DOT/FAA/AR-08/51

Air Traffic Organization
Operations Planning
Office of Aviation Research
and Development
Washington, DC 20591

Structural Testing and Analysis of Honeycomb Sandwich Composite Fuselage Panels

December 2008

Final Report

U.S. Department of Transportation
Federal Aviation Administration

NOTICE

This report is available at the Federal Aviation Administration William J. Hughes Technical Center's Full-Text Technical Reports page: actlibrary.tc.faa.gov in Adobe Acrobat portable document format (PDF).

Technical Report Documentation Page

1. Report No.	2. Government Accession No.	3. Recipient's Catalog No.
DOT/FAA/AR-08/51		

4. Title and Subtitle	5. Report Date
STRUCTURAL TESTING AND ANALYSIS OF HONEYCOMB SANDWICH COMPOSITE FUSELAGE PANELS	December 2008
	6. Performing Organization Code

7. Author(s)	8. Performing Organization Report No.
Frank A. Leone, John G. Bakuckas, Peter Shyprykevich, and Curtis Davies	

9. Performing Organization Name and Address	10. Work Unit No. (TRAIS)
Federal Aviation Administration William J. Hughes Technical Center Airport and Aircraft Safety Research and Development Division Airworthiness Assurance Branch Atlantic City International Airport, NJ 08405	11. Contract or Grant No.

12. Sponsoring Agency Name and Address	13. Type of Report and Period Covered
U.S. Department of Transportation Federal Aviation Administration Air Traffic Organization Operations Planning Office of Aviation Research and Development Washington, DC 20591	Final Report
	14. Sponsoring Agency Code ANM-100

15. Supplementary Notes

This research was a joint sponsored activity with the Aging Aircraft/Continued Airworthiness Program and the Advanced Materials and Structures Program.

16. Abstract

This study investigated the damage tolerance characteristics and failure mechanisms of six honeycomb sandwich composite fuselage panels subjected to quasi-static pressurization and axial loading using the Full-Scale Aircraft Structural Test Evaluation and Research (FASTER) fixture located at Federal Aviation Administration William J. Hughes Technical Center, Atlantic City International Airport, NJ. The FASTER fixture is capable of testing full-scale fuselage panel specimens under conditions representative of those seen by an aircraft in actual operation. The faster fixture is capable of applying pressurization, axial, hoop, and shear loads to a fuselage panel. The damage tolerance of composite sandwich panels with impact damage, holes, and notches under in-plane tensile and compressive loading was previously investigated at coupon and element-scale levels. A typical airframe predominantly experiences in-plane loads, although damaged regions may experience localized out-of-plane bending and bulging due to internal pressurization. The objective of these tests was to study the effects of holes and notches on the damage tolerance of full-scale, curved composite panels that reflect a typical sandwich fuselage structure subjected to combined loading. All six panels were loaded quasi-statically up to failure, studying damage growth and strain redistribution behavior with increasing load and recording the residual strength. The test articles were instrumented with strain gages near the damage and in the far-field regions for strain surveys. A digital image correlation method was used to obtain full-field displacement and strain measurements at equal load intervals and after any visible surface damage was observed. The acoustic emission method was used to monitor for damage growth in real time and served as an early warning for imminent failure. Several nondestructive inspection methods, including flash thermography and computer-aided tap testing, were used to scan for nonvisual damage.

17. Key Words	18. Distribution Statement
Composite, Honeycomb, Residual strength, Damage tolerance, Fuselage	This document is available to the U.S. public through the National Technical Information Service (NTIS), Springfield, Virginia 22161.

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price
Unclassified	Unclassified	259	

ACKNOWLEDGMENTS

The authors wish to acknowledge the support of David Galella and Paul Swindell of the Federal Aviation Administration William J. Hughes Technical Center for facilitating the nondestructive test equipment used in this study, Didem Ozevin and Valery Godinez from Physical Acoustics Corporation for their support in the acoustic-emission studies, and K.S. Raju and John Tomblin of Wichita State University for their contributions. In addition, thanks are due to Mr. Bao Mosinyi from Syport Systems for his assistance in the experimental phase of the work. The authors would also like to acknowledge Professors J. Awerbuch, A. Lau, and T. Tan from the Department of Mechanical Engineering and Mechanics of Drexel University for their input and guidance.

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

LIST OF ACRONYMS

AE	Acoustic emission
CATT	Computer-Aided Tap Tester
FAA	Federal Aviation Administration
FASTER	Full-Scale Aircraft Structural Test Evaluation and Research
FE	Finite element
ISU	Iowa State University
PAC	Physical Acoustics Corporation
RTV	Room-temperature vulcanization

EXECUTIVE SUMMARY

This study investigated the damage tolerance characteristics and failure mechanisms of six honeycomb sandwich composite fuselage panels subjected to quasi-static pressurization and axial loading using the Full-Scale Aircraft Structural Test Evaluation and Research (FASTER) fixture located at the Federal Aviation Administration William J. Hughes Technical Center, Atlantic City International Airport, NJ. The FASTER fixture is capable of testing full-scale fuselage panel specimens under conditions representative of those seen by an aircraft in actual operation. The lay-up of the test articles represents a typical general aviation sandwich composite aircraft fuselage structure.

The damage tolerance of composite sandwich panels with impact damage, holes, and notches under in-plane tensile and compressive loading was previously investigated at coupon and element-scale levels. A typical airframe predominantly experiences in-plane loads, although damaged regions may experience localized out-of-plane bending and bulging due to internal pressurization. The objective of these tests was to study the effects of holes and notches on the damage tolerance of full-scale, curved composite panels that reflect a typical sandwich fuselage structure subjected to combined loading.

The test articles were instrumented with strain gages near the simulated damage regions and in the far-field regions for strain surveys. A digital image correlation method was used to obtain full-field displacement and strain measurements at equal load intervals and after any visible surface damage was observed. The acoustic emission method was used to monitor damage growth in real time and to serve as an early warning for imminent failure. Several nondestructive inspection methods, including flash thermography and computer-aided tap testing, were used to scan for nonvisual damage.

The test results provided data on the residual strength and failure modes of fuselages constructed of honeycomb sandwich composite structure. These fuselages are typically without intermediate stiffeners or frames to contain damage growth after a catastrophic failure event. This study validated test data and predictions from earlier coupon and element-scale research and provided an accurate assessment of sandwich damage tolerance and design principles for use in aircraft.

1. INTRODUCTION.

Rising operating costs are driving aircraft manufacturers to reduce weight and improve efficiency by using more composite materials in aircraft design. Composite honeycomb sandwich fuselage designs have been used quite successfully in general aviation and commuter aircraft. Compared to conventional structure, the advantages included weight savings, an increase in bending rigidity and in-plane strength and stiffness, and improved stability.

A technical challenge in airplane sandwich design is to adequately predict residual strength of a damaged structure [1]. Classical damage tolerance philosophy, which has been used in the design of conventional metallic airplane structures for a long time, cannot be directly applied to composite sandwich structure for several reasons. First, damage in composite structure is seldom representative of a single dominant crack needed to apply continuum fracture mechanics principles. Due to its heterogeneous nature, damage in composite sandwich structure is much more complex than in conventional metallic materials. It can be quite extensive, yet nonvisual, and can pose difficulties with regard to inspections and estimating the residual strength, given a known damage state. In addition, there was a general lack of understanding of the failure mechanisms and their interaction in the overall structural response. Linear engineering models typically are not equipped to handle the complex nonlinear behavior exhibited by composite sandwich structure and usually have limited predictive capability. Empirical approaches, based on experimental data from coupon, subcomponent, and full-scale testing, are time-consuming and very costly. As summarized in reference 1, there was a lack of models to predict the structural response, damage progression, and residual strength. The Federal Aviation Administration (FAA) has performed several studies to address these concerns. Methodologies were developed and validated in a building-block approach at the coupon and subcomponent levels [1-5].

In this study, the damage tolerance characteristics of several honeycomb sandwich composite fuselage panels were studied. Panels were subjected to quasi-static pressurization and longitudinal loading. The objective of these tests was to study the effects of various damage scenarios, such as holes and notches, on the strain redistribution behavior and residual strength of composite panels that reflect typical honeycomb sandwich fuselage structure subjected to combined loading. Typically, these fuselages are without intermediate stiffeners or frames to contain damage growth after a catastrophic event, such as a blade separation. Therefore, knowledge of composite structures' ability to withstand damage growth, given severe initial damage states, is of particular interest. This study will provide test data to validate predictions from earlier coupon and subelement research and will provide an accurate assessment of sandwich damage tolerance and design principles for use in aircraft.

2. EXPERIMENTAL PROCEDURE.

2.1 FULL-SCALE AIRCRAFT STRUCTURAL TEST EVALUATION AND RESEARCH FACILITY.

These honeycomb sandwich composite aircraft fuselage damage tolerance studies were conducted at the Full-Scale Aircraft Structural Test Evaluation and Research (FASTER) facility, located at the FAA William J. Hughes Technical Center, Atlantic City International Airport, NJ.

The FASTER fixture, shown in figure 1, is capable of subjecting full-scale curved fuselage panels to loadings representative of those experienced by an aircraft under actual operation conditions.

Figure 1. The FASTER Fixture

The FASTER fixture features a unique adaptation of mechanical, fluid, and electronic components and is capable of applying pressurization, hoop, longitudinal, and shear loads to a fuselage panel [6]. The panel is set on top of a D-shaped pressure box and bonded with an elastomeric seal. The system is capable of using either air or water as the pressurizing medium, although water was used in each of the composite panel tests. Hoop- and longitudinal-edge loads are applied to the panel by 14 hoop and 8 longitudinal water-actuated lever arms. Loads were applied to the panels via 28, 0.5″ diameter holes along each hoop edge and along 16 holes on each longitudinal edge.

2.2 PANEL DESCRIPTION.

The fuselage panels used in this study were constructed of a honeycomb sandwich composite material representative of those currently used in certain general aviation-class aircraft. The panels were fabricated by Adam Aircraft Industries (Englewood, CO) using a Toray Composites T700SC-12K-50C/#2510 plain weave carbon fabric prepreg of 0.0085″ thickness in the facesheets and a Plascore PN2-3/16-3.0 Nomex honeycomb core of 0.75″ thickness in the central test section. The lay-up within the test section of the panel was $[45/0/45/Core]_s$.

The material within the load application region, along the panel edges, was reinforced to avoid local failures at the load application points. The honeycomb core in the load application region was filled with a stiffening epoxy and had a reduced thickness of 0.375″. The facesheets in the load application region also contained additional plies to increase the in-plane stiffness. The lay-up within the load application section of the panel was $[45/45/0/45/0/45/0/45/0/45/0/45/45/Core]_s$.

The panels were 125″ long and 73″ wide with an internal radius of 74″. Detailed drawings of the panel geometry are provided in appendix A. Unlike the metallic aircraft fuselage panels

previously evaluated using the FASTER fixture, the composite panels had no frames or other substructure components.

2.3 PANEL CONFIGURATIONS.

Six panels (designated CP1 through CP6) were tested throughout the course of this study. A summary of these six panels is provided in table 1, and further details are provided in appendix A. Panel CP1 contained no artificial damage and was used to collect baseline data for use in the calibrations of inspection methods and computer models. After the required baseline data was collected from this panel, artificial damage was introduced in the form of a 3″ x 3″ cross through the exterior (convex) facesheet. This configuration of the original panel was designated as CP1A. A more severe artificial-damage state was later introduced to panel CP1A in the form of a 10″ long by 1/16″ wide longitudinal notch through the full thickness of the panel. This configuration of the original panel was designated as CP1B.

Table 1. Summary of Panel Damage Configurations

Panel No.	Damage Configuration
CP1	Baseline
CP1A	3″ x 3″ cross, exterior (convex) facesheet
CP1B	10″ x 1/16″ longitudinal notch, through the thickness
CP2	10″ diameter hole, exterior (convex) facesheet
CP3	10″ x 1/2″ circumferential notch, through the thickness
CP4	10″ x 1/2″ circumferential notch, through the thickness
CP5	10″ x 1/2″ longitudinal notch, through the thickness
CP6	10″ x 1/2″ 45º inclined notch, through the thickness

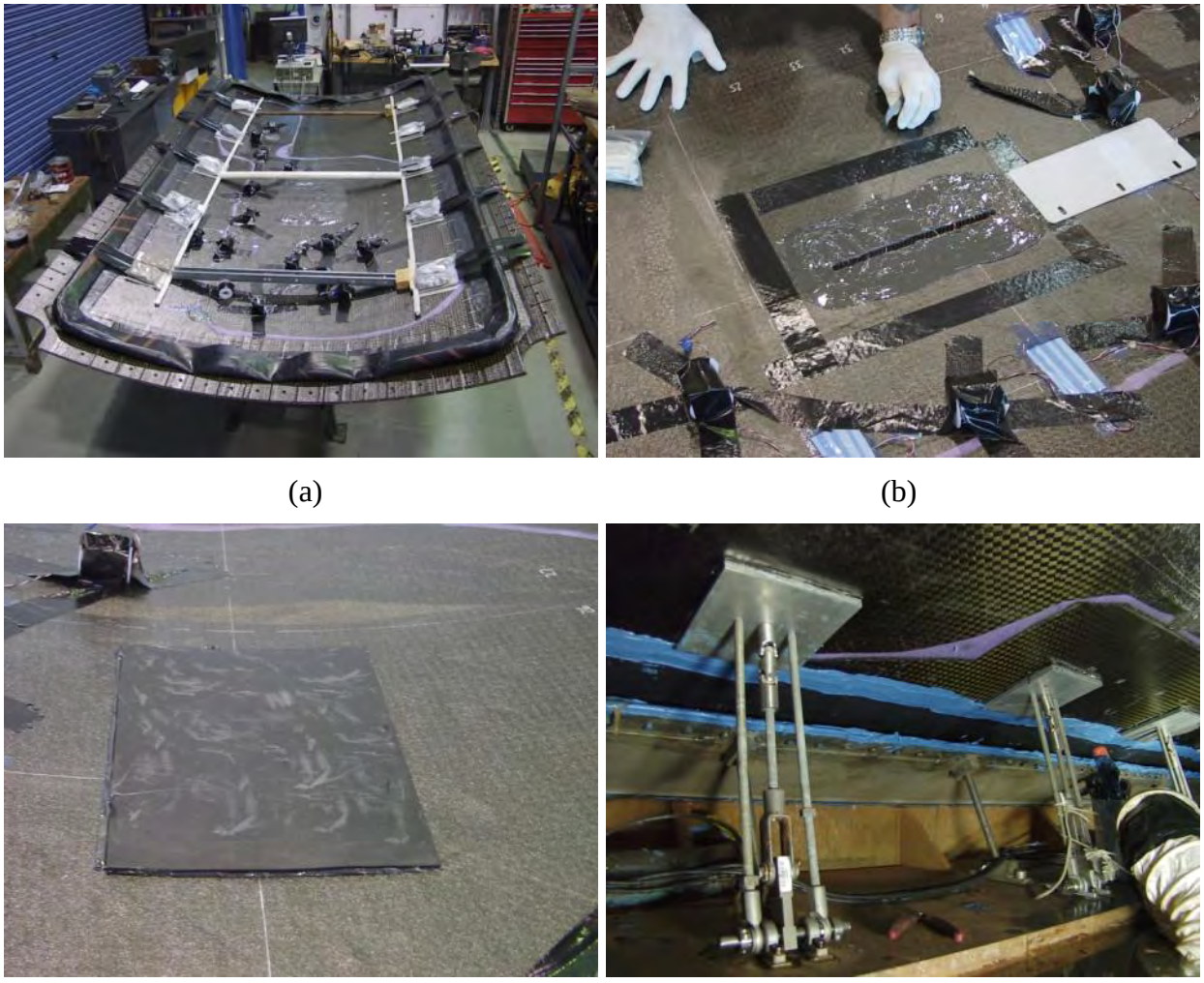
Panel CP2 contained a 10″ diameter hole through the exterior (convex) facesheet. Panel CP2 was intended to represent a debonded repair patch. Panels CP3 and CP4 contained 10″ long, 1/2″ wide longitudinal through-the-thickness notches. Panel CP5 contained a 10″ long, 1/2″ wide circumferential through-the-thickness notch. Panel CP6 contained a 10″ long, 1/2″ wide through-the-thickness notch oriented 45º from the longitudinal direction of the panel. Damage scenarios in panels CP3 through CP6 were intended to represent sites of high-energy discrete source damage, such as that resultant of a blade separation.

2.4 PANEL PREPARATION.

The panels were connected to the FASTER fixture pressure box via an elastomeric seal installed along the outer edge of the test section. The seal was bonded to the panel using PR-1422 Class B aircraft fuel tank sealant over an area approximately 4″ wide along the outer perimeter of the test section, as shown in figure 2(a). The pressure box seals were connected to the pressure box by tightening a series of equally spaced bolts over a layer of room-temperature vulcanization (RTV) silicone sealant.

Panels that contained through-the-thickness damage required that a seal be installed on the interior (concave) facesheet to contain the pressurizing medium during the tests involving the application of hoop loads and pressurization. A thin, hard plastic sheet was bonded directly to the panel using PR-1422 Class B aircraft fuel tank sealant, figure 2(b). The width of the bonded area between the hard plastic sheet and the panel was approximately 2″. The hard plastic layer served to stop the seal from bulging through the through-the-thickness damage openings.

The next layer of the patch was a thin rubber sheet, approximately 20″ by 10″, bonded to the panel and hard plastic sheet by PR-1422 Class B aircraft fuel tank sealant. RTV silicone sealant was applied along the edges of each rubber seal to prevent water ingression under the patch, figure 2(c).



(a) (b)

(c) (d)

Figure 2. (a) Radial Linkage Plates and Bonded Pressure Box Seal During Cure Time, (b) Application of Hard Plastic Through-the-Thickness Seal, (c) Rubber Through-the-Thickness Seal, and (d) Radial Linkages

The composite panels were radially constrained by ten custom linkages, attached by 6″ by 6″ curved aluminum plates bonded to the concave surface of each panel using PR-1422 Class B aircraft fuel tank sealant, figure 2(d). Each curved aluminum plate contained a threaded center hole that served as a connection point for the linkages. The opposite ends of the linkages were bolted to the base of the pressure box. To avoid unintended application of out-of-plane bending to the panels, the linkages contained two hinges and a double universal joint to allow for sufficient degrees of freedom. The exact locations of the radial linkage connection plates on the concave surface of the panel are detailed in appendix A.

2.5 INSPECTION AND MONITORING METHODS.

2.5.1 Strain Gages.

Strain gages were installed on each of the composite panels to ensure symmetry of load application and for real-time monitoring of the panel strains. Strain readings were recorded during holds occurring at equal load intervals up to the maximum applied loads. Strain and load data were also continuously recorded to a buffer file at a frequency of 150 Hz.

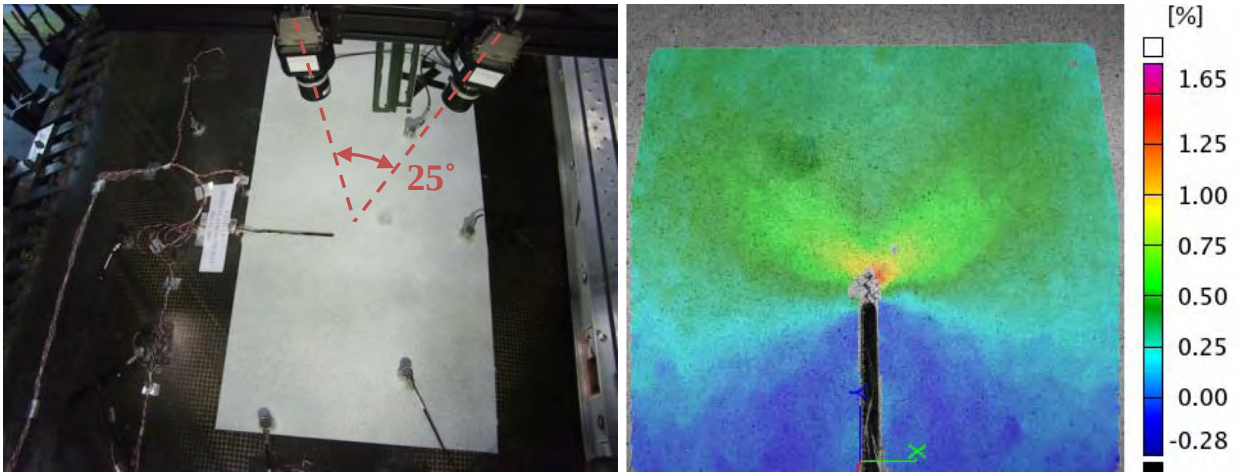
The test section of each panel was instrumented with biaxial strain gages oriented to measure strain in the longitudinal and hoop directions. Back-to-back pairs were installed on both the concave and convex surfaces of the panels. Each panel was instrumented with these pairs of strain gages spaced 12″ apart along one-half of the test section perimeter, with an additional pair in an adjacent corner. As such, the symmetry of loads and strains across the panel could be evaluated by comparing the measured results from the three gaged corners of the panels. Additional strain gages were installed in proximity to the sites of expected strain concentrations near the artificial damage sites. Detailed strain gage maps for each panel are provided in appendix A.

2.5.2 Deformation and Strain Photogrammetry.

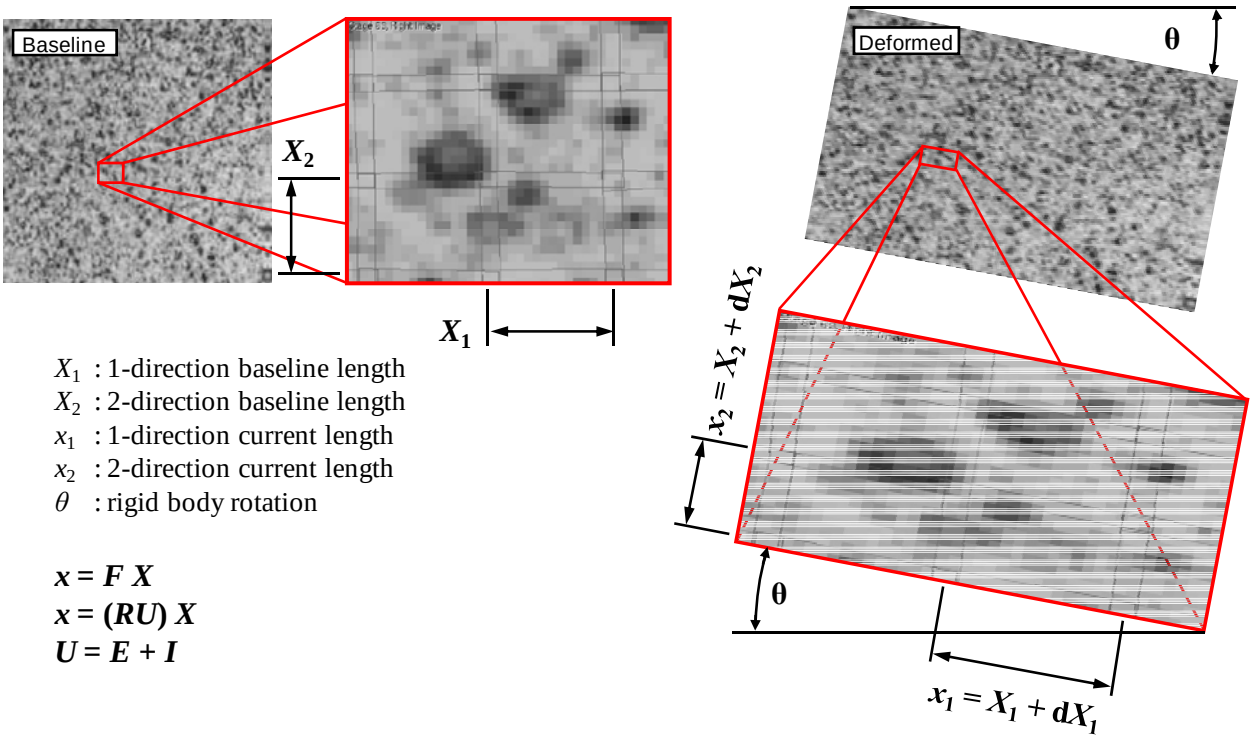
Full-field deformation and strain data were recorded during the loading of the test panels using the ARAMIS three-dimensional deformation and strain photogrammetry system. The system, using two 4-megapixel cameras, is capable of accurately measuring full-field strain within 50 με. Prior to testing, the areas to be monitored by the photogrammetry system were coated with a high-contrast stochastic speckle pattern. Flat black spray paint was used to create a random pattern over a flat white layer. The coarseness of the pattern directly affects the resolution of the measured strain field. Baseline images were taken using both cameras at zero load. Additional images were recorded using both cameras at either 10% or 20% intervals, up to the maximum planned load. The system setup is shown in figure 3(a).

A grid of user-definable resolution is superimposed over one of the captured baseline images to define the set of points to be used in the deformation and strain calculations. The grayscale distribution within each grid element is used to first recognize and locate the same element in the corresponding baseline image, and then in the subsequent loaded image pairs. A deformation gradient tensor, $\boldsymbol{F}$, is calculated between each of the image pairs. The deformation gradient tensor transforms one set of spatial coordinates to another, and can be decomposed into the rigid body rotation tensor, $\boldsymbol{R}$, and the right stretch tensor, $\boldsymbol{U}$. The right stretch tensor is approximately

equal to the strain tensor summed with an identity matrix. An example of the calculated longitudinal strain field for panel CP3 is shown in figure 3(b). An example of the stochastic pattern and the rigid body rotation and stretch decomposition of the deformation gradient tensor is shown in figure 3(c).



(a) (b)



X_1 : 1-direction baseline length
X_2 : 2-direction baseline length
x_1 : 1-direction current length
x_2 : 2-direction current length
θ : rigid body rotation

$$\boldsymbol{x} = \boldsymbol{F}\,\boldsymbol{X}$$
$$\boldsymbol{x} = (\boldsymbol{RU})\,\boldsymbol{X}$$
$$\boldsymbol{U} = \boldsymbol{E} + \boldsymbol{I}$$

(c)

Figure 3. (a) Photogrammetry System Setup for Panel CP3, (b) Panel CP3 Calculated Longitudinal Strain Field, and (c) Example of Applied Stochastic Pattern and Strain Calculation Method

Deformation and strain data measurements using this photogrammetric system were validated by comparing calculated full-field displacement and strain results to strain gage data and finite element (FE) results. To compare with pointwise strain gage data, the full-field data is averaged over the area covered by a strain gage. Since no strain gages were located in the areas monitored by the photogrammetry system, symmetry across the major axes of the panels was assumed for comparison purposes.

2.5.3 Acoustic Emission.

The acoustic emission (AE) method uses a system of sensors to monitor for internal stress waves resultant of damage formation and propagation within a material. As such, AE is a real-time, passive, nondestructive evaluation method, meaning it is not necessary to artificially excite the material to characterize the state of damage. Because of the complex nature of composite materials, the waveforms recorded by the sensors are significantly altered during its propagation through the material. Rather than attempting to transform the recorded waveform back to its original shape, certain characteristics of the waveform are extracted and analyzed. These characteristics include amplitude, rise time, duration, counts, and energy.

AE data were collected during these tests to monitor damage growth in real time to serve as an early-warning system for any major impending failure events and to assist in locating areas of interest for further nondestructive and destructive posttest analyses. Equipment was supplied by Physical Acoustics Corporation (PAC).

Emission characteristic and waveform data were collected at a maximum rate of 5 MHz with a hit definition time of 0.8 milliseconds and a hit lockout time of 1 millisecond. The threshold value was set to 40 dB. PAC Model 1220 preamplifiers were used, having a gain of 40 dB, a 20-kHz high-pass filter, and a 400-kHz low-pass filter. PAC model R15 sensors were initially used, having an operating range between 50 and 200 kHz and a resonant frequency of 150 kHz. A later spectroscopic study showed that PAC R6 sensors, having an operating range between 35 and 100 kHz and a resonant frequency of 55 kHz, were more sensitive to the spectrum of the emissions being detected. Sensors were placed at 45-degree intervals around the areas of interest of each test panel, see figure 4. AE data were collected only for residual strength tests; no data were collected during strain surveys.

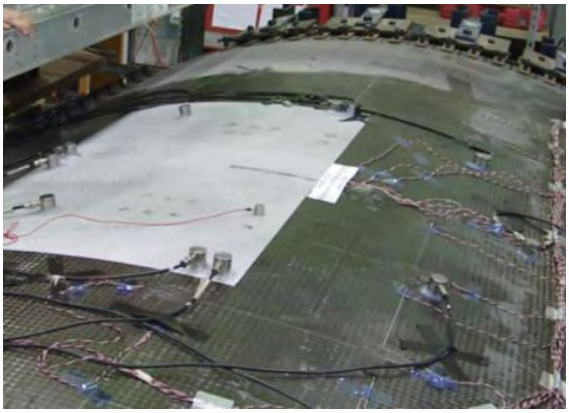


Figure 4. Acoustic Emission Sensor Layout for Panel CP4

2.5.4 Thermography.

The EchoTherm® flash thermography system, developed by Thermal Wave Imaging, Inc., was used to inspect the panels for nonvisual defects and damage. In flash thermography, a brief pulse of light energy from a flash lamp is used to heat the surface of a sample, while an infrared camera records changes in the surface temperature as the sample cools. The surface temperature falls predictably as heat from the surface diffuses into the sample. The surface cooling is affected by internal flaws, such as disbonds, voids, or inclusions, which obstruct the flow of heat into the sample [7].

The FAA Airworthiness Assurance Nondestructive Inspection Validation Center at Sandia National Laboratories provided the system and established the inspection procedure using a sample of the composite sandwich panels. The system provides an image of approximately 6″ by 5″ and is capable of taking single or multiple images established in a grid pattern. The concave and convex surfaces of each panel were inspected before and after the residual strength tests.

2.5.5 Computer-Aided Tap Test.

Tap testing was conducted as another method to detect nonvisual damage. For these panel tests, tap testing was performed using the Computer-Aided Tap Tester (CATT) developed by Iowa State University (ISU). The CATT is a portable inspection device based on the "coin tap" method, but with capabilities that allow it to produce quantitative images from what has traditionally been only an audible test. The CATT consists of a brass-tipped accelerometer (impactor), electronic circuitry for conditioning the signal and measuring the impact duration, and a laptop computer that contains data acquisition and processing software, figure 5.

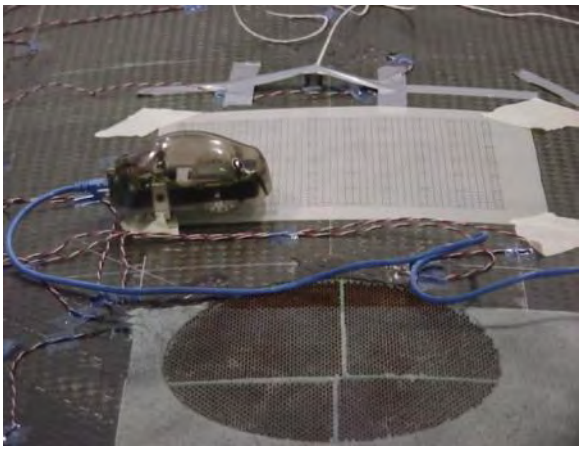


Figure 5. Computer-Aided Tap Tester Impactor

Based on previous ISU research, it was found that for a wide variety of composite aircraft components, a simple spring model may be used to describe the response to a tap [8]. From the spring model, the local stiffness may be deduced by knowing the measured impact duration and the mass of the impactor. The impact duration, as well as the deduced local stiffness, can then be used for producing an image of the tested area. The images reveal not only the defects and

damages in a part, but also the normal panel structure, such as core splices and ply overlays. The impact duration image shows damage as regions of abnormally large impact duration, whereas the image, based on the computed local stiffness, shows the quantitative stiffness value of the structure as a function of position. This stiffness was shown to agree with that obtained from mechanical load tests and is independent of the mass of the tapper used.

Prior to a residual strength test, tap test data was collected only from areas in close proximity to the artificial damage sites and from areas suspected of additional pretest damage, such as skin-to-core disbonds. After a residual strength test, the originally measured areas and the regions surrounding any surface damage were inspected. Data points were collected in a 0.25″ resolution grid.

2.6 APPLIED LOADS.

The loads for the residual strength test of each panel were applied in a configuration for which failure was most likely for the given state of initial damage. To gather strain distribution data for multiple loading configurations for each state of damage, low-load strain surveys were conducted for each panel, prior to its residual strength test. The strain surveys also served to ensure that the applied loads were properly balanced and that any desired symmetry was maintained. The applied load magnitudes of the strain surveys were typically between 25% and 30% of the maximum applied loads of the residual strength tests.

Three loading configurations were applied during the strain surveys for each panel: (1) hoop loading and pressurization, (2) longitudinal loading, and (3) combined hoop loading, longitudinal loading, and pressurization.

During each strain survey, both strain gage and full-field strain and displacement data were collected in five equal increments up to the maximum loads specified in table B-1 in appendix B. Loads were increased between steps over a period of thirty seconds, pausing at each load step to allow all loaders to reach their respective end points before taking any measurements. No AE data was recorded during the strain surveys, since it was assumed that no damage was being generated within the panels.

Residual strength tests were conducted for each panel containing an initial artificial damage state. Loads were applied in ten equal load increments up to the predicted failure loads, and up to the maximum capacity of the FASTER fixture (25,000 lb per loader) if a major failure was not achieved at the predicted load levels. The maximum loads for each panel are specified in table C-1 in appendix C. A major failure is characterized by the panel suddenly breaking into two pieces. A minor failure is characterized by either visual surface damage, such as matrix cracking and fiber breakage, or nonvisual subsurface damage as indicated by the AE results and posttest inspections.

During the residual strength tests of panels CP4 and CP5, the application of the loads was modified to isolate AE resultant of the fretting of existing fracture surfaces from the AE resultant of new damage formation. Loads were oscillated between 10% and 90% of the difference between the current and previous load steps to generate this pure friction emission data.

3. ANALYSIS PROCEDURE.

FE models were developed for each damage configurations. The models were developed and solved using ABAQUS 6.6-3 software. The panels were modeled as thick shells using S4R elements. The geometry of the modeled section of the panels was 110″ long and 67″ along the circumference, with a radius of approximately 74.4″ to the midplane of the panel.

Global material properties were determined using the individual lamina material properties, found in table 2, and classical laminate theory. The lay-up used for each model was [45/0/45/Core/45/0/45], with a facesheet lamina thickness of 0.0085″ and a core thickness of 0.75″.

Table 2. Finite Element Model Input Material Properties

Property	Toray T700SC-12K-50C/#2510	Plascore PN2-3/16-3.0 Core
E_{11}	8,300,000 psi	1 psi
E_{22}	8,100,000 psi	1 psi
G_{12}	620,000 psi	1 psi
ν_{12}	0.085	0
E_{13}	1 psi	6100 psi
E_{23}	1 psi	4100 psi

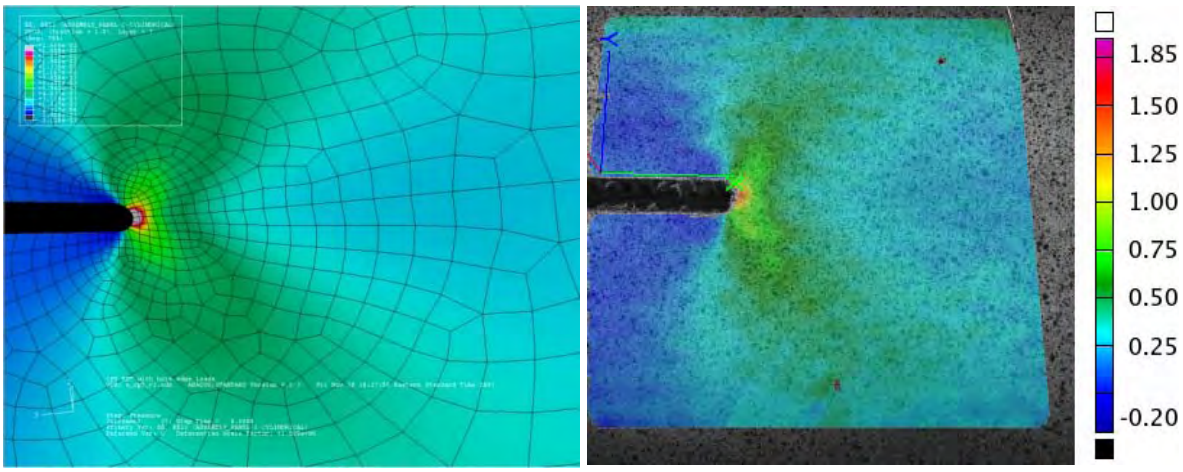
Polar symmetry boundary conditions were placed along the hoop edges to simulate the presence of a full fuselage structure. In addition, zero displacement boundary conditions were applied in the longitudinal direction at the centers of the hoop edges of the panels to fully constrain the model. Pressure loads were applied to the entire concave surface of the model, using the polar symmetry boundary conditions to cause reaction forces equal to the appropriate hoop loads. Uniformly distributed loads were applied along the hoop edges of the model, oriented normal to the edges, to simulate the tensile longitudinal loads resultant of the bending of a fuselage.

Models containing through-the-thickness damage configurations had additional shell edge loads applied around the perimeter of their damage. The magnitude of the applied load was equal to the area of the hole or notch, distributed over the edge of the damage. These loads were applied radially outward and in proportion to the pressure load.

The average far-field element length for all models was 1″. Panel CP1B contained a 1/16″ wide notch without rounded edges, requiring a near-field element length of approximately 0.015″. All other panels required near-field element lengths of approximately 0.1″.

In general, good agreement was found between the analytical predictions and experimental data. Figure 6 compares the strain distribution around one of the notch tips of panel CP5 during its residual strength test. Models were validated by comparing the diminishment of notch normal strain with increasing distance away from the notch tip, along its axis, predicted by the models and measured experimentally. Detailed comparisons of preliminary analytical results and the

experimental data for the strain distributions in close proximity to the notch tips are provided in appendix D.



(a) (b)

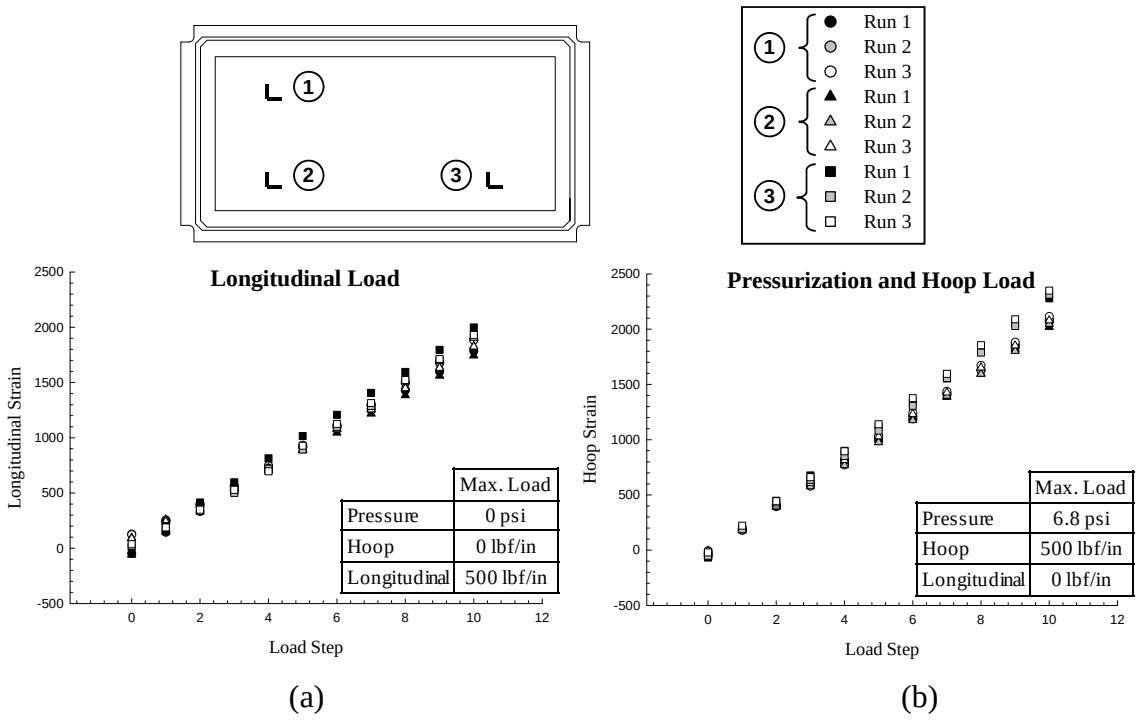
Figure 6. (a) Panel CP5 FE Model and (b) Panel CP5 Photogrammetry Data Showing Hoop Strain for 9.0-psi Pressure 666-lb/in. Hoop Load and 100-lb/in. Longitudinal Load

4. RESULTS AND DISCUSSION.

4.1 STRAIN SURVEYS.

Strain surveys were conducted to ensure that balanced loads were applied to each test panel and that a general symmetry across the major axes of the panel existed. This condition is necessary to verify the assumption that the full-field photogrammetry strain results monitored in one quadrant were similar throughout the panel prior to first observable damage. Strain data collected from groups of gages located at three corners of the panel's test section were used for these comparisons.

Representative data obtained from panel CP1 is shown in figure 7. The hoop and longitudinal strain from strain gages located at three corners of the panel are shown for three test runs for hoop and longitudinal loading conditions (500 lb/in.). Strain gage results were repeatable and uniform in the far-field of the test section, verifying that boundary effects from the loaders are negligible. Linearity of strain with load was also observed. Similar strain surveys were conducted for all panels prior to their residual strength tests.



(a) (b)

Figure 7. Comparison of (a) Longitudinal and (b) Hoop Strain Data from Gages Located in Three Corners of the Baseline Panel for Longitudinal Loading and Pressurization and Hoop Loading, Respectively

The detailed raw strain gage and load data from the strain surveys of each of the panels are provided in appendix B. Raw strain data from the strain surveys was reduced to remove any prestrain due to the installation of the panel into the fixture and any nonlinear effects due to any initial slack in the load application mechanisms. In the strain gage reduction, the first three data points were removed, and a linear regression using least squares was used to curve-fit the remaining data to a first-order polynomial. The detailed reduced strain gage data for all panels and loading configurations is shown in appendix B.

4.2 RESIDUAL STRENGTH TESTS.

Residual strength tests were conducted for panels CP1B through CP6. A detailed account of the residual strength test of panel CP1B is given below. Summaries of the residual strength test results of the remaining panels are provided in this section, with greater details found in the appendices.

4.2.1 Panel CP1B.

Panel CP1B contained a through-the-thickness 10″ long, 1/16″ thick longitudinal notch, located in the center of the panel. The maximum planned loads for the residual strength test of panel CP1B were 23.625-psi pressure and 1750-lb/in. hoop load. Ten equal load steps of 2.3625 psi and 175-lb/in. hoop load were planned. At a load of 11.8-psi pressure and 875-lb/in. hoop load the photogrammetry system showed a small local failure at one of the notch tips. At a load of

approximately 14.0-psi pressure and 1038-lb/in. hoop load, the panel failed and broke in half along its longitudinal axis.

A detailed plot of the applied loads and resulting strains in the proximity of the notch tips for the residual strength test of panel CP1B are provided in appendix C.

The coordinate system used for each panel has its origin located at the center of the panel, the x ordinate in the longitudinal direction, and the y ordinate in the hoop direction. Quadrants of the panel are labeled I through IV, moving counterclockwise, as shown in figure 8.

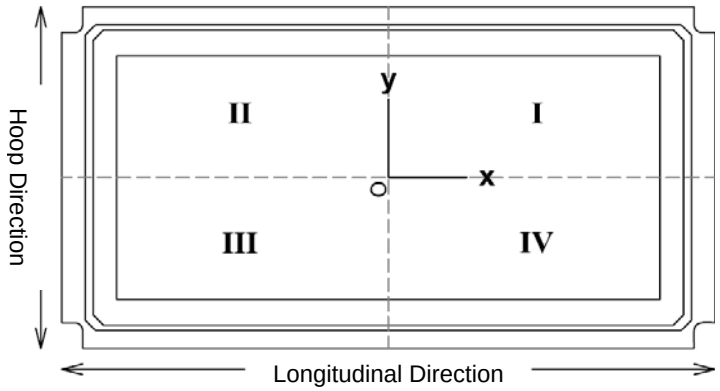


Figure 8. Panel Coordinate System

The hoop strain concentration at the longitudinal notch tip of CP1B extends away from the notch tip at ±45 degrees from the axis of the notch. Comparing figure 9(e) and figure 9(f), the locus of the extensions of the strain concentration moves away from the original notch tip toward the surface damage, which is first visible in figure 9(f). This suggests that the visible damage is an extension of the original notch. Figure 10 shows the hoop strain history for leading and pressurization of a particular panel up to failure.

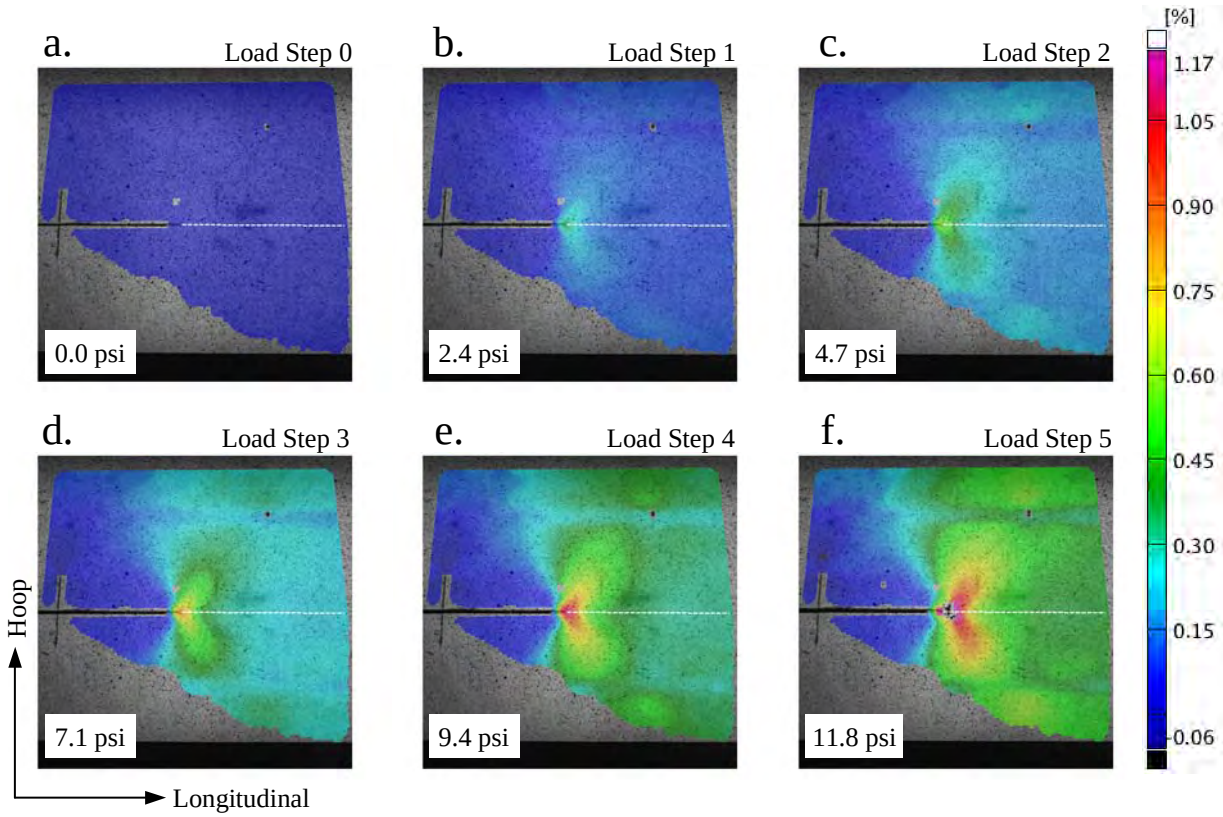


Figure 9. Full-Field Hoop Strain Distribution History for Hoop Loading and Pressurization of Test Panel CP1B (The maximum recorded full-field hoop strain was approximately 11,700 με. The scale for each stage is equal, ranging from -600 με to +11,700 με.)

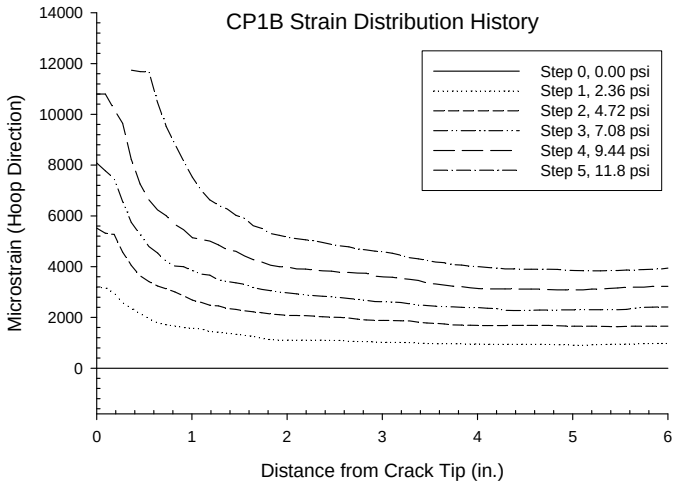


Figure 10. Hoop Strain Distribution History for Hoop Loading and Pressurization of Test Panel CP1B up to Failure (Strain data is evaluated along the dashed lines in figure 9.)

Strain redistribution before the failure of test panel CP1B is apparent when observing the real strain gage data in proximity to the notch tips, as shown in figure 11. Three strain gage rosettes were installed directly at the longitudinal notch tips, one exterior and two interior. All three exhibited a drop in measured strain after loading beyond the third load step at 7.08-psi pressure. Strain gages 25H and 43H exhibited an additional decrease in measured strain when loaded beyond the fourth load step. Strain gage 33, located 1″ from 25H at the notch tip, exhibited a simultaneous increase in relative measured strain. This strain redistribution behavior is evident of possible damage progression prior to the failure of the panel between the fifth and sixth load steps.

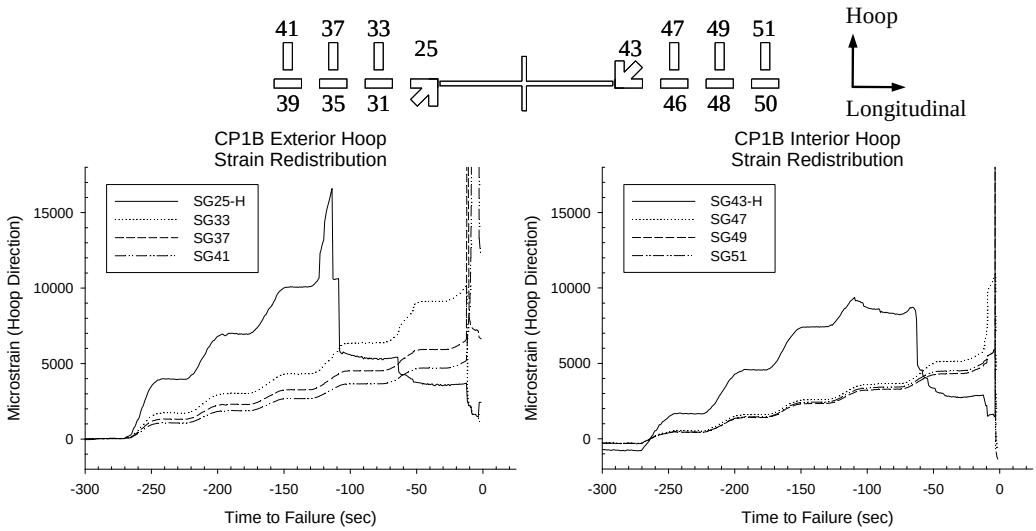


Figure 11. Strain Redistribution for Residual Strength Test of CP1B

Figure 12 shows the applied pressure and amplitude of all detected AE hits versus time. AE was initially observed at the second load step at 4.72-psi pressure. Audible emission was initially observed while loading from the third to the fourth load step at 7.08-psi pressure and steadily increased in volume and rate from the fourth load step until failure at 14.0-psi pressure. Figure 12 shows a steady increase in the amplitudes of the detected emission during the final three load steps, disregarding any emission due to the ultimate panel failure at time t = 340 seconds. The vast majority of AE hits were observed between load steps while the applied loads were being increased.

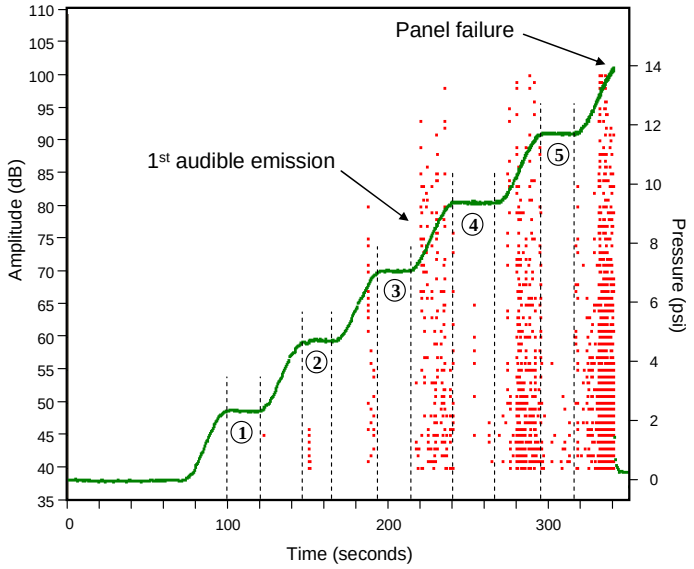


Figure 12. Energy and Load Versus Time for the Residual Strength Test of Panel CP1B (The panel failed at time t = 340 seconds, while loading from the fifth to the sixth load step.)

Figure 13 shows the locations of the detected AE events for the residual strength test of panel CP1B. While events were detected in both the far-field and in the vicinity of the notch tips, the majority of the events were located close to the notch tips. Filtering events with a relative energy less than 20 removed the majority of the far-field events, suggesting that these events were not indicative of damage, but instead, were noise from the loaders and other sources.

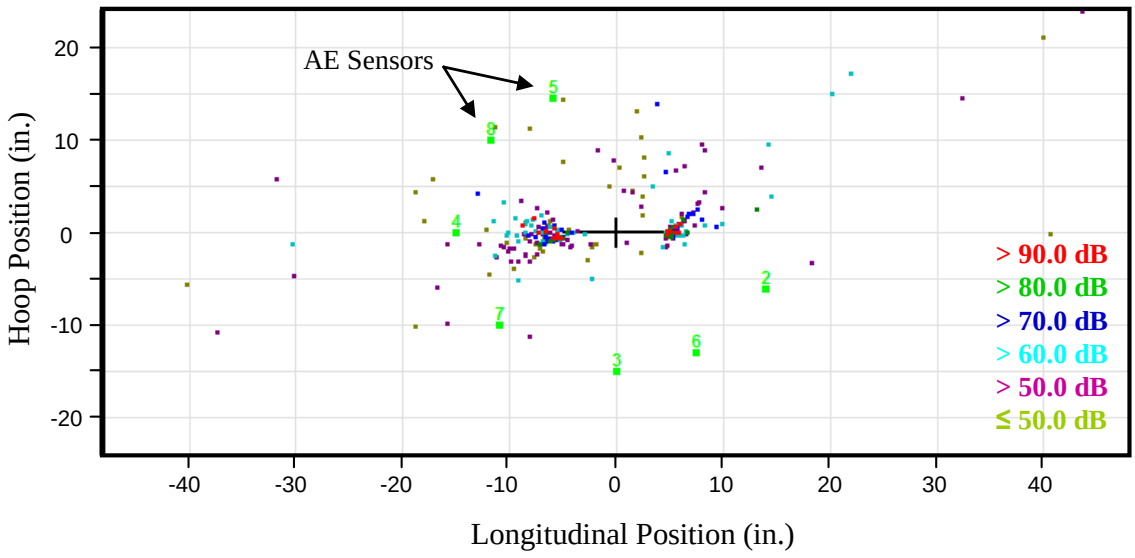


Figure 13. Acoustic Emission Location Plot of CP1B Residual Strength Test (A total of 280 events were recorded. Event amplitude is plotted by color.)

A series of AE event histograms versus location along the crown of the panel is displayed in figure 14. The three plots represent the events detected during the three final load steps before the failure of panel CP1B at a pressure of 14.0 psi. Only events with energy greater than 20 are considered in the histograms. The number of detected events and the distance between the notch tips and the farthest detected event both increased with time. This suggests damage growth prior to the ultimate failure of the panel.

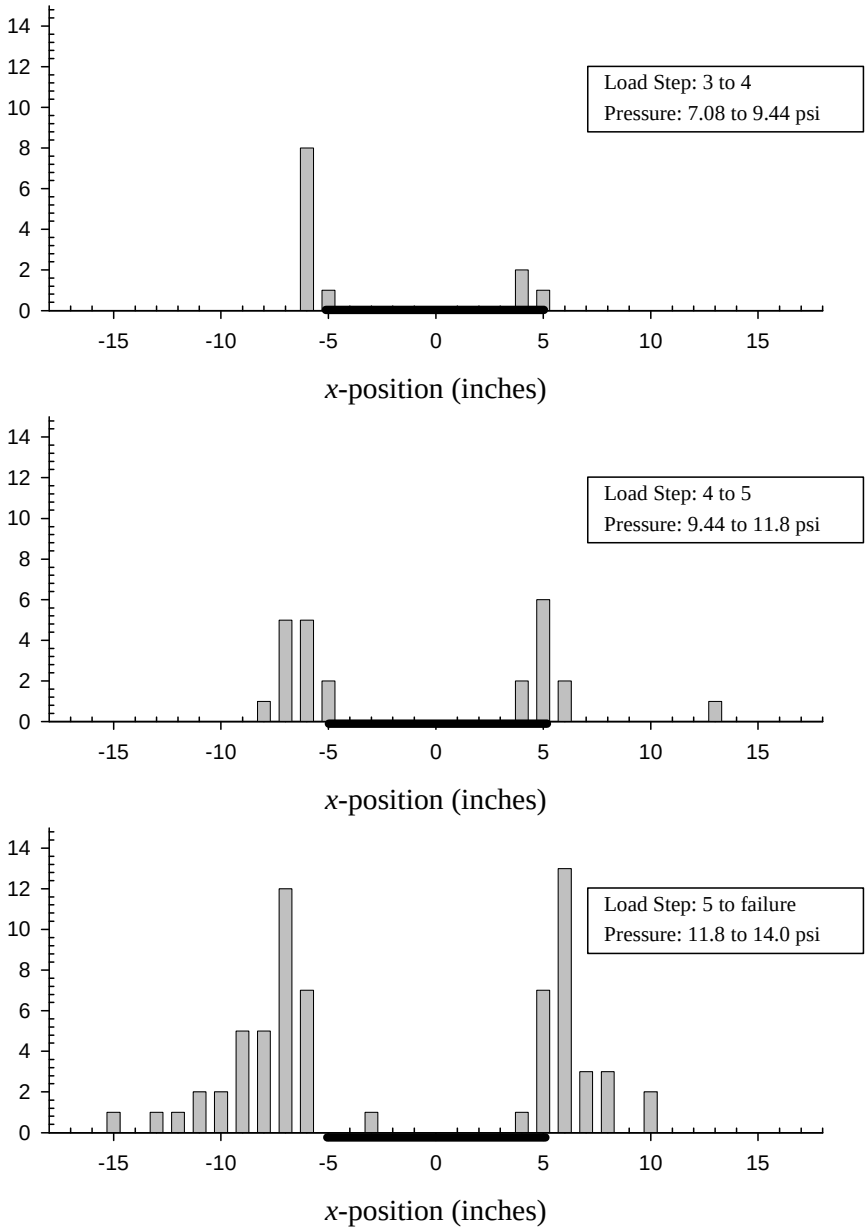


Figure 14. Acoustic Emission Event Histograms Versus Location Along the Axis of the Longitudinal Notch for the Residual Strength Test of Panel CP1B (Load steps 3 to 4 (top), 4 to 5 (middle), and 5 to failure (bottom) are displayed.)

Prior to the residual strength test, areas immediately around the 10″ notch tip in CP1B were inspected using both thermography and tap testing. These tests were conducted to ensure that the panel contained no significant hidden damage in those areas due to manufacturing or handling. Although it would have been desirable to have baselined the entire panel, time constraints only permitted inspection of areas immediately in front of the notch in quadrants I and IV, as shown in figure 8, on the exterior, or convex, surface.

Figure 15 is a series of thermography images taken in the area surrounding the 10″ through notch. This is a 3 x 3 image grid with the notch visible on the right side of the image. There is a vertical and horizontal core splice visible in the image, along with several internal ply lay-ups. NDI results from these limited tests indicated that no significant defects existed in the vicinity of the notch tip prior to its failure.

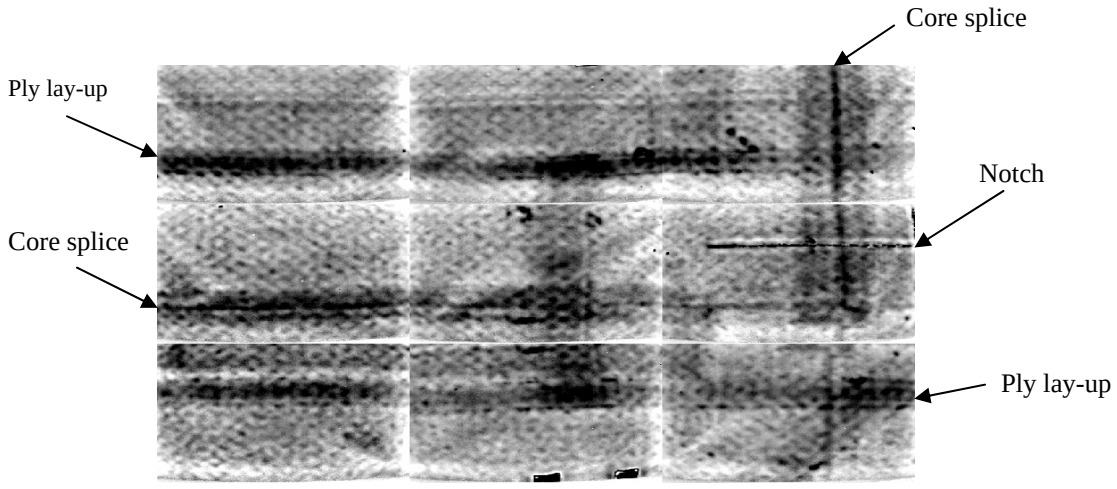


Figure 15. Thermography Images After 10″ Cut Added to CP1B, Prior to the Residual Strength Test

After structural failure, thermography and tap testing were conducted on panel CP1B to identify areas of panel damage beyond that which was visually obvious from the exterior surface of the panel. A composite of thermographic images showing the fracture in quadrants I and IV is shown in figure 16. This composite image was constructed using a grid of 7″ x 3″ images starting at the notch tip and centered on the x axis. The notch tip is shown at the far right side of the image. Fracture damage and fiber breakage is very apparent. Ply lay-ups are visible in the ±45° directions as well as in the horizontal and vertical directions. Due to the significant surface damage around the fracture, little subsurface damage under the fracture could be detected.

