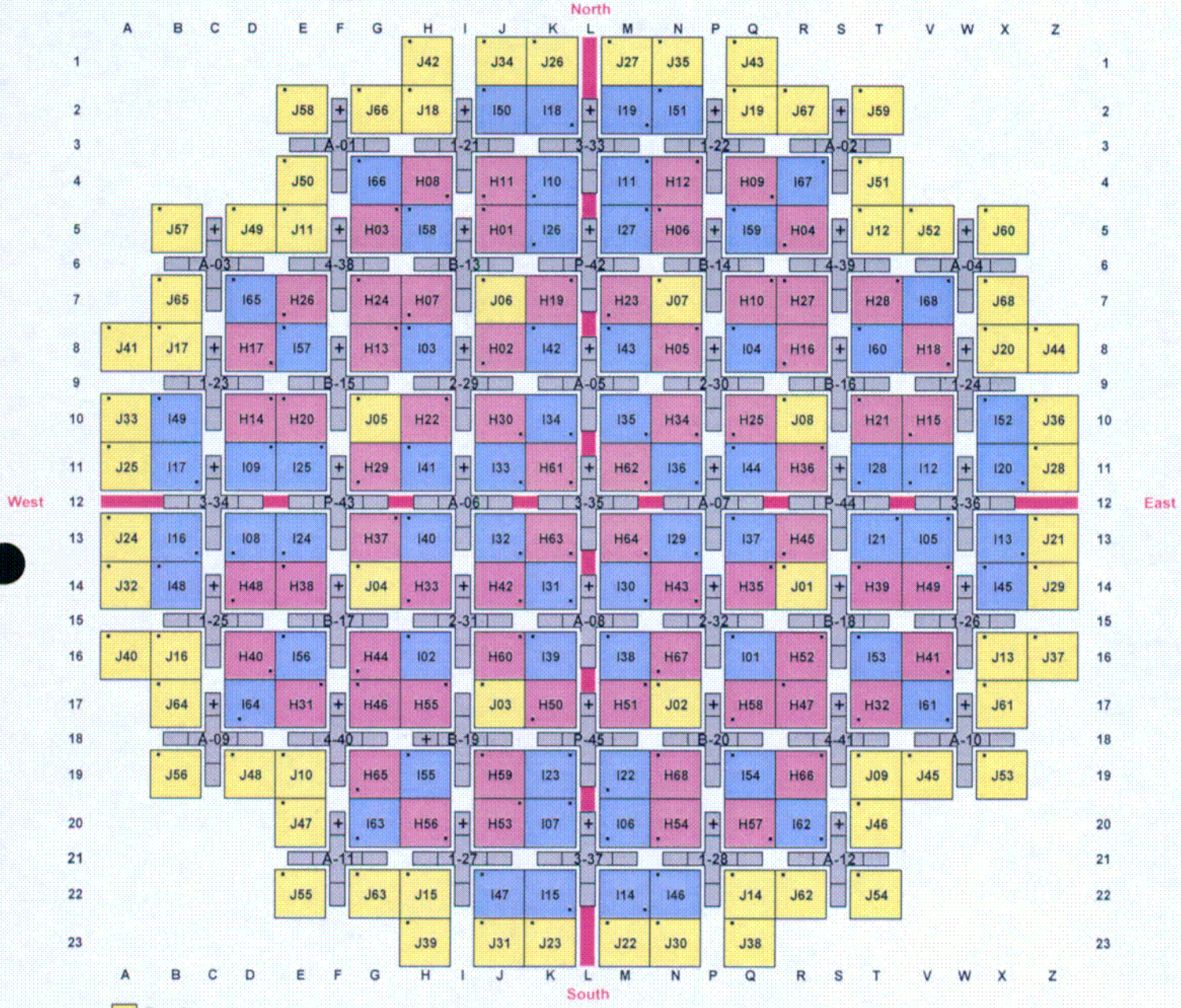
I	First Cycle	68 Assemblies	3.25 w/o U235
H	Second Cycle	68 Assemblies	3.26 w/o U235
G	Third Cycle	68 Assemblies	3.00 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

12/31/1981

C05

PALISADES NUCLEAR PLANT
CYCLE 06 REACTOR CORE PLAN



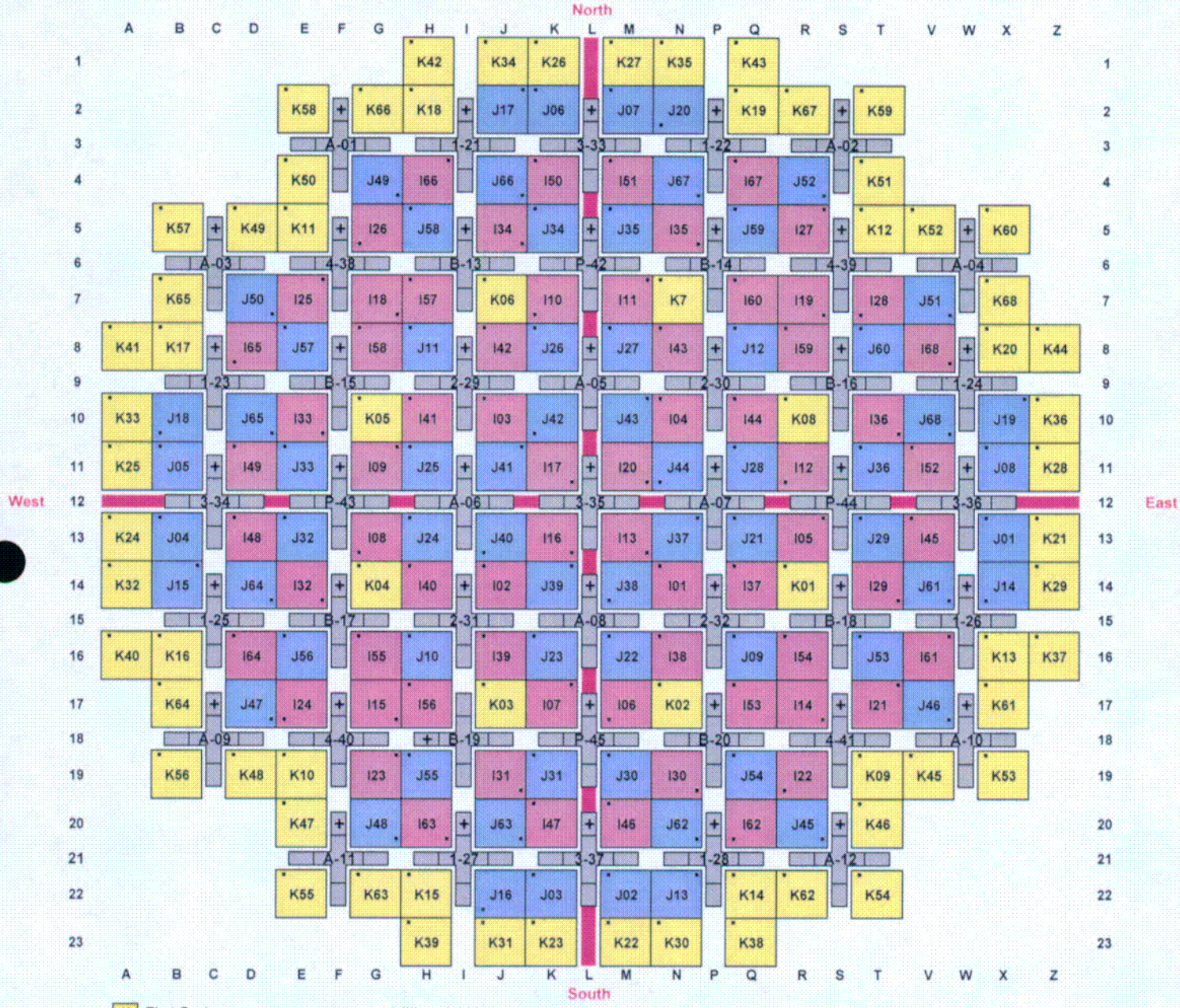
J	First Cycle	68 Assemblies	3.25 w/o U235
I	Second Cycle	68 Assemblies	3.25 w/o U235
H	Third Cycle	68 Assemblies	3.26 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

07/31/1984

C06

PALISADES NUCLEAR PLANT
CYCLE 07 REACTOR CORE PLAN



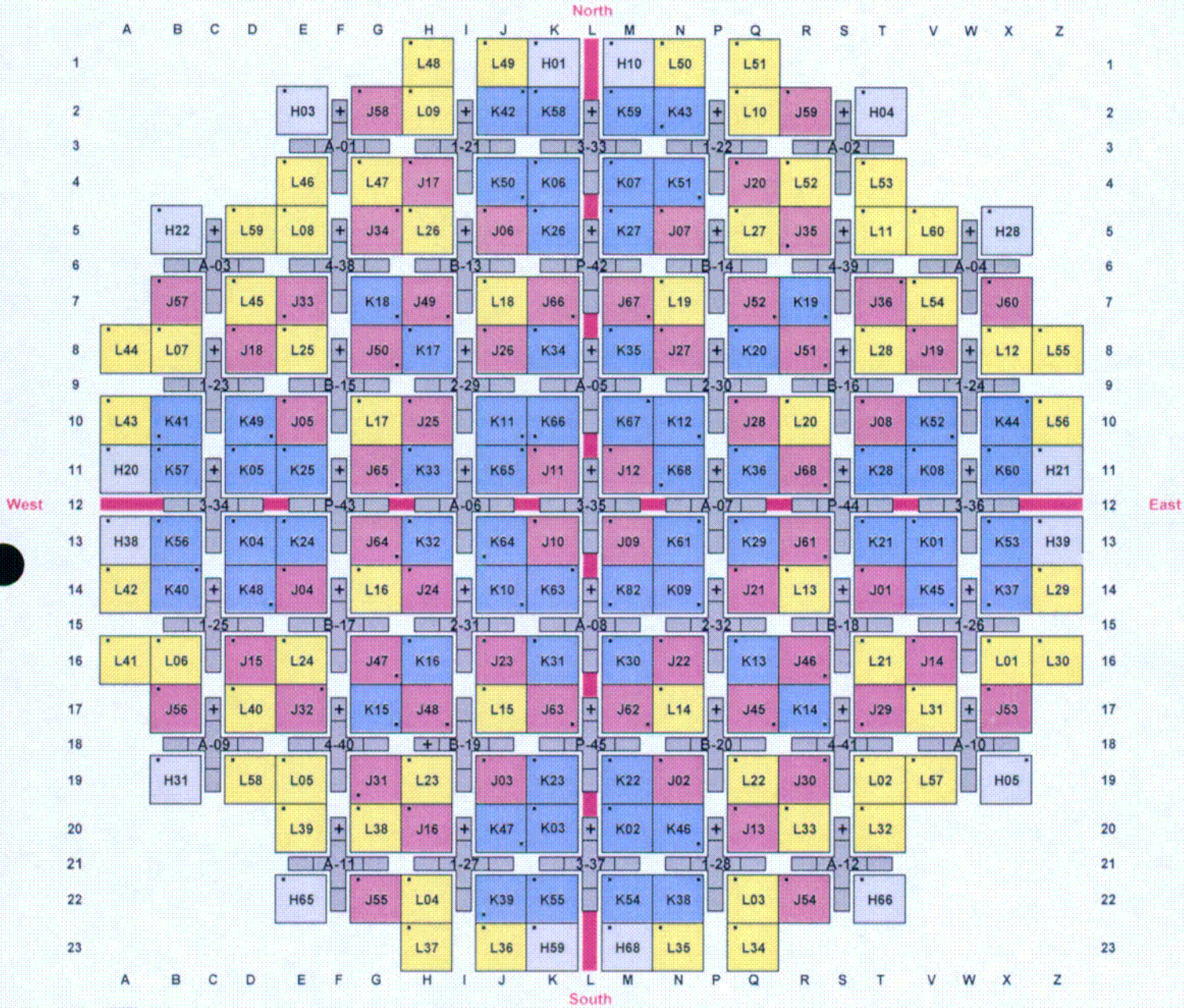
K	First Cycle	68 Assemblies	3.25 w/o U235
J	Second Cycle	68 Assemblies	3.25 w/o U235
I	Third Cycle	68 Assemblies	3.25 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

03/03/1986

C07

PALISADES NUCLEAR PLANT
CYCLE 08 REACTOR CORE PLAN



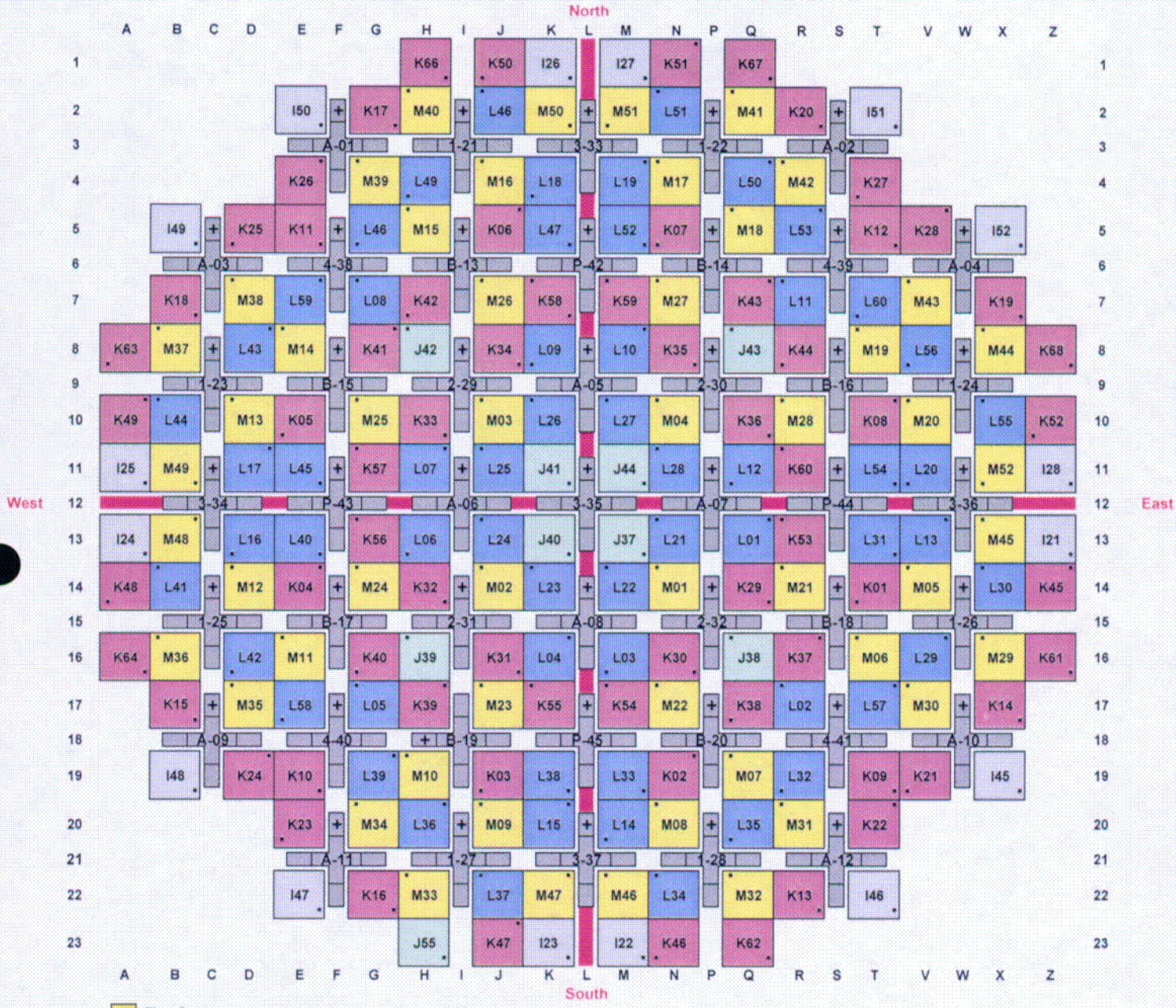
L	First Cycle	60 Assemblies	3.19 w/o U235
K	Second Cycle	68 Assemblies	3.25 w/o U235
J	Third Cycle	60 Assemblies	3.25 w/o U235
H	Reinserts	16 Assemblies	3.26 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

11/28/1988

C08

PALISADES NUCLEAR PLANT
CYCLE 09 REACTOR CORE PLAN



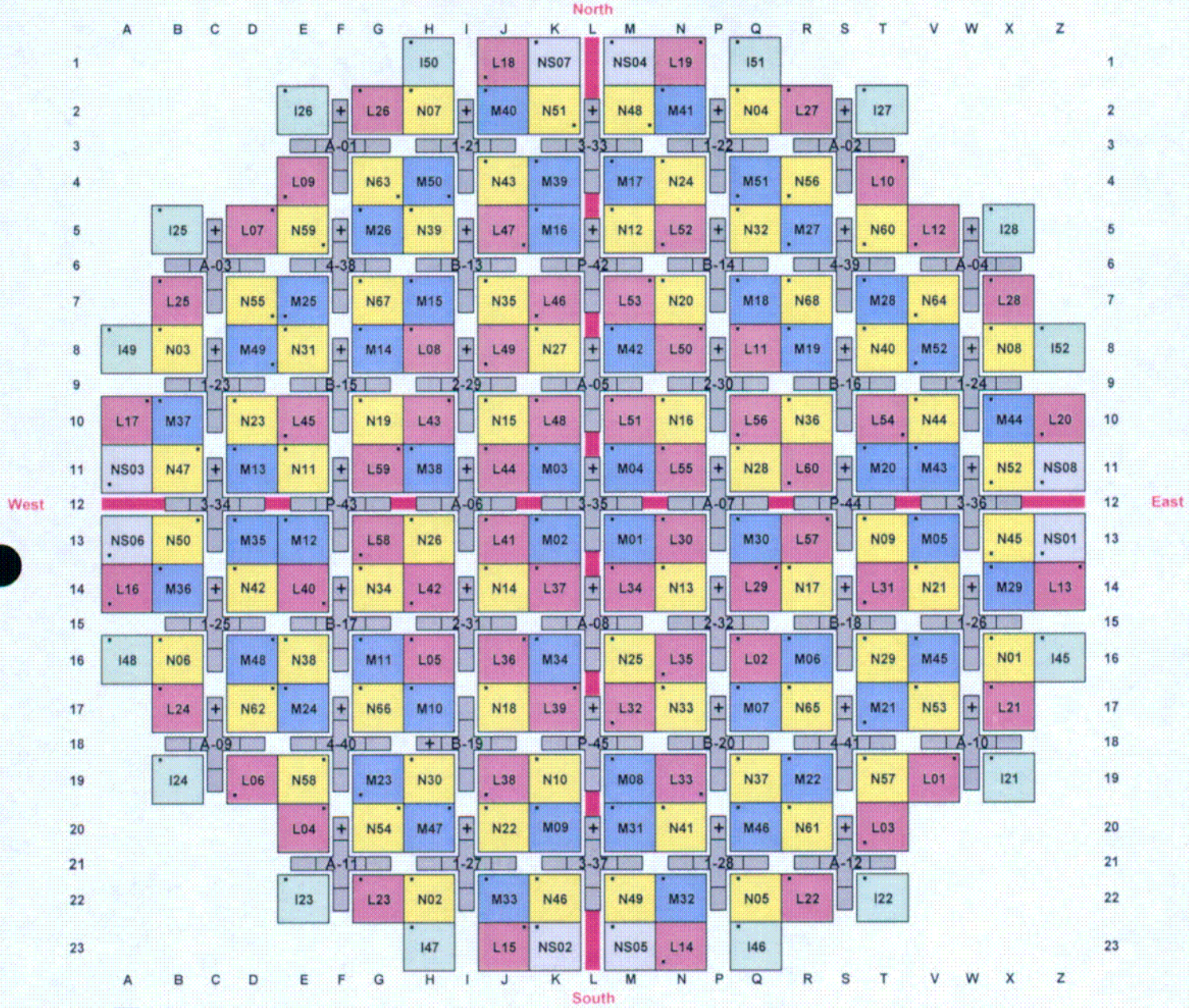
M	First Cycle	52 Assemblies	2.69 w/o U235
L	Second Cycle	60 Assemblies	3.19 w/o U235
K	Third Cycle	67 Assemblies	3.25 w/o U235
J	Fourth Cycle	9 Assemblies	3.25 w/o U235
I	Reinserts	16 Assemblies	3.26 w/o U235

Symmetry lines
Eighth Core Reflective Symmetry

03/15/1991

C09

PALISADES NUCLEAR PLANT
CYCLE 10 REACTOR CORE PLAN



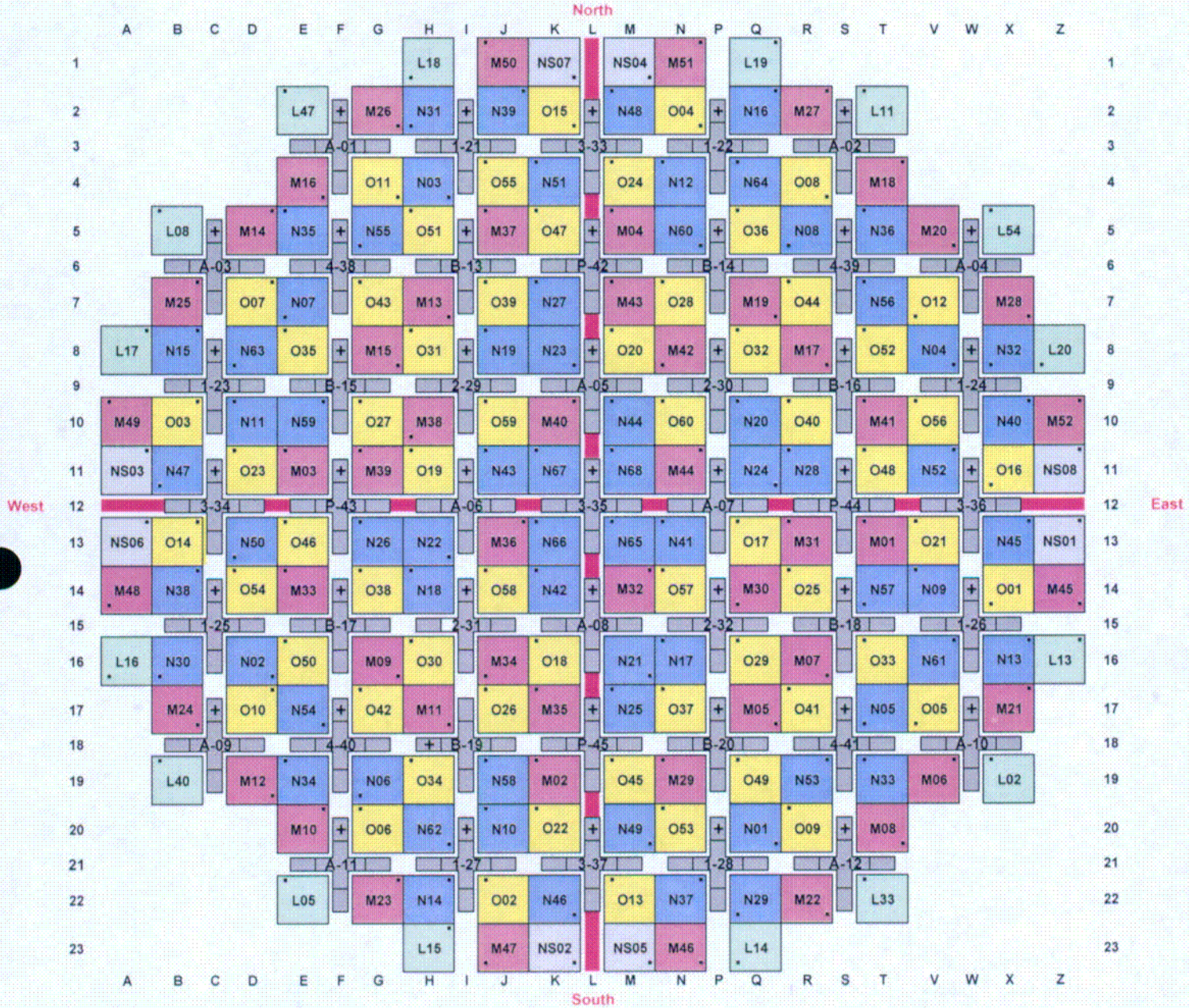
N	First Cycle	68 Assemblies	3.36 w/o U235
M	Second Cycle	52 Assemblies	2.69 w/o U235
L	Third Cycle	60 Assemblies	3.19 w/o U235
I	Fourth Cycle	16 Assemblies	3.26 w/o U235
NS	First Cycle	8 Assemblies	1.20 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry

04/18/1992

C10

PALISADES NUCLEAR PLANT
CYCLE 11 REACTOR CORE PLAN



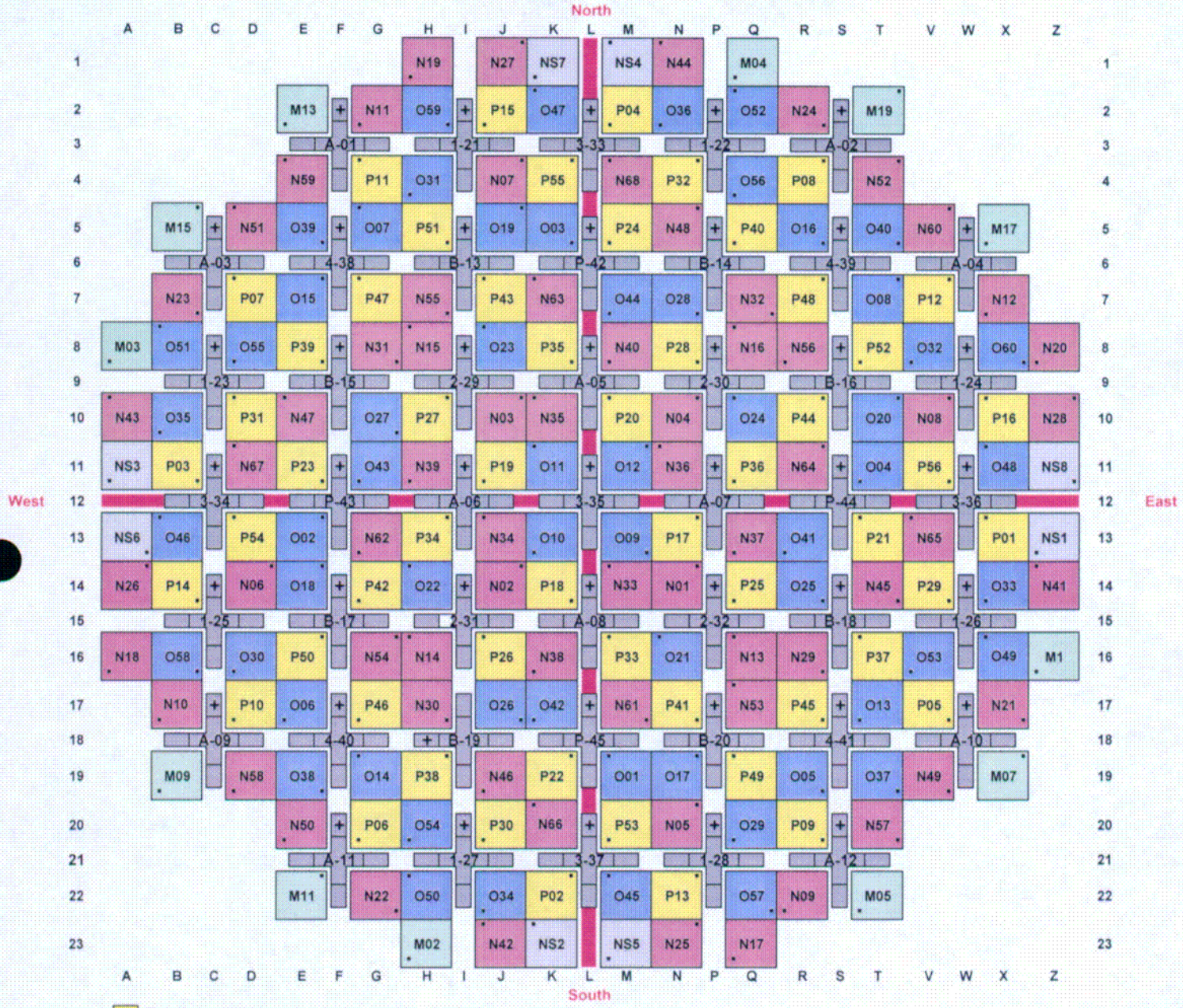
O	First Cycle	60 Assemblies	3.98 w/o U235
N	Second Cycle	68 Assemblies	3.36 w/o U235
M	Third Cycle	52 Assemblies	2.69 w/o U235
L	Fourth Cycle	16 Assemblies	3.19 w/o U235
NS	Second Cycle	8 Assemblies	1.20 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry

11/08/1993

C11

PALISADES NUCLEAR PLANT
CYCLE 12 REACTOR CORE PLAN



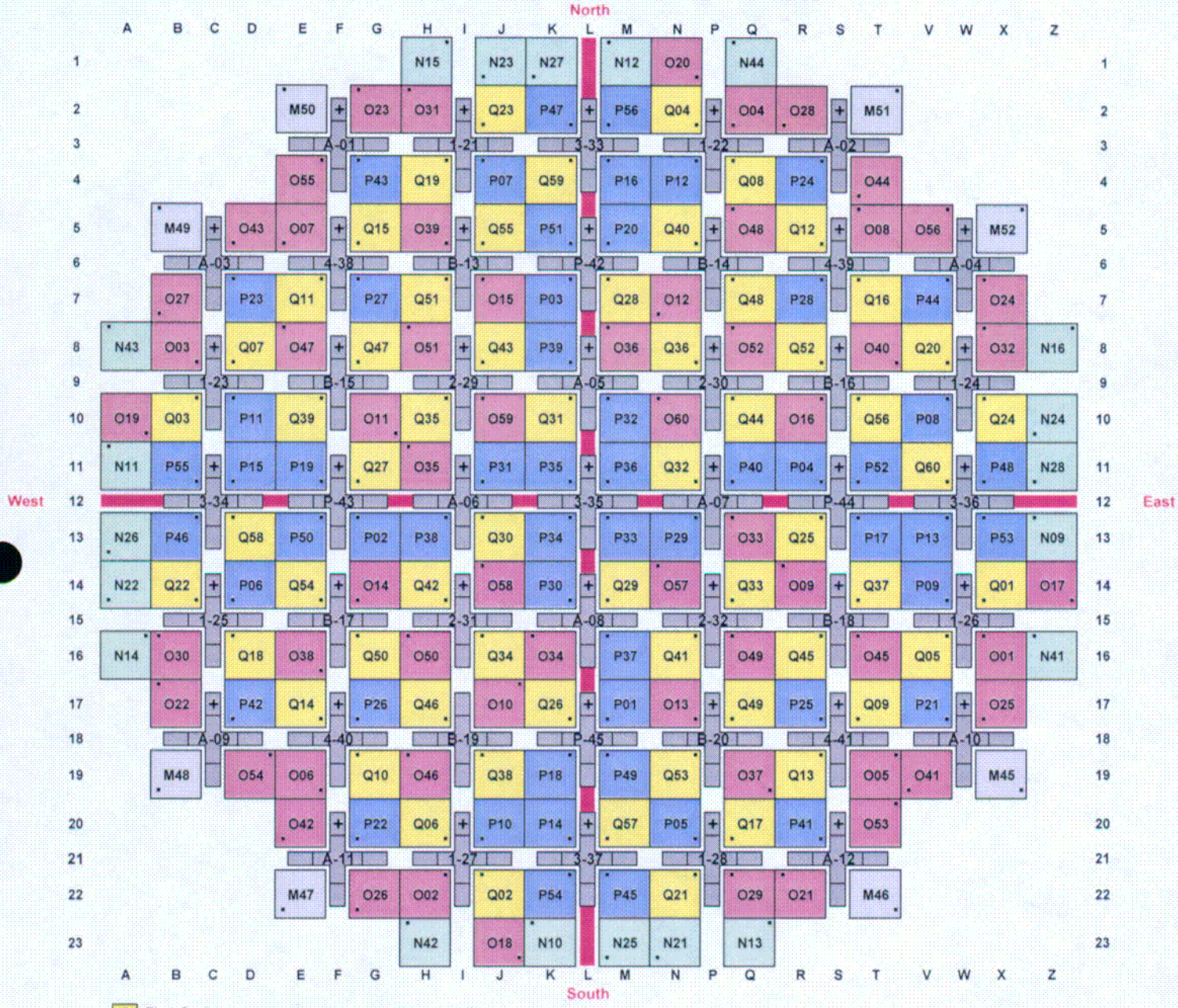
P	First Cycle	56 Assemblies	4.01 w/o U235
O	Second Cycle	60 Assemblies	3.97 w/o U235
N	Third Cycle	68 Assemblies	3.36 w/o U235
M	Fourth Cycle	12 Assemblies	2.69 w/o U235
NS	Third Cycle	8 Assemblies	1.20 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry

08/21/1995

C12

PALISADES NUCLEAR PLANT
CYCLE 13 REACTOR CORE PLAN



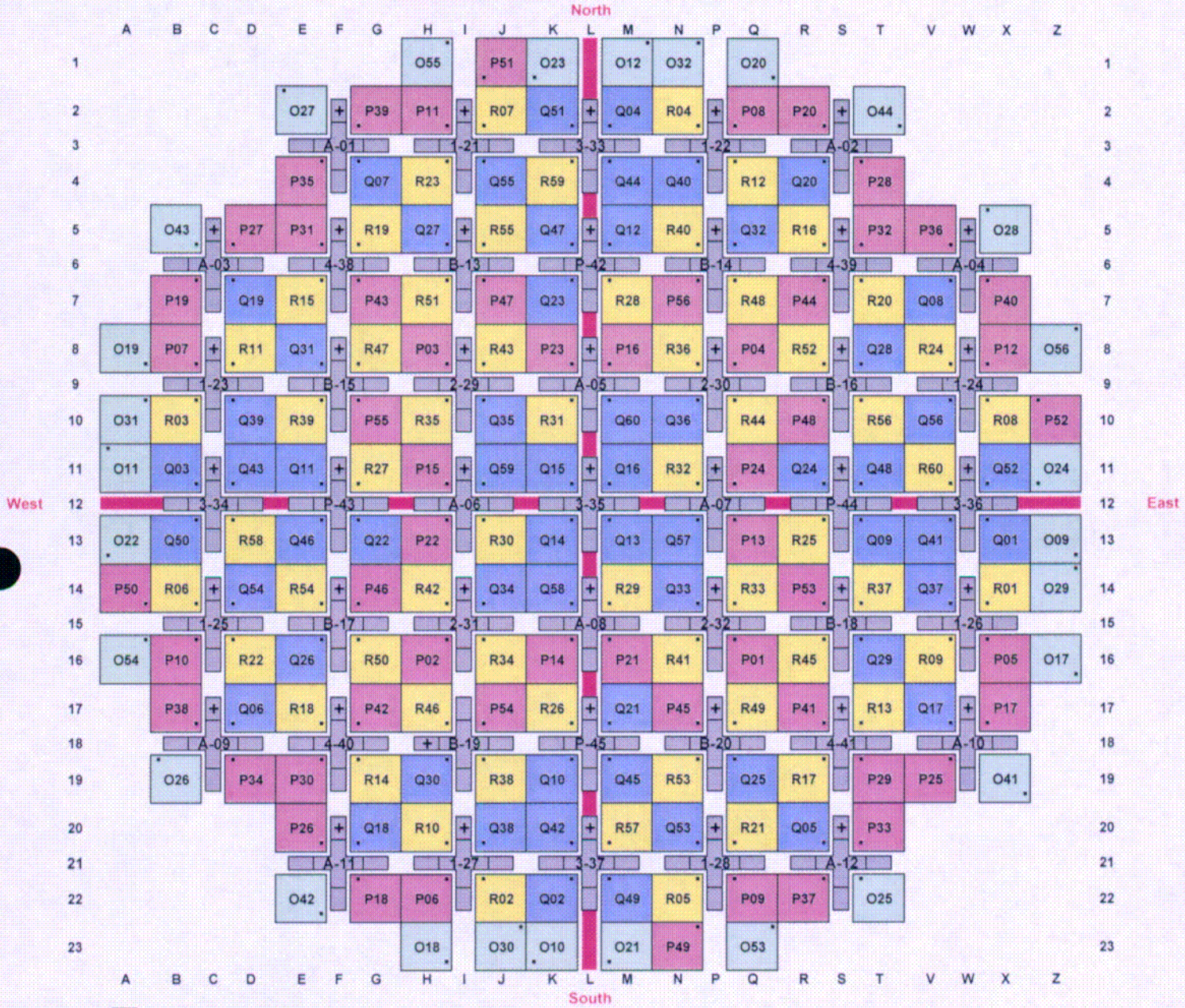
Q	First Cycle	60 Assemblies	3.77 w/o U235
P	Second Cycle	56 Assemblies	4.01 w/o U235
O	Third Cycle	60 Assemblies	3.97 w/o U235
N	Fourth Cycle	20 Assemblies	3.33 w/o U235
M	Reinserts	8 Assemblies	2.74 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry

12/27/1996

C13

PALISADES NUCLEAR PLANT
CYCLE 14 REACTOR CORE PLAN



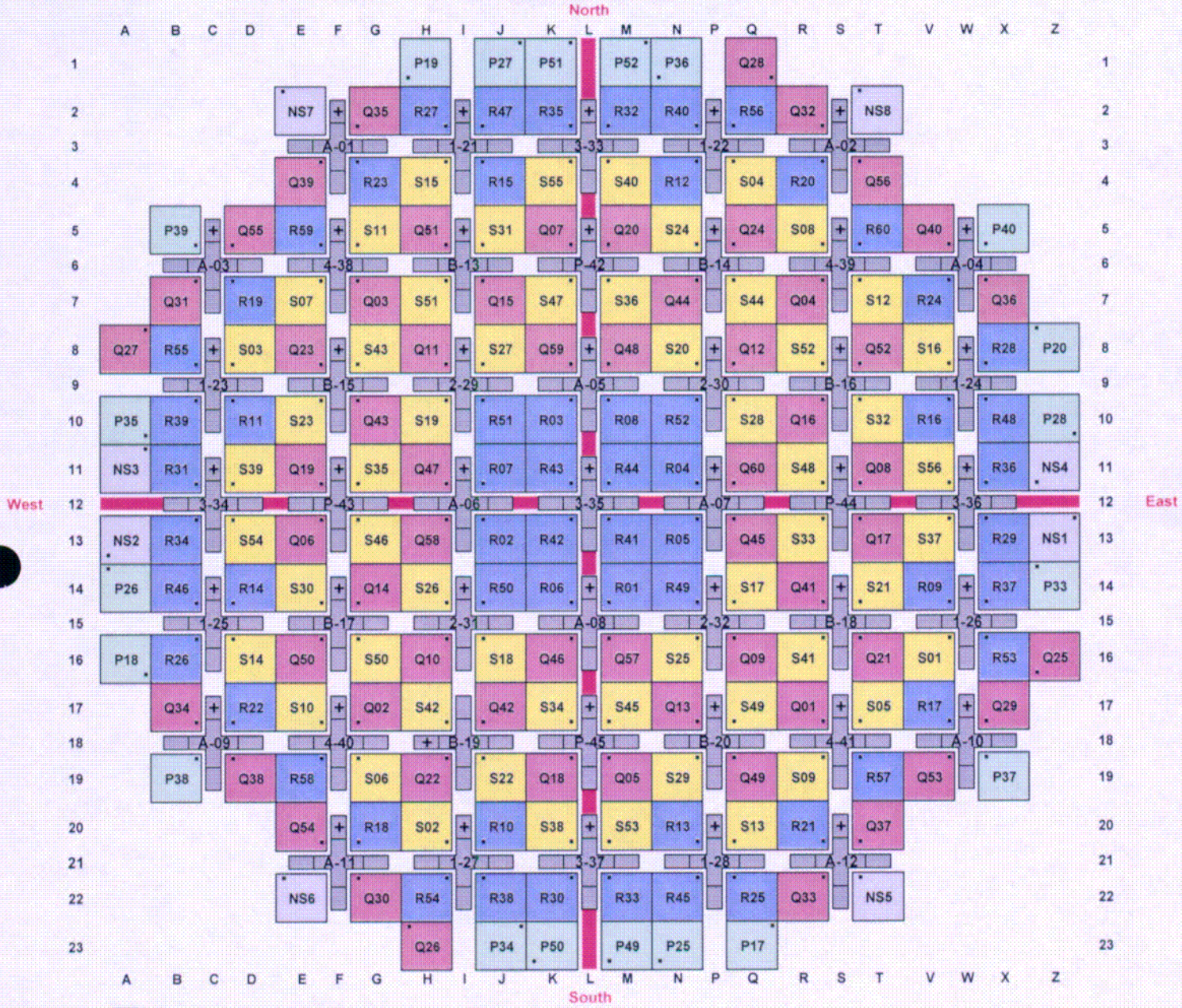
R	First Cycle	60 Assemblies	3.85 w/o U235
Q	Second Cycle	60 Assemblies	3.77 w/o U235
P	Third Cycle	56 Assemblies	4.01 w/o U235
O	Fourth Cycle	28 Assemblies	3.97 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry

06/07/1998

C14

PALISADES NUCLEAR PLANT
CYCLE 15 REACTOR CORE PLAN



S	First Cycle	56 Assemblies	4.02 w/o U235
R	Second Cycle	60 Assemblies	3.85 w/o U235
Q	Third Cycle	60 Assemblies	3.77 w/o U235
P	Fourth Cycle	20 Assemblies	4.01 w/o U235
NS	Reinserts	8 Assemblies	1.20 w/o U235

Symmetry lines
Quarter Core Rotational Symmetry
with 16 Reflective Peripheral Locations

12/14/1999

C15

CYCLE 4 E 10 98.5% POWER · DATE/TIME 01/31/1981 00:06:00

C3

PRI.P3X 2RPF · AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.81 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.753	0.943	0.941	0.935	0.947	0.757					
						0.751	0.943	0.943	0.944	0.943	0.751					
						0.238	0.084	-0.241	-0.917	0.457	0.779					
2				0.683	1.031	1.147	1.059	0.926	0.927	1.073	1.156	1.039	0.689			
				0.679	1.026	1.144	1.056	0.924	0.924	1.056	1.144	1.026	0.679			
				0.592	0.547	0.317	0.333	0.264	0.390	1.591	1.019	1.272	1.451			
4				1.081	1.052	0.877	0.898	1.091	1.092	0.903	0.882	1.060	1.092			
				1.073	1.046	0.873	0.895	1.087	1.087	0.895	0.874	1.047	1.073			
				0.728	0.537	0.431	0.301	0.415	0.433	0.811	0.994	1.262	1.688			
5		0.681	1.080	1.255	0.911	1.245	0.929	1.086	1.087	0.932	1.250	0.916	1.271	1.089	0.686	
		0.679	1.073	1.244	0.905	1.245	0.929	1.085	1.086	0.930	1.245	0.905	1.244	1.073	0.679	
		0.339	0.595	0.918	0.666	0.056	-0.028	0.064	0.134	0.254	0.395	1.245	2.122	1.402	1.055	
7		1.027	1.050	0.911	0.911	1.179	1.187	0.896	0.897	1.190	1.181	0.910	0.916	1.054	1.034	
		1.026	1.047	0.905	0.904	1.179	1.194	0.900	0.900	1.195	1.179	0.904	0.905	1.046	1.026	
		0.124	0.331	0.666	0.707	0.042	-0.623	-0.405	-0.384	-0.456	0.160	0.587	1.174	0.679	0.815	
8	0.736	1.140	0.876	1.247	1.183	1.144	1.053	0.911	0.911	1.041	1.144	1.188	1.253	0.882	1.150	0.755
	0.751	1.144	0.874	1.245	1.179	1.146	1.058	0.918	0.919	1.061	1.146	1.179	1.245	0.873	1.144	0.751
	-2.126	-0.354	0.270	0.198	0.331	-0.138	-0.526	-0.745	-0.926	-1.935	-0.209	0.771	0.675	0.924	0.554	0.494
10	0.939	1.061	0.899	0.934	1.198	1.059	0.916	1.084	1.087	0.916	1.060	1.201	0.935	0.908	1.063	0.946
	0.943	1.056	0.895	0.930	1.195	1.061	0.920	1.090	1.093	0.920	1.058	1.194	0.929	0.895	1.056	0.943
	-0.399	0.533	0.411	0.480	0.218	-0.203	-0.481	-0.561	-0.555	-0.495	0.131	0.533	0.680	1.429	0.672	0.371
11	0.944	0.927	1.091	1.090	0.902	0.916	1.087	0.885	0.887	1.093	0.926	0.903	1.086	1.086	0.924	0.943
	0.944	0.924	1.087	1.086	0.900	0.919	1.093	0.890	0.890	1.090	0.918	0.900	1.085	1.087	0.924	0.943
	0.054	0.392	0.410	0.390	0.203	-0.355	-0.574	-0.536	-0.308	0.218	0.898	0.328	0.072	-0.096	0.011	-0.024
13	0.946	0.929	1.091	1.089	0.904	0.911	1.080	0.884	0.886	1.092	0.919	0.898	1.080	1.069	0.918	0.940
	0.943	0.924	1.087	1.085	0.900	0.918	1.090	0.890	0.890	1.093	0.919	0.900	1.086	1.087	0.924	0.944
	0.224	0.566	0.401	0.354	0.492	-0.817	-0.937	-0.650	-0.380	-0.120	-0.021	-0.197	-0.551	-1.699	-0.670	-0.356
14	0.944	1.059	0.897	0.930	1.193	1.050	0.909	1.086	1.089	0.916	1.055	1.191	0.926	0.889	1.051	0.939
	0.943	1.056	0.895	0.929	1.194	1.058	0.920	1.093	1.090	0.920	1.061	1.195	0.930	0.895	1.056	0.943
	0.181	0.290	0.229	0.072	-0.137	-0.824	-1.196	-0.642	-0.116	-0.478	-0.552	-0.396	-0.423	-0.678	-0.465	-0.355
16	0.752	1.143	0.874	1.241	1.175	1.134	1.035	0.912	0.928	1.055	1.134	1.173	1.240	0.875	1.146	0.751
	0.751	1.144	0.873	1.245	1.179	1.146	1.061	0.919	0.918	1.058	1.146	1.179	1.245	0.874	1.144	0.751
	0.050	-0.101	0.073	-0.266	-0.291	-1.092	-2.554	-0.785	1.030	-0.325	-1.030	-0.487	-0.349	0.167	0.173	-0.045
17		1.025	1.046	0.905	0.905	1.172	1.182	0.893	0.896	1.189	1.172	0.898	0.908	1.057	1.042	
		1.026	1.046	0.905	0.904	1.179	1.195	0.900	0.900	1.194	1.179	0.904	0.905	1.047	1.026	
		-0.066	-0.049	0.055	0.029	-0.599	-1.143	-0.793	-0.349	-0.443	-0.583	-0.670	0.358	0.970	1.574	
19		0.678	1.073	1.244	0.911	1.239	0.923	1.077	1.074	0.923	1.238	0.906	1.254	1.093	0.710	
		0.679	1.073	1.244	0.905	1.245	0.930	1.086	1.085	0.929	1.245	0.905	1.244	1.073	0.679	
		-0.084	0.004	0.045	0.708	-0.487	-0.682	-0.810	-1.089	-0.650	-0.574	0.086	0.859	1.763	4.440	
20				1.072	1.046	0.872	0.891	1.079	1.077	0.888	0.872	1.047	1.079			
				1.073	1.047	0.874	0.895	1.087	1.087	0.895	0.873	1.046	1.073			
				-0.131	-0.028	-0.234	-0.502	-0.754	-0.915	-0.735	-0.185	0.088	0.480			
22				0.678	1.024	1.139	1.053	0.917	0.913	1.044	1.143	1.027	0.681			
				0.679	1.026	1.144	1.056	0.924	0.924	1.056	1.144	1.026	0.679			
				-0.186	-0.182	-0.471	-0.249	-0.791	-1.124	-1.110	-0.101	0.147	0.272			
23						0.747	0.936	0.933	0.927	0.914	0.741			PIDAL-3		
						0.751	0.943	0.944	0.943	0.943	0.751			SIMULATE-3		
						-0.546	-0.683	-1.117	-1.816	-3.092	-1.402			(P3-S3)/P3*100%		

C3

CYCLE 5 E 16 98.9% POWER - DATE/TIME 01/31/1983 16:06:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.10 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.747	0.909	0.869	0.862	0.898	0.740					
						0.738	0.902	0.866	0.866	0.902	0.738					
						1.190	0.817	0.357	-0.393	-0.371	0.169					
2				0.643	0.995	1.207	1.139	0.869	0.863	1.120	1.196	0.996	0.646			
				0.642	0.989	1.188	1.127	0.862	0.862	1.127	1.188	0.988	0.642			
				0.068	0.639	1.528	1.055	0.792	0.139	-0.627	0.675	0.795	0.573			
4				1.016	1.127	0.927	0.869	1.107	1.101	0.869	0.947	1.139	1.024			
				1.020	1.127	0.922	0.863	1.095	1.095	0.863	0.921	1.126	1.020			
				-0.398	0.068	0.531	0.671	1.141	0.612	0.741	2.699	1.152	0.445			
5		0.648	1.028	1.220	0.923	1.131	0.916	1.115	1.117	0.924	1.147	0.933	1.230	1.026	0.647	
		0.642	1.020	1.233	0.928	1.136	0.919	1.113	1.113	0.919	1.136	0.928	1.233	1.020	0.642	
		0.838	0.850	-1.049	-0.630	-0.412	-0.337	0.216	0.346	0.579	1.036	0.538	-0.248	0.641	0.728	
7		0.998	1.160	0.928	1.045	0.952	1.186	0.938	0.942	1.207	0.965	1.060	0.932	1.145	0.998	
		0.988	1.126	0.928	1.061	0.963	1.207	0.943	0.943	1.207	0.962	1.061	0.928	1.127	0.989	
		0.911	2.892	-0.014	-1.547	-1.182	-1.791	-0.509	-0.074	0.026	0.306	-0.086	0.438	1.564	0.943	
8	0.728	1.178	0.922	1.126	0.950	1.055	0.944	1.134	1.134	0.958	1.067	0.962	1.139	0.928	1.194	0.741
	0.738	1.188	0.921	1.136	0.962	1.069	0.958	1.139	1.139	0.957	1.069	0.963	1.136	0.922	1.188	0.738
	-1.470	-0.877	0.096	-0.850	-1.239	-1.319	-1.411	-0.447	-0.413	0.071	-0.123	-0.090	0.226	0.639	0.513	0.428
10	0.887	1.098	0.852	0.899	1.188	0.943	0.873	1.126	1.128	0.883	0.949	1.199	0.918	0.862	1.132	0.905
	0.902	1.127	0.863	0.919	1.207	0.957	0.895	1.142	1.142	0.895	0.958	1.207	0.919	0.863	1.127	0.902
	-1.686	-2.644	-1.309	-2.267	-1.580	-1.545	-2.487	-1.420	-1.243	-1.295	-0.886	-0.677	-0.098	-0.100	0.443	0.413
11	0.861	0.858	1.091	1.106	0.938	1.126	1.122	1.153	1.152	1.108	1.120	0.936	1.112	1.099	0.868	0.870
	0.866	0.862	1.095	1.113	0.943	1.139	1.142	1.171	1.171	1.142	1.139	0.943	1.113	1.095	0.862	0.866
	-0.512	-0.461	-0.367	-0.595	-0.536	-1.140	-1.760	-1.534	-1.668	-3.065	-1.685	-0.780	-0.071	0.421	0.636	0.530
13	0.873	0.879	1.102	1.118	0.956	1.129	1.121	1.157	1.161	1.118	1.121	0.935	1.113	1.107	0.871	0.872
	0.866	0.862	1.095	1.113	0.943	1.139	1.142	1.171	1.171	1.142	1.139	0.943	1.113	1.095	0.862	0.866
	0.796	1.943	0.657	0.445	1.337	-0.864	-1.871	-1.252	-0.864	-2.114	-1.651	-0.902	0.042	1.152	0.972	0.721
14	0.912	1.142	0.871	0.924	1.208	0.956	0.892	1.134	1.128	0.869	0.938	1.191	0.917	0.869	1.138	0.909
	0.902	1.127	0.863	0.919	1.207	0.958	0.895	1.142	1.142	0.895	0.957	1.207	0.919	0.863	1.127	0.902
	1.078	1.360	0.912	0.495	0.116	-0.144	-0.283	-0.735	-1.242	-2.932	-2.023	-1.328	-0.242	0.660	1.030	0.827
16	0.747	1.204	0.931	1.140	0.960	1.071	0.974	1.140	1.132	0.942	1.042	0.949	1.132	0.926	1.198	0.744
	0.738	1.188	0.922	1.136	0.963	1.069	0.957	1.139	1.139	0.958	1.069	0.962	1.136	0.921	1.188	0.738
	1.162	1.286	1.005	0.356	-0.344	0.242	1.726	0.118	-0.619	-1.690	-2.605	-1.375	-0.303	0.505	0.840	0.782
17		1.009	1.141	0.931	1.034	0.958	1.210	0.945	0.940	1.193	0.950	1.044	0.927	1.135	1.001	
		0.989	1.127	0.928	1.061	0.962	1.207	0.943	0.943	1.207	0.963	1.061	0.928	1.126	0.988	
		1.972	1.224	0.287	-2.633	-0.388	0.279	0.162	-0.343	-1.163	-1.396	-1.702	-0.078	0.733	1.214	
19		0.653	1.034	1.251	0.945	1.136	0.923	1.116	1.115	0.916	1.130	0.925	1.239	1.031	0.661	
		0.642	1.020	1.233	0.928	1.136	0.919	1.113	1.113	0.919	1.136	0.928	1.233	1.020	0.642	
		1.628	1.396	1.452	1.834	0.010	0.383	0.316	0.183	-0.349	-0.558	-0.339	0.459	1.084	2.874	
20				1.047	1.147	0.930	0.869	1.100	1.098	0.863	0.920	1.126	1.021			
				1.020	1.126	0.921	0.863	1.095	1.095	0.863	0.922	1.127	1.020			
				2.613	1.791	0.960	0.763	0.496	0.278	0.015	-0.137	-0.064	0.152			
22				0.656	1.004	1.200	1.139	0.869	0.866	1.128	1.187	0.988	0.642			
				0.642	0.988	1.188	1.127	0.862	0.862	1.127	1.188	0.989	0.642			
				2.028	1.498	1.044	1.121	0.740	0.393	0.100	-0.123	-0.101	-0.030			
23						0.745	0.909	0.870	0.868	0.901	0.737			PIDAL-3		
						0.738	0.902	0.866	0.866	0.902	0.738			SIMULATE-3		
						0.893	0.826	0.539	0.228	-0.045	-0.126			(P3-S3)/P3*100%		

CYCLE 6 E 11 97.0% POWER - DATE/TIME 05/31/1985 08:06:00

C3

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.94 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.743	0.929	0.938	0.930	0.926	0.744					
						0.752	0.940	0.951	0.951	0.940	0.752					
						-1.224	-1.174	-1.435	-2.315	-1.519	-1.133					
2				0.643	1.002	1.187	1.074	1.030	1.027	1.072	1.192	1.005	0.644			
				0.646	1.009	1.201	1.083	1.039	1.039	1.083	1.201	1.009	0.646			
				-0.479	-0.706	-1.182	-0.826	-0.865	-1.136	-1.047	-0.734	-0.429	-0.349			
4				1.019	1.083	0.940	0.906	1.071	1.068	0.906	0.943	1.085	1.019			
				1.020	1.086	0.944	0.909	1.071	1.071	0.909	0.944	1.086	1.020			
				-0.157	-0.279	-0.402	-0.259	0.028	-0.264	-0.293	-0.093	-0.112	-0.150			
5		0.645	1.020	1.206	0.928	1.142	0.987	1.126	1.126	0.988	1.144	0.928	1.204	1.016	0.642	
		0.646	1.020	1.205	0.928	1.142	0.986	1.123	1.123	0.986	1.142	0.928	1.205	1.020	0.647	
		-0.306	-0.041	0.146	0.016	0.049	0.120	0.235	0.219	0.240	0.203	0.041	-0.065	-0.452	-0.639	
7		1.004	1.086	0.930	0.836	0.965	1.289	0.940	0.941	1.294	0.966	0.836	0.926	1.078	1.002	
		1.009	1.086	0.928	0.836	0.962	1.285	0.935	0.935	1.285	0.962	0.836	0.928	1.086	1.009	
		-0.476	-0.069	0.199	-0.077	0.282	0.318	0.542	0.641	0.661	0.441	-0.029	-0.200	-0.761	-0.697	
8	0.735	1.190	0.942	1.147	0.968	1.034	0.938	1.150	1.151	0.945	1.035	0.965	1.141	0.940	1.193	0.747
	0.752	1.201	0.944	1.142	0.962	1.027	0.931	1.139	1.139	0.930	1.027	0.962	1.142	0.944	1.201	0.752
	-2.273	-0.906	-0.119	0.501	0.581	0.654	0.738	0.949	1.078	1.540	0.720	0.232	-0.041	-0.413	-0.655	-0.732
10	0.928	1.075	0.909	0.997	1.296	0.940	0.864	1.064	1.064	0.863	0.937	1.288	0.986	0.906	1.078	0.933
	0.940	1.083	0.909	0.986	1.285	0.930	0.854	1.052	1.052	0.854	0.931	1.285	0.986	0.909	1.083	0.940
	-1.269	-0.790	0.083	1.179	0.878	1.014	1.259	1.154	1.163	1.139	0.675	0.215	-0.019	-0.250	-0.533	-0.718
11	0.942	1.031	1.072	1.132	0.946	1.154	1.068	0.820	0.819	1.065	1.148	0.938	1.123	1.067	1.031	0.943
	0.951	1.039	1.071	1.123	0.935	1.139	1.052	0.809	0.809	1.052	1.139	0.935	1.123	1.071	1.039	0.951
	-0.971	-0.719	0.046	0.737	1.089	1.324	1.504	1.337	1.200	1.205	0.786	0.272	-0.072	-0.379	-0.735	-0.834
13	0.942	1.028	1.071	1.131	0.949	1.158	1.073	0.822	0.819	1.061	1.145	0.936	1.121	1.065	1.028	0.941
	0.951	1.039	1.071	1.123	0.935	1.139	1.052	0.809	0.809	1.052	1.139	0.935	1.123	1.071	1.039	0.951
	-0.934	-1.009	-0.048	0.645	1.419	1.584	1.941	1.508	1.145	0.905	0.515	0.109	-0.184	-0.574	-1.047	-1.051
14	0.932	1.077	0.908	0.991	1.297	0.943	0.870	1.068	1.063	0.860	0.931	1.283	0.983	0.903	1.066	0.928
	0.940	1.083	0.909	0.986	1.285	0.931	0.854	1.052	1.052	0.854	0.930	1.285	0.986	0.909	1.083	0.940
	-0.796	-0.589	-0.072	0.488	0.872	1.339	1.837	1.497	1.086	0.716	0.094	-0.150	-0.254	-0.675	-1.625	-1.259
16	0.746	1.193	0.942	1.145	0.969	1.041	0.955	1.157	1.150	0.934	1.021	0.960	1.140	0.941	1.194	0.745
	0.752	1.201	0.944	1.142	0.962	1.027	0.930	1.139	1.139	0.931	1.027	0.962	1.142	0.944	1.201	0.752
	-0.791	-0.700	-0.162	0.307	0.647	1.289	2.556	1.526	0.942	0.385	-0.560	-0.215	-0.134	-0.225	-0.566	-0.925
17		1.000	1.083	0.928	0.835	0.968	1.300	0.946	0.945	1.290	0.962	0.835	0.928	1.091	1.017	
		1.009	1.086	0.928	0.836	0.962	1.285	0.935	0.935	1.285	0.962	0.836	0.928	1.086	1.009	
		-0.927	-0.277	0.048	-0.175	0.615	1.135	1.182	1.067	0.395	-0.034	-0.196	0.030	0.447	0.777	
19		0.643	1.018	1.206	0.933	1.140	0.991	1.134	1.145	0.991	1.142	0.926	1.202	1.030	0.672	
		0.646	1.020	1.205	0.928	1.142	0.986	1.123	1.123	0.986	1.142	0.928	1.205	1.020	0.646	
		-0.616	-0.198	0.115	0.506	-0.148	0.519	0.951	1.859	0.515	-0.024	-0.202	-0.209	0.927	3.749	
20				1.025	1.089	0.942	0.908	1.072	1.074	0.905	0.938	1.081	1.016			
				1.020	1.086	0.944	0.909	1.071	1.071	0.909	0.944	1.086	1.020			
				0.493	0.216	-0.176	-0.107	0.105	0.223	-0.362	-0.598	-0.532	-0.456			
22				0.647	1.007	1.194	1.074	1.030	1.028	1.066	1.183	0.999	0.642			
				0.646	1.009	1.201	1.083	1.039	1.039	1.083	1.201	1.009	0.647			
				0.119	-0.153	-0.603	-0.920	-0.833	-1.083	-1.613	-1.503	-0.993	-0.777			
23						0.746	0.930	0.939	0.932	0.904	0.733					
						0.752	0.940	0.951	0.951	0.940	0.752					
						-0.856	-1.063	-1.312	-2.059	-3.919	-2.596					

PIDAL-3
SIMULATE-3
(P3-S3)/P3*100%

C3

CYCLE 7 E 16 100.0% POWER - DATE/TIME 12/03/1987 18:02:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.95 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.711	0.897	0.912	0.913	0.901	0.718					
						0.719	0.903	0.916	0.916	0.903	0.719					
						-1.024	-0.685	-0.452	-0.390	-0.163	-0.133					
2				0.615	0.961	1.156	1.072	1.030	1.031	1.079	1.170	0.970	0.619			
				0.621	0.972	1.169	1.079	1.032	1.032	1.079	1.169	0.972	0.621			
				-1.000	-1.060	-1.176	-0.638	-0.220	-0.113	0.014	0.013	-0.159	-0.390			
4				0.993	1.092	0.949	1.097	0.902	0.900	1.105	0.963	1.100	0.996			
				1.002	1.102	0.957	1.102	0.899	0.899	1.102	0.957	1.102	1.002			
				-0.881	-0.927	-0.875	-0.514	0.324	0.072	0.189	0.614	-0.189	-0.543			
5		0.617	0.995	1.199	0.936	1.157	0.973	1.085	1.087	0.981	1.167	0.938	1.197	0.994	0.617	
		0.621	1.002	1.208	0.946	1.169	0.982	1.088	1.088	0.982	1.169	0.946	1.208	1.002	0.621	
		-0.685	-0.707	-0.732	-1.059	-1.035	-0.948	-0.327	-0.127	-0.090	-0.210	-0.862	-0.916	-0.735	-0.701	
7		0.966	1.095	0.940	0.839	0.972	1.266	0.924	0.928	1.287	0.978	0.833	0.937	1.097	0.966	
		0.972	1.102	0.946	0.855	0.984	1.289	0.930	0.930	1.289	0.984	0.855	0.946	1.102	0.972	
		-0.595	-0.635	-0.613	-1.865	-1.330	-1.825	-0.634	-0.206	-0.199	-0.650	-2.626	-0.997	-0.515	-0.586	
8	0.709	1.164	0.958	1.173	0.981	1.055	0.959	1.126	1.126	0.972	1.062	0.983	1.164	0.953	1.163	0.715
	0.719	1.169	0.957	1.169	0.984	1.063	0.968	1.126	1.126	0.968	1.063	0.984	1.169	0.957	1.169	0.719
	-1.333	-0.468	0.030	0.344	-0.310	-0.728	-0.935	0.071	0.038	0.443	-0.138	-0.109	-0.421	-0.411	-0.555	-0.562
10	0.899	1.080	1.110	1.003	1.295	0.965	0.885	1.116	1.119	0.896	0.966	1.285	0.979	1.099	1.075	0.899
	0.903	1.079	1.102	0.982	1.289	0.968	0.896	1.121	1.121	0.896	0.968	1.289	0.982	1.102	1.079	0.903
	-0.468	0.125	0.703	2.085	0.425	-0.347	-1.286	-0.386	-0.152	0.001	-0.246	-0.322	-0.311	-0.273	-0.353	-0.414
11	0.912	1.029	0.903	1.099	0.935	1.123	1.115	0.819	0.820	1.121	1.120	0.926	1.086	0.898	1.030	0.913
	0.916	1.032	0.899	1.088	0.930	1.126	1.121	0.823	0.823	1.121	1.126	0.930	1.088	0.899	1.032	0.916
	-0.472	-0.276	0.410	0.941	0.505	-0.223	-0.526	-0.473	-0.376	0.015	-0.507	-0.393	-0.235	-0.157	-0.253	-0.353
13	0.911	1.020	0.900	1.095	0.939	1.121	1.117	0.819	0.815	1.116	1.119	0.926	1.086	0.901	1.030	0.913
	0.916	1.032	0.899	1.088	0.930	1.126	1.121	0.823	0.823	1.121	1.126	0.930	1.088	0.899	1.032	0.916
	-0.594	-1.187	0.099	0.636	0.958	-0.428	-0.351	-0.500	-1.006	-0.467	-0.548	-0.458	-0.178	0.150	-0.206	-0.311
14	0.903	1.081	1.107	0.986	1.291	0.967	0.896	1.118	1.114	0.891	0.960	1.281	0.980	1.102	1.074	0.900
	0.903	1.079	1.102	0.982	1.289	0.968	0.896	1.121	1.121	0.896	0.968	1.289	0.982	1.102	1.079	0.903
	0.056	0.217	0.447	0.398	0.172	-0.064	0.000	-0.216	-0.580	-0.590	-0.798	-0.656	-0.231	-0.011	-0.427	-0.290
16	0.723	1.184	0.966	1.173	0.982	1.062	0.975	1.127	1.118	0.963	1.048	0.976	1.169	0.961	1.172	0.718
	0.719	1.169	0.957	1.169	0.984	1.063	0.968	1.126	1.126	0.968	1.063	0.984	1.169	0.957	1.169	0.719
	0.664	1.244	0.928	0.338	-0.286	-0.088	0.741	0.098	-0.712	-0.496	-1.490	-0.878	-0.033	0.369	0.255	-0.049
17		1.006	1.119	0.948	0.836	0.977	1.291	0.937	0.941	1.296	0.982	0.841	0.951	1.115	0.986	
		0.972	1.102	0.946	0.855	0.984	1.289	0.930	0.930	1.289	0.984	0.855	0.946	1.102	0.972	
		3.407	1.526	0.232	-2.215	-0.745	0.152	0.763	1.208	0.505	-0.239	-1.638	0.508	1.164	1.443	
19		0.636	1.014	1.214	0.945	1.154	0.984	1.107	1.137	1.000	1.181	0.954	1.230	1.023	0.648	
		0.621	1.002	1.208	0.946	1.169	0.982	1.088	1.088	0.982	1.169	0.946	1.208	1.002	0.621	
		2.301	1.272	0.543	-0.147	-1.316	0.203	1.746	4.290	1.811	0.995	0.848	1.845	2.068	4.120	
20				1.012	1.105	0.955	1.105	0.910	0.919	1.121	0.971	1.118	1.018			
				1.002	1.102	0.957	1.102	0.899	0.899	1.102	0.957	1.102	1.002			
				1.065	0.264	-0.219	0.260	1.168	2.123	1.645	1.436	1.397	1.592			
22				0.625	0.973	1.167	1.077	1.038	1.043	1.091	1.189	0.986	0.631			
				0.621	0.972	1.169	1.079	1.032	1.032	1.079	1.169	0.972	0.621			
				0.569	0.121	-0.214	-0.161	0.589	1.066	1.137	1.630	1.507	1.509			
23						0.717	0.903	0.919	0.920	0.901	0.724			PIDAL-3		
						0.719	0.903	0.916	0.916	0.903	0.719			SIMULATE-3		
						-0.198	-0.025	0.300	0.398	-0.167	0.785			(P3-S3)/P3*100%		

CYCLE 8 E 11 77.3% POWER - DATE/TIME 09/30/1989 13:32:00

C3

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.53 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.649	0.761	0.305	0.335	0.788	0.664					
						0.655	0.768	0.304	0.305	0.773	0.656					
						-0.869	-0.945	0.425	8.982	1.849	1.202					
2				0.197	0.597	1.108	1.142	1.115	1.134	1.162	1.127	0.608	0.200			
				0.199	0.603	1.116	1.156	1.130	1.131	1.158	1.117	0.603	0.199			
				-1.034	-0.936	-0.722	-1.179	-1.317	0.296	0.346	0.828	0.760	0.559			
4				0.957	1.248	0.994	1.164	1.134	1.166	1.191	1.022	1.272	0.972			
				0.970	1.262	1.006	1.186	1.175	1.176	1.186	1.006	1.263	0.970			
				-1.401	-1.196	-1.174	-1.842	-3.608	-0.809	0.406	1.558	0.696	0.280			
5		0.196	0.955	1.269	1.049	1.304	1.015	1.171	1.184	1.035	1.331	1.064	1.287	0.964	0.198	
		0.199	0.970	1.290	1.061	1.319	1.029	1.187	1.187	1.029	1.321	1.062	1.290	0.970	0.199	
		-1.270	-1.557	-1.607	-1.128	-1.182	-1.318	-1.358	-0.269	0.550	0.721	0.226	-0.170	-0.585	-0.665	
7		0.596	1.244	1.052	1.136	1.018	1.280	0.992	1.001	1.310	1.037	1.137	1.058	1.251	0.596	
		0.603	1.263	1.062	1.144	1.025	1.293	0.994	0.995	1.294	1.028	1.144	1.061	1.262	0.603	
		-1.111	-1.536	-0.878	-0.699	-0.719	-1.024	-0.211	0.641	1.191	0.931	-0.611	-0.302	-0.957	-1.073	
8	0.649	1.110	1.003	1.322	1.029	1.107	0.983	1.181	1.187	1.017	1.133	1.055	1.324	0.997	1.102	0.646
	0.656	1.117	1.006	1.321	1.028	1.108	0.985	1.169	1.169	0.986	1.108	1.025	1.319	1.006	1.116	0.655
	-1.123	-0.654	-0.352	0.069	0.122	-0.114	-0.217	1.028	1.569	3.022	2.177	2.824	0.347	-0.862	-1.255	-1.383
10	0.769	1.157	1.192	1.048	1.305	0.989	1.091	1.137	1.146	1.125	1.004	1.310	1.028	1.164	1.140	0.758
	0.773	1.158	1.186	1.029	1.294	0.986	1.099	1.128	1.128	1.099	0.985	1.293	1.029	1.186	1.156	0.768
	-0.540	-0.070	0.458	1.764	0.846	0.320	-0.731	0.751	1.562	2.266	1.885	1.286	-0.082	-1.887	-1.371	-1.424
11	0.304	1.128	1.180	1.202	1.010	1.182	1.137	0.907	0.912	1.158	1.191	1.002	1.183	1.160	1.117	0.301
	0.305	1.131	1.176	1.187	0.995	1.169	1.128	0.897	0.897	1.128	1.169	0.994	1.187	1.175	1.130	0.304
	-0.414	-0.295	0.367	1.237	1.497	1.085	0.746	1.069	1.642	2.582	1.895	0.806	-0.313	-1.298	-1.133	-1.116
13	0.301	1.115	1.177	1.202	1.026	1.188	1.145	0.910	0.908	1.139	1.178	0.996	1.179	1.154	1.122	0.304
	0.304	1.130	1.175	1.187	0.994	1.169	1.128	0.897	0.897	1.128	1.169	0.995	1.187	1.176	1.131	0.305
	-0.832	-1.310	0.164	1.303	3.050	1.623	1.508	1.328	1.144	0.947	0.818	0.151	-0.647	-1.840	-0.804	-0.527
14	0.765	1.152	1.188	1.037	1.310	0.999	1.119	1.146	1.140	1.090	0.986	1.290	1.023	1.179	1.162	0.773
	0.768	1.156	1.186	1.029	1.293	0.985	1.099	1.128	1.128	1.099	0.986	1.294	1.029	1.186	1.158	0.773
	-0.440	-0.294	0.223	0.769	1.312	1.422	1.773	1.520	1.063	-0.856	-0.047	-0.329	-0.591	-0.618	0.356	-0.004
16	0.653	1.116	1.008	1.322	1.028	1.119	1.013	1.191	1.196	0.989	1.109	1.024	1.310	1.001	1.116	0.656
	0.655	1.116	1.006	1.319	1.025	1.108	0.986	1.169	1.169	0.985	1.108	1.028	1.321	1.006	1.117	0.656
	-0.214	0.043	0.269	0.230	0.296	0.969	2.650	1.830	2.260	0.379	0.093	-0.389	-0.848	-0.533	-0.074	-0.092
17		0.610	1.267	1.060	1.125	1.022	1.301	1.002	1.001	1.291	1.021	1.136	1.047	1.253	0.606	
		0.603	1.262	1.061	1.144	1.028	1.294	0.995	0.994	1.293	1.025	1.144	1.062	1.263	0.603	
		1.175	0.347	-0.079	-1.695	-0.507	0.536	0.766	0.615	-0.118	-0.415	-0.705	-1.424	-0.779	0.535	
19		0.201	0.974	1.295	1.085	1.295	1.026	1.187	1.181	1.022	1.305	1.042	1.245	0.959	0.223	
		0.199	0.970	1.290	1.062	1.321	1.029	1.187	1.187	1.029	1.319	1.061	1.290	0.970	0.199	
		0.866	0.390	0.409	2.161	-2.037	-0.355	-0.029	-0.468	-0.620	-1.122	-1.780	-3.555	-1.105	10.827	
20				0.964	1.268	1.004	1.187	1.174	1.170	1.176	0.993	1.239	0.944			
				0.970	1.263	1.006	1.186	1.176	1.175	1.186	1.006	1.262	0.970			
				-0.567	0.443	-0.283	0.099	-0.105	-0.482	-0.848	-1.275	-1.881	-2.703			
22				0.199	0.605	1.120	1.169	1.133	1.124	1.143	1.099	0.593	0.195			
				0.199	0.603	1.117	1.158	1.131	1.130	1.156	1.116	0.603	0.199			
				-0.077	0.343	0.212	0.893	0.143	-0.495	-1.100	-1.505	-1.701	-2.136			
23						0.658	0.777	0.306	0.301	0.752	0.643			PIDAL-3		
						0.656	0.773	0.305	0.304	0.768	0.655			SIMULATE-3		
						0.288	0.506	0.187	-0.907	-2.128	-1.818			(P3-S3)/P3*100%		

CYCLE 9 E 9 99.9% POWER - DATE/TIME 09/30/1991 10:02:00

C3

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.86 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.368	0.462	0.346	0.341	0.462	0.369					
						0.374	0.468	0.352	0.351	0.465	0.370					
						-1.496	-1.292	-1.557	-2.833	-0.755	-0.191					
2				0.168	0.527	1.052	1.177	1.173	1.175	1.184	1.065	0.533	0.169			
				0.169	0.534	1.069	1.192	1.187	1.186	1.189	1.065	0.532	0.169			
				-1.005	-1.280	-1.583	-1.241	-1.172	-0.936	-0.387	0.007	0.066	-0.024			
4				0.484	1.112	1.351	1.334	1.243	1.248	1.344	1.371	1.125	0.487			
				0.487	1.124	1.366	1.349	1.257	1.256	1.347	1.363	1.124	0.487			
				-0.672	-1.075	-1.155	-1.191	-1.152	-0.642	-0.243	0.543	0.111	-0.026			
5		0.169	0.486	0.780	1.230	1.323	1.083	1.241	1.243	1.089	1.334	1.239	0.779	0.485	0.169	
		0.169	0.487	0.782	1.242	1.337	1.092	1.248	1.248	1.091	1.335	1.242	0.782	0.488	0.169	
		-0.156	-0.244	-0.187	-0.943	-1.027	-0.760	-0.570	-0.378	-0.191	-0.082	-0.201	-0.312	-0.439	-0.561	
7		0.530	1.120	1.235	1.215	1.108	1.331	1.126	1.126	1.334	1.114	1.223	1.238	1.119	0.530	
		0.531	1.123	1.243	1.232	1.116	1.336	1.128	1.127	1.335	1.116	1.233	1.244	1.126	0.533	
		-0.141	-0.347	-0.593	-1.426	-0.745	-0.307	-0.121	-0.080	-0.089	-0.147	-0.754	-0.453	-0.564	-0.545	
8	0.360	1.065	1.363	1.333	1.118	1.060	1.039	1.216	1.213	1.042	1.066	1.128	1.335	1.360	1.062	0.372
	0.370	1.065	1.364	1.338	1.124	1.064	1.041	1.211	1.211	1.041	1.064	1.125	1.340	1.367	1.068	0.374
	-2.848	0.022	-0.072	-0.434	-0.527	-0.402	-0.196	0.373	0.193	0.132	0.126	0.329	-0.382	-0.562	-0.589	-0.538
10	0.467	1.203	1.351	1.092	1.341	1.047	1.222	1.155	1.156	1.230	1.050	1.343	1.090	1.338	1.185	0.466
	0.465	1.189	1.348	1.093	1.342	1.049	1.228	1.154	1.154	1.228	1.049	1.343	1.094	1.351	1.192	0.468
	0.274	1.205	0.224	-0.105	-0.132	-0.177	-0.486	0.071	0.235	0.212	0.116	0.019	-0.368	-0.916	-0.546	-0.451
11	0.352	1.190	1.260	1.253	1.133	1.217	1.151	1.028	1.030	1.160	1.215	1.130	1.247	1.251	1.183	0.351
	0.351	1.186	1.257	1.249	1.130	1.213	1.153	1.026	1.026	1.153	1.213	1.130	1.249	1.258	1.187	0.352
	0.184	0.360	0.269	0.282	0.307	0.284	-0.102	0.153	0.413	0.614	0.165	0.000	-0.235	-0.496	-0.284	-0.245
13	0.351	1.183	1.260	1.255	1.140	1.225	1.149	1.029	1.032	1.154	1.214	1.130	1.247	1.249	1.189	0.352
	0.352	1.187	1.258	1.249	1.130	1.213	1.153	1.026	1.026	1.153	1.213	1.130	1.249	1.257	1.186	0.351
	-0.168	-0.321	0.192	0.445	0.911	0.945	-0.370	0.213	0.596	0.143	0.089	0.008	-0.151	-0.599	0.245	0.355
14	0.468	1.193	1.353	1.098	1.351	1.054	1.230	1.159	1.160	1.219	1.048	1.343	1.094	1.353	1.209	0.472
	0.468	1.192	1.351	1.094	1.343	1.049	1.228	1.154	1.154	1.228	1.049	1.342	1.093	1.348	1.189	0.465
	0.145	0.124	0.186	0.376	0.587	0.508	0.152	0.438	0.514	-0.678	-0.037	0.059	0.106	0.324	1.636	1.320
16	0.375	1.072	1.373	1.345	1.129	1.068	1.045	1.221	1.232	1.046	1.069	1.126	1.341	1.371	1.076	0.374
	0.374	1.068	1.367	1.340	1.125	1.065	1.041	1.211	1.211	1.041	1.065	1.124	1.338	1.364	1.065	0.370
	0.301	0.361	0.403	0.341	0.386	0.365	0.362	0.784	1.650	0.424	0.409	0.220	0.177	0.531	1.001	1.122
17		0.539	1.132	1.250	1.233	1.118	1.339	1.134	1.135	1.340	1.118	1.233	1.246	1.129	0.537	
		0.533	1.126	1.244	1.232	1.116	1.335	1.127	1.128	1.336	1.117	1.232	1.243	1.123	0.531	
		1.066	0.568	0.536	0.071	0.177	0.318	0.555	0.663	0.297	0.151	0.035	0.260	0.489	1.022	
19		0.171	0.492	0.791	1.256	1.332	1.093	1.252	1.250	1.091	1.334	1.242	0.782	0.490	0.176	
		0.169	0.487	0.782	1.241	1.335	1.090	1.248	1.248	1.092	1.337	1.242	0.782	0.487	0.169	
		0.924	0.883	1.230	1.133	-0.229	0.239	0.335	0.116	-0.037	-0.181	-0.036	0.062	0.674	4.267	
20				0.504	1.137	1.371	1.353	1.261	1.257	1.344	1.362	1.122	0.487			
				0.487	1.123	1.362	1.346	1.256	1.257	1.349	1.366	1.125	0.487			
				3.491	1.253	0.632	0.531	0.374	-0.030	-0.405	-0.333	-0.255	-0.073			
22				0.173	0.538	1.072	1.203	1.190	1.184	1.182	1.061	0.531	0.169			
				0.169	0.531	1.061	1.187	1.185	1.187	1.192	1.069	0.534	0.169			
				2.339	1.215	0.947	1.309	0.415	-0.244	-0.809	-0.723	-0.439	-0.293			
23						0.362	0.469	0.352	0.348	0.449	0.367			PIDAL-3		
						0.358	0.464	0.351	0.352	0.468	0.374			SIMULATE-3		
						1.038	1.089	0.293	-1.121	-4.319	-1.780			(P3-S3)/P3*100%		

CYCLE 10 E 10 99.9% POWER - DATE/TIME 11/30/1992 11:02:00

C3

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.21 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.228	0.360	0.243	0.245	0.364	0.228					
						0.223	0.352	0.237	0.239	0.356	0.224					
						2.358	2.161	2.125	2.258	2.116	1.791					
2				0.177	0.502	1.056	0.939	1.126	1.125	0.949	1.059	0.505	0.178			
				0.175	0.494	1.030	0.920	1.102	1.103	0.929	1.041	0.498	0.176			
				0.978	1.629	2.473	2.075	2.106	1.929	2.144	1.774	1.399	0.968			
4				0.568	1.235	1.181	1.378	1.184	1.157	1.404	1.200	1.246	0.571			
				0.565	1.224	1.164	1.357	1.156	1.137	1.385	1.180	1.233	0.567			
				0.439	0.911	1.396	1.567	2.367	1.678	1.346	1.637	1.053	0.731			
5		0.178	0.570	1.241	1.200	1.475	1.104	1.152	1.417	1.142	1.492	1.207	1.248	0.565	0.175	
		0.176	0.567	1.244	1.195	1.466	1.095	1.138	1.407	1.135	1.483	1.200	1.244	0.565	0.175	
		0.809	0.528	-0.246	0.418	0.614	0.852	1.202	0.733	0.603	0.575	0.541	0.299	0.034	-0.032	
7		0.504	1.246	1.202	1.404	1.212	1.420	1.119	1.126	1.423	1.212	1.402	1.194	1.219	0.494	
		0.498	1.232	1.199	1.401	1.207	1.420	1.115	1.125	1.431	1.212	1.401	1.193	1.223	0.494	
		1.201	1.094	0.299	0.170	0.380	0.019	0.341	0.016	-0.565	0.027	0.038	0.071	-0.333	-0.005	
8	0.224	1.053	1.188	1.481	1.212	1.056	1.142	1.426	1.192	1.093	1.048	1.210	1.465	1.166	1.032	0.223
	0.224	1.040	1.180	1.482	1.211	1.056	1.142	1.425	1.200	1.121	1.056	1.206	1.465	1.164	1.029	0.223
	0.273	1.224	0.733	-0.065	0.055	0.014	-0.029	0.075	-0.707	-2.501	-0.726	0.350	0.012	0.183	0.265	0.292
10	0.363	0.948	1.392	1.125	1.422	1.117	1.377	1.147	1.123	1.362	1.130	1.413	1.094	1.362	0.925	0.354
	0.356	0.928	1.384	1.134	1.430	1.120	1.383	1.152	1.133	1.383	1.141	1.418	1.093	1.356	0.920	0.352
	1.911	2.088	0.622	-0.819	-0.555	-0.293	-0.421	-0.400	-0.901	-1.559	-0.976	-0.415	0.046	0.421	0.524	0.560
11	0.246	1.133	1.151	1.403	1.117	1.195	1.124	1.051	1.049	1.135	1.404	1.108	1.138	1.161	1.109	0.239
	0.239	1.102	1.137	1.406	1.125	1.200	1.133	1.059	1.059	1.152	1.424	1.114	1.137	1.155	1.102	0.237
	2.731	2.686	1.275	-0.180	-0.643	-0.409	-0.748	-0.736	-0.940	-1.469	-1.449	-0.592	0.101	0.505	0.694	0.694
13	0.247	1.156	1.176	1.138	1.093	1.421	1.133	1.048	1.050	1.118	1.186	1.118	1.404	1.145	1.115	0.242
	0.237	1.102	1.155	1.137	1.114	1.424	1.152	1.059	1.059	1.133	1.200	1.125	1.406	1.137	1.102	0.239
	3.918	4.712	1.748	0.094	-1.926	-0.226	-1.658	-1.080	-0.844	-1.339	-1.177	-0.609	-0.121	0.749	1.114	1.234
14	0.361	0.941	1.369	1.094	1.407	1.134	1.366	1.120	1.135	1.357	1.105	1.418	1.133	1.392	0.949	0.363
	0.352	0.920	1.356	1.093	1.418	1.142	1.383	1.134	1.152	1.383	1.120	1.430	1.134	1.384	0.928	0.356
	2.427	2.249	0.948	0.061	-0.826	-0.652	-1.287	-1.251	-1.483	-1.881	-1.423	-0.819	-0.136	0.574	2.156	1.809
16	0.226	1.038	1.168	1.463	1.203	1.050	1.108	1.186	1.399	1.123	1.033	1.203	1.477	1.183	1.050	0.226
	0.223	1.029	1.163	1.465	1.206	1.056	1.121	1.201	1.425	1.142	1.056	1.211	1.482	1.180	1.040	0.224
	1.227	0.869	0.432	-0.162	-0.277	-0.585	-1.193	-1.285	-1.875	-1.757	-2.222	-0.682	-0.364	0.287	0.959	1.107
17		0.490	1.221	1.191	1.398	1.209	1.421	1.116	1.103	1.401	1.195	1.396	1.194	1.231	0.499	
		0.494	1.223	1.193	1.401	1.212	1.431	1.126	1.115	1.420	1.207	1.401	1.199	1.232	0.498	
		-0.840	-0.160	-0.212	-0.229	-0.258	-0.760	-0.867	-1.128	-1.315	-1.006	-0.357	-0.390	-0.145	0.221	
19		0.174	0.563	1.236	1.187	1.481	1.132	1.400	1.134	1.085	1.451	1.186	1.232	0.563	0.172	
		0.175	0.565	1.244	1.200	1.483	1.135	1.407	1.138	1.095	1.466	1.195	1.244	0.567	0.176	
		-0.547	-0.313	-0.629	-1.113	-0.178	-0.282	-0.541	-0.414	-0.910	-1.027	-0.748	-0.989	-0.629	-2.351	
20				0.565	1.227	1.181	1.386	1.137	1.151	1.344	1.154	1.213	0.560			
				0.567	1.233	1.181	1.385	1.138	1.156	1.357	1.164	1.224	0.565			
				-0.439	-0.483	0.033	0.068	-0.045	-0.478	-0.937	-0.872	-0.873	-0.863			
22				0.176	0.498	1.046	0.942	1.105	1.097	0.911	1.019	0.490	0.174			
				0.176	0.498	1.041	0.929	1.103	1.102	0.920	1.029	0.494	0.175			
				-0.280	0.019	0.520	1.382	0.187	-0.478	-1.017	-1.002	-0.864	-0.880			
23						0.225	0.361	0.240	0.235	0.339	0.219					
						0.224	0.357	0.239	0.238	0.352	0.223					
						0.653	1.138	0.194	-1.088	-3.934	-1.756					

PIDAL-3
SIMULATE-3
(P3-S3)/P3*100%

C3

CYCLE 11 E 10 97.3% POWER - DATE/TIME 10/01/1994 07:02:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.24 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.195	0.312	0.225	0.221	0.346	0.218					
						0.195	0.313	0.226	0.226	0.350	0.220					
						-0.127	-0.336	-0.852	-2.330	-1.401	-0.952					
2				0.152	0.397	0.721	0.893	1.237	1.010	1.192	0.763	0.404	0.155			
				0.153	0.397	0.722	0.896	1.246	1.020	1.209	0.768	0.405	0.154			
				-0.336	-0.165	-0.106	-0.279	-0.711	-0.952	-1.412	-0.673	-0.085	0.324			
4				0.425	1.210	1.228	1.470	1.334	1.464	1.195	1.174	1.223	0.432			
				0.428	1.213	1.229	1.474	1.342	1.476	1.202	1.177	1.221	0.429			
				-0.728	-0.283	-0.115	-0.293	-0.563	-0.784	-0.598	-0.265	0.132	0.530			
5		0.154	0.427	0.873	1.218	1.523	1.150	1.503	0.993	1.260	1.499	1.259	0.896	0.436	0.155	
		0.154	0.429	0.886	1.220	1.523	1.146	1.508	0.998	1.265	1.501	1.252	0.887	0.428	0.153	
		0.009	-0.447	-1.568	-0.167	-0.024	0.325	-0.340	-0.492	-0.436	-0.141	0.598	1.035	1.736	1.819	
7		0.405	1.223	1.248	1.467	1.050	1.545	1.232	0.977	1.413	1.019	1.479	1.235	1.241	0.404	
		0.404	1.221	1.252	1.461	1.046	1.521	1.232	0.983	1.424	1.019	1.461	1.220	1.213	0.397	
		0.212	0.194	-0.299	0.354	0.457	1.515	-0.053	-0.648	-0.721	-0.079	1.229	1.187	2.219	1.756	
8	0.215	0.769	1.175	1.489	1.015	1.466	1.279	1.206	1.416	1.036	1.459	1.041	1.526	1.237	0.727	0.196
	0.220	0.768	1.177	1.501	1.020	1.474	1.284	1.226	1.436	1.050	1.474	1.045	1.523	1.229	0.722	0.195
	-2.541	0.100	-0.177	-0.845	-0.470	-0.554	-0.404	-1.671	-1.432	-1.349	-1.005	-0.450	0.190	0.678	0.792	0.724
10	0.352	1.216	1.202	1.243	1.404	1.038	1.496	1.011	1.185	1.500	1.267	1.506	1.142	1.469	0.899	0.315
	0.350	1.209	1.203	1.265	1.424	1.050	1.521	1.026	1.200	1.521	1.284	1.521	1.146	1.475	0.896	0.313
	0.393	0.562	-0.093	-1.803	-1.368	-1.201	-1.642	-1.447	-1.282	-1.374	-1.397	-1.009	-0.332	-0.398	0.327	0.433
11	0.230	1.037	1.484	0.993	0.970	1.414	1.187	1.093	1.091	1.017	1.190	1.218	1.501	1.343	1.252	0.228
	0.226	1.020	1.476	0.998	0.984	1.436	1.200	1.105	1.105	1.026	1.226	1.232	1.508	1.342	1.246	0.227
	1.587	1.677	0.534	-0.547	-1.386	-1.552	-1.108	-1.109	-1.253	-0.846	-3.037	-1.171	-0.487	0.111	0.503	0.662
13	0.234	1.296	1.361	1.505	1.207	1.202	1.024	1.094	1.082	1.187	1.414	0.976	0.998	1.483	1.035	0.230
	0.227	1.246	1.342	1.508	1.232	1.226	1.026	1.105	1.105	1.200	1.436	0.984	0.998	1.476	1.020	0.226
	3.389	3.833	1.412	-0.217	-2.067	-1.943	-0.132	-0.987	-2.132	-1.080	-1.579	-0.773	-0.011	0.488	1.467	1.649
14	0.322	0.920	1.496	1.153	1.515	1.278	1.511	1.189	1.012	1.516	1.043	1.419	1.270	1.219	1.251	0.361
	0.313	0.896	1.475	1.146	1.521	1.284	1.521	1.200	1.026	1.521	1.050	1.424	1.265	1.203	1.209	0.350
	2.763	2.660	1.421	0.604	-0.402	-0.533	-0.633	-0.891	-1.309	-0.316	-0.674	-0.312	0.379	1.341	3.348	3.063
16	0.200	0.739	1.250	1.543	1.057	1.475	1.046	1.420	1.200	1.275	1.463	1.021	1.505	1.188	0.784	0.225
	0.195	0.721	1.229	1.523	1.046	1.474	1.050	1.436	1.226	1.284	1.474	1.020	1.501	1.177	0.768	0.220
	2.549	2.409	1.718	1.278	1.111	0.089	-0.397	-1.127	-2.199	-0.721	-0.775	0.094	0.280	0.914	2.075	2.366
17		0.411	1.238	1.245	1.507	1.029	1.425	0.982	1.229	1.517	1.046	1.472	1.254	1.225	0.407	
		0.397	1.213	1.220	1.461	1.019	1.423	0.983	1.232	1.521	1.046	1.461	1.252	1.221	0.404	
		3.388	2.009	2.025	3.066	0.907	0.101	-0.192	-0.288	-0.305	0.037	0.731	0.189	0.359	0.731	
19		0.157	0.436	0.897	1.257	1.502	1.270	1.004	1.521	1.150	1.524	1.221	0.873	0.427	0.148	
		0.153	0.428	0.887	1.252	1.501	1.265	0.998	1.508	1.146	1.523	1.220	0.886	0.429	0.154	
		2.622	1.774	1.191	0.382	0.033	0.371	0.547	0.869	0.344	0.060	0.050	-1.506	-0.609	-3.880	
20				0.430	1.225	1.183	1.212	1.485	1.352	1.480	1.233	1.214	0.426			
				0.429	1.221	1.177	1.202	1.476	1.342	1.474	1.229	1.213	0.428			
				0.063	0.341	0.514	0.829	0.628	0.742	0.384	0.286	0.032	-0.525			
22				0.155	0.407	0.776	1.224	1.029	1.255	0.902	0.726	0.398	0.153			
				0.154	0.405	0.768	1.209	1.019	1.246	0.896	0.722	0.397	0.153			
				0.482	0.658	0.979	1.279	0.939	0.718	0.720	0.544	0.243	-0.043			
23						0.223	0.355	0.228	0.228	0.317	0.196			PIDAL-3		
						0.220	0.350	0.226	0.226	0.313	0.195			SIMULATE-3		
						1.093	1.333	0.978	0.841	1.187	0.765			(P3-S3)/P3*100%		

C3

CYCLE 12 E 10 97.6% POWER - DATE/TIME 04/01/1996 00:01:03

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.90 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.208	0.291	0.184	0.183	0.276	0.157					
						0.207	0.293	0.186	0.185	0.273	0.155					
						0.207	-0.519	-0.937	-0.933	1.349	0.920					
2				0.139	0.387	0.711	1.072	0.889	1.098	0.848	0.690	0.387	0.141			
				0.139	0.387	0.708	1.079	0.898	1.100	0.832	0.684	0.386	0.141			
				-0.366	-0.134	0.468	-0.680	-1.029	-0.188	1.937	0.833	0.231	0.096			
4				0.447	1.173	1.090	0.989	1.461	1.008	1.440	1.150	1.201	0.456			
				0.449	1.180	1.094	0.999	1.495	1.016	1.441	1.148	1.203	0.455			
				-0.649	-0.597	-0.429	-1.039	-2.352	-0.846	-0.081	0.130	-0.131	0.015			
5		0.141	0.457	0.920	1.304	1.592	1.310	1.381	1.591	1.130	1.582	1.308	0.929	0.455	0.141	
		0.141	0.455	0.928	1.313	1.603	1.317	1.398	1.607	1.136	1.590	1.314	0.928	0.449	0.139	
		0.558	0.245	-0.885	-0.739	-0.721	-0.544	-1.230	-1.015	-0.455	-0.489	-0.461	0.133	1.171	1.312	
7		0.390	1.214	1.311	1.587	1.096	1.601	1.097	1.262	1.247	1.092	1.583	1.315	1.203	0.393	
		0.386	1.203	1.314	1.601	1.100	1.600	1.110	1.272	1.253	1.098	1.601	1.313	1.180	0.387	
		0.912	0.950	-0.271	-0.908	-0.390	0.018	-1.155	-0.823	-0.502	-0.599	-1.158	0.113	1.937	1.446	
8	0.155	0.690	1.153	1.583	1.094	1.048	1.250	1.520	1.083	1.505	1.047	1.094	1.601	1.102	0.712	0.208
	0.155	0.684	1.148	1.590	1.098	1.051	1.257	1.561	1.095	1.513	1.051	1.100	1.603	1.095	0.708	0.207
	-0.135	0.790	0.416	-0.433	-0.359	-0.266	-0.566	-2.695	-1.146	-0.537	-0.370	-0.552	-0.139	0.688	0.521	0.413
10	0.276	0.843	1.443	1.127	1.253	1.513	1.084	1.089	1.560	1.074	1.258	1.596	1.316	0.998	1.080	0.293
	0.273	0.832	1.441	1.136	1.253	1.513	1.077	1.097	1.571	1.077	1.257	1.600	1.317	0.999	1.079	0.293
	1.184	1.322	0.172	-0.809	-0.061	0.028	0.661	-0.760	-0.718	-0.308	0.028	-0.304	-0.068	-0.100	0.052	0.135
11	0.188	1.119	1.025	1.609	1.277	1.100	1.573	1.400	1.399	1.095	1.568	1.109	1.394	1.487	0.898	0.186
	0.185	1.100	1.016	1.607	1.272	1.095	1.571	1.401	1.402	1.097	1.561	1.110	1.398	1.495	0.898	0.186
	1.754	1.663	0.843	0.130	0.363	0.451	0.103	-0.092	-0.190	-0.152	0.438	-0.062	-0.287	-0.533	-0.026	0.020
13	0.191	0.927	1.514	1.408	1.116	1.575	1.099	1.403	1.403	1.568	1.095	1.270	1.598	1.006	1.101	0.185
	0.186	0.898	1.495	1.398	1.110	1.561	1.097	1.402	1.401	1.571	1.095	1.272	1.607	1.016	1.100	0.185
	2.689	3.104	1.217	0.709	0.513	0.900	0.134	0.086	0.120	-0.203	-0.058	-0.183	-0.590	-1.079	0.087	0.365
14	0.299	1.101	1.012	1.327	1.607	1.266	1.081	1.572	1.098	1.076	1.503	1.249	1.132	1.438	0.847	0.277
	0.293	1.079	0.999	1.317	1.600	1.257	1.077	1.571	1.097	1.077	1.513	1.253	1.136	1.441	0.832	0.273
	2.093	1.983	1.252	0.767	0.397	0.659	0.354	0.047	0.105	-0.143	-0.641	-0.377	-0.352	-0.177	1.794	1.431
16	0.211	0.720	1.106	1.609	1.102	1.055	1.519	1.098	1.561	1.254	1.036	1.091	1.581	1.148	0.690	0.157
	0.207	0.708	1.095	1.603	1.100	1.051	1.513	1.095	1.561	1.257	1.051	1.098	1.590	1.148	0.684	0.155
	1.808	1.686	1.049	0.371	0.204	0.346	0.368	0.255	0.006	-0.301	-1.458	-0.703	-0.537	0.003	0.761	0.895
17		0.397	1.189	1.316	1.592	1.098	1.258	1.276	1.110	1.594	1.093	1.587	1.309	1.201	0.388	
		0.387	1.180	1.313	1.601	1.098	1.253	1.272	1.110	1.600	1.100	1.601	1.315	1.203	0.386	
		2.561	0.807	0.215	-0.552	-0.027	0.339	0.306	0.014	-0.403	-0.667	-0.906	-0.448	-0.137	0.491	
19		0.141	0.453	0.931	1.316	1.585	1.138	1.609	1.400	1.316	1.595	1.307	0.925	0.456	0.146	
		0.139	0.449	0.928	1.314	1.590	1.135	1.607	1.398	1.317	1.603	1.313	0.928	0.455	0.141	
		1.592	0.677	0.301	0.127	-0.263	0.243	0.117	0.091	-0.061	-0.489	-0.498	-0.282	0.117	4.035	
20				0.455	1.205	1.153	1.449	1.021	1.497	1.000	1.094	1.176	0.448			
				0.455	1.202	1.148	1.441	1.016	1.495	0.999	1.094	1.180	0.449			
				-0.163	0.195	0.423	0.542	0.503	0.145	0.142	-0.059	-0.298	-0.245			
22				0.141	0.388	0.692	0.849	1.111	0.904	1.084	0.709	0.387	0.139			
				0.141	0.386	0.684	0.832	1.100	0.898	1.079	0.708	0.387	0.139			
				0.161	0.536	1.072	2.073	0.955	0.648	0.439	0.213	-0.059	-0.127			
23						0.157	0.278	0.187	0.187	0.298	0.209			PIDAL-3		
						0.155	0.273	0.185	0.186	0.293	0.207			SIMULATE-3		
						1.238	1.815	1.163	0.945	1.880	0.715			(P3-S3)/P3*100%		

C3

CYCLE 13 E 9 97.6% POWER - DATE/TIME 09/01/1997 00:00:04

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.09 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.173	0.279	0.297	0.281	0.315	0.187					
						0.174	0.281	0.302	0.302	0.315	0.186					
						-0.529	-0.802	-1.940	-7.435	-0.121	0.746					
2				0.125	0.318	0.569	1.079	0.915	0.917	1.093	0.591	0.328	0.124			
				0.125	0.319	0.572	1.076	0.920	0.920	1.067	0.584	0.326	0.123			
				0.106	-0.277	-0.383	0.213	-0.571	-0.303	2.379	1.039	0.745	0.672			
4				0.355	0.791	1.297	1.308	1.489	1.327	1.302	1.310	0.794	0.345			
				0.354	0.793	1.293	1.316	1.483	1.331	1.296	1.289	0.790	0.343			
				0.270	-0.281	0.314	-0.607	0.431	-0.261	0.405	1.579	0.511	0.478			
5		0.124	0.346	0.699	1.332	1.086	1.529	1.337	1.348	1.548	1.105	1.340	0.696	0.358	0.126	
		0.123	0.343	0.693	1.325	1.092	1.526	1.348	1.355	1.536	1.103	1.326	0.693	0.354	0.125	
		0.759	0.755	0.807	0.542	-0.543	0.176	-0.791	-0.530	0.756	0.177	1.059	0.434	1.022	1.126	
7		0.328	0.795	1.337	1.290	1.517	1.152	1.404	1.566	1.153	1.534	1.297	1.343	0.805	0.323	
		0.326	0.790	1.326	1.296	1.515	1.163	1.426	1.568	1.159	1.523	1.296	1.325	0.793	0.319	
		0.583	0.644	0.847	-0.484	0.154	-0.940	-1.531	-0.131	-0.482	0.768	0.082	1.298	1.495	1.085	
8	0.178	0.586	1.302	1.101	1.527	1.191	1.539	1.298	1.134	1.508	1.198	1.533	1.096	1.311	0.575	0.175
	0.186	0.584	1.289	1.103	1.523	1.202	1.551	1.340	1.152	1.503	1.202	1.515	1.092	1.293	0.572	0.174
	-4.169	0.340	1.014	-0.152	0.310	-0.989	-0.776	-3.239	-1.604	0.293	-0.358	1.179	0.355	1.432	0.560	0.475
10	0.317	1.089	1.299	1.545	1.151	1.501	1.177	1.552	1.303	1.179	1.549	1.159	1.541	1.321	1.089	0.282
	0.315	1.067	1.296	1.536	1.159	1.503	1.194	1.570	1.326	1.194	1.551	1.163	1.527	1.316	1.076	0.281
	0.530	2.016	0.237	0.585	-0.677	-0.141	-1.415	-1.168	-1.782	-1.258	-0.093	-0.362	0.910	0.350	1.149	0.381
11	0.304	0.928	1.332	1.350	1.569	1.138	1.309	1.303	1.300	1.559	1.315	1.414	1.344	1.496	0.922	0.304
	0.302	0.920	1.331	1.355	1.568	1.152	1.326	1.327	1.327	1.570	1.340	1.426	1.348	1.483	0.920	0.302
	0.760	0.786	0.127	-0.318	0.101	-1.225	-1.338	-1.837	-2.065	-0.704	-1.947	-0.861	-0.269	0.863	0.260	0.364
13	0.305	0.930	1.498	1.343	1.411	1.317	1.569	1.304	1.287	1.302	1.138	1.571	1.350	1.325	0.925	0.304
	0.302	0.920	1.483	1.348	1.426	1.340	1.570	1.327	1.327	1.326	1.152	1.568	1.355	1.331	0.920	0.302
	0.893	1.061	1.037	-0.326	-1.029	-1.786	-0.056	-1.795	-3.105	-1.904	-1.268	0.221	-0.331	-0.417	0.557	0.717
14	0.282	1.089	1.316	1.536	1.157	1.550	1.183	1.308	1.554	1.175	1.506	1.155	1.549	1.301	1.095	0.320
	0.281	1.076	1.316	1.527	1.163	1.551	1.194	1.326	1.570	1.194	1.503	1.159	1.536	1.296	1.067	0.315
	0.473	1.146	-0.002	0.636	-0.580	-0.046	-0.893	-1.441	-1.030	-1.600	0.217	-0.334	0.825	0.335	2.598	1.537
16	0.174	0.572	1.303	1.091	1.525	1.197	1.514	1.141	1.319	1.551	1.206	1.538	1.105	1.305	0.590	0.188
	0.174	0.572	1.293	1.092	1.515	1.202	1.503	1.152	1.340	1.551	1.202	1.523	1.103	1.289	0.584	0.186
	0.197	0.086	0.775	-0.106	0.666	-0.442	0.693	-0.925	-1.620	0.047	0.285	0.996	0.182	1.188	0.971	1.264
17		0.317	0.793	1.336	1.298	1.530	1.154	1.572	1.415	1.158	1.529	1.300	1.340	0.793	0.328	
		0.319	0.793	1.325	1.296	1.523	1.159	1.568	1.426	1.163	1.515	1.296	1.326	0.790	0.326	
		-0.528	-0.019	0.840	0.171	0.473	-0.410	0.288	-0.798	-0.446	0.915	0.262	1.056	0.346	0.623	
19		0.125	0.355	0.695	1.343	1.091	1.543	1.351	1.343	1.536	1.092	1.338	0.696	0.345	0.123	
		0.125	0.354	0.693	1.326	1.103	1.536	1.355	1.348	1.527	1.092	1.325	0.693	0.343	0.123	
		-0.086	0.133	0.252	1.298	-1.120	0.471	-0.319	-0.342	0.626	-0.040	0.922	0.358	0.373	0.447	
20				0.344	0.792	1.298	1.299	1.331	1.494	1.313	1.302	0.794	0.355			
				0.343	0.790	1.289	1.296	1.331	1.483	1.316	1.293	0.793	0.354			
				0.255	0.224	0.687	0.197	0.008	0.780	-0.210	0.704	0.043	0.232			
22				0.123	0.327	0.589	1.094	0.926	0.921	1.083	0.571	0.319	0.125			
				0.123	0.326	0.584	1.067	0.920	0.920	1.076	0.572	0.319	0.125			
				0.454	0.472	0.730	2.510	0.628	0.076	0.604	-0.143	-0.019	0.197			
23						0.188	0.320	0.304	0.302	0.278	0.173			PIDAL-3		
						0.186	0.315	0.302	0.302	0.281	0.174			SIMULATE-3		
						1.104	1.482	0.709	0.002	-0.878	-0.400			(P3-S3)/P3*100%		

C3

CYCLE 14 E 11 99.9% POWER - DATE/TIME 03/01/1999 00:00:01

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.85 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.217	0.335	0.326	0.287	0.308	0.205					
						0.218	0.337	0.330	0.299	0.307	0.204					
						-0.126	-0.557	-1.268	-3.913	0.023	0.212					
2				0.149	0.359	0.647	1.126	0.889	0.926	1.119	0.634	0.355	0.148			
				0.149	0.360	0.647	1.126	0.889	0.922	1.099	0.631	0.355	0.148			
				-0.334	-0.180	0.089	-0.053	-0.008	0.380	1.724	0.344	0.217	0.234			
4				0.374	0.870	1.406	1.211	1.410	1.154	1.182	1.398	0.872	0.378			
				0.376	0.868	1.400	1.209	1.409	1.150	1.174	1.388	0.865	0.377			
				-0.568	0.287	0.413	0.168	0.067	0.278	0.728	0.710	0.844	0.307			
5		0.148	0.379	0.695	1.411	1.276	1.529	1.258	1.299	1.551	1.288	1.422	0.705	0.380	0.151	
		0.148	0.377	0.701	1.406	1.272	1.521	1.255	1.294	1.539	1.279	1.406	0.701	0.376	0.149	
		0.540	0.507	-0.861	0.349	0.298	0.562	0.215	0.423	0.815	0.727	1.147	0.552	1.138	1.052	
7		0.357	0.884	1.413	1.132	1.511	1.124	1.308	1.529	1.172	1.534	1.144	1.427	0.888	0.363	
		0.355	0.865	1.406	1.134	1.501	1.124	1.303	1.520	1.175	1.518	1.134	1.406	0.868	0.360	
		0.590	2.186	0.520	-0.178	0.622	-0.065	0.429	0.620	-0.208	1.052	0.794	1.528	2.307	0.933	
8	0.194	0.627	1.392	1.273	1.520	1.143	1.500	1.113	1.104	1.502	1.147	1.519	1.283	1.415	0.647	0.217
	0.204	0.631	1.388	1.279	1.518	1.150	1.492	1.116	1.110	1.499	1.150	1.501	1.272	1.401	0.647	0.218
	-5.521	-0.734	0.257	-0.436	0.132	-0.609	0.503	-0.247	-0.532	0.242	-0.257	1.145	0.871	1.023	0.015	-0.168
10	0.304	1.101	1.166	1.512	1.160	1.500	1.279	1.512	1.241	1.282	1.497	1.121	1.531	1.210	1.131	0.335
	0.307	1.099	1.174	1.539	1.175	1.499	1.281	1.507	1.240	1.281	1.492	1.124	1.521	1.209	1.127	0.337
	-1.177	0.186	-0.619	-1.780	-1.313	0.062	-0.160	0.313	0.037	0.023	0.364	-0.310	0.643	0.057	0.364	-0.424
11	0.297	0.923	1.147	1.285	1.519	1.100	1.239	1.288	1.288	1.512	1.101	1.304	1.257	1.414	0.891	0.329
	0.299	0.922	1.151	1.294	1.520	1.110	1.240	1.288	1.288	1.507	1.116	1.303	1.255	1.409	0.889	0.330
	-0.673	0.115	-0.320	-0.680	-0.056	-0.867	-0.065	-0.001	-0.037	0.282	-1.291	0.090	0.163	0.331	0.170	-0.462
13	0.330	0.895	1.414	1.254	1.305	1.109	1.512	1.288	1.285	1.240	1.102	1.527	1.296	1.148	0.926	0.298
	0.330	0.889	1.409	1.255	1.303	1.116	1.507	1.288	1.288	1.240	1.110	1.520	1.294	1.151	0.922	0.299
	-0.245	0.658	0.358	-0.065	0.211	-0.550	0.325	-0.002	-0.236	-0.005	-0.717	0.449	0.211	-0.230	0.438	-0.225
14	0.335	1.131	1.211	1.527	1.120	1.501	1.285	1.242	1.512	1.285	1.509	1.172	1.549	1.179	1.115	0.309
	0.337	1.127	1.209	1.521	1.124	1.492	1.281	1.240	1.507	1.281	1.499	1.175	1.539	1.174	1.099	0.307
	-0.401	0.376	0.168	0.425	-0.380	0.576	0.251	0.128	0.306	0.262	0.646	-0.213	0.661	0.483	1.367	0.411
16	0.216	0.642	1.404	1.276	1.513	1.148	1.510	1.105	1.109	1.502	1.151	1.533	1.286	1.398	0.633	0.205
	0.218	0.647	1.401	1.272	1.501	1.150	1.499	1.110	1.116	1.492	1.150	1.518	1.279	1.388	0.631	0.204
	-0.632	-0.730	0.235	0.274	0.756	-0.202	0.770	-0.410	-0.598	0.666	0.036	0.971	0.563	0.694	0.174	0.241
17		0.352	0.868	1.413	1.136	1.532	1.174	1.530	1.308	1.122	1.516	1.139	1.416	0.870	0.354	
		0.360	0.868	1.406	1.134	1.518	1.175	1.520	1.303	1.124	1.501	1.134	1.406	0.865	0.355	
		-2.438	0.044	0.497	0.141	0.908	-0.076	0.705	0.375	-0.196	0.950	0.429	0.735	0.580	-0.070	
19		0.147	0.374	0.699	1.415	1.286	1.553	1.301	1.259	1.530	1.278	1.415	0.698	0.376	0.146	
		0.149	0.376	0.701	1.406	1.279	1.539	1.294	1.255	1.521	1.272	1.406	0.701	0.377	0.148	
		-1.452	-0.574	-0.292	0.635	0.583	0.901	0.553	0.300	0.627	0.474	0.665	-0.548	-0.337	-0.877	
20				0.376	0.870	1.401	1.184	1.158	1.418	1.213	1.406	0.871	0.375			
				0.377	0.865	1.388	1.174	1.151	1.409	1.209	1.401	0.868	0.376			
				-0.324	0.648	0.910	0.904	0.630	0.644	0.279	0.420	0.406	-0.393			
22				0.147	0.355	0.635	1.120	0.931	0.892	1.127	0.643	0.359	0.149			
				0.148	0.355	0.631	1.099	0.922	0.889	1.127	0.647	0.360	0.149			
				-0.098	0.160	0.502	1.836	0.934	0.283	0.013	-0.596	-0.388	-0.382			
23						0.206	0.310	0.299	0.327	0.326	0.214			PIDAL-3		
						0.204	0.307	0.299	0.330	0.337	0.218			SIMULATE-3		
						0.628	0.884	0.106	-0.913	-3.346	-1.516			(P3-S3)/P3*100%		

Table 4.1 Calculated vs. Measured Incore Detectors

Standard Deviations for Outer Detector Strings		
Cycle	CASMO-3	CASMO-4
4	0.0227	0.0170
5	0.0206	0.0151
6	0.0245	0.0163
7	0.0217	0.0140
8	0.0514	0.0721
9	0.0270	0.0140
10	0.0157	0.0138
11	0.0189	0.0196
12	0.0191	0.0116
13	0.0296	0.0286
14	0.0194	0.0196

Detectors 1 2 6 13 34 40 41 42 45

C4

CYCLE 4 E 10 98.5% POWER - DATE/TIME 01/31/1981 00:06:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.40 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.718	0.905	0.906	0.914	0.907	0.712					
						0.701	0.889	0.892	0.893	0.890	0.702					
						2.458	1.738	1.517	2.323	1.843	1.348					
2				0.678	1.035	1.162	1.070	0.931	0.936	1.075	1.139	1.024	0.675			
				0.664	1.011	1.127	1.053	0.925	0.925	1.054	1.128	1.011	0.664			
				2.151	2.362	2.955	1.556	0.623	1.118	1.890	0.915	1.213	1.682			
4				1.083	1.071	0.885	0.903	1.096	1.109	0.904	0.871	1.065	1.085			
				1.062	1.053	0.874	0.902	1.112	1.113	0.903	0.874	1.053	1.062			
				1.978	1.680	1.353	0.124	-1.509	-0.313	0.206	-0.259	1.088	2.173			
5		0.670	1.074	1.267	0.917	1.252	0.931	1.093	1.097	0.933	1.248	0.919	1.282	1.081	0.672	
		0.664	1.062	1.240	0.907	1.252	0.938	1.106	1.106	0.939	1.253	0.908	1.240	1.062	0.664	
		0.983	1.167	2.147	1.076	-0.051	-0.711	-1.122	-0.856	-0.653	-0.402	1.172	3.318	1.845	1.218	
7		1.020	1.055	0.914	0.909	1.198	1.190	0.901	0.902	1.195	1.197	0.909	0.918	1.058	1.017	
		1.011	1.053	0.908	0.910	1.206	1.213	0.914	0.915	1.214	1.207	0.910	0.907	1.053	1.011	
		0.824	0.102	0.710	-0.167	-0.688	-1.947	-1.474	-1.434	-1.592	-0.822	-0.142	1.161	0.451	0.619	
8	0.728	1.143	0.879	1.252	1.204	1.157	1.062	0.917	0.913	1.043	1.151	1.204	1.254	0.879	1.130	0.701
	0.702	1.128	0.874	1.253	1.207	1.167	1.076	0.930	0.931	1.079	1.167	1.206	1.252	0.874	1.127	0.701
	3.574	1.258	0.610	-0.035	-0.292	-0.833	-1.387	-1.354	-2.003	-3.513	-1.323	-0.189	0.136	0.570	0.209	0.100
10	0.907	1.067	0.908	0.938	1.209	1.070	0.919	1.096	1.096	0.913	1.067	1.209	0.938	0.912	1.056	0.888
	0.890	1.054	0.903	0.939	1.214	1.079	0.929	1.111	1.114	0.929	1.076	1.213	0.938	0.902	1.053	0.889
	1.838	1.227	0.584	-0.130	-0.426	-0.872	-1.142	-1.391	-1.617	-1.791	-0.849	-0.361	-0.002	1.120	0.233	-0.111
11	0.905	0.935	1.119	1.106	0.911	0.921	1.096	0.883	0.884	1.097	0.932	0.910	1.096	1.100	0.919	0.887
	0.893	0.925	1.113	1.106	0.915	0.931	1.114	0.896	0.896	1.111	0.930	0.914	1.106	1.112	0.925	0.892
	1.296	1.088	0.571	0.040	-0.448	-1.084	-1.584	-1.513	-1.361	-1.310	0.288	-0.526	-0.878	-1.119	-0.687	-0.569
13	0.902	0.937	1.119	1.106	0.910	0.917	1.084	0.881	0.888	1.102	0.923	0.905	1.087	1.073	0.913	0.886
	0.892	0.925	1.112	1.106	0.914	0.930	1.111	0.896	0.896	1.114	0.931	0.915	1.106	1.113	0.925	0.893
	1.098	1.235	0.568	0.028	-0.541	-1.410	-2.485	-1.682	-0.924	-1.056	-0.857	-1.129	-1.770	-3.725	-1.389	-0.810
14	0.897	1.063	0.906	0.936	1.204	1.059	0.907	1.096	1.102	0.919	1.064	1.199	0.928	0.891	1.052	0.887
	0.889	1.053	0.902	0.938	1.213	1.076	0.929	1.114	1.111	0.929	1.079	1.214	0.939	0.903	1.054	0.890
	0.877	0.883	0.438	-0.172	-0.802	-1.631	-2.430	-1.623	-0.820	-1.144	-1.437	-1.271	-1.223	-1.354	-0.181	-0.351
16	0.706	1.134	0.877	1.248	1.196	1.145	1.037	0.915	0.934	1.064	1.142	1.191	1.243	0.874	1.133	0.703
	0.701	1.127	0.874	1.252	1.206	1.167	1.079	0.931	0.930	1.076	1.167	1.207	1.253	0.874	1.128	0.702
	0.766	0.621	0.425	-0.383	-0.833	-1.844	-4.137	-1.777	0.432	-1.137	-2.184	-1.342	-0.770	0.080	0.425	0.114
17		1.022	1.059	0.909	0.904	1.196	1.193	0.901	0.902	1.199	1.192	0.896	0.912	1.068	1.033	
		1.011	1.053	0.907	0.910	1.207	1.214	0.915	0.914	1.213	1.206	0.910	0.908	1.053	1.011	
		1.121	0.548	0.161	-0.650	-0.898	-1.823	-1.582	-1.330	-1.160	-1.218	-1.557	0.504	1.388	2.115	
19		0.669	1.068	1.247	0.911	1.258	0.932	1.090	1.075	0.929	1.247	0.913	1.266	1.091	0.704	
		0.664	1.062	1.240	0.908	1.253	0.939	1.106	1.106	0.938	1.252	0.907	1.240	1.062	0.664	
		0.830	0.606	0.546	0.408	0.384	-0.737	-1.457	-2.852	-1.031	-0.466	0.578	2.081	2.679	5.675	
20				1.075	1.060	0.877	0.900	1.106	1.104	0.904	0.883	1.068	1.081			
				1.062	1.053	0.874	0.903	1.113	1.112	0.902	0.874	1.053	1.062			
				1.233	0.602	0.371	-0.256	-0.626	-0.768	0.180	1.045	1.347	1.778			
22				0.670	1.017	1.129	1.055	0.926	0.929	1.070	1.157	1.032	0.677			
				0.664	1.011	1.128	1.054	0.925	0.925	1.053	1.127	1.011	0.664			
				0.868	0.522	0.104	0.062	0.057	0.459	1.548	2.542	2.030	1.881			
23						0.703	0.891	0.896	0.902	0.911	0.718			PIDAL-3		
						0.702	0.890	0.893	0.892	0.889	0.701			SIMULATE-3		
						0.149	0.135	0.356	1.015	2.345	2.492			(P3-S3)/P3*100%		

C4

CYCLE 5 E 16 98.9% POWER - DATE/TIME 01/31/1983 16:06:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.85 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.719	0.887	0.848	0.855	0.880	0.712					
						0.712	0.878	0.837	0.837	0.879	0.714					
						0.895	1.016	1.331	2.110	0.118	-0.339					
2				0.642	1.005	1.221	1.155	0.877	0.873	1.133	1.203	0.999	0.640			
				0.643	1.002	1.210	1.144	0.868	0.868	1.144	1.211	1.003	0.643			
				-0.188	0.279	0.887	0.957	1.015	0.582	-1.020	-0.607	-0.437	-0.484			
4				1.025	1.158	0.938	0.870	1.123	1.118	0.862	0.932	1.155	1.026			
				1.031	1.159	0.933	0.863	1.112	1.112	0.862	0.933	1.158	1.031			
				-0.657	-0.066	0.493	0.778	0.976	0.551	-0.060	-0.097	-0.268	-0.484			
5		0.643	1.031	1.234	0.933	1.149	0.919	1.125	1.123	0.916	1.147	0.934	1.244	1.028	0.640	
		0.643	1.031	1.252	0.936	1.147	0.914	1.117	1.117	0.913	1.146	0.935	1.252	1.031	0.643	
		0.060	-0.020	-1.426	-0.382	0.148	0.527	0.759	0.586	0.269	0.058	-0.145	-0.652	-0.327	-0.373	
7		1.005	1.176	0.932	1.054	0.957	1.200	0.945	0.943	1.199	0.958	1.059	0.935	1.159	0.998	
		1.003	1.158	0.935	1.059	0.957	1.196	0.937	0.937	1.196	0.956	1.059	0.936	1.159	1.002	
		0.181	1.466	-0.369	-0.501	-0.045	0.332	0.836	0.631	0.232	0.207	0.041	-0.175	0.069	-0.405	
8	0.718	1.198	0.927	1.131	0.947	1.049	0.937	1.147	1.139	0.944	1.057	0.956	1.142	0.926	1.200	0.706
	0.714	1.211	0.933	1.146	0.956	1.055	0.938	1.131	1.131	0.938	1.055	0.957	1.147	0.933	1.210	0.712
	0.523	-1.030	-0.600	-1.364	-0.999	-0.549	-0.079	1.373	0.709	0.650	0.178	-0.095	-0.405	-0.710	-0.859	-0.901
10	0.865	1.110	0.845	0.882	1.175	0.927	0.854	1.134	1.136	0.873	0.937	1.191	0.907	0.844	1.133	0.871
	0.879	1.144	0.862	0.913	1.196	0.938	0.874	1.135	1.135	0.874	0.938	1.196	0.914	0.863	1.144	0.878
	-1.589	-3.072	-2.104	-3.588	-1.791	-1.100	-2.284	-0.163	0.041	-0.124	-0.061	-0.436	-0.701	-2.288	-1.009	-0.832
11	0.826	0.855	1.097	1.101	0.930	1.127	1.128	1.159	1.160	1.122	1.131	0.935	1.114	1.108	0.865	0.834
	0.837	0.868	1.112	1.117	0.937	1.131	1.135	1.161	1.161	1.135	1.131	0.937	1.117	1.112	0.868	0.837
	-1.294	-1.526	-1.355	-1.424	-0.748	-0.289	-0.633	-0.144	-0.094	-1.181	-0.020	-0.177	-0.238	-0.386	-0.341	-0.412
13	0.832	0.866	1.106	1.112	0.942	1.142	1.135	1.165	1.171	1.126	1.126	0.935	1.119	1.122	0.871	0.838
	0.837	0.868	1.112	1.117	0.937	1.131	1.135	1.161	1.161	1.135	1.131	0.937	1.117	1.112	0.868	0.837
	-0.630	-0.171	-0.576	-0.423	0.528	0.968	-0.021	0.324	0.902	-0.784	-0.456	-0.228	0.149	0.858	0.408	0.087
14	0.875	1.143	0.861	0.913	1.197	0.944	0.882	1.142	1.137	0.851	0.929	1.189	0.914	0.867	1.151	0.882
	0.878	1.144	0.863	0.914	1.196	0.938	0.874	1.135	1.135	0.874	0.938	1.196	0.913	0.862	1.144	0.879
	-0.334	-0.123	-0.191	-0.112	0.055	0.705	0.889	0.586	0.131	-2.740	-0.968	-0.600	0.032	0.541	0.622	0.354
16	0.711	1.210	0.933	1.146	0.956	1.063	0.960	1.145	1.144	0.934	1.047	0.952	1.146	0.936	1.216	0.717
	0.712	1.210	0.933	1.147	0.957	1.055	0.938	1.131	1.131	0.938	1.055	0.956	1.146	0.933	1.211	0.714
	-0.189	-0.004	0.052	-0.090	-0.113	0.781	2.291	1.273	1.200	-0.396	-0.789	-0.432	0.005	0.385	0.443	0.373
17		1.009	1.161	0.934	1.043	0.958	1.206	0.947	0.945	1.195	0.954	1.052	0.936	1.163	1.010	
		1.002	1.159	0.936	1.059	0.956	1.196	0.937	0.937	1.196	0.957	1.059	0.935	1.158	1.003	
		0.616	0.185	-0.212	-1.579	0.225	0.871	1.023	0.790	-0.090	-0.313	-0.669	0.052	0.445	0.721	
19		0.645	1.033	1.253	0.929	1.150	0.921	1.127	1.127	0.917	1.146	0.935	1.253	1.037	0.654	
		0.643	1.031	1.252	0.935	1.146	0.913	1.117	1.117	0.914	1.147	0.936	1.252	1.031	0.643	
		0.403	0.195	0.125	-0.708	0.355	0.781	0.897	0.871	0.311	-0.057	-0.116	0.064	0.537	1.646	
20				1.047	1.165	0.938	0.869	1.121	1.121	0.866	0.932	1.156	1.030			
				1.031	1.158	0.933	0.862	1.112	1.112	0.863	0.933	1.159	1.031			
				1.508	0.574	0.600	0.793	0.833	0.770	0.424	-0.130	-0.197	-0.119			
22				0.650	1.010	1.217	1.153	0.875	0.876	1.151	1.201	0.998	0.641			
				0.643	1.003	1.211	1.144	0.868	0.868	1.144	1.210	1.002	0.643			
				1.080	0.668	0.519	0.739	0.890	0.902	0.572	-0.783	-0.465	-0.292			
23						0.718	0.885	0.845	0.848	0.896	0.715			PIDAL-3		
						0.714	0.879	0.837	0.837	0.878	0.712			SIMULATE-3		
						0.549	0.686	0.888	1.239	2.040	0.372			(P3-S3)/P3*100%		

C4

CYCLE 6 E 11 97.0% POWER - DATE/TIME 05/31/1985 08:06:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.71 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.710	0.897	0.912	0.921	0.898	0.707					
						0.705	0.889	0.900	0.901	0.889	0.706					
						0.734	0.937	1.309	2.264	0.972	0.251					
2				0.635	1.000	1.196	1.085	1.041	1.042	1.082	1.187	0.994	0.631			
				0.631	0.995	1.188	1.076	1.032	1.032	1.077	1.189	0.995	0.631			
				0.587	0.566	0.642	0.811	0.871	0.918	0.423	-0.207	-0.171	0.003			
4				1.015	1.095	0.951	0.917	1.086	1.083	0.912	0.937	1.088	1.011			
				1.008	1.090	0.946	0.912	1.079	1.079	0.912	0.946	1.090	1.008			
				0.662	0.502	0.491	0.570	0.612	0.416	-0.026	-0.935	-0.203	0.254			
5		0.635	1.015	1.213	0.938	1.153	1.004	1.151	1.149	0.999	1.146	0.934	1.213	1.010	0.630	
		0.631	1.008	1.203	0.936	1.152	1.002	1.149	1.149	1.002	1.152	0.936	1.203	1.008	0.631	
		0.632	0.660	0.850	0.186	0.143	0.186	0.212	0.057	-0.254	-0.502	-0.195	0.833	0.214	-0.153	
7		1.002	1.096	0.937	0.828	0.971	1.303	0.951	0.950	1.297	0.967	0.828	0.934	1.087	0.990	
		0.995	1.090	0.936	0.840	0.974	1.304	0.952	0.952	1.304	0.974	0.840	0.936	1.090	0.995	
		0.667	0.513	0.103	-1.462	-0.342	-0.101	-0.126	-0.270	-0.529	-0.715	-1.439	-0.233	-0.277	-0.451	
8	0.723	1.199	0.950	1.150	0.968	1.033	0.943	1.163	1.162	0.941	1.030	0.966	1.145	0.939	1.180	0.699
	0.706	1.189	0.946	1.152	0.974	1.038	0.948	1.168	1.167	0.947	1.038	0.974	1.152	0.946	1.188	0.705
	2.427	0.853	0.429	-0.127	-0.565	-0.484	-0.442	-0.402	-0.421	-0.622	-0.712	-0.822	-0.612	-0.692	-0.735	-0.789
10	0.899	1.084	0.914	0.997	1.296	0.942	0.855	1.074	1.074	0.859	0.941	1.294	0.994	0.900	1.068	0.882
	0.889	1.077	0.912	1.002	1.304	0.947	0.864	1.079	1.079	0.864	0.948	1.304	1.002	0.912	1.076	0.889
	1.076	0.671	0.225	-0.481	-0.599	-0.537	-1.075	-0.541	-0.478	-0.563	-0.664	-0.792	-0.795	-1.312	-0.782	-0.748
11	0.906	1.036	1.080	1.146	0.949	1.165	1.076	0.819	0.818	1.075	1.161	0.946	1.142	1.072	1.026	0.895
	0.901	1.032	1.079	1.149	0.952	1.167	1.079	0.822	0.822	1.079	1.168	0.952	1.149	1.079	1.032	0.900
	0.579	0.406	0.132	-0.204	-0.396	-0.205	-0.264	-0.382	-0.482	-0.438	-0.567	-0.649	-0.581	-0.617	-0.618	-0.620
13	0.903	1.036	1.080	1.147	0.947	1.170	1.083	0.821	0.817	1.071	1.159	0.947	1.144	1.078	1.029	0.897
	0.900	1.032	1.079	1.149	0.952	1.168	1.079	0.822	0.822	1.079	1.167	0.952	1.149	1.079	1.032	0.901
	0.323	0.370	0.087	-0.212	-0.612	0.219	0.340	-0.168	-0.557	-0.777	-0.682	-0.613	-0.383	-0.131	-0.345	-0.400
14	0.890	1.078	0.912	1.000	1.298	0.947	0.865	1.077	1.073	0.850	0.939	1.295	0.999	0.912	1.075	0.887
	0.889	1.076	0.912	1.002	1.304	0.948	0.864	1.079	1.079	0.864	0.947	1.304	1.002	0.912	1.077	0.889
	0.119	0.142	0.010	-0.242	-0.436	-0.057	0.133	-0.169	-0.636	-1.627	-0.876	-0.715	-0.325	-0.041	-0.149	-0.206
16	0.704	1.187	0.945	1.148	0.970	1.036	0.952	1.167	1.162	0.941	1.030	0.967	1.150	0.950	1.194	0.706
	0.705	1.188	0.946	1.152	0.974	1.038	0.947	1.167	1.168	0.948	1.038	0.974	1.152	0.946	1.189	0.706
	-0.078	-0.140	-0.128	-0.291	-0.501	-0.134	0.460	-0.033	-0.489	-0.721	-0.759	-0.695	-0.120	0.365	0.388	0.086
17		0.993	1.088	0.933	0.827	0.970	1.304	0.953	0.952	1.300	0.969	0.827	0.938	1.101	1.011	
		0.995	1.090	0.936	0.840	0.974	1.304	0.952	0.952	1.304	0.974	0.840	0.936	1.090	0.995	
		-0.196	-0.168	-0.364	-1.571	-0.379	-0.019	0.081	-0.017	-0.335	-0.545	-1.588	0.141	0.995	1.544	
19		0.630	1.007	1.203	0.932	1.148	1.003	1.153	1.158	1.004	1.152	0.937	1.211	1.025	0.662	
		0.631	1.008	1.203	0.936	1.152	1.002	1.149	1.149	1.002	1.152	0.936	1.203	1.008	0.631	
		-0.178	-0.089	0.026	-0.487	-0.295	0.124	0.397	0.759	0.202	0.009	0.010	0.666	1.648	4.582	
20				1.022	1.095	0.949	0.916	1.084	1.085	0.916	0.949	1.093	1.013			
				1.008	1.090	0.946	0.912	1.079	1.079	0.912	0.946	1.090	1.008			
				1.337	0.465	0.261	0.401	0.492	0.589	0.464	0.291	0.295	0.466			
22				0.637	1.000	1.193	1.083	1.037	1.037	1.083	1.192	0.998	0.633			
				0.631	0.995	1.189	1.077	1.032	1.032	1.076	1.188	0.995	0.631			
				0.881	0.483	0.316	0.564	0.496	0.543	0.595	0.330	0.314	0.363			
23						0.708	0.893	0.905	0.906	0.896	0.708			PIDAL-3		
						0.706	0.889	0.901	0.900	0.889	0.705			SIMULATE-3		
						0.322	0.436	0.491	0.590	0.858	0.521			(P3-S3)/P3*100%		

C4

CYCLE 7 E 16 100.0% POWER - DATE/TIME 12/03/1987 18:02:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.47 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.675	0.858	0.874	0.887	0.863	0.676					
						0.673	0.853	0.864	0.865	0.854	0.673					
						0.390	0.522	1.104	2.566	1.102	0.391					
2				0.607	0.959	1.164	1.080	1.027	1.032	1.082	1.160	0.955	0.604			
				0.607	0.959	1.160	1.078	1.024	1.024	1.078	1.161	0.959	0.607			
				-0.107	-0.025	0.315	0.203	0.344	0.740	0.380	-0.079	-0.420	-0.612			
4				0.990	1.105	0.960	1.108	0.901	0.905	1.111	0.960	1.101	0.985			
				0.992	1.108	0.963	1.112	0.907	0.907	1.112	0.962	1.108	0.992			
				-0.163	-0.301	-0.272	-0.411	-0.658	-0.158	-0.160	-0.268	-0.659	-0.737			
5		0.608	0.991	1.208	0.947	1.169	0.985	1.102	1.104	0.988	1.169	0.942	1.198	0.987	0.604	
		0.607	0.992	1.208	0.955	1.180	0.995	1.112	1.112	0.995	1.180	0.955	1.208	0.992	0.607	
		0.162	-0.054	-0.003	-0.883	-0.971	-1.022	-0.906	-0.716	-0.707	-0.953	-1.372	-0.859	-0.516	-0.470	
7		0.963	1.106	0.949	0.835	0.974	1.280	0.933	0.935	1.289	0.976	0.828	0.944	1.107	0.955	
		0.959	1.108	0.955	0.860	0.991	1.303	0.945	0.945	1.303	0.991	0.860	0.955	1.108	0.959	
		0.441	-0.194	-0.624	-3.022	-1.712	-1.829	-1.277	-1.035	-1.082	-1.561	-3.815	-1.182	-0.111	-0.379	
8	0.695	1.175	0.967	1.178	0.979	1.055	0.963	1.140	1.141	0.972	1.059	0.984	1.171	0.958	1.154	0.669
	0.673	1.161	0.962	1.180	0.991	1.071	0.979	1.153	1.153	0.979	1.071	0.991	1.180	0.963	1.160	0.673
	3.142	1.215	0.497	-0.132	-1.163	-1.492	-1.659	-1.205	-1.089	-0.730	-1.085	-0.760	-0.778	-0.441	-0.554	-0.530
10	0.871	1.096	1.123	1.002	1.295	0.966	0.883	1.127	1.130	0.894	0.967	1.290	0.988	1.106	1.073	0.849
	0.854	1.078	1.112	0.995	1.303	0.979	0.904	1.145	1.145	0.904	0.979	1.303	0.995	1.112	1.078	0.853
	1.922	1.658	0.946	0.679	-0.678	-1.382	-2.373	-1.604	-1.361	-1.103	-1.257	-1.072	-0.792	-0.553	-0.441	-0.444
11	0.877	1.036	0.914	1.115	0.939	1.138	1.126	0.819	0.819	1.134	1.133	0.933	1.103	0.901	1.020	0.862
	0.865	1.024	0.907	1.112	0.945	1.153	1.145	0.833	0.833	1.145	1.153	0.945	1.112	0.907	1.024	0.864
	1.380	1.177	0.802	0.253	-0.590	-1.380	-1.740	-1.728	-1.704	-1.041	-1.820	-1.238	-0.844	-0.584	-0.335	-0.277
13	0.874	1.032	0.913	1.114	0.940	1.134	1.127	0.818	0.809	1.126	1.136	0.934	1.103	0.900	1.023	0.865
	0.864	1.024	0.907	1.112	0.945	1.153	1.145	0.833	0.833	1.145	1.153	0.945	1.112	0.907	1.024	0.865
	1.138	0.820	0.679	0.137	-0.507	-1.708	-1.632	-1.920	-3.040	-1.686	-1.508	-1.166	-0.802	-0.736	-0.050	0.016
14	0.865	1.092	1.122	0.996	1.294	0.969	0.893	1.128	1.124	0.890	0.967	1.289	0.991	1.113	1.086	0.858
	0.853	1.078	1.112	0.995	1.303	0.979	0.904	1.145	1.145	0.904	0.979	1.303	0.995	1.112	1.078	0.854
	1.328	1.315	0.856	0.092	-0.721	-1.107	-1.197	-1.512	-1.956	-1.536	-1.315	-1.096	-0.465	0.077	0.730	0.448
16	0.684	1.185	0.975	1.181	0.981	1.060	0.975	1.141	1.131	0.969	1.058	0.979	1.178	0.968	1.171	0.678
	0.673	1.160	0.963	1.180	0.991	1.071	0.979	1.153	1.153	0.979	1.071	0.991	1.180	0.962	1.161	0.673
	1.726	2.048	1.255	0.079	-1.049	-0.997	-0.427	-1.039	-2.005	-1.082	-1.247	-1.188	-0.123	0.598	0.905	0.668
17		1.001	1.128	0.955	0.832	0.978	1.297	0.945	0.948	1.304	0.986	0.836	0.960	1.125	0.978	
		0.959	1.108	0.955	0.860	0.991	1.303	0.945	0.945	1.303	0.991	0.860	0.955	1.108	0.959	
		4.247	1.785	-0.010	-3.385	-1.354	-0.489	0.010	0.342	0.047	-0.493	-2.798	0.511	1.448	1.938	
19		0.625	1.006	1.213	0.944	1.165	0.997	1.128	1.150	1.012	1.193	0.964	1.238	1.018	0.637	
		0.607	0.992	1.208	0.955	1.180	0.995	1.112	1.112	0.995	1.180	0.955	1.208	0.992	0.607	
		2.814	1.417	0.413	-1.120	-1.240	0.144	1.366	3.275	1.671	1.101	0.981	2.366	2.519	4.741	
20				1.008	1.113	0.965	1.123	0.923	0.931	1.139	0.984	1.131	1.014			
				0.992	1.108	0.962	1.112	0.907	0.907	1.112	0.963	1.108	0.992			
				1.633	0.423	0.240	0.907	1.705	2.569	2.387	2.180	2.001	2.196			
22				0.614	0.966	1.170	1.094	1.045	1.051	1.111	1.197	0.983	0.622			
				0.607	0.959	1.161	1.078	1.024	1.024	1.078	1.160	0.959	0.607			
				1.152	0.705	0.769	1.475	1.983	2.628	3.033	3.030	2.477	2.312			
23						0.681	0.867	0.884	0.891	0.891	0.697			PIDAL-3		
						0.673	0.854	0.865	0.864	0.853	0.673			SIMULATE-3		
						1.064	1.554	2.138	2.948	4.185	3.502			(P3-S3)/P3*100%		

C4

CYCLE 8 E 11 77.3% POWER - DATE/TIME 09/30/1989 13:32:00

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 2.02 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.614	0.719	0.249	0.293	0.746	0.628					
						0.614	0.720	0.244	0.243	0.716	0.613					
						-0.012	-0.101	2.209	16.960	4.023	2.401					
2				0.163	0.586	1.109	1.152	1.102	1.125	1.177	1.123	0.593	0.164			
				0.164	0.589	1.108	1.157	1.106	1.105	1.156	1.107	0.588	0.163			
				-0.589	-0.374	0.102	-0.454	-0.376	1.730	1.838	1.402	0.847	0.398			
4				0.936	1.250	1.009	1.181	1.148	1.179	1.207	1.027	1.266	0.944			
				0.945	1.261	1.017	1.199	1.182	1.182	1.199	1.017	1.261	0.945			
				-0.985	-0.881	-0.843	-1.444	-2.945	-0.250	0.697	0.953	0.344	-0.042			
5		0.162	0.935	1.275	1.065	1.322	1.029	1.199	1.211	1.047	1.343	1.075	1.284	0.940	0.163	
		0.163	0.945	1.290	1.076	1.340	1.046	1.217	1.217	1.046	1.341	1.077	1.290	0.945	0.164	
		-0.538	-1.052	-1.134	-1.033	-1.300	-1.595	-1.515	-0.491	0.097	0.130	-0.169	-0.469	-0.612	-0.706	
7		0.588	1.249	1.068	1.150	1.031	1.291	1.003	1.012	1.321	1.047	1.151	1.069	1.252	0.583	
		0.588	1.261	1.077	1.162	1.045	1.319	1.015	1.015	1.320	1.047	1.162	1.076	1.261	0.589	
		-0.020	-1.021	-0.812	-1.074	-1.278	-2.161	-1.117	-0.266	0.076	0.001	-0.997	-0.639	-0.749	-1.004	
8	0.636	1.119	1.019	1.337	1.041	1.118	0.993	1.193	1.200	1.014	1.133	1.052	1.332	1.006	1.093	0.605
	0.613	1.107	1.017	1.341	1.047	1.128	1.004	1.198	1.198	1.005	1.128	1.045	1.340	1.017	1.108	0.614
	3.643	1.097	0.124	-0.344	-0.523	-0.835	-1.106	-0.402	0.186	0.879	0.504	0.675	-0.558	-1.131	-1.357	-1.426
10	0.731	1.172	1.207	1.048	1.317	1.000	1.103	1.141	1.148	1.124	1.008	1.318	1.037	1.174	1.141	0.709
	0.716	1.156	1.199	1.046	1.320	1.005	1.113	1.142	1.142	1.113	1.004	1.319	1.046	1.199	1.157	0.720
	2.058	1.413	0.737	0.218	-0.212	-0.435	-0.934	-0.118	0.488	0.994	0.472	-0.041	-0.813	-2.121	-1.404	-1.445
11	0.247	1.121	1.193	1.225	1.017	1.199	1.144	0.903	0.909	1.167	1.204	1.014	1.209	1.168	1.097	0.242
	0.243	1.105	1.182	1.217	1.015	1.198	1.142	0.900	0.900	1.142	1.198	1.015	1.217	1.182	1.106	0.244
	1.707	1.385	0.937	0.581	0.250	0.082	0.139	0.370	0.989	2.100	0.480	-0.094	-0.679	-1.207	-0.861	-0.836
13	0.248	1.125	1.194	1.226	1.021	1.201	1.154	0.906	0.908	1.148	1.200	1.012	1.210	1.168	1.106	0.244
	0.244	1.106	1.182	1.217	1.015	1.198	1.142	0.900	0.900	1.142	1.198	1.015	1.217	1.182	1.105	0.243
	1.636	1.686	1.073	0.719	0.609	0.225	1.018	0.680	0.828	0.507	0.123	-0.278	-0.620	-1.141	0.022	0.461
14	0.729	1.174	1.211	1.051	1.320	1.005	1.119	1.148	1.146	1.101	1.000	1.313	1.042	1.200	1.177	0.726
	0.720	1.157	1.199	1.046	1.319	1.004	1.113	1.142	1.142	1.113	1.005	1.320	1.046	1.199	1.156	0.716
	1.294	1.398	1.014	0.490	0.131	0.162	0.538	0.481	0.300	-1.053	-0.452	-0.543	-0.413	0.159	1.838	1.386
16	0.622	1.123	1.027	1.342	1.041	1.124	1.010	1.203	1.209	1.000	1.122	1.041	1.333	1.019	1.119	0.620
	0.614	1.108	1.017	1.340	1.045	1.128	1.005	1.198	1.198	1.004	1.128	1.047	1.341	1.017	1.107	0.613
	1.317	1.390	0.909	0.166	-0.386	-0.286	0.497	0.427	0.889	-0.327	-0.474	-0.599	-0.603	0.154	1.093	1.162
17		0.606	1.274	1.076	1.139	1.032	1.312	1.011	1.010	1.308	1.036	1.150	1.065	1.260	0.599	
		0.589	1.261	1.076	1.162	1.047	1.320	1.015	1.015	1.319	1.045	1.162	1.077	1.261	0.588	
		2.920	0.963	0.045	-2.071	-1.389	-0.660	-0.343	-0.495	-0.773	-0.789	-1.093	-1.137	-0.082	1.735	
19		0.167	0.954	1.298	1.085	1.306	1.036	1.208	1.195	1.035	1.325	1.059	1.251	0.942	0.196	
		0.164	0.945	1.290	1.077	1.341	1.046	1.217	1.217	1.046	1.340	1.076	1.290	0.945	0.163	
		1.805	0.860	0.641	0.761	-2.726	-0.965	-0.768	-1.847	-1.007	-1.142	-1.614	-3.080	-0.260	16.735	
20				0.959	1.270	1.016	1.204	1.182	1.177	1.195	1.010	1.244	0.925			
				0.945	1.261	1.017	1.199	1.182	1.182	1.199	1.017	1.261	0.945			
				1.479	0.719	-0.128	0.428	0.051	-0.435	-0.326	-0.692	-1.378	-2.188			
22				0.166	0.594	1.119	1.184	1.117	1.111	1.164	1.107	0.584	0.162			
				0.163	0.588	1.107	1.156	1.105	1.106	1.157	1.108	0.589	0.164			
				1.430	0.983	1.099	2.386	1.035	0.471	0.594	-0.046	-0.747	-1.481			
23						0.621	0.730	0.247	0.247	0.741	0.621			PIDAL-3		
						0.613	0.716	0.243	0.244	0.720	0.614			SIMULATE-3		
						1.363	1.880	1.475	1.550	2.919	1.108			(P3-S3)/P3*100%		

CYCLE 9 E 9 99.9% POWER - DATE/TIME 09/30/1991 10:02:00

CH

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.73 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.347	0.441	0.339	0.340	0.441	0.347					
						0.352	0.446	0.343	0.342	0.445	0.350					
						-1.440	-1.063	-0.931	-0.767	-0.986	-0.905					
2				0.166	0.522	1.053	1.184	1.176	1.176	1.184	1.060	0.525	0.166			
				0.167	0.529	1.070	1.197	1.186	1.186	1.197	1.069	0.528	0.167			
				-1.035	-1.306	-1.639	-1.069	-0.892	-0.898	-1.134	-0.893	-0.755	-0.744			
4				0.486	1.114	1.365	1.348	1.242	1.242	1.351	1.375	1.120	0.486			
				0.490	1.127	1.381	1.361	1.250	1.250	1.362	1.383	1.128	0.490			
				-0.755	-1.140	-1.113	-0.978	-0.626	-0.654	-0.846	-0.632	-0.740	-0.674			
5		0.167	0.487	0.779	1.235	1.335	1.084	1.241	1.241	1.087	1.343	1.241	0.777	0.487	0.166	
		0.167	0.490	0.782	1.249	1.349	1.091	1.245	1.246	1.093	1.353	1.251	0.782	0.490	0.167	
		-0.406	-0.486	-0.313	-1.122	-1.042	-0.638	-0.354	-0.402	-0.590	-0.721	-0.737	-0.658	-0.572	-0.616	
7		0.527	1.120	1.240	1.216	1.119	1.334	1.134	1.134	1.339	1.131	1.226	1.241	1.121	0.526	
		0.528	1.128	1.251	1.239	1.128	1.336	1.133	1.135	1.344	1.136	1.239	1.249	1.127	0.529	
		-0.315	-0.713	-0.861	-1.873	-0.768	-0.175	0.074	-0.078	-0.395	-0.473	-1.056	-0.600	-0.589	-0.627	
8	0.349	1.069	1.379	1.345	1.129	1.064	1.043	1.216	1.212	1.046	1.069	1.137	1.345	1.372	1.062	0.349
	0.350	1.069	1.383	1.353	1.136	1.067	1.041	1.206	1.208	1.049	1.067	1.128	1.349	1.381	1.070	0.352
	-0.058	-0.040	-0.311	-0.600	-0.649	-0.305	0.125	0.828	0.337	-0.220	0.155	0.860	-0.330	-0.657	-0.747	-0.686
10	0.447	1.204	1.362	1.092	1.343	1.050	1.226	1.147	1.148	1.233	1.046	1.340	1.087	1.344	1.189	0.443
	0.445	1.197	1.362	1.093	1.344	1.049	1.225	1.140	1.140	1.225	1.041	1.336	1.091	1.361	1.197	0.446
	0.386	0.521	-0.039	-0.120	-0.058	0.163	0.069	0.632	0.716	0.602	0.474	0.285	-0.335	-1.238	-0.715	-0.604
11	0.343	1.188	1.252	1.250	1.142	1.217	1.147	1.027	1.031	1.159	1.216	1.137	1.244	1.244	1.182	0.341
	0.342	1.186	1.250	1.246	1.135	1.208	1.140	1.018	1.018	1.140	1.206	1.133	1.245	1.250	1.186	0.343
	0.078	0.111	0.181	0.323	0.560	0.760	0.599	0.926	1.320	1.620	0.788	0.353	-0.048	-0.461	-0.380	-0.364
13	0.342	1.183	1.252	1.252	1.148	1.226	1.147	1.029	1.038	1.151	1.216	1.139	1.247	1.248	1.188	0.343
	0.343	1.186	1.250	1.245	1.133	1.206	1.140	1.018	1.018	1.140	1.208	1.135	1.246	1.250	1.186	0.342
	-0.164	-0.309	0.181	0.559	1.292	1.581	0.638	1.134	1.954	0.990	0.624	0.322	0.064	-0.165	0.118	0.148
14	0.447	1.199	1.364	1.095	1.345	1.050	1.233	1.151	1.154	1.224	1.052	1.346	1.094	1.365	1.209	0.449
	0.446	1.197	1.361	1.091	1.336	1.041	1.225	1.140	1.140	1.225	1.049	1.344	1.093	1.362	1.197	0.445
	0.189	0.184	0.204	0.400	0.674	0.786	0.581	0.990	1.219	-0.125	0.333	0.166	0.109	0.184	0.955	0.797
16	0.353	1.075	1.386	1.352	1.131	1.069	1.051	1.220	1.232	1.049	1.073	1.138	1.353	1.386	1.075	0.352
	0.352	1.070	1.381	1.349	1.128	1.067	1.049	1.208	1.206	1.041	1.067	1.136	1.353	1.383	1.069	0.350
	0.371	0.426	0.408	0.245	0.271	0.222	0.199	1.001	2.097	0.757	0.549	0.109	0.002	0.229	0.516	0.617
17		0.537	1.133	1.252	1.234	1.133	1.344	1.141	1.144	1.342	1.130	1.233	1.250	1.130	0.531	
		0.529	1.127	1.249	1.239	1.136	1.344	1.135	1.133	1.336	1.128	1.239	1.251	1.128	0.528	
		1.499	0.527	0.282	-0.381	-0.290	0.006	0.548	0.897	0.432	0.183	-0.417	-0.030	0.121	0.457	
19		0.169	0.493	0.788	1.257	1.338	1.091	1.249	1.250	1.092	1.348	1.247	0.781	0.491	0.170	
		0.167	0.490	0.782	1.251	1.353	1.093	1.246	1.245	1.091	1.349	1.249	0.782	0.490	0.167	
		1.128	0.718	0.773	0.523	-1.095	-0.215	0.254	0.409	0.143	-0.120	-0.164	-0.067	0.203	1.432	
20				0.503	1.134	1.382	1.362	1.252	1.251	1.358	1.379	1.125	0.489			
				0.490	1.128	1.383	1.362	1.250	1.250	1.361	1.381	1.127	0.490			
				2.697	0.533	-0.110	-0.032	0.147	0.088	-0.170	-0.131	-0.191	-0.084			
22				0.170	0.531	1.071	1.203	1.188	1.185	1.193	1.066	0.528	0.167			
				0.167	0.528	1.069	1.197	1.186	1.186	1.197	1.070	0.529	0.167			
				1.568	0.519	0.176	0.449	0.138	-0.098	-0.322	-0.350	-0.213	-0.152			
23						0.351	0.447	0.343	0.341	0.437	0.349			PIDAL-3		
						0.350	0.445	0.342	0.343	0.446	0.352			SIMULATE-3		
						0.277	0.403	0.062	-0.504	-1.991	-0.797			(P3-S3)/P3*100%		

CYCLE 10 E 10 99.9% POWER - DATE/TIME 11/30/1992 11:02:00

C4

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.11 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.213	0.351	0.246	0.247	0.353	0.212					
						0.207	0.343	0.242	0.243	0.347	0.208					
						2.949	2.088	1.679	1.424	1.595	1.931					
2				0.171	0.491	1.048	0.947	1.164	1.162	0.950	1.047	0.493	0.172			
				0.168	0.480	1.015	0.928	1.145	1.145	0.935	1.025	0.484	0.169			
				1.845	2.271	3.174	2.047	1.590	1.439	1.599	2.041	1.885	1.591			
4				0.557	1.219	1.180	1.381	1.189	1.169	1.411	1.207	1.231	0.559			
				0.550	1.202	1.161	1.363	1.171	1.154	1.392	1.177	1.210	0.552			
				1.389	1.430	1.651	1.317	1.437	1.288	1.354	2.494	1.685	1.385			
5		0.173	0.562	1.237	1.203	1.474	1.103	1.152	1.419	1.145	1.494	1.207	1.234	0.555	0.170	
		0.169	0.552	1.223	1.191	1.463	1.096	1.143	1.412	1.138	1.480	1.195	1.223	0.550	0.168	
		1.988	1.907	1.111	1.021	0.778	0.695	0.783	0.496	0.656	0.950	1.038	0.934	1.037	0.945	
7		0.494	1.241	1.208	1.410	1.216	1.418	1.117	1.125	1.426	1.218	1.408	1.199	1.215	0.484	
		0.484	1.210	1.195	1.402	1.211	1.423	1.117	1.127	1.434	1.215	1.402	1.191	1.202	0.480	
		2.085	2.480	1.108	0.556	0.411	-0.346	-0.011	-0.175	-0.562	0.235	0.393	0.684	1.051	0.788	
8	0.212	1.040	1.190	1.483	1.217	1.054	1.147	1.424	1.192	1.100	1.048	1.217	1.466	1.165	1.018	0.208
	0.208	1.025	1.177	1.480	1.215	1.055	1.151	1.430	1.203	1.128	1.055	1.211	1.463	1.161	1.015	0.207
	1.708	1.439	1.122	0.196	0.154	-0.092	-0.376	-0.406	-0.970	-2.568	-0.692	0.510	0.193	0.387	0.339	0.330
10	0.352	0.949	1.396	1.127	1.424	1.122	1.375	1.149	1.125	1.365	1.138	1.414	1.094	1.359	0.929	0.344
	0.347	0.935	1.392	1.138	1.434	1.128	1.389	1.158	1.138	1.389	1.151	1.423	1.096	1.363	0.928	0.343
	1.413	1.488	0.274	-0.960	-0.692	-0.602	-1.002	-0.781	-1.116	-1.749	-1.166	-0.594	-0.174	-0.267	0.114	0.124
11	0.246	1.155	1.158	1.403	1.117	1.194	1.126	1.052	1.051	1.140	1.403	1.107	1.139	1.169	1.146	0.242
	0.243	1.145	1.154	1.412	1.127	1.203	1.138	1.062	1.062	1.158	1.430	1.117	1.143	1.171	1.145	0.242
	1.013	0.872	0.284	-0.675	-0.886	-0.771	-1.071	-0.958	-1.042	-1.607	-1.941	-0.936	-0.370	-0.210	0.064	0.165
13	0.244	1.157	1.174	1.137	1.096	1.420	1.138	1.049	1.055	1.121	1.185	1.117	1.403	1.151	1.149	0.245
	0.242	1.145	1.171	1.143	1.117	1.430	1.158	1.062	1.062	1.138	1.203	1.127	1.412	1.154	1.145	0.243
	1.005	1.061	0.244	-0.506	-1.892	-0.724	-1.761	-1.155	-0.643	-1.524	-1.498	-0.945	-0.646	-0.317	0.371	0.556
14	0.346	0.934	1.364	1.092	1.409	1.141	1.369	1.122	1.139	1.357	1.110	1.419	1.133	1.393	0.951	0.352
	0.343	0.928	1.363	1.096	1.423	1.151	1.389	1.138	1.158	1.389	1.128	1.434	1.138	1.392	0.935	0.347
	0.716	0.671	0.076	-0.301	-0.972	-0.845	-1.448	-1.400	-1.678	-2.304	-1.666	-1.011	-0.380	0.102	1.664	1.321
16	0.208	1.021	1.164	1.461	1.209	1.049	1.114	1.186	1.398	1.130	1.033	1.207	1.475	1.180	1.034	0.210
	0.207	1.015	1.161	1.463	1.211	1.055	1.128	1.203	1.430	1.151	1.055	1.215	1.480	1.177	1.025	0.208
	0.728	0.647	0.304	-0.156	-0.209	-0.599	-1.268	-1.460	-2.272	-1.905	-2.174	-0.629	-0.304	0.265	0.844	0.952
17		0.488	1.207	1.194	1.405	1.213	1.423	1.117	1.104	1.405	1.202	1.402	1.197	1.214	0.487	
		0.480	1.202	1.191	1.402	1.215	1.434	1.127	1.117	1.423	1.211	1.402	1.195	1.210	0.484	
		1.553	0.458	0.268	0.168	-0.147	-0.749	-0.877	-1.203	-1.285	-0.780	-0.006	0.162	0.275	0.638	
19		0.170	0.552	1.227	1.195	1.478	1.135	1.405	1.139	1.089	1.454	1.191	1.229	0.554	0.171	
		0.168	0.550	1.223	1.195	1.480	1.138	1.412	1.143	1.096	1.463	1.191	1.223	0.552	0.169	
		1.054	0.534	0.370	-0.030	-0.116	-0.219	-0.516	-0.350	-0.644	-0.616	-0.020	0.490	0.511	1.126	
20				0.561	1.215	1.180	1.393	1.154	1.168	1.355	1.157	1.200	0.551			
				0.552	1.210	1.177	1.392	1.154	1.171	1.363	1.161	1.202	0.550			
				1.628	0.394	0.314	0.071	0.007	-0.266	-0.554	-0.360	-0.165	0.236			
22				0.171	0.487	1.032	0.945	1.147	1.143	0.924	1.011	0.479	0.168			
				0.169	0.484	1.025	0.935	1.145	1.145	0.928	1.015	0.480	0.168			
				1.176	0.642	0.631	1.076	0.195	-0.198	-0.403	-0.393	-0.173	0.091			
23						0.209	0.350	0.244	0.241	0.338	0.206			PIDAL-3		
						0.208	0.347	0.243	0.242	0.343	0.207			SIMULATE-3		
						0.744	0.884	0.272	-0.404	-1.659	-0.642			(P3-S3)/P3*100%		

CYCLE 11 E 10 97.3% POWER - DATE/TIME 10/01/1994 07:02:00

C4

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.08 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.189	0.310	0.225	0.220	0.340	0.209					
						0.190	0.311	0.227	0.225	0.345	0.211					
						-0.359	-0.444	-0.917	-2.069	-1.375	-0.721					
2				0.143	0.391	0.720	0.905	1.271	1.031	1.187	0.758	0.398	0.149			
				0.144	0.392	0.723	0.909	1.281	1.041	1.204	0.762	0.398	0.149			
				-0.323	-0.232	-0.350	-0.395	-0.783	-0.930	-1.423	-0.416	0.178	0.474			
4				0.419	1.195	1.227	1.474	1.333	1.470	1.201	1.178	1.209	0.426			
				0.422	1.199	1.230	1.480	1.341	1.481	1.206	1.175	1.204	0.423			
				-0.533	-0.343	-0.260	-0.445	-0.642	-0.758	-0.416	0.260	0.405	0.732			
5		0.150	0.424	0.874	1.220	1.523	1.150	1.500	0.996	1.267	1.503	1.259	0.893	0.431	0.147	
		0.149	0.423	0.883	1.223	1.525	1.148	1.506	1.000	1.270	1.503	1.252	0.883	0.422	0.144	
		0.652	0.302	-1.033	-0.264	-0.174	0.158	-0.427	-0.413	-0.260	0.038	0.591	1.118	2.152	2.167	
7		0.401	1.217	1.251	1.464	1.053	1.542	1.233	0.976	1.416	1.026	1.476	1.238	1.234	0.401	
		0.398	1.204	1.252	1.464	1.050	1.524	1.234	0.981	1.424	1.027	1.464	1.223	1.199	0.392	
		0.946	1.070	-0.076	-0.020	0.262	1.153	-0.065	-0.449	-0.544	-0.013	0.799	1.220	2.810	2.100	
8	0.212	0.765	1.176	1.493	1.021	1.469	1.286	1.210	1.418	1.043	1.465	1.047	1.528	1.238	0.728	0.191
	0.211	0.762	1.175	1.503	1.027	1.477	1.290	1.226	1.433	1.052	1.477	1.050	1.525	1.230	0.723	0.190
	0.799	0.494	0.123	-0.689	-0.506	-0.541	-0.291	-1.343	-1.096	-0.921	-0.793	-0.314	0.170	0.632	0.681	0.506
10	0.346	1.210	1.203	1.249	1.406	1.042	1.498	1.011	1.188	1.503	1.275	1.509	1.142	1.467	0.908	0.312
	0.345	1.204	1.206	1.270	1.424	1.052	1.516	1.021	1.198	1.516	1.290	1.524	1.148	1.481	0.909	0.311
	0.561	0.444	-0.198	-1.721	-1.288	-1.004	-1.219	-1.011	-0.820	-0.882	-1.127	-0.979	-0.500	-0.941	-0.040	0.112
11	0.226	1.046	1.478	0.991	0.969	1.415	1.190	1.097	1.096	1.021	1.193	1.220	1.495	1.337	1.283	0.228
	0.225	1.041	1.481	1.000	0.981	1.433	1.198	1.103	1.103	1.021	1.226	1.234	1.506	1.341	1.281	0.227
	0.598	0.504	-0.194	-0.840	-1.269	-1.306	-0.622	-0.573	-0.657	0.003	-2.722	-1.155	-0.726	-0.290	0.143	0.264
13	0.229	1.294	1.345	1.496	1.210	1.206	1.029	1.098	1.086	1.190	1.414	0.974	0.997	1.481	1.053	0.228
	0.227	1.281	1.341	1.506	1.234	1.226	1.021	1.103	1.103	1.198	1.433	0.981	1.000	1.481	1.041	0.225
	0.992	1.053	0.260	-0.716	-1.936	-1.670	0.702	-0.404	-1.571	-0.609	-1.387	-0.751	-0.252	-0.047	1.137	1.407
14	0.315	0.919	1.489	1.150	1.516	1.285	1.513	1.192	1.012	1.517	1.046	1.418	1.272	1.219	1.245	0.355
	0.311	0.909	1.481	1.148	1.524	1.290	1.516	1.198	1.021	1.516	1.052	1.424	1.270	1.206	1.204	0.345
	1.218	1.155	0.550	0.177	-0.509	-0.372	-0.206	-0.482	-0.907	0.087	-0.645	-0.440	0.168	1.120	3.226	2.896
16	0.193	0.736	1.246	1.540	1.060	1.479	1.052	1.421	1.202	1.281	1.460	1.025	1.505	1.184	0.777	0.216
	0.190	0.723	1.230	1.525	1.050	1.477	1.052	1.433	1.226	1.290	1.477	1.027	1.503	1.175	0.762	0.211
	1.651	1.843	1.267	0.956	0.930	0.128	-0.052	-0.858	-1.947	-0.649	-1.163	-0.179	0.115	0.782	1.992	2.277
17		0.412	1.223	1.246	1.504	1.035	1.426	0.980	1.231	1.518	1.048	1.469	1.253	1.209	0.402	
		0.392	1.199	1.223	1.464	1.027	1.424	0.981	1.234	1.524	1.050	1.464	1.252	1.204	0.398	
		4.761	1.954	1.828	2.645	0.779	0.114	-0.061	-0.234	-0.372	-0.167	0.326	0.105	0.379	0.995	
19		0.149	0.430	0.896	1.261	1.499	1.274	1.005	1.518	1.152	1.525	1.223	0.874	0.422	0.148	
		0.144	0.422	0.883	1.252	1.503	1.270	1.000	1.506	1.148	1.525	1.223	0.883	0.423	0.149	
		3.373	1.937	1.489	0.708	-0.246	0.302	0.524	0.780	0.311	-0.014	-0.009	-0.987	-0.145	-0.458	
20				0.430	1.213	1.181	1.215	1.490	1.351	1.486	1.234	1.200	0.421			
				0.423	1.204	1.175	1.206	1.481	1.341	1.480	1.230	1.199	0.422			
				1.659	0.733	0.501	0.770	0.583	0.744	0.401	0.284	0.068	-0.269			
22				0.151	0.402	0.769	1.218	1.050	1.290	0.917	0.727	0.394	0.144			
				0.149	0.398	0.762	1.204	1.041	1.281	0.909	0.723	0.392	0.144			
				1.364	0.973	0.960	1.151	0.920	0.754	0.880	0.632	0.362	0.094			
23						0.213	0.349	0.227	0.229	0.319	0.192			PIDAL-3		
						0.211	0.345	0.225	0.227	0.311	0.190			SIMULATE-3		
						1.065	1.211	1.030	1.081	2.548	1.216			(P3-S3)/P3*100%		

CH

CYCLE 12 E 10 97.6% POWER - DATE/TIME 04/01/1996 00:01:03

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.76 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.207	0.298	0.184	0.180	0.272	0.157					
						0.208	0.301	0.187	0.183	0.271	0.156					
						-0.513	-1.036	-1.354	-1.745	0.213	0.428					
2				0.141	0.389	0.710	1.069	0.898	1.113	0.846	0.691	0.390	0.142			
				0.141	0.390	0.712	1.081	0.910	1.123	0.841	0.687	0.388	0.142			
				-0.394	-0.413	-0.308	-1.098	-1.407	-0.816	0.611	0.547	0.386	0.307			
4				0.449	1.165	1.090	0.991	1.459	1.013	1.431	1.150	1.188	0.452			
				0.452	1.172	1.096	1.003	1.496	1.024	1.435	1.145	1.186	0.451			
				-0.488	-0.539	-0.555	-1.211	-2.533	-1.073	-0.322	0.489	0.185	0.286			
5		0.144	0.455	0.919	1.304	1.589	1.315	1.381	1.582	1.116	1.571	1.296	0.928	0.458	0.143	
		0.142	0.451	0.924	1.311	1.600	1.322	1.398	1.599	1.121	1.575	1.298	0.924	0.452	0.141	
		1.051	0.794	-0.572	-0.490	-0.670	-0.572	-1.298	-1.105	-0.414	-0.247	-0.104	0.372	1.315	1.400	
7		0.393	1.207	1.301	1.585	1.104	1.599	1.104	1.264	1.247	1.094	1.580	1.315	1.196	0.396	
		0.388	1.186	1.298	1.591	1.107	1.599	1.116	1.274	1.252	1.097	1.591	1.311	1.172	0.390	
		1.351	1.695	0.266	-0.432	-0.195	0.029	-1.111	-0.790	-0.387	-0.328	-0.702	0.340	2.003	1.440	
8	0.155	0.691	1.153	1.577	1.098	1.051	1.253	1.518	1.088	1.503	1.049	1.101	1.598	1.103	0.716	0.209
	0.156	0.687	1.145	1.575	1.097	1.052	1.259	1.559	1.099	1.509	1.052	1.107	1.600	1.096	0.712	0.208
	-0.734	0.531	0.730	0.100	0.065	-0.051	-0.483	-2.692	-1.043	-0.391	-0.248	-0.472	-0.095	0.673	0.505	0.314
10	0.271	0.841	1.438	1.122	1.256	1.512	1.089	1.094	1.558	1.078	1.260	1.594	1.321	1.001	1.079	0.301
	0.271	0.841	1.435	1.121	1.252	1.509	1.082	1.102	1.569	1.082	1.259	1.599	1.322	1.003	1.080	0.301
	0.031	-0.020	0.187	0.063	0.333	0.211	0.699	-0.737	-0.710	-0.321	0.052	-0.327	-0.119	-0.193	-0.145	-0.098
11	0.185	1.134	1.031	1.605	1.282	1.105	1.570	1.402	1.401	1.098	1.565	1.115	1.392	1.484	0.907	0.186
	0.183	1.123	1.024	1.599	1.274	1.099	1.569	1.404	1.404	1.102	1.559	1.116	1.398	1.496	0.910	0.187
	1.026	1.013	0.750	0.341	0.560	0.556	0.073	-0.123	-0.220	-0.381	0.393	-0.088	-0.445	-0.818	-0.386	-0.318
13	0.191	0.933	1.511	1.409	1.123	1.573	1.101	1.404	1.406	1.565	1.098	1.271	1.586	1.009	1.116	0.182
	0.187	0.910	1.496	1.398	1.116	1.559	1.102	1.404	1.404	1.569	1.099	1.274	1.599	1.024	1.123	0.183
	2.128	2.480	1.000	0.737	0.568	0.889	-0.111	0.054	0.169	-0.235	-0.079	-0.282	-0.829	-1.495	-0.595	-0.372
14	0.306	1.098	1.015	1.333	1.606	1.269	1.086	1.570	1.104	1.080	1.499	1.247	1.115	1.425	0.845	0.272
	0.301	1.080	1.003	1.322	1.599	1.259	1.082	1.569	1.102	1.082	1.509	1.252	1.121	1.435	0.841	0.271
	1.663	1.604	1.121	0.803	0.467	0.743	0.364	0.063	0.133	-0.109	-0.665	-0.428	-0.539	-0.704	0.459	0.260
16	0.211	0.722	1.107	1.607	1.111	1.058	1.516	1.103	1.559	1.256	1.036	1.091	1.566	1.141	0.688	0.156
	0.208	0.712	1.096	1.600	1.107	1.052	1.509	1.099	1.559	1.259	1.052	1.097	1.575	1.145	0.687	0.156
	1.487	1.419	1.001	0.485	0.431	0.566	0.512	0.355	-0.002	-0.258	-1.463	-0.594	-0.588	-0.298	0.078	0.103
17		0.396	1.181	1.317	1.590	1.102	1.259	1.280	1.118	1.594	1.101	1.585	1.294	1.183	0.388	
		0.390	1.172	1.311	1.591	1.097	1.252	1.274	1.116	1.599	1.107	1.591	1.298	1.186	0.388	
		1.536	0.824	0.505	-0.107	0.431	0.558	0.411	0.113	-0.330	-0.478	-0.438	-0.283	-0.238	0.084	
19		0.143	0.456	0.932	1.314	1.583	1.127	1.602	1.401	1.322	1.594	1.308	0.925	0.451	0.144	
		0.141	0.452	0.924	1.298	1.575	1.121	1.599	1.398	1.322	1.600	1.311	0.924	0.451	0.142	
		1.239	0.896	0.847	1.215	0.494	0.491	0.152	0.154	-0.003	-0.360	-0.202	0.027	0.032	1.669	
20				0.451	1.196	1.153	1.441	1.027	1.496	1.004	1.096	1.170	0.452			
				0.451	1.186	1.145	1.435	1.024	1.496	1.003	1.096	1.172	0.452			
				0.079	0.801	0.715	0.355	0.340	0.001	0.048	0.004	-0.110	-0.005			
22				0.143	0.391	0.693	0.847	1.127	0.913	1.081	0.713	0.390	0.141			
				0.142	0.388	0.687	0.841	1.123	0.910	1.081	0.712	0.390	0.141			
				0.434	0.859	0.784	0.725	0.360	0.284	0.055	0.084	-0.017	0.035			
23						0.157	0.273	0.184	0.187	0.301	0.208			PIDAL-3		
						0.156	0.271	0.183	0.187	0.301	0.208			SIMULATE-3		
						0.736	0.674	0.450	0.217	-0.175	0.003			(P3-S3)/P3*100%		

C4

CYCLE 13 E 9 97.6% POWER - DATE/TIME 09/01/1997 00:00:04

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 1.20 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.169	0.274	0.294	0.281	0.313	0.184					
						0.170	0.276	0.299	0.299	0.313	0.183					
						-0.235	-0.594	-1.595	-6.530	-0.007	0.828					
2				0.122	0.316	0.569	1.073	0.915	0.916	1.086	0.590	0.326	0.121			
				0.122	0.316	0.569	1.069	0.919	0.917	1.060	0.583	0.323	0.120			
				0.513	0.044	-0.107	0.361	-0.370	-0.177	2.324	1.227	0.978	0.920			
4				0.352	0.786	1.289	1.309	1.490	1.324	1.298	1.304	0.790	0.342			
				0.350	0.786	1.284	1.315	1.482	1.325	1.292	1.280	0.784	0.340			
				0.705	-0.033	0.436	-0.451	0.552	-0.146	0.493	1.827	0.778	0.786			
5		0.121	0.345	0.701	1.328	1.091	1.531	1.340	1.351	1.552	1.108	1.333	0.696	0.356	0.124	
		0.120	0.340	0.691	1.317	1.096	1.528	1.350	1.358	1.541	1.105	1.317	0.691	0.350	0.122	
		1.431	1.528	1.444	0.774	-0.410	0.171	-0.736	-0.531	0.730	0.284	1.199	0.752	1.651	1.831	
7		0.327	0.796	1.333	1.295	1.521	1.154	1.399	1.568	1.164	1.540	1.302	1.339	0.805	0.322	
		0.323	0.784	1.317	1.298	1.519	1.166	1.421	1.573	1.171	1.529	1.298	1.317	0.786	0.316	
		1.190	1.524	1.180	-0.254	0.133	-1.008	-1.615	-0.320	-0.644	0.676	0.281	1.596	2.359	1.825	
8	0.177	0.586	1.296	1.104	1.534	1.199	1.541	1.304	1.138	1.509	1.206	1.533	1.101	1.307	0.575	0.171
	0.183	0.583	1.280	1.105	1.529	1.213	1.558	1.349	1.160	1.513	1.213	1.519	1.096	1.284	0.569	0.170
	-3.430	0.594	1.225	-0.046	0.271	-1.108	-1.105	-3.418	-1.886	-0.256	-0.583	0.923	0.512	1.780	0.997	0.918
10	0.315	1.081	1.295	1.546	1.162	1.506	1.180	1.555	1.306	1.185	1.552	1.160	1.543	1.324	1.085	0.278
	0.313	1.060	1.292	1.541	1.171	1.513	1.204	1.580	1.334	1.204	1.558	1.166	1.528	1.315	1.069	0.276
	0.572	1.956	0.243	0.378	-0.787	-0.467	-2.060	-1.629	-2.146	-1.619	-0.384	-0.464	0.986	0.694	1.449	0.706
11	0.301	0.925	1.328	1.354	1.574	1.143	1.311	1.306	1.303	1.560	1.321	1.408	1.348	1.499	0.924	0.301
	0.299	0.917	1.325	1.358	1.573	1.160	1.334	1.335	1.335	1.580	1.349	1.421	1.350	1.482	0.919	0.299
	0.820	0.797	0.180	-0.330	0.042	-1.424	-1.769	-2.247	-2.463	-1.269	-2.142	-0.916	-0.134	1.114	0.560	0.641
13	0.302	0.930	1.498	1.347	1.411	1.323	1.570	1.306	1.291	1.304	1.142	1.575	1.356	1.326	0.924	0.302
	0.299	0.919	1.482	1.350	1.421	1.349	1.580	1.335	1.335	1.334	1.160	1.573	1.358	1.325	0.917	0.299
	1.002	1.188	1.089	-0.203	-0.748	-1.966	-0.607	-2.185	-3.410	-2.327	-1.522	0.092	-0.205	0.031	0.765	0.917
14	0.278	1.083	1.317	1.539	1.159	1.554	1.189	1.311	1.557	1.178	1.509	1.166	1.554	1.298	1.088	0.318
	0.276	1.069	1.315	1.528	1.166	1.558	1.204	1.334	1.580	1.204	1.513	1.171	1.541	1.292	1.060	0.313
	0.609	1.259	0.136	0.682	-0.534	-0.275	-1.231	-1.790	-1.493	-2.248	-0.230	-0.455	0.859	0.490	2.535	1.520
16	0.171	0.571	1.295	1.096	1.529	1.205	1.515	1.146	1.325	1.552	1.210	1.543	1.108	1.297	0.589	0.185
	0.170	0.569	1.284	1.096	1.519	1.213	1.513	1.160	1.349	1.558	1.213	1.529	1.105	1.280	0.583	0.183
	0.445	0.331	0.884	0.020	0.652	-0.604	0.148	-1.214	-1.816	-0.397	-0.249	0.850	0.271	1.297	1.098	1.273
17		0.317	0.788	1.331	1.303	1.534	1.164	1.575	1.409	1.159	1.531	1.304	1.334	0.789	0.326	
		0.316	0.786	1.317	1.298	1.529	1.171	1.573	1.421	1.166	1.519	1.298	1.317	0.784	0.323	
		0.227	0.218	1.002	0.383	0.324	-0.612	0.098	-0.850	-0.561	0.781	0.501	1.263	0.619	0.952	
19		0.122	0.351	0.695	1.338	1.091	1.546	1.354	1.349	1.539	1.096	1.333	0.698	0.343	0.122	
		0.122	0.350	0.691	1.317	1.105	1.541	1.358	1.350	1.528	1.096	1.317	0.691	0.340	0.120	
		0.451	0.424	0.553	1.521	-1.305	0.340	-0.323	-0.108	0.674	0.078	1.153	0.992	0.924	2.120	
20				0.343	0.787	1.288	1.294	1.326	1.495	1.315	1.295	0.789	0.352			
				0.340	0.784	1.280	1.292	1.325	1.482	1.315	1.284	0.786	0.350			
				0.905	0.433	0.621	0.165	0.078	0.872	-0.016	0.838	0.295	0.664			
22				0.121	0.325	0.587	1.087	0.923	0.921	1.078	0.570	0.317	0.122			
				0.120	0.323	0.583	1.060	0.917	0.919	1.069	0.569	0.316	0.122			
				0.836	0.621	0.738	2.459	0.684	0.265	0.869	0.158	0.317	0.613			
23						0.184	0.317	0.301	0.300	0.277	0.170			PIDAL-3		
						0.183	0.313	0.299	0.299	0.276	0.170			SIMULATE-3		
						1.025	1.446	0.823	0.400	0.389	0.256			(P3-S3)/P3*100%		

C4

CYCLE 14 E 11 99.9% POWER - DATE/TIME 03/01/1999 00:00:01

PRI.P3X 2RPF - AXIALLY COLLAPSED NORMALIZED FULL CORE POWER MAP

RMS DEVIATION FOR THIS MAP = 0.89 %

	A	B	D	E	G	H	J	K	M	N	Q	R	T	V	X	Z
1						0.214	0.332	0.323	0.289	0.305	0.202					
						0.213	0.332	0.326	0.299	0.303	0.201					
						0.121	-0.144	-0.872	-3.210	0.529	0.801					
2				0.146	0.357	0.647	1.125	0.892	0.927	1.114	0.635	0.354	0.145			
				0.146	0.357	0.644	1.119	0.889	0.920	1.090	0.629	0.351	0.144			
				-0.017	0.047	0.430	0.550	0.339	0.752	2.142	0.951	0.760	0.660			
4				0.370	0.863	1.395	1.214	1.414	1.157	1.185	1.395	0.868	0.375			
				0.371	0.860	1.388	1.210	1.409	1.150	1.172	1.375	0.856	0.372			
				-0.089	0.443	0.531	0.298	0.401	0.559	1.132	1.454	1.329	0.759			
5		0.146	0.377	0.697	1.400	1.278	1.531	1.262	1.305	1.557	1.293	1.413	0.703	0.377	0.149	
		0.144	0.372	0.697	1.393	1.275	1.525	1.260	1.299	1.542	1.280	1.393	0.697	0.371	0.146	
		1.260	1.379	0.040	0.474	0.245	0.397	0.183	0.462	0.963	1.002	1.373	0.869	1.713	1.615	
7		0.355	0.883	1.406	1.135	1.512	1.126	1.308	1.534	1.182	1.539	1.146	1.418	0.887	0.362	
		0.351	0.856	1.393	1.137	1.507	1.134	1.308	1.527	1.185	1.523	1.137	1.393	0.860	0.357	
		1.286	3.003	0.900	-0.230	0.343	-0.705	0.029	0.415	-0.255	1.029	0.737	1.749	3.080	1.532	
8	0.192	0.627	1.383	1.277	1.524	1.149	1.500	1.115	1.109	1.508	1.155	1.524	1.288	1.407	0.647	0.213
	0.201	0.629	1.375	1.280	1.523	1.159	1.502	1.126	1.119	1.508	1.159	1.507	1.275	1.388	0.644	0.213
	-4.370	-0.248	0.626	-0.239	0.024	-0.921	-0.123	-1.004	-0.909	-0.035	-0.371	1.151	1.019	1.347	0.360	0.060
10	0.301	1.096	1.168	1.517	1.168	1.503	1.282	1.512	1.244	1.289	1.502	1.129	1.535	1.213	1.125	0.332
	0.303	1.090	1.172	1.542	1.185	1.508	1.292	1.516	1.248	1.292	1.502	1.134	1.525	1.210	1.119	0.332
	-0.726	0.589	-0.373	-1.636	-1.428	-0.343	-0.800	-0.293	-0.380	-0.295	0.000	-0.424	0.659	0.216	0.538	-0.101
11	0.297	0.922	1.147	1.289	1.523	1.104	1.241	1.288	1.289	1.516	1.103	1.305	1.262	1.415	0.892	0.325
	0.299	0.920	1.150	1.299	1.527	1.119	1.248	1.294	1.294	1.516	1.126	1.308	1.260	1.409	0.889	0.326
	-0.583	0.220	-0.285	-0.742	-0.313	-1.323	-0.602	-0.487	-0.392	0.025	-2.066	-0.218	0.109	0.412	0.351	-0.263
13	0.325	0.893	1.412	1.257	1.306	1.112	1.512	1.288	1.287	1.243	1.106	1.530	1.301	1.149	0.926	0.299
	0.326	0.889	1.409	1.260	1.308	1.126	1.516	1.294	1.294	1.248	1.119	1.527	1.299	1.150	0.920	0.299
	-0.351	0.471	0.252	-0.225	-0.155	-1.308	-0.250	-0.459	-0.558	-0.405	-1.155	0.191	0.139	-0.110	0.675	-0.005
14	0.331	1.122	1.211	1.529	1.127	1.504	1.290	1.244	1.512	1.288	1.511	1.180	1.552	1.179	1.109	0.306
	0.332	1.119	1.210	1.525	1.134	1.502	1.292	1.248	1.516	1.292	1.508	1.185	1.542	1.172	1.090	0.303
	-0.353	0.281	0.092	0.272	-0.622	0.132	-0.182	-0.339	-0.269	-0.377	0.203	-0.410	0.616	0.625	1.763	0.778
16	0.212	0.640	1.391	1.277	1.515	1.155	1.516	1.110	1.111	1.504	1.155	1.535	1.287	1.386	0.632	0.202
	0.213	0.644	1.388	1.275	1.507	1.159	1.508	1.119	1.126	1.502	1.159	1.523	1.280	1.375	0.629	0.201
	-0.641	-0.592	0.256	0.217	0.578	-0.400	0.492	-0.809	-1.358	0.105	-0.377	0.775	0.583	0.811	0.448	0.540
17		0.352	0.861	1.401	1.138	1.536	1.183	1.534	1.308	1.129	1.518	1.142	1.406	0.863	0.352	
		0.357	0.860	1.393	1.137	1.523	1.185	1.527	1.308	1.134	1.507	1.137	1.393	0.856	0.351	
		-1.388	0.198	0.550	0.086	0.826	-0.180	0.461	0.013	-0.457	0.742	0.376	0.911	0.802	0.282	
19		0.145	0.370	0.698	1.412	1.290	1.556	1.305	1.262	1.533	1.281	1.404	0.700	0.373	0.145	
		0.146	0.371	0.697	1.393	1.280	1.542	1.299	1.260	1.525	1.275	1.393	0.697	0.372	0.144	
		-0.797	-0.234	0.203	1.307	0.747	0.928	0.489	0.140	0.522	0.462	0.807	0.361	0.285	0.427	
20				0.375	0.867	1.391	1.185	1.159	1.419	1.215	1.395	0.865	0.371			
				0.372	0.856	1.375	1.172	1.150	1.409	1.210	1.388	0.860	0.371			
				0.935	1.212	1.179	1.102	0.726	0.690	0.377	0.539	0.574	0.092			
22				0.145	0.353	0.634	1.115	0.931	0.894	1.123	0.642	0.356	0.146			
				0.144	0.351	0.629	1.090	0.920	0.889	1.119	0.644	0.357	0.146			
				0.741	0.690	0.870	2.235	1.197	0.557	0.381	-0.269	-0.165	-0.034			
23						0.203	0.307	0.300	0.325	0.328	0.212			PIDAL-3		
						0.201	0.303	0.299	0.326	0.332	0.213			SIMULATE-3		
						0.998	1.276	0.442	-0.254	-1.175	-0.690			(P3-S3)/P3*100%		

Cycle 01 Relative Power Dist. 6.0 gwd/mtu 87% Power

	M	N	Q	R	T	V	X	Z
13	1.002 1.010 -0.008 -0.792	1.189 1.197 -0.008 -0.668	1.038 1.048 -0.010 -0.954	1.188 1.197 -0.009 -0.752	1.009 1.018 -0.009 -0.884	1.126 1.131 -0.005 -0.442	0.902 0.902 0.000 0.000	0.808 0.773 0.035 4.528
14	1.189 1.197 -0.008 -0.668	1.054 1.065 -0.011 -1.033	1.226 1.237 -0.011 -0.889	1.054 1.066 -0.012 -1.126	1.173 1.182 -0.009 -0.761	0.980 0.986 -0.006 -0.609	1.131 1.127 0.004 0.355	0.801 0.766 0.035 4.569
16	1.038 1.048 -0.010 -0.954	1.226 1.237 -0.011 -0.889	1.248 1.261 -0.013 -1.031	1.214 1.225 -0.011 -0.898	1.160 1.169 -0.009 -0.770	0.955 0.960 -0.005 -0.521	1.035 1.029 0.006 0.583	0.616 0.585 0.031 5.299
17	1.188 1.197 -0.009 -0.752	1.054 1.066 -0.012 -1.126	1.214 1.225 -0.011 -0.898	1.003 1.012 -0.009 -0.889	0.957 0.963 -0.006 -0.623	1.034 1.036 -0.002 -0.193	0.839 0.832 0.007 0.841	
19	1.008 1.018 -0.010 -0.982	1.173 1.182 -0.009 -0.761	1.160 1.169 -0.009 -0.770	0.957 0.963 -0.006 -0.623	1.070 1.071 -0.001 -0.093	0.860 0.853 0.007 0.821	0.517 0.508 0.009 1.772	
20	1.125 1.131 -0.006 -0.531	0.980 0.986 -0.006 -0.609	0.955 0.959 -0.004 -0.417	1.034 1.036 -0.002 -0.193	0.860 0.853 0.007 0.821			
22	0.902 0.902 0.000 0.000	1.131 1.127 0.004 0.355	1.035 1.029 0.006 0.583	0.839 0.832 0.007 0.841	0.517 0.508 0.009 1.772			
23	0.808 0.773 0.035 4.528	0.801 0.766 0.035 4.569	0.616 0.585 0.031 5.299					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 02 Relative Power Dist. 7.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.012	1.281	1.265	0.989	1.176	0.958	1.067	0.776
13	1.028	1.290	1.273	1.002	1.181	0.966	1.059	0.739
	-0.016	-0.009	-0.008	-0.013	-0.005	-0.008	0.008	0.037
	-1.556	-0.698	-0.628	-1.297	-0.423	-0.828	0.755	5.007
	1.280	1.046	1.238	0.990	0.982	1.253	0.879	0.742
14	1.290	1.062	1.247	1.003	0.994	1.260	0.880	0.707
	-0.010	-0.016	-0.009	-0.013	-0.012	-0.007	-0.001	0.035
	-0.775	-1.507	-0.722	-1.296	-1.207	-0.556	-0.114	4.950
	1.264	1.238	1.016	1.217	1.192	0.950	1.045	0.576
16	1.273	1.247	1.030	1.223	1.196	0.958	1.042	0.545
	-0.009	-0.009	-0.014	-0.006	-0.004	-0.008	0.003	0.031
	-0.707	-0.722	-1.359	-0.491	-0.334	-0.835	0.288	5.688
	0.989	0.990	1.217	1.210	0.966	1.073	0.821	
17	1.002	1.003	1.223	1.216	0.975	1.071	0.813	
	-0.013	-0.013	-0.006	-0.006	-0.009	0.002	0.008	
	-1.297	-1.296	-0.491	-0.493	-0.923	0.187	0.984	
	1.176	0.982	1.192	0.966	1.132	0.854	0.502	
19	1.181	0.994	1.196	0.975	1.135	0.847	0.493	
	-0.005	-0.012	-0.004	-0.009	-0.003	0.007	0.009	
	-0.423	-1.207	-0.334	-0.923	-0.264	0.826	1.826	
	0.958	1.253	0.950	1.073	0.854			
20	0.966	1.260	0.958	1.070	0.847			
	-0.008	-0.007	-0.008	0.003	0.007			
	-0.828	-0.556	-0.835	0.280	0.826			
	1.067	0.879	1.045	0.821	0.502			
22	1.059	0.880	1.041	0.813	0.493			
	0.008	-0.001	0.004	0.008	0.009			
	0.755	-0.114	0.384	0.984	1.826			
	0.776	0.742	0.576					
23	0.739	0.706	0.545					
	0.037	0.036	0.031					
	5.007	5.099	5.688					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 03 Relative Power Dist. 6.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.005	0.933	1.126	1.141	1.011	0.969	0.995	0.931
13	1.012	0.942	1.147	1.166	1.024	0.974	0.994	0.886
	-0.007	-0.009	-0.021	-0.025	-0.013	-0.005	0.001	0.045
	-0.692	-0.955	-1.831	-2.144	-1.270	-0.513	0.101	5.079
	0.932	0.952	0.956	1.086	1.165	1.023	1.241	0.943
14	0.941	0.958	0.966	1.102	1.182	1.029	1.236	0.896
	-0.009	-0.006	-0.010	-0.016	-0.017	-0.006	0.005	0.047
	-0.956	-0.626	-1.035	-1.452	-1.438	-0.583	0.405	5.246
	1.126	0.958	1.028	0.978	1.095	1.001	1.156	0.734
16	1.147	0.968	1.039	0.991	1.115	1.006	1.146	0.691
	-0.021	-0.010	-0.011	-0.013	-0.020	-0.005	0.010	0.043
	-1.831	-1.033	-1.059	-1.312	-1.794	-0.497	0.873	6.223
	1.141	1.088	0.981	0.976	1.024	0.965	0.939	
17	1.166	1.104	0.995	0.987	1.033	0.968	0.927	
	-0.025	-0.016	-0.014	-0.011	-0.009	-0.003	0.012	
	-2.144	-1.449	-1.407	-1.114	-0.871	-0.310	1.294	
	1.011	1.166	1.096	1.025	1.134	0.945	0.591	
19	1.025	1.183	1.116	1.033	1.131	0.934	0.578	
	-0.014	-0.017	-0.020	-0.008	0.003	0.011	0.013	
	-1.366	-1.437	-1.792	-0.774	0.265	1.178	2.249	
	0.969	1.023	1.001	0.965	0.945			
20	0.974	1.029	1.007	0.968	0.934			
	-0.005	-0.006	-0.006	-0.003	0.011			
	-0.513	-0.583	-0.596	-0.310	1.178			
	0.995	1.241	1.156	0.939	0.591			
22	0.993	1.235	1.145	0.927	0.578			
	0.002	0.006	0.011	0.012	0.013			
	0.201	0.486	0.961	1.294	2.249			
	0.931	0.943	0.734					
23	0.886	0.895	0.689					
	0.045	0.048	0.045					
	5.079	5.363	6.531					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 04 Relative Power Dist. 5.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	0.888	1.092	0.918	0.900	1.087	1.089	0.926	0.945
13	0.895	1.113	0.930	0.915	1.108	1.115	0.927	0.895
	-0.007	-0.021	-0.012	-0.015	-0.021	-0.026	-0.001	0.050
	-0.782	-1.887	-1.290	-1.639	-1.895	-2.332	-0.108	5.587
	1.089	0.919	1.061	1.196	0.929	0.896	1.058	0.944
14	1.111	0.929	1.080	1.216	0.939	0.903	1.056	0.892
	-0.022	-0.010	-0.019	-0.020	-0.010	-0.007	0.002	0.052
	-1.980	-1.076	-1.759	-1.645	-1.065	-0.775	0.189	5.830
	0.917	1.058	1.146	1.179	1.243	0.873	1.145	0.752
16	0.929	1.077	1.167	1.208	1.251	0.873	1.128	0.702
	-0.012	-0.019	-0.021	-0.029	-0.008	0.000	0.017	0.050
	-1.292	-1.764	-1.799	-2.401	-0.639	0.000	1.507	7.123
	0.899	1.195	1.179	0.902	0.902	1.046	1.027	
17	0.914	1.214	1.207	0.908	0.905	1.052	1.012	
	-0.015	-0.019	-0.028	-0.006	-0.003	-0.006	0.015	
	-1.641	-1.565	-2.320	-0.661	-0.331	-0.570	1.482	
	1.087	0.929	1.243	0.902	1.237	1.073	0.679	
19	1.108	0.938	1.250	0.904	1.233	1.060	0.664	
	-0.021	-0.009	-0.007	-0.002	0.004	0.013	0.015	
	-1.895	-0.959	-0.560	-0.221	0.324	1.226	2.259	
	1.089	0.895	0.873	1.046	1.073			
20	1.115	0.902	0.873	1.052	1.060			
	-0.026	-0.007	0.000	-0.006	0.013			
	-2.332	-0.776	0.000	-0.570	1.226			
	0.925	1.058	1.144	1.027	0.679			
22	0.927	1.056	1.127	1.011	0.663			
	-0.002	0.002	0.017	0.016	0.016			
	-0.216	0.189	1.508	1.583	2.413			
	0.945	0.944	0.752					
23	0.895	0.891	0.701					
	0.050	0.053	0.051					
	5.587	5.948	7.275					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 05 Relative Power Dist. 6.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.163	1.130	1.126	0.926	1.106	1.096	0.868	0.886
13	1.170	1.141	1.135	0.937	1.121	1.117	0.869	0.840
	-0.007	-0.011	-0.009	-0.011	-0.015	-0.021	-0.001	0.046
	-0.598	-0.964	-0.793	-1.174	-1.338	-1.880	-0.115	5.476
	1.130	0.875	0.937	1.189	0.905	0.856	1.147	0.928
14	1.141	0.874	0.936	1.191	0.911	0.860	1.147	0.882
	-0.011	0.001	0.001	-0.002	-0.006	-0.004	0.000	0.046
	-0.964	0.114	0.107	-0.168	-0.659	-0.465	0.000	5.215
	1.126	0.938	1.050	0.946	1.130	0.920	1.204	0.754
16	1.135	0.937	1.053	0.953	1.146	0.930	1.202	0.712
	-0.009	0.001	-0.003	-0.007	-0.016	-0.010	0.002	0.042
	-0.793	0.107	-0.285	-0.735	-1.396	-1.075	0.166	5.899
	0.926	1.189	0.946	1.048	0.922	1.142	1.009	
17	0.937	1.192	0.954	1.055	0.931	1.161	1.004	
	-0.011	-0.003	-0.008	-0.007	-0.009	-0.019	0.005	
	-1.174	-0.252	-0.839	-0.664	-0.967	-1.637	0.498	
	1.106	0.906	1.130	0.922	1.235	1.035	0.651	
19	1.120	0.912	1.147	0.932	1.242	1.032	0.642	
	-0.014	-0.006	-0.017	-0.010	-0.007	0.003	0.009	
	-1.250	-0.658	-1.482	-1.073	-0.564	0.291	1.402	
	1.096	0.857	0.920	1.142	1.035			
20	1.117	0.861	0.931	1.162	1.032			
	-0.021	-0.004	-0.011	-0.020	0.003			
	-1.880	-0.465	-1.182	-1.721	0.291			
	0.868	1.148	1.204	1.009	0.651			
22	0.869	1.147	1.201	1.004	0.642			
	-0.001	0.001	0.003	0.005	0.009			
	-0.115	0.087	0.250	0.498	1.402			
	0.886	0.928	0.754					
23	0.840	0.881	0.710					
	0.046	0.047	0.044					
	5.476	5.335	6.197					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 06 Relative Power Dist. 5.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	0.809	1.054	1.140	0.932	1.129	1.081	1.055	0.972
13	0.828	1.090	1.177	0.954	1.158	1.090	1.044	0.913
	-0.019	-0.036	-0.037	-0.022	-0.029	-0.009	0.011	0.059
	-2.295	-3.303	-3.144	-2.306	-2.504	-0.826	1.054	6.462
	1.054	0.851	0.924	1.262	0.985	0.912	1.093	0.953
14	1.091	0.867	0.946	1.287	1.003	0.914	1.082	0.895
	-0.037	-0.016	-0.022	-0.025	-0.018	-0.002	0.011	0.058
	-3.391	-1.845	-2.326	-1.943	-1.795	-0.219	1.017	6.480
	1.141	0.924	1.018	0.954	1.141	0.943	1.189	0.753
16	1.178	0.947	1.034	0.969	1.152	0.943	1.171	0.701
	-0.037	-0.023	-0.016	-0.015	-0.011	0.000	0.018	0.052
	-3.141	-2.429	-1.547	-1.548	-0.955	0.000	1.537	7.418
	0.932	1.262	0.955	0.829	0.922	1.089	1.010	
17	0.954	1.288	0.969	0.833	0.929	1.088	0.992	
	-0.022	-0.026	-0.014	-0.004	-0.007	0.001	0.018	
	-2.306	-2.019	-1.445	-0.480	-0.753	0.092	1.815	
	1.129	0.985	1.141	0.922	1.183	1.018	0.644	
19	1.159	1.003	1.152	0.929	1.178	1.003	0.627	
	-0.030	-0.018	-0.011	-0.007	0.005	0.015	0.017	
	-2.588	-1.795	-0.955	-0.753	0.424	1.496	2.711	
	1.081	0.912	0.943	1.089	1.018			
20	1.090	0.914	0.943	1.088	1.003			
	-0.009	-0.002	0.000	0.001	0.015			
	-0.826	-0.219	0.000	0.092	1.496			
	1.055	1.093	1.189	1.010	0.644			
22	1.044	1.082	1.171	0.992	0.627			
	0.011	0.011	0.018	0.018	0.017			
	1.054	1.017	1.537	1.815	2.711			
	0.972	0.953	0.753					
23	0.913	0.895	0.701					
	0.059	0.058	0.052					
	6.462	6.480	7.418					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 07 Relative Power Dist. 6.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	0.822	1.118	1.123	0.928	1.087	0.900	1.034	0.920
13	0.832	1.144	1.152	0.944	1.112	0.907	1.025	0.866
	-0.010	-0.026	-0.029	-0.016	-0.025	-0.007	0.009	0.054
	-1.202	-2.273	-2.517	-1.695	-2.248	-0.772	0.878	6.236
	1.118	0.894	0.966	1.286	0.982	1.103	1.080	0.906
14	1.144	0.903	0.978	1.302	0.995	1.113	1.079	0.855
	-0.026	-0.009	-0.012	-0.016	-0.013	-0.010	0.001	0.051
	-2.273	-0.997	-1.227	-1.229	-1.307	-0.898	0.093	5.965
	1.123	0.966	1.061	0.983	1.169	0.959	1.170	0.721
16	1.152	0.978	1.070	0.990	1.180	0.963	1.161	0.674
	-0.029	-0.012	-0.009	-0.007	-0.011	-0.004	0.009	0.047
	-2.517	-1.227	-0.841	-0.707	-0.932	-0.415	0.775	6.973
	0.928	1.286	0.983	0.855	0.946	1.103	0.972	
17	0.944	1.302	0.990	0.859	0.955	1.109	0.960	
	-0.016	-0.016	-0.007	-0.004	-0.009	-0.006	0.012	
	-1.695	-1.229	-0.707	-0.466	-0.942	-0.541	1.250	
	1.087	0.982	1.169	0.946	1.207	1.002	0.622	
19	1.112	0.995	1.180	0.955	1.208	0.992	0.608	
	-0.025	-0.013	-0.011	-0.009	-0.001	0.010	0.014	
	-2.248	-1.307	-0.932	-0.942	-0.083	1.008	2.303	
	0.900	1.103	0.959	1.103	1.002			
20	0.907	1.113	0.963	1.109	0.992			
	-0.007	-0.010	-0.004	-0.006	0.010			
	-0.772	-0.898	-0.415	-0.541	1.008			
	1.034	1.080	1.170	0.972	0.622			
22	1.025	1.079	1.161	0.960	0.608			
	0.009	0.001	0.009	0.012	0.014			
	0.878	0.093	0.775	1.250	2.303			
	0.920	0.906	0.720					
23	0.866	0.855	0.673					
	0.054	0.051	0.047					
	6.236	5.965	6.984					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 08 Relative Power Dist. 6.0 gwd/mtu 80% Power