Damaged areas that were detected using thermography are shown above the fracture in figure 16 and are further highlighted in figure 17 using TWI's Thermal Signal Reconstruction software. There are two subsurface indications that appear to be either delaminations or skin-to-core disbonds and an image of a vertical offshoot of the main fracture. Figure 18 is a corresponding image using tap test data acquired with the CATT system.

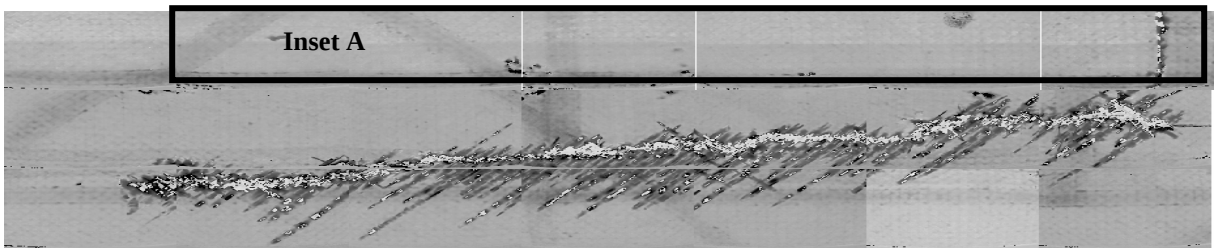


Figure 16. Thermography Image of External Fracture on Panel CP1B in Quadrants I and IV

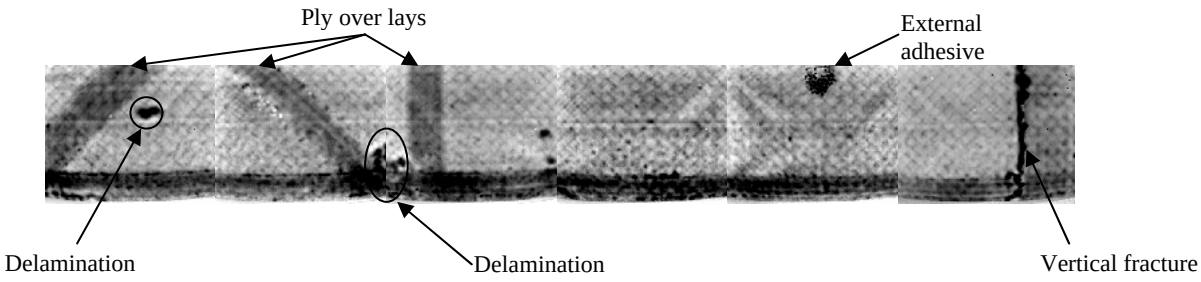


Figure 17. Thermography Images of Inset A From Figure 16 Showing Various Indications

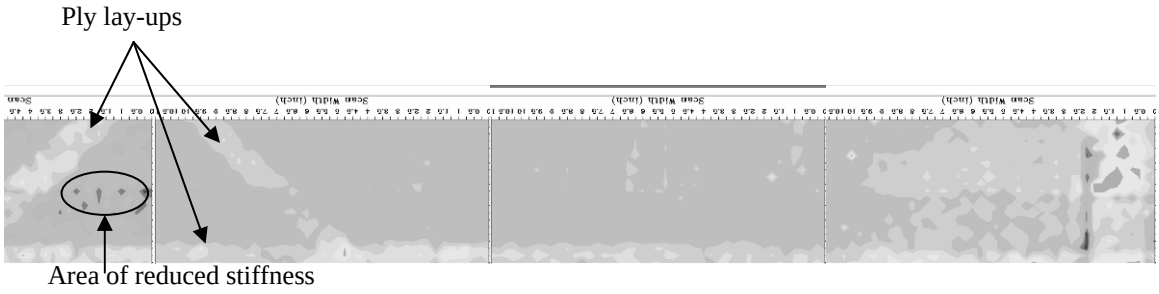


Figure 18. Composite Stiffness Image From CATT of Area Shown in Inset A of Figure 16

Figure 19 shows the composite of the thermographic images of the notch in quadrants II and III using a grid of 8 by 3 images starting at the notch and centered on the negative x axis. The notch tip is shown on the left side of the image. Fiber damage is easily seen in this image. There are several internal ply overlays visible as well. There is a large delamination just above the start of the initial notch area, and it is shown in more detail in figure 20. Figure 21 shows the same area inspected with the CATT system.

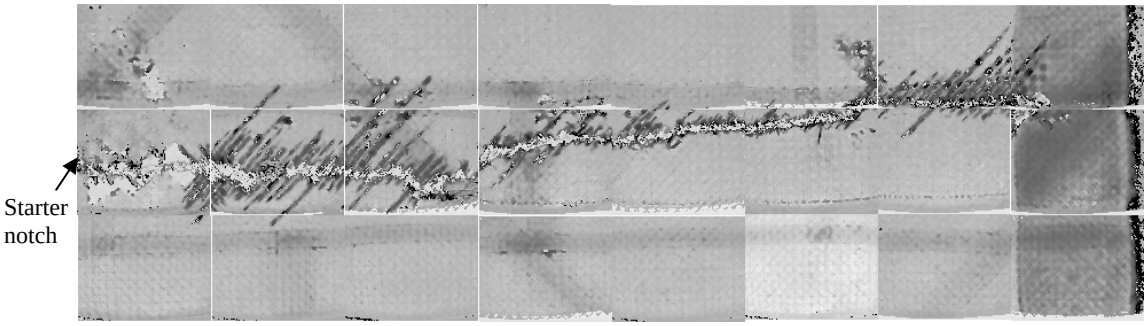


Figure 19. Thermography Image of Fracture on Panel CP1B in Quadrants II and III

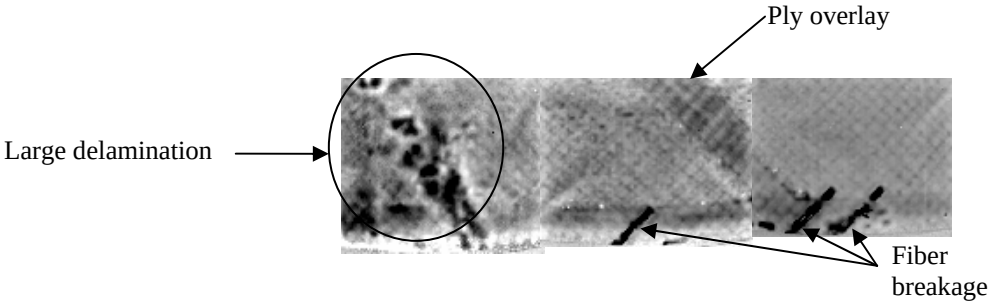


Figure 20. Detailed Image of Damage From Figure 19 Upper Left

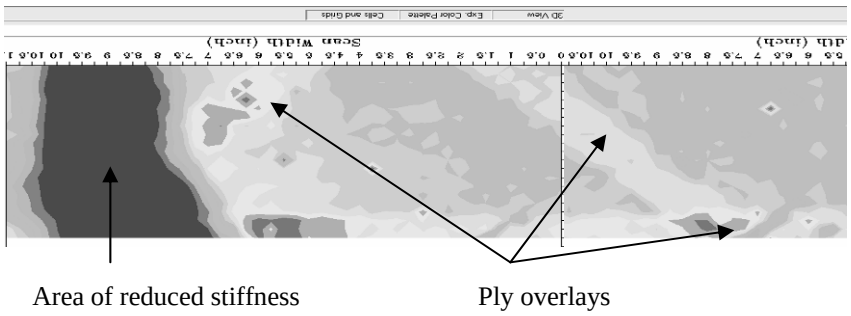


Figure 21. A CATT Stiffness Image of Area Shown in Figure 20

After the panel was removed from the test fixture, thermographic images of the internal fracture were taken. A 7 by 3 grid was used to image the fracture in both the quadrants I and IV. These images are shown in figure 22. An 8 by 3 grid was used to image the fracture in quadrants II and III, and these images are shown in figure 23. In this figure, the starter notch is not visible since it is behind a rubber gasket used to seal the panel during testing.

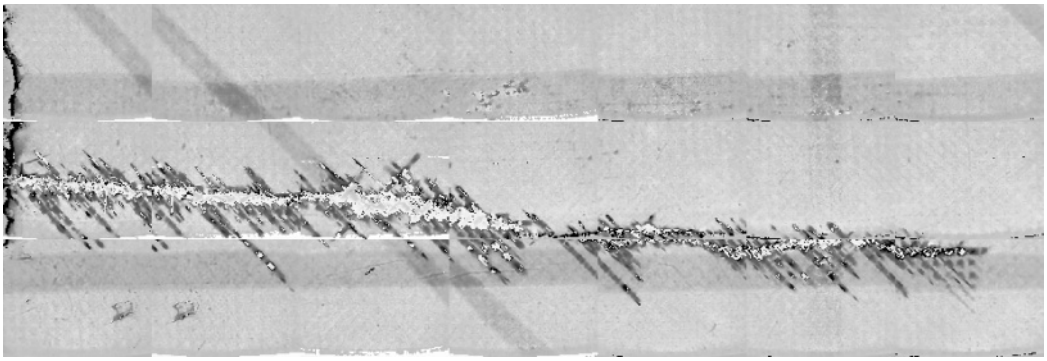


Figure 22. Thermography Image of Internal Fracture on Panel CP1B in Quadrants I and IV

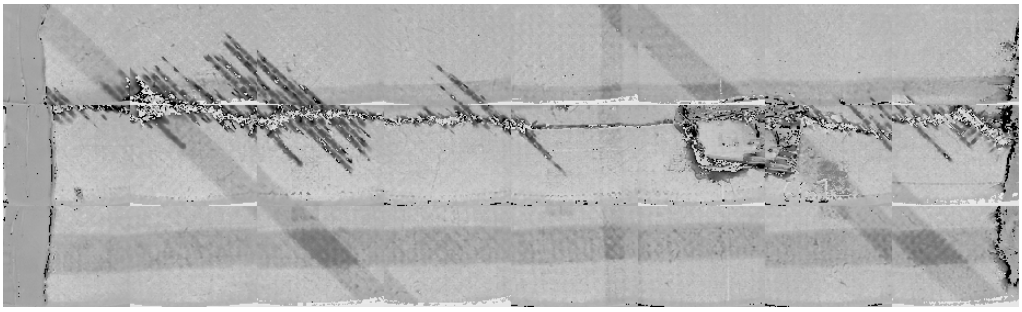


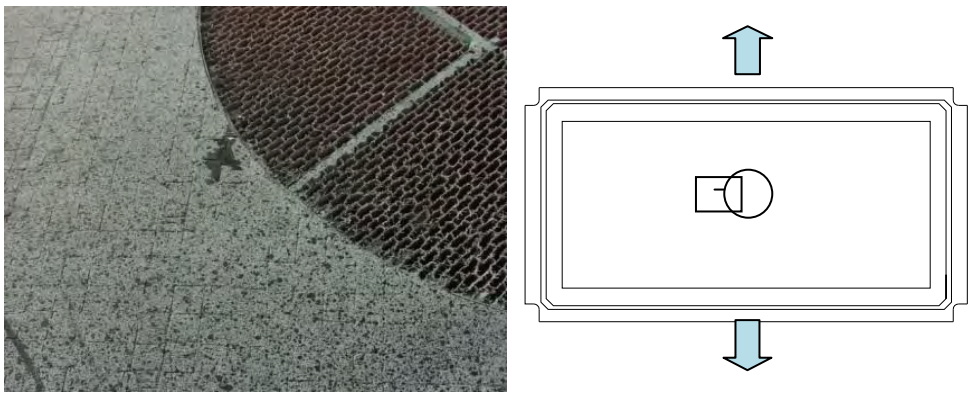
Figure 23. Thermography Image of Internal Fracture on Panel CP1B in Quadrants II and III

4.2.2 Panel CP2.

Panel CP2 contained a 10″ diameter hole through the exterior, located at the center of the panel. Multiple attempts in all three loading configurations were made to generate visible damage in panel CP2.

Three residual strength tests were conducted with a maximum planned load of 1500-lb/in. longitudinal load with loads applied in ten equal steps. Two of these runs reached 100% of the maximum planned load, while the third reached only 97.6% of the maximum planned load due to a mechanical hold on a longitudinal loader. Four residual strength tests were conducted with maximum planned loads of 23.625-psi pressure, 1750-lb/in. hoop load, and 1750-lb/in. longitudinal load with loads applied in ten equal steps. During these four runs, mechanical holds caused the tests to end at 77.1%, 80.0%, 95.9%, and 90.0%, respectively, of the maximum planned loads. Three residual strength tests were conducted with maximum planned loads of 23.625-psi pressure, 1750-lb/in. hoop load, and 0-lb/in. longitudinal load with loads applied in ten equal steps. During these three runs, mechanical holds caused the tests to end at 80.0%, 80.0%, and 90.0%, respectively, of the maximum planned loads.

During the final residual strength test run of panel CP2, a small spall was observed along the crown of the panel, along a hoop tangent to the hole (figure 24). The damage was generated upon reaching a load of 21.26-psi pressure and 1575-lb/in. hoop load.



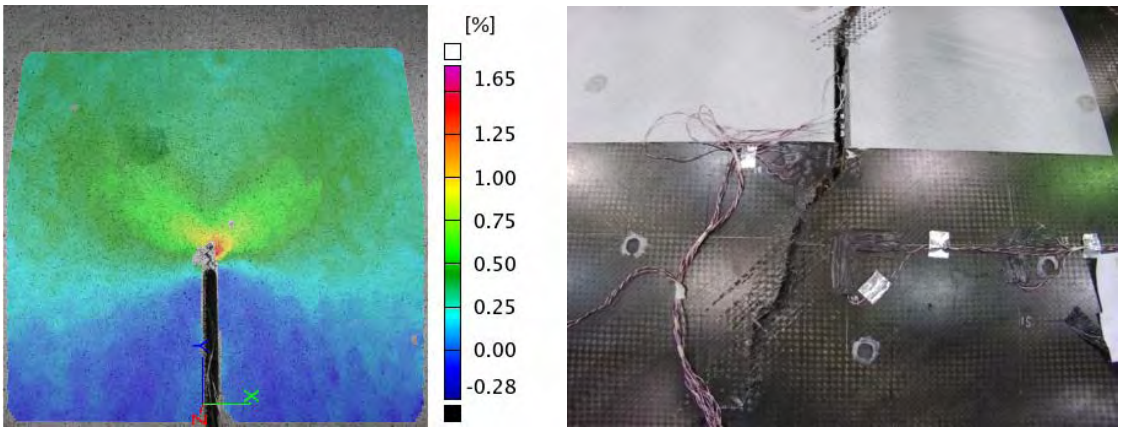
(a) (b)

Figure 24. (a) Panel CP2 Posttest Damage and (b) Location of CP2 Visible Damage

4.2.3 Panel CP3.

Panel CP3 contained a through-the-thickness, 10″ long, 0.5″ thick circumferential notch, located in the center of the panel. The maximum predicted loads for the residual strength test of panel CP3 were 8.0-psi pressure, 592-lb/in. hoop load, and 1400-lb/in. longitudinal load. Five equal load steps of 2.0-psi and 118.4-lb/in. hoop load were applied and held for the duration of the residual strength test. Ten equal load steps of 140-lb/in. longitudinal load were then applied. Major failure of the panel was not achieved at this load, so an additional load step was applied.

At a load of 8.0-psi pressure, 592-lb/in. hoop load, and 875-lb/in. longitudinal load, the photogrammetry system showed a small local failure at one of the notch tips, effectively extending the notch by 0.5″. At a load of 8.0-psi pressure, 592-lb/in. hoop load, and 1400-lb/in. longitudinal load, the observed surface damage grew to approximately 1.5″ from the original notch tip, as shown in figure 25(a). At a load of approximately 8.0-psi pressure, 592-lb/in. hoop load, and 1510-lb/in. longitudinal load, the panel failed and broke into two pieces, as shown in figure 25(b).



(a) (b)

Figure 25. (a) Panel CP3 Longitudinal Strain Distribution at 8.0-psi Pressure, 592-lb/in. Hoop Load and (b) 1400-lb/in. Longitudinal Load and Panel CP3 Post-Failure

A detailed plot of the applied loads and resulting strains in the proximity of the notch tips for the residual strength test of panel CP3 is provided in appendix C.

4.2.4 Panel CP4.

Panel CP4 contained a through-the-thickness, 10″ long, 0.5″ thick circumferential notch, located in the center of the panel. The maximum planned loads for the residual strength test of panel CP4 were 1.0-psi pressure, 74-lb/in. hoop load, and 1400-lb/in. longitudinal load. The low-amplitude pressure and hoop loads were applied to avoid rigid body translation in the fixture in the hoop direction. Two equal load steps of 0.5 psi and 37-lb/in. hoop load were applied and held for the duration of the residual strength test. Ten equal load steps of 140-lb/in. longitudinal load were then applied. Ultimate failure of the panel was not achieved at this load, so an additional load step was applied. Ultimate failure of the panel was still not achieved, but the test was ended due to proximity to the maximum applicable longitudinal load of the FASTER fixture.

At load steps three, four, and five, the applied loads were sinusoidally oscillated between 10% and 90% of the difference between the current and the previous load step. This generated AE data characteristic of the fretting of existing damage surfaces. This exercise was performed only at lower loads, and only with three oscillations, to avoid introducing fatigue damage into the panel after more critical damage was generated.

At a load of 8.0-psi pressure, 592-lb/in. hoop load, and 1120-lb/in. longitudinal load, the photogrammetry system showed a small local failure at one of the notch tips, effectively extending the damage by 0.5″ (figure 26). An additional spall was observed at the notch tip at the next load step, but did not extend the effective notch.

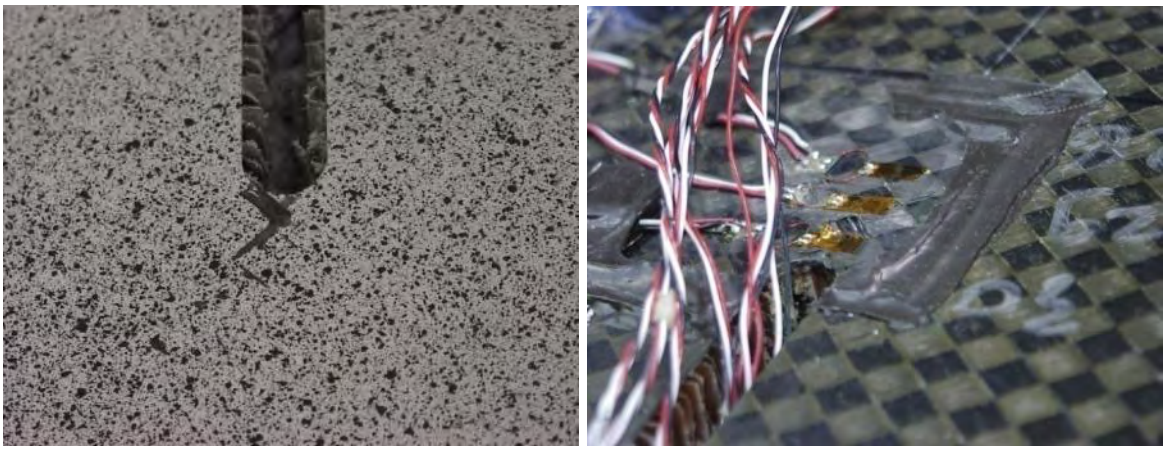


Figure 26. Panel CP4 Extent of Posttest Convex Facesheet Damage

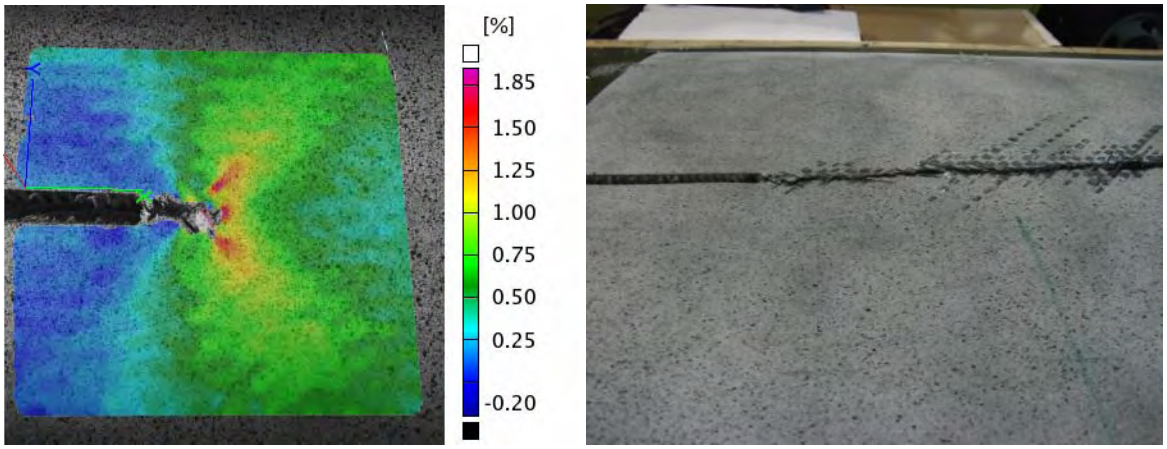
A detailed plot of the applied loads and resulting strains in the proximity of the notch tips for the residual strength test of panel CP4 is provided in appendix C.

4.2.5 Panel CP5.

Panel CP5 contained a through-the-thickness, 10″ long, 0.5″ thick longitudinal notch, located along the crown of the panel. The maximum planned loads for the residual strength test of panel CP5 were 15.0-psi pressure, 1110-lb/in. hoop load, and 100-lb/in. longitudinal load. The low-amplitude longitudinal loads were applied to avoid rigid body translation in the fixture in the longitudinal direction. Two equal load steps of 50-lb/in. longitudinal load were applied and held for the duration of the residual strength test. Ten equal load steps of 1.5-psi pressure and 111-lb/in. hoop load were planned.

At load steps four, five, six, and seven, the applied loads were sinusoidally oscillated between 10% and 90% of the difference between the current and the previous load step. This generated AE data characteristic of the fretting of existing damage surfaces. This exercise was performed only at lower loads and with three oscillations to avoid introducing fatigue damage into the panel after more critical damage was generated. During the oscillations following load step six, the fixture received a dump command due to a mechanical hold at one of the longitudinal loaders. The test was brought back to its previous load and resumed without further errors.

At a load of approximately 12.0-psi pressure, 888-lb/in. hoop load, and 100-lb/in. longitudinal load, the photgrammetry showed a small local failure at one of the notch tips. The failure was a spall measuring approximately 1/16″ by 1/16″, 0.25″ ahead of the original notch tip. At a load of approximately 12.5-psi pressure, 925-lb/in. hoop load, and 100-lb/in. longitudinal load, the surface damage grew to approximately 1/8″ by 1/8″, but remained visibly disconnected from the original notch tip. At a load of approximately 13.0-psi pressure, 962-lb/in. hoop load, and 100-lb/in. longitudinal load, the visible damage connected with the original notch tip and grew to approximately 1.0″ ahead of the original notch tip, as shown in figure 27(a). Shortly after reaching a load of 13.5-psi pressure, 1000-lb/in. hoop load, and 100-lb/in. longitudinal load, the panel failed and broke into two pieces along the its crown, as shown in figure 27(b).



(a) (b)

Figure 27. (a) Panel CP5 Hoop Strain Distribution at 13.5-psi Pressure, 1000-lb/in. Hoop Load and 100-lb/in. Longitudinal Load and (b) Panel CP5 Post-Failure

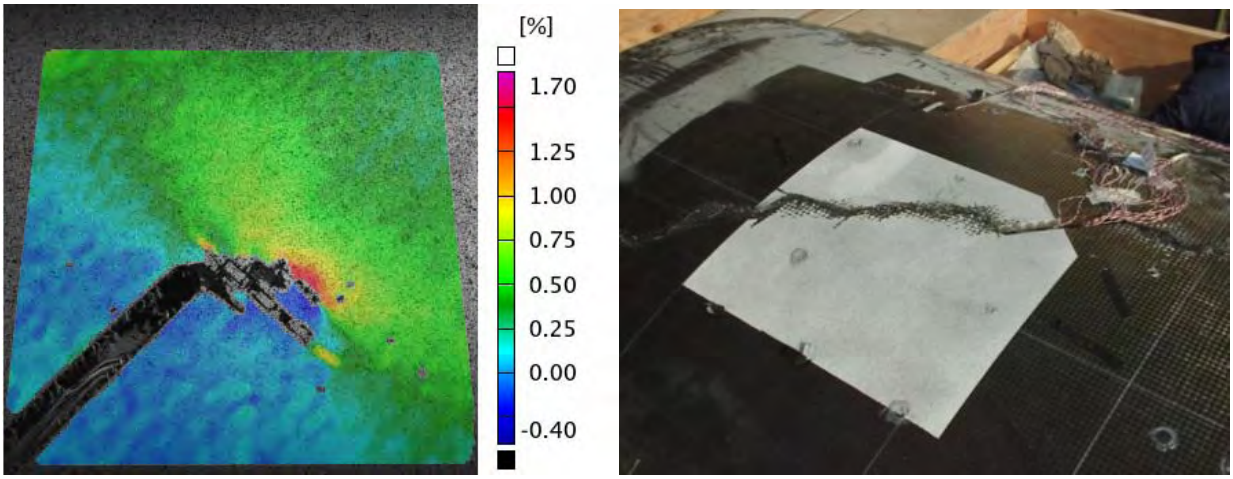
A detailed plot of the applied loads and resulting strains in the proximity of the notch tips for the residual strength test of panel CP5 is provided in appendix C.

4.2.6 Panel CP6.

Panel CP6 contained a through-the-thickness, 10″ long, 0.5″ thick, 45° inclined notch, located at the center of the panel. The maximum planned loads for the residual strength test of panel CP6 were 20.27-psi pressure, 1500-lb/in. hoop load, and 1500-lb/in. longitudinal load. Fifteen equal load steps of 1.35-psi pressure, 100-lb/in. hoop load, and 100-lb/in. longitudinal load were planned.

The loading scheme of CP6 differed from the previous panels. Acousto-ultrasonic measurements were taken during the lower load steps of the residual strength test. The panel was unloaded after reaching load steps one through eight to compare the frequency response of a known, continuously variable signal through opened and closed small-scale damage ahead of the notch tips. After reaching load steps six and eight, the fixture received dump commands due to a mechanical hold at one of the loaders. The test was brought back to its previous loads and resumed.

At a load of 12.16 psi-pressure, 900-lb/in. hoop load, and 900-lb/in. longitudinal load, the photogrammetry system showed a small local failure at one of the notch tips. A small spall extended from the hoop tangent of one of the notch tips approximately 0.25″ in the longitudinal direction. At a load of approximately 13.96-psi pressure, 1033-lb/in. hoop load, and 1033-lb/in. longitudinal load, the previously observed surface damage extended an additional 0.25″ in the longitudinal direction. At a load of approximately 14.42-psi pressure, 1067-lb/in. hoop load, and 1067-lb/in. longitudinal load, the previously observed surface damage began propagating in the -45° direction, extending approximately 1 inch normal to the original notch centerline. At a load of 16.22-psi pressure, 1200-lb/in. hoop load, and 1200-lb/in. longitudinal load, the visible surface damage continued to propagate normal to the original notch, extending approximately 1.75″ away from the original notch centerline, as shown in figure 28(a). At a load of approximately 17.12-psi pressure, 1267-lb/in. hoop load, and 1267-lb/in. longitudinal load, the visible surface damage continued to propagate normal to the original notch, extending approximately 2.88″ away from the original notch centerline. Upon reaching a load of 18.81-psi pressure, 1392-lb/in. hoop load, and 1392-lb/in. longitudinal load, the panel failed and broke into two pieces, diagonally, roughly parallel to the original notch, as shown in figure 28(b).



(a) (b)

Figure 28. (a) Panel CP6 Normal Strain Distribution at 16.2-psi Pressure, 1200 lb/in. Hoop Load and 1200-lb/in. Longitudinal Load and (b) Panel CP6 Post-Failure

A detailed plot of the applied loads and resulting strains in the proximity of the notch tips for the residual strength test of panel CP6 is provided in appendix C.

4.2.7 Residual Strength Test Summary.

A summary of the failure loads of all six panels is shown in table 3. For panels exhibiting only a minor failure, the load listed is the maximum applied load.

Table 3. Residual Strength Test Results Summary

Panel	Damage Configuration	Maximum Load			Failure
		Long (lb/in.)	Hoop (lb/in.)	Pressure (psi)	
CP1B	10″ x 1/16″ longitudinal notch	0	1040	14.0	Major
CP2	10″ diameter hole, convex sheet	1750	1750	23.6	Minor
CP3	10″ x 1/2″ circumferential notch	1500	592	8.0	Major
CP4	10″ x 1/2″ circumferential notch	1540	74	1.0	Minor
CP5	10″ x 1/2″ longitudinal notch	100	1000	13.5	Major
CP6	10″ x 1/2″ 45° inclined notch	1390	1390	18.8	Major

5. CONCLUDING REMARKS.

A study was conducted to investigate the damage tolerance characteristics and failure mechanisms of six honeycomb sandwich composite fuselage panels subjected to quasi-static pressurization and axial loading. The test articles were instrumented with strain gages near the damage and in the far-field regions for strain surveys. A digital image correlation method was used to obtain full-field displacement and strain measurements at equal load intervals and after

any visible surface damage was first observed. The acoustic emission method was used to monitor for damage growth in real time and served as an early warning for imminent failure. Several nondestructive inspection methods were used to scan for nonvisual damage, including flash thermography and computer-aided tap testing.

For each damage configuration tested, the test panels proved to withstand damage initiation for the most critical loading configuration and, at loads much greater than those experienced during realistic operating conditions, showed potential for the use of similar composite lay-ups in the construction of a commercial transport aircraft. Data generated during this test program will validate test data and predictions from earlier coupon and element-scale research and will provide an accurate assessment of sandwich damage tolerance and design principles for use in aircraft.

Future work for this test program includes the refinement of the finite element models to be able to predict strain redistributions as damage progresses from the original artificial holes and notches. Destructive evaluations of each specimen will be conducted to further map the extent of damage and to provide calibration data for future models.

6. REFERENCES.

1. Tomblin, J., Lacy, T., Smith, B., Hooper, S., Vizzini, A., and Lee, S., "Review of Damage Tolerance for Composite Sandwich Airframe Structures," FAA report DOT/FAA/AR-99/49, August 1999.

2. Tomblin, John S., Raju, K.S., Liew, J., and Smith, B.L., "Impact Damage Characterization and Damage Tolerance of Composite Sandwich Airframe Structures," FAA report DOT/FAA/AR-00/44, January 2001.

3. Tomblin, John S., Raju, K.S., Acosta, J.F., Smith, B.L., and Romine, N.A., "Impact Damage Characterization and Damage Tolerance of Composite Sandwich Airframe Structures—Phase II," FAA report DOT/FAA/AR-02/80, January 2001.

4. Shyprykevich, P., Tomblin, J., Ilcewicz, L., Vizzini, A.J., Lacy, T.E., and Hwang, Y., "Guidelines for Analysis, Testing, and Nondestructive Inspection of Impact-Damaged Composite Sandwich Structures," FAA report DOT/FAA/AR-02/121, March 2003.

5. Tomblin, John S., Raju, K.S., and Arosteguy, G., "Damage Resistance and Tolerance of Composite Sandwich Panels—Scaling Effects," FAA report DOT/FAA/AR-03/75, February 2004.

6. Bakuckas, J., "Full-Scale Testing and Analysis of Fuselage Structure Containing Multiple Cracks," FAA report DOT/FAA/AR-01/46, July 2002.

7. ASTM WK12796 Draft Specification "Standard Practice for Infrared Flash Thermography of Composite Panels and Repair Patches Used in Aerospace Applications."

8. D.K. Hsu, D.J. Barnard, J.J. Peters, and V. Dayal, “Physical Basis of Tap Test as a Quantitative Imaging Tool for Composite Structures on Aircraft,” *Review of Progress in Quantitative NDE*, Vol. 19B, D.O. Thompson and D.E. Chimenti, eds., American Institute of Physics, New York, 2000, pp. 1857-1864.

APPENDIX A—ENGINEERING DRAWINGS

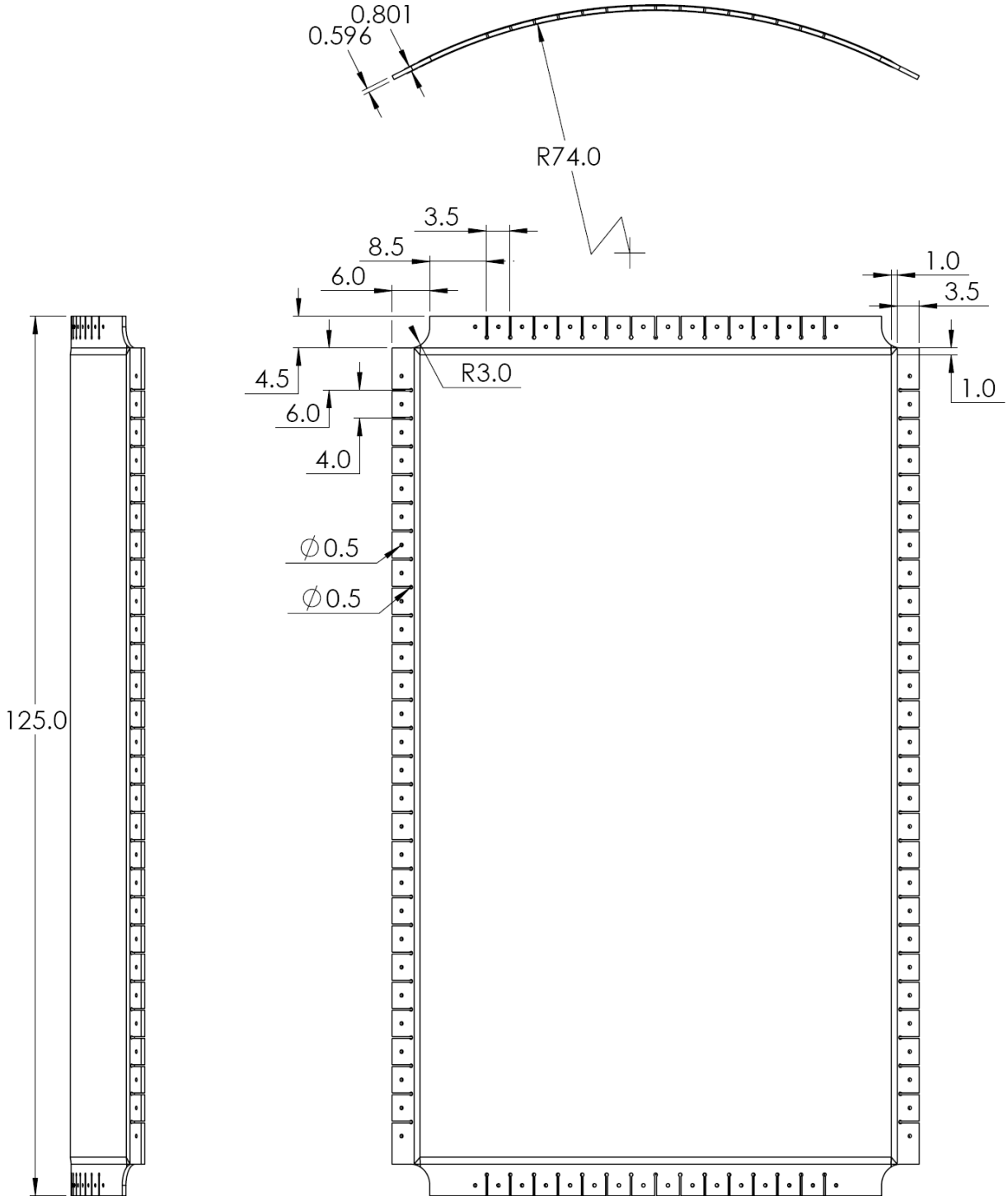


Figure A-1. General Panel Dimensions

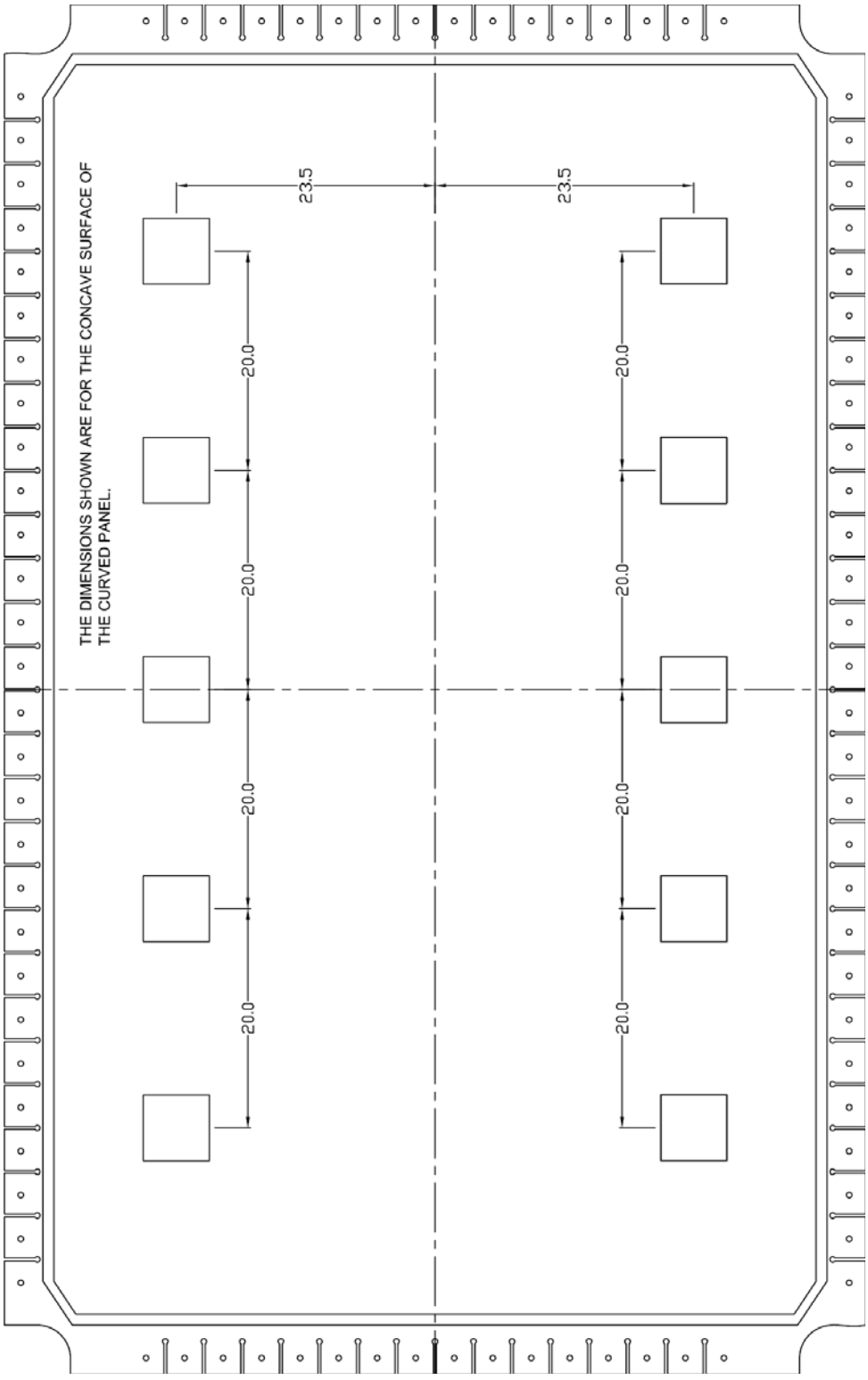


Figure A-2. Radial Linkage Connection Plate Locations

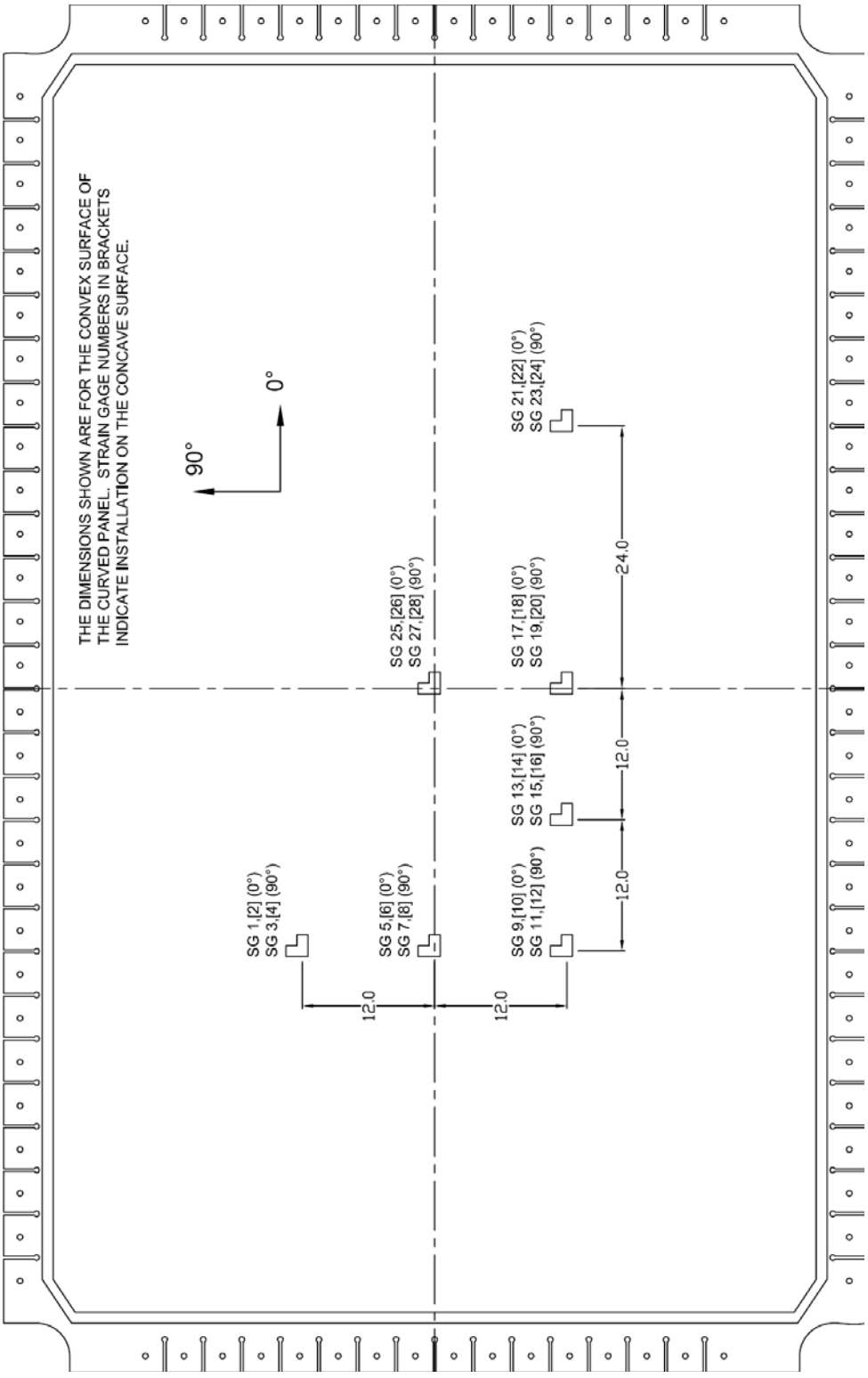


Figure A-3. CP1 Strain Gage Map
(Panel CP1 served as a baseline test and contained no initial artificial damage.)

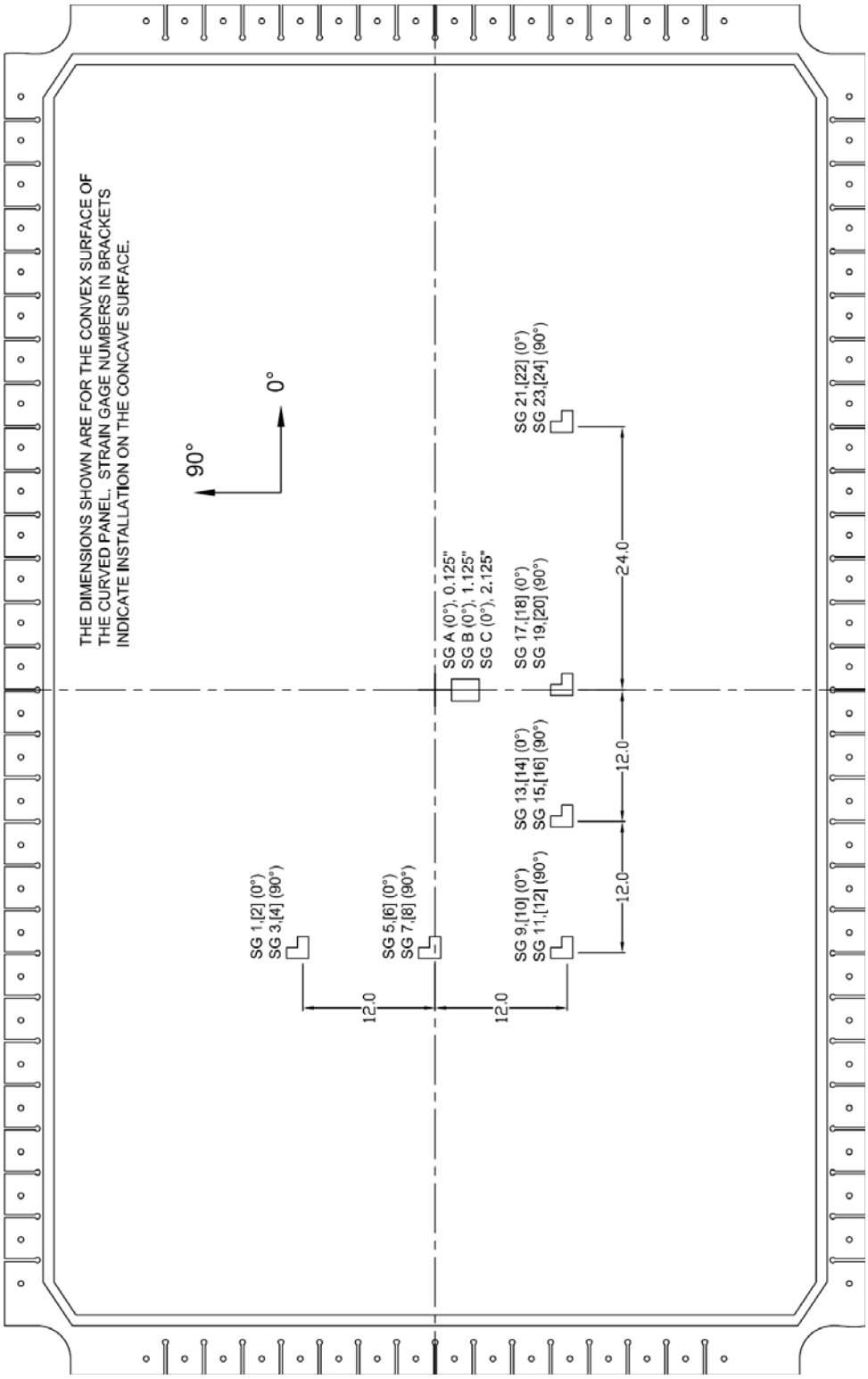


Figure A-4. CP1A Strain Gage Map (Panel CP1A contained a 3 x 3 crossed slit through the convex facesheet, located in the center of the panel.)

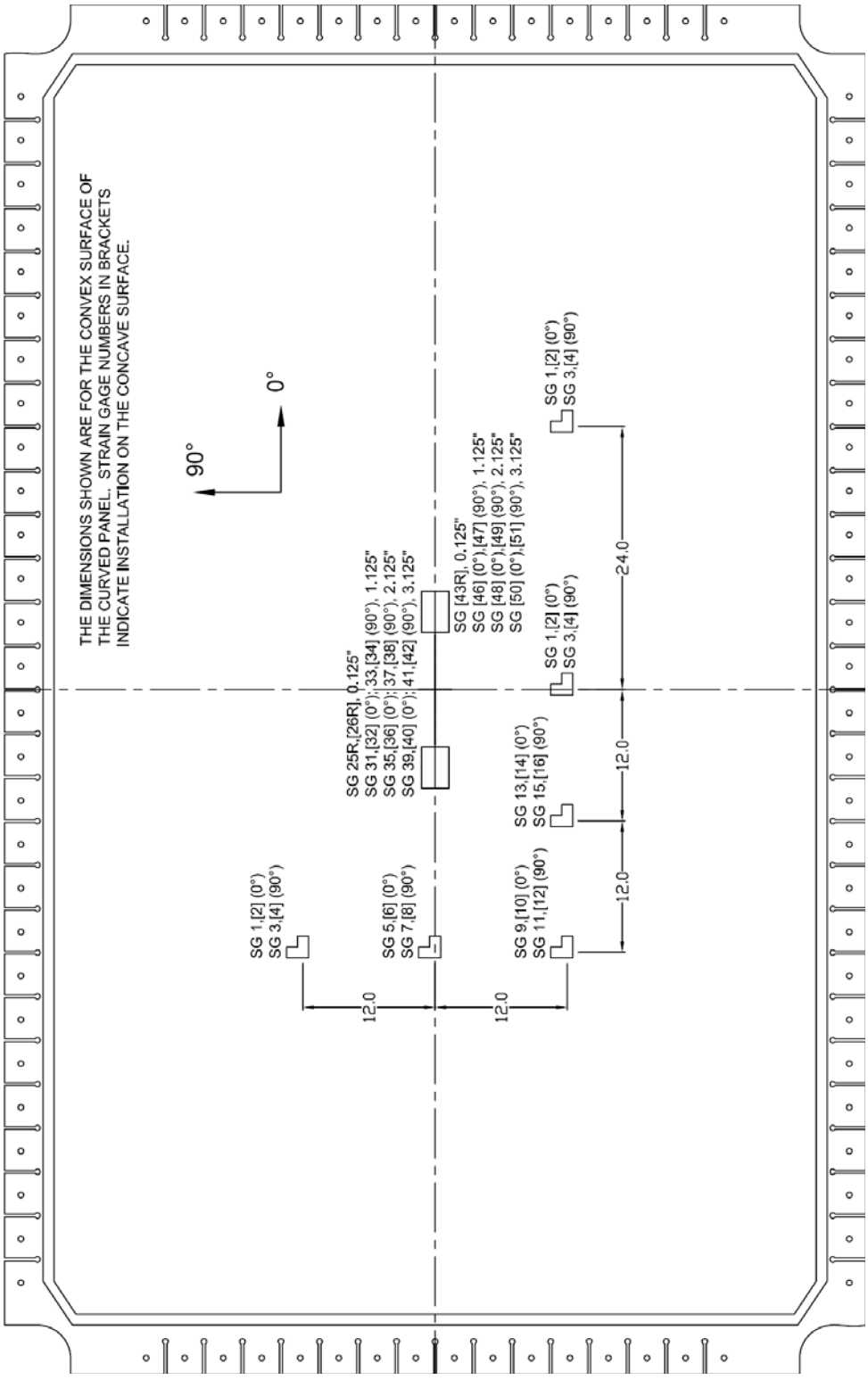


Figure A-5. CP1B Strain Gage Map (Panel CP1A contained a 10 long by 1/16 thick through-the-thickness notch, located in the center of the panel and oriented in the longitudinal direction.)

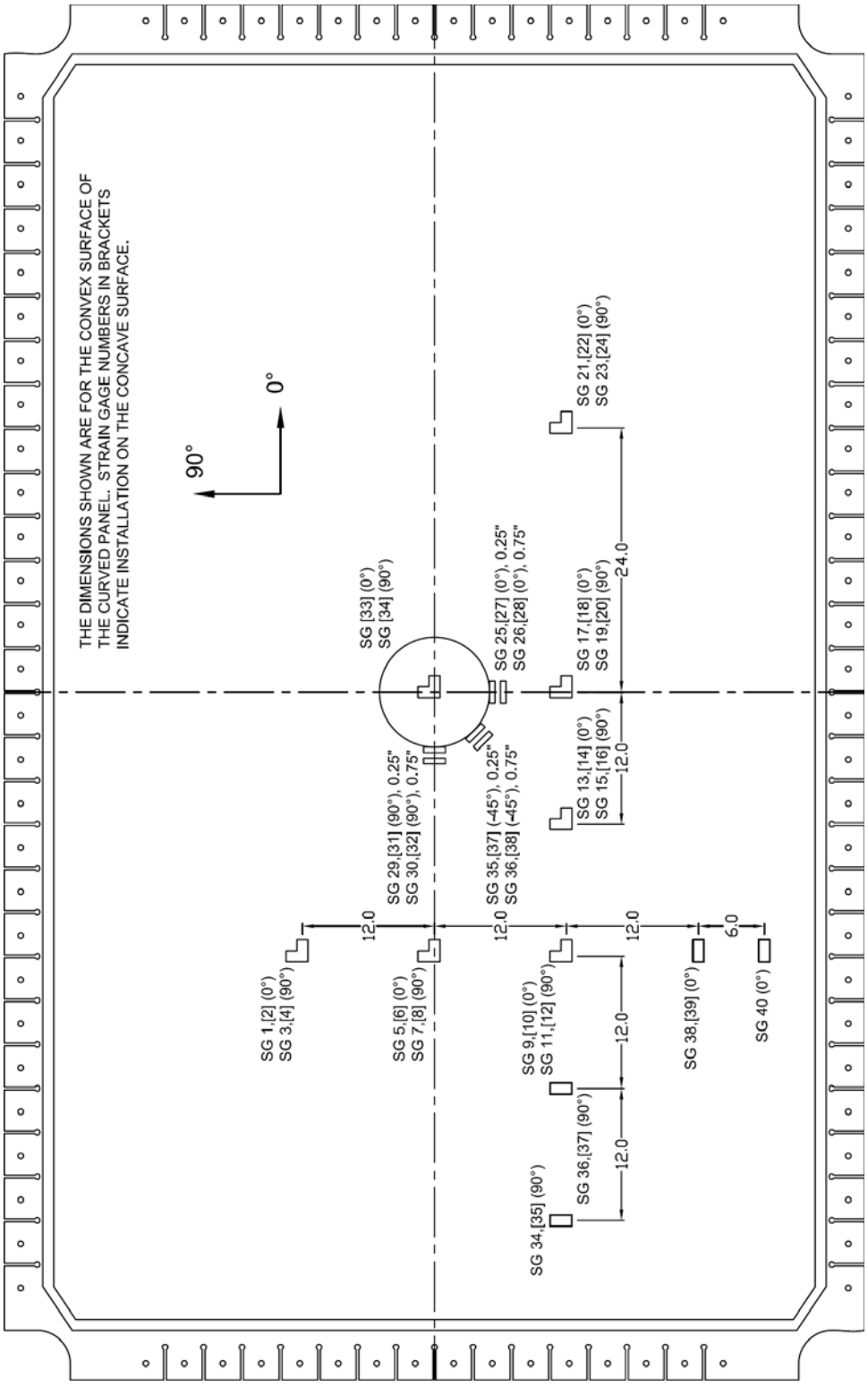


Figure A-6. CP2 Strain Gage Map (Panel CP2 contained a 10 diameter circular hole through the convex facesheet, located in the center of the panel.)

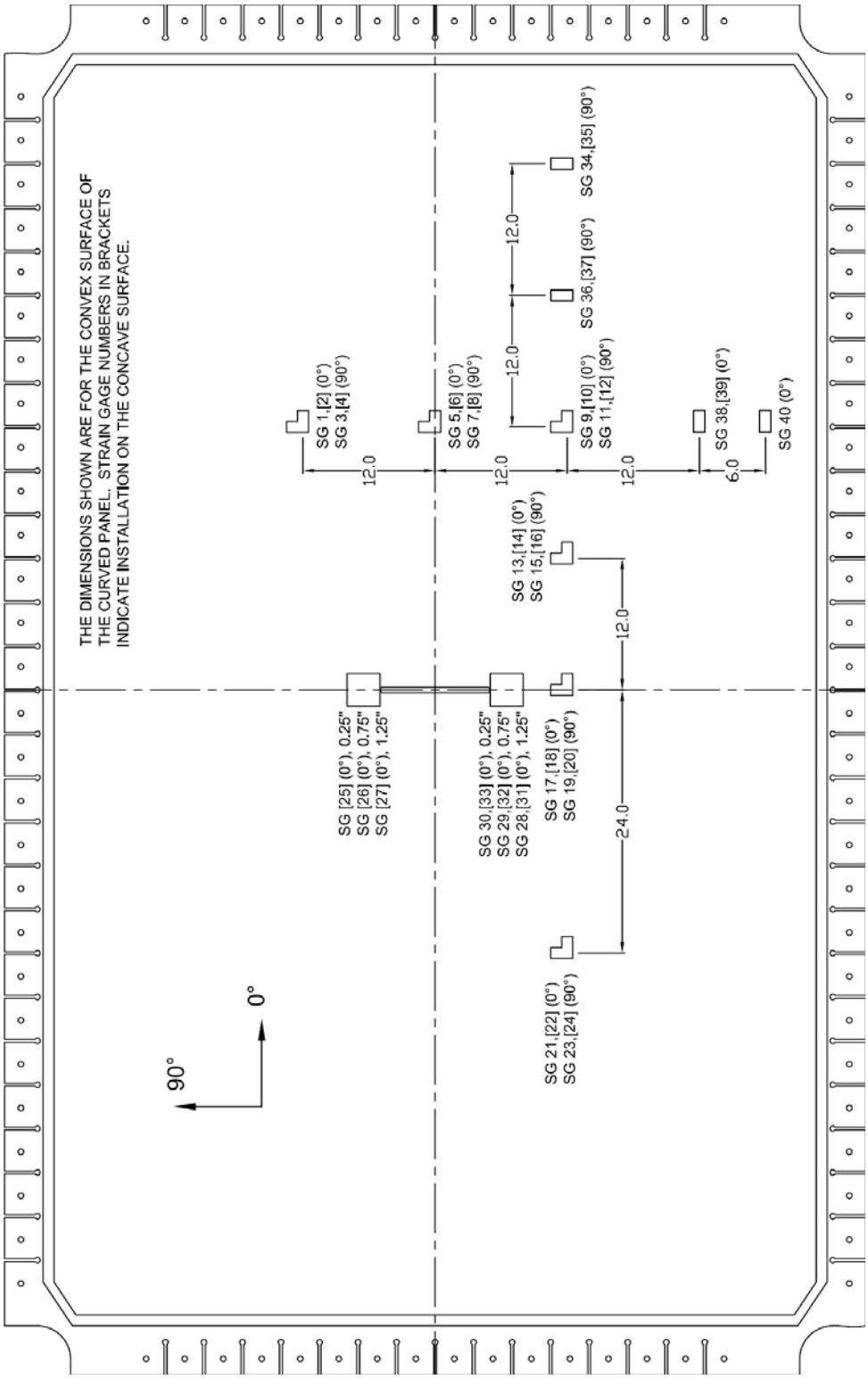


Figure A-7. CP3 Strain Gage Map (Panel CP3 contained a 10 long by 1/2 thick through-the-thickness notch, located in the center of the panel and oriented in the circumferential direction.)

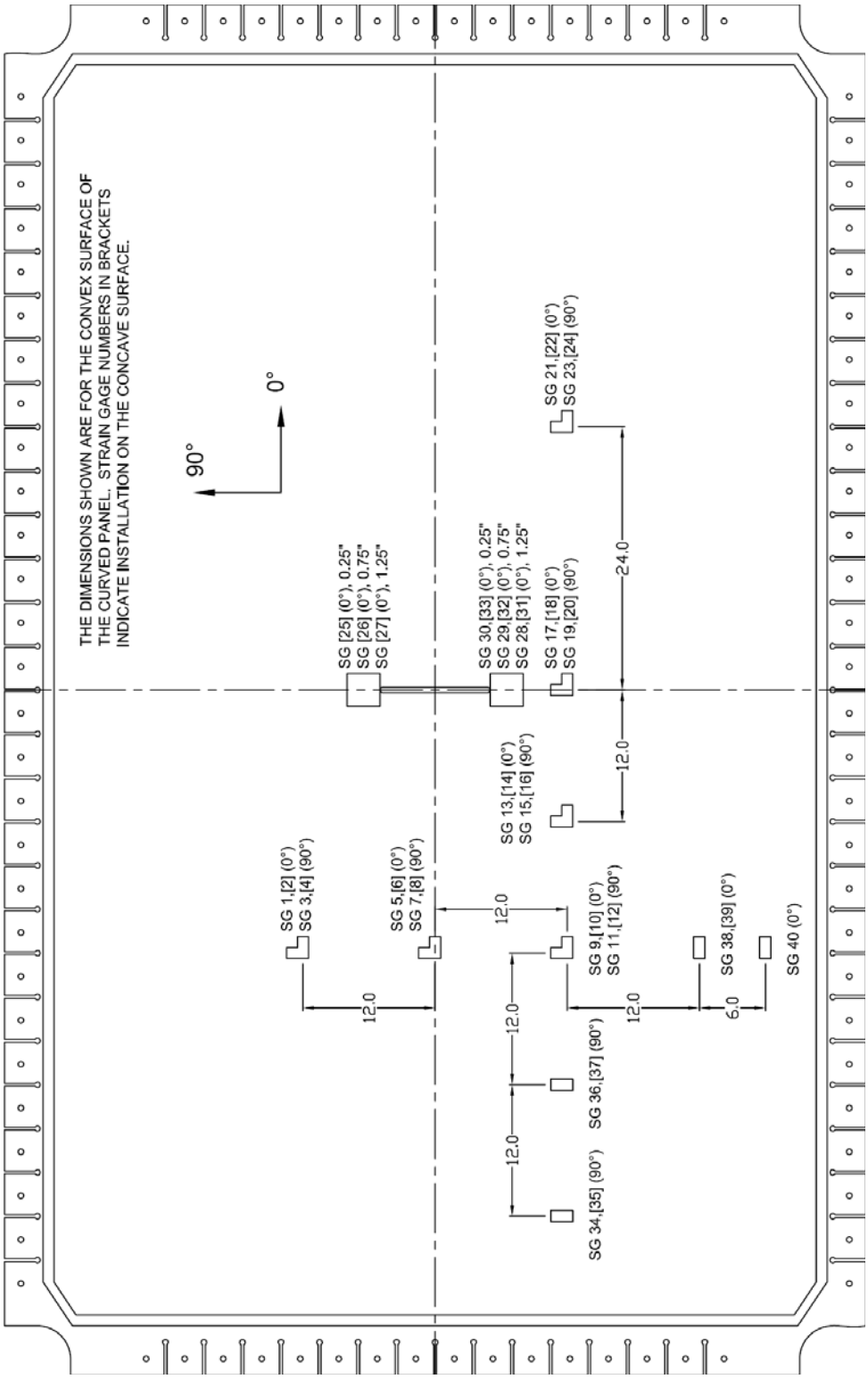


Figure A-8. CP4 Strain Gage Map (Panel CP4 contained a 10 long by 1/2 thick through-the-thickness notch, located in the center of the panel and oriented in the circumferential direction.)