	M	N	Q	R	T	V	X	Z
	0.900	1.132	1.172	0.996	1.192	1.184	1.141	0.307
13	0.907	1.152	1.206	1.018	1.223	1.188	1.112	0.243
	-0.007	-0.020	-0.034	-0.022	-0.031	-0.004	0.029	0.064
	-0.772	-1.736	-2.819	-2.161	-2.535	-0.337	2.608	26.337
	1.132	1.101	0.985	1.285	1.028	1.191	1.164	0.777
14	1.152	1.120	1.007	1.313	1.045	1.201	1.158	0.715
	-0.020	-0.019	-0.022	-0.028	-0.017	-0.010	0.006	0.062
	-1.736	-1.696	-2.185	-2.133	-1.627	-0.833	0.518	8.671
	1.171	0.984	1.105	1.023	1.310	1.004	1.112	0.656
16	1.206	1.006	1.127	1.043	1.330	1.014	1.098	0.609
	-0.035	-0.022	-0.022	-0.020	-0.020	-0.010	0.014	0.047
	-2.902	-2.187	-1.952	-1.918	-1.504	-0.986	1.275	7.718
	0.995	1.283	1.021	1.139	1.059	1.263	0.601	
17	1.018	1.311	1.041	1.159	1.073	1.259	0.585	
	-0.023	-0.028	-0.020	-0.020	-0.014	0.004	0.016	
	-2.259	-2.136	-1.921	-1.726	-1.305	0.318	2.735	
	1.191	1.027	1.309	1.058	1.283	0.969	0.199	
19	1.223	1.044	1.329	1.072	1.282	0.943	0.163	
	-0.032	-0.017	-0.020	-0.014	0.001	0.026	0.036	
	-2.617	-1.628	-1.505	-1.306	0.078	2.757	22.086	
	1.183	1.190	1.004	1.262	0.969			
20	1.189	1.202	1.014	1.259	0.943			
	-0.006	-0.012	-0.010	0.003	0.026			
	-0.505	-0.998	-0.986	0.238	2.757			
	1.140	1.162	1.110	0.601	0.199			
22	1.113	1.160	1.099	0.586	0.164			
	0.027	0.002	0.011	0.015	0.035			
	2.426	0.172	1.001	2.560	21.341			
	0.306	0.771	0.654					
23	0.244	0.719	0.610					
	0.062	0.052	0.044					
	25.410	7.232	7.213					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 09 Relative Power Dist. 5.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.045	1.171	1.232	1.145	1.260	1.262	1.187	0.349
13	1.036	1.158	1.228	1.152	1.258	1.254	1.187	0.340
	0.009	0.013	0.004	-0.007	0.002	0.008	0.000	0.009
	0.869	1.123	0.326	-0.608	0.159	0.638	0.000	2.647
	1.172	1.227	1.059	1.347	1.090	1.326	1.186	0.462
14	1.158	1.225	1.059	1.351	1.091	1.339	1.194	0.441
	0.014	0.002	0.000	-0.004	-0.001	-0.013	-0.008	0.021
	1.209	0.163	0.000	-0.296	-0.092	-0.971	-0.670	4.762
	1.230	1.051	1.073	1.127	1.316	1.358	1.056	0.366
16	1.226	1.051	1.075	1.140	1.331	1.376	1.059	0.345
	0.004	0.000	-0.002	-0.013	-0.015	-0.018	-0.003	0.021
	0.326	0.000	-0.186	-1.140	-1.127	-1.308	-0.283	6.087
	1.143	1.340	1.119	1.235	1.242	1.115	0.526	
17	1.149	1.343	1.131	1.242	1.249	1.119	0.522	
	-0.006	-0.003	-0.012	-0.007	-0.007	-0.004	0.004	
	-0.522	-0.223	-1.061	-0.564	-0.560	-0.357	0.766	
	1.259	1.088	1.314	1.241	0.778	0.483	0.166	
19	1.257	1.088	1.326	1.247	0.778	0.485	0.165	
	0.002	0.000	-0.012	-0.006	0.000	-0.002	0.001	
	0.159	0.000	-0.905	-0.481	0.000	-0.412	0.606	
	1.261	1.327	1.360	1.116	0.483			
20	1.254	1.338	1.373	1.118	0.485			
	0.007	-0.011	-0.013	-0.002	-0.002			
	0.558	-0.822	-0.947	-0.179	-0.412			
	1.188	1.189	1.059	0.528	0.167			
22	1.186	1.194	1.060	0.523	0.165			
	0.002	-0.005	-0.001	0.005	0.002			
	0.169	-0.419	-0.094	0.956	1.212			
	0.349	0.464	0.370					
23	0.340	0.442	0.347					
	0.009	0.022	0.023					
	2.647	4.977	6.628					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 10 Relative Power Dist. 6.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.059	1.132	1.199	1.124	1.406	1.136	1.102	0.240
13	1.061	1.137	1.203	1.127	1.414	1.154	1.144	0.245
	-0.002	-0.005	-0.004	-0.003	-0.008	-0.018	-0.042	-0.005
	-0.189	-0.440	-0.333	-0.266	-0.566	-1.560	-3.671	-2.041
	1.151	1.383	1.120	1.430	1.134	1.384	0.928	0.357
14	1.158	1.390	1.128	1.435	1.138	1.393	0.934	0.347
	-0.007	-0.007	-0.008	-0.005	-0.004	-0.009	-0.006	0.010
	-0.604	-0.504	-0.709	-0.348	-0.351	-0.646	-0.642	2.882
	1.425	1.142	1.055	1.210	1.482	1.179	1.039	0.224
16	1.431	1.151	1.055	1.215	1.481	1.176	1.024	0.208
	-0.006	-0.009	0.000	-0.005	0.001	0.003	0.015	0.016
	-0.419	-0.782	0.000	-0.412	0.068	0.255	1.465	7.692
	1.115	1.420	1.206	1.401	1.198	1.232	0.499	
17	1.117	1.424	1.211	1.403	1.194	1.209	0.484	
	-0.002	-0.004	-0.005	-0.002	0.004	0.023	0.015	
	-0.179	-0.281	-0.413	-0.143	0.335	1.902	3.099	
	1.138	1.094	1.466	1.195	1.244	0.568	0.177	
19	1.143	1.096	1.464	1.190	1.222	0.552	0.170	
	-0.005	-0.002	0.002	0.005	0.022	0.016	0.007	
	-0.437	-0.182	0.137	0.420	1.800	2.899	4.118	
	1.156	1.357	1.164	1.224	0.566			
20	1.171	1.364	1.160	1.201	0.550			
	-0.015	-0.007	0.004	0.023	0.016			
	-1.281	-0.513	0.345	1.915	2.909			
	1.102	0.920	1.029	0.495	0.176			
22	1.144	0.927	1.013	0.480	0.168			
	-0.042	-0.007	0.016	0.015	0.008			
	-3.671	-0.755	1.579	3.125	4.762			
	0.239	0.353	0.223					
23	0.243	0.343	0.207					
	-0.004	0.010	0.016					
	-1.646	2.915	7.729					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 11 Relative Power Dist. 7.0 gwd/mtu 98% Power

	M	N	Q	R	T	V	X	Z
	1.096	1.193	1.444	0.990	1.002	1.474	1.012	0.228
13	1.093	1.192	1.444	0.988	1.003	1.480	1.030	0.226
	0.003	0.001	0.000	0.002	-0.001	-0.006	-0.018	0.002
	0.274	0.084	0.000	0.202	-0.100	-0.405	-1.748	0.885
	1.022	1.519	1.057	1.437	1.260	1.190	1.193	0.351
14	1.018	1.516	1.062	1.440	1.265	1.192	1.186	0.343
	0.004	0.003	-0.005	-0.003	-0.005	-0.002	0.007	0.008
	0.393	0.198	-0.471	-0.208	-0.395	-0.168	0.590	2.332
	1.222	1.283	1.489	1.028	1.502	1.162	0.762	0.221
16	1.223	1.291	1.497	1.037	1.506	1.159	0.753	0.211
	-0.001	-0.008	-0.008	-0.009	-0.004	0.003	0.009	0.010
	-0.082	-0.620	-0.534	-0.868	-0.266	0.259	1.195	4.739
	1.233	1.534	1.055	1.471	1.243	1.206	0.405	
17	1.236	1.541	1.062	1.476	1.243	1.188	0.397	
	-0.003	-0.007	-0.007	-0.005	0.000	0.018	0.008	
	-0.243	-0.454	-0.659	-0.339	0.000	1.515	2.015	
	1.517	1.152	1.532	1.215	0.884	0.431	0.156	
19	1.518	1.155	1.537	1.218	0.879	0.423	0.150	
	-0.001	-0.003	-0.005	-0.003	0.005	0.008	0.006	
	-0.066	-0.260	-0.325	-0.246	0.569	1.891	4.000	
	1.334	1.479	1.223	1.205	0.432			
20	1.334	1.486	1.224	1.189	0.423			
	0.000	-0.007	-0.001	0.016	0.009			
	0.000	-0.471	-0.082	1.346	2.128			
	1.235	0.895	0.724	0.401	0.156			
22	1.267	0.906	0.723	0.394	0.146			
	-0.032	-0.011	0.001	0.007	0.010			
	-2.526	-1.214	0.138	1.777	6.849			
	0.229	0.317	0.198					
23	0.229	0.313	0.192					
	0.000	0.004	0.006					
	0.000	1.278	3.125					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 12 Relative Power Dist. 6.0 gwd/mtu 98% Power

	M	N	Q	R	T	V	X	Z
	1.409	1.577	1.098	1.274	1.606	1.015	1.097	0.185
13	1.412	1.575	1.102	1.276	1.599	1.022	1.119	0.182
	-0.003	0.002	-0.004	-0.002	0.007	-0.007	-0.022	0.003
	-0.212	0.127	-0.363	-0.157	0.438	-0.685	-1.966	1.648
	1.102	1.081	1.516	1.255	1.135	1.438	0.829	0.272
14	1.107	1.085	1.512	1.253	1.120	1.433	0.838	0.270
	-0.005	-0.004	0.004	0.002	0.015	0.005	-0.009	0.002
	-0.452	-0.369	0.265	0.160	1.339	0.349	-1.074	0.741
	1.565	1.260	1.053	1.099	1.588	1.146	0.682	0.155
16	1.563	1.262	1.053	1.098	1.574	1.142	0.685	0.156
	0.002	-0.002	0.000	0.001	0.014	0.004	-0.003	-0.001
	0.128	-0.158	0.000	0.091	0.889	0.350	-0.438	-0.641
	1.112	1.602	1.101	1.600	1.313	1.200	0.386	
17	1.118	1.601	1.107	1.591	1.296	1.184	0.387	
	-0.006	0.001	-0.006	0.009	0.017	0.016	-0.001	
	-0.537	0.062	-0.542	0.566	1.312	1.351	-0.258	
	1.399	1.317	1.602	1.312	0.926	0.455	0.141	
19	1.400	1.323	1.599	1.310	0.923	0.450	0.142	
	-0.001	-0.006	0.003	0.002	0.003	0.005	-0.001	
	1.401	1.329	1.596	1.308	0.920	0.445	0.143	
	1.493	0.998	1.093	1.178	0.449			
20	1.494	1.002	1.094	1.170	0.451			
	-0.001	-0.004	-0.001	0.008	-0.002			
	-0.067	-0.399	-0.091	0.684	-0.443			
	0.896	1.077	0.706	0.387	0.139			
22	0.908	1.078	0.710	0.389	0.141			
	-0.012	-0.001	-0.004	-0.002	-0.002			
	-1.322	-0.093	-0.563	-0.514	-1.418			
	0.186	0.292	0.207					
23	0.186	0.300	0.207					
	0.000	-0.008	0.000					
	0.000	-2.667	0.000					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 13 Relative Power Dist. 7.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.325	1.329	1.160	1.578	1.349	1.319	0.914	0.304
13	1.334	1.337	1.167	1.584	1.354	1.314	0.911	0.299
	-0.009	-0.008	-0.007	-0.006	-0.005	0.005	0.003	0.005
	-0.675	-0.598	-0.600	-0.379	-0.369	0.381	0.329	1.672
	1.581	1.203	1.524	1.168	1.539	1.283	1.055	0.316
14	1.592	1.214	1.534	1.180	1.545	1.278	1.048	0.312
	-0.011	-0.011	-0.010	-0.012	-0.006	0.005	0.007	0.004
	-0.691	-0.906	-0.652	-1.017	-0.388	0.391	0.668	1.282
	1.344	1.569	1.213	1.535	1.100	1.274	0.582	0.187
16	1.353	1.577	1.224	1.543	1.102	1.265	0.580	0.183
	-0.009	-0.008	-0.011	-0.008	-0.002	0.009	0.002	0.004
	-0.665	-0.507	-0.899	-0.518	-0.181	0.711	0.345	2.186
	1.424	1.169	1.527	1.291	1.312	0.786	0.327	
17	1.420	1.172	1.532	1.294	1.304	0.779	0.324	
	0.004	-0.003	-0.005	-0.003	0.008	0.007	0.003	
	0.282	-0.256	-0.326	-0.232	0.613	0.899	0.926	
	1.342	1.530	1.090	1.312	0.691	0.345	0.125	
19	1.345	1.533	1.093	1.305	0.688	0.341	0.121	
	-0.003	-0.003	-0.003	0.007	0.003	0.004	0.004	
	-0.223	-0.196	-0.274	0.536	0.436	1.173	3.306	
	1.481	1.306	1.279	0.789	0.356			
20	1.481	1.305	1.270	0.782	0.351			
	0.000	0.001	0.009	0.007	0.005			
	0.000	0.077	0.709	0.895	1.425			
	0.916	1.068	0.571	0.321	0.127			
22	0.915	1.060	0.568	0.317	0.123			
	0.001	0.008	0.003	0.004	0.004			
	0.109	0.755	0.528	1.262	3.252			
	0.304	0.282	0.175					
23	0.299	0.276	0.171					
	0.005	0.006	0.004					
	1.672	2.174	2.339					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 14 Relative Power Dist. 7.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.293	1.244	1.111	1.526	1.296	1.152	0.923	0.299
13	1.299	1.252	1.120	1.534	1.301	1.151	0.919	0.298
	-0.006	-0.008	-0.009	-0.008	-0.005	0.001	0.004	0.001
	-0.462	-0.639	-0.804	-0.522	-0.384	0.087	0.435	0.336
	1.515	1.284	1.505	1.175	1.544	1.175	1.103	0.308
14	1.524	1.296	1.515	1.186	1.549	1.173	1.093	0.303
	-0.009	-0.012	-0.010	-0.011	-0.005	0.002	0.010	0.005
	-0.591	-0.926	-0.660	-0.927	-0.323	0.171	0.915	1.650
	1.117	1.498	1.151	1.524	1.281	1.395	0.632	0.205
16	1.127	1.509	1.160	1.530	1.283	1.381	0.628	0.200
	-0.010	-0.011	-0.009	-0.006	-0.002	0.014	0.004	0.005
	-0.887	-270.023	-0.776	-0.392	-0.156	1.014	0.637	2.500
	1.305	1.125	1.507	1.136	1.413	0.867	0.356	
17	1.311	1.135	1.513	1.138	1.400	0.858	0.351	
	-0.006	-0.010	-0.006	-0.002	0.013	0.009	0.005	
	-0.458	-0.881	-0.397	-0.176	0.929	1.049	1.425	
	1.257	1.526	1.274	1.413	0.703	0.378	0.148	
19	1.262	1.531	1.277	1.400	0.697	0.372	0.144	
	-0.005	-0.005	-0.003	0.013	0.006	0.006	0.004	
	-0.396	-0.327	-0.235	0.929	0.861	1.613	2.778	
	1.413	1.210	1.407	0.870	0.377			
20	1.413	1.211	1.394	0.861	0.371			
	0.000	-0.001	0.013	0.009	0.006			
	0.000	-0.083	0.933	1.045	1.617			
	0.890	1.131	0.648	0.361	0.150			
22	0.889	1.122	0.644	0.357	0.146			
	0.001	0.009	0.004	0.004	0.004			
	0.112	0.802	0.621	1.120	2.740			
	0.330	0.337	0.218					
23	0.326	0.332	0.213					
	0.004	0.005	0.005					
	1.227	1.506	2.347					

CASMO-3
CASMO-4
C3-C4
% Dev

Cycle 15 Relative Power Dist. 7.0 gwd/mtu 100% Power

	M	N	Q	R	T	V	X	Z
	1.184	1.259	1.015	1.626	1.204	1.510	0.836	0.151
13	1.180	1.256	1.022	1.634	1.214	1.514	0.834	0.143
	0.004	0.003	-0.007	-0.008	-0.010	-0.004	0.002	0.008
	0.339	0.239	-0.685	-0.490	-0.824	-0.264	0.240	5.594
	1.265	1.313	1.632	1.122	1.663	1.250	0.784	0.241
14	1.262	1.314	1.631	1.132	1.663	1.250	0.782	0.237
	0.003	-0.001	0.001	-0.010	0.000	0.000	0.002	0.004
	0.238	-0.076	0.061	-0.883	0.000	0.000	0.256	1.688
	1.020	1.638	1.135	1.594	1.124	1.398	0.684	0.190
16	1.221	1.636	1.143	1.597	1.128	1.390	0.681	0.187
	-0.201	0.002	-0.008	-0.003	-0.004	0.008	0.003	0.003
	-16.462	0.122	-0.700	-0.188	-0.355	0.576	0.441	1.604
	1.634	1.133	1.598	1.184	1.454	0.888	0.346	
17	1.642	1.143	1.601	1.186	1.446	0.882	0.343	
	-0.008	-0.010	-0.003	-0.002	0.008	0.006	0.003	
	-0.487	-32.156	-0.187	-0.169	0.553	0.680	0.875	
	1.211	1.670	1.127	1.453	0.905	0.390	0.147	
19	1.221	1.671	1.131	1.445	0.898	0.386	0.144	
	-0.010	-0.001	-0.004	0.008	0.007	0.004	0.003	
	-0.819	-0.060	-0.354	0.554	0.780	1.036	2.083	
	1.537	1.260	1.398	0.881	0.383			
20	1.542	1.261	1.390	0.875	0.378			
	-0.005	-0.001	0.008	0.006	0.005			
	-0.324	-0.079	0.576	0.686	1.323			
	0.893	0.819	0.691	0.339	0.084			
22	0.893	0.817	0.687	0.336	0.082			
	0.000	0.002	0.004	0.003	0.002			
	0.000	0.245	0.582	0.893	2.439			
	0.288	0.266	0.190					
23	0.289	0.265	0.187					
	-0.001	0.001	0.003					
	-0.346	0.377	1.604					

CASMO-3
CASMO-4
C3-C4
% Dev

RID	1.01800	1.01100	0.98700	0.98100	0.99700	0.96600	0.94500
	1.01225	0.99777	0.98943	0.98500	0.98199	0.96138	0.94137
	-0.00575	-0.01323	0.00243	0.00400	-0.01501	-0.00462	-0.00363
	1.01900	1.06700	1.01200	1.00900	1.05800	0.99900	0.94500
	1.01714	1.06511	1.01403	1.01069	1.05074	0.98328	0.94621
	-0.00186	-0.00189	0.00203	0.00169	-0.00726	-0.01572	0.00121
			1.08100	1.09000		1.03200	0.95300
		WATER	1.08361	1.08461	WATER	1.04089	0.95332
			0.00261	-0.00539		0.00889	0.00032
			1.05400	1.10400	1.08600	0.98900	0.94500
			1.05848	1.10590	1.08694	0.99136	0.94809
			0.00448	0.00190	0.00094	0.00236	0.00309
					1.05900	0.96500	0.93400
				WATER	1.05781	0.96326	0.93900
					-0.00119	-0.00174	0.00500
					0.98800	0.93800	0.92300
					0.98344	0.94468	0.92876
					-0.00456	0.00668	0.00576
						0.92500	0.91400
						0.92951	0.91917
						0.00451	0.00517
							0.90300
							0.90851
							0.00551

B&W Core 1
CASMO-3/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00618
AVERAGE REL. DEV.	0.00034
RMS DEVIATION(%)	0.60723

RID	1.01800	1.01100	0.98700	0.98100	0.99700	0.96600	0.94500
	1.02500	1.00900	0.99100	0.98600	0.98800	0.96600	0.94200
	0.00700	-0.00200	0.00400	0.00500	-0.00900	0.00000	-0.00300
	1.01900	1.06700	1.01200	1.00900	1.05800	0.99900	0.94500
	1.02600	1.06500	1.02100	1.01600	1.04800	0.98600	0.94800
	0.00700	-0.00200	0.00900	0.00700	-0.01000	-0.01300	0.00300
			1.08100	1.09000		1.03200	0.95300
		WATER	1.08500	1.08700	WATER	1.03500	0.95400
			0.00400	-0.00300		0.00300	0.00100
			1.05400	1.10400	1.08600	0.98900	0.94500
			1.06700	1.10600	1.08300	0.99200	0.94500
			0.01300	0.00200	-0.00300	0.00300	0.00000
					1.05900	0.96500	0.93400
				WATER	1.05500	0.96400	0.93300
					-0.00400	-0.00100	-0.00100
					0.98800	0.93800	0.92300
					0.98400	0.94100	0.92000
					-0.00400	0.00300	-0.00300
						0.92500	0.91400
						0.92300	0.91000
						-0.00200	-0.00400
							0.90300
							0.90200
							-0.00100

B&W Core 1
CASMO-4/SIMULATE-3
Fission Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00543
AVERAGE REL. DEV.	0.00014
RMS DEVIATION(%)	0.28551

RID	1.00500	0.91300	0.17000	0.93200	1.03600	1.06300	1.07200
	1.00232	0.89252	0.17516	0.91422	1.04687	1.08007	1.09679
	-0.00268	-0.02048	0.00516	-0.01778	0.01087	0.01707	0.02479
	0.99900	1.01700	0.93100	1.00700	1.12500	1.09400	1.08900
	1.00183	1.01617	0.90104	0.99999	1.12810	1.10547	1.10377
	0.00283	-0.00083	-0.02996	-0.00701	0.00310	0.01147	0.01477
		WATER	0.98800	1.08700	WATER	1.15800	1.10000
			0.96137	1.07637		1.17114	1.10994
			-0.02663	-0.01063		0.01314	0.00994
			0.18100	1.05000	1.13100	1.08800	1.08600
			0.17935	1.02560	1.14638	1.10146	1.09754
			-0.00165	-0.02440	0.01538	0.01346	0.01154
				WATER	1.04800	1.03500	1.07000
					1.01675	1.03261	1.07825
					-0.03125	-0.00239	0.00825
					0.18700	0.96300	1.05400
					0.18801	0.94310	1.06454
					0.00101	-0.01990	0.01054
						1.01800	1.06000
						1.02413	1.07468
						0.00613	0.01468
							1.07000
							1.08985
							0.01985

B&W Core 5
CASMO-3/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01639
AVERAGE REL. DEV.	-0.00056
RMS DEVIATION(%)	1.60857

RID	1.00500	0.91300	0.17000	0.93200	1.03600	1.06300	1.07200
	1.01300	0.91900	0.17700	0.93200	1.04700	1.07400	1.08400
	0.00800	0.00600	0.00700	0.00000	0.01100	0.01100	0.01200
	0.99900	1.01700	0.93100	1.00700	1.12500	1.09400	1.08900
	1.01100	1.01900	0.92500	1.00800	1.11700	1.10000	1.09300
	0.01200	0.00200	-0.00600	0.00100	-0.00800	0.00600	0.00400
		WATER	0.98800	1.08700	WATER	1.15800	1.10000
			0.98400	1.07900		1.15400	1.10200
			-0.00400	-0.00800		-0.00400	0.00200
			0.18100	1.05000	1.13100	1.08800	1.08600
			0.18300	1.04700	1.13400	1.09600	1.08800
			0.00200	-0.00300	0.00300	0.00800	0.00200
				WATER	1.04800	1.03500	1.07000
					1.03300	1.03200	1.06500
					-0.01500	-0.00300	-0.00500
					0.18700	0.96300	1.05400
					0.19100	0.95900	1.04700
					0.00400	-0.00400	-0.00700
						1.01800	1.06000
						1.01600	1.05700
						-0.00200	-0.00300
							1.07000
							1.07200
							0.00200

B&W Core 5
CASMO-4/SIMULATE-3
Fission Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01008
AVERAGE REL. DEV.	0.00280
RMS DEVIATION(%)	1.08810

RID	1.07500	1.04100	1.00600	1.01900	1.00000	0.96000	0.92300
	1.07354	1.03070	1.01227	0.99898	0.98791	0.95528	0.91803
	-0.00146	-0.01030	0.00627	-0.02002	-0.01209	-0.00472	-0.00497
	1.06700	1.12500	1.04400	1.03400	1.07500	0.98700	0.92700
	1.06582	1.12574	1.04182	1.02979	1.08175	0.97961	0.92160
	-0.00118	0.00074	-0.00218	-0.00421	0.00675	-0.00739	-0.00540
		WATER	1.11400	1.11800	WATER	1.03400	0.94200
			1.13116	1.12304		1.05380	0.92237
			0.01716	0.00504		0.01980	-0.01963
			1.08300	1.13700	1.10200	0.97900	0.90800
			1.08205	1.14261	1.11215	0.97698	0.91178
			-0.00095	0.00561	0.01015	-0.00202	0.00378
				WATER	1.07100	0.93900	0.89500
					1.06971	0.93692	0.89477
					-0.00129	-0.00208	-0.00023
					0.95800	0.90000	0.88300
					0.96487	0.90956	0.87654
					0.00687	0.00956	-0.00646
						0.88400	0.85600
						0.88209	0.85599
						-0.00191	-0.00001
							0.84500
							0.83268
							-0.01232

B&W Core 12
CASMO-3/SIMULATE-3
Fission Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00893
AVERAGE REL. DEV.	0.00120
RMS DEVIATION(%)	0.88524

RID	1.07500	1.04100	1.00600	1.01900	1.00000	0.96000	0.92300
	1.08000	1.04300	1.01600	1.00300	0.99500	0.95600	0.91600
	0.00500	0.00200	0.01000	-0.01600	-0.00500	-0.00400	-0.00700
	1.06700	1.12500	1.04400	1.03400	1.07500	0.98700	0.92700
	1.07500	1.12100	1.05000	1.03800	1.07600	0.98300	0.92100
	0.00800	-0.00400	0.00600	0.00400	0.00100	-0.00400	-0.00600
		WATER	1.11400	1.11800	WATER	1.03400	0.94200
			1.13000	1.12400		1.04600	0.92500
			0.01600	0.00600		0.01200	-0.01700
			1.08300	1.13700	1.10200	0.97900	0.90800
			1.09400	1.14200	1.10800	0.98000	0.90900
			0.01100	0.00500	0.00600	0.00100	0.00100
				WATER	1.07100	0.93900	0.89500
					1.06500	0.93900	0.89100
					-0.00600	0.00000	-0.00400
					0.95800	0.90000	0.88300
					0.96800	0.90700	0.87100
					0.01000	0.00700	-0.01200
						0.88400	0.85600
						0.87800	0.85000
						-0.00600	-0.00600
							0.84500
							0.82700
							-0.01800

B&W Core 12
CASMO-4/SIMULATE-3
Fission Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00890
AVERAGE REL. DEV.	-0.00057
RMS DEVIATION(%)	0.76591

RID	1.09100	0.99200	0.16200	0.97600	1.05700	1.03800	1.02800
	1.08465	0.96986	0.15882	0.96633	1.04920	1.04817	1.03400
	-0.00635	-0.02214	-0.00318	-0.00967	-0.00780	0.01017	0.00600
	1.08000	1.11800	1.00000	1.05400	1.15800	1.09100	1.02800
	1.07286	1.11505	0.97971	1.04392	1.15695	1.07744	1.03832
	-0.00714	-0.00295	-0.02029	-0.01008	-0.00105	-0.01356	0.01032
		WATER	1.07200	1.13800	WATER	1.14000	1.03800
			1.06693	1.14546		1.16231	1.04089
			-0.00507	0.00746		0.02231	0.00289
			0.16400	1.11400	1.15100	1.05900	1.01300
			0.16064	1.11062	1.18156	1.07107	1.02779
			-0.00336	-0.00338	0.03056	0.01207	0.01479
				WATER	1.08000	1.01100	1.00300
					1.06634	1.00486	1.00561
					-0.01366	-0.00614	0.00261
					0.16200	0.94200	0.97800
					0.15791	0.92650	0.98618
					-0.00409	-0.01550	0.00818
						0.96500	0.97800
						0.96634	0.97590
						0.00134	-0.00210
							0.95900
							0.96407
							0.00507

B&W Core 14
CASMO-3/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01265
AVERAGE REL. DEV.	0.00269
RMS DEVIATION(%)	1.26960

RID	1.09100	0.99200	0.16200	0.97600	1.05700	1.03800	1.02800
	1.09000	0.99400	0.16000	0.98100	1.05300	1.04400	1.02500
	-0.00100	0.00200	-0.00200	0.00500	-0.00400	0.00600	-0.00300
	1.08000	1.11800	1.00000	1.05400	1.15800	1.09100	1.02800
	1.08300	1.11100	1.00300	1.05300	1.14600	1.07700	1.03100
	0.00300	-0.00700	0.00300	-0.00100	-0.01200	-0.01400	0.00300
		WATER	1.07200	1.13800	WATER	1.14000	1.03800
			1.08200	1.14500		1.14600	1.03700
			0.01000	0.00700		0.00600	-0.00100
			0.16400	1.11400	1.15100	1.05900	1.01300
			0.16200	1.12500	1.17200	1.06900	1.02000
			-0.00200	0.01100	0.02100	0.01000	0.00700
				WATER	1.08000	1.01100	1.00300
					1.07600	1.00500	0.99600
					-0.00400	-0.00600	-0.00700
					0.16200	0.94200	0.97600
					0.16000	0.93800	0.97400
					-0.00200	-0.00400	-0.00200
						0.96500	0.97800
						0.95800	0.96300
						-0.00700	-0.01500
							0.95900
							0.95200
							-0.00700

B&W Core 14
CASMO-4/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00805
AVERAGE REL. DEV.	-0.00134
RMS DEVIATION(%)	0.64379

RID	1.20500	1.03300	0.99700	0.97700	0.95900	0.94100	0.90900
	1.19788	1.02977	1.00037	0.98631	0.96923	0.94823	0.92363
	-0.00712	-0.00323	0.00337	0.00931	0.01023	0.00723	0.01463
	1.07600	1.02100	1.01200	1.01000	0.98200	0.94600	0.91200
	1.07387	1.03046	1.02673	1.01344	0.98281	0.95083	0.92264
	-0.00213	0.00946	0.01473	0.00344	0.00081	0.00483	0.01064
		1.06500	1.22800	1.20300	1.04300	0.95700	0.92800
		1.07822	1.21547	1.20182	1.03810	0.95902	0.91890
		0.01322	-0.01253	-0.00118	-0.00490	0.00202	-0.00910
			WATER	WATER	1.18300	0.97400	0.92400
					1.17377	0.96651	0.91339
					-0.00923	-0.00749	-0.01061
				WATER	1.17000	0.97000	0.90900
					1.15851	0.95441	0.90198
					-0.01149	-0.01559	-0.00702
					0.99500	0.92400	0.88600
					1.00103	0.92370	0.88478
					0.00603	-0.00030	-0.00122
						0.89300	0.86600
						0.89245	0.86374
						-0.00055	-0.00226
							0.83300
							0.84050
							0.00750

B&W Core 18
CASMO-3/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.00845
AVERAGE REL. DEV.	-0.00058
RMS DEVIATION(%)	0.83488

RID	1.20500	1.03300	0.99700	0.97700	0.95900	0.94100	0.90900
	1.20600	1.03500	1.01000	0.99300	0.96100	0.93800	0.91900
	0.00100	0.00200	0.01300	0.01600	0.00200	-0.00300	0.01000
	1.07600	1.02100	1.01200	1.01000	0.98200	0.94600	0.91200
	1.09000	1.04400	1.02800	1.01400	0.98800	0.94800	0.91100
	0.01400	0.02300	0.01600	0.00400	0.00600	0.00200	-0.00100
		1.06500	1.22800	1.20300	1.04300	0.95700	0.92800
		1.09000	1.21300	1.19700	1.04500	0.96300	0.90900
		0.02500	-0.01500	-0.00600	0.00200	0.00600	-0.01900
			WATER	WATER	1.18300	0.97400	0.92400
					1.16800	0.96300	0.91600
					-0.01500	-0.01100	-0.00800
				WATER	1.17000	0.97000	0.90900
					1.15500	0.95200	0.90600
					-0.01500	-0.01800	-0.00300
					0.99500	0.92400	0.88600
					1.00700	0.92800	0.87600
					0.01200	0.00400	-0.01000
						0.89300	0.86600
						0.89000	0.85400
						-0.00300	-0.01200
							0.83300
							0.83700
							0.00400

B&W Core 18
CASMO-4/SIMULATE-3
Fission Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01158
AVERAGE REL. DEV.	0.00068
RMS DEVIATION(%)	1.29741

RID	1.27700	1.08200	1.05900	1.04300	1.04300	1.01700	1.01000
	1.27880	1.08616	1.06139	1.05653	1.04612	1.03479	1.03147
	0.00180	0.00416	0.00239	0.01353	0.00312	0.01779	0.02147
	1.11000	1.01100	1.05900	1.07500	1.03400	0.97300	0.97900
	1.11045	0.99822	1.06128	1.07848	1.03532	0.95879	1.00401
	0.00045	-0.01278	0.00228	0.00348	0.00132	-0.01421	0.02501
		0.16800	1.23800	1.26800	1.07300	0.16400	0.95400
		0.16359	1.21067	1.28541	1.04531	0.16073	0.94155
		-0.00441	-0.02733	0.01741	-0.02769	-0.00327	-0.01245
			WATER	WATER	1.28400	0.97200	0.99900
					1.26434	0.98295	0.99746
					-0.01966	0.01095	-0.00154
				WATER	1.28000	1.04500	0.99900
					1.27801	1.04467	1.01110
					-0.00199	-0.00033	0.01210
					1.07700	0.96200	0.97800
					1.08403	0.94933	0.97403
					0.00703	-0.01267	-0.00397
						0.15800	0.90000
						0.15491	0.89922
						-0.00309	-0.00078
							0.93100
							0.93386
							0.00286

B&W Core 20
CASMO-3/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01354
AVERAGE REL. DEV.	0.00163
RMS DEVIATION(%)	1.33869

RID	1.27700	1.08200	1.05900	1.04300	1.04300	1.01700	1.01000
	1.28600	1.08500	1.06800	1.06000	1.03300	1.01600	1.02000
	0.00900	0.00300	0.00900	0.01700	-0.01000	-0.00100	0.01000
	1.11000	1.01100	1.05900	1.07500	1.03400	0.97300	0.97900
	1.12700	1.02600	1.06100	1.07400	1.03900	0.96700	0.98500
	0.01700	0.01500	0.00200	-0.00100	0.00500	-0.00600	0.00600
		0.16800	1.23800	1.26800	1.07300	0.16400	0.95400
		0.16500	1.22300	1.27300	1.06500	0.16200	0.93900
		-0.00300	-0.01500	0.00500	-0.00800	-0.00200	-0.01500
			WATER	WATER	1.28400	0.97200	0.99900
					1.25400	0.99300	0.99600
					-0.03000	0.02100	-0.00300
				WATER	1.28000	1.04500	0.99900
					1.26800	1.03700	1.00900
					-0.01200	-0.00800	0.01000
					1.07700	0.96200	0.97800
					1.09000	0.96700	0.96000
					0.01300	0.00500	-0.01800
						0.15800	0.90000
						0.15600	0.90000
						-0.00200	0.00000
							0.93100
							0.92400
							-0.00700

B&W Core 20
CASMO-4/SIMULATE-3
Fisson Rate Distributions

MEASURED
S-3
S-3-MEAS.

S(FL)	0.01145
AVERAGE REL. DEV.	-0.00083
RMS DEVIATION(%)	1.27301

CASMO-3 / SIMULATE-3 Pin Power Maps

Cycle 01 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								C226
14								C228
16								C230
17							C232	
19							C236	
20								
22								
23								

90 Deg.

135 Deg.

180 Deg.

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: C226 SERIAL = C226 IA,JA,K = 9,16,13 SEG TYPE/ROT 13/ 0
BATCH = 12 212 PINS
ASSEM RPF = 0.912 ASSEM RPD = 0.911 PLANAR RPD = 0.814 AVE/PEAK GWD/T = 6.25/ 9.56
PEAK PIN = 1.340 MAX PIN XY = 1.198 MAX CHA = 1.162 PEAK KW/FT = 5.267
@ 13, 2 @ 13, 2 @ 13, 1 PEAK W/CM = 172.802

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.198 LOCATION = 13, 2

1.167	1.101	1.021	0.986	0.000	0.902	0.838	0.793	0.758	0.736	0.000	0.643	0.584	0.536	0.461
1.138	0.000	1.126	1.046	1.014	0.954	0.901	0.856	0.815	0.779	0.743	0.683	0.646	0.000	0.459
1.084	1.156	1.057	0.993	0.950	0.909	0.867	0.826	0.784	0.742	0.696	0.649	0.607	0.571	0.442
1.075	1.103	1.020	0.967	0.926	0.890	0.852	0.812	0.770	0.726	0.678	0.631	0.586	0.546	0.440
0.000	1.103	1.006	0.954	0.916	0.883	0.848	0.809	0.766	0.720	0.670	0.622	0.577	0.544	0.000
1.052	1.075	0.997	0.950	0.915	0.885	0.854	0.817	0.771	0.720	0.668	0.618	0.571	0.530	0.430
1.020	1.060	0.992	0.949	0.916	0.890	0.875	0.858	0.790	0.724	0.668	0.616	0.566	0.521	0.415
1.016	1.058	0.994	0.951	0.918	0.895	0.901	0.000	0.812	0.727	0.668	0.616	0.566	0.518	0.412
1.029	1.069	1.000	0.955	0.921	0.894	0.878	0.860	0.792	0.725	0.669	0.616	0.567	0.521	0.416
1.071	1.094	1.012	0.962	0.924	0.892	0.860	0.822	0.774	0.722	0.669	0.619	0.571	0.531	0.431
0.000	1.130	1.028	0.972	0.931	0.895	0.857	0.815	0.771	0.722	0.672	0.623	0.577	0.545	0.000
1.110	1.138	1.049	0.990	0.945	0.905	0.863	0.821	0.776	0.729	0.681	0.632	0.587	0.547	0.442
1.121	1.198	1.093	1.023	0.974	0.928	0.882	0.837	0.791	0.746	0.699	0.650	0.608	0.573	0.445
1.168	0.000	1.168	1.083	1.044	0.978	0.919	0.869	0.823	0.785	0.747	0.686	0.648	0.000	0.462
1.170	1.132	1.060	1.024	0.000	0.928	0.857	0.809	0.767	0.744	0.000	0.646	0.586	0.539	0.463

ASSEMBLY LABEL: C228 SERIAL = C228 IA,JA,K = 10,16,13 SEG TYPE/ROT 13/ 0
BATCH = 12 212 PINS
ASSEM RPF = 0.907 ASSEM RPD = 0.905 PLANAR RPD = 0.809 AVE/PEAK GWD/T = 6.24/ 9.44
PEAK PIN = 1.332 MAX PIN XY = 1.191 MAX CHA = 1.149 PEAK KW/FT = 5.235
@ 3, 2 @ 3, 2 @ 2, 2 PEAK W/CM = 171.763

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.191 LOCATION = 3, 2

1.161	1.126	1.054	1.019	0.000	0.926	0.857	0.808	0.769	0.746	0.000	0.650	0.590	0.542	0.465
1.142	0.000	1.164	1.081	1.044	0.977	0.918	0.868	0.824	0.785	0.748	0.687	0.649	0.000	0.462
1.094	1.191	1.094	1.026	0.977	0.929	0.882	0.836	0.791	0.745	0.698	0.649	0.608	0.572	0.444
1.088	1.138	1.056	0.998	0.951	0.909	0.865	0.821	0.775	0.727	0.678	0.629	0.584	0.545	0.440
0.000	1.137	1.041	0.984	0.940	0.900	0.860	0.816	0.769	0.719	0.668	0.619	0.573	0.541	0.000
1.064	1.107	1.030	0.978	0.937	0.900	0.864	0.822	0.772	0.718	0.664	0.613	0.565	0.525	0.426
1.028	1.087	1.022	0.974	0.935	0.903	0.882	0.860	0.788	0.719	0.661	0.608	0.558	0.513	0.409
1.019	1.081	1.019	0.972	0.934	0.904	0.904	0.000	0.807	0.719	0.659	0.605	0.555	0.508	0.404
1.027	1.085	1.019	0.971	0.931	0.899	0.878	0.854	0.783	0.713	0.656	0.602	0.552	0.506	0.403
1.061	1.102	1.024	0.971	0.929	0.892	0.854	0.812	0.761	0.706	0.652	0.600	0.552	0.512	0.414
0.000	1.129	1.031	0.974	0.928	0.887	0.845	0.800	0.752	0.702	0.650	0.600	0.553	0.520	0.000
1.083	1.127	1.042	0.982	0.934	0.889	0.844	0.798	0.751	0.702	0.652	0.603	0.557	0.515	0.414
1.088	1.175	1.075	1.003	0.952	0.902	0.853	0.806	0.758	0.711	0.662	0.613	0.570	0.532	0.409
1.137	0.000	1.136	1.049	1.007	0.939	0.878	0.826	0.779	0.738	0.698	0.636	0.597	0.000	0.416
1.165	1.105	1.022	0.979	0.000	0.877	0.806	0.756	0.713	0.687	0.000	0.588	0.529	0.480	0.407

ASSEMBLY LABEL: C230 SERIAL = C230 IA,JA,K = 11,16,13 SEG TYPE/ROT 13/ 0
BATCH = 12 212 PINS
ASSEM RPF = 0.700 ASSEM RPD = 0.698 PLANAR RPD = 0.624 AVE/PEAK GWD/T = 4.75/ 8.80
PEAK PIN = 1.305 MAX PIN XY = 1.166 MAX CHA = 1.130 PEAK KW/FT = 5.127
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 168.209

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.166 LOCATION = 1, 1

1.166	1.110	1.026	0.981	0.000	0.878	0.804	0.752	0.710	0.682	0.000	0.581	0.519	0.471	0.396
1.115	0.000	1.120	1.032	0.989	0.919	0.858	0.805	0.757	0.714	0.674	0.611	0.570	0.000	0.387
1.041	1.131	1.031	0.960	0.909	0.859	0.810	0.762	0.714	0.667	0.618	0.567	0.523	0.483	0.362
1.011	1.057	0.974	0.915	0.867	0.822	0.778	0.732	0.685	0.636	0.586	0.537	0.490	0.448	0.350
0.000	1.033	0.938	0.882	0.837	0.795	0.754	0.709	0.662	0.613	0.563	0.514	0.468	0.433	0.000
0.946	0.982	0.906	0.854	0.812	0.774	0.737	0.695	0.645	0.593	0.541	0.492	0.446	0.406	0.318
0.892	0.941	0.876	0.828	0.787	0.753	0.728	0.702	0.636	0.573	0.520	0.471	0.425	0.383	0.295
0.864	0.912	0.849	0.800	0.760	0.728	0.719	0.000	0.626	0.549	0.496	0.449	0.404	0.363	0.280
0.849	0.890	0.823	0.773	0.730	0.695	0.668	0.642	0.578	0.519	0.470	0.425	0.384	0.345	0.268
0.856	0.876	0.799	0.743	0.697	0.657	0.619	0.578	0.532	0.485	0.441	0.400	0.362	0.331	0.262
0.000	0.869	0.775	0.714	0.665	0.620	0.578	0.536	0.494	0.451	0.411	0.373	0.340	0.317	0.000
0.821	0.835	0.750	0.686	0.633	0.586	0.541	0.499	0.457	0.418	0.381	0.346	0.316	0.291	0.233
0.794	0.838	0.737	0.663	0.607	0.555	0.507	0.463	0.423	0.386	0.352	0.320	0.295	0.276	0.214
0.793	0.000	0.739	0.651	0.599	0.533	0.477	0.431	0.391	0.359	0.331	0.296	0.276	0.000	0.201
0.759	0.701	0.618	0.562	0.000	0.451	0.391	0.348	0.313	0.289	0.000	0.235	0.211	0.198	0.179

ASSEMBLY LABEL: C232 SERIAL = C232 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 212 PINS
ASSEM RPF = 0.945 ASSEM RPD = 0.943 PLANAR RPD = 0.843 AVE/PEAK GWD/T = 6.53/10.73
PEAK PIN = 1.443 MAX PIN XY = 1.290 MAX CHA = 1.258 PEAK KW/FT = 5.672
@ 1, 1 @ 1, 1 @ 2, 1 PEAK W/CM = 186.096

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.290 LOCATION = 1, 1

1.290	1.195	1.101	1.061	0.000	0.986	0.928	0.897	0.877	0.879	0.000	0.832	0.798	0.787	0.745
1.278	0.000	1.216	1.125	1.094	1.037	0.991	0.957	0.930	0.912	0.899	0.857	0.849	0.000	0.697
1.228	1.269	1.141	1.065	1.018	0.980	0.945	0.913	0.882	0.851	0.820	0.789	0.768	0.760	0.631
1.218	1.210	1.095	1.029	0.983	0.949	0.916	0.884	0.851	0.815	0.778	0.743	0.712	0.690	0.590
0.000	1.203	1.071	1.005	0.962	0.930	0.899	0.866	0.829	0.790	0.748	0.709	0.673	0.657	0.000
1.174	1.159	1.050	0.988	0.948	0.918	0.890	0.859	0.818	0.772	0.725	0.681	0.640	0.609	0.511
1.126	1.126	1.031	0.973	0.935	0.909	0.897	0.883	0.819	0.757	0.705	0.658	0.612	0.571	0.466
1.105	1.108	1.016	0.960	0.922	0.898	0.905	0.000	0.824	0.742	0.686	0.636	0.589	0.544	0.438
1.100	1.099	1.004	0.947	0.908	0.880	0.866	0.849	0.785	0.721	0.668	0.618	0.570	0.524	0.420
1.123	1.106	0.998	0.936	0.894	0.861	0.831	0.795	0.751	0.701	0.651	0.602	0.556	0.515	0.416
0.000	1.123	0.996	0.929	0.884	0.847	0.812	0.774	0.732	0.687	0.639	0.591	0.546	0.512	0.000
1.122	1.110	0.999	0.932	0.884	0.844	0.806	0.767	0.725	0.681	0.635	0.589	0.543	0.501	0.398
1.118	1.151	1.030	0.954	0.905	0.860	0.816	0.775	0.734	0.692	0.648	0.600	0.557	0.517	0.392
1.160	0.000	1.101	1.014	0.976	0.912	0.856	0.810	0.769	0.733	0.698	0.637	0.595	0.000	0.404
1.191	1.112	1.025	0.982	0.000	0.889	0.823	0.777	0.740	0.716	0.000	0.619	0.555	0.499	0.410

ASSEMBLY LABEL: C236 SERIAL = C236 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 212 PINS
ASSEM RPF = 0.584 ASSEM RPD = 0.583 PLANAR RPD = 0.521 AVE/PEAK GWD/T = 4.00/ 9.18
PEAK PIN = 1.345 MAX PIN XY = 1.202 MAX CHA = 1.146 PEAK KW/FT = 5.286
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 173.439

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.202 LOCATION = 1, 1

1.202	1.117	1.022	0.977	0.000	0.879	0.810	0.762	0.725	0.701	0.000	0.606	0.544	0.490	0.403
1.119	0.000	1.053	0.961	0.922	0.856	0.800	0.755	0.715	0.680	0.648	0.591	0.555	0.000	0.378
1.025	1.054	0.931	0.854	0.803	0.759	0.717	0.678	0.639	0.601	0.562	0.521	0.485	0.454	0.343
0.981	0.964	0.855	0.788	0.741	0.702	0.666	0.629	0.593	0.554	0.515	0.476	0.441	0.409	0.325
0.000	0.926	0.806	0.742	0.699	0.663	0.630	0.595	0.559	0.521	0.483	0.445	0.411	0.388	0.000
0.885	0.861	0.762	0.704	0.664	0.632	0.603	0.571	0.534	0.495	0.456	0.419	0.386	0.357	0.286
0.816	0.805	0.721	0.669	0.631	0.604	0.586	0.569	0.518	0.471	0.432	0.396	0.362	0.332	0.261
0.769	0.760	0.682	0.632	0.597	0.573	0.570	0.000	0.503	0.446	0.407	0.372	0.341	0.311	0.244
0.732	0.720	0.643	0.596	0.562	0.536	0.519	0.504	0.459	0.417	0.381	0.349	0.320	0.293	0.231
0.708	0.686	0.605	0.558	0.524	0.497	0.473	0.447	0.417	0.385	0.355	0.326	0.299	0.278	0.223
0.000	0.654	0.567	0.519	0.486	0.459	0.434	0.408	0.382	0.355	0.328	0.303	0.279	0.264	0.000
0.612	0.597	0.526	0.480	0.448	0.422	0.398	0.374	0.351	0.327	0.303	0.280	0.259	0.242	0.194
0.550	0.560	0.489	0.444	0.415	0.389	0.365	0.343	0.321	0.301	0.280	0.260	0.243	0.230	0.178
0.495	0.000	0.458	0.413	0.391	0.360	0.334	0.313	0.295	0.279	0.265	0.243	0.231	0.000	0.167
0.407	0.382	0.347	0.328	0.000	0.289	0.264	0.246	0.233	0.225	0.000	0.195	0.179	0.168	0.150

Cycle 02 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								D01V
14								D014
16								D009
17							D01Z	
19							D00D	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: D01V SERIAL = D01V IA,JA,K = 9,16,13 SEG TYPE/ROT 10/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.840 ASSEM RPD = 0.829 PLANAR RPD = 0.773 AVE/PEAK GWD/T = 6.26/ 8.77
PEAK PIN = 1.196 MAX PIN XY = 1.115 MAX CHA = 1.068 PEAK KW/FT = 5.367
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 176.076

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.115 LOCATION = 1, 1

1.115	1.033	0.990	0.980	0.000	0.905	0.839	0.792	0.752	0.725	0.000	0.617	0.544	0.486	0.436
1.052	1.073	1.028	1.003	0.983	0.927	0.873	0.827	0.783	0.743	0.702	0.634	0.570	0.513	0.423
1.031	1.051	1.000	0.963	0.928	0.889	0.847	0.803	0.760	0.713	0.664	0.610	0.555	0.505	0.421
1.048	1.053	0.989	0.946	0.909	0.872	0.833	0.791	0.746	0.699	0.649	0.598	0.549	0.507	0.430
0.000	1.065	0.984	0.939	0.901	0.865	0.828	0.787	0.742	0.693	0.643	0.593	0.546	0.513	0.000
1.037	1.042	0.978	0.934	0.898	0.865	0.832	0.793	0.745	0.692	0.640	0.590	0.542	0.501	0.426
1.004	1.025	0.973	0.931	0.897	0.868	0.849	0.827	0.760	0.695	0.638	0.587	0.539	0.493	0.412
0.995	1.019	0.968	0.929	0.895	0.869	0.868	0.000	0.777	0.695	0.637	0.585	0.536	0.490	0.408
1.000	1.021	0.968	0.926	0.892	0.864	0.845	0.822	0.756	0.691	0.635	0.584	0.536	0.490	0.410
1.029	1.034	0.969	0.926	0.889	0.856	0.824	0.784	0.737	0.685	0.634	0.584	0.537	0.497	0.422
0.000	1.052	0.972	0.926	0.888	0.853	0.815	0.775	0.730	0.683	0.633	0.584	0.539	0.506	0.000
1.030	1.036	0.972	0.930	0.893	0.856	0.817	0.775	0.732	0.685	0.637	0.587	0.540	0.499	0.423
1.007	1.029	0.979	0.943	0.908	0.869	0.828	0.785	0.742	0.697	0.649	0.597	0.544	0.496	0.413
1.018	1.045	1.004	0.979	0.959	0.904	0.852	0.807	0.763	0.725	0.686	0.620	0.558	0.503	0.415
1.065	1.000	0.965	0.957	0.000	0.885	0.821	0.775	0.736	0.710	0.000	0.607	0.536	0.479	0.428

ASSEMBLY LABEL: D014 SERIAL = D014 IA,JA,K = 10,16,13 SEG TYPE/ROT 10/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.803 ASSEM RPD = 0.793 PLANAR RPD = 0.739 AVE/PEAK GWD/T = 6.04/ 9.35
PEAK PIN = 1.149 MAX PIN XY = 1.071 MAX CHA = 1.050 PEAK KW/FT = 5.157
@ 1, 1 @ 1, 1 @ 4, 1 PEAK W/CM = 169.204

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.071 LOCATION = 1, 1

1.071	1.006	0.970	0.962	0.000	0.887	0.821	0.774	0.734	0.707	0.000	0.601	0.530	0.473	0.424
1.047	1.058	1.007	0.979	0.958	0.901	0.848	0.801	0.758	0.719	0.679	0.613	0.550	0.496	0.409
1.041	1.039	0.978	0.936	0.899	0.859	0.818	0.774	0.731	0.686	0.638	0.586	0.534	0.486	0.405
1.063	1.039	0.963	0.915	0.877	0.840	0.800	0.760	0.716	0.671	0.623	0.574	0.527	0.487	0.412
0.000	1.048	0.954	0.904	0.866	0.830	0.794	0.754	0.710	0.663	0.615	0.567	0.522	0.491	0.000
1.049	1.023	0.945	0.897	0.859	0.827	0.795	0.757	0.712	0.661	0.611	0.563	0.517	0.478	0.406
1.013	1.003	0.938	0.891	0.857	0.828	0.809	0.788	0.724	0.662	0.608	0.559	0.512	0.468	0.390
1.003	0.996	0.931	0.887	0.853	0.827	0.826	0.000	0.739	0.660	0.605	0.554	0.508	0.463	0.385
1.007	0.997	0.931	0.884	0.849	0.821	0.802	0.780	0.716	0.654	0.600	0.551	0.505	0.460	0.383
1.037	1.009	0.931	0.883	0.844	0.812	0.780	0.742	0.696	0.646	0.596	0.548	0.502	0.463	0.391
0.000	1.027	0.933	0.881	0.842	0.807	0.769	0.730	0.686	0.640	0.591	0.544	0.500	0.467	0.000
1.040	1.012	0.933	0.884	0.845	0.808	0.768	0.726	0.684	0.638	0.590	0.542	0.495	0.454	0.382
1.018	1.005	0.940	0.895	0.857	0.816	0.774	0.731	0.688	0.642	0.595	0.544	0.492	0.445	0.367
1.027	1.020	0.961	0.928	0.901	0.844	0.791	0.745	0.700	0.661	0.620	0.556	0.496	0.442	0.361
1.065	0.969	0.918	0.900	0.000	0.818	0.752	0.705	0.664	0.635	0.000	0.531	0.464	0.410	0.363

ASSEMBLY LABEL: D009 SERIAL = D009 IA,JA,K = 11,16,13 SEG TYPE/ROT 10/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.626 ASSEM RPD = 0.619 PLANAR RPD = 0.577 AVE/PEAK GWD/T = 4.66/ 8.52
PEAK PIN = 1.139 MAX PIN XY = 1.061 MAX CHA = 1.002 PEAK KW/FT = 5.109
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 167.621

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.061 LOCATION = 1, 1

1.061	0.969	0.918	0.901	0.000	0.819	0.753	0.704	0.664	0.636	0.000	0.531	0.462	0.405	0.355
0.983	0.996	0.945	0.914	0.889	0.831	0.777	0.729	0.685	0.644	0.603	0.537	0.476	0.420	0.336
0.949	0.963	0.906	0.865	0.827	0.786	0.741	0.696	0.652	0.606	0.557	0.505	0.453	0.404	0.325
0.953	0.952	0.884	0.837	0.797	0.757	0.716	0.673	0.628	0.581	0.533	0.484	0.437	0.395	0.323
0.000	0.950	0.867	0.816	0.775	0.736	0.697	0.654	0.609	0.562	0.514	0.467	0.422	0.388	0.000
0.919	0.915	0.846	0.797	0.756	0.719	0.683	0.642	0.595	0.545	0.496	0.449	0.405	0.367	0.301
0.874	0.883	0.824	0.777	0.737	0.702	0.677	0.650	0.587	0.528	0.477	0.431	0.387	0.347	0.280
0.851	0.861	0.801	0.754	0.714	0.681	0.669	0.000	0.578	0.507	0.456	0.411	0.369	0.330	0.266
0.840	0.843	0.780	0.730	0.688	0.652	0.624	0.596	0.536	0.480	0.432	0.390	0.351	0.315	0.255
0.846	0.831	0.758	0.704	0.659	0.618	0.580	0.539	0.495	0.449	0.407	0.367	0.331	0.301	0.250
0.000	0.820	0.733	0.676	0.628	0.585	0.543	0.501	0.459	0.419	0.379	0.342	0.309	0.287	0.000
0.802	0.779	0.703	0.647	0.598	0.553	0.509	0.468	0.427	0.388	0.351	0.316	0.285	0.261	0.219
0.756	0.743	0.675	0.621	0.572	0.524	0.478	0.435	0.396	0.359	0.324	0.291	0.261	0.236	0.197
0.732	0.719	0.655	0.606	0.563	0.503	0.450	0.405	0.367	0.334	0.305	0.269	0.238	0.215	0.180
0.726	0.647	0.589	0.548	0.000	0.446	0.388	0.345	0.310	0.285	0.000	0.228	0.199	0.179	0.167

ASSEMBLY LABEL: D01Z SERIAL = D01Z IA,JA,K = 12,15,13 SEG TYPE/ROT 6/ 3
BATCH = 6 216 PINS
ASSEM RPF = 0.887 ASSEM RPD = 0.876 PLANAR RPD = 0.816 AVE/PEAK GWD/T = 6.68/10.87
PEAK PIN = 1.340 MAX PIN XY = 1.249 MAX CHA = 1.187 PEAK KW/FT = 6.011
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 197.220

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.249 LOCATION = 1, 1

1.249	1.125	1.067	1.056	0.000	0.998	0.943	0.910	0.888	0.885	0.000	0.818	0.763	0.729	0.716
1.201	1.175	1.105	1.073	1.058	1.010	0.967	0.934	0.905	0.884	0.862	0.809	0.762	0.727	0.649
1.184	1.152	1.071	1.025	0.992	0.958	0.926	0.894	0.861	0.828	0.793	0.752	0.713	0.681	0.605
1.200	1.150	1.055	0.999	0.962	0.929	0.898	0.865	0.831	0.794	0.755	0.714	0.678	0.650	0.582
0.000	1.158	1.042	0.982	0.943	0.911	0.880	0.847	0.810	0.769	0.727	0.686	0.648	0.628	0.000
1.173	1.123	1.025	0.967	0.929	0.899	0.871	0.839	0.797	0.751	0.705	0.661	0.619	0.587	0.515
1.129	1.093	1.008	0.954	0.916	0.890	0.875	0.859	0.798	0.736	0.685	0.638	0.593	0.552	0.472
1.108	1.076	0.993	0.940	0.902	0.877	0.881	0.000	0.799	0.721	0.666	0.617	0.571	0.526	0.445
1.103	1.066	0.981	0.926	0.888	0.860	0.843	0.825	0.762	0.700	0.648	0.598	0.552	0.507	0.427
1.121	1.069	0.972	0.914	0.873	0.840	0.809	0.773	0.729	0.680	0.631	0.582	0.536	0.497	0.422
0.000	1.078	0.964	0.904	0.861	0.825	0.790	0.752	0.710	0.665	0.618	0.570	0.524	0.491	0.000
1.101	1.051	0.957	0.900	0.858	0.820	0.783	0.744	0.703	0.658	0.611	0.563	0.515	0.472	0.396
1.072	1.040	0.961	0.912	0.873	0.832	0.791	0.750	0.709	0.666	0.620	0.568	0.514	0.464	0.380
1.081	1.061	0.994	0.958	0.934	0.876	0.823	0.779	0.737	0.700	0.662	0.596	0.531	0.472	0.379
1.135	1.039	0.985	0.964	0.000	0.884	0.820	0.773	0.735	0.707	0.000	0.600	0.527	0.461	0.393

ASSEMBLY LABEL: D00D SERIAL = D00D IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.548 ASSEM RPD = 0.541 PLANAR RPD = 0.504 AVE/PEAK GWD/T = 3.99/ 8.94
PEAK PIN = 1.237 MAX PIN XY = 1.153 MAX CHA = 1.069 PEAK KW/FT = 5.552
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 182.156

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.153 LOCATION = 1, 1

1.153	1.047	0.988	0.966	0.000	0.881	0.813	0.765	0.726	0.699	0.000	0.591	0.516	0.451	0.384
1.049	1.025	0.954	0.912	0.887	0.827	0.774	0.730	0.689	0.653	0.617	0.554	0.494	0.439	0.349
0.993	0.956	0.873	0.820	0.779	0.738	0.699	0.659	0.620	0.581	0.540	0.494	0.447	0.404	0.329
0.974	0.917	0.822	0.764	0.722	0.685	0.649	0.613	0.576	0.537	0.497	0.456	0.417	0.384	0.320
0.000	0.893	0.783	0.724	0.683	0.647	0.614	0.580	0.543	0.505	0.467	0.429	0.394	0.369	0.000
0.891	0.835	0.743	0.688	0.648	0.617	0.588	0.557	0.519	0.480	0.442	0.405	0.371	0.343	0.288
0.824	0.782	0.705	0.653	0.617	0.589	0.571	0.552	0.503	0.457	0.418	0.382	0.350	0.319	0.264
0.776	0.739	0.666	0.618	0.583	0.559	0.553	0.000	0.488	0.432	0.394	0.360	0.329	0.300	0.247
0.738	0.699	0.627	0.582	0.547	0.523	0.505	0.489	0.445	0.404	0.369	0.338	0.308	0.282	0.234
0.711	0.663	0.589	0.543	0.510	0.484	0.460	0.434	0.404	0.373	0.343	0.314	0.289	0.267	0.225
0.000	0.628	0.548	0.503	0.472	0.446	0.421	0.396	0.371	0.344	0.317	0.291	0.268	0.252	0.000
0.603	0.564	0.502	0.463	0.434	0.410	0.386	0.363	0.340	0.316	0.292	0.268	0.246	0.228	0.193
0.527	0.503	0.455	0.424	0.400	0.376	0.354	0.332	0.311	0.290	0.269	0.247	0.225	0.206	0.172
0.461	0.447	0.412	0.390	0.375	0.348	0.323	0.303	0.285	0.269	0.254	0.229	0.207	0.188	0.157
0.392	0.357	0.336	0.326	0.000	0.293	0.268	0.251	0.237	0.228	0.000	0.195	0.173	0.158	0.146

Cycle 03 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								G135
14								G307
16								G139
17							G141	
19							G145	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: G135 SERIAL = G135 IA,JA,K = 9,16,13 SEG TYPE/ROT 9/ 3
BATCH = 10 208 PINS
ASSEM RPF = 1.011 ASSEM RPD = 1.024 PLANAR RPD = 0.976 AVE/PEAK GWD/T = 6.63/ 9.18
PEAK PIN = 1.403 MAX PIN XY = 1.337 MAX CHA = 1.318 PEAK KW/FT = 7.333
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 240.575

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.337 LOCATION = 10, 2

1.241	1.166	1.132	1.131	0.000	1.074	1.004	0.954	0.915	0.890	0.000	0.763	0.678	0.608	0.546
1.175	1.109	1.074	1.223	1.228	1.205	1.117	1.054	1.019	1.000	0.924	0.829	0.649	0.588	0.532
1.154	1.087	1.166	1.182	1.199	0.000	1.116	1.032	1.017	0.000	0.903	0.802	0.707	0.580	0.530
1.175	1.261	1.203	1.161	1.143	1.134	1.062	1.004	0.968	0.941	0.860	0.788	0.730	0.674	0.543
0.000	1.298	1.251	1.170	1.115	1.074	1.031	0.986	0.940	0.891	0.838	0.793	0.758	0.694	0.000
1.181	1.313	0.000	1.198	1.108	1.063	1.026	0.985	0.935	0.881	0.832	0.811	0.000	0.701	0.546
1.148	1.266	1.247	1.166	1.104	1.066	1.045	1.025	0.951	0.882	0.828	0.787	0.752	0.674	0.529
1.144	1.251	1.208	1.154	1.105	1.070	1.072	0.000	0.976	0.885	0.827	0.778	0.727	0.664	0.525
1.159	1.278	1.257	1.175	1.111	1.072	1.050	1.029	0.955	0.885	0.830	0.789	0.754	0.676	0.531
1.205	1.337	0.000	1.217	1.123	1.075	1.036	0.993	0.942	0.887	0.837	0.815	0.000	0.705	0.549
0.000	1.334	1.282	1.196	1.136	1.093	1.046	0.999	0.950	0.900	0.845	0.800	0.764	0.699	0.000
1.218	1.305	1.242	1.195	1.172	1.160	1.084	1.022	0.983	0.953	0.870	0.796	0.737	0.681	0.549
1.200	1.133	1.212	1.224	1.238	0.000	1.143	1.055	1.036	0.000	0.916	0.813	0.716	0.588	0.538
1.217	1.158	1.123	1.275	1.277	1.246	1.152	1.083	1.043	1.020	0.942	0.843	0.660	0.597	0.541
1.262	1.212	1.185	1.186	0.000	1.119	1.042	0.987	0.942	0.915	0.000	0.781	0.693	0.621	0.555

ASSEMBLY LABEL: G307 SERIAL = G307 IA,JA,K = 10,16,13 SEG TYPE/ROT 12/ 3
BATCH = 12 208 PINS
ASSEM RPF = 1.026 ASSEM RPD = 1.040 PLANAR RPD = 0.991 AVE/PEAK GWD/T = 6.70/ 9.78
PEAK PIN = 1.474 MAX PIN XY = 1.404 MAX CHA = 1.373 PEAK KW/FT = 7.701
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 252.644

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.404 LOCATION = 10, 2

1.263	1.214	1.187	1.187	0.000	1.120	1.044	0.989	0.945	0.917	0.000	0.783	0.694	0.622	0.555
1.229	1.170	1.134	1.285	1.285	1.254	1.158	1.089	1.048	1.023	0.944	0.844	0.661	0.597	0.539
1.226	1.156	1.236	1.246	1.256	0.000	1.156	1.059	1.045	0.000	0.919	0.814	0.716	0.588	0.536
1.258	1.345	1.278	1.220	1.197	1.179	1.099	1.034	0.991	0.959	0.873	0.797	0.737	0.680	0.547
0.000	1.387	1.328	1.235	1.166	1.116	1.064	1.012	0.959	0.906	0.849	0.801	0.763	0.697	0.000
1.270	1.403	0.000	1.261	1.157	1.102	1.057	1.008	0.952	0.893	0.840	0.816	0.000	0.701	0.546
1.232	1.349	1.319	1.223	1.149	1.101	1.072	1.046	0.965	0.891	0.833	0.789	0.752	0.671	0.526
1.223	1.329	1.274	1.206	1.146	1.102	1.096	0.000	0.986	0.890	0.828	0.775	0.722	0.658	0.519
1.234	1.350	1.318	1.222	1.146	1.097	1.068	1.041	0.960	0.885	0.827	0.783	0.745	0.664	0.520
1.275	1.404	0.000	1.257	1.152	1.095	1.048	0.998	0.941	0.881	0.827	0.802	0.000	0.686	0.532
0.000	1.390	1.326	1.229	1.157	1.104	1.050	0.996	0.942	0.887	0.828	0.779	0.740	0.674	0.000
1.271	1.349	1.274	1.211	1.183	1.161	1.078	1.011	0.966	0.931	0.844	0.768	0.706	0.648	0.518
1.245	1.160	1.230	1.232	1.235	0.000	1.126	1.027	1.008	0.000	0.878	0.773	0.676	0.551	0.498
1.262	1.177	1.126	1.264	1.255	1.217	1.117	1.044	0.998	0.969	0.888	0.788	0.612	0.548	0.491
1.325	1.230	1.177	1.160	0.000	1.073	0.992	0.933	0.885	0.852	0.000	0.714	0.627	0.556	0.492

ASSEMBLY LABEL: G139 SERIAL = G139 IA,JA,K = 11,16,13 SEG TYPE/ROT 9/ 3
BATCH = 10 208 PINS
ASSEM RPF = 0.803 ASSEM RPD = 0.814 PLANAR RPD = 0.776 AVE/PEAK GWD/T = 5.20/ 8.84
PEAK PIN = 1.390 MAX PIN XY = 1.325 MAX CHA = 1.256 PEAK KW/FT = 7.264
@ 1, 1 @ 1, 1 @ 5, 2 PEAK W/CM = 238.318

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.325 LOCATION = 1, 1

1.325	1.232	1.181	1.165	0.000	1.076	0.991	0.930	0.880	0.845	0.000	0.705	0.616	0.544	0.478
1.236	1.155	1.104	1.248	1.238	1.197	1.095	1.019	0.972	0.942	0.859	0.758	0.580	0.516	0.456
1.194	1.113	1.183	1.183	1.186	0.000	1.074	0.979	0.953	0.000	0.822	0.718	0.621	0.497	0.443
1.193	1.272	1.197	1.138	1.104	1.083	0.999	0.931	0.885	0.849	0.762	0.687	0.625	0.566	0.440
0.000	1.283	1.217	1.121	1.051	0.999	0.944	0.889	0.835	0.780	0.721	0.671	0.630	0.565	0.000
1.147	1.267	0.000	1.119	1.016	0.959	0.911	0.861	0.804	0.745	0.692	0.664	0.000	0.550	0.413
1.085	1.186	1.149	1.054	0.980	0.929	0.896	0.864	0.788	0.717	0.662	0.618	0.580	0.507	0.385
1.051	1.137	1.076	1.007	0.945	0.898	0.883	0.000	0.774	0.688	0.631	0.582	0.533	0.477	0.365
1.034	1.123	1.081	0.985	0.911	0.859	0.824	0.792	0.719	0.652	0.600	0.560	0.525	0.460	0.351
1.040	1.134	0.000	0.977	0.877	0.819	0.769	0.720	0.667	0.614	0.568	0.543	0.000	0.452	0.343
0.000	1.084	1.010	0.912	0.840	0.785	0.730	0.677	0.628	0.580	0.533	0.493	0.463	0.418	0.000
0.974	1.014	0.929	0.861	0.815	0.780	0.703	0.642	0.599	0.566	0.503	0.450	0.410	0.374	0.298
0.920	0.832	0.855	0.828	0.803	0.000	0.684	0.606	0.576	0.000	0.479	0.415	0.360	0.292	0.267
0.893	0.806	0.741	0.804	0.764	0.711	0.625	0.561	0.518	0.490	0.437	0.382	0.293	0.265	0.244
0.887	0.799	0.732	0.687	0.000	0.573	0.503	0.450	0.409	0.380	0.000	0.305	0.267	0.242	0.225

ASSEMBLY LABEL: G141 SERIAL = G141 IA,JA,K = 12,15,13 SEG TYPE/ROT 10/ 3
BATCH = 10 208 PINS
ASSEM RPF = 1.020 ASSEM RPD = 1.034 PLANAR RPD = 0.985 AVE/PEAK GWD/T = 6.61/ 9.55
PEAK PIN = 1.445 MAX PIN XY = 1.377 MAX CHA = 1.349 PEAK KW/FT = 7.550
@ 5, 2 @ 5, 2 @ 5, 1 PEAK W/CM = 247.696

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.377 LOCATION = 5, 2

1.340	1.231	1.181	1.180	0.000	1.140	1.083	1.052	1.035	1.040	0.000	0.970	0.913	0.882	0.873
1.304	1.185	1.126	1.275	1.284	1.270	1.195	1.148	1.134	1.143	1.093	1.019	0.838	0.807	0.794
1.294	1.165	1.221	1.226	1.244	0.000	1.179	1.108	1.113	0.000	1.038	0.953	0.875	0.757	0.741
1.314	1.347	1.252	1.194	1.173	1.172	1.108	1.061	1.040	1.029	0.961	0.905	0.866	0.835	0.711
0.000	1.377	1.288	1.191	1.131	1.096	1.059	1.024	0.988	0.952	0.911	0.881	0.864	0.818	0.000
1.296	1.373	0.000	1.204	1.110	1.068	1.037	1.004	0.963	0.918	0.880	0.871	0.000	0.787	0.633
1.247	1.307	1.252	1.155	1.090	1.053	1.038	1.024	0.958	0.897	0.851	0.819	0.793	0.722	0.580
1.224	1.273	1.195	1.126	1.073	1.039	1.045	0.000	0.961	0.878	0.826	0.783	0.738	0.681	0.545
1.221	1.279	1.223	1.127	1.060	1.022	1.003	0.988	0.920	0.856	0.807	0.771	0.739	0.665	0.524
1.244	1.315	0.000	1.145	1.052	1.006	0.971	0.933	0.887	0.838	0.793	0.773	0.000	0.667	0.518
0.000	1.294	1.206	1.108	1.047	1.005	0.963	0.920	0.878	0.832	0.782	0.739	0.704	0.641	0.000
1.221	1.248	1.154	1.093	1.064	1.051	0.983	0.928	0.893	0.866	0.790	0.721	0.665	0.609	0.483
1.195	1.071	1.118	1.113	1.117	0.000	1.029	0.950	0.934	0.000	0.825	0.730	0.638	0.517	0.463
1.209	1.097	1.037	1.166	1.161	1.128	1.043	0.981	0.946	0.925	0.855	0.762	0.591	0.526	0.462
1.272	1.175	1.125	1.109	0.000	1.038	0.969	0.919	0.879	0.852	0.000	0.725	0.639	0.560	0.477

ASSEMBLY LABEL: G145 SERIAL = G145 IA,JA,K = 13,15,13 SEG TYPE/ROT 10/ 0
BATCH = 10 208 PINS
ASSEM RPF = 0.648 ASSEM RPD = 0.656 PLANAR RPD = 0.626 AVE/PEAK GWD/T = 4.11/ 8.37
PEAK PIN = 1.353 MAX PIN XY = 1.289 MAX CHA = 1.178 PEAK KW/FT = 7.068
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 231.902

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.289 LOCATION = 1, 1

1.289	1.182	1.125	1.107	0.000	1.031	0.958	0.905	0.865	0.838	0.000	0.712	0.626	0.548	0.466
1.183	1.058	0.990	1.117	1.107	1.071	0.983	0.921	0.885	0.867	0.799	0.711	0.545	0.486	0.427
1.126	0.990	1.026	1.012	1.009	0.000	0.916	0.839	0.823	0.000	0.723	0.637	0.557	0.449	0.404
1.108	1.117	1.012	0.945	0.910	0.892	0.824	0.772	0.738	0.713	0.647	0.589	0.543	0.499	0.393
0.000	1.107	1.009	0.910	0.846	0.803	0.760	0.720	0.679	0.640	0.597	0.562	0.536	0.488	0.000
1.031	1.071	0.000	0.891	0.803	0.756	0.720	0.683	0.642	0.601	0.563	0.546	0.000	0.468	0.358
0.957	0.983	0.916	0.824	0.760	0.720	0.696	0.676	0.620	0.569	0.530	0.501	0.477	0.425	0.329
0.905	0.921	0.839	0.772	0.719	0.683	0.676	0.000	0.601	0.538	0.499	0.466	0.433	0.395	0.308
0.865	0.885	0.823	0.738	0.679	0.642	0.620	0.601	0.550	0.504	0.470	0.444	0.423	0.377	0.292
0.837	0.866	0.000	0.713	0.639	0.600	0.569	0.538	0.504	0.470	0.441	0.428	0.000	0.367	0.282
0.000	0.798	0.722	0.646	0.597	0.563	0.530	0.499	0.470	0.441	0.411	0.386	0.368	0.337	0.000
0.711	0.709	0.636	0.588	0.562	0.546	0.501	0.466	0.444	0.428	0.386	0.352	0.325	0.301	0.241
0.624	0.543	0.556	0.542	0.535	0.000	0.477	0.434	0.423	0.000	0.369	0.325	0.286	0.234	0.215
0.546	0.485	0.448	0.498	0.488	0.468	0.425	0.395	0.377	0.368	0.338	0.301	0.234	0.213	0.196
0.464	0.426	0.402	0.393	0.000	0.358	0.329	0.308	0.293	0.283	0.000	0.242	0.216	0.197	0.182

Cycle 04 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								H132
14								H135
16								H139
17							H141	
19							H152	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: H132 SERIAL = H132 IA,JA,K = 9,16,13 SEG TYPE/ROT 9/ 3
BATCH = 13 208 PINS
ASSEM RPF = 1.032 ASSEM RPD = 1.043 PLANAR RPD = 0.980 AVE/PEAK GWD/T = 5.83/ 7.84
PEAK PIN = 1.391 MAX PIN XY = 1.307 MAX CHA = 1.288 PEAK KW/FT = 7.281
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 238.892

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.307 LOCATION = 10, 2

1.262	1.188	1.160	1.169	0.000	1.120	1.047	0.997	0.959	0.938	0.000	0.805	0.714	0.642	0.583
1.189	1.129	1.103	1.213	1.229	1.210	1.122	1.060	1.028	1.013	0.938	0.840	0.685	0.621	0.568
1.169	1.110	1.080	1.176	1.201	0.000	1.124	1.040	1.030	0.000	0.918	0.814	0.673	0.614	0.566
1.194	1.237	1.191	1.155	1.141	1.139	1.068	1.012	0.978	0.954	0.872	0.799	0.742	0.687	0.582
0.000	1.278	1.240	1.164	1.112	1.076	1.035	0.992	0.948	0.901	0.849	0.805	0.772	0.709	0.000
1.199	1.292	0.000	1.193	1.104	1.063	1.029	0.990	0.942	0.889	0.841	0.823	0.000	0.715	0.584
1.160	1.240	1.233	1.157	1.099	1.064	1.047	1.031	0.958	0.889	0.836	0.797	0.765	0.685	0.564
1.154	1.223	1.189	1.142	1.098	1.067	1.074	0.000	0.982	0.890	0.834	0.785	0.735	0.673	0.559
1.168	1.247	1.239	1.161	1.102	1.066	1.048	1.032	0.958	0.888	0.835	0.796	0.764	0.685	0.564
1.215	1.307	0.000	1.202	1.110	1.067	1.031	0.991	0.942	0.888	0.840	0.822	0.000	0.715	0.585
0.000	1.299	1.257	1.176	1.121	1.082	1.039	0.994	0.948	0.900	0.847	0.803	0.771	0.708	0.000
1.222	1.264	1.213	1.172	1.154	1.148	1.073	1.014	0.979	0.953	0.870	0.797	0.740	0.686	0.582
1.196	1.137	1.103	1.197	1.218	0.000	1.131	1.044	1.031	0.000	0.916	0.812	0.672	0.614	0.567
1.208	1.157	1.130	1.240	1.251	1.226	1.133	1.067	1.032	1.015	0.939	0.839	0.684	0.621	0.569
1.257	1.210	1.190	1.199	0.000	1.142	1.063	1.009	0.968	0.944	0.000	0.809	0.718	0.646	0.585

ASSEMBLY LABEL: H135 SERIAL = H135 IA,JA,K = 10,16,13 SEG TYPE/ROT 9/ 3
BATCH = 13 208 PINS
ASSEM RPF = 1.033 ASSEM RPD = 1.045 PLANAR RPD = 0.981 AVE/PEAK GWD/T = 5.78/ 8.16
PEAK PIN = 1.436 MAX PIN XY = 1.349 MAX CHA = 1.322 PEAK KW/FT = 7.515
@ 6, 2 @ 6, 2 @ 5, 2 PEAK W/CM = 246.562

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.349 LOCATION = 6, 2

1.266	1.216	1.195	1.203	0.000	1.144	1.064	1.009	0.967	0.943	0.000	0.808	0.716	0.645	0.584
1.231	1.171	1.140	1.248	1.256	1.230	1.135	1.068	1.031	1.013	0.936	0.837	0.682	0.619	0.566
1.229	1.158	1.117	1.208	1.226	0.000	1.134	1.044	1.030	0.000	0.913	0.809	0.668	0.610	0.563
1.264	1.293	1.233	1.186	1.163	1.154	1.077	1.015	0.978	0.951	0.866	0.793	0.735	0.681	0.577
0.000	1.335	1.283	1.193	1.133	1.089	1.042	0.995	0.946	0.896	0.842	0.798	0.764	0.702	0.000
1.270	1.349	0.000	1.222	1.124	1.075	1.035	0.992	0.939	0.884	0.834	0.815	0.000	0.706	0.577
1.227	1.292	1.271	1.183	1.116	1.074	1.052	1.032	0.954	0.883	0.828	0.787	0.754	0.675	0.555
1.217	1.271	1.223	1.165	1.113	1.076	1.078	0.000	0.977	0.883	0.824	0.774	0.723	0.660	0.547
1.228	1.292	1.270	1.181	1.114	1.072	1.049	1.028	0.951	0.878	0.823	0.782	0.748	0.668	0.549
1.273	1.348	0.000	1.219	1.119	1.070	1.029	0.985	0.932	0.875	0.825	0.804	0.000	0.693	0.564
0.000	1.335	1.279	1.188	1.126	1.081	1.032	0.983	0.933	0.882	0.827	0.780	0.745	0.681	0.000
1.271	1.293	1.228	1.178	1.152	1.141	1.061	0.998	0.958	0.929	0.843	0.768	0.709	0.652	0.549
1.242	1.158	1.110	1.195	1.208	0.000	1.111	1.019	1.002	0.000	0.879	0.775	0.635	0.576	0.526
1.258	1.174	1.130	1.229	1.230	1.199	1.101	1.032	0.991	0.968	0.889	0.789	0.637	0.572	0.518
1.325	1.228	1.183	1.176	0.000	1.102	1.019	0.960	0.915	0.886	0.000	0.745	0.653	0.581	0.520

ASSEMBLY LABEL: H139 SERIAL = H139 IA,JA,K = 11,16,13 SEG TYPE/ROT 9/ 3
BATCH = 13 208 PINS
ASSEM RPF = 0.828 ASSEM RPD = 0.838 PLANAR RPD = 0.787 AVE/PEAK GWD/T = 4.50/ 7.54
PEAK PIN = 1.404 MAX PIN XY = 1.319 MAX CHA = 1.238 PEAK KW/FT = 7.350
@ 1, 1 @ 1, 1 @ 5, 2 PEAK W/CM = 241.127

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.319 LOCATION = 1, 1

1.319	1.229	1.186	1.181	0.000	1.105	1.020	0.960	0.913	0.883	0.000	0.739	0.645	0.571	0.507
1.230	1.155	1.115	1.217	1.218	1.184	1.084	1.012	0.969	0.945	0.863	0.761	0.608	0.541	0.482
1.194	1.122	1.077	1.162	1.173	0.000	1.070	0.976	0.956	0.000	0.829	0.723	0.585	0.523	0.468
1.205	1.238	1.175	1.124	1.095	1.079	0.997	0.931	0.888	0.855	0.768	0.693	0.632	0.572	0.469
0.000	1.259	1.204	1.111	1.045	0.997	0.944	0.891	0.839	0.785	0.728	0.678	0.639	0.573	0.000
1.173	1.250	0.000	1.115	1.014	0.960	0.913	0.865	0.809	0.751	0.699	0.673	0.000	0.560	0.442
1.114	1.174	1.146	1.053	0.982	0.932	0.901	0.872	0.795	0.724	0.669	0.626	0.589	0.515	0.411
1.084	1.131	1.075	1.009	0.949	0.903	0.892	0.000	0.783	0.695	0.638	0.590	0.541	0.485	0.391
1.074	1.123	1.088	0.992	0.919	0.867	0.833	0.802	0.728	0.660	0.608	0.568	0.535	0.469	0.376
1.090	1.143	0.000	0.989	0.887	0.829	0.779	0.730	0.676	0.623	0.576	0.553	0.000	0.463	0.370
0.000	1.099	1.026	0.926	0.853	0.797	0.741	0.688	0.638	0.589	0.542	0.502	0.474	0.428	0.000
1.032	1.028	0.946	0.877	0.830	0.796	0.716	0.653	0.610	0.578	0.512	0.459	0.419	0.384	0.323
0.977	0.884	0.817	0.847	0.823	0.000	0.700	0.619	0.589	0.000	0.491	0.424	0.344	0.312	0.290
0.954	0.861	0.794	0.825	0.788	0.732	0.641	0.575	0.531	0.503	0.449	0.392	0.314	0.285	0.264
0.962	0.863	0.791	0.745	0.000	0.622	0.544	0.486	0.442	0.412	0.000	0.331	0.290	0.263	0.245

ASSEMBLY LABEL: H141 SERIAL = H141 IA,JA,K = 12,15,13 SEG TYPE/ROT 13/ 3
BATCH = 13 208 PINS
ASSEM RPF = 1.128 ASSEM RPD = 1.140 PLANAR RPD = 1.071 AVE/PEAK GWD/T = 5.99/ 8.74
PEAK PIN = 1.599 MAX PIN XY = 1.501 MAX CHA = 1.463 PEAK KW/FT = 8.366
@ 15, 1 @ 15, 1 @ 5, 1 PEAK W/CM = 274.489

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.501 LOCATION = 15, 1

1.432	1.302	1.249	1.253	0.000	1.217	1.155	1.122	1.107	1.116	0.000	1.044	0.980	0.950	0.949
1.404	1.265	1.204	1.312	1.327	1.315	1.236	1.187	1.175	1.188	1.135	1.056	0.905	0.872	0.864
1.406	1.259	1.188	1.275	1.299	0.000	1.233	1.156	1.164	0.000	1.088	0.997	0.856	0.824	0.811
1.447	1.413	1.314	1.255	1.234	1.234	1.166	1.116	1.094	1.085	1.012	0.952	0.912	0.879	0.786
0.000	1.463	1.367	1.261	1.199	1.160	1.121	1.084	1.047	1.008	0.965	0.933	0.917	0.868	0.000
1.455	1.471	0.000	1.287	1.185	1.139	1.106	1.069	1.026	0.978	0.936	0.929	0.000	0.840	0.708
1.408	1.408	1.348	1.241	1.171	1.130	1.114	1.101	1.028	0.961	0.911	0.876	0.850	0.774	0.651
1.392	1.380	1.293	1.218	1.160	1.123	1.130	0.000	1.039	0.945	0.890	0.842	0.794	0.732	0.616
1.399	1.397	1.334	1.227	1.153	1.110	1.091	1.073	0.998	0.928	0.873	0.834	0.801	0.719	0.596
1.440	1.449	0.000	1.257	1.150	1.099	1.060	1.018	0.966	0.912	0.862	0.842	0.000	0.728	0.594
0.000	1.435	1.332	1.220	1.152	1.104	1.056	1.009	0.960	0.910	0.855	0.808	0.771	0.704	0.000
1.427	1.386	1.279	1.210	1.176	1.162	1.083	1.021	0.983	0.954	0.868	0.792	0.730	0.669	0.560
1.398	1.243	1.163	1.237	1.242	0.000	1.140	1.050	1.034	0.000	0.912	0.805	0.659	0.595	0.538
1.419	1.277	1.205	1.300	1.295	1.258	1.158	1.088	1.049	1.027	0.949	0.843	0.680	0.606	0.538
1.501	1.378	1.315	1.300	0.000	1.215	1.130	1.069	1.022	0.992	0.000	0.843	0.740	0.650	0.560

ASSEMBLY LABEL: H152 SERIAL = H152 IA,JA,K = 13,15,13 SEG TYPE/ROT 13/ 0
BATCH = 13 208 PINS
ASSEM RPF = 0.755 ASSEM RPD = 0.764 PLANAR RPD = 0.717 AVE/PEAK GWD/T = 3.89/ 8.14
PEAK PIN = 1.611 MAX PIN XY = 1.513 MAX CHA = 1.379 PEAK KW/FT = 8.434
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 276.704

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.513 LOCATION = 1, 1

1.513	1.381	1.315	1.298	0.000	1.209	1.119	1.057	1.010	0.982	0.000	0.832	0.728	0.639	0.548
1.385	1.235	1.158	1.249	1.242	1.201	1.099	1.028	0.989	0.970	0.894	0.792	0.635	0.566	0.502
1.322	1.161	1.074	1.139	1.137	0.000	1.031	0.942	0.926	0.000	0.812	0.715	0.582	0.526	0.476
1.309	1.256	1.142	1.066	1.028	1.007	0.929	0.869	0.832	0.805	0.728	0.663	0.611	0.561	0.467
0.000	1.252	1.143	1.030	0.958	0.908	0.860	0.813	0.768	0.722	0.674	0.635	0.605	0.552	0.000
1.224	1.212	0.000	1.012	0.910	0.857	0.815	0.774	0.727	0.680	0.637	0.619	0.000	0.531	0.429
1.136	1.113	1.041	0.936	0.864	0.817	0.791	0.768	0.704	0.645	0.601	0.568	0.542	0.483	0.393
1.075	1.043	0.953	0.877	0.818	0.777	0.770	0.000	0.684	0.612	0.567	0.529	0.492	0.449	0.369
1.028	1.004	0.938	0.841	0.774	0.732	0.707	0.685	0.627	0.575	0.535	0.505	0.482	0.430	0.352
1.001	0.986	0.000	0.815	0.730	0.685	0.649	0.614	0.576	0.536	0.502	0.488	0.000	0.421	0.342
0.000	0.911	0.826	0.739	0.683	0.643	0.606	0.571	0.537	0.503	0.469	0.442	0.422	0.387	0.000
0.850	0.808	0.728	0.673	0.644	0.626	0.574	0.534	0.508	0.490	0.443	0.403	0.373	0.346	0.294
0.745	0.648	0.593	0.621	0.615	0.000	0.548	0.497	0.486	0.000	0.424	0.373	0.306	0.281	0.262
0.654	0.579	0.537	0.571	0.561	0.539	0.489	0.454	0.434	0.424	0.390	0.348	0.282	0.258	0.240
0.563	0.514	0.486	0.477	0.000	0.436	0.400	0.375	0.356	0.346	0.000	0.296	0.264	0.240	0.223

Cycle 05 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								I121
14								I129
16								I137
17							I261	
19							I153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 9,16,13 SEG TYPE/ROT 16/ 3
BATCH = 6 208 PINS
ASSEM RPF = 0.959 ASSEM RPD = 0.962 PLANAR RPD = 0.907 AVE/PEAK GWD/T = 6.22/ 8.55
PEAK PIN = 1.292 MAX PIN XY = 1.218 MAX CHA = 1.203 PEAK KW/FT = 6.821
@ 11, 2 @ 11, 2 @ 10, 2 PEAK W/CM = 223.799

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.218 LOCATION = 11, 2

1.083	1.096	1.061	1.064	0.000	1.016	0.949	0.903	0.868	0.849	0.000	0.730	0.649	0.586	0.489
1.109	1.039	1.007	1.105	1.116	1.096	1.017	0.961	0.931	0.918	0.851	0.762	0.622	0.566	0.517
1.086	1.019	0.986	1.070	1.090	0.000	1.020	0.944	0.935	0.000	0.833	0.741	0.612	0.560	0.515
1.108	1.136	1.088	1.052	1.038	1.036	0.972	0.921	0.891	0.869	0.794	0.729	0.677	0.627	0.530
0.000	1.174	1.133	1.061	1.014	0.981	0.945	0.906	0.866	0.823	0.776	0.736	0.706	0.648	0.000
1.114	1.187	0.000	1.090	1.010	0.973	0.942	0.907	0.863	0.816	0.772	0.756	0.000	0.656	0.535
1.081	1.144	1.132	1.060	1.008	0.977	0.962	0.948	0.881	0.818	0.770	0.734	0.704	0.630	0.518
1.078	1.131	1.096	1.051	1.011	0.983	0.991	0.000	0.907	0.823	0.771	0.726	0.680	0.622	0.515
1.096	1.159	1.146	1.073	1.019	0.986	0.971	0.956	0.888	0.825	0.775	0.739	0.708	0.634	0.521
1.144	1.218	0.000	1.115	1.031	0.992	0.960	0.923	0.877	0.828	0.783	0.766	0.000	0.664	0.542
0.000	1.218	1.174	1.097	1.046	1.010	0.971	0.930	0.887	0.842	0.793	0.751	0.720	0.661	0.000
1.162	1.193	1.139	1.099	1.082	1.077	1.008	0.953	0.920	0.895	0.817	0.749	0.695	0.643	0.543
1.145	1.078	1.043	1.130	1.147	0.000	1.067	0.985	0.973	0.000	0.864	0.767	0.633	0.577	0.531
1.164	1.104	1.073	1.177	1.186	1.161	1.074	1.011	0.978	0.961	0.889	0.794	0.647	0.587	0.535
1.113	1.160	1.136	1.143	0.000	1.087	1.012	0.960	0.920	0.897	0.000	0.767	0.680	0.612	0.507

ASSEMBLY LABEL: I129 SERIAL = I129 IA,JA,K = 10,16,13 SEG TYPE/ROT 16/ 3
BATCH = 6 208 PINS
ASSEM RPF = 1.013 ASSEM RPD = 1.015 PLANAR RPD = 0.958 AVE/PEAK GWD/T = 6.51/ 9.25
PEAK PIN = 1.436 MAX PIN XY = 1.354 MAX CHA = 1.329 PEAK KW/FT = 7.583
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 248.784

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.354 LOCATION = 10, 2

1.116	1.163	1.139	1.146	0.000	1.089	1.014	0.962	0.922	0.899	0.000	0.770	0.683	0.614	0.509
1.180	1.123	1.093	1.196	1.202	1.175	1.084	1.020	0.984	0.967	0.893	0.798	0.650	0.589	0.537
1.181	1.117	1.079	1.164	1.178	0.000	1.088	1.001	0.986	0.000	0.872	0.773	0.637	0.581	0.534
1.222	1.256	1.198	1.150	1.126	1.114	1.038	0.977	0.939	0.911	0.829	0.759	0.702	0.649	0.548
0.000	1.306	1.253	1.165	1.102	1.057	1.009	0.961	0.912	0.862	0.809	0.764	0.730	0.669	0.000
1.247	1.327	0.000	1.198	1.099	1.048	1.006	0.961	0.908	0.853	0.803	0.782	0.000	0.675	0.550
1.214	1.281	1.257	1.166	1.097	1.052	1.026	1.002	0.925	0.854	0.798	0.758	0.723	0.646	0.531
1.211	1.267	1.216	1.154	1.098	1.057	1.054	0.000	0.949	0.855	0.797	0.746	0.696	0.635	0.525
1.229	1.294	1.268	1.175	1.104	1.057	1.030	1.005	0.926	0.854	0.798	0.756	0.721	0.643	0.528
1.278	1.354	0.000	1.216	1.112	1.058	1.014	0.966	0.911	0.853	0.801	0.778	0.000	0.669	0.543
0.000	1.347	1.285	1.190	1.121	1.072	1.019	0.967	0.915	0.862	0.805	0.758	0.722	0.659	0.000
1.284	1.309	1.238	1.181	1.151	1.133	1.050	0.983	0.941	0.908	0.823	0.749	0.690	0.633	0.531
1.260	1.175	1.124	1.202	1.207	0.000	1.100	1.006	0.985	0.000	0.859	0.757	0.620	0.561	0.511
1.283	1.194	1.144	1.237	1.232	1.193	1.093	1.020	0.977	0.951	0.872	0.772	0.623	0.560	0.505
1.247	1.254	1.199	1.186	0.000	1.099	1.013	0.951	0.903	0.872	0.000	0.731	0.640	0.570	0.469

ASSEMBLY LABEL: I137 SERIAL = I137 IA,JA,K = 11,16,13 SEG TYPE/ROT 16/ 3
BATCH = 6 208 PINS
ASSEM RPF = 0.834 ASSEM RPD = 0.835 PLANAR RPD = 0.788 AVE/PEAK GWD/T = 5.14/ 8.56
PEAK PIN = 1.362 MAX PIN XY = 1.285 MAX CHA = 1.262 PEAK KW/FT = 7.193
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 235.998

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.285 LOCATION = 5, 2

1.244	1.259	1.206	1.194	0.000	1.106	1.016	0.953	0.903	0.870	0.000	0.725	0.632	0.560	0.455
1.267	1.183	1.134	1.231	1.224	1.185	1.081	1.006	0.960	0.933	0.850	0.748	0.597	0.531	0.473
1.228	1.147	1.096	1.176	1.180	0.000	1.068	0.971	0.947	0.000	0.817	0.712	0.575	0.514	0.459
1.236	1.265	1.195	1.137	1.103	1.083	0.996	0.928	0.882	0.847	0.760	0.684	0.622	0.562	0.459
0.000	1.285	1.222	1.124	1.054	1.001	0.945	0.890	0.835	0.780	0.721	0.671	0.630	0.564	0.000
1.201	1.274	0.000	1.128	1.023	0.964	0.915	0.865	0.806	0.747	0.694	0.665	0.000	0.551	0.434
1.139	1.195	1.163	1.065	0.989	0.937	0.903	0.872	0.793	0.721	0.664	0.620	0.582	0.508	0.404
1.107	1.150	1.090	1.021	0.957	0.909	0.894	0.000	0.782	0.693	0.635	0.585	0.536	0.479	0.385
1.094	1.141	1.102	1.003	0.926	0.872	0.836	0.802	0.727	0.659	0.605	0.564	0.530	0.464	0.371
1.107	1.158	0.000	0.999	0.894	0.833	0.782	0.732	0.676	0.622	0.575	0.550	0.000	0.458	0.365
0.000	1.112	1.037	0.934	0.859	0.801	0.744	0.690	0.638	0.589	0.540	0.500	0.470	0.424	0.000
1.044	1.039	0.954	0.884	0.835	0.799	0.719	0.655	0.611	0.577	0.512	0.458	0.417	0.381	0.319
0.986	0.891	0.823	0.852	0.827	0.000	0.701	0.620	0.589	0.000	0.490	0.424	0.343	0.311	0.287
0.962	0.867	0.797	0.828	0.790	0.732	0.642	0.576	0.531	0.502	0.449	0.391	0.313	0.284	0.263
0.885	0.866	0.792	0.746	0.000	0.621	0.543	0.486	0.442	0.412	0.000	0.330	0.290	0.263	0.224