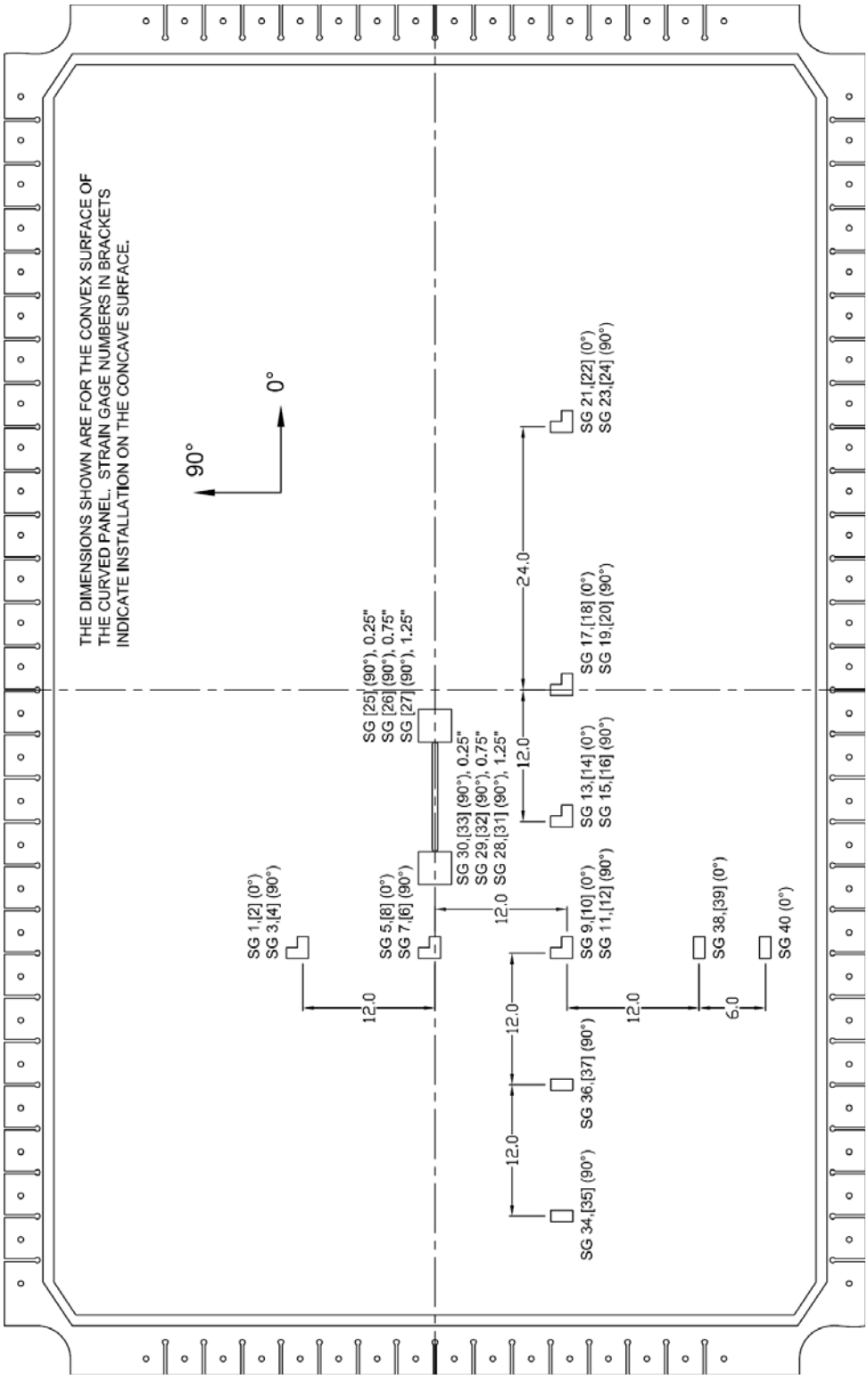


Figure A-9. CP5 Strain Gage Map (Panel CP5 contained a 10 long by 1/2 thick through-the-thickness notch, located along the 0° axis of the panel with its center shifted 9.75 in the negative-0 direction. The notch was oriented in the longitudinal direction.)

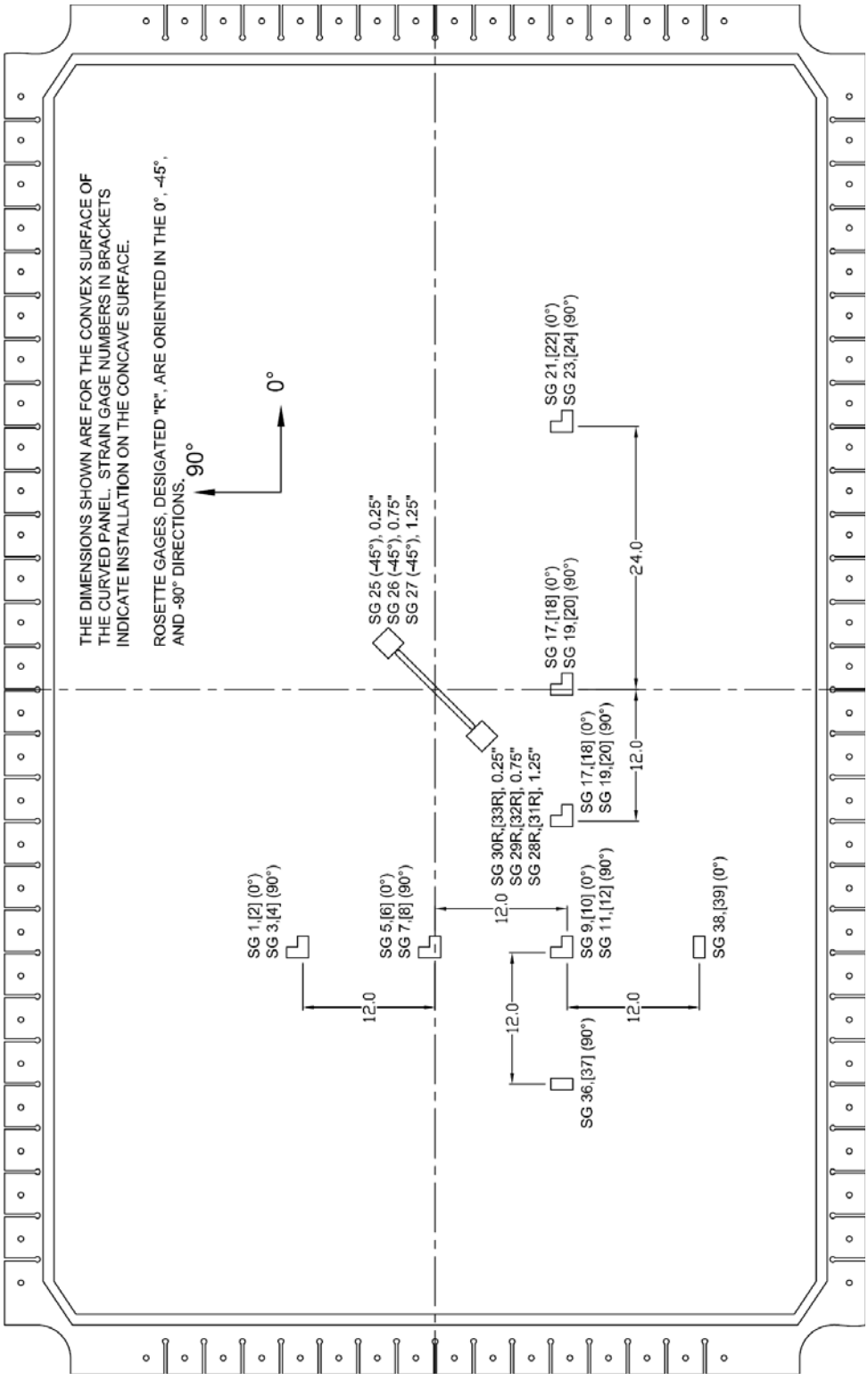


Figure A-10. CP6 Strain Gage Map (Panel CP6 contained a 10 long by 1/2 thick through-the-thickness notch, located in the center of the panel and oriented 45° between the longitudinal and circumferential directions.)

APPENDIX B—STRAIN SURVEY DATA

B.1 RAW STRAIN GAGE AND LOAD DATA.

Table B-1. Loading Conditions for Strain Surveys

Panel	Load Condition	Maximum Load		
		Pressure (psi)	Hoop (lb/in.)	Longitude (lb/in.)
CP1	A	6.75	500	0
	B	0.00	0	500
	C	13.50	1000	1000
CP1A	B	0.00	0	1500
CP1B	A	5.90	437.5	0
	B	0.00	0	437.5
	C	5.90	437.5	437.5
CP2	A	6.75	500	0
	B	0.00	0	500
	C	6.75	500	500
CP3	A	3.40	252	0
	B	0.00	0	300
	C	3.40	252	300
CP4	A	3.40	252	0
	B	0.00	0	300
	C	3.40	252	300
CP5	A	3.40	252	0
	B	0.00	0	300
	C	3.40	252	300
CP6	A	2.70	200	0
	B	0.00	0	200
	C	2.03	150	150

Table B-2. CP1, Load Condition A, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.70	1.36	2.01	2.68	3.34	4.03	4.68	5.38	6.12	6.73
Hoop-1	377.9	999.4	1598.6	2396.2	3175.7	4009.5	4824.4	5627.5	6454.5	7296.1	7946.5
Hoop-2	-9.1	818.5	1603.6	2387.4	3181.8	3987.9	4816.4	5587.8	6383.9	7188.7	7987.7
Hoop-3	-2.5	784.8	1578.9	2384.3	3177.2	3971.3	4831.5	5590.0	6442.2	7211.5	7996.4
Hoop-4	280.7	880.7	1593.7	2407.5	3213.9	4001.1	4800.8	5607.1	6381.8	7189.9	7999.4

Table B-2. CP1, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.70	1.36	2.01	2.68	3.34	4.03	4.68	5.38	6.12	6.73
Hoop-5	-8.4	795.5	1595.5	2417.6	3229.1	4014.4	4797.3	5608.6	6405.3	7203.8	7990.9
Hoop-6	342.4	812.3	1597.6	2392.6	3196.8	4006.0	4796.2	5600.3	6398.9	7195.7	8006.6
Hoop-7	287.3	969.0	1605.4	2402.3	3210.2	4008.4	4807.9	5610.2	6403.5	7202.2	8005.7
Hoop-8	-44.0	798.2	1596.6	2395.4	3208.8	3999.8	4799.9	5598.1	6402.9	7201.5	8000.9
Hoop-9	-10.9	790.2	1598.3	2399.6	3197.5	3987.5	4815.2	5619.6	6396.3	7192.0	7985.0
Hoop-10	4.3	808.0	1608.1	2410.2	3200.1	3992.9	4796.3	5605.1	6404.2	7199.1	7992.9
Hoop-11	-23.7	806.9	1586.4	2413.5	3195.3	4000.1	4783.0	5586.0	6393.7	7182.5	8004.7
Hoop-12	61.3	835.1	1562.7	2403.0	3210.3	4004.0	4834.6	5696.5	6417.6	7250.3	8010.2
Hoop-13	-7.5	808.8	1595.4	2397.1	3213.7	3992.8	4803.1	5604.3	6404.8	7007.7	7589.4
Hoop-14	-10.3	810.5	1616.2	2392.4	3191.1	3989.3	4796.6	5609.6	6384.5	7190.4	7989.6
Long-1	-37.7	103.0	49.8	30.9	-29.4	41.5	69.9	-16.4	-47.1	-47.1	-18.7
Long-2	-82.6	13.0	64.8	77.8	71.9	-67.2	-49.5	-43.6	46.0	-40.1	107.3
Long-3	34.0	-25.5	-1.3	13.3	9.7	27.9	-1.3	19.4	2.4	-7.3	14.5
Long-4	9.2	6.8	-1.7	3.2	9.2	-2.9	-2.9	-1.7	-0.5	-2.9	3.2
Long-5	92.8	-8.2	8.4	22.7	35.8	32.2	40.5	60.7	105.8	121.3	165.3
Long-6	-9.1	-87.4	52.4	112.6	-32.0	-45.2	37.9	-1.9	5.4	3.0	10.2
Long-7	179.7	219.1	29.2	69.8	48.3	78.2	-9.0	79.4	66.2	-3.0	-0.6
Long-8	26.2	-14.2	22.6	-26.0	-17.7	-10.6	-5.8	4.8	-10.6	-5.8	-8.2
Radial-1R	2303.4	2300.2	2279.7	2246.7	2206.5	2205.7	2197.7	2198.7	2202.5	2203.2	2206.7
Radial-2R	-1616.0	-1372.6	-1404.1	-1577.6	-1478.3	-1767.6	-1781.3	-1916.7	-1869.1	-1908.8	-1827.0
Radial-3R	-5.4	-4.6	-5.8	-5.0	-4.1	-2.8	-3.0	-3.1	-5.3	-4.6	-4.2
Radial-4R	-36.5	-35.4	-35.1	-34.2	-35.4	-33.0	-33.7	-34.2	-33.2	-32.7	-32.4
Radial-5R	5425.3	5487.8	5489.4	5346.6	5105.6	5155.8	5244.7	5078.1	5237.7	5368.1	5345.5
Radial-6R	-9.5	-9.5	-9.6	-10.7	-12.4	-11.3	-10.1	-8.5	-9.5	-10.5	-18.9
Radial-7R	-10.2	-10.2	-10.4	-9.7	-10.0	-8.3	-8.6	-8.5	-7.7	-7.1	-7.0
Radial-8R	2.0	1.7	0.4	0.9	2.7	2.9	3.7	3.7	2.7	2.9	3.9
Radial-9R	614.1	637.4	649.6	706.0	729.9	740.3	750.3	752.5	742.0	779.0	810.7
Radial-10R	1800.3	2095.4	1921.7	1960.8	2018.2	1760.8	2377.2	1907.2	2072.7	2148.7	2226.3
SG01	-140.0	-176.9	-253.1	-319.9	-393.7	-465.9	-571.7	-676.8	-767.8	-872.3	-971.2
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-48.6	184.9	410.2	614.6	819.0	1017.0	1213.4	1411.4	1631.0	1862.1	2068.0
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-259.0	-279.2	-364.1	-440.0	-534.6	-633.1	-760.1	-863.8	-953.8	-1083.0	-1195.7
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-24.1	195.5	407.2	602.0	795.2	986.3	1175.2	1367.1	1574.8	1798.5	1996.4
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-162.0	-189.6	-276.9	-350.0	-441.0	-538.1	-649.7	-758.1	-851.4	-960.6	-1061.7
SG10	-111.9	-159.2	-233.0	-297.3	-374.2	-451.3	-538.3	-624.4	-701.9	-793.6	-880.0
SG11	-19.0	219.8	442.0	645.6	844.7	1039.3	1230.1	1423.0	1632.9	1857.5	2056.2
SG12	133.8	274.4	449.8	614.9	788.2	963.7	1152.8	1343.0	1526.3	1724.6	1900.6
SG13	-164.1	-212.0	-293.9	-370.2	-458.2	-550.4	-658.6	-770.1	-867.3	-981.2	-1091.5
SG14	-115.7	-167.1	-237.2	-301.4	-376.5	-453.8	-544.7	-636.4	-717.1	-814.2	-905.5
SG15	-24.3	227.1	454.0	663.8	867.3	1067.6	1262.8	1462.7	1679.2	1912.4	2118.3
SG16	140.8	272.9	436.2	590.7	750.9	914.8	1097.3	1281.7	1456.5	1645.6	1814.5

Table B-2. CP1, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.70	1.36	2.01	2.68	3.34	4.03	4.68	5.38	6.12	6.73
SG17	-174.6	-221.7	-286.6	-357.5	-433.6	-512.9	-615.6	-721.7	-814.4	-916.2	-1020.3
SG18	#######	#######	#######	#######	#######	#######	#######	#######	-66292.3	#######	#######
SG19	-56.9	194.8	415.5	617.0	806.7	971.3	1166.0	1328.2	1547.4	1762.8	1952.5
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-188.7	-273.9	-358.2	-430.6	-523.8	-603.9	-708.0	-838.1	-944.9	-1077.2	-1198.6
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-6.8	261.7	507.9	736.0	959.8	1178.7	1393.6	1613.3	1852.1	2112.2	2338.3
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-218.3	-233.3	-275.2	-353.5	-440.2	-509.8	-637.9	-760.6	-864.5	-949.9	-1069.4
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-106.7	126.6	344.1	525.0	725.3	913.2	1106.4	1286.1	1494.1	1721.3	1920.9
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-193.5	-65.2	7.2	96.8	136.4	192.4	258.0	289.4	363.4	425.2	473.8

Table B-3. CP1, Load Condition A, Run 2

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.02	0.67	1.37	2.02	2.68	3.36	4.05	4.77	5.40	6.04	6.80
Hoop-1	506.3	977.3	1631.8	2403.6	3302.2	3977.9	4844.1	5567.7	6455.7	7192.0	8001.2
Hoop-2	6.7	772.8	1607.3	2410.2	3217.0	4006.9	4791.3	5606.1	6390.3	7206.6	7989.3
Hoop-3	37.2	773.9	1642.1	2407.7	3188.0	3988.9	4816.6	5599.7	6421.7	7226.3	7978.2
Hoop-4	199.0	797.1	1601.3	2388.9	3202.8	3998.9	4804.0	5593.0	6390.4	7195.9	7995.4
Hoop-5	-4.8	831.8	1610.2	2399.4	3205.4	4008.5	4809.6	5611.1	6397.4	7191.5	7992.5
Hoop-6	395.6	784.6	1581.3	2396.2	3202.3	3994.6	4803.0	5582.7	6392.8	7201.6	7999.0
Hoop-7	343.1	834.0	1600.2	2409.5	3215.5	3997.2	4811.0	5600.1	6404.6	7193.5	8000.1
Hoop-8	28.6	732.9	1618.9	2395.4	3194.3	3978.8	4798.9	5604.8	6404.1	7188.4	7994.4
Hoop-9	12.4	790.3	1600.6	2397.8	3184.9	4017.0	4798.1	5601.1	6383.2	7204.2	7982.2
Hoop-10	20.3	806.3	1608.6	2399.6	3196.5	3993.6	4793.5	5608.1	6396.6	7202.3	7993.7
Hoop-11	5.4	797.9	1592.3	2379.0	3202.6	3971.8	4798.5	5583.7	6402.2	7162.1	8025.5
Hoop-12	-146.9	805.7	1568.7	2406.7	3166.1	3953.2	4811.5	5570.6	6374.6	7119.1	8011.0
Hoop-13	29.3	794.1	1595.9	2389.8	3199.0	3993.6	4802.2	5581.7	6398.7	6891.5	7465.1
Hoop-14	-10.3	795.6	1571.9	2399.9	3191.1	3997.5	4795.6	5601.6	6400.7	7229.2	8012.8
Long-1	-61.3	-73.1	-60.1	-57.7	-28.2	23.8	-45.9	-61.3	55.7	-32.9	19.1
Long-2	-50.7	-60.1	-57.8	28.3	-55.4	93.1	14.1	63.7	-51.9	42.4	-56.6
Long-3	-6.1	9.7	14.5	-13.4	7.2	-6.1	8.5	7.2	8.5	0.0	1.2
Long-4	35.6	4.4	-18.5	9.2	-1.7	3.2	-1.7	-1.7	-1.7	-8.9	6.8
Long-5	4.9	53.6	64.3	54.8	66.7	66.7	97.5	117.7	130.8	156.9	205.7
Long-6	81.3	28.3	94.5	3.0	6.6	-9.1	7.8	7.8	11.4	-13.9	17.4
Long-7	102.1	-75.8	-83.0	140.3	118.8	-69.9	103.3	-40.0	3.0	-22.1	10.1
Long-8	-54.5	-14.2	-28.4	10.8	-2.3	-14.2	-17.7	-11.8	-3.5	-2.3	7.2
Radial-1R	2204.1	2205.6	2209.9	2203.8	2208.1	2192.0	2148.8	2135.1	2133.0	2160.2	2163.7
Radial-2R	-1740.4	-1671.7	-1699.8	-1315.4	-1620.1	-1664.1	-2255.9	-1539.7	-1754.5	-1977.6	-1695.3
Radial-3R	-5.1	-5.8	-3.8	-6.6	-4.9	-5.4	-6.8	-3.0	-3.4	-4.9	-3.3

Table B-3. CP1, Load Condition A, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.02	0.67	1.37	2.02	2.68	3.36	4.05	4.77	5.40	6.04	6.80
Radial-4R	-35.1	-35.5	-35.4	-36.5	-33.2	-36.2	-34.3	-33.1	-34.2	-32.3	-31.8
Radial-5R	5466.8	5228.0	5380.6	5331.0	5515.9	5270.1	5364.9	5891.5	5459.3	5590.8	5238.2
Radial-6R	-9.5	-9.2	-11.8	-8.9	-9.6	-10.5	-9.6	-11.8	-11.5	-17.7	-15.5
Radial-7R	-10.6	-10.9	-9.4	-11.3	-9.7	-9.8	-9.0	-9.1	-8.5	-8.1	-6.7
Radial-8R	1.5	1.3	0.8	0.0	1.7	0.8	0.9	2.7	2.9	2.4	3.7
Radial-9R	816.6	855.2	857.8	870.1	885.7	875.6	871.1	870.3	886.7	904.4	918.4
Radial-10R	2481.2	2476.2	2204.3	2298.8	2476.1	2604.4	2486.2	2553.8	2282.2	2550.5	2635.0
SG01	-141.2	-220.3	-277.3	-336.3	-422.1	-537.6	-617.8	-723.8	-802.7	-890.9	-992.2
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-27.0	179.7	393.9	580.4	772.8	990.8	1188.8	1418.3	1624.1	1837.6	2087.6
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-250.3	-331.4	-400.7	-482.3	-589.0	-732.8	-822.4	-947.3	-1006.0	-1129.0	-1226.4
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-6.0	191.5	393.5	572.6	760.5	967.4	1159.8	1378.9	1572.8	1777.1	2018.1
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-159.1	-223.2	-294.9	-373.2	-475.3	-593.3	-686.7	-799.9	-875.9	-973.8	-1082.7
SG10	-115.7	-183.2	-245.4	-312.3	-392.3	-485.6	-557.9	-649.9	-718.7	-800.3	-895.4
SG11	-5.1	208.9	420.9	607.7	799.8	1006.9	1205.4	1427.9	1625.5	1833.6	2077.1
SG12	131.7	286.9	456.3	623.4	802.7	1009.5	1186.6	1391.0	1559.0	1735.0	1943.1
SG13	-154.1	-243.6	-316.8	-390.2	-485.7	-601.0	-697.6	-808.4	-894.7	-994.9	-1117.1
SG14	-114.7	-193.7	-255.7	-318.8	-399.0	-492.5	-570.7	-663.6	-737.3	-822.1	-925.2
SG15	-11.1	214.9	434.0	623.9	820.6	1031.7	1237.8	1466.0	1672.5	1887.3	2140.9
SG16	138.1	291.5	450.3	601.6	770.3	969.0	1138.4	1331.0	1494.8	1661.7	1858.9
SG17	-162.7	-254.5	-318.8	-377.0	-462.0	-571.0	-658.6	-756.9	-840.4	-933.8	-1048.0
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-44.4	180.1	396.4	560.9	759.6	951.6	1139.5	1348.1	1523.4	1737.1	1973.4
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-201.5	-318.7	-390.4	-447.9	-540.3	-662.8	-755.6	-856.7	-969.4	-1088.2	-1240.5
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	4.4	244.6	486.3	690.8	906.9	1136.0	1361.0	1611.9	1843.7	2083.4	2367.6
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-240.1	-298.3	-353.6	-435.8	-523.8	-635.4	-731.6	-828.8	-921.7	-1008.1	-1133.7
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-88.0	110.1	315.0	497.5	698.5	879.5	1071.2	1288.5	1487.2	1694.5	1947.2
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-182.4	-91.3	0.5	58.0	109.5	159.6	220.1	275.3	349.2	413.4	496.3

Table B-4. CP1, Load Condition 1, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.02	0.66	1.36	2.05	2.73	3.40	4.08	4.71	5.43	6.06	6.78
Hoop-1	458.4	949.8	1533.1	2532.1	3208.7	3984.2	4784.1	5583.0	6455.7	7096.2	8023.3
Hoop-2	-2.0	806.1	1586.5	2384.1	3208.2	3990.1	4800.6	5613.7	6390.3	7223.9	7987.5

Table B-4. CP1, Load Condition A, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.02	0.66	1.36	2.05	2.73	3.40	4.08	4.71	5.43	6.06	6.78
Hoop-3	-0.7	761.3	1602.8	2377.3	3186.2	3991.5	4766.6	5647.1	6410.9	7224.1	7969.2
Hoop-4	371.7	795.2	1601.6	2396.5	3197.2	4003.4	4789.6	5593.5	6386.7	7186.2	7991.7
Hoop-5	0.7	810.0	1605.0	2403.3	3210.9	4000.2	4790.1	5611.7	6401.0	7196.6	7997.9
Hoop-6	345.9	804.8	1594.4	2389.1	3202.3	3995.3	4787.0	5607.1	6389.1	7195.7	7993.5
Hoop-7	341.2	848.4	1625.7	2398.9	3201.2	3999.8	4806.1	5609.6	6401.0	7195.0	8007.3
Hoop-8	14.1	776.4	1626.0	2381.3	3223.3	3876.4	4798.9	5626.6	6402.9	7210.2	8016.2
Hoop-9	-19.9	804.5	1586.1	2400.1	3211.8	3994.7	4789.1	5608.3	6381.9	7186.3	8000.1
Hoop-10	34.5	793.8	1613.8	2405.4	3205.4	4000.0	4793.5	5593.8	6393.5	7205.8	7972.3
Hoop-11	-5.5	825.1	1617.6	2403.1	3168.0	3967.4	4776.6	5565.5	6379.1	7142.1	8023.7
Hoop-12	-84.2	864.6	1415.6	2374.0	3125.5	3875.1	4818.9	5659.1	6461.8	7185.4	7981.5
Hoop-13	-0.1	772.0	1610.5	2390.2	3199.0	4000.2	4794.8	5611.1	6397.4	7185.7	8002.1
Hoop-14	4.6	803.0	1594.1	2437.7	3183.7	3981.8	4773.2	5616.5	6392.0	7199.3	7990.4
Long-1	76.9	-70.7	134.9	80.5	27.3	48.6	55.7	-15.2	-25.8	-60.1	-32.9
Long-2	-64.8	50.7	88.4	50.7	-54.2	-56.6	-55.4	56.6	-55.4	-48.3	35.4
Long-3	0.0	-23.1	0.0	-7.3	3.6	2.4	4.8	2.4	-6.1	-8.5	-6.1
Long-4	20.0	-2.9	-2.9	-5.3	-7.7	-5.3	-7.7	3.2	-6.5	-1.7	-0.5
Long-5	-3.5	59.5	64.3	39.3	48.8	80.9	97.5	126.1	136.8	166.5	234.2
Long-6	-46.4	-9.1	-41.6	-65.7	35.5	-34.4	-1.9	-6.7	-10.3	-3.1	30.7
Long-7	28.0	-87.8	-72.2	109.2	-63.9	-75.8	50.7	-32.8	-26.9	-9.0	26.9
Long-8	44.0	-42.6	-7.0	-3.5	14.3	-21.3	-22.5	-13.0	-3.5	-17.7	-5.8
Radial-1R	2134.4	2028.1	1950.3	1811.6	1695.9	1650.4	1631.4	1631.8	1632.6	1634.3	1637.6
Radial-2R	-1619.5	-1666.4	-1395.1	-1718.3	-1702.9	-1484.2	-1648.3	-1825.0	-1786.0	-1805.0	-1630.5
Radial-3R	-5.8	-7.6	-6.4	-6.0	-5.8	-3.7	-3.7	-3.3	-5.1	-4.7	-3.1
Radial-4R	-36.1	-37.0	-33.9	-34.9	-35.4	-33.6	-34.3	-33.2	-33.8	-31.2	-32.7
Radial-5R	5559.5	5226.4	5381.1	5247.4	5476.0	5364.4	5172.4	5462.0	5194.6	5259.2	5557.9
Radial-6R	-8.9	-8.8	-8.1	-9.5	-9.7	-11.1	-10.4	-10.5	-16.1	-14.5	-16.6
Radial-7R	-11.3	-12.5	-9.7	-8.7	-11.4	-9.7	-9.7	-8.7	-8.3	-7.9	-7.3
Radial-8R	0.0	1.5	-0.6	0.5	0.8	2.0	3.1	2.3	1.7	1.9	3.9
Radial-9R	923.1	939.3	955.3	946.1	954.3	959.8	987.5	960.6	977.9	956.9	976.9
Radial-10R	2909.2	2713.7	2977.6	2912.7	2848.8	3097.5	3042.8	3037.7	3053.6	2919.5	3958.2
SG01	-212.7	-240.2	-301.8	-405.5	-479.9	-563.9	-636.5	-730.0	-813.7	-898.2	-986.4
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-57.6	144.8	353.7	559.6	767.7	982.0	1189.5	1386.4	1620.7	1830.4	2064.3
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-361.4	-363.1	-449.3	-586.3	-677.0	-770.9	-853.6	-960.8	-1050.9	-1141.3	-1219.5
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-27.9	163.0	357.9	559.7	760.3	965.7	1163.5	1351.7	1573.4	1769.7	1992.6
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-227.1	-242.1	-325.6	-438.2	-526.2	-618.8	-703.8	-809.7	-891.8	-981.7	-1075.9
SG10	-162.1	-195.0	-262.5	-352.0	-423.4	-499.1	-568.8	-653.2	-729.3	-805.4	-886.4
SG11	-32.6	176.2	375.8	581.8	788.8	1002.3	1206.6	1400.5	1626.6	1825.6	2052.4
SG12	175.4	287.3	468.3	673.2	848.9	1028.9	1205.8	1382.6	1574.4	1745.9	1938.5
SG13	-233.6	-264.8	-343.4	-450.4	-539.4	-629.5	-716.5	-820.2	-913.9	-1005.5	-1107.3

Table B-4. CP1, Load Condition A, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.02	0.66	1.36	2.05	2.73	3.40	4.08	4.71	5.43	6.06	6.78
SG14	-172.1	-209.6	-274.4	-364.0	-437.4	-513.5	-585.6	-672.4	-750.5	-832.0	-916.3
SG15	-38.7	182.1	386.1	595.4	810.0	1028.9	1239.5	1439.2	1673.8	1880.6	2115.0
SG16	191.5	295.7	466.4	659.6	826.8	993.5	1160.3	1329.4	1513.2	1678.8	1862.3
SG17	-254.7	-284.0	-351.0	-445.0	-527.8	-606.2	-683.9	-776.4	-863.0	-953.7	-1042.7
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-76.2	147.0	344.9	529.6	739.0	948.8	1140.1	1321.6	1518.8	1732.9	1945.9
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-260.7	-357.9	-392.8	-517.4	-597.2	-691.3	-786.1	-888.3	-992.8	-1128.9	-1244.8
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-29.9	211.3	432.8	650.6	884.7	1129.5	1365.3	1584.5	1844.9	2079.8	2338.3
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-362.1	-365.2	-438.3	-549.5	-625.5	-704.8	-772.8	-835.4	-927.1	-1031.5	-1112.7
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-120.3	78.1	271.0	468.4	671.0	876.7	1092.8	1263.2	1492.8	1691.0	1923.8
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-246.8	-121.3	-60.7	-0.2	67.7	123.7	204.4	243.2	317.1	405.8	479.1

Table B-5. CP1, Load Condition B, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Hoop-1	566.8	438.3	332.0	255.0	93.7	18.5	-14.5	-1.7	-12.7	18.5	-7.2
Hoop-2	-19.6	-17.9	17.3	92.8	-21.4	-12.6	6.7	6.7	-5.6	15.5	-9.1
Hoop-3	-9.7	-20.5	13.7	28.2	-18.7	-0.7	24.5	26.4	1.1	13.7	1.1
Hoop-4	-5.4	28.1	91.2	134.0	197.1	277.0	429.3	557.5	682.0	886.3	1016.3
Hoop-5	-2.9	-6.6	18.9	6.2	-17.5	-2.9	-15.7	8.0	6.2	11.6	28.0
Hoop-6	296.5	289.1	290.9	276.2	241.3	261.6	435.9	547.9	663.6	748.0	830.6
Hoop-7	429.4	319.6	258.5	200.9	71.4	-2.3	4.9	4.9	73.2	206.3	296.3
Hoop-8	-80.3	21.4	-131.1	28.6	-14.9	-102.1	28.6	-44.0	14.1	6.8	-0.4
Hoop-9	-12.7	-25.3	32.1	1.6	-10.9	3.4	-5.5	-5.5	-7.3	-2.0	1.6
Hoop-10	22.1	-1.1	7.8	2.5	2.5	4.3	-8.2	-4.7	0.7	9.6	-6.4
Hoop-11	-0.1	7.2	18.1	34.5	-0.1	25.4	-29.1	50.8	19.9	-16.4	-85.5
Hoop-12	-163.5	-143.2	44.7	-106.3	133.2	131.3	-69.5	-215.1	-187.4	-65.8	-32.6
Hoop-13	-14.8	-0.1	7.2	7.2	-0.1	-0.1	-0.1	29.3	29.3	-7.5	-22.2
Hoop-14	-2.9	4.6	12.0	4.6	-10.3	-10.3	4.6	-2.9	-17.8	4.6	12.0
Long-1	-68.4	687.8	1466.4	2130.6	2838.1	3491.0	4183.8	4929.3	5578.0	6334.8	7041.4
Long-2	-67.2	668.5	1476.1	2091.7	2822.5	3387.9	4094.6	4908.2	5634.4	6294.1	6960.3
Long-3	10.9	708.9	1420.2	2119.6	2802.8	3500.2	4191.4	4902.7	5600.7	6305.4	6994.9
Long-4	-12.5	682.9	1407.2	2106.4	2807.6	3508.5	4218.8	4884.2	5586.8	6292.4	7007.1
Long-5	-1.1	799.8	1412.9	2139.0	2863.6	3513.1	4175.4	4925.1	5651.1	6310.0	7031.3
Long-6	-89.8	658.2	1371.2	2108.6	2778.1	3482.2	4190.9	4896.7	5574.9	6307.8	6964.3
Long-7	-92.5	620.3	1329.5	2081.9	2761.0	3576.0	4243.9	4897.0	5643.2	6258.7	7001.4
Long-8	-42.6	763.0	1200.8	2144.3	2847.7	3287.3	4097.0	4901.5	5514.9	6315.2	7039.0

Table B-5. CP1, Load Condition B, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Radial-1R	1666.5	1680.0	1670.0	1663.3	1657.4	1646.4	1639.1	1638.4	1632.9	1615.3	1588.2
Radial-2R	-1671.2	-1805.1	-1800.9	-1389.4	-1598.1	-1288.0	-1590.5	-1680.6	-1666.2	-1599.4	-1536.0
Radial-3R	-6.2	-4.3	-3.8	-5.7	-5.7	-5.1	-6.6	-4.7	-5.3	-5.8	-4.9
Radial-4R	-38.0	-35.7	-35.9	-35.1	-36.9	-35.1	-37.4	-36.9	-36.2	-35.9	-35.9
Radial-5R	5216.7	5371.9	5408.0	5319.6	5487.8	5333.6	5534.2	5264.1	5250.1	5021.0	5512.1
Radial-6R	-9.2	-11.5	-10.3	-8.6	-8.2	-8.4	-8.5	-8.1	-9.1	-8.1	-9.2
Radial-7R	-12.8	-11.9	-11.8	-10.8	-12.0	-11.0	-11.7	-11.7	-11.4	-11.9	-11.0
Radial-8R	0.0	1.0	0.5	0.6	0.4	1.5	-0.4	0.9	1.5	0.6	0.9
Radial-9R	1012.2	1055.4	1092.8	1079.2	1048.0	1078.1	1073.0	1084.2	1038.8	1041.0	1079.8
Radial-10R	3061.6	3202.8	3125.3	3295.8	3271.6	3191.9	3646.3	3649.2	3659.6	3654.8	3710.6
SG01	-205.8	-14.2	174.1	368.0	577.0	757.8	934.1	1100.4	1269.0	1439.5	1624.6
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-63.7	-125.7	-175.9	-241.8	-305.3	-370.4	-431.0	-490.1	-562.4	-626.0	-691.9
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-328.4	-99.9	137.3	356.1	598.6	813.8	998.8	1185.6	1365.7	1562.1	1772.0
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-28.3	-94.6	-146.9	-212.6	-282.5	-348.1	-403.0	-460.5	-530.4	-591.5	-657.0
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-220.7	-16.6	172.6	354.4	550.2	728.9	885.1	1056.9	1222.8	1399.7	1581.6
SG10	-160.1	14.7	176.8	339.3	511.0	676.5	818.9	976.9	1131.4	1288.2	1451.1
SG11	-31.8	-89.3	-139.8	-195.9	-252.2	-309.1	-363.9	-419.9	-489.5	-547.1	-608.0
SG12	151.4	47.9	-52.8	-143.1	-255.9	-358.6	-424.5	-503.9	-582.8	-675.6	-767.6
SG13	-208.5	-24.5	155.9	327.1	514.4	689.6	841.1	1006.1	1164.3	1332.6	1507.3
SG14	-157.6	14.1	182.7	343.6	516.4	679.8	825.2	985.7	1138.9	1296.6	1461.2
SG15	-42.2	-96.1	-143.0	-196.2	-248.5	-300.7	-354.5	-407.7	-474.9	-527.6	-584.2
SG16	152.6	65.9	-26.3	-104.3	-205.5	-297.7	-350.7	-416.8	-479.9	-562.5	-644.2
SG17	-216.9	-39.1	141.2	308.1	492.7	661.7	812.6	974.9	1127.1	1289.1	1456.8
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-63.7	-119.9	-159.2	-208.1	-252.4	-278.0	-322.8	-392.4	-453.6	-498.8	-544.7
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-268.5	-74.7	140.7	323.3	539.4	740.8	933.0	1131.4	1320.9	1521.5	1724.4
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-29.2	-100.2	-173.5	-245.4	-321.6	-395.7	-473.4	-553.5	-647.4	-729.7	-806.8
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-298.2	-105.8	150.9	319.4	537.9	723.0	904.8	1082.4	1237.6	1424.1	1605.4
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-109.9	-178.0	-220.9	-275.7	-332.5	-386.6	-444.2	-499.8	-570.0	-629.2	-689.3
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-242.7	-170.7	-75.8	-16.7	82.1	139.8	219.8	296.2	351.4	418.1	464.5

Table B-6. CP1, Load Condition B, Run 2

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	0.00	0.01	0.01	0.02	-0.04	0.02	0.03	0.01	0.02	0.03
Hoop-1	-12.7	7.5	-23.7	5.7	-1.7	-1.7	-10.8	0.2	-29.2	-3.5	-16.3
Hoop-2	-10.8	-16.1	-9.1	-3.8	15.5	-19.6	-14.3	-3.8	-14.3	1.5	-10.8
Hoop-3	-4.3	-9.7	6.5	6.5	22.7	-13.3	-13.3	-15.1	10.1	6.5	-7.9
Hoop-4	-1.6	-7.2	-9.1	15.1	211.9	236.1	425.7	499.9	648.5	709.8	804.4
Hoop-5	-4.8	-2.9	-17.5	20.7	-8.4	-4.8	2.5	6.2	8.0	44.3	64.3
Hoop-6	467.2	516.8	579.1	645.3	700.1	727.8	772.0	814.0	845.2	880.1	894.7
Hoop-7	826.9	947.5	1019.2	1100.4	1193.6	1174.0	1102.2	1022.8	918.5	877.2	797.9
Hoop-8	-0.4	43.1	-58.5	28.6	28.6	-0.4	72.2	50.4	14.1	6.8	35.9
Hoop-9	3.4	-2.0	-5.5	-12.7	35.7	-7.3	-3.8	-9.1	-23.5	41.1	-9.1
Hoop-10	2.5	18.5	-1.1	0.7	6.0	-4.7	6.0	4.3	-10.0	2.5	-2.9
Hoop-11	-16.4	-29.1	-40.0	-9.1	-21.9	-7.3	-7.3	83.5	-41.9	105.4	25.4
Hoop-12	-222.4	107.4	-75.0	77.9	-185.5	-211.3	70.5	61.3	-99.0	-152.4	-40.0
Hoop-13	-14.8	7.2	-0.1	7.2	29.3	-22.2	14.6	44.0	-22.2	-36.9	58.7
Hoop-14	12.0	-10.3	-10.3	-10.3	34.4	-2.9	27.0	-2.9	-17.8	-32.7	4.6
Long-1	-19.9	723.2	1419.3	2069.9	2821.8	3486.3	4243.7	4862.5	5632.3	6266.8	6965.7
Long-2	-77.8	700.3	1417.3	2126.7	2862.9	3547.1	4247.6	4840.3	5540.1	6267.5	6974.5
Long-3	1.2	680.9	1375.4	2088.8	2804.3	3502.6	4219.0	4908.1	5593.4	6296.2	6990.1
Long-4	0.7	696.1	1388.1	2092.7	2786.2	3466.4	4170.3	4909.9	5592.8	6311.0	6973.4
Long-5	16.7	1075.4	1373.8	2073.3	2757.0	3440.6	4183.3	4898.3	5545.3	6314.1	6976.6
Long-6	106.6	632.9	1393.1	2073.2	2753.1	3526.8	4244.8	4902.0	5618.2	6259.0	6998.0
Long-7	-79.4	682.3	1343.9	2080.2	2729.0	3476.9	4176.7	4882.0	5634.9	6261.7	7024.1
Long-8	108.1	736.9	1337.4	1948.1	2780.3	3543.6	3969.7	4854.5	5435.4	6337.1	6947.7
Radial-1R	1512.0	1510.4	1501.6	1489.2	1481.0	1477.8	1476.2	1463.4	1448.2	1443.1	1445.1
Radial-2R	-1645.2	-2024.5	-1754.6	-1280.6	-1667.6	-1631.4	-1477.5	-1753.2	-1884.3	-1773.9	-1589.4
Radial-3R	-5.3	-4.9	-5.1	-5.1	-5.4	-5.4	-4.3	-5.0	-5.3	-4.7	-4.7
Radial-4R	-35.3	-36.6	-35.7	-36.1	-36.5	-36.1	-36.1	-36.2	-35.8	-36.2	-35.8
Radial-5R	5070.6	5168.7	5146.6	5321.2	5168.2	5209.7	5471.1	5267.9	5447.4	5362.2	5450.1
Radial-6R	-8.0	-7.8	-8.4	-7.8	-7.8	-8.1	-8.1	-8.1	-8.1	-8.6	-7.6
Radial-7R	-11.8	-12.4	-11.3	-11.6	-11.2	-11.6	-12.0	-11.7	-11.6	-11.8	-11.7
Radial-8R	0.2	0.8	0.8	0.2	0.2	0.2	0.4	0.2	1.2	0.9	1.2
Radial-9R	1213.0	1197.1	1188.7	1215.6	1224.8	1248.3	1225.7	1234.8	1244.5	1232.6	1160.4
Radial-10R	3739.1	3823.6	3656.2	3837.6	4004.4	3940.1	3928.4	3949.1	3753.7	3923.3	3469.6
SG01	-154.9	-26.4	115.4	270.6	466.8	632.1	825.4	1007.5	1217.1	1392.8	1604.5
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-66.0	-126.5	-178.3	-239.7	-294.1	-375.5	-417.0	-485.2	-551.8	-613.7	-682.5
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-305.4	-126.9	38.1	212.9	429.2	619.4	848.6	1052.6	1303.5	1505.2	1740.4
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-19.2	-80.1	-125.6	-182.9	-239.2	-318.0	-368.6	-433.9	-507.7	-570.2	-642.9
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-162.5	3.6	133.8	282.7	466.5	630.1	821.6	996.8	1207.6	1379.1	1571.3
SG10	-127.6	23.1	142.7	278.7	441.8	592.3	767.6	928.3	1113.6	1269.8	1443.9

Table B-6. CP1, Load Condition B, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	0.00	0.01	0.01	0.02	-0.04	0.02	0.03	0.01	0.02	0.03
SG11	-43.8	-102.3	-146.3	-198.8	-250.0	-321.6	-366.9	-425.1	-493.8	-547.1	-607.7
SG12	126.5	48.9	-9.7	-77.3	-166.2	-255.9	-352.2	-438.5	-558.6	-645.7	-742.2
SG13	-141.5	9.5	143.0	285.5	465.2	616.0	801.9	969.3	1170.4	1334.5	1515.0
SG14	-110.4	37.5	165.3	302.0	469.0	613.0	787.2	948.1	1134.4	1289.7	1462.1
SG15	-58.0	-113.9	-159.7	-210.5	-260.5	-328.8	-369.8	-424.2	-486.9	-536.9	-592.1
SG16	121.6	57.8	1.8	-56.2	-136.3	-210.7	-293.0	-368.1	-473.8	-547.9	-631.1
SG17	-146.7	-4.3	133.3	273.5	451.0	595.2	774.5	938.6	1132.1	#######	1469.2
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-83.7	-132.6	-157.3	-197.3	-262.8	-324.9	-359.4	-380.6	-458.7	-474.1	-523.9
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-172.9	-11.2	142.3	306.2	524.5	698.6	903.6	1092.3	1322.9	1508.6	1718.1
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-57.7	-126.4	-188.6	-256.7	-331.3	-415.7	-487.1	-559.7	-656.3	-729.3	-796.6
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-170.3	-20.5	128.5	276.9	479.6	616.4	821.6	1007.4	1230.6	1367.2	1582.0
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-152.0	-197.7	-244.3	-297.6	-347.6	-417.1	-453.5	-509.8	-575.9	-627.4	-683.6
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-191.9	-140.9	-87.1	-53.4	35.7	71.6	159.8	227.9	315.5	390.1	456.0

Table B-7. CP1, Load Condition B, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	-0.02	0.00	0.01	-0.05	0.02	0.02	0.02	0.02	0.05	0.01
Hoop-1	11.2	-34.7	-16.3	-18.2	-7.2	5.7	0.2	5.7	22.2	-5.3	5.7
Hoop-2	1.5	-23.1	-16.1	-21.4	-5.6	10.3	-10.8	13.8	24.3	-0.3	-9.1
Hoop-3	11.9	-31.3	13.7	-0.7	17.3	4.7	6.5	24.5	28.1	13.7	-4.3
Hoop-4	0.2	-20.2	-9.1	-5.4	2.1	107.9	251.0	338.2	481.3	598.4	702.3
Hoop-5	4.3	-28.4	-1.1	-15.7	-2.9	15.2	-12.0	11.6	6.2	29.8	73.4
Hoop-6	391.9	426.8	538.6	625.0	676.4	725.9	753.4	808.4	837.9	852.6	848.8
Hoop-7	834.2	871.9	1003.0	1148.9	1193.8	1226.1	1157.7	1076.7	985.1	920.4	814.1
Hoop-8	6.8	6.8	-36.7	43.1	35.9	-7.7	50.4	-0.4	50.4	-7.7	6.8
Hoop-9	-0.2	-21.7	-27.1	-5.5	-14.5	-10.9	-21.7	-0.2	-10.9	-7.3	-46.8
Hoop-10	4.3	6.0	0.7	-15.3	-4.7	0.7	-13.6	-10.0	32.8	6.0	6.0
Hoop-11	25.4	-12.8	-16.4	-3.7	14.5	30.8	-40.0	12.7	9.0	-21.9	23.6
Hoop-12	-216.9	-80.6	-261.1	46.6	55.8	100.0	-47.4	114.8	112.9	120.3	-205.9
Hoop-13	-7.5	-36.9	-14.8	-14.8	14.6	14.6	-44.2	14.6	14.6	-14.8	14.6
Hoop-14	12.0	-17.8	4.6	4.6	4.6	-10.3	-10.3	4.6	34.4	-10.3	4.6
Long-1	43.9	707.9	1386.2	2076.3	2795.9	3518.5	4184.2	4873.8	5631.7	6328.2	7037.8
Long-2	82.5	642.6	1344.2	2140.1	2730.8	3446.1	4169.3	4890.5	5552.4	6268.7	7019.3
Long-3	46.1	729.6	1431.2	2111.1	2805.5	3528.5	4180.9	4912.4	5594.0	6297.5	7007.1
Long-4	1.9	726.3	1401.3	2104.0	2780.2	3511.3	4212.0	4903.4	5598.2	6313.5	7009.5

Table B-7. CP1, Load Condition B, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	-0.02	0.00	0.01	-0.05	0.02	0.02	0.02	0.02	0.05	0.01
Long-5	7.2	644.2	1407.1	2076.1	2814.0	3526.5	4174.6	4885.9	5611.2	6309.3	7013.4
Long-6	-85.0	616.1	1413.5	2076.1	2780.8	3497.0	4188.9	4900.4	5595.9	6309.6	6977.6
Long-7	141.5	746.9	1409.6	2059.2	2920.1	3499.9	4219.2	4894.6	5590.0	6305.9	7006.2
Long-8	-43.8	572.0	1456.1	2111.1	2712.7	3554.7	4109.3	4861.1	5552.2	6222.0	7069.9
Radial-1R	1439.2	1424.1	1423.0	1412.6	1399.2	1373.1	1353.2	1343.8	1344.1	1349.1	1336.3
Radial-2R	-1758.8	-1786.5	-1497.2	-1560.9	-1537.7	-1561.6	-1542.5	-1927.0	-1669.1	-1547.1	-1873.1
Radial-3R	-5.4	-4.2	-5.0	-5.4	-4.2	-4.2	-4.1	-5.0	-4.2	-4.3	-4.9
Radial-4R	-35.4	-36.2	-35.7	-36.6	-35.9	-35.8	-35.9	-36.3	-36.2	-35.9	-35.4
Radial-5R	5003.7	5466.3	5432.8	4922.9	5238.2	5276.5	5597.8	5006.5	5272.8	5252.3	5281.9
Radial-6R	-8.5	-8.5	-7.6	-7.3	-7.2	-7.2	-8.1	-6.9	-7.4	-7.3	-7.4
Radial-7R	-11.4	-11.7	-12.1	-11.8	-12.0	-11.6	-11.4	-11.7	-11.2	-11.4	-11.2
Radial-8R	0.8	0.9	0.4	0.6	0.5	0.2	0.4	0.4	1.2	1.0	1.2
Radial-9R	1163.4	1162.3	1139.8	1169.5	1151.5	1055.0	1013.3	975.8	1033.2	966.4	959.1
Radial-10R	4200.9	3831.7	3973.6	3577.2	3985.1	4038.3	3754.2	4048.0	3933.3	3821.2	3784.2
SG01	-135.1	-15.6	137.6	306.5	465.2	674.7	857.2	1043.1	1237.6	1424.3	1624.7
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-68.1	-130.2	-188.6	-240.9	-320.1	-362.6	-424.0	-491.1	-556.3	-618.3	-699.1
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-276.7	-112.7	69.4	252.2	438.8	672.8	885.6	1098.0	1324.2	1539.9	1774.9
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-23.3	-82.6	-136.5	-184.8	-261.5	-307.2	-372.7	-441.1	-510.6	-575.0	-660.2
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-138.4	14.8	165.1	316.1	476.0	668.6	849.7	1029.9	1221.5	1405.5	1597.6
SG10	-114.2	23.0	161.1	297.5	445.4	618.2	783.6	947.8	1119.3	1287.6	1463.4
SG11	-43.1	-100.4	-151.5	-195.9	-267.9	-305.9	-368.1	-429.3	-491.0	-547.5	-621.1
SG12	112.9	36.4	-32.5	-101.4	-185.8	-279.5	-376.2	-468.6	-568.0	-660.5	-771.9
SG13	-120.2	19.5	167.9	320.7	471.9	668.6	843.0	1012.1	1192.5	1366.7	1548.9
SG14	-98.0	38.5	179.8	323.6	468.9	649.5	814.0	975.4	1146.4	1313.2	1488.3
SG15	-55.7	-111.9	-162.8	-207.9	-277.5	-315.5	-374.0	-431.3	-488.1	-539.7	-608.6
SG16	107.6	42.6	-18.0	-83.3	-155.1	-243.3	-326.3	-404.1	-489.4	-567.9	-664.4
SG17	-129.3	2.4	149.6	305.3	452.5	650.4	818.6	982.0	1156.3	1326.0	1502.7
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-66.3	-130.3	-172.5	-212.4	-257.0	-288.5	-334.4	-383.3	-435.7	-480.7	-560.0
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-154.7	-2.2	157.8	338.1	506.3	737.1	933.9	1123.6	1331.7	1521.7	1740.0
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-53.1	-124.1	-190.7	-252.7	-338.7	-396.1	-482.1	-559.7	-639.0	-711.5	-809.4
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-150.7	-17.5	159.1	325.2	467.4	691.6	845.2	1050.0	1239.5	1411.6	1624.8
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-153.3	-206.6	-254.5	-287.9	-357.9	-402.0	-462.0	-515.0	-570.6	-629.7	-688.2
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-176.7	-140.1	-89.3	-33.9	15.5	114.9	183.8	249.6	327.4	408.9	488.2

Table B-8. CP1, Load Condition C, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	1.39	2.74	4.07	5.43	6.76	8.08	9.42	10.82	12.17	13.46
Hoop-1	22.2	1556.6	3209.0	4804.2	6524.2	8007.5	9637.6	11190.7	12806.7	14469.6	15992.9
Hoop-2	24.3	1633.7	3205.0	4809.4	6426.1	8012.9	9585.7	11202.3	12782.6	14393.9	16012.0
Hoop-3	13.7	1600.7	3195.5	4775.6	6416.9	7986.2	9582.5	11245.5	12829.7	14382.6	15982.1
Hoop-4	3.9	1629.2	3206.8	4806.4	6398.5	7979.5	9590.2	11197.2	12793.7	14396.8	15990.4
Hoop-5	33.4	1664.7	3202.1	4815.5	6399.9	7993.3	9615.8	11209.2	12808.7	14416.5	16033.1
Hoop-6	263.4	1608.8	3206.3	4796.2	6397.1	7996.1	9600.7	11199.7	12799.3	14400.0	16004.2
Hoop-7	21.1	1627.1	3205.1	4811.5	6396.3	8051.2	9591.1	11217.2	12827.7	14396.2	16016.6
Hoop-8	14.1	1618.7	3201.5	4792.1	6389.6	7964.6	9561.9	11211.2	12794.2	14406.2	16012.6
Hoop-9	-2.0	1568.2	3211.8	4780.6	6415.5	7986.8	9598.2	11201.7	12800.7	14385.3	16019.9
Hoop-10	0.7	1647.6	3189.4	4797.6	6409.0	7992.9	9611.4	11195.2	12792.4	14403.9	16002.6
Hoop-11	-1.9	1561.3	3177.1	4831.7	6351.3	7993.8	9635.1	11208.5	12831.8	14420.5	16000.0
Hoop-12	31.8	1579.6	3245.3	4819.3	6389.4	8047.1	9388.5	11254.3	12802.2	14313.3	15980.7
Hoop-13	-0.1	1610.5	3176.9	4802.7	6428.1	7971.8	9619.2	11201.5	12797.5	14400.9	15483.6
Hoop-14	12.0	1609.1	3213.5	4796.1	6408.2	8004.6	9586.7	11207.2	12811.8	14401.5	16000.3
Long-1	-22.3	1434.6	2794.7	4194.5	5645.9	6979.9	8295.1	9799.2	11223.2	12631.5	14002.0
Long-2	-75.5	1412.6	2766.2	4236.1	5537.1	7071.1	8374.1	9767.8	11197.0	12588.1	13993.5
Long-3	23.0	1394.8	2786.0	4165.9	5646.2	7002.2	8386.1	9800.4	11199.1	12587.7	14001.8
Long-4	47.7	1402.5	2819.9	4190.0	5605.4	6986.7	8414.9	9823.9	11207.8	12600.9	14001.3
Long-5	28.6	1490.2	2755.8	4196.8	5624.3	7014.6	8353.8	9784.5	11222.5	12540.1	13933.9
Long-6	165.6	1446.1	2861.5	4263.2	5612.8	7042.6	8378.5	9813.2	11207.1	12599.3	13985.7
Long-7	-46.0	1464.5	2879.5	4276.1	5367.9	7120.8	8480.9	9807.5	11190.4	12555.0	14020.0
Long-8	-2.3	1332.6	2745.9	3980.8	5572.4	6980.9	8404.8	9736.2	11210.1	12585.2	13978.1
Radial-1R	2561.4	2561.3	2547.2	2510.5	2507.4	2497.7	2549.9	2636.7	2720.8	2795.0	2918.2
Radial-2R	-1544.7	-1359.3	-1576.0	-1599.3	-1708.6	-1748.2	-1453.2	-1521.1	-1923.3	-1733.1	-1698.7
Radial-3R	-5.1	-3.5	-1.9	-3.5	-4.1	-3.0	-0.8	1.8	63.4	155.7	245.8
Radial-4R	-36.6	-36.2	-33.7	-34.1	-34.3	-32.8	-32.0	7.1	101.9	204.7	316.1
Radial-5R	5519.1	5576.8	5457.1	5463.6	5264.6	5245.8	5460.3	5543.4	5386.5	5418.3	5383.8
Radial-6R	-10.1	-9.5	-8.9	-10.8	-16.2	-18.0	-23.4	25.4	116.3	215.4	304.0
Radial-7R	-8.9	-8.6	-8.6	-7.7	-7.5	-6.4	-5.0	18.4	102.7	181.6	268.0
Radial-8R	2.7	4.3	6.0	5.1	2.3	5.0	40.1	116.8	223.3	333.4	436.2
Radial-9R	540.6	564.3	562.8	553.0	574.1	578.3	561.6	634.3	754.4	853.2	951.2
Radial-10R	1017.3	1093.1	1149.3	1180.1	1324.2	1355.7	1400.1	1485.5	1497.9	1600.2	1571.3
SG01	-87.7	86.5	268.0	430.5	594.1	781.3	1008.2	1183.0	1363.9	1535.2	1717.9
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-36.7	295.2	583.6	826.3	1089.9	1350.9	1618.0	1884.6	2149.9	2398.6	2625.8
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-150.4	58.8	272.3	460.8	636.2	835.7	1086.6	1281.9	1487.2	1693.0	1893.6
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-22.7	290.6	563.3	787.6	1032.1	1278.3	1539.8	1792.8	2052.9	2294.4	2511.2
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-95.6	78.9	233.9	392.1	531.4	686.5	886.2	1049.0	1217.7	1381.3	1561.1
SG10	-69.5	75.4	216.5	366.1	501.4	653.3	828.9	989.6	1156.1	1317.2	1493.1
SG11	-9.8	339.7	649.8	894.0	1163.6	1435.5	1725.3	1985.4	2249.0	2494.9	2719.5
SG12	59.5	275.4	468.9	652.4	862.2	1072.4	1185.2	1373.0	1555.3	1728.9	1887.4
SG13	-96.1	26.0	161.4	292.8	407.4	529.2	694.2	848.0	999.4	1149.0	1312.0

Table B-8. CP1, Load Condition C, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	1.39	2.74	4.07	5.43	6.76	8.08	9.42	10.82	12.17	13.46
SG14	-65.4	69.0	213.9	357.1	490.7	629.5	793.9	955.0	1110.8	1266.4	1432.7
SG15	-15.3	357.8	679.2	938.0	1220.4	1510.6	1821.6	2097.9	2383.2	2647.1	2892.0
SG16	61.4	279.9	470.4	660.6	876.6	1096.6	1221.2	1420.2	1615.7	1801.3	1974.7
SG17	-95.3	28.3	182.9	319.0	448.6	572.1	731.4	905.8	1073.3	#######	1415.5
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-44.4	334.2	649.8	896.6	1161.1	1435.6	1734.6	1996.2	2261.7	2498.8	2721.4
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-111.2	29.1	167.1	327.5	448.8	579.6	691.5	873.7	1066.8	1244.9	1433.9
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-12.0	380.9	711.7	983.4	1272.3	1580.2	1919.6	2192.9	2468.5	2718.5	2956.2
SG24	#######	#######	#######	#######	#######	4739.5	5292.1	#######	#######	-23937.4	#######
SG25	-116.1	48.2	230.3	364.0	501.9	663.0	861.2	968.0	1140.3	1336.1	1444.2
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-85.0	243.1	533.6	762.6	1039.4	1295.8	1576.2	1841.8	2120.4	2376.2	2609.1
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-129.3	155.7	412.3	590.9	816.0	1055.5	1301.1	1521.6	1782.6	2009.8	2228.9

Table B-9. CP1, Load Condition C, Run 2

% Load	0	10	20	30	40	50	60	70	80	100
Pressure	-0.02	1.35	2.70	4.03	5.41	6.76	8.12	9.45	10.84	13.51
Hoop-1	35.0	1547.4	3272.2	5017.8	6289.5	7931.6	9645.8	11223.7	12827.4	16047.9
Hoop-2	-10.8	1579.2	3209.3	4819.0	6401.5	7987.5	9621.6	11211.1	12776.1	15978.6
Hoop-3	8.3	1589.9	3209.0	4805.3	6389.9	8064.7	9606.8	11229.3	12774.4	16001.9
Hoop-4	11.4	1590.2	3196.5	4792.4	6394.8	7984.3	9594.8	11202.8	12794.2	16001.5
Hoop-5	-12.0	1588.3	3203.0	4810.9	6403.5	8021.6	9600.3	11209.2	12814.7	15996.8
Hoop-6	-21.1	1594.1	3194.4	4797.1	6411.7	8000.8	9612.6	11192.4	12785.2	15982.1
Hoop-7	-7.7	1594.8	3205.9	4806.9	6396.3	8000.1	9597.3	11202.8	12804.9	15995.0
Hoop-8	-80.3	1655.0	3216.4	4835.2	6425.9	8029.1	9627.2	11210.1	12800.2	15971.5
Hoop-9	26.7	1622.0	3213.9	4787.3	6408.3	8018.3	9589.2	11200.6	12811.9	15995.4
Hoop-10	-52.8	1590.6	3204.0	4807.8	6417.9	7977.9	9604.2	11208.4	12769.8	15997.9
Hoop-11	-18.2	1572.2	3170.2	4794.8	6376.8	7953.0	9640.6	11165.6	12792.3	15997.0
Hoop-12	122.1	1633.0	3208.8	4841.0	6337.8	8201.0	9248.4	11083.6	12845.1	16057.0
Hoop-13	44.0	1588.4	3155.1	4802.2	6376.6	7963.7	9633.9	11207.7	12803.6	15912.8
Hoop-14	-62.6	1601.6	3198.9	4795.6	6400.7	7988.9	9594.1	11198.6	12795.6	15988.1
Long-1	-45.9	1425.0	2822.7	4215.0	5585.6	6975.2	8451.0	9859.3	11164.1	14018.1
Long-2	-46.0	1371.2	2873.2	4188.2	5623.2	7080.6	8336.3	9820.6	11178.1	13976.6
Long-3	230.6	1429.9	2801.5	4236.7	5590.3	7018.0	8439.5	9803.8	11227.0	13988.1
Long-4	63.3	1389.1	2777.5	4186.8	5609.0	6990.3	8380.0	9806.8	11178.9	13990.1
Long-5	-14.1	1506.7	2841.0	4225.7	5561.3	6965.9	8363.3	9765.3	11222.5	13925.1
Long-6	-107.8	1439.9	2958.7	4145.6	5620.0	7055.9	8419.5	9776.8	11220.3	13968.5
Long-7	-80.6	1300.8	2918.6	4153.6	5655.7	7075.5	8422.4	9779.8	11155.8	13968.3
Long-8	550.6	1221.0	2942.6	4077.3	5443.0	6922.7	8406.0	9867.7	11248.1	14002.6
Radial-1R	0.5	3.3	3.3	18.2	134.6	230.5	358.8	471.6	593.8	790.8
Radial-2R	-1923.1	-1708.7	-1625.1	-1698.9	-1541.9	-1660.7	-1752.8	-1657.2	-1518.3	-1329.3

Table B-9. CP1, Load Condition C, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	100
Pressure	-0.02	1.35	2.70	4.03	5.41	6.76	8.12	9.45	10.84	13.51
Radial-3R	-3.0	-3.3	-5.3	-3.7	-0.7	36.3	110.8	190.6	292.0	436.2
Radial-4R	-32.7	-31.5	-31.1	-31.1	-17.2	42.8	132.0	215.3	322.2	495.1
Radial-5R	5410.2	5106.2	5246.9	5363.8	5550.4	5212.9	5122.3	5341.2	5170.3	5303.5
Radial-6R	-8.9	-9.2	-10.0	-17.8	-4.2	41.4	120.6	192.4	288.2	440.3
Radial-7R	-7.5	-8.2	-6.2	-4.7	-0.1	58.5	143.0	213.9	298.5	428.0
Radial-8R	2.4	1.9	2.8	6.2	90.0	170.0	273.1	362.9	462.6	602.8
Radial-9R	258.0	285.8	287.6	299.2	342.7	425.4	543.3	631.6	731.0	873.4
Radial-10R	-20638.9	-18490.6	-17128.4	-15736.9	-14662.0	-13391.0	-12489.4	-11512.5	-10912.7	-9599.2
SG01	-3.4	102.6	306.1	530.1	693.9	880.2	1055.3	1229.3	1400.7	1736.3
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-30.7	310.0	596.1	911.5	1209.0	1468.3	1724.9	1965.7	2218.7	2691.8
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-35.7	93.0	319.9	561.7	742.6	944.1	1137.6	1328.9	1522.8	1883.9
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-25.1	293.9	562.9	868.8	1150.6	1412.0	1671.4	1909.4	2155.9	2609.6
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	3.6	107.2	269.6	447.0	596.9	752.4	906.4	1064.5	1227.3	1529.4
SG10	-13.8	92.4	242.3	396.9	545.7	706.7	860.3	1016.8	1177.6	1478.1
SG11	7.6	340.3	650.4	989.5	1280.8	1546.6	1809.8	2054.9	2308.1	2791.3
SG12	-16.9	255.5	461.8	575.2	790.4	973.9	1158.7	1337.4	1520.4	1904.5
SG13	-8.2	69.2	205.4	357.5	490.8	627.3	755.0	895.4	1039.9	1305.7
SG14	-9.0	97.7	246.4	400.7	545.2	691.4	831.4	980.9	1131.5	1417.9
SG15	3.7	351.0	674.8	1029.9	1338.5	1625.0	1909.8	2173.4	2446.7	2965.5
SG16	-26.5	250.7	456.3	569.4	792.4	992.3	1190.8	1380.0	1575.2	1981.1
SG17	-21.4	75.5	231.1	400.6	547.0	695.5	834.5	991.3	1150.4	1436.9
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-16.3	325.7	646.0	966.7	1276.0	1528.9	1803.4	2040.2	2286.9	2760.9
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-45.5	58.9	213.2	376.6	503.4	667.4	795.7	972.4	1152.7	1448.9
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-1.6	371.1	707.8	1079.7	1401.1	1689.3	1972.7	2223.9	2493.1	3002.7
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	16.1	91.5	270.5	483.2	631.0	780.9	916.0	1076.5	1220.2	1473.4
SG26	34.3	289.8	463.5	538.1	719.3	880.1	1028.6	1175.0	1337.6	1714.5
SG27	-44.8	289.5	581.8	904.6	1202.7	1485.3	1763.2	2014.6	2278.0	2765.9
SG28	#######	#######	#######	22915.6	-37357.9	#######	#######	#######	#######	#######
SG29	#######	#######	444.7	753.7	978.5	1191.5	1423.7	1649.9	1875.5	2294.4

Table B-10. CP1, Load Condition C, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	1.35	2.68	4.03	5.36	6.78	8.08	9.41	10.75	12.12	13.48
Hoop-1	71.7	1639.1	3278.0	4863.4	6399.5	7999.2	9631.2	11252.6	12788.3	14271.2	16059.2
Hoop-2	13.8	1607.3	3183.3	4785.3	6422.6	7996.1	9588.4	11194.8	12773.8	14379.5	15980.5
Hoop-3	-0.7	1597.1	3194.9	4808.5	6498.0	8028.5	9583.5	11207.2	12784.6	14403.8	16018.4

Table B-10. CP1, Load Condition C, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	1.35	2.68	4.03	5.36	6.78	8.08	9.41	10.75	12.12	13.48
Hoop-4	-22.1	1538.2	3195.0	4784.5	6417.1	7978.4	9587.5	11191.3	12801.1	14403.8	16001.8
Hoop-5	4.3	1628.4	3188.7	4794.2	6410.8	7990.4	9594.9	11192.4	12794.1	14396.1	16009.7
Hoop-6	164.3	1601.4	3194.7	4807.7	6404.4	8002.4	9601.6	11197.5	12790.1	14403.3	15995.2
Hoop-7	4.9	1621.7	3199.0	4801.1	6410.7	8008.8	9620.8	11193.4	12791.8	14390.4	16036.6
Hoop-8	-29.5	1553.2	3201.5	4791.6	6404.1	7992.8	9614.6	11187.2	12792.9	14375.7	15981.9
Hoop-9	16.0	1596.7	3197.5	4851.9	6422.7	7987.8	9603.6	11183.3	12797.6	14389.3	16000.4
Hoop-10	4.3	1599.3	3198.3	4790.0	6409.0	7992.1	9613.3	11193.0	12812.5	14402.4	16008.2
Hoop-11	18.1	1590.2	3151.7	4760.3	6382.2	8000.3	9617.1	11184.5	12856.0	14377.3	16022.0
Hoop-12	42.9	1673.4	3190.0	4693.6	6323.0	8053.6	9279.8	11325.7	12624.0	14459.2	15883.3
Hoop-13	14.6	1617.6	3213.7	4802.2	6406.0	7993.1	9621.1	11177.2	12810.9	14384.7	16018.9
Hoop-14	12.0	1623.8	3213.5	4795.6	6415.7	8003.8	9596.0	11212.4	12818.0	14407.6	15998.7
Long-1	80.5	1425.9	2820.4	4218.1	5566.7	6969.1	8475.0	9667.1	11288.2	12589.0	14014.3
Long-2	133.2	1319.0	2803.6	4127.7	5556.0	7054.4	8431.0	9832.8	11218.2	12618.8	14019.9
Long-3	37.6	1376.2	2797.9	4244.8	5594.0	6999.6	8403.5	9812.8	11196.7	12581.6	13987.6
Long-4	-35.4	1397.3	2796.8	4210.4	5603.0	6974.5	8376.8	9788.0	11170.5	12609.3	14012.5
Long-5	-42.7	1525.4	2908.8	4162.3	5589.8	6981.1	8473.0	9774.1	11160.7	12609.0	14011.5
Long-6	-24.7	1342.1	2651.6	4230.7	5605.5	7024.3	8399.3	9797.7	11217.9	12618.6	13998.1
Long-7	71.0	1336.4	2829.1	4167.5	5594.8	6970.2	8413.2	9761.2	11240.5	12614.7	14020.4
Long-8	-36.7	1315.6	2846.5	4263.1	5403.9	7029.3	8355.3	9858.6	11165.0	12536.5	13976.1
Radial-1R	2224.0	2280.4	2271.1	2295.1	2290.3	2281.1	2242.9	2587.8	2687.2	2867.9	3020.5
Radial-2R	-1509.2	-1561.4	-1396.7	-1618.2	-1780.2	-1283.2	-1931.4	-1497.2	-1495.3	-1692.0	-1648.5
Radial-3R	-1.4	-1.4	-1.9	-3.4	-3.8	-5.0	-2.8	0.7	4.1	92.1	187.4
Radial-4R	-33.8	-33.6	-33.1	-34.6	-34.2	-31.0	-29.2	-0.7	74.4	171.4	286.0
Radial-5R	5487.8	5086.8	5382.7	5428.0	5213.4	5451.7	5235.0	5245.3	5402.1	5503.5	5232.3
Radial-6R	-6.1	-4.1	-7.6	-14.1	-18.6	-11.2	-19.7	4.0	78.4	177.0	281.3
Radial-7R	-10.1	-8.1	-6.6	-7.7	-7.8	-2.9	-4.2	-2.0	41.5	123.7	217.2
Radial-8R	4.8	5.4	4.4	5.4	5.0	6.4	7.8	49.8	136.8	244.2	363.0
Radial-9R	394.9	391.3	406.5	414.9	429.8	429.6	447.7	464.3	559.2	673.9	801.4
Radial-10R	-220.8	-3.2	205.3	49.2	188.0	292.4	462.7	597.9	835.3	885.3	858.8
SG01	-183.3	49.4	270.0	440.1	595.7	766.0	955.2	1151.1	1331.6	1507.4	1685.3
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-75.4	284.0	574.9	832.6	1090.0	1372.3	1637.1	1900.8	2153.5	2401.8	2643.6
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	-277.5	25.3	283.6	474.0	647.4	826.6	1049.2	1261.2	1466.2	1664.9	1863.3
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-50.9	284.3	551.9	789.1	1023.5	1291.5	1540.8	1790.9	2034.5	2277.8	2514.6
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	-142.5	68.5	248.2	397.9	551.5	691.6	885.8	1054.6	1216.7	1383.3	1551.0
SG10	-93.5	69.7	226.3	368.1	512.2	650.9	833.6	994.7	1155.8	1319.2	1482.7
SG11	-65.6	320.0	634.5	897.5	1153.1	1445.3	1716.0	1980.8	2232.0	2481.3	2724.2
SG12	103.2	289.9	467.2	667.1	866.1	1095.4	1238.4	1408.3	1585.8	1762.1	1934.1
SG13	-173.4	12.5	170.6	295.6	418.7	535.5	683.0	837.4	985.7	1134.0	1285.2
SG14	-116.9	58.1	220.0	357.5	493.4	626.8	790.5	951.4	1107.5	1261.7	1416.4
SG15	-69.0	335.2	664.0	940.5	1211.6	1518.5	1812.4	2094.7	2367.7	2637.2	2900.8
SG16	125.6	296.4	473.0	674.9	883.3	1117.6	1286.2	1467.1	1658.3	1846.4	2029.9

Table B-10. CP1, Load Condition C, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	1.35	2.68	4.03	5.36	6.78	8.08	9.41	10.75	12.12	13.48
SG17	-205.8	5.8	184.3	318.3	445.1	571.6	712.5	881.7	1050.0	#######	1379.4
SG18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-100.4	307.5	622.0	881.6	1135.6	1440.5	1713.6	1994.5	2250.4	2497.6	2735.3
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	-216.2	-30.6	154.4	301.3	418.4	549.6	677.9	844.9	1034.6	1216.6	1397.6
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-75.3	351.1	687.4	974.8	1268.7	1591.1	1898.4	2193.3	2457.1	2715.1	2971.7
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	-267.5	-13.8	218.4	351.9	484.8	595.5	743.7	910.0	1074.5	1224.8	1383.5
SG26	-9935.2	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	-76.7	243.5	541.3	795.0	1046.3	1328.4	1600.5	1864.8	2122.4	2366.8	2640.5
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	-209.8	117.7	397.5	627.9	819.0	1033.7	1299.4	1543.9	1768.3	1977.2	2217.0

Table B-11. CP1A, Load Condition B, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.03	0.00	0.00	-0.01	0.00	0.02	0.00	-0.01	0.02	0.01	0.00
Hoop-1	84.5	-10.8	55.2	-29.2	31.3	38.7	11.2	3.8	11.2	22.2	-69.5
Hoop-2	3.9	14.4	2.1	2.1	0.3	-34.8	-1.4	16.2	-13.7	-57.6	-19.0
Hoop-3	-35.2	4.4	2.6	8.0	-10.0	-10.0	-1.0	4.4	0.8	-1.0	-4.6
Hoop-4	55.8	-85.3	-16.6	44.7	-18.5	148.7	327.0	496.1	769.2	1066.1	1209.2
Hoop-5	144.6	71.8	-0.9	31.8	0.9	-13.7	-17.3	30.0	-10.0	-10.0	15.4
Hoop-6	-247.9	32.9	7.2	-18.5	-5.6	-7.5	-20.3	-2.0	124.7	170.5	9.0
Hoop-7	198.3	210.9	149.7	29.2	0.4	-8.6	-12.2	0.4	-15.8	-5.0	14.8
Hoop-8	-57.6	-64.9	-6.8	-64.9	44.0	-72.1	-108.4	-43.1	-57.6	-35.8	-130.2
Hoop-9	-99.6	6.1	-11.8	47.3	-13.6	-45.9	49.1	4.3	-45.9	65.2	7.9
Hoop-10	-52.6	-31.2	0.9	20.5	-2.7	-65.1	-20.5	91.8	95.3	-65.1	-63.3
Hoop-11	15.9	26.8	-16.8	-38.6	-25.9	66.8	-15.0	35.9	23.2	34.1	-0.5
Hoop-12	-41.5	-275.5	94.8	185.1	199.8	-142.9	-277.4	-93.2	-141.0	-211.0	-198.2
Hoop-13	-104.5	79.3	-23.6	-8.9	27.9	49.9	64.6	-23.6	123.4	49.9	123.5
Hoop-14	4.6	12.0	27.0	-10.3	-2.9	4.6	4.6	4.6	-32.7	-40.2	-47.7
Long-1	134.4	2224.6	4135.7	6225.5	8144.5	10594.7	12465.4	14304.5	16155.0	18159.8	21788.2
Long-2	709.5	2076.4	3947.0	6499.1	8133.5	10360.5	12625.6	15026.6	16934.3	19048.2	20820.8
Long-3	1199.1	2062.8	4266.5	6306.8	8421.5	10527.5	12625.4	14621.7	16940.2	18929.6	20880.9
Long-4	30.9	2077.5	4297.8	6232.3	8460.5	10514.2	12644.1	14706.8	16818.4	18927.3	20935.9
Long-5	511.0	2235.3	4659.6	6219.7	8582.9	10498.4	12601.8	14565.3	16893.0	18908.0	20985.5
Long-6	-0.3	2065.5	4320.8	6187.6	8379.9	10381.7	12603.1	14671.8	16711.1	18605.6	19764.0
Long-7	1308.5	2278.6	4363.8	6226.3	8111.7	10654.6	12761.1	14660.2	16873.9	18939.3	20969.6
Long-8	-198.1	2008.9	3977.9	6188.1	8256.2	10623.2	12450.8	14634.5	16824.8	18689.9	20976.8
Radial-1R	0.7	0.7	1.3	1.7	84.3	148.5	211.0	252.0	317.2	358.6	401.9
Radial-2R	-1475.0	-1221.0	-1426.6	-1300.4	-1648.1	-1367.3	-1656.2	-1931.7	-1257.0	-1126.9	-1241.5
Radial-3R	0.8	1.2	3.2	37.0	130.4	174.6	213.0	242.6	290.7	324.1	355.4
Radial-4R	-35.4	-36.1	-43.5	33.7	114.7	167.0	217.6	253.7	311.5	349.3	396.1
Radial-5R	5072.3	5401.0	5334.2	5460.9	5108.4	5442.0	5399.4	5302.9	4991.9	5342.3	5348.2

Table B-11. CP1A, Load Condition B, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.03	0.00	0.00	-0.01	0.00	0.02	0.00	-0.01	0.02	0.01	0.00
Radial-6R	3.2	5.1	11.3	8.4	26.7	57.0	57.5	69.5	105.2	107.5	119.6
Radial-7R	-14.5	-15.6	-15.1	28.2	91.3	157.7	190.1	234.7	302.3	355.0	397.8
Radial-8R	-1.7	-1.4	-0.6	121.5	205.6	287.8	355.3	402.5	489.6	545.9	609.5
Radial-9R	255.8	325.3	344.2	389.3	526.9	636.5	734.3	762.3	869.2	924.0	991.0
Radial-10R	-6188.2	-6004.0	-5766.8	-5633.4	-5366.5	-5376.2	-5238.4	-5255.7	-5306.0	-5275.7	-5293.0
SG01	224.5	656.0	1227.5	1745.5	2280.1	2864.0	3378.8	3904.5	4458.0	4978.2	5501.6
SG02	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG03	-48.2	-193.1	-371.2	-536.3	-743.5	-970.2	-1202.6	-1456.4	-1704.6	-1944.3	-2189.3
SG04	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG05	288.9	767.6	1426.2	2004.4	2621.8	3269.3	3877.5	4464.0	5106.1	5837.3	6387.4
SG06	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG07	-73.9	-211.6	-379.1	-508.6	-681.8	-871.0	-1075.2	-1280.0	-1473.6	-1675.0	-1898.6
SG08	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG09	236.3	632.6	1209.9	1687.5	2245.3	2802.4	3356.0	3872.6	4435.4	4953.5	5435.0
SG10	187.5	543.1	1058.9	1509.6	2022.5	2532.0	3046.5	3527.3	4053.1	4537.5	4992.0
SG11	-32.7	-145.3	-292.5	-461.2	-667.7	-879.3	-1109.5	-1326.3	-1552.9	-1777.0	-1999.6
SG12	-189.9	-390.7	-753.1	-1071.6	-1396.0	-1686.5	-2003.6	-2284.2	-2605.1	-2897.9	-3140.9
SG13	198.4	614.8	1183.2	1655.0	2195.4	2731.0	3261.3	3759.2	4291.9	4786.9	5272.1
SG14	187.3	566.6	1092.2	1539.9	2045.5	2553.9	3060.4	3537.0	4045.1	4518.4	4988.1
SG15	-26.4	-145.7	-287.1	-441.2	-629.8	-827.4	-1040.1	-1240.9	-1439.6	-1642.4	-1860.6
SG16	-171.1	-359.6	-695.9	-972.1	-1260.0	-1508.8	-1773.8	-2009.1	-2270.8	-2512.8	-2722.2
SG 17	206.6	615.4	1168.3	1636.9	2158.2	2679.1	3186.4	3665.1	4170.9	4645.0	5120.8
SG 18	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG19	-24.5	-115.1	-221.5	-348.5	-512.6	-681.3	-849.1	-1019.2	-1188.2	-1361.6	-1559.3
SG20	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG21	244.1	654.0	1259.2	1801.2	2365.1	2948.0	3531.9	4083.9	4813.0	5364.2	5915.7
SG22	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG23	-1.6	-126.9	-314.0	-547.4	-785.3	-1045.0	-1334.4	-1619.5	-1913.5	-2216.9	-2489.4
SG24	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG25	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG26	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG27	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG28	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG29	97.0	245.7	481.9	718.4	939.2	1163.2	1367.2	1554.2	1779.3	1963.5	2102.1
SG A	264.7	824.5	1601.5	2288.5	2986.9	3685.4	4336.5	4949.3	5613.1	6233.6	6849.2
SG B	227.0	705.7	1362.1	1941.5	2543.3	3145.8	3712.9	4249.7	4830.7	5371.8	5909.4
SG C	188.8	622.3	1215.2	1730.6	2281.7	2835.8	3365.0	3869.1	4408.4	4916.9	5427.2

Table B-12. CP1B, Load Condition A, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.63	1.19	1.75	2.36	2.94	3.53	4.15	4.74	5.31	5.93
Hoop-1	-31.0	704.5	1390.2	2098.2	2803.5	3485.9	4203.6	4906.5	5592.5	6315.2	6993.4
Hoop-2	141.0	749.3	1394.1	2076.2	2792.5	3504.4	4185.3	4927.6	5604.3	6330.3	7024.2
Hoop-3	-6.3	757.9	1453.2	2094.9	2793.3	3485.4	4208.7	4888.6	5618.5	6301.5	6996.8

Table B-12. CP1B, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.63	1.19	1.75	2.36	2.94	3.53	4.15	4.74	5.31	5.93
Hoop-4	51.9	763.8	1382.2	2084.8	2791.9	3501.9	4203.1	4896.7	5601.0	6301.6	7011.0
Hoop-5	78.8	648.4	1441.4	2045.5	2785.2	3482.1	4201.4	4920.6	5584.7	6308.9	6994.4
Hoop-6	32.9	725.3	1402.6	2100.5	2801.1	3502.7	4208.5	4910.5	5593.6	6317.1	7027.4
Hoop-7	-29.7	747.7	1420.3	2086.1	2814.0	3508.6	4216.4	4940.2	5602.4	6322.1	7039.7
Hoop-8	-11.9	714.2	1382.1	2093.9	2811.9	3502.3	4207.0	4873.6	5592.8	6297.6	6986.0
Hoop-9	530.3	1387.3	1946.4	2385.7	2854.5	3496.8	4210.6	4924.4	5580.8	6292.9	6981.6
Hoop-10	-26.9	723.6	1434.7	2098.0	2813.7	3477.3	4278.0	4914.7	5610.3	6232.9	7149.4
Hoop-11	268.1	849.8	1371.4	2165.9	2768.6	3478.0	4214.6	4909.3	5653.2	6453.5	6675.7
Hoop-12	-187.1	726.9	1506.2	1804.9	2837.8	3514.6	3992.2	4923.2	5675.4	6420.4	7296.0
Hoop-13	28.2	712.2	1403.4	2124.3	2748.7	3455.2	4235.2	4866.3	5558.0	6183.6	6939.7
Hoop-14	278.3	576.9	1420.1	2144.2	2815.1	3532.0	4189.2	4889.3	5591.2	6293.2	7000.8
Long-1	196.4	-28.1	12.1	8.6	-28.1	44.0	-18.6	-5.6	42.8	-15.1	-2.1
Long-2	61.4	74.3	77.8	67.3	63.7	67.2	75.5	72.0	80.2	79.0	76.7
Long-3	-18.4	342.1	101.8	-7.4	224.3	187.9	-19.6	-17.1	105.4	158.8	-15.9
Long-4	81.3	110.2	77.7	93.4	51.3	62.1	95.8	139.1	135.5	157.1	186.0
Long-5	333.8	260.1	262.5	-30.9	-28.6	-29.7	-29.7	774.6	266.0	-29.8	140.1
Long-6	142.8	-28.2	334.2	209.0	-16.2	-18.6	-29.4	-21.0	85.0	11.5	-21.0
Long-7	-40.1	102.0	-18.6	4.1	28.0	0.5	8.9	-22.2	12.5	63.8	2.9
Long-8	40.1	156.3	200.2	238.2	276.1	292.7	325.9	347.4	379.3	399.5	376.9
Radial-1R	98.0	95.3	89.7	94.3	101.6	111.2	122.2	130.9	136.8	137.0	148.0
Radial-2R	742.6	441.5	207.9	713.1	752.0	860.5	548.1	575.8	633.9	585.9	596.8
Radial-3R	49.1	49.4	42.1	40.6	41.7	43.8	44.9	47.1	46.0	43.0	43.0
Radial-4R	220.3	179.4	92.4	362.9	288.8	429.2	427.1	596.6	594.5	660.3	728.5
Radial-5R	-328.6	-271.5	-382.5	-358.2	-221.7	-285.9	-34.2	-119.4	-517.9	-455.3	52.7
Radial-6R	45.1	40.5	39.0	47.5	60.1	71.4	82.6	91.7	98.0	100.6	113.1
Radial-7R	-6.3	-12.4	-12.3	-7.5	2.2	9.8	12.7	14.2	15.7	12.9	13.5
Radial-8R	174.1	243.8	308.0	-11.7	183.8	333.4	422.6	258.3	354.5	278.3	447.3
Radial-9R	179.8	144.9	111.9	132.3	132.3	140.3	178.7	170.4	171.9	198.6	162.9
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-59.7	-162.8	-239.6	-306.8	-379.5	-457.9	-549.7	-634.6	-720.4	-827.3	-935.9
SG02	-17.5	-102.3	-171.6	-237.3	-306.9	-379.1	-459.3	-533.0	-608.9	-702.5	-798.9
SG03	-5.6	178.4	345.3	531.5	730.0	927.6	1122.7	1309.0	1490.4	1673.7	1877.2
SG04	-57.0	146.8	325.3	474.8	628.0	785.3	951.9	1128.3	1298.4	1487.4	1667.2
SG05	-28.3	-148.3	-231.1	-318.4	-406.3	-489.1	-587.8	-659.6	-763.7	-891.1	-999.1
SG06	5.3	-96.8	-175.1	-258.2	-342.0	-418.9	-507.8	-573.5	-664.9	-777.6	-876.3
SG07	-5.4	161.5	319.0	518.3	731.2	940.0	1141.2	1322.1	1505.2	1684.2	1885.8
SG08	-67.7	119.5	277.4	403.7	527.3	640.4	767.5	895.4	1038.5	1204.7	1341.2
SG09	-18.2	-107.1	-187.2	-293.9	-396.8	-483.9	-579.7	-630.5	-734.7	-857.0	-954.1
SG10	12.8	-71.0	-148.1	-250.0	-345.7	-426.0	-514.2	-556.9	-655.6	-773.1	-865.1
SG11	-60.5	104.2	277.3	474.5	679.4	873.5	1062.5	1230.8	1414.1	1600.4	1792.8
SG12	-39.6	139.2	308.4	478.2	645.6	795.9	953.5	1087.5	1258.7	1443.4	1603.7
SG13	-26.5	-121.1	-226.2	-340.1	-454.0	-559.6	-672.7	-757.0	-878.4	-1015.5	-1139.3
SG14	0.0	-93.8	-189.6	-298.0	-404.6	-500.4	-602.8	-676.0	-783.6	-904.7	-1016.0
SG15	-55.7	119.3	302.3	506.8	720.2	926.1	1127.5	1312.5	1506.1	1701.2	1907.5
SG16	-45.9	142.7	336.8	527.6	719.4	897.1	1079.5	1244.6	1445.3	1651.6	1843.7

Table B-12. CP1B, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.63	1.19	1.75	2.36	2.94	3.53	4.15	4.74	5.31	5.93
SG17	-1344.7	-1423.9	-1514.2	-1598.7	-1666.0	-1763.2	-1861.6	-1943.9	-2054.8	-2173.1	-3303.1
SG18	14.3	-48.1	-113.1	-182.6	-244.4	-304.6	-373.3	-421.8	-499.0	-589.0	-667.8
SG19	-126.6	10.9	148.4	297.4	446.3	426.4	566.6	884.5	1030.5	1179.8	1485.8
SG20	-30.6	136.0	312.0	477.3	641.4	800.8	966.2	1121.6	1298.6	1489.8	1668.5
SG21	-35.3	-118.0	-229.2	-329.0	-423.6	-515.1	-620.9	-718.4	-818.2	-937.7	-1054.8
SG22	2.0	-59.3	-156.5	-225.8	-322.1	-390.8	-493.6	-578.3	-649.8	-743.4	-835.1
SG23	-64.5	126.7	330.4	542.1	762.7	977.3	1189.4	1395.3	1594.2	1797.6	2016.6
SG24	-24.2	158.0	353.0	532.1	702.8	872.3	1051.9	1231.4	1412.7	1613.3	1802.6
SG25-45	-49.2	251.8	644.0	1092.9	1573.7	2021.0	2432.0	2844.9	3195.0	3504.4	3901.5
SG25-H	-36.3	597.2	1322.3	2205.9	3151.6	4071.3	4935.4	5772.0	6550.4	7280.1	8174.8
SG25-L	-44.5	180.6	412.5	725.2	1053.1	1380.4	1668.7	1953.6	2196.8	2404.8	2681.5
SG26-45	-244.0	110.6	572.6	920.0	1273.7	1597.6	1931.9	2316.1	2665.0	3025.9	3403.4
SG26-H	-412.6	400.2	1222.8	1908.2	2584.6	3244.2	3938.3	4673.9	5440.4	6281.0	7109.7
SG26-L	-119.7	29.5	225.2	368.3	512.9	647.3	778.3	945.3	1084.0	1216.2	1362.6
SG31	-43.8	-42.2	-33.9	-4.4	24.2	54.6	66.0	95.9	91.0	65.3	64.6
SG32	-61.7	-55.1	-32.9	-21.0	-9.5	4.4	6.5	27.5	25.9	13.0	17.3
SG33	-22.9	314.6	627.0	1018.0	1434.1	1844.7	2234.7	2599.1	2952.3	3294.0	3681.0
SG34	-195.0	109.7	410.8	650.6	885.7	1111.3	1355.3	1612.8	1888.9	2197.9	2476.7
SG35	-46.1	-89.6	-132.5	-152.5	-177.0	-193.4	-231.5	-256.9	-309.5	-385.5	-434.7
SG36	-58.4	-67.8	-62.5	-63.8	-64.9	-62.8	-74.7	-64.6	-80.3	-113.3	-123.7
SG37	13.4	263.9	500.3	795.8	1113.2	1422.4	1720.3	1999.7	2264.3	2522.1	2814.9
SG38	-382.1	218.0	801.0	1252.0	1689.7	2102.2	2560.0	3037.4	3558.5	4146.4	4657.8
SG39	-42.0	-132.3	-206.8	-278.7	-356.5	-430.5	-522.2	-594.1	-694.0	-816.4	-915.8
SG40	-42.4	-72.2	-90.9	-110.5	-130.0	-145.9	-174.8	-186.8	-220.6	-271.2	-302.5
SG41	-26.6	177.0	369.0	610.2	868.6	1122.7	1366.7	1594.1	1813.7	2026.3	2267.4
SG42	-152.7	76.6	300.2	471.3	637.0	792.7	965.1	1146.6	1345.3	1571.7	1764.6
SG43-45	-260.0	260.3	733.6	1153.0	1551.3	1960.9	2389.4	2824.1	3300.9	3830.5	4331.0
SG43-H	-505.1	286.3	1050.4	1696.9	2321.5	2940.5	3593.8	4268.0	4994.7	5794.3	6505.9
SG43-L	-174.8	35.1	237.6	413.4	585.8	760.6	929.9	1118.5	1306.9	1498.8	1695.8
SG46	-55.3	-62.2	-73.8	-54.5	-68.6	-15.1	83.3	#######	#######	#######	#######
SG47	-122.7	145.1	423.4	639.0	844.9	1042.5	1261.8	1559.7	1806.5	2077.9	9519.3
SG48	-61.9	-63.0	-85.4	-96.0	-105.7	-108.2	-122.1	-129.0	-141.8	-165.2	-177.9
SG49	-170.6	62.0	346.4	550.4	743.0	920.3	1117.4	1331.6	1550.7	1799.3	2022.3
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	-123.3	110.3	396.0	603.2	799.5	979.1	1173.0	1384.1	1607.3	1858.7	2085.4

Table B-13. CP1B, Load Condition A, Run 2

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.60	1.19	1.79	2.37	2.94	3.54	4.17	4.72	5.30	5.88
Hoop-1	260.6	720.9	1401.5	2096.2	2819.3	3529.1	4154.1	4916.6	5616.3	6285.2	6983.5
Hoop-2	-40.0	689.4	1376.8	2107.6	2812.9	3479.1	4355.8	4880.9	5574.4	6268.1	6984.9
Hoop-3	62.2	712.7	1401.3	2165.0	2781.8	3500.8	4140.2	4959.7	5602.2	6272.1	7026.7
Hoop-4	-13.1	648.4	1350.9	2093.9	2796.7	3501.1	4266.3	4901.3	5593.6	6280.5	6991.7
Hoop-5	18.8	741.1	1450.7	2150.8	2808.1	3492.2	4146.9	4926.9	5593.8	6291.9	6999.2

Table B-13. CP1B, Load Condition A, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.60	1.19	1.79	2.37	2.94	3.54	4.17	4.72	5.30	5.88
Hoop-6	-24.0	690.3	1406.6	2098.5	2809.6	3498.2	4261.8	4887.4	5606.5	6279.8	6975.3
Hoop-7	107.0	725.9	1402.6	2114.7	2829.5	3497.1	4153.5	4914.0	5625.8	6281.9	6992.2
Hoop-8	46.2	721.3	1411.2	2100.7	2797.4	3486.7	4213.4	4897.3	5593.9	6296.4	7001.9
Hoop-9	657.6	1609.1	2206.3	2724.0	3078.5	3485.0	4172.1	4901.2	5619.6	6302.4	6970.5
Hoop-10	-55.4	780.4	1329.5	2086.9	2861.8	3506.6	4325.3	4813.3	5590.0	6347.5	7113.4
Hoop-11	351.7	824.2	1376.9	2167.3	2903.1	3386.2	4326.4	5269.4	5581.6	6092.4	6444.4
Hoop-12	144.5	748.8	1504.4	1852.4	2784.4	3397.5	4081.7	5035.8	5352.2	6514.9	7069.0
Hoop-13	101.7	712.0	1403.4	2079.8	2785.4	3410.1	4219.6	4853.5	5610.6	6329.5	7007.3
Hoop-14	-27.7	696.1	1390.2	2099.0	2807.6	3508.6	4188.3	4876.3	5607.2	6292.0	7024.6
Long-1	149.1	-19.8	105.4	98.3	-9.2	-17.4	-23.3	100.7	-18.6	61.7	-19.8
Long-2	63.7	48.4	48.4	54.3	61.4	59.0	64.9	61.3	62.5	67.2	76.7
Long-3	-20.8	288.7	-14.7	-24.4	-15.9	62.9	4.7	30.2	265.6	10.8	-36.6
Long-4	5.6	-4.1	-4.1	-2.9	35.6	3.2	8.0	3.2	30.8	72.9	94.6
Long-5	-42.8	-9.6	-19.1	-38.1	686.6	-38.1	741.1	-38.1	-22.6	536.8	213.8
Long-6	16.3	32.0	26.0	26.0	21.2	20.0	5.5	28.4	10.3	21.2	12.7
Long-7	264.3	-34.1	2.9	31.6	-1.9	17.2	57.8	-21.0	35.1	10.1	-23.4
Long-8	11.6	98.2	126.6	161.1	196.6	257.1	201.4	250.0	347.3	408.9	458.8
Radial-1R	82.7	70.7	69.2	69.6	75.1	78.9	88.0	89.5	98.8	111.6	124.2
Radial-2R	428.3	562.5	485.5	314.7	693.8	1018.0	579.6	441.1	499.0	431.9	708.5
Radial-3R	46.0	34.9	32.3	29.6	30.1	32.9	35.2	34.3	36.8	39.5	41.7
Radial-4R	781.3	390.4	468.2	382.8	372.1	-37.1	392.0	273.8	130.2	468.1	346.2
Radial-5R	-344.8	-348.5	-588.0	-276.8	-385.8	-242.9	-273.6	-25.5	-344.8	-218.6	-254.2
Radial-6R	35.0	28.9	32.3	39.0	50.5	61.3	72.4	83.5	89.8	101.5	112.3
Radial-7R	-1.9	-6.2	-1.6	0.0	3.4	6.9	10.0	21.8	26.0	27.7	35.0
Radial-8R	308.0	447.3	627.8	198.9	386.3	241.5	452.8	472.9	103.4	246.4	227.0
Radial-9R	156.6	167.8	191.7	190.0	168.7	175.9	175.5	196.9	237.3	223.2	222.4
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-144.8	-275.9	-335.7	-397.2	-442.8	-506.0	-582.6	-684.0	-750.2	-837.1	-928.2
SG02	-80.4	-187.5	-247.4	-309.5	-357.5	-420.5	-490.3	-582.2	-642.3	-718.5	-800.0
SG03	-15.7	177.3	362.0	555.6	731.8	915.5	1109.4	1314.9	1487.0	1676.4	1862.5
SG04	3.3	230.1	383.9	541.7	686.4	825.3	998.8	1170.0	1314.3	1492.9	1651.1
SG05	-172.0	-303.3	-369.5	-429.1	-466.0	-552.0	-614.9	-746.5	-812.8	-890.0	-992.9
SG06	-118.7	-232.1	-298.1	-359.8	-399.2	-479.9	-539.1	-656.4	-716.0	-786.5	-878.7
SG07	-49.4	120.1	313.2	518.4	704.5	906.3	1103.3	1324.5	1500.1	1685.5	1878.5
SG08	62.6	255.1	382.8	494.9	598.1	709.4	829.2	973.4	1078.7	1211.7	1334.8
SG09	-145.8	-241.2	-317.4	-388.2	-426.2	-536.6	-586.2	-730.6	-794.3	-853.8	-955.0
SG10	-112.0	-204.2	-278.4	-346.9	-377.7	-482.7	-525.4	-662.0	-720.5	-773.5	-868.9
SG11	-63.5	119.3	307.1	500.9	671.6	864.1	1042.2	1257.4	1421.0	1595.0	1777.1
SG12	71.6	248.6	410.1	555.5	681.4	845.5	978.9	1170.8	1303.1	1445.7	1598.8
SG13	-124.8	-229.8	-325.1	-414.8	-482.2	-597.1	-679.1	-829.2	-911.5	-1006.0	-1123.0
SG14	-99.2	-198.4	-288.9	-373.5	-436.2	-542.8	-616.3	-751.5	-824.8	-908.1	-1012.6
SG15	-70.8	117.0	316.4	523.3	708.4	907.6	1103.4	1324.4	1500.1	1691.9	1886.1
SG16	44.7	239.9	425.5	599.7	752.9	939.2	1102.9	1317.5	1482.3	1654.9	1834.3
SG17	-1173.7	-1218.2	-1259.4	-1292.1	-1313.1	-1368.2	-1401.6	-1481.3	-1516.7	-1566.3	-1629.7
SG18	-64.7	-119.3	-178.8	-231.5	-263.4	-333.0	-381.9	-472.7	-518.6	-579.4	-655.0

Table B-13. CP1B, Load Condition A, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.60	1.19	1.79	2.37	2.94	3.54	4.17	4.72	5.30	5.88
SG19	-149.5	-178.2	-34.9	297.4	432.0	572.2	721.0	878.7	1007.6	1153.8	1293.9
SG20	39.4	208.6	375.7	533.7	667.0	832.2	985.7	1176.6	1321.5	1485.3	1650.9
SG21	-108.1	-191.5	-296.1	-385.6	-455.1	-548.4	-648.4	-762.8	-833.1	-941.5	-1043.7
SG22	-52.1	-134.6	-212.7	-281.3	-349.9	-432.2	-513.9	-618.3	-671.7	-739.6	-830.7
SG23	-86.0	109.6	330.2	550.5	750.8	955.6	1173.6	1396.1	1579.0	1791.6	1992.9
SG24	28.3	212.5	401.5	582.0	733.1	906.6	1087.9	1290.5	1441.6	1627.5	1800.1
SG25-45	-294.7	34.6	495.4	974.1	1480.5	1881.0	2338.7	2736.9	3100.9	3511.3	3865.3
SG25-H	-358.6	286.2	1136.7	2074.4	3000.6	3852.3	4764.8	5647.4	6425.6	7276.5	8081.0
SG25-L	-309.7	-89.8	232.8	590.6	930.8	1236.2	1559.2	1835.4	2121.6	2402.7	2665.4
SG26-45	-122.7	297.6	683.9	1021.3	1409.6	1692.5	2071.0	2411.4	2706.9	3099.4	3401.9
SG26-H	3.9	859.6	1566.1	2230.5	2868.4	3505.2	4220.2	4997.9	5629.5	6398.1	7091.8
SG26-L	-109.9	61.7	229.7	378.8	557.2	673.2	837.1	959.5	1093.0	1258.0	1374.6
SG31	-185.4	-185.4	-143.0	-93.5	-38.9	-4.3	30.2	21.5	53.0	68.6	72.6
SG32	-129.9	-118.3	-92.0	-67.4	-28.0	-22.9	2.8	-11.6	9.8	26.8	25.1
SG33	-154.0	175.9	564.8	983.0	1360.8	1752.6	2146.4	2556.8	2904.2	3271.7	3637.6
SG34	-6.2	311.2	559.0	784.7	996.1	1218.0	1461.3	1743.1	1957.3	2226.3	2469.0
SG35	-213.9	-263.2	-267.5	-262.1	-252.3	-269.6	-281.0	-345.5	-349.1	-379.1	-419.0
SG36	-157.8	-164.7	-148.4	-131.0	-96.5	-103.6	-86.0	-120.5	-106.2	-99.6	-114.9
SG37	-82.0	163.7	457.5	772.4	1058.6	1356.5	1651.5	1966.5	2227.6	2507.4	2781.9
SG38	46.3	670.0	1132.7	1546.0	1929.0	2336.4	2781.6	3312.3	3698.6	4193.9	4641.8
SG39	-173.8	-265.9	-320.5	-374.1	-408.9	-484.5	-547.9	-669.0	-726.1	-803.7	-897.4
SG40	-137.1	-167.5	-173.0	-176.7	-166.1	-188.1	-193.1	-242.8	-247.9	-263.6	-295.4
SG41	-109.7	92.1	330.3	586.1	820.1	1062.3	1305.6	1563.2	1778.2	2008.2	2237.5
SG42	10.8	251.6	428.6	583.6	729.4	882.2	1051.6	1252.6	1399.3	1588.8	1758.8
SG43-45	-8.9	518.1	937.1	1351.1	1703.2	2128.0	2549.7	3047.5	3449.6	3903.8	4343.0
SG43-H	-120.6	689.5	1350.0	1975.1	2532.0	3149.1	3801.8	4551.0	5142.0	5838.0	6488.8
SG43-L	-157.0	69.7	256.1	440.6	615.3	784.9	971.9	1158.0	1337.2	1527.6	1701.8
SG46	-124.8	-129.2	-129.3	-120.2	-85.9	#######	#######	#######	#######	#######	#######
SG47	6828.4	7733.9	527.1	730.1	919.3	1184.3	1401.8	1654.6	1841.4	2079.0	2294.9
SG48	-125.3	-130.5	-140.4	-137.4	-137.0	-139.3	-142.3	-162.6	-151.3	-161.6	-170.7
SG49	-7.2	257.7	478.5	666.3	853.2	1025.1	1228.8	1453.6	1613.9	1834.1	2020.0
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	41.0	319.8	542.6	726.8	915.8	1088.5	1288.7	1512.9	1678.9	1900.2	2086.9

Table B-14. CP1B, Load Condition A, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.58	1.19	1.79	2.36	2.95	3.54	4.11	4.73	5.32	5.91
Hoop-1	36.84	669.6	1585.0	2107.2	2791.5	3471.9	4195.9	4906.0	5600.6	6282.1	7024.3
Hoop-2	-25.93	715.9	1371.7	2107.6	2798.6	3473.5	4202.5	4870.8	5580.3	6279.3	6960.6
Hoop-3	8.13	678.6	1392.4	2127.1	2779.7	3520.3	4215.5	4906.1	5584.9	6321.3	7032.5
Hoop-4	-63.28	698.6	1440.3	2103.1	2807.6	3474.7	4197.1	4890.6	5588.7	6292.3	6995.9
Hoop-5	-17.60	641.1	1470.9	2087.2	2862.4	3444.6	4230.1	4869.1	5601.8	6299.8	7016.0
Hoop-6	1.71	672.0	1388.3	2120.5	2792.8	3490.6	4215.4	4897.1	5607.2	6298.8	7016.1
Hoop-7	65.61	715.2	1375.7	2132.7	2843.6	3466.1	4199.8	4912.7	5586.9	6259.2	7041.2

Table B-14. CP1B, Load Condition A, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.58	1.19	1.79	2.36	2.95	3.54	4.11	4.73	5.32	5.91
Hoop-8	2.61	685.0	1425.6	2100.3	2805.0	3487.7	4213.4	4903.6	5592.8	6296.4	6986.0
Hoop-9	514.23	1430.0	2252.6	2598.0	2982.1	3498.6	4211.5	4896.7	5591.6	6295.3	6843.6
Hoop-10	-42.90	805.4	1409.6	2098.9	2789.0	3475.5	4197.0	4917.5	5599.6	6304.7	7154.8
Hoop-11	331.74	860.6	1478.5	2177.8	2798.0	3590.7	4141.1	4875.8	5596.8	6228.7	7044.6
Hoop-12	-203.70	619.9	1049.1	1870.5	2711.0	3105.6	4266.0	4924.2	5535.4	6330.7	6979.1
Hoop-13	50.22	690.0	1462.1	2086.7	2712.2	3499.3	4234.3	4874.6	5528.6	6263.3	6895.6
Hoop-14	61.89	666.3	1427.4	2106.0	2778.0	3517.1	4203.3	4935.0	5591.2	6262.1	7023.2
Long-1	279.06	-4.4	-17.4	319.2	-13.9	168.0	-23.3	-25.7	-3.3	-26.9	31.0
Long-2	93.18	84.9	64.9	77.8	96.7	84.9	88.5	84.9	83.7	81.4	73.2
Long-3	70.23	105.4	501.2	-28.1	-29.3	-29.3	315.4	-28.1	-34.1	-26.8	-15.9
Long-4	-4.07	-6.5	-2.9	3.2	4.4	23.6	16.4	35.6	41.6	60.9	80.2
Long-5	-46.38	10.6	-50.0	396.6	30.8	315.9	-40.4	-40.4	-27.4	250.6	1126.3
Long-6	11.53	11.5	12.7	4.3	-1.7	-11.4	-6.5	-12.6	-12.6	-10.1	-4.1
Long-7	87.66	-25.7	-31.7	-36.5	139.0	8.9	-32.9	-37.7	-30.5	28.0	38.7
Long-8	47.17	104.1	201.4	209.6	233.4	285.6	324.7	341.4	336.6	334.2	308.2
Radial-1R	71.08	66.1	57.3	66.8	71.6	76.9	85.7	97.4	108.5	121.5	129.0
Radial-2R	551.83	602.5	538.6	850.3	423.7	311.1	541.0	671.4	170.2	719.5	275.9
Radial-3R	34.35	33.5	26.0	26.3	28.5	30.1	32.7	34.1	36.6	40.3	41.1
Radial-4R	347.74	53.5	493.0	139.9	399.0	297.5	536.1	278.6	399.0	341.8	569.1
Radial-5R	-428.33	-287.1	-442.4	-162.5	-355.0	-533.5	-402.4	-565.8	-104.2	-195.4	-197.0
Radial-6R	39.43	31.5	32.5	40.5	49.8	62.0	72.0	83.2	92.5	105.2	115.6
Radial-7R	0.71	-3.9	-3.1	0.8	3.9	9.4	17.7	24.5	29.9	38.4	35.8
Radial-8R	204.34	200.0	331.2	262.1	243.7	319.4	345.8	292.9	566.7	441.9	344.7
Radial-9R	209.86	224.0	213.2	238.7	234.6	247.2	258.6	262.6	267.7	334.1	457.7
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-130.81	-257.5	-332.2	-378.7	-431.1	-492.9	-568.6	-653.7	-751.7	-833.9	-934.2
SG02	-77.48	-180.8	-249.3	-299.3	-355.3	-415.7	-486.6	-563.0	-649.8	-722.3	-808.6
SG03	-26.53	165.2	357.9	541.2	721.7	912.2	1106.8	1292.3	1492.6	1677.9	1870.7
SG04	-27.81	202.9	381.6	528.0	664.1	819.0	971.9	1129.1	1309.1	1468.2	1661.5
SG05	-153.13	-280.8	-361.6	-401.4	-467.5	-524.8	-619.5	-710.0	-811.9	-890.2	-984.5
SG06	-109.65	-219.3	-294.5	-339.4	-405.4	-461.0	-547.8	-630.4	-721.3	-791.5	-874.0
SG07	-55.21	111.0	304.6	500.1	698.5	898.8	1111.5	1306.1	1509.0	1696.3	1881.9
SG08	20.83	224.0	370.0	477.1	585.6	694.4	813.9	932.1	1068.9	1186.9	1334.9
SG09	-141.30	-224.7	-309.8	-354.8	-443.7	-502.8	-611.4	-699.1	-790.7	-856.4	-928.8
SG10	-110.36	-192.2	-275.0	-316.2	-401.3	-454.3	-554.4	-636.4	-721.8	-781.3	-846.6
SG11	-67.72	105.3	300.6	481.4	671.6	853.6	1054.4	1234.1	1424.0	1597.0	1773.6
SG12	43.41	221.8	394.4	526.5	682.9	819.7	984.1	1130.9	1291.1	1429.3	1581.2
SG13	-113.42	-219.8	-321.9	-391.7	-496.0	-576.4	-695.8	-805.3	-916.7	-1011.0	-1118.1
SG14	-93.73	-192.8	-284.6	-356.2	-452.1	-527.5	-635.1	-733.0	-833.4	-917.0	-1008.3
SG15	-78.22	105.9	312.3	507.4	707.2	901.9	1111.7	1305.1	1508.5	1697.0	1890.7
SG16	16.63	218.5	415.2	574.1	753.4	919.7	1107.4	1280.4	1473.6	1639.2	1822.3
SG17	-1237.91	-1300.5	-1338.5	-1363.2	-1409.1	-1441.6	-1499.6	-1559.9	-1614.9	-1663.3	-1724.5
SG18	-56.28	-124.9	-179.8	-221.3	-282.7	-326.6	-393.8	-467.0	-533.9	-592.9	-660.0
SG19	-169.51	-23.5	125.5	274.5	420.6	557.9	712.3	852.8	832.9	1150.6	1450.4
SG20	11.43	198.6	373.0	515.5	671.7	825.3	988.7	1150.4	1319.8	1474.4	1647.3

Table B-14. CP1B, Load Condition A, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.58	1.19	1.79	2.36	2.95	3.54	4.11	4.73	5.32	5.91
SG21	-97.27	-199.7	-271.7	-380.2	-465.9	-556.6	-637.0	-750.3	-850.2	-946.0	-1056.7
SG22	-68.83	-145.5	-201.7	-288.5	-368.9	-452.7	-532.1	-593.5	-687.0	-766.4	-852.4
SG23	-95.06	104.7	313.1	540.5	746.1	962.0	1169.5	1378.9	1592.1	1795.4	2007.1
SG24	-2.78	200.3	385.2	567.2	729.5	910.7	1073.9	1254.8	1438.3	1608.2	1801.0
SG25-45	-285.73	29.7	444.9	989.9	1433.2	1901.9	2328.4	2719.3	3118.9	3517.7	3902.6
SG25-H	-359.27	270.6	1087.3	2059.5	2949.6	3873.7	4778.7	5609.5	6473.8	7313.0	8146.9
SG25-L	-292.52	-92.3	226.7	588.2	907.7	1252.5	1568.7	1843.8	2134.7	2415.0	2670.8
SG26-45	-177.99	266.1	636.7	1054.4	1362.1	1720.2	2029.0	2346.3	2694.2	3042.7	3446.6
SG26-H	-120.97	778.4	1562.7	2210.2	2845.3	3515.6	4200.4	4865.0	5613.1	6313.6	7141.0
SG26-L	-128.64	50.5	217.6	405.8	532.5	695.7	821.3	944.4	1084.7	1229.1	1393.8
SG31	-171.88	-183.3	-145.2	-84.8	-51.3	6.1	28.3	37.2	49.1	65.4	64.3
SG32	-127.40	-119.8	-94.2	-50.9	-41.4	-10.1	-0.3	2.0	8.6	21.7	31.4
SG33	-159.01	163.4	557.5	951.7	1348.3	1747.0	2158.2	2533.8	2925.5	3291.2	3651.7
SG34	-68.19	272.8	550.0	765.7	983.8	1208.5	1445.0	1680.4	1943.0	2185.0	2477.7
SG35	-195.16	-258.1	-262.0	-249.9	-261.7	-255.2	-281.0	-319.8	-355.4	-383.3	-434.1
SG36	-152.11	-165.2	-149.0	-112.7	-111.3	-86.8	-93.9	-107.3	-114.3	-111.9	-115.7
SG37	-82.72	156.4	450.8	749.8	1049.6	1352.0	1663.3	1948.4	2244.8	2520.9	2794.8
SG38	-82.02	590.4	1112.2	1503.2	1904.2	2312.1	2747.4	3183.3	3667.8	4112.0	4656.9
SG39	-156.68	-258.3	-320.7	-354.5	-420.0	-469.7	-554.2	-644.1	-735.3	-812.6	-908.8
SG40	-130.20	-166.3	-173.3	-162.1	-177.2	-175.1	-198.8	-228.0	-254.3	-271.7	-298.2
SG41	-113.20	82.3	321.0	563.7	808.3	1053.7	1309.4	1545.0	1788.5	2018.0	2243.8
SG42	-40.93	218.9	418.2	567.0	718.0	870.8	1035.1	1200.3	1385.4	1553.8	1762.4
SG43-45	-81.27	467.1	976.3	1314.1	1716.7	2122.6	2564.4	2976.7	3442.9	3860.8	4350.3
SG43-H	-269.85	602.1	1354.4	1915.4	2515.6	3131.7	3777.3	4408.5	5108.4	5746.6	6491.2
SG43-L	-185.05	39.0	260.4	433.3	598.5	788.1	964.9	1127.5	1318.8	1495.4	1700.0
SG46	-117.19	-136.6	-125.6	-113.0	-115.8	#######	#######	#######	#######	#######	#######
SG47	-10.28	276.5	521.7	714.6	915.1	1175.4	1403.1	1618.2	1855.9	2074.7	2335.0
SG48	-122.99	-141.7	-130.0	-137.4	-144.9	-138.9	-139.7	-157.1	-162.8	-170.2	-183.7
SG49	-58.63	234.1	458.8	662.3	839.0	1027.3	1204.6	1394.7	1598.8	1791.1	2031.6
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	-10.23	296.7	529.3	721.9	906.6	1092.0	1265.9	1454.6	1660.5	1854.3	2097.1

Table B-15. CP1B, Load Condition B, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.12	0.08	0.04	0.01	0.00	0.00	0.07	0.08	0.08	0.09	0.08
Hoop-1	0.8	-21.2	8.1	-15.7	-1.1	-1.1	-28.6	8.1	24.6	2.6	19.1
Hoop-2	-3.1	-10.1	-10.1	-18.9	0.4	60.2	9.2	-3.1	-6.6	2.2	-3.1
Hoop-3	3.4	44.9	19.6	-3.8	10.6	12.4	12.4	8.8	14.2	1.6	-11.0
Hoop-4	-15.5	-39.6	-34.1	-41.5	-11.8	-35.9	-2.5	5.0	-2.5	-9.9	-0.6
Hoop-5	-30.3	-14.0	-4.9	38.8	-23.0	0.6	11.5	49.7	-14.0	4.2	4.2
Hoop-6	-18.9	-7.9	10.5	3.2	1.3	-6.0	-2.4	32.5	16.0	5.0	-2.4
Hoop-7	11.1	0.3	-30.2	-10.5	-14.1	43.5	-17.6	-5.1	25.5	-26.6	-3.3
Hoop-8	6.6	-0.7	6.6	-0.7	6.6	35.6	-29.7	-0.7	13.8	21.1	13.8
Hoop-9	435.3	324.1	193.3	136.0	89.4	51.8	26.7	32.1	32.1	35.6	28.5

Table B-15. CP1B, Load Condition B, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.12	0.08	0.04	0.01	0.00	0.00	0.07	0.08	0.08	0.09	0.08
Hoop-10	38.6	-13.1	-39.8	-38.0	-25.6	-57.6	4.7	-0.6	-23.8	-7.7	1.2
Hoop-11	160.0	114.5	76.4	41.8	69.1	130.9	103.6	49.1	98.1	110.9	96.3
Hoop-12	-189.9	-59.1	-18.6	31.1	-11.2	20.1	-204.6	163.7	-189.9	-53.6	-167.8
Hoop-13	-21.9	29.6	36.9	44.3	44.3	0.2	44.3	73.7	66.3	88.4	59.0
Hoop-14	6.5	-0.9	-15.8	-8.4	-15.8	-38.2	-23.3	6.5	-0.9	6.5	36.4
Long-1	138.4	738.2	1092.5	1704.4	2308.8	3181.2	3798.7	4271.1	4821.3	5522.1	6227.6
Long-2	-2.0	491.7	1315.4	1735.1	2361.9	2908.4	3499.7	4176.2	4792.5	5495.3	6056.8
Long-3	128.2	537.0	1120.6	1792.9	2424.9	3003.3	3767.5	4320.8	4963.7	5569.6	6100.4
Long-4	-41.3	747.5	1351.2	1798.7	2491.2	3054.8	3719.7	4423.2	5005.1	5582.8	6187.1
Long-5	247.5	855.4	1078.8	2019.5	2304.3	2876.5	3546.1	4531.8	5006.8	5700.8	6012.6
Long-6	27.4	533.0	1311.9	1635.9	2275.0	3317.3	3879.4	4388.6	4879.7	5680.8	6270.1
Long-7	274.4	583.4	1315.0	1639.7	2550.1	2917.4	3706.0	4064.1	4768.1	5445.2	5966.1
Long-8	-10.5	504.2	1353.3	1969.0	2648.3	2931.5	3661.8	4305.8	4961.5	5685.4	6284.8
Radial-1R	49.6	50.1	49.8	53.6	57.0	64.7	63.5	65.1	70.3	74.4	77.8
Radial-2R	513.7	374.5	212.3	-36.0	-26.6	276.1	233.6	250.5	732.5	2.1	298.3
Radial-3R	28.0	30.0	35.5	39.2	43.3	65.2	64.0	70.5	82.0	90.3	108.7
Radial-4R	68.6	-161.8	377.2	188.3	-207.6	-81.9	-109.4	-51.1	223.5	-176.9	-67.3
Radial-5R	-100.4	-527.3	-358.1	-160.7	-466.4	-358.0	-167.3	-340.2	-204.5	-354.3	-167.3
Radial-6R	40.5	47.5	52.8	58.7	63.0	69.5	68.1	69.0	70.1	69.1	69.0
Radial-7R	1.2	9.3	18.8	25.8	32.6	44.8	44.0	50.1	58.7	71.3	91.7
Radial-8R	-130.5	-51.1	89.8	-2.5	157.8	292.9	-60.8	-15.5	-52.2	-55.4	46.6
Radial-9R	1111.1	1076.3	1100.9	1063.8	1130.9	1156.1	1157.2	1175.1	1043.2	1018.1	1096.7
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-25.8	109.5	298.3	431.2	608.5	766.9	932.6	1080.2	1236.4	1420.3	1571.3
SG02	-39.0	67.6	217.1	324.8	470.9	600.9	741.1	863.5	994.6	1149.2	1275.2
SG03	-31.2	-80.7	-146.3	-194.2	-257.4	-309.2	-385.7	-446.7	-506.7	-582.4	-640.7
SG04	18.0	-62.6	-184.3	-265.4	-367.8	-466.2	-553.8	-628.0	-717.8	-816.8	-907.0
SG04	17.7	151.0	325.5	461.9	633.8	812.4	981.5	1136.4	1298.6	1490.6	1644.9
SG05	-23.2	124.5	314.8	463.7	648.2	842.1	1022.8	1190.5	1363.2	1568.3	1733.3
SG07	-158.0	-191.9	-227.6	-262.0	-307.1	-335.7	-409.4	-463.5	-510.4	-572.6	-617.0
SG08	-192.8	-283.1	-415.8	-510.8	-620.7	-761.4	-853.7	-941.4	-1047.6	-1167.6	-1271.9
SG09	-3.5	118.2	254.7	383.3	532.6	704.9	856.3	1006.8	1154.8	1329.8	1469.6
SG10	-7.6	116.4	254.0	385.1	534.5	709.3	862.2	1014.8	1163.8	1340.9	1481.3
SG11	-57.3	-96.5	-135.1	-178.4	-228.6	-283.3	-348.3	-404.0	-460.6	-526.0	-579.4
SG12	9.1	-68.8	-160.4	-245.6	-330.1	-449.5	-531.0	-618.4	-707.5	-810.6	-895.3
SG13	14.4	132.7	268.3	395.2	539.3	699.2	846.6	987.0	1133.2	1294.4	1431.2
SG14	-3.8	109.8	243.1	360.3	496.0	642.3	781.7	913.7	1049.1	1202.9	1328.7
SG15	-66.2	-106.7	-148.6	-192.2	-240.0	-288.0	-353.4	-406.5	-460.4	-520.8	-571.8
SG16	5.8	-69.0	-156.3	-240.1	-322.4	-431.3	-510.6	-593.2	-674.8	-772.1	-855.3
SG17	-82.9	32.1	170.2	294.0	432.6	585.4	722.9	857.3	997.4	1147.5	1278.4
SG18	43.9	154.2	279.7	400.7	528.8	673.9	806.8	937.4	1069.0	1211.7	1336.1
SG19	-159.5	-193.9	-408.7	-274.0	-305.6	-345.7	-403.0	-445.9	-488.8	-534.7	-583.3
SG20	-33.6	-101.6	-177.9	-256.2	-328.7	-429.6	-502.8	-581.5	-665.3	-750.3	-830.1
SG21	24.6	161.1	323.2	468.3	628.6	794.5	961.3	1120.1	1282.3	1449.5	1602.1
SG22	2.7	112.9	258.2	378.5	523.8	685.1	810.8	947.8	1091.4	1246.4	1380.4