ASSEMBLY LABEL: I261 SERIAL = I261 IA,JA,K = 12,15,13 SEG TYPE/ROT 7/ 3
BATCH = 7 208 PINS
ASSEM RPF = 1.107 ASSEM RPD = 1.109 PLANAR RPD = 1.046 AVE/PEAK GWD/T = 6.87/ 9.75
PEAK PIN = 1.534 MAX PIN XY = 1.447 MAX CHA = 1.391 PEAK KW/FT = 8.100
@ 6, 1 @ 6, 1 @ 6, 1 PEAK W/CM = 265.764

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.447 LOCATION = 6, 1

1.308	1.192	1.272	1.267	0.000	1.226	1.162	1.129	1.112	1.119	0.000	1.042	0.979	0.953	0.741
1.276	1.290	1.344	1.316	1.331	1.317	1.236	1.187	1.175	1.186	1.132	1.050	0.992	0.882	0.863
1.392	1.275	1.320	1.275	1.297	0.000	1.228	1.152	1.159	0.000	1.080	0.987	0.934	0.900	0.802
1.424	1.289	1.319	1.253	1.229	1.228	1.159	1.108	1.086	1.077	1.004	0.942	0.900	0.868	0.776
0.000	1.329	1.370	1.257	1.190	1.151	1.111	1.073	1.036	0.997	0.954	0.923	0.905	0.856	0.000
1.447	1.327	0.000	1.276	1.172	1.126	1.091	1.056	1.012	0.965	0.924	0.917	0.000	0.828	0.697
1.392	1.397	1.335	1.227	1.155	1.114	1.096	1.083	1.011	0.945	0.896	0.862	0.836	0.761	0.640
1.369	1.363	1.276	1.199	1.140	1.103	1.108	0.000	1.018	0.927	0.873	0.826	0.779	0.719	0.604
1.374	1.377	1.313	1.204	1.130	1.087	1.067	1.049	0.975	0.906	0.854	0.816	0.783	0.704	0.583
1.378	1.312	0.000	1.229	1.124	1.073	1.034	0.993	0.943	0.890	0.841	0.822	0.000	0.710	0.580
0.000	1.365	1.306	1.192	1.122	1.075	1.028	0.982	0.935	0.886	0.832	0.786	0.750	0.684	0.000
1.393	1.315	1.250	1.178	1.145	1.128	1.052	0.992	0.954	0.926	0.845	0.770	0.708	0.649	0.544
1.336	1.241	1.218	1.204	1.208	0.000	1.105	1.017	1.002	0.000	0.889	0.783	0.707	0.638	0.523
1.242	1.228	1.200	1.225	1.221	1.122	1.122	1.052	1.015	0.901	0.836	0.743	0.662	0.592	0.469
1.139	1.204	1.253	1.259	0.000	1.145	1.088	1.028	0.985	0.958	0.000	0.799	0.703	0.565	0.486

ASSEMBLY LABEL: I153 SERIAL = I153 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 208 PINS
ASSEM RPF = 0.720 ASSEM RPD = 0.721 PLANAR RPD = 0.680 AVE/PEAK GWD/T = 4.39/ 8.51
PEAK PIN = 1.418 MAX PIN XY = 1.338 MAX CHA = 1.300 PEAK KW/FT = 7.490
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 245.730

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.338 LOCATION = 1, 1

1.338	1.337	1.269	1.250	0.000	1.162	1.076	1.016	0.971	0.943	0.000	0.800	0.702	0.617	0.483
1.336	1.189	1.113	1.200	1.191	1.151	1.053	0.986	0.947	0.928	0.856	0.759	0.609	0.544	0.482
1.268	1.114	1.030	1.091	1.088	0.000	0.985	0.901	0.884	0.000	0.776	0.683	0.556	0.503	0.455
1.250	1.201	1.092	1.018	0.981	0.961	0.886	0.829	0.793	0.768	0.695	0.632	0.582	0.535	0.445
0.000	1.193	1.089	0.981	0.912	0.864	0.818	0.773	0.730	0.687	0.642	0.604	0.576	0.525	0.000
1.164	1.153	0.000	0.962	0.865	0.814	0.773	0.733	0.689	0.644	0.605	0.588	0.000	0.504	0.406
1.078	1.056	0.988	0.888	0.819	0.774	0.745	0.720	0.663	0.611	0.570	0.539	0.514	0.457	0.372
1.018	0.989	0.904	0.831	0.775	0.734	0.720	0.000	0.640	0.578	0.537	0.502	0.466	0.424	0.349
0.973	0.951	0.887	0.796	0.732	0.690	0.664	0.640	0.589	0.542	0.505	0.478	0.456	0.406	0.331
0.945	0.932	0.000	0.771	0.690	0.646	0.612	0.579	0.542	0.506	0.475	0.461	0.000	0.397	0.322
0.000	0.859	0.779	0.698	0.644	0.607	0.572	0.538	0.506	0.475	0.443	0.416	0.398	0.365	0.000
0.802	0.762	0.687	0.636	0.607	0.591	0.541	0.503	0.479	0.462	0.417	0.380	0.351	0.325	0.276
0.703	0.612	0.559	0.585	0.579	0.000	0.516	0.468	0.457	0.000	0.399	0.352	0.288	0.265	0.246
0.618	0.546	0.506	0.538	0.528	0.507	0.460	0.427	0.408	0.398	0.366	0.326	0.265	0.242	0.225
0.485	0.485	0.457	0.447	0.000	0.409	0.374	0.351	0.334	0.324	0.000	0.277	0.247	0.226	0.192

Cycle 06 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								J121
14								J129
16								J137
17							J161	
19							J153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: J121 SERIAL = J121 IA,JA,K = 9,16,13 SEG TYPE/ROT 12/ 3
BATCH = 10 208 PINS
ASSEM RPF = 1.071 ASSEM RPD = 1.077 PLANAR RPD = 0.999 AVE/PEAK GWD/T = 6.04/ 8.28
PEAK PIN = 1.457 MAX PIN XY = 1.351 MAX CHA = 1.328 PEAK KW/FT = 7.666
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 251.516

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.351 LOCATION = 10, 2

1.230	1.250	1.209	1.209	0.000	1.147	1.068	1.013	0.972	0.949	0.000	0.812	0.720	0.648	0.538
1.261	1.185	1.147	1.257	1.264	1.238	1.144	1.078	1.042	1.025	0.948	0.847	0.690	0.625	0.570
1.235	1.162	1.123	1.215	1.234	0.000	1.146	1.057	1.044	0.000	0.926	0.821	0.677	0.618	0.567
1.258	1.296	1.239	1.193	1.173	1.166	1.090	1.030	0.992	0.965	0.880	0.807	0.747	0.690	0.582
0.000	1.335	1.287	1.201	1.143	1.101	1.056	1.010	0.962	0.912	0.857	0.811	0.777	0.712	0.000
1.259	1.346	0.000	1.229	1.134	1.088	1.050	1.007	0.955	0.900	0.850	0.830	0.000	0.718	0.584
1.217	1.292	1.276	1.192	1.128	1.088	1.067	1.048	0.971	0.900	0.845	0.804	0.769	0.688	0.564
1.207	1.271	1.229	1.175	1.126	1.091	1.095	0.000	0.996	0.901	0.842	0.792	0.740	0.676	0.558
1.220	1.294	1.278	1.193	1.129	1.089	1.067	1.048	0.971	0.899	0.844	0.803	0.768	0.687	0.563
1.264	1.351	0.000	1.233	1.136	1.089	1.050	1.007	0.955	0.899	0.849	0.828	0.000	0.717	0.583
0.000	1.342	1.292	1.205	1.146	1.103	1.057	1.009	0.961	0.910	0.856	0.810	0.775	0.710	0.000
1.263	1.303	1.245	1.198	1.177	1.169	1.091	1.029	0.992	0.963	0.878	0.804	0.745	0.689	0.580
1.234	1.167	1.130	1.223	1.240	0.000	1.148	1.058	1.043	0.000	0.924	0.820	0.676	0.616	0.565
1.245	1.185	1.153	1.265	1.272	1.244	1.150	1.081	1.044	1.025	0.948	0.847	0.689	0.624	0.568
1.184	1.237	1.212	1.219	0.000	1.158	1.077	1.021	0.979	0.953	0.000	0.815	0.723	0.650	0.538

ASSEMBLY LABEL: J129 SERIAL = J129 IA,JA,K = 10,16,13 SEG TYPE/ROT 12/ 3
BATCH = 10 208 PINS
ASSEM RPF = 1.056 ASSEM RPD = 1.062 PLANAR RPD = 0.985 AVE/PEAK GWD/T = 5.82/ 8.22
PEAK PIN = 1.470 MAX PIN XY = 1.363 MAX CHA = 1.338 PEAK KW/FT = 7.735
@ 6, 2 @ 6, 2 @ 5, 2 PEAK W/CM = 253.774

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.363 LOCATION = 6, 2

1.185	1.241	1.216	1.223	0.000	1.160	1.078	1.021	0.978	0.953	0.000	0.814	0.721	0.648	0.535
1.248	1.189	1.157	1.269	1.275	1.246	1.149	1.080	1.041	1.023	0.944	0.843	0.685	0.620	0.565
1.239	1.172	1.133	1.226	1.242	0.000	1.147	1.055	1.039	0.000	0.918	0.813	0.670	0.610	0.560
1.271	1.311	1.251	1.202	1.178	1.167	1.087	1.024	0.985	0.956	0.870	0.796	0.736	0.680	0.572
0.000	1.352	1.299	1.208	1.146	1.101	1.052	1.002	0.952	0.901	0.845	0.798	0.763	0.699	0.000
1.277	1.363	0.000	1.236	1.136	1.086	1.044	0.998	0.944	0.887	0.836	0.814	0.000	0.702	0.570
1.235	1.307	1.286	1.196	1.128	1.084	1.059	1.037	0.957	0.884	0.828	0.786	0.751	0.670	0.548
1.224	1.285	1.238	1.178	1.124	1.084	1.084	0.000	0.979	0.883	0.823	0.771	0.719	0.655	0.540
1.236	1.307	1.285	1.194	1.124	1.080	1.054	1.031	0.951	0.878	0.821	0.778	0.743	0.662	0.541
1.281	1.363	0.000	1.231	1.129	1.077	1.034	0.987	0.932	0.874	0.822	0.799	0.000	0.686	0.555
0.000	1.351	1.294	1.200	1.135	1.087	1.036	0.984	0.933	0.880	0.823	0.775	0.738	0.674	0.000
1.280	1.309	1.242	1.189	1.161	1.147	1.064	0.998	0.957	0.925	0.838	0.763	0.703	0.646	0.540
1.254	1.171	1.123	1.208	1.216	0.000	1.113	1.019	0.999	0.000	0.874	0.770	0.629	0.569	0.518
1.276	1.191	1.143	1.242	1.240	1.203	1.104	1.031	0.989	0.964	0.884	0.784	0.632	0.567	0.511
1.238	1.250	1.199	1.188	0.000	1.106	1.020	0.959	0.912	0.881	0.000	0.739	0.648	0.576	0.472

ASSEMBLY LABEL: J137 SERIAL = J137 IA,JA,K = 11,16,13 SEG TYPE/ROT 12/ 3
BATCH = 10 208 PINS
ASSEM RPF = 0.844 ASSEM RPD = 0.849 PLANAR RPD = 0.787 AVE/PEAK GWD/T = 4.45/ 7.39
PEAK PIN = 1.381 MAX PIN XY = 1.281 MAX CHA = 1.258 PEAK KW/FT = 7.267
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 238.427

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.281 LOCATION = 5, 2

1.234	1.255	1.204	1.195	0.000	1.110	1.022	0.960	0.910	0.878	0.000	0.734	0.640	0.566	0.458
1.260	1.178	1.132	1.233	1.228	1.190	1.087	1.013	0.967	0.942	0.859	0.756	0.603	0.536	0.476
1.221	1.142	1.093	1.177	1.182	0.000	1.073	0.976	0.954	0.000	0.824	0.719	0.580	0.518	0.462
1.230	1.262	1.193	1.136	1.104	1.085	0.999	0.932	0.886	0.852	0.764	0.689	0.627	0.566	0.461
0.000	1.281	1.220	1.123	1.054	1.002	0.947	0.892	0.838	0.783	0.724	0.674	0.634	0.567	0.000
1.195	1.270	0.000	1.126	1.022	0.965	0.916	0.866	0.808	0.749	0.696	0.668	0.000	0.554	0.434
1.133	1.192	1.160	1.063	0.988	0.937	0.904	0.872	0.794	0.722	0.666	0.622	0.584	0.510	0.404
1.101	1.146	1.087	1.018	0.955	0.907	0.894	0.000	0.782	0.694	0.636	0.586	0.537	0.480	0.384
1.088	1.137	1.099	1.000	0.924	0.870	0.835	0.802	0.727	0.658	0.606	0.565	0.531	0.464	0.370
1.102	1.154	0.000	0.995	0.892	0.831	0.780	0.730	0.675	0.622	0.574	0.550	0.000	0.458	0.363
0.000	1.108	1.033	0.930	0.856	0.798	0.742	0.688	0.637	0.588	0.539	0.500	0.470	0.424	0.000
1.039	1.035	0.951	0.880	0.832	0.796	0.716	0.653	0.609	0.575	0.510	0.456	0.416	0.380	0.317
0.980	0.886	0.817	0.848	0.823	0.000	0.698	0.617	0.587	0.000	0.487	0.422	0.340	0.308	0.284
0.956	0.861	0.791	0.823	0.785	0.728	0.638	0.572	0.528	0.499	0.446	0.388	0.310	0.281	0.260
0.876	0.858	0.785	0.738	0.000	0.614	0.537	0.480	0.436	0.406	0.000	0.325	0.285	0.258	0.220

ASSEMBLY LABEL: J161 SERIAL = J161 IA,JA,K = 12,15,13 SEG TYPE/ROT 10/ 3
BATCH = 10 208 PINS
ASSEM RPF = 1.123 ASSEM RPD = 1.130 PLANAR RPD = 1.048 AVE/PEAK GWD/T = 5.89/ 8.46
PEAK PIN = 1.570 MAX PIN XY = 1.456 MAX CHA = 1.450 PEAK KW/FT = 8.261
@ 6, 2 @ 6, 2 @ 5, 1 PEAK W/CM = 271.039

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.456 LOCATION = 6, 2

1.332	1.321	1.264	1.265	0.000	1.225	1.161	1.127	1.110	1.118	0.000	1.041	0.978	0.945	0.865
1.417	1.276	1.213	1.321	1.334	1.321	1.239	1.189	1.175	1.187	1.135	1.054	0.900	0.865	0.855
1.412	1.264	1.190	1.279	1.300	0.000	1.231	1.154	1.160	0.000	1.082	0.991	0.849	0.815	0.799
1.444	1.414	1.313	1.252	1.230	1.229	1.159	1.109	1.086	1.077	1.004	0.944	0.903	0.868	0.771
0.000	1.456	1.359	1.253	1.189	1.150	1.111	1.071	1.034	0.996	0.952	0.921	0.904	0.855	0.000
1.439	1.456	0.000	1.274	1.171	1.123	1.088	1.052	1.007	0.962	0.922	0.915	0.000	0.824	0.691
1.384	1.387	1.330	1.222	1.152	1.109	1.087	1.069	1.003	0.940	0.893	0.859	0.833	0.756	0.633
1.363	1.356	1.269	1.194	1.136	1.096	1.094	0.000	1.004	0.922	0.868	0.823	0.775	0.714	0.596
1.365	1.366	1.305	1.198	1.125	1.081	1.056	1.034	0.966	0.901	0.851	0.812	0.780	0.699	0.575
1.398	1.411	0.000	1.224	1.119	1.068	1.028	0.986	0.937	0.885	0.837	0.818	0.000	0.706	0.572
0.000	1.390	1.292	1.184	1.116	1.069	1.022	0.976	0.930	0.882	0.828	0.782	0.746	0.679	0.000
1.375	1.339	1.236	1.169	1.137	1.123	1.046	0.986	0.948	0.922	0.838	0.765	0.704	0.645	0.535
1.342	1.196	1.119	1.191	1.195	0.000	1.098	1.010	0.996	0.000	0.878	0.775	0.633	0.571	0.513
1.361	1.223	1.156	1.246	1.243	1.206	1.112	1.045	1.006	0.986	0.912	0.810	0.652	0.581	0.514
1.320	1.319	1.257	1.241	0.000	1.160	1.079	1.021	0.977	0.949	0.000	0.807	0.709	0.624	0.491

ASSEMBLY LABEL: J153 SERIAL = J153 IA,JA,K = 13,15,13 SEG TYPE/ROT 10/ 0
BATCH = 10 208 PINS
ASSEM RPF = 0.722 ASSEM RPD = 0.726 PLANAR RPD = 0.673 AVE/PEAK GWD/T = 3.72/ 7.18
PEAK PIN = 1.424 MAX PIN XY = 1.321 MAX CHA = 1.284 PEAK KW/FT = 7.492
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 245.816

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.321 LOCATION = 2, 1

1.320	1.321	1.254	1.236	0.000	1.150	1.066	1.007	0.962	0.934	0.000	0.793	0.695	0.611	0.477
1.321	1.175	1.101	1.189	1.182	1.142	1.045	0.979	0.941	0.923	0.851	0.755	0.604	0.539	0.477
1.254	1.101	1.018	1.081	1.079	0.000	0.979	0.895	0.879	0.000	0.772	0.679	0.552	0.499	0.450
1.236	1.189	1.081	1.009	0.972	0.953	0.880	0.823	0.788	0.763	0.690	0.629	0.579	0.531	0.440
0.000	1.181	1.079	0.972	0.904	0.857	0.812	0.768	0.725	0.683	0.638	0.600	0.572	0.521	0.000
1.150	1.142	0.000	0.953	0.857	0.807	0.767	0.728	0.684	0.640	0.601	0.584	0.000	0.500	0.401
1.065	1.045	0.978	0.879	0.811	0.767	0.738	0.714	0.658	0.606	0.566	0.535	0.510	0.453	0.367
1.006	0.978	0.894	0.823	0.767	0.727	0.714	0.000	0.635	0.573	0.532	0.498	0.463	0.421	0.344
0.961	0.941	0.878	0.788	0.724	0.684	0.658	0.635	0.584	0.537	0.501	0.474	0.452	0.402	0.327
0.933	0.922	0.000	0.763	0.683	0.640	0.606	0.573	0.537	0.502	0.470	0.457	0.000	0.393	0.317
0.000	0.850	0.771	0.690	0.637	0.600	0.566	0.532	0.501	0.470	0.438	0.413	0.394	0.361	0.000
0.792	0.753	0.679	0.628	0.600	0.584	0.535	0.498	0.474	0.457	0.413	0.376	0.348	0.322	0.271
0.694	0.603	0.551	0.578	0.572	0.000	0.510	0.463	0.452	0.000	0.394	0.348	0.284	0.261	0.241
0.609	0.538	0.498	0.530	0.521	0.500	0.453	0.421	0.403	0.393	0.361	0.322	0.261	0.238	0.221
0.476	0.476	0.449	0.439	0.000	0.401	0.367	0.344	0.327	0.318	0.000	0.272	0.242	0.221	0.187

Cycle 07 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								K121
14								K129
16								K137
17							K161	
19							K153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: K121 SERIAL = K121 IA,JA,K = 9,16,13 SEG TYPE/ROT 17/ 3
BATCH = 15 208 PINS
ASSEM RPF = 0.998 ASSEM RPD = 1.008 PLANAR RPD = 0.948 AVE/PEAK GWD/T = 6.76/ 9.28
PEAK PIN = 1.369 MAX PIN XY = 1.287 MAX CHA = 1.266 PEAK KW/FT = 7.174
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 235.367

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.287 LOCATION = 10, 2

1.164	1.183	1.147	1.148	0.000	1.089	1.015	0.963	0.924	0.901	0.000	0.771	0.683	0.614	0.511
1.190	1.123	1.090	1.191	1.199	1.174	1.085	1.023	0.989	0.972	0.898	0.803	0.654	0.592	0.540
1.168	1.103	1.068	1.154	1.171	0.000	1.087	1.004	0.990	0.000	0.878	0.778	0.642	0.586	0.537
1.191	1.228	1.176	1.134	1.115	1.107	1.034	0.977	0.941	0.915	0.834	0.764	0.708	0.653	0.551
0.000	1.267	1.222	1.142	1.086	1.046	1.003	0.959	0.912	0.865	0.812	0.769	0.735	0.674	0.000
1.194	1.279	0.000	1.169	1.079	1.034	0.997	0.955	0.906	0.853	0.806	0.786	0.000	0.679	0.553
1.156	1.228	1.215	1.134	1.073	1.034	1.014	0.994	0.921	0.853	0.800	0.761	0.727	0.650	0.534
1.148	1.211	1.171	1.119	1.071	1.037	1.039	0.000	0.943	0.853	0.798	0.749	0.700	0.639	0.529
1.161	1.233	1.218	1.136	1.074	1.035	1.014	0.994	0.921	0.852	0.799	0.760	0.726	0.650	0.534
1.204	1.287	0.000	1.174	1.082	1.035	0.997	0.955	0.905	0.852	0.804	0.784	0.000	0.678	0.553
0.000	1.279	1.232	1.149	1.090	1.049	1.004	0.957	0.910	0.862	0.809	0.766	0.733	0.672	0.000
1.205	1.243	1.188	1.143	1.121	1.111	1.035	0.976	0.939	0.912	0.831	0.761	0.705	0.651	0.550
1.179	1.117	1.081	1.166	1.180	0.000	1.090	1.003	0.988	0.000	0.874	0.775	0.640	0.584	0.536
1.192	1.134	1.103	1.205	1.210	1.182	1.091	1.025	0.988	0.969	0.895	0.800	0.652	0.591	0.539
1.137	1.186	1.160	1.164	0.000	1.101	1.023	0.969	0.927	0.902	0.000	0.771	0.684	0.615	0.511

ASSEMBLY LABEL: K129 SERIAL = K129 IA,JA,K = 10,16,13 SEG TYPE/ROT 17/ 3
BATCH = 15 208 PINS
ASSEM RPF = 0.989 ASSEM RPD = 0.999 PLANAR RPD = 0.940 AVE/PEAK GWD/T = 6.52/ 9.19
PEAK PIN = 1.382 MAX PIN XY = 1.300 MAX CHA = 1.276 PEAK KW/FT = 7.245
@ 6, 2 @ 6, 2 @ 5, 2 PEAK W/CM = 237.697

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.300 LOCATION = 6, 2

1.139	1.188	1.163	1.167	0.000	1.103	1.025	0.969	0.928	0.903	0.000	0.771	0.683	0.614	0.510
1.194	1.138	1.106	1.209	1.213	1.184	1.091	1.025	0.988	0.969	0.894	0.798	0.650	0.589	0.537
1.184	1.121	1.084	1.169	1.182	0.000	1.090	1.002	0.986	0.000	0.871	0.772	0.637	0.580	0.533
1.213	1.250	1.194	1.147	1.123	1.111	1.035	0.974	0.936	0.908	0.826	0.756	0.700	0.646	0.545
0.000	1.289	1.240	1.154	1.093	1.049	1.002	0.955	0.906	0.857	0.804	0.759	0.726	0.665	0.000
1.217	1.300	0.000	1.179	1.084	1.035	0.995	0.951	0.899	0.845	0.796	0.775	0.000	0.669	0.544
1.177	1.247	1.228	1.142	1.077	1.034	1.010	0.988	0.913	0.843	0.789	0.749	0.715	0.639	0.524
1.166	1.227	1.182	1.125	1.073	1.035	1.034	0.000	0.933	0.842	0.785	0.736	0.686	0.625	0.516
1.178	1.247	1.227	1.140	1.074	1.031	1.006	0.983	0.908	0.838	0.783	0.743	0.709	0.632	0.517
1.219	1.299	0.000	1.175	1.079	1.029	0.987	0.942	0.890	0.834	0.785	0.763	0.000	0.655	0.531
0.000	1.288	1.235	1.147	1.084	1.038	0.990	0.941	0.891	0.840	0.786	0.741	0.705	0.644	0.000
1.219	1.249	1.187	1.136	1.109	1.095	1.016	0.954	0.914	0.883	0.801	0.730	0.672	0.617	0.517
1.196	1.120	1.075	1.154	1.161	0.000	1.063	0.973	0.954	0.000	0.835	0.736	0.603	0.545	0.496
1.219	1.139	1.094	1.186	1.183	1.148	1.054	0.985	0.944	0.920	0.844	0.748	0.605	0.543	0.489
1.189	1.198	1.147	1.136	0.000	1.057	0.976	0.917	0.872	0.842	0.000	0.707	0.620	0.551	0.453

ASSEMBLY LABEL: K137 SERIAL = K137 IA,JA,K = 11,16,13 SEG TYPE/ROT 17/ 3
BATCH = 15 208 PINS
ASSEM RPF = 0.796 ASSEM RPD = 0.804 PLANAR RPD = 0.756 AVE/PEAK GWD/T = 5.00/ 8.32
PEAK PIN = 1.311 MAX PIN XY = 1.233 MAX CHA = 1.211 PEAK KW/FT = 6.872
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 225.456

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.233 LOCATION = 5, 2

1.189	1.205	1.156	1.146	0.000	1.063	0.978	0.918	0.871	0.839	0.000	0.701	0.611	0.541	0.439
1.213	1.133	1.087	1.181	1.175	1.139	1.040	0.968	0.925	0.899	0.820	0.722	0.577	0.512	0.455
1.177	1.099	1.051	1.129	1.133	0.000	1.027	0.935	0.912	0.000	0.787	0.687	0.555	0.495	0.442
1.186	1.214	1.146	1.091	1.059	1.040	0.957	0.892	0.848	0.815	0.731	0.659	0.599	0.541	0.441
0.000	1.233	1.173	1.079	1.011	0.961	0.907	0.855	0.802	0.750	0.693	0.645	0.606	0.542	0.000
1.154	1.223	0.000	1.083	0.982	0.926	0.879	0.830	0.775	0.718	0.666	0.640	0.000	0.530	0.416
1.095	1.148	1.117	1.023	0.950	0.900	0.867	0.836	0.761	0.692	0.638	0.595	0.559	0.488	0.387
1.065	1.105	1.047	0.980	0.919	0.872	0.858	0.000	0.750	0.665	0.609	0.561	0.514	0.459	0.368
1.053	1.097	1.058	0.963	0.889	0.836	0.802	0.770	0.697	0.632	0.580	0.541	0.508	0.445	0.355
1.066	1.113	0.000	0.959	0.858	0.799	0.750	0.701	0.648	0.596	0.551	0.527	0.000	0.438	0.349
0.000	1.069	0.996	0.896	0.824	0.768	0.713	0.661	0.612	0.565	0.517	0.479	0.450	0.406	0.000
1.005	0.999	0.917	0.848	0.801	0.766	0.689	0.627	0.585	0.553	0.490	0.438	0.399	0.364	0.305
0.948	0.856	0.790	0.818	0.793	0.000	0.672	0.593	0.564	0.000	0.469	0.405	0.327	0.297	0.274
0.924	0.832	0.764	0.794	0.756	0.701	0.614	0.550	0.508	0.480	0.429	0.373	0.299	0.270	0.250
0.847	0.829	0.758	0.713	0.000	0.594	0.519	0.464	0.421	0.392	0.000	0.314	0.275	0.249	0.212

ASSEMBLY LABEL: K161 SERIAL = K161 IA,JA,K = 12,15,13 SEG TYPE/ROT 15/ 3
BATCH = 15 208 PINS
ASSEM RPF = 1.067 ASSEM RPD = 1.077 PLANAR RPD = 1.013 AVE/PEAK GWD/T = 6.69/ 9.65
PEAK PIN = 1.494 MAX PIN XY = 1.406 MAX CHA = 1.400 PEAK KW/FT = 7.833
@ 6, 2 @ 6, 2 @ 5, 1 PEAK W/CM = 256.998

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.406 LOCATION = 6, 2

1.300	1.287	1.233	1.233	0.000	1.194	1.132	1.099	1.082	1.088	0.000	1.012	0.949	0.917	0.838
1.375	1.241	1.181	1.283	1.296	1.282	1.204	1.156	1.142	1.153	1.100	1.023	0.874	0.840	0.828
1.368	1.227	1.157	1.240	1.261	0.000	1.195	1.119	1.126	0.000	1.050	0.962	0.825	0.791	0.774
1.397	1.368	1.272	1.213	1.191	1.190	1.124	1.075	1.053	1.044	0.973	0.916	0.875	0.841	0.748
0.000	1.405	1.315	1.213	1.151	1.113	1.076	1.039	1.002	0.965	0.923	0.893	0.876	0.828	0.000
1.388	1.406	0.000	1.231	1.132	1.087	1.052	1.018	0.976	0.932	0.893	0.886	0.000	0.798	0.671
1.336	1.339	1.283	1.181	1.113	1.072	1.051	1.033	0.970	0.910	0.864	0.832	0.807	0.733	0.615
1.316	1.308	1.225	1.153	1.097	1.059	1.056	0.000	0.970	0.891	0.841	0.796	0.750	0.692	0.580
1.317	1.317	1.259	1.157	1.086	1.043	1.020	0.999	0.933	0.871	0.822	0.786	0.755	0.678	0.559
1.348	1.360	0.000	1.180	1.080	1.031	0.991	0.952	0.904	0.855	0.809	0.790	0.000	0.682	0.555
0.000	1.340	1.247	1.143	1.076	1.031	0.986	0.941	0.897	0.850	0.799	0.755	0.721	0.657	0.000
1.328	1.292	1.193	1.127	1.097	1.082	1.008	0.950	0.914	0.888	0.808	0.738	0.680	0.623	0.519
1.296	1.156	1.082	1.149	1.152	0.000	1.057	0.973	0.958	0.000	0.845	0.747	0.612	0.552	0.498
1.314	1.184	1.117	1.202	1.197	1.160	1.070	1.005	0.968	0.948	0.876	0.779	0.629	0.561	0.497
1.276	1.274	1.214	1.198	0.000	1.117	1.039	0.983	0.940	0.912	0.000	0.776	0.682	0.600	0.474

ASSEMBLY LABEL: K153 SERIAL = K153 IA,JA,K = 13,15,13 SEG TYPE/ROT 15/ 0
BATCH = 15 208 PINS
ASSEM RPF = 0.688 ASSEM RPD = 0.694 PLANAR RPD = 0.653 AVE/PEAK GWD/T = 4.23/ 8.21
PEAK PIN = 1.366 MAX PIN XY = 1.285 MAX CHA = 1.249 PEAK KW/FT = 7.162
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 234.973

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.285 LOCATION = 2, 1

1.284	1.282	1.216	1.197	0.000	1.111	1.028	0.970	0.926	0.899	0.000	0.762	0.668	0.587	0.460
1.285	1.143	1.069	1.152	1.142	1.103	1.008	0.943	0.906	0.887	0.818	0.725	0.581	0.519	0.459
1.222	1.072	0.990	1.048	1.045	0.000	0.945	0.863	0.846	0.000	0.742	0.653	0.531	0.480	0.433
1.205	1.157	1.051	0.979	0.942	0.923	0.851	0.795	0.760	0.735	0.665	0.605	0.557	0.511	0.424
0.000	1.150	1.049	0.944	0.877	0.830	0.785	0.742	0.700	0.659	0.614	0.578	0.551	0.502	0.000
1.123	1.112	0.000	0.926	0.832	0.782	0.743	0.704	0.661	0.618	0.580	0.563	0.000	0.481	0.387
1.041	1.018	0.952	0.855	0.788	0.744	0.716	0.691	0.636	0.586	0.546	0.516	0.492	0.437	0.354
0.983	0.954	0.871	0.801	0.746	0.707	0.693	0.000	0.614	0.555	0.515	0.481	0.446	0.406	0.332
0.940	0.918	0.856	0.767	0.705	0.665	0.639	0.616	0.566	0.520	0.485	0.458	0.436	0.388	0.316
0.913	0.899	0.000	0.743	0.665	0.622	0.589	0.557	0.521	0.486	0.456	0.442	0.000	0.379	0.307
0.000	0.830	0.752	0.673	0.621	0.585	0.550	0.517	0.487	0.456	0.425	0.400	0.381	0.349	0.000
0.775	0.736	0.663	0.613	0.585	0.569	0.521	0.484	0.461	0.444	0.400	0.364	0.337	0.311	0.262
0.679	0.590	0.539	0.565	0.558	0.000	0.497	0.451	0.440	0.000	0.383	0.337	0.276	0.253	0.234
0.597	0.527	0.488	0.518	0.509	0.488	0.442	0.410	0.392	0.383	0.351	0.313	0.254	0.231	0.214
0.467	0.467	0.440	0.430	0.000	0.393	0.359	0.337	0.320	0.310	0.000	0.265	0.236	0.215	0.182

Cycle 08 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								H139
14								L129
16								L130
17							J153	
19							H105	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: H139 SERIAL = H139 IA,JA,K = 9,16,13 SEG TYPE/ROT 14/ 0
BATCH = 12 152 PINS
ASSEM RPF = 0.328 ASSEM RPD = 0.448 PLANAR RPD = 0.419 AVE/PEAK GWD/T = 37.85/45.40
PEAK PIN = 0.683 MAX PIN XY = 0.639 MAX CHA = 0.617 PEAK KW/FT = 2.898
@ 15, 1 @ 15, 1 @ 14, 1 PEAK W/CM = 95.064

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.639 LOCATION = 15, 1

0.514	0.473	0.439	0.409	0.000	0.344	0.307	0.275	0.247	0.225	0.000	0.000	0.000	0.000	0.000
0.511	0.476	0.446	0.432	0.402	0.368	0.329	0.293	0.264	0.240	0.217	0.000	0.000	0.000	0.000
0.519	0.488	0.458	0.443	0.413	0.000	0.340	0.301	0.273	0.000	0.223	0.000	0.000	0.000	0.000
0.535	0.521	0.489	0.451	0.416	0.381	0.342	0.304	0.275	0.249	0.225	0.000	0.000	0.000	0.000
0.000	0.538	0.506	0.463	0.418	0.379	0.342	0.307	0.276	0.248	0.227	0.000	0.000	0.000	0.000
0.553	0.549	0.000	0.474	0.424	0.384	0.347	0.313	0.281	0.253	0.232	0.000	0.000	0.000	0.000
0.554	0.550	0.524	0.479	0.432	0.391	0.358	0.325	0.291	0.260	0.238	0.000	0.000	0.000	0.000
0.560	0.554	0.526	0.485	0.441	0.401	0.370	0.000	0.302	0.269	0.247	0.000	0.000	0.000	0.000
0.570	0.568	0.543	0.500	0.452	0.412	0.379	0.346	0.311	0.279	0.258	0.000	0.000	0.000	0.000
0.586	0.586	0.000	0.516	0.466	0.425	0.388	0.353	0.320	0.292	0.270	0.000	0.000	0.000	0.000
0.000	0.595	0.568	0.526	0.481	0.443	0.405	0.369	0.336	0.308	0.285	0.000	0.000	0.000	0.000
0.602	0.599	0.571	0.537	0.505	0.471	0.431	0.390	0.360	0.332	0.307	0.000	0.000	0.000	0.000
0.605	0.583	0.561	0.556	0.530	0.000	0.457	0.414	0.384	0.000	0.330	0.000	0.000	0.000	0.000
0.617	0.595	0.575	0.575	0.550	0.517	0.474	0.433	0.402	0.376	0.350	0.000	0.000	0.000	0.000
0.639	0.618	0.597	0.577	0.000	0.516	0.474	0.438	0.405	0.379	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: L100 SERIAL = L129 IA,JA,K = 10,16,13 SEG TYPE/ROT 9/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.853 ASSEM RPD = 0.819 PLANAR RPD = 0.766 AVE/PEAK GWD/T = 5.14/ 7.98
PEAK PIN = 1.242 MAX PIN XY = 1.162 MAX CHA = 1.154 PEAK KW/FT = 5.272
@ 11, 2 @ 11, 2 @ 11, 1 PEAK W/CM = 172.970

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.162 LOCATION = 11, 2

1.032	1.035	0.965	0.919	0.000	0.785	0.700	0.637	0.587	0.552	0.000	0.454	0.398	0.355	0.290
1.091	0.993	0.921	0.960	0.906	0.824	0.751	0.689	0.634	0.588	0.545	0.486	0.391	0.351	0.318
1.084	0.983	0.906	0.935	0.871	0.809	0.749	0.692	0.639	0.587	0.537	0.488	0.399	0.361	0.330
1.109	1.100	1.004	0.932	0.872	0.816	0.761	0.707	0.654	0.602	0.550	0.501	0.458	0.421	0.352
0.000	1.119	1.009	0.940	0.883	0.832	0.781	0.729	0.676	0.622	0.569	0.519	0.474	0.443	0.000
1.107	1.102	1.014	0.951	0.899	0.853	0.808	0.759	0.703	0.645	0.589	0.536	0.489	0.450	0.377
1.075	1.093	1.019	0.962	0.915	0.875	0.846	0.816	0.740	0.668	0.608	0.553	0.502	0.457	0.375
1.070	1.095	1.027	0.974	0.929	0.893	0.886	0.000	0.778	0.687	0.624	0.567	0.515	0.467	0.381
1.082	1.106	1.037	0.984	0.940	0.903	0.876	0.848	0.772	0.699	0.637	0.580	0.527	0.478	0.391
1.123	1.130	1.050	0.994	0.949	0.908	0.867	0.821	0.765	0.706	0.647	0.590	0.538	0.494	0.410
0.000	1.162	1.063	1.005	0.958	0.915	0.869	0.820	0.768	0.712	0.656	0.600	0.548	0.510	0.000
1.144	1.156	1.077	1.020	0.972	0.926	0.878	0.828	0.776	0.722	0.666	0.609	0.556	0.508	0.419
1.131	1.047	0.988	1.045	0.996	0.946	0.895	0.843	0.791	0.737	0.681	0.623	0.509	0.457	0.410
1.157	1.072	1.019	1.091	1.058	0.988	0.923	0.868	0.815	0.768	0.721	0.647	0.519	0.462	0.410
1.121	1.130	1.074	1.052	0.000	0.953	0.874	0.817	0.769	0.737	0.000	0.616	0.538	0.474	0.382

ASSEMBLY LABEL: L100 SERIAL = L130 IA,JA,K = 11,16,13 SEG TYPE/ROT 9/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.729 ASSEM RPD = 0.701 PLANAR RPD = 0.655 AVE/PEAK GWD/T = 4.19/ 7.29
PEAK PIN = 1.229 MAX PIN XY = 1.150 MAX CHA = 1.116 PEAK KW/FT = 5.216
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 171.141

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.150 LOCATION = 2, 1

1.121	1.132	1.075	1.052	0.000	0.951	0.872	0.815	0.767	0.735	0.000	0.615	0.536	0.472	0.377
1.150	1.062	1.007	1.079	1.044	0.973	0.908	0.852	0.800	0.754	0.707	0.634	0.507	0.449	0.397
1.110	1.024	0.962	1.018	0.967	0.916	0.864	0.813	0.761	0.708	0.654	0.597	0.485	0.435	0.387
1.107	1.117	1.036	0.977	0.927	0.880	0.833	0.783	0.732	0.679	0.625	0.570	0.520	0.473	0.386
0.000	1.104	1.004	0.945	0.897	0.853	0.807	0.760	0.709	0.655	0.602	0.549	0.500	0.464	0.000
1.048	1.052	0.972	0.916	0.870	0.829	0.788	0.743	0.691	0.635	0.580	0.528	0.480	0.438	0.361
0.987	1.007	0.938	0.886	0.842	0.805	0.779	0.751	0.680	0.614	0.557	0.506	0.458	0.415	0.336
0.951	0.972	0.906	0.854	0.811	0.777	0.767	0.000	0.668	0.588	0.532	0.483	0.437	0.395	0.320
0.928	0.942	0.873	0.820	0.776	0.739	0.711	0.683	0.617	0.555	0.504	0.457	0.414	0.376	0.307
0.926	0.919	0.841	0.784	0.738	0.696	0.657	0.614	0.567	0.519	0.472	0.430	0.391	0.360	0.301
0.000	0.900	0.806	0.747	0.698	0.654	0.611	0.569	0.525	0.482	0.440	0.401	0.367	0.344	0.000
0.858	0.848	0.769	0.709	0.659	0.614	0.570	0.527	0.486	0.446	0.408	0.372	0.341	0.315	0.265
0.800	0.719	0.658	0.676	0.626	0.578	0.532	0.489	0.450	0.413	0.378	0.344	0.282	0.258	0.239
0.765	0.688	0.631	0.653	0.611	0.551	0.498	0.455	0.417	0.385	0.358	0.320	0.259	0.236	0.220
0.682	0.671	0.614	0.577	0.000	0.479	0.423	0.381	0.349	0.326	0.000	0.269	0.239	0.218	0.187

ASSEMBLY LABEL: J153 SERIAL = J153 IA,JA,K = 12,15,13 SEG TYPE/ROT 10/ 3
BATCH = 10 208 PINS
ASSEM RPF = 0.654 ASSEM RPD = 0.653 PLANAR RPD = 0.610 AVE/PEAK GWD/T = 26.10/34.92
PEAK PIN = 0.984 MAX PIN XY = 0.920 MAX CHA = 0.896 PEAK KW/FT = 4.174
@ 2, 1 @ 2, 1 @ 4, 1 PEAK W/CM = 136.952

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.920 LOCATION = 2, 1

0.910	0.886	0.851	0.837	0.000	0.795	0.760	0.737	0.720	0.712	0.000	0.663	0.626	0.601	0.561
0.920	0.855	0.819	0.850	0.840	0.820	0.779	0.747	0.732	0.724	0.694	0.651	0.578	0.550	0.533
0.905	0.840	0.803	0.824	0.815	0.000	0.762	0.722	0.711	0.000	0.658	0.612	0.544	0.513	0.491
0.904	0.890	0.842	0.801	0.778	0.759	0.721	0.688	0.668	0.650	0.612	0.576	0.546	0.515	0.461
0.000	0.893	0.846	0.792	0.747	0.716	0.686	0.658	0.631	0.603	0.574	0.550	0.527	0.491	0.000
0.885	0.883	0.000	0.784	0.727	0.692	0.662	0.634	0.604	0.574	0.546	0.528	0.000	0.461	0.395
0.863	0.855	0.815	0.757	0.708	0.673	0.649	0.626	0.588	0.549	0.519	0.493	0.467	0.422	0.359
0.851	0.834	0.786	0.734	0.690	0.654	0.636	0.000	0.571	0.526	0.493	0.463	0.431	0.391	0.332
0.845	0.831	0.787	0.726	0.673	0.635	0.609	0.582	0.543	0.503	0.471	0.444	0.415	0.371	0.310
0.847	0.835	0.000	0.720	0.659	0.618	0.582	0.549	0.515	0.481	0.450	0.427	0.000	0.356	0.295
0.000	0.821	0.762	0.698	0.645	0.604	0.566	0.530	0.496	0.464	0.430	0.400	0.371	0.333	0.000
0.827	0.796	0.733	0.679	0.640	0.605	0.559	0.517	0.486	0.457	0.417	0.377	0.343	0.308	0.258
0.810	0.733	0.678	0.673	0.641	0.000	0.555	0.507	0.479	0.000	0.408	0.363	0.306	0.271	0.239
0.806	0.729	0.675	0.672	0.635	0.591	0.538	0.494	0.461	0.433	0.395	0.353	0.294	0.260	0.225
0.785	0.748	0.693	0.649	0.000	0.556	0.507	0.467	0.432	0.402	0.000	0.333	0.295	0.258	0.207

ASSEMBLY LABEL: H105 SERIAL = H105 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 152 PINS
ASSEM RPF = 0.216 ASSEM RPD = 0.295 PLANAR RPD = 0.276 AVE/PEAK GWD/T = 37.86/48.00
PEAK PIN = 0.611 MAX PIN XY = 0.571 MAX CHA = 0.534 PEAK KW/FT = 2.591
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 85.013

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.571 LOCATION = 1, 1

0.571	0.526	0.490	0.461	0.000	0.399	0.365	0.334	0.307	0.285	0.000	0.000	0.000	0.000	0.000
0.545	0.494	0.459	0.445	0.417	0.385	0.350	0.318	0.293	0.272	0.252	0.000	0.000	0.000	0.000
0.528	0.477	0.440	0.422	0.393	0.000	0.330	0.297	0.274	0.000	0.233	0.000	0.000	0.000	0.000
0.517	0.482	0.440	0.401	0.368	0.337	0.305	0.275	0.251	0.231	0.212	0.000	0.000	0.000	0.000
0.000	0.470	0.428	0.385	0.344	0.311	0.281	0.254	0.230	0.209	0.193	0.000	0.000	0.000	0.000
0.482	0.452	0.000	0.368	0.325	0.292	0.263	0.237	0.214	0.194	0.179	0.000	0.000	0.000	0.000
0.458	0.427	0.390	0.347	0.307	0.275	0.250	0.226	0.202	0.181	0.166	0.000	0.000	0.000	0.000
0.436	0.403	0.366	0.326	0.290	0.260	0.237	0.000	0.190	0.168	0.154	0.000	0.000	0.000	0.000
0.413	0.384	0.349	0.310	0.273	0.244	0.220	0.199	0.177	0.157	0.144	0.000	0.000	0.000	0.000
0.391	0.365	0.000	0.293	0.256	0.228	0.204	0.183	0.163	0.147	0.134	0.000	0.000	0.000	0.000
0.000	0.337	0.304	0.270	0.239	0.214	0.191	0.170	0.153	0.137	0.125	0.000	0.000	0.000	0.000
0.329	0.304	0.274	0.246	0.223	0.202	0.180	0.160	0.144	0.130	0.118	0.000	0.000	0.000	0.000
0.290	0.260	0.236	0.223	0.205	0.000	0.167	0.148	0.134	0.000	0.111	0.000	0.000	0.000	0.000
0.250	0.225	0.206	0.197	0.182	0.166	0.149	0.133	0.121	0.111	0.101	0.000	0.000	0.000	0.000
0.206	0.190	0.175	0.163	0.000	0.138	0.124	0.113	0.103	0.095	0.000	0.000	0.000	0.000	0.000

Cycle 09 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								I121
14								K145
16								K161
17							K214	
19							I145	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 9,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.388 ASSEM RPD = 0.398 PLANAR RPD = 0.361 AVE/PEAK GWD/T = 38.87/45.37
PEAK PIN = 0.703 MAX PIN XY = 0.638 MAX CHA = 0.615 PEAK KW/FT = 3.629
@ 14, 1 @ 14, 1 @ 14, 1 PEAK W/CM = 119.059

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.638 LOCATION = 14, 1

0.625	0.582	0.534	0.491	0.000	0.402	0.364	0.333	0.305	0.281	0.000	0.235	0.210	0.185	0.156
0.614	0.561	0.516	0.490	0.439	0.382	0.359	0.331	0.300	0.265	0.254	0.234	0.203	0.180	0.160
0.604	0.552	0.507	0.476	0.409	0.000	0.339	0.324	0.282	0.000	0.235	0.226	0.199	0.179	0.160
0.602	0.566	0.515	0.470	0.423	0.372	0.356	0.329	0.296	0.257	0.243	0.223	0.202	0.184	0.160
0.000	0.553	0.483	0.462	0.432	0.400	0.370	0.340	0.308	0.276	0.247	0.219	0.189	0.180	0.000
0.590	0.527	0.000	0.444	0.439	0.413	0.382	0.350	0.318	0.285	0.251	0.210	0.000	0.171	0.157
0.585	0.545	0.483	0.468	0.447	0.421	0.395	0.364	0.328	0.291	0.256	0.222	0.189	0.177	0.156
0.588	0.555	0.509	0.479	0.453	0.427	0.403	0.000	0.335	0.295	0.260	0.227	0.199	0.180	0.157
0.593	0.554	0.491	0.477	0.456	0.430	0.403	0.372	0.336	0.297	0.262	0.227	0.193	0.180	0.159
0.606	0.544	0.000	0.461	0.456	0.430	0.399	0.366	0.332	0.298	0.262	0.220	0.000	0.178	0.163
0.000	0.580	0.509	0.488	0.458	0.425	0.394	0.362	0.328	0.295	0.264	0.233	0.202	0.191	0.000
0.633	0.600	0.549	0.504	0.455	0.401	0.385	0.357	0.322	0.279	0.264	0.242	0.219	0.198	0.171
0.636	0.589	0.545	0.514	0.445	0.000	0.371	0.356	0.311	0.000	0.259	0.249	0.218	0.195	0.172
0.638	0.594	0.553	0.528	0.476	0.417	0.394	0.365	0.330	0.293	0.279	0.258	0.223	0.198	0.173
0.627	0.601	0.563	0.525	0.000	0.438	0.399	0.366	0.335	0.310	0.000	0.258	0.229	0.201	0.168

ASSEMBLY LABEL: K145 SERIAL = K145 IA,JA,K = 10,16,13 SEG TYPE/ROT 17/ 3
BATCH = 15 208 PINS
ASSEM RPF = 0.513 ASSEM RPD = 0.526 PLANAR RPD = 0.477 AVE/PEAK GWD/T = 30.76/35.10
PEAK PIN = 0.850 MAX PIN XY = 0.771 MAX CHA = 0.767 PEAK KW/FT = 4.388
@ 10, 2 @ 10, 2 @ 10, 1 PEAK W/CM = 143.978

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.771 LOCATION = 10, 2

0.722	0.703	0.662	0.626	0.000	0.535	0.483	0.440	0.402	0.370	0.000	0.297	0.259	0.226	0.187
0.733	0.690	0.651	0.648	0.611	0.565	0.508	0.460	0.423	0.391	0.351	0.308	0.256	0.224	0.196
0.734	0.692	0.654	0.647	0.612	0.000	0.516	0.464	0.430	0.000	0.353	0.309	0.259	0.227	0.198
0.749	0.742	0.698	0.647	0.605	0.562	0.510	0.462	0.425	0.391	0.349	0.310	0.277	0.245	0.204
0.000	0.758	0.716	0.657	0.600	0.552	0.505	0.462	0.421	0.383	0.347	0.316	0.286	0.252	0.000
0.760	0.766	0.000	0.667	0.602	0.552	0.507	0.464	0.423	0.384	0.349	0.321	0.000	0.255	0.208
0.751	0.757	0.722	0.662	0.603	0.554	0.515	0.476	0.430	0.386	0.350	0.320	0.289	0.252	0.206
0.750	0.751	0.712	0.658	0.605	0.557	0.522	0.000	0.436	0.389	0.352	0.318	0.286	0.250	0.206
0.753	0.759	0.726	0.666	0.608	0.559	0.520	0.480	0.435	0.390	0.354	0.323	0.292	0.253	0.206
0.763	0.771	0.000	0.674	0.610	0.560	0.515	0.473	0.431	0.392	0.356	0.327	0.000	0.258	0.209
0.000	0.766	0.725	0.667	0.612	0.564	0.518	0.474	0.433	0.395	0.357	0.324	0.292	0.256	0.000
0.756	0.750	0.707	0.659	0.618	0.577	0.525	0.477	0.440	0.404	0.361	0.320	0.285	0.249	0.205
0.741	0.699	0.662	0.656	0.623	0.000	0.530	0.478	0.444	0.000	0.363	0.318	0.265	0.230	0.198
0.738	0.690	0.651	0.648	0.612	0.569	0.515	0.468	0.431	0.397	0.356	0.312	0.257	0.223	0.191
0.726	0.691	0.646	0.610	0.000	0.524	0.475	0.434	0.397	0.364	0.000	0.289	0.249	0.215	0.177

ASSEMBLY LABEL: K161 SERIAL = K161 IA,JA,K = 11,16,13 SEG TYPE/ROT 17/ 3
BATCH = 15 208 PINS
ASSEM RPF = 0.409 ASSEM RPD = 0.419 PLANAR RPD = 0.380 AVE/PEAK GWD/T = 29.29/33.01
PEAK PIN = 0.852 MAX PIN XY = 0.773 MAX CHA = 0.744 PEAK KW/FT = 4.398
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 144.286

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.773 LOCATION = 1, 1

0.773	0.740	0.692	0.654	0.000	0.561	0.508	0.463	0.423	0.389	0.000	0.309	0.266	0.229	0.186
0.760	0.704	0.660	0.659	0.623	0.577	0.520	0.471	0.434	0.400	0.358	0.312	0.255	0.220	0.188
0.737	0.685	0.644	0.637	0.604	0.000	0.511	0.459	0.426	0.000	0.347	0.301	0.249	0.215	0.184
0.728	0.714	0.667	0.617	0.576	0.537	0.486	0.441	0.405	0.371	0.330	0.291	0.257	0.223	0.182
0.000	0.707	0.662	0.605	0.552	0.506	0.463	0.423	0.384	0.349	0.314	0.283	0.254	0.220	0.000
0.694	0.691	0.000	0.592	0.532	0.487	0.445	0.407	0.369	0.334	0.301	0.275	0.000	0.213	0.170
0.664	0.659	0.622	0.566	0.512	0.468	0.433	0.398	0.358	0.319	0.287	0.260	0.233	0.200	0.161
0.642	0.631	0.590	0.540	0.492	0.450	0.419	0.000	0.345	0.305	0.273	0.245	0.218	0.189	0.153
0.622	0.615	0.578	0.523	0.472	0.429	0.395	0.362	0.324	0.288	0.259	0.234	0.210	0.181	0.146
0.608	0.601	0.000	0.506	0.451	0.408	0.370	0.335	0.302	0.271	0.244	0.222	0.000	0.173	0.140
0.000	0.571	0.528	0.476	0.428	0.387	0.349	0.315	0.283	0.254	0.227	0.205	0.184	0.161	0.000
0.553	0.533	0.489	0.445	0.407	0.372	0.331	0.294	0.266	0.240	0.212	0.186	0.165	0.145	0.121
0.514	0.470	0.432	0.417	0.384	0.000	0.310	0.272	0.246	0.000	0.194	0.168	0.140	0.123	0.109
0.478	0.435	0.398	0.384	0.351	0.315	0.276	0.242	0.217	0.195	0.171	0.148	0.123	0.108	0.097
0.426	0.403	0.367	0.334	0.000	0.265	0.230	0.202	0.178	0.158	0.000	0.122	0.106	0.094	0.082

ASSEMBLY LABEL: K214 SERIAL = K214 IA,JA,K = 12,15,13 SEG TYPE/ROT 16/ 3
BATCH = 16 216 PINS
ASSEM RPF = 0.583 ASSEM RPD = 0.575 PLANAR RPD = 0.522 AVE/PEAK GWD/T = 30.99/35.69
PEAK PIN = 1.077 MAX PIN XY = 0.978 MAX CHA = 0.949 PEAK KW/FT = 5.565
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 182.563

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.978 LOCATION = 1, 1

0.978	0.949	0.907	0.877	0.000	0.802	0.755	0.719	0.687	0.663	0.000	0.592	0.547	0.508	0.457
0.970	0.898	0.854	0.859	0.823	0.779	0.736	0.701	0.665	0.634	0.603	0.562	0.495	0.458	0.427
0.939	0.867	0.765	0.813	0.769	0.729	0.695	0.585	0.624	0.587	0.552	0.518	0.428	0.422	0.392
0.917	0.883	0.825	0.772	0.729	0.691	0.656	0.622	0.585	0.549	0.514	0.480	0.447	0.414	0.365
0.000	0.854	0.789	0.737	0.694	0.657	0.622	0.587	0.553	0.517	0.483	0.448	0.415	0.386	0.000
0.852	0.816	0.756	0.706	0.664	0.627	0.594	0.560	0.525	0.489	0.454	0.420	0.387	0.356	0.310
0.811	0.778	0.726	0.676	0.635	0.600	0.573	0.544	0.505	0.464	0.429	0.395	0.363	0.328	0.282
0.778	0.747	0.617	0.649	0.607	0.572	0.550	0.000	0.483	0.439	0.404	0.373	0.301	0.306	0.261
0.747	0.714	0.665	0.618	0.578	0.544	0.518	0.490	0.453	0.415	0.381	0.349	0.319	0.286	0.243
0.723	0.688	0.634	0.589	0.550	0.516	0.485	0.455	0.423	0.391	0.359	0.329	0.298	0.269	0.230
0.000	0.661	0.605	0.562	0.524	0.491	0.460	0.430	0.400	0.369	0.340	0.310	0.281	0.255	0.000
0.658	0.627	0.580	0.537	0.501	0.469	0.439	0.411	0.381	0.351	0.323	0.294	0.267	0.239	0.201
0.619	0.565	0.493	0.516	0.481	0.450	0.422	0.349	0.365	0.336	0.309	0.282	0.226	0.213	0.187
0.586	0.535	0.502	0.496	0.467	0.434	0.403	0.377	0.349	0.325	0.300	0.272	0.230	0.202	0.175
0.545	0.519	0.487	0.461	0.000	0.405	0.375	0.350	0.326	0.305	0.000	0.255	0.226	0.197	0.159

ASSEMBLY LABEL: I145 SERIAL = I145 IA,JA,K = 13,15,13 SEG TYPE/ROT 9/ 0
BATCH = 9 208 PINS
ASSEM RPF = 0.182 ASSEM RPD = 0.187 PLANAR RPD = 0.170 AVE/PEAK GWD/T = 38.87/47.19
PEAK PIN = 0.509 MAX PIN XY = 0.462 MAX CHA = 0.428 PEAK KW/FT = 2.626
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 86.166

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.462 LOCATION = 1, 1

0.462	0.432	0.402	0.376	0.000	0.322	0.298	0.278	0.258	0.242	0.000	0.208	0.187	0.165	0.137
0.431	0.388	0.359	0.344	0.314	0.278	0.266	0.250	0.230	0.208	0.201	0.188	0.165	0.148	0.130
0.400	0.357	0.327	0.309	0.269	0.000	0.230	0.224	0.199	0.000	0.171	0.167	0.149	0.135	0.121
0.372	0.341	0.308	0.281	0.256	0.227	0.222	0.209	0.191	0.168	0.162	0.152	0.139	0.128	0.113
0.000	0.310	0.266	0.254	0.240	0.226	0.213	0.198	0.183	0.167	0.152	0.137	0.120	0.116	0.000
0.316	0.273	0.000	0.225	0.225	0.215	0.202	0.189	0.174	0.159	0.142	0.121	0.000	0.101	0.095
0.291	0.261	0.226	0.219	0.211	0.201	0.192	0.180	0.165	0.149	0.133	0.117	0.102	0.097	0.088
0.270	0.244	0.220	0.206	0.196	0.187	0.180	0.000	0.155	0.138	0.124	0.111	0.099	0.091	0.082
0.251	0.224	0.194	0.188	0.181	0.172	0.164	0.154	0.142	0.128	0.114	0.101	0.088	0.084	0.076
0.234	0.201	0.000	0.165	0.164	0.157	0.148	0.138	0.128	0.117	0.105	0.090	0.000	0.076	0.072
0.000	0.195	0.167	0.159	0.150	0.140	0.132	0.124	0.114	0.105	0.096	0.086	0.076	0.074	0.000
0.200	0.182	0.163	0.148	0.134	0.119	0.116	0.110	0.101	0.089	0.086	0.081	0.075	0.070	0.063
0.180	0.159	0.145	0.136	0.118	0.000	0.101	0.098	0.088	0.000	0.076	0.075	0.068	0.062	0.057
0.158	0.142	0.131	0.125	0.113	0.100	0.096	0.091	0.084	0.076	0.074	0.070	0.062	0.057	0.051
0.130	0.125	0.117	0.110	0.000	0.094	0.087	0.081	0.076	0.072	0.000	0.063	0.057	0.051	0.044

Cycle 10 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								L313
16								I145
17							L321	
19							I121	
20								
22				L322	I122			
23	NS05	L314	I146					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 23/ 0
BATCH = 23 160 PINS
ASSEM RPF = 0.269 ASSEM RPD = 0.359 PLANAR RPD = 0.323 AVE/PEAK GWD/T = 2.23/ 3.42
PEAK PIN = 0.583 MAX PIN XY = 0.525 MAX CHA = 0.512 PEAK KW/FT = 3.010
@ 1, 3 @ 1, 3 @ 1, 2 PEAK W/CM = 98.744

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.525 LOCATION = 1, 3

0.000	0.000	0.525	0.496	0.000	0.425	0.377	0.339	0.305	0.278	0.000	0.208	0.173	0.000	0.000
0.000	0.000	0.499	0.471	0.443	0.402	0.360	0.328	0.292	0.264	0.235	0.200	0.167	0.000	0.000
0.000	0.000	0.489	0.457	0.425	0.390	0.355	0.321	0.289	0.257	0.226	0.195	0.165	0.000	0.000
0.000	0.000	0.484	0.450	0.416	0.384	0.351	0.317	0.285	0.253	0.222	0.192	0.164	0.000	0.000
0.000	0.000	0.482	0.447	0.411	0.381	0.349	0.316	0.283	0.251	0.219	0.191	0.163	0.000	0.000
0.000	0.000	0.481	0.445	0.412	0.381	0.348	0.315	0.283	0.251	0.219	0.189	0.163	0.000	0.000
0.000	0.000	0.482	0.445	0.412	0.382	0.352	0.323	0.286	0.251	0.219	0.190	0.163	0.000	0.000
0.000	0.000	0.478	0.445	0.409	0.382	0.357	0.000	0.290	0.251	0.217	0.190	0.162	0.000	0.000
0.000	0.000	0.484	0.446	0.410	0.379	0.352	0.323	0.286	0.249	0.218	0.190	0.163	0.000	0.000
0.000	0.000	0.483	0.448	0.415	0.381	0.349	0.316	0.283	0.250	0.220	0.190	0.163	0.000	0.000
0.000	0.000	0.486	0.450	0.416	0.383	0.349	0.313	0.283	0.251	0.220	0.191	0.164	0.000	0.000
0.000	0.000	0.493	0.457	0.420	0.385	0.351	0.317	0.284	0.252	0.221	0.193	0.166	0.000	0.000
0.000	0.000	0.496	0.459	0.426	0.390	0.354	0.319	0.286	0.254	0.223	0.192	0.165	0.000	0.000
0.000	0.000	0.498	0.469	0.439	0.398	0.357	0.321	0.287	0.256	0.226	0.193	0.163	0.000	0.000
0.000	0.000	0.507	0.484	0.000	0.406	0.359	0.320	0.285	0.256	0.000	0.192	0.159	0.000	0.000

ASSEMBLY LABEL: L313 SERIAL = L313 IA,JA,K = 10,16,13 SEG TYPE/ROT 24/ 3
BATCH = 8 216 PINS
ASSEM RPF = 0.391 ASSEM RPD = 0.386 PLANAR RPD = 0.347 AVE/PEAK GWD/T = 31.45/34.36
PEAK PIN = 0.648 MAX PIN XY = 0.584 MAX CHA = 0.571 PEAK KW/FT = 3.348
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 109.842

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.584 LOCATION = 1, 1

0.584	0.578	0.553	0.530	0.000	0.464	0.425	0.392	0.362	0.337	0.000	0.276	0.240	0.204	0.157
0.576	0.548	0.524	0.521	0.488	0.451	0.414	0.382	0.349	0.320	0.292	0.260	0.217	0.185	0.154
0.568	0.540	0.383	0.505	0.468	0.433	0.401	0.259	0.336	0.304	0.274	0.246	0.154	0.179	0.151
0.571	0.565	0.533	0.495	0.458	0.423	0.391	0.360	0.327	0.296	0.266	0.239	0.212	0.186	0.153
0.000	0.564	0.526	0.489	0.453	0.418	0.385	0.353	0.322	0.291	0.262	0.234	0.208	0.185	0.000
0.568	0.559	0.523	0.486	0.450	0.416	0.383	0.351	0.319	0.288	0.259	0.232	0.206	0.182	0.152
0.560	0.554	0.524	0.485	0.448	0.414	0.386	0.356	0.321	0.286	0.257	0.230	0.205	0.179	0.148
0.557	0.554	0.369	0.485	0.446	0.412	0.386	0.000	0.321	0.284	0.254	0.229	0.142	0.178	0.147
0.556	0.549	0.519	0.480	0.442	0.408	0.379	0.349	0.315	0.280	0.251	0.225	0.200	0.175	0.146
0.561	0.550	0.513	0.475	0.438	0.403	0.370	0.338	0.307	0.276	0.248	0.221	0.196	0.173	0.145
0.000	0.549	0.510	0.471	0.434	0.399	0.365	0.333	0.302	0.272	0.243	0.217	0.193	0.171	0.000
0.555	0.543	0.507	0.467	0.430	0.394	0.361	0.330	0.297	0.267	0.239	0.213	0.189	0.167	0.140
0.543	0.508	0.358	0.463	0.423	0.387	0.355	0.228	0.292	0.261	0.233	0.208	0.130	0.152	0.133
0.536	0.496	0.463	0.451	0.415	0.378	0.342	0.310	0.279	0.252	0.225	0.199	0.165	0.143	0.126
0.521	0.488	0.451	0.419	0.000	0.348	0.312	0.281	0.253	0.229	0.000	0.178	0.154	0.133	0.113

ASSEMBLY LABEL: I145 SERIAL = I145 IA,JA,K = 11,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.245 ASSEM RPD = 0.252 PLANAR RPD = 0.226 AVE/PEAK GWD/T = 41.32/47.01
PEAK PIN = 0.600 MAX PIN XY = 0.540 MAX CHA = 0.504 PEAK KW/FT = 3.098
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 101.625

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.540 LOCATION = 1, 1

0.540	0.496	0.452	0.415	0.000	0.338	0.305	0.277	0.252	0.231	0.000	0.188	0.165	0.142	0.117
0.515	0.466	0.427	0.402	0.360	0.313	0.292	0.267	0.240	0.212	0.199	0.180	0.154	0.133	0.114
0.495	0.448	0.409	0.381	0.328	0.000	0.268	0.253	0.220	0.000	0.179	0.168	0.145	0.127	0.109
0.482	0.447	0.403	0.366	0.328	0.287	0.271	0.248	0.221	0.191	0.177	0.159	0.141	0.125	0.104
0.000	0.427	0.370	0.349	0.323	0.296	0.271	0.245	0.219	0.194	0.172	0.150	0.127	0.117	0.000
0.449	0.397	0.000	0.326	0.316	0.293	0.267	0.241	0.216	0.191	0.166	0.137	0.000	0.106	0.094
0.431	0.395	0.346	0.330	0.309	0.286	0.263	0.239	0.211	0.184	0.160	0.136	0.114	0.104	0.089
0.420	0.387	0.349	0.322	0.299	0.275	0.255	0.000	0.204	0.176	0.153	0.131	0.113	0.099	0.085
0.408	0.372	0.324	0.307	0.286	0.263	0.241	0.217	0.192	0.167	0.144	0.123	0.103	0.094	0.081
0.401	0.351	0.000	0.283	0.271	0.248	0.224	0.200	0.177	0.155	0.134	0.111	0.000	0.087	0.078
0.000	0.355	0.303	0.281	0.256	0.230	0.206	0.184	0.162	0.142	0.124	0.108	0.092	0.085	0.000
0.380	0.346	0.306	0.272	0.238	0.203	0.187	0.167	0.146	0.124	0.113	0.102	0.090	0.081	0.070
0.361	0.321	0.285	0.258	0.215	0.000	0.166	0.152	0.128	0.000	0.100	0.094	0.081	0.072	0.064
0.340	0.302	0.269	0.244	0.211	0.177	0.158	0.140	0.122	0.104	0.096	0.086	0.074	0.066	0.058
0.314	0.284	0.253	0.224	0.000	0.167	0.144	0.125	0.109	0.097	0.000	0.076	0.067	0.059	0.051

ASSEMBLY LABEL: L321 SERIAL = L321 IA,JA,K = 12,15,13 SEG TYPE/ROT 8/ 3
BATCH = 8 216 PINS
ASSEM RPF = 0.548 ASSEM RPD = 0.541 PLANAR RPD = 0.487 AVE/PEAK GWD/T = 31.75/37.35
PEAK PIN = 0.978 MAX PIN XY = 0.881 MAX CHA = 0.855 PEAK KW/FT = 5.052
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 165.742

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.881 LOCATION = 1, 1

0.881	0.850	0.811	0.783	0.000	0.714	0.671	0.637	0.606	0.580	0.000	0.510	0.466	0.428	0.381
0.876	0.814	0.776	0.779	0.744	0.704	0.665	0.632	0.597	0.567	0.535	0.496	0.434	0.396	0.364
0.855	0.795	0.562	0.747	0.704	0.667	0.636	0.425	0.568	0.531	0.498	0.466	0.305	0.374	0.341
0.841	0.814	0.763	0.715	0.673	0.636	0.603	0.573	0.537	0.502	0.469	0.436	0.405	0.371	0.323
0.000	0.793	0.734	0.687	0.645	0.609	0.576	0.543	0.510	0.476	0.443	0.411	0.379	0.350	0.000
0.795	0.764	0.709	0.662	0.621	0.585	0.552	0.520	0.487	0.453	0.421	0.389	0.358	0.328	0.284
0.763	0.735	0.689	0.640	0.598	0.563	0.537	0.508	0.471	0.433	0.400	0.370	0.340	0.307	0.263
0.738	0.713	0.470	0.619	0.576	0.541	0.519	0.000	0.454	0.413	0.381	0.353	0.227	0.291	0.247
0.714	0.686	0.641	0.593	0.553	0.519	0.492	0.465	0.429	0.393	0.362	0.334	0.306	0.274	0.234
0.695	0.665	0.614	0.569	0.530	0.496	0.465	0.435	0.404	0.374	0.345	0.317	0.289	0.262	0.224
0.000	0.643	0.591	0.548	0.509	0.475	0.445	0.415	0.386	0.357	0.329	0.302	0.275	0.250	0.000
0.642	0.615	0.571	0.528	0.491	0.458	0.428	0.401	0.371	0.342	0.316	0.289	0.264	0.237	0.200
0.608	0.559	0.392	0.511	0.475	0.443	0.415	0.273	0.359	0.331	0.304	0.279	0.180	0.213	0.187
0.581	0.533	0.501	0.494	0.463	0.430	0.399	0.373	0.345	0.321	0.297	0.270	0.230	0.202	0.175
0.547	0.521	0.489	0.462	0.000	0.404	0.374	0.348	0.324	0.303	0.000	0.253	0.224	0.195	0.158

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 13,15,13 SEG TYPE/ROT 9/ 0
BATCH = 9 208 PINS
ASSEM RPF = 0.194 ASSEM RPD = 0.199 PLANAR RPD = 0.179 AVE/PEAK GWD/T = 41.77/48.43
PEAK PIN = 0.566 MAX PIN XY = 0.509 MAX CHA = 0.471 PEAK KW/FT = 2.923
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 95.884

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.509 LOCATION = 1, 1

0.509	0.473	0.439	0.409	0.000	0.346	0.317	0.293	0.271	0.251	0.000	0.211	0.187	0.162	0.132
0.474	0.425	0.391	0.371	0.338	0.299	0.282	0.263	0.240	0.215	0.205	0.189	0.165	0.145	0.125
0.442	0.393	0.357	0.334	0.291	0.000	0.246	0.236	0.208	0.000	0.176	0.169	0.149	0.133	0.116
0.413	0.374	0.335	0.305	0.276	0.245	0.236	0.220	0.199	0.175	0.166	0.153	0.138	0.125	0.108
0.000	0.342	0.294	0.277	0.259	0.241	0.225	0.208	0.190	0.172	0.155	0.138	0.120	0.113	0.000
0.352	0.303	0.000	0.247	0.242	0.229	0.213	0.197	0.180	0.163	0.145	0.123	0.000	0.100	0.091
0.325	0.288	0.250	0.239	0.227	0.214	0.202	0.188	0.170	0.152	0.135	0.118	0.101	0.094	0.083
0.301	0.269	0.241	0.224	0.211	0.199	0.188	0.000	0.159	0.141	0.125	0.110	0.097	0.088	0.077
0.280	0.247	0.214	0.204	0.194	0.183	0.172	0.160	0.145	0.130	0.115	0.101	0.086	0.081	0.071
0.261	0.223	0.000	0.180	0.176	0.166	0.155	0.142	0.130	0.118	0.105	0.089	0.000	0.073	0.067
0.000	0.214	0.183	0.172	0.160	0.148	0.138	0.127	0.116	0.105	0.095	0.085	0.074	0.070	0.000
0.222	0.199	0.176	0.159	0.143	0.127	0.121	0.113	0.102	0.090	0.085	0.079	0.072	0.066	0.058
0.198	0.174	0.157	0.145	0.126	0.000	0.105	0.100	0.089	0.000	0.075	0.072	0.064	0.058	0.052
0.174	0.155	0.141	0.133	0.120	0.105	0.099	0.092	0.084	0.075	0.072	0.067	0.059	0.052	0.047
0.144	0.136	0.126	0.116	0.000	0.097	0.088	0.081	0.075	0.070	0.000	0.059	0.053	0.047	0.040

ASSEMBLY LABEL: I122 SERIAL = I122 IA,JA,K = 15,13,13 SEG TYPE/ROT 9/ 0
BATCH = 9 208 PINS
ASSEM RPF = 0.192 ASSEM RPD = 0.197 PLANAR RPD = 0.177 AVE/PEAK GWD/T = 41.77/48.44
PEAK PIN = 0.560 MAX PIN XY = 0.504 MAX CHA = 0.466 PEAK KW/FT = 2.893
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 94.910

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.504 LOCATION = 1, 1

0.504	0.470	0.438	0.410	0.000	0.350	0.323	0.300	0.278	0.259	0.000	0.221	0.198	0.173	0.144
0.468	0.421	0.389	0.371	0.339	0.301	0.286	0.268	0.246	0.222	0.213	0.198	0.174	0.155	0.135
0.435	0.388	0.354	0.333	0.291	0.000	0.248	0.239	0.213	0.000	0.182	0.176	0.156	0.141	0.125
0.405	0.368	0.331	0.303	0.275	0.245	0.237	0.222	0.203	0.179	0.171	0.159	0.145	0.132	0.116
0.000	0.335	0.289	0.274	0.257	0.241	0.226	0.210	0.193	0.175	0.159	0.143	0.125	0.119	0.000
0.342	0.296	0.000	0.243	0.239	0.227	0.213	0.198	0.182	0.165	0.147	0.126	0.000	0.104	0.097
0.314	0.280	0.243	0.234	0.223	0.212	0.201	0.187	0.171	0.154	0.137	0.121	0.104	0.098	0.088
0.290	0.260	0.234	0.218	0.206	0.195	0.186	0.000	0.159	0.141	0.126	0.112	0.100	0.091	0.081
0.268	0.238	0.207	0.198	0.189	0.179	0.169	0.158	0.144	0.129	0.116	0.102	0.088	0.083	0.075
0.248	0.213	0.000	0.173	0.170	0.161	0.151	0.140	0.129	0.117	0.105	0.090	0.000	0.075	0.070
0.000	0.203	0.174	0.165	0.154	0.143	0.134	0.124	0.114	0.104	0.094	0.085	0.075	0.072	0.000
0.208	0.187	0.167	0.152	0.137	0.122	0.117	0.109	0.100	0.088	0.084	0.078	0.072	0.066	0.059
0.185	0.163	0.147	0.137	0.119	0.000	0.101	0.097	0.086	0.000	0.074	0.071	0.064	0.058	0.053
0.160	0.143	0.131	0.124	0.112	0.099	0.094	0.087	0.080	0.072	0.070	0.065	0.058	0.052	0.047
0.131	0.124	0.115	0.107	0.000	0.090	0.083	0.077	0.071	0.066	0.000	0.057	0.052	0.046	0.040

ASSEMBLY LABEL: L322 SERIAL = L322 IA,JA,K = 15,12,13 SEG TYPE/ROT 8/ 1
BATCH = 8 216 PINS
ASSEM RPF = 0.543 ASSEM RPD = 0.536 PLANAR RPD = 0.482 AVE/PEAK GWD/T = 31.75/37.39
PEAK PIN = 0.967 MAX PIN XY = 0.870 MAX CHA = 0.846 PEAK KW/FT = 4.993
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 163.797

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.870 LOCATION = 1, 1

0.870	0.867	0.846	0.832	0.000	0.787	0.756	0.731	0.707	0.690	0.000	0.637	0.604	0.576	0.543
0.841	0.805	0.786	0.805	0.785	0.757	0.728	0.706	0.680	0.659	0.638	0.610	0.555	0.529	0.517
0.801	0.767	0.556	0.755	0.727	0.702	0.682	0.465	0.635	0.608	0.586	0.566	0.389	0.497	0.485
0.774	0.770	0.739	0.707	0.680	0.655	0.634	0.613	0.588	0.564	0.543	0.524	0.507	0.490	0.459
0.000	0.735	0.696	0.665	0.639	0.614	0.592	0.570	0.547	0.525	0.505	0.487	0.471	0.459	0.000
0.705	0.695	0.659	0.629	0.603	0.579	0.558	0.536	0.514	0.491	0.471	0.454	0.439	0.427	0.401
0.663	0.657	0.629	0.597	0.569	0.547	0.531	0.514	0.487	0.461	0.441	0.425	0.412	0.396	0.371
0.630	0.625	0.420	0.566	0.537	0.515	0.503	0.000	0.460	0.431	0.411	0.397	0.271	0.369	0.345
0.599	0.590	0.562	0.531	0.504	0.482	0.466	0.449	0.425	0.401	0.382	0.368	0.356	0.342	0.321
0.574	0.560	0.526	0.497	0.471	0.449	0.429	0.409	0.389	0.371	0.354	0.339	0.328	0.319	0.300
0.000	0.529	0.493	0.464	0.439	0.416	0.396	0.378	0.359	0.341	0.326	0.313	0.302	0.294	0.000
0.505	0.491	0.461	0.432	0.407	0.385	0.366	0.349	0.330	0.314	0.299	0.287	0.277	0.267	0.251
0.462	0.430	0.302	0.401	0.376	0.354	0.337	0.225	0.303	0.286	0.272	0.261	0.178	0.228	0.223
0.424	0.393	0.370	0.367	0.347	0.324	0.304	0.288	0.272	0.259	0.248	0.234	0.211	0.200	0.194
0.378	0.362	0.338	0.321	0.000	0.281	0.261	0.245	0.231	0.222	0.000	0.198	0.185	0.173	0.156

ASSEMBLY LABEL: I146 SERIAL = I146 IA,JA,K = 16,11,13 SEG TYPE/ROT 10/ 0
BATCH = 9 208 PINS
ASSEM RPF = 0.244 ASSEM RPD = 0.250 PLANAR RPD = 0.225 AVE/PEAK GWD/T = 41.35/49.90
PEAK PIN = 0.564 MAX PIN XY = 0.508 MAX CHA = 0.478 PEAK KW/FT = 2.913
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 95.582

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.508 LOCATION = 1, 1

0.508	0.495	0.483	0.475	0.000	0.445	0.429	0.418	0.407	0.401	0.000	0.382	0.366	0.350	0.330
0.462	0.446	0.437	0.440	0.422	0.394	0.393	0.385	0.371	0.351	0.355	0.349	0.326	0.313	0.302
0.420	0.408	0.398	0.397	0.367	0.000	0.344	0.348	0.324	0.000	0.304	0.309	0.290	0.279	0.270
0.384	0.382	0.371	0.361	0.346	0.324	0.328	0.321	0.307	0.283	0.282	0.274	0.263	0.255	0.239
0.000	0.342	0.319	0.323	0.320	0.314	0.308	0.298	0.286	0.271	0.257	0.240	0.220	0.221	0.000
0.313	0.298	0.000	0.283	0.293	0.291	0.285	0.275	0.264	0.249	0.231	0.206	0.000	0.185	0.180
0.281	0.277	0.261	0.267	0.269	0.266	0.263	0.255	0.242	0.225	0.208	0.190	0.170	0.167	0.156
0.255	0.254	0.246	0.244	0.243	0.241	0.239	0.000	0.218	0.201	0.186	0.170	0.156	0.148	0.137
0.231	0.228	0.214	0.218	0.218	0.216	0.212	0.205	0.193	0.179	0.164	0.149	0.133	0.129	0.120
0.211	0.201	0.000	0.188	0.193	0.191	0.185	0.177	0.168	0.157	0.144	0.127	0.000	0.111	0.107
0.000	0.188	0.174	0.175	0.171	0.166	0.160	0.154	0.145	0.136	0.127	0.116	0.105	0.103	0.000
0.171	0.171	0.164	0.157	0.149	0.138	0.137	0.132	0.124	0.113	0.110	0.105	0.098	0.092	0.085
0.150	0.146	0.142	0.140	0.127	0.000	0.115	0.114	0.104	0.000	0.094	0.093	0.085	0.080	0.075
0.129	0.127	0.124	0.123	0.116	0.107	0.105	0.101	0.095	0.088	0.088	0.084	0.076	0.070	0.066
0.108	0.109	0.106	0.103	0.000	0.094	0.089	0.086	0.082	0.079	0.000	0.072	0.067	0.062	0.056

ASSEMBLY LABEL: L314 SERIAL = L314 IA,JA,K = 16,10,13 SEG TYPE/ROT 24/ 0
BATCH = 8 216 PINS
ASSEM RPF = 0.386 ASSEM RPD = 0.381 PLANAR RPD = 0.343 AVE/PEAK GWD/T = 31.43/34.42
PEAK PIN = 0.624 MAX PIN XY = 0.562 MAX CHA = 0.558 PEAK KW/FT = 3.224
@ 1, 4 @ 1, 4 @ 1, 4 PEAK W/CM = 105.778

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.562 LOCATION = 1, 4

0.546	0.552	0.554	0.562	0.000	0.562	0.554	0.552	0.551	0.556	0.000	0.553	0.546	0.548	0.547
0.536	0.524	0.526	0.555	0.557	0.553	0.549	0.548	0.544	0.545	0.545	0.541	0.511	0.508	0.517
0.511	0.500	0.375	0.524	0.520	0.518	0.519	0.365	0.514	0.508	0.506	0.506	0.357	0.475	0.478
0.488	0.495	0.491	0.486	0.483	0.481	0.480	0.480	0.475	0.471	0.468	0.466	0.466	0.464	0.446
0.000	0.463	0.454	0.450	0.447	0.445	0.443	0.441	0.438	0.434	0.431	0.428	0.426	0.428	0.000
0.425	0.427	0.420	0.415	0.412	0.411	0.409	0.407	0.404	0.399	0.395	0.392	0.390	0.389	0.372
0.389	0.392	0.389	0.383	0.379	0.378	0.381	0.382	0.375	0.367	0.362	0.359	0.358	0.352	0.333
0.359	0.361	0.252	0.352	0.347	0.346	0.351	0.000	0.346	0.335	0.330	0.329	0.228	0.320	0.301
0.330	0.330	0.325	0.319	0.316	0.314	0.316	0.317	0.311	0.303	0.299	0.296	0.294	0.288	0.271
0.306	0.301	0.293	0.288	0.285	0.284	0.282	0.280	0.277	0.273	0.269	0.266	0.263	0.260	0.246
0.000	0.273	0.264	0.259	0.256	0.255	0.253	0.251	0.248	0.245	0.241	0.238	0.235	0.234	0.000
0.249	0.243	0.237	0.232	0.229	0.227	0.226	0.225	0.222	0.218	0.215	0.213	0.210	0.206	0.194
0.217	0.203	0.148	0.206	0.203	0.202	0.201	0.140	0.197	0.194	0.191	0.189	0.131	0.171	0.167
0.185	0.174	0.172	0.180	0.180	0.178	0.175	0.174	0.172	0.171	0.170	0.166	0.154	0.149	0.145
0.143	0.145	0.145	0.148	0.000	0.148	0.145	0.144	0.143	0.144	0.000	0.139	0.134	0.130	0.121

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 23/ 1
BATCH = 23 160 PINS
ASSEM RPF = 0.268 ASSEM RPD = 0.357 PLANAR RPD = 0.321 AVE/PEAK GWD/T = 2.23/ 3.43
PEAK PIN = 0.579 MAX PIN XY = 0.521 MAX CHA = 0.510 PEAK KW/FT = 2.991
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 98.135

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.521 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.521	0.499	0.492	0.488	0.481	0.478	0.480	0.476	0.480	0.480	0.482	0.483	0.487	0.492	0.506
0.498	0.471	0.456	0.453	0.446	0.444	0.443	0.442	0.443	0.444	0.446	0.449	0.454	0.464	0.478
0.000	0.442	0.425	0.417	0.413	0.412	0.408	0.406	0.410	0.410	0.409	0.414	0.421	0.434	0.000
0.422	0.402	0.390	0.383	0.380	0.378	0.376	0.379	0.379	0.378	0.379	0.381	0.385	0.393	0.405
0.377	0.363	0.355	0.350	0.348	0.347	0.350	0.355	0.349	0.345	0.345	0.347	0.349	0.349	0.355
0.339	0.328	0.321	0.316	0.312	0.314	0.321	0.000	0.321	0.312	0.312	0.312	0.314	0.316	0.317
0.305	0.294	0.288	0.284	0.282	0.282	0.284	0.288	0.283	0.280	0.280	0.280	0.282	0.280	0.282
0.276	0.264	0.256	0.252	0.250	0.249	0.247	0.249	0.249	0.248	0.248	0.248	0.250	0.252	0.255
0.000	0.234	0.225	0.221	0.219	0.218	0.216	0.215	0.217	0.217	0.216	0.217	0.219	0.223	0.000
0.209	0.199	0.194	0.193	0.190	0.189	0.188	0.188	0.188	0.186	0.188	0.189	0.189	0.191	0.190
0.172	0.167	0.165	0.165	0.162	0.161	0.162	0.160	0.162	0.161	0.162	0.161	0.161	0.160	0.159
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Cycle 11 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								M445
16								L313
17							M221	
19							L202	
20								
22				M222	L133			
23	NS05	M446	L314					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 23/ 0
BATCH = 23 160 PINS
ASSEM RPF = 0.247 ASSEM RPD = 0.328 PLANAR RPD = 0.305 AVE/PEAK GWD/T = 6.35/ 7.60
PEAK PIN = 0.545 MAX PIN XY = 0.507 MAX CHA = 0.493 PEAK KW/FT = 2.767
@ 1, 3 @ 1, 3 @ 14, 2 PEAK W/CM = 90.766

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.507 LOCATION = 1, 3

0.000	0.000	0.507	0.473	0.000	0.397	0.355	0.320	0.290	0.264	0.000	0.206	0.176	0.000	0.000
0.000	0.000	0.475	0.439	0.411	0.372	0.339	0.307	0.279	0.252	0.227	0.197	0.172	0.000	0.000
0.000	0.000	0.455	0.420	0.390	0.359	0.326	0.300	0.269	0.245	0.218	0.193	0.169	0.000	0.000
0.000	0.000	0.450	0.410	0.381	0.352	0.323	0.293	0.268	0.241	0.215	0.190	0.169	0.000	0.000
0.000	0.000	0.446	0.408	0.374	0.348	0.319	0.293	0.265	0.240	0.213	0.190	0.169	0.000	0.000
0.000	0.000	0.442	0.403	0.375	0.347	0.320	0.292	0.266	0.239	0.214	0.189	0.169	0.000	0.000
0.000	0.000	0.439	0.403	0.374	0.348	0.321	0.298	0.267	0.240	0.213	0.189	0.168	0.000	0.000
0.000	0.000	0.442	0.403	0.375	0.348	0.326	0.000	0.270	0.239	0.213	0.189	0.169	0.000	0.000
0.000	0.000	0.442	0.406	0.377	0.349	0.322	0.299	0.267	0.240	0.213	0.189	0.168	0.000	0.000
0.000	0.000	0.448	0.409	0.377	0.350	0.322	0.293	0.266	0.239	0.213	0.189	0.169	0.000	0.000
0.000	0.000	0.453	0.413	0.382	0.352	0.321	0.294	0.265	0.239	0.212	0.189	0.169	0.000	0.000
0.000	0.000	0.461	0.421	0.387	0.357	0.326	0.297	0.268	0.240	0.214	0.190	0.169	0.000	0.000
0.000	0.000	0.470	0.429	0.397	0.364	0.328	0.300	0.268	0.242	0.216	0.190	0.169	0.000	0.000
0.000	0.000	0.486	0.446	0.415	0.375	0.337	0.304	0.273	0.244	0.220	0.191	0.168	0.000	0.000
0.000	0.000	0.500	0.467	0.000	0.388	0.343	0.305	0.274	0.247	0.000	0.189	0.162	0.000	0.000

ASSEMBLY LABEL: M445 SERIAL = M445 IA,JA,K = 10,16,13 SEG TYPE/ROT 14/ 3
BATCH = 14 216 PINS
ASSEM RPF = 0.370 ASSEM RPD = 0.365 PLANAR RPD = 0.339 AVE/PEAK GWD/T = 28.99/31.68
PEAK PIN = 0.630 MAX PIN XY = 0.585 MAX CHA = 0.563 PEAK KW/FT = 3.194
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 104.793

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.585 LOCATION = 1, 1

0.585	0.562	0.530	0.503	0.000	0.430	0.390	0.357	0.327	0.302	0.000	0.245	0.212	0.180	0.141
0.570	0.534	0.521	0.490	0.456	0.415	0.376	0.343	0.312	0.285	0.259	0.229	0.199	0.166	0.138
0.565	0.547	0.514	0.511	0.469	0.428	0.390	0.354	0.321	0.290	0.261	0.232	0.191	0.166	0.137
0.572	0.551	0.547	0.411	0.465	0.423	0.384	0.348	0.315	0.283	0.254	0.226	0.200	0.165	0.138
0.000	0.554	0.545	0.504	0.460	0.419	0.380	0.344	0.311	0.279	0.250	0.223	0.197	0.164	0.000
0.572	0.549	0.542	0.499	0.457	0.416	0.378	0.343	0.309	0.276	0.247	0.220	0.195	0.161	0.137
0.561	0.541	0.538	0.496	0.453	0.414	0.381	0.348	0.310	0.274	0.244	0.217	0.192	0.158	0.134
0.556	0.537	0.534	0.492	0.450	0.411	0.381	0.000	0.310	0.272	0.242	0.215	0.190	0.156	0.132
0.552	0.532	0.529	0.487	0.445	0.406	0.373	0.340	0.304	0.268	0.239	0.212	0.188	0.154	0.131
0.554	0.531	0.523	0.481	0.439	0.400	0.363	0.329	0.295	0.264	0.236	0.210	0.186	0.154	0.131
0.000	0.525	0.516	0.476	0.434	0.394	0.357	0.323	0.291	0.261	0.233	0.208	0.183	0.153	0.000
0.534	0.512	0.507	0.380	0.427	0.387	0.351	0.317	0.286	0.257	0.231	0.166	0.181	0.149	0.125
0.515	0.495	0.462	0.456	0.417	0.379	0.344	0.311	0.280	0.252	0.226	0.201	0.165	0.143	0.120
0.505	0.466	0.449	0.418	0.385	0.349	0.314	0.284	0.257	0.233	0.210	0.185	0.160	0.134	0.115
0.501	0.466	0.430	0.402	0.000	0.335	0.300	0.272	0.246	0.225	0.000	0.177	0.153	0.131	0.108

ASSEMBLY LABEL: L313 SERIAL = L313 IA,JA,K = 11,16,13 SEG TYPE/ROT 24/ 3
BATCH = 24 202 PINS
ASSEM RPF = 0.232 ASSEM RPD = 0.244 PLANAR RPD = 0.227 AVE/PEAK GWD/T = 35.13/40.20
PEAK PIN = 0.498 MAX PIN XY = 0.463 MAX CHA = 0.449 PEAK KW/FT = 2.528
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 82.943

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.463 LOCATION = 2, 1

0.000	0.000	0.430	0.403	0.000	0.342	0.309	0.281	0.256	0.235	0.000	0.000	0.000	0.000	0.000
0.463	0.435	0.411	0.402	0.374	0.343	0.312	0.286	0.259	0.236	0.215	0.192	0.163	0.000	0.000
0.441	0.418	0.307	0.388	0.358	0.330	0.304	0.203	0.253	0.228	0.206	0.185	0.120	0.137	0.000
0.429	0.423	0.400	0.373	0.345	0.318	0.293	0.269	0.244	0.220	0.198	0.178	0.158	0.138	0.000
0.000	0.409	0.384	0.358	0.332	0.307	0.282	0.258	0.235	0.212	0.191	0.171	0.151	0.133	0.000
0.398	0.393	0.370	0.346	0.320	0.296	0.272	0.249	0.227	0.205	0.184	0.164	0.145	0.126	0.102
0.379	0.376	0.358	0.333	0.308	0.285	0.265	0.244	0.220	0.197	0.177	0.158	0.139	0.120	0.096
0.364	0.362	0.253	0.321	0.296	0.273	0.255	0.000	0.212	0.188	0.169	0.151	0.097	0.114	0.091
0.350	0.347	0.329	0.305	0.282	0.260	0.241	0.222	0.200	0.178	0.160	0.142	0.126	0.108	0.086
0.340	0.334	0.313	0.290	0.267	0.246	0.225	0.205	0.186	0.167	0.150	0.133	0.118	0.102	0.082
0.000	0.320	0.298	0.275	0.252	0.231	0.211	0.191	0.173	0.155	0.139	0.124	0.109	0.095	0.000
0.310	0.302	0.282	0.259	0.237	0.215	0.196	0.177	0.159	0.142	0.127	0.113	0.100	0.087	0.071
0.290	0.272	0.197	0.242	0.219	0.198	0.179	0.118	0.144	0.128	0.114	0.101	0.066	0.075	0.064
0.000	0.252	0.232	0.222	0.200	0.179	0.159	0.141	0.125	0.112	0.099	0.087	0.074	0.065	0.000
0.000	0.233	0.212	0.194	0.000	0.153	0.133	0.116	0.102	0.091	0.000	0.070	0.061	0.055	0.000

ASSEMBLY LABEL: M221 SERIAL = M221 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 216 PINS
ASSEM RPF = 0.422 ASSEM RPD = 0.416 PLANAR RPD = 0.387 AVE/PEAK GWD/T = 30.77/34.05
PEAK PIN = 0.779 MAX PIN XY = 0.724 MAX CHA = 0.690 PEAK KW/FT = 3.950
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 129.601

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.724 LOCATION = 1, 1

0.724	0.676	0.636	0.607	0.000	0.540	0.501	0.471	0.445	0.425	0.000	0.371	0.339	0.312	0.284
0.712	0.647	0.625	0.592	0.562	0.523	0.486	0.457	0.429	0.407	0.384	0.353	0.323	0.287	0.267
0.698	0.651	0.607	0.604	0.466	0.530	0.494	0.463	0.434	0.408	0.313	0.352	0.304	0.279	0.249
0.692	0.642	0.628	0.584	0.545	0.508	0.474	0.443	0.413	0.386	0.360	0.332	0.306	0.264	0.236
0.000	0.630	0.504	0.566	0.524	0.488	0.455	0.424	0.395	0.367	0.340	0.315	0.238	0.251	0.000
0.657	0.608	0.592	0.546	0.506	0.471	0.439	0.409	0.379	0.351	0.324	0.298	0.273	0.234	0.205
0.630	0.583	0.571	0.527	0.489	0.455	0.428	0.401	0.369	0.336	0.308	0.283	0.257	0.218	0.189
0.608	0.564	0.551	0.509	0.471	0.439	0.416	0.000	0.357	0.322	0.295	0.269	0.244	0.206	0.177
0.589	0.546	0.533	0.492	0.455	0.422	0.397	0.371	0.340	0.309	0.282	0.257	0.233	0.196	0.167
0.575	0.531	0.517	0.475	0.438	0.406	0.377	0.349	0.322	0.296	0.271	0.247	0.224	0.188	0.161
0.000	0.515	0.411	0.459	0.423	0.392	0.363	0.335	0.310	0.285	0.261	0.238	0.177	0.181	0.000
0.528	0.490	0.478	0.442	0.410	0.379	0.351	0.324	0.300	0.276	0.253	0.230	0.206	0.172	0.145
0.499	0.465	0.432	0.427	0.328	0.368	0.340	0.315	0.291	0.269	0.204	0.223	0.187	0.164	0.136
0.478	0.433	0.416	0.392	0.368	0.340	0.313	0.290	0.269	0.250	0.231	0.207	0.183	0.154	0.129
0.464	0.432	0.404	0.382	0.000	0.333	0.306	0.285	0.265	0.248	0.000	0.205	0.180	0.154	0.122

ASSEMBLY LABEL: L202 SERIAL = L202 IA,JA,K = 13,15,13 SEG TYPE/ROT 21/ 0
BATCH = 21 202 PINS
ASSEM RPF = 0.161 ASSEM RPD = 0.169 PLANAR RPD = 0.157 AVE/PEAK GWD/T = 41.58/44.89
PEAK PIN = 0.413 MAX PIN XY = 0.383 MAX CHA = 0.365 PEAK KW/FT = 2.093
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 68.652

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.383 LOCATION = 2, 1

0.000	0.000	0.357	0.336	0.000	0.290	0.264	0.243	0.222	0.204	0.000	0.166	0.145	0.126	0.000
0.383	0.347	0.324	0.313	0.292	0.269	0.247	0.228	0.208	0.191	0.173	0.155	0.133	0.116	0.000
0.358	0.324	0.284	0.290	0.269	0.249	0.230	0.193	0.195	0.177	0.161	0.145	0.117	0.109	0.095
0.339	0.315	0.291	0.269	0.250	0.231	0.214	0.197	0.181	0.165	0.150	0.135	0.121	0.107	0.090
0.000	0.294	0.270	0.250	0.232	0.215	0.199	0.184	0.169	0.154	0.140	0.126	0.113	0.101	0.000
0.294	0.272	0.251	0.233	0.215	0.200	0.186	0.172	0.158	0.144	0.131	0.118	0.106	0.094	0.079
0.269	0.251	0.233	0.216	0.200	0.186	0.175	0.162	0.149	0.135	0.122	0.110	0.099	0.087	0.072
0.248	0.232	0.196	0.200	0.185	0.172	0.163	0.000	0.139	0.125	0.114	0.103	0.084	0.081	0.067
0.228	0.212	0.198	0.183	0.170	0.159	0.149	0.139	0.128	0.116	0.105	0.095	0.085	0.075	0.062
0.210	0.195	0.180	0.168	0.156	0.146	0.136	0.126	0.116	0.106	0.097	0.088	0.078	0.069	0.058
0.000	0.178	0.164	0.153	0.142	0.133	0.123	0.115	0.106	0.097	0.088	0.080	0.072	0.064	0.000
0.171	0.160	0.149	0.138	0.129	0.120	0.112	0.104	0.096	0.088	0.080	0.073	0.066	0.058	0.000
0.151	0.137	0.121	0.124	0.116	0.108	0.100	0.085	0.086	0.079	0.072	0.066	0.054	0.051	0.000
0.132	0.121	0.113	0.110	0.103	0.096	0.088	0.082	0.076	0.070	0.065	0.059	0.051	0.000	0.000
0.000	0.000	0.098	0.093	0.000	0.081	0.074	0.068	0.063	0.059	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: L133 SERIAL = L133 IA,JA,K = 15,13,13 SEG TYPE/ROT 15/ 0
BATCH = 15 202 PINS
ASSEM RPF = 0.160 ASSEM RPD = 0.169 PLANAR RPD = 0.157 AVE/PEAK GWD/T = 42.40/46.62
PEAK PIN = 0.414 MAX PIN XY = 0.385 MAX CHA = 0.366 PEAK KW/FT = 2.101
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 68.943