Table B-15. CP1B, Load Condition B, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.12	0.08	0.04	0.01	0.00	0.00	0.07	0.08	0.08	0.09	0.08
SG23	-87.1	-143.4	-211.1	-270.2	-335.1	-398.3	-482.8	-554.4	-626.1	-701.1	-769.9
SG24	-22.1	-101.6	-192.3	-283.2	-371.5	-478.0	-569.0	-656.9	-750.7	-844.0	-933.5
SG25-45	178.6	251.6	298.0	380.8	437.6	582.8	606.7	677.0	735.3	807.8	879.8
SG25-H	-127.9	-95.8	-76.8	-38.0	-18.5	99.6	37.1	43.3	54.0	64.3	85.9
SG25-L	203.5	336.5	510.0	650.5	814.3	1019.9	1138.5	1274.0	1434.9	1602.8	1753.6
SG26-45	-282.4	-318.2	-452.3	-488.6	-564.9	-624.6	-647.4	-652.2	-728.8	-775.4	-825.3
SG26-H	-411.4	-595.8	-874.2	-1094.7	-1302.0	-1622.9	-1783.2	-1943.4	-2184.3	-2430.3	-2672.4
SG26-L	-3.6	61.6	98.4	167.3	230.2	298.5	381.7	472.3	529.9	613.2	679.0
SG31	48.6	152.1	281.0	392.7	520.6	669.0	788.1	907.1	1038.1	1179.7	1303.6
SG32	88.9	192.2	306.5	415.0	534.0	657.9	777.5	893.1	1006.7	1136.3	1246.4
SG33	-70.0	-81.3	-71.4	-84.4	-89.8	-75.3	-136.6	-172.0	-186.5	-215.3	-236.1
SG34	-259.0	-353.7	-493.6	-602.6	-715.3	-880.3	-972.0	-1063.9	-1189.4	-1317.2	-1435.3
SG35	61.8	204.0	383.7	533.4	709.4	900.2	1066.1	1224.6	1400.8	1590.9	1755.7
SG36	78.7	213.4	368.4	510.2	668.0	834.3	990.3	1138.8	1289.4	1459.5	1603.5
SG37	8.6	-4.2	-4.0	-16.7	-29.1	-20.8	-77.1	-110.0	-127.8	-158.2	-181.0
SG38	308.7	72.7	-266.9	-530.2	-808.9	-1194.9	-1422.5	-1652.3	-1954.7	-2265.3	-2549.7
SG39	155.7	288.5	444.4	582.1	739.9	913.2	1070.7	1220.7	1378.6	1554.9	1705.5
SG40	59.7	180.5	322.1	447.2	587.3	733.8	869.1	998.2	1131.7	1281.5	1408.7
SG41	-57.7	-70.4	-75.3	-91.5	-108.8	-107.8	-160.3	-193.5	-214.0	-245.6	-272.2
SG42	113.8	28.0	-100.9	-198.2	-304.1	-451.4	-538.4	-625.4	-740.8	-859.2	-967.5
SG43-45	719.1	644.1	580.1	463.1	413.2	204.1	184.7	32.1	-59.2	-205.1	-254.6
SG43-H	-1264.0	-1480.0	-1753.5	-2011.8	-2238.1	-2605.8	-2798.1	-3000.6	-3260.1	-3526.7	-3781.2
SG43-L	-371.9	-198.7	-103.3	-34.5	42.4	76.5	139.2	205.0	270.2	341.0	393.4
SG46	1540.6	1341.9	1403.1	1358.9	1453.0	1493.7	1599.8	1677.6	1770.9	1883.6	1983.1
SG47	40746.7	41307.1	43143.9	44293.6	44713.3	44941.3	44883.5	45900.8	43141.1	41474.3	40423.8
SG48	83.0	187.5	317.7	427.8	554.4	679.3	799.3	911.8	1033.9	1162.5	1276.7
SG49	1443.9	1315.8	1115.0	916.1	699.2	481.1	337.6	208.8	10.2	-177.0	-369.5
SG50	64.0	192.1	342.3	471.9	618.5	773.6	912.2	1042.6	1188.2	1339.4	1474.5
SG51	136.7	48.8	-100.2	-211.6	-333.8	-493.7	-581.6	-669.7	-800.4	-925.1	-1042.8

Table B-16. CP1B, Load Condition B, Run 2

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.06	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03
Hoop-1	-21.2	-6.6	-32.2	31.9	55.8	-21.2	6.3	-1.1	-8.4	-15.7	13.6
Hoop-2	-34.7	86.5	118.1	-45.2	-40.0	-22.4	3.9	12.7	-24.2	28.5	-13.6
Hoop-3	-5.6	7.0	16.0	-0.2	-3.8	19.6	-7.4	-11.0	10.6	-7.4	-3.8
Hoop-4	8.7	-21.1	-21.0	-17.3	32.8	-26.6	-22.9	-0.6	1.2	-2.5	3.1
Hoop-5	51.5	77.0	-34.0	17.0	18.8	-37.6	87.9	69.7	15.1	33.3	26.0
Hoop-6	-6.0	5.0	-17.0	-7.9	-17.0	-18.9	-2.4	12.3	-13.4	-2.4	-2.4
Hoop-7	29.1	0.3	-8.7	-1.5	-12.3	20.1	2.1	-1.5	12.9	-6.9	11.1
Hoop-8	-8.0	6.6	6.6	-0.7	13.8	-8.0	-0.7	-0.7	-8.0	-0.7	28.3
Hoop-9	15.9	48.2	101.9	144.9	162.9	187.9	182.6	161.0	89.4	85.8	69.7
Hoop-10	31.5	15.4	-48.7	1.2	-2.4	-2.4	1.2	6.5	6.5	4.7	-0.6
Hoop-11	134.5	20.0	-7.2	-14.5	-1.8	1.9	3.7	12.7	-1.8	23.7	38.2

Table B-16. CP1B, Load Condition B, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.06	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03
Hoop-12	-201.0	108.5	82.7	69.8	-24.1	-145.7	-46.2	56.9	40.3	-5.7	-77.6
Hoop-13	-51.3	-21.9	22.2	36.9	88.4	88.4	125.2	110.4	95.8	103.1	117.8
Hoop-14	-45.7	6.5	6.5	21.5	-8.4	-0.9	14.0	-8.4	6.5	-0.9	21.5
Long-1	45.0	533.9	1332.2	1930.8	2370.7	3064.3	3585.4	4405.8	5007.4	5605.4	6016.3
Long-2	157.0	478.7	1124.5	1707.7	2350.6	3164.1	3669.9	4241.1	4915.7	5510.0	6181.7
Long-3	-161.8	632.8	1263.8	1858.1	2475.1	2948.7	3652.7	4325.7	4877.1	5523.0	6159.9
Long-4	-5.2	757.1	1194.9	1942.6	2634.8	3076.5	3621.5	4181.5	4894.0	5406.7	6096.9
Long-5	59.8	596.5	1308.0	1832.7	2251.4	2941.8	3766.3	4330.0	4836.5	5536.4	5985.3
Long-6	-120.7	826.7	1452.8	2012.4	2544.0	3158.4	3590.9	4332.1	5127.2	5586.3	6237.6
Long-7	110.8	496.3	1036.9	1648.9	2635.3	3004.5	3634.9	4240.7	4820.1	5627.2	6042.5
Long-8	12.1	710.5	1042.6	1703.0	2514.8	3033.4	3751.2	4220.5	4750.0	5429.9	6187.7
Radial-1R	46.3	46.7	48.1	50.5	52.5	57.6	60.9	64.2	70.1	75.5	77.9
Radial-2R	592.3	219.2	588.0	449.0	177.6	231.3	454.1	187.7	93.2	529.5	279.2
Radial-3R	25.4	27.0	30.0	34.2	36.0	43.0	54.0	64.4	77.5	91.6	109.8
Radial-4R	91.3	129.1	-461.1	253.7	-6.9	141.5	273.1	14.7	336.8	58.4	-32.8
Radial-5R	-547.3	-82.7	-220.0	-296.1	-146.8	-99.9	-160.8	-4.0	-303.1	-220.1	-713.2
Radial-6R	47.7	45.6	45.1	44.8	44.5	47.5	51.3	52.5	58.9	62.2	64.8
Radial-7R	1.0	3.1	8.8	13.7	19.1	25.5	34.7	40.4	61.3	76.7	94.7
Radial-8R	-297.9	-195.9	127.1	-71.1	53.6	-179.6	106.6	191.8	-241.8	70.9	128.2
Radial-9R	1114.1	1078.7	933.8	1309.4	1128.9	1095.3	1178.2	1167.7	1129.0	1166.8	1208.8
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	9.0	152.2	284.0	429.7	608.4	743.6	904.4	1060.6	1236.1	1404.9	1562.1
SG02	-30.4	87.7	196.8	317.6	466.3	579.9	713.4	843.8	989.0	1132.3	1262.9
SG03	-31.7	-89.7	-139.6	-195.3	-263.6	-316.5	-378.3	-440.6	-506.1	-572.2	-634.3
SG04	-59.5	-121.6	-192.4	-268.7	-366.2	-444.6	-538.5	-622.9	-732.8	-830.2	-913.8
SG04	26.2	175.2	322.2	470.4	643.0	791.4	952.3	1119.7	1307.6	1481.5	1643.3
SG05	-7.4	156.0	316.1	476.4	662.7	822.9	996.1	1175.7	1377.3	1562.6	1734.8
SG07	-135.4	-189.0	-230.8	-276.2	-329.4	-371.4	-417.7	-467.4	-507.6	-559.7	-608.9
SG08	-248.3	-326.5	-421.3	-508.5	-610.9	-710.8	-815.2	-922.9	-1068.8	-1180.3	-1282.2
SG09	-13.2	129.7	278.5	412.2	558.3	703.3	843.4	1000.4	1171.7	1325.6	1477.1
SG10	-23.4	120.2	269.8	405.4	552.4	699.5	843.7	1001.7	1174.1	1329.4	1482.3
SG11	-47.4	-95.5	-148.7	-196.2	-248.3	-301.6	-350.9	-408.5	-467.2	-524.3	-582.2
SG12	-14.5	-93.8	-184.7	-258.5	-336.9	-429.2	-514.7	-608.9	-727.0	-816.0	-908.2
SG13	15.2	148.0	286.7	420.5	564.2	703.8	837.4	983.8	1140.4	1287.5	1432.8
SG14	-7.5	119.5	248.6	373.9	509.9	637.4	765.8	902.5	1052.7	1190.3	1327.2
SG15	-61.9	-108.1	-158.9	-207.5	-259.1	-309.9	-357.2	-411.0	-463.8	-518.2	-571.9
SG16	-19.0	-92.9	-179.6	-256.3	-334.6	-422.4	-501.2	-590.1	-690.2	-777.2	-866.2
SG17	-82.4	44.7	173.2	308.8	448.5	579.2	712.4	849.3	992.1	1132.8	1271.6
SG18	62.3	179.9	303.7	431.2	559.3	685.5	810.3	940.7	1074.0	1206.7	1336.0
SG19	-159.5	-193.9	-239.7	-285.5	-325.7	-371.5	-574.8	-626.3	-491.7	-537.6	-583.3
SG20	-32.5	-100.1	-176.1	-255.5	-329.5	-412.2	-488.5	-571.0	-661.9	-746.0	-830.4
SG21	36.5	178.5	329.0	495.3	661.2	806.4	963.1	1119.2	1287.2	1445.0	1608.1
SG22	-14.8	117.3	267.6	388.7	531.9	650.1	797.5	928.8	1070.5	1221.0	1368.9
SG23	-85.0	-144.5	-210.4	-282.9	-355.6	-418.9	-487.6	-556.7	-628.2	-697.9	-770.6
SG24	-60.7	-133.9	-212.6	-306.0	-396.1	-478.6	-570.4	-658.4	-759.0	-852.0	-945.7

Table B-16. CP1B, Load Condition B, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.06	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.03
SG25-45	204.5	242.7	318.1	377.4	419.3	508.7	572.2	650.8	739.6	814.5	871.8
SG25-H	-104.0	-116.6	-89.6	-80.7	-85.1	-44.9	-25.8	-1.0	52.1	75.0	83.8
SG25-L	194.3	326.9	477.9	625.0	787.3	939.0	1092.8	1246.5	1433.5	1597.9	1751.5
SG26-45	-263.5	-293.5	-336.1	-386.2	-473.1	-504.5	-569.8	-609.8	-718.9	-779.5	-846.2
SG26-H	-565.6	-678.3	-885.4	-1065.5	-1256.1	-1476.3	-1685.4	-1897.3	-2219.0	-2464.0	-2691.2
SG26-L	39.1	115.6	177.8	243.7	302.2	369.7	428.1	500.8	545.0	611.8	671.6
SG31	28.8	141.1	263.4	385.0	517.0	638.8	763.4	891.2	1035.5	1170.7	1298.7
SG32	148.3	255.6	362.0	469.8	583.8	690.5	797.9	911.0	1025.0	1140.3	1250.5
SG33	-58.3	-84.0	-98.6	-120.5	-135.8	-153.6	-168.2	-190.8	-191.0	-211.1	-233.4
SG34	-256.5	-331.4	-445.4	-549.1	-662.5	-783.5	-899.8	-1020.2	-1185.0	-1313.6	-1431.5
SG35	67.4	220.6	383.6	544.8	723.9	883.0	1048.3	1216.5	1407.6	1585.8	1756.6
SG36	146.3	286.0	426.2	569.0	721.0	862.3	1004.6	1154.0	1308.6	1461.6	1607.8
SG37	39.3	10.4	-7.4	-33.2	-54.6	-73.7	-92.6	-115.6	-124.5	-148.6	-172.6
SG38	292.6	100.8	-172.1	-425.2	-703.6	-992.0	-1274.1	-1564.0	-1951.3	-2262.1	-2546.7
SG39	159.5	301.1	450.6	598.3	758.2	906.8	1057.5	1213.8	1385.6	1548.7	1704.2
SG40	126.1	247.1	369.9	493.3	628.3	751.3	876.9	1007.5	1146.3	1281.5	1409.5
SG41	-25.5	-56.1	-77.0	-104.1	-128.5	-151.4	-172.3	-199.0	-214.2	-240.9	-266.6
SG42	127.5	52.5	-52.7	-149.7	-258.2	-368.5	-477.5	-589.2	-739.5	-858.5	-968.4
SG43-45	789.0	676.8	608.4	443.4	318.0	357.3	182.2	125.9	-13.7	-154.5	-278.1
SG43-H	-1387.6	-1526.9	-1774.4	-1991.1	-2206.2	-2468.7	-2688.3	-2940.8	-3272.2	-3536.9	-3776.5
SG43-L	-192.6	-131.2	-88.9	-30.0	43.2	68.0	37.9	223.6	51.3	-200.6	-155.9
SG46	773.8	864.8	968.9	1085.9	1211.9	1340.7	1640.9	1727.5	1832.7	1948.3	2044.7
SG47	40236.9	39186.2	39825.7	39274.1	40226.8	37969.5	35266.2	35962.4	36593.2	36530.1	36191.7
SG48	115.9	226.5	336.1	454.9	582.7	690.3	804.2	919.1	1040.8	1160.6	1279.7
SG49	1023.7	884.1	732.3	574.8	400.9	1147.8	1034.2	824.0	571.3	395.7	223.0
SG50	110.2	232.6	362.1	498.5	644.5	774.3	908.0	1043.3	1190.0	1331.3	1470.3
SG51	121.2	41.2	-70.8	-179.4	-302.7	-419.2	-536.5	-650.7	-809.3	-936.7	-1057.8

Table B-17. CP1B, Load Condition B, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.02	0.02	0.03	0.02	0.02	0.03	0.06	0.07	0.08	0.08	0.08
Hoop-1	-8.4	-6.6	-4.7	-37.7	17.3	-34.1	-26.7	-2.9	6.3	13.6	9.9
Hoop-2	-34.7	-4.8	-11.9	-25.9	-13.6	-20.6	97.1	-3.1	-6.6	5.7	-3.1
Hoop-3	-2.0	21.4	3.4	10.6	-2.0	5.2	-11.0	21.4	-9.2	-14.6	1.6
Hoop-4	-0.6	40.2	19.8	34.7	-9.9	-6.2	14.2	6.8	-0.6	1.2	-0.6
Hoop-5	24.2	64.2	-1.2	57.0	-4.9	47.9	-10.3	-28.5	17.0	2.4	42.4
Hoop-6	-20.7	-6.0	-15.2	-94.1	-6.0	-17.0	-48.2	-7.9	1.3	19.7	-2.4
Hoop-7	-12.3	36.3	-12.3	-14.1	-6.9	-28.4	-12.3	-5.1	3.9	-5.1	-5.1
Hoop-8	35.6	21.1	-15.2	-15.2	-15.2	13.8	42.8	13.8	-8.0	21.1	6.6
Hoop-9	-18.1	24.9	75.1	-14.5	103.7	80.5	7.0	-0.2	42.8	71.5	85.8
Hoop-10	-30.9	26.1	-2.4	33.2	-29.1	-16.7	6.5	-0.6	1.2	1.2	8.3
Hoop-11	36.4	-1.8	-1.8	-12.7	1.9	47.3	-20.0	29.1	10.9	32.7	56.4
Hoop-12	-223.1	-49.9	-103.3	-29.7	-38.9	-134.7	-11.2	-230.4	-66.5	-274.7	-173.3
Hoop-13	0.2	0.2	36.9	44.3	44.3	81.1	44.3	29.6	44.3	36.9	29.6

Table B-17. CP1B, Load Condition B, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.02	0.02	0.03	0.02	0.02	0.03	0.06	0.07	0.08	0.08	0.08
Hoop-14	6.5	14.0	21.5	21.5	73.7	-15.8	-15.8	6.5	14.0	6.5	14.0
Long-1	-120.3	652.1	1331.2	1791.6	2362.0	2990.5	3760.9	4251.9	4785.0	5620.7	6006.3
Long-2	74.6	643.8	1191.8	1944.7	2333.6	3145.8	3703.6	4162.9	4795.1	5389.7	6149.3
Long-3	-96.3	488.6	1300.3	1857.1	2456.4	2965.1	3610.9	4262.2	4909.4	5514.4	6108.3
Long-4	122.2	692.3	1122.8	1745.6	2568.1	3030.2	3618.6	4300.2	4927.2	5637.5	6184.1
Long-5	192.8	608.5	1436.4	1873.3	2585.8	2909.1	3578.1	4371.2	4837.2	5587.4	5993.0
Long-6	-32.8	464.5	1225.4	1917.5	2419.5	2961.5	3490.4	4337.7	5005.2	5660.9	6249.0
Long-7	124.0	492.8	1293.6	1696.8	2642.0	3011.0	3712.0	4327.4	4783.8	5529.3	6151.6
Long-8	190.0	574.2	1281.1	1757.7	2207.2	3003.2	3997.5	4451.3	4785.1	5625.5	6191.8
Radial-1R	53.0	50.1	49.4	48.8	52.6	59.6	65.9	75.7	80.4	86.0	90.5
Radial-2R	346.6	224.4	642.5	276.9	201.6	249.1	239.9	448.6	374.4	198.4	436.3
Radial-3R	25.5	27.2	31.6	33.1	41.1	46.7	70.0	87.6	109.5	125.5	142.3
Radial-4R	-55.0	158.7	-178.5	-180.6	258.6	0.6	-2.6	-131.6	-146.7	81.6	172.2
Radial-5R	-384.6	-285.3	-60.5	-336.5	-449.7	-264.3	-528.9	-337.1	14.9	-179.7	-150.6
Radial-6R	37.7	40.8	39.3	44.1	44.1	53.1	62.5	65.2	68.4	69.7	73.0
Radial-7R	2.9	5.6	11.6	17.6	22.3	35.0	55.8	68.1	84.5	107.3	131.1
Radial-8R	120.6	-29.0	7.2	254.5	66.1	156.2	-148.3	115.2	182.1	260.5	285.8
Radial-9R	1096.7	1160.5	1120.2	1165.1	1165.6	1181.0	1391.8	1341.4	1273.3	1320.8	1370.0
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	40.3	137.3	309.6	442.1	598.6	746.2	943.4	1102.4	1235.4	1420.6	1574.9
SG02	-11.4	70.0	213.8	322.2	453.3	575.1	740.0	873.2	985.2	1140.7	1269.7
SG03	-44.1	-77.7	-145.2	-199.6	-254.8	-304.1	-371.0	-430.9	-480.7	-553.5	-613.6
SG04	-84.3	-133.0	-218.9	-291.9	-377.7	-478.1	-602.0	-687.6	-759.1	-855.3	-941.3
SG04	51.9	159.5	338.5	478.8	646.3	789.9	984.2	1161.6	1312.0	1503.6	1664.2
SG05	27.6	141.9	336.0	489.0	668.0	820.2	1027.8	1217.7	1376.3	1580.4	1751.6
SG07	-145.0	-174.7	-231.4	-274.8	-318.4	-337.6	-373.7	-418.3	-457.9	-518.8	-566.0
SG08	-265.7	-330.1	-432.9	-523.2	-631.2	-749.5	-889.2	-1011.8	-1112.4	-1227.2	-1332.0
SG09	14.8	119.8	286.1	419.3	571.1	685.3	851.1	1019.6	1164.1	1336.7	1483.6
SG10	0.0	107.7	275.6	410.1	564.8	683.2	853.8	1024.8	1172.8	1346.8	1495.5
SG11	-57.5	-92.4	-150.3	-199.2	-251.0	-282.0	-335.6	-393.5	-445.3	-510.0	-565.8
SG12	-36.9	-95.7	-189.6	-270.8	-361.1	-444.4	-551.1	-657.8	-746.5	-844.1	-931.7
SG13	37.9	140.6	295.6	419.8	572.4	680.5	841.7	996.3	1134.2	1298.6	1440.3
SG14	10.6	108.5	254.7	374.1	516.0	624.5	775.6	920.7	1049.5	1205.1	1336.8
SG15	-69.3	-105.5	-160.1	-208.1	-259.1	-289.0	-337.9	-389.4	-438.1	-498.8	-550.9
SG16	-38.9	-94.9	-186.7	-263.9	-355.0	-426.6	-526.1	-617.7	-703.4	-797.4	-883.0
SG17	-73.8	30.2	175.0	293.1	445.4	556.7	711.7	854.6	990.3	1146.3	1281.2
SG18	72.7	175.1	311.2	425.3	563.7	669.3	810.5	944.8	1074.0	1219.5	1344.9
SG19	-162.4	-193.9	-242.5	-274.0	-328.5	-354.3	-400.1	-434.5	-486.1	-531.8	-580.5
SG20	-38.7	-94.7	-180.3	-251.3	-344.0	-410.0	-504.1	-596.8	-684.4	-772.7	-856.6
SG21	51.9	185.2	343.4	492.2	659.6	804.2	969.3	1129.2	1291.2	1464.2	1620.4
SG22	-5.3	118.0	250.8	364.7	538.4	659.6	801.9	945.0	1089.0	1247.8	1374.8
SG23	-86.9	-145.5	-211.8	-281.2	-350.4	-410.2	-474.9	-539.8	-610.0	-687.0	-756.2
SG24	-81.1	-144.8	-231.1	-313.1	-410.0	-495.5	-594.8	-694.3	-790.2	-884.4	-974.3
SG25-45	206.9	253.1	332.9	390.3	460.8	527.7	638.5	734.8	821.2	884.4	952.9
SG25-H	-112.5	-99.7	-78.3	-71.9	-36.3	25.3	111.2	168.6	212.6	219.5	242.8

Table B-17. CP1B, Load Condition B, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.02	0.02	0.03	0.02	0.02	0.03	0.06	0.07	0.08	0.08	0.08
SG25-L	215.3	327.9	498.4	627.0	803.6	966.0	1179.4	1353.6	1503.8	1681.6	1834.2
SG26-45	-273.8	-302.3	-341.9	-389.4	-473.7	-594.2	-700.0	-767.7	-813.3	-881.7	-948.9
SG26-H	-590.4	-720.7	-922.3	-1112.4	-1330.3	-1594.6	-1901.9	-2166.9	-2401.0	-2649.8	-2892.4
SG26-L	51.1	102.9	183.8	239.2	297.7	315.7	371.2	429.6	488.9	561.5	614.0
SG31	47.4	137.6	278.2	387.3	523.3	636.4	792.8	928.6	1048.5	1197.4	1322.4
SG32	170.1	251.8	375.7	471.3	584.1	670.3	793.8	905.5	1007.3	1132.2	1235.0
SG33	-67.5	-76.1	-98.8	-123.7	-127.9	-102.6	-89.4	-96.9	-112.4	-137.3	-156.9
SG34	-261.1	-337.4	-455.7	-561.1	-687.6	-827.7	-994.5	-1138.1	-1261.1	-1395.5	-1521.8
SG35	100.6	219.5	405.0	550.1	730.2	880.2	1084.3	1262.5	1419.3	1618.3	1784.7
SG36	173.1	280.0	443.7	570.9	722.6	841.6	1008.8	1159.7	1295.2	1462.4	1600.7
SG37	37.2	24.7	0.1	-27.2	-40.9	-27.2	-26.1	-38.6	-56.3	-85.9	-108.0
SG38	269.1	83.3	-206.3	-458.3	-763.9	-1092.5	-1488.0	-1824.9	-2114.2	-2437.9	-2737.2
SG39	188.7	296.1	467.8	601.3	761.0	887.9	1068.6	1232.1	1376.5	1557.5	1709.2
SG40	146.7	239.5	381.6	493.2	626.4	734.7	883.8	1016.5	1134.9	1281.9	1403.7
SG41	-30.6	-46.6	-76.2	-105.9	-124.5	-120.6	-129.1	-146.0	-169.0	-201.4	-226.6
SG42	117.1	44.7	-66.9	-164.7	-283.6	-411.5	-564.7	-695.4	-807.1	-932.4	-1048.7
SG43-45	684.5	607.4	507.6	396.5	279.8	143.8	-5.9	-190.6	-350.4	-520.3	-690.3
SG43-H	-1400.2	-1557.4	-1796.4	-2012.6	-2263.1	-2538.6	-2873.9	-3168.0	-3432.9	-3701.1	-3967.3
SG43-L	-251.5	-167.6	-98.9	-48.7	-6.2	14.4	67.6	115.5	175.8	250.0	309.0
SG46	832.2	903.1	1008.8	1102.4	1229.2	1317.9	1443.0	1552.5	1661.2	1791.6	1893.3
SG47	37363.5	37168.1	36801.5	36874.0	37448.9	36895.2	36593.2	36863.2	36371.1	36000.8	35675.6
SG48	131.0	222.1	346.1	445.7	572.8	677.3	808.4	922.8	1030.3	1163.1	1274.2
SG49	1569.7	1533.6	1454.2	1362.2	1090.1	908.1	722.6	522.8	359.8	206.1	79.2
SG50	118.5	224.5	368.6	486.5	634.2	761.9	920.4	1058.2	1187.4	1342.3	1473.4
SG51	101.9	21.1	-93.7	-193.9	-328.6	-476.7	-644.8	-783.6	-904.8	-1039.6	-1167.5

Table B-18. CP1B, Load Condition C, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	0.59	1.17	1.76	2.38	2.95	3.55	4.14	4.71	5.30	5.89
Hoop-1	-7.2	733.8	1423.3	2129.6	2828.4	3512.9	4178.4	4886.8	5571.0	6279.1	7027.9
Hoop-2	121.7	608.6	1385.4	2044.8	2781.3	3476.0	4201.6	4905.2	5610.1	6258.7	6960.6
Hoop-3	-4.5	676.7	1428.1	2096.9	2807.0	3504.8	4207.3	4894.5	5610.0	6302.1	6987.5
Hoop-4	-7.5	696.7	1345.2	2057.1	2830.2	3471.7	4207.2	4899.0	5599.7	6300.3	6994.1
Hoop-5	-14.0	712.0	1461.5	2022.1	2851.8	3476.2	4196.4	4877.4	5565.2	6300.3	6999.6
Hoop-6	-18.5	703.1	1393.6	2084.2	2793.1	3507.8	4214.5	4909.1	5601.5	6260.8	6977.6
Hoop-7	8.0	688.1	1456.4	2124.1	2784.5	3475.8	4188.1	4917.3	5588.5	6290.3	6960.2
Hoop-8	38.9	714.1	1396.4	2108.0	2819.8	3502.6	4199.7	4938.9	5600.6	6281.9	7052.7
Hoop-9	410.2	1281.2	1686.1	2114.6	2772.7	3556.3	4187.3	4806.1	5576.0	6280.9	6972.3
Hoop-10	30.2	664.6	1395.2	2060.1	2858.8	3447.4	4139.0	4834.5	5669.7	6217.4	7029.6
Hoop-11	186.3	764.3	1469.3	2072.8	2892.8	3585.6	4074.6	4883.9	5213.9	6241.4	7067.8
Hoop-12	63.5	419.0	1297.7	2108.5	2484.6	3286.5	4220.8	4753.7	5624.4	6249.6	6892.1
Hoop-13	35.5	741.4	1395.8	2087.1	2955.1	3610.0	4213.1	4917.7	5646.8	6278.0	6551.3
Hoop-14	2.2	740.9	1397.4	2196.0	2785.8	3517.5	4204.1	4904.2	5621.6	6299.4	7047.0
Long-1	0.3	674.7	1182.7	1812.3	2333.5	3033.8	3806.7	4408.0	4863.5	5347.3	6238.5

Table B-18. CP1B, Load Condition C, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	0.59	1.17	1.76	2.38	2.95	3.55	4.14	4.71	5.30	5.89
Long-2	67.2	498.6	1089.2	1948.5	2507.5	2964.6	3890.4	4404.3	5049.9	5457.2	6201.5
Long-3	59.3	468.3	1234.1	1789.9	2383.6	3172.2	3709.0	4334.1	4924.7	5520.0	6100.7
Long-4	154.7	692.3	1167.5	1871.2	2288.8	3175.1	3708.4	4359.2	4912.1	5393.9	6212.4
Long-5	-33.3	334.9	1040.6	1848.4	2340.4	3104.0	3682.9	4069.0	4984.5	5690.8	6227.1
Long-6	-17.4	690.6	1111.0	1993.7	2310.6	2970.3	3725.8	4203.9	4758.6	5522.8	6250.7
Long-7	41.1	458.9	1366.1	1957.0	2586.4	2940.6	3547.4	4295.9	4912.7	5612.8	6141.0
Long-8	168.2	685.3	1149.2	1947.5	2304.8	3049.6	3946.8	4254.0	4763.7	5474.9	6250.1
Radial-1R	116.6	102.4	89.5	71.8	74.1	68.7	72.0	79.3	83.9	93.8	108.5
Radial-2R	460.2	762.9	739.6	833.8	667.8	668.4	644.9	723.3	738.4	476.5	744.0
Radial-3R	57.9	45.9	41.9	37.1	36.7	35.7	38.1	40.2	47.1	51.8	64.2
Radial-4R	282.4	234.4	146.9	766.7	622.6	480.6	-153.8	311.1	207.4	307.2	223.0
Radial-5R	-220.2	-495.7	-26.6	-369.1	-515.2	-413.9	-501.2	-361.0	-238.0	-323.7	-256.3
Radial-6R	59.1	63.3	62.5	65.5	74.0	70.5	68.1	76.1	86.3	96.7	109.6
Radial-7R	11.1	10.4	15.8	16.5	16.0	13.1	15.7	21.8	29.5	42.3	63.4
Radial-8R	238.9	213.0	46.1	211.9	340.5	324.8	260.0	-87.8	8.3	376.6	217.3
Radial-9R	127.3	121.5	99.4	84.0	70.9	83.0	103.6	109.4	115.4	124.8	216.7
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-1.4	7.8	70.2	163.7	191.0	251.2	344.6	395.9	457.1	541.3	628.3
SG02	-6.3	3.9	52.6	125.3	155.0	214.7	295.3	337.1	388.0	454.4	523.9
SG03	38.5	172.1	267.6	347.8	482.1	600.7	713.0	843.8	965.8	1079.3	1194.2
SG04	-163.7	-20.7	88.0	186.5	310.4	447.8	542.5	649.1	749.7	838.5	924.2
SG05	33.1	44.7	107.3	202.5	236.6	305.3	404.1	466.9	552.1	645.0	736.8
SG06	21.1	39.9	99.9	186.6	235.3	321.1	419.1	479.0	557.0	642.9	729.6
SG07	110.1	222.9	307.2	376.6	504.0	618.9	739.4	872.4	993.8	1114.7	1240.1
SG08	-228.4	-100.3	1.6	88.0	195.7	300.5	358.9	422.6	470.4	516.4	558.2
SG09	3.8	23.5	74.6	149.3	170.5	225.8	291.9	337.1	405.3	468.3	536.2
SG10	10.0	39.4	96.5	175.8	216.8	288.6	364.7	417.6	491.0	562.9	639.6
SG11	-3.0	119.5	221.5	316.3	452.8	574.3	698.7	828.8	946.6	1069.6	1190.5
SG12	-118.2	19.6	131.4	221.7	335.8	440.8	533.4	627.3	697.5	777.0	846.9
SG13	0.0	12.6	45.7	97.8	96.2	132.2	173.4	198.2	235.9	272.3	318.4
SG14	-3.1	2.8	33.7	84.6	106.0	153.6	200.3	227.3	268.2	307.9	353.8
SG15	7.6	134.3	242.4	344.4	493.2	623.9	760.3	902.2	1035.9	1174.1	1310.8
SG16	-126.9	23.0	152.7	269.9	413.6	542.5	662.0	778.8	879.2	988.0	1087.3
SG17	-43.5	18.4	89.2	190.2	0.2	241.0	422.9	476.8	75.1	69.0	141.5
SG18	-1.9	46.7	104.6	177.0	231.4	313.0	390.3	448.5	510.3	573.3	649.5
SG19	-60.7	31.0	108.3	2.3	111.2	391.9	475.0	580.9	675.6	772.9	867.6
SG20	-126.7	-6.7	103.4	208.3	336.6	454.7	564.0	666.7	761.6	854.6	936.4
SG21	1.7	37.6	77.4	134.3	167.4	227.2	286.4	335.3	377.3	414.0	482.3
SG22	-6.8	26.8	72.0	122.4	171.3	246.5	323.1	361.1	418.1	452.3	513.7
SG23	-6.3	123.7	237.6	337.8	479.1	606.6	741.5	878.4	1016.0	1159.6	1289.7
SG24	-124.9	0.3	127.0	250.7	391.2	525.7	648.1	761.7	876.4	988.9	1085.2
SG25-45	203.5	596.5	960.4	1295.9	1693.5	2078.5	2506.4	2909.0	3296.8	3694.1	4090.4
SG25-H	385.7	1038.8	1641.8	2208.7	2953.3	3664.6	4442.2	5206.0	5948.1	6707.2	7477.9
SG25-L	221.6	539.5	836.4	1144.7	1498.8	1872.6	2284.8	2664.2	3046.7	3426.7	3823.5
SG26-45	-524.3	-72.4	361.8	774.8	1126.0	1491.7	1833.7	2157.9	2471.0	2790.4	3094.1

Table B-18. CP1B, Load Condition C, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.00	0.59	1.17	1.76	2.38	2.95	3.55	4.14	4.71	5.30	5.89
SG26-H	-965.6	-242.7	479.1	1186.0	1835.8	2528.2	3121.2	3718.4	4303.9	4903.6	5489.7
SG26-L	-239.6	25.0	288.9	554.9	769.3	1016.7	1257.2	1474.4	1691.5	1916.0	2142.8
SG31	61.3	155.2	252.0	365.5	465.9	590.4	735.0	854.2	980.3	1105.0	1242.6
SG32	-55.8	53.9	171.8	304.6	400.7	525.9	659.3	769.3	888.1	1004.7	1133.2
SG33	201.2	477.0	707.9	926.2	1243.3	1543.3	1860.7	2182.4	2494.0	2806.6	3122.5
SG34	-418.3	-168.7	69.4	298.2	505.9	722.0	894.0	1074.5	1246.6	1422.7	1586.5
SG35	66.0	141.3	228.0	342.2	429.1	551.4	696.5	810.4	938.0	1061.2	1202.3
SG36	-38.1	80.5	211.8	363.5	471.9	615.8	771.6	898.0	1035.0	1170.7	1319.3
SG37	186.9	384.6	548.8	700.1	933.3	1148.5	1375.5	1609.2	1833.9	2065.1	2294.2
SG38	-866.5	-411.3	15.1	415.5	773.4	1143.2	1414.1	1712.0	1985.5	2269.1	2519.0
SG39	23.4	56.2	108.7	184.8	216.6	282.7	367.8	422.2	489.3	554.4	632.7
SG40	-7.1	70.6	160.1	268.5	341.7	444.2	559.4	650.3	751.8	851.6	963.5
SG41	123.4	279.3	406.8	524.7	708.0	879.7	1062.5	1250.2	1431.4	1615.2	1798.8
SG42	-339.4	-163.0	1.4	153.8	289.3	428.7	529.2	638.6	739.1	842.2	933.1
SG43-45	-575.1	-147.5	289.2	750.6	1171.8	1644.1	2037.0	2444.4	2851.5	3257.7	3654.6
SG43-H	-968.9	-314.7	324.9	958.4	1544.0	2165.1	2675.9	3209.5	3731.9	4250.0	4731.8
SG43-L	-257.7	13.0	278.7	561.8	811.1	1098.4	1369.1	1617.7	1873.0	2126.8	2382.5
SG46	-20.8	75.3	167.5	276.9	364.4	480.6	668.1	836.4	866.1	1162.2	1368.1
SG47	5418.7	6543.1	7001.2	6905.4	6664.4	6800.8	763.3	6428.5	6508.9	6613.6	1322.6
SG48	-16.7	64.5	145.5	245.7	327.5	438.9	553.8	655.6	760.3	859.3	980.1
SG49	-410.0	-213.9	-12.3	170.5	321.0	467.3	576.0	691.7	798.9	913.1	1001.7
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	-410.8	-201.9	16.7	221.5	387.7	559.7	689.5	824.4	954.4	1087.6	1199.5

Table B-19. CP1B, Load Condition C, Run 2

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.58	1.17	1.75	2.35	2.94	3.56	4.14	4.73	5.31	5.92
Hoop-1	-56.7	718.9	1390.5	2102.1	2820.5	3485.1	4191.6	4892.3	5605.9	6282.1	7024.3
Hoop-2	255.3	610.2	1322.3	2137.9	2800.1	3510.8	4200.2	4949.1	5618.9	6309.2	7015.1
Hoop-3	-9.9	685.6	1408.5	2062.7	2820.8	3486.4	4260.0	4889.1	5601.0	6346.6	7010.9
Hoop-4	-39.1	776.5	1408.5	2021.8	2740.4	3502.9	4166.8	4867.4	5601.6	6284.9	6994.1
Hoop-5	-28.5	659.1	1314.3	2098.5	2863.9	3472.2	4249.6	4910.1	5648.9	6323.4	6928.6
Hoop-6	10.9	712.2	1393.7	2093.4	2829.2	3490.9	4202.0	4914.6	5603.3	6284.1	7001.4
Hoop-7	31.4	731.2	1390.0	2050.4	2798.4	3502.5	4211.9	4915.5	5640.7	6279.0	7089.8
Hoop-8	9.9	743.2	1389.3	2107.8	2804.7	3509.2	4177.9	4917.6	5622.9	6326.0	7088.3
Hoop-9	569.7	1335.1	1679.1	2039.2	2799.0	3394.3	4305.6	4754.6	5639.3	6272.6	7025.3
Hoop-10	28.4	782.3	1359.7	2188.2	2856.5	3559.0	4190.7	4940.2	5639.9	6342.8	7020.0
Hoop-11	160.9	718.9	1382.2	2116.2	2754.1	3494.1	4209.1	4911.7	5643.4	6118.4	6680.0
Hoop-12	150.1	640.2	1482.1	2038.3	2721.8	3389.0	4242.9	4916.3	5706.0	6279.7	7230.4
Hoop-13	-52.7	690.0	1403.3	2094.3	2800.1	3476.9	4169.0	4918.2	5559.1	6271.3	6984.6
Hoop-14	9.6	673.8	1397.6	2106.2	2777.8	3516.8	4189.2	4912.1	5599.8	6307.5	7016.4
Long-1	111.3	628.7	1229.9	1775.5	2355.5	2908.3	3765.4	4393.4	4766.7	5640.8	6283.9
Long-2	50.7	934.7	1320.1	1799.8	2175.8	3260.2	3826.7	4382.7	5165.4	5667.6	6048.9
Long-3	-18.4	593.2	1248.5	1763.1	2459.6	3087.0	3689.7	4192.9	4753.6	5446.7	6185.0

Table B-19. CP1B, Load Condition C, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.58	1.17	1.75	2.35	2.94	3.56	4.14	4.73	5.31	5.92
Long-4	48.9	815.0	1367.1	1905.9	2468.8	3135.1	3757.8	4226.4	4812.2	5578.5	6079.4
Long-5	2.3	737.6	956.1	1743.7	2424.3	3291.4	3617.7	4591.3	5166.3	5337.5	5990.1
Long-6	260.8	831.5	1550.4	1627.4	2535.3	3237.3	3516.4	4074.6	4839.3	5368.1	6080.3
Long-7	87.7	920.8	1207.2	2041.6	2622.9	3226.8	3781.5	4444.7	4746.7	5634.9	6004.3
Long-8	31.7	736.3	1188.2	2058.8	2584.3	3124.0	3772.4	4235.8	4798.1	5587.0	6296.9
Radial-1R	110.2	105.7	93.4	84.6	81.9	82.8	91.1	99.5	107.2	113.2	123.0
Radial-2R	459.0	409.4	323.6	645.1	665.6	691.4	215.2	453.7	516.0	499.9	591.6
Radial-3R	55.5	45.6	42.6	39.0	37.9	39.1	41.0	47.6	51.3	54.4	67.3
Radial-4R	81.1	516.6	458.4	456.8	347.7	303.0	229.0	134.5	397.5	405.0	397.4
Radial-5R	-496.4	-423.9	-463.4	-208.9	-315.6	-452.1	-196.5	-800.6	-373.9	-449.9	-146.3
Radial-6R	46.3	43.2	50.4	55.2	57.0	64.1	74.9	84.9	91.2	99.5	108.7
Radial-7R	-7.0	0.6	8.1	9.3	10.7	15.6	28.7	49.0	58.0	67.7	77.7
Radial-8R	399.3	121.2	493.8	618.5	499.2	281.0	258.4	327.5	291.9	492.7	307.5
Radial-9R	96.2	113.6	105.0	94.8	112.8	107.8	359.8	111.9	125.3	118.5	88.9
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-49.9	20.9	67.6	142.9	204.7	285.2	337.7	407.6	450.6	538.2	606.5
SG02	3.7	61.0	91.8	148.0	194.2	254.9	293.4	348.5	382.2	449.7	501.9
SG03	5.8	118.8	233.2	341.9	465.4	589.9	731.5	852.9	982.1	1088.4	1212.3
SG04	-57.9	44.8	146.3	236.0	351.2	447.1	544.8	629.0	750.8	829.2	930.2
SG05	-20.2	60.6	107.3	168.8	247.5	349.8	400.2	488.5	544.8	632.3	714.7
SG06	27.0	105.6	146.4	203.1	274.6	365.4	412.1	492.5	546.3	628.5	702.3
SG07	24.4	129.5	245.3	357.7	481.0	610.2	765.0	895.3	1023.5	1136.1	1260.1
SG08	-79.4	-3.8	80.8	165.9	234.2	276.1	341.6	372.1	445.4	499.1	559.9
SG09	-10.2	61.5	89.4	118.6	178.1	262.5	283.3	351.4	401.1	457.5	524.3
SG10	31.3	107.4	141.4	176.2	240.7	328.5	357.2	430.8	487.0	547.4	619.9
SG11	-48.9	63.9	186.3	314.6	441.7	564.1	714.9	835.6	960.7	1078.5	1198.5
SG12	-41.2	50.9	156.3	271.0	362.2	428.8	537.2	593.5	679.5	766.7	842.8
SG13	-12.5	38.5	51.8	69.6	98.7	151.5	159.6	197.1	218.7	258.3	301.1
SG14	16.3	68.4	80.1	98.5	129.3	181.8	191.9	231.5	255.1	295.1	333.4
SG15	-40.0	81.2	209.8	342.7	483.5	620.9	780.1	918.4	1059.1	1187.6	1325.0
SG16	-57.8	55.4	182.8	314.8	437.2	535.8	666.9	756.2	871.1	982.3	1088.0
SG17	-702.9	-646.2	-589.3	-523.0	-452.0	-363.6	-304.9	-234.7	-173.2	-96.0	-16.9
SG18	30.3	108.2	148.8	200.4	255.8	332.8	383.6	438.9	489.0	555.4	622.3
SG19	-106.5	-186.7	79.7	177.1	280.2	374.8	486.5	581.1	687.1	775.8	870.2
SG20	-49.9	48.4	156.9	265.2	373.9	466.3	576.8	662.0	764.1	860.5	950.2
SG21	-42.9	59.3	82.1	116.6	158.6	231.5	272.8	302.3	344.7	407.3	453.6
SG22	-12.6	91.8	114.4	137.8	193.2	252.4	294.0	332.7	378.0	448.7	513.6
SG23	-35.6	69.9	203.8	334.8	476.1	610.1	763.2	909.2	1048.1	1170.2	1311.0
SG24	-31.1	60.6	184.9	305.8	425.7	531.6	653.0	763.9	878.2	982.9	1094.2
SG25-45	7.6	394.5	802.4	1194.7	1622.9	2070.9	2515.6	2919.9	3313.0	3668.2	4075.9
SG25-H	77.2	710.9	1403.5	2104.0	2876.2	3690.1	4529.4	5300.7	6046.5	6740.1	7497.4
SG25-L	18.5	396.9	725.2	1076.1	1467.0	1898.1	2310.5	2706.5	3066.2	3436.4	3821.6
SG26-45	-316.5	33.5	420.5	776.6	1141.3	1466.1	1796.5	2073.4	2423.3	2723.2	3072.6
SG26-H	-539.4	48.9	692.1	1336.8	1972.8	2531.5	3141.9	3657.0	4289.7	4884.0	5499.8
SG26-L	-154.1	92.5	322.6	552.1	790.3	1025.8	1243.2	1440.4	1666.8	1884.7	2125.1

Table B-19. CP1B, Load Condition C, Run 2 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.03	0.58	1.17	1.75	2.35	2.94	3.56	4.14	4.73	5.31	5.92
SG31	-18.6	119.1	216.8	328.0	453.7	603.4	727.4	856.1	965.9	1095.0	1226.4
SG32	-59.0	75.6	176.0	286.6	406.5	540.5	649.8	762.1	870.2	992.5	1115.5
SG33	34.4	324.7	605.0	894.4	1213.0	1550.2	1910.7	2239.6	2548.9	2838.2	3146.7
SG34	-244.0	-62.2	146.0	352.1	547.0	702.4	887.0	1031.4	1229.0	1404.3	1590.9
SG35	-19.9	118.7	200.9	303.9	423.1	574.3	689.1	817.4	919.5	1054.1	1185.8
SG36	-53.9	104.7	217.0	343.6	482.3	640.3	764.6	895.7	1017.5	1159.2	1300.7
SG37	55.8	263.0	467.5	674.7	905.6	1147.9	1413.3	1651.7	1878.1	2084.1	2310.2
SG38	-487.5	-185.6	179.9	534.1	858.7	1096.1	1399.1	1618.5	1951.3	2231.3	2532.2
SG39	-27.7	55.3	96.0	149.6	212.0	299.6	348.6	413.9	460.3	534.8	608.7
SG40	-34.2	82.3	158.0	246.9	346.4	464.8	553.5	652.0	737.9	843.3	948.0
SG41	11.2	172.1	334.2	497.1	680.2	874.4	1087.2	1279.5	1461.9	1628.9	1811.0
SG42	-191.4	-77.5	61.6	195.6	317.7	404.8	517.3	595.3	719.7	823.2	935.1
SG43-45	-324.5	67.8	456.3	874.8	1288.5	1665.0	2077.6	2445.3	2856.2	3278.8	3680.1
SG43-H	-611.1	-76.7	496.5	1081.0	1646.7	2128.9	2676.5	3141.6	3697.2	4222.4	4754.0
SG43-L	-183.7	84.3	319.2	575.2	837.1	1102.8	1357.6	1584.9	1840.3	2107.5	2368.6
SG46	-44.5	84.8	162.3	257.8	361.7	490.9	639.8	797.4	824.8	992.2	1221.5
SG47	-201.6	-54.0	133.9	311.6	476.9	599.5	746.2	866.2	1023.9	1165.6	1313.2
SG48	-46.7	75.0	143.5	232.4	329.7	448.2	550.5	649.6	742.8	859.0	966.5
SG49	-228.7	-110.2	63.0	215.6	354.0	447.4	561.4	644.7	775.8	880.9	997.6
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	-215.6	-73.5	113.3	285.9	446.9	560.1	691.2	796.1	945.7	1077.4	1214.1

Table B-20. CP1B, Load Condition C, Run 3

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.64	1.16	1.78	2.36	2.93	3.56	4.14	4.71	5.30	5.91
Hoop-1	-27.3	667.7	1383.1	2059.9	2786.0	3483.6	4211.0	4891.9	5610.8	6280.9	7008.5
Hoop-2	5.7	742.2	1445.3	2113.3	2784.5	3479.5	4225.8	4894.2	5562.1	6322.1	7017.6
Hoop-3	-36.9	723.5	1390.4	2100.5	2828.3	3513.8	4181.7	4885.0	5632.9	6298.5	7008.0
Hoop-4	-33.5	802.6	1350.9	2055.2	2865.2	3492.1	4205.0	4941.3	5612.1	6287.4	6992.9
Hoop-5	-48.5	624.6	1341.6	2174.9	2857.0	3485.3	4265.1	4946.0	5546.5	6294.9	7031.2
Hoop-6	60.5	769.3	1399.2	2108.1	2798.3	3480.2	4193.8	4903.1	5595.4	6279.2	7002.1
Hoop-7	-54.9	774.5	1442.2	2100.7	2789.6	3488.4	4221.8	5006.8	5597.0	6285.0	7000.5
Hoop-8	-4.6	699.5	1396.7	2079.4	2812.2	3516.4	4228.3	4896.3	5563.2	6304.9	6988.1
Hoop-9	458.7	1173.6	1577.1	2091.8	2709.7	3469.6	4095.5	4880.5	5616.1	6316.2	7068.0
Hoop-10	-5.5	801.8	1383.0	2176.4	2860.3	3446.7	4167.1	4922.8	5570.5	6302.4	6912.7
Hoop-11	90.0	784.2	1438.7	2167.8	2776.2	3448.6	4241.4	5033.9	5685.3	6300.8	7353.9
Hoop-12	179.6	422.7	1027.1	1827.0	2856.5	3560.3	4133.7	4835.8	5335.9	6250.9	7018.1
Hoop-13	-104.2	734.0	1469.6	2094.9	2785.7	3454.9	4183.3	4918.7	5660.4	6279.2	7022.7
Hoop-14	-20.2	725.9	1397.7	2099.4	2793.0	3524.2	4218.6	4875.3	5590.6	6300.7	7002.9
Long-1	12.1	690.1	1297.3	1815.9	2534.6	3209.4	3714.2	4341.0	4868.9	5436.4	6129.8
Long-2	79.0	461.0	1323.8	1917.9	2644.5	3302.6	3913.5	4214.9	4790.1	5461.3	5899.8
Long-3	-15.9	504.7	1325.1	1694.1	2343.8	3117.3	3648.0	4339.3	4908.4	5452.6	6151.7
Long-4	107.8	610.6	1093.0	1836.3	2316.7	3008.8	3811.4	4277.7	5010.2	5583.3	6092.1
Long-5	255.3	559.5	1050.1	1976.7	2233.7	3030.1	3877.4	4147.8	4770.2	5474.0	6153.5

Table B-20. CP1B, Load Condition C, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.64	1.16	1.78	2.36	2.93	3.56	4.14	4.71	5.30	5.91
Long-6	15.1	417.4	1242.3	1711.9	2397.6	3316.8	3440.0	4546.2	4850.9	5520.9	6279.6
Long-7	168.8	449.4	1357.8	2025.1	2446.9	2970.2	3680.7	4119.6	5033.9	5393.7	6139.8
Long-8	44.8	545.4	1352.0	1926.2	2238.6	3229.6	3761.3	4210.5	4972.0	5734.1	5916.7
Radial-1R	103.5	104.6	90.3	93.5	100.3	109.7	120.5	129.2	140.1	137.6	147.7
Radial-2R	273.2	744.2	674.3	468.4	578.0	956.1	605.5	751.3	638.2	200.3	674.9
Radial-3R	51.1	45.6	39.5	40.4	41.7	46.8	55.8	60.9	74.1	79.1	95.5
Radial-4R	480.5	407.7	397.4	452.0	511.8	42.2	151.8	455.2	485.4	514.1	502.2
Radial-5R	-89.7	-286.5	-441.9	-331.8	-335.0	-450.5	-343.1	-278.5	-384.2	-271.5	-221.8
Radial-6R	41.5	44.8	50.1	60.2	70.9	83.4	95.7	101.1	111.4	116.9	125.6
Radial-7R	-10.9	-4.2	-0.6	13.3	23.1	41.1	61.6	71.9	93.0	101.6	121.8
Radial-8R	223.2	242.6	418.2	395.6	355.5	311.3	378.3	362.1	177.8	213.0	445.3
Radial-9R	59.4	71.1	236.3	75.0	106.9	114.2	103.6	132.4	143.5	147.4	145.8
Radial-10R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG01	-54.2	-50.9	73.2	141.5	189.0	300.4	347.2	404.6	483.8	544.6	602.0
SG02	-3.9	-5.2	89.6	137.8	169.4	257.9	293.0	339.2	402.8	449.6	492.8
SG03	-23.2	144.8	226.1	366.5	517.1	622.7	765.9	884.3	994.0	1109.3	1234.2
SG04	-60.6	76.7	134.7	224.4	323.5	382.1	486.4	600.8	677.4	793.6	907.0
SG05	-30.0	-21.9	104.6	187.3	243.6	365.1	418.5	489.0	575.6	643.9	720.3
SG06	14.0	23.2	136.6	208.8	259.4	371.9	423.4	491.1	572.9	634.9	704.8
SG07	-19.6	146.0	233.9	387.0	553.8	677.9	831.4	951.7	1066.5	1177.8	1296.8
SG08	-62.3	40.9	82.7	130.3	181.2	193.6	250.4	312.1	357.0	441.4	507.4
SG09	-14.8	-8.0	80.8	134.9	167.8	254.1	293.4	350.5	410.4	462.7	527.4
SG10	20.7	33.8	124.7	185.7	226.2	319.1	366.3	430.3	495.9	553.1	623.3
SG11	-72.2	83.2	184.3	329.6	483.5	600.8	740.9	859.8	973.9	1093.6	1213.1
SG12	-41.8	86.6	158.0	248.1	344.2	397.2	481.4	558.2	634.2	727.0	811.0
SG13	-16.0	-19.6	47.8	76.6	85.6	144.8	161.1	184.7	225.9	252.4	286.7
SG14	12.1	3.2	68.9	97.9	108.6	169.8	191.0	218.1	260.2	287.4	319.9
SG15	-67.3	95.5	204.7	362.4	528.0	659.5	816.2	953.5	1081.7	1214.9	1351.6
SG16	-58.6	91.1	181.0	302.0	426.7	510.9	625.8	733.4	836.8	956.6	1069.5
SG17	-875.3	-878.3	-828.1	-783.0	-753.2	-674.0	-640.9	-605.6	-555.5	-511.7	-454.4
SG18	24.0	55.3	140.6	203.7	253.3	334.5	383.9	427.7	492.0	545.2	607.2
SG19	-123.7	-3.4	76.8	179.9	294.5	383.4	492.3	589.7	687.0	606.8	887.4
SG20	-46.8	80.7	157.4	257.3	361.4	437.3	538.6	639.0	730.0	836.0	932.3
SG21	-28.4	-2.9	70.1	123.3	169.3	240.1	281.8	304.2	360.8	398.6	444.6
SG22	5.6	39.2	107.1	156.0	199.1	272.1	322.5	349.5	410.8	445.1	485.2
SG23	-75.8	89.3	201.1	354.1	512.6	642.0	792.8	937.6	1061.2	1196.0	1332.4
SG24	-42.5	92.9	190.9	296.8	407.6	495.1	607.0	725.8	824.4	951.4	1063.7
SG25-45	-92.4	371.5	774.9	1292.0	1803.1	2234.8	2651.1	3033.4	3389.8	3760.5	4168.4
SG25-H	-108.8	688.3	1353.1	2264.4	3190.1	3986.8	4805.8	5533.1	6230.2	6925.3	7674.0
SG25-L	-85.0	316.2	703.1	1159.3	1600.9	2037.5	2441.3	2797.1	3171.2	3517.9	3878.1
SG26-45	-283.2	95.9	430.7	769.4	1111.1	1377.8	1662.9	1994.6	2268.7	2646.2	3029.1
SG26-H	-462.8	169.3	731.4	1273.8	1835.3	2312.1	2896.1	3511.1	4055.6	4740.8	5388.9
SG26-L	-141.4	83.5	329.3	555.6	773.1	989.2	1185.7	1402.9	1610.4	1855.7	2104.9
SG31	-54.4	59.9	210.2	355.8	488.4	644.4	762.3	870.9	999.2	1112.6	1230.5
SG32	-67.1	29.5	174.8	294.9	404.9	541.1	643.0	749.2	867.0	983.8	1103.0

Table B-20. CP1B, Load Condition C, Run 3 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.01	0.64	1.16	1.78	2.36	2.93	3.56	4.14	4.71	5.30	5.91
SG33	-60.9	313.8	579.7	957.6	1342.3	1675.7	2037.7	2343.4	2640.8	2923.5	3217.7
SG34	-208.2	-1.9	157.1	311.7	473.7	596.3	769.8	959.7	1119.3	1337.8	1536.9
SG35	-54.7	39.1	195.8	331.7	449.0	612.4	721.9	825.1	958.4	1068.2	1180.9
SG36	-64.8	44.6	216.7	359.1	486.0	649.4	765.9	887.5	1024.3	1155.3	1290.0
SG37	-17.5	258.7	447.4	725.8	1010.6	1250.7	1514.8	1739.4	1953.6	2156.3	2372.4
SG38	-401.8	-44.3	203.5	442.1	696.9	865.0	1146.9	1465.4	1714.2	2088.7	2419.9
SG39	-44.5	-12.3	94.9	166.1	219.5	315.9	357.5	405.7	476.9	534.3	595.6
SG40	-45.7	26.8	156.1	260.6	351.9	477.4	562.0	648.5	751.3	844.4	940.8
SG41	-48.2	171.6	316.5	538.0	766.0	956.2	1169.4	1348.7	1520.6	1684.7	1857.7
SG42	-159.4	-22.3	69.6	157.7	252.0	310.5	413.8	531.9	622.4	763.1	887.3
SG43-45	-292.1	102.2	476.4	821.5	1181.4	1533.6	1946.8	2361.3	2756.4	3205.0	3612.0
SG43-H	-560.9	27.6	519.0	990.2	1475.4	1900.3	2435.1	2986.5	3481.9	4089.8	4633.7
SG43-L	-188.2	60.1	323.2	562.7	803.3	1050.2	1297.6	1543.6	1793.9	2064.9	2328.6
SG46	-56.3	32.1	159.5	268.3	371.9	501.7	603.0	766.7	845.9	941.4	1317.6
SG47	-166.2	9.3	145.5	271.2	397.0	493.3	633.9	794.1	922.2	1101.4	1261.5
SG48	-59.4	21.3	138.4	237.4	332.1	457.1	555.7	644.2	756.4	853.8	952.1
SG49	-190.2	-38.4	76.6	178.7	282.2	338.1	437.1	567.2	655.4	809.0	948.2
SG50	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
SG51	-160.7	-3.1	137.4	253.6	372.4	449.7	568.0	718.1	830.1	1010.9	1173.7

Table B-21. CP2, Load Condition A, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.04	0.72	1.29	2.02	2.70	3.36	4.05	4.70	5.43	6.09	6.76
Hoop-1	-17.4	776.5	1598.1	2395.8	3143.7	3969.2	4839.8	5634.3	6443.6	7216.9	8021.9
Hoop-2	4.2	817.9	1580.7	2390.9	3191.9	3991.9	4810.4	5615.8	6384.4	7213.3	8002.4
Hoop-3	31.7	811.8	1599.3	2402.9	3184.6	4004.8	4798.9	5583.2	6419.9	7215.7	7988.7
Hoop-4	248.4	785.3	1562.1	2385.2	3196.8	4010.9	4792.6	5597.6	6412.1	7184.3	8005.6
Hoop-5	-19.4	822.8	1596.0	2412.8	3182.0	3977.3	4802.7	5603.6	6408.3	7209.9	7992.1
Hoop-6	-60.4	802.5	1592.0	2381.5	3194.6	3991.8	4790.0	5598.3	6401.3	7179.2	8009.0
Hoop-7	137.7	794.3	1584.2	2401.0	3203.0	4021.9	4787.8	5594.3	6390.1	7197.2	7996.0
Hoop-8	83.2	787.7	1412.0	2399.8	2958.7	3946.7	4883.0	5667.2	6429.7	7294.5	7961.0
Hoop-9	-76.0	680.6	1616.2	2308.3	3224.1	3894.9	4835.6	5653.1	6370.1	7188.2	7995.2
Hoop-10	31.0	778.0	1665.6	2316.5	3138.0	4058.2	4863.5	5598.0	6327.0	7240.4	8014.3
Hoop-11	-34.3	811.1	1545.4	2512.7	3170.5	4056.2	4732.0	5497.3	6580.7	6954.0	7896.0
Hoop-12	-14.4	722.8	1657.0	2092.1	3142.2	3957.1	4629.3	5617.1	6516.3	7062.5	8092.9
Hoop-13	52.8	678.1	1545.8	2450.7	3002.1	3988.1	4664.3	5466.0	6348.6	7202.5	8076.2
Hoop-14	-16.4	819.7	1595.7	2402.0	3237.7	4044.1	4812.5	5663.3	6372.3	7216.4	7998.6
Long-1	21.2	88.5	88.5	-66.2	85.0	-61.5	86.2	100.3	-17.8	79.1	3.5
Long-2	77.5	-46.4	62.1	116.3	-99.4	-15.7	38.5	29.1	-28.7	29.1	58.6
Long-3	74.4	45.3	44.0	84.1	161.8	279.6	330.6	409.4	525.9	557.6	699.5
Long-4	88.1	109.7	85.7	143.4	165.1	181.9	222.8	267.3	327.5	356.4	434.5
Long-5	-62.4	-118.2	-26.7	-108.7	-56.4	150.4	-82.6	0.6	-65.9	156.3	-63.5
Long-6	234.4	98.3	-89.6	-102.9	-143.8	-136.6	-37.8	89.8	39.3	-1.7	222.3
Long-7	134.6	-13.5	-85.2	138.1	21.1	-89.9	-74.4	-91.1	40.2	11.6	22.3

Table B-21. CP2, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.04	0.72	1.29	2.02	2.70	3.36	4.05	4.70	5.43	6.09	6.76
Long-8	-1.5	89.9	14.0	-48.9	12.8	-65.6	16.3	-19.3	2.1	-26.4	-22.8
Radial-1R	134.2	159.4	140.4	155.0	151.1	142.0	135.4	135.3	141.6	145.0	156.4
Radial-2R	534.2	386.4	470.5	590.8	504.3	555.9	1363.7	1322.7	1307.2	539.1	-313.2
Radial-3R	17.3	16.6	8.5	10.8	5.5	-1.6	-4.8	-2.0	-0.1	1.1	2.4
Radial-4R	-13.4	-12.9	-13.0	-12.2	-10.6	-12.5	-13.6	-14.0	-13.4	-13.7	-13.8
Radial-5R	6033.2	4726.5	5057.5	5189.0	3985.7	4403.4	4842.9	4709.1	5653.3	4569.0	3545.6
Radial-6R	-6.4	0.6	-2.6	16.0	1.4	-0.6	-0.5	7.1	20.2	29.5	44.5
Radial-7R	1.0	13.1	1.3	13.2	1.6	-2.6	-4.2	-2.3	-0.6	-1.8	0.5
Radial-8R	79.3	101.9	78.1	89.9	80.1	66.1	56.5	53.1	51.5	54.2	55.8
Radial-9R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
Radial-10R	-1762.1	-1481.4	-1368.7	-1334.2	-1316.8	-1327.8	-1526.5	-1718.9	-1805.3	-1781.7	-1837.6
SG01	107.7	12.8	-126.6	-204.9	-326.4	-428.1	-524.1	-613.7	-710.6	-817.0	-909.3
SG02	84.7	-10.0	-132.0	-207.8	-313.6	-407.8	-493.6	-576.4	-666.7	-760.9	-847.3
SG03	-101.8	168.7	369.4	592.5	793.6	985.8	1183.8	1381.4	1598.2	1803.3	2008.7
SG04	56.2	189.3	429.6	584.9	795.3	997.1	1197.0	1378.1	1562.9	1749.2	1923.2
SG05	125.2	2.5	-162.7	-267.6	-409.4	-533.0	-656.4	-762.7	-886.2	-1004.3	-1119.9
SG06	86.7	-1.5	-116.6	-188.4	-286.0	-371.9	-456.7	-529.6	-3227.3	-1878.0	-1056.6
SG07	-250.3	95.3	274.5	537.6	735.8	928.9	1133.0	1342.3	1577.1	1792.9	2018.5
SG08	248.6	309.3	145.4	242.0	649.0	-1018.7	1048.9	857.3	-15687.3	-16955.6	-18842.0
SG09	166.2	40.3	-97.4	-197.9	-316.0	-419.0	-532.8	-624.5	-744.8	-844.7	-950.7
SG10	135.2	29.3	-78.2	-158.1	-251.9	-333.8	-423.8	-496.9	-589.4	-668.8	-754.4
SG11	-136.5	157.1	356.0	587.3	786.0	974.1	1177.8	1373.9	1594.9	1793.1	2003.4
SG12	99.0	241.5	461.0	619.1	814.6	997.5	1192.3	1360.3	1543.9	1707.9	1882.0
SG13	108.6	-15.2	-168.0	-280.4	-410.7	-526.4	-646.2	-753.0	-881.4	-990.9	-1112.9
SG14	269.5	178.7	69.8	-8.2	-99.8	-180.8	-263.7	-337.3	-428.2	-504.7	-590.4
SG15	-147.9	152.0	361.3	607.4	816.3	1017.0	1227.7	1436.9	1671.6	1883.8	2108.6
SG16	260.0	435.2	698.0	892.9	1125.3	1345.1	1573.6	1777.0	1997.3	2206.1	2415.0
SG17	50.2	2.7	-121.5	-188.9	-286.4	-373.1	-454.3	-527.4	-613.5	-682.8	-767.2
SG18	196.7	124.9	3.7	-75.6	-176.6	-271.5	-362.9	-454.9	-553.4	-636.4	-730.1
SG19	-218.2	24.7	210.1	411.9	589.8	757.9	931.6	1105.3	1289.4	1459.0	1643.9
SG20	199.8	350.6	611.1	803.4	1032.8	1256.7	1484.7	1691.8	1910.9	2112.2	2321.5
SG21	2.3	-115.5	-266.3	-364.3	-485.3	-602.9	-714.1	-826.4	-946.7	-1060.0	-1165.5
SG22	-69.5	-157.7	-274.3	-347.0	-440.2	-528.9	-612.7	-697.4	-788.4	-872.6	-953.2
SG23	-13.5	278.3	487.7	723.2	931.5	1134.6	1343.6	1555.6	1786.8	2000.1	2216.5
SG24	208.7	354.1	615.7	792.7	1008.7	1230.6	1451.9	1657.5	1873.9	2078.3	2271.7
SG25	-14.8	21.3	-197.7	-234.7	-375.9	-501.7	-601.5	-686.9	-788.9	-867.0	-963.5
SG26	-41.2	42.0	-124.8	-119.1	-216.5	-298.2	-356.8	-402.5	-457.9	-498.4	-551.3
SG27	88.5	-87.8	-288.2	-453.8	-630.5	-799.4	-962.0	-1124.7	-1314.7	-1478.0	-1658.5
SG28	112.6	-52.9	-244.1	-398.9	-566.7	-725.3	-877.6	-1030.5	-1201.6	-1354.5	-1524.4
SG29	-564.6	130.3	383.6	884.3	1207.9	1528.2	1875.8	2250.4	2672.3	3060.6	3467.0
SG30	-603.0	141.7	431.5	975.1	1335.7	1691.0	2075.6	2487.1	2951.3	3381.8	3828.0
SG31	302.2	425.0	748.8	925.8	1187.3	1440.4	1689.2	1912.4	2145.5	2370.7	2593.5
SG32	292.0	423.0	752.6	933.8	1199.7	1457.3	1709.1	1937.2	2175.2	2403.3	2629.6
SG33	122.1	-51.9	-221.9	-364.9	-513.9	-654.8	-785.0	-918.3	-1073.3	-1198.7	-1341.4
SG34	15647.7	16381.1	17202.6	17442.9	17443.9	17295.4	17293.1	17415.7	18053.1	19030.8	19552.3

Table B-21. CP2, Load Condition A, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.04	0.72	1.29	2.02	2.70	3.36	4.05	4.70	5.43	6.09	6.76
SG35	-219.3	84.3	101.0	309.2	394.2	485.4	603.3	733.0	880.7	1024.8	1159.6
SG36	-261.7	79.8	87.6	321.8	413.0	511.8	643.3	786.6	952.9	1118.0	1270.6
SG37	437.9	317.4	343.3	342.4	393.5	434.5	489.1	530.6	572.0	639.5	708.0
SG38	213.2	164.5	210.3	220.3	258.7	299.0	349.3	380.6	413.8	454.9	479.9
SG39	-93.4	213.3	417.3	648.8	848.6	1038.5	1244.4	1438.5	1659.1	1856.0	2071.1
SG40	143.1	308.1	556.8	727.5	943.5	1140.9	1355.4	1533.3	1731.0	1903.1	2086.6
SG41	-155.6	130.7	306.6	526.1	696.8	855.7	1033.9	1200.8	1405.7	1582.7	1768.4
SG42	16.4	181.6	385.8	553.8	737.8	902.7	1083.5	1233.7	1415.6	1568.2	1727.7
SG43	197.6	81.5	24.4	-45.7	-100.0	-149.9	-213.3	-263.8	-335.0	-390.5	-451.0
SG45	211.5	87.1	52.5	-4.6	-40.1	-75.1	-122.6	-157.5	-205.8	-240.8	-279.7

Table B-22. CP2, Load Condition B, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoop-1	-13.8	15.6	4.6	121.9	-30.3	6.4	-17.4	-28.4	-4.6	-4.6	77.9
Hoop-2	-18.6	0.7	-11.6	-11.6	11.3	-18.6	32.4	0.7	21.8	-1.0	-4.5
Hoop-3	11.8	-6.2	6.4	37.1	1.0	8.2	6.4	-8.0	-8.0	-8.0	4.6
Hoop-4	21.8	1.4	114.7	265.2	31.1	14.4	18.1	-22.8	-2.4	-26.5	-0.5
Hoop-5	6.1	18.8	-8.5	31.5	24.2	49.7	15.1	-12.1	24.2	-15.8	-19.4
Hoop-6	-5.3	0.2	-144.8	25.9	-31.0	5.7	-3.5	14.9	18.5	9.4	16.7
Hoop-7	-6.2	-4.4	17.2	13.6	33.4	4.6	-51.1	-4.4	-22.3	40.6	-8.0
Hoop-8	17.8	-105.6	-120.1	-3.9	-83.8	134.0	90.5	126.7	97.7	97.7	-105.6
Hoop-9	-131.6	24.3	26.1	106.8	-9.7	-40.2	62.0	-70.7	11.8	-140.6	13.6
Hoop-10	-111.6	-17.1	47.0	-76.0	75.5	-4.7	-59.9	14.9	20.3	-63.5	-68.8
Hoop-11	92.9	-27.0	-45.2	-28.8	-77.9	-141.5	-159.7	-14.3	2.1	-134.3	0.2
Hoop-12	105.4	184.5	-263.1	203.0	83.2	70.3	61.1	-152.6	53.8	134.8	114.6
Hoop-13	38.1	-28.1	60.1	52.8	-64.9	-35.5	-6.0	-42.8	-20.8	-28.1	-28.1
Hoop-14	6.0	-38.7	132.9	95.6	20.9	88.1	-8.9	50.8	-1.4	-23.8	6.0
Long-1	96.8	595.4	1329.2	2086.4	2855.3	3442.8	4133.5	4908.5	5640.9	6232.2	6939.3
Long-2	-45.2	827.4	1578.5	1995.7	2705.1	3533.1	4266.0	4757.6	5600.4	6451.0	6911.4
Long-3	-67.6	557.6	1302.9	2046.9	2747.0	3492.6	4210.8	4952.4	5634.4	6291.7	7008.5
Long-4	58.0	800.4	1262.4	2141.8	2749.1	3467.6	4157.8	4794.1	5631.3	6243.1	7057.0
Long-5	-169.3	632.8	1407.6	2169.0	2705.8	3518.8	4295.5	4920.4	5686.6	6242.1	6946.0
Long-6	59.7	692.1	1471.5	2260.3	2625.0	3522.6	4343.6	4812.1	5587.6	6349.4	6989.6
Long-7	-167.6	747.1	1254.6	2058.0	2903.0	3469.2	4255.6	4875.2	5591.5	6283.3	7017.0
Long-8	61.4	752.0	1414.2	2118.8	2805.5	3466.6	4112.9	5027.6	5626.6	6349.7	6864.1
Radial-1R	120.0	120.9	137.6	130.4	142.3	147.8	162.9	163.9	182.9	180.1	199.6
Radial-2R	470.8	1102.3	1383.3	1186.8	646.5	1101.3	332.8	627.0	569.8	-49.1	-195.2
Radial-3R	34.7	30.5	21.7	13.6	12.8	14.4	17.9	18.4	26.3	23.6	35.8
Radial-4R	-12.2	-11.8	-12.6	-14.0	-12.3	-10.7	-10.9	-10.3	-11.8	-11.8	2.9
Radial-5R	4287.1	4845.6	5192.8	5820.9	5039.2	3848.1	3923.3	4408.5	4594.6	4063.7	2213.5
Radial-6R	-4.3	0.6	-2.2	-8.3	-0.5	-3.3	1.0	-0.3	13.0	4.1	21.3
Radial-7R	18.6	22.1	28.5	30.3	29.9	35.6	45.3	47.5	63.3	66.5	83.0
Radial-8R	115.2	131.0	153.7	137.1	141.9	156.4	172.9	171.8	190.4	186.9	207.9

Table B-22. CP2, Load Condition B, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Radial-9R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
Radial-10R	-1723.2	-1612.5	-1541.3	-1764.3	-2299.7	-1989.1	-1945.8	-1803.0	-1591.2	-1690.6	-1684.5
SG01	92.8	265.4	435.8	621.2	797.3	991.8	1187.9	1362.8	1557.5	1753.6	1922.8
SG02	68.1	228.0	381.6	552.6	714.7	891.4	1073.1	1236.7	1413.6	1596.4	1753.4
SG03	-105.2	-161.6	-196.7	-279.1	-350.7	-432.0	-511.7	-594.1	-653.5	-767.3	-820.9
SG04	53.2	-47.4	-172.6	-246.2	-355.3	-455.6	-566.0	-647.7	-756.6	-855.5	-960.1
SG05	103.2	297.7	490.1	678.2	853.2	1069.5	1289.4	1462.2	1715.4	1921.1	2117.2
SG06	15.1	180.7	348.6	518.2	689.4	882.5	1074.5	1217.3	1390.6	1572.7	1737.0
SG07	-235.4	-268.0	-266.8	-338.7	-388.3	-462.0	-518.6	-596.8	-656.0	-771.1	-794.8
SG08	40.8	-6656.9	-6881.4	-6953.9	-6851.6	-7261.3	-7888.5	-8359.3	-7738.3	-8682.8	-8799.2
SG09	127.9	299.5	470.5	630.9	771.3	969.6	1166.7	1323.5	1516.5	1701.1	1882.9
SG10	107.0	258.8	404.1	550.6	675.9	853.8	1032.0	1174.1	1343.7	1510.9	1667.5
SG11	-120.1	-167.7	-206.8	-260.4	-314.6	-393.5	-460.5	-536.1	-587.6	-690.4	-734.2
SG12	102.3	-3.3	-124.0	-194.8	-282.9	-379.8	-499.9	-569.8	-671.7	-765.6	-869.7
SG13	73.5	250.0	416.7	572.4	736.1	943.2	1138.9	1307.9	1497.5	1689.3	1871.5
SG14	241.3	400.8	551.2	699.9	845.8	1037.7	1217.8	1371.1	1545.5	1718.3	1881.3
SG15	-128.8	-187.9	-232.0	-295.9	-367.0	-459.7	-535.8	-622.8	-681.2	-796.2	-850.2
SG16	268.2	146.9	17.2	-52.0	-164.7	-277.4	-407.1	-501.1	-617.0	-734.0	-858.7
SG17	39.4	222.5	381.9	529.6	704.6	918.0	1112.1	1275.7	1469.9	1645.4	1826.5
SG18	185.5	331.3	459.3	586.4	733.0	911.9	1077.6	1216.8	1381.8	1533.4	1689.9
SG19	-221.2	-279.5	-315.4	-368.4	-443.1	-525.4	-596.2	-665.0	-720.6	-808.6	-860.3
SG20	192.3	105.4	25.0	-14.8	-112.8	-190.9	-280.2	-340.8	-428.2	-505.1	-602.0
SG21	-8.3	174.3	317.5	486.9	658.0	889.1	1089.2	1256.4	1452.4	1637.8	1825.3
SG22	-82.9	79.2	211.9	365.9	520.7	728.4	911.6	1064.7	1242.4	1409.9	1580.5
SG23	-11.5	-75.9	-112.4	-180.6	-251.2	-349.6	-428.5	-507.7	-564.5	-672.0	-728.4
SG24	217.8	102.8	-3.7	-92.0	-225.1	-367.4	-502.5	-599.4	-726.2	-840.2	-973.1
SG25	-37.6	348.4	719.5	1015.0	1374.9	1801.2	2193.6	2516.4	2932.5	3267.9	3660.4
SG26	-56.9	282.5	613.1	869.3	1183.4	1554.4	1896.4	2173.2	2541.9	2826.3	3172.8
SG27	62.2	247.6	419.3	582.8	768.8	999.0	1210.0	1393.5	1604.9	1811.3	2006.4
SG28	88.5	277.3	451.0	619.4	807.3	1040.5	1254.7	1440.1	1654.2	1861.4	2059.3
SG29	-536.3	-447.7	-288.2	-310.6	-264.5	-245.9	-188.3	-222.1	-74.0	-157.7	-44.5
SG30	-571.3	-498.2	-349.8	-387.0	-356.7	-357.3	-316.0	-367.5	-314.8	-433.8	-337.0
SG31	302.4	138.4	-58.4	-138.5	-300.9	-456.8	-632.7	-741.3	-923.8	-1050.3	-1228.3
SG32	293.5	125.9	-73.3	-155.3	-320.7	-479.4	-658.0	-769.0	-973.9	-1106.7	-1286.6
SG33	101.5	284.4	457.5	638.6	830.0	1074.2	1296.2	1495.9	1699.6	1919.4	2126.0
SG34	15998.7	15575.0	15205.4	15249.5	15066.9	15197.9	15525.5	15701.4	15602.8	15337.1	15195.6
SG35	-227.2	-21.5	208.9	318.2	478.5	643.2	834.5	940.5	1152.7	1237.0	1433.4
SG36	-273.0	-27.2	249.4	380.2	573.8	773.1	1003.5	1131.9	1387.3	1491.5	1727.9
SG37	882.1	1280.3	1508.9	1368.0	1606.2	1662.1	1565.7	1820.2	1646.6	2283.1	1933.4
SG38	194.3	229.3	237.7	294.1	314.5	360.7	403.1	449.0	479.7	526.4	543.0
SG39	-73.2	-129.2	-186.1	-250.4	-303.5	-397.0	-479.9	-553.3	-625.3	-731.3	-795.0
SG40	156.0	30.8	-135.7	-236.5	-328.7	-451.6	-608.9	-678.2	-814.5	-916.5	-1061.4
SG41	-128.8	-183.4	-239.0	-309.8	-348.6	-450.3	-528.2	-598.4	-668.0	-768.0	-820.3
SG42	52.6	-57.5	-212.3	-318.7	-388.1	-508.2	-652.5	-714.8	-827.9	-936.4	-1053.2
SG43	130.1	242.8	362.3	483.8	553.6	688.3	817.1	928.6	1050.4	1187.9	1317.0
SG45	145.1	233.2	331.0	431.2	455.8	539.6	629.6	708.0	787.3	888.9	969.5

Table B-23. CP2, Load Condition C, Run 1

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.05	0.71	1.33	2.02	2.67	3.37	4.06	4.74	5.45	6.09	6.75
Hoop-1	4.6	791.2	1533.6	2389.8	3187.7	3943.9	4877.8	5583.1	6417.9	7172.5	8055.9
Hoop-2	-62.5	849.5	1562.8	2355.3	3191.9	3999.3	4818.7	5568.4	6366.7	7172.5	7955.9
Hoop-3	-17.0	795.6	1534.1	2397.0	3197.2	4005.2	4780.4	5608.6	6389.2	7195.5	8025.8
Hoop-4	-0.5	790.9	1604.5	2410.7	3198.6	4033.6	4805.2	5579.2	6417.6	7191.5	7962.1
Hoop-5	2.4	768.2	1612.0	2439.6	3200.2	4014.1	4791.3	5594.7	6448.2	7149.6	8038.6
Hoop-6	5.7	729.0	1433.9	2425.1	3214.8	4001.3	4796.8	5594.8	6408.6	7197.2	7977.0
Hoop-7	-15.2	853.7	1636.0	2386.1	3197.6	4016.9	4807.1	5608.8	6400.8	7216.7	8002.4
Hoop-8	-62.0	881.9	1506.3	2420.9	3154.1	4025.3	4723.7	5674.5	6356.4	7155.1	8027.2
Hoop-9	74.5	721.7	1542.5	2474.3	3132.1	3952.9	4725.0	5572.4	6416.1	7163.5	7976.2
Hoop-10	38.1	872.4	1571.0	2476.2	3091.1	4055.2	4732.1	5665.7	6447.6	7155.2	8036.5
Hoop-11	20.2	792.8	1605.2	2430.2	3082.6	4049.5	4765.2	5980.8	6358.3	7163.5	8067.6
Hoop-12	-71.5	822.2	1271.7	2157.8	3242.9	3908.0	4954.2	5359.1	6213.5	6913.7	7776.8
Hoop-13	8.7	883.9	1891.3	2428.0	3133.9	3986.9	4731.0	5635.2	6502.4	7201.1	8003.5
Hoop-14	-38.7	789.7	1573.2	2408.8	3274.4	4013.1	4790.6	5603.6	6438.9	7185.1	8006.8
Long-1	135.8	544.6	1526.2	2204.4	2815.7	3609.7	4150.1	4848.3	5668.8	6389.4	7115.3
Long-2	-79.4	780.1	1211.5	2036.7	2800.0	3656.1	4434.7	5152.5	5515.0	6320.2	6977.4
Long-3	4.0	636.4	1587.9	2277.3	2818.0	3469.9	3999.6	4918.4	5598.8	6263.9	7036.4
Long-4	30.3	759.4	1383.7	2038.1	2719.5	3576.2	4317.8	4812.2	5610.4	6300.9	7048.5
Long-5	-234.6	454.5	1197.0	2254.4	2570.9	3399.1	4363.3	5060.6	5797.8	6246.9	6955.5
Long-6	87.4	723.4	1368.9	2137.2	2583.4	3365.1	4091.9	4974.7	5619.7	6164.0	6930.6
Long-7	127.4	686.1	1328.4	2185.5	2804.5	3679.7	4203.2	5006.6	5532.5	6451.7	6947.7
Long-8	25.8	741.3	1342.7	2022.5	2848.8	3624.8	4215.0	4765.4	5607.1	6470.8	6735.9
Radial-1R	127.3	151.2	152.8	151.9	142.4	143.0	149.6	158.7	174.3	185.3	195.6
Radial-2R	3528.3	4244.7	4564.3	3991.3	3787.7	3569.9	3719.9	4200.7	3893.1	3822.6	3487.7
Radial-3R	7.0	11.0	4.4	2.1	-0.9	-1.3	-0.7	1.6	6.2	9.1	12.4
Radial-4R	-8.7	-7.5	-7.1	-7.6	-8.6	-8.7	-7.9	-6.5	-5.6	-5.5	-5.9
Radial-5R	9172.8	9441.1	7956.7	7818.7	8397.4	6125.6	6386.9	7030.9	8362.0	7595.8	8158.0
Radial-6R	-5.1	1.4	6.0	8.4	6.0	9.5	18.4	26.9	41.8	54.4	62.6
Radial-7R	-1.2	7.1	5.5	3.6	1.0	1.6	5.4	8.9	18.3	26.4	28.6
Radial-8R	59.6	80.5	81.2	80.2	75.4	75.1	79.6	85.7	103.5	116.2	118.8
Radial-9R	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######
Radial-10R	-3168.7	-3098.0	-3056.6	-3060.6	-3049.8	-3002.3	-3024.8	-3054.8	-3091.2	-3102.0	-3156.4
SG01	110.3	191.1	242.5	334.0	392.1	496.4	569.9	659.6	741.3	849.1	902.5
SG02	92.7	157.5	207.7	292.8	349.9	446.7	515.0	597.6	672.5	772.0	821.4
SG03	-133.4	68.8	210.6	330.5	450.7	566.7	699.8	829.1	967.2	1075.0	1209.9
SG04	72.6	137.0	257.7	364.2	480.5	581.5	689.5	792.1	885.4	958.4	1081.5
SG05	117.7	190.5	232.5	319.4	356.5	460.2	534.0	627.2	707.6	803.6	855.9
SG06	76.1	155.7	210.3	302.6	352.1	456.6	535.5	630.0	711.9	806.7	867.8
SG07	-289.0	-13.0	144.0	276.6	406.9	535.1	685.5	829.7	989.9	1120.0	1262.9
SG08	386.8	374.9	454.8	517.8	616.5	678.3	738.9	793.8	839.4	884.0	957.5
SG09	132.2	207.5	247.6	330.7	357.4	454.3	525.8	612.8	680.9	753.2	811.2
SG10	110.0	176.7	224.8	311.3	347.3	444.7	518.2	604.5	672.9	747.8	808.6
SG11	-138.4	78.6	239.5	364.0	499.5	620.7	756.4	887.1	1031.8	1156.0	1286.0
SG12	123.3	180.5	288.4	378.1	504.0	590.2	677.7	761.4	849.9	934.2	1026.3
SG13	88.4	156.4	174.6	250.1	278.3	363.2	422.9	495.1	554.8	624.3	670.4

Table B-23. CP2, Load Condition C, Run 1 (Continued)

% Load	0	10	20	30	40	50	60	70	80	90	100
Pressure	-0.05	0.71	1.33	2.02	2.67	3.37	4.06	4.74	5.45	6.09	6.75
SG14	245.9	330.1	378.7	471.7	520.9	622.6	700.2	788.8	863.4	944.9	1008.8
SG15	-157.2	61.5	223.1	349.5	481.0	604.3	744.3	880.3	1028.3	1152.7	1287.9
SG16	277.5	355.0	499.1	612.5	758.8	869.9	982.3	1088.9	1200.8	1301.7	1416.7
SG17	33.1	153.7	204.4	307.6	367.3	475.0	563.8	661.2	749.7	843.4	917.0
SG18	154.8	220.7	246.8	310.4	341.8	415.8	478.0	544.6	605.8	670.9	722.6
SG19	-174.1	12.8	155.5	263.9	374.5	480.6	595.1	710.2	831.8	933.5	1048.0
SG20	196.2	304.4	477.7	622.6	792.5	942.0	1080.9	1217.4	1353.7	1479.3	1615.0
SG21	-4.2	50.6	83.8	148.6	188.1	272.3	331.5	395.5	454.7	519.9	580.8
SG22	-111.1	-43.2	5.4	81.6	132.1	228.0	300.3	377.6	449.6	526.6	599.2
SG23	-20.8	202.8	357.6	492.6	623.0	748.9	890.4	1032.2	1181.1	1307.8	1438.4
SG24	201.9	266.0	388.3	502.0	638.3	749.3	859.6	968.3	1074.8	1176.1	1283.6
SG25	-80.1	305.9	483.3	737.7	898.7	1163.1	1395.7	1651.4	1899.1	2141.5	2333.7
SG26	-105.5	280.5	464.6	713.8	875.3	1131.7	1365.4	1615.8	1862.2	2097.2	2288.9
SG27	81.2	92.1	81.8	118.2	124.0	180.0	210.7	255.9	294.5	348.3	373.2
SG28	104.9	130.2	131.6	182.2	200.8	270.3	313.6	371.5	422.9	488.2	524.4
SG29	-691.3	7.8	378.2	730.5	1024.9	1365.6	1737.5	2107.4	2496.5	2826.7	3153.9
SG30	-735.1	-3.9	392.7	766.8	1085.8	1449.9	1849.5	2247.5	2667.7	3024.7	3380.6
SG31	339.0	361.0	504.1	621.3	777.2	891.8	1007.0	1112.4	1213.9	1307.8	1438.7
SG32	320.5	349.1	496.8	616.7	773.7	890.2	1009.7	1118.6	1223.8	1320.3	1455.8
SG33	132.8	157.0	188.6	264.0	307.7	402.3	468.4	550.7	628.4	717.3	774.0
SG34	10166.1	10400.2	10469.9	10667.5	11008.7	10541.5	11388.2	11793.4	11975.9	12263.7	12354.7
SG35	-283.1	161.8	381.2	638.5	841.4	1106.0	1362.1	1627.7	1903.3	2153.7	2368.0
SG36	-336.8	173.3	422.3	718.3	949.7	1255.8	1549.9	1857.2	2176.6	2468.3	2715.9
SG37	255.0	261.3	323.1	408.3	507.8	612.0	889.1	913.7	983.9	1094.7	1262.3
SG38	238.3	242.6	300.0	381.6	477.5	578.4	656.7	738.3	823.2	914.8	992.7
SG39	-117.3	125.1	284.4	401.0	539.0	651.9	777.6	898.7	1036.5	1159.1	1280.4
SG40	153.6	236.3	341.3	431.4	572.4	653.4	733.1	812.0	896.9	987.6	1074.1
SG41	-168.0	29.4	151.7	237.8	351.6	439.0	529.8	619.1	731.7	843.3	930.7
SG42	47.8	104.0	168.4	232.6	346.4	408.1	466.5	524.5	595.0	681.3	740.7
SG43	183.9	226.8	275.5	347.9	384.9	471.6	533.1	601.7	645.5	692.3	750.9
SG45	208.7	207.4	243.1	302.4	329.7	398.3	447.1	499.6	528.1	562.0	616.1

Table B-24. CP3, Load Condition A, Run 1

% Load	0	20	40	60	80	100
Pressure	0.11	0.72	1.34	2.04	2.71	3.40
Hoop-1	-58.0	853.5	1647.6	2416.6	3246.1	4033.2
Hoop-2	-60.0	819.2	1665.1	2406.6	3196.4	3993.4
Hoop-3	37.1	911.4	1598.5	2458.7	3238.3	4050.1
Hoop-4	11.3	825.7	1572.3	2438.3	3231.6	4035.5
Hoop-5	48.7	747.3	1602.6	2404.3	3230.0	4049.9
Hoop-6	-77.8	832.2	1622.8	2424.8	3228.6	4039.3
Hoop-7	31.4	804.6	1620.1	2429.5	3232.8	4044.5
Hoop-8	-61.7	694.3	1610.6	2420.0	3229.7	4038.5
Hoop-9	5.6	970.0	1742.1	2535.5	3225.1	4026.6

Table B-24. CP3, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.11	0.72	1.34	2.04	2.71	3.40
Hoop-10	-20.7	812.7	1665.2	2450.9	3201.1	4017.3
Hoop-11	-113.7	923.9	1720.1	2363.5	3238.9	4009.3
Hoop-12	-8.1	777.6	1477.2	2547.4	3195.5	4057.4
Hoop-13	-41.7	869.3	1574.5	2409.1	3220.5	4083.8
Hoop-14	10.1	760.5	1599.9	2407.5	3298.1	3996.9
Long-1	140.6	-31.1	-26.0	48.5	117.9	192.4
Long-2	303.2	199.4	84.4	-44.0	17.4	71.0
Long-3	5.7	19.9	28.1	39.9	137.7	209.5
Long-4	-29.1	37.9	34.8	141.0	203.9	260.6
Long-5	13.6	0.7	24.1	95.7	196.6	268.1
Long-6	176.3	301.5	299.3	377.9	467.7	519.7
Long-7	52.1	63.3	78.0	111.7	177.0	218.5
Long-8	122.2	136.7	123.4	234.4	310.4	369.5
Radial-1R	216.4	74.3	7.3	-5.6	-26.2	-27.8
Radial-2R	97.9	145.9	328.1	321.6	598.2	249.4
Radial-3R	71.0	7.4	-12.4	-19.8	-21.1	-21.1
Radial-4R	-17.2	-376.2	-64.1	-311.5	-304.0	-85.7
Radial-5R	154.9	3.0	-14.4	-17.3	-17.2	-17.2
Radial-6R	149.9	86.0	62.7	69.7	76.2	79.6
Radial-7R	134.1	42.8	-6.7	-22.5	-37.0	-55.7
Radial-8R	158.2	15.8	-13.7	-23.0	-40.4	-43.1
Radial-9R	127.2	42.3	13.1	-7.1	-21.1	-35.0
Radial-10R	101.4	25.7	-8.7	-20.2	-35.1	-46.4
SG01	28.3	-100.0	-208.4	-329.4	-411.5	-516.2
SG02	36.9	-78.8	-178.7	-287.3	-363.9	-458.5
SG03	101.4	253.0	438.9	660.3	854.8	1066.9
SG04	-130.9	240.5	500.8	758.6	987.9	1221.1
SG05	15.0	-139.8	-277.8	-420.1	-532.3	-656.0
SG06	15.6	-102.3	-215.5	-332.1	-424.8	-527.8
SG07	192.4	217.5	373.9	595.7	794.3	1014.7
SG08	-165.7	329.6	646.2	917.6	1175.9	1419.2
SG09	-21.4	-138.8	-260.3	-383.4	-487.4	-599.8
SG10	-4.7	-93.7	-187.5	-281.0	-359.1	-445.1
SG11	93.9	222.1	409.8	635.0	841.8	1061.3
SG12	-48.3	314.1	578.3	823.3	1059.8	1291.3
SG13	-14.4	-100.4	-192.9	-294.6	-373.7	-465.9
SG14	2.9	-116.3	-237.2	-361.8	-464.3	-578.8
SG15	84.5	183.8	338.1	537.6	750.1	944.4
SG16	1082.3	1469.2	1758.9	2045.0	2296.5	2547.7
SG17	24.5	-70.4	-188.6	-310.4	-408.3	-524.8
SG18	4.4	-77.0	-177.4	-277.0	-357.4	-451.1
SG19	121.4	215.6	390.0	595.6	787.0	772.6
SG20	-67.6	266.3	518.8	759.6	982.2	1206.4
SG21	-17.7	-123.7	-252.0	-358.2	-454.5	-563.7
SG22	4.1	-95.7	-212.3	-311.6	-401.5	-501.7

Table B-24. CP3, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.11	0.72	1.34	2.04	2.71	3.40
SG23	112.3	209.0	401.1	620.2	827.0	1044.5
SG24	-132.0	322.4	633.4	899.3	1148.3	1402.3
SG25	-132.4	-53.4	-161.9	-290.7	-369.5	-498.1
SG26	-43.8	-112.5	-235.2	-360.0	-458.6	-581.1
SG27	-18.7	-81.5	-194.6	-308.1	-398.1	-509.9
SG28	53.6	-82.7	-232.5	-371.3	-478.4	-609.4
SG29	97.6	-71.8	-238.8	-387.2	-495.6	-632.8
SG30	296.9	-13.2	-263.7	-449.1	-571.9	-739.7
SG31	-5.5	-77.2	-183.8	-292.4	-379.0	-483.0
SG32	72.3	20.7	-89.3	-204.2	-291.4	-402.6
SG33	-76.1	-65.7	-185.3	-318.9	-409.3	-540.5
SG34	89.6	177.5	311.0	470.0	612.3	764.2
SG35	-53.5	245.6	462.5	662.4	856.4	1045.8
SG36	91.3	241.5	441.0	670.0	883.8	1104.8
SG37	-255.0	495.4	1015.0	1479.2	1948.8	2391.2
SG38	7.2	-84.2	-165.5	-246.0	-321.0	-394.8
SG39	7.9	-63.6	-130.7	-192.7	-249.6	-315.2
SG40	6.5	-40.1	-76.7	-110.8	-151.2	-189.4

Table B-25. CP3, Load Condition A, Run 2

% Load	0	20	40	60	80	100
Pressure	0.02	0.70	1.38	2.04	2.73	3.42
Hoop-1	79.7	904.0	1636.6	2456.2	3266.4	3994.1
Hoop-2	4.7	755.9	1455.8	2461.5	3239.4	4043.9
Hoop-3	-7.1	1231.8	2128.0	2388.8	3212.9	4029.8
Hoop-4	107.6	698.6	1577.9	2380.9	3221.9	4005.1
Hoop-5	-10.2	797.7	1555.1	2413.7	3232.8	4023.4
Hoop-6	-9.0	805.6	1644.2	2428.7	3294.3	4031.0
Hoop-7	-7.1	789.7	1592.8	2419.4	3228.7	4027.1
Hoop-8	-5.3	834.7	1629.0	2430.8	3270.6	4058.3
Hoop-9	10.8	871.3	1611.8	2391.1	3217.8	4054.6
Hoop-10	55.8	799.9	1587.1	2408.5	3231.1	4015.0
Hoop-11	-21.4	776.5	1683.2	2402.3	3218.9	4019.5
Hoop-12	-22.1	749.3	1706.8	2544.4	3150.9	4032.5
Hoop-13	-23.5	834.6	1592.9	2398.2	3220.8	3997.8
Hoop-14	27.9	861.1	1611.5	2425.6	3213.8	4029.0
Long-1	92.3	158.6	182.3	195.8	211.3	244.4
Long-2	128.6	222.4	270.3	322.9	361.9	426.7
Long-3	9.3	5.8	11.7	3.4	3.4	-1.3
Long-4	58.8	86.6	93.8	100.0	87.7	102.1
Long-5	33.7	209.6	244.8	294.1	391.5	471.2
Long-6	212.2	276.5	297.5	346.3	385.0	431.6
Long-7	-8.8	39.6	73.3	86.8	93.6	100.3
Long-8	95.5	106.4	110.0	107.6	99.1	112.4

Table B-25. CP3, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.70	1.38	2.04	2.73	3.42
Radial-1R	29.4	-30.5	-30.5	-31.7	-30.4	-31.3
Radial-2R	538.2	506.5	547.1	323.3	286.8	308.2
Radial-3R	3.0	-5.4	-21.7	-21.0	-23.2	-22.2
Radial-4R	1707.6	2079.7	1735.4	1957.0	1692.3	1962.9
Radial-5R	7.3	-21.2	-33.3	-40.1	-39.9	-38.1
Radial-6R	-8.2	-13.6	-14.6	-12.6	-11.8	-17.1
Radial-7R	48.2	-7.1	-28.8	-39.8	-59.7	-72.6
Radial-8R	-30.3	-67.8	-74.4	-80.3	-85.8	-87.2
Radial-9R	28.4	0.8	-19.6	-32.0	-44.3	-54.7
Radial-10R	14.7	-7.4	-31.1	-43.5	-56.3	-65.6
SG01	-15.8	-117.1	-233.9	-330.9	-441.3	-546.3
SG02	4.5	-89.1	-194.5	-283.8	-384.4	-479.9
SG03	21.5	210.2	423.1	627.0	839.6	1052.0
SG04	20.5	298.5	553.7	794.2	1038.7	1275.6
SG05	-35.7	-171.6	-314.4	-425.9	-564.6	-696.7
SG06	-7.1	-114.0	-231.3	-326.1	-440.9	-549.8
SG07	-8.1	124.6	328.4	535.0	751.2	971.7
SG08	37.9	393.4	671.7	928.5	1201.7	1452.8
SG09	-26.5	-152.6	-279.9	-374.0	-499.2	-620.3
SG10	-7.8	-102.5	-198.8	-272.4	-369.6	-462.9
SG11	22.6	208.1	424.6	624.6	846.4	1070.7
SG12	28.5	337.0	587.8	809.1	1065.7	1305.7
SG13	-22.9	-115.4	-225.3	-285.2	-387.4	-485.1
SG14	-6.8	-124.2	-256.6	-348.3	-473.6	-593.2
SG15	13.5	172.0	373.4	557.8	761.0	966.9
SG16	12436.7	12734.1	13066.1	13286.5	13542.2	13791.6
SG17	-24.1	-119.0	-251.3	-344.7	-471.8	-589.9
SG18	-7.1	-84.6	-194.1	-275.0	-379.2	-476.7
SG19	8.4	165.5	356.9	545.4	748.2	956.7
SG20	35.2	312.6	559.6	772.9	1016.6	1246.1
SG21	175.5	88.0	-30.5	-144.3	-260.4	-366.5
SG22	-4.7	-90.3	-199.7	-305.4	-413.2	-513.3
SG23	21.4	181.5	392.1	604.3	824.6	1040.9
SG24	14.3	339.0	630.5	906.9	1172.1	1432.7
SG25	29.8	18.6	-144.0	-225.4	-365.6	-498.4
SG26	22.3	-59.9	-202.6	-302.8	-432.1	-555.4
SG27	-3.4	-80.9	-213.6	-307.5	-426.6	-540.8
SG28	-32.0	-148.1	-307.8	-408.6	-551.8	-685.0
SG29	44.4	-80.3	-256.9	-359.3	-513.7	-653.3
SG30	-31.3	-220.1	-466.1	-579.2	-775.7	-946.5
SG31	114.3	36.7	-83.4	-169.5	-282.3	-388.9
SG32	1733.9	1673.9	1548.0	1463.8	1349.8	1240.5
SG33	7.0	-34.2	-188.9	-279.0	-420.5	-553.3
SG34	13.9	133.4	286.6	436.2	591.4	752.5
SG35	-7.7	236.8	440.9	657.4	870.0	1068.6

Table B-25. CP3, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.70	1.38	2.04	2.73	3.42
SG36	25.2	208.5	427.7	647.8	874.5	1100.8
SG37	47.2	638.4	1116.9	1596.3	2096.1	2551.3
SG38	-3.8	-103.0	-190.1	-255.9	-334.3	-412.6
SG39	7.0	-66.5	-137.0	-195.5	-269.9	-342.5
SG40	5.9	-43.6	-88.0	-129.6	-167.8	-207.3

Table B-26. CP3, Load Condition A, Run 3

% Load	0	20	40	60	80	100
Pressure	-0.01	0.69	1.36	2.03	2.74	3.43
Hoop-1	81.3	953.2	1608.0	2497.2	3222.0	4033.7
Hoop-2	39.6	711.1	1627.0	2310.0	3161.3	4055.5
Hoop-3	-1.4	827.1	1632.4	2441.8	3208.5	4038.4
Hoop-4	112.6	902.3	1576.2	2422.0	3256.7	4054.7
Hoop-5	34.1	767.7	1627.9	2411.9	3247.1	4083.6
Hoop-6	3.8	816.8	1614.0	2430.0	3233.8	4029.4
Hoop-7	46.1	872.7	1614.7	2425.4	3238.1	4027.1
Hoop-8	10.0	865.2	1689.9	2483.8	3423.3	4156.4
Hoop-9	30.2	994.6	1721.0	2399.5	3216.0	4028.7
Hoop-10	63.2	795.3	1633.0	2431.8	3217.7	4051.0
Hoop-11	10.1	770.1	1612.1	2409.7	3256.7	4060.9
Hoop-12	20.9	788.6	1525.9	2372.2	3320.9	4099.3
Hoop-13	17.6	805.2	1633.9	2562.2	3220.8	4031.8
Hoop-14	-10.2	797.4	1719.5	2425.1	3220.2	4027.8
Long-1	57.2	138.9	148.2	173.0	188.6	219.6
Long-2	33.7	179.9	220.1	258.1	315.0	361.9
Long-3	143.6	-39.0	39.9	207.2	146.0	48.2
Long-4	50.5	79.4	93.8	94.9	103.1	101.1
Long-5	108.8	210.8	254.2	357.4	440.7	538.1
Long-6	216.7	211.1	267.6	319.6	351.8	424.9
Long-7	-4.3	64.3	71.1	103.7	95.8	110.5
Long-8	111.2	103.9	107.6	117.2	118.4	118.4
Radial-1R	-25.1	-33.7	-34.3	-33.6	-33.9	-33.3
Radial-2R	387.1	414.6	321.4	449.4	110.2	121.2
Radial-3R	-12.4	-21.3	-13.6	-22.3	-23.6	-22.8
Radial-4R	1214.0	1222.7	1155.3	1061.4	899.8	1333.8
Radial-5R	0.4	-28.6	-29.2	-35.4	-39.9	-39.9
Radial-6R	-14.4	-17.6	-16.7	-15.6	-19.6	-13.2
Radial-7R	16.0	-12.5	-27.4	-45.0	-66.0	-78.8
Radial-8R	-59.0	-72.7	-74.1	-83.2	-87.4	-87.7
Radial-9R	25.4	7.9	-0.4	-23.5	-35.9	-46.1
Radial-10R	-8.4	-18.4	-29.0	-47.9	-60.8	-68.3
SG01	-9.8	-113.0	-210.8	-324.8	-434.1	-545.7
SG02	10.4	-83.8	-174.4	-276.5	-377.7	-478.5
SG03	-10.6	195.4	398.8	609.7	827.9	1047.4

Table B-26. CP3, Load Condition A, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.01	0.69	1.36	2.03	2.74	3.43
SG04	38.4	303.3	530.4	790.4	1038.9	1274.8
SG05	-28.2	-158.8	-279.8	-412.0	-551.0	-690.4
SG06	2.1	-104.1	-205.9	-314.4	-430.0	-546.2
SG07	-72.6	102.4	309.9	506.6	728.5	961.3
SG08	85.0	405.4	648.1	927.3	1200.2	1449.9
SG09	-17.0	-134.5	-250.4	-360.6	-486.0	-615.0
SG10	3.3	-88.1	-175.7	-260.6	-358.1	-458.5
SG11	-21.2	180.2	395.3	602.4	831.1	1062.6
SG12	43.4	329.4	557.9	803.6	1058.8	1301.0
SG13	-17.0	-97.8	-189.3	-279.2	-380.3	-484.4
SG14	2.0	-110.0	-225.0	-338.8	-463.8	-591.4
SG15	-29.8	147.8	345.8	537.8	747.3	960.7
SG16	12314.9	12592.4	12907.1	13156.4	13434.0	13686.8
SG17	-27.8	-119.7	-233.3	-346.2	-473.9	-602.6
SG18	-4.4	-83.5	-178.8	-271.0	-376.4	-481.2
SG19	-43.0	128.4	328.3	525.4	733.8	948.2
SG20	56.9	318.6	544.5	777.0	1023.8	1252.9
SG21	179.9	83.5	-26.7	-129.4	-248.7	-363.9
SG22	-1.2	-95.4	-197.9	-294.7	-405.6	-513.3
SG23	-20.1	163.5	373.0	580.7	807.8	1034.2
SG24	49.8	373.1	641.7	908.9	1187.6	1443.9
SG25	92.7	63.3	-63.6	-175.6	-326.1	-488.8
SG26	44.0	-39.7	-160.8	-278.9	-412.6	-549.5
SG27	13.0	-68.3	-179.0	-288.6	-414.1	-540.3
SG28	-34.5	-138.3	-265.6	-394.3	-539.5	-684.3
SG29	34.7	-75.9	-211.7	-349.7	-506.2	-657.7
SG30	-83.2	-224.8	-393.4	-569.9	-769.2	-961.2
SG31	124.9	44.9	-58.0	-158.1	-272.7	-389.4
SG32	2272.8	2203.4	2098.9	1999.4	1880.7	1757.0
SG33	48.8	-4.9	-130.9	-247.1	-392.5	-549.7
SG34	-34.4	118.0	267.1	405.7	573.3	744.7
SG35	-12.8	239.7	422.2	628.6	842.9	1050.7
SG36	-17.8	192.1	408.6	623.3	856.8	1093.5
SG37	80.3	642.6	1077.1	1574.3	2066.1	2530.8
SG38	0.4	-83.9	-171.7	-240.0	-320.8	-401.1
SG39	17.2	-54.0	-126.7	-185.5	-263.1	-338.3
SG40	13.9	-38.0	-79.2	-115.8	-157.8	-196.3

Table B-27. CP3, Load Condition B, Run 1

% Load	0	20	40	60	80	100
Pressure	-0.04	0.02	0.01	-0.01	0.00	0.00
Hoop-1	-21.5	-45.3	26.0	124.3	-0.9	-5.7
Hoop-2	58.0	58.0	44.7	-13.4	-46.7	34.8
Hoop-3	-10.5	-7.6	1.1	2.5	1.1	-3.3

Table B-27. CP3, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.04	0.02	0.01	-0.01	0.00	0.00
Hoop-4	-26.8	6.3	26.2	14.6	21.2	31.2
Hoop-5	2.8	-43.1	-14.6	-25.7	4.4	-8.3
Hoop-6	-38.0	12.9	-3.0	-6.2	9.7	-6.2
Hoop-7	-4.6	-6.1	17.3	-1.4	18.9	20.5
Hoop-8	-15.9	7.0	29.9	-0.7	-8.3	-0.7
Hoop-9	51.4	40.8	46.1	37.3	40.8	46.1
Hoop-10	-4.3	-2.8	-5.8	-2.8	3.1	-1.3
Hoop-11	-23.8	-8.0	66.1	-11.2	6.2	15.6
Hoop-12	47.3	13.3	25.9	8.0	9.7	4.4
Hoop-13	17.0	46.4	164.0	169.8	222.7	234.5
Hoop-14	-9.0	3.7	35.5	16.4	29.2	29.2
Long-1	-19.7	767.6	1647.8	2562.0	3362.3	4211.7
Long-2	-15.0	656.1	1623.7	2660.4	3481.5	4273.0
Long-3	2.2	1005.8	1820.6	2462.0	3361.4	4184.8
Long-4	1.8	981.4	1869.8	2418.0	3237.2	4153.8
Long-5	-24.0	1024.7	1946.2	2350.4	3234.2	4172.5
Long-6	160.8	995.0	1867.5	2306.8	3494.9	4017.7
Long-7	31.8	972.1	1528.5	2374.7	3177.2	4327.6
Long-8	26.9	558.9	1652.7	2898.2	3279.9	4118.2
Radial-1R	-5.4	67.1	75.8	75.2	127.7	142.5
Radial-2R	369.9	391.3	205.6	25.8	-36.8	154.1
Radial-3R	-3.9	13.6	17.7	21.8	45.0	63.0
Radial-4R	244.2	177.9	155.8	297.6	-464.1	21.6
Radial-5R	-1.4	20.5	15.5	17.8	26.4	32.1
Radial-6R	41.1	58.0	52.2	52.9	57.7	60.7
Radial-7R	20.1	61.7	58.8	74.1	99.8	122.7
Radial-8R	1.8	24.0	25.2	30.2	44.2	52.8
Radial-9R	23.8	55.5	66.6	85.3	106.1	118.2
Radial-10R	17.0	38.1	36.6	43.8	61.9	75.5
SG01	6.7	204.3	411.3	615.3	820.4	1025.2
SG02	16.6	200.0	393.2	582.6	771.1	960.7
SG03	7.0	-36.0	-114.2	-192.6	-259.7	-332.8
SG04	20.1	-117.0	-229.9	-359.4	-483.5	-597.6
SG05	-22.6	220.6	457.9	677.1	924.7	1165.2
SG06	-3.3	207.6	417.2	609.5	826.4	1038.6
SG07	-67.6	-63.9	-145.0	-217.4	-270.5	-345.1
SG08	132.7	-88.7	-228.1	-369.1	-551.6	-700.9
SG09	-27.8	189.7	399.8	573.5	787.9	1000.5
SG10	-12.2	183.9	372.4	528.2	721.3	911.0
SG11	-36.1	-74.0	-153.0	-219.9	-282.8	-357.8
SG12	103.6	-57.8	-167.7	-257.6	-390.1	-504.0
SG13	-11.0	191.8	385.9	552.9	751.3	951.3
SG14	-6.6	227.3	448.6	637.2	865.4	1090.2
SG15	-71.3	-49.3	-159.7	-202.2	-293.5	-358.5
SG16	1278.9	1073.6	897.4	830.8	642.9	489.7

Table B-27. CP3, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.04	0.02	0.01	-0.01	0.00	0.00
SG17	35.7	262.9	469.2	655.3	876.7	1096.2
SG18	9.0	217.6	414.0	584.6	794.0	1000.0
SG19	-244.2	-275.6	-104.2	-155.6	-207.1	-267.1
SG20	46.6	-68.8	-143.3	-212.4	-313.7	-403.5
SG21	-20.3	211.6	419.0	589.4	831.2	1048.3
SG22	1.2	220.3	418.7	579.3	804.1	1009.8
SG23	-23.1	-77.2	-162.8	-233.2	-314.5	-397.3
SG24	43.1	-130.2	-234.9	-331.1	-483.6	-608.9
SG25	77.6	667.7	1305.6	1893.6	2515.2	3164.5
SG26	4.8	323.2	655.1	960.7	1291.1	1631.3
SG27	33.1	320.5	618.4	900.2	1197.7	1505.8
SG28	30.7	368.0	672.3	951.1	1276.0	1596.3
SG29	43.2	469.4	851.2	1203.6	1623.3	2027.2
SG30	92.4	892.8	1577.1	2215.9	2970.0	3716.3
SG31	22.2	264.3	504.1	720.7	971.5	1223.7
SG32	126.7	427.1	731.1	1007.6	1321.6	1640.1
SG33	53.7	536.9	1039.0	1493.8	2003.6	2528.2
SG34	-21.4	-101.5	-200.6	-269.3	-357.7	-454.2
SG35	74.0	-126.2	-283.9	-393.7	-557.7	-694.0
SG36	-25.5	-87.1	-185.4	-266.9	-360.5	-460.9
SG37	101.9	-253.4	-508.2	-698.0	-1020.7	-1280.4
SG38	-5.4	154.1	313.3	427.6	580.1	733.8
SG39	6.0	176.3	341.5	460.7	621.7	786.5
SG40	6.5	139.6	277.2	365.7	497.1	628.9

Table B-28. CP3, Load Condition B, Run 2

% Load	0	20	40	60	80	100
Pressure	-0.02	0.03	-0.02	0.02	-0.01	0.01
Hoop-1	46.4	84.4	87.6	89.2	130.4	133.6
Hoop-2	-13.6	-18.6	-28.6	32.9	-5.3	8.0
Hoop-3	8.7	17.4	-8.6	-2.8	4.4	11.6
Hoop-4	132.4	114.2	200.3	119.2	149.0	230.1
Hoop-5	-0.7	15.1	7.2	-7.1	-18.1	24.6
Hoop-6	-7.4	-5.8	42.0	8.5	5.4	3.8
Hoop-7	77.4	47.7	33.6	46.1	82.1	93.1
Hoop-8	-5.3	25.2	-5.3	17.6	25.2	48.1
Hoop-9	16.1	35.5	23.2	19.6	42.6	49.6
Hoop-10	18.6	43.9	35.0	30.5	48.3	58.8
Hoop-11	14.8	10.1	55.8	76.3	63.7	114.2
Hoop-12	-23.9	37.0	-0.6	-13.1	3.0	-14.9
Hoop-13	-17.7	-5.9	11.7	58.8	88.1	152.8
Hoop-14	2.5	-10.2	-16.6	2.5	8.8	8.8
Long-1	58.2	1004.7	1829.4	2664.3	3263.6	4373.0
Long-2	104.0	932.3	1804.2	2410.4	3491.4	4396.0

Table B-28. CP3, Load Condition B, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.02	0.03	-0.02	0.02	-0.01	0.01
Long-3	-33.1	976.2	1708.9	2701.9	3261.7	4186.7
Long-4	48.5	706.2	1594.0	2540.5	3352.3	4138.2
Long-5	54.8	655.3	1558.4	2533.1	3225.4	4545.2
Long-6	203.4	860.1	1813.9	2663.4	3661.8	3956.8
Long-7	-13.3	716.5	1927.7	2700.3	3492.3	4375.4
Long-8	6.2	1129.1	1381.3	2341.4	3324.7	4339.5
Radial-1R	-30.6	4.7	7.9	62.5	60.7	84.7
Radial-2R	286.6	526.6	249.0	345.9	359.5	239.7
Radial-3R	-11.7	1.6	-0.4	14.4	16.3	19.8
Radial-4R	1036.1	1127.2	1479.7	1235.5	1218.4	1387.0
Radial-5R	-7.0	-0.2	-6.8	6.5	7.2	16.9
Radial-6R	-22.1	-14.4	-22.9	-7.8	-13.7	-5.6
Radial-7R	10.7	41.7	39.6	82.7	81.1	107.2
Radial-8R	-68.0	-48.6	-52.1	-12.8	-11.3	17.0
Radial-9R	22.8	45.0	51.4	90.5	100.3	128.1
Radial-10R	-5.7	14.2	8.5	27.5	29.0	46.4
SG01	-23.0	177.0	365.3	573.3	757.3	981.3
SG02	-1.0	183.4	360.5	551.8	724.7	930.0
SG03	-8.3	-59.6	-142.5	-193.7	-267.4	-340.7
SG04	50.0	-79.3	-181.4	-322.4	-428.6	-560.2
SG05	-43.9	179.8	399.5	652.6	868.8	1127.0
SG06	-9.1	185.0	381.3	598.6	790.9	1017.0
SG07	-83.8	-96.8	-192.4	-215.3	-297.9	-367.1
SG08	106.9	-74.6	-195.9	-400.8	-529.7	-695.0
SG09	-24.6	162.2	365.6	581.1	772.6	996.1
SG10	-4.0	162.0	344.6	537.9	710.8	908.7
SG11	-27.2	-63.8	-152.7	-203.7	-286.1	-357.2
SG12	59.6	-62.3	-165.5	-309.0	-404.5	-520.9
SG13	-26.5	145.2	332.5	540.3	720.9	924.7
SG14	-10.7	185.5	401.2	634.4	840.6	1071.6
SG15	-35.9	-68.8	-156.1	-203.2	-283.7	-350.0
SG16	12394.6	12230.2	12086.9	11898.5	11750.5	11595.0
SG17	-31.5	150.8	355.6	588.5	789.2	1000.6
SG18	-11.0	160.8	354.9	567.4	757.6	957.6
SG19	-262.9	-285.7	-380.0	-420.1	-488.5	-308.7
SG20	69.0	-21.8	-93.7	-204.1	-279.5	-365.3
SG21	175.7	352.4	578.0	814.1	1026.6	1237.4
SG22	-6.5	163.4	376.3	598.6	801.1	999.7
SG23	-26.1	-68.9	-176.5	-244.1	-340.7	-413.1
SG24	66.0	-63.9	-168.6	-336.4	-450.7	-570.2
SG25	56.9	615.2	1239.5	1891.7	2506.2	3155.7
SG26	26.1	322.0	641.9	984.3	1300.1	1640.6
SG27	-2.3	268.8	555.1	866.0	1151.8	1458.3
SG28	-54.4	237.8	533.3	879.9	1168.3	1488.8
SG29	11.0	378.8	746.0	1189.3	1556.6	1963.1

Table B-28. CP3, Load Condition B, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.02	0.03	-0.02	0.02	-0.01	0.01
SG30	-133.5	558.1	1208.8	2027.6	2673.5	3423.6
SG31	114.0	324.3	559.9	816.2	1048.6	1299.2
SG32	1771.6	2034.6	2335.1	2656.0	3008.2	3730.4
SG33	23.5	451.7	946.9	1467.0	1951.5	2470.1
SG34	-27.5	-106.3	-215.1	-305.2	-395.6	-488.2
SG35	12.3	-152.1	-298.4	-470.8	-579.7	-718.7
SG36	-21.5	-80.5	-191.3	-266.9	-370.5	-468.3
SG37	115.2	-150.9	-387.8	-707.5	-922.9	-1185.5
SG38	-7.6	126.6	286.6	438.0	584.8	747.3
SG39	15.2	148.8	313.8	476.7	631.8	789.8
SG40	2.9	111.7	257.9	386.4	522.2	662.0

Table B-29. CP3, Load Condition C, Run 1

% Load	0	20	40	60	80	100
Pressure	0.00	0.69	1.37	2.04	2.68	3.42
Hoop-1	-5.7	931.4	1673.0	2405.8	3204.2	4041.2
Hoop-2	-33.4	744.6	1573.7	2498.2	3255.6	4036.6
Hoop-3	-17.7	812.3	1604.2	2425.8	3207.4	4040.2
Hoop-4	27.9	784.6	1633.5	2465.0	3262.4	4060.2
Hoop-5	17.1	747.5	1639.0	2542.4	3156.5	4040.4
Hoop-6	-1.4	816.5	1629.2	2413.9	3207.3	4025.0
Hoop-7	28.3	693.7	1748.4	2451.7	3194.6	4039.9
Hoop-8	-0.7	785.9	1534.4	2420.5	3191.6	4016.3
Hoop-9	-10.3	721.3	1633.0	2407.3	3159.9	4062.7
Hoop-10	1.6	802.2	1613.3	2391.8	3217.5	4053.8
Hoop-11	-6.5	770.9	1627.3	2436.5	3215.3	4096.8
Hoop-12	-4.6	872.3	1534.6	2388.6	3222.4	3893.5
Hoop-13	-6.5	816.4	1557.1	2433.1	3244.0	4008.2
Hoop-14	3.7	817.7	2007.0	2477.9	3202.7	4074.0
Long-1	-24.9	723.2	1750.4	2402.2	3467.8	4236.5
Long-2	-35.0	691.8	1679.7	2504.7	3577.5	4242.9
Long-3	25.8	751.5	1483.9	2511.0	3226.0	4036.3
Long-4	48.2	952.6	1775.2	2634.0	3255.7	4257.9
Long-5	34.7	806.6	2005.1	2361.6	3529.8	4267.5
Long-6	145.3	905.3	1686.1	2541.2	3167.0	4158.3
Long-7	18.4	1062.1	1818.7	2381.0	3350.4	3958.7
Long-8	221.1	749.6	1701.1	2594.8	3185.9	4187.0
Radial-1R	37.6	32.2	27.7	29.9	57.5	52.3
Radial-2R	449.5	-43.4	474.6	531.1	231.3	256.9
Radial-3R	3.2	-18.0	-17.9	-19.9	-19.4	-19.4
Radial-4R	-115.9	83.1	-515.8	-310.0	-61.4	-166.1
Radial-5R	-18.9	-10.7	-25.0	-24.2	-28.1	-24.6
Radial-6R	6.5	23.8	18.7	23.4	21.8	30.9
Radial-7R	26.3	26.5	5.9	6.9	-3.8	-0.2