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.385 LOCATION = 2, 1

0.000	0.000	0.361	0.340	0.000	0.294	0.269	0.248	0.228	0.210	0.000	0.172	0.151	0.132	0.000
0.385	0.347	0.323	0.312	0.292	0.271	0.249	0.229	0.211	0.194	0.177	0.159	0.136	0.120	0.000
0.358	0.322	0.298	0.287	0.267	0.248	0.230	0.212	0.195	0.178	0.162	0.146	0.126	0.112	0.098
0.337	0.311	0.286	0.266	0.247	0.230	0.213	0.197	0.181	0.166	0.151	0.136	0.122	0.109	0.092
0.000	0.290	0.266	0.247	0.229	0.213	0.198	0.183	0.168	0.154	0.140	0.127	0.114	0.102	0.000
0.290	0.268	0.246	0.229	0.212	0.198	0.184	0.170	0.157	0.144	0.131	0.119	0.106	0.094	0.080
0.265	0.245	0.227	0.211	0.197	0.184	0.173	0.161	0.148	0.134	0.122	0.110	0.099	0.087	0.073
0.243	0.225	0.209	0.195	0.182	0.170	0.161	0.000	0.138	0.124	0.113	0.102	0.092	0.081	0.068
0.223	0.207	0.192	0.179	0.167	0.156	0.147	0.138	0.126	0.115	0.105	0.095	0.085	0.075	0.063
0.205	0.190	0.176	0.164	0.153	0.143	0.133	0.124	0.115	0.105	0.096	0.087	0.078	0.070	0.058
0.000	0.173	0.159	0.149	0.139	0.130	0.121	0.113	0.104	0.096	0.088	0.080	0.072	0.064	0.000
0.167	0.155	0.144	0.134	0.126	0.118	0.110	0.102	0.095	0.087	0.080	0.073	0.065	0.058	0.000
0.146	0.133	0.124	0.120	0.113	0.106	0.098	0.091	0.085	0.078	0.072	0.065	0.057	0.051	0.000
0.128	0.117	0.110	0.107	0.101	0.094	0.087	0.081	0.075	0.070	0.064	0.058	0.051	0.000	0.000
0.000	0.000	0.096	0.091	0.000	0.080	0.073	0.068	0.063	0.058	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M222 SERIAL = M222 IA,JA,K = 15,12,13 SEG TYPE/ROT 12/ 1
BATCH = 12 216 PINS
ASSEM RPF = 0.420 ASSEM RPD = 0.413 PLANAR RPD = 0.384 AVE/PEAK GWD/T = 30.55/33.89
PEAK PIN = 0.781 MAX PIN XY = 0.726 MAX CHA = 0.691 PEAK KW/FT = 3.963
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 130.031

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.726 LOCATION = 1, 1

0.726	0.715	0.700	0.693	0.000	0.658	0.630	0.609	0.589	0.575	0.000	0.528	0.498	0.477	0.464
0.676	0.647	0.652	0.643	0.631	0.608	0.583	0.564	0.545	0.531	0.514	0.490	0.464	0.433	0.432
0.634	0.624	0.606	0.628	0.504	0.592	0.571	0.551	0.532	0.516	0.410	0.477	0.431	0.415	0.403
0.604	0.590	0.603	0.583	0.565	0.545	0.526	0.508	0.491	0.474	0.458	0.441	0.426	0.391	0.381
0.000	0.558	0.464	0.544	0.523	0.504	0.487	0.470	0.453	0.437	0.422	0.409	0.326	0.367	0.000
0.534	0.519	0.527	0.505	0.486	0.469	0.453	0.437	0.421	0.405	0.390	0.377	0.367	0.339	0.332
0.494	0.481	0.490	0.470	0.452	0.437	0.426	0.414	0.395	0.375	0.361	0.349	0.339	0.311	0.305
0.463	0.451	0.458	0.439	0.421	0.406	0.399	0.000	0.369	0.348	0.334	0.323	0.313	0.288	0.283
0.436	0.423	0.428	0.409	0.391	0.376	0.366	0.355	0.337	0.320	0.308	0.298	0.290	0.267	0.263
0.415	0.399	0.401	0.381	0.363	0.347	0.333	0.320	0.306	0.294	0.283	0.274	0.268	0.249	0.246
0.000	0.375	0.307	0.354	0.336	0.320	0.305	0.292	0.280	0.269	0.259	0.252	0.202	0.229	0.000
0.359	0.344	0.344	0.326	0.310	0.294	0.279	0.267	0.255	0.245	0.237	0.228	0.222	0.206	0.203
0.326	0.314	0.296	0.299	0.233	0.269	0.254	0.241	0.231	0.222	0.175	0.205	0.186	0.181	0.178
0.299	0.277	0.270	0.258	0.245	0.230	0.215	0.203	0.194	0.187	0.180	0.171	0.163	0.153	0.152
0.270	0.255	0.240	0.228	0.000	0.201	0.186	0.175	0.166	0.159	0.000	0.144	0.135	0.128	0.121

ASSEMBLY LABEL: L314 SERIAL = L314 IA,JA,K = 16,11,13 SEG TYPE/ROT 24/ 0
BATCH = 24 202 PINS
ASSEM RPF = 0.207 ASSEM RPD = 0.218 PLANAR RPD = 0.203 AVE/PEAK GWD/T = 34.81/38.75
PEAK PIN = 0.407 MAX PIN XY = 0.378 MAX CHA = 0.368 PEAK KW/FT = 2.064
@ 1, 3 @ 1, 3 @ 1, 3 PEAK W/CM = 67.730

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.378 LOCATION = 1, 3

0.000	0.000	0.378	0.372	0.000	0.353	0.338	0.327	0.318	0.311	0.000	0.289	0.273	0.262	0.000
0.367	0.360	0.357	0.366	0.358	0.347	0.335	0.325	0.313	0.304	0.293	0.280	0.255	0.243	0.000
0.341	0.339	0.262	0.345	0.336	0.326	0.317	0.225	0.296	0.283	0.271	0.260	0.183	0.225	0.213
0.321	0.332	0.329	0.322	0.313	0.304	0.295	0.285	0.273	0.262	0.250	0.238	0.226	0.214	0.193
0.000	0.309	0.304	0.298	0.290	0.281	0.272	0.263	0.252	0.240	0.228	0.217	0.204	0.193	0.000
0.274	0.284	0.281	0.276	0.268	0.260	0.252	0.242	0.231	0.220	0.208	0.196	0.184	0.171	0.151
0.248	0.260	0.260	0.254	0.247	0.240	0.234	0.226	0.215	0.201	0.189	0.178	0.166	0.151	0.131
0.227	0.238	0.175	0.234	0.227	0.220	0.216	0.000	0.197	0.183	0.172	0.161	0.108	0.135	0.115
0.207	0.217	0.217	0.213	0.207	0.200	0.195	0.188	0.178	0.165	0.155	0.144	0.133	0.119	0.101
0.189	0.198	0.196	0.193	0.187	0.181	0.175	0.167	0.158	0.149	0.139	0.129	0.118	0.106	0.090
0.000	0.179	0.177	0.174	0.169	0.163	0.157	0.150	0.142	0.133	0.125	0.115	0.105	0.095	0.000
0.151	0.159	0.159	0.155	0.151	0.146	0.140	0.134	0.127	0.119	0.111	0.103	0.094	0.085	0.000
0.131	0.133	0.103	0.138	0.133	0.129	0.124	0.086	0.113	0.106	0.099	0.092	0.061	0.072	0.000
0.114	0.115	0.115	0.119	0.116	0.112	0.107	0.102	0.097	0.092	0.087	0.081	0.071	0.000	0.000
0.000	0.000	0.097	0.096	0.000	0.090	0.085	0.082	0.078	0.075	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M446 SERIAL = M446 IA,JA,K = 16,10,13 SEG TYPE/ROT 14/ 0
BATCH = 14 216 PINS
ASSEM RPF = 0.334 ASSEM RPD = 0.329 PLANAR RPD = 0.306 AVE/PEAK GWD/T = 28.52/31.49
PEAK PIN = 0.579 MAX PIN XY = 0.538 MAX CHA = 0.518 PEAK KW/FT = 2.937
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 96.350

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.538 LOCATION = 1, 1

0.538	0.528	0.522	0.524	0.000	0.510	0.495	0.486	0.479	0.478	0.000	0.463	0.450	0.449	0.454
0.514	0.492	0.502	0.502	0.499	0.489	0.477	0.469	0.462	0.459	0.454	0.444	0.434	0.416	0.426
0.483	0.478	0.472	0.499	0.492	0.484	0.476	0.468	0.461	0.455	0.448	0.442	0.407	0.403	0.397
0.457	0.448	0.469	0.375	0.456	0.448	0.440	0.434	0.427	0.421	0.417	0.332	0.406	0.379	0.373
0.000	0.416	0.431	0.425	0.418	0.411	0.405	0.399	0.393	0.387	0.382	0.378	0.373	0.352	0.000
0.389	0.380	0.394	0.388	0.382	0.377	0.372	0.367	0.361	0.355	0.349	0.345	0.341	0.320	0.316
0.351	0.343	0.359	0.353	0.348	0.344	0.344	0.343	0.334	0.324	0.319	0.314	0.311	0.290	0.284
0.320	0.312	0.326	0.320	0.316	0.313	0.316	0.000	0.307	0.295	0.290	0.286	0.283	0.263	0.258
0.291	0.283	0.295	0.290	0.286	0.283	0.283	0.281	0.275	0.267	0.262	0.259	0.257	0.239	0.234
0.268	0.258	0.266	0.261	0.257	0.254	0.251	0.248	0.244	0.240	0.236	0.233	0.232	0.218	0.215
0.000	0.233	0.239	0.235	0.231	0.227	0.224	0.221	0.218	0.214	0.211	0.209	0.208	0.197	0.000
0.215	0.206	0.213	0.170	0.206	0.203	0.199	0.197	0.194	0.191	0.189	0.186	0.185	0.173	0.171
0.186	0.179	0.175	0.185	0.182	0.179	0.177	0.174	0.172	0.169	0.167	0.165	0.152	0.151	0.147
0.158	0.149	0.152	0.152	0.151	0.148	0.145	0.143	0.141	0.140	0.139	0.136	0.132	0.126	0.126
0.125	0.125	0.126	0.128	0.000	0.126	0.122	0.120	0.119	0.119	0.000	0.115	0.111	0.108	0.104

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 23/ 1
BATCH = 23 160 PINS
ASSEM RPF = 0.248 ASSEM RPD = 0.330 PLANAR RPD = 0.307 AVE/PEAK GWD/T = 6.33/ 7.45
PEAK PIN = 0.542 MAX PIN XY = 0.504 MAX CHA = 0.494 PEAK KW/FT = 2.751
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 90.252

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.504 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.504	0.484	0.471	0.467	0.465	0.466	0.464	0.466	0.464	0.467	0.469	0.469	0.467	0.474	0.484
0.471	0.445	0.430	0.426	0.423	0.422	0.422	0.422	0.422	0.422	0.425	0.423	0.427	0.435	0.450
0.000	0.415	0.398	0.391	0.389	0.387	0.389	0.389	0.388	0.388	0.385	0.389	0.393	0.404	0.000
0.397	0.377	0.365	0.360	0.358	0.357	0.358	0.357	0.357	0.356	0.355	0.356	0.359	0.363	0.373
0.356	0.342	0.331	0.329	0.325	0.327	0.328	0.331	0.327	0.325	0.322	0.324	0.323	0.328	0.331
0.321	0.310	0.303	0.299	0.297	0.295	0.302	0.000	0.301	0.293	0.293	0.291	0.294	0.296	0.296
0.293	0.281	0.272	0.270	0.267	0.268	0.268	0.271	0.267	0.265	0.262	0.264	0.263	0.266	0.267
0.268	0.254	0.247	0.243	0.241	0.240	0.239	0.238	0.238	0.237	0.236	0.236	0.238	0.240	0.242
0.000	0.230	0.220	0.216	0.213	0.212	0.212	0.212	0.211	0.210	0.209	0.210	0.212	0.216	0.000
0.209	0.200	0.194	0.192	0.190	0.188	0.188	0.187	0.187	0.186	0.186	0.186	0.187	0.188	0.189
0.178	0.175	0.172	0.170	0.169	0.168	0.167	0.167	0.166	0.166	0.166	0.166	0.165	0.165	0.163
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Cycle 12 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								N241
16								M101
17							N221	
19							M107	
20								
22				N209	M105			
23	NS05	N225	N217					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 23/ 0
BATCH = 23 160 PINS
ASSEM RPF = 0.200 ASSEM RPD = 0.267 PLANAR RPD = 0.250 AVE/PEAK GWD/T = 9.89/11.26
PEAK PIN = 0.460 MAX PIN XY = 0.431 MAX CHA = 0.426 PEAK KW/FT = 2.325
@ 15, 3 @ 15, 3 @ 14, 2 PEAK W/CM = 76.275

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.431 LOCATION = 15, 3

0.000	0.000	0.419	0.378	0.000	0.305	0.268	0.239	0.214	0.195	0.000	0.153	0.135	0.000	0.000
0.000	0.000	0.401	0.358	0.328	0.291	0.258	0.229	0.207	0.186	0.167	0.146	0.130	0.000	0.000
0.000	0.000	0.392	0.348	0.315	0.283	0.255	0.227	0.204	0.181	0.161	0.143	0.127	0.000	0.000
0.000	0.000	0.391	0.347	0.314	0.283	0.255	0.228	0.204	0.182	0.161	0.142	0.127	0.000	0.000
0.000	0.000	0.394	0.348	0.315	0.284	0.257	0.229	0.206	0.182	0.162	0.143	0.128	0.000	0.000
0.000	0.000	0.396	0.350	0.317	0.288	0.260	0.233	0.208	0.185	0.163	0.144	0.128	0.000	0.000
0.000	0.000	0.398	0.353	0.321	0.291	0.266	0.241	0.214	0.187	0.165	0.145	0.129	0.000	0.000
0.000	0.000	0.400	0.355	0.322	0.294	0.273	0.000	0.219	0.189	0.166	0.146	0.130	0.000	0.000
0.000	0.000	0.403	0.358	0.326	0.296	0.271	0.246	0.218	0.191	0.169	0.148	0.131	0.000	0.000
0.000	0.000	0.405	0.360	0.326	0.298	0.269	0.242	0.217	0.193	0.169	0.149	0.132	0.000	0.000
0.000	0.000	0.408	0.362	0.330	0.298	0.271	0.243	0.218	0.193	0.171	0.150	0.134	0.000	0.000
0.000	0.000	0.408	0.365	0.332	0.302	0.273	0.245	0.220	0.196	0.173	0.152	0.134	0.000	0.000
0.000	0.000	0.413	0.371	0.337	0.306	0.276	0.249	0.223	0.198	0.175	0.154	0.135	0.000	0.000
0.000	0.000	0.421	0.380	0.351	0.314	0.281	0.251	0.225	0.202	0.180	0.155	0.136	0.000	0.000
0.000	0.000	0.431	0.393	0.000	0.323	0.285	0.254	0.227	0.204	0.000	0.155	0.134	0.000	0.000

ASSEMBLY LABEL: N241 SERIAL = N241 IA,JA,K = 10,16,13 SEG TYPE/ROT 24/ 3
BATCH = 17 216 PINS
ASSEM RPF = 0.289 ASSEM RPD = 0.286 PLANAR RPD = 0.268 AVE/PEAK GWD/T = 34.78/37.82
PEAK PIN = 0.497 MAX PIN XY = 0.466 MAX CHA = 0.441 PEAK KW/FT = 2.514
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 82.496

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.466 LOCATION = 1, 1

0.466	0.455	0.431	0.408	0.000	0.349	0.316	0.288	0.264	0.243	0.000	0.195	0.169	0.145	0.113
0.454	0.389	0.427	0.400	0.373	0.340	0.308	0.281	0.255	0.233	0.211	0.186	0.163	0.120	0.112
0.443	0.439	0.415	0.416	0.337	0.353	0.321	0.292	0.265	0.240	0.189	0.192	0.157	0.136	0.111
0.441	0.433	0.438	0.408	0.378	0.346	0.315	0.287	0.260	0.235	0.211	0.187	0.166	0.135	0.112
0.000	0.430	0.379	0.403	0.372	0.344	0.312	0.283	0.257	0.233	0.208	0.185	0.143	0.135	0.000
0.429	0.421	0.426	0.397	0.369	0.269	0.311	0.282	0.257	0.183	0.207	0.182	0.162	0.132	0.112
0.418	0.412	0.418	0.390	0.362	0.336	0.310	0.284	0.255	0.229	0.203	0.180	0.159	0.130	0.109
0.411	0.405	0.411	0.384	0.357	0.330	0.307	0.000	0.253	0.224	0.200	0.177	0.157	0.128	0.108
0.406	0.400	0.406	0.379	0.352	0.327	0.301	0.276	0.248	0.222	0.197	0.175	0.154	0.126	0.107
0.405	0.398	0.402	0.375	0.349	0.253	0.294	0.266	0.242	0.172	0.195	0.172	0.153	0.126	0.106
0.000	0.394	0.347	0.369	0.341	0.315	0.286	0.259	0.236	0.214	0.191	0.170	0.132	0.124	0.000
0.393	0.385	0.389	0.362	0.334	0.306	0.279	0.253	0.230	0.208	0.187	0.166	0.147	0.121	0.102
0.382	0.376	0.354	0.354	0.286	0.299	0.271	0.246	0.223	0.202	0.159	0.162	0.133	0.116	0.097
0.378	0.321	0.346	0.322	0.298	0.271	0.245	0.222	0.202	0.183	0.165	0.146	0.128	0.096	0.093
0.375	0.354	0.329	0.307	0.000	0.258	0.231	0.210	0.190	0.173	0.000	0.137	0.119	0.103	0.085

ASSEMBLY LABEL: M101 SERIAL = M101 IA,JA,K = 11,16,13 SEG TYPE/ROT 15/ 0
BATCH = 14 209 PINS
ASSEM RPF = 0.165 ASSEM RPD = 0.168 PLANAR RPD = 0.157 AVE/PEAK GWD/T = 40.35/42.88
PEAK PIN = 0.357 MAX PIN XY = 0.334 MAX CHA = 0.312 PEAK KW/FT = 1.804
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 59.179

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.334 LOCATION = 1, 1

0.334	0.304	0.281	0.263	0.000	0.220	0.197	0.178	0.162	0.147	0.000	0.116	0.099	0.085	0.071
0.319	0.290	0.274	0.255	0.236	0.215	0.194	0.176	0.160	0.145	0.130	0.115	0.099	0.084	0.071
0.311	0.289	0.242	0.259	0.239	0.219	0.199	0.181	0.164	0.148	0.132	0.117	0.088	0.084	0.070
0.308	0.285	0.274	0.255	0.235	0.183	0.196	0.177	0.161	0.123	0.130	0.115	0.100	0.083	0.069
0.000	0.280	0.268	0.249	0.229	0.210	0.190	0.172	0.156	0.140	0.125	0.111	0.097	0.081	0.000
0.292	0.271	0.261	0.206	0.222	0.202	0.184	0.166	0.150	0.135	0.120	0.090	0.093	0.077	0.064
0.279	0.260	0.253	0.234	0.214	0.195	0.179	0.162	0.145	0.129	0.115	0.102	0.089	0.073	0.060
0.271	0.252	0.244	0.226	0.206	0.187	0.172	0.000	0.140	0.123	0.109	0.097	0.084	0.070	0.057
0.263	0.244	0.236	0.218	0.198	0.180	0.164	0.148	0.132	0.116	0.104	0.092	0.080	0.066	0.055
0.258	0.238	0.228	0.178	0.190	0.171	0.154	0.138	0.123	0.110	0.098	0.073	0.076	0.063	0.053
0.000	0.230	0.218	0.200	0.181	0.163	0.145	0.130	0.116	0.103	0.092	0.081	0.071	0.060	0.000
0.239	0.220	0.208	0.190	0.171	0.130	0.137	0.121	0.108	0.081	0.085	0.075	0.066	0.056	0.000
0.225	0.208	0.170	0.179	0.161	0.143	0.127	0.112	0.099	0.088	0.078	0.069	0.052	0.052	0.000
0.215	0.193	0.179	0.163	0.146	0.128	0.112	0.098	0.086	0.077	0.068	0.060	0.053	0.046	0.000
0.205	0.186	0.168	0.152	0.000	0.117	0.101	0.087	0.076	0.067	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: N221 SERIAL = N221 IA,JA,K = 12,15,13 SEG TYPE/ROT 17/ 3
BATCH = 17 216 PINS
ASSEM RPF = 0.404 ASSEM RPD = 0.399 PLANAR RPD = 0.374 AVE/PEAK GWD/T = 36.15/40.04
PEAK PIN = 0.741 MAX PIN XY = 0.694 MAX CHA = 0.657 PEAK KW/FT = 3.747
@ 2, 1 @ 2, 1 @ 3, 1 PEAK W/CM = 122.939

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.694 LOCATION = 2, 1

0.693	0.649	0.605	0.572	0.000	0.502	0.464	0.433	0.406	0.385	0.000	0.331	0.301	0.276	0.246
0.694	0.566	0.609	0.570	0.537	0.498	0.461	0.430	0.402	0.378	0.353	0.324	0.296	0.231	0.236
0.682	0.641	0.595	0.591	0.484	0.513	0.476	0.444	0.413	0.386	0.314	0.329	0.281	0.255	0.222
0.675	0.630	0.620	0.575	0.535	0.497	0.461	0.429	0.399	0.370	0.342	0.313	0.286	0.243	0.212
0.000	0.619	0.532	0.560	0.519	0.485	0.448	0.415	0.385	0.358	0.328	0.300	0.239	0.232	0.000
0.644	0.599	0.588	0.542	0.506	0.374	0.438	0.403	0.375	0.274	0.316	0.286	0.259	0.218	0.188
0.619	0.576	0.568	0.525	0.487	0.456	0.426	0.396	0.364	0.332	0.301	0.272	0.245	0.205	0.175
0.600	0.558	0.549	0.507	0.470	0.438	0.413	0.000	0.352	0.317	0.288	0.261	0.234	0.194	0.165
0.581	0.541	0.532	0.491	0.455	0.425	0.396	0.368	0.337	0.306	0.277	0.250	0.224	0.185	0.157
0.567	0.527	0.516	0.475	0.442	0.325	0.379	0.347	0.321	0.234	0.267	0.240	0.215	0.179	0.151
0.000	0.511	0.438	0.459	0.423	0.393	0.361	0.332	0.306	0.282	0.255	0.231	0.182	0.172	0.000
0.524	0.488	0.479	0.442	0.408	0.376	0.346	0.319	0.294	0.270	0.246	0.222	0.199	0.164	0.137
0.497	0.466	0.430	0.425	0.346	0.363	0.333	0.307	0.283	0.261	0.209	0.215	0.179	0.157	0.129
0.476	0.389	0.414	0.385	0.358	0.329	0.302	0.278	0.257	0.238	0.218	0.196	0.173	0.131	0.122
0.457	0.424	0.393	0.368	0.000	0.316	0.290	0.268	0.247	0.230	0.000	0.189	0.166	0.143	0.114

ASSEMBLY LABEL: M107 SERIAL = M107 IA,JA,K = 13,15,13 SEG TYPE/ROT 14/ 0
BATCH = 14 209 PINS
ASSEM RPF = 0.146 ASSEM RPD = 0.149 PLANAR RPD = 0.139 AVE/PEAK GWD/T = 42.95/48.54
PEAK PIN = 0.418 MAX PIN XY = 0.391 MAX CHA = 0.354 PEAK KW/FT = 2.113
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.340

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.391 LOCATION = 1, 1

0.391	0.354	0.327	0.307	0.000	0.262	0.238	0.218	0.199	0.184	0.000	0.149	0.129	0.111	0.092
0.357	0.314	0.293	0.273	0.253	0.232	0.212	0.194	0.178	0.163	0.149	0.133	0.117	0.100	0.086
0.333	0.296	0.244	0.258	0.238	0.220	0.202	0.185	0.169	0.155	0.140	0.126	0.097	0.095	0.081
0.315	0.278	0.260	0.240	0.222	0.175	0.188	0.172	0.158	0.123	0.130	0.117	0.104	0.089	0.077
0.000	0.260	0.243	0.224	0.206	0.190	0.174	0.159	0.146	0.133	0.121	0.109	0.097	0.084	0.000
0.274	0.241	0.226	0.178	0.191	0.176	0.162	0.148	0.136	0.123	0.112	0.087	0.090	0.077	0.067
0.251	0.221	0.209	0.193	0.177	0.163	0.151	0.140	0.127	0.115	0.104	0.094	0.084	0.071	0.061
0.231	0.205	0.193	0.178	0.164	0.151	0.141	0.000	0.118	0.106	0.096	0.087	0.077	0.066	0.057
0.214	0.189	0.178	0.165	0.151	0.139	0.129	0.119	0.108	0.098	0.089	0.080	0.072	0.061	0.052
0.198	0.175	0.164	0.130	0.139	0.128	0.117	0.108	0.099	0.090	0.082	0.064	0.067	0.057	0.049
0.000	0.161	0.150	0.138	0.127	0.117	0.107	0.099	0.090	0.083	0.075	0.068	0.061	0.053	0.000
0.163	0.144	0.136	0.125	0.115	0.091	0.098	0.090	0.083	0.065	0.069	0.062	0.056	0.049	0.000
0.142	0.128	0.105	0.112	0.104	0.096	0.088	0.081	0.074	0.068	0.062	0.057	0.044	0.044	0.000
0.123	0.110	0.104	0.097	0.090	0.083	0.076	0.069	0.064	0.059	0.055	0.050	0.045	0.039	0.000
0.103	0.096	0.090	0.085	0.000	0.072	0.066	0.060	0.056	0.052	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M105 SERIAL = M105 IA,JA,K = 15,13,13 SEG TYPE/ROT 14/ 0
BATCH = 14 209 PINS
ASSEM RPF = 0.144 ASSEM RPD = 0.147 PLANAR RPD = 0.138 AVE/PEAK GWD/T = 42.92/47.20
PEAK PIN = 0.413 MAX PIN XY = 0.387 MAX CHA = 0.350 PEAK KW/FT = 2.087
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 68.486

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.387 LOCATION = 1, 1

0.387	0.353	0.330	0.312	0.000	0.271	0.248	0.229	0.212	0.197	0.000	0.161	0.141	0.122	0.102
0.349	0.311	0.292	0.275	0.258	0.238	0.219	0.202	0.187	0.173	0.159	0.143	0.126	0.109	0.095
0.322	0.289	0.241	0.257	0.240	0.223	0.206	0.191	0.176	0.162	0.148	0.134	0.104	0.103	0.089
0.303	0.270	0.255	0.237	0.221	0.176	0.190	0.175	0.162	0.128	0.136	0.123	0.111	0.096	0.084
0.000	0.250	0.235	0.219	0.203	0.189	0.175	0.161	0.149	0.137	0.125	0.114	0.102	0.089	0.000
0.259	0.230	0.217	0.173	0.187	0.174	0.161	0.149	0.137	0.126	0.115	0.090	0.094	0.081	0.071
0.235	0.210	0.200	0.186	0.172	0.160	0.149	0.139	0.127	0.116	0.106	0.096	0.086	0.074	0.065
0.215	0.192	0.183	0.170	0.158	0.146	0.138	0.000	0.117	0.106	0.097	0.088	0.079	0.068	0.059
0.197	0.176	0.168	0.156	0.145	0.134	0.126	0.117	0.107	0.097	0.089	0.081	0.073	0.063	0.054
0.182	0.162	0.153	0.122	0.132	0.122	0.113	0.105	0.097	0.089	0.082	0.063	0.067	0.058	0.051
0.000	0.148	0.139	0.129	0.120	0.111	0.103	0.095	0.088	0.081	0.074	0.068	0.061	0.054	0.000
0.148	0.132	0.125	0.116	0.108	0.086	0.093	0.086	0.080	0.063	0.067	0.062	0.056	0.049	0.000
0.129	0.116	0.097	0.104	0.097	0.090	0.083	0.077	0.071	0.066	0.061	0.056	0.043	0.044	0.000
0.111	0.100	0.095	0.089	0.084	0.077	0.071	0.066	0.061	0.057	0.053	0.048	0.044	0.038	0.000
0.091	0.086	0.081	0.077	0.000	0.067	0.061	0.057	0.053	0.049	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: N209 SERIAL = N209 IA,JA,K = 15,12,13 SEG TYPE/ROT 17/ 1
BATCH = 17 216 PINS
ASSEM RPF = 0.405 ASSEM RPD = 0.400 PLANAR RPD = 0.375 AVE/PEAK GWD/T = 35.95/40.35
PEAK PIN = 0.732 MAX PIN XY = 0.686 MAX CHA = 0.648 PEAK KW/FT = 3.705
@ 1, 1 @ 1, 1 @ 1, 3 PEAK W/CM = 121.565

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.686 LOCATION = 1, 1

0.686	0.684	0.671	0.664	0.000	0.634	0.611	0.592	0.575	0.561	0.000	0.519	0.493	0.472	0.452
0.647	0.560	0.633	0.622	0.611	0.591	0.569	0.552	0.535	0.522	0.507	0.484	0.462	0.386	0.421
0.606	0.605	0.588	0.613	0.526	0.581	0.561	0.544	0.527	0.511	0.434	0.475	0.427	0.411	0.390
0.576	0.569	0.587	0.570	0.554	0.537	0.519	0.502	0.486	0.471	0.456	0.439	0.423	0.383	0.366
0.000	0.537	0.482	0.532	0.515	0.502	0.483	0.466	0.452	0.439	0.421	0.406	0.344	0.357	0.000
0.510	0.500	0.513	0.495	0.483	0.371	0.453	0.435	0.423	0.323	0.391	0.374	0.362	0.329	0.316
0.473	0.465	0.478	0.461	0.447	0.436	0.424	0.411	0.394	0.377	0.360	0.345	0.333	0.302	0.290
0.445	0.436	0.447	0.431	0.415	0.403	0.395	0.000	0.367	0.346	0.331	0.318	0.307	0.279	0.269
0.420	0.410	0.419	0.402	0.387	0.376	0.364	0.352	0.336	0.321	0.306	0.294	0.284	0.257	0.249
0.400	0.388	0.393	0.375	0.361	0.275	0.333	0.318	0.307	0.233	0.282	0.270	0.261	0.239	0.232
0.000	0.365	0.322	0.348	0.332	0.318	0.303	0.289	0.277	0.268	0.256	0.247	0.210	0.220	0.000
0.350	0.337	0.339	0.321	0.305	0.289	0.275	0.262	0.250	0.240	0.231	0.223	0.215	0.197	0.192
0.322	0.311	0.292	0.295	0.244	0.263	0.248	0.236	0.225	0.216	0.182	0.199	0.180	0.175	0.169
0.299	0.246	0.268	0.252	0.238	0.223	0.208	0.196	0.186	0.179	0.173	0.164	0.157	0.131	0.145
0.271	0.255	0.236	0.222	0.000	0.193	0.178	0.167	0.158	0.151	0.000	0.137	0.129	0.123	0.115

ASSEMBLY LABEL: N217 SERIAL = N217 IA,JA,K = 16,11,13 SEG TYPE/ROT 25/ 0
BATCH = 25 209 PINS
ASSEM RPF = 0.218 ASSEM RPD = 0.222 PLANAR RPD = 0.208 AVE/PEAK GWD/T = 36.16/39.42
PEAK PIN = 0.442 MAX PIN XY = 0.414 MAX CHA = 0.387 PEAK KW/FT = 2.237
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 73.408

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.414 LOCATION = 1, 1

0.414	0.404	0.393	0.387	0.000	0.362	0.345	0.332	0.321	0.313	0.000	0.288	0.271	0.259	0.244
0.388	0.339	0.381	0.372	0.364	0.349	0.334	0.321	0.310	0.300	0.289	0.274	0.260	0.214	0.229
0.361	0.364	0.357	0.373	0.319	0.350	0.335	0.322	0.310	0.298	0.251	0.271	0.240	0.228	0.209
0.338	0.340	0.356	0.348	0.338	0.325	0.312	0.299	0.287	0.275	0.262	0.248	0.234	0.207	0.190
0.000	0.316	0.290	0.322	0.312	0.302	0.289	0.276	0.264	0.253	0.239	0.225	0.186	0.187	0.000
0.285	0.288	0.302	0.295	0.288	0.220	0.267	0.254	0.243	0.183	0.217	0.203	0.190	0.165	0.149
0.257	0.261	0.275	0.269	0.262	0.254	0.246	0.236	0.223	0.209	0.195	0.182	0.169	0.145	0.129
0.233	0.238	0.251	0.245	0.238	0.230	0.225	0.000	0.203	0.188	0.175	0.163	0.150	0.128	0.113
0.211	0.216	0.228	0.223	0.216	0.210	0.202	0.193	0.182	0.170	0.157	0.146	0.134	0.114	0.099
0.193	0.196	0.206	0.201	0.196	0.150	0.181	0.170	0.162	0.121	0.142	0.131	0.120	0.102	0.089
0.000	0.176	0.163	0.181	0.175	0.168	0.160	0.151	0.143	0.136	0.126	0.117	0.094	0.092	0.000
0.151	0.155	0.164	0.160	0.155	0.148	0.141	0.134	0.127	0.120	0.112	0.104	0.096	0.082	0.000
0.130	0.135	0.134	0.140	0.119	0.130	0.124	0.118	0.112	0.106	0.087	0.093	0.080	0.074	0.000
0.111	0.100	0.115	0.113	0.110	0.105	0.100	0.095	0.091	0.087	0.083	0.078	0.072	0.057	0.000
0.091	0.093	0.092	0.091	0.000	0.086	0.081	0.077	0.074	0.072	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: N225 SERIAL = N225 IA,JA,K = 16,10,13 SEG TYPE/ROT 24/ 0
BATCH = 17 216 PINS
ASSEM RPF = 0.310 ASSEM RPD = 0.307 PLANAR RPD = 0.287 AVE/PEAK GWD/T = 35.86/38.67
PEAK PIN = 0.498 MAX PIN XY = 0.466 MAX CHA = 0.460 PEAK KW/FT = 2.517
@ 1, 6 @ 1, 6 @ 1, 5 PEAK W/CM = 82.591

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.466 LOCATION = 1, 6

0.454	0.452	0.454	0.462	0.000	0.466	0.460	0.458	0.457	0.460	0.000	0.451	0.442	0.442	0.446
0.438	0.387	0.446	0.452	0.458	0.457	0.453	0.452	0.451	0.453	0.452	0.445	0.439	0.378	0.427
0.409	0.414	0.417	0.451	0.401	0.458	0.457	0.457	0.456	0.456	0.399	0.449	0.416	0.413	0.400
0.381	0.383	0.412	0.416	0.421	0.424	0.424	0.424	0.425	0.424	0.423	0.419	0.416	0.386	0.375
0.000	0.352	0.330	0.381	0.385	0.391	0.391	0.391	0.392	0.394	0.390	0.387	0.337	0.360	0.000
0.317	0.317	0.340	0.345	0.352	0.283	0.360	0.360	0.362	0.287	0.359	0.354	0.352	0.328	0.319
0.284	0.284	0.306	0.311	0.317	0.324	0.329	0.333	0.332	0.330	0.326	0.323	0.321	0.297	0.288
0.258	0.256	0.275	0.280	0.285	0.291	0.299	0.000	0.303	0.298	0.295	0.293	0.292	0.271	0.262
0.234	0.231	0.248	0.252	0.257	0.263	0.268	0.271	0.271	0.270	0.267	0.266	0.265	0.246	0.239
0.216	0.211	0.224	0.226	0.231	0.186	0.238	0.239	0.242	0.192	0.242	0.240	0.240	0.225	0.219
0.000	0.191	0.177	0.203	0.205	0.209	0.210	0.211	0.213	0.215	0.215	0.215	0.188	0.202	0.000
0.177	0.170	0.179	0.180	0.182	0.184	0.185	0.186	0.188	0.189	0.190	0.190	0.190	0.178	0.173
0.157	0.151	0.149	0.160	0.142	0.162	0.163	0.163	0.164	0.166	0.146	0.166	0.155	0.155	0.149
0.137	0.116	0.132	0.133	0.134	0.134	0.133	0.133	0.133	0.135	0.136	0.135	0.134	0.114	0.128
0.112	0.111	0.111	0.113	0.000	0.114	0.112	0.111	0.111	0.112	0.000	0.111	0.109	0.108	0.104

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 23/ 0
BATCH = 23 160 PINS
ASSEM RPF = 0.201 ASSEM RPD = 0.268 PLANAR RPD = 0.251 AVE/PEAK GWD/T = 9.91/11.98
PEAK PIN = 0.508 MAX PIN XY = 0.476 MAX CHA = 0.455 PEAK KW/FT = 2.571
@ 1,13 @ 1,13 @ 1,13 PEAK W/CM = 84.334

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.476 LOCATION = 1,13

0.000	0.000	0.457	0.450	0.000	0.445	0.438	0.438	0.443	0.456	0.000	0.467	0.476	0.000	0.000
0.000	0.000	0.418	0.406	0.410	0.404	0.400	0.398	0.404	0.412	0.422	0.422	0.434	0.000	0.000
0.000	0.000	0.379	0.367	0.365	0.363	0.364	0.364	0.368	0.370	0.375	0.380	0.394	0.000	0.000
0.000	0.000	0.347	0.334	0.332	0.332	0.333	0.333	0.335	0.337	0.340	0.344	0.359	0.000	0.000
0.000	0.000	0.318	0.306	0.304	0.303	0.305	0.304	0.307	0.307	0.310	0.313	0.328	0.000	0.000
0.000	0.000	0.290	0.279	0.277	0.279	0.279	0.279	0.281	0.282	0.282	0.285	0.297	0.000	0.000
0.000	0.000	0.264	0.255	0.255	0.255	0.259	0.262	0.260	0.257	0.258	0.259	0.269	0.000	0.000
0.000	0.000	0.240	0.233	0.232	0.234	0.241	0.000	0.241	0.235	0.234	0.236	0.243	0.000	0.000
0.000	0.000	0.218	0.212	0.212	0.213	0.217	0.219	0.217	0.214	0.214	0.214	0.220	0.000	0.000
0.000	0.000	0.198	0.192	0.192	0.194	0.194	0.194	0.194	0.194	0.193	0.193	0.199	0.000	0.000
0.000	0.000	0.178	0.174	0.174	0.174	0.176	0.175	0.176	0.175	0.175	0.174	0.179	0.000	0.000
0.000	0.000	0.158	0.156	0.156	0.158	0.158	0.158	0.158	0.158	0.157	0.156	0.159	0.000	0.000
0.000	0.000	0.140	0.138	0.139	0.140	0.141	0.141	0.141	0.141	0.140	0.140	0.141	0.000	0.000
0.000	0.000	0.120	0.121	0.124	0.123	0.123	0.123	0.123	0.125	0.126	0.123	0.123	0.000	0.000
0.000	0.000	0.098	0.099	0.000	0.102	0.101	0.101	0.102	0.104	0.000	0.104	0.103	0.000	0.000

Cycle 13 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								N209
14								O217
16								N241
17							O225	
19							M445	
20								
22				O221	M446			
23	N225	N221	N213					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: N209 SERIAL = N209 IA,JA,K = 9,16,13 SEG TYPE/ROT 24/ 3
BATCH = 24 216 PINS
ASSEM RPF = 0.325 ASSEM RPD = 0.325 PLANAR RPD = 0.297 AVE/PEAK GWD/T = 40.93/46.06
PEAK PIN = 0.525 MAX PIN XY = 0.479 MAX CHA = 0.460 PEAK KW/FT = 2.675
@ 1, 1 @ 1, 1 @ 12, 1 PEAK W/CM = 87.752

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.479 LOCATION = 1, 1

0.479	0.452	0.422	0.397	0.000	0.340	0.309	0.284	0.260	0.240	0.000	0.195	0.171	0.149	0.125
0.460	0.389	0.419	0.394	0.369	0.338	0.309	0.284	0.260	0.239	0.218	0.194	0.172	0.131	0.127
0.451	0.438	0.414	0.411	0.341	0.354	0.325	0.298	0.273	0.250	0.201	0.203	0.171	0.151	0.127
0.453	0.438	0.437	0.410	0.382	0.353	0.324	0.297	0.272	0.249	0.226	0.203	0.181	0.151	0.129
0.000	0.440	0.390	0.411	0.382	0.355	0.325	0.298	0.273	0.250	0.225	0.203	0.161	0.152	0.000
0.453	0.438	0.438	0.411	0.384	0.289	0.328	0.300	0.276	0.203	0.226	0.202	0.180	0.151	0.129
0.448	0.436	0.438	0.411	0.384	0.358	0.332	0.306	0.278	0.251	0.225	0.202	0.180	0.150	0.128
0.450	0.438	0.439	0.413	0.385	0.357	0.334	0.000	0.280	0.250	0.225	0.202	0.180	0.150	0.128
0.454	0.441	0.442	0.415	0.387	0.361	0.334	0.307	0.279	0.252	0.226	0.202	0.180	0.150	0.129
0.463	0.448	0.447	0.418	0.391	0.293	0.333	0.304	0.278	0.205	0.228	0.203	0.182	0.152	0.131
0.000	0.453	0.401	0.422	0.391	0.362	0.331	0.303	0.277	0.253	0.227	0.204	0.162	0.153	0.000
0.469	0.453	0.451	0.422	0.392	0.361	0.331	0.302	0.276	0.251	0.227	0.204	0.182	0.152	0.131
0.465	0.452	0.427	0.422	0.349	0.360	0.329	0.301	0.274	0.250	0.201	0.202	0.170	0.150	0.128
0.463	0.397	0.424	0.398	0.370	0.339	0.308	0.281	0.256	0.234	0.213	0.190	0.168	0.130	0.126
0.457	0.439	0.414	0.391	0.000	0.332	0.300	0.273	0.249	0.228	0.000	0.184	0.161	0.141	0.121

ASSEMBLY LABEL: 0217 SERIAL = 0217 IA,JA,K = 10,16,13 SEG TYPE/ROT 18/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.340 ASSEM RPD = 0.340 PLANAR RPD = 0.311 AVE/PEAK GWD/T = 40.03/43.87
PEAK PIN = 0.544 MAX PIN XY = 0.497 MAX CHA = 0.493 PEAK KW/FT = 2.773
@ 4, 3 @ 4, 3 @ 4, 2 PEAK W/CM = 90.992

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.497 LOCATION = 4, 3

0.486	0.483	0.460	0.436	0.000	0.375	0.342	0.314	0.288	0.266	0.000	0.217	0.191	0.168	0.139
0.491	0.426	0.470	0.441	0.411	0.377	0.345	0.317	0.289	0.265	0.240	0.215	0.192	0.144	0.141
0.490	0.491	0.465	0.466	0.432	0.399	0.369	0.266	0.308	0.278	0.251	0.225	0.187	0.166	0.140
0.495	0.490	0.497	0.464	0.429	0.395	0.364	0.335	0.303	0.275	0.248	0.222	0.199	0.165	0.141
0.000	0.490	0.494	0.461	0.428	0.396	0.362	0.330	0.301	0.275	0.246	0.221	0.197	0.165	0.000
0.490	0.486	0.492	0.459	0.428	0.310	0.363	0.330	0.302	0.214	0.246	0.219	0.196	0.163	0.139
0.480	0.479	0.492	0.457	0.423	0.392	0.362	0.333	0.302	0.272	0.243	0.218	0.196	0.160	0.136
0.474	0.475	0.386	0.454	0.418	0.386	0.361	0.000	0.301	0.268	0.241	0.217	0.153	0.159	0.135
0.467	0.467	0.480	0.446	0.413	0.384	0.355	0.326	0.296	0.267	0.239	0.214	0.192	0.157	0.133
0.464	0.461	0.468	0.438	0.409	0.296	0.347	0.316	0.290	0.206	0.237	0.211	0.188	0.155	0.132
0.000	0.453	0.458	0.429	0.398	0.370	0.338	0.310	0.283	0.258	0.232	0.207	0.185	0.154	0.000
0.443	0.440	0.446	0.418	0.388	0.359	0.331	0.305	0.277	0.251	0.227	0.203	0.181	0.150	0.126
0.426	0.425	0.403	0.405	0.376	0.348	0.323	0.235	0.272	0.245	0.221	0.198	0.164	0.145	0.121
0.414	0.356	0.388	0.364	0.339	0.313	0.287	0.265	0.242	0.221	0.200	0.179	0.158	0.120	0.115
0.402	0.383	0.360	0.339	0.000	0.291	0.266	0.244	0.224	0.207	0.000	0.167	0.146	0.127	0.105

ASSEMBLY LABEL: N241 SERIAL = N241 IA,JA,K = 11,16,13 SEG TYPE/ROT 24/ 3
BATCH = 24 216 PINS
ASSEM RPF = 0.201 ASSEM RPD = 0.201 PLANAR RPD = 0.183 AVE/PEAK GWD/T = 38.19/43.14
PEAK PIN = 0.422 MAX PIN XY = 0.385 MAX CHA = 0.357 PEAK KW/FT = 2.151
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 70.584

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.385 LOCATION = 1, 1

0.385	0.364	0.340	0.320	0.000	0.274	0.249	0.228	0.209	0.192	0.000	0.154	0.135	0.117	0.098
0.369	0.310	0.336	0.316	0.296	0.272	0.248	0.228	0.208	0.191	0.174	0.154	0.136	0.102	0.098
0.352	0.342	0.323	0.323	0.266	0.279	0.256	0.235	0.215	0.197	0.157	0.159	0.132	0.115	0.095
0.341	0.330	0.331	0.311	0.290	0.268	0.247	0.227	0.208	0.189	0.171	0.153	0.136	0.111	0.093
0.000	0.318	0.282	0.299	0.279	0.260	0.238	0.219	0.200	0.183	0.165	0.147	0.115	0.108	0.000
0.313	0.303	0.305	0.286	0.268	0.200	0.230	0.211	0.194	0.141	0.158	0.140	0.124	0.102	0.085
0.296	0.288	0.291	0.273	0.255	0.239	0.222	0.204	0.186	0.168	0.150	0.133	0.118	0.096	0.080
0.284	0.276	0.278	0.261	0.243	0.226	0.212	0.000	0.177	0.158	0.142	0.126	0.112	0.091	0.076
0.273	0.265	0.266	0.249	0.232	0.216	0.200	0.184	0.166	0.150	0.134	0.119	0.105	0.086	0.072
0.265	0.256	0.255	0.237	0.221	0.163	0.187	0.170	0.155	0.112	0.126	0.112	0.099	0.082	0.069
0.000	0.245	0.215	0.225	0.207	0.191	0.173	0.157	0.143	0.129	0.116	0.103	0.081	0.077	0.000
0.242	0.232	0.229	0.212	0.194	0.177	0.160	0.144	0.131	0.118	0.106	0.094	0.084	0.070	0.059
0.227	0.218	0.202	0.198	0.159	0.163	0.146	0.131	0.118	0.106	0.084	0.084	0.070	0.062	0.053
0.214	0.179	0.189	0.172	0.156	0.140	0.123	0.110	0.098	0.088	0.079	0.069	0.061	0.047	0.047
0.199	0.187	0.171	0.156	0.000	0.123	0.107	0.094	0.083	0.074	0.000	0.058	0.051	0.045	0.040

ASSEMBLY LABEL: 0225 SERIAL = 0225 IA,JA,K = 12,15,13 SEG TYPE/ROT 9/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.351 ASSEM RPD = 0.351 PLANAR RPD = 0.321 AVE/PEAK GWD/T = 39.11/43.99
PEAK PIN = 0.666 MAX PIN XY = 0.608 MAX CHA = 0.570 PEAK KW/FT = 3.394
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 111.347

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.608 LOCATION = 1, 1

0.608	0.582	0.548	0.521	0.000	0.463	0.430	0.404	0.380	0.361	0.000	0.314	0.288	0.267	0.241
0.596	0.494	0.541	0.509	0.482	0.451	0.422	0.398	0.372	0.350	0.327	0.302	0.279	0.220	0.229
0.573	0.552	0.516	0.520	0.489	0.460	0.436	0.322	0.383	0.354	0.329	0.304	0.261	0.241	0.213
0.556	0.532	0.532	0.498	0.467	0.439	0.413	0.390	0.362	0.336	0.311	0.288	0.265	0.227	0.200
0.000	0.513	0.511	0.477	0.448	0.424	0.396	0.370	0.346	0.323	0.297	0.272	0.250	0.214	0.000
0.514	0.491	0.491	0.458	0.433	0.318	0.382	0.356	0.334	0.242	0.284	0.259	0.236	0.200	0.175
0.489	0.468	0.475	0.441	0.413	0.391	0.368	0.346	0.321	0.295	0.269	0.246	0.225	0.187	0.161
0.468	0.450	0.358	0.424	0.394	0.371	0.354	0.000	0.308	0.279	0.256	0.235	0.168	0.177	0.151
0.448	0.429	0.435	0.404	0.378	0.357	0.336	0.316	0.291	0.268	0.243	0.222	0.201	0.166	0.142
0.432	0.412	0.412	0.385	0.362	0.266	0.318	0.295	0.276	0.199	0.232	0.210	0.189	0.158	0.135
0.000	0.395	0.394	0.367	0.344	0.324	0.301	0.280	0.261	0.242	0.220	0.199	0.180	0.150	0.000
0.392	0.376	0.376	0.351	0.329	0.308	0.289	0.270	0.249	0.229	0.210	0.190	0.171	0.142	0.120
0.371	0.358	0.335	0.337	0.316	0.296	0.279	0.205	0.241	0.220	0.201	0.183	0.152	0.135	0.112
0.355	0.296	0.322	0.303	0.285	0.266	0.248	0.232	0.214	0.199	0.183	0.165	0.147	0.111	0.106
0.337	0.321	0.302	0.287	0.000	0.253	0.235	0.219	0.204	0.190	0.000	0.158	0.140	0.122	0.098

ASSEMBLY LABEL: M445 SERIAL = M445 IA,JA,K = 13,15,13 SEG TYPE/ROT 19/ 0
BATCH = 19 215 PINS
ASSEM RPF = 0.133 ASSEM RPD = 0.133 PLANAR RPD = 0.122 AVE/PEAK GWD/T = 32.09/33.74
PEAK PIN = 0.336 MAX PIN XY = 0.306 MAX CHA = 0.283 PEAK KW/FT = 1.711
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 56.133

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.306 LOCATION = 1, 1

0.306	0.282	0.263	0.248	0.000	0.216	0.198	0.183	0.169	0.158	0.000	0.130	0.114	0.099	0.082
0.286	0.256	0.245	0.230	0.215	0.199	0.183	0.170	0.157	0.146	0.134	0.121	0.107	0.091	0.079
0.269	0.247	0.228	0.224	0.209	0.194	0.180	0.167	0.154	0.142	0.130	0.118	0.100	0.088	0.075
0.256	0.234	0.226	0.209	0.194	0.181	0.168	0.155	0.143	0.132	0.121	0.091	0.099	0.084	0.072
0.000	0.220	0.211	0.196	0.181	0.168	0.156	0.145	0.134	0.123	0.113	0.103	0.093	0.079	0.000
0.224	0.205	0.198	0.183	0.169	0.157	0.146	0.136	0.125	0.115	0.105	0.096	0.086	0.073	0.063
0.207	0.189	0.184	0.170	0.158	0.147	0.138	0.129	0.118	0.108	0.098	0.089	0.080	0.068	0.058
0.192	0.176	0.171	0.158	0.147	0.137	0.130	0.000	0.111	0.100	0.091	0.083	0.075	0.063	0.054
0.178	0.163	0.159	0.147	0.136	0.127	0.119	0.112	0.102	0.093	0.085	0.077	0.069	0.058	0.050
0.166	0.152	0.147	0.136	0.126	0.117	0.109	0.101	0.093	0.086	0.078	0.071	0.064	0.055	0.047
0.000	0.140	0.135	0.125	0.115	0.107	0.099	0.092	0.085	0.079	0.072	0.066	0.059	0.051	0.000
0.137	0.126	0.122	0.094	0.105	0.098	0.090	0.084	0.078	0.072	0.066	0.050	0.054	0.046	0.039
0.120	0.111	0.103	0.102	0.095	0.088	0.082	0.076	0.070	0.065	0.060	0.054	0.046	0.041	0.035
0.104	0.095	0.091	0.086	0.081	0.075	0.069	0.064	0.059	0.055	0.051	0.046	0.041	0.035	0.031
0.086	0.082	0.078	0.074	0.000	0.064	0.059	0.054	0.050	0.047	0.000	0.039	0.035	0.031	0.000

ASSEMBLY LABEL: M446 SERIAL = M446 IA,JA,K = 15,13,13 SEG TYPE/ROT 19/ 0
BATCH = 19 215 PINS
ASSEM RPF = 0.135 ASSEM RPD = 0.135 PLANAR RPD = 0.123 AVE/PEAK GWD/T = 31.47/33.09
PEAK PIN = 0.338 MAX PIN XY = 0.309 MAX CHA = 0.286 PEAK KW/FT = 1.723
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 56.526

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.309 LOCATION = 1, 1

0.309	0.289	0.272	0.259	0.000	0.228	0.210	0.195	0.181	0.169	0.000	0.139	0.122	0.106	0.087
0.286	0.260	0.251	0.238	0.224	0.209	0.193	0.179	0.167	0.155	0.143	0.128	0.114	0.097	0.084
0.266	0.248	0.232	0.230	0.216	0.202	0.188	0.175	0.163	0.150	0.138	0.125	0.106	0.093	0.079
0.251	0.233	0.228	0.213	0.199	0.186	0.174	0.162	0.150	0.139	0.128	0.096	0.105	0.088	0.075
0.000	0.218	0.212	0.198	0.185	0.173	0.161	0.150	0.139	0.129	0.118	0.108	0.097	0.083	0.000
0.218	0.202	0.197	0.184	0.171	0.160	0.150	0.140	0.130	0.119	0.110	0.100	0.090	0.076	0.066
0.200	0.185	0.183	0.170	0.159	0.149	0.141	0.133	0.122	0.111	0.102	0.093	0.084	0.070	0.060
0.184	0.171	0.169	0.157	0.147	0.138	0.132	0.000	0.114	0.103	0.094	0.086	0.078	0.065	0.056
0.170	0.158	0.156	0.145	0.136	0.127	0.120	0.113	0.104	0.095	0.087	0.079	0.072	0.060	0.052
0.158	0.147	0.143	0.134	0.125	0.117	0.109	0.102	0.095	0.087	0.080	0.073	0.066	0.056	0.048
0.000	0.135	0.131	0.123	0.114	0.107	0.100	0.093	0.086	0.080	0.074	0.068	0.061	0.052	0.000
0.130	0.121	0.119	0.091	0.104	0.097	0.090	0.084	0.078	0.073	0.067	0.051	0.056	0.047	0.040
0.114	0.107	0.100	0.100	0.093	0.087	0.081	0.076	0.071	0.066	0.061	0.055	0.047	0.042	0.036
0.099	0.091	0.088	0.084	0.079	0.074	0.068	0.064	0.059	0.055	0.051	0.047	0.042	0.036	0.032
0.081	0.079	0.075	0.072	0.000	0.063	0.058	0.054	0.050	0.047	0.000	0.040	0.035	0.032	0.000

ASSEMBLY LABEL: 0221 SERIAL = 0221 IA,JA,K = 15,12,13 SEG TYPE/ROT 9/ 1
BATCH = 9 216 PINS
ASSEM RPF = 0.344 ASSEM RPD = 0.344 PLANAR RPD = 0.314 AVE/PEAK GWD/T = 39.67/45.61
PEAK PIN = 0.650 MAX PIN XY = 0.593 MAX CHA = 0.555 PEAK KW/FT = 3.313
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 108.686

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.593 LOCATION = 1, 1

0.593	0.581	0.559	0.543	0.000	0.503	0.480	0.461	0.443	0.429	0.000	0.393	0.374	0.359	0.343
0.566	0.480	0.536	0.517	0.500	0.479	0.458	0.442	0.423	0.408	0.393	0.376	0.360	0.300	0.327
0.531	0.523	0.500	0.515	0.496	0.478	0.464	0.352	0.428	0.408	0.391	0.375	0.337	0.325	0.308
0.504	0.492	0.502	0.482	0.463	0.446	0.430	0.415	0.397	0.380	0.364	0.350	0.338	0.306	0.292
0.000	0.464	0.471	0.451	0.434	0.420	0.402	0.386	0.371	0.358	0.341	0.328	0.317	0.288	0.000
0.446	0.434	0.442	0.424	0.410	0.309	0.380	0.363	0.350	0.263	0.321	0.307	0.297	0.269	0.257
0.414	0.405	0.419	0.398	0.382	0.371	0.358	0.346	0.330	0.314	0.299	0.287	0.279	0.250	0.238
0.389	0.382	0.309	0.375	0.357	0.344	0.337	0.000	0.309	0.291	0.278	0.269	0.205	0.233	0.222
0.366	0.357	0.367	0.349	0.334	0.323	0.311	0.300	0.285	0.272	0.258	0.248	0.241	0.216	0.207
0.347	0.336	0.340	0.324	0.312	0.234	0.286	0.272	0.262	0.196	0.239	0.228	0.221	0.200	0.193
0.000	0.315	0.316	0.300	0.286	0.275	0.261	0.249	0.238	0.229	0.218	0.209	0.202	0.184	0.000
0.303	0.291	0.293	0.277	0.263	0.251	0.239	0.229	0.217	0.207	0.197	0.189	0.183	0.166	0.160
0.279	0.269	0.252	0.255	0.242	0.229	0.219	0.164	0.198	0.187	0.178	0.170	0.153	0.149	0.142
0.260	0.213	0.234	0.220	0.208	0.195	0.183	0.173	0.163	0.156	0.149	0.142	0.135	0.112	0.124
0.236	0.224	0.208	0.196	0.000	0.172	0.159	0.149	0.140	0.134	0.000	0.120	0.113	0.107	0.099

ASSEMBLY LABEL: N213 SERIAL = N213 IA,JA,K = 16,11,13 SEG TYPE/ROT 24/ 0
BATCH = 24 216 PINS
ASSEM RPF = 0.189 ASSEM RPD = 0.189 PLANAR RPD = 0.173 AVE/PEAK GWD/T = 41.82/46.82
PEAK PIN = 0.411 MAX PIN XY = 0.375 MAX CHA = 0.343 PEAK KW/FT = 2.094
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 68.713

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.375 LOCATION = 1, 1

0.375	0.358	0.344	0.335	0.000	0.310	0.294	0.282	0.271	0.264	0.000	0.243	0.229	0.219	0.207
0.342	0.296	0.325	0.316	0.307	0.294	0.280	0.268	0.258	0.250	0.240	0.229	0.217	0.181	0.194
0.315	0.311	0.303	0.311	0.269	0.289	0.277	0.266	0.255	0.245	0.209	0.222	0.200	0.190	0.177
0.294	0.290	0.298	0.290	0.281	0.270	0.259	0.248	0.238	0.227	0.217	0.205	0.194	0.174	0.162
0.000	0.269	0.247	0.269	0.260	0.252	0.241	0.230	0.220	0.211	0.199	0.188	0.157	0.158	0.000
0.247	0.246	0.254	0.247	0.241	0.189	0.224	0.213	0.204	0.157	0.182	0.170	0.159	0.140	0.129
0.223	0.223	0.232	0.227	0.220	0.214	0.206	0.198	0.188	0.177	0.165	0.154	0.143	0.124	0.112
0.202	0.203	0.211	0.207	0.201	0.194	0.189	0.000	0.172	0.160	0.149	0.139	0.128	0.111	0.099
0.184	0.185	0.192	0.188	0.183	0.178	0.171	0.164	0.155	0.145	0.135	0.125	0.115	0.098	0.087
0.168	0.168	0.174	0.170	0.166	0.130	0.154	0.146	0.139	0.106	0.122	0.112	0.103	0.088	0.078
0.000	0.152	0.140	0.153	0.148	0.143	0.137	0.130	0.123	0.117	0.109	0.100	0.082	0.079	0.000
0.133	0.134	0.139	0.136	0.132	0.127	0.121	0.115	0.109	0.103	0.097	0.089	0.081	0.069	0.060
0.115	0.117	0.116	0.119	0.103	0.111	0.106	0.101	0.096	0.091	0.076	0.078	0.068	0.061	0.053
0.099	0.089	0.100	0.098	0.095	0.091	0.086	0.082	0.078	0.075	0.071	0.065	0.059	0.047	0.046
0.083	0.084	0.083	0.081	0.000	0.075	0.071	0.068	0.065	0.062	0.000	0.055	0.050	0.045	0.040

ASSEMBLY LABEL: N221 SERIAL = N221 IA,JA,K = 16,10,13 SEG TYPE/ROT 24/ 0
BATCH = 24 216 PINS
ASSEM RPF = 0.304 ASSEM RPD = 0.304 PLANAR RPD = 0.278 AVE/PEAK GWD/T = 40.98/46.42
PEAK PIN = 0.528 MAX PIN XY = 0.482 MAX CHA = 0.467 PEAK KW/FT = 2.693
@ 1, 4 @ 1, 4 @ 1, 3 PEAK W/CM = 88.349

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.482 LOCATION = 1, 4

0.464	0.472	0.475	0.482	0.000	0.476	0.464	0.456	0.450	0.447	0.000	0.427	0.413	0.408	0.411
0.437	0.396	0.453	0.456	0.457	0.451	0.441	0.434	0.427	0.423	0.417	0.405	0.393	0.338	0.376
0.407	0.419	0.423	0.448	0.398	0.442	0.436	0.429	0.422	0.416	0.363	0.397	0.366	0.358	0.346
0.382	0.390	0.414	0.415	0.414	0.410	0.404	0.398	0.392	0.385	0.378	0.369	0.360	0.334	0.323
0.000	0.362	0.341	0.383	0.382	0.380	0.374	0.368	0.362	0.358	0.349	0.341	0.296	0.310	0.000
0.324	0.331	0.350	0.351	0.352	0.283	0.346	0.339	0.335	0.267	0.322	0.313	0.306	0.283	0.274
0.293	0.300	0.320	0.321	0.320	0.320	0.318	0.315	0.309	0.302	0.293	0.286	0.280	0.258	0.249
0.268	0.274	0.292	0.292	0.292	0.290	0.292	0.000	0.283	0.274	0.268	0.262	0.256	0.236	0.228
0.245	0.250	0.266	0.266	0.266	0.266	0.264	0.262	0.257	0.251	0.245	0.239	0.234	0.216	0.209
0.225	0.229	0.242	0.242	0.242	0.195	0.238	0.234	0.232	0.185	0.223	0.218	0.214	0.199	0.193
0.000	0.208	0.196	0.219	0.218	0.217	0.213	0.210	0.207	0.205	0.201	0.197	0.172	0.182	0.000
0.183	0.186	0.197	0.197	0.196	0.193	0.191	0.188	0.185	0.183	0.180	0.177	0.174	0.162	0.157
0.160	0.164	0.165	0.175	0.155	0.172	0.169	0.167	0.165	0.163	0.143	0.157	0.146	0.143	0.137
0.139	0.126	0.145	0.146	0.146	0.144	0.141	0.139	0.137	0.136	0.134	0.131	0.127	0.108	0.119
0.117	0.121	0.122	0.124	0.000	0.122	0.119	0.117	0.116	0.115	0.000	0.110	0.106	0.102	0.097

ASSEMBLY LABEL: N225 SERIAL = N225 IA,JA,K = 16, 9,13 SEG TYPE/ROT 24/ 0
BATCH = 24 216 PINS
ASSEM RPF = 0.327 ASSEM RPD = 0.327 PLANAR RPD = 0.299 AVE/PEAK GWD/T = 40.26/44.40
PEAK PIN = 0.538 MAX PIN XY = 0.491 MAX CHA = 0.474 PEAK KW/FT = 2.742
@ 1,15 @ 1,15 @ 1,12 PEAK W/CM = 89.965

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.491 LOCATION = 1,15

0.465	0.459	0.458	0.465	0.000	0.468	0.463	0.464	0.468	0.478	0.000	0.484	0.482	0.487	0.491
0.431	0.386	0.441	0.446	0.451	0.450	0.447	0.449	0.452	0.458	0.464	0.464	0.465	0.412	0.471
0.399	0.411	0.415	0.444	0.398	0.448	0.448	0.449	0.451	0.455	0.408	0.460	0.437	0.443	0.442
0.375	0.385	0.411	0.416	0.419	0.419	0.419	0.420	0.422	0.424	0.427	0.429	0.432	0.413	0.415
0.000	0.359	0.341	0.387	0.389	0.392	0.391	0.391	0.392	0.395	0.395	0.396	0.354	0.384	0.000
0.320	0.330	0.353	0.357	0.361	0.293	0.364	0.362	0.365	0.295	0.365	0.364	0.366	0.349	0.351
0.290	0.300	0.324	0.327	0.330	0.334	0.336	0.338	0.337	0.335	0.333	0.332	0.333	0.316	0.316
0.265	0.275	0.297	0.300	0.302	0.304	0.309	0.000	0.309	0.304	0.303	0.302	0.303	0.288	0.288
0.243	0.252	0.271	0.274	0.276	0.278	0.280	0.282	0.280	0.278	0.276	0.275	0.275	0.262	0.261
0.223	0.231	0.247	0.249	0.252	0.204	0.252	0.251	0.252	0.203	0.251	0.249	0.250	0.239	0.239
0.000	0.209	0.199	0.225	0.226	0.227	0.225	0.225	0.225	0.226	0.225	0.225	0.200	0.216	0.000
0.180	0.186	0.199	0.201	0.202	0.201	0.201	0.200	0.200	0.200	0.201	0.201	0.201	0.192	0.192
0.156	0.164	0.167	0.178	0.159	0.178	0.177	0.177	0.177	0.178	0.158	0.178	0.168	0.169	0.168
0.136	0.125	0.145	0.147	0.149	0.147	0.146	0.146	0.146	0.147	0.148	0.147	0.147	0.128	0.146
0.114	0.119	0.121	0.124	0.000	0.124	0.122	0.122	0.122	0.124	0.000	0.124	0.123	0.123	0.121

Cycle 14 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								O109
14								O229
16								O217
17							P217	
19							O241	
20								
22				P237	O225			
23	O221	P249	O253					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: 0109 SERIAL = 0109 IA,JA,K = 9,16,13 SEG TYPE/ROT 18/ 3
BATCH = 18 216 PINS
ASSEM RPF = 0.320 ASSEM RPD = 0.320 PLANAR RPD = 0.296 AVE/PEAK GWD/T = 53.15/56.67
PEAK PIN = 0.516 MAX PIN XY = 0.477 MAX CHA = 0.453 PEAK KW/FT = 2.612
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 85.711

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.477 LOCATION = 1, 1

0.477	0.449	0.424	0.402	0.000	0.348	0.318	0.293	0.270	0.250	0.000	0.204	0.179	0.156	0.133
0.457	0.430	0.419	0.398	0.373	0.345	0.316	0.291	0.268	0.247	0.225	0.201	0.178	0.152	0.133
0.449	0.435	0.393	0.413	0.385	0.357	0.330	0.304	0.279	0.254	0.231	0.208	0.176	0.155	0.133
0.452	0.437	0.435	0.411	0.383	0.355	0.328	0.302	0.276	0.252	0.229	0.206	0.184	0.155	0.134
0.000	0.438	0.434	0.410	0.382	0.354	0.327	0.300	0.275	0.250	0.227	0.204	0.182	0.155	0.000
0.452	0.437	0.434	0.410	0.381	0.353	0.326	0.299	0.274	0.249	0.225	0.203	0.181	0.153	0.133
0.447	0.434	0.435	0.410	0.381	0.353	0.329	0.303	0.276	0.248	0.224	0.202	0.180	0.151	0.131
0.448	0.435	0.436	0.410	0.381	0.353	0.330	0.000	0.276	0.247	0.223	0.200	0.179	0.150	0.130
0.451	0.437	0.437	0.411	0.382	0.353	0.328	0.302	0.274	0.246	0.222	0.199	0.178	0.149	0.129
0.459	0.442	0.438	0.412	0.382	0.353	0.324	0.297	0.270	0.245	0.221	0.198	0.177	0.150	0.130
0.000	0.445	0.439	0.412	0.382	0.352	0.323	0.295	0.269	0.244	0.220	0.197	0.176	0.149	0.000
0.462	0.444	0.439	0.412	0.381	0.351	0.322	0.294	0.267	0.242	0.218	0.196	0.174	0.147	0.128
0.455	0.438	0.394	0.408	0.377	0.347	0.318	0.290	0.263	0.239	0.215	0.192	0.163	0.143	0.124
0.452	0.425	0.410	0.385	0.357	0.327	0.297	0.270	0.246	0.224	0.202	0.180	0.158	0.136	0.121
0.449	0.426	0.402	0.379	0.000	0.321	0.289	0.262	0.238	0.218	0.000	0.175	0.153	0.134	0.116

ASSEMBLY LABEL: 0229 SERIAL = 0229 IA,JA,K = 10,16,13 SEG TYPE/ROT 20/ 3
BATCH = 19 216 PINS
ASSEM RPF = 0.329 ASSEM RPD = 0.329 PLANAR RPD = 0.304 AVE/PEAK GWD/T = 46.09/51.50
PEAK PIN = 0.547 MAX PIN XY = 0.506 MAX CHA = 0.497 PEAK KW/FT = 2.773
@ 4, 1 @ 4, 1 @ 3, 1 PEAK W/CM = 90.976

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.506 LOCATION = 4, 1

0.500	0.486	0.459	0.431	0.000	0.366	0.331	0.302	0.275	0.252	0.000	0.203	0.178	0.155	0.129
0.501	0.430	0.464	0.434	0.401	0.367	0.333	0.304	0.275	0.250	0.226	0.201	0.177	0.135	0.130
0.500	0.490	0.462	0.456	0.420	0.385	0.353	0.260	0.291	0.261	0.234	0.209	0.174	0.153	0.129
0.506	0.491	0.489	0.455	0.419	0.383	0.350	0.320	0.288	0.259	0.232	0.207	0.183	0.152	0.130
0.000	0.492	0.488	0.454	0.418	0.385	0.349	0.316	0.287	0.259	0.231	0.206	0.182	0.152	0.000
0.504	0.489	0.486	0.452	0.419	0.308	0.350	0.316	0.287	0.207	0.231	0.205	0.181	0.150	0.128
0.494	0.483	0.486	0.451	0.415	0.382	0.350	0.319	0.287	0.257	0.229	0.204	0.181	0.148	0.126
0.488	0.479	0.391	0.449	0.411	0.377	0.349	0.000	0.287	0.254	0.227	0.203	0.145	0.147	0.124
0.483	0.473	0.477	0.442	0.407	0.376	0.344	0.314	0.283	0.253	0.226	0.201	0.178	0.146	0.123
0.481	0.468	0.467	0.435	0.404	0.297	0.338	0.306	0.279	0.201	0.224	0.198	0.175	0.145	0.123
0.000	0.460	0.458	0.427	0.395	0.364	0.331	0.301	0.273	0.247	0.221	0.196	0.173	0.143	0.000
0.461	0.448	0.447	0.417	0.386	0.354	0.325	0.297	0.269	0.242	0.217	0.193	0.170	0.140	0.118
0.445	0.434	0.409	0.404	0.374	0.344	0.317	0.235	0.263	0.236	0.211	0.188	0.156	0.136	0.114
0.435	0.370	0.394	0.369	0.342	0.314	0.286	0.262	0.237	0.216	0.194	0.172	0.151	0.114	0.109
0.429	0.400	0.372	0.348	0.000	0.295	0.268	0.244	0.223	0.204	0.000	0.162	0.141	0.121	0.101

ASSEMBLY LABEL: 0217 SERIAL = 0217 IA,JA,K = 11,16,13 SEG TYPE/ROT 20/ 3
BATCH = 19 216 PINS
ASSEM RPF = 0.218 ASSEM RPD = 0.218 PLANAR RPD = 0.202 AVE/PEAK GWD/T = 43.65/49.48
PEAK PIN = 0.454 MAX PIN XY = 0.420 MAX CHA = 0.388 PEAK KW/FT = 2.299
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 75.422

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.420 LOCATION = 1, 1

0.420	0.398	0.373	0.351	0.000	0.301	0.274	0.250	0.229	0.210	0.000	0.168	0.147	0.127	0.106
0.397	0.337	0.366	0.345	0.322	0.297	0.272	0.250	0.228	0.208	0.188	0.167	0.147	0.110	0.106
0.376	0.370	0.351	0.352	0.328	0.305	0.283	0.208	0.238	0.214	0.193	0.172	0.143	0.125	0.104
0.364	0.356	0.360	0.339	0.316	0.294	0.272	0.251	0.229	0.207	0.187	0.167	0.147	0.121	0.101
0.000	0.344	0.346	0.326	0.305	0.285	0.262	0.241	0.220	0.201	0.180	0.161	0.142	0.118	0.000
0.336	0.330	0.334	0.314	0.295	0.218	0.254	0.232	0.213	0.154	0.174	0.155	0.137	0.113	0.094
0.319	0.315	0.323	0.303	0.282	0.264	0.245	0.226	0.205	0.185	0.166	0.148	0.132	0.107	0.089
0.306	0.303	0.249	0.291	0.269	0.250	0.235	0.000	0.197	0.175	0.158	0.142	0.100	0.102	0.085
0.294	0.290	0.296	0.277	0.257	0.239	0.222	0.204	0.185	0.167	0.149	0.133	0.119	0.097	0.081
0.285	0.279	0.281	0.263	0.245	0.180	0.208	0.189	0.173	0.124	0.140	0.124	0.111	0.091	0.077
0.000	0.267	0.267	0.249	0.230	0.212	0.193	0.176	0.160	0.145	0.129	0.115	0.102	0.085	0.000
0.261	0.253	0.252	0.234	0.215	0.197	0.179	0.163	0.147	0.132	0.118	0.105	0.094	0.078	0.067
0.245	0.238	0.223	0.218	0.199	0.181	0.165	0.119	0.134	0.119	0.106	0.095	0.079	0.070	0.060
0.231	0.196	0.207	0.190	0.173	0.155	0.138	0.124	0.110	0.099	0.088	0.078	0.069	0.054	0.054
0.215	0.203	0.187	0.171	0.000	0.137	0.120	0.106	0.094	0.084	0.000	0.066	0.058	0.052	0.045

ASSEMBLY LABEL: P217 SERIAL = P217 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 216 PINS
ASSEM RPF = 0.378 ASSEM RPD = 0.378 PLANAR RPD = 0.350 AVE/PEAK GWD/T = 41.98/46.59
PEAK PIN = 0.725 MAX PIN XY = 0.670 MAX CHA = 0.634 PEAK KW/FT = 3.673
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 120.517

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.670 LOCATION = 1, 1

0.670	0.656	0.617	0.585	0.000	0.516	0.480	0.452	0.423	0.400	0.000	0.348	0.321	0.300	0.282
0.647	0.564	0.612	0.575	0.541	0.506	0.473	0.380	0.415	0.389	0.364	0.337	0.312	0.249	0.261
0.625	0.604	0.587	0.548	0.512	0.480	0.450	0.423	0.394	0.367	0.341	0.316	0.293	0.272	0.244
0.609	0.585	0.564	0.525	0.490	0.458	0.429	0.401	0.374	0.348	0.323	0.299	0.276	0.256	0.230
0.000	0.565	0.542	0.504	0.470	0.439	0.411	0.384	0.358	0.332	0.308	0.284	0.262	0.243	0.000
0.565	0.542	0.522	0.485	0.451	0.422	0.396	0.370	0.344	0.318	0.293	0.270	0.248	0.228	0.202
0.538	0.519	0.502	0.466	0.434	0.407	0.385	0.362	0.334	0.305	0.281	0.257	0.236	0.215	0.188
0.517	0.448	0.484	0.448	0.417	0.391	0.373	0.000	0.323	0.293	0.268	0.245	0.225	0.174	0.177
0.495	0.478	0.463	0.429	0.400	0.375	0.354	0.333	0.307	0.280	0.256	0.234	0.213	0.193	0.167
0.478	0.460	0.443	0.412	0.384	0.359	0.336	0.313	0.290	0.267	0.245	0.223	0.203	0.184	0.159
0.000	0.442	0.425	0.395	0.368	0.344	0.321	0.299	0.278	0.256	0.235	0.214	0.194	0.176	0.000
0.436	0.421	0.407	0.380	0.355	0.332	0.310	0.289	0.268	0.247	0.226	0.206	0.186	0.167	0.143
0.413	0.401	0.376	0.366	0.343	0.321	0.300	0.281	0.260	0.239	0.219	0.199	0.179	0.160	0.135
0.395	0.347	0.361	0.341	0.321	0.300	0.280	0.235	0.242	0.225	0.207	0.187	0.167	0.132	0.127
0.377	0.358	0.337	0.320	0.000	0.283	0.262	0.245	0.228	0.213	0.000	0.177	0.157	0.136	0.114

ASSEMBLY LABEL: 0241 SERIAL = 0241 IA,JA,K = 13,15,13 SEG TYPE/ROT 19/ 0
BATCH = 19 216 PINS
ASSEM RPF = 0.157 ASSEM RPD = 0.157 PLANAR RPD = 0.145 AVE/PEAK GWD/T = 43.30/49.92
PEAK PIN = 0.374 MAX PIN XY = 0.346 MAX CHA = 0.318 PEAK KW/FT = 1.897
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 62.228

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.346 LOCATION = 1, 1

0.346	0.328	0.309	0.293	0.000	0.258	0.239	0.223	0.207	0.192	0.000	0.159	0.140	0.122	0.100
0.326	0.271	0.292	0.276	0.260	0.243	0.226	0.211	0.195	0.181	0.166	0.150	0.134	0.102	0.098
0.306	0.291	0.273	0.273	0.256	0.240	0.226	0.168	0.195	0.178	0.163	0.148	0.125	0.111	0.094
0.290	0.274	0.272	0.255	0.239	0.224	0.209	0.196	0.180	0.166	0.152	0.138	0.124	0.104	0.089
0.000	0.257	0.254	0.238	0.223	0.209	0.195	0.181	0.168	0.156	0.142	0.129	0.116	0.098	0.000
0.254	0.239	0.237	0.222	0.208	0.155	0.183	0.169	0.158	0.115	0.133	0.120	0.108	0.091	0.078
0.234	0.221	0.222	0.206	0.193	0.182	0.171	0.160	0.147	0.135	0.123	0.112	0.101	0.084	0.072
0.217	0.206	0.165	0.192	0.178	0.167	0.159	0.000	0.137	0.125	0.114	0.104	0.075	0.078	0.067
0.200	0.189	0.190	0.176	0.165	0.155	0.146	0.136	0.126	0.115	0.105	0.096	0.087	0.072	0.062
0.185	0.174	0.173	0.161	0.151	0.113	0.133	0.123	0.115	0.084	0.097	0.088	0.079	0.067	0.058
0.000	0.159	0.157	0.146	0.137	0.129	0.120	0.111	0.104	0.096	0.088	0.080	0.072	0.061	0.000
0.152	0.143	0.142	0.132	0.124	0.116	0.108	0.101	0.094	0.086	0.079	0.072	0.065	0.055	0.048
0.134	0.127	0.119	0.118	0.111	0.104	0.097	0.073	0.084	0.078	0.071	0.065	0.055	0.050	0.043
0.116	0.097	0.105	0.099	0.093	0.086	0.080	0.075	0.070	0.065	0.060	0.055	0.049	0.038	0.038
0.095	0.093	0.088	0.084	0.000	0.074	0.069	0.064	0.060	0.056	0.000	0.047	0.043	0.038	0.033

ASSEMBLY LABEL: 0225 SERIAL = 0225 IA,JA,K = 15,13,13 SEG TYPE/ROT 19/ 0
BATCH = 19 216 PINS
ASSEM RPF = 0.159 ASSEM RPD = 0.159 PLANAR RPD = 0.147 AVE/PEAK GWD/T = 42.36/48.59
PEAK PIN = 0.370 MAX PIN XY = 0.342 MAX CHA = 0.316 PEAK KW/FT = 1.873
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 61.463

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.342 LOCATION = 1, 1

0.342	0.325	0.307	0.291	0.000	0.256	0.236	0.219	0.203	0.188	0.000	0.155	0.137	0.120	0.099
0.324	0.271	0.293	0.276	0.259	0.242	0.224	0.209	0.192	0.178	0.163	0.147	0.131	0.100	0.097
0.306	0.293	0.274	0.275	0.257	0.240	0.225	0.167	0.193	0.176	0.161	0.145	0.122	0.109	0.092
0.290	0.276	0.275	0.257	0.240	0.224	0.209	0.195	0.179	0.164	0.150	0.136	0.122	0.102	0.088
0.000	0.260	0.258	0.241	0.225	0.211	0.196	0.181	0.168	0.155	0.140	0.127	0.114	0.096	0.000
0.257	0.243	0.242	0.226	0.212	0.157	0.185	0.170	0.158	0.115	0.132	0.119	0.107	0.090	0.078
0.238	0.226	0.228	0.211	0.197	0.185	0.174	0.162	0.149	0.136	0.123	0.111	0.101	0.084	0.072
0.222	0.212	0.169	0.198	0.183	0.172	0.163	0.000	0.139	0.126	0.114	0.104	0.075	0.078	0.067
0.206	0.196	0.197	0.183	0.170	0.160	0.150	0.140	0.129	0.118	0.107	0.097	0.087	0.073	0.063
0.192	0.182	0.180	0.168	0.158	0.117	0.138	0.127	0.118	0.086	0.099	0.089	0.080	0.068	0.059
0.000	0.167	0.165	0.154	0.144	0.135	0.125	0.116	0.108	0.099	0.090	0.082	0.074	0.063	0.000
0.159	0.151	0.150	0.140	0.131	0.122	0.114	0.106	0.098	0.090	0.082	0.075	0.067	0.057	0.050
0.140	0.135	0.126	0.126	0.118	0.110	0.103	0.077	0.089	0.081	0.074	0.068	0.057	0.051	0.045
0.122	0.103	0.112	0.106	0.099	0.092	0.086	0.080	0.074	0.069	0.063	0.057	0.052	0.040	0.040
0.100	0.099	0.095	0.090	0.000	0.080	0.074	0.068	0.064	0.059	0.000	0.050	0.045	0.040	0.034

ASSEMBLY LABEL: P237 SERIAL = P237 IA,JA,K = 15,12,13 SEG TYPE/ROT 12/ 1
BATCH = 12 216 PINS
ASSEM RPF = 0.384 ASSEM RPD = 0.384 PLANAR RPD = 0.356 AVE/PEAK GWD/T = 41.63/46.76
PEAK PIN = 0.731 MAX PIN XY = 0.676 MAX CHA = 0.640 PEAK KW/FT = 3.703
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 121.492

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.676 LOCATION = 1, 1

0.676	0.652	0.630	0.614	0.000	0.570	0.543	0.522	0.500	0.483	0.000	0.441	0.417	0.399	0.380
0.663	0.570	0.611	0.591	0.572	0.549	0.526	0.454	0.485	0.466	0.448	0.427	0.407	0.352	0.362
0.624	0.620	0.594	0.571	0.549	0.529	0.509	0.491	0.469	0.450	0.431	0.413	0.381	0.367	0.342
0.592	0.582	0.554	0.531	0.511	0.491	0.473	0.454	0.436	0.418	0.401	0.386	0.372	0.346	0.324
0.000	0.548	0.519	0.496	0.476	0.458	0.440	0.423	0.406	0.389	0.374	0.360	0.348	0.326	0.000
0.523	0.513	0.486	0.464	0.446	0.429	0.413	0.397	0.381	0.364	0.349	0.337	0.326	0.305	0.287
0.487	0.480	0.456	0.435	0.417	0.402	0.391	0.379	0.360	0.341	0.327	0.315	0.305	0.284	0.267
0.458	0.386	0.429	0.407	0.390	0.376	0.368	0.000	0.339	0.318	0.304	0.294	0.286	0.239	0.250
0.430	0.422	0.400	0.381	0.364	0.350	0.340	0.328	0.312	0.295	0.283	0.273	0.264	0.247	0.232
0.407	0.396	0.373	0.355	0.338	0.324	0.311	0.298	0.285	0.272	0.261	0.252	0.244	0.229	0.217
0.000	0.371	0.348	0.329	0.313	0.299	0.286	0.273	0.261	0.250	0.239	0.231	0.224	0.211	0.000
0.356	0.345	0.323	0.305	0.290	0.276	0.263	0.251	0.239	0.228	0.218	0.210	0.204	0.191	0.181
0.329	0.319	0.300	0.283	0.268	0.254	0.241	0.230	0.218	0.207	0.198	0.190	0.183	0.171	0.160
0.309	0.255	0.279	0.263	0.249	0.234	0.220	0.178	0.197	0.188	0.180	0.171	0.163	0.135	0.140
0.291	0.270	0.251	0.237	0.000	0.208	0.193	0.182	0.171	0.163	0.000	0.147	0.138	0.131	0.117

ASSEMBLY LABEL: 0253 SERIAL = 0253 IA,JA,K = 16,11,13 SEG TYPE/ROT 20/ 0
BATCH = 19 216 PINS
ASSEM RPF = 0.232 ASSEM RPD = 0.232 PLANAR RPD = 0.215 AVE/PEAK GWD/T = 42.76/47.40
PEAK PIN = 0.467 MAX PIN XY = 0.432 MAX CHA = 0.402 PEAK KW/FT = 2.369
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 77.710

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.432 LOCATION = 1, 1

0.432	0.417	0.401	0.390	0.000	0.360	0.342	0.328	0.315	0.306	0.000	0.280	0.265	0.254	0.241
0.406	0.353	0.392	0.380	0.367	0.353	0.337	0.324	0.309	0.297	0.285	0.271	0.257	0.214	0.230
0.379	0.381	0.371	0.383	0.370	0.356	0.344	0.264	0.315	0.299	0.284	0.270	0.240	0.228	0.212
0.357	0.357	0.371	0.361	0.348	0.335	0.322	0.310	0.294	0.279	0.264	0.250	0.236	0.210	0.194
0.000	0.334	0.347	0.337	0.326	0.315	0.300	0.286	0.273	0.260	0.244	0.229	0.215	0.191	0.000
0.306	0.308	0.322	0.313	0.304	0.232	0.281	0.266	0.254	0.190	0.225	0.210	0.196	0.171	0.156
0.278	0.283	0.299	0.290	0.280	0.271	0.261	0.249	0.235	0.221	0.205	0.191	0.178	0.153	0.138
0.255	0.261	0.221	0.268	0.257	0.248	0.240	0.000	0.217	0.200	0.187	0.174	0.128	0.138	0.122
0.233	0.238	0.252	0.244	0.236	0.228	0.219	0.209	0.196	0.183	0.170	0.157	0.145	0.123	0.109
0.214	0.217	0.227	0.221	0.215	0.164	0.198	0.186	0.177	0.131	0.154	0.141	0.129	0.110	0.098
0.000	0.196	0.205	0.200	0.193	0.186	0.177	0.167	0.158	0.149	0.137	0.126	0.115	0.099	0.000
0.172	0.175	0.183	0.179	0.172	0.165	0.158	0.151	0.141	0.132	0.122	0.113	0.103	0.088	0.077
0.150	0.154	0.152	0.158	0.153	0.147	0.141	0.106	0.126	0.117	0.109	0.100	0.086	0.078	0.068
0.131	0.117	0.133	0.130	0.126	0.120	0.114	0.109	0.102	0.097	0.091	0.083	0.076	0.060	0.061
0.110	0.113	0.111	0.109	0.000	0.101	0.095	0.091	0.086	0.082	0.000	0.072	0.065	0.060	0.053

ASSEMBLY LABEL: P249 SERIAL = P249 IA,JA,K = 16,10,13 SEG TYPE/ROT 21/ 1
BATCH = 12 216 PINS
ASSEM RPF = 0.361 ASSEM RPD = 0.361 PLANAR RPD = 0.334 AVE/PEAK GWD/T = 42.20/45.62
PEAK PIN = 0.585 MAX PIN XY = 0.541 MAX CHA = 0.524 PEAK KW/FT = 2.964
@ 2, 1 @ 2, 1 @ 1, 4 PEAK W/CM = 97.245

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.541 LOCATION = 2, 1

0.527	0.518	0.516	0.521	0.000	0.516	0.506	0.501	0.494	0.491	0.000	0.470	0.452	0.440	0.427
0.541	0.477	0.526	0.526	0.525	0.521	0.514	0.458	0.502	0.495	0.486	0.473	0.457	0.398	0.405
0.520	0.529	0.523	0.519	0.516	0.512	0.509	0.505	0.496	0.488	0.478	0.467	0.435	0.416	0.380
0.494	0.500	0.491	0.486	0.482	0.478	0.474	0.469	0.463	0.456	0.447	0.437	0.424	0.391	0.358
0.000	0.467	0.456	0.450	0.446	0.443	0.439	0.434	0.428	0.422	0.414	0.406	0.394	0.365	0.000
0.429	0.431	0.422	0.416	0.411	0.409	0.406	0.402	0.396	0.389	0.382	0.374	0.364	0.337	0.307
0.393	0.397	0.389	0.383	0.379	0.376	0.378	0.376	0.369	0.359	0.352	0.345	0.336	0.310	0.280
0.362	0.313	0.358	0.351	0.347	0.345	0.349	0.000	0.341	0.329	0.323	0.316	0.309	0.256	0.258
0.332	0.334	0.327	0.321	0.317	0.315	0.316	0.315	0.309	0.300	0.294	0.289	0.282	0.261	0.236
0.307	0.306	0.298	0.292	0.289	0.286	0.283	0.281	0.277	0.272	0.268	0.263	0.257	0.238	0.218
0.000	0.279	0.270	0.265	0.261	0.259	0.256	0.253	0.250	0.246	0.242	0.238	0.232	0.216	0.000
0.251	0.250	0.243	0.239	0.236	0.233	0.231	0.228	0.225	0.222	0.219	0.215	0.209	0.194	0.177
0.222	0.223	0.218	0.215	0.212	0.210	0.208	0.206	0.203	0.200	0.196	0.192	0.187	0.172	0.155
0.195	0.169	0.194	0.193	0.192	0.189	0.186	0.158	0.181	0.179	0.177	0.172	0.166	0.136	0.135
0.168	0.166	0.165	0.166	0.000	0.163	0.159	0.158	0.155	0.154	0.000	0.147	0.140	0.132	0.116

ASSEMBLY LABEL: 0221 SERIAL = 0221 IA,JA,K = 16, 9,13 SEG TYPE/ROT 20/ 0
BATCH = 19 216 PINS
ASSEM RPF = 0.354 ASSEM RPD = 0.354 PLANAR RPD = 0.327 AVE/PEAK GWD/T = 44.30/49.05
PEAK PIN = 0.564 MAX PIN XY = 0.521 MAX CHA = 0.508 PEAK KW/FT = 2.857
@ 1,15 @ 1,15 @ 1,12 PEAK W/CM = 93.727

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.521 LOCATION = 1,15

0.455	0.455	0.457	0.466	0.000	0.474	0.474	0.479	0.485	0.497	0.000	0.510	0.512	0.519	0.521
0.429	0.389	0.451	0.458	0.464	0.468	0.471	0.477	0.481	0.490	0.498	0.503	0.508	0.450	0.514
0.402	0.420	0.429	0.463	0.469	0.474	0.482	0.393	0.493	0.496	0.501	0.508	0.484	0.493	0.490
0.379	0.396	0.429	0.436	0.442	0.447	0.453	0.460	0.463	0.467	0.472	0.478	0.485	0.465	0.465
0.000	0.370	0.401	0.408	0.414	0.421	0.423	0.427	0.432	0.439	0.441	0.446	0.452	0.435	0.000
0.326	0.343	0.372	0.379	0.387	0.312	0.396	0.398	0.404	0.325	0.411	0.413	0.419	0.401	0.400
0.298	0.315	0.346	0.351	0.356	0.362	0.368	0.373	0.375	0.377	0.378	0.383	0.389	0.367	0.364
0.273	0.290	0.257	0.325	0.327	0.332	0.340	0.000	0.347	0.345	0.347	0.353	0.287	0.338	0.333
0.250	0.265	0.292	0.297	0.300	0.306	0.311	0.315	0.316	0.318	0.318	0.322	0.327	0.308	0.304
0.231	0.243	0.265	0.270	0.275	0.222	0.281	0.283	0.287	0.230	0.291	0.292	0.295	0.281	0.279
0.000	0.221	0.240	0.244	0.248	0.252	0.253	0.255	0.258	0.261	0.262	0.264	0.267	0.255	0.000
0.187	0.198	0.216	0.220	0.223	0.225	0.228	0.231	0.232	0.234	0.235	0.237	0.239	0.228	0.225
0.164	0.176	0.181	0.196	0.199	0.201	0.204	0.166	0.208	0.209	0.210	0.212	0.200	0.202	0.197
0.144	0.135	0.160	0.164	0.166	0.168	0.168	0.170	0.171	0.174	0.176	0.177	0.177	0.154	0.173
0.123	0.131	0.135	0.140	0.000	0.143	0.143	0.144	0.146	0.149	0.000	0.151	0.150	0.150	0.147

Cycle 15 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								P233
16								Q225
17							Q229	
19							P237	
20								
22				Q233	NS05			
23	P249	P225	P217					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 8/ 3
BATCH = 6 160 PINS
ASSEM RPF = 0.166 ASSEM RPD = 0.222 PLANAR RPD = 0.205 AVE/PEAK GWD/T = 13.18/14.84
PEAK PIN = 0.384 MAX PIN XY = 0.354 MAX CHA = 0.343 PEAK KW/FT = 1.965
@ 1, 3 @ 1, 3 @ 1, 2 PEAK W/CM = 64.481

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.354 LOCATION = 1, 3

0.000	0.000	0.354	0.322	0.000	0.263	0.233	0.208	0.186	0.168	0.000	0.131	0.114	0.000	0.000
0.000	0.000	0.332	0.300	0.276	0.248	0.222	0.200	0.180	0.162	0.145	0.127	0.113	0.000	0.000
0.000	0.000	0.318	0.286	0.262	0.239	0.216	0.196	0.177	0.158	0.142	0.126	0.113	0.000	0.000
0.000	0.000	0.312	0.279	0.256	0.235	0.214	0.194	0.176	0.158	0.142	0.126	0.114	0.000	0.000
0.000	0.000	0.308	0.276	0.254	0.233	0.214	0.195	0.176	0.159	0.142	0.127	0.115	0.000	0.000
0.000	0.000	0.306	0.275	0.253	0.233	0.214	0.196	0.177	0.160	0.143	0.128	0.116	0.000	0.000
0.000	0.000	0.305	0.274	0.253	0.234	0.218	0.201	0.181	0.161	0.144	0.128	0.116	0.000	0.000
0.000	0.000	0.305	0.275	0.254	0.235	0.221	0.000	0.183	0.161	0.144	0.129	0.116	0.000	0.000
0.000	0.000	0.306	0.276	0.254	0.235	0.219	0.202	0.181	0.161	0.144	0.129	0.117	0.000	0.000
0.000	0.000	0.309	0.278	0.256	0.235	0.216	0.197	0.179	0.161	0.144	0.128	0.117	0.000	0.000
0.000	0.000	0.313	0.281	0.257	0.236	0.216	0.197	0.178	0.160	0.143	0.128	0.116	0.000	0.000
0.000	0.000	0.318	0.284	0.261	0.238	0.217	0.197	0.178	0.160	0.143	0.127	0.116	0.000	0.000
0.000	0.000	0.324	0.291	0.266	0.242	0.219	0.198	0.178	0.160	0.143	0.127	0.114	0.000	0.000
0.000	0.000	0.334	0.302	0.278	0.249	0.222	0.199	0.179	0.161	0.144	0.127	0.113	0.000	0.000
0.000	0.000	0.346	0.316	0.000	0.257	0.226	0.200	0.178	0.160	0.000	0.124	0.109	0.000	0.000

ASSEMBLY LABEL: P233 SERIAL = P233 IA,JA,K = 10,16,13 SEG TYPE/ROT 10/ 0
BATCH = 9 216 PINS
ASSEM RPF = 0.259 ASSEM RPD = 0.257 PLANAR RPD = 0.237 AVE/PEAK GWD/T = 45.57/50.54
PEAK PIN = 0.406 MAX PIN XY = 0.375 MAX CHA = 0.368 PEAK KW/FT = 2.080
@ 15, 1 @ 15, 1 @ 5, 1 PEAK W/CM = 68.228

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.375 LOCATION = 15, 1

0.359	0.348	0.328	0.310	0.000	0.263	0.238	0.217	0.198	0.181	0.000	0.146	0.127	0.110	0.090
0.357	0.324	0.337	0.316	0.292	0.267	0.243	0.199	0.199	0.180	0.162	0.144	0.127	0.100	0.093
0.358	0.359	0.340	0.328	0.303	0.277	0.252	0.230	0.207	0.186	0.166	0.148	0.130	0.114	0.095
0.365	0.364	0.356	0.332	0.305	0.279	0.254	0.230	0.208	0.186	0.167	0.148	0.131	0.116	0.098
0.000	0.367	0.358	0.334	0.307	0.281	0.256	0.232	0.209	0.188	0.168	0.149	0.132	0.117	0.000
0.368	0.368	0.360	0.335	0.309	0.283	0.258	0.234	0.211	0.189	0.169	0.150	0.133	0.118	0.100
0.364	0.367	0.362	0.337	0.310	0.284	0.262	0.239	0.215	0.191	0.170	0.151	0.134	0.118	0.100
0.364	0.333	0.363	0.337	0.311	0.286	0.265	0.000	0.218	0.192	0.171	0.152	0.135	0.103	0.101
0.364	0.367	0.362	0.338	0.311	0.286	0.264	0.242	0.217	0.193	0.172	0.153	0.136	0.119	0.101
0.367	0.368	0.361	0.337	0.311	0.286	0.262	0.238	0.215	0.194	0.173	0.154	0.136	0.120	0.102
0.000	0.368	0.360	0.337	0.311	0.286	0.261	0.238	0.215	0.194	0.174	0.155	0.137	0.121	0.000
0.364	0.365	0.359	0.336	0.311	0.286	0.262	0.239	0.216	0.195	0.174	0.155	0.137	0.120	0.101
0.360	0.362	0.358	0.336	0.311	0.286	0.263	0.240	0.217	0.196	0.175	0.155	0.137	0.119	0.100
0.362	0.328	0.358	0.337	0.313	0.287	0.263	0.207	0.217	0.197	0.176	0.156	0.136	0.102	0.099
0.375	0.368	0.347	0.326	0.000	0.278	0.253	0.231	0.209	0.190	0.000	0.150	0.130	0.112	0.096

ASSEMBLY LABEL: Q225 SERIAL = Q225 IA,JA,K = 11,16,13 SEG TYPE/ROT 15/ 3
BATCH = 14 216 PINS
ASSEM RPF = 0.206 ASSEM RPD = 0.204 PLANAR RPD = 0.188 AVE/PEAK GWD/T = 42.00/45.59
PEAK PIN = 0.406 MAX PIN XY = 0.375 MAX CHA = 0.357 PEAK KW/FT = 2.079
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 68.203

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.375 LOCATION = 1, 1

0.375	0.367	0.344	0.324	0.000	0.277	0.252	0.232	0.211	0.193	0.000	0.154	0.134	0.116	0.100
0.351	0.337	0.346	0.325	0.304	0.279	0.256	0.216	0.214	0.195	0.176	0.156	0.137	0.110	0.098
0.337	0.336	0.335	0.314	0.292	0.269	0.248	0.228	0.207	0.188	0.169	0.151	0.134	0.117	0.096
0.332	0.329	0.326	0.306	0.285	0.261	0.240	0.220	0.200	0.182	0.165	0.147	0.130	0.114	0.095
0.000	0.321	0.317	0.298	0.253	0.255	0.233	0.213	0.194	0.177	0.146	0.142	0.126	0.111	0.000
0.315	0.312	0.309	0.289	0.268	0.246	0.226	0.206	0.188	0.170	0.154	0.137	0.121	0.107	0.089
0.303	0.303	0.300	0.279	0.258	0.238	0.221	0.203	0.183	0.164	0.147	0.131	0.117	0.103	0.085
0.294	0.285	0.292	0.270	0.249	0.229	0.214	0.000	0.177	0.156	0.140	0.125	0.112	0.090	0.082
0.285	0.284	0.281	0.261	0.239	0.219	0.203	0.186	0.167	0.149	0.133	0.119	0.106	0.094	0.078
0.280	0.275	0.271	0.251	0.231	0.209	0.190	0.172	0.156	0.140	0.126	0.112	0.100	0.089	0.075
0.000	0.266	0.260	0.241	0.201	0.199	0.179	0.162	0.146	0.132	0.108	0.105	0.093	0.084	0.000
0.258	0.253	0.248	0.228	0.208	0.187	0.168	0.151	0.135	0.121	0.109	0.097	0.086	0.077	0.066
0.242	0.238	0.216	0.214	0.193	0.173	0.155	0.139	0.124	0.110	0.098	0.087	0.078	0.070	0.060
0.220	0.211	0.206	0.189	0.170	0.151	0.134	0.116	0.106	0.094	0.083	0.074	0.066	0.057	0.053
0.209	0.193	0.184	0.168	0.000	0.133	0.116	0.102	0.089	0.080	0.000	0.062	0.055	0.049	0.044