Table B-29. CP3, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.69	1.37	2.04	2.68	3.42
Radial-8R	22.4	3.8	-19.8	-10.5	-2.8	-8.9
Radial-9R	43.0	35.8	37.6	31.5	38.0	31.9
Radial-10R	32.4	9.5	3.3	-0.8	-5.5	-7.6
SG01	19.2	74.1	185.4	236.4	357.6	428.4
SG02	24.6	81.6	185.3	240.0	352.5	424.7
SG03	15.1	163.8	285.0	443.9	560.1	721.1
SG04	-10.3	156.0	286.9	433.9	520.1	677.7
SG05	4.6	62.7	158.7	232.2	348.8	426.3
SG06	12.4	74.7	167.5	240.1	347.1	425.0
SG07	-23.2	112.6	229.9	380.7	508.9	672.0
SG08	59.0	233.4	396.3	520.7	612.5	760.4
SG09	-6.2	55.2	130.4	200.9	283.5	351.3
SG10	1.1	73.7	159.4	238.5	329.0	408.5
SG11	-12.3	135.7	276.9	425.8	561.6	727.9
SG12	50.6	211.2	373.9	510.4	635.4	786.7
SG13	6.9	87.4	173.2	241.6	331.6	415.2
SG14	11.9	89.4	177.3	245.3	338.7	420.9
SG15	-37.0	102.8	192.8	349.2	431.5	639.0
SG16	1070.7	1256.0	1423.6	1547.7	1703.7	1822.4
SG17	52.1	133.6	221.1	275.6	365.3	451.3
SG18	20.1	109.7	202.9	273.5	372.0	469.3
SG19	7.2	147.2	278.6	429.9	564.1	715.6
SG20	2.9	179.9	361.6	517.6	649.6	800.7
SG21	0.6	88.3	182.7	233.4	330.3	427.4
SG22	13.0	95.9	187.9	243.4	339.5	434.5
SG23	-0.7	118.0	238.9	394.2	519.3	675.6
SG24	-13.0	198.1	397.2	563.3	695.1	838.0
SG25	102.2	567.7	1063.2	1440.2	1901.4	2388.0
SG26	45.9	212.6	405.4	544.4	734.9	928.6
SG27	51.7	206.3	379.6	507.4	676.6	849.3
SG28	69.3	216.2	373.7	486.2	650.9	814.2
SG29	95.9	296.5	515.5	683.9	914.6	1148.7
SG30	196.6	628.2	1086.6	1462.1	1947.3	2452.7
SG31	40.1	156.1	281.8	370.9	498.0	623.9
SG32	143.9	314.7	498.6	631.9	811.4	993.7
SG33	73.5	415.8	780.8	1049.4	1392.2	1747.9
SG34	-6.3	58.8	121.1	168.0	243.5	313.4
SG35	21.9	94.5	165.9	221.6	294.1	379.1
SG36	5.4	143.9	267.9	392.4	519.0	667.8
SG37	-13.1	272.0	544.6	772.7	994.3	1257.5
SG38	7.7	67.9	127.1	188.1	250.1	308.0
SG39	8.5	96.7	177.5	260.9	340.9	425.5
SG40	1.8	87.2	169.1	251.0	329.7	408.0

Table B-30. CP3, Load Condition C, Run 2

% Load	0	20	40	60	80	100
Pressure	0.00	0.66	1.36	2.04	2.79	3.40
Hoop-1	-15.5	843.8	1591.9	2413.7	3221.7	4019.1
Hoop-2	1.3	844.0	1561.9	2328.7	3147.7	4036.9
Hoop-3	-7.1	912.0	1555.7	2481.2	3227.0	4012.1
Hoop-4	13.2	819.5	1519.6	2407.6	3261.4	4024.5
Hoop-5	62.7	862.6	1722.6	2491.6	3227.7	4030.9
Hoop-6	-13.7	759.5	1865.0	2398.7	3231.9	4030.6
Hoop-7	-33.7	916.4	1763.1	2490.1	3222.2	4033.0
Hoop-8	-28.2	827.1	1537.2	2376.9	3202.2	4065.5
Hoop-9	10.8	871.3	1631.0	2362.5	3156.4	3923.7
Hoop-10	-3.7	887.7	1627.1	2452.7	3225.5	4032.5
Hoop-11	2.2	847.5	1588.5	2482.3	3318.6	4038.0
Hoop-12	13.7	778.0	1703.1	2372.2	3213.8	4148.5
Hoop-13	-23.5	740.6	1657.4	2474.1	3209.3	4015.0
Hoop-14	-29.3	931.0	1598.6	2431.4	3220.5	3984.1
Long-1	17.8	913.9	1858.5	2422.4	3231.9	4098.2
Long-2	41.5	990.5	1920.5	2762.3	3270.7	4266.9
Long-3	-16.6	978.8	1729.1	2400.6	3457.6	4327.3
Long-4	13.4	788.8	1626.1	2533.5	3439.2	4110.8
Long-5	16.1	680.0	1984.4	2572.0	3416.9	4386.2
Long-6	157.9	658.6	1618.0	2551.8	3266.7	4258.5
Long-7	19.4	1109.1	1574.7	2323.8	3296.9	4065.4
Long-8	59.3	972.5	2067.8	2482.7	3588.0	4067.4
Radial-1R	52.0	-9.7	-1.9	-2.7	58.1	-20.4
Radial-2R	203.0	11.3	500.8	561.8	636.0	512.4
Radial-3R	-7.5	-12.6	-14.1	-18.6	-8.7	-11.6
Radial-4R	3135.4	2494.2	2110.8	2419.1	2264.1	2301.8
Radial-5R	-19.9	-37.0	-48.4	-41.0	-25.5	-39.5
Radial-6R	18.2	-18.8	-25.8	-16.7	1.3	-14.8
Radial-7R	24.1	-2.9	-4.0	-2.0	26.3	-6.3
Radial-8R	8.8	-19.3	-21.9	-25.3	-1.5	-32.6
Radial-9R	31.6	11.4	1.6	1.2	19.5	-7.1
Radial-10R	30.6	-0.8	-9.1	-14.1	0.6	-27.3
SG01	-15.9	84.1	154.7	208.9	299.6	366.0
SG02	-2.2	93.4	167.3	219.1	304.8	374.5
SG03	-3.1	123.8	274.5	428.8	590.0	715.0
SG04	31.0	184.5	333.8	469.4	573.2	745.2
SG05	-32.5	61.0	151.3	205.5	315.7	382.2
SG06	-5.7	85.5	171.9	227.1	326.1	399.0
SG07	-46.2	47.4	190.9	348.3	530.8	621.5
SG08	62.7	254.5	378.6	515.8	586.8	778.5
SG09	-21.8	54.9	139.1	190.0	284.1	350.1
SG10	-5.6	78.5	167.2	229.4	328.9	407.0
SG11	-13.9	115.4	262.9	420.0	585.7	703.7
SG12	41.6	223.5	344.8	499.3	602.6	779.6
SG13	-17.7	71.2	171.6	223.1	320.4	398.5

Table B-30. CP3, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.66	1.36	2.04	2.79	3.40
SG14	-3.9	80.3	178.1	232.7	333.2	410.5
SG15	-24.0	86.0	218.5	366.2	524.1	628.9
SG16	12517.6	12676.2	12760.1	12967.7	13050.8	13203.9
SG17	7.3	94.0	192.7	215.9	307.8	387.1
SG18	-5.6	84.6	187.6	251.0	354.9	441.9
SG19	-25.9	94.1	231.2	388.3	548.3	668.3
SG20	50.3	243.9	380.8	537.2	659.6	836.6
SG21	172.7	250.6	333.7	426.0	527.9	622.3
SG22	-5.8	65.0	151.5	237.3	337.2	429.5
SG23	-18.6	93.5	232.9	376.6	536.2	646.3
SG24	48.9	288.9	464.6	583.5	693.7	873.5
SG25	43.9	588.9	1070.7	1426.2	1889.1	2356.7
SG26	21.6	224.9	417.7	550.0	743.6	919.3
SG27	-0.4	184.1	351.5	468.8	642.7	796.5
SG28	-37.1	122.6	292.6	402.3	581.4	712.5
SG29	34.0	248.5	485.8	652.2	909.7	1091.5
SG30	-91.2	360.4	858.7	1234.4	1789.3	2167.7
SG31	118.5	247.1	374.5	459.5	589.1	705.9
SG32	1382.4	1569.5	2084.9	2218.0	2403.2	2578.4
SG33	21.9	405.0	759.7	1015.4	1356.1	1698.5
SG34	-18.2	16.8	75.6	141.7	201.5	243.6
SG35	-13.9	65.7	131.7	214.8	250.8	348.1
SG36	-12.5	99.8	234.3	369.2	514.2	616.9
SG37	57.1	383.3	607.3	869.5	1032.0	1354.1
SG38	-7.3	52.2	115.3	178.5	259.0	321.7
SG39	2.1	79.2	158.8	240.5	339.3	431.4
SG40	1.4	72.6	148.5	243.9	340.1	430.7

Table B-31. CP3, Load Condition C, Run 3

% Load	0	20	40	60	80	100
Pressure	3.42	3.41	3.39	3.38	3.43	3.43
Hoop-1	4014.7	4033.7	4011.1	4066.3	4020.3	4025.4
Hoop-2	4015.7	4037.3	4033.5	4016.5	4018.2	4006.9
Hoop-3	4080.2	4044.2	3989.0	4049.3	4057.8	4039.4
Hoop-4	4029.9	4033.2	4072.6	4005.9	4004.3	4011.3
Hoop-5	4129.5	4023.4	4053.1	4033.7	4062.2	4042.0
Hoop-6	4018.2	4031.0	4022.6	4030.2	3993.6	4036.9
Hoop-7	4052.2	4027.1	4033.0	4034.2	4038.9	4040.8
Hoop-8	4179.3	4369.3	4339.6	4317.6	4332.0	4202.2
Hoop-9	4034.0	4031.5	4016.4	4008.4	4083.4	4215.6
Hoop-10	4015.3	4023.4	4031.7	4039.9	4016.8	4030.2
Hoop-11	4021.5	4039.6	4043.6	4022.3	4024.6	4037.2
Hoop-12	4015.2	4021.6	4052.8	4132.4	4045.6	4151.2
Hoop-13	4008.3	3989.9	4008.3	4044.4	4008.3	4014.2

Table B-31. CP3, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	3.42	3.41	3.39	3.38	3.43	3.43
Hoop-14	4021.5	4039.7	4027.8	4035.0	4027.8	4040.5
Long-1	208.2	803.2	1788.0	2365.3	3501.3	4200.8
Long-2	347.4	802.9	1678.1	2337.9	3204.3	4239.3
Long-3	194.3	991.7	1819.7	2671.2	3315.7	4146.3
Long-4	95.9	898.1	1618.7	2516.8	3267.4	4308.9
Long-5	535.7	961.5	1879.8	2635.1	3171.3	4033.5
Long-6	421.6	905.7	1518.1	2796.4	3426.7	4332.9
Long-7	106.0	758.3	1781.5	2371.9	3398.7	4256.9
Long-8	112.4	1116.0	1944.5	2278.6	3460.8	4275.2
Radial-1R	-33.7	-34.7	-34.7	-32.9	-31.0	-29.7
Radial-2R	321.0	132.1	386.6	363.2	285.5	350.6
Radial-3R	-22.5	-21.7	-21.4	-16.0	-8.2	-3.6
Radial-4R	1191.5	657.7	1005.4	756.0	465.2	717.5
Radial-5R	-39.1	-43.2	-41.8	-44.1	-38.6	-41.0
Radial-6R	-14.0	-15.2	-11.8	-18.4	-12.3	-31.2
Radial-7R	-76.5	-70.8	-55.5	-49.3	-18.4	-16.3
Radial-8R	-87.6	-89.1	-88.9	-80.2	-70.3	-69.2
Radial-9R	-44.3	-43.1	-33.9	-22.1	2.2	9.1
Radial-10R	-67.3	-64.5	-58.3	-51.8	-32.4	-28.4
SG01	-541.3	-401.8	-205.2	-43.1	171.1	371.3
SG02	-474.6	-342.6	-159.4	-6.4	193.1	380.7
SG03	1044.4	990.0	912.1	851.3	782.7	707.6
SG04	1271.0	1207.3	1095.2	995.6	856.9	754.7
SG05	-683.7	-522.9	-303.0	-98.1	137.7	376.8
SG06	-540.7	-395.7	-201.6	-21.5	184.6	395.8
SG07	959.0	890.7	807.4	736.5	681.5	592.4
SG08	1444.1	1371.4	1245.5	1104.9	948.6	816.0
SG09	-608.2	-462.5	-271.1	-79.2	114.6	332.9
SG10	-452.8	-319.7	-146.4	25.6	200.9	396.9
SG11	1059.7	998.9	921.7	845.4	787.1	701.0
SG12	1296.6	1234.7	1139.7	1022.5	921.4	810.6
SG13	-479.4	-341.1	-160.3	11.8	201.2	394.4
SG14	-586.0	-431.0	-226.0	-28.8	182.9	403.3
SG15	957.8	899.5	824.2	756.6	699.0	621.2
SG16	13675.2	13580.6	13446.0	13294.5	13155.0	13006.0
SG17	-596.6	-444.1	-232.6	-42.0	171.7	377.3
SG18	-476.0	-332.1	-141.1	42.1	244.2	441.5
SG19	948.2	893.8	831.1	768.1	719.6	656.8
SG20	1249.3	1202.2	1123.0	1027.5	942.7	860.8
SG21	-361.6	-218.9	-19.1	193.0	394.7	603.9
SG22	-510.8	-373.8	-182.9	18.8	211.8	412.9
SG23	1032.1	973.3	889.4	800.9	735.8	649.6
SG24	1439.1	1376.9	1268.0	1134.4	1019.1	905.9
SG25	-475.8	12.2	614.5	1146.6	1787.8	2400.5
SG26	-542.0	-297.5	11.9	289.9	627.7	945.4

Table B-31. CP3, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	3.42	3.41	3.39	3.38	3.43	3.43
SG27	-533.3	-310.6	-29.8	218.9	524.8	810.7
SG28	-675.6	-452.3	-160.4	109.1	429.3	721.6
SG29	-647.3	-368.2	-3.1	326.7	731.7	1097.1
SG30	-942.1	-452.2	192.6	790.8	1526.7	2178.9
SG31	-383.6	-209.5	18.2	229.4	473.9	710.5
SG32	1765.8	1990.0	2279.1	2544.1	2852.9	3152.6
SG33	-538.8	-169.5	303.5	731.9	1236.3	1723.4
SG34	734.6	635.0	528.9	420.9	351.0	247.6
SG35	1038.5	930.4	791.2	634.6	515.8	381.9
SG36	1087.5	1009.0	910.1	808.1	731.5	619.1
SG37	2519.4	2376.0	2165.4	1898.9	1674.5	1420.0
SG38	-397.7	-292.1	-157.5	-7.1	124.3	289.0
SG39	-334.1	-214.0	-63.1	98.3	243.7	418.1
SG40	-194.6	-104.7	12.0	150.7	263.8	407.4

Table B-32. CP4, Load Condition A, Run 1

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.39	2.05	2.71	3.39
Hoop-1	10.7	809.4	1609.9	2428.1	3220.4	4024.1
Hoop-2	47.8	753.4	1648.1	2401.3	3182.7	4013.7
Hoop-3	146.1	809.9	1624.6	2405.5	3245.7	4087.3
Hoop-4	-25.5	811.0	1594.7	2398.3	3219.7	4020.3
Hoop-5	-8.8	756.2	1644.5	2419.5	3261.0	4041.6
Hoop-6	7.2	797.1	1617.2	2420.1	3233.6	4030.2
Hoop-7	51.1	807.0	1610.4	2415.1	3222.2	4030.7
Hoop-8	-10.7	789.2	1582.0	2416.3	3223.0	4022.4
Hoop-9	-16.4	794.1	1653.9	2422.6	3239.5	4074.1
Hoop-10	-14.2	798.6	1627.8	2423.6	3219.6	4028.5
Hoop-11	-16.0	798.4	1669.9	2379.2	3227.1	4018.9
Hoop-12	-18.1	922.7	1680.0	2576.7	3263.6	4025.7
Hoop-13	-10.0	796.0	1614.9	2413.9	3186.7	4058.1
Hoop-14	-24.6	789.4	1624.3	2409.9	3279.9	4037.2
Long-1	-69.0	-12.2	-49.7	45.7	29.8	37.7
Long-2	-79.6	-97.2	86.4	-41.9	-0.7	16.9
Long-3	-8.3	20.5	4.4	9.0	13.6	38.9
Long-4	122.9	150.5	164.8	181.6	190.0	219.9
Long-5	533.4	417.2	520.5	576.8	648.4	701.3
Long-6	108.0	164.7	222.6	262.8	320.7	386.9
Long-7	-10.7	2.5	21.7	34.9	39.7	38.5
Long-8	42.0	15.9	15.9	-0.7	30.1	15.9
Radial-1R	-6.6	-9.1	-3.3	18.7	20.2	26.9
Radial-2R	274.2	341.6	-98.5	141.9	595.5	429.6
Radial-3R	-18.7	-39.1	-46.6	-47.7	-51.6	-52.7
Radial-4R	342.9	37.8	121.4	-231.8	197.9	255.6

Table B-32. CP4, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.39	2.05	2.71	3.39
Radial-5R	-29.7	-36.3	-32.8	-29.8	-25.1	-26.7
Radial-6R	-92.9	-106.4	-96.0	-81.7	-89.0	-77.6
Radial-7R	-25.3	-36.0	-35.8	-36.3	-37.1	-37.4
Radial-8R	-16.1	-13.1	-10.8	-2.7	-1.2	15.9
Radial-9R	-9.0	-12.1	-11.4	-10.8	-11.7	-12.4
Radial-10R	-26.9	-27.9	-26.7	-26.9	-27.3	-29.4
SG01	23.7	-83.7	-194.4	-309.2	-410.5	-519.5
SG02	19.6	-86.0	-192.7	-301.9	-404.1	-507.5
SG03	29.2	218.6	429.5	638.5	830.4	1036.7
SG04	-83.9	175.6	401.0	603.0	822.5	1035.0
SG05	45.4	-82.1	-201.5	-323.3	-433.3	-548.2
SG06	35.2	-75.5	-182.8	-293.2	-397.5	-495.9
SG07	63.6	229.5	453.0	694.0	892.2	1117.7
SG08	-140.7	184.2	424.8	614.9	856.7	1068.1
SG09	37.4	-60.0	-155.7	-256.3	-344.1	-432.9
SG10	38.4	-59.1	-155.8	-258.2	-347.9	-438.7
SG11	37.9	223.8	432.8	644.7	837.7	1036.6
SG12	-117.4	142.5	364.5	557.8	768.4	974.5
SG13	29.1	-68.5	-181.3	-309.3	-411.9	-516.9
SG14	27.4	-63.7	-158.0	-260.1	-345.3	-434.1
SG15	50.3	242.1	464.6	694.6	895.9	1106.9
SG16	-116.6	121.4	339.4	542.4	748.3	956.9
SG17	-475.0	-581.4	-702.6	-841.9	-972.9	-1088.9
SG18	6.7	-68.8	-157.6	-261.9	-347.8	-431.4
SG19	-24.3	150.9	357.7	558.7	745.4	943.5
SG20	-98.4	139.0	365.9	583.7	808.1	1027.8
SG21	0.7	-104.8	-223.0	-350.5	-463.8	-581.2
SG22	-7.3	-100.9	-202.1	-309.3	-406.7	-505.9
SG23	78.4	290.3	525.7	761.6	978.6	1203.6
SG24	-127.1	112.1	346.6	564.4	794.3	1017.9
SG25	-29.3	-69.9	-176.9	-333.2	-429.6	-526.4
SG26	42.3	-23.5	-122.3	-248.7	-343.0	-432.8
SG27	10.3	-76.7	-190.4	-325.3	-433.1	-539.6
SG28	36.6	-63.7	-185.2	-329.9	-449.4	-561.9
SG29	62.5	-29.2	-139.8	-275.0	-384.9	-484.4
SG30	209.0	83.0	-63.0	-254.1	-402.0	-522.1
SG31	12.1	-93.5	-221.3	-359.2	-481.2	-596.8
SG32	-19.7	-102.5	-214.6	-342.4	-448.5	-549.6
SG33	-32.9	-72.9	-179.9	-329.2	-424.7	-519.4
SG34	16.0	189.4	374.2	563.1	737.1	918.8
SG35	-93.3	149.8	334.7	473.8	643.7	806.0
SG36	-393.4	-208.1	72.9	377.0	771.1	664.8
SG37	-190.7	422.9	877.9	1220.1	1653.6	2057.8
SG38	11.2	-55.4	-122.2	-192.6	-253.2	-313.7
SG39	37.7	-20.7	-83.0	-155.7	-218.7	-282.6
SG40	-4.2	-69.4	-118.2	-179.6	-233.2	-283.4

Table B-33. CP4, Load Condition A, Run 2

% Load	0	20	40	60	80	100
Pressure	-0.03	0.69	1.36	2.03	2.73	3.40
Hoop-1	-14.7	812.0	1618.7	2420.5	3235.9	4056.0
Hoop-2	-62.8	749.0	1674.1	2468.7	3222.5	3993.2
Hoop-3	-1.4	833.6	1600.3	2419.5	3202.4	4075.6
Hoop-4	-8.0	802.6	1613.2	2423.9	3221.2	4028.5
Hoop-5	63.5	857.7	1525.3	2362.9	3237.2	4031.6
Hoop-6	-63.2	799.9	1592.9	2417.7	3229.4	4017.4
Hoop-7	-3.0	812.4	1613.7	2427.3	3214.9	4040.9
Hoop-8	1.8	794.5	1601.5	2422.2	3228.9	4029.2
Hoop-9	-37.8	754.2	1601.0	2409.7	3233.3	4075.4
Hoop-10	-4.5	832.9	1605.9	2421.9	3219.7	4032.8
Hoop-11	-0.9	835.1	1622.5	2435.1	3218.9	4055.5
Hoop-12	3.7	685.5	1601.0	2447.5	3252.1	4033.5
Hoop-13	-25.4	826.5	1592.9	2438.4	3224.5	4010.9
Hoop-14	-13.8	792.9	1607.0	2414.0	3234.9	4028.2
Long-1	53.8	106.0	152.5	216.1	192.3	227.5
Long-2	246.6	352.5	497.3	612.7	650.4	768.0
Long-3	-9.3	2.2	35.6	132.3	108.1	166.8
Long-4	301.7	240.5	361.6	409.6	328.1	347.2
Long-5	658.6	886.2	1062.5	1297.5	1431.4	1611.0
Long-6	30.3	0.7	72.8	141.4	83.5	166.2
Long-7	10.1	133.6	36.5	55.7	78.5	121.7
Long-8	31.1	46.5	89.3	115.4	47.7	78.6
Radial-1R	-28.0	-26.7	-27.5	-26.7	-26.2	-26.2
Radial-2R	372.5	698.4	-45.8	341.0	153.1	250.0
Radial-3R	-75.1	-69.8	-70.2	-68.4	-58.9	-61.1
Radial-4R	150.9	13.5	126.2	244.2	-3.2	-49.6
Radial-5R	-37.6	-34.4	-34.7	-29.4	-30.5	-31.2
Radial-6R	-234.4	-214.5	-214.8	-204.9	-170.1	-158.3
Radial-7R	-72.8	-72.2	-71.8	-73.4	-69.2	-66.5
Radial-8R	-36.3	-31.2	-29.8	-27.5	-22.3	-18.4
Radial-9R	-18.3	-16.3	-19.4	-16.8	-16.8	-14.4
Radial-10R	-51.7	-38.3	-37.7	-35.8	-31.5	-30.4
SG01	-25.9	-100.9	-195.5	-282.1	-413.8	-516.5
SG02	-3.3	-92.8	-189.1	-278.1	-406.7	-504.8
SG03	-88.2	170.0	394.8	609.7	871.5	1075.2
SG04	56.1	236.2	435.8	624.2	792.0	999.7
SG05	-60.0	-130.2	-222.9	-307.8	-434.4	-538.8
SG06	-27.3	-102.6	-189.0	-269.6	-386.0	-479.4
SG07	-180.6	111.0	373.0	627.9	973.1	1193.8
SG08	178.9	346.9	528.7	692.4	783.3	989.8
SG09	-6.5	-76.1	-148.7	-219.8	-331.3	-408.8
SG10	12.8	-66.6	-144.9	-221.1	-335.6	-417.8
SG11	-86.8	153.7	373.0	588.6	853.8	1050.5
SG12	65.3	265.3	452.6	631.4	793.4	986.7
SG13	-9.6	-89.9	-168.2	-254.2	-391.4	-485.8

Table B-33. CP4, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.69	1.36	2.03	2.73	3.40
SG14	3.4	-67.7	-137.5	-208.0	-318.9	-398.8
SG15	-102.2	155.4	386.5	615.3	901.9	1111.4
SG16	80.9	269.0	444.3	622.1	791.1	986.8
SG17	325.1	257.1	182.2	99.1	-29.6	-136.0
SG18	4.9	-60.3	-121.8	-188.3	-292.8	-372.7
SG19	-107.6	156.6	377.8	596.0	854.4	1047.1
SG20	77.8	279.7	466.7	660.6	840.4	1052.2
SG21	-2.4	-94.5	-182.5	-272.4	-403.7	-509.9
SG22	12.8	-75.2	-155.2	-234.1	-347.1	-437.9
SG23	-97.0	187.1	437.5	678.7	969.8	1194.9
SG24	59.6	260.0	449.2	643.9	828.2	1043.7
SG25	74.1	36.2	-18.9	-85.7	-304.5	-394.0
SG26	35.2	-16.4	-76.3	-143.6	-295.5	-385.4
SG27	5.2	-65.3	-141.2	-223.6	-374.9	-475.2
SG28	-95.0	-125.8	-177.1	-243.5	-373.1	-474.9
SG29	-138.4	-129.1	-150.7	-190.6	-295.5	-382.2
SG30	-338.5	-208.6	-153.6	-137.9	-231.7	-326.6
SG31	-6.1	-89.9	-181.9	-274.6	-433.8	-544.1
SG32	8.0	-58.7	-134.3	-212.8	-374.2	-469.3
SG33	69.2	28.2	-28.4	-92.5	-318.4	-403.8
SG34	-99.3	120.3	322.4	513.3	752.2	927.3
SG35	16.0	186.5	355.9	497.0	612.9	771.3
SG36	-70.4	185.7	425.1	646.6	903.4	1108.5
SG37	96.0	514.5	930.9	1277.4	1530.5	1919.6
SG38	59.0	-9.1	-63.2	-121.6	-210.1	-260.5
SG39	69.9	2.4	-50.8	-110.7	-192.9	-250.1
SG40	48.6	-19.5	-67.0	-117.3	-176.9	-222.4

Table B-34. CP4, Load Condition A, Run 3

% Load	0	20	40	60	80	100
Pressure	0.00	0.69	1.38	2.03	2.73	3.38
Hoop-1	-8.1	828.5	1600.8	2412.0	3214.0	4034.8
Hoop-2	47.0	887.9	1636.7	2422.2	3253.1	4050.3
Hoop-3	27.2	804.9	1595.9	2430.3	3229.1	4041.1
Hoop-4	26.1	799.1	1572.6	2374.1	3222.6	4023.7
Hoop-5	21.9	876.7	1617.6	2459.8	3235.2	3990.3
Hoop-6	-9.8	804.9	1594.9	2414.1	3239.1	4029.5
Hoop-7	-15.3	803.5	1610.5	2414.8	3219.8	4039.5
Hoop-8	22.7	766.8	1608.4	2421.9	3221.7	4029.2
Hoop-9	-27.9	836.9	1627.5	2414.4	3219.7	4034.1
Hoop-10	5.4	814.7	1614.2	2416.7	3231.0	4042.7
Hoop-11	-6.0	891.0	1625.9	2402.7	3218.6	4052.1
Hoop-12	13.7	628.4	1481.7	2462.4	3295.4	4033.5
Hoop-13	-25.4	813.4	1632.5	2425.0	3230.8	4017.5

Table B-34. CP4, Load Condition A, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.69	1.38	2.03	2.73	3.38
Hoop-14	-6.8	807.1	1607.0	2413.7	3213.6	4021.2
Long-1	61.7	180.9	239.9	275.1	287.6	317.1
Long-2	449.1	523.2	611.4	718.5	775.1	860.9
Long-3	1.0	3.3	9.1	20.6	36.7	89.7
Long-4	114.8	187.8	250.1	313.6	360.4	389.1
Long-5	618.6	914.4	1151.5	1303.1	1505.3	1663.6
Long-6	16.1	-37.1	16.1	51.6	102.4	153.2
Long-7	-12.7	157.6	-16.3	146.8	-11.5	1.7
Long-8	185.5	109.4	45.3	58.4	84.5	115.4
Radial-1R	-27.5	-27.7	-26.3	-26.4	-24.8	-25.4
Radial-2R	102.0	10.1	269.1	146.7	149.0	174.8
Radial-3R	-78.7	-73.9	-71.1	-70.8	-62.1	-63.1
Radial-4R	-272.2	91.1	104.6	388.1	38.8	15.7
Radial-5R	-37.9	-32.4	-31.0	-30.6	-27.9	-28.8
Radial-6R	-240.1	-228.6	-217.7	-209.6	-194.0	-172.7
Radial-7R	-80.9	-78.8	-79.7	-78.8	-74.6	-72.3
Radial-8R	-36.1	-33.2	-30.2	-28.1	-21.9	-19.7
Radial-9R	-20.2	-19.4	-17.9	-17.6	-16.6	-17.2
Radial-10R	-55.7	-46.6	-41.9	-39.5	-35.3	-37.1
SG01	-34.6	-100.2	-197.9	-285.6	-413.8	-515.1
SG02	-6.3	-90.8	-194.0	-284.3	-407.7	-505.1
SG03	-110.7	154.9	398.8	609.2	864.6	1062.9
SG04	71.8	232.0	419.3	608.4	799.8	986.6
SG05	-85.6	-134.4	-221.4	-310.8	-434.5	-538.1
SG06	-44.5	-105.7	-191.2	-276.5	-388.7	-482.2
SG07	-222.4	87.8	385.9	631.6	952.0	1178.8
SG08	223.4	349.3	495.3	671.4	806.6	977.6
SG09	-27.1	-80.0	-152.8	-227.4	-327.6	-408.6
SG10	-2.4	-68.8	-151.0	-230.8	-335.7	-419.6
SG11	-107.6	137.1	378.0	589.8	843.5	1038.6
SG12	88.0	261.9	435.5	622.7	798.0	972.8
SG13	-27.8	-85.2	-168.8	-257.3	-384.2	-481.5
SG14	-12.8	-66.8	-140.1	-215.3	-318.1	-397.8
SG15	-124.7	133.4	390.0	615.5	890.0	1097.7
SG16	102.4	260.5	424.3	607.7	790.0	968.1
SG17	352.2	307.2	224.1	138.0	28.7	-81.3
SG18	-11.9	-54.9	-120.3	-192.1	-292.0	-369.8
SG19	-147.8	113.5	360.5	584.5	837.2	1035.5
SG20	101.7	274.5	447.9	643.6	839.1	1031.6
SG21	-30.6	-94.7	-175.9	-278.8	-398.5	-502.1
SG22	-8.7	-74.7	-153.0	-243.0	-347.2	-434.4
SG23	-117.4	164.7	437.1	679.7	960.3	1179.3
SG24	95.7	258.0	425.1	626.3	821.5	1018.9
SG25	63.5	61.8	-10.6	-95.2	-278.7	-385.9
SG26	44.9	17.2	-53.1	-133.9	-270.8	-363.6

Table B-34. CP4, Load Condition A, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.69	1.38	2.03	2.73	3.38
SG27	-11.6	-54.5	-134.1	-226.6	-365.2	-468.0
SG28	-139.0	-117.1	-157.1	-236.8	-361.3	-464.8
SG29	-194.0	-120.5	-124.2	-181.1	-282.7	-371.0
SG30	-460.7	-195.7	-89.2	-115.0	-206.9	-303.4
SG31	-20.4	-79.0	-171.6	-277.0	-423.7	-536.8
SG32	-3.7	-44.8	-125.5	-217.6	-360.7	-462.5
SG33	62.7	56.7	-16.7	-102.8	-286.6	-393.6
SG34	-113.4	109.9	325.1	511.8	739.9	914.9
SG35	33.5	189.6	339.1	496.1	627.5	761.4
SG36	-76.1	182.1	433.4	653.1	905.0	1106.1
SG37	143.8	518.3	884.1	1262.8	1567.7	1897.3
SG38	57.2	-10.2	-72.8	-131.2	-201.4	-255.6
SG39	59.6	-6.7	-67.9	-128.1	-197.1	-254.3
SG40	49.0	-24.5	-77.6	-128.1	-175.6	-221.1

Table B-35. CP4, Load Condition B, Run 1

% Load	0	20	40	60	80	100
Pressure	-0.06	0.03	-0.03	0.00	0.01	0.01
Hoop-1	-14.2	-12.6	208.2	-1.0	5.7	25.6
Hoop-2	1.5	23.8	30.6	39.2	63.3	46.1
Hoop-3	-1.6	22.2	52.4	12.7	-12.7	-31.7
Hoop-4	0.1	-11.9	-6.7	-6.7	10.3	22.3
Hoop-5	24.2	-15.7	3.4	-17.5	24.2	25.9
Hoop-6	30.6	-9.5	0.5	-1.1	-16.2	3.9
Hoop-7	-24.5	52.9	7.2	3.7	3.7	66.9
Hoop-8	-17.7	31.0	17.1	-3.8	10.1	3.2
Hoop-9	18.3	-6.5	1.8	-11.4	24.9	13.4
Hoop-10	-10.9	-5.9	-0.9	0.7	4.0	14.0
Hoop-11	34.7	-7.6	-9.3	-14.3	0.9	24.5
Hoop-12	23.9	-18.1	20.5	13.8	-6.3	-19.8
Hoop-13	-3.4	29.6	29.6	29.6	82.4	122.1
Hoop-14	73.6	-31.7	108.7	171.8	10.4	-10.6
Long-1	11.6	781.2	1689.5	2394.9	3276.2	4406.3
Long-2	178.1	759.4	1872.8	2745.2	3331.7	4150.3
Long-3	-53.2	1089.4	1499.4	2638.0	3238.0	4253.7
Long-4	80.9	743.3	1794.2	2537.4	3392.0	4328.4
Long-5	386.6	964.2	1634.9	2571.3	3424.3	4128.4
Long-6	93.8	707.0	1576.8	2575.8	3134.0	4261.9
Long-7	-45.4	807.0	1769.0	2516.5	3559.1	4225.3
Long-8	19.5	1300.7	1921.0	2763.4	3098.9	4221.9
Radial-1R	-19.1	23.3	-26.1	23.3	45.3	52.4
Radial-2R	189.5	486.6	345.4	485.8	351.2	179.9
Radial-3R	-46.4	21.6	-0.9	44.1	61.0	74.9
Radial-4R	587.7	163.4	-41.5	145.1	687.5	194.1

Table B-35. CP4, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.06	0.03	-0.03	0.00	0.01	0.01
Radial-5R	-37.2	-29.3	-31.0	-26.5	-24.7	-23.1
Radial-6R	-108.9	-83.6	-96.1	-80.9	-74.8	-67.5
Radial-7R	-34.7	2.6	-5.0	24.8	50.0	79.5
Radial-8R	-24.7	-6.0	-21.5	-7.7	6.2	28.9
Radial-9R	-13.5	-5.8	-4.3	-0.1	12.3	47.3
Radial-10R	-30.3	-13.2	-18.7	26.9	51.9	84.4
SG01	11.1	239.3	439.4	655.6	828.0	1065.3
SG02	12.4	220.6	411.3	615.3	779.6	1003.5
SG03	8.8	-34.1	-128.3	-195.7	-255.5	-340.4
SG04	-36.0	-204.0	-299.1	-432.2	-534.5	-666.1
SG05	16.7	235.4	451.0	687.8	878.4	1125.2
SG06	16.4	207.1	397.4	609.8	780.7	1003.1
SG07	4.2	22.0	-94.8	-140.2	-194.6	-265.5
SG08	-35.6	-265.4	-365.8	-555.4	-693.3	-868.4
SG09	19.1	184.9	368.6	579.2	747.9	958.6
SG10	28.2	186.1	365.4	567.6	730.6	936.1
SG11	17.0	-5.9	-96.6	-158.5	-220.9	-294.6
SG12	-60.4	-197.9	-292.7	-434.8	-541.4	-678.8
SG13	20.7	204.5	403.7	623.7	798.6	1022.0
SG14	19.8	185.1	364.2	557.5	714.9	916.1
SG15	24.0	-6.3	-113.6	-181.1	-250.0	-335.8
SG16	-71.3	-209.1	-299.0	-435.8	-537.4	-666.7
SG17	-455.6	-270.0	-63.4	141.7	299.7	528.7
SG18	11.8	178.1	360.1	557.1	717.2	924.4
SG19	-50.1	-53.0	-139.1	-182.2	-225.3	-285.6
SG20	-69.0	-180.6	-233.6	-345.1	-422.2	-519.3
SG21	8.1	207.7	408.8	630.1	814.4	1057.7
SG22	0.7	178.8	354.0	556.8	722.1	938.1
SG23	54.3	14.1	-102.1	-171.3	-246.3	-343.8
SG24	-106.0	-271.8	-330.9	-501.5	-615.9	-762.4
SG25	-5.1	390.7	870.7	1348.2	1744.2	2269.9
SG26	43.8	303.4	594.4	895.8	1139.9	1462.2
SG27	17.0	248.1	503.2	776.0	996.8	1286.9
SG28	25.8	329.2	613.9	943.1	1199.2	1539.5
SG29	40.9	407.4	732.0	1130.6	1429.9	1830.6
SG30	128.5	903.1	1541.6	2351.6	2975.8	3818.7
SG31	13.6	265.8	521.7	802.7	1026.4	1325.6
SG32	-14.0	261.0	552.4	860.4	1109.6	1443.8
SG33	-11.1	430.2	934.2	1440.3	1856.8	2417.6
SG34	-6.0	-42.4	-153.3	-255.2	-328.0	-436.0
SG35	-40.1	-155.3	-250.7	-385.5	-464.3	-598.8
SG36	-555.6	-466.6	-546.7	-598.7	-720.8	-741.4
SG37	-45.5	-331.7	-544.5	-855.3	-1079.6	-1380.2
SG38	-0.9	107.1	250.2	411.2	536.8	688.8
SG39	40.6	143.0	282.0	457.3	597.9	766.7
SG40	-27.2	32.7	145.1	278.2	380.1	500.0

Table B-36. CP4, Load Condition B, Run 2

% Load	0	20	40	60	80	100
Pressure	0.05	-0.03	0.03	-0.01	-0.03	0.04
Hoop-1	-4.7	93.2	16.9	11.9	6.9	23.5
Hoop-2	-40.5	-61.1	-14.7	-45.6	-28.5	11.0
Hoop-3	-1.4	-10.9	3.4	25.6	3.4	11.3
Hoop-4	48.3	-21.7	-6.3	5.6	34.6	58.5
Hoop-5	-33.6	34.0	63.5	-71.8	37.5	-45.8
Hoop-6	-6.4	-23.1	-6.4	-29.8	-11.4	28.6
Hoop-7	2.3	16.3	-17.0	-15.3	-1.2	-3.0
Hoop-8	-5.1	29.6	-32.9	50.5	1.8	1.8
Hoop-9	11.8	-1.4	0.2	-9.7	1.9	-21.3
Hoop-10	0.5	17.0	-2.9	-6.2	3.8	5.4
Hoop-11	70.0	32.9	10.9	43.0	2.5	43.0
Hoop-12	-40.0	-14.8	33.9	-46.7	65.8	-78.7
Hoop-13	1.0	67.0	7.6	1.0	20.8	-25.4
Hoop-14	-20.8	-13.8	0.2	-34.9	0.2	49.3
Long-1	104.8	733.7	1686.4	2409.1	3431.7	4279.4
Long-2	237.2	969.1	1777.8	2525.8	3376.4	4035.2
Long-3	73.5	849.2	1617.1	2508.6	3361.2	4392.1
Long-4	438.2	807.2	1956.4	2646.0	3564.7	4413.8
Long-5	788.8	788.7	1757.8	2397.4	3334.2	4462.5
Long-6	30.3	1112.6	1818.3	2322.5	3184.8	4372.2
Long-7	-4.3	672.0	1500.9	2363.9	3537.7	4352.9
Long-8	78.6	773.3	2115.7	3147.3	3637.7	4205.1
Radial-1R	-28.7	-28.9	-26.9	-28.4	-28.1	-26.7
Radial-2R	231.0	345.5	255.0	357.9	292.6	53.4
Radial-3R	-79.4	-75.8	-68.1	-70.8	-64.8	-48.0
Radial-4R	23.7	30.7	-98.6	146.6	343.4	-228.0
Radial-5R	-39.4	-39.1	-35.4	-36.7	-36.8	-34.8
Radial-6R	-237.5	-234.4	-227.4	-229.3	-232.2	-227.6
Radial-7R	-73.6	-70.4	-66.6	-68.7	-66.4	-66.7
Radial-8R	-36.4	-36.0	-33.3	-33.2	-33.3	-30.8
Radial-9R	-17.5	-17.5	-16.2	-17.2	-18.3	-15.1
Radial-10R	-53.5	-51.3	-41.1	-40.8	-39.7	-36.0
SG01	-35.7	128.0	380.9	574.7	792.5	1025.2
SG02	-9.4	148.1	376.5	561.1	769.3	981.2
SG03	-86.4	-156.5	-217.0	-297.0	-386.1	-446.3
SG04	67.9	-12.9	-170.2	-280.7	-402.2	-538.7
SG05	-67.4	92.2	358.4	545.7	778.2	1052.8
SG06	-33.1	112.7	337.1	502.5	713.1	952.1
SG07	-177.2	-261.8	-293.3	-362.7	-457.2	-499.3
SG08	185.4	112.4	-90.7	-219.9	-365.5	-581.3
SG09	-2.6	134.3	339.4	488.2	688.6	935.6
SG10	14.0	148.2	345.7	493.7	690.6	922.9
SG11	-87.8	-157.0	-202.4	-263.9	-349.2	-417.1
SG12	59.6	0.4	-135.1	-238.6	-355.8	-527.4
SG13	-4.2	141.5	362.9	525.9	735.3	984.7

Table B-36. CP4, Load Condition B, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.05	-0.03	0.03	-0.01	-0.03	0.04
SG14	5.0	134.7	335.3	485.0	673.2	892.5
SG15	-103.1	-180.6	-234.6	-302.7	-397.8	-468.2
SG16	73.9	10.6	-123.5	-222.4	-336.2	-495.0
SG17	302.7	450.2	688.3	850.8	1055.9	1295.4
SG18	6.3	138.2	343.8	492.6	683.9	900.3
SG19	-107.6	-162.2	-188.0	-234.0	-300.0	-334.5
SG20	72.0	27.0	-77.1	-152.7	-239.6	-358.8
SG21	3.2	143.9	375.4	553.0	763.1	1000.0
SG22	15.9	142.9	345.6	504.3	695.4	904.3
SG23	-97.6	-171.9	-232.3	-308.4	-406.5	-473.4
SG24	61.1	-7.5	-157.0	-266.5	-386.6	-546.8
SG25	60.7	415.9	912.9	1295.0	1766.6	2290.0
SG26	21.0	239.5	556.0	795.4	1086.5	1411.2
SG27	1.5	191.4	472.5	683.9	945.2	1242.4
SG28	-98.8	119.2	478.2	726.7	1024.7	1397.9
SG29	-142.8	107.1	534.9	825.6	1179.1	1621.7
SG30	-350.7	141.2	1033.3	1628.2	2327.2	3247.9
SG31	-14.0	188.8	480.7	709.6	973.6	1270.6
SG32	-0.2	227.2	549.9	805.6	1100.3	1428.7
SG33	55.1	441.5	972.8	1397.9	1894.0	2438.0
SG34	-98.8	-205.0	-275.8	-342.6	-447.7	-554.9
SG35	13.1	-35.6	-177.4	-265.8	-368.6	-526.8
SG36	-71.2	-146.2	-210.9	-283.8	-386.9	-483.4
SG37	96.4	8.8	-305.2	-530.1	-780.1	-1158.4
SG38	71.4	161.5	298.5	410.0	566.7	745.2
SG39	83.3	184.1	334.7	457.5	623.6	812.7
SG40	57.6	120.6	226.8	315.7	444.7	580.1

Table B-37. CP4, Load Condition B, Run 3

% Load	0	20	40	60	80	100
Pressure	-0.03	0.02	-0.04	0.04	-0.04	0.04
Hoop-1	-16.4	-4.7	-13.0	-9.7	-18.0	-3.1
Hoop-2	115.7	-16.5	-124.6	-1.0	7.6	-42.2
Hoop-3	-7.7	12.9	120.8	-6.2	-30.0	-17.3
Hoop-4	24.4	15.8	92.6	-50.7	15.8	0.5
Hoop-5	6.3	75.6	-4.2	6.3	-28.4	-31.9
Hoop-6	-6.4	18.6	20.3	105.4	150.5	82.1
Hoop-7	-6.5	-3.0	-57.5	-1.2	-1.2	178.0
Hoop-8	29.6	-19.0	-26.0	-39.9	22.7	50.5
Hoop-9	-27.9	79.6	91.2	-3.1	-37.8	25.0
Hoop-10	-21.1	5.4	18.7	-6.2	35.3	8.7
Hoop-11	-38.1	44.7	14.3	59.9	-12.7	12.6
Hoop-12	57.4	-6.4	-113.9	-55.1	-24.9	97.7
Hoop-13	-18.8	7.6	27.4	1.0	1.0	-5.6

Table B-37. CP4, Load Condition B, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.02	-0.04	0.04	-0.04	0.04
Hoop-14	0.2	-13.8	-48.9	-6.8	14.2	0.2
Long-1	17.4	1028.9	1603.3	2377.5	3343.6	4324.4
Long-2	440.8	757.3	1869.4	2714.4	3198.1	4020.7
Long-3	11.4	1077.1	1809.1	2642.3	3572.2	4268.5
Long-4	-31.4	767.7	1834.0	2216.2	3196.2	4437.4
Long-5	558.7	674.9	1916.1	2731.1	3476.8	4393.9
Long-6	111.8	1102.1	1521.6	2347.5	3422.9	4202.8
Long-7	24.5	1183.0	1588.3	2349.8	3346.3	4285.3
Long-8	-20.0	497.8	2141.6	2244.9	3323.4	4384.0
Radial-1R	-27.7	-27.2	-27.7	-27.5	-27.3	-26.5
Radial-2R	105.4	319.9	242.5	327.8	186.5	462.3
Radial-3R	-75.5	-74.4	-79.4	-70.4	-76.6	-66.5
Radial-4R	-140.1	108.4	-225.8	86.3	258.7	334.7
Radial-5R	-37.0	-38.9	-36.8	-36.0	-37.5	-36.8
Radial-6R	-239.8	-238.1	-236.3	-230.2	-236.9	-231.3
Radial-7R	-82.0	-87.7	-89.1	-81.7	-85.4	-79.7
Radial-8R	-35.7	-34.8	-35.2	-33.9	-35.9	-32.4
Radial-9R	-19.5	-18.7	-19.1	-19.0	-19.1	-17.4
Radial-10R	-51.5	-52.7	-56.5	-43.8	-48.8	-36.8
SG01	-55.4	150.9	334.2	532.6	761.7	1012.8
SG02	-22.9	165.3	350.5	520.6	744.8	976.4
SG03	-110.4	-154.2	-255.7	-291.1	-408.3	-474.0
SG04	85.3	-42.6	-128.2	-261.8	-368.0	-516.4
SG05	-100.8	124.3	293.4	527.3	745.2	1013.7
SG06	-57.0	133.8	293.2	488.5	690.0	923.9
SG07	-231.3	-255.1	-375.1	-372.3	-510.4	-550.4
SG08	246.8	68.1	7.8	-215.6	-312.8	-511.3
SG09	-23.7	150.0	309.5	492.9	679.4	906.7
SG10	-3.6	160.2	325.9	496.8	684.4	899.8
SG11	-118.6	-157.2	-250.0	-278.3	-381.6	-442.3
SG12	96.7	-11.5	-93.0	-247.8	-344.3	-491.2
SG13	-26.4	158.1	329.6	527.5	715.4	962.8
SG14	-16.9	147.0	310.0	478.5	654.2	869.8
SG15	-137.6	-180.6	-283.2	-316.1	-426.8	-495.5
SG16	107.6	-7.5	-77.9	-233.5	-319.3	-471.0
SG17	322.2	513.2	685.4	891.8	1077.8	1332.1
SG18	-15.8	152.8	313.2	490.9	660.1	881.1
SG19	-162.2	-179.4	-251.2	-265.6	-354.7	-383.3
SG20	106.3	12.8	-30.8	-165.7	-220.7	-342.2
SG21	-40.1	158.1	351.4	538.6	725.2	976.7
SG22	-19.9	151.2	328.7	489.7	665.5	883.2
SG23	-123.4	-171.3	-284.5	-316.6	-428.6	-497.0
SG24	116.4	-26.9	-108.3	-262.7	-357.4	-523.9
SG25	41.6	459.1	872.7	1285.2	1728.5	2272.4
SG26	22.5	287.4	539.6	805.0	1076.2	1414.2

Table B-37. CP4, Load Condition B, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.02	-0.04	0.04	-0.04	0.04
SG27	-22.4	215.3	434.7	679.7	915.7	1222.2
SG28	-153.5	158.0	382.1	719.2	965.8	1353.0
SG29	-215.0	156.7	410.0	814.7	1094.5	1562.9
SG30	-517.1	256.6	752.3	1608.0	2156.7	3113.1
SG31	-39.1	213.0	443.6	689.8	942.3	1253.4
SG32	-24.3	253.4	515.3	783.1	1068.2	1414.7
SG33	29.5	484.3	935.2	1366.2	1854.2	2430.4
SG34	-125.3	-198.0	-295.8	-362.8	-492.2	-557.7
SG35	54.2	-36.4	-119.2	-267.6	-370.4	-473.3
SG36	-86.8	-139.2	-241.5	-294.4	-414.9	-481.7
SG37	195.7	-9.2	-198.4	-544.3	-763.7	-1032.1
SG38	66.4	159.2	325.8	425.2	584.4	742.6
SG39	70.6	178.4	354.6	476.6	639.8	810.2
SG40	49.9	103.2	265.0	333.2	469.5	582.0

Table B-38. CP4, Load Condition C, Run 1

% Load	0	20	40	60	80	100
Pressure	0.02	0.68	1.36	2.05	2.68	3.41
Hoop-1	-12.6	811.0	1619.8	2429.7	3199.1	4001.2
Hoop-2	-41.5	777.5	1677.2	2427.1	3239.7	4010.6
Hoop-3	135.0	824.2	1611.9	2448.4	3204.8	4027.4
Hoop-4	-11.9	790.5	1639.1	2418.8	3180.8	4037.8
Hoop-5	-45.2	810.0	1608.1	2381.3	3315.1	4029.9
Hoop-6	94.1	810.5	1620.6	2415.1	3213.9	4039.0
Hoop-7	1.9	810.5	1601.6	2401.0	3243.6	4038.2
Hoop-8	-3.8	816.8	1644.6	2410.1	3237.9	4036.7
Hoop-9	61.3	856.7	1675.4	2448.1	3255.3	4015.0
Hoop-10	12.3	866.4	1727.3	2421.0	3232.2	4024.0
Hoop-11	-78.5	865.7	1718.9	2405.2	3260.2	4000.8
Hoop-12	92.7	791.4	1572.5	2441.4	3214.1	4173.8
Hoop-13	9.8	822.2	1595.1	2454.3	3214.1	3985.9
Hoop-14	-52.7	796.2	1617.3	2424.7	3231.8	4023.6
Long-1	-29.2	708.7	1546.3	2421.0	3418.1	4138.9
Long-2	-56.0	764.2	1747.9	2590.0	3552.9	4227.2
Long-3	67.7	927.4	1633.9	2464.3	3470.5	4363.5
Long-4	116.9	945.9	1657.4	2403.3	3269.9	4068.9
Long-5	241.0	852.8	1755.7	2794.5	3247.0	4090.0
Long-6	125.7	619.7	1453.8	2279.2	3364.4	4349.8
Long-7	-87.4	936.7	1511.0	2400.2	3267.7	3960.8
Long-8	112.1	1048.0	1467.1	2717.3	3499.1	3986.0
Radial-1R	33.5	9.8	38.5	48.4	57.8	104.4
Radial-2R	446.5	362.7	544.7	626.7	827.4	711.6
Radial-3R	-9.8	-14.0	-14.8	-8.5	2.5	34.5
Radial-4R	43.2	287.4	235.1	-130.4	662.2	-23.2

Table B-38. CP4, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.68	1.36	2.05	2.68	3.41
Radial-5R	-0.9	-10.7	-14.0	-10.3	-8.0	4.4
Radial-6R	59.2	43.7	49.5	67.9	73.0	99.4
Radial-7R	13.6	-2.5	-1.8	17.8	22.3	56.3
Radial-8R	78.0	72.3	78.5	91.7	88.6	136.9
Radial-9R	48.6	35.4	41.6	45.0	40.4	49.7
Radial-10R	42.9	42.6	47.1	50.9	44.4	58.3
SG01	26.6	117.9	160.0	295.7	382.1	470.1
SG02	26.7	107.6	147.5	272.6	355.7	432.8
SG03	31.4	151.1	299.6	410.9	534.2	678.9
SG04	-71.1	75.0	216.9	287.7	389.1	505.2
SG05	29.2	101.9	153.2	286.8	365.1	467.7
SG06	26.3	88.0	136.2	250.0	322.4	410.4
SG07	65.3	174.4	332.5	466.9	612.2	777.9
SG08	-105.7	74.5	206.2	274.2	363.5	442.8
SG09	12.6	75.2	143.9	250.6	317.4	417.5
SG10	27.4	83.0	144.5	243.5	310.4	398.5
SG11	40.9	171.2	312.6	442.3	579.1	723.9
SG12	-74.7	80.1	199.4	293.6	401.7	488.3
SG13	18.1	87.0	152.8	254.8	326.3	414.8
SG14	23.6	89.9	152.6	251.6	325.5	408.0
SG15	49.0	174.7	317.9	446.2	578.5	730.8
SG16	-82.7	56.4	171.5	271.7	379.5	476.4
SG17	-394.2	-311.2	-261.8	-203.4	-121.8	-54.4
SG18	15.9	94.4	167.5	269.4	356.8	443.3
SG19	-47.2	30.3	234.2	360.6	544.4	707.9
SG20	-79.4	95.7	243.6	388.6	529.6	666.7
SG21	15.8	93.1	166.9	251.4	344.6	432.8
SG22	11.5	81.6	150.8	232.1	322.0	404.5
SG23	67.4	198.5	348.7	491.9	621.1	776.0
SG24	-120.7	35.6	150.0	268.1	373.3	476.1
SG25	-34.6	319.4	609.4	990.8	1315.4	1654.8
SG26	36.3	212.9	360.3	560.9	730.7	907.8
SG27	11.9	140.3	250.2	405.4	532.4	666.3
SG28	33.2	187.2	321.9	510.6	658.6	828.1
SG29	55.0	260.2	446.3	696.4	895.8	1133.6
SG30	158.5	636.8	1092.8	1678.8	2166.4	2724.8
SG31	13.3	138.6	234.5	390.9	514.0	644.9
SG32	-16.2	159.8	295.6	497.4	663.1	837.0
SG33	-37.0	356.3	663.7	1079.7	1433.2	1803.6
SG34	25.5	130.3	221.4	307.1	398.4	490.4
SG35	-52.7	85.1	175.9	227.8	280.5	333.1
SG36	-532.4	-404.0	-184.9	-154.0	70.8	215.7
SG37	-88.8	262.4	514.7	664.4	864.5	1004.8
SG38	-23.9	30.5	112.1	196.2	257.7	333.9
SG39	26.2	68.5	147.2	234.7	307.8	384.4
SG40	-39.7	-7.7	61.5	127.5	180.8	231.1

Table B-39. CP4, Load Condition C, Run 2

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.36	2.04	2.73	3.40
Hoop-1	-28.0	803.8	1673.7	2376.2	3205.7	4034.0
Hoop-2	12.7	762.8	1555.8	2417.7	3237.6	4018.6
Hoop-3	-9.3	827.3	1600.5	2413.6	3248.1	4019.6
Hoop-4	32.9	807.8	1639.0	2432.9	3219.1	4063.9
Hoop-5	49.6	726.0	1631.3	2420.6	3219.6	4015.5
Hoop-6	0.3	733.2	1609.8	2413.1	3222.4	4040.4
Hoop-7	9.3	1269.4	1619.1	2413.7	3223.3	4031.7
Hoop-8	-5.1	843.3	1650.2	2408.0	3347.2	4062.3
Hoop-9	59.8	808.8	1652.3	2502.1	3203.5	4001.1
Hoop-10	43.6	876.1	1615.9	2430.0	3204.8	4077.6
Hoop-11	32.9	762.6	1609.0	2411.2	3332.1	4025.2
Hoop-12	-19.9	774.5	1512.0	2485.9	3253.7	4038.6
Hoop-13	40.6	806.8	1619.3	2471.2	3217.9	4009.3
Hoop-14	56.3	814.1	1635.1	2413.7	3213.9	4026.6
Long-1	76.5	691.8	1869.0	2647.1	3457.5	4196.6
Long-2	531.4	1025.8	1792.9	2287.7	3484.4	4442.4
Long-3	2.2	665.2	1723.9	2335.5	3486.3	4333.4
Long-4	153.1	804.9	1553.6	2573.7	3213.3	4070.0
Long-5	451.7	901.6	1485.1	2479.1	3239.9	4309.8
Long-6	-56.0	605.8	1898.5	2632.8	3443.3	4321.4
Long-7	-16.3	669.8	1978.0	2818.0	3641.7	4134.6
Long-8	523.9	847.1	1277.0	2705.1	3680.1	4295.4
Radial-1R	-28.7	-27.9	-27.7	-26.9	-27.3	-28.5
Radial-2R	196.7	100.8	229.7	649.5	362.4	386.8
Radial-3R	-67.8	-64.8	-57.8	-59.2	-56.7	-54.3
Radial-4R	148.3	66.3	153.7	141.8	297.6	138.6
Radial-5R	-34.9	-33.3	-34.0	-35.2	-35.3	-31.2
Radial-6R	-205.7	-199.1	-190.0	-198.7	-197.6	-193.4
Radial-7R	-50.9	-49.1	-44.0	-40.8	-59.0	-61.4
Radial-8R	-31.4	-28.9	-25.4	-23.2	-18.1	-11.6
Radial-9R	-13.6	-14.7	-10.0	-11.3	-10.1	-9.8
Radial-10R	-39.5	-39.1	-24.2	-28.4	-23.8	-22.1
SG01	28.2	65.0	184.9	306.8	409.8	470.6
SG02	28.3	58.2	163.9	277.3	373.1	433.1
SG03	1.3	163.9	312.9	423.9	543.1	674.7
SG04	-30.5	111.7	176.9	276.1	378.1	509.5
SG05	11.3	49.4	174.5	280.8	375.4	448.8
SG06	12.0	47.9	152.9	243.8	327.2	396.5
SG07	-11.4	156.4	370.2	500.6	638.2	778.5
SG08	11.0	161.5	156.3	261.9	361.2	469.3
SG09	16.4	73.7	165.3	245.8	329.6	411.6
SG10	20.1	67.1	154.0	230.8	311.1	389.5
SG11	-2.1	140.8	316.2	452.7	584.5	713.3
SG12	14.1	153.3	228.5	343.8	454.6	552.1
SG13	26.3	82.1	156.7	231.7	319.5	396.2

Table B-39. CP4, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.36	2.04	2.73	3.40
SG14	25.7	73.2	157.7	235.4	323.9	400.2
SG15	-10.9	139.7	324.3	460.9	588.7	718.6
SG16	12.6	136.1	220.3	339.9	448.9	553.0
SG17	355.9	397.8	476.4	536.2	635.8	714.5
SG18	36.9	89.1	177.9	256.7	357.3	442.4
SG19	-21.5	130.8	357.7	506.9	639.1	782.7
SG20	11.6	161.2	282.3	442.8	587.8	727.3
SG21	48.5	81.6	163.7	212.4	325.8	415.8
SG22	35.9	67.8	149.5	203.5	308.1	393.0
SG23	-6.8	177.2	365.3	521.9	646.4	777.2
SG24	-16.3	109.3	188.7	327.8	437.2	548.6
SG25	113.9	359.3	650.7	974.9	1340.3	1661.7
SG26	62.1	183.3	342.0	509.5	701.0	866.5
SG27	51.7	136.6	259.3	380.3	528.4	653.5
SG28	53.3	171.6	344.2	486.7	663.1	810.4
SG29	62.3	231.8	473.8	668.5	901.9	1106.9
SG30	131.7	556.6	1150.1	1624.3	2171.2	2647.7
SG31	53.3	123.3	247.1	372.1	514.6	632.0
SG32	60.7	168.0	326.2	496.1	684.3	844.9
SG33	115.0	375.9	696.0	1060.8	1454.2	1801.7
SG34	-2.1	101.7	201.2	291.3	383.7	460.3
SG35	-2.9	147.1	141.4	209.3	281.2	334.7
SG36	15.4	178.9	326.0	454.4	585.1	703.0
SG37	32.1	414.2	464.9	656.6	860.8	1020.7
SG38	3.0	60.4	129.5	194.7	274.1	357.4
SG39	43.0	97.9	176.0	246.1	326.2	413.3
SG40	-27.9	2.2	73.6	122.4	190.9	261.4

Table B-40. CP4, Load Condition C, Run 3

% Load	0	20	40	60	80	100
Pressure	-0.03	0.67	1.35	2.05	2.71	3.40
Hoop-1	20.2	800.4	1580.6	2413.9	3259.1	4034.8
Hoop-2	-59.4	762.8	1584.9	2367.5	3226.0	4043.4
Hoop-3	1.8	857.5	1621.0	2430.6	3213.5	4007.7
Hoop-4	3.9	823.1	1550.1	2406.8	3202.4	4018.6
Hoop-5	80.8	824.8	1601.6	2425.4	3233.8	4000.7
Hoop-6	-13.1	816.7	1608.0	2417.7	3224.4	4019.5
Hoop-7	7.6	814.2	1617.2	2434.3	3234.2	4030.7
Hoop-8	-5.1	822.5	1573.7	2477.8	3270.7	4042.3
Hoop-9	-4.7	789.1	1563.0	2381.6	3254.8	4000.2
Hoop-10	5.4	864.6	1612.6	2400.4	3276.1	4027.0
Hoop-11	-34.7	919.8	1588.7	2403.0	3240.9	4010.8
Hoop-12	7.0	608.3	1678.2	2565.1	3231.9	3965.5
Hoop-13	-5.6	826.7	1659.0	2412.0	3257.5	4076.2