ASSEMBLY LABEL: Q229 SERIAL = Q229 IA,JA,K = 12,15,13 SEG TYPE/ROT 14/ 3
BATCH = 14 216 PINS
ASSEM RPF = 0.371 ASSEM RPD = 0.367 PLANAR RPD = 0.339 AVE/PEAK GWD/T = 43.21/47.99
PEAK PIN = 0.710 MAX PIN XY = 0.655 MAX CHA = 0.627 PEAK KW/FT = 3.634
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 119.221

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.655 LOCATION = 1, 1

0.655	0.637	0.600	0.570	0.000	0.506	0.471	0.443	0.415	0.393	0.000	0.340	0.312	0.290	0.273
0.630	0.587	0.598	0.564	0.532	0.499	0.468	0.404	0.412	0.386	0.362	0.335	0.309	0.263	0.255
0.606	0.582	0.571	0.536	0.503	0.472	0.443	0.417	0.390	0.364	0.339	0.315	0.291	0.269	0.239
0.588	0.561	0.546	0.512	0.482	0.450	0.421	0.395	0.370	0.346	0.323	0.298	0.275	0.254	0.226
0.000	0.540	0.523	0.491	0.421	0.431	0.402	0.376	0.352	0.330	0.281	0.283	0.260	0.241	0.000
0.542	0.515	0.501	0.468	0.439	0.410	0.384	0.360	0.336	0.313	0.291	0.267	0.245	0.226	0.199
0.514	0.492	0.480	0.447	0.418	0.392	0.372	0.350	0.324	0.297	0.275	0.253	0.232	0.212	0.185
0.492	0.457	0.461	0.428	0.399	0.375	0.357	0.000	0.311	0.283	0.261	0.240	0.221	0.185	0.174
0.471	0.451	0.441	0.410	0.382	0.358	0.339	0.319	0.295	0.270	0.249	0.228	0.209	0.190	0.164
0.455	0.433	0.422	0.393	0.368	0.343	0.320	0.299	0.278	0.258	0.239	0.218	0.199	0.181	0.157
0.000	0.416	0.404	0.379	0.324	0.330	0.307	0.286	0.266	0.248	0.209	0.209	0.190	0.173	0.000
0.415	0.397	0.389	0.363	0.340	0.316	0.295	0.275	0.256	0.237	0.219	0.200	0.182	0.164	0.141
0.393	0.377	0.344	0.350	0.326	0.305	0.285	0.267	0.247	0.229	0.210	0.192	0.174	0.157	0.133
0.365	0.343	0.340	0.322	0.303	0.283	0.263	0.238	0.229	0.212	0.196	0.178	0.160	0.138	0.125
0.362	0.332	0.322	0.306	0.000	0.269	0.250	0.233	0.217	0.203	0.000	0.170	0.151	0.133	0.111

ASSEMBLY LABEL: P237 SERIAL = P237 IA,JA,K = 13,15,13 SEG TYPE/ROT 9/ 0
BATCH = 9 216 PINS
ASSEM RPF = 0.156 ASSEM RPD = 0.154 PLANAR RPD = 0.142 AVE/PEAK GWD/T = 45.33/52.40
PEAK PIN = 0.366 MAX PIN XY = 0.338 MAX CHA = 0.313 PEAK KW/FT = 1.875
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 61.509

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.338 LOCATION = 1, 1

0.338	0.318	0.298	0.282	0.000	0.248	0.229	0.213	0.197	0.183	0.000	0.152	0.135	0.118	0.099
0.319	0.277	0.287	0.270	0.253	0.236	0.219	0.184	0.189	0.175	0.160	0.145	0.130	0.104	0.100
0.301	0.288	0.269	0.261	0.244	0.227	0.212	0.198	0.183	0.168	0.154	0.140	0.126	0.113	0.096
0.286	0.272	0.262	0.244	0.227	0.212	0.198	0.184	0.170	0.157	0.143	0.131	0.118	0.107	0.092
0.000	0.256	0.245	0.228	0.212	0.198	0.184	0.171	0.158	0.146	0.134	0.122	0.111	0.100	0.000
0.252	0.239	0.229	0.213	0.198	0.185	0.172	0.160	0.148	0.136	0.125	0.114	0.103	0.093	0.081
0.233	0.222	0.214	0.198	0.185	0.172	0.162	0.152	0.140	0.127	0.116	0.106	0.096	0.087	0.075
0.217	0.186	0.199	0.184	0.171	0.160	0.152	0.000	0.131	0.119	0.108	0.099	0.090	0.070	0.070
0.201	0.191	0.184	0.171	0.159	0.148	0.140	0.131	0.120	0.110	0.100	0.091	0.083	0.075	0.065
0.187	0.176	0.169	0.157	0.146	0.136	0.127	0.118	0.109	0.101	0.092	0.084	0.076	0.069	0.060
0.000	0.162	0.154	0.143	0.133	0.124	0.116	0.108	0.100	0.092	0.084	0.077	0.070	0.064	0.000
0.154	0.146	0.140	0.130	0.121	0.113	0.105	0.098	0.091	0.084	0.077	0.070	0.064	0.058	0.051
0.137	0.131	0.126	0.118	0.110	0.102	0.095	0.089	0.082	0.076	0.070	0.064	0.058	0.052	0.045
0.119	0.104	0.113	0.106	0.099	0.092	0.086	0.069	0.074	0.069	0.064	0.058	0.052	0.041	0.041
0.101	0.101	0.096	0.091	0.000	0.080	0.074	0.069	0.064	0.060	0.000	0.051	0.046	0.041	0.036

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 160 PINS
ASSEM RPF = 0.092 ASSEM RPD = 0.122 PLANAR RPD = 0.113 AVE/PEAK GWD/T = 12.60/15.66
PEAK PIN = 0.327 MAX PIN XY = 0.302 MAX CHA = 0.283 PEAK KW/FT = 1.676
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 54.995

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.302 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.302	0.265	0.237	0.216	0.198	0.181	0.166	0.153	0.140	0.129	0.118	0.108	0.098	0.090	0.080
0.278	0.241	0.214	0.194	0.178	0.164	0.151	0.139	0.128	0.118	0.108	0.099	0.090	0.083	0.074
0.000	0.224	0.198	0.180	0.165	0.152	0.141	0.131	0.121	0.111	0.102	0.093	0.085	0.078	0.000
0.233	0.204	0.182	0.166	0.153	0.142	0.133	0.123	0.114	0.105	0.096	0.088	0.080	0.072	0.063
0.209	0.185	0.167	0.153	0.142	0.133	0.126	0.119	0.109	0.099	0.091	0.083	0.075	0.066	0.057
0.189	0.168	0.153	0.141	0.132	0.124	0.118	0.000	0.103	0.093	0.085	0.078	0.070	0.062	0.051
0.171	0.153	0.139	0.129	0.121	0.114	0.108	0.103	0.095	0.087	0.079	0.072	0.065	0.057	0.047
0.156	0.139	0.127	0.118	0.110	0.104	0.098	0.092	0.086	0.080	0.073	0.067	0.060	0.053	0.043
0.000	0.126	0.114	0.106	0.100	0.094	0.089	0.084	0.078	0.073	0.067	0.061	0.055	0.048	0.000
0.124	0.112	0.103	0.096	0.090	0.085	0.080	0.076	0.071	0.066	0.061	0.055	0.049	0.043	0.034
0.110	0.101	0.093	0.088	0.083	0.078	0.073	0.069	0.065	0.060	0.055	0.050	0.044	0.038	0.030
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: Q233 SERIAL = Q233 IA,JA,K = 15,12,13 SEG TYPE/ROT 14/ 1
BATCH = 14 216 PINS
ASSEM RPF = 0.365 ASSEM RPD = 0.361 PLANAR RPD = 0.334 AVE/PEAK GWD/T = 42.13/47.09
PEAK PIN = 0.705 MAX PIN XY = 0.650 MAX CHA = 0.624 PEAK KW/FT = 3.607
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 118.354

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.650 LOCATION = 1, 1

0.650	0.627	0.605	0.587	0.000	0.541	0.512	0.489	0.466	0.448	0.000	0.405	0.380	0.352	0.352
0.631	0.586	0.582	0.561	0.540	0.516	0.492	0.456	0.448	0.428	0.409	0.388	0.367	0.332	0.323
0.593	0.596	0.571	0.547	0.524	0.502	0.480	0.460	0.438	0.417	0.398	0.380	0.335	0.330	0.314
0.563	0.562	0.535	0.512	0.491	0.467	0.446	0.425	0.406	0.388	0.372	0.354	0.340	0.312	0.299
0.000	0.529	0.501	0.481	0.420	0.438	0.415	0.396	0.378	0.362	0.317	0.331	0.316	0.293	0.000
0.498	0.495	0.470	0.448	0.429	0.408	0.389	0.371	0.353	0.336	0.322	0.307	0.295	0.273	0.264
0.464	0.464	0.441	0.419	0.399	0.381	0.368	0.353	0.333	0.313	0.298	0.285	0.275	0.254	0.245
0.436	0.400	0.414	0.392	0.373	0.356	0.346	0.000	0.313	0.292	0.277	0.265	0.257	0.230	0.229
0.408	0.407	0.386	0.366	0.348	0.332	0.319	0.306	0.288	0.271	0.257	0.246	0.237	0.220	0.213
0.385	0.382	0.360	0.342	0.326	0.308	0.292	0.277	0.263	0.250	0.239	0.227	0.219	0.204	0.200
0.000	0.357	0.335	0.319	0.276	0.286	0.269	0.255	0.242	0.231	0.201	0.210	0.201	0.188	0.000
0.333	0.330	0.310	0.293	0.278	0.262	0.247	0.234	0.221	0.210	0.201	0.191	0.183	0.171	0.168
0.306	0.304	0.287	0.270	0.255	0.240	0.227	0.215	0.202	0.191	0.181	0.173	0.166	0.153	0.149
0.285	0.259	0.265	0.250	0.236	0.221	0.207	0.179	0.184	0.174	0.165	0.156	0.148	0.132	0.130
0.269	0.252	0.236	0.223	0.000	0.195	0.180	0.169	0.159	0.150	0.000	0.133	0.124	0.117	0.106

ASSEMBLY LABEL: P217 SERIAL = P217 IA,JA,K = 16,11,13 SEG TYPE/ROT 10/ 1
BATCH = 9 216 PINS
ASSEM RPF = 0.203 ASSEM RPD = 0.201 PLANAR RPD = 0.185 AVE/PEAK GWD/T = 45.94/50.40
PEAK PIN = 0.413 MAX PIN XY = 0.381 MAX CHA = 0.358 PEAK KW/FT = 2.112
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.294

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.381 LOCATION = 1, 1

0.381	0.358	0.344	0.337	0.000	0.317	0.304	0.294	0.284	0.276	0.000	0.253	0.237	0.222	0.206
0.373	0.321	0.342	0.334	0.325	0.314	0.303	0.265	0.282	0.272	0.261	0.247	0.232	0.197	0.194
0.351	0.349	0.337	0.327	0.317	0.307	0.297	0.288	0.276	0.264	0.252	0.238	0.216	0.200	0.178
0.330	0.328	0.315	0.306	0.296	0.286	0.277	0.267	0.256	0.244	0.232	0.219	0.204	0.182	0.162
0.000	0.305	0.293	0.283	0.274	0.265	0.255	0.246	0.235	0.224	0.212	0.199	0.185	0.164	0.000
0.282	0.280	0.270	0.261	0.252	0.244	0.235	0.226	0.215	0.204	0.192	0.180	0.166	0.146	0.127
0.257	0.257	0.248	0.239	0.231	0.224	0.218	0.210	0.198	0.186	0.174	0.162	0.149	0.130	0.111
0.235	0.203	0.227	0.219	0.211	0.204	0.199	0.000	0.181	0.168	0.157	0.146	0.133	0.104	0.098
0.213	0.213	0.206	0.199	0.192	0.185	0.180	0.173	0.163	0.151	0.141	0.130	0.118	0.102	0.086
0.195	0.194	0.186	0.180	0.173	0.167	0.160	0.153	0.144	0.136	0.126	0.116	0.105	0.090	0.076
0.000	0.175	0.167	0.162	0.156	0.150	0.143	0.136	0.129	0.121	0.113	0.103	0.093	0.080	0.000
0.155	0.155	0.149	0.144	0.139	0.133	0.128	0.121	0.115	0.108	0.100	0.092	0.083	0.071	0.059
0.135	0.136	0.131	0.127	0.123	0.118	0.113	0.108	0.102	0.095	0.089	0.081	0.073	0.062	0.052
0.117	0.102	0.114	0.111	0.108	0.103	0.099	0.081	0.089	0.084	0.079	0.072	0.065	0.050	0.046
0.100	0.097	0.095	0.093	0.000	0.086	0.082	0.079	0.075	0.071	0.000	0.062	0.056	0.049	0.041

ASSEMBLY LABEL: P225 SERIAL = P225 IA,JA,K = 16,10,13 SEG TYPE/ROT 10/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.284 ASSEM RPD = 0.282 PLANAR RPD = 0.260 AVE/PEAK GWD/T = 45.49/51.51
PEAK PIN = 0.503 MAX PIN XY = 0.464 MAX CHA = 0.452 PEAK KW/FT = 2.575
@ 1, 4 @ 1, 4 @ 1, 3 PEAK W/CM = 84.484

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.464 LOCATION = 1, 4

0.420	0.450	0.459	0.464	0.000	0.458	0.449	0.444	0.437	0.434	0.000	0.422	0.415	0.416	0.427
0.394	0.379	0.441	0.444	0.443	0.437	0.431	0.368	0.420	0.415	0.411	0.404	0.397	0.342	0.386
0.368	0.389	0.408	0.409	0.406	0.402	0.398	0.394	0.388	0.382	0.377	0.372	0.368	0.365	0.353
0.345	0.362	0.377	0.377	0.373	0.370	0.366	0.361	0.357	0.352	0.347	0.343	0.340	0.339	0.328
0.000	0.334	0.347	0.346	0.343	0.340	0.336	0.332	0.328	0.324	0.320	0.316	0.313	0.314	0.000
0.292	0.306	0.319	0.318	0.315	0.313	0.310	0.306	0.303	0.298	0.294	0.291	0.289	0.288	0.278
0.264	0.279	0.292	0.291	0.289	0.287	0.287	0.286	0.281	0.274	0.270	0.268	0.266	0.264	0.253
0.241	0.230	0.267	0.266	0.264	0.262	0.264	0.000	0.258	0.251	0.247	0.245	0.244	0.209	0.232
0.218	0.231	0.242	0.242	0.240	0.238	0.239	0.238	0.234	0.228	0.225	0.223	0.222	0.220	0.211
0.199	0.210	0.219	0.219	0.217	0.215	0.214	0.211	0.209	0.206	0.204	0.202	0.200	0.200	0.192
0.000	0.189	0.196	0.197	0.195	0.194	0.192	0.190	0.188	0.185	0.183	0.182	0.180	0.180	0.000
0.159	0.167	0.175	0.175	0.174	0.173	0.171	0.169	0.167	0.165	0.164	0.162	0.160	0.159	0.153
0.138	0.146	0.148	0.154	0.153	0.152	0.151	0.149	0.147	0.145	0.143	0.142	0.140	0.138	0.131
0.118	0.114	0.127	0.128	0.128	0.127	0.125	0.112	0.122	0.121	0.119	0.117	0.115	0.102	0.111
0.098	0.102	0.103	0.105	0.000	0.103	0.101	0.099	0.098	0.098	0.000	0.094	0.091	0.089	0.087

ASSEMBLY LABEL: P249 SERIAL = P249 IA,JA,K = 16, 9,13 SEG TYPE/ROT 10/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.308 ASSEM RPD = 0.305 PLANAR RPD = 0.281 AVE/PEAK GWD/T = 46.76/50.50
PEAK PIN = 0.526 MAX PIN XY = 0.485 MAX CHA = 0.472 PEAK KW/FT = 2.693
@ 1, 6 @ 1, 6 @ 1, 6 PEAK W/CM = 88.339

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.485 LOCATION = 1, 6

0.455	0.473	0.478	0.484	0.000	0.485	0.481	0.481	0.479	0.483	0.000	0.480	0.475	0.475	0.479
0.411	0.392	0.455	0.461	0.463	0.462	0.460	0.398	0.458	0.459	0.459	0.457	0.455	0.397	0.450
0.376	0.398	0.420	0.423	0.424	0.424	0.424	0.424	0.422	0.421	0.420	0.420	0.421	0.424	0.419
0.350	0.369	0.387	0.390	0.391	0.390	0.390	0.389	0.388	0.387	0.387	0.387	0.388	0.394	0.392
0.000	0.341	0.356	0.359	0.359	0.359	0.358	0.358	0.357	0.356	0.355	0.356	0.357	0.364	0.000
0.295	0.312	0.328	0.330	0.330	0.330	0.330	0.329	0.328	0.327	0.326	0.326	0.328	0.334	0.333
0.267	0.285	0.301	0.303	0.303	0.303	0.306	0.307	0.304	0.300	0.299	0.299	0.301	0.305	0.303
0.243	0.235	0.275	0.276	0.277	0.277	0.281	0.000	0.279	0.274	0.273	0.273	0.276	0.242	0.278
0.220	0.236	0.250	0.251	0.252	0.252	0.254	0.255	0.252	0.249	0.248	0.248	0.250	0.254	0.253
0.201	0.214	0.225	0.227	0.227	0.227	0.227	0.227	0.226	0.225	0.224	0.225	0.226	0.231	0.231
0.000	0.193	0.202	0.204	0.204	0.204	0.204	0.203	0.202	0.202	0.202	0.202	0.203	0.208	0.000
0.160	0.170	0.180	0.182	0.182	0.182	0.182	0.181	0.181	0.180	0.180	0.180	0.181	0.185	0.186
0.138	0.148	0.152	0.159	0.160	0.160	0.160	0.160	0.159	0.158	0.158	0.158	0.159	0.162	0.162
0.118	0.116	0.130	0.133	0.134	0.133	0.133	0.120	0.132	0.132	0.133	0.132	0.132	0.121	0.138
0.099	0.104	0.106	0.108	0.000	0.109	0.107	0.107	0.107	0.108	0.000	0.108	0.107	0.107	0.109

CASMO-4 / SIMULATE-3 Pin Power Maps

Cycle 01 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								C226
14								C228
16								C230
17							C232	
19							C236	
20								
22								
23								

90 Deg.

135 Deg.

180 Deg.

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: C226 SERIAL = C226 IA,JA,K = 9,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 212 PINS
ASSEM RPF = 0.874 ASSEM RPD = 0.872 PLANAR RPD = 0.778 AVE/PEAK GWD/T = 5.91/10.52
PEAK PIN = 1.292 MAX PIN XY = 1.152 MAX CHA = 1.120 PEAK KW/FT = 5.838
@ 13, 2 @ 13, 2 @ 14, 1 PEAK W/CM = 191.540

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.152 LOCATION = 13, 2

1.124	1.059	0.982	0.944	0.000	0.861	0.801	0.758	0.724	0.703	0.000	0.617	0.562	0.515	0.440
1.093	0.000	1.085	1.003	0.970	0.912	0.859	0.816	0.777	0.744	0.712	0.655	0.622	0.000	0.436
1.042	1.114	1.023	0.953	0.907	0.870	0.827	0.786	0.748	0.709	0.664	0.621	0.586	0.547	0.419
1.029	1.061	0.979	0.930	0.887	0.849	0.811	0.774	0.732	0.691	0.647	0.605	0.560	0.520	0.415
0.000	1.060	0.962	0.914	0.880	0.842	0.809	0.771	0.730	0.683	0.641	0.593	0.548	0.519	0.000
1.004	1.029	0.955	0.907	0.872	0.847	0.814	0.781	0.734	0.688	0.634	0.588	0.544	0.503	0.403
0.975	1.013	0.949	0.905	0.875	0.849	0.839	0.820	0.756	0.689	0.636	0.585	0.539	0.493	0.390
0.972	1.012	0.948	0.908	0.877	0.855	0.862	0.000	0.776	0.693	0.636	0.585	0.536	0.490	0.387
0.982	1.022	0.956	0.911	0.880	0.853	0.842	0.822	0.758	0.689	0.637	0.585	0.538	0.493	0.391
1.021	1.046	0.970	0.918	0.881	0.854	0.819	0.784	0.737	0.689	0.636	0.588	0.544	0.504	0.404
0.000	1.082	0.983	0.931	0.893	0.852	0.817	0.777	0.733	0.686	0.643	0.594	0.549	0.518	0.000
1.062	1.091	1.006	0.952	0.904	0.862	0.821	0.781	0.737	0.693	0.649	0.606	0.561	0.521	0.416
1.077	1.152	1.053	0.980	0.930	0.887	0.840	0.795	0.754	0.712	0.666	0.622	0.586	0.548	0.421
1.127	0.000	1.123	1.036	0.998	0.933	0.876	0.827	0.785	0.748	0.716	0.657	0.622	0.000	0.439
1.138	1.094	1.020	0.980	0.000	0.884	0.817	0.772	0.733	0.709	0.000	0.619	0.564	0.518	0.443

ASSEMBLY LABEL: C228 SERIAL = C228 IA,JA,K = 10,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 212 PINS
ASSEM RPF = 0.867 ASSEM RPD = 0.865 PLANAR RPD = 0.772 AVE/PEAK GWD/T = 5.89/ 9.85
PEAK PIN = 1.288 MAX PIN XY = 1.149 MAX CHA = 1.109 PEAK KW/FT = 5.819
@ 3, 2 @ 3, 2 @ 2, 2 PEAK W/CM = 190.927

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.149 LOCATION = 3, 2

1.128	1.087	1.014	0.974	0.000	0.881	0.817	0.770	0.733	0.710	0.000	0.621	0.566	0.520	0.444
1.104	0.000	1.121	1.035	0.997	0.932	0.874	0.826	0.784	0.748	0.715	0.657	0.623	0.000	0.438
1.057	1.149	1.058	0.984	0.931	0.888	0.840	0.794	0.753	0.711	0.664	0.620	0.585	0.547	0.420
1.045	1.095	1.013	0.959	0.909	0.865	0.822	0.780	0.735	0.691	0.646	0.603	0.557	0.518	0.414
0.000	1.092	0.994	0.941	0.901	0.857	0.819	0.776	0.731	0.682	0.638	0.589	0.544	0.515	0.000
1.018	1.059	0.985	0.932	0.891	0.860	0.821	0.783	0.733	0.684	0.629	0.581	0.538	0.497	0.399
0.985	1.039	0.975	0.927	0.891	0.859	0.844	0.820	0.753	0.683	0.628	0.576	0.530	0.485	0.384
0.977	1.033	0.970	0.926	0.889	0.862	0.863	0.000	0.769	0.684	0.625	0.574	0.524	0.480	0.378
0.981	1.036	0.972	0.923	0.888	0.855	0.840	0.815	0.748	0.677	0.623	0.571	0.524	0.479	0.378
1.012	1.053	0.978	0.924	0.883	0.851	0.812	0.773	0.722	0.673	0.619	0.570	0.525	0.485	0.387
0.000	1.079	0.983	0.929	0.888	0.842	0.804	0.760	0.714	0.665	0.621	0.571	0.526	0.494	0.000
1.035	1.077	0.996	0.941	0.890	0.845	0.801	0.758	0.712	0.667	0.621	0.577	0.531	0.490	0.388
1.043	1.127	1.032	0.958	0.906	0.860	0.811	0.764	0.721	0.678	0.631	0.586	0.549	0.509	0.386
1.090	0.000	1.089	1.001	0.961	0.894	0.835	0.786	0.741	0.703	0.669	0.611	0.574	0.000	0.395
1.117	1.060	0.979	0.934	0.000	0.835	0.768	0.722	0.682	0.656	0.000	0.565	0.510	0.463	0.390

ASSEMBLY LABEL: C230 SERIAL = C230 IA,JA,K = 11,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 212 PINS
ASSEM RPF = 0.664 ASSEM RPD = 0.662 PLANAR RPD = 0.591 AVE/PEAK GWD/T = 4.46/ 9.06
PEAK PIN = 1.251 MAX PIN XY = 1.116 MAX CHA = 1.080 PEAK KW/FT = 5.653
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 185.467

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.116 LOCATION = 1, 1

1.116	1.059	0.978	0.931	0.000	0.830	0.764	0.715	0.675	0.648	0.000	0.556	0.500	0.453	0.379
1.065	0.000	1.070	0.980	0.939	0.871	0.812	0.763	0.717	0.679	0.643	0.584	0.547	0.000	0.368
0.996	1.081	0.988	0.913	0.860	0.815	0.766	0.719	0.676	0.634	0.586	0.541	0.503	0.462	0.344
0.962	1.008	0.925	0.872	0.822	0.777	0.734	0.692	0.647	0.602	0.556	0.513	0.467	0.427	0.330
0.000	0.984	0.888	0.836	0.796	0.752	0.713	0.671	0.627	0.579	0.535	0.487	0.443	0.412	0.000
0.898	0.932	0.859	0.807	0.766	0.733	0.695	0.657	0.609	0.562	0.511	0.466	0.424	0.384	0.298
0.848	0.892	0.829	0.781	0.743	0.711	0.692	0.665	0.604	0.541	0.492	0.445	0.402	0.361	0.276
0.823	0.864	0.802	0.756	0.718	0.688	0.681	0.000	0.592	0.520	0.469	0.424	0.381	0.342	0.262
0.806	0.843	0.778	0.728	0.690	0.656	0.635	0.607	0.549	0.490	0.444	0.400	0.362	0.325	0.250
0.811	0.831	0.758	0.702	0.658	0.623	0.584	0.546	0.502	0.460	0.416	0.377	0.342	0.311	0.242
0.000	0.825	0.733	0.676	0.631	0.585	0.546	0.506	0.465	0.425	0.390	0.352	0.320	0.297	0.000
0.780	0.793	0.712	0.652	0.599	0.553	0.509	0.470	0.430	0.393	0.359	0.328	0.298	0.273	0.214
0.755	0.795	0.702	0.628	0.572	0.524	0.477	0.435	0.398	0.364	0.330	0.301	0.279	0.259	0.196
0.751	0.000	0.699	0.614	0.563	0.501	0.447	0.403	0.366	0.335	0.310	0.277	0.258	0.000	0.183
0.713	0.657	0.579	0.524	0.000	0.417	0.362	0.322	0.289	0.265	0.000	0.214	0.192	0.178	0.160

ASSEMBLY LABEL: C232 SERIAL = C232 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 212 PINS
ASSEM RPF = 0.934 ASSEM RPD = 0.933 PLANAR RPD = 0.832 AVE/PEAK GWD/T = 6.47/10.80
PEAK PIN = 1.455 MAX PIN XY = 1.297 MAX CHA = 1.261 PEAK KW/FT = 6.571
@ 1, 1 @ 1, 1 @ 2, 1 PEAK W/CM = 215.592

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.297 LOCATION = 1, 1

1.297	1.200	1.101	1.055	0.000	0.973	0.915	0.886	0.864	0.865	0.000	0.817	0.783	0.769	0.717
1.282	0.000	1.217	1.122	1.086	1.028	0.978	0.945	0.916	0.898	0.884	0.845	0.835	0.000	0.670
1.229	1.273	1.141	1.061	1.012	0.970	0.935	0.900	0.867	0.837	0.809	0.774	0.753	0.740	0.603
1.213	1.211	1.092	1.023	0.976	0.937	0.905	0.872	0.837	0.801	0.764	0.728	0.695	0.671	0.561
0.000	1.201	1.067	0.998	0.954	0.920	0.889	0.854	0.817	0.776	0.734	0.693	0.658	0.634	0.000
1.168	1.153	1.043	0.981	0.938	0.907	0.880	0.849	0.805	0.758	0.711	0.665	0.622	0.586	0.481
1.119	1.117	1.023	0.965	0.926	0.900	0.886	0.874	0.806	0.744	0.691	0.641	0.593	0.547	0.437
1.098	1.099	1.007	0.951	0.914	0.891	0.897	0.000	0.814	0.730	0.672	0.620	0.570	0.521	0.410
1.093	1.092	0.996	0.939	0.900	0.872	0.856	0.840	0.773	0.708	0.654	0.602	0.552	0.501	0.391
1.116	1.100	0.991	0.929	0.886	0.852	0.821	0.786	0.739	0.688	0.638	0.586	0.538	0.493	0.387
0.000	1.119	0.991	0.923	0.876	0.838	0.802	0.763	0.720	0.673	0.626	0.577	0.530	0.491	0.000
1.115	1.107	0.996	0.925	0.877	0.835	0.795	0.755	0.713	0.669	0.622	0.575	0.528	0.481	0.371
1.115	1.150	1.026	0.949	0.897	0.850	0.805	0.763	0.721	0.679	0.636	0.587	0.543	0.499	0.368
1.160	0.000	1.099	1.009	0.969	0.902	0.844	0.797	0.755	0.721	0.687	0.625	0.582	0.000	0.382
1.194	1.111	1.021	0.973	0.000	0.878	0.811	0.765	0.727	0.703	0.000	0.605	0.543	0.485	0.391

ASSEMBLY LABEL: C236 SERIAL = C236 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 212 PINS
ASSEM RPF = 0.573 ASSEM RPD = 0.572 PLANAR RPD = 0.510 AVE/PEAK GWD/T = 3.96/ 9.23
PEAK PIN = 1.351 MAX PIN XY = 1.205 MAX CHA = 1.146 PEAK KW/FT = 6.103
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 200.229

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.205 LOCATION = 1, 1

1.205	1.116	1.018	0.968	0.000	0.867	0.798	0.752	0.713	0.690	0.000	0.593	0.534	0.479	0.388
1.118	0.000	1.050	0.955	0.915	0.846	0.789	0.742	0.702	0.669	0.638	0.582	0.545	0.000	0.362
1.021	1.051	0.925	0.849	0.797	0.750	0.707	0.667	0.628	0.590	0.552	0.510	0.475	0.442	0.328
0.972	0.958	0.850	0.780	0.734	0.694	0.656	0.619	0.581	0.544	0.505	0.466	0.430	0.396	0.307
0.000	0.918	0.799	0.735	0.690	0.654	0.621	0.586	0.548	0.510	0.472	0.434	0.400	0.373	0.000
0.873	0.851	0.753	0.696	0.655	0.623	0.594	0.563	0.524	0.484	0.446	0.408	0.373	0.343	0.268
0.805	0.794	0.710	0.658	0.622	0.595	0.577	0.560	0.508	0.461	0.422	0.384	0.351	0.317	0.243
0.758	0.748	0.671	0.621	0.588	0.564	0.561	0.000	0.494	0.437	0.396	0.361	0.328	0.297	0.227
0.720	0.708	0.632	0.585	0.551	0.526	0.510	0.495	0.448	0.406	0.371	0.338	0.307	0.278	0.213
0.697	0.675	0.595	0.547	0.513	0.486	0.462	0.438	0.407	0.375	0.344	0.315	0.288	0.264	0.205
0.000	0.644	0.556	0.508	0.475	0.448	0.424	0.398	0.372	0.345	0.318	0.292	0.269	0.250	0.000
0.600	0.588	0.514	0.470	0.437	0.410	0.386	0.363	0.339	0.316	0.292	0.270	0.248	0.230	0.178
0.540	0.550	0.479	0.434	0.403	0.376	0.353	0.330	0.308	0.289	0.270	0.249	0.232	0.217	0.163
0.484	0.000	0.446	0.399	0.376	0.346	0.319	0.299	0.280	0.265	0.251	0.230	0.217	0.000	0.152
0.392	0.366	0.331	0.310	0.000	0.270	0.246	0.229	0.215	0.207	0.000	0.179	0.163	0.153	0.135

Cycle 02 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								D01V
14								D014
16								D009
17							D01Z	
19							D00D	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: D01V SERIAL = D01V IA,JA,K = 9,16,13 SEG TYPE/ROT 7/ 3
BATCH = 6 216 PINS
ASSEM RPF = 0.798 ASSEM RPD = 0.788 PLANAR RPD = 0.734 AVE/PEAK GWD/T = 5.96/ 9.90
PEAK PIN = 1.138 MAX PIN XY = 1.059 MAX CHA = 1.017 PEAK KW/FT = 5.875
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 192.739

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.059 LOCATION = 1, 1

1.059	0.982	0.942	0.931	0.000	0.859	0.798	0.754	0.716	0.689	0.000	0.588	0.520	0.462	0.411
1.001	1.028	0.979	0.952	0.933	0.881	0.828	0.784	0.743	0.706	0.668	0.603	0.542	0.489	0.398
0.983	1.002	0.957	0.915	0.880	0.844	0.801	0.760	0.718	0.676	0.628	0.578	0.530	0.479	0.395
0.999	1.004	0.942	0.902	0.863	0.825	0.786	0.747	0.704	0.660	0.615	0.570	0.521	0.479	0.403
0.000	1.018	0.934	0.891	0.857	0.818	0.783	0.743	0.701	0.653	0.610	0.561	0.516	0.485	0.000
0.989	0.995	0.931	0.885	0.849	0.820	0.785	0.749	0.702	0.655	0.603	0.556	0.513	0.474	0.398
0.959	0.977	0.923	0.882	0.849	0.820	0.806	0.783	0.722	0.655	0.603	0.553	0.508	0.465	0.386
0.952	0.971	0.920	0.880	0.847	0.822	0.823	0.000	0.736	0.656	0.601	0.552	0.506	0.462	0.383
0.956	0.974	0.920	0.878	0.846	0.817	0.803	0.779	0.717	0.651	0.600	0.550	0.505	0.463	0.384
0.983	0.988	0.925	0.879	0.842	0.813	0.778	0.742	0.695	0.648	0.597	0.551	0.508	0.470	0.395
0.000	1.004	0.924	0.880	0.847	0.806	0.772	0.732	0.690	0.643	0.601	0.553	0.509	0.478	0.000
0.983	0.988	0.928	0.888	0.848	0.811	0.772	0.733	0.691	0.647	0.602	0.558	0.511	0.471	0.396
0.963	0.983	0.938	0.899	0.863	0.827	0.784	0.743	0.701	0.661	0.613	0.566	0.519	0.469	0.387
0.975	1.005	0.958	0.932	0.913	0.861	0.809	0.765	0.725	0.689	0.653	0.589	0.530	0.479	0.390
1.021	0.957	0.921	0.910	0.000	0.841	0.781	0.737	0.699	0.674	0.000	0.576	0.510	0.455	0.403

ASSEMBLY LABEL: D014 SERIAL = D014 IA,JA,K = 10,16,13 SEG TYPE/ROT 7/ 3
BATCH = 6 216 PINS
ASSEM RPF = 0.763 ASSEM RPD = 0.754 PLANAR RPD = 0.702 AVE/PEAK GWD/T = 5.76/10.20
PEAK PIN = 1.108 MAX PIN XY = 1.031 MAX CHA = 1.003 PEAK KW/FT = 5.721
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 187.686

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.031 LOCATION = 1, 1

1.031	0.963	0.926	0.915	0.000	0.842	0.781	0.736	0.697	0.670	0.000	0.571	0.505	0.450	0.399
1.002	1.018	0.963	0.932	0.910	0.857	0.804	0.760	0.718	0.682	0.645	0.582	0.523	0.473	0.384
0.994	0.993	0.938	0.891	0.854	0.817	0.773	0.732	0.691	0.651	0.604	0.556	0.509	0.460	0.380
1.012	0.993	0.919	0.875	0.833	0.795	0.757	0.718	0.676	0.633	0.589	0.546	0.499	0.460	0.386
0.000	1.003	0.908	0.860	0.825	0.785	0.751	0.712	0.671	0.625	0.583	0.536	0.493	0.464	0.000
0.998	0.977	0.902	0.851	0.814	0.786	0.751	0.716	0.671	0.626	0.576	0.531	0.489	0.451	0.379
0.966	0.957	0.892	0.846	0.812	0.784	0.769	0.747	0.688	0.624	0.574	0.526	0.483	0.441	0.366
0.957	0.949	0.886	0.842	0.809	0.784	0.784	0.000	0.700	0.623	0.570	0.523	0.478	0.436	0.360
0.960	0.950	0.885	0.839	0.806	0.777	0.762	0.739	0.679	0.616	0.567	0.519	0.475	0.434	0.359
0.987	0.963	0.889	0.838	0.800	0.771	0.737	0.701	0.657	0.611	0.562	0.517	0.475	0.437	0.365
0.000	0.979	0.888	0.839	0.803	0.763	0.729	0.690	0.648	0.603	0.561	0.515	0.472	0.440	0.000
0.987	0.963	0.890	0.845	0.803	0.765	0.726	0.687	0.645	0.602	0.558	0.515	0.469	0.429	0.358
0.967	0.957	0.899	0.853	0.814	0.777	0.733	0.692	0.650	0.610	0.563	0.516	0.470	0.422	0.344
0.976	0.977	0.915	0.881	0.858	0.804	0.752	0.707	0.665	0.629	0.592	0.530	0.472	0.423	0.340
1.013	0.924	0.874	0.855	0.000	0.778	0.717	0.672	0.633	0.605	0.000	0.507	0.444	0.391	0.343

ASSEMBLY LABEL: D009 SERIAL = D009 IA,JA,K = 11,16,13 SEG TYPE/ROT 7/ 3
BATCH = 6 216 PINS
ASSEM RPF = 0.592 ASSEM RPD = 0.584 PLANAR RPD = 0.544 AVE/PEAK GWD/T = 4.43/ 8.87
PEAK PIN = 1.081 MAX PIN XY = 1.006 MAX CHA = 0.952 PEAK KW/FT = 5.581
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 183.116

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.006 LOCATION = 1, 1

1.006	0.917	0.870	0.852	0.000	0.774	0.713	0.669	0.630	0.603	0.000	0.505	0.441	0.386	0.335
0.933	0.952	0.897	0.865	0.840	0.787	0.735	0.689	0.646	0.609	0.572	0.510	0.452	0.402	0.317
0.904	0.915	0.864	0.819	0.780	0.742	0.698	0.655	0.614	0.573	0.526	0.479	0.432	0.383	0.307
0.905	0.905	0.838	0.795	0.753	0.713	0.672	0.633	0.590	0.547	0.503	0.460	0.414	0.374	0.304
0.000	0.904	0.819	0.770	0.733	0.692	0.655	0.615	0.573	0.528	0.486	0.441	0.398	0.368	0.000
0.872	0.868	0.801	0.751	0.710	0.678	0.641	0.604	0.559	0.514	0.466	0.423	0.383	0.346	0.282
0.832	0.837	0.777	0.730	0.693	0.660	0.639	0.612	0.555	0.496	0.449	0.405	0.365	0.327	0.262
0.812	0.815	0.756	0.711	0.671	0.640	0.630	0.000	0.544	0.477	0.429	0.387	0.347	0.311	0.249
0.799	0.799	0.736	0.687	0.648	0.613	0.589	0.561	0.506	0.451	0.407	0.366	0.330	0.296	0.238
0.803	0.788	0.717	0.663	0.619	0.583	0.545	0.507	0.465	0.424	0.382	0.345	0.312	0.283	0.232
0.000	0.778	0.691	0.638	0.594	0.549	0.511	0.471	0.432	0.392	0.358	0.322	0.291	0.268	0.000
0.759	0.737	0.666	0.613	0.565	0.520	0.478	0.439	0.400	0.364	0.330	0.299	0.268	0.243	0.202
0.715	0.702	0.640	0.587	0.539	0.494	0.449	0.409	0.371	0.338	0.304	0.273	0.245	0.220	0.180
0.690	0.682	0.617	0.569	0.530	0.473	0.423	0.380	0.344	0.313	0.286	0.251	0.221	0.199	0.163
0.676	0.604	0.549	0.511	0.000	0.415	0.361	0.321	0.287	0.263	0.000	0.207	0.180	0.162	0.149

ASSEMBLY LABEL: D01Z SERIAL = D01Z IA,JA,K = 12,15,13 SEG TYPE/ROT 6/ 3
BATCH = 6 216 PINS
ASSEM RPF = 0.874 ASSEM RPD = 0.863 PLANAR RPD = 0.803 AVE/PEAK GWD/T = 6.66/10.95
PEAK PIN = 1.339 MAX PIN XY = 1.246 MAX CHA = 1.183 PEAK KW/FT = 6.915
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 226.866

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.246 LOCATION = 1, 1

1.246	1.120	1.061	1.048	0.000	0.986	0.930	0.900	0.876	0.871	0.000	0.803	0.744	0.707	0.684
1.196	1.170	1.100	1.067	1.051	1.000	0.956	0.923	0.892	0.870	0.848	0.795	0.745	0.706	0.621
1.177	1.148	1.066	1.017	0.983	0.947	0.915	0.880	0.846	0.813	0.781	0.736	0.695	0.660	0.578
1.191	1.146	1.047	0.991	0.951	0.917	0.885	0.852	0.817	0.780	0.739	0.698	0.660	0.631	0.555
0.000	1.154	1.035	0.973	0.932	0.899	0.868	0.833	0.796	0.754	0.712	0.669	0.632	0.607	0.000
1.165	1.115	1.017	0.958	0.917	0.886	0.858	0.827	0.783	0.736	0.689	0.644	0.601	0.566	0.488
1.120	1.083	0.998	0.943	0.904	0.878	0.862	0.848	0.783	0.722	0.670	0.621	0.574	0.530	0.446
1.099	1.066	0.983	0.928	0.892	0.868	0.869	0.000	0.787	0.707	0.650	0.600	0.552	0.506	0.420
1.093	1.057	0.971	0.915	0.876	0.848	0.830	0.812	0.747	0.686	0.633	0.582	0.534	0.486	0.401
1.110	1.060	0.962	0.904	0.861	0.828	0.797	0.762	0.715	0.665	0.615	0.566	0.519	0.476	0.395
0.000	1.070	0.955	0.894	0.851	0.813	0.778	0.740	0.696	0.651	0.603	0.554	0.508	0.471	0.000
1.088	1.042	0.949	0.890	0.848	0.809	0.770	0.730	0.689	0.645	0.598	0.549	0.499	0.453	0.372
1.060	1.030	0.951	0.903	0.862	0.821	0.779	0.737	0.695	0.653	0.607	0.554	0.499	0.446	0.357
1.071	1.053	0.985	0.948	0.923	0.865	0.811	0.765	0.723	0.687	0.650	0.582	0.517	0.454	0.357
1.128	1.029	0.973	0.951	0.000	0.871	0.807	0.760	0.721	0.694	0.000	0.586	0.512	0.445	0.373

ASSEMBLY LABEL: D00D SERIAL = D00D IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.535 ASSEM RPD = 0.528 PLANAR RPD = 0.492 AVE/PEAK GWD/T = 3.95/ 8.99
PEAK PIN = 1.231 MAX PIN XY = 1.145 MAX CHA = 1.060 PEAK KW/FT = 6.354
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 208.475

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.145 LOCATION = 1, 1

1.145	1.037	0.976	0.953	0.000	0.868	0.801	0.752	0.713	0.685	0.000	0.577	0.503	0.437	0.366
1.040	1.019	0.943	0.903	0.877	0.816	0.762	0.717	0.676	0.641	0.606	0.542	0.481	0.425	0.332
0.981	0.946	0.861	0.812	0.770	0.728	0.686	0.647	0.608	0.569	0.528	0.482	0.435	0.391	0.312
0.960	0.907	0.814	0.754	0.713	0.675	0.638	0.601	0.563	0.525	0.485	0.445	0.405	0.370	0.303
0.000	0.883	0.773	0.714	0.671	0.636	0.603	0.568	0.531	0.493	0.455	0.417	0.382	0.355	0.000
0.878	0.824	0.733	0.678	0.637	0.605	0.577	0.546	0.508	0.468	0.430	0.393	0.359	0.329	0.270
0.812	0.771	0.692	0.642	0.606	0.578	0.559	0.541	0.491	0.445	0.407	0.371	0.337	0.305	0.246
0.764	0.726	0.654	0.606	0.572	0.548	0.542	0.000	0.477	0.422	0.382	0.348	0.316	0.286	0.231
0.725	0.685	0.615	0.569	0.535	0.511	0.493	0.478	0.433	0.392	0.358	0.326	0.296	0.268	0.217
0.697	0.651	0.577	0.531	0.498	0.472	0.448	0.423	0.393	0.362	0.332	0.303	0.276	0.253	0.209
0.000	0.617	0.536	0.491	0.460	0.434	0.410	0.385	0.359	0.332	0.306	0.280	0.257	0.238	0.000
0.588	0.552	0.490	0.451	0.422	0.397	0.374	0.351	0.328	0.304	0.280	0.257	0.234	0.215	0.177
0.514	0.491	0.443	0.412	0.388	0.363	0.341	0.319	0.298	0.278	0.258	0.235	0.213	0.193	0.157
0.447	0.433	0.398	0.376	0.361	0.333	0.309	0.289	0.270	0.255	0.240	0.216	0.194	0.175	0.143
0.374	0.339	0.318	0.308	0.000	0.274	0.250	0.234	0.220	0.211	0.000	0.179	0.158	0.143	0.131

Cycle 03 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								G135
14								G307
16								G139
17							G141	
19							G145	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: G135 SERIAL = G135 IA,JA,K = 9,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.962 ASSEM RPD = 0.975 PLANAR RPD = 0.934 AVE/PEAK GWD/T = 6.13/ 9.21
PEAK PIN = 1.352 MAX PIN XY = 1.295 MAX CHA = 1.272 PEAK KW/FT = 7.068
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 231.905

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.295 LOCATION = 10, 2

1.193	1.120	1.088	1.084	0.000	1.031	0.964	0.914	0.878	0.855	0.000	0.730	0.649	0.580	0.513
1.131	1.071	1.032	1.174	1.181	1.157	1.074	1.009	0.978	0.958	0.888	0.793	0.619	0.562	0.499
1.113	1.048	1.124	1.133	1.146	0.000	1.067	0.987	0.972	0.000	0.859	0.764	0.675	0.550	0.497
1.133	1.217	1.156	1.119	1.098	1.085	1.014	0.959	0.923	0.897	0.821	0.753	0.693	0.639	0.507
0.000	1.257	1.200	1.126	1.071	1.027	0.986	0.937	0.896	0.849	0.800	0.756	0.718	0.659	0.000
1.143	1.270	0.000	1.149	1.061	1.018	0.977	0.939	0.888	0.840	0.791	0.771	0.000	0.664	0.511
1.112	1.226	1.199	1.118	1.058	1.015	0.998	0.977	0.907	0.837	0.788	0.747	0.714	0.639	0.494
1.106	1.207	1.162	1.106	1.055	1.022	1.024	0.000	0.929	0.841	0.784	0.738	0.690	0.627	0.490
1.123	1.238	1.210	1.126	1.064	1.021	1.003	0.981	0.910	0.839	0.790	0.749	0.715	0.641	0.496
1.167	1.295	0.000	1.167	1.075	1.030	0.986	0.946	0.894	0.845	0.795	0.775	0.000	0.667	0.513
0.000	1.289	1.230	1.151	1.091	1.045	0.999	0.949	0.905	0.856	0.807	0.762	0.723	0.663	0.000
1.176	1.260	1.194	1.152	1.126	1.110	1.034	0.974	0.936	0.907	0.830	0.760	0.699	0.644	0.512
1.161	1.092	1.169	1.174	1.184	0.000	1.093	1.006	0.988	0.000	0.870	0.773	0.682	0.556	0.503
1.179	1.123	1.080	1.225	1.226	1.198	1.106	1.034	1.000	0.976	0.902	0.805	0.628	0.568	0.506
1.226	1.172	1.142	1.137	0.000	1.074	0.999	0.943	0.902	0.874	0.000	0.744	0.660	0.589	0.521

ASSEMBLY LABEL: G307 SERIAL = G307 IA,JA,K = 10,16,13 SEG TYPE/ROT 12/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.976 ASSEM RPD = 0.988 PLANAR RPD = 0.947 AVE/PEAK GWD/T = 6.17/ 9.43
PEAK PIN = 1.415 MAX PIN XY = 1.356 MAX CHA = 1.325 PEAK KW/FT = 7.399
@ 10, 2 @ 10, 2 @ 5, 2 PEAK W/CM = 242.754

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.356 LOCATION = 10, 2

1.227	1.174	1.143	1.139	0.000	1.075	1.000	0.945	0.904	0.877	0.000	0.746	0.662	0.589	0.519
1.189	1.135	1.091	1.235	1.234	1.206	1.112	1.039	1.003	0.978	0.903	0.805	0.628	0.568	0.504
1.186	1.115	1.192	1.194	1.200	0.000	1.105	1.017	0.995	0.000	0.871	0.772	0.682	0.554	0.500
1.215	1.299	1.229	1.184	1.150	1.127	1.048	0.985	0.943	0.912	0.832	0.760	0.697	0.642	0.510
0.000	1.344	1.274	1.188	1.120	1.065	1.016	0.960	0.913	0.860	0.808	0.761	0.720	0.659	0.000
1.229	1.356	0.000	1.209	1.106	1.055	1.004	0.959	0.902	0.849	0.796	0.773	0.000	0.663	0.509
1.192	1.306	1.268	1.171	1.100	1.048	1.023	0.995	0.918	0.843	0.789	0.746	0.711	0.635	0.490
1.181	1.279	1.223	1.154	1.092	1.050	1.045	0.000	0.937	0.843	0.782	0.733	0.683	0.619	0.484
1.193	1.305	1.266	1.169	1.097	1.044	1.019	0.990	0.913	0.837	0.784	0.740	0.704	0.627	0.484
1.231	1.356	0.000	1.205	1.100	1.047	0.995	0.949	0.891	0.838	0.783	0.759	0.000	0.648	0.496
0.000	1.343	1.268	1.180	1.110	1.053	1.001	0.945	0.896	0.841	0.789	0.741	0.699	0.637	0.000
1.221	1.298	1.222	1.173	1.134	1.109	1.028	0.962	0.918	0.885	0.803	0.731	0.668	0.612	0.482
1.197	1.115	1.182	1.180	1.179	0.000	1.076	0.986	0.960	0.000	0.833	0.734	0.644	0.520	0.465
1.210	1.135	1.080	1.214	1.205	1.169	1.073	0.998	0.956	0.928	0.851	0.753	0.582	0.522	0.459
1.267	1.178	1.129	1.110	0.000	1.031	0.952	0.894	0.848	0.817	0.000	0.682	0.600	0.529	0.462

ASSEMBLY LABEL: G139 SERIAL = G139 IA,JA,K = 11,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.756 ASSEM RPD = 0.766 PLANAR RPD = 0.734 AVE/PEAK GWD/T = 4.76/ 8.69
PEAK PIN = 1.316 MAX PIN XY = 1.261 MAX CHA = 1.198 PEAK KW/FT = 6.883
@ 1, 1 @ 1, 1 @ 5, 2 PEAK W/CM = 225.827

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.261 LOCATION = 1, 1

1.261	1.174	1.125	1.107	0.000	1.026	0.945	0.885	0.840	0.808	0.000	0.673	0.590	0.518	0.449
1.181	1.106	1.051	1.187	1.178	1.141	1.044	0.968	0.927	0.898	0.821	0.723	0.553	0.493	0.428
1.143	1.062	1.129	1.124	1.123	0.000	1.018	0.928	0.903	0.000	0.778	0.681	0.592	0.472	0.415
1.139	1.216	1.138	1.086	1.051	1.026	0.945	0.881	0.837	0.803	0.725	0.654	0.592	0.536	0.412
0.000	1.229	1.155	1.067	1.000	0.946	0.894	0.838	0.790	0.738	0.685	0.638	0.595	0.536	0.000
1.099	1.210	0.000	1.061	0.962	0.910	0.859	0.813	0.757	0.706	0.655	0.627	0.000	0.520	0.387
1.039	1.136	1.092	0.999	0.929	0.876	0.848	0.816	0.745	0.676	0.626	0.584	0.548	0.480	0.359
1.005	1.084	1.023	0.954	0.892	0.848	0.834	0.000	0.730	0.649	0.594	0.549	0.503	0.448	0.339
0.990	1.074	1.027	0.933	0.863	0.810	0.780	0.747	0.679	0.613	0.566	0.527	0.494	0.433	0.325
0.996	1.084	0.000	0.926	0.830	0.775	0.725	0.679	0.627	0.580	0.535	0.511	0.000	0.424	0.317
0.000	1.035	0.957	0.868	0.797	0.741	0.690	0.637	0.592	0.546	0.503	0.466	0.434	0.390	0.000
0.928	0.964	0.881	0.819	0.773	0.736	0.663	0.605	0.564	0.532	0.474	0.424	0.383	0.348	0.271
0.874	0.789	0.812	0.783	0.756	0.000	0.644	0.570	0.541	0.000	0.448	0.388	0.336	0.269	0.243
0.843	0.764	0.698	0.757	0.721	0.669	0.588	0.525	0.486	0.456	0.408	0.354	0.270	0.243	0.219
0.825	0.744	0.682	0.638	0.000	0.532	0.465	0.414	0.375	0.347	0.000	0.274	0.239	0.215	0.198

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ASSEMBLY LABEL: G141    SERIAL = G141    IA,JA,K = 12,15,13   SEG TYPE/ROT   9/ 3
                        BATCH  =   9                          208 PINS
ASSEM RPF =  1.004  ASSEM RPD =  1.017 PLANAR RPD =  0.974  AVE/PEAK GWD/T =  6.43/ 9.42
 PEAK PIN =  1.444 MAX PIN XY =  1.384    MAX CHA =  1.352      PEAK KW/FT =       7.551
          @   5, 2           @   5, 2           @    5, 1      PEAK  W/CM =     247.742

 '2PXP' - PLANAR PIN POWERS  (K-PLANE = 1.0)              PEAK =   1.384  LOCATION =  5, 2

1.344: 1.228: 1.179: 1.174: 0.000: 1.135: 1.075: 1.044: 1.027: 1.031: 0.000: 0.955: 0.893: 0.855: 0.833:
1.307: 1.183: 1.122: 1.273: 1.285: 1.266: 1.190: 1.141: 1.125: 1.134: 1.082: 1.004: 0.819: 0.783: 0.757:
1.292: 1.166: 1.218: 1.220: 1.240: 0.000: 1.172: 1.099: 1.100: 0.000: 1.026: 0.936: 0.854: 0.733: 0.705:
1.313: 1.348: 1.250: 1.190: 1.168: 1.164: 1.102: 1.051: 1.030: 1.019: 0.948: 0.888: 0.845: 0.810: 0.676:
0.000: 1.384: 1.287: 1.189: 1.129: 1.089: 1.052: 1.014: 0.976: 0.941: 0.896: 0.865: 0.845: 0.793: 0.000:
1.298: 1.373: 0.000: 1.200: 1.108: 1.063: 1.028: 0.996: 0.951: 0.907: 0.867: 0.856: 0.000: 0.761: 0.599:
1.248: 1.306: 1.250: 1.154: 1.084: 1.046: 1.028: 1.015: 0.946: 0.884: 0.835: 0.803: 0.770: 0.695: 0.545:
1.225: 1.270: 1.191: 1.120: 1.068: 1.033: 1.040: 0.000: 0.951: 0.867: 0.811: 0.765: 0.717: 0.654: 0.511:
1.222: 1.279: 1.221: 1.123: 1.056: 1.014: 0.993: 0.980: 0.908: 0.843: 0.793: 0.755: 0.718: 0.638: 0.489:
1.247: 1.318: 0.000: 1.143: 1.049: 1.000: 0.962: 0.924: 0.877: 0.827: 0.779: 0.755: 0.000: 0.640: 0.483:
0.000: 1.297: 1.203: 1.106: 1.041: 1.001: 0.956: 0.912: 0.867: 0.822: 0.770: 0.722: 0.683: 0.616: 0.000:
1.218: 1.248: 1.150: 1.089: 1.061: 1.046: 0.975: 0.917: 0.885: 0.854: 0.777: 0.705: 0.644: 0.584: 0.449:
1.189: 1.068: 1.111: 1.108: 1.111: 0.000: 1.021: 0.940: 0.924: 0.000: 0.811: 0.714: 0.620: 0.495: 0.432:
1.206: 1.095: 1.033: 1.162: 1.159: 1.124: 1.036: 0.971: 0.935: 0.913: 0.846: 0.747: 0.575: 0.505: 0.432:
1.271: 1.172: 1.117: 1.102: 0.000: 1.034: 0.962: 0.911: 0.870: 0.842: 0.000: 0.711: 0.622: 0.542: 0.450:
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ASSEMBLY LABEL: G145 SERIAL = G145 IA,JA,K = 13,15,13 SEG TYPE/ROT 9/ 0
BATCH = 9 208 PINS
ASSEM RPF = 0.631 ASSEM RPD = 0.639 PLANAR RPD = 0.612 AVE/PEAK GWD/T = 3.97/ 8.22
PEAK PIN = 1.341 MAX PIN XY = 1.285 MAX CHA = 1.173 PEAK KW/FT = 7.012
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 230.041

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.285 LOCATION = 1, 1

1.285	1.176	1.116	1.098	0.000	1.023	0.948	0.895	0.855	0.827	0.000	0.698	0.610	0.532	0.442
1.176	1.054	0.983	1.110	1.102	1.063	0.973	0.909	0.874	0.853	0.790	0.697	0.532	0.470	0.405
1.116	0.983	1.015	1.006	1.001	0.000	0.907	0.827	0.812	0.000	0.710	0.624	0.542	0.433	0.382
1.098	1.110	1.005	0.937	0.903	0.882	0.814	0.760	0.729	0.701	0.635	0.576	0.527	0.481	0.371
0.000	1.102	1.000	0.903	0.837	0.794	0.751	0.708	0.668	0.630	0.587	0.548	0.520	0.471	0.000
1.022	1.062	0.000	0.882	0.794	0.746	0.709	0.673	0.631	0.589	0.551	0.533	0.000	0.449	0.336
0.947	0.972	0.906	0.813	0.750	0.708	0.683	0.665	0.607	0.556	0.518	0.488	0.462	0.407	0.306
0.894	0.908	0.826	0.760	0.708	0.672	0.665	0.000	0.589	0.527	0.486	0.452	0.419	0.377	0.286
0.853	0.873	0.811	0.728	0.668	0.630	0.607	0.589	0.537	0.492	0.456	0.431	0.406	0.359	0.270
0.825	0.852	0.000	0.700	0.629	0.589	0.556	0.527	0.492	0.458	0.429	0.414	0.000	0.349	0.261
0.000	0.788	0.708	0.634	0.586	0.550	0.517	0.486	0.456	0.429	0.397	0.373	0.353	0.319	0.000
0.696	0.695	0.622	0.575	0.547	0.532	0.488	0.452	0.431	0.414	0.373	0.337	0.309	0.283	0.220
0.608	0.530	0.541	0.526	0.519	0.000	0.462	0.419	0.407	0.000	0.353	0.309	0.270	0.218	0.195
0.530	0.468	0.431	0.480	0.470	0.449	0.407	0.377	0.359	0.349	0.320	0.284	0.218	0.197	0.177
0.440	0.403	0.380	0.369	0.000	0.335	0.306	0.287	0.271	0.261	0.000	0.220	0.195	0.177	0.162

Cycle 04 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								H132
14								H135
16								H139
17							H141	
19							H152	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: H132 SERIAL = H132 IA,JA,K = 9,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.980 ASSEM RPD = 0.991 PLANAR RPD = 0.929 AVE/PEAK GWD/T = 5.41/ 8.27
PEAK PIN = 1.337 MAX PIN XY = 1.254 MAX CHA = 1.234 PEAK KW/FT = 7.004
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 229.785

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.254 LOCATION = 10, 2

1.204	1.134	1.107	1.112	0.000	1.068	0.997	0.948	0.912	0.892	0.000	0.763	0.676	0.605	0.540
1.138	1.084	1.051	1.156	1.170	1.153	1.069	1.005	0.977	0.962	0.892	0.795	0.646	0.586	0.525
1.121	1.062	1.032	1.118	1.138	0.000	1.065	0.984	0.974	0.000	0.864	0.768	0.635	0.576	0.523
1.144	1.186	1.135	1.105	1.088	1.081	1.011	0.957	0.924	0.901	0.825	0.757	0.697	0.643	0.536
0.000	1.229	1.181	1.112	1.059	1.019	0.981	0.935	0.895	0.849	0.802	0.760	0.724	0.665	0.000
1.155	1.240	0.000	1.136	1.048	1.010	0.971	0.935	0.887	0.840	0.792	0.774	0.000	0.670	0.539
1.118	1.192	1.177	1.101	1.044	1.006	0.992	0.975	0.905	0.836	0.787	0.748	0.717	0.642	0.521
1.110	1.170	1.135	1.087	1.039	1.011	1.017	0.000	0.927	0.838	0.782	0.737	0.689	0.628	0.515
1.126	1.200	1.183	1.105	1.047	1.008	0.993	0.975	0.905	0.835	0.787	0.747	0.716	0.642	0.521
1.171	1.254	0.000	1.144	1.054	1.014	0.973	0.935	0.886	0.839	0.790	0.773	0.000	0.670	0.540
0.000	1.251	1.197	1.124	1.068	1.025	0.983	0.936	0.895	0.847	0.800	0.758	0.722	0.663	0.000
1.173	1.212	1.156	1.121	1.100	1.089	1.016	0.958	0.924	0.899	0.822	0.754	0.694	0.642	0.536
1.151	1.090	1.055	1.139	1.154	0.000	1.071	0.987	0.973	0.000	0.861	0.764	0.633	0.575	0.523
1.164	1.113	1.079	1.182	1.191	1.167	1.078	1.010	0.979	0.961	0.890	0.793	0.645	0.585	0.526
1.214	1.161	1.138	1.142	0.000	1.087	1.010	0.957	0.918	0.895	0.000	0.764	0.677	0.606	0.541

ASSEMBLY LABEL: H135 SERIAL = H135 IA,JA,K = 10,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.979 ASSEM RPD = 0.990 PLANAR RPD = 0.928 AVE/PEAK GWD/T = 5.34/ 8.27
PEAK PIN = 1.377 MAX PIN XY = 1.291 MAX CHA = 1.265 PEAK KW/FT = 7.213
@ 6, 2 @ 6, 2 @ 5, 1 PEAK W/CM = 236.636

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.291 LOCATION = 6, 2

1.223	1.168	1.143	1.145	0.000	1.088	1.011	0.957	0.917	0.894	0.000	0.762	0.676	0.605	0.540
1.185	1.127	1.087	1.189	1.196	1.170	1.079	1.010	0.978	0.959	0.887	0.790	0.642	0.582	0.523
1.180	1.108	1.068	1.148	1.161	0.000	1.073	0.987	0.972	0.000	0.857	0.761	0.629	0.571	0.519
1.210	1.239	1.174	1.133	1.108	1.094	1.018	0.958	0.922	0.895	0.818	0.749	0.689	0.636	0.531
0.000	1.283	1.219	1.139	1.078	1.031	0.986	0.936	0.892	0.843	0.794	0.751	0.714	0.656	0.000
1.220	1.291	0.000	1.161	1.065	1.020	0.975	0.935	0.883	0.834	0.784	0.764	0.000	0.661	0.532
1.178	1.239	1.210	1.123	1.058	1.014	0.995	0.973	0.900	0.828	0.778	0.737	0.705	0.630	0.511
1.165	1.212	1.164	1.106	1.051	1.017	1.018	0.000	0.920	0.828	0.771	0.725	0.676	0.615	0.503
1.177	1.237	1.209	1.121	1.056	1.011	0.991	0.969	0.896	0.823	0.773	0.732	0.699	0.624	0.505
1.218	1.288	0.000	1.156	1.059	1.014	0.968	0.926	0.874	0.825	0.774	0.753	0.000	0.647	0.519
0.000	1.278	1.212	1.130	1.068	1.020	0.974	0.923	0.879	0.829	0.779	0.734	0.696	0.636	0.000
1.209	1.232	1.165	1.121	1.094	1.078	1.001	0.940	0.902	0.874	0.795	0.725	0.664	0.609	0.504
1.182	1.101	1.056	1.132	1.141	0.000	1.048	0.962	0.943	0.000	0.825	0.728	0.598	0.538	0.484
1.196	1.120	1.072	1.165	1.167	1.137	1.045	0.974	0.939	0.917	0.843	0.745	0.600	0.539	0.478
1.255	1.165	1.123	1.114	0.000	1.046	0.967	0.910	0.868	0.840	0.000	0.705	0.618	0.546	0.482

ASSEMBLY LABEL: H139 SERIAL = H139 IA,JA,K = 11,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.776 ASSEM RPD = 0.785 PLANAR RPD = 0.736 AVE/PEAK GWD/T = 4.11/ 7.61
PEAK PIN = 1.329 MAX PIN XY = 1.246 MAX CHA = 1.169 PEAK KW/FT = 6.961
@ 1, 1 @ 1, 1 @ 5, 2 PEAK W/CM = 228.392

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.246 LOCATION = 1, 1

1.246	1.161	1.121	1.113	0.000	1.044	0.964	0.906	0.863	0.834	0.000	0.698	0.610	0.537	0.469
1.165	1.097	1.051	1.146	1.147	1.117	1.023	0.951	0.914	0.890	0.816	0.717	0.573	0.510	0.445
1.133	1.060	1.018	1.092	1.100	0.000	1.004	0.915	0.896	0.000	0.774	0.678	0.550	0.489	0.433
1.141	1.171	1.105	1.061	1.032	1.011	0.934	0.872	0.831	0.801	0.722	0.652	0.591	0.535	0.432
0.000	1.194	1.130	1.047	0.984	0.933	0.884	0.831	0.785	0.734	0.683	0.638	0.597	0.536	0.000
1.114	1.182	0.000	1.047	0.950	0.901	0.852	0.808	0.754	0.704	0.653	0.628	0.000	0.523	0.407
1.057	1.112	1.077	0.987	0.919	0.870	0.843	0.815	0.743	0.675	0.625	0.584	0.549	0.481	0.378
1.029	1.065	1.011	0.947	0.886	0.844	0.834	0.000	0.732	0.648	0.594	0.550	0.504	0.449	0.358
1.019	1.063	1.022	0.929	0.860	0.809	0.779	0.749	0.680	0.614	0.567	0.529	0.497	0.436	0.344
1.033	1.079	0.000	0.927	0.829	0.776	0.726	0.680	0.629	0.582	0.536	0.514	0.000	0.428	0.337
0.000	1.039	0.960	0.870	0.800	0.743	0.692	0.639	0.594	0.548	0.505	0.468	0.438	0.395	0.000
0.973	0.968	0.886	0.825	0.778	0.742	0.667	0.608	0.567	0.536	0.477	0.427	0.386	0.351	0.290
0.920	0.829	0.766	0.791	0.766	0.000	0.651	0.574	0.545	0.000	0.451	0.390	0.316	0.284	0.258
0.891	0.807	0.738	0.768	0.732	0.680	0.595	0.530	0.491	0.462	0.413	0.357	0.284	0.256	0.234
0.884	0.794	0.728	0.683	0.000	0.569	0.496	0.441	0.399	0.370	0.000	0.293	0.255	0.230	0.213

ASSEMBLY LABEL: H141 SERIAL = H141 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 208 PINS
ASSEM RPF = 1.113 ASSEM RPD = 1.125 PLANAR RPD = 1.055 AVE/PEAK GWD/T = 5.81/ 8.56
PEAK PIN = 1.600 MAX PIN XY = 1.500 MAX CHA = 1.463 PEAK KW/FT = 8.380
@ 15, 1 @ 15, 1 @ 5, 1 PEAK W/CM = 274.938

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.500 LOCATION = 15, 1

1.424	1.289	1.239	1.241	0.000	1.206	1.141	1.109	1.094	1.103	0.000	1.022	0.952	0.913	0.897
1.398	1.256	1.193	1.303	1.321	1.303	1.223	1.171	1.160	1.173	1.119	1.036	0.879	0.839	0.816
1.398	1.253	1.179	1.264	1.288	0.000	1.219	1.141	1.147	0.000	1.069	0.973	0.830	0.791	0.764
1.443	1.409	1.306	1.245	1.224	1.225	1.153	1.099	1.080	1.070	0.992	0.930	0.884	0.844	0.740
0.000	1.466	1.360	1.256	1.191	1.150	1.109	1.068	1.029	0.991	0.944	0.910	0.888	0.836	0.000
1.456	1.468	0.000	1.279	1.177	1.129	1.091	1.057	1.009	0.960	0.918	0.907	0.000	0.807	0.665
1.409	1.404	1.343	1.236	1.161	1.119	1.100	1.086	1.010	0.942	0.889	0.855	0.820	0.740	0.607
1.391	1.374	1.286	1.208	1.150	1.112	1.120	0.000	1.022	0.929	0.869	0.819	0.767	0.700	0.573
1.400	1.394	1.330	1.220	1.145	1.098	1.075	1.061	0.981	0.909	0.854	0.813	0.775	0.688	0.554
1.443	1.450	0.000	1.252	1.144	1.090	1.047	1.005	0.951	0.896	0.843	0.820	0.000	0.696	0.552
0.000	1.437	1.326	1.217	1.143	1.096	1.046	0.996	0.945	0.896	0.838	0.786	0.745	0.674	0.000
1.423	1.384	1.274	1.203	1.171	1.154	1.073	1.007	0.970	0.938	0.851	0.771	0.704	0.639	0.518
1.391	1.238	1.153	1.229	1.232	0.000	1.129	1.036	1.019	0.000	0.894	0.784	0.637	0.567	0.499
1.415	1.273	1.199	1.294	1.292	1.251	1.148	1.074	1.035	1.012	0.937	0.824	0.660	0.581	0.501
1.500	1.372	1.307	1.292	0.000	1.208	1.120	1.058	1.012	0.980	0.000	0.825	0.719	0.627	0.527

ASSEMBLY LABEL: H152 SERIAL = H152 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 208 PINS
ASSEM RPF = 0.739 ASSEM RPD = 0.747 PLANAR RPD = 0.700 AVE/PEAK GWD/T = 3.75/ 7.98
PEAK PIN = 1.608 MAX PIN XY = 1.508 MAX CHA = 1.372 PEAK KW/FT = 8.420
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 276.255

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.508 LOCATION = 1, 1

1.508	1.373	1.303	1.286	0.000	1.200	1.109	1.045	0.997	0.967	0.000	0.814	0.709	0.617	0.517
1.377	1.229	1.148	1.240	1.235	1.191	1.087	1.013	0.975	0.954	0.883	0.775	0.618	0.545	0.472
1.312	1.151	1.062	1.129	1.125	0.000	1.019	0.928	0.911	0.000	0.796	0.698	0.565	0.505	0.448
1.298	1.247	1.132	1.056	1.018	0.996	0.917	0.855	0.820	0.790	0.714	0.647	0.591	0.539	0.438
0.000	1.245	1.131	1.020	0.946	0.897	0.847	0.800	0.754	0.710	0.661	0.618	0.586	0.531	0.000
1.214	1.203	0.000	1.001	0.899	0.845	0.802	0.760	0.713	0.666	0.622	0.603	0.000	0.507	0.400
1.124	1.100	1.028	0.923	0.851	0.804	0.775	0.756	0.688	0.630	0.586	0.552	0.523	0.460	0.365
1.062	1.027	0.937	0.863	0.805	0.763	0.757	0.000	0.669	0.598	0.551	0.512	0.474	0.427	0.342
1.015	0.990	0.923	0.828	0.760	0.718	0.691	0.670	0.610	0.559	0.518	0.490	0.463	0.408	0.325
0.986	0.970	0.000	0.800	0.717	0.671	0.634	0.600	0.560	0.521	0.488	0.473	0.000	0.399	0.315
0.000	0.899	0.808	0.724	0.668	0.628	0.590	0.554	0.520	0.488	0.453	0.425	0.404	0.366	0.000
0.832	0.791	0.710	0.656	0.626	0.609	0.558	0.516	0.492	0.473	0.426	0.385	0.354	0.324	0.267
0.725	0.631	0.575	0.601	0.595	0.000	0.529	0.479	0.465	0.000	0.404	0.354	0.288	0.261	0.237
0.633	0.558	0.515	0.549	0.540	0.515	0.467	0.432	0.412	0.402	0.368	0.325	0.262	0.237	0.215
0.532	0.484	0.458	0.447	0.000	0.407	0.371	0.346	0.328	0.318	0.000	0.269	0.238	0.215	0.198

Cycle 05 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								I121
14								I129
16								I137
17							I261	
19							I153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 9,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.913 ASSEM RPD = 0.915 PLANAR RPD = 0.862 AVE/PEAK GWD/T = 5.80/ 8.55
PEAK PIN = 1.244 MAX PIN XY = 1.173 MAX CHA = 1.155 PEAK KW/FT = 6.573
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 215.665

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.173 LOCATION = 10, 2

1.031	1.046	1.013	1.014	0.000	0.969	0.905	0.860	0.827	0.809	0.000	0.694	0.617	0.553	0.454
1.060	0.997	0.961	1.054	1.065	1.047	0.970	0.913	0.888	0.874	0.811	0.724	0.589	0.535	0.480
1.042	0.975	0.943	1.019	1.035	0.000	0.969	0.896	0.886	0.000	0.787	0.700	0.579	0.526	0.478
1.062	1.090	1.038	1.008	0.992	0.986	0.922	0.873	0.843	0.823	0.754	0.692	0.638	0.589	0.490
0.000	1.130	1.079	1.015	0.968	0.932	0.897	0.856	0.820	0.778	0.735	0.697	0.663	0.610	0.000
1.073	1.141	0.000	1.040	0.961	0.927	0.891	0.859	0.815	0.773	0.729	0.713	0.000	0.616	0.495
1.041	1.101	1.082	1.011	0.960	0.926	0.914	0.899	0.835	0.772	0.728	0.692	0.662	0.593	0.479
1.037	1.085	1.049	1.002	0.959	0.933	0.941	0.000	0.859	0.778	0.726	0.685	0.640	0.582	0.476
1.056	1.115	1.097	1.024	0.971	0.935	0.923	0.907	0.842	0.778	0.733	0.697	0.667	0.597	0.483
1.103	1.173	0.000	1.064	0.982	0.945	0.908	0.874	0.828	0.785	0.740	0.724	0.000	0.625	0.502
0.000	1.171	1.121	1.051	1.000	0.960	0.922	0.878	0.840	0.796	0.752	0.712	0.677	0.621	0.000
1.116	1.144	1.089	1.054	1.034	1.025	0.957	0.903	0.871	0.848	0.775	0.712	0.655	0.604	0.502
1.101	1.035	0.998	1.078	1.091	0.000	1.015	0.935	0.922	0.000	0.815	0.724	0.599	0.543	0.492
1.122	1.064	1.028	1.125	1.133	1.110	1.025	0.961	0.932	0.914	0.847	0.754	0.612	0.555	0.497
1.075	1.117	1.089	1.092	0.000	1.039	0.966	0.914	0.877	0.854	0.000	0.728	0.646	0.578	0.472

ASSEMBLY LABEL: I129 SERIAL = I129 IA,JA,K = 10,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.965 ASSEM RPD = 0.968 PLANAR RPD = 0.912 AVE/PEAK GWD/T = 6.07/ 9.01
PEAK PIN = 1.385 MAX PIN XY = 1.305 MAX CHA = 1.278 PEAK KW/FT = 7.316
@ 10, 2 @ 10, 2 @ 10, 1 PEAK W/CM = 240.026

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.305 LOCATION = 10, 2

1.079	1.119	1.093	1.095	0.000	1.040	0.968	0.916	0.878	0.856	0.000	0.731	0.648	0.580	0.474
1.140	1.085	1.047	1.144	1.149	1.124	1.036	0.970	0.939	0.920	0.851	0.757	0.616	0.558	0.499
1.141	1.073	1.036	1.112	1.122	0.000	1.035	0.951	0.935	0.000	0.824	0.731	0.604	0.547	0.496
1.177	1.210	1.146	1.105	1.078	1.062	0.987	0.928	0.890	0.864	0.788	0.721	0.662	0.610	0.508
0.000	1.261	1.197	1.116	1.055	1.006	0.960	0.909	0.865	0.816	0.767	0.725	0.687	0.631	0.000
1.205	1.279	0.000	1.145	1.048	1.000	0.954	0.912	0.859	0.809	0.759	0.739	0.000	0.635	0.510
1.173	1.235	1.203	1.114	1.046	0.998	0.977	0.952	0.879	0.806	0.756	0.715	0.681	0.609	0.492
1.168	1.216	1.166	1.102	1.044	1.005	1.003	0.000	0.900	0.810	0.751	0.705	0.656	0.595	0.486
1.186	1.247	1.215	1.123	1.053	1.003	0.981	0.954	0.879	0.806	0.755	0.714	0.680	0.606	0.489
1.234	1.305	0.000	1.161	1.060	1.010	0.960	0.916	0.861	0.810	0.758	0.737	0.000	0.630	0.504
0.000	1.295	1.228	1.139	1.073	1.019	0.970	0.915	0.867	0.816	0.764	0.719	0.679	0.620	0.000
1.232	1.256	1.184	1.134	1.100	1.079	0.998	0.933	0.892	0.862	0.782	0.712	0.651	0.596	0.493
1.209	1.127	1.076	1.148	1.150	0.000	1.048	0.957	0.935	0.000	0.813	0.717	0.588	0.528	0.475
1.231	1.150	1.096	1.184	1.178	1.143	1.045	0.971	0.934	0.908	0.833	0.736	0.592	0.531	0.471
1.192	1.201	1.147	1.133	0.000	1.054	0.970	0.910	0.864	0.834	0.000	0.697	0.612	0.541	0.438

ASSEMBLY LABEL: I137 SERIAL = I137 IA,JA,K = 11,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.789 ASSEM RPD = 0.791 PLANAR RPD = 0.745 AVE/PEAK GWD/T = 4.77/ 8.65
PEAK PIN = 1.307 MAX PIN XY = 1.232 MAX CHA = 1.209 PEAK KW/FT = 6.906
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 226.565

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.232 LOCATION = 5, 2

1.187	1.202	1.150	1.135	0.000	1.054	0.969	0.907	0.860	0.830	0.000	0.690	0.603	0.531	0.424
1.213	1.135	1.081	1.172	1.165	1.129	1.030	0.954	0.914	0.887	0.810	0.712	0.567	0.505	0.441
1.178	1.096	1.046	1.117	1.118	0.000	1.012	0.920	0.897	0.000	0.771	0.674	0.546	0.485	0.429
1.184	1.210	1.136	1.085	1.050	1.026	0.943	0.878	0.835	0.801	0.721	0.650	0.588	0.531	0.428
0.000	1.232	1.159	1.071	1.002	0.947	0.895	0.838	0.790	0.736	0.683	0.636	0.593	0.533	0.000
1.154	1.219	0.000	1.071	0.969	0.915	0.864	0.817	0.760	0.707	0.654	0.628	0.000	0.519	0.404
1.094	1.146	1.105	1.011	0.938	0.885	0.855	0.824	0.750	0.679	0.627	0.585	0.548	0.479	0.375
1.062	1.098	1.038	0.969	0.904	0.859	0.846	0.000	0.738	0.654	0.597	0.552	0.505	0.449	0.356
1.051	1.093	1.048	0.951	0.878	0.823	0.791	0.758	0.687	0.620	0.571	0.531	0.498	0.436	0.343
1.063	1.109	0.000	0.947	0.846	0.790	0.737	0.690	0.636	0.588	0.540	0.517	0.000	0.428	0.335
0.000	1.062	0.982	0.889	0.816	0.757	0.703	0.648	0.601	0.554	0.509	0.471	0.439	0.395	0.000
0.996	0.990	0.906	0.841	0.793	0.755	0.677	0.617	0.575	0.542	0.481	0.430	0.388	0.353	0.289
0.940	0.847	0.781	0.806	0.778	0.000	0.660	0.582	0.552	0.000	0.456	0.394	0.318	0.286	0.259
0.911	0.823	0.752	0.780	0.743	0.689	0.603	0.537	0.497	0.467	0.417	0.360	0.286	0.258	0.235
0.825	0.808	0.738	0.692	0.000	0.575	0.501	0.446	0.403	0.373	0.000	0.295	0.257	0.232	0.196

ASSEMBLY LABEL: I261 SERIAL = I261 IA,JA,K = 12,15,13 SEG TYPE/ROT 14/ 3
BATCH = 14 208 PINS
ASSEM RPF = 1.102 ASSEM RPD = 1.104 PLANAR RPD = 1.041 AVE/PEAK GWD/T = 6.80/ 9.78
PEAK PIN = 1.550 MAX PIN XY = 1.462 MAX CHA = 1.403 PEAK KW/FT = 8.192
@ 6, 1 @ 6, 1 @ 6, 1 PEAK W/CM = 268.776

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.462 LOCATION = 6, 1

1.321	1.197	1.278	1.270	0.000	1.228	1.160	1.127	1.109	1.116	0.000	1.032	0.962	0.929	0.709
1.287	1.299	1.351	1.323	1.340	1.319	1.239	1.186	1.171	1.182	1.126	1.040	0.976	0.857	0.826
1.398	1.284	1.327	1.278	1.301	0.000	1.228	1.150	1.152	0.000	1.072	0.972	0.915	0.875	0.765
1.431	1.299	1.326	1.257	1.230	1.227	1.159	1.104	1.083	1.072	0.993	0.929	0.881	0.844	0.739
0.000	1.346	1.378	1.264	1.195	1.151	1.110	1.069	1.029	0.990	0.943	0.908	0.887	0.832	0.000
1.462	1.338	0.000	1.282	1.178	1.128	1.088	1.053	1.005	0.957	0.914	0.904	0.000	0.802	0.660
1.404	1.408	1.343	1.235	1.157	1.114	1.093	1.079	1.003	0.936	0.884	0.850	0.815	0.735	0.603
1.381	1.370	1.281	1.202	1.142	1.103	1.109	0.000	1.013	0.920	0.861	0.812	0.760	0.693	0.567
1.387	1.388	1.321	1.209	1.133	1.086	1.061	1.047	0.968	0.897	0.844	0.803	0.764	0.679	0.544
1.389	1.320	0.000	1.237	1.129	1.074	1.032	0.989	0.937	0.883	0.830	0.807	0.000	0.683	0.542
0.000	1.376	1.313	1.201	1.125	1.077	1.027	0.978	0.929	0.881	0.823	0.772	0.731	0.660	0.000
1.403	1.322	1.257	1.184	1.151	1.132	1.050	0.987	0.951	0.919	0.836	0.757	0.689	0.625	0.507
1.340	1.246	1.219	1.209	1.210	0.000	1.105	1.012	0.997	0.000	0.878	0.770	0.690	0.614	0.489
1.250	1.236	1.203	1.228	1.225	1.122	1.122	1.047	1.011	0.896	0.832	0.732	0.648	0.572	0.439
1.149	1.211	1.254	1.263	0.000	1.145	1.088	1.025	0.981	0.953	0.000	0.786	0.688	0.549	0.460

ASSEMBLY LABEL: I153 SERIAL = I153 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 208 PINS
ASSEM RPF = 0.709 ASSEM RPD = 0.711 PLANAR RPD = 0.670 AVE/PEAK GWD/T = 4.32/ 8.50
PEAK PIN = 1.427 MAX PIN XY = 1.345 MAX CHA = 1.305 PEAK KW/FT = 7.538
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 247.316

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.345 LOCATION = 1, 1

1.345	1.341	1.268	1.248	0.000	1.162	1.073	1.011	0.966	0.936	0.000	0.788	0.688	0.602	0.461
1.340	1.193	1.113	1.201	1.194	1.150	1.049	0.979	0.941	0.920	0.852	0.749	0.598	0.528	0.458
1.268	1.113	1.025	1.090	1.085	0.000	0.981	0.893	0.877	0.000	0.766	0.672	0.544	0.487	0.432
1.248	1.202	1.090	1.016	0.980	0.958	0.881	0.823	0.788	0.759	0.686	0.621	0.568	0.518	0.420
0.000	1.196	1.086	0.981	0.909	0.862	0.814	0.768	0.723	0.681	0.634	0.593	0.562	0.509	0.000
1.163	1.153	0.000	0.959	0.862	0.811	0.769	0.729	0.684	0.638	0.596	0.576	0.000	0.485	0.382
1.075	1.052	0.983	0.883	0.815	0.770	0.742	0.723	0.659	0.603	0.561	0.529	0.500	0.440	0.348
1.013	0.982	0.896	0.825	0.769	0.730	0.724	0.000	0.639	0.572	0.527	0.490	0.453	0.407	0.326
0.968	0.944	0.880	0.791	0.725	0.685	0.660	0.640	0.583	0.533	0.494	0.467	0.440	0.388	0.308
0.938	0.924	0.000	0.762	0.683	0.640	0.605	0.573	0.534	0.498	0.465	0.449	0.000	0.379	0.298
0.000	0.855	0.770	0.689	0.636	0.598	0.562	0.528	0.495	0.465	0.431	0.404	0.383	0.347	0.000
0.790	0.752	0.676	0.624	0.595	0.579	0.531	0.491	0.468	0.450	0.404	0.366	0.336	0.308	0.252
0.690	0.600	0.547	0.571	0.565	0.000	0.502	0.454	0.442	0.000	0.384	0.336	0.273	0.248	0.224
0.603	0.531	0.490	0.521	0.512	0.488	0.442	0.409	0.390	0.380	0.348	0.308	0.248	0.224	0.203
0.463	0.461	0.434	0.423	0.000	0.384	0.350	0.328	0.310	0.300	0.000	0.253	0.224	0.204	0.171

Cycle 06 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								J121
14								J129
16								J137
17							J161	
19							J153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: J121 SERIAL = J121 IA,JA,K = 9,16,13 SEG TYPE/ROT 14/ 3
BATCH = 13 208 PINS
ASSEM RPF = 1.012 ASSEM RPD = 1.018 PLANAR RPD = 0.942 AVE/PEAK GWD/T = 5.57/ 8.02
PEAK PIN = 1.394 MAX PIN XY = 1.290 MAX CHA = 1.264 PEAK KW/FT = 7.339
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 240.773

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.290 LOCATION = 10, 2

1.160	1.182	1.144	1.143	0.000	1.086	1.011	0.958	0.920	0.897	0.000	0.766	0.679	0.607	0.497
1.195	1.128	1.086	1.189	1.197	1.173	1.084	1.017	0.987	0.968	0.897	0.798	0.648	0.587	0.525
1.173	1.102	1.066	1.149	1.163	0.000	1.081	0.996	0.982	0.000	0.868	0.771	0.636	0.576	0.522
1.196	1.232	1.171	1.134	1.112	1.101	1.026	0.969	0.933	0.907	0.829	0.760	0.699	0.644	0.534
0.000	1.274	1.215	1.140	1.083	1.038	0.995	0.947	0.904	0.856	0.807	0.763	0.724	0.666	0.000
1.202	1.283	0.000	1.164	1.071	1.028	0.985	0.947	0.895	0.847	0.797	0.778	0.000	0.670	0.537
1.162	1.233	1.209	1.127	1.065	1.023	1.006	0.986	0.914	0.842	0.792	0.752	0.718	0.642	0.518
1.151	1.208	1.166	1.112	1.060	1.027	1.031	0.000	0.936	0.845	0.787	0.741	0.692	0.628	0.512
1.165	1.235	1.213	1.129	1.067	1.024	1.007	0.986	0.913	0.841	0.792	0.752	0.718	0.641	0.518
1.208	1.290	0.000	1.167	1.073	1.029	0.986	0.946	0.894	0.846	0.795	0.777	0.000	0.669	0.536
0.000	1.278	1.223	1.144	1.086	1.040	0.996	0.946	0.903	0.854	0.805	0.761	0.723	0.662	0.000
1.202	1.239	1.180	1.140	1.116	1.103	1.028	0.968	0.932	0.905	0.827	0.757	0.697	0.641	0.532
1.176	1.111	1.073	1.157	1.169	0.000	1.083	0.996	0.981	0.000	0.865	0.768	0.634	0.574	0.520
1.189	1.133	1.096	1.198	1.205	1.179	1.088	1.019	0.987	0.967	0.895	0.797	0.646	0.585	0.523
1.133	1.180	1.151	1.154	0.000	1.096	1.019	0.964	0.924	0.900	0.000	0.767	0.680	0.608	0.495

ASSEMBLY LABEL: J129 SERIAL = J129 IA,JA,K = 10,16,13 SEG TYPE/ROT 14/ 3
BATCH = 13 208 PINS
ASSEM RPF = 0.997 ASSEM RPD = 1.003 PLANAR RPD = 0.928 AVE/PEAK GWD/T = 5.37/ 7.89
PEAK PIN = 1.404 MAX PIN XY = 1.299 MAX CHA = 1.272 PEAK KW/FT = 7.391
@ 6, 2 @ 6, 2 @ 5, 2 PEAK W/CM = 242.472

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.299 LOCATION = 6, 2

1.134	1.181	1.153	1.155	0.000	1.096	1.018	0.962	0.922	0.898	0.000	0.765	0.678	0.606	0.493
1.192	1.136	1.097	1.201	1.206	1.179	1.087	1.016	0.984	0.963	0.891	0.792	0.642	0.581	0.519
1.182	1.114	1.076	1.159	1.170	0.000	1.080	0.992	0.976	0.000	0.858	0.761	0.627	0.568	0.515
1.210	1.247	1.184	1.142	1.116	1.101	1.023	0.962	0.924	0.897	0.818	0.748	0.688	0.633	0.525
0.000	1.290	1.227	1.147	1.085	1.036	0.990	0.939	0.894	0.844	0.794	0.749	0.710	0.652	0.000
1.219	1.299	0.000	1.169	1.072	1.025	0.979	0.937	0.884	0.833	0.782	0.762	0.000	0.654	0.523
1.178	1.247	1.218	1.131	1.064	1.018	0.998	0.974	0.900	0.827	0.775	0.734	0.700	0.624	0.502
1.166	1.220	1.173	1.113	1.057	1.020	1.020	0.000	0.919	0.827	0.767	0.721	0.671	0.608	0.494
1.178	1.245	1.218	1.128	1.061	1.014	0.993	0.969	0.894	0.820	0.769	0.727	0.693	0.617	0.496
1.220	1.298	0.000	1.163	1.064	1.016	0.969	0.926	0.871	0.821	0.768	0.747	0.000	0.639	0.509
0.000	1.283	1.221	1.137	1.074	1.022	0.974	0.921	0.875	0.824	0.773	0.727	0.687	0.626	0.000
1.212	1.241	1.174	1.128	1.098	1.079	1.000	0.937	0.897	0.868	0.788	0.718	0.656	0.601	0.494
1.188	1.110	1.063	1.139	1.144	0.000	1.047	0.958	0.938	0.000	0.817	0.720	0.590	0.530	0.476
1.208	1.132	1.081	1.173	1.171	1.138	1.043	0.970	0.934	0.909	0.835	0.738	0.593	0.532	0.470
1.168	1.182	1.133	1.121	0.000	1.046	0.965	0.905	0.861	0.832	0.000	0.697	0.611	0.541	0.436

ASSEMBLY LABEL: J137 SERIAL = J137 IA,JA,K = 11,16,13 SEG TYPE/ROT 14/ 3
BATCH = 13 208 PINS
ASSEM RPF = 0.790 ASSEM RPD = 0.794 PLANAR RPD = 0.735 AVE/PEAK GWD/T = 4.08/ 7.38
PEAK PIN = 1.310 MAX PIN XY = 1.212 MAX CHA = 1.188 PEAK KW/FT = 6.897
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 226.275

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.212 LOCATION = 5, 2

1.162	1.182	1.133	1.121	0.000	1.044	0.962	0.902	0.856	0.827	0.000	0.689	0.603	0.531	0.422
1.190	1.116	1.064	1.158	1.154	1.119	1.022	0.948	0.909	0.884	0.808	0.710	0.565	0.503	0.439
1.156	1.076	1.029	1.103	1.105	0.000	1.004	0.913	0.891	0.000	0.768	0.672	0.543	0.483	0.426
1.161	1.191	1.119	1.070	1.036	1.015	0.934	0.870	0.828	0.795	0.716	0.647	0.585	0.528	0.424
0.000	1.212	1.142	1.055	0.989	0.936	0.885	0.830	0.782	0.730	0.678	0.631	0.589	0.530	0.000
1.131	1.199	0.000	1.055	0.955	0.904	0.853	0.808	0.752	0.701	0.649	0.623	0.000	0.515	0.399
1.072	1.127	1.088	0.995	0.924	0.873	0.845	0.815	0.741	0.672	0.621	0.579	0.544	0.474	0.370
1.042	1.079	1.020	0.953	0.890	0.847	0.835	0.000	0.730	0.646	0.590	0.546	0.499	0.444	0.351
1.030	1.074	1.031	0.935	0.864	0.811	0.780	0.748	0.678	0.612	0.564	0.525	0.492	0.430	0.337
1.043	1.090	0.000	0.932	0.833	0.778	0.726	0.680	0.627	0.580	0.533	0.510	0.000	0.423	0.330
0.000	1.043	0.966	0.874	0.802	0.744	0.691	0.638	0.592	0.546	0.502	0.464	0.433	0.390	0.000
0.976	0.972	0.889	0.826	0.779	0.742	0.666	0.607	0.565	0.534	0.474	0.424	0.382	0.347	0.283
0.921	0.830	0.764	0.790	0.764	0.000	0.648	0.572	0.542	0.000	0.448	0.387	0.312	0.280	0.253
0.891	0.805	0.736	0.764	0.728	0.676	0.591	0.526	0.487	0.458	0.408	0.353	0.280	0.252	0.229
0.804	0.789	0.721	0.675	0.000	0.561	0.488	0.434	0.392	0.363	0.000	0.286	0.250	0.225	0.190

ASSEMBLY LABEL: J161 SERIAL = J161 IA,JA,K = 12,15,13 SEG TYPE/ROT 13/ 3
BATCH = 13 208 PINS
ASSEM RPF = 1.106 ASSEM RPD = 1.113 PLANAR RPD = 1.030 AVE/PEAK GWD/T = 5.73/ 8.37
PEAK PIN = 1.571 MAX PIN XY = 1.454 MAX CHA = 1.445 PEAK KW/FT = 8.271
@ 5, 2 @ 5, 2 @ 5, 1 PEAK W/CM = 271.342

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.454 LOCATION = 5, 2

1.328	1.310	1.254	1.252	0.000	1.212	1.145	1.111	1.093	1.100	0.000	1.017	0.948	0.908	0.816
1.412	1.267	1.200	1.311	1.327	1.306	1.224	1.173	1.158	1.169	1.115	1.030	0.872	0.832	0.806
1.400	1.255	1.180	1.264	1.286	0.000	1.215	1.136	1.138	0.000	1.060	0.965	0.821	0.781	0.751
1.436	1.405	1.301	1.239	1.215	1.213	1.145	1.091	1.069	1.058	0.981	0.918	0.873	0.833	0.725
0.000	1.454	1.348	1.243	1.179	1.136	1.096	1.055	1.015	0.977	0.930	0.896	0.875	0.820	0.000
1.433	1.448	0.000	1.261	1.160	1.112	1.074	1.040	0.992	0.944	0.902	0.891	0.000	0.789	0.646
1.380	1.379	1.318	1.214	1.138	1.098	1.078	1.064	0.990	0.923	0.871	0.836	0.802	0.722	0.589
1.355	1.343	1.256	1.181	1.124	1.086	1.094	0.000	0.998	0.906	0.848	0.799	0.747	0.680	0.553
1.358	1.356	1.294	1.188	1.114	1.069	1.046	1.033	0.954	0.884	0.830	0.790	0.752	0.666	0.531
1.393	1.405	0.000	1.213	1.109	1.057	1.015	0.973	0.923	0.869	0.817	0.794	0.000	0.671	0.528
0.000	1.386	1.281	1.175	1.104	1.058	1.010	0.962	0.913	0.865	0.810	0.759	0.718	0.648	0.000
1.363	1.330	1.224	1.157	1.126	1.110	1.032	0.969	0.934	0.903	0.819	0.742	0.677	0.613	0.493
1.329	1.184	1.104	1.178	1.182	0.000	1.083	0.993	0.978	0.000	0.857	0.753	0.610	0.541	0.474
1.351	1.215	1.143	1.236	1.234	1.195	1.097	1.026	0.990	0.968	0.897	0.789	0.631	0.554	0.475
1.312	1.308	1.242	1.227	0.000	1.149	1.066	1.006	0.963	0.933	0.000	0.787	0.686	0.599	0.459

ASSEMBLY LABEL: J153 SERIAL = J153 IA,JA,K = 13,15,13 SEG TYPE/ROT 13/ 0
BATCH = 13 208 PINS
ASSEM RPF = 0.704 ASSEM RPD = 0.708 PLANAR RPD = 0.655 AVE/PEAK GWD/T = 3.60/ 7.04
PEAK PIN = 1.414 MAX PIN XY = 1.308 MAX CHA = 1.271 PEAK KW/FT = 7.444
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 244.241

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.308 LOCATION = 1, 1

1.308	1.306	1.236	1.218	0.000	1.136	1.050	0.989	0.945	0.917	0.000	0.772	0.674	0.589	0.449
1.306	1.164	1.086	1.174	1.169	1.128	1.029	0.960	0.924	0.904	0.837	0.736	0.586	0.517	0.448
1.236	1.085	1.000	1.066	1.063	0.000	0.962	0.877	0.861	0.000	0.753	0.661	0.533	0.477	0.421
1.218	1.174	1.066	0.994	0.959	0.938	0.864	0.807	0.773	0.745	0.674	0.610	0.558	0.508	0.410
0.000	1.169	1.062	0.959	0.889	0.844	0.797	0.753	0.709	0.668	0.622	0.582	0.552	0.499	0.000
1.135	1.127	0.000	0.938	0.844	0.794	0.753	0.714	0.670	0.626	0.585	0.566	0.000	0.476	0.373
1.049	1.028	0.961	0.864	0.797	0.753	0.727	0.709	0.646	0.591	0.550	0.519	0.490	0.431	0.339
0.988	0.959	0.876	0.806	0.752	0.714	0.709	0.000	0.626	0.560	0.516	0.480	0.443	0.399	0.317
0.944	0.923	0.860	0.773	0.709	0.670	0.646	0.626	0.570	0.522	0.484	0.457	0.431	0.380	0.300
0.915	0.903	0.000	0.745	0.668	0.626	0.591	0.560	0.522	0.487	0.455	0.440	0.000	0.370	0.290
0.000	0.835	0.752	0.673	0.622	0.584	0.550	0.516	0.484	0.455	0.421	0.395	0.375	0.339	0.000
0.771	0.734	0.659	0.609	0.581	0.565	0.518	0.480	0.457	0.440	0.395	0.358	0.328	0.300	0.245
0.672	0.585	0.532	0.557	0.551	0.000	0.490	0.443	0.431	0.000	0.375	0.328	0.266	0.241	0.216
0.587	0.516	0.476	0.507	0.498	0.476	0.431	0.399	0.380	0.371	0.339	0.300	0.241	0.218	0.197
0.448	0.447	0.421	0.410	0.000	0.372	0.339	0.317	0.300	0.290	0.000	0.245	0.217	0.197	0.165

Cycle 07 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								K121
14								K129
16								K137
17							K161	
19							K153	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: K121 SERIAL = K121 IA,JA,K = 9,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.942 ASSEM RPD = 0.951 PLANAR RPD = 0.895 AVE/PEAK GWD/T = 6.25/ 9.05
PEAK PIN = 1.313 MAX PIN XY = 1.235 MAX CHA = 1.211 PEAK KW/FT = 6.887
@ 10, 2 @ 10, 2 @ 10, 2 PEAK W/CM = 225.955

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.235 LOCATION = 10, 2

1.099	1.120	1.086	1.085	0.000	1.031	0.960	0.909	0.871	0.850	0.000	0.722	0.638	0.569	0.463
1.130	1.071	1.033	1.130	1.138	1.115	1.030	0.965	0.935	0.917	0.847	0.753	0.610	0.550	0.489
1.112	1.050	1.017	1.094	1.108	0.000	1.027	0.947	0.932	0.000	0.821	0.728	0.600	0.541	0.487
1.135	1.172	1.116	1.082	1.060	1.048	0.977	0.921	0.885	0.860	0.784	0.717	0.658	0.603	0.498
0.000	1.214	1.160	1.088	1.033	0.989	0.947	0.900	0.858	0.811	0.763	0.720	0.681	0.623	0.000
1.143	1.224	0.000	1.111	1.022	0.980	0.938	0.900	0.850	0.802	0.753	0.733	0.000	0.627	0.501
1.106	1.177	1.156	1.077	1.017	0.975	0.958	0.937	0.867	0.798	0.749	0.709	0.675	0.602	0.483
1.098	1.155	1.116	1.063	1.012	0.979	0.981	0.000	0.888	0.800	0.744	0.699	0.650	0.589	0.478
1.112	1.181	1.161	1.080	1.019	0.976	0.958	0.937	0.866	0.796	0.748	0.709	0.675	0.601	0.483
1.155	1.235	0.000	1.117	1.025	0.982	0.939	0.899	0.848	0.801	0.751	0.732	0.000	0.626	0.500
0.000	1.224	1.172	1.096	1.038	0.992	0.948	0.900	0.856	0.808	0.760	0.717	0.679	0.620	0.000
1.152	1.189	1.131	1.092	1.067	1.052	0.979	0.920	0.884	0.857	0.781	0.714	0.655	0.601	0.497
1.128	1.067	1.030	1.108	1.118	0.000	1.031	0.947	0.930	0.000	0.817	0.723	0.597	0.538	0.485
1.141	1.089	1.052	1.148	1.151	1.124	1.035	0.967	0.935	0.914	0.844	0.750	0.608	0.548	0.488
1.091	1.133	1.104	1.105	0.000	1.045	0.968	0.914	0.874	0.850	0.000	0.721	0.637	0.569	0.463

ASSEMBLY LABEL: K129 SERIAL = K129 IA,JA,K = 10,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.935 ASSEM RPD = 0.944 PLANAR RPD = 0.888 AVE/PEAK GWD/T = 6.04/ 8.90
PEAK PIN = 1.328 MAX PIN XY = 1.250 MAX CHA = 1.223 PEAK KW/FT = 6.966
@ 10, 2 @ 10, 2 @ 5, 2 PEAK W/CM = 228.540

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.250 LOCATION = 10, 2

1.092	1.134	1.106	1.106	0.000	1.045	0.969	0.914	0.874	0.850	0.000	0.721	0.637	0.568	0.463
1.145	1.092	1.054	1.150	1.153	1.125	1.035	0.967	0.934	0.913	0.843	0.748	0.606	0.547	0.487
1.136	1.073	1.036	1.112	1.120	0.000	1.030	0.946	0.928	0.000	0.814	0.721	0.594	0.536	0.483
1.163	1.199	1.137	1.097	1.070	1.054	0.978	0.919	0.881	0.853	0.777	0.710	0.651	0.597	0.494
0.000	1.240	1.180	1.102	1.042	0.994	0.948	0.897	0.854	0.804	0.755	0.712	0.673	0.616	0.000
1.171	1.249	0.000	1.124	1.029	0.984	0.937	0.897	0.844	0.795	0.745	0.724	0.000	0.619	0.494
1.131	1.199	1.172	1.088	1.023	0.977	0.956	0.933	0.860	0.790	0.740	0.699	0.665	0.591	0.474
1.120	1.174	1.130	1.071	1.016	0.979	0.978	0.000	0.879	0.791	0.733	0.687	0.638	0.576	0.467
1.131	1.198	1.172	1.087	1.021	0.975	0.953	0.929	0.856	0.784	0.735	0.694	0.659	0.585	0.469
1.173	1.250	0.000	1.120	1.024	0.978	0.931	0.888	0.836	0.786	0.735	0.714	0.000	0.606	0.481
0.000	1.235	1.177	1.095	1.034	0.984	0.937	0.885	0.840	0.790	0.740	0.695	0.655	0.595	0.000
1.165	1.195	1.131	1.088	1.058	1.039	0.963	0.901	0.862	0.832	0.755	0.687	0.626	0.571	0.468
1.142	1.070	1.026	1.098	1.103	0.000	1.007	0.921	0.900	0.000	0.782	0.689	0.564	0.504	0.450
1.161	1.091	1.043	1.131	1.127	1.096	1.003	0.932	0.896	0.871	0.799	0.704	0.566	0.505	0.445
1.128	1.139	1.091	1.080	0.000	1.007	0.927	0.870	0.826	0.798	0.000	0.666	0.582	0.513	0.412

ASSEMBLY LABEL: K137 SERIAL = K137 IA,JA,K = 11,16,13 SEG TYPE/ROT 13/ 3
BATCH = 12 208 PINS
ASSEM RPF = 0.746 ASSEM RPD = 0.753 PLANAR RPD = 0.709 AVE/PEAK GWD/T = 4.59/ 8.39
PEAK PIN = 1.255 MAX PIN XY = 1.180 MAX CHA = 1.156 PEAK KW/FT = 6.580
@ 5, 2 @ 5, 2 @ 4, 1 PEAK W/CM = 215.882

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.180 LOCATION = 5, 2

1.126	1.144	1.096	1.083	0.000	1.006	0.926	0.866	0.822	0.793	0.000	0.658	0.573	0.502	0.398
1.154	1.083	1.032	1.120	1.115	1.080	0.985	0.912	0.874	0.848	0.773	0.678	0.538	0.477	0.414
1.123	1.048	1.000	1.069	1.070	0.000	0.968	0.880	0.857	0.000	0.735	0.642	0.518	0.458	0.401
1.131	1.158	1.088	1.039	1.005	0.982	0.903	0.839	0.797	0.764	0.686	0.618	0.557	0.501	0.400
0.000	1.180	1.111	1.025	0.960	0.906	0.855	0.801	0.753	0.701	0.650	0.603	0.561	0.502	0.000
1.105	1.168	0.000	1.025	0.927	0.875	0.825	0.779	0.724	0.673	0.622	0.595	0.000	0.489	0.377
1.047	1.099	1.059	0.967	0.897	0.845	0.816	0.785	0.713	0.645	0.595	0.554	0.517	0.450	0.349
1.017	1.052	0.994	0.927	0.864	0.820	0.806	0.000	0.702	0.620	0.565	0.521	0.475	0.421	0.331
1.006	1.047	1.003	0.909	0.838	0.785	0.753	0.721	0.652	0.587	0.540	0.501	0.468	0.408	0.318
1.017	1.061	0.000	0.905	0.807	0.753	0.701	0.655	0.603	0.556	0.510	0.487	0.000	0.400	0.311
0.000	1.015	0.939	0.848	0.778	0.720	0.667	0.614	0.569	0.523	0.480	0.443	0.411	0.369	0.000
0.950	0.945	0.864	0.801	0.754	0.717	0.642	0.584	0.542	0.511	0.452	0.404	0.363	0.328	0.267
0.895	0.806	0.742	0.765	0.739	0.000	0.624	0.550	0.520	0.000	0.427	0.368	0.296	0.264	0.238
0.864	0.780	0.712	0.738	0.702	0.650	0.567	0.504	0.465	0.437	0.388	0.335	0.265	0.238	0.215
0.778	0.762	0.695	0.650	0.000	0.539	0.468	0.415	0.375	0.346	0.000	0.271	0.236	0.211	0.178

ASSEMBLY LABEL: K161 SERIAL = K161 IA,JA,K = 12,15,13 SEG TYPE/ROT 12/ 3
BATCH = 12 208 PINS
ASSEM RPF = 1.053 ASSEM RPD = 1.064 PLANAR RPD = 1.001 AVE/PEAK GWD/T = 6.53/ 9.56
PEAK PIN = 1.501 MAX PIN XY = 1.412 MAX CHA = 1.402 PEAK KW/FT = 7.871
@ 5, 2 @ 5, 2 @ 5, 1 PEAK W/CM = 258.242

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.412 LOCATION = 5, 2

1.301	1.283	1.229	1.228	0.000	1.190	1.124	1.092	1.073	1.079	0.000	0.996	0.925	0.885	0.794
1.376	1.238	1.175	1.281	1.297	1.277	1.197	1.148	1.132	1.143	1.088	1.006	0.852	0.811	0.783
1.363	1.225	1.152	1.234	1.256	0.000	1.186	1.110	1.111	0.000	1.035	0.941	0.802	0.762	0.730
1.396	1.366	1.267	1.207	1.185	1.183	1.117	1.064	1.043	1.032	0.957	0.895	0.850	0.811	0.705
0.000	1.412	1.310	1.210	1.148	1.106	1.067	1.028	0.989	0.952	0.907	0.873	0.852	0.798	0.000
1.390	1.405	0.000	1.226	1.128	1.082	1.045	1.011	0.965	0.919	0.878	0.867	0.000	0.767	0.629
1.338	1.338	1.280	1.179	1.106	1.067	1.048	1.034	0.962	0.897	0.847	0.813	0.779	0.702	0.573
1.315	1.302	1.219	1.146	1.092	1.055	1.062	0.000	0.969	0.880	0.824	0.776	0.727	0.662	0.539
1.317	1.315	1.255	1.152	1.081	1.037	1.015	1.001	0.926	0.858	0.806	0.767	0.730	0.647	0.517
1.350	1.361	0.000	1.176	1.075	1.025	0.984	0.944	0.894	0.842	0.792	0.770	0.000	0.651	0.514
0.000	1.343	1.242	1.139	1.070	1.025	0.978	0.931	0.884	0.838	0.784	0.735	0.697	0.629	0.000
1.322	1.289	1.187	1.122	1.091	1.074	0.998	0.937	0.903	0.873	0.793	0.719	0.656	0.595	0.480
1.290	1.150	1.072	1.141	1.143	0.000	1.046	0.960	0.944	0.000	0.828	0.728	0.592	0.526	0.460
1.311	1.180	1.110	1.196	1.193	1.154	1.059	0.991	0.955	0.934	0.865	0.761	0.610	0.537	0.462
1.275	1.269	1.205	1.188	0.000	1.110	1.029	0.972	0.929	0.899	0.000	0.760	0.663	0.579	0.445

ASSEMBLY LABEL: K153 SERIAL = K153 IA,JA,K = 13,15,13 SEG TYPE/ROT 12/ 0
BATCH = 12 208 PINS
ASSEM RPF = 0.672 ASSEM RPD = 0.679 PLANAR RPD = 0.639 AVE/PEAK GWD/T = 4.11/ 8.08
PEAK PIN = 1.360 MAX PIN XY = 1.279 MAX CHA = 1.243 PEAK KW/FT = 7.133
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 234.015

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.279 LOCATION = 1, 1

1.279	1.275	1.205	1.186	0.000	1.102	1.017	0.958	0.914	0.885	0.000	0.745	0.650	0.568	0.435
1.278	1.137	1.060	1.143	1.136	1.094	0.997	0.929	0.893	0.873	0.807	0.710	0.566	0.500	0.433
1.211	1.062	0.977	1.039	1.033	0.000	0.933	0.849	0.833	0.000	0.727	0.638	0.516	0.461	0.407
1.194	1.148	1.041	0.970	0.934	0.912	0.839	0.783	0.749	0.721	0.652	0.590	0.539	0.491	0.397
0.000	1.143	1.038	0.936	0.867	0.822	0.775	0.731	0.688	0.647	0.602	0.563	0.533	0.482	0.000
1.114	1.103	0.000	0.916	0.823	0.773	0.733	0.695	0.651	0.607	0.567	0.547	0.000	0.460	0.361
1.030	1.008	0.941	0.844	0.778	0.735	0.708	0.690	0.628	0.574	0.533	0.503	0.474	0.417	0.328
0.971	0.941	0.858	0.789	0.735	0.697	0.691	0.000	0.609	0.545	0.501	0.466	0.430	0.386	0.307
0.928	0.905	0.843	0.757	0.693	0.655	0.630	0.611	0.556	0.508	0.471	0.444	0.418	0.368	0.291
0.900	0.886	0.000	0.729	0.653	0.612	0.577	0.547	0.509	0.474	0.443	0.428	0.000	0.359	0.281
0.000	0.820	0.737	0.660	0.609	0.572	0.537	0.504	0.472	0.443	0.411	0.384	0.365	0.329	0.000
0.758	0.722	0.647	0.598	0.570	0.553	0.507	0.469	0.447	0.429	0.385	0.349	0.319	0.292	0.238
0.662	0.575	0.524	0.547	0.541	0.000	0.480	0.434	0.422	0.000	0.366	0.320	0.259	0.235	0.211
0.578	0.508	0.469	0.499	0.489	0.466	0.422	0.391	0.372	0.362	0.332	0.293	0.235	0.212	0.191
0.442	0.440	0.414	0.403	0.000	0.366	0.334	0.312	0.295	0.285	0.000	0.240	0.212	0.192	0.161

Cycle 08 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								H139
14								L129
16								L130
17							J153	
19							H105	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: H139 SERIAL = H139 IA,JA,K = 9,16,13 SEG TYPE/ROT 8/ 3
BATCH = 6 152 PINS
ASSEM RPF = 0.257 ASSEM RPD = 0.351 PLANAR RPD = 0.328 AVE/PEAK GWD/T = 36.99/43.66
PEAK PIN = 0.573 MAX PIN XY = 0.536 MAX CHA = 0.508 PEAK KW/FT = 2.433
@ 15, 1 @ 15, 1 @ 14, 1 PEAK W/CM = 79.839

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.536 LOCATION = 15, 1

0.435	0.388	0.353	0.327	0.000	0.273	0.245	0.221	0.201	0.185	0.000	0.000	0.000	0.000	0.000
0.424	0.382	0.348	0.335	0.311	0.285	0.255	0.229	0.209	0.192	0.177	0.000	0.000	0.000	0.000
0.426	0.385	0.353	0.336	0.312	0.000	0.258	0.230	0.212	0.000	0.176	0.000	0.000	0.000	0.000
0.436	0.410	0.372	0.341	0.313	0.287	0.257	0.231	0.210	0.193	0.176	0.000	0.000	0.000	0.000
0.000	0.423	0.385	0.349	0.315	0.285	0.258	0.233	0.211	0.191	0.177	0.000	0.000	0.000	0.000
0.451	0.431	0.000	0.358	0.319	0.290	0.263	0.239	0.216	0.196	0.181	0.000	0.000	0.000	0.000
0.452	0.432	0.400	0.362	0.326	0.296	0.273	0.249	0.225	0.201	0.187	0.000	0.000	0.000	0.000
0.458	0.435	0.402	0.367	0.334	0.305	0.283	0.000	0.235	0.209	0.194	0.000	0.000	0.000	0.000
0.467	0.448	0.418	0.379	0.344	0.314	0.291	0.268	0.243	0.218	0.204	0.000	0.000	0.000	0.000
0.482	0.465	0.000	0.394	0.356	0.326	0.299	0.274	0.251	0.230	0.214	0.000	0.000	0.000	0.000
0.000	0.475	0.439	0.404	0.370	0.340	0.313	0.287	0.264	0.243	0.228	0.000	0.000	0.000	0.000
0.500	0.477	0.444	0.414	0.389	0.363	0.333	0.305	0.283	0.263	0.245	0.000	0.000	0.000	0.000
0.504	0.466	0.438	0.429	0.408	0.000	0.355	0.324	0.304	0.000	0.265	0.000	0.000	0.000	0.000
0.515	0.481	0.451	0.446	0.427	0.402	0.370	0.341	0.320	0.301	0.284	0.000	0.000	0.000	0.000
0.536	0.499	0.472	0.452	0.000	0.402	0.371	0.345	0.322	0.304	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: L100 SERIAL = L129 IA,JA,K = 10,16,13 SEG TYPE/ROT 14/ 3
BATCH = 13 216 PINS
ASSEM RPF = 0.785 ASSEM RPD = 0.754 PLANAR RPD = 0.706 AVE/PEAK GWD/T = 4.66/ 8.37
PEAK PIN = 1.169 MAX PIN XY = 1.094 MAX CHA = 1.088 PEAK KW/FT = 4.964
@ 11, 2 @ 11, 2 @ 11, 1 PEAK W/CM = 162.851

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.094 LOCATION = 11, 2

0.950	0.947	0.877	0.829	0.000	0.703	0.626	0.568	0.522	0.489	0.000	0.402	0.353	0.314	0.254
1.008	0.917	0.842	0.874	0.820	0.744	0.676	0.617	0.568	0.525	0.486	0.433	0.347	0.312	0.277
1.006	0.907	0.835	0.855	0.791	0.734	0.676	0.622	0.573	0.526	0.479	0.436	0.356	0.320	0.288
1.029	1.020	0.926	0.859	0.799	0.742	0.689	0.639	0.588	0.540	0.495	0.451	0.409	0.374	0.307
0.000	1.043	0.929	0.866	0.812	0.758	0.712	0.661	0.612	0.560	0.514	0.467	0.424	0.396	0.000
1.035	1.027	0.941	0.878	0.826	0.784	0.738	0.693	0.638	0.586	0.531	0.483	0.440	0.403	0.331
1.009	1.022	0.947	0.890	0.845	0.804	0.779	0.748	0.677	0.607	0.552	0.500	0.453	0.410	0.331
1.006	1.026	0.957	0.905	0.859	0.826	0.818	0.000	0.714	0.629	0.568	0.515	0.466	0.420	0.338
1.020	1.041	0.969	0.915	0.873	0.835	0.812	0.783	0.711	0.639	0.582	0.527	0.478	0.433	0.348
1.058	1.064	0.984	0.927	0.881	0.844	0.801	0.758	0.703	0.650	0.592	0.540	0.491	0.448	0.365
0.000	1.094	0.995	0.942	0.896	0.848	0.807	0.758	0.709	0.655	0.604	0.552	0.501	0.464	0.000
1.079	1.091	1.013	0.959	0.910	0.862	0.815	0.769	0.717	0.666	0.615	0.564	0.511	0.464	0.375
1.070	0.988	0.933	0.981	0.931	0.884	0.833	0.783	0.733	0.684	0.629	0.577	0.471	0.420	0.370
1.094	1.017	0.960	1.026	0.993	0.927	0.865	0.809	0.760	0.715	0.673	0.602	0.482	0.428	0.373
1.057	1.067	1.013	0.988	0.000	0.893	0.819	0.765	0.720	0.688	0.000	0.574	0.503	0.440	0.348

ASSEMBLY LABEL: L100 SERIAL = L130 IA,JA,K = 11,16,13 SEG TYPE/ROT 14/ 3
BATCH = 13 216 PINS
ASSEM RPF = 0.678 ASSEM RPD = 0.651 PLANAR RPD = 0.610 AVE/PEAK GWD/T = 3.83/ 7.43
PEAK PIN = 1.157 MAX PIN XY = 1.083 MAX CHA = 1.051 PEAK KW/FT = 4.914
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 161.209

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 1.083 LOCATION = 2, 1

1.053	1.064	1.008	0.982	0.000	0.888	0.814	0.761	0.716	0.686	0.000	0.574	0.502	0.439	0.344
1.083	1.005	0.945	1.011	0.975	0.909	0.848	0.793	0.746	0.703	0.660	0.591	0.472	0.419	0.363
1.048	0.964	0.906	0.952	0.901	0.855	0.804	0.755	0.707	0.659	0.607	0.556	0.453	0.403	0.354
1.041	1.052	0.971	0.917	0.867	0.819	0.772	0.727	0.678	0.629	0.582	0.533	0.483	0.438	0.352
0.000	1.040	0.937	0.884	0.838	0.792	0.751	0.705	0.658	0.607	0.560	0.511	0.463	0.430	0.000
0.986	0.987	0.910	0.854	0.809	0.773	0.732	0.692	0.640	0.590	0.537	0.489	0.445	0.406	0.329
0.931	0.947	0.877	0.825	0.785	0.748	0.726	0.699	0.633	0.568	0.517	0.468	0.425	0.383	0.306
0.897	0.912	0.846	0.797	0.754	0.723	0.714	0.000	0.622	0.546	0.493	0.447	0.404	0.364	0.291
0.875	0.886	0.816	0.764	0.723	0.686	0.663	0.635	0.574	0.514	0.467	0.422	0.383	0.347	0.278
0.871	0.865	0.787	0.731	0.685	0.649	0.609	0.571	0.525	0.482	0.437	0.398	0.362	0.331	0.271
0.000	0.845	0.753	0.699	0.652	0.607	0.568	0.527	0.487	0.445	0.408	0.372	0.338	0.315	0.000
0.806	0.796	0.720	0.665	0.616	0.570	0.528	0.489	0.449	0.412	0.378	0.345	0.313	0.288	0.237
0.752	0.675	0.617	0.631	0.581	0.536	0.492	0.452	0.415	0.381	0.346	0.316	0.259	0.234	0.213
0.715	0.644	0.588	0.606	0.566	0.509	0.460	0.418	0.383	0.352	0.327	0.291	0.234	0.213	0.194
0.627	0.618	0.564	0.527	0.000	0.436	0.384	0.345	0.314	0.291	0.000	0.237	0.210	0.190	0.161

ASSEMBLY LABEL: J153 SERIAL = J153 IA,JA,K = 12,15,13 SEG TYPE/ROT 9/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.636 ASSEM RPD = 0.635 PLANAR RPD = 0.594 AVE/PEAK GWD/T = 25.87/34.80
PEAK PIN = 0.983 MAX PIN XY = 0.920 MAX CHA = 0.894 PEAK KW/FT = 4.173
@ 2, 1 @ 2, 1 @ 4, 1 PEAK W/CM = 136.895

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.920 LOCATION = 2, 1

0.910	0.883	0.846	0.832	0.000	0.788	0.750	0.728	0.710	0.703	0.000	0.650	0.610	0.580	0.531
0.920	0.851	0.812	0.844	0.836	0.814	0.770	0.738	0.721	0.714	0.682	0.638	0.561	0.530	0.504
0.904	0.837	0.794	0.814	0.807	0.000	0.751	0.708	0.698	0.000	0.643	0.594	0.523	0.492	0.462
0.903	0.887	0.833	0.793	0.767	0.749	0.710	0.674	0.655	0.637	0.597	0.559	0.526	0.494	0.433
0.000	0.893	0.839	0.782	0.738	0.704	0.673	0.644	0.616	0.589	0.558	0.533	0.508	0.470	0.000
0.884	0.881	0.000	0.775	0.716	0.680	0.649	0.622	0.590	0.559	0.529	0.512	0.000	0.439	0.367
0.858	0.848	0.806	0.747	0.695	0.660	0.637	0.615	0.573	0.534	0.501	0.475	0.446	0.399	0.331
0.844	0.826	0.773	0.721	0.677	0.642	0.627	0.000	0.559	0.511	0.476	0.443	0.410	0.368	0.303
0.836	0.821	0.776	0.713	0.660	0.621	0.594	0.571	0.527	0.486	0.453	0.425	0.394	0.347	0.281
0.839	0.826	0.000	0.708	0.644	0.602	0.566	0.533	0.498	0.464	0.431	0.408	0.000	0.333	0.266
0.000	0.810	0.746	0.682	0.628	0.587	0.548	0.512	0.478	0.445	0.411	0.380	0.350	0.310	0.000
0.813	0.780	0.714	0.660	0.621	0.588	0.539	0.497	0.467	0.438	0.397	0.357	0.321	0.285	0.230
0.791	0.712	0.654	0.651	0.619	0.000	0.534	0.484	0.458	0.000	0.386	0.341	0.285	0.249	0.212
0.784	0.707	0.650	0.648	0.613	0.569	0.515	0.470	0.438	0.411	0.375	0.332	0.274	0.239	0.200
0.761	0.722	0.665	0.622	0.000	0.531	0.481	0.441	0.407	0.380	0.000	0.312	0.275	0.238	0.187

ASSEMBLY LABEL: H105 SERIAL = H105 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 152 PINS
ASSEM RPF = 0.175 ASSEM RPD = 0.239 PLANAR RPD = 0.224 AVE/PEAK GWD/T = 37.34/46.15
PEAK PIN = 0.511 MAX PIN XY = 0.478 MAX CHA = 0.443 PEAK KW/FT = 2.169
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 71.165

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.478 LOCATION = 1, 1

0.478	0.435	0.404	0.379	0.000	0.330	0.303	0.281	0.261	0.245	0.000	0.000	0.000	0.000	0.000
0.451	0.407	0.375	0.364	0.342	0.318	0.291	0.267	0.249	0.233	0.220	0.000	0.000	0.000	0.000
0.434	0.389	0.356	0.342	0.320	0.000	0.273	0.247	0.231	0.000	0.200	0.000	0.000	0.000	0.000
0.423	0.389	0.355	0.323	0.299	0.276	0.250	0.227	0.210	0.194	0.181	0.000	0.000	0.000	0.000
0.000	0.379	0.343	0.309	0.278	0.253	0.230	0.210	0.191	0.176	0.164	0.000	0.000	0.000	0.000
0.390	0.363	0.000	0.295	0.262	0.236	0.214	0.195	0.177	0.162	0.151	0.000	0.000	0.000	0.000
0.368	0.340	0.310	0.277	0.246	0.222	0.203	0.186	0.167	0.150	0.139	0.000	0.000	0.000	0.000
0.350	0.320	0.289	0.259	0.232	0.209	0.192	0.000	0.157	0.140	0.129	0.000	0.000	0.000	0.000
0.331	0.304	0.276	0.245	0.217	0.195	0.178	0.162	0.145	0.130	0.120	0.000	0.000	0.000	0.000
0.313	0.288	0.000	0.231	0.203	0.182	0.164	0.148	0.133	0.120	0.112	0.000	0.000	0.000	0.000
0.000	0.267	0.239	0.212	0.189	0.170	0.153	0.137	0.124	0.113	0.104	0.000	0.000	0.000	0.000
0.263	0.240	0.214	0.193	0.175	0.159	0.143	0.128	0.117	0.107	0.097	0.000	0.000	0.000	0.000
0.231	0.204	0.184	0.173	0.160	0.000	0.132	0.117	0.108	0.000	0.090	0.000	0.000	0.000	0.000
0.199	0.177	0.160	0.153	0.141	0.129	0.116	0.105	0.096	0.089	0.082	0.000	0.000	0.000	0.000
0.161	0.146	0.134	0.124	0.000	0.105	0.094	0.086	0.079	0.073	0.000	0.000	0.000	0.000	0.000

Cycle 09 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								I121
14								K145
16								K161
17							K214	
19							I145	
20								
22								
23								

Eighth Core Reflective Symmetry

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 9,16,13 SEG TYPE/ROT 7/ 3
BATCH = 6 208 PINS
ASSEM RPF = 0.378 ASSEM RPD = 0.387 PLANAR RPD = 0.350 AVE/PEAK GWD/T = 38.57/44.76
PEAK PIN = 0.721 MAX PIN XY = 0.652 MAX CHA = 0.627 PEAK KW/FT = 3.724
@ 15, 1 @ 15, 1 @ 14, 1 PEAK W/CM = 122.171

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.652 LOCATION = 15, 1

0.597	0.543	0.492	0.454	0.000	0.377	0.338	0.308	0.281	0.260	0.000	0.213	0.188	0.164	0.137
0.594	0.530	0.479	0.456	0.418	0.376	0.342	0.311	0.283	0.259	0.239	0.213	0.182	0.161	0.140
0.592	0.526	0.478	0.449	0.405	0.000	0.335	0.307	0.278	0.000	0.229	0.208	0.181	0.160	0.141
0.598	0.550	0.493	0.448	0.407	0.368	0.337	0.308	0.280	0.251	0.230	0.208	0.186	0.167	0.144
0.000	0.556	0.490	0.448	0.410	0.373	0.343	0.312	0.283	0.255	0.231	0.207	0.184	0.168	0.000
0.601	0.550	0.000	0.447	0.412	0.381	0.349	0.319	0.288	0.260	0.232	0.206	0.000	0.166	0.144
0.595	0.552	0.495	0.454	0.419	0.386	0.360	0.331	0.298	0.264	0.236	0.210	0.186	0.167	0.143
0.599	0.555	0.503	0.460	0.424	0.392	0.368	0.000	0.305	0.269	0.239	0.213	0.189	0.169	0.144
0.607	0.563	0.507	0.465	0.430	0.397	0.370	0.341	0.307	0.272	0.244	0.216	0.191	0.172	0.146
0.624	0.573	0.000	0.469	0.433	0.402	0.369	0.338	0.306	0.277	0.247	0.219	0.000	0.176	0.151
0.000	0.590	0.524	0.482	0.442	0.404	0.373	0.341	0.310	0.280	0.253	0.227	0.202	0.182	0.000
0.643	0.596	0.539	0.494	0.451	0.409	0.378	0.346	0.315	0.284	0.260	0.234	0.209	0.186	0.158
0.643	0.581	0.532	0.506	0.460	0.000	0.386	0.355	0.323	0.000	0.267	0.243	0.209	0.184	0.160
0.650	0.594	0.546	0.526	0.488	0.442	0.405	0.370	0.340	0.311	0.287	0.256	0.217	0.190	0.162
0.652	0.614	0.572	0.537	0.000	0.456	0.414	0.380	0.348	0.323	0.000	0.264	0.231	0.199	0.163

ASSEMBLY LABEL: K145 SERIAL = K145 IA,JA,K = 10,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.491 ASSEM RPD = 0.503 PLANAR RPD = 0.455 AVE/PEAK GWD/T = 30.54/34.33
PEAK PIN = 0.851 MAX PIN XY = 0.770 MAX CHA = 0.761 PEAK KW/FT = 4.398
@ 10, 1 @ 10, 1 @ 10, 1 PEAK W/CM = 144.286

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.770 LOCATION = 10, 1

0.717	0.680	0.629	0.590	0.000	0.500	0.449	0.408	0.373	0.343	0.000	0.275	0.238	0.207	0.170
0.731	0.671	0.619	0.610	0.574	0.529	0.474	0.427	0.393	0.363	0.326	0.285	0.236	0.207	0.178
0.735	0.672	0.624	0.609	0.573	0.000	0.480	0.430	0.399	0.000	0.325	0.285	0.238	0.208	0.181
0.752	0.725	0.665	0.613	0.569	0.527	0.475	0.429	0.394	0.362	0.323	0.287	0.255	0.225	0.186
0.000	0.746	0.684	0.621	0.565	0.515	0.471	0.428	0.390	0.354	0.321	0.291	0.262	0.232	0.000
0.765	0.752	0.000	0.632	0.565	0.517	0.472	0.432	0.392	0.356	0.322	0.296	0.000	0.234	0.189
0.754	0.741	0.692	0.626	0.567	0.519	0.483	0.445	0.401	0.357	0.323	0.294	0.266	0.231	0.187
0.752	0.734	0.681	0.623	0.568	0.523	0.491	0.000	0.408	0.361	0.325	0.293	0.262	0.229	0.186
0.756	0.744	0.696	0.631	0.572	0.524	0.488	0.451	0.406	0.362	0.328	0.298	0.269	0.233	0.187
0.770	0.759	0.000	0.642	0.575	0.527	0.482	0.442	0.401	0.365	0.330	0.304	0.000	0.238	0.191
0.000	0.754	0.696	0.635	0.579	0.530	0.486	0.443	0.405	0.368	0.334	0.302	0.271	0.237	0.000
0.762	0.736	0.679	0.630	0.587	0.547	0.495	0.449	0.413	0.380	0.338	0.300	0.265	0.231	0.188
0.749	0.687	0.639	0.629	0.595	0.000	0.505	0.454	0.422	0.000	0.344	0.300	0.250	0.215	0.183
0.752	0.689	0.638	0.632	0.598	0.555	0.500	0.453	0.418	0.386	0.346	0.301	0.247	0.213	0.179
0.752	0.702	0.648	0.610	0.000	0.523	0.472	0.430	0.393	0.363	0.000	0.287	0.246	0.210	0.169

ASSEMBLY LABEL: K161 SERIAL = K161 IA,JA,K = 11,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 208 PINS
ASSEM RPF = 0.387 ASSEM RPD = 0.397 PLANAR RPD = 0.359 AVE/PEAK GWD/T = 29.30/34.46
PEAK PIN = 0.845 MAX PIN XY = 0.764 MAX CHA = 0.729 PEAK KW/FT = 4.367
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 143.284

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.764 LOCATION = 1, 1

0.764	0.715	0.657	0.616	0.000	0.525	0.473	0.430	0.394	0.363	0.000	0.288	0.248	0.211	0.169
0.754	0.682	0.626	0.618	0.582	0.538	0.483	0.436	0.401	0.370	0.331	0.288	0.235	0.202	0.170
0.734	0.662	0.610	0.596	0.562	0.000	0.472	0.422	0.392	0.000	0.317	0.276	0.228	0.196	0.166
0.727	0.692	0.631	0.580	0.538	0.499	0.449	0.406	0.372	0.340	0.302	0.266	0.234	0.203	0.164
0.000	0.690	0.628	0.568	0.516	0.469	0.428	0.388	0.353	0.319	0.288	0.259	0.231	0.201	0.000
0.695	0.673	0.000	0.557	0.496	0.453	0.412	0.375	0.339	0.306	0.275	0.251	0.000	0.193	0.153
0.663	0.641	0.592	0.531	0.478	0.435	0.403	0.370	0.331	0.293	0.263	0.237	0.212	0.181	0.144
0.640	0.612	0.560	0.508	0.459	0.419	0.391	0.000	0.319	0.280	0.250	0.223	0.198	0.171	0.137
0.621	0.598	0.551	0.492	0.441	0.399	0.368	0.337	0.300	0.265	0.237	0.214	0.191	0.164	0.130
0.610	0.587	0.000	0.478	0.421	0.381	0.344	0.311	0.279	0.250	0.223	0.204	0.000	0.157	0.125
0.000	0.558	0.503	0.450	0.402	0.361	0.325	0.291	0.262	0.234	0.210	0.188	0.167	0.146	0.000
0.554	0.519	0.466	0.421	0.384	0.349	0.309	0.274	0.247	0.223	0.196	0.171	0.150	0.131	0.108
0.515	0.458	0.413	0.395	0.364	0.000	0.291	0.254	0.231	0.000	0.180	0.155	0.128	0.111	0.097
0.482	0.429	0.385	0.370	0.338	0.303	0.263	0.230	0.205	0.185	0.162	0.139	0.113	0.099	0.087
0.436	0.402	0.361	0.327	0.000	0.257	0.222	0.193	0.169	0.150	0.000	0.113	0.097	0.085	0.074

ASSEMBLY LABEL: K214 SERIAL = K214 IA,JA,K = 12,15,13 SEG TYPE/ROT 11/ 3
BATCH = 11 216 PINS
ASSEM RPF = 0.582 ASSEM RPD = 0.575 PLANAR RPD = 0.519 AVE/PEAK GWD/T = 30.96/35.69
PEAK PIN = 1.089 MAX PIN XY = 0.984 MAX CHA = 0.953 PEAK KW/FT = 5.626
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 184.577

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.984 LOCATION = 1, 1

0.984	0.950	0.907	0.877	0.000	0.798	0.749	0.715	0.681	0.658	0.000	0.587	0.539	0.497	0.440
0.975	0.901	0.854	0.861	0.824	0.776	0.732	0.698	0.660	0.630	0.599	0.557	0.487	0.448	0.411
0.943	0.870	0.776	0.813	0.768	0.726	0.692	0.588	0.618	0.582	0.547	0.511	0.426	0.412	0.377
0.921	0.888	0.826	0.773	0.726	0.687	0.651	0.617	0.581	0.544	0.508	0.474	0.439	0.404	0.351
0.000	0.860	0.789	0.736	0.693	0.654	0.619	0.584	0.548	0.512	0.476	0.441	0.407	0.376	0.000
0.856	0.819	0.757	0.705	0.662	0.625	0.591	0.558	0.521	0.485	0.448	0.414	0.378	0.345	0.295
0.812	0.780	0.726	0.676	0.633	0.599	0.572	0.545	0.502	0.460	0.423	0.389	0.354	0.317	0.267
0.779	0.749	0.625	0.648	0.606	0.572	0.553	0.000	0.483	0.436	0.399	0.366	0.298	0.296	0.247
0.748	0.716	0.665	0.617	0.577	0.543	0.517	0.492	0.451	0.411	0.376	0.343	0.311	0.276	0.229
0.725	0.691	0.634	0.588	0.549	0.515	0.484	0.453	0.421	0.387	0.354	0.323	0.291	0.260	0.217
0.000	0.665	0.606	0.562	0.523	0.489	0.458	0.428	0.397	0.366	0.336	0.305	0.276	0.247	0.000
0.659	0.630	0.581	0.537	0.500	0.467	0.437	0.408	0.378	0.348	0.319	0.291	0.262	0.232	0.191
0.620	0.565	0.497	0.517	0.481	0.449	0.420	0.351	0.363	0.335	0.307	0.280	0.225	0.208	0.178
0.588	0.537	0.501	0.497	0.468	0.434	0.402	0.376	0.348	0.324	0.301	0.271	0.228	0.198	0.167
0.549	0.520	0.487	0.461	0.000	0.405	0.374	0.349	0.325	0.305	0.000	0.255	0.225	0.195	0.153

ASSEMBLY LABEL: I145 SERIAL = I145 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 208 PINS
ASSEM RPF = 0.181 ASSEM RPD = 0.185 PLANAR RPD = 0.168 AVE/PEAK GWD/T = 38.69/46.01
PEAK PIN = 0.480 MAX PIN XY = 0.434 MAX CHA = 0.403 PEAK KW/FT = 2.482
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 81.433

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.434 LOCATION = 1, 1

0.434	0.405	0.380	0.360	0.000	0.314	0.290	0.271	0.252	0.237	0.000	0.200	0.178	0.155	0.123
0.404	0.367	0.341	0.332	0.312	0.287	0.266	0.248	0.231	0.215	0.202	0.183	0.159	0.139	0.117
0.378	0.340	0.313	0.302	0.279	0.000	0.240	0.225	0.208	0.000	0.179	0.166	0.145	0.128	0.109
0.357	0.330	0.301	0.277	0.257	0.236	0.222	0.207	0.192	0.176	0.164	0.151	0.138	0.124	0.103
0.000	0.308	0.277	0.256	0.237	0.221	0.207	0.194	0.179	0.165	0.152	0.140	0.127	0.115	0.000
0.309	0.283	0.000	0.235	0.220	0.207	0.195	0.182	0.169	0.155	0.142	0.129	0.000	0.105	0.088
0.285	0.262	0.238	0.220	0.206	0.194	0.184	0.174	0.160	0.146	0.133	0.121	0.109	0.098	0.080
0.266	0.244	0.222	0.205	0.192	0.181	0.174	0.000	0.151	0.136	0.124	0.113	0.102	0.091	0.075
0.247	0.227	0.205	0.191	0.178	0.168	0.160	0.151	0.139	0.127	0.116	0.105	0.095	0.085	0.069
0.233	0.212	0.000	0.175	0.164	0.155	0.145	0.136	0.127	0.117	0.107	0.097	0.000	0.079	0.065
0.000	0.199	0.177	0.163	0.152	0.142	0.133	0.125	0.116	0.107	0.099	0.091	0.083	0.075	0.000
0.197	0.181	0.164	0.150	0.139	0.129	0.121	0.113	0.106	0.098	0.091	0.084	0.076	0.068	0.054
0.176	0.157	0.144	0.138	0.127	0.000	0.109	0.103	0.095	0.000	0.083	0.076	0.067	0.058	0.048
0.153	0.138	0.128	0.124	0.116	0.106	0.099	0.092	0.086	0.080	0.075	0.068	0.058	0.051	0.041
0.121	0.116	0.109	0.103	0.000	0.089	0.081	0.075	0.070	0.065	0.000	0.054	0.048	0.041	0.034

Cycle 10 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								L313
16								I145
17							L321	
19							I121	
20								
22				L322	I122			
23	NS05	L314	I146					

Quarter Core Rotational Symmetry

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ASSEMBLY LABEL: NS01    SERIAL = NS01    IA,JA,K =  9,16,13   SEG TYPE/ROT  24/ 3
                        BATCH  =  24                           160 PINS
ASSEM RPF =  0.279  ASSEM RPD =  0.371 PLANAR RPD =  0.333  AVE/PEAK GWD/T =  2.36/ 3.66
 PEAK PIN =  0.649 MAX PIN XY =  0.582    MAX CHA =  0.562      PEAK KW/FT =       3.354
          @  15, 3           @  15, 3           @   14, 2      PEAK  W/CM =     110.051

 '2PXP' - PLANAR PIN POWERS  (K-PLANE = 1.0)              PEAK =   0.582  LOCATION = 15, 3

0.000: 0.000: 0.556: 0.520: 0.000: 0.431: 0.381: 0.343: 0.308: 0.280: 0.000: 0.217: 0.183: 0.000: 0.000:
0.000: 0.000: 0.518: 0.481: 0.447: 0.402: 0.362: 0.327: 0.293: 0.265: 0.237: 0.205: 0.175: 0.000: 0.000:
0.000: 0.000: 0.497: 0.458: 0.424: 0.388: 0.354: 0.321: 0.290: 0.260: 0.232: 0.201: 0.173: 0.000: 0.000:
0.000: 0.000: 0.485: 0.447: 0.414: 0.383: 0.351: 0.321: 0.291: 0.261: 0.231: 0.202: 0.174: 0.000: 0.000:
0.000: 0.000: 0.478: 0.441: 0.411: 0.381: 0.352: 0.323: 0.293: 0.263: 0.234: 0.205: 0.177: 0.000: 0.000:
0.000: 0.000: 0.472: 0.438: 0.410: 0.383: 0.356: 0.329: 0.298: 0.267: 0.237: 0.207: 0.178: 0.000: 0.000:
0.000: 0.000: 0.468: 0.437: 0.410: 0.385: 0.363: 0.341: 0.305: 0.270: 0.239: 0.208: 0.178: 0.000: 0.000:
0.000: 0.000: 0.468: 0.437: 0.412: 0.388: 0.372: 0.000: 0.312: 0.273: 0.240: 0.209: 0.179: 0.000: 0.000:
0.000: 0.000: 0.472: 0.440: 0.413: 0.388: 0.365: 0.343: 0.306: 0.271: 0.239: 0.209: 0.179: 0.000: 0.000:
0.000: 0.000: 0.480: 0.445: 0.415: 0.387: 0.360: 0.332: 0.300: 0.269: 0.238: 0.207: 0.178: 0.000: 0.000:
0.000: 0.000: 0.489: 0.452: 0.419: 0.389: 0.359: 0.328: 0.297: 0.266: 0.236: 0.205: 0.177: 0.000: 0.000:
0.000: 0.000: 0.501: 0.462: 0.428: 0.394: 0.360: 0.327: 0.295: 0.263: 0.233: 0.203: 0.174: 0.000: 0.000:
0.000: 0.000: 0.516: 0.479: 0.441: 0.402: 0.365: 0.328: 0.294: 0.262: 0.231: 0.200: 0.171: 0.000: 0.000:
0.000: 0.000: 0.542: 0.505: 0.467: 0.418: 0.371: 0.330: 0.293: 0.261: 0.231: 0.197: 0.166: 0.000: 0.000:
0.000: 0.000: 0.582: 0.543: 0.000: 0.439: 0.382: 0.334: 0.292: 0.257: 0.000: 0.189: 0.158: 0.000: 0.000:
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ASSEMBLY LABEL: L313 SERIAL = L313 IA,JA,K = 10,16,13 SEG TYPE/ROT 11/ 3
BATCH = 10 216 PINS
ASSEM RPF = 0.383 ASSEM RPD = 0.378 PLANAR RPD = 0.339 AVE/PEAK GWD/T = 31.67/37.76
PEAK PIN = 0.687 MAX PIN XY = 0.615 MAX CHA = 0.587 PEAK KW/FT = 3.549
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 116.446

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.615 LOCATION = 1, 1

0.615	0.586	0.548	0.519	0.000	0.450	0.412	0.381	0.352	0.329	0.000	0.272	0.238	0.203	0.154
0.595	0.550	0.512	0.504	0.470	0.432	0.396	0.365	0.334	0.307	0.281	0.250	0.209	0.180	0.147
0.582	0.536	0.383	0.486	0.447	0.413	0.381	0.252	0.318	0.288	0.259	0.234	0.151	0.170	0.143
0.583	0.561	0.517	0.477	0.438	0.403	0.370	0.340	0.308	0.279	0.251	0.226	0.200	0.175	0.143
0.000	0.562	0.509	0.470	0.433	0.398	0.366	0.334	0.304	0.274	0.247	0.221	0.195	0.173	0.000
0.579	0.554	0.509	0.467	0.429	0.397	0.364	0.334	0.302	0.273	0.243	0.218	0.193	0.170	0.141
0.568	0.549	0.509	0.466	0.429	0.395	0.369	0.340	0.306	0.271	0.242	0.216	0.192	0.167	0.138
0.565	0.548	0.366	0.467	0.427	0.394	0.371	0.000	0.306	0.270	0.240	0.215	0.137	0.166	0.136
0.564	0.545	0.504	0.462	0.425	0.391	0.364	0.335	0.301	0.266	0.238	0.212	0.188	0.164	0.135
0.571	0.546	0.500	0.458	0.421	0.388	0.355	0.324	0.293	0.264	0.235	0.209	0.185	0.163	0.135
0.000	0.548	0.497	0.456	0.419	0.383	0.351	0.319	0.289	0.259	0.233	0.207	0.183	0.162	0.000
0.567	0.541	0.497	0.455	0.416	0.380	0.348	0.318	0.286	0.257	0.230	0.205	0.181	0.158	0.131
0.557	0.508	0.359	0.453	0.413	0.378	0.346	0.227	0.284	0.254	0.226	0.202	0.130	0.146	0.126
0.555	0.504	0.463	0.450	0.416	0.376	0.340	0.309	0.278	0.251	0.226	0.198	0.163	0.141	0.121
0.550	0.507	0.463	0.430	0.000	0.357	0.319	0.288	0.259	0.236	0.000	0.184	0.157	0.135	0.112

ASSEMBLY LABEL: I145 SERIAL = I145 IA,JA,K = 11,16,13 SEG TYPE/ROT 7/ 3
BATCH = 6 208 PINS
ASSEM RPF = 0.228 ASSEM RPD = 0.234 PLANAR RPD = 0.210 AVE/PEAK GWD/T = 41.01/47.49
PEAK PIN = 0.560 MAX PIN XY = 0.502 MAX CHA = 0.469 PEAK KW/FT = 2.894
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 94.957

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.502 LOCATION = 1, 1

0.502	0.456	0.414	0.382	0.000	0.315	0.282	0.256	0.232	0.213	0.000	0.170	0.147	0.125	0.101
0.486	0.433	0.392	0.370	0.339	0.304	0.275	0.249	0.225	0.204	0.186	0.164	0.138	0.118	0.099
0.471	0.419	0.379	0.354	0.318	0.000	0.260	0.237	0.213	0.000	0.172	0.154	0.131	0.113	0.095
0.464	0.423	0.378	0.342	0.309	0.277	0.252	0.227	0.205	0.182	0.164	0.146	0.128	0.111	0.092
0.000	0.415	0.363	0.329	0.298	0.269	0.244	0.220	0.197	0.176	0.157	0.138	0.120	0.107	0.000
0.438	0.396	0.000	0.316	0.287	0.262	0.237	0.213	0.190	0.170	0.149	0.130	0.000	0.100	0.083
0.419	0.383	0.340	0.307	0.279	0.253	0.232	0.209	0.185	0.162	0.142	0.124	0.108	0.094	0.078
0.407	0.370	0.330	0.297	0.269	0.243	0.224	0.000	0.178	0.154	0.135	0.118	0.103	0.089	0.074
0.396	0.359	0.318	0.285	0.258	0.232	0.211	0.190	0.167	0.146	0.128	0.111	0.097	0.085	0.070
0.389	0.349	0.000	0.272	0.244	0.221	0.197	0.175	0.155	0.137	0.119	0.104	0.000	0.080	0.067
0.000	0.340	0.294	0.263	0.233	0.206	0.185	0.163	0.144	0.127	0.112	0.098	0.086	0.076	0.000
0.361	0.324	0.284	0.251	0.221	0.193	0.172	0.152	0.134	0.117	0.104	0.092	0.080	0.071	0.060
0.340	0.296	0.261	0.237	0.207	0.000	0.159	0.141	0.123	0.000	0.095	0.084	0.072	0.063	0.054
0.319	0.280	0.246	0.225	0.198	0.171	0.149	0.130	0.114	0.100	0.089	0.077	0.065	0.057	0.049
0.294	0.263	0.232	0.206	0.000	0.156	0.133	0.115	0.100	0.088	0.000	0.067	0.058	0.050	0.042

ASSEMBLY LABEL: L321 SERIAL = L321 IA,JA,K = 12.15.13 SEG TYPE/ROT 10/ 3
BATCH = 10 216 PINS
ASSEM RPF = 0.535 ASSEM RPD = 0.528 PLANAR RPD = 0.473 AVE/PEAK GWD/T = 31.77/37.39
PEAK PIN = 0.969 MAX PIN XY = 0.868 MAX CHA = 0.841 PEAK KW/FT = 5.006
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 164.246

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.868 LOCATION = 1, 1

0.868	0.835	0.796	0.767	0.000	0.696	0.653	0.621	0.589	0.565	0.000	0.495	0.450	0.410	0.359
0.862	0.800	0.760	0.764	0.729	0.687	0.648	0.617	0.581	0.551	0.521	0.482	0.419	0.380	0.344
0.839	0.779	0.560	0.730	0.688	0.650	0.620	0.420	0.551	0.516	0.484	0.450	0.299	0.357	0.321
0.825	0.800	0.747	0.698	0.656	0.620	0.587	0.556	0.521	0.487	0.454	0.422	0.389	0.355	0.304
0.000	0.780	0.719	0.670	0.630	0.593	0.560	0.528	0.494	0.461	0.429	0.397	0.365	0.335	0.000
0.778	0.748	0.694	0.646	0.605	0.570	0.538	0.507	0.473	0.440	0.406	0.375	0.343	0.312	0.265
0.745	0.719	0.673	0.624	0.583	0.549	0.523	0.497	0.458	0.420	0.386	0.356	0.325	0.291	0.244
0.720	0.697	0.465	0.604	0.562	0.528	0.509	0.000	0.443	0.401	0.368	0.339	0.221	0.275	0.229
0.696	0.671	0.625	0.578	0.539	0.505	0.479	0.455	0.417	0.381	0.350	0.321	0.292	0.259	0.215
0.679	0.651	0.599	0.555	0.516	0.482	0.452	0.423	0.392	0.362	0.332	0.304	0.275	0.247	0.206
0.000	0.630	0.577	0.534	0.495	0.462	0.432	0.403	0.373	0.345	0.317	0.289	0.263	0.236	0.000
0.626	0.602	0.557	0.514	0.478	0.445	0.415	0.389	0.359	0.331	0.304	0.278	0.252	0.224	0.184
0.592	0.544	0.387	0.498	0.462	0.430	0.403	0.269	0.348	0.320	0.294	0.268	0.175	0.201	0.172
0.565	0.520	0.487	0.481	0.452	0.418	0.387	0.361	0.334	0.311	0.288	0.260	0.220	0.191	0.161
0.534	0.506	0.475	0.449	0.000	0.392	0.361	0.336	0.313	0.292	0.000	0.244	0.215	0.186	0.147

ASSEMBLY LABEL: I121 SERIAL = I121 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 208 PINS
ASSEM RPF = 0.187 ASSEM RPD = 0.191 PLANAR RPD = 0.171 AVE/PEAK GWD/T = 41.37/45.78
PEAK PIN = 0.536 MAX PIN XY = 0.480 MAX CHA = 0.443 PEAK KW/FT = 2.770
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 90.887

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.480 LOCATION = 1, 1

0.480	0.445	0.414	0.390	0.000	0.334	0.306	0.282	0.259	0.241	0.000	0.198	0.174	0.150	0.120
0.446	0.402	0.371	0.357	0.332	0.303	0.278	0.256	0.236	0.217	0.200	0.179	0.154	0.133	0.113
0.417	0.373	0.341	0.325	0.297	0.000	0.251	0.232	0.212	0.000	0.177	0.161	0.139	0.122	0.106
0.394	0.360	0.326	0.298	0.274	0.250	0.232	0.213	0.196	0.177	0.162	0.147	0.131	0.117	0.099
0.000	0.336	0.300	0.275	0.252	0.233	0.215	0.199	0.181	0.165	0.149	0.134	0.120	0.108	0.000
0.341	0.308	0.000	0.252	0.234	0.217	0.201	0.185	0.169	0.153	0.138	0.123	0.000	0.098	0.083
0.313	0.284	0.256	0.235	0.217	0.202	0.189	0.176	0.159	0.142	0.128	0.114	0.101	0.090	0.076
0.290	0.263	0.237	0.217	0.201	0.187	0.176	0.000	0.148	0.132	0.118	0.105	0.093	0.083	0.070
0.268	0.243	0.218	0.200	0.185	0.172	0.160	0.149	0.135	0.121	0.108	0.097	0.086	0.076	0.064
0.250	0.225	0.000	0.182	0.169	0.156	0.144	0.133	0.121	0.110	0.099	0.088	0.000	0.070	0.060
0.000	0.209	0.184	0.168	0.154	0.141	0.130	0.120	0.109	0.099	0.090	0.081	0.073	0.065	0.000
0.209	0.188	0.169	0.153	0.139	0.127	0.117	0.107	0.099	0.089	0.082	0.074	0.066	0.059	0.050
0.185	0.163	0.147	0.138	0.125	0.000	0.105	0.096	0.088	0.000	0.074	0.067	0.058	0.051	0.045
0.161	0.143	0.130	0.124	0.114	0.103	0.094	0.086	0.079	0.073	0.067	0.060	0.052	0.046	0.039
0.131	0.123	0.114	0.106	0.000	0.089	0.080	0.074	0.068	0.063	0.000	0.052	0.046	0.040	0.034

ASSEMBLY LABEL: I122 SERIAL = I122 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 208 PINS
ASSEM RPF = 0.185 ASSEM RPD = 0.190 PLANAR RPD = 0.170 AVE/PEAK GWD/T = 41.37/45.82
PEAK PIN = 0.531 MAX PIN XY = 0.476 MAX CHA = 0.439 PEAK KW/FT = 2.746
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 90.082

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.476 LOCATION = 1, 1

0.476	0.443	0.414	0.391	0.000	0.339	0.311	0.288	0.267	0.249	0.000	0.208	0.184	0.160	0.130
0.440	0.398	0.370	0.357	0.334	0.306	0.282	0.261	0.242	0.224	0.208	0.188	0.162	0.142	0.122
0.410	0.368	0.338	0.324	0.297	0.000	0.254	0.236	0.217	0.000	0.184	0.168	0.146	0.130	0.114
0.385	0.353	0.322	0.296	0.273	0.250	0.233	0.216	0.199	0.181	0.167	0.152	0.138	0.124	0.106
0.000	0.329	0.294	0.271	0.250	0.232	0.216	0.200	0.183	0.168	0.153	0.139	0.125	0.114	0.000
0.330	0.300	0.000	0.248	0.231	0.215	0.201	0.186	0.170	0.155	0.140	0.126	0.000	0.102	0.089
0.302	0.275	0.249	0.230	0.214	0.200	0.187	0.175	0.159	0.143	0.130	0.117	0.104	0.094	0.080
0.278	0.253	0.230	0.211	0.197	0.184	0.174	0.000	0.148	0.132	0.119	0.107	0.096	0.086	0.074
0.256	0.233	0.210	0.194	0.179	0.168	0.157	0.147	0.134	0.120	0.109	0.098	0.087	0.079	0.067
0.238	0.214	0.000	0.175	0.163	0.152	0.141	0.131	0.120	0.109	0.099	0.089	0.000	0.072	0.063
0.000	0.198	0.176	0.160	0.148	0.136	0.127	0.117	0.107	0.098	0.089	0.081	0.073	0.067	0.000
0.195	0.177	0.159	0.145	0.133	0.121	0.113	0.104	0.096	0.087	0.081	0.073	0.067	0.060	0.052
0.171	0.152	0.138	0.130	0.119	0.000	0.100	0.093	0.085	0.000	0.072	0.066	0.058	0.052	0.046
0.147	0.132	0.121	0.116	0.107	0.097	0.089	0.082	0.076	0.070	0.065	0.059	0.051	0.045	0.040
0.118	0.111	0.104	0.098	0.000	0.083	0.075	0.069	0.064	0.060	0.000	0.050	0.044	0.039	0.033

ASSEMBLY LABEL: L322 SERIAL = L322 IA,JA,K = 15,12,13 SEG TYPE/ROT 10/ 1
BATCH = 10 216 PINS
ASSEM RPF = 0.530 ASSEM RPD = 0.523 PLANAR RPD = 0.468 AVE/PEAK GWD/T = 31.76/37.39
PEAK PIN = 0.957 MAX PIN XY = 0.857 MAX CHA = 0.831 PEAK KW/FT = 4.944
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 162.200

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.857 LOCATION = 1, 1

0.857	0.852	0.830	0.817	0.000	0.771	0.738	0.714	0.690	0.673	0.000	0.621	0.588	0.561	0.530
0.825	0.790	0.770	0.792	0.772	0.741	0.712	0.690	0.665	0.645	0.625	0.597	0.540	0.516	0.503
0.786	0.751	0.554	0.739	0.711	0.687	0.666	0.461	0.619	0.594	0.571	0.553	0.383	0.483	0.471
0.758	0.755	0.722	0.691	0.663	0.639	0.618	0.598	0.572	0.549	0.529	0.510	0.494	0.477	0.446
0.000	0.721	0.680	0.648	0.623	0.599	0.577	0.556	0.533	0.511	0.491	0.474	0.458	0.448	0.000
0.688	0.679	0.642	0.613	0.586	0.564	0.543	0.523	0.500	0.478	0.458	0.441	0.426	0.415	0.389
0.645	0.640	0.613	0.581	0.554	0.532	0.518	0.503	0.474	0.448	0.428	0.412	0.399	0.384	0.358
0.613	0.610	0.415	0.550	0.522	0.502	0.492	0.000	0.450	0.419	0.399	0.385	0.266	0.358	0.334
0.582	0.574	0.545	0.515	0.489	0.468	0.453	0.438	0.413	0.389	0.370	0.356	0.345	0.331	0.310
0.559	0.545	0.510	0.482	0.456	0.435	0.415	0.397	0.377	0.358	0.342	0.328	0.317	0.308	0.290
0.000	0.515	0.478	0.449	0.424	0.402	0.382	0.364	0.346	0.329	0.314	0.301	0.291	0.285	0.000
0.490	0.477	0.446	0.417	0.392	0.371	0.352	0.335	0.317	0.301	0.287	0.275	0.266	0.258	0.242
0.445	0.415	0.296	0.385	0.361	0.340	0.322	0.219	0.289	0.273	0.260	0.250	0.173	0.218	0.213
0.406	0.376	0.354	0.351	0.331	0.309	0.288	0.273	0.257	0.245	0.234	0.222	0.199	0.189	0.184
0.355	0.340	0.318	0.301	0.000	0.262	0.242	0.227	0.213	0.204	0.000	0.182	0.170	0.159	0.145

ASSEMBLY LABEL: I146 SERIAL = I146 IA,JA,K = 16,11,13 SEG TYPE/ROT 7/ 0
BATCH = 6 208 PINS
ASSEM RPF = 0.227 ASSEM RPD = 0.232 PLANAR RPD = 0.208 AVE/PEAK GWD/T = 41.03/45.75
PEAK PIN = 0.553 MAX PIN XY = 0.496 MAX CHA = 0.463 PEAK KW/FT = 2.860
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 93.828

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.496 LOCATION = 1, 1

0.496	0.479	0.466	0.460	0.000	0.434	0.416	0.403	0.392	0.385	0.000	0.358	0.337	0.317	0.291
0.450	0.429	0.415	0.419	0.410	0.393	0.379	0.367	0.356	0.345	0.338	0.321	0.293	0.277	0.262
0.409	0.388	0.375	0.376	0.360	0.000	0.337	0.327	0.314	0.000	0.291	0.280	0.259	0.244	0.232
0.378	0.368	0.352	0.340	0.328	0.314	0.305	0.294	0.283	0.269	0.259	0.247	0.234	0.223	0.205
0.000	0.338	0.317	0.307	0.297	0.285	0.277	0.266	0.255	0.242	0.230	0.218	0.204	0.196	0.000
0.313	0.303	0.000	0.276	0.268	0.261	0.251	0.241	0.230	0.218	0.204	0.191	0.000	0.169	0.155
0.281	0.274	0.260	0.251	0.244	0.236	0.230	0.222	0.209	0.194	0.182	0.169	0.157	0.147	0.133
0.255	0.249	0.237	0.228	0.220	0.213	0.208	0.000	0.188	0.173	0.161	0.149	0.138	0.128	0.115
0.231	0.226	0.213	0.205	0.197	0.190	0.185	0.177	0.166	0.153	0.142	0.132	0.121	0.112	0.100
0.212	0.204	0.000	0.183	0.176	0.169	0.161	0.153	0.144	0.135	0.125	0.115	0.000	0.099	0.089
0.000	0.186	0.172	0.164	0.157	0.149	0.142	0.134	0.126	0.118	0.111	0.102	0.094	0.088	0.000
0.169	0.164	0.154	0.146	0.139	0.130	0.124	0.117	0.111	0.103	0.097	0.091	0.083	0.077	0.068
0.145	0.138	0.131	0.128	0.121	0.000	0.108	0.102	0.096	0.000	0.085	0.080	0.071	0.065	0.059
0.123	0.118	0.113	0.111	0.107	0.100	0.094	0.089	0.084	0.080	0.076	0.070	0.062	0.057	0.051
0.100	0.098	0.095	0.092	0.000	0.083	0.078	0.074	0.070	0.067	0.000	0.060	0.054	0.049	0.043

ASSEMBLY LABEL: L314 SERIAL = L314 IA,JA,K = 16,10,13 SEG TYPE/ROT 11/ 0
BATCH = 10 216 PINS
ASSEM RPF = 0.378 ASSEM RPD = 0.373 PLANAR RPD = 0.334 AVE/PEAK GWD/T = 31.66/37.70
PEAK PIN = 0.663 MAX PIN XY = 0.594 MAX CHA = 0.570 PEAK KW/FT = 3.425
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 112.366

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.594 LOCATION = 1, 1

0.594	0.583	0.574	0.578	0.000	0.574	0.563	0.561	0.560	0.566	0.000	0.561	0.552	0.551	0.547
0.564	0.538	0.529	0.555	0.556	0.550	0.544	0.542	0.539	0.539	0.542	0.535	0.502	0.500	0.505
0.528	0.502	0.378	0.513	0.506	0.504	0.504	0.362	0.499	0.494	0.489	0.489	0.355	0.458	0.461
0.500	0.494	0.481	0.473	0.467	0.463	0.462	0.462	0.456	0.452	0.449	0.448	0.446	0.444	0.426
0.000	0.462	0.442	0.435	0.431	0.427	0.426	0.423	0.419	0.415	0.412	0.409	0.406	0.409	0.000
0.433	0.424	0.409	0.400	0.396	0.395	0.392	0.390	0.386	0.382	0.377	0.374	0.372	0.371	0.354
0.395	0.389	0.377	0.369	0.365	0.362	0.366	0.367	0.360	0.350	0.346	0.342	0.340	0.335	0.317
0.364	0.358	0.250	0.339	0.333	0.332	0.338	0.000	0.332	0.320	0.314	0.312	0.223	0.304	0.286
0.336	0.327	0.316	0.307	0.303	0.301	0.304	0.304	0.298	0.289	0.285	0.281	0.279	0.274	0.258
0.312	0.299	0.286	0.278	0.273	0.272	0.270	0.268	0.264	0.261	0.256	0.253	0.250	0.248	0.235
0.000	0.273	0.257	0.250	0.247	0.243	0.242	0.239	0.236	0.232	0.230	0.227	0.223	0.223	0.000
0.255	0.243	0.231	0.225	0.220	0.218	0.216	0.214	0.211	0.208	0.205	0.203	0.200	0.196	0.185
0.222	0.202	0.149	0.199	0.195	0.193	0.192	0.137	0.187	0.184	0.181	0.179	0.128	0.163	0.160
0.189	0.174	0.167	0.173	0.172	0.170	0.167	0.166	0.163	0.162	0.161	0.157	0.145	0.141	0.137
0.147	0.143	0.141	0.141	0.000	0.140	0.137	0.135	0.134	0.135	0.000	0.130	0.125	0.121	0.113

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 24/ 0
BATCH = 24 160 PINS
ASSEM RPF = 0.277 ASSEM RPD = 0.369 PLANAR RPD = 0.330 AVE/PEAK GWD/T = 2.36/ 3.72
PEAK PIN = 0.651 MAX PIN XY = 0.583 MAX CHA = 0.558 PEAK KW/FT = 3.362
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 110.304

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.583 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.583	0.534	0.505	0.491	0.480	0.473	0.468	0.466	0.469	0.475	0.482	0.489	0.498	0.512	0.531
0.544	0.496	0.469	0.452	0.444	0.439	0.436	0.436	0.437	0.440	0.444	0.450	0.459	0.475	0.496
0.000	0.461	0.433	0.420	0.413	0.410	0.410	0.410	0.410	0.411	0.413	0.416	0.424	0.440	0.000
0.445	0.414	0.396	0.387	0.383	0.383	0.385	0.387	0.385	0.384	0.383	0.385	0.387	0.394	0.406
0.390	0.369	0.360	0.355	0.355	0.357	0.363	0.371	0.364	0.357	0.354	0.353	0.353	0.353	0.355
0.345	0.331	0.325	0.324	0.325	0.329	0.341	0.000	0.341	0.330	0.325	0.322	0.319	0.317	0.314
0.306	0.295	0.293	0.293	0.295	0.299	0.305	0.312	0.306	0.299	0.295	0.291	0.288	0.283	0.278
0.273	0.264	0.261	0.262	0.265	0.268	0.271	0.274	0.271	0.269	0.265	0.262	0.257	0.254	0.249
0.000	0.235	0.231	0.232	0.235	0.237	0.240	0.241	0.240	0.238	0.236	0.232	0.229	0.226	0.000
0.204	0.201	0.200	0.202	0.205	0.208	0.210	0.210	0.210	0.209	0.207	0.203	0.199	0.195	0.189
0.169	0.169	0.171	0.174	0.177	0.179	0.180	0.180	0.180	0.180	0.179	0.176	0.171	0.166	0.159
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Cycle 11 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								M445
16								L313
17							M221	
19							L202	
20								
22				M222	L133			
23	NS05	M446	L314					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 19/ 3
BATCH = 19 160 PINS
ASSEM RPF = 0.247 ASSEM RPD = 0.329 PLANAR RPD = 0.305 AVE/PEAK GWD/T = 6.55/ 8.59
PEAK PIN = 0.582 MAX PIN XY = 0.540 MAX CHA = 0.522 PEAK KW/FT = 2.952
@ 15, 3 @ 15, 3 @ 14, 2 PEAK W/CM = 96.865

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.540 LOCATION = 15, 3

0.000	0.000	0.528	0.487	0.000	0.403	0.357	0.322	0.291	0.266	0.000	0.212	0.185	0.000	0.000
0.000	0.000	0.479	0.439	0.407	0.367	0.331	0.301	0.272	0.248	0.225	0.199	0.175	0.000	0.000
0.000	0.000	0.453	0.412	0.381	0.349	0.321	0.293	0.267	0.242	0.219	0.194	0.173	0.000	0.000
0.000	0.000	0.437	0.398	0.369	0.343	0.316	0.291	0.267	0.243	0.219	0.195	0.175	0.000	0.000
0.000	0.000	0.428	0.390	0.364	0.339	0.316	0.293	0.269	0.245	0.221	0.198	0.177	0.000	0.000
0.000	0.000	0.421	0.387	0.362	0.340	0.319	0.297	0.273	0.248	0.224	0.200	0.179	0.000	0.000
0.000	0.000	0.418	0.385	0.362	0.342	0.325	0.308	0.279	0.251	0.225	0.201	0.179	0.000	0.000
0.000	0.000	0.418	0.386	0.364	0.345	0.333	0.000	0.285	0.253	0.226	0.202	0.180	0.000	0.000
0.000	0.000	0.423	0.390	0.366	0.345	0.328	0.310	0.280	0.251	0.226	0.201	0.180	0.000	0.000
0.000	0.000	0.432	0.396	0.370	0.346	0.324	0.301	0.275	0.249	0.224	0.199	0.178	0.000	0.000
0.000	0.000	0.445	0.405	0.375	0.349	0.324	0.298	0.272	0.246	0.222	0.197	0.176	0.000	0.000
0.000	0.000	0.460	0.416	0.385	0.354	0.325	0.297	0.270	0.244	0.218	0.194	0.173	0.000	0.000
0.000	0.000	0.477	0.434	0.398	0.363	0.330	0.298	0.269	0.241	0.215	0.189	0.168	0.000	0.000
0.000	0.000	0.503	0.460	0.423	0.378	0.335	0.299	0.266	0.238	0.213	0.184	0.161	0.000	0.000
0.000	0.000	0.540	0.495	0.000	0.396	0.344	0.300	0.262	0.232	0.000	0.173	0.149	0.000	0.000

ASSEMBLY LABEL: M445 SERIAL = M445 IA,JA,K = 10,16,13 SEG TYPE/ROT 12/ 3
BATCH = 12 216 PINS
ASSEM RPF = 0.364 ASSEM RPD = 0.359 PLANAR RPD = 0.333 AVE/PEAK GWD/T = 28.90/31.77
PEAK PIN = 0.662 MAX PIN XY = 0.614 MAX CHA = 0.576 PEAK KW/FT = 3.361
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 110.268

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.614 LOCATION = 1, 1

0.614	0.570	0.527	0.495	0.000	0.421	0.382	0.350	0.323	0.301	0.000	0.247	0.216	0.185	0.144
0.585	0.535	0.510	0.473	0.439	0.399	0.361	0.329	0.300	0.276	0.252	0.223	0.196	0.164	0.136
0.573	0.541	0.501	0.490	0.447	0.408	0.371	0.336	0.305	0.277	0.249	0.223	0.185	0.161	0.133
0.579	0.543	0.530	0.401	0.442	0.400	0.363	0.329	0.297	0.268	0.242	0.179	0.191	0.158	0.133
0.000	0.548	0.526	0.482	0.438	0.397	0.361	0.326	0.294	0.264	0.238	0.212	0.187	0.157	0.000
0.578	0.541	0.525	0.478	0.435	0.397	0.359	0.326	0.293	0.263	0.234	0.208	0.185	0.154	0.131
0.566	0.534	0.522	0.475	0.434	0.395	0.365	0.333	0.297	0.261	0.233	0.206	0.183	0.151	0.128
0.561	0.530	0.518	0.473	0.431	0.394	0.367	0.000	0.298	0.261	0.231	0.205	0.181	0.149	0.126
0.558	0.527	0.515	0.469	0.428	0.391	0.361	0.330	0.293	0.258	0.230	0.204	0.180	0.148	0.126
0.562	0.527	0.511	0.465	0.423	0.387	0.351	0.318	0.286	0.257	0.228	0.203	0.180	0.149	0.126
0.000	0.525	0.504	0.461	0.420	0.381	0.347	0.314	0.283	0.254	0.228	0.203	0.179	0.149	0.000
0.545	0.511	0.498	0.456	0.416	0.378	0.343	0.311	0.281	0.253	0.227	0.167	0.178	0.146	0.124
0.528	0.499	0.460	0.450	0.412	0.376	0.341	0.309	0.280	0.253	0.226	0.202	0.166	0.144	0.120
0.521	0.477	0.454	0.421	0.390	0.353	0.319	0.289	0.262	0.238	0.216	0.190	0.165	0.138	0.117
0.524	0.482	0.444	0.414	0.000	0.348	0.312	0.283	0.257	0.236	0.000	0.187	0.161	0.138	0.113

ASSEMBLY LABEL: L313 SERIAL = L313 IA,JA,K = 11,16,13 SEG TYPE/ROT 8/ 0
BATCH = 8 203 PINS
ASSEM RPF = 0.222 ASSEM RPD = 0.233 PLANAR RPD = 0.216 AVE/PEAK GWD/T = 35.24/44.79
PEAK PIN = 0.474 MAX PIN XY = 0.440 MAX CHA = 0.421 PEAK KW/FT = 2.407
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 78.976

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.440 LOCATION = 2, 1

0.000	0.418	0.383	0.360	0.000	0.307	0.278	0.254	0.232	0.213	0.000	0.171	0.148	0.129	0.000
0.440	0.404	0.373	0.364	0.340	0.311	0.285	0.261	0.239	0.218	0.198	0.176	0.147	0.128	0.000
0.423	0.391	0.290	0.354	0.326	0.302	0.279	0.192	0.234	0.212	0.191	0.172	0.115	0.125	0.104
0.415	0.398	0.370	0.343	0.317	0.292	0.269	0.249	0.226	0.205	0.185	0.167	0.147	0.127	0.102
0.000	0.389	0.356	0.331	0.306	0.282	0.261	0.239	0.218	0.198	0.179	0.160	0.142	0.124	0.000
0.388	0.373	0.344	0.318	0.294	0.273	0.252	0.231	0.211	0.191	0.172	0.154	0.136	0.118	0.094
0.369	0.358	0.333	0.307	0.284	0.262	0.246	0.227	0.206	0.183	0.165	0.148	0.131	0.113	0.089
0.356	0.345	0.240	0.296	0.272	0.252	0.237	0.000	0.198	0.175	0.157	0.141	0.092	0.107	0.085
0.343	0.331	0.307	0.282	0.259	0.239	0.223	0.206	0.186	0.165	0.148	0.133	0.118	0.102	0.081
0.335	0.320	0.293	0.269	0.247	0.227	0.207	0.189	0.172	0.155	0.139	0.124	0.110	0.096	0.077
0.000	0.309	0.279	0.256	0.234	0.213	0.195	0.177	0.160	0.144	0.130	0.116	0.103	0.091	0.000
0.307	0.293	0.267	0.243	0.221	0.200	0.181	0.165	0.148	0.133	0.119	0.107	0.095	0.084	0.000
0.289	0.264	0.191	0.229	0.206	0.186	0.168	0.112	0.136	0.121	0.108	0.097	0.064	0.073	0.000
0.277	0.252	0.227	0.214	0.193	0.172	0.152	0.136	0.120	0.108	0.097	0.086	0.074	0.000	0.000
0.000	0.000	0.212	0.190	0.000	0.149	0.129	0.113	0.099	0.088	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M221 SERIAL = M221 IA,JA,K = 12,15,13 SEG TYPE/ROT 10/ 3
BATCH = 10 216 PINS
ASSEM RPF = 0.417 ASSEM RPD = 0.411 PLANAR RPD = 0.381 AVE/PEAK GWD/T = 30.72/34.04
PEAK PIN = 0.776 MAX PIN XY = 0.720 MAX CHA = 0.684 PEAK KW/FT = 3.937
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 129.167

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.720 LOCATION = 1, 1

0.720	0.670	0.630	0.602	0.000	0.534	0.494	0.465	0.439	0.420	0.000	0.367	0.334	0.306	0.275
0.707	0.641	0.619	0.587	0.557	0.517	0.480	0.451	0.423	0.402	0.380	0.349	0.318	0.282	0.258
0.692	0.646	0.601	0.599	0.468	0.524	0.489	0.457	0.428	0.402	0.314	0.347	0.299	0.273	0.240
0.685	0.637	0.623	0.579	0.538	0.502	0.468	0.437	0.408	0.381	0.354	0.327	0.300	0.258	0.227
0.000	0.626	0.506	0.560	0.519	0.482	0.450	0.419	0.390	0.362	0.335	0.309	0.237	0.245	0.000
0.651	0.601	0.586	0.540	0.500	0.466	0.434	0.405	0.375	0.346	0.318	0.292	0.267	0.227	0.196
0.622	0.576	0.565	0.522	0.482	0.450	0.424	0.399	0.365	0.331	0.303	0.277	0.251	0.210	0.179
0.601	0.557	0.546	0.503	0.467	0.435	0.415	0.000	0.355	0.318	0.290	0.263	0.238	0.198	0.168
0.582	0.539	0.528	0.486	0.450	0.418	0.393	0.369	0.336	0.304	0.277	0.251	0.227	0.188	0.157
0.570	0.527	0.512	0.470	0.433	0.402	0.373	0.345	0.318	0.291	0.266	0.241	0.217	0.181	0.151
0.000	0.512	0.412	0.455	0.419	0.387	0.358	0.331	0.305	0.280	0.256	0.232	0.174	0.174	0.000
0.524	0.486	0.475	0.438	0.406	0.374	0.346	0.319	0.295	0.271	0.248	0.224	0.200	0.165	0.136
0.494	0.461	0.427	0.424	0.328	0.364	0.336	0.310	0.287	0.265	0.202	0.218	0.182	0.157	0.127
0.474	0.431	0.413	0.388	0.365	0.336	0.308	0.285	0.264	0.245	0.227	0.202	0.178	0.148	0.121
0.463	0.429	0.400	0.378	0.000	0.329	0.301	0.279	0.259	0.243	0.000	0.200	0.175	0.149	0.116

ASSEMBLY LABEL: L202 SERIAL = L202 IA,JA,K = 13,15,13 SEG TYPE/ROT 7/ 0
BATCH = 7 203 PINS
ASSEM RPF = 0.156 ASSEM RPD = 0.164 PLANAR RPD = 0.152 AVE/PEAK GWD/T = 41.60/48.28
PEAK PIN = 0.400 MAX PIN XY = 0.371 MAX CHA = 0.359 PEAK KW/FT = 2.028
@ 2, 1 @ 2, 1 @ 1, 1 PEAK W/CM = 66.534

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.371 LOCATION = 2, 1

0.000	0.370	0.342	0.323	0.000	0.279	0.254	0.234	0.214	0.198	0.000	0.160	0.140	0.122	0.000
0.371	0.336	0.311	0.302	0.282	0.260	0.238	0.220	0.201	0.184	0.168	0.150	0.128	0.112	0.000
0.344	0.312	0.278	0.280	0.259	0.240	0.222	0.189	0.188	0.171	0.155	0.139	0.114	0.104	0.089
0.326	0.303	0.281	0.260	0.241	0.223	0.206	0.190	0.174	0.159	0.144	0.130	0.115	0.101	0.083
0.000	0.285	0.261	0.242	0.223	0.207	0.192	0.177	0.162	0.148	0.134	0.121	0.108	0.095	0.000
0.283	0.263	0.242	0.224	0.208	0.193	0.179	0.165	0.151	0.138	0.125	0.112	0.100	0.088	0.072
0.259	0.242	0.225	0.208	0.193	0.179	0.168	0.157	0.143	0.129	0.116	0.105	0.093	0.081	0.065
0.239	0.224	0.192	0.193	0.179	0.166	0.157	0.000	0.134	0.120	0.108	0.097	0.080	0.075	0.060
0.220	0.206	0.191	0.177	0.164	0.153	0.143	0.134	0.122	0.110	0.100	0.090	0.080	0.069	0.055
0.204	0.189	0.175	0.162	0.150	0.140	0.130	0.120	0.110	0.101	0.092	0.083	0.073	0.064	0.052
0.000	0.173	0.159	0.147	0.137	0.127	0.118	0.109	0.100	0.092	0.084	0.075	0.067	0.059	0.000
0.166	0.155	0.143	0.133	0.123	0.114	0.106	0.098	0.091	0.083	0.076	0.068	0.061	0.054	0.000
0.145	0.132	0.118	0.119	0.110	0.102	0.095	0.081	0.081	0.074	0.067	0.061	0.050	0.047	0.000
0.127	0.117	0.108	0.104	0.097	0.090	0.082	0.076	0.070	0.065	0.060	0.054	0.047	0.000	0.000
0.000	0.000	0.092	0.086	0.000	0.074	0.067	0.062	0.056	0.052	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: L133 SERIAL = L133 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 203 PINS
ASSEM RPF = 0.152 ASSEM RPD = 0.159 PLANAR RPD = 0.148 AVE/PEAK GWD/T = 42.28/49.66
PEAK PIN = 0.395 MAX PIN XY = 0.366 MAX CHA = 0.354 PEAK KW/FT = 2.003
@ 1, 2 @ 1, 2 @ 1, 1 PEAK W/CM = 65.728

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.366 LOCATION = 1, 2

0.000	0.366	0.338	0.320	0.000	0.277	0.253	0.233	0.214	0.198	0.000	0.162	0.142	0.125	0.000
0.366	0.329	0.304	0.295	0.276	0.255	0.234	0.216	0.198	0.183	0.168	0.150	0.128	0.113	0.000
0.337	0.303	0.281	0.271	0.252	0.234	0.216	0.199	0.183	0.168	0.153	0.138	0.118	0.104	0.090
0.318	0.293	0.270	0.250	0.233	0.216	0.200	0.185	0.170	0.155	0.141	0.128	0.114	0.101	0.084
0.000	0.274	0.251	0.232	0.215	0.200	0.185	0.171	0.157	0.144	0.131	0.118	0.106	0.094	0.000
0.273	0.252	0.232	0.215	0.199	0.185	0.172	0.159	0.147	0.134	0.122	0.110	0.098	0.086	0.072
0.249	0.231	0.214	0.198	0.185	0.172	0.161	0.151	0.138	0.124	0.113	0.102	0.091	0.079	0.065
0.229	0.213	0.197	0.183	0.170	0.159	0.151	0.000	0.128	0.115	0.105	0.094	0.084	0.073	0.060
0.210	0.195	0.181	0.168	0.156	0.146	0.137	0.128	0.117	0.106	0.096	0.087	0.078	0.067	0.055
0.194	0.179	0.165	0.153	0.143	0.133	0.124	0.115	0.106	0.097	0.088	0.080	0.071	0.063	0.051
0.000	0.164	0.150	0.139	0.130	0.121	0.112	0.104	0.096	0.088	0.081	0.073	0.065	0.058	0.000
0.158	0.147	0.135	0.126	0.117	0.109	0.101	0.094	0.087	0.080	0.073	0.066	0.059	0.053	0.000
0.138	0.125	0.116	0.112	0.105	0.097	0.090	0.084	0.077	0.071	0.065	0.059	0.051	0.046	0.000
0.121	0.110	0.102	0.099	0.093	0.086	0.079	0.073	0.067	0.063	0.058	0.053	0.046	0.000	0.000
0.000	0.000	0.088	0.083	0.000	0.072	0.065	0.060	0.055	0.051	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M222 SERIAL = M222 IA,JA,K = 15,12,13 SEG TYPE/ROT 10/ 1
BATCH = 10 216 PINS
ASSEM RPF = 0.416 ASSEM RPD = 0.410 PLANAR RPD = 0.380 AVE/PEAK GWD/T = 30.50/33.88
PEAK PIN = 0.783 MAX PIN XY = 0.726 MAX CHA = 0.690 PEAK KW/FT = 3.972
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 130.320

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.726 LOCATION = 1, 1

0.726	0.713	0.697	0.690	0.000	0.654	0.625	0.603	0.584	0.571	0.000	0.524	0.494	0.474	0.462
0.674	0.645	0.650	0.640	0.630	0.604	0.578	0.559	0.540	0.527	0.512	0.486	0.460	0.430	0.428
0.632	0.621	0.604	0.626	0.507	0.588	0.566	0.547	0.529	0.512	0.412	0.474	0.426	0.411	0.398
0.603	0.588	0.601	0.580	0.561	0.541	0.522	0.504	0.486	0.470	0.454	0.437	0.422	0.387	0.376
0.000	0.557	0.468	0.539	0.520	0.500	0.483	0.466	0.449	0.433	0.417	0.405	0.327	0.363	0.000
0.532	0.516	0.524	0.502	0.482	0.466	0.450	0.434	0.417	0.400	0.385	0.373	0.362	0.334	0.327
0.491	0.478	0.488	0.467	0.449	0.434	0.424	0.414	0.392	0.371	0.357	0.344	0.334	0.306	0.299
0.461	0.448	0.455	0.435	0.418	0.404	0.398	0.000	0.368	0.344	0.329	0.318	0.308	0.283	0.277
0.434	0.420	0.425	0.406	0.388	0.373	0.363	0.353	0.334	0.316	0.303	0.293	0.285	0.261	0.257
0.414	0.397	0.399	0.378	0.360	0.344	0.330	0.317	0.303	0.290	0.278	0.270	0.263	0.243	0.240
0.000	0.374	0.310	0.351	0.332	0.316	0.301	0.288	0.276	0.264	0.255	0.247	0.200	0.225	0.000
0.358	0.343	0.342	0.323	0.306	0.290	0.275	0.262	0.250	0.240	0.231	0.223	0.217	0.201	0.198
0.324	0.311	0.293	0.296	0.234	0.264	0.249	0.236	0.226	0.216	0.173	0.199	0.181	0.176	0.173
0.295	0.273	0.266	0.253	0.241	0.224	0.209	0.197	0.187	0.180	0.174	0.165	0.157	0.147	0.147
0.263	0.249	0.233	0.222	0.000	0.193	0.178	0.166	0.157	0.151	0.000	0.136	0.127	0.121	0.115

ASSEMBLY LABEL: L314 SERIAL = L314 IA,JA,K = 16,11,13 SEG TYPE/ROT 8/ 0
BATCH = 8 203 PINS
ASSEM RPF = 0.202 ASSEM RPD = 0.212 PLANAR RPD = 0.196 AVE/PEAK GWD/T = 34.96/44.10
PEAK PIN = 0.423 MAX PIN XY = 0.392 MAX CHA = 0.375 PEAK KW/FT = 2.146
@ 1, 2 @ 1, 2 @ 1, 1 PEAK W/CM = 70.416

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.392 LOCATION = 1, 2

0.000	0.392	0.378	0.373	0.000	0.353	0.338	0.327	0.317	0.312	0.000	0.289	0.273	0.262	0.000
0.373	0.360	0.349	0.357	0.350	0.338	0.326	0.316	0.305	0.296	0.287	0.274	0.248	0.238	0.000
0.342	0.332	0.258	0.331	0.320	0.311	0.302	0.219	0.282	0.270	0.259	0.249	0.178	0.213	0.200
0.322	0.324	0.316	0.307	0.297	0.287	0.278	0.270	0.258	0.247	0.236	0.225	0.213	0.200	0.178
0.000	0.303	0.292	0.284	0.275	0.265	0.257	0.247	0.237	0.226	0.215	0.204	0.191	0.180	0.000
0.276	0.279	0.270	0.262	0.253	0.246	0.237	0.228	0.218	0.207	0.195	0.184	0.172	0.159	0.139
0.251	0.256	0.250	0.242	0.234	0.227	0.222	0.215	0.203	0.189	0.178	0.166	0.155	0.141	0.120
0.230	0.236	0.172	0.224	0.215	0.209	0.205	0.000	0.187	0.173	0.161	0.151	0.103	0.125	0.104
0.211	0.216	0.211	0.204	0.197	0.190	0.186	0.179	0.168	0.156	0.146	0.135	0.124	0.110	0.091
0.195	0.198	0.192	0.185	0.179	0.173	0.166	0.159	0.150	0.141	0.131	0.121	0.111	0.098	0.081
0.000	0.180	0.173	0.168	0.162	0.155	0.150	0.142	0.135	0.126	0.118	0.109	0.098	0.089	0.000
0.157	0.160	0.156	0.151	0.145	0.140	0.134	0.128	0.120	0.113	0.105	0.097	0.088	0.078	0.000
0.137	0.134	0.104	0.134	0.128	0.124	0.119	0.084	0.107	0.100	0.093	0.086	0.059	0.067	0.000
0.119	0.118	0.114	0.116	0.112	0.107	0.102	0.098	0.092	0.087	0.083	0.076	0.067	0.000	0.000
0.000	0.000	0.095	0.092	0.000	0.086	0.081	0.077	0.073	0.071	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M446 SERIAL = M446 IA,JA,K = 16,10,13 SEG TYPE/ROT 12/ 0
BATCH = 12 216 PINS
ASSEM RPF = 0.332 ASSEM RPD = 0.327 PLANAR RPD = 0.304 AVE/PEAK GWD/T = 28.45/31.15
PEAK PIN = 0.630 MAX PIN XY = 0.584 MAX CHA = 0.546 PEAK KW/FT = 3.194
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 104.777

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.584 LOCATION = 1, 1

0.584	0.556	0.541	0.539	0.000	0.524	0.507	0.499	0.492	0.493	0.000	0.478	0.464	0.460	0.462
0.539	0.506	0.508	0.503	0.501	0.489	0.477	0.470	0.464	0.461	0.460	0.448	0.437	0.420	0.426
0.499	0.482	0.468	0.490	0.482	0.476	0.468	0.461	0.455	0.450	0.443	0.438	0.405	0.400	0.393
0.467	0.448	0.459	0.450	0.441	0.435	0.428	0.423	0.417	0.412	0.408	0.333	0.399	0.372	0.367
0.000	0.416	0.421	0.411	0.404	0.398	0.394	0.388	0.383	0.377	0.373	0.370	0.365	0.345	0.000
0.396	0.378	0.386	0.376	0.369	0.365	0.361	0.357	0.351	0.346	0.340	0.336	0.334	0.314	0.309
0.357	0.342	0.351	0.342	0.337	0.334	0.336	0.335	0.327	0.316	0.311	0.306	0.304	0.283	0.278
0.326	0.311	0.319	0.312	0.306	0.304	0.308	0.000	0.300	0.288	0.282	0.279	0.276	0.257	0.253
0.297	0.283	0.290	0.282	0.277	0.274	0.276	0.275	0.269	0.260	0.256	0.252	0.251	0.234	0.230
0.275	0.259	0.263	0.255	0.250	0.247	0.244	0.241	0.238	0.234	0.230	0.228	0.227	0.214	0.211
0.000	0.236	0.236	0.230	0.225	0.221	0.218	0.215	0.212	0.209	0.208	0.206	0.204	0.194	0.000
0.222	0.208	0.211	0.170	0.202	0.197	0.194	0.192	0.189	0.187	0.186	0.152	0.182	0.171	0.168
0.193	0.182	0.175	0.182	0.178	0.175	0.172	0.170	0.168	0.166	0.164	0.163	0.151	0.149	0.145
0.165	0.152	0.151	0.149	0.148	0.145	0.142	0.139	0.138	0.137	0.137	0.134	0.131	0.124	0.124
0.131	0.127	0.125	0.126	0.000	0.123	0.119	0.117	0.116	0.116	0.000	0.113	0.109	0.106	0.102

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 19/ 0
BATCH = 19 160 PINS
ASSEM RPF = 0.251 ASSEM RPD = 0.334 PLANAR RPD = 0.310 AVE/PEAK GWD/T = 6.55/ 7.99
PEAK PIN = 0.581 MAX PIN XY = 0.539 MAX CHA = 0.518 PEAK KW/FT = 2.949
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 96.750

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.539 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.539	0.497	0.473	0.463	0.455	0.450	0.447	0.445	0.448	0.453	0.459	0.465	0.474	0.485	0.504
0.495	0.454	0.431	0.419	0.413	0.409	0.407	0.407	0.409	0.412	0.415	0.420	0.427	0.441	0.462
0.000	0.420	0.396	0.387	0.382	0.380	0.380	0.381	0.381	0.381	0.383	0.386	0.392	0.406	0.000
0.404	0.377	0.363	0.356	0.354	0.354	0.356	0.357	0.356	0.355	0.354	0.355	0.357	0.364	0.375
0.356	0.338	0.331	0.327	0.327	0.330	0.335	0.343	0.336	0.329	0.327	0.325	0.325	0.325	0.328
0.316	0.304	0.300	0.300	0.301	0.305	0.316	0.000	0.316	0.305	0.300	0.297	0.295	0.293	0.293
0.282	0.274	0.273	0.273	0.275	0.278	0.285	0.290	0.285	0.278	0.274	0.271	0.267	0.263	0.261
0.254	0.248	0.246	0.247	0.249	0.252	0.255	0.257	0.255	0.252	0.249	0.245	0.241	0.239	0.235
0.000	0.224	0.220	0.222	0.224	0.226	0.229	0.229	0.228	0.227	0.224	0.220	0.217	0.215	0.000
0.195	0.194	0.195	0.197	0.200	0.202	0.204	0.204	0.204	0.203	0.200	0.197	0.193	0.189	0.184
0.168	0.170	0.173	0.176	0.179	0.181	0.182	0.182	0.182	0.182	0.180	0.177	0.173	0.167	0.160
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Cycle 12 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								N241
16								M101
17							N221	
19							M107	
20								
22				N209	M105			
23	NS05	N225	N217					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 17/ 3
BATCH = 17 160 PINS
ASSEM RPF = 0.200 ASSEM RPD = 0.266 PLANAR RPD = 0.249 AVE/PEAK GWD/T = 10.06/11.83
PEAK PIN = 0.485 MAX PIN XY = 0.453 MAX CHA = 0.440 PEAK KW/FT = 2.457
@ 15, 3 @ 15, 3 @ 14, 2 PEAK W/CM = 80.608

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.453 LOCATION = 15, 3

0.000	0.000	0.424	0.379	0.000	0.301	0.262	0.233	0.208	0.188	0.000	0.150	0.133	0.000	0.000
0.000	0.000	0.397	0.353	0.320	0.284	0.252	0.226	0.202	0.183	0.165	0.146	0.130	0.000	0.000
0.000	0.000	0.384	0.339	0.307	0.277	0.251	0.226	0.204	0.183	0.165	0.146	0.132	0.000	0.000
0.000	0.000	0.377	0.335	0.304	0.277	0.252	0.229	0.208	0.187	0.168	0.150	0.135	0.000	0.000
0.000	0.000	0.374	0.332	0.304	0.279	0.256	0.234	0.212	0.192	0.172	0.153	0.138	0.000	0.000
0.000	0.000	0.372	0.332	0.306	0.282	0.260	0.239	0.217	0.196	0.176	0.156	0.140	0.000	0.000
0.000	0.000	0.372	0.333	0.307	0.286	0.268	0.250	0.224	0.200	0.178	0.159	0.142	0.000	0.000
0.000	0.000	0.373	0.335	0.310	0.289	0.275	0.000	0.230	0.202	0.180	0.160	0.142	0.000	0.000
0.000	0.000	0.377	0.338	0.312	0.290	0.271	0.254	0.227	0.202	0.181	0.160	0.143	0.000	0.000
0.000	0.000	0.383	0.342	0.315	0.291	0.268	0.246	0.224	0.201	0.179	0.159	0.142	0.000	0.000
0.000	0.000	0.390	0.348	0.318	0.292	0.268	0.245	0.221	0.199	0.178	0.157	0.141	0.000	0.000
0.000	0.000	0.400	0.355	0.324	0.295	0.269	0.244	0.220	0.197	0.176	0.155	0.138	0.000	0.000
0.000	0.000	0.410	0.367	0.333	0.301	0.271	0.244	0.218	0.195	0.173	0.152	0.135	0.000	0.000
0.000	0.000	0.428	0.384	0.350	0.310	0.274	0.243	0.216	0.192	0.172	0.148	0.130	0.000	0.000
0.000	0.000	0.453	0.410	0.000	0.324	0.280	0.244	0.213	0.188	0.000	0.140	0.120	0.000	0.000

ASSEMBLY LABEL: N241 SERIAL = N241 IA,JA,K = 10,16,13 SEG TYPE/ROT 10/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.288 ASSEM RPD = 0.285 PLANAR RPD = 0.266 AVE/PEAK GWD/T = 34.80/38.79
PEAK PIN = 0.533 MAX PIN XY = 0.498 MAX CHA = 0.460 PEAK KW/FT = 2.698
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 88.520

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.498 LOCATION = 1, 1

0.498	0.467	0.432	0.405	0.000	0.344	0.311	0.285	0.262	0.243	0.000	0.198	0.174	0.149	0.115
0.476	0.398	0.421	0.390	0.361	0.329	0.297	0.270	0.246	0.225	0.205	0.182	0.159	0.121	0.110
0.462	0.441	0.409	0.403	0.329	0.338	0.306	0.278	0.253	0.229	0.182	0.183	0.151	0.131	0.107
0.458	0.436	0.430	0.396	0.363	0.331	0.300	0.273	0.247	0.223	0.201	0.179	0.157	0.128	0.107
0.000	0.435	0.376	0.391	0.359	0.329	0.299	0.270	0.245	0.221	0.198	0.176	0.137	0.128	0.000
0.447	0.425	0.420	0.386	0.356	0.266	0.299	0.270	0.245	0.179	0.196	0.173	0.153	0.125	0.105
0.434	0.416	0.413	0.381	0.352	0.325	0.300	0.275	0.247	0.218	0.194	0.171	0.150	0.122	0.102
0.429	0.410	0.408	0.377	0.347	0.320	0.300	0.000	0.246	0.216	0.191	0.169	0.149	0.121	0.101
0.424	0.407	0.404	0.372	0.344	0.318	0.294	0.270	0.242	0.214	0.190	0.167	0.147	0.120	0.100
0.426	0.406	0.401	0.369	0.341	0.255	0.287	0.260	0.236	0.172	0.189	0.166	0.147	0.120	0.101
0.000	0.405	0.352	0.366	0.337	0.309	0.281	0.254	0.231	0.208	0.186	0.165	0.129	0.120	0.000
0.415	0.395	0.391	0.361	0.332	0.303	0.276	0.251	0.227	0.205	0.184	0.163	0.144	0.117	0.098
0.405	0.389	0.360	0.357	0.291	0.300	0.272	0.247	0.224	0.203	0.161	0.161	0.133	0.115	0.095
0.404	0.339	0.357	0.331	0.307	0.279	0.252	0.228	0.207	0.188	0.170	0.150	0.131	0.099	0.093
0.406	0.377	0.347	0.324	0.000	0.272	0.244	0.221	0.200	0.184	0.000	0.145	0.125	0.108	0.089

ASSEMBLY LABEL: M101 SERIAL = M101 IA,JA,K = 11,16,13 SEG TYPE/ROT 7/ 0
BATCH = 6 209 PINS
ASSEM RPF = 0.165 ASSEM RPD = 0.169 PLANAR RPD = 0.158 AVE/PEAK GWD/T = 40.47/46.40
PEAK PIN = 0.373 MAX PIN XY = 0.348 MAX CHA = 0.322 PEAK KW/FT = 1.889
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 61.986

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.348 LOCATION = 1, 1

0.348	0.314	0.288	0.268	0.000	0.226	0.203	0.185	0.168	0.154	0.000	0.122	0.105	0.089	0.073
0.330	0.297	0.277	0.258	0.239	0.218	0.197	0.179	0.163	0.149	0.135	0.119	0.103	0.087	0.072
0.319	0.293	0.245	0.258	0.237	0.218	0.199	0.181	0.165	0.149	0.133	0.119	0.091	0.086	0.070
0.315	0.287	0.272	0.251	0.231	0.183	0.193	0.175	0.160	0.125	0.130	0.116	0.101	0.084	0.069
0.000	0.281	0.264	0.244	0.224	0.204	0.187	0.169	0.154	0.139	0.125	0.111	0.097	0.081	0.000
0.299	0.272	0.257	0.205	0.216	0.198	0.180	0.164	0.148	0.134	0.120	0.092	0.094	0.078	0.064
0.286	0.261	0.249	0.228	0.209	0.190	0.176	0.161	0.144	0.128	0.115	0.102	0.090	0.074	0.060
0.277	0.253	0.241	0.220	0.201	0.183	0.170	0.000	0.139	0.122	0.109	0.097	0.085	0.070	0.057
0.269	0.245	0.233	0.213	0.193	0.176	0.162	0.147	0.131	0.116	0.104	0.093	0.081	0.067	0.055
0.266	0.240	0.225	0.177	0.186	0.168	0.152	0.137	0.123	0.110	0.098	0.075	0.077	0.064	0.053
0.000	0.233	0.216	0.196	0.178	0.160	0.144	0.129	0.116	0.104	0.093	0.082	0.072	0.061	0.000
0.246	0.222	0.207	0.187	0.168	0.131	0.135	0.121	0.108	0.083	0.086	0.076	0.067	0.057	0.000
0.232	0.209	0.172	0.176	0.158	0.141	0.126	0.111	0.099	0.089	0.078	0.069	0.053	0.052	0.000
0.219	0.194	0.177	0.159	0.143	0.126	0.110	0.097	0.085	0.076	0.068	0.060	0.053	0.046	0.000
0.204	0.182	0.163	0.146	0.000	0.113	0.096	0.084	0.073	0.064	0.000	0.000	0.000	0.000	0.000

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ASSEMBLY LABEL: N221    SERIAL = N221    IA,JA,K = 12,15,13   SEG TYPE/ROT   9/ 3
                        BATCH  =   9                          216 PINS
ASSEM RPF =  0.408  ASSEM RPD =  0.403 PLANAR RPD =  0.376  AVE/PEAK GWD/T = 36.22/40.14
 PEAK PIN =  0.743 MAX PIN XY =  0.694    MAX CHA =  0.657      PEAK KW/FT =       3.762
          @   2, 1           @   2, 1           @    3, 1      PEAK  W/CM =     123.418

 '2PXP' - PLANAR PIN POWERS  (K-PLANE = 1.0)              PEAK =   0.694  LOCATION =  2, 1

0.692: 0.647: 0.605: 0.573: 0.000: 0.504: 0.464: 0.436: 0.409: 0.389: 0.000: 0.335: 0.303: 0.276: 0.241:
0.694: 0.572: 0.609: 0.571: 0.538: 0.499: 0.461: 0.432: 0.403: 0.381: 0.358: 0.328: 0.298: 0.236: 0.232:
0.682: 0.642: 0.595: 0.592: 0.492: 0.515: 0.479: 0.446: 0.416: 0.389: 0.322: 0.333: 0.284: 0.256: 0.219:
0.675: 0.631: 0.622: 0.576: 0.535: 0.498: 0.463: 0.431: 0.401: 0.373: 0.346: 0.317: 0.289: 0.244: 0.209:
0.000: 0.621: 0.538: 0.560: 0.520: 0.485: 0.450: 0.417: 0.388: 0.360: 0.331: 0.303: 0.245: 0.233: 0.000:
0.644: 0.598: 0.588: 0.542: 0.505: 0.383: 0.438: 0.406: 0.377: 0.282: 0.318: 0.289: 0.262: 0.219: 0.185:
0.617: 0.575: 0.568: 0.525: 0.487: 0.457: 0.428: 0.401: 0.367: 0.335: 0.304: 0.276: 0.248: 0.205: 0.172:
0.598: 0.557: 0.549: 0.507: 0.470: 0.439: 0.418: 0.000: 0.357: 0.321: 0.291: 0.263: 0.237: 0.195: 0.162:
0.580: 0.540: 0.532: 0.491: 0.455: 0.425: 0.397: 0.372: 0.339: 0.309: 0.280: 0.253: 0.227: 0.186: 0.154:
0.567: 0.527: 0.516: 0.475: 0.441: 0.332: 0.379: 0.349: 0.323: 0.241: 0.270: 0.243: 0.218: 0.180: 0.149:
0.000: 0.512: 0.444: 0.459: 0.423: 0.393: 0.362: 0.334: 0.308: 0.284: 0.259: 0.234: 0.187: 0.174: 0.000:
0.524: 0.488: 0.480: 0.442: 0.409: 0.377: 0.347: 0.320: 0.296: 0.272: 0.249: 0.226: 0.202: 0.166: 0.135:
0.496: 0.466: 0.429: 0.426: 0.351: 0.364: 0.335: 0.309: 0.286: 0.264: 0.215: 0.219: 0.182: 0.159: 0.128:
0.475: 0.393: 0.414: 0.385: 0.360: 0.330: 0.303: 0.280: 0.259: 0.241: 0.223: 0.200: 0.178: 0.135: 0.121:
0.457: 0.423: 0.392: 0.369: 0.000: 0.318: 0.291: 0.270: 0.250: 0.234: 0.000: 0.194: 0.171: 0.147: 0.114:
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ASSEMBLY LABEL: M107 SERIAL = M107 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 209 PINS
ASSEM RPF = 0.148 ASSEM RPD = 0.151 PLANAR RPD = 0.141 AVE/PEAK GWD/T = 43.12/49.37
PEAK PIN = 0.416 MAX PIN XY = 0.389 MAX CHA = 0.351 PEAK KW/FT = 2.108
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.150

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.389 LOCATION = 1, 1

0.389	0.350	0.323	0.305	0.000	0.262	0.238	0.218	0.201	0.187	0.000	0.153	0.133	0.114	0.092
0.353	0.312	0.290	0.271	0.253	0.232	0.212	0.195	0.179	0.166	0.153	0.137	0.121	0.103	0.085
0.329	0.293	0.246	0.257	0.238	0.220	0.203	0.186	0.171	0.157	0.143	0.130	0.102	0.097	0.081
0.312	0.276	0.259	0.239	0.222	0.179	0.189	0.173	0.160	0.128	0.134	0.121	0.108	0.092	0.076
0.000	0.259	0.242	0.223	0.206	0.191	0.176	0.162	0.149	0.137	0.124	0.113	0.101	0.086	0.000
0.272	0.240	0.225	0.182	0.192	0.177	0.164	0.151	0.139	0.127	0.116	0.092	0.094	0.079	0.066
0.250	0.221	0.209	0.193	0.178	0.165	0.154	0.143	0.131	0.118	0.108	0.098	0.087	0.073	0.060
0.231	0.205	0.194	0.179	0.165	0.153	0.145	0.000	0.122	0.110	0.100	0.091	0.081	0.068	0.055
0.214	0.189	0.180	0.166	0.153	0.142	0.132	0.123	0.112	0.102	0.093	0.085	0.075	0.063	0.051
0.200	0.176	0.166	0.134	0.142	0.131	0.121	0.112	0.103	0.094	0.086	0.068	0.070	0.059	0.047
0.000	0.164	0.152	0.141	0.130	0.120	0.111	0.102	0.094	0.087	0.079	0.072	0.064	0.055	0.000
0.166	0.147	0.139	0.128	0.119	0.096	0.102	0.093	0.086	0.069	0.073	0.066	0.059	0.050	0.000
0.146	0.131	0.110	0.115	0.107	0.099	0.091	0.084	0.077	0.071	0.065	0.059	0.046	0.044	0.000
0.126	0.113	0.106	0.099	0.092	0.084	0.077	0.071	0.065	0.060	0.056	0.051	0.045	0.038	0.000
0.101	0.094	0.088	0.083	0.000	0.070	0.063	0.058	0.053	0.049	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: M105 SERIAL = M105 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 209 PINS
ASSEM RPF = 0.147 ASSEM RPD = 0.150 PLANAR RPD = 0.140 AVE/PEAK GWD/T = 43.27/48.35
PEAK PIN = 0.414 MAX PIN XY = 0.386 MAX CHA = 0.349 PEAK KW/FT = 2.095
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 68.730

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.386 LOCATION = 1, 1

0.386	0.351	0.328	0.311	0.000	0.272	0.249	0.230	0.213	0.200	0.000	0.166	0.146	0.126	0.102
0.347	0.310	0.291	0.275	0.258	0.239	0.220	0.204	0.189	0.176	0.163	0.147	0.131	0.112	0.094
0.321	0.288	0.245	0.258	0.240	0.224	0.208	0.193	0.179	0.165	0.151	0.138	0.109	0.105	0.088
0.302	0.270	0.255	0.237	0.222	0.181	0.192	0.178	0.165	0.133	0.140	0.127	0.114	0.098	0.083
0.000	0.251	0.236	0.220	0.205	0.191	0.177	0.164	0.152	0.141	0.129	0.118	0.106	0.091	0.000
0.260	0.231	0.219	0.178	0.190	0.176	0.164	0.152	0.141	0.130	0.119	0.095	0.098	0.084	0.070
0.236	0.211	0.202	0.188	0.175	0.163	0.153	0.144	0.132	0.120	0.110	0.101	0.090	0.076	0.063
0.217	0.194	0.185	0.173	0.161	0.150	0.143	0.000	0.123	0.111	0.102	0.093	0.083	0.070	0.058
0.200	0.179	0.171	0.159	0.148	0.138	0.130	0.122	0.112	0.102	0.094	0.086	0.077	0.064	0.052
0.186	0.165	0.157	0.128	0.136	0.127	0.118	0.110	0.102	0.094	0.086	0.068	0.071	0.060	0.049
0.000	0.152	0.143	0.133	0.124	0.116	0.108	0.100	0.093	0.086	0.079	0.072	0.065	0.055	0.000
0.152	0.137	0.129	0.121	0.113	0.091	0.098	0.091	0.084	0.068	0.072	0.065	0.059	0.050	0.000
0.133	0.121	0.102	0.108	0.101	0.094	0.087	0.081	0.075	0.070	0.064	0.058	0.046	0.044	0.000
0.114	0.103	0.098	0.092	0.086	0.080	0.073	0.068	0.063	0.059	0.055	0.050	0.044	0.038	0.000
0.092	0.086	0.081	0.077	0.000	0.066	0.060	0.056	0.051	0.048	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: N209 SERIAL = N209 IA,JA,K = 15,12,13 SEG TYPE/ROT 9/ 1
BATCH = 9 216 PINS
ASSEM RPF = 0.410 ASSEM RPD = 0.405 PLANAR RPD = 0.378 AVE/PEAK GWD/T = 36.07/40.61
PEAK PIN = 0.737 MAX PIN XY = 0.688 MAX CHA = 0.649 PEAK KW/FT = 3.729
@ 1, 1 @ 1, 1 @ 1, 3 PEAK W/CM = 122.347

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.688 LOCATION = 1, 1

0.688	0.685	0.672	0.666	0.000	0.636	0.611	0.593	0.576	0.564	0.000	0.522	0.494	0.473	0.455
0.646	0.568	0.635	0.624	0.614	0.592	0.569	0.552	0.536	0.524	0.510	0.486	0.465	0.392	0.423
0.607	0.606	0.590	0.616	0.533	0.583	0.563	0.545	0.529	0.514	0.442	0.479	0.429	0.413	0.392
0.578	0.570	0.589	0.572	0.556	0.539	0.522	0.504	0.489	0.473	0.458	0.441	0.426	0.385	0.369
0.000	0.540	0.491	0.533	0.517	0.503	0.485	0.469	0.454	0.440	0.423	0.409	0.351	0.361	0.000
0.512	0.502	0.515	0.497	0.484	0.381	0.456	0.439	0.425	0.332	0.393	0.377	0.365	0.332	0.320
0.475	0.466	0.481	0.464	0.450	0.438	0.428	0.418	0.398	0.380	0.363	0.349	0.337	0.305	0.294
0.448	0.439	0.450	0.433	0.418	0.407	0.401	0.000	0.373	0.350	0.335	0.322	0.311	0.282	0.273
0.423	0.412	0.422	0.406	0.391	0.379	0.368	0.358	0.341	0.325	0.309	0.298	0.288	0.261	0.253
0.405	0.392	0.397	0.379	0.365	0.285	0.337	0.323	0.310	0.242	0.286	0.274	0.266	0.243	0.237
0.000	0.370	0.331	0.353	0.336	0.322	0.306	0.293	0.282	0.271	0.260	0.251	0.217	0.225	0.000
0.355	0.342	0.344	0.326	0.309	0.294	0.279	0.266	0.255	0.245	0.236	0.227	0.221	0.203	0.198
0.325	0.314	0.296	0.299	0.252	0.267	0.252	0.239	0.229	0.220	0.188	0.203	0.184	0.180	0.174
0.299	0.252	0.269	0.254	0.241	0.224	0.209	0.198	0.188	0.181	0.175	0.167	0.160	0.136	0.149
0.266	0.251	0.233	0.220	0.000	0.191	0.175	0.164	0.155	0.149	0.000	0.135	0.128	0.122	0.116

ASSEMBLY LABEL: N217 SERIAL = N217 IA,JA,K = 16,11,13 SEG TYPE/ROT 11/ 0
BATCH = 9 209 PINS
ASSEM RPF = 0.219 ASSEM RPD = 0.224 PLANAR RPD = 0.209 AVE/PEAK GWD/T = 36.19/41.35
PEAK PIN = 0.473 MAX PIN XY = 0.442 MAX CHA = 0.406 PEAK KW/FT = 2.395
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 78.583

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.442 LOCATION = 1, 1

0.442	0.424	0.408	0.400	0.000	0.375	0.357	0.345	0.333	0.327	0.000	0.302	0.284	0.269	0.247
0.407	0.351	0.385	0.374	0.366	0.351	0.336	0.323	0.312	0.304	0.295	0.279	0.265	0.220	0.226
0.375	0.368	0.355	0.367	0.317	0.343	0.330	0.317	0.306	0.296	0.252	0.270	0.240	0.226	0.204
0.351	0.342	0.351	0.339	0.328	0.316	0.304	0.292	0.281	0.270	0.258	0.246	0.232	0.204	0.184
0.000	0.319	0.289	0.313	0.303	0.292	0.281	0.269	0.258	0.247	0.235	0.223	0.186	0.184	0.000
0.298	0.291	0.298	0.287	0.279	0.221	0.260	0.248	0.238	0.185	0.214	0.201	0.188	0.163	0.144
0.269	0.264	0.272	0.263	0.255	0.248	0.241	0.233	0.220	0.206	0.194	0.180	0.168	0.144	0.124
0.245	0.241	0.249	0.240	0.232	0.225	0.222	0.000	0.202	0.187	0.174	0.163	0.150	0.128	0.109
0.224	0.220	0.227	0.219	0.212	0.206	0.200	0.192	0.181	0.169	0.157	0.146	0.135	0.113	0.096
0.207	0.202	0.207	0.199	0.192	0.152	0.178	0.169	0.161	0.124	0.142	0.131	0.121	0.102	0.085
0.000	0.184	0.166	0.180	0.173	0.166	0.159	0.150	0.143	0.136	0.127	0.118	0.096	0.092	0.000
0.165	0.162	0.166	0.160	0.154	0.147	0.140	0.134	0.127	0.120	0.113	0.105	0.096	0.081	0.000
0.143	0.142	0.137	0.141	0.121	0.130	0.124	0.118	0.112	0.106	0.089	0.093	0.080	0.072	0.000
0.122	0.107	0.118	0.114	0.111	0.105	0.100	0.095	0.090	0.086	0.083	0.077	0.071	0.056	0.000
0.099	0.098	0.095	0.092	0.000	0.085	0.080	0.076	0.073	0.071	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: N225 SERIAL = N225 IA,JA,K = 16,10,13 SEG TYPE/ROT 10/ 0
BATCH = 9 216 PINS
ASSEM RPF = 0.320 ASSEM RPD = 0.316 PLANAR RPD = 0.295 AVE/PEAK GWD/T = 35.95/40.15
PEAK PIN = 0.544 MAX PIN XY = 0.508 MAX CHA = 0.479 PEAK KW/FT = 2.756
@ 1, 1 @ 1, 1 @ 1, 5 PEAK W/CM = 90.413

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.508 LOCATION = 1, 1

0.508	0.490	0.483	0.490	0.000	0.492	0.484	0.482	0.480	0.486	0.000	0.474	0.463	0.458	0.455
0.473	0.413	0.464	0.467	0.473	0.470	0.465	0.463	0.462	0.463	0.463	0.454	0.445	0.386	0.426
0.437	0.435	0.431	0.462	0.412	0.463	0.460	0.458	0.457	0.457	0.402	0.448	0.414	0.408	0.394
0.410	0.404	0.427	0.426	0.426	0.425	0.424	0.423	0.421	0.420	0.417	0.414	0.408	0.379	0.368
0.000	0.377	0.349	0.391	0.392	0.392	0.391	0.388	0.388	0.387	0.384	0.380	0.335	0.352	0.000
0.350	0.344	0.360	0.357	0.359	0.294	0.360	0.358	0.358	0.290	0.351	0.347	0.344	0.321	0.312
0.317	0.312	0.328	0.326	0.327	0.329	0.333	0.335	0.331	0.324	0.320	0.315	0.313	0.290	0.282
0.291	0.285	0.299	0.297	0.296	0.298	0.305	0.000	0.302	0.294	0.289	0.287	0.285	0.265	0.257
0.268	0.261	0.272	0.270	0.270	0.271	0.274	0.275	0.272	0.267	0.264	0.261	0.260	0.241	0.235
0.249	0.239	0.249	0.245	0.244	0.200	0.244	0.243	0.242	0.196	0.239	0.236	0.236	0.221	0.216
0.000	0.219	0.199	0.221	0.220	0.219	0.218	0.215	0.216	0.215	0.215	0.214	0.189	0.202	0.000
0.202	0.194	0.201	0.198	0.196	0.195	0.193	0.192	0.192	0.191	0.192	0.191	0.190	0.178	0.173
0.177	0.171	0.166	0.175	0.155	0.173	0.171	0.171	0.170	0.171	0.151	0.169	0.158	0.156	0.150
0.151	0.130	0.145	0.144	0.145	0.143	0.141	0.140	0.140	0.141	0.142	0.139	0.137	0.119	0.130
0.120	0.119	0.119	0.121	0.000	0.121	0.119	0.118	0.118	0.119	0.000	0.117	0.114	0.111	0.107

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 16, 9,13 SEG TYPE/ROT 17/ 1
BATCH = 17 160 PINS
ASSEM RPF = 0.204 ASSEM RPD = 0.271 PLANAR RPD = 0.253 AVE/PEAK GWD/T = 10.14/12.70
PEAK PIN = 0.536 MAX PIN XY = 0.500 MAX CHA = 0.474 PEAK KW/FT = 2.713
@ 1,13 @ 1,13 @ 1,13 PEAK W/CM = 89.003

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.500 LOCATION = 1,13

0.000	0.000	0.464	0.456	0.000	0.448	0.441	0.443	0.450	0.466	0.000	0.489	0.500	0.000	0.000
0.000	0.000	0.421	0.409	0.410	0.403	0.399	0.401	0.405	0.415	0.427	0.432	0.447	0.000	0.000
0.000	0.000	0.384	0.371	0.368	0.366	0.366	0.366	0.369	0.373	0.378	0.385	0.400	0.000	0.000
0.000	0.000	0.352	0.339	0.336	0.335	0.336	0.336	0.336	0.338	0.340	0.345	0.361	0.000	0.000
0.000	0.000	0.324	0.312	0.310	0.309	0.309	0.310	0.309	0.308	0.308	0.311	0.323	0.000	0.000
0.000	0.000	0.297	0.287	0.286	0.286	0.287	0.287	0.285	0.282	0.280	0.280	0.289	0.000	0.000
0.000	0.000	0.272	0.264	0.264	0.265	0.269	0.272	0.265	0.258	0.255	0.253	0.259	0.000	0.000
0.000	0.000	0.248	0.242	0.243	0.245	0.251	0.000	0.248	0.237	0.231	0.228	0.231	0.000	0.000
0.000	0.000	0.226	0.222	0.222	0.223	0.227	0.228	0.222	0.215	0.210	0.206	0.208	0.000	0.000
0.000	0.000	0.206	0.201	0.202	0.203	0.203	0.202	0.198	0.194	0.189	0.185	0.187	0.000	0.000
0.000	0.000	0.186	0.182	0.182	0.183	0.182	0.181	0.178	0.175	0.171	0.167	0.168	0.000	0.000
0.000	0.000	0.165	0.162	0.163	0.163	0.163	0.161	0.159	0.157	0.153	0.150	0.150	0.000	0.000
0.000	0.000	0.143	0.142	0.143	0.143	0.143	0.142	0.141	0.138	0.137	0.134	0.134	0.000	0.000
0.000	0.000	0.121	0.121	0.123	0.123	0.121	0.121	0.121	0.121	0.121	0.119	0.119	0.000	0.000
0.000	0.000	0.096	0.097	0.000	0.098	0.097	0.097	0.098	0.101	0.000	0.102	0.103	0.000	0.000

Cycle 13 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								N209
14								O217
16								N241
17							O225	
19							M445	
20								
22				O221	M446			
23	N225	N221	N213					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: N209 SERIAL = N209 IA,JA,K = 9,16,13 SEG TYPE/ROT 7/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.321 ASSEM RPD = 0.321 PLANAR RPD = 0.292 AVE/PEAK GWD/T = 41.07/44.93
PEAK PIN = 0.530 MAX PIN XY = 0.482 MAX CHA = 0.467 PEAK KW/FT = 2.701
@ 14, 1 @ 14, 1 @ 12, 1 PEAK W/CM = 88.630

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.482 LOCATION = 14, 1

0.474	0.440	0.408	0.383	0.000	0.327	0.297	0.273	0.250	0.232	0.000	0.188	0.164	0.143	0.118
0.463	0.390	0.408	0.381	0.356	0.327	0.298	0.274	0.251	0.231	0.212	0.189	0.166	0.129	0.121
0.458	0.435	0.406	0.399	0.334	0.342	0.314	0.288	0.264	0.242	0.198	0.197	0.166	0.145	0.121
0.461	0.436	0.428	0.399	0.370	0.341	0.313	0.288	0.264	0.241	0.219	0.197	0.175	0.146	0.123
0.000	0.440	0.386	0.399	0.371	0.342	0.315	0.288	0.265	0.242	0.219	0.197	0.158	0.147	0.000
0.463	0.437	0.429	0.399	0.371	0.287	0.317	0.291	0.267	0.202	0.219	0.196	0.175	0.146	0.124
0.457	0.434	0.429	0.399	0.371	0.345	0.322	0.297	0.270	0.243	0.219	0.196	0.174	0.144	0.122
0.459	0.436	0.430	0.401	0.371	0.345	0.325	0.000	0.272	0.243	0.218	0.196	0.174	0.144	0.122
0.463	0.440	0.433	0.402	0.375	0.348	0.324	0.299	0.272	0.244	0.220	0.196	0.175	0.145	0.123
0.474	0.447	0.438	0.406	0.377	0.291	0.322	0.294	0.269	0.204	0.221	0.197	0.176	0.147	0.125
0.000	0.454	0.398	0.410	0.380	0.350	0.321	0.293	0.268	0.245	0.222	0.199	0.160	0.149	0.000
0.482	0.454	0.445	0.413	0.381	0.350	0.321	0.294	0.268	0.245	0.222	0.200	0.178	0.148	0.126
0.478	0.455	0.424	0.415	0.346	0.353	0.323	0.295	0.269	0.246	0.201	0.200	0.169	0.148	0.124
0.482	0.408	0.427	0.398	0.370	0.338	0.307	0.280	0.256	0.235	0.214	0.191	0.169	0.132	0.124
0.482	0.455	0.424	0.399	0.000	0.338	0.306	0.279	0.254	0.235	0.000	0.190	0.166	0.145	0.122

ASSEMBLY LABEL: 0217 SERIAL = 0217 IA,JA,K = 10,16,13 SEG TYPE/ROT 12/ 3
BATCH = 11 216 PINS
ASSEM RPF = 0.336 ASSEM RPD = 0.336 PLANAR RPD = 0.306 AVE/PEAK GWD/T = 40.05/45.01
PEAK PIN = 0.569 MAX PIN XY = 0.517 MAX CHA = 0.504 PEAK KW/FT = 2.902
@ 4, 1 @ 4, 1 @ 3, 1 PEAK W/CM = 95.202

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.517 LOCATION = 4, 1

0.504	0.481	0.449	0.422	0.000	0.361	0.328	0.301	0.276	0.256	0.000	0.209	0.183	0.160	0.133
0.512	0.432	0.459	0.426	0.397	0.363	0.332	0.305	0.278	0.255	0.233	0.208	0.185	0.142	0.135
0.512	0.492	0.456	0.451	0.416	0.384	0.354	0.262	0.297	0.268	0.242	0.218	0.182	0.160	0.134
0.517	0.493	0.485	0.449	0.413	0.380	0.350	0.322	0.293	0.265	0.240	0.217	0.193	0.160	0.135
0.000	0.494	0.482	0.445	0.412	0.379	0.348	0.318	0.291	0.264	0.239	0.214	0.191	0.160	0.000
0.513	0.487	0.481	0.442	0.410	0.306	0.348	0.318	0.291	0.213	0.237	0.212	0.190	0.157	0.133
0.501	0.480	0.479	0.440	0.406	0.376	0.350	0.323	0.292	0.262	0.235	0.211	0.189	0.154	0.130
0.494	0.475	0.383	0.438	0.401	0.372	0.349	0.000	0.292	0.259	0.233	0.210	0.151	0.153	0.128
0.488	0.468	0.468	0.429	0.397	0.368	0.342	0.316	0.287	0.257	0.231	0.207	0.185	0.151	0.127
0.487	0.463	0.458	0.422	0.391	0.292	0.333	0.305	0.279	0.205	0.228	0.204	0.182	0.150	0.127
0.000	0.457	0.448	0.414	0.384	0.354	0.326	0.299	0.273	0.249	0.225	0.201	0.180	0.149	0.000
0.467	0.444	0.439	0.407	0.375	0.346	0.320	0.296	0.269	0.244	0.221	0.199	0.177	0.146	0.122
0.451	0.433	0.401	0.399	0.369	0.342	0.317	0.235	0.267	0.242	0.218	0.196	0.164	0.143	0.118
0.445	0.371	0.394	0.367	0.343	0.315	0.289	0.267	0.244	0.224	0.205	0.183	0.162	0.124	0.115
0.439	0.410	0.379	0.356	0.000	0.306	0.279	0.257	0.237	0.220	0.000	0.179	0.157	0.136	0.111

ASSEMBLY LABEL: N241 SERIAL = N241 IA,JA,K = 11,16,13 SEG TYPE/ROT 7/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.197 ASSEM RPD = 0.197 PLANAR RPD = 0.179 AVE/PEAK GWD/T = 38.18/44.62
PEAK PIN = 0.412 MAX PIN XY = 0.375 MAX CHA = 0.348 PEAK KW/FT = 2.104
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.028

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.375 LOCATION = 1, 1

0.375	0.348	0.322	0.303	0.000	0.260	0.236	0.216	0.199	0.184	0.000	0.148	0.129	0.112	0.093
0.365	0.305	0.322	0.301	0.282	0.259	0.237	0.218	0.200	0.184	0.168	0.149	0.131	0.101	0.094
0.352	0.334	0.312	0.309	0.258	0.267	0.245	0.226	0.207	0.190	0.154	0.154	0.129	0.112	0.092
0.342	0.324	0.320	0.299	0.278	0.257	0.237	0.219	0.200	0.183	0.167	0.150	0.132	0.109	0.090
0.000	0.314	0.275	0.287	0.268	0.249	0.230	0.210	0.194	0.177	0.160	0.144	0.114	0.106	0.000
0.317	0.299	0.296	0.275	0.257	0.197	0.221	0.204	0.187	0.140	0.154	0.137	0.122	0.100	0.083
0.299	0.285	0.282	0.263	0.245	0.229	0.215	0.199	0.181	0.163	0.146	0.130	0.115	0.094	0.078
0.287	0.272	0.270	0.252	0.234	0.218	0.206	0.000	0.173	0.154	0.138	0.123	0.109	0.089	0.074
0.277	0.262	0.259	0.240	0.223	0.208	0.194	0.179	0.162	0.145	0.131	0.116	0.103	0.084	0.070
0.270	0.254	0.248	0.229	0.212	0.162	0.180	0.164	0.150	0.112	0.122	0.109	0.097	0.080	0.067
0.000	0.244	0.212	0.218	0.201	0.184	0.168	0.152	0.139	0.126	0.113	0.101	0.081	0.075	0.000
0.248	0.231	0.225	0.206	0.188	0.171	0.155	0.141	0.127	0.115	0.104	0.093	0.082	0.068	0.057
0.233	0.218	0.199	0.193	0.157	0.159	0.143	0.128	0.116	0.104	0.083	0.083	0.070	0.061	0.051
0.221	0.182	0.187	0.170	0.155	0.138	0.122	0.109	0.097	0.087	0.078	0.069	0.061	0.047	0.045
0.205	0.189	0.171	0.156	0.000	0.123	0.107	0.094	0.083	0.074	0.000	0.057	0.050	0.044	0.038

ASSEMBLY LABEL: 0225 SERIAL = 0225 IA,JA,K = 12,15,13 SEG TYPE/ROT 11/ 3
BATCH = 11 216 PINS
ASSEM RPF = 0.348 ASSEM RPD = 0.348 PLANAR RPD = 0.316 AVE/PEAK GWD/T = 39.06/43.94
PEAK PIN = 0.664 MAX PIN XY = 0.604 MAX CHA = 0.567 PEAK KW/FT = 3.389
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 111.177

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.604 LOCATION = 1, 1

0.604	0.576	0.543	0.517	0.000	0.458	0.424	0.400	0.376	0.358	0.000	0.311	0.283	0.261	0.232
0.592	0.495	0.536	0.505	0.478	0.446	0.416	0.393	0.367	0.346	0.324	0.299	0.275	0.218	0.220
0.569	0.549	0.512	0.516	0.485	0.455	0.431	0.323	0.378	0.350	0.326	0.301	0.257	0.235	0.204
0.552	0.529	0.529	0.494	0.462	0.434	0.409	0.385	0.359	0.333	0.307	0.284	0.260	0.221	0.192
0.000	0.511	0.507	0.473	0.444	0.418	0.392	0.366	0.342	0.319	0.293	0.268	0.246	0.208	0.000
0.511	0.487	0.488	0.454	0.428	0.322	0.378	0.353	0.329	0.243	0.280	0.255	0.231	0.194	0.166
0.484	0.464	0.470	0.437	0.408	0.386	0.365	0.345	0.317	0.291	0.265	0.242	0.219	0.180	0.152
0.463	0.446	0.360	0.420	0.391	0.368	0.353	0.000	0.306	0.276	0.251	0.230	0.166	0.170	0.141
0.443	0.425	0.431	0.400	0.374	0.353	0.333	0.314	0.288	0.263	0.239	0.217	0.196	0.159	0.131
0.428	0.409	0.409	0.381	0.358	0.268	0.314	0.292	0.272	0.200	0.227	0.205	0.184	0.151	0.125
0.000	0.392	0.391	0.364	0.340	0.320	0.298	0.277	0.256	0.237	0.215	0.194	0.174	0.143	0.000
0.389	0.372	0.374	0.348	0.325	0.304	0.284	0.266	0.245	0.225	0.205	0.186	0.166	0.135	0.111
0.367	0.354	0.330	0.334	0.312	0.292	0.275	0.204	0.237	0.216	0.197	0.178	0.148	0.129	0.103
0.351	0.294	0.318	0.299	0.282	0.262	0.243	0.227	0.210	0.195	0.179	0.161	0.143	0.107	0.098
0.333	0.317	0.298	0.283	0.000	0.249	0.230	0.215	0.200	0.187	0.000	0.155	0.136	0.117	0.091

ASSEMBLY LABEL: M445 SERIAL = M445 IA,JA,K = 13,15,13 SEG TYPE/ROT 6/ 0
BATCH = 6 215 PINS
ASSEM RPF = 0.129 ASSEM RPD = 0.129 PLANAR RPD = 0.118 AVE/PEAK GWD/T = 31.93/35.32
PEAK PIN = 0.325 MAX PIN XY = 0.295 MAX CHA = 0.273 PEAK KW/FT = 1.656
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 54.335

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.295 LOCATION = 1, 1

0.295	0.271	0.253	0.239	0.000	0.208	0.190	0.175	0.162	0.151	0.000	0.124	0.109	0.094	0.076
0.278	0.249	0.238	0.223	0.210	0.193	0.177	0.164	0.151	0.140	0.129	0.116	0.103	0.087	0.074
0.262	0.241	0.222	0.219	0.204	0.189	0.176	0.162	0.150	0.138	0.126	0.114	0.096	0.084	0.070
0.250	0.228	0.221	0.205	0.190	0.176	0.163	0.151	0.140	0.128	0.117	0.089	0.095	0.080	0.067
0.000	0.216	0.207	0.192	0.177	0.165	0.153	0.141	0.130	0.119	0.109	0.099	0.089	0.075	0.000
0.220	0.201	0.194	0.179	0.166	0.154	0.143	0.133	0.122	0.112	0.102	0.092	0.083	0.069	0.058
0.203	0.185	0.181	0.166	0.155	0.144	0.135	0.127	0.115	0.104	0.095	0.086	0.077	0.064	0.053
0.188	0.172	0.168	0.155	0.144	0.134	0.128	0.000	0.109	0.098	0.088	0.080	0.072	0.059	0.049
0.174	0.159	0.155	0.144	0.133	0.124	0.116	0.109	0.100	0.090	0.082	0.074	0.066	0.055	0.046
0.162	0.148	0.143	0.132	0.122	0.114	0.106	0.098	0.090	0.083	0.076	0.069	0.061	0.051	0.043
0.000	0.137	0.131	0.122	0.112	0.104	0.096	0.089	0.082	0.076	0.069	0.063	0.057	0.048	0.000
0.133	0.123	0.119	0.092	0.102	0.094	0.087	0.081	0.075	0.069	0.063	0.048	0.051	0.043	0.035
0.117	0.108	0.100	0.099	0.092	0.085	0.078	0.072	0.067	0.062	0.057	0.051	0.043	0.038	0.031
0.100	0.091	0.088	0.082	0.077	0.071	0.065	0.060	0.055	0.052	0.048	0.043	0.038	0.032	0.028
0.081	0.077	0.073	0.069	0.000	0.059	0.054	0.050	0.046	0.043	0.000	0.035	0.031	0.028	0.000

ASSEMBLY LABEL: M446 SERIAL = M446 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 215 PINS
ASSEM RPF = 0.131 ASSEM RPD = 0.131 PLANAR RPD = 0.120 AVE/PEAK GWD/T = 31.35/34.57
PEAK PIN = 0.332 MAX PIN XY = 0.302 MAX CHA = 0.279 PEAK KW/FT = 1.692
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 55.513

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.302 LOCATION = 1, 1

0.302	0.282	0.266	0.254	0.000	0.223	0.205	0.190	0.176	0.165	0.000	0.135	0.118	0.102	0.082
0.278	0.254	0.245	0.233	0.220	0.204	0.189	0.175	0.162	0.151	0.139	0.125	0.110	0.093	0.078
0.259	0.243	0.226	0.226	0.211	0.198	0.184	0.171	0.159	0.146	0.134	0.122	0.102	0.089	0.074
0.245	0.228	0.224	0.209	0.195	0.182	0.170	0.158	0.146	0.135	0.124	0.094	0.101	0.084	0.070
0.000	0.214	0.208	0.194	0.180	0.169	0.158	0.147	0.136	0.125	0.115	0.104	0.094	0.079	0.000
0.212	0.197	0.193	0.179	0.168	0.157	0.147	0.137	0.126	0.116	0.106	0.096	0.086	0.072	0.061
0.194	0.181	0.179	0.166	0.155	0.146	0.138	0.130	0.119	0.108	0.098	0.089	0.080	0.066	0.055
0.179	0.167	0.165	0.154	0.144	0.135	0.129	0.000	0.111	0.100	0.091	0.082	0.074	0.061	0.051
0.165	0.154	0.152	0.141	0.132	0.124	0.117	0.111	0.101	0.092	0.084	0.076	0.068	0.057	0.047
0.153	0.142	0.139	0.130	0.121	0.113	0.106	0.099	0.091	0.084	0.077	0.070	0.063	0.053	0.044
0.000	0.131	0.127	0.119	0.111	0.103	0.096	0.090	0.083	0.077	0.071	0.064	0.058	0.049	0.000
0.125	0.117	0.115	0.090	0.100	0.093	0.087	0.081	0.075	0.070	0.064	0.049	0.053	0.044	0.036
0.110	0.103	0.097	0.096	0.090	0.084	0.078	0.073	0.067	0.062	0.058	0.052	0.044	0.039	0.032
0.095	0.087	0.085	0.080	0.076	0.070	0.064	0.060	0.056	0.052	0.048	0.043	0.039	0.033	0.028
0.076	0.074	0.070	0.067	0.000	0.059	0.054	0.050	0.046	0.043	0.000	0.036	0.032	0.028	0.000

ASSEMBLY LABEL: 0221 SERIAL = 0221 IA,JA,K = 15,12,13 SEG TYPE/ROT 11/ 1
BATCH = 11 216 PINS
ASSEM RPF = 0.341 ASSEM RPD = 0.341 PLANAR RPD = 0.310 AVE/PEAK GWD/T = 39.72/45.63
PEAK PIN = 0.649 MAX PIN XY = 0.590 MAX CHA = 0.552 PEAK KW/FT = 3.308
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 108.536

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.590 LOCATION = 1, 1

0.590	0.577	0.554	0.538	0.000	0.499	0.475	0.456	0.438	0.424	0.000	0.389	0.369	0.354	0.339
0.560	0.481	0.532	0.514	0.497	0.475	0.454	0.437	0.418	0.404	0.390	0.371	0.355	0.297	0.322
0.527	0.519	0.496	0.512	0.493	0.474	0.459	0.354	0.424	0.404	0.387	0.372	0.331	0.320	0.302
0.500	0.488	0.499	0.478	0.458	0.442	0.426	0.411	0.392	0.376	0.360	0.346	0.334	0.301	0.287
0.000	0.461	0.468	0.446	0.430	0.416	0.397	0.382	0.367	0.353	0.337	0.324	0.312	0.284	0.000
0.442	0.430	0.438	0.419	0.404	0.313	0.376	0.359	0.346	0.265	0.316	0.302	0.292	0.264	0.252
0.409	0.401	0.414	0.394	0.378	0.366	0.355	0.344	0.326	0.309	0.294	0.283	0.274	0.245	0.233
0.385	0.378	0.312	0.370	0.353	0.341	0.335	0.000	0.307	0.287	0.274	0.264	0.205	0.228	0.217
0.362	0.352	0.362	0.345	0.329	0.318	0.308	0.298	0.282	0.267	0.253	0.244	0.236	0.211	0.202
0.344	0.332	0.336	0.320	0.307	0.236	0.282	0.269	0.257	0.197	0.234	0.224	0.216	0.196	0.188
0.000	0.312	0.313	0.296	0.282	0.270	0.257	0.245	0.234	0.224	0.213	0.204	0.197	0.180	0.000
0.300	0.288	0.289	0.273	0.259	0.246	0.235	0.224	0.212	0.201	0.192	0.185	0.178	0.162	0.156
0.274	0.265	0.248	0.251	0.237	0.224	0.213	0.162	0.192	0.181	0.172	0.165	0.148	0.144	0.138
0.253	0.212	0.228	0.214	0.202	0.188	0.176	0.166	0.156	0.149	0.142	0.135	0.129	0.108	0.119
0.227	0.215	0.199	0.188	0.000	0.162	0.149	0.139	0.130	0.124	0.000	0.111	0.104	0.099	0.093

ASSEMBLY LABEL: N213 SERIAL = N213 IA,JA,K = 16,11,13 SEG TYPE/ROT 7/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.185 ASSEM RPD = 0.185 PLANAR RPD = 0.168 AVE/PEAK GWD/T = 41.83/51.60
PEAK PIN = 0.417 MAX PIN XY = 0.379 MAX CHA = 0.345 PEAK KW/FT = 2.126
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.763

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.379 LOCATION = 1, 1

0.379	0.359	0.343	0.334	0.000	0.309	0.292	0.281	0.271	0.265	0.000	0.243	0.229	0.217	0.201
0.344	0.297	0.320	0.309	0.301	0.287	0.274	0.262	0.253	0.245	0.237	0.224	0.212	0.179	0.185
0.315	0.307	0.296	0.301	0.262	0.279	0.267	0.256	0.246	0.237	0.204	0.215	0.193	0.182	0.167
0.294	0.285	0.289	0.279	0.269	0.258	0.248	0.238	0.227	0.218	0.207	0.197	0.185	0.165	0.152
0.000	0.266	0.242	0.258	0.250	0.240	0.230	0.220	0.210	0.201	0.190	0.179	0.152	0.149	0.000
0.249	0.243	0.246	0.237	0.230	0.186	0.213	0.203	0.195	0.154	0.173	0.162	0.151	0.133	0.120
0.225	0.221	0.225	0.218	0.211	0.204	0.198	0.191	0.180	0.168	0.158	0.146	0.135	0.117	0.104
0.205	0.201	0.206	0.200	0.193	0.186	0.182	0.000	0.165	0.153	0.142	0.132	0.121	0.104	0.091
0.187	0.184	0.188	0.182	0.176	0.170	0.165	0.158	0.149	0.139	0.129	0.119	0.109	0.092	0.080
0.172	0.168	0.171	0.165	0.160	0.129	0.147	0.140	0.133	0.104	0.116	0.107	0.098	0.083	0.071
0.000	0.153	0.139	0.149	0.144	0.138	0.132	0.125	0.119	0.112	0.104	0.096	0.078	0.074	0.000
0.138	0.135	0.137	0.133	0.128	0.122	0.117	0.111	0.105	0.099	0.092	0.085	0.077	0.065	0.054
0.120	0.118	0.115	0.117	0.102	0.108	0.102	0.097	0.092	0.087	0.073	0.075	0.064	0.056	0.047
0.103	0.091	0.099	0.096	0.093	0.088	0.083	0.079	0.075	0.071	0.067	0.061	0.055	0.044	0.041
0.084	0.083	0.081	0.079	0.000	0.072	0.068	0.065	0.061	0.059	0.000	0.051	0.046	0.041	0.035

ASSEMBLY LABEL: N221 SERIAL = N221 IA,JA,K = 16,10,13 SEG TYPE/ROT 7/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.298 ASSEM RPD = 0.298 PLANAR RPD = 0.271 AVE/PEAK GWD/T = 41.03/48.26
PEAK PIN = 0.532 MAX PIN XY = 0.483 MAX CHA = 0.465 PEAK KW/FT = 2.711
@ 1, 4 @ 1, 4 @ 1, 3 PEAK W/CM = 88.943

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.483 LOCATION = 1, 4

0.477	0.479	0.478	0.483	0.000	0.475	0.462	0.455	0.448	0.446	0.000	0.426	0.412	0.404	0.400
0.445	0.401	0.449	0.449	0.450	0.442	0.432	0.424	0.418	0.414	0.409	0.397	0.385	0.334	0.363
0.412	0.416	0.415	0.436	0.390	0.428	0.421	0.414	0.408	0.402	0.355	0.385	0.355	0.346	0.332
0.387	0.386	0.404	0.402	0.398	0.393	0.387	0.382	0.376	0.370	0.363	0.356	0.346	0.320	0.310
0.000	0.359	0.336	0.369	0.367	0.363	0.358	0.352	0.347	0.342	0.335	0.327	0.288	0.298	0.000
0.329	0.328	0.342	0.338	0.337	0.279	0.331	0.325	0.321	0.263	0.308	0.300	0.294	0.272	0.263
0.297	0.298	0.312	0.309	0.308	0.307	0.307	0.304	0.298	0.289	0.283	0.275	0.269	0.248	0.239
0.272	0.272	0.285	0.283	0.281	0.280	0.282	0.000	0.274	0.265	0.258	0.252	0.247	0.228	0.219
0.250	0.250	0.261	0.259	0.257	0.256	0.256	0.254	0.249	0.242	0.236	0.231	0.226	0.209	0.202
0.232	0.230	0.239	0.236	0.234	0.194	0.230	0.227	0.224	0.183	0.216	0.211	0.207	0.193	0.187
0.000	0.210	0.195	0.214	0.212	0.210	0.207	0.203	0.201	0.199	0.195	0.192	0.169	0.177	0.000
0.189	0.188	0.195	0.193	0.191	0.188	0.185	0.183	0.180	0.178	0.176	0.173	0.169	0.157	0.152
0.166	0.166	0.165	0.172	0.153	0.168	0.165	0.163	0.160	0.159	0.141	0.153	0.142	0.139	0.133
0.145	0.129	0.144	0.144	0.143	0.140	0.137	0.135	0.133	0.132	0.131	0.127	0.124	0.107	0.115
0.120	0.121	0.121	0.121	0.000	0.119	0.115	0.113	0.112	0.111	0.000	0.106	0.102	0.099	0.094

ASSEMBLY LABEL: N225 SERIAL = N225 IA,JA,K = 16, 9,13 SEG TYPE/ROT 7/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.322 ASSEM RPD = 0.322 PLANAR RPD = 0.293 AVE/PEAK GWD/T = 40.39/43.82
PEAK PIN = 0.537 MAX PIN XY = 0.489 MAX CHA = 0.473 PEAK KW/FT = 2.742
@ 1,12 @ 1,12 @ 1,12 PEAK W/CM = 89.947

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.489 LOCATION = 1,12

0.481	0.472	0.467	0.473	0.000	0.475	0.469	0.470	0.473	0.484	0.000	0.489	0.486	0.488	0.487
0.443	0.395	0.442	0.444	0.449	0.447	0.443	0.444	0.447	0.453	0.460	0.459	0.459	0.410	0.458
0.408	0.412	0.412	0.436	0.393	0.437	0.437	0.437	0.439	0.444	0.400	0.447	0.426	0.428	0.425
0.384	0.385	0.405	0.406	0.406	0.405	0.405	0.406	0.407	0.410	0.412	0.414	0.416	0.397	0.397
0.000	0.360	0.338	0.376	0.377	0.377	0.377	0.376	0.378	0.380	0.381	0.381	0.345	0.368	0.000
0.328	0.330	0.347	0.346	0.348	0.291	0.350	0.349	0.351	0.292	0.350	0.350	0.351	0.335	0.335
0.298	0.301	0.318	0.318	0.320	0.322	0.326	0.328	0.326	0.322	0.321	0.319	0.320	0.303	0.302
0.273	0.276	0.292	0.292	0.292	0.294	0.301	0.000	0.300	0.294	0.292	0.292	0.292	0.276	0.274
0.251	0.253	0.268	0.267	0.268	0.270	0.273	0.274	0.272	0.269	0.267	0.265	0.266	0.251	0.250
0.232	0.233	0.245	0.244	0.244	0.204	0.244	0.244	0.244	0.202	0.242	0.241	0.242	0.230	0.230
0.000	0.213	0.199	0.221	0.221	0.220	0.220	0.218	0.218	0.219	0.218	0.218	0.196	0.209	0.000
0.188	0.189	0.199	0.199	0.198	0.197	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.186	0.185
0.164	0.167	0.167	0.176	0.158	0.174	0.173	0.172	0.172	0.173	0.155	0.173	0.164	0.163	0.161
0.142	0.129	0.145	0.145	0.146	0.144	0.142	0.142	0.142	0.143	0.144	0.143	0.142	0.126	0.140
0.117	0.119	0.120	0.121	0.000	0.120	0.118	0.118	0.118	0.120	0.000	0.120	0.118	0.118	0.116

Cycle 14 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								O109
14								O229
16								O217
17							P217	
19							O241	
20								
22				P237	O225			
23	O221	P249	O253					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: 0109 SERIAL = 0109 IA,JA,K = 9,16,13 SEG TYPE/ROT 6/ 0
BATCH = 6 216 PINS
ASSEM RPF = 0.320 ASSEM RPD = 0.320 PLANAR RPD = 0.294 AVE/PEAK GWD/T = 53.22/57.60
PEAK PIN = 0.524 MAX PIN XY = 0.483 MAX CHA = 0.465 PEAK KW/FT = 2.658
@ 15, 1 @ 15, 1 @ 12, 1 PEAK W/CM = 87.199

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.483 LOCATION = 15, 1

0.482	0.445	0.413	0.391	0.000	0.338	0.308	0.284	0.262	0.243	0.000	0.198	0.174	0.151	0.127
0.469	0.431	0.411	0.387	0.363	0.335	0.307	0.284	0.261	0.240	0.221	0.197	0.174	0.149	0.128
0.464	0.437	0.409	0.401	0.373	0.347	0.320	0.296	0.271	0.249	0.226	0.203	0.173	0.151	0.129
0.469	0.440	0.429	0.401	0.372	0.345	0.318	0.294	0.269	0.246	0.224	0.203	0.180	0.152	0.130
0.000	0.443	0.429	0.399	0.371	0.343	0.317	0.292	0.268	0.244	0.222	0.200	0.178	0.152	0.000
0.470	0.441	0.429	0.398	0.369	0.343	0.316	0.291	0.267	0.244	0.220	0.199	0.178	0.150	0.129
0.464	0.438	0.428	0.398	0.369	0.342	0.320	0.296	0.269	0.242	0.219	0.197	0.176	0.147	0.126
0.465	0.438	0.429	0.399	0.369	0.342	0.321	0.000	0.270	0.241	0.218	0.196	0.175	0.147	0.125
0.467	0.440	0.430	0.398	0.369	0.341	0.319	0.294	0.267	0.240	0.217	0.195	0.174	0.146	0.125
0.477	0.445	0.432	0.400	0.369	0.342	0.314	0.288	0.263	0.239	0.216	0.194	0.174	0.147	0.127
0.000	0.451	0.434	0.401	0.371	0.341	0.313	0.287	0.262	0.238	0.216	0.194	0.173	0.148	0.000
0.482	0.450	0.437	0.405	0.372	0.342	0.313	0.287	0.262	0.238	0.216	0.195	0.173	0.146	0.126
0.478	0.449	0.401	0.406	0.374	0.344	0.315	0.288	0.263	0.239	0.216	0.194	0.158	0.145	0.124
0.479	0.442	0.420	0.392	0.364	0.332	0.301	0.275	0.251	0.230	0.209	0.186	0.165	0.141	0.123
0.483	0.452	0.421	0.395	0.000	0.335	0.302	0.276	0.251	0.232	0.000	0.187	0.164	0.143	0.121

ASSEMBLY LABEL: 0229 SERIAL = 0229 IA,JA,K = 10,16,13 SEG TYPE/ROT 8/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.324 ASSEM RPD = 0.324 PLANAR RPD = 0.299 AVE/PEAK GWD/T = 46.11/50.66
PEAK PIN = 0.563 MAX PIN XY = 0.518 MAX CHA = 0.502 PEAK KW/FT = 2.853
@ 4, 1 @ 4, 1 @ 3, 1 PEAK W/CM = 93.600

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.518 LOCATION = 4, 1

0.506	0.479	0.445	0.416	0.000	0.352	0.318	0.290	0.263	0.242	0.000	0.195	0.171	0.148	0.123
0.511	0.432	0.452	0.418	0.387	0.353	0.320	0.293	0.265	0.242	0.219	0.195	0.172	0.132	0.124
0.512	0.487	0.452	0.440	0.404	0.371	0.340	0.256	0.281	0.253	0.227	0.203	0.170	0.148	0.124
0.518	0.489	0.477	0.440	0.403	0.369	0.337	0.308	0.278	0.251	0.226	0.202	0.178	0.148	0.125
0.000	0.492	0.475	0.438	0.403	0.369	0.337	0.305	0.278	0.250	0.225	0.200	0.177	0.148	0.000
0.515	0.486	0.475	0.436	0.402	0.304	0.336	0.305	0.277	0.206	0.224	0.199	0.176	0.146	0.123
0.504	0.479	0.473	0.434	0.398	0.367	0.338	0.309	0.279	0.249	0.222	0.198	0.176	0.143	0.120
0.499	0.476	0.388	0.432	0.395	0.363	0.337	0.000	0.278	0.246	0.220	0.197	0.144	0.143	0.119
0.493	0.469	0.464	0.426	0.391	0.360	0.333	0.304	0.274	0.245	0.219	0.195	0.173	0.141	0.118
0.493	0.465	0.456	0.419	0.386	0.293	0.325	0.295	0.269	0.200	0.217	0.193	0.171	0.141	0.118
0.000	0.460	0.447	0.413	0.381	0.349	0.319	0.291	0.264	0.239	0.215	0.191	0.169	0.140	0.000
0.474	0.448	0.439	0.407	0.373	0.342	0.314	0.288	0.261	0.235	0.212	0.189	0.167	0.137	0.115
0.459	0.438	0.406	0.398	0.366	0.338	0.311	0.235	0.258	0.233	0.209	0.187	0.156	0.135	0.111
0.453	0.381	0.398	0.369	0.342	0.313	0.286	0.262	0.239	0.218	0.198	0.175	0.153	0.118	0.109
0.450	0.416	0.383	0.358	0.000	0.304	0.276	0.252	0.231	0.213	0.000	0.171	0.148	0.127	0.104

ASSEMBLY LABEL: 0217 SERIAL = 0217 IA,JA,K = 11,16,13 SEG TYPE/ROT 8/ 3
BATCH = 7 216 PINS
ASSEM RPF = 0.214 ASSEM RPD = 0.214 PLANAR RPD = 0.197 AVE/PEAK GWD/T = 43.62/50.93
PEAK PIN = 0.454 MAX PIN XY = 0.418 MAX CHA = 0.385 PEAK KW/FT = 2.302
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 75.530

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.418 LOCATION = 1, 1

0.418	0.388	0.359	0.336	0.000	0.288	0.262	0.240	0.220	0.203	0.000	0.164	0.143	0.123	0.102
0.400	0.335	0.354	0.330	0.309	0.284	0.261	0.241	0.220	0.201	0.184	0.163	0.143	0.110	0.103
0.383	0.365	0.341	0.338	0.314	0.292	0.271	0.204	0.229	0.208	0.187	0.168	0.140	0.122	0.100
0.371	0.353	0.349	0.326	0.303	0.281	0.261	0.241	0.221	0.201	0.181	0.163	0.144	0.118	0.099
0.000	0.343	0.336	0.314	0.293	0.272	0.252	0.231	0.213	0.194	0.175	0.157	0.139	0.115	0.000
0.344	0.327	0.325	0.302	0.282	0.215	0.243	0.224	0.206	0.153	0.168	0.151	0.134	0.110	0.091
0.326	0.313	0.313	0.291	0.270	0.252	0.236	0.219	0.199	0.179	0.161	0.144	0.128	0.104	0.086
0.313	0.301	0.246	0.280	0.258	0.240	0.226	0.000	0.191	0.170	0.153	0.138	0.100	0.099	0.082
0.302	0.289	0.288	0.266	0.247	0.229	0.214	0.197	0.179	0.161	0.145	0.129	0.115	0.094	0.078
0.294	0.278	0.274	0.253	0.234	0.177	0.199	0.182	0.166	0.123	0.135	0.121	0.107	0.089	0.074
0.000	0.267	0.260	0.240	0.221	0.203	0.186	0.169	0.154	0.140	0.126	0.112	0.100	0.083	0.000
0.270	0.253	0.247	0.227	0.208	0.189	0.173	0.158	0.142	0.128	0.115	0.103	0.091	0.076	0.064
0.254	0.240	0.220	0.213	0.194	0.176	0.160	0.119	0.130	0.116	0.104	0.093	0.078	0.068	0.058
0.242	0.200	0.207	0.188	0.171	0.153	0.136	0.122	0.109	0.098	0.088	0.077	0.068	0.053	0.051
0.225	0.209	0.189	0.172	0.000	0.137	0.120	0.106	0.094	0.084	0.000	0.065	0.057	0.051	0.044

ASSEMBLY LABEL: P217 SERIAL = P217 IA,JA,K = 12,15,13 SEG TYPE/ROT 10/ 3
BATCH = 10 216 PINS
ASSEM RPF = 0.374 ASSEM RPD = 0.374 PLANAR RPD = 0.345 AVE/PEAK GWD/T = 42.02/46.64
PEAK PIN = 0.723 MAX PIN XY = 0.666 MAX CHA = 0.631 PEAK KW/FT = 3.666
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 120.269

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.666 LOCATION = 1, 1

0.666	0.650	0.611	0.579	0.000	0.511	0.473	0.446	0.418	0.396	0.000	0.345	0.316	0.293	0.271
0.641	0.567	0.607	0.570	0.538	0.501	0.468	0.383	0.410	0.385	0.361	0.334	0.307	0.247	0.251
0.618	0.599	0.582	0.542	0.507	0.474	0.445	0.417	0.389	0.362	0.337	0.312	0.288	0.265	0.233
0.603	0.580	0.558	0.519	0.483	0.452	0.424	0.396	0.370	0.344	0.319	0.294	0.271	0.250	0.220
0.000	0.561	0.537	0.498	0.465	0.434	0.407	0.380	0.354	0.328	0.303	0.279	0.256	0.236	0.000
0.560	0.537	0.517	0.479	0.446	0.418	0.391	0.367	0.340	0.314	0.289	0.265	0.242	0.221	0.191
0.532	0.513	0.497	0.461	0.429	0.403	0.382	0.360	0.331	0.301	0.276	0.252	0.229	0.207	0.176
0.510	0.449	0.479	0.443	0.413	0.387	0.371	0.000	0.321	0.289	0.263	0.240	0.218	0.170	0.165
0.488	0.472	0.458	0.424	0.395	0.370	0.351	0.331	0.303	0.275	0.251	0.229	0.207	0.184	0.154
0.473	0.455	0.438	0.407	0.379	0.354	0.331	0.309	0.286	0.263	0.240	0.218	0.196	0.175	0.148
0.000	0.437	0.420	0.390	0.364	0.339	0.317	0.295	0.273	0.251	0.230	0.208	0.188	0.168	0.000
0.431	0.416	0.403	0.375	0.350	0.327	0.305	0.284	0.263	0.242	0.221	0.201	0.180	0.159	0.132
0.407	0.396	0.370	0.362	0.338	0.316	0.296	0.276	0.255	0.235	0.215	0.194	0.174	0.152	0.125
0.389	0.346	0.356	0.336	0.317	0.295	0.274	0.233	0.237	0.220	0.202	0.182	0.162	0.128	0.118
0.371	0.352	0.331	0.315	0.000	0.277	0.257	0.240	0.223	0.208	0.000	0.172	0.152	0.131	0.107

ASSEMBLY LABEL: 0241 SERIAL = 0241 IA,JA,K = 13,15,13 SEG TYPE/ROT 7/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.153 ASSEM RPD = 0.153 PLANAR RPD = 0.141 AVE/PEAK GWD/T = 43.24/49.91
PEAK PIN = 0.369 MAX PIN XY = 0.339 MAX CHA = 0.312 PEAK KW/FT = 1.868
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 61.299

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.339 LOCATION = 1, 1

0.339	0.321	0.302	0.287	0.000	0.253	0.234	0.218	0.202	0.188	0.000	0.155	0.137	0.118	0.095
0.319	0.268	0.286	0.270	0.255	0.238	0.221	0.206	0.190	0.176	0.162	0.146	0.130	0.100	0.093
0.299	0.285	0.267	0.268	0.252	0.235	0.221	0.167	0.191	0.175	0.160	0.145	0.121	0.107	0.089
0.284	0.268	0.267	0.250	0.234	0.219	0.205	0.192	0.177	0.162	0.148	0.135	0.121	0.100	0.084
0.000	0.252	0.250	0.233	0.218	0.205	0.191	0.177	0.164	0.152	0.138	0.125	0.113	0.094	0.000
0.248	0.234	0.233	0.217	0.204	0.155	0.179	0.166	0.154	0.115	0.129	0.117	0.105	0.087	0.073
0.229	0.216	0.217	0.202	0.189	0.178	0.167	0.157	0.144	0.132	0.120	0.109	0.098	0.080	0.067
0.212	0.201	0.164	0.188	0.175	0.164	0.156	0.000	0.135	0.122	0.111	0.101	0.074	0.075	0.062
0.195	0.184	0.185	0.172	0.161	0.151	0.142	0.134	0.123	0.112	0.102	0.093	0.083	0.068	0.057
0.181	0.170	0.169	0.157	0.147	0.112	0.129	0.120	0.112	0.083	0.094	0.085	0.076	0.063	0.053
0.000	0.156	0.153	0.143	0.133	0.125	0.117	0.108	0.101	0.093	0.085	0.077	0.069	0.058	0.000
0.148	0.139	0.138	0.128	0.120	0.112	0.105	0.098	0.091	0.083	0.076	0.069	0.062	0.052	0.044
0.130	0.123	0.115	0.115	0.107	0.100	0.094	0.071	0.081	0.074	0.068	0.062	0.052	0.046	0.039
0.112	0.094	0.100	0.094	0.089	0.082	0.076	0.071	0.066	0.061	0.057	0.051	0.046	0.036	0.034
0.090	0.087	0.083	0.079	0.000	0.069	0.063	0.059	0.054	0.051	0.000	0.043	0.038	0.034	0.029

ASSEMBLY LABEL: 0225 SERIAL = 0225 IA,JA,K = 15,13,13 SEG TYPE/ROT 7/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.155 ASSEM RPD = 0.155 PLANAR RPD = 0.143 AVE/PEAK GWD/T = 42.27/48.51
PEAK PIN = 0.364 MAX PIN XY = 0.335 MAX CHA = 0.309 PEAK KW/FT = 1.844
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 60.507

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.335 LOCATION = 1, 1

0.335	0.318	0.300	0.285	0.000	0.250	0.231	0.214	0.198	0.184	0.000	0.151	0.133	0.115	0.093
0.317	0.267	0.287	0.270	0.254	0.236	0.219	0.203	0.187	0.173	0.159	0.143	0.127	0.097	0.091
0.299	0.287	0.268	0.270	0.252	0.236	0.221	0.166	0.189	0.172	0.157	0.141	0.118	0.104	0.087
0.285	0.271	0.271	0.252	0.236	0.220	0.205	0.191	0.175	0.160	0.146	0.132	0.118	0.098	0.082
0.000	0.256	0.254	0.236	0.221	0.206	0.192	0.178	0.164	0.151	0.137	0.123	0.110	0.092	0.000
0.251	0.238	0.238	0.221	0.207	0.156	0.181	0.167	0.155	0.114	0.128	0.115	0.103	0.085	0.072
0.232	0.221	0.223	0.207	0.193	0.181	0.170	0.160	0.146	0.132	0.120	0.108	0.097	0.079	0.066
0.216	0.207	0.168	0.194	0.180	0.168	0.160	0.000	0.137	0.123	0.111	0.101	0.073	0.074	0.062
0.201	0.191	0.193	0.179	0.167	0.157	0.147	0.138	0.126	0.114	0.103	0.093	0.084	0.068	0.057
0.187	0.177	0.177	0.164	0.154	0.116	0.134	0.124	0.115	0.085	0.096	0.086	0.077	0.064	0.054
0.000	0.163	0.161	0.150	0.140	0.131	0.122	0.113	0.104	0.096	0.087	0.079	0.071	0.059	0.000
0.155	0.147	0.146	0.136	0.127	0.119	0.111	0.103	0.095	0.087	0.079	0.072	0.064	0.053	0.045
0.137	0.131	0.122	0.123	0.114	0.107	0.100	0.075	0.085	0.078	0.071	0.065	0.054	0.048	0.040
0.118	0.100	0.108	0.102	0.095	0.088	0.082	0.076	0.070	0.065	0.060	0.054	0.048	0.037	0.035
0.094	0.093	0.089	0.085	0.000	0.074	0.068	0.063	0.058	0.055	0.000	0.045	0.040	0.035	0.030

ASSEMBLY LABEL: P237 SERIAL = P237 IA,JA,K = 15,12,13 SEG TYPE/ROT 10/ 1
BATCH = 10 216 PINS
ASSEM RPF = 0.381 ASSEM RPD = 0.381 PLANAR RPD = 0.351 AVE/PEAK GWD/T = 41.56/46.69
PEAK PIN = 0.730 MAX PIN XY = 0.672 MAX CHA = 0.638 PEAK KW/FT = 3.699
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 121.372

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.672 LOCATION = 1, 1

0.672	0.647	0.624	0.609	0.000	0.566	0.537	0.516	0.494	0.478	0.000	0.436	0.411	0.393	0.375
0.658	0.573	0.607	0.587	0.569	0.544	0.520	0.456	0.479	0.461	0.444	0.422	0.401	0.350	0.356
0.620	0.616	0.590	0.566	0.545	0.524	0.505	0.486	0.466	0.445	0.427	0.409	0.375	0.361	0.335
0.588	0.578	0.550	0.527	0.506	0.487	0.468	0.450	0.431	0.413	0.397	0.381	0.368	0.341	0.319
0.000	0.546	0.514	0.490	0.472	0.453	0.436	0.419	0.402	0.385	0.369	0.356	0.344	0.322	0.000
0.519	0.508	0.481	0.459	0.441	0.425	0.410	0.394	0.377	0.360	0.345	0.332	0.321	0.300	0.282
0.481	0.475	0.452	0.431	0.413	0.398	0.388	0.378	0.357	0.337	0.322	0.310	0.301	0.279	0.261
0.453	0.389	0.424	0.403	0.386	0.373	0.367	0.000	0.337	0.315	0.300	0.289	0.281	0.237	0.244
0.425	0.417	0.395	0.377	0.360	0.346	0.337	0.327	0.309	0.291	0.278	0.268	0.260	0.242	0.227
0.404	0.393	0.369	0.351	0.334	0.320	0.307	0.295	0.280	0.268	0.256	0.247	0.239	0.224	0.212
0.000	0.369	0.344	0.325	0.309	0.295	0.281	0.269	0.256	0.245	0.234	0.226	0.219	0.207	0.000
0.353	0.341	0.319	0.301	0.285	0.271	0.258	0.245	0.233	0.222	0.212	0.205	0.198	0.186	0.176
0.324	0.315	0.295	0.277	0.262	0.248	0.234	0.223	0.211	0.201	0.192	0.184	0.178	0.165	0.155
0.302	0.254	0.272	0.256	0.242	0.226	0.212	0.174	0.189	0.180	0.172	0.163	0.156	0.131	0.134
0.280	0.259	0.240	0.227	0.000	0.196	0.181	0.169	0.158	0.151	0.000	0.136	0.128	0.121	0.109

ASSEMBLY LABEL: 0253 SERIAL = 0253 IA,JA,K = 16,11,13 SEG TYPE/ROT 8/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.227 ASSEM RPD = 0.227 PLANAR RPD = 0.209 AVE/PEAK GWD/T = 42.65/49.40
PEAK PIN = 0.492 MAX PIN XY = 0.453 MAX CHA = 0.416 PEAK KW/FT = 2.496
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 81.885

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.453 LOCATION = 1, 1

0.453	0.432	0.411	0.398	0.000	0.367	0.348	0.333	0.321	0.312	0.000	0.286	0.270	0.257	0.239
0.420	0.360	0.391	0.377	0.364	0.348	0.332	0.319	0.305	0.293	0.283	0.268	0.253	0.212	0.222
0.387	0.380	0.364	0.373	0.358	0.345	0.332	0.259	0.304	0.289	0.274	0.260	0.232	0.219	0.201
0.364	0.355	0.362	0.348	0.334	0.320	0.307	0.295	0.280	0.266	0.252	0.239	0.225	0.199	0.182
0.000	0.332	0.337	0.323	0.312	0.299	0.286	0.273	0.260	0.247	0.233	0.218	0.204	0.180	0.000
0.313	0.306	0.313	0.300	0.289	0.227	0.267	0.254	0.241	0.186	0.214	0.199	0.186	0.161	0.145
0.285	0.282	0.291	0.279	0.268	0.258	0.250	0.239	0.225	0.209	0.195	0.181	0.169	0.144	0.127
0.261	0.260	0.219	0.258	0.247	0.237	0.231	0.000	0.208	0.191	0.177	0.166	0.124	0.129	0.112
0.240	0.238	0.246	0.236	0.226	0.218	0.210	0.201	0.188	0.175	0.162	0.149	0.137	0.115	0.099
0.222	0.218	0.224	0.214	0.207	0.162	0.189	0.179	0.169	0.129	0.146	0.134	0.122	0.103	0.089
0.000	0.199	0.202	0.194	0.187	0.179	0.170	0.161	0.152	0.142	0.131	0.120	0.109	0.092	0.000
0.179	0.177	0.181	0.175	0.167	0.159	0.152	0.145	0.136	0.126	0.117	0.108	0.097	0.081	0.069
0.156	0.156	0.151	0.155	0.148	0.142	0.135	0.104	0.121	0.112	0.104	0.095	0.081	0.072	0.061
0.135	0.119	0.131	0.127	0.122	0.116	0.110	0.104	0.098	0.092	0.087	0.079	0.071	0.056	0.054
0.112	0.111	0.108	0.105	0.000	0.097	0.091	0.086	0.081	0.077	0.000	0.066	0.060	0.054	0.047

ASSEMBLY LABEL: P249 SERIAL = P249 IA,JA,K = 16,10,13 SEG TYPE/ROT 11/ 1
BATCH = 10 216 PINS
ASSEM RPF = 0.356 ASSEM RPD = 0.356 PLANAR RPD = 0.328 AVE/PEAK GWD/T = 42.23/46.23
PEAK PIN = 0.594 MAX PIN XY = 0.546 MAX CHA = 0.533 PEAK KW/FT = 3.008
@ 1, 1 @ 1, 1 @ 1, 3 PEAK W/CM = 98.682

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.546 LOCATION = 1, 1

0.546	0.538	0.537	0.543	0.000	0.539	0.528	0.522	0.516	0.515	0.000	0.497	0.481	0.474	0.466
0.538	0.483	0.525	0.526	0.527	0.521	0.514	0.465	0.503	0.499	0.493	0.481	0.469	0.422	0.435
0.503	0.513	0.509	0.503	0.500	0.498	0.495	0.491	0.485	0.478	0.469	0.462	0.435	0.427	0.403
0.473	0.477	0.469	0.466	0.461	0.458	0.454	0.452	0.445	0.439	0.433	0.427	0.420	0.399	0.378
0.000	0.445	0.433	0.428	0.425	0.421	0.419	0.416	0.411	0.404	0.400	0.394	0.388	0.372	0.000
0.407	0.408	0.400	0.394	0.391	0.390	0.388	0.384	0.380	0.375	0.368	0.363	0.359	0.342	0.324
0.370	0.375	0.368	0.363	0.361	0.358	0.363	0.362	0.355	0.345	0.340	0.334	0.332	0.314	0.296
0.341	0.301	0.339	0.333	0.330	0.330	0.335	0.000	0.329	0.317	0.312	0.308	0.306	0.264	0.273
0.314	0.316	0.310	0.304	0.302	0.301	0.304	0.304	0.298	0.290	0.285	0.281	0.279	0.266	0.250
0.290	0.290	0.282	0.277	0.274	0.273	0.271	0.270	0.266	0.263	0.259	0.257	0.255	0.244	0.232
0.000	0.265	0.255	0.252	0.250	0.246	0.245	0.243	0.241	0.237	0.235	0.233	0.231	0.223	0.000
0.239	0.237	0.231	0.228	0.225	0.223	0.221	0.219	0.217	0.214	0.212	0.211	0.208	0.199	0.189
0.210	0.212	0.208	0.204	0.202	0.201	0.199	0.197	0.195	0.193	0.190	0.188	0.187	0.176	0.165
0.184	0.164	0.184	0.183	0.183	0.180	0.177	0.153	0.174	0.172	0.171	0.167	0.164	0.141	0.144
0.157	0.156	0.155	0.156	0.000	0.153	0.150	0.148	0.146	0.146	0.000	0.141	0.137	0.133	0.122

ASSEMBLY LABEL: 0221 SERIAL = 0221 IA,JA,K = 16, 9,13 SEG TYPE/ROT 8/ 0
BATCH = 7 216 PINS
ASSEM RPF = 0.349 ASSEM RPD = 0.349 PLANAR RPD = 0.322 AVE/PEAK GWD/T = 44.33/49.27
PEAK PIN = 0.570 MAX PIN XY = 0.525 MAX CHA = 0.509 PEAK KW/FT = 2.891
@ 1,14 @ 1,14 @ 1,12 PEAK W/CM = 94.852

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.525 LOCATION = 1,14

0.506	0.502	0.498	0.504	0.000	0.506	0.501	0.502	0.506	0.517	0.000	0.524	0.521	0.525	0.524
0.469	0.420	0.475	0.477	0.481	0.479	0.478	0.481	0.483	0.488	0.495	0.495	0.497	0.443	0.496
0.434	0.443	0.443	0.471	0.472	0.475	0.478	0.394	0.482	0.482	0.483	0.487	0.463	0.467	0.462
0.408	0.414	0.439	0.440	0.440	0.440	0.443	0.447	0.446	0.447	0.449	0.453	0.456	0.434	0.434
0.000	0.387	0.408	0.408	0.410	0.411	0.412	0.412	0.414	0.416	0.418	0.418	0.422	0.404	0.000
0.352	0.357	0.380	0.379	0.381	0.314	0.384	0.384	0.386	0.317	0.386	0.386	0.390	0.371	0.370
0.321	0.329	0.353	0.351	0.352	0.354	0.359	0.361	0.360	0.357	0.356	0.356	0.360	0.339	0.335
0.295	0.303	0.267	0.325	0.324	0.325	0.332	0.000	0.333	0.327	0.326	0.329	0.271	0.311	0.306
0.271	0.278	0.298	0.297	0.297	0.299	0.303	0.304	0.303	0.300	0.299	0.299	0.301	0.283	0.279
0.251	0.255	0.271	0.270	0.271	0.223	0.273	0.272	0.273	0.223	0.272	0.271	0.273	0.259	0.257
0.000	0.233	0.245	0.245	0.246	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.246	0.235	0.000
0.204	0.208	0.220	0.221	0.220	0.220	0.220	0.221	0.220	0.220	0.220	0.221	0.221	0.209	0.207
0.179	0.184	0.185	0.196	0.196	0.196	0.197	0.161	0.196	0.196	0.195	0.196	0.185	0.185	0.181
0.156	0.142	0.162	0.162	0.163	0.162	0.161	0.161	0.161	0.162	0.163	0.162	0.162	0.143	0.158
0.129	0.133	0.134	0.136	0.000	0.136	0.134	0.134	0.134	0.136	0.000	0.137	0.135	0.135	0.132

Cycle 15 Peripheral Assembly Locations

	M	N	Q	R	T	V	X	Z
13								NS01
14								P233
16								Q225
17							Q229	
19							P237	
20								
22				Q233	NS05			
23	P249	P225	P217					

Quarter Core Rotational Symmetry

ASSEMBLY LABEL: NS01 SERIAL = NS01 IA,JA,K = 9,16,13 SEG TYPE/ROT 8/ 3
BATCH = 6 160 PINS
ASSEM RPF = 0.157 ASSEM RPD = 0.210 PLANAR RPD = 0.194 AVE/PEAK GWD/T = 13.27/16.11
PEAK PIN = 0.363 MAX PIN XY = 0.334 MAX CHA = 0.323 PEAK KW/FT = 1.857
@ 1, 3 @ 1, 3 @ 1, 2 PEAK W/CM = 60.925

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.334 LOCATION = 1, 3

0.000	0.000	0.334	0.303	0.000	0.248	0.219	0.196	0.176	0.161	0.000	0.128	0.113	0.000	0.000
0.000	0.000	0.312	0.280	0.258	0.232	0.208	0.187	0.169	0.153	0.139	0.123	0.110	0.000	0.000
0.000	0.000	0.302	0.269	0.245	0.224	0.203	0.184	0.167	0.151	0.135	0.121	0.110	0.000	0.000
0.000	0.000	0.294	0.265	0.241	0.220	0.201	0.184	0.166	0.150	0.135	0.122	0.111	0.000	0.000
0.000	0.000	0.291	0.260	0.240	0.219	0.202	0.184	0.167	0.151	0.137	0.122	0.111	0.000	0.000
0.000	0.000	0.289	0.259	0.238	0.220	0.202	0.186	0.169	0.153	0.137	0.123	0.112	0.000	0.000
0.000	0.000	0.288	0.258	0.239	0.221	0.207	0.192	0.173	0.154	0.138	0.123	0.113	0.000	0.000
0.000	0.000	0.288	0.259	0.239	0.222	0.210	0.000	0.175	0.155	0.138	0.124	0.113	0.000	0.000
0.000	0.000	0.290	0.260	0.240	0.222	0.208	0.193	0.174	0.154	0.139	0.124	0.113	0.000	0.000
0.000	0.000	0.294	0.262	0.241	0.223	0.205	0.188	0.170	0.154	0.138	0.124	0.113	0.000	0.000
0.000	0.000	0.297	0.266	0.244	0.223	0.205	0.186	0.169	0.152	0.138	0.123	0.112	0.000	0.000
0.000	0.000	0.302	0.271	0.246	0.224	0.204	0.186	0.168	0.152	0.137	0.123	0.112	0.000	0.000
0.000	0.000	0.309	0.275	0.250	0.227	0.206	0.186	0.168	0.151	0.135	0.121	0.110	0.000	0.000
0.000	0.000	0.315	0.282	0.259	0.232	0.207	0.185	0.167	0.150	0.136	0.119	0.107	0.000	0.000
0.000	0.000	0.325	0.295	0.000	0.238	0.208	0.185	0.164	0.148	0.000	0.116	0.102	0.000	0.000

ASSEMBLY LABEL: P233 SERIAL = P233 IA,JA,K = 10,16,13 SEG TYPE/ROT 10/ 0
BATCH = 9 216 PINS
ASSEM RPF = 0.255 ASSEM RPD = 0.253 PLANAR RPD = 0.233 AVE/PEAK GWD/T = 45.59/51.55
PEAK PIN = 0.417 MAX PIN XY = 0.384 MAX CHA = 0.374 PEAK KW/FT = 2.132
@ 1, 1 @ 1, 1 @ 6, 1 PEAK W/CM = 69.962

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.384 LOCATION = 1, 1

0.384	0.365	0.340	0.319	0.000	0.270	0.245	0.223	0.204	0.188	0.000	0.152	0.133	0.114	0.093
0.377	0.338	0.342	0.317	0.294	0.267	0.242	0.202	0.200	0.181	0.164	0.145	0.128	0.102	0.093
0.375	0.365	0.339	0.323	0.296	0.271	0.247	0.225	0.203	0.182	0.163	0.145	0.129	0.112	0.092
0.380	0.367	0.351	0.323	0.295	0.269	0.245	0.223	0.201	0.180	0.161	0.144	0.127	0.111	0.093
0.000	0.371	0.351	0.323	0.296	0.269	0.246	0.223	0.201	0.180	0.162	0.143	0.127	0.112	0.000
0.382	0.370	0.353	0.324	0.296	0.272	0.248	0.225	0.203	0.182	0.162	0.144	0.128	0.112	0.095
0.378	0.368	0.354	0.325	0.298	0.273	0.253	0.231	0.208	0.183	0.163	0.145	0.128	0.113	0.094
0.377	0.338	0.356	0.327	0.299	0.275	0.256	0.000	0.210	0.185	0.164	0.146	0.130	0.100	0.094
0.377	0.368	0.355	0.326	0.299	0.275	0.255	0.233	0.210	0.185	0.165	0.147	0.130	0.114	0.095
0.381	0.370	0.354	0.326	0.299	0.275	0.251	0.229	0.207	0.186	0.166	0.147	0.131	0.115	0.096
0.000	0.371	0.352	0.326	0.300	0.274	0.251	0.228	0.207	0.186	0.167	0.148	0.131	0.116	0.000
0.377	0.367	0.352	0.326	0.299	0.275	0.251	0.229	0.207	0.187	0.168	0.150	0.131	0.115	0.096
0.372	0.363	0.352	0.325	0.299	0.275	0.252	0.230	0.209	0.188	0.168	0.150	0.132	0.115	0.094
0.372	0.333	0.350	0.326	0.302	0.277	0.253	0.203	0.209	0.189	0.171	0.150	0.132	0.100	0.093
0.382	0.367	0.340	0.317	0.000	0.269	0.244	0.222	0.202	0.184	0.000	0.146	0.126	0.108	0.091

ASSEMBLY LABEL: Q225 SERIAL = Q225 IA,JA,K = 11,16,13 SEG TYPE/ROT 15/ 3
BATCH = 14 216 PINS
ASSEM RPF = 0.201 ASSEM RPD = 0.199 PLANAR RPD = 0.184 AVE/PEAK GWD/T = 42.12/46.19
PEAK PIN = 0.412 MAX PIN XY = 0.380 MAX CHA = 0.359 PEAK KW/FT = 2.109
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 69.203

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.380 LOCATION = 1, 1

0.380	0.360	0.332	0.310	0.000	0.265	0.240	0.221	0.201	0.185	0.000	0.148	0.129	0.112	0.094
0.358	0.339	0.335	0.311	0.289	0.266	0.244	0.209	0.204	0.186	0.170	0.150	0.132	0.107	0.093
0.347	0.334	0.326	0.300	0.277	0.256	0.236	0.217	0.198	0.180	0.162	0.145	0.129	0.112	0.091
0.342	0.327	0.317	0.293	0.271	0.249	0.228	0.210	0.191	0.174	0.158	0.142	0.125	0.110	0.090
0.000	0.322	0.308	0.285	0.246	0.242	0.222	0.203	0.185	0.169	0.143	0.137	0.121	0.107	0.000
0.325	0.311	0.300	0.276	0.255	0.235	0.215	0.198	0.180	0.164	0.147	0.131	0.117	0.103	0.085
0.312	0.301	0.292	0.267	0.246	0.227	0.212	0.195	0.176	0.157	0.141	0.126	0.112	0.099	0.081
0.304	0.288	0.284	0.259	0.238	0.219	0.205	0.000	0.170	0.151	0.135	0.120	0.107	0.088	0.078
0.296	0.284	0.274	0.250	0.229	0.210	0.195	0.179	0.161	0.143	0.128	0.114	0.102	0.090	0.074
0.291	0.276	0.264	0.241	0.220	0.201	0.182	0.166	0.150	0.135	0.121	0.108	0.096	0.085	0.072
0.000	0.269	0.254	0.232	0.197	0.191	0.172	0.155	0.140	0.126	0.106	0.101	0.090	0.081	0.000
0.271	0.256	0.245	0.222	0.200	0.180	0.162	0.146	0.130	0.117	0.105	0.094	0.083	0.074	0.063
0.255	0.242	0.217	0.211	0.189	0.169	0.152	0.136	0.121	0.108	0.096	0.086	0.076	0.068	0.057
0.232	0.218	0.209	0.189	0.171	0.151	0.134	0.116	0.105	0.094	0.084	0.074	0.065	0.057	0.051
0.222	0.200	0.189	0.172	0.000	0.135	0.117	0.103	0.090	0.080	0.000	0.062	0.055	0.048	0.043

ASSEMBLY LABEL: Q229 SERIAL = Q229 IA,JA,K = 12,15,13 SEG TYPE/ROT 14/ 3
BATCH = 14 216 PINS
ASSEM RPF = 0.369 ASSEM RPD = 0.365 PLANAR RPD = 0.336 AVE/PEAK GWD/T = 43.37/48.16
PEAK PIN = 0.711 MAX PIN XY = 0.655 MAX CHA = 0.628 PEAK KW/FT = 3.643
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 119.507

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.655 LOCATION = 1, 1

0.655	0.634	0.598	0.569	0.000	0.504	0.468	0.441	0.414	0.392	0.000	0.340	0.310	0.286	0.264
0.628	0.592	0.597	0.563	0.532	0.497	0.465	0.409	0.409	0.385	0.362	0.333	0.307	0.263	0.247
0.604	0.581	0.571	0.534	0.501	0.469	0.442	0.415	0.388	0.362	0.338	0.312	0.288	0.265	0.231
0.587	0.559	0.546	0.510	0.478	0.447	0.419	0.392	0.368	0.344	0.320	0.295	0.271	0.250	0.218
0.000	0.540	0.522	0.489	0.427	0.428	0.400	0.374	0.349	0.327	0.283	0.279	0.256	0.236	0.000
0.541	0.513	0.500	0.466	0.436	0.408	0.382	0.359	0.334	0.310	0.287	0.264	0.241	0.220	0.190
0.511	0.489	0.479	0.445	0.415	0.390	0.370	0.350	0.322	0.295	0.271	0.249	0.227	0.205	0.175
0.489	0.460	0.460	0.426	0.398	0.374	0.358	0.000	0.311	0.282	0.258	0.236	0.216	0.181	0.164
0.469	0.448	0.439	0.407	0.381	0.357	0.338	0.319	0.293	0.267	0.246	0.224	0.204	0.183	0.153
0.453	0.431	0.420	0.391	0.366	0.341	0.319	0.298	0.276	0.255	0.235	0.214	0.193	0.174	0.146
0.000	0.415	0.403	0.376	0.327	0.327	0.304	0.283	0.263	0.244	0.210	0.205	0.185	0.166	0.000
0.413	0.395	0.388	0.361	0.337	0.314	0.292	0.272	0.253	0.234	0.216	0.196	0.177	0.158	0.131
0.390	0.374	0.345	0.348	0.324	0.302	0.283	0.264	0.245	0.226	0.207	0.189	0.170	0.150	0.123
0.362	0.341	0.337	0.319	0.301	0.280	0.260	0.238	0.225	0.209	0.194	0.175	0.156	0.134	0.116
0.360	0.329	0.318	0.303	0.000	0.267	0.247	0.230	0.214	0.200	0.000	0.167	0.148	0.128	0.105

ASSEMBLY LABEL: P237 SERIAL = P237 IA,JA,K = 13,15,13 SEG TYPE/ROT 9/ 0
BATCH = 9 216 PINS
ASSEM RPF = 0.153 ASSEM RPD = 0.152 PLANAR RPD = 0.140 AVE/PEAK GWD/T = 45.21/52.27
PEAK PIN = 0.363 MAX PIN XY = 0.334 MAX CHA = 0.310 PEAK KW/FT = 1.858
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 60.963

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.334 LOCATION = 1, 1

0.334	0.313	0.294	0.279	0.000	0.244	0.225	0.209	0.194	0.181	0.000	0.150	0.132	0.115	0.095
0.315	0.277	0.283	0.267	0.251	0.233	0.216	0.184	0.186	0.172	0.158	0.143	0.128	0.103	0.096
0.297	0.284	0.265	0.258	0.241	0.225	0.210	0.195	0.180	0.166	0.152	0.138	0.124	0.110	0.092
0.283	0.269	0.259	0.241	0.225	0.209	0.195	0.181	0.168	0.154	0.141	0.128	0.116	0.104	0.088
0.000	0.253	0.242	0.225	0.210	0.195	0.182	0.169	0.156	0.144	0.132	0.119	0.108	0.097	0.000
0.248	0.236	0.226	0.210	0.195	0.182	0.170	0.158	0.146	0.134	0.123	0.111	0.101	0.090	0.076
0.229	0.219	0.211	0.196	0.182	0.170	0.161	0.151	0.138	0.126	0.115	0.104	0.094	0.084	0.070
0.213	0.186	0.197	0.182	0.169	0.158	0.151	0.000	0.130	0.117	0.106	0.097	0.087	0.068	0.065
0.197	0.188	0.182	0.168	0.156	0.146	0.138	0.130	0.119	0.108	0.098	0.089	0.081	0.072	0.060
0.184	0.174	0.166	0.154	0.143	0.134	0.125	0.117	0.108	0.099	0.090	0.082	0.074	0.066	0.056
0.000	0.160	0.152	0.141	0.131	0.122	0.114	0.106	0.098	0.090	0.082	0.075	0.068	0.061	0.000
0.151	0.144	0.138	0.128	0.118	0.110	0.103	0.096	0.089	0.082	0.075	0.068	0.061	0.055	0.046
0.134	0.128	0.124	0.115	0.107	0.099	0.093	0.086	0.080	0.073	0.067	0.061	0.055	0.049	0.041
0.116	0.103	0.109	0.102	0.096	0.089	0.082	0.067	0.071	0.066	0.060	0.055	0.049	0.038	0.037
0.096	0.096	0.091	0.086	0.000	0.075	0.069	0.064	0.059	0.056	0.000	0.046	0.041	0.037	0.032

ASSEMBLY LABEL: NS05 SERIAL = NS05 IA,JA,K = 15,13,13 SEG TYPE/ROT 6/ 0
BATCH = 6 160 PINS
ASSEM RPF = 0.089 ASSEM RPD = 0.118 PLANAR RPD = 0.109 AVE/PEAK GWD/T = 12.81/15.25
PEAK PIN = 0.324 MAX PIN XY = 0.298 MAX CHA = 0.279 PEAK KW/FT = 1.657
@ 3, 1 @ 3, 1 @ 2, 1 PEAK W/CM = 54.379

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.298 LOCATION = 3, 1

0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.298	0.261	0.233	0.213	0.194	0.178	0.162	0.149	0.137	0.126	0.115	0.105	0.096	0.087	0.078
0.273	0.235	0.209	0.190	0.174	0.159	0.147	0.135	0.124	0.114	0.105	0.096	0.087	0.080	0.071
0.000	0.217	0.192	0.174	0.160	0.148	0.137	0.126	0.117	0.107	0.098	0.090	0.082	0.075	0.000
0.226	0.196	0.176	0.161	0.148	0.138	0.128	0.119	0.110	0.101	0.093	0.085	0.076	0.069	0.059
0.202	0.177	0.161	0.148	0.138	0.129	0.122	0.116	0.105	0.096	0.087	0.079	0.072	0.063	0.053
0.182	0.161	0.147	0.136	0.127	0.120	0.115	0.000	0.100	0.090	0.082	0.074	0.067	0.058	0.048
0.164	0.146	0.134	0.124	0.116	0.110	0.105	0.100	0.092	0.084	0.076	0.069	0.062	0.053	0.043
0.150	0.133	0.121	0.113	0.106	0.100	0.094	0.089	0.083	0.077	0.071	0.064	0.057	0.049	0.040
0.000	0.121	0.110	0.102	0.096	0.091	0.086	0.081	0.075	0.070	0.065	0.059	0.052	0.045	0.000
0.120	0.108	0.099	0.092	0.087	0.082	0.077	0.073	0.068	0.063	0.058	0.053	0.047	0.040	0.031
0.106	0.098	0.091	0.085	0.080	0.075	0.070	0.066	0.062	0.057	0.053	0.048	0.042	0.036	0.027
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

ASSEMBLY LABEL: Q233 SERIAL = Q233 IA,JA,K = 15,12,13 SEG TYPE/ROT 14/ 1
BATCH = 14 216 PINS
ASSEM RPF = 0.362 ASSEM RPD = 0.358 PLANAR RPD = 0.330 AVE/PEAK GWD/T = 42.37/47.34
PEAK PIN = 0.706 MAX PIN XY = 0.650 MAX CHA = 0.624 PEAK KW/FT = 3.613
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 118.534

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.650 LOCATION = 1, 1

0.650	0.625	0.602	0.586	0.000	0.539	0.509	0.486	0.463	0.446	0.000	0.401	0.375	0.347	0.348
0.628	0.591	0.580	0.559	0.540	0.513	0.488	0.458	0.444	0.425	0.407	0.384	0.362	0.328	0.317
0.591	0.595	0.570	0.546	0.522	0.499	0.478	0.457	0.435	0.414	0.395	0.378	0.334	0.325	0.308
0.561	0.560	0.532	0.509	0.488	0.465	0.443	0.422	0.403	0.384	0.368	0.351	0.336	0.307	0.294
0.000	0.529	0.499	0.476	0.425	0.434	0.412	0.393	0.375	0.359	0.319	0.327	0.313	0.289	0.000
0.497	0.494	0.467	0.445	0.425	0.405	0.386	0.369	0.350	0.333	0.318	0.303	0.291	0.269	0.258
0.461	0.461	0.439	0.416	0.397	0.379	0.366	0.353	0.331	0.311	0.295	0.281	0.271	0.249	0.239
0.434	0.404	0.411	0.389	0.370	0.355	0.345	0.000	0.312	0.289	0.274	0.261	0.253	0.228	0.223
0.406	0.405	0.384	0.364	0.345	0.329	0.317	0.305	0.285	0.267	0.253	0.242	0.233	0.215	0.208
0.385	0.380	0.358	0.339	0.322	0.305	0.289	0.275	0.260	0.246	0.234	0.223	0.215	0.200	0.195
0.000	0.356	0.334	0.315	0.278	0.282	0.265	0.251	0.238	0.226	0.201	0.205	0.197	0.184	0.000
0.333	0.328	0.308	0.290	0.274	0.258	0.243	0.229	0.217	0.205	0.195	0.186	0.179	0.166	0.163
0.304	0.302	0.284	0.267	0.251	0.235	0.221	0.209	0.197	0.185	0.176	0.167	0.160	0.148	0.144
0.281	0.259	0.261	0.245	0.231	0.215	0.200	0.175	0.176	0.166	0.158	0.149	0.141	0.127	0.124
0.261	0.244	0.227	0.214	0.000	0.185	0.170	0.159	0.148	0.140	0.000	0.123	0.115	0.108	0.099

ASSEMBLY LABEL: P217 SERIAL = P217 IA,JA,K = 16,11,13 SEG TYPE/ROT 10/ 1
BATCH = 9 216 PINS
ASSEM RPF = 0.200 ASSEM RPD = 0.198 PLANAR RPD = 0.183 AVE/PEAK GWD/T = 45.93/51.13
PEAK PIN = 0.421 MAX PIN XY = 0.388 MAX CHA = 0.362 PEAK KW/FT = 2.154
@ 1, 1 @ 1, 1 @ 1, 1 PEAK W/CM = 70.658

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.388 LOCATION = 1, 1

0.388	0.366	0.354	0.347	0.000	0.328	0.314	0.304	0.294	0.288	0.000	0.265	0.249	0.235	0.218
0.371	0.325	0.342	0.334	0.327	0.315	0.304	0.269	0.283	0.274	0.264	0.250	0.237	0.206	0.202
0.343	0.341	0.331	0.320	0.310	0.301	0.292	0.282	0.271	0.259	0.247	0.236	0.215	0.202	0.182
0.321	0.317	0.305	0.296	0.286	0.277	0.268	0.259	0.247	0.237	0.225	0.214	0.202	0.183	0.165
0.000	0.295	0.282	0.273	0.265	0.255	0.246	0.237	0.227	0.216	0.205	0.193	0.181	0.165	0.000
0.274	0.271	0.261	0.252	0.243	0.235	0.227	0.218	0.208	0.197	0.185	0.174	0.163	0.146	0.129
0.249	0.249	0.240	0.231	0.224	0.216	0.211	0.203	0.192	0.179	0.168	0.157	0.146	0.129	0.112
0.229	0.201	0.220	0.212	0.204	0.198	0.194	0.000	0.176	0.162	0.152	0.141	0.131	0.105	0.098
0.209	0.208	0.201	0.193	0.186	0.179	0.175	0.168	0.158	0.146	0.136	0.126	0.116	0.101	0.086
0.192	0.190	0.182	0.175	0.168	0.162	0.155	0.148	0.140	0.131	0.122	0.113	0.103	0.090	0.076
0.000	0.172	0.163	0.158	0.152	0.145	0.139	0.132	0.125	0.117	0.109	0.101	0.091	0.080	0.000
0.154	0.153	0.146	0.141	0.136	0.130	0.124	0.118	0.111	0.104	0.097	0.090	0.081	0.070	0.059
0.134	0.134	0.130	0.125	0.120	0.115	0.110	0.105	0.099	0.093	0.086	0.079	0.072	0.062	0.051
0.116	0.103	0.112	0.109	0.106	0.101	0.096	0.080	0.086	0.081	0.076	0.070	0.063	0.050	0.045
0.097	0.095	0.092	0.090	0.000	0.083	0.079	0.075	0.071	0.068	0.000	0.059	0.053	0.048	0.040

ASSEMBLY LABEL: P225 SERIAL = P225 IA,JA,K = 16,10,13 SEG TYPE/ROT 10/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.284 ASSEM RPD = 0.281 PLANAR RPD = 0.259 AVE/PEAK GWD/T = 45.45/51.30
PEAK PIN = 0.499 MAX PIN XY = 0.459 MAX CHA = 0.448 PEAK KW/FT = 2.553
@ 1, 2 @ 1, 2 @ 1, 3 PEAK W/CM = 83.744

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.459 LOCATION = 1, 2

0.443	0.459	0.457	0.458	0.000	0.448	0.437	0.431	0.426	0.424	0.000	0.412	0.402	0.400	0.408
0.413	0.392	0.439	0.437	0.434	0.427	0.420	0.365	0.408	0.404	0.400	0.392	0.385	0.337	0.370
0.386	0.397	0.409	0.402	0.397	0.393	0.387	0.383	0.377	0.372	0.365	0.361	0.358	0.354	0.341
0.363	0.370	0.376	0.372	0.366	0.361	0.357	0.353	0.347	0.342	0.338	0.335	0.330	0.329	0.319
0.000	0.344	0.347	0.342	0.338	0.333	0.330	0.325	0.321	0.316	0.313	0.308	0.304	0.306	0.000
0.310	0.315	0.320	0.315	0.310	0.308	0.304	0.301	0.296	0.293	0.287	0.284	0.282	0.281	0.272
0.281	0.288	0.294	0.289	0.285	0.283	0.285	0.283	0.277	0.269	0.265	0.261	0.259	0.257	0.247
0.257	0.242	0.270	0.266	0.262	0.260	0.262	0.000	0.256	0.247	0.243	0.240	0.238	0.208	0.227
0.235	0.241	0.246	0.241	0.239	0.236	0.237	0.236	0.232	0.225	0.222	0.219	0.217	0.215	0.207
0.216	0.220	0.223	0.219	0.216	0.215	0.212	0.210	0.207	0.204	0.201	0.199	0.197	0.196	0.190
0.000	0.200	0.201	0.198	0.196	0.193	0.191	0.189	0.186	0.183	0.182	0.179	0.178	0.178	0.000
0.175	0.178	0.181	0.179	0.176	0.174	0.171	0.170	0.167	0.165	0.163	0.161	0.159	0.158	0.153
0.153	0.157	0.155	0.159	0.157	0.155	0.153	0.152	0.149	0.147	0.145	0.143	0.142	0.139	0.133
0.133	0.126	0.136	0.135	0.135	0.132	0.130	0.117	0.126	0.125	0.124	0.121	0.119	0.107	0.115
0.111	0.113	0.112	0.113	0.000	0.110	0.107	0.105	0.104	0.104	0.000	0.100	0.096	0.094	0.092

ASSEMBLY LABEL: P249 SERIAL = P249 IA,JA,K = 16, 9,13 SEG TYPE/ROT 10/ 3
BATCH = 9 216 PINS
ASSEM RPF = 0.309 ASSEM RPD = 0.306 PLANAR RPD = 0.282 AVE/PEAK GWD/T = 46.75/51.04
PEAK PIN = 0.519 MAX PIN XY = 0.478 MAX CHA = 0.464 PEAK KW/FT = 2.655
@ 1, 2 @ 1, 2 @ 1, 3 PEAK W/CM = 87.094

'2PXP' - PLANAR PIN POWERS (K-PLANE = 1.0) PEAK = 0.478 LOCATION = 1, 2

0.470	0.478	0.474	0.477	0.000	0.476	0.469	0.469	0.469	0.473	0.000	0.471	0.464	0.464	0.466
0.426	0.403	0.452	0.453	0.454	0.452	0.449	0.397	0.448	0.449	0.450	0.447	0.445	0.395	0.436
0.393	0.405	0.420	0.417	0.416	0.415	0.414	0.415	0.413	0.412	0.410	0.411	0.414	0.415	0.406
0.368	0.377	0.387	0.386	0.384	0.383	0.382	0.382	0.380	0.379	0.379	0.381	0.380	0.385	0.382
0.000	0.351	0.357	0.356	0.355	0.353	0.353	0.352	0.351	0.349	0.350	0.350	0.350	0.358	0.000
0.313	0.322	0.330	0.328	0.326	0.327	0.326	0.326	0.324	0.323	0.321	0.321	0.324	0.328	0.326
0.284	0.295	0.304	0.302	0.300	0.301	0.305	0.305	0.303	0.297	0.296	0.295	0.297	0.300	0.296
0.261	0.248	0.280	0.277	0.276	0.276	0.281	0.000	0.279	0.273	0.271	0.271	0.273	0.243	0.272
0.238	0.247	0.255	0.253	0.252	0.251	0.254	0.255	0.253	0.248	0.247	0.247	0.248	0.251	0.248
0.219	0.226	0.232	0.230	0.228	0.228	0.227	0.227	0.226	0.225	0.224	0.224	0.226	0.229	0.228
0.000	0.205	0.209	0.208	0.207	0.205	0.205	0.204	0.203	0.203	0.203	0.203	0.204	0.208	0.000
0.177	0.183	0.188	0.187	0.186	0.185	0.184	0.184	0.183	0.182	0.182	0.183	0.183	0.186	0.185
0.155	0.161	0.161	0.166	0.165	0.165	0.164	0.164	0.163	0.163	0.162	0.162	0.164	0.165	0.163
0.134	0.130	0.141	0.142	0.142	0.141	0.140	0.128	0.139	0.139	0.140	0.139	0.138	0.128	0.142
0.112	0.116	0.117	0.118	0.000	0.118	0.116	0.115	0.115	0.116	0.000	0.116	0.114	0.114	0.115