Table B-40. CP4, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.67	1.35	2.05	2.71	3.40
Hoop-14	-13.8	807.1	1614.1	2421.0	3234.9	4027.4
Long-1	3.8	750.9	1835.1	2357.6	3206.6	4060.7
Long-2	383.1	692.8	1830.8	2793.8	3257.2	3996.7
Long-3	4.5	1010.6	1454.8	2371.2	3534.6	4397.2
Long-4	-5.0	946.4	1677.2	2699.5	3532.0	4299.2
Long-5	569.2	932.2	1719.0	2453.3	3177.7	4181.0
Long-6	-5.2	609.4	1494.5	2676.6	3430.3	4386.8
Long-7	-13.9	768.2	1684.4	2513.4	3591.3	4203.4
Long-8	21.5	1051.5	1488.5	2775.2	3813.1	4451.4
Radial-1R	-26.4	-26.9	-26.9	-26.2	-27.2	-10.1
Radial-2R	249.4	174.8	272.0	289.1	260.2	388.5
Radial-3R	-77.5	-76.5	-71.3	-65.5	-47.0	-42.7
Radial-4R	195.7	39.9	51.2	212.4	-26.9	87.4
Radial-5R	-37.6	-34.7	-32.0	-32.3	-31.6	-30.5
Radial-6R	-236.1	-222.2	-202.2	-198.7	-182.5	-173.5
Radial-7R	-83.1	-85.9	-73.8	-64.8	-61.1	-48.0
Radial-8R	-34.1	-32.2	-28.6	-25.2	-16.3	-12.0
Radial-9R	-17.4	-15.9	-16.0	-14.0	-10.5	-8.7
Radial-10R	-49.6	-46.9	-33.3	-25.9	-19.1	-17.6
SG01	-57.1	50.4	164.5	299.6	409.1	496.5
SG02	-23.4	53.5	147.0	268.6	368.4	449.4
SG03	-98.8	114.6	272.8	403.6	558.1	682.7
SG04	80.3	140.9	204.8	284.0	342.6	448.6
SG05	-102.3	12.3	147.0	276.3	385.5	482.3
SG06	-56.6	23.7	129.1	237.1	330.2	417.0
SG07	-208.9	51.7	274.1	453.7	673.5	811.3
SG08	233.1	259.7	251.1	292.3	285.7	374.8
SG09	-32.8	48.7	147.6	249.1	333.2	429.7
SG10	-8.2	54.4	139.8	233.4	309.5	399.5
SG11	-104.0	89.7	266.6	423.6	595.6	721.6
SG12	97.2	201.6	262.8	344.8	408.1	499.4
SG13	-33.8	54.1	149.6	243.9	320.7	406.8
SG14	-19.7	58.8	147.3	242.0	320.6	404.4
SG15	-121.0	81.4	265.8	426.0	605.1	734.9
SG16	105.8	191.4	251.9	337.1	402.4	501.5
SG17	315.5	409.8	511.7	607.5	695.8	773.6
SG18	-15.1	72.1	168.3	267.4	353.9	441.8
SG19	-153.6	50.3	291.6	452.5	639.1	785.6
SG20	100.3	218.6	316.9	442.6	539.5	676.0
SG21	-27.6	69.0	144.1	241.4	325.6	412.5
SG22	-11.6	64.1	131.0	222.4	307.2	391.3
SG23	-114.2	109.3	309.4	477.4	661.8	797.2
SG24	98.3	165.0	250.9	333.7	377.5	480.3
SG25	32.5	360.6	687.2	1034.4	1316.9	1644.3
SG26	15.0	193.1	372.7	556.8	710.8	880.7

Table B-40. CP4, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.67	1.35	2.05	2.71	3.40
SG27	-22.6	115.1	257.6	403.2	555.2	662.1
SG28	-146.2	93.0	311.1	505.7	681.0	835.0
SG29	-202.4	124.9	420.6	684.7	929.0	1144.9
SG30	-485.3	300.0	1013.5	1645.4	2251.4	2747.5
SG31	-37.5	97.3	237.1	386.2	515.2	638.0
SG32	-24.3	150.4	327.0	519.5	682.1	846.2
SG33	22.7	377.0	730.3	1119.4	1443.3	1793.3
SG34	-110.4	46.6	168.9	264.3	401.7	477.3
SG35	51.3	157.8	176.7	203.9	253.7	301.0
SG36	-74.2	131.2	293.6	437.9	602.4	717.7
SG37	190.1	459.3	538.7	665.8	769.9	917.7
SG38	50.7	79.5	134.1	208.9	261.3	353.0
SG39	66.6	103.4	171.4	252.3	313.3	406.5
SG40	37.7	34.2	75.0	131.6	162.5	236.9

Table B-41. CP5, Load Condition A, Run 1

% Load	0	20	40	60	80	100
Pressure	-0.03	0.70	1.39	2.04	2.74	3.41
Hoop-1	53.2	732.6	1681.1	2954.5	3981.4	4863.9
Hoop-2	-24.9	860.7	1542.0	2436.2	3277.5	4024.6
Hoop-3	628.4	831.7	1689.3	2436.2	3197.0	4039.4
Hoop-4	6.2	794.1	1660.9	2428.3	3212.5	4025.9
Hoop-5	10.1	792.4	1702.8	2401.7	3233.9	4035.0
Hoop-6	54.2	869.3	1703.5	2396.9	3361.3	4797.7
Hoop-7	22.5	913.6	1588.7	2435.5	3225.4	4034.6
Hoop-8	39.2	800.5	1710.9	2415.2	3219.7	4022.9
Hoop-9	-12.2	881.1	1575.5	2416.2	3223.5	4032.4
Hoop-10	729.7	814.4	1622.0	2430.9	3225.7	4032.7
Hoop-11	220.6	801.5	1647.2	2415.1	3223.8	4032.5
Hoop-12	56.8	863.1	1661.2	2381.4	3209.8	4004.6
Hoop-13	-2.9	820.5	1587.2	2442.0	3215.7	4025.8
Hoop-14	-15.8	816.3	1680.2	2432.2	3224.8	4048.1
Long-1	91.2	98.2	108.6	4.5	104.0	26.5
Long-2	-31.3	39.3	75.2	26.1	28.5	58.4
Long-3	57.8	134.0	123.0	107.5	113.0	115.2
Long-4	379.9	317.8	309.7	285.2	294.4	318.8
Long-5	633.0	644.8	614.9	411.3	393.1	380.3
Long-6	390.4	137.9	196.5	165.3	217.3	253.8
Long-7	-61.8	-8.7	30.9	126.0	180.3	179.0
Long-8	182.4	147.6	195.6	267.7	350.5	379.3
Radial-1R	-11.8	-11.3	-11.4	-10.5	-16.8	-9.6
Radial-2R	-498.5	-240.9	-534.4	-577.1	-613.6	-871.4
Radial-3R	3.4	17.3	16.8	44.9	45.9	43.0
Radial-4R	-153.5	-348.6	-522.8	-259.7	-359.4	-418.7

Table B-41. CP5, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.70	1.39	2.04	2.74	3.41
Radial-5R	-22.8	-14.2	-19.2	-7.1	10.4	17.4
Radial-6R	74.7	81.9	80.4	81.3	76.9	53.3
Radial-7R	83.4	86.6	88.2	86.3	84.0	90.0
Radial-8R	12.3	13.3	12.2	13.0	13.7	9.4
Radial-9R	-27.2	-28.4	-28.2	-28.4	-28.5	-27.4
Radial-10R	-71.9	-71.5	-70.7	-68.5	-69.3	-73.5
SG01	-74.0	-143.3	-263.9	-389.0	-519.0	-673.6
SG02	-50.8	-96.2	-179.4	-268.4	-356.8	-463.2
SG03	-284.7	-40.4	213.9	447.7	662.4	878.3
SG04	269.8	352.4	528.5	708.7	908.2	1139.4
SG05	-47.9	-121.5	-247.7	-366.5	-492.9	-647.3
SG06	497.4	538.2	690.7	810.9	947.3	1145.8
SG07	-787.2	-382.5	-66.6	243.6	552.6	826.6
SG08	-71.9	-108.5	-186.3	-263.4	-339.6	-439.8
SG09	14.6	-113.6	-270.8	-427.5	-582.6	-771.2
SG10	-7.6	-93.5	-209.3	-331.0	-441.1	-572.4
SG11	-371.8	-32.2	260.3	532.3	810.5	1088.7
SG12	281.1	393.4	582.8	740.0	913.7	1145.1
SG13	46.7	-6.7	-103.5	-193.2	-283.9	-389.1
SG14	-44.3	-123.9	-256.1	-369.3	-474.6	-599.0
SG15	-383.5	-70.7	194.0	423.1	665.3	904.6
SG16	221.2	339.3	562.2	738.1	930.9	1175.2
SG17	-25145.8	-25160.8	-25371.4	-25512.9	-25666.9	-25862.1
SG18	56.9	-15.6	-115.2	-269.7	-430.3	-603.5
SG19	-8.9	291.3	659.4	906.7	1190.0	1485.5
SG20	86.5	126.1	246.6	462.0	702.1	969.1
SG21	10.8	-61.1	-202.4	-349.4	-491.1	-631.4
SG22	-70.9	-124.3	-243.8	-364.0	-478.6	-596.6
SG23	-357.9	-45.0	270.2	503.5	772.6	1028.9
SG24	287.3	333.8	503.3	711.2	898.4	1094.1
SG25	952.9	1225.7	1767.1	2305.8	2855.1	3516.7
SG26	731.1	862.9	1185.2	1509.4	1839.7	2235.4
SG27	597.9	696.7	981.3	1267.4	1557.8	1910.0
SG28	-892.4	-351.5	67.8	466.5	874.8	1250.0
SG29	-1069.7	-388.5	140.2	641.0	1160.0	1629.5
SG30	-1948.3	-616.5	402.5	1360.8	2325.4	3214.8
SG31	754.1	865.3	1157.5	1413.7	1687.4	2042.8
SG32	645.7	767.3	1053.0	1306.1	1577.7	1930.8
SG33	1041.8	1322.7	1852.5	2329.0	2835.5	3475.9
SG34	-321.2	-59.3	149.9	383.3	605.1	822.2
SG35	110.4	224.5	371.8	498.8	643.9	829.5
SG36	-262.0	40.0	287.8	536.6	784.0	1035.7
SG37	456.5	631.4	884.9	1113.1	1362.4	1715.6
SG38	43.2	-57.2	-142.0	-225.4	-308.4	-410.6
SG39	57.9	-9.0	-86.8	-202.4	-283.4	-359.9

Table B-41. CP5, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.03	0.70	1.39	2.04	2.74	3.41
SG40	46.9	-24.6	-83.2	-149.1	-204.1	-249.5
SG42	-157.2	-147.6	-202.3	-254.2	-324.6	-407.0
SG43	-335.2	-149.6	43.6	218.7	382.0	548.6
SG44	-128.4	-234.3	-375.9	-532.2	-669.9	-832.9
SG45	-438.8	-41.1	281.3	588.4	888.0	1197.6

Table B-42. CP5, Load Condition A, Run 2

% Load	0	20	40	60	80	100
Pressure	-0.02	0.62	1.36	2.03	2.74	3.40
Hoop-1	216.4	761.5	1644.1	2919.5	3871.4	4552.6
Hoop-2	29.8	820.4	1607.8	2407.1	3216.4	4066.0
Hoop-3	468.2	787.3	1575.8	2421.2	3187.1	4009.4
Hoop-4	1.7	786.9	1539.2	2415.4	3281.9	4029.1
Hoop-5	8.2	846.4	1652.4	2421.9	3266.5	4024.7
Hoop-6	158.4	607.1	1577.8	2562.5	3891.3	5163.5
Hoop-7	33.5	884.9	1623.4	2433.0	3257.8	4034.1
Hoop-8	4.8	773.3	1541.8	2424.0	3327.6	4032.4
Hoop-9	-34.4	761.0	1613.5	2424.4	3292.3	4025.6
Hoop-10	333.7	742.9	1575.1	2415.0	3280.7	4033.7
Hoop-11	262.7	733.3	1546.7	2427.5	3259.6	4029.3
Hoop-12	153.2	819.8	1642.5	2427.2	3281.9	4072.6
Hoop-13	-11.8	780.3	1578.8	2389.5	3357.6	4062.1
Hoop-14	-1.0	871.2	1615.4	2431.4	3487.6	4016.1
Long-1	17.1	155.8	262.1	227.4	249.4	104.9
Long-2	26.1	121.7	181.5	143.3	195.9	173.2
Long-3	204.4	165.7	211.0	187.8	202.2	191.1
Long-4	406.0	380.6	414.2	368.4	361.2	345.9
Long-5	278.3	323.0	366.7	314.5	347.5	303.8
Long-6	308.4	329.3	329.3	369.6	459.3	485.4
Long-7	-22.8	0.7	79.7	173.5	177.2	114.2
Long-8	520.6	481.0	511.0	547.0	541.0	442.6
Radial-1R	10.7	-14.2	-1.6	-14.2	-15.0	-15.0
Radial-2R	-254.3	-297.3	-93.8	-189.6	217.9	-272.7
Radial-3R	47.5	12.1	35.4	30.5	12.5	10.2
Radial-4R	-489.7	-128.1	-259.6	-208.4	-72.6	-308.2
Radial-5R	53.2	-18.1	-0.3	3.6	-11.0	-5.9
Radial-6R	-28.2	-49.4	-40.8	-40.5	-39.2	-37.4
Radial-7R	119.5	82.8	82.4	83.6	82.4	83.8
Radial-8R	41.6	6.0	7.8	9.4	8.2	7.6
Radial-9R	#######	#######	#######	#######	#######	#######
Radial-10R	306.8	306.7	306.8	304.6	304.6	304.6
SG01	4.2	-77.6	-215.1	-348.7	-497.2	-647.2
SG02	7.8	-44.5	-137.6	-230.8	-334.4	-439.7
SG03	21.1	44.5	289.7	480.8	663.7	842.8

Table B-42. CP5, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.02	0.62	1.36	2.03	2.74	3.40
SG04	-6.6	271.5	471.4	713.5	977.6	1217.0
SG05	-12.2	-95.3	-222.4	-348.6	-493.5	-637.3
SG06	-45.5	400.9	576.8	811.1	1078.7	1303.4
SG07	79.6	-160.3	113.6	297.2	464.4	655.0
SG08	7.2	-69.2	-150.2	-237.9	-337.2	-436.1
SG09	1.8	-93.5	-248.8	-403.5	-581.2	-754.3
SG10	11.9	-73.4	-185.7	-305.8	-433.7	-558.7
SG11	39.3	83.8	353.6	580.5	816.8	1046.7
SG12	-40.6	302.0	503.0	734.8	1008.3	1245.6
SG13	-1.7	-13.8	-95.5	-183.5	-273.9	-364.6
SG14	1.6	-119.3	-232.7	-352.6	-477.6	-598.0
SG15	30.0	47.4	283.2	471.5	666.0	857.6
SG16	-17.8	289.7	501.0	739.3	1012.4	1249.6
SG17	54.4	-277.0	-439.3	-667.6	-903.4	-1111.2
SG18	-6.9	18.5	-101.3	-256.8	-408.6	-559.4
SG19	29.7	330.7	641.8	934.1	1235.4	1517.2
SG20	-5.4	32.7	191.2	445.6	712.8	946.5
SG21	12.5	-56.0	-186.5	-323.5	-459.5	-603.8
SG22	3.7	-93.9	-204.1	-329.4	-453.2	-577.2
SG23	25.2	83.7	344.4	560.8	781.2	1001.2
SG24	8.8	275.0	454.4	700.4	940.2	1146.1
SG25	17.1	936.1	1537.9	2270.9	3042.8	3719.6
SG26	21.3	609.2	967.2	1422.6	1901.2	2311.6
SG27	-6.8	534.4	849.6	1258.6	1689.3	2056.0
SG28	88.9	-133.4	243.9	505.9	756.7	1033.9
SG29	116.5	-128.2	350.2	686.5	1017.4	1366.8
SG30	236.1	-141.4	777.4	1439.9	2069.7	2739.1
SG31	-23.1	642.8	970.4	1382.5	1834.9	2219.0
SG32	-28.8	578.2	893.9	1286.3	1724.2	2101.0
SG33	-14.2	1004.0	1590.9	2289.3	3059.3	3731.9
SG34	37.4	61.4	271.9	455.0	627.2	799.5
SG35	-109.4	106.3	283.0	456.5	654.7	847.8
SG36	50.3	112.9	359.0	570.5	782.2	991.8
SG37	-111.2	438.7	755.2	1103.5	1516.4	1894.6
SG38	21.8	-26.4	-114.2	-189.2	-283.4	-383.4
SG39	18.8	-9.7	-92.6	-180.6	-247.9	-315.5
SG40	9.3	0.2	-51.6	-104.8	-145.3	-195.4
SG42	-61.0	-68.1	-126.7	-192.6	-270.9	-357.1
SG43	-38.0	-30.0	158.3	302.4	441.5	576.4
SG44	-20.1	-158.6	-290.2	-465.0	-624.9	-801.8
SG45	19.3	96.4	406.2	679.4	947.8	1222.5

Table B-43. CP5, Load Condition B, Run 1

% Load	0	20	40	60	80	100
Pressure	-0.05	0.01	0.00	0.03	-0.02	0.01
Hoop-1	89.5	171.2	204.0	274.8	274.8	363.8
Hoop-2	-65.3	21.2	-1.9	-14.8	11.1	-6.2
Hoop-3	538.3	625.7	576.0	648.5	623.0	652.6
Hoop-4	-23.7	-10.1	-3.3	-33.1	-7.4	-14.2
Hoop-5	2.1	-65.1	26.1	26.1	26.1	35.7
Hoop-6	11.4	1.1	20.0	-7.4	-29.7	-16.0
Hoop-7	9.2	42.3	4.8	-8.4	0.4	-17.2
Hoop-8	-10.6	25.0	39.2	-17.7	3.7	-10.6
Hoop-9	0.5	21.8	19.0	-30.7	4.8	19.0
Hoop-10	788.9	703.9	561.3	693.3	683.8	721.4
Hoop-11	-16.6	0.9	-4.1	16.0	9.7	3.4
Hoop-12	11.1	15.2	3.1	77.0	-10.4	-15.7
Hoop-13	-46.9	9.7	28.5	9.7	9.7	78.8
Hoop-14	-63.8	-7.8	120.2	-7.8	-23.8	-7.8
Long-1	153.7	706.4	1531.5	2364.5	3486.0	4051.0
Long-2	59.6	1125.5	1808.1	2341.0	3347.0	4024.9
Long-3	32.4	910.6	1524.3	2671.3	3479.8	4497.8
Long-4	308.7	880.5	1698.4	2429.7	3245.1	4311.8
Long-5	333.5	994.6	1749.0	2469.2	3425.7	4283.6
Long-6	331.9	912.5	1821.8	2440.6	3202.1	4249.5
Long-7	134.6	702.7	1444.5	2463.8	3353.1	4318.4
Long-8	259.3	743.1	1401.8	2584.7	3828.5	4253.1
Radial-1R	-10.9	-12.6	-11.1	-12.9	-10.6	-10.6
Radial-2R	-419.5	-581.8	-728.3	-620.7	-543.2	-482.3
Radial-3R	4.9	9.9	12.7	17.5	13.1	16.5
Radial-4R	-484.0	-207.4	-410.1	-251.0	-375.0	-390.1
Radial-5R	-21.7	-13.5	-11.1	-4.6	2.1	8.0
Radial-6R	60.7	60.8	62.6	65.0	69.9	69.6
Radial-7R	82.1	86.0	88.9	90.4	86.3	77.9
Radial-8R	8.8	9.6	9.5	11.0	11.9	17.9
Radial-9R	-27.8	-28.0	-28.2	-27.6	-27.4	-28.0
Radial-10R	-72.0	-71.2	-71.6	-73.6	-70.0	-71.7
SG01	-55.8	78.2	230.8	395.4	577.7	729.7
SG02	-32.8	83.9	221.4	374.6	543.0	686.4
SG03	-283.5	-309.3	-365.0	-403.9	-473.2	-504.8
SG04	240.0	165.8	88.7	2.5	-81.8	-169.3
SG05	-33.9	118.5	279.6	439.5	619.8	798.2
SG06	477.2	346.7	252.9	134.8	39.5	-107.7
SG07	-788.0	-740.7	-773.6	-756.3	-811.1	-782.9
SG08	-61.0	78.0	227.0	381.1	551.6	725.9
SG09	13.0	162.1	328.1	486.1	676.8	878.0
SG10	-8.0	125.8	278.5	426.9	603.7	792.6
SG11	-385.0	-393.1	-450.0	-483.9	-562.6	-605.7
SG12	277.6	156.9	68.2	-34.4	-131.9	-270.7
SG13	48.6	173.4	315.6	450.0	614.3	781.6

Table B-43. CP5, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.05	0.01	0.00	0.03	-0.02	0.01
SG14	-36.8	96.6	240.2	384.7	552.9	731.8
SG15	-396.4	-399.2	-449.0	-476.1	-546.5	-579.9
SG16	214.2	90.7	-13.4	-129.8	-248.0	-400.2
SG17	-25106.9	-24909.4	-24721.1	-24522.0	-24300.2	-24046.8
SG18	63.8	189.8	341.3	488.6	674.6	855.1
SG19	-37.6	-87.0	-164.8	-238.5	-339.3	-430.7
SG20	85.1	16.2	-55.9	-132.9	-222.4	-320.4
SG21	31.7	203.5	380.4	572.7	791.3	1022.3
SG22	-52.5	93.2	241.3	405.7	588.5	785.5
SG23	-384.2	-405.4	-470.1	-517.0	-605.6	-663.3
SG24	276.7	188.9	107.8	8.2	-83.0	-212.8
SG25	911.3	748.6	636.3	491.4	370.8	178.4
SG26	701.3	569.4	468.2	345.5	233.8	77.2
SG27	566.8	427.4	319.0	187.7	67.1	-98.8
SG28	-895.9	-811.7	-820.9	-771.0	-803.5	-740.4
SG29	-1074.4	-954.3	-949.0	-871.7	-893.9	-799.3
SG30	-1954.7	-1696.2	-1644.9	-1463.2	-1458.7	-1239.2
SG31	721.2	562.6	452.2	310.4	195.6	16.1
SG32	613.1	464.5	363.6	228.8	119.3	-45.7
SG33	990.7	790.4	666.7	491.3	356.8	138.9
SG34	-330.0	-368.3	-441.7	-473.5	-552.5	-614.6
SG35	131.3	14.6	-103.8	-204.7	-317.4	-466.0
SG36	-275.0	-306.1	-368.3	-401.9	-480.3	-534.8
SG37	461.2	188.7	-10.7	-214.7	-425.2	-711.4
SG38	19.3	117.7	249.4	371.6	530.2	701.1
SG39	42.9	132.6	257.8	368.8	514.1	665.0
SG40	8.8	75.4	179.8	272.6	398.3	530.3
SG42	-137.7	-13.1	126.1	265.8	432.4	570.7
SG43	-342.1	-369.2	-419.0	-453.2	-510.9	-543.5
SG44	-103.1	73.0	252.3	448.8	697.5	898.5
SG45	-455.9	-512.6	-603.4	-676.9	-806.6	-883.3

Table B-44. CP5, Load Condition B, Run 2

% Load	0	20	40	60	80	100
Pressure	0.02	0.21	-0.03	-0.01	0.01	-0.01
Hoop-1	312.7	198.3	221.9	298.2	281.8	269.1
Hoop-2	26.9	3.9	34.1	41.3	54.3	45.6
Hoop-3	625.7	540.9	518.0	566.5	456.0	559.7
Hoop-4	-11.9	4.4	-18.7	-1.1	-7.8	-2.4
Hoop-5	30.6	29.0	-9.4	6.6	1.8	6.6
Hoop-6	387.9	119.1	48.9	115.7	-0.8	95.1
Hoop-7	24.7	57.8	68.8	82.0	117.3	95.2
Hoop-8	12.0	-16.5	4.8	-2.3	-9.4	4.8
Hoop-9	3.9	-10.3	-23.0	-1.7	8.2	-31.6

Table B-44. CP5, Load Condition B, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.21	-0.03	-0.01	0.01	-0.01
Hoop-10	361.9	356.6	339.0	345.8	301.4	343.1
Hoop-11	506.1	228.8	99.5	442.1	90.7	210.0
Hoop-12	143.8	86.0	103.5	107.5	94.1	125.0
Hoop-13	25.9	0.8	13.3	13.3	101.4	69.9
Hoop-14	15.0	31.0	7.0	-17.0	15.0	-33.0
Long-1	61.0	674.6	1648.9	2572.1	3222.3	4099.7
Long-2	45.2	851.1	1548.2	2448.4	3558.7	4385.2
Long-3	229.8	959.5	1491.7	2647.4	3479.4	3932.3
Long-4	367.3	935.7	1687.6	2406.6	3521.7	4261.5
Long-5	202.6	1020.0	1632.9	2424.5	3598.5	4272.3
Long-6	326.7	804.1	1744.8	2617.5	3585.0	4074.5
Long-7	10.5	714.1	1496.8	2331.0	3131.7	4442.8
Long-8	493.0	845.7	1550.2	2881.9	3509.0	4121.3
Radial-1R	3.6	-8.0	-14.0	2.4	-15.6	-5.2
Radial-2R	-88.0	-230.8	-277.0	-142.4	246.5	2.8
Radial-3R	36.8	29.9	16.0	54.9	24.2	45.4
Radial-4R	187.7	-293.6	-361.5	-45.1	97.2	-136.7
Radial-5R	46.5	37.5	-11.0	51.1	-2.1	19.6
Radial-6R	-43.2	-55.6	-55.0	-44.7	-50.4	-45.1
Radial-7R	107.4	93.2	79.7	121.4	76.8	102.9
Radial-8R	20.6	6.5	5.9	31.0	5.9	24.1
Radial-9R	#######	#######	#######	#######	#######	#######
Radial-10R	313.2	306.8	306.7	313.2	306.8	317.5
SG01	-2.2	94.6	257.2	443.5	578.5	757.5
SG02	3.3	94.8	238.9	414.1	542.9	704.1
SG03	-1.8	-51.2	-227.8	-126.2	-323.7	-324.2
SG04	46.4	-12.6	7.7	-182.5	-168.8	-269.6
SG05	-19.2	90.5	258.9	456.9	601.9	799.3
SG06	37.8	-15.1	98.6	-265.1	-140.3	-303.8
SG07	-4.5	-81.7	-439.6	-44.7	-470.7	-371.0
SG08	-4.0	99.2	232.3	441.6	565.9	749.5
SG09	-18.2	128.4	305.1	478.8	689.8	863.5
SG10	-3.1	126.8	274.2	452.1	637.5	798.1
SG11	11.3	-71.5	-281.1	-128.5	-403.5	-392.1
SG12	26.9	-47.0	-10.3	-266.7	-249.3	-366.8
SG13	-5.5	117.9	279.1	433.8	613.3	769.3
SG14	-16.2	105.6	231.0	419.2	577.7	732.9
SG15	5.2	-76.8	-273.6	-126.2	-388.3	-368.4
SG16	43.9	-46.8	-55.7	-298.3	-326.1	-451.6
SG17	12.7	130.2	200.0	573.1	641.4	896.1
SG18	1.5	139.9	329.3	469.4	705.8	851.4
SG19	30.8	-45.3	-165.9	-177.4	-351.4	-397.9
SG20	9.4	-54.8	-113.3	-219.2	-293.8	-370.7
SG21	12.9	172.2	358.2	568.9	809.6	980.2
SG22	-4.3	125.5	255.8	458.8	636.6	784.7

Table B-44. CP5, Load Condition B, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.21	-0.03	-0.01	0.01	-0.01
SG23	-5.0	-93.1	-289.8	-183.0	-450.5	-443.4
SG24	63.7	-0.3	26.4	-187.3	-185.8	-282.6
SG25	187.0	101.5	308.1	-179.2	11.9	-172.9
SG26	130.6	61.8	185.3	-197.4	-67.8	-237.8
SG27	96.7	25.9	131.1	-256.5	-140.5	-322.5
SG28	0.8	-84.9	-468.3	29.1	-458.0	-290.9
SG29	13.1	-84.1	-533.2	94.1	-488.8	-261.6
SG30	54.1	-96.8	-873.5	328.3	-704.2	-230.1
SG31	101.9	34.3	200.4	-260.5	-85.0	-279.9
SG32	81.8	18.8	158.0	-249.6	-105.4	-278.2
SG33	168.1	80.1	322.7	-245.2	-17.3	-225.6
SG34	9.8	-80.2	-280.6	-166.2	-421.1	-423.1
SG35	-38.3	-151.9	-177.3	-374.3	-466.4	-526.3
SG36	23.8	-58.7	-243.7	-119.6	-376.1	-370.7
SG37	5.2	-166.5	-136.8	-590.4	-650.0	-845.3
SG38	-15.0	133.4	255.3	363.5	593.1	684.2
SG39	8.0	138.7	265.6	359.7	583.6	668.8
SG40	-22.2	102.9	198.5	240.7	471.2	508.4
SG42	-63.9	30.2	181.0	349.7	471.8	637.3
SG43	-49.9	-96.8	-241.8	-171.0	-338.9	-344.2
SG44	-29.8	122.3	284.1	585.0	726.7	949.7
SG45	3.6	-106.6	-331.9	-283.3	-556.5	-580.5

Table B-45. CP5, Load Condition C, Run 1

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.32	2.03	2.72	3.39
Hoop-1	122.3	838.0	1840.9	2443.6	3362.9	4088.2
Hoop-2	18.6	738.6	1661.7	2449.0	3185.2	4043.6
Hoop-3	677.5	850.9	1521.3	2371.6	3195.8	4042.5
Hoop-4	7.2	777.4	1568.1	2397.6	3202.2	4001.1
Hoop-5	26.7	808.9	1503.3	2430.6	3251.5	4024.5
Hoop-6	323.8	828.8	1751.9	2434.7	3241.3	4022.6
Hoop-7	25.4	803.9	1681.9	3240.6	4376.7	5431.5
Hoop-8	9.9	763.8	1603.2	2385.8	3232.4	4050.0
Hoop-9	39.4	752.2	1608.5	2422.4	3222.0	4031.1
Hoop-10	66.1	763.3	1623.3	2396.1	3184.9	3998.8
Hoop-11	586.5	676.8	1583.9	2426.0	3344.5	4002.9
Hoop-12	64.0	751.9	1627.9	2368.4	3235.1	4027.5
Hoop-13	252.6	805.6	1616.3	2427.2	3200.3	3998.1
Hoop-14	35.1	811.0	1682.9	2467.1	3195.0	3994.6
Long-1	54.3	753.4	1545.0	2680.4	3254.9	4087.2
Long-2	14.9	923.6	1423.3	2466.6	3102.8	4015.4
Long-3	983.4	1033.0	1662.3	2474.3	3471.2	4258.7
Long-4	366.9	1034.1	1646.3	2466.8	3348.0	4316.1

Table B-45. CP5, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.32	2.03	2.72	3.39
Long-5	853.3	1004.6	1665.3	2603.6	3215.5	4217.6
Long-6	-16.9	1108.3	1764.0	2373.6	3510.7	4142.0
Long-7	-31.1	732.9	1411.7	2404.8	3345.5	4260.4
Long-8	383.7	752.1	1635.2	2391.8	3663.7	4496.8
Radial-1R	-23.5	-11.0	-20.8	-21.8	-23.0	-24.5
Radial-2R	-401.7	64.8	-324.9	-339.4	-62.8	-476.2
Radial-3R	-21.4	-9.0	-0.8	-3.1	-12.8	-38.6
Radial-4R	-456.6	-153.5	-499.6	-780.8	-388.7	-414.9
Radial-5R	-7.6	17.2	5.0	-0.1	-2.0	-21.3
Radial-6R	-21.1	2.3	-26.3	-22.3	-21.8	-24.1
Radial-7R	1.1	6.2	12.8	1.5	2.8	3.1
Radial-8R	-6.1	-4.6	-5.2	-6.1	-6.4	-7.9
Radial-9R	1.6	1.5	1.3	1.6	1.5	1.5
Radial-10R	-6.9	-1.2	-7.7	-6.9	-6.1	-7.8
SG01	5.9	27.6	35.9	66.9	125.8	137.3
SG02	18.5	61.0	100.8	161.1	240.0	282.5
SG03	-5.9	177.5	277.2	403.9	503.2	545.0
SG04	55.7	113.0	338.1	501.5	678.0	920.6
SG05	3.9	50.4	63.7	116.4	182.3	212.5
SG06	99.2	87.1	352.3	496.1	668.5	963.5
SG07	-93.6	190.4	203.8	336.4	425.8	328.9
SG08	11.8	86.5	119.8	197.1	280.7	326.5
SG09	25.5	52.1	38.6	82.5	125.5	169.0
SG10	26.8	74.5	81.4	144.6	205.0	258.7
SG11	-33.1	183.4	311.9	459.0	590.5	621.7
SG12	50.4	92.9	314.7	460.3	623.2	843.7
SG13	38.4	96.7	142.6	227.2	303.8	389.6
SG14	18.1	59.0	47.6	96.0	137.9	173.9
SG15	-43.0	156.7	262.8	386.9	496.4	504.7
SG16	91.9	126.8	317.8	443.2	585.8	768.6
SG17	34603.4	30973.9	49220.1	47792.5	46577.8	48809.6
SG18	87.2	131.8	141.3	178.9	215.2	277.2
SG19	22.7	234.8	446.7	631.1	819.8	977.2
SG20	-30.5	-13.8	137.1	284.1	434.3	579.7
SG21	76.5	139.6	144.2	214.1	292.3	355.0
SG22	-258.3	-206.1	-218.4	-166.0	-112.9	-79.0
SG23	-25.2	172.1	305.5	451.2	574.5	612.9
SG24	-3633.0	-3620.7	-3419.5	-3287.9	-3145.3	-2933.9
SG25	198.8	434.1	1216.2	1794.2	2427.2	3227.8
SG26	192.9	285.0	752.1	1072.7	1431.2	1915.5
SG27	232.8	287.0	699.4	965.3	1269.6	1696.0
SG28	-87.9	320.5	419.6	664.1	859.7	817.3
SG29	-108.5	419.4	578.6	919.0	1191.4	1168.4
SG30	-174.4	862.0	1246.7	1949.4	2542.1	2603.8
SG31	536.6	595.4	1060.2	1357.8	1692.8	2178.8

Table B-45. CP5, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.68	1.32	2.03	2.72	3.39
SG32	146.1	210.7	639.1	922.6	1241.0	1700.6
SG33	257.7	469.4	1256.3	1823.6	2440.4	3252.7
SG34	-18.4	93.2	168.3	271.2	338.6	326.3
SG35	-19.4	10.3	166.7	277.0	371.0	496.4
SG36	-19.4	164.0	290.4	428.5	550.7	581.8
SG37	23.2	68.3	406.6	609.2	828.8	1142.5
SG38	47.9	81.3	96.2	171.9	229.3	309.2
SG39	39.5	72.8	97.4	166.9	231.6	338.3
SG40	59.6	85.9	119.7	189.4	245.0	337.5
SG42	-8.2	81.7	144.4	230.8	328.0	394.6
SG43	-11.7	118.2	194.3	283.4	354.4	363.4
SG44	-0.7	60.8	74.6	158.1	203.6	228.7
SG45	-60.6	157.8	296.2	447.2	602.7	658.4

Table B-46. CP5, Load Condition C, Run 2

% Load	0	20	40	60	80	100
Pressure	0.00	0.70	1.40	2.07	2.74	3.43
Hoop-1	145.8	665.5	1479.6	2729.8	3240.4	4038.1
Hoop-2	-14.8	891.1	1664.6	2494.3	3272.1	4026.8
Hoop-3	364.6	768.5	1572.3	2405.7	3212.2	4024.0
Hoop-4	-1.9	836.2	1620.3	2369.1	3226.4	4026.7
Hoop-5	-5.9	731.7	1549.4	2517.4	3210.2	4013.4
Hoop-6	-2.3	775.2	1835.5	2298.0	3313.7	4384.2
Hoop-7	4.8	869.5	1683.7	2502.1	3161.8	4042.0
Hoop-8	10.8	907.4	1540.2	2529.2	3212.9	4052.5
Hoop-9	3.4	757.7	1523.0	2385.2	3215.3	4027.9
Hoop-10	578.8	771.5	1457.8	2505.2	3165.5	4033.9
Hoop-11	34.8	839.4	1703.6	2434.1	3161.3	4033.7
Hoop-12	11.1	747.7	1666.6	2462.3	3161.7	4043.4
Hoop-13	9.7	871.0	1769.5	2410.8	3190.8	4001.9
Hoop-14	-23.8	728.4	1576.2	2424.4	3161.1	4017.3
Long-1	-61.4	800.0	1790.8	2593.4	3306.5	4290.4
Long-2	-8.6	943.6	1457.9	2508.4	3288.1	3980.7
Long-3	1302.6	1271.6	1832.7	2926.4	3669.4	4339.8
Long-4	177.2	774.4	1737.5	2435.8	3334.4	4350.5
Long-5	948.6	1321.8	1758.9	2517.2	3552.2	4216.5
Long-6	212.1	1075.1	1897.6	2729.6	3262.9	4272.9
Long-7	37.0	576.7	1453.5	2379.9	3355.2	4243.1
Long-8	237.6	777.8	1747.8	3016.9	3636.1	4379.1
Radial-1R	-8.0	-4.5	6.1	-7.5	-11.0	-8.8
Radial-2R	-331.3	-162.8	-213.8	-328.1	-363.0	-310.0
Radial-3R	49.3	50.3	65.1	68.4	39.1	22.3
Radial-4R	-223.6	-268.9	38.5	-226.8	-165.4	-9.5
Radial-5R	16.6	6.5	52.4	57.8	31.4	13.5

Table B-46. CP5, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.70	1.40	2.07	2.74	3.43
Radial-6R	131.1	148.4	151.8	140.2	133.4	128.4
Radial-7R	85.0	95.8	87.8	82.3	81.5	83.9
Radial-8R	13.4	12.7	14.1	13.1	14.2	14.0
Radial-9R	-28.4	-28.3	-28.0	-28.4	-28.1	-28.3
Radial-10R	-70.5	-70.6	-70.9	-72.2	-72.2	-73.3
SG01	-33.9	1.2	28.9	66.4	83.3	100.4
SG02	-7.2	47.9	102.6	168.6	211.2	255.8
SG03	-19.7	145.5	328.9	437.9	503.5	588.1
SG04	18.8	110.3	226.4	404.1	603.8	823.8
SG05	-5.8	25.9	53.9	101.7	136.8	169.4
SG06	-0.8	89.5	153.8	309.8	535.4	765.9
SG07	-40.9	178.7	450.3	551.8	538.8	558.9
SG08	14.4	74.9	137.7	209.7	262.2	317.6
SG09	24.4	28.3	11.8	44.6	79.0	99.3
SG10	41.4	70.4	88.6	137.2	186.6	228.9
SG11	-37.4	164.6	397.2	532.7	606.8	710.4
SG12	-34.9	90.5	201.0	338.9	521.8	724.2
SG13	21.7	71.1	108.9	174.4	243.3	318.8
SG14	33.0	39.9	53.2	93.1	124.1	155.8
SG15	-42.3	146.2	344.1	452.3	508.4	582.4
SG16	-26.6	90.7	206.9	334.3	498.1	669.7
SG17	-24536.2	-24544.4	-24559.7	-24577.2	-24653.2	-24714.7
SG18	66.6	104.6	89.5	125.8	162.9	205.8
SG19	-40.9	235.8	472.8	643.7	818.4	1015.6
SG20	-49.5	-26.0	136.4	288.2	437.3	589.9
SG21	70.6	74.7	91.3	167.3	219.6	288.0
SG22	51.8	54.4	71.2	124.6	154.9	196.3
SG23	-75.6	148.1	368.7	480.2	561.4	655.7
SG24	-7.5	75.5	187.0	347.3	520.8	696.0
SG25	73.3	499.1	994.1	1601.5	2280.2	2996.0
SG26	105.7	324.4	589.6	941.0	1348.6	1767.4
SG27	21.9	196.4	415.4	713.1	1069.0	1431.9
SG28	-38.7	303.5	694.9	887.0	946.1	1050.9
SG29	-36.2	417.3	926.0	1197.4	1299.6	1456.8
SG30	-48.8	870.9	1879.6	2445.5	2709.5	3082.3
SG31	45.8	253.7	458.8	771.4	1167.7	1574.8
SG32	25.5	229.9	432.0	722.8	1099.8	1492.1
SG33	65.3	505.8	945.5	1507.1	2190.3	2909.4
SG34	-60.3	64.8	240.1	325.0	351.6	387.1
SG35	-95.8	1.5	61.3	120.0	222.6	331.4
SG36	-11.2	169.2	376.3	497.3	558.1	647.0
SG37	-124.5	66.0	181.1	329.2	556.9	829.3
SG38	38.6	67.3	83.9	144.8	216.5	274.2
SG39	49.7	84.8	101.7	144.8	234.3	309.4
SG40	22.8	48.9	82.8	146.6	236.2	309.5

Table B-46. CP5, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.70	1.40	2.07	2.74	3.43
SG42	-96.0	-7.4	66.8	149.9	214.4	284.2
SG43	-105.7	11.8	150.6	227.4	266.5	318.9
SG44	-7.3	10.2	33.2	120.2	134.4	192.1
SG45	-131.9	100.5	330.7	454.9	565.6	672.2

Table B-47. CP5, Load Condition C, Run 3

% Load	0	20	40	60	80	100
Pressure	0.00	0.71	1.36	2.06	2.75	3.39
Hoop-1	11.4	798.1	1541.2	2313.6	3180.1	4017.3
Hoop-2	50.0	850.7	1699.0	2377.6	3322.2	3981.4
Hoop-3	625.8	760.4	1620.6	2450.1	3211.9	4035.3
Hoop-4	-0.6	814.5	1620.2	2411.1	3239.6	4017.7
Hoop-5	-4.3	816.5	1530.0	2362.2	3227.5	4033.4
Hoop-6	18.3	814.6	1585.3	2486.4	3306.5	4463.8
Hoop-7	13.7	807.8	1557.8	2473.5	3172.5	4010.3
Hoop-8	10.8	835.9	1654.0	2521.9	3226.4	4002.3
Hoop-9	-0.9	817.1	1635.1	2366.5	3230.3	4037.4
Hoop-10	494.0	837.1	1545.2	2471.3	3207.9	4042.9
Hoop-11	250.6	682.2	1598.2	2438.9	3202.1	4039.5
Hoop-12	29.9	880.4	1542.9	2359.9	3230.9	4037.6
Hoop-13	3.4	845.5	1593.5	2410.5	3209.1	4045.5
Hoop-14	0.2	776.1	1696.2	2432.2	3248.5	4040.9
Long-1	113.2	830.0	1567.6	2588.5	3258.8	4227.9
Long-2	16.5	1130.2	1668.5	2670.9	3455.2	4080.0
Long-3	1345.4	1336.8	1773.1	2417.0	3231.7	4110.1
Long-4	312.7	779.5	1602.9	2647.5	3468.6	4126.3
Long-5	1108.3	1526.5	1783.4	2668.4	3403.7	4144.0
Long-6	757.3	1037.3	1593.1	2532.8	3198.8	4155.8
Long-7	39.5	657.0	1709.1	2631.5	3457.3	4318.4
Long-8	393.6	873.9	1490.9	2200.3	3197.6	3942.2
Radial-1R	-12.5	-13.0	-12.1	-10.5	-11.8	-9.1
Radial-2R	-542.4	-520.2	-510.1	-404.5	-374.9	-457.4
Radial-3R	5.3	14.5	31.2	43.8	47.2	40.8
Radial-4R	-389.1	-269.4	-355.7	-468.4	-373.5	-443.0
Radial-5R	-22.7	-21.3	-10.0	-0.5	21.5	22.5
Radial-6R	105.5	109.8	107.1	103.5	86.1	74.9
Radial-7R	85.0	92.5	86.3	85.6	85.5	83.9
Radial-8R	11.8	11.8	11.4	12.5	12.5	13.7
Radial-9R	-27.7	-27.7	-28.0	-27.7	-28.0	-27.4
Radial-10R	-72.0	-71.5	-72.7	-71.9	-71.4	-72.6
SG01	-17.5	8.5	10.6	47.9	72.8	94.3
SG02	2.7	48.3	78.3	142.0	192.6	245.4
SG03	-290.9	-76.7	123.9	288.5	450.8	587.0
SG04	219.7	260.6	382.7	512.6	639.8	808.6

Table B-47. CP5, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	0.71	1.36	2.06	2.75	3.39
SG05	17.7	41.5	40.4	95.7	135.4	175.2
SG06	422.7	407.2	494.6	559.0	612.6	739.2
SG07	-745.8	-369.5	-106.6	134.3	398.9	569.6
SG08	-7.9	50.7	86.3	174.9	245.2	315.6
SG09	83.3	64.7	30.3	65.1	79.3	94.5
SG10	62.8	78.5	69.7	134.6	175.2	220.9
SG11	-371.7	-87.0	147.0	339.6	547.2	721.4
SG12	214.0	275.0	392.6	488.1	579.5	720.1
SG13	105.0	138.2	149.7	223.3	272.5	335.7
SG14	33.0	42.6	13.7	66.4	105.1	143.7
SG15	-381.4	-114.6	92.2	263.2	442.5	589.3
SG16	146.5	204.3	349.2	444.0	539.7	666.1
SG17	-25030.3	-24927.6	-24998.2	-24934.5	-24895.2	-24883.6
SG18	111.2	131.4	148.3	202.0	199.8	214.0
SG19	-16.4	214.9	497.5	678.2	850.7	1039.5
SG20	60.9	61.9	112.0	215.3	402.1	564.0
SG21	94.8	140.8	113.5	188.2	235.1	296.9
SG22	12.0	52.1	33.1	98.1	141.0	187.9
SG23	-348.4	-94.5	140.1	315.3	499.7	655.9
SG24	205.5	219.9	363.0	455.1	571.4	691.5
SG25	833.6	1043.1	1519.5	1964.9	2415.4	2958.5
SG26	637.6	714.0	977.7	1206.9	1450.5	1753.0
SG27	504.8	542.5	761.1	944.5	1140.2	1392.7
SG28	-827.9	-312.0	59.2	422.6	800.5	1082.0
SG29	-984.2	-326.6	153.4	629.7	1126.0	1498.4
SG30	-1775.6	-464.0	494.3	1453.9	2416.8	3174.6
SG31	652.2	698.5	920.1	1107.4	1283.1	1550.5
SG32	551.3	612.3	828.4	1017.8	1194.3	1460.8
SG33	908.2	1113.7	1555.9	1971.9	2356.2	2882.9
SG34	-355.7	-151.0	32.1	155.6	308.8	406.7
SG35	24.7	95.7	168.5	213.4	266.8	351.4
SG36	-281.7	-30.2	174.5	339.9	520.8	669.1
SG37	303.2	386.4	499.9	589.1	668.8	841.4
SG38	100.6	92.7	92.6	160.0	201.3	242.4
SG39	125.4	134.5	124.7	189.6	225.5	279.7
SG40	88.8	84.6	91.3	164.1	214.8	267.6
SG42	-103.0	-7.3	45.2	134.9	206.1	277.0
SG43	-337.3	-184.5	-39.4	82.2	200.8	296.6
SG44	-54.6	-11.7	3.4	93.6	146.0	214.2
SG45	-440.4	-138.2	83.5	277.3	485.7	654.2

Table B-48. CP6, Load Condition A, Run 1

% Load	0	20	40	60	80	100
Pressure	-0.08	0.54	1.09	1.62	2.15	2.75
Hoop-1	693.7	503.6	1348.5	1879.6	2650.5	3181.7
Hoop-2	-29.7	509.9	1098.2	1936.5	2362.9	3256.8
Hoop-3	-52.9	586.4	1224.0	1966.1	2584.8	3390.9
Hoop-4	-34.7	556.6	1894.8	1904.8	2549.7	3147.8
Hoop-5	-43.5	637.2	1224.1	1914.1	2672.0	3228.5
Hoop-6	4.8	836.3	1214.7	1878.4	2690.8	3145.8
Hoop-7	16.0	574.6	1258.6	1934.3	2617.9	3231.8
Hoop-8	2.1	624.4	1289.0	1904.6	2562.1	3233.6
Hoop-9	30.2	625.0	1201.2	1879.0	2557.9	3271.8
Hoop-10	79.9	559.0	1293.4	1915.6	2560.8	3167.3
Hoop-11	21.2	693.7	1406.7	1938.9	2562.0	3100.4
Hoop-12	92.0	629.2	1456.1	2007.3	2576.9	3263.0
Hoop-13	55.4	716.5	1242.2	2024.3	2571.4	3125.4
Hoop-14	12.3	496.8	1299.3	1922.4	2586.5	3174.4
Long-1	-56.2	23.4	-9.6	8.6	14.3	40.5
Long-2	123.1	138.3	198.7	301.1	403.4	455.7
Long-3	39.6	61.3	52.8	82.9	84.1	114.2
Long-4	90.4	-8.9	16.8	43.7	43.7	53.0
Long-5	22.2	37.4	141.2	198.4	263.7	304.5
Long-6	-9.5	44.9	-6.0	4.4	18.3	-1.4
Long-7	7.0	-3.7	-0.1	3.4	5.8	10.6
Long-8	-34.7	49.7	-108.8	112.2	-31.3	-92.6
Radial-1R	-38.9	38.2	15.4	25.5	29.5	74.0
Radial-2R	375.9	574.1	251.2	165.4	-11.0	86.0
Radial-3R	-52.0	-41.0	-77.6	-64.3	-71.3	-40.0
Radial-4R	258.3	-92.4	135.0	-5.1	147.3	59.0
Radial-5R	-26.5	-45.7	-62.7	-72.0	-84.1	-17.1
Radial-6R	-69.8	-67.3	-64.5	-58.5	-67.0	-26.1
Radial-7R	-58.0	-52.6	-71.4	-69.1	-78.8	-54.7
Radial-8R	-41.7	87.9	50.1	67.9	66.0	109.1
Radial-9R	-1771.0	-2054.1	-1604.6	-1434.3	-1636.0	-1777.3
Radial-10R	-52.0	-32.7	-47.5	-42.7	-51.2	-33.2
SG01	17.5	-125.7	-297.9	-396.6	-558.5	-702.5
SG02	-33.0	-115.7	-224.8	-284.8	-383.9	-473.5
SG03	-5.4	195.7	379.6	539.5	712.5	948.1
SG04	-12.7	163.0	414.8	592.5	815.5	955.3
SG05	12.9	-101.7	-193.9	-260.6	-367.8	-436.2
SG06	-23.8	-118.0	-207.4	-269.7	-362.4	-433.7
SG07	-46.6	161.3	296.5	443.7	587.6	836.4
SG08	19.5	164.4	389.8	534.5	728.4	776.2
SG09	22.1	-76.3	-136.6	-202.8	-290.4	-357.2
SG10	1.2	-59.8	-118.5	-162.2	-227.0	-295.1
SG11	-33.8	168.8	321.7	480.5	641.7	849.0
SG12	-12.2	180.2	379.8	542.1	740.1	845.8
SG13	39.5	-84.4	-203.0	-265.5	-375.2	-471.1

Table B-48. CP6, Load Condition A, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.08	0.54	1.09	1.62	2.15	2.75
SG14	23.6	-81.8	-148.3	-200.6	-275.7	-352.3
SG15	-45.2	182.6	363.4	529.6	707.1	936.3
SG16	19.1	180.1	400.9	543.6	734.9	864.4
SG17	-114.4	-188.6	-295.7	-315.8	-377.4	-446.2
SG18	2.3	-76.8	-194.2	-234.5	-312.2	-400.6
SG19	-38.4	174.9	363.4	500.8	663.2	867.5
SG20	17.2	154.0	396.2	520.5	707.3	838.3
SG21	46.9	-68.5	-166.1	-264.2	-345.4	-479.9
SG22	497.4	370.1	287.5	207.7	138.4	28.1
SG23	-70.4	172.5	321.8	485.9	631.5	844.9
SG24	41.9	88.1	316.0	467.5	628.4	786.6
SG25	271.4	203.6	588.9	859.2	1142.4	1251.8
SG26	249.6	241.4	450.1	579.4	720.3	773.4
SG27	77.4	38.3	148.5	219.5	294.8	304.5
SG28H	-120.2	346.5	671.3	986.1	1301.7	1792.9
SG28L	68.8	-176.5	-414.4	-529.4	-735.7	-918.9
SG28N	-29.8	75.9	134.8	238.1	291.1	466.1
SG29H	-127.0	370.8	714.7	1059.3	1393.7	1937.3
SG29L	97.5	-250.9	-571.2	-729.7	-1016.7	-1261.5
SG29N	-33.1	37.8	46.6	149.3	164.3	343.9
SG30H	-191.3	644.1	1232.6	1825.4	2388.4	3315.9
SG30L	-5.2	-326.6	-637.4	-703.1	-965.6	-1057.4
SG30N	-212.5	18.3	117.5	402.2	522.4	969.5
SG31H	65.6	278.3	722.8	986.3	1333.1	1563.3
SG31L	61.5	-140.2	-292.2	-365.8	-499.9	-655.6
SG31N	133.6	113.6	399.3	572.8	772.7	869.1
SG32H	69.4	331.3	865.5	1180.4	1599.5	1899.7
SG32L	60.9	-209.7	-428.7	-544.2	-736.8	-950.2
SG32N	111.6	87.5	324.4	464.8	622.7	694.3
SG33H	93.1	432.1	1103.4	1508.7	2043.0	2439.5
SG33L	67.5	-273.6	-565.3	-719.8	-976.8	-1237.0
SG33N	124.7	98.7	376.9	546.6	733.0	824.0
SG36	-18.9	179.6	324.9	489.6	648.8	841.3
SG37	-3.9	203.8	383.9	553.6	741.6	825.9
SG38	26.8	-15.7	-38.2	-97.8	-147.7	-203.4
SG39	-18.7	-54.5	-105.6	-150.9	-192.5	-265.4

Table B-49. CP6, Load Condition A, Run 2

% Load	0	20	40	60	80	100
Pressure	-0.06	0.60	1.11	1.64	2.17	2.70
Hoop-1	3.2	700.9	1325.3	1847.0	2662.8	3029.2
Hoop-2	-10.7	430.1	1315.2	1788.6	2305.5	3400.9
Hoop-3	4.3	1183.6	1528.7	2179.4	2397.8	2882.8
Hoop-4	142.2	571.4	1444.5	1938.8	2647.7	3105.2

Table B-49. CP6, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.06	0.60	1.11	1.64	2.17	2.70
Hoop-5	39.5	736.5	1179.1	1792.7	2453.3	3257.3
Hoop-6	54.0	583.4	1326.8	1823.7	2549.7	3161.1
Hoop-7	-15.0	672.5	1147.0	1860.0	2530.0	3199.1
Hoop-8	9.1	645.7	1281.9	1854.7	2568.9	3156.4
Hoop-9	364.4	592.8	1233.4	1943.0	2523.9	3385.9
Hoop-10	-7.5	616.2	1268.1	2004.3	2548.8	3157.8
Hoop-11	14.4	702.2	1252.5	1789.4	2632.9	3283.9
Hoop-12	4.5	764.8	1277.7	1862.8	2583.5	3181.3
Hoop-13	-15.6	1022.1	1256.4	1981.3	2677.7	3289.5
Hoop-14	-63.8	711.3	1292.4	1915.1	2544.8	3188.9
Long-1	-5.0	116.6	23.4	62.1	96.2	75.7
Long-2	209.2	238.3	209.2	290.5	385.9	491.8
Long-3	86.5	96.1	56.4	93.7	110.6	139.4
Long-4	69.4	-5.4	39.0	44.8	64.7	54.2
Long-5	-76.9	54.9	175.0	231.0	291.7	323.2
Long-6	151.5	31.0	3.2	54.2	-0.2	25.3
Long-7	50.2	23.8	37.0	26.2	49.0	32.2
Long-8	-54.4	148.1	76.3	-23.2	-79.8	-34.7
Radial-1R	-0.8	16.5	11.8	54.9	49.8	50.7
Radial-2R	316.8	679.2	302.0	268.4	215.8	210.4
Radial-3R	-54.4	-49.6	-59.3	-37.6	-42.6	-51.5
Radial-4R	160.8	-61.7	-17.0	-230.9	202.3	470.7
Radial-5R	-47.3	-40.8	-63.5	-33.2	-49.6	-72.5
Radial-6R	-97.3	-65.4	-67.6	-37.9	-42.8	-59.0
Radial-7R	-64.5	-60.3	-74.9	-57.3	-64.4	-81.3
Radial-8R	11.3	10.5	23.0	80.3	77.9	82.6
Radial-9R	-1711.8	-1554.7	-1689.9	-1382.7	-1778.4	-1495.8
Radial-10R	-49.8	-47.7	-51.0	-35.7	-46.0	-55.5
SG01	-40.9	-117.8	-251.7	-419.7	-547.6	-702.5
SG02	-52.7	-113.8	-195.2	-296.2	-380.7	-475.6
SG03	-2.1	209.9	382.9	595.6	758.6	921.2
SG04	42.0	179.7	384.5	547.6	753.3	995.0
SG05	-43.4	-90.2	-160.7	-252.7	-342.9	-446.8
SG06	-49.5	-106.3	-176.4	-261.8	-345.9	-436.8
SG07	-21.2	177.1	312.5	528.2	668.8	796.9
SG08	36.7	167.5	334.8	429.4	617.6	828.6
SG09	-9.5	-61.3	-115.1	-190.1	-274.4	-359.9
SG10	-17.2	-50.8	-95.8	-158.9	-221.7	-288.9
SG11	-15.9	173.5	316.8	511.6	672.3	825.0
SG12	14.7	188.0	347.6	483.0	680.9	881.6
SG13	-8.5	-80.5	-156.7	-260.0	-364.9	-471.7
SG14	-7.2	-67.7	-120.3	-204.4	-281.5	-353.2
SG15	-21.9	191.2	351.8	568.0	745.8	910.6
SG16	44.4	211.9	373.0	506.9	689.4	879.7
SG17	-68.8	-135.4	-182.6	-230.6	-269.5	-351.1

Table B-49. CP6, Load Condition A, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	-0.06	0.60	1.11	1.64	2.17	2.70
SG18	-23.1	-99.2	-167.2	-241.1	-312.7	-391.6
SG19	-12.9	193.7	341.6	534.8	693.2	839.7
SG20	30.0	202.5	357.2	486.1	656.4	838.1
SG21	26.5	-96.6	-181.8	-275.2	-338.7	-453.6
SG22	457.1	347.8	277.2	188.5	131.3	37.1
SG23	-36.6	176.1	330.3	521.6	662.2	815.8
SG24	-25.8	145.0	314.4	427.0	583.5	774.8
SG25	126.2	253.5	597.1	659.4	963.4	1337.8
SG26	256.3	324.4	491.9	530.2	685.1	864.6
SG27	33.6	45.0	145.1	146.6	229.9	337.1
SG28H	-69.1	358.2	668.4	1113.4	1421.3	1714.4
SG28L	-30.8	-199.3	-333.5	-535.6	-713.0	-907.4
SG28N	-28.9	68.7	184.0	304.8	355.5	426.8
SG29H	-68.5	381.3	725.5	1203.6	1526.8	1847.8
SG29L	-26.5	-281.1	-451.5	-735.1	-987.3	-1244.8
SG29N	-53.1	22.9	136.1	235.5	251.9	295.1
SG30H	-56.4	656.7	1277.1	2075.3	2600.2	3164.1
SG30L	-159.6	-364.8	-430.2	-640.9	-872.3	-1079.1
SG30N	-246.9	-6.1	297.0	580.6	699.5	869.7
SG31H	55.8	346.5	661.1	881.6	1211.2	1585.3
SG31L	-1.1	-144.7	-227.1	-395.4	-513.5	-629.0
SG31N	72.8	187.1	410.4	457.2	650.9	909.1
SG32H	65.1	409.5	786.5	1068.7	1465.6	1918.3
SG32L	-17.5	-221.6	-352.1	-577.3	-749.0	-921.4
SG32N	52.3	144.5	330.1	364.5	520.5	728.0
SG33H	83.2	528.9	1004.5	1375.2	1881.7	2458.1
SG33L	-27.4	-293.6	-461.9	-745.4	-976.4	-1206.6
SG33N	45.6	162.5	385.2	432.3	616.4	858.4
SG36	-14.9	189.1	330.2	513.0	674.7	827.8
SG37	11.4	193.6	357.5	486.7	676.2	871.1
SG38	23.6	-9.3	-55.2	-94.5	-144.0	-201.1
SG39	4.5	-47.9	-104.6	-143.8	-192.9	-250.3

Table B-50. CP6, Load Condition B, Run 1

% Load	0	20	40	60	80	100
Pressure	0.00	-0.08	0.04	-0.03	0.02	-0.03
Hoop-1	5.0	35.4	51.6	42.6	12.1	28.3
Hoop-2	10.2	50.1	117.7	74.4	98.6	90.0
Hoop-3	-14.2	51.4	88.4	68.2	81.7	85.1
Hoop-4	219.2	445.2	621.9	561.4	640.0	656.5
Hoop-5	-5.6	14.2	16.0	12.4	-25.5	-0.2
Hoop-6	37.0	101.5	130.3	125.2	62.5	81.1
Hoop-7	76.1	-45.9	-51.0	-32.1	2.2	-1.2
Hoop-8	-12.1	9.1	23.3	9.1	30.3	9.1

Table B-50. CP6, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	-0.08	0.04	-0.03	0.02	-0.03
Hoop-9	344.4	468.6	450.2	442.6	275.4	382.8
Hoop-10	-9.2	6.0	-2.4	7.6	-7.5	-2.4
Hoop-11	-36.4	0.9	44.9	31.4	85.5	90.6
Hoop-12	-7.5	-5.8	13.1	-9.2	25.1	-4.1
Hoop-13	-8.5	5.7	5.7	-8.5	5.7	19.9
Hoop-14	-8.4	81.5	109.2	60.8	60.7	26.2
Long-1	47.3	586.2	1079.9	1669.9	2155.8	2943.8
Long-2	118.5	435.9	1043.1	1826.9	2463.2	2812.2
Long-3	39.6	446.0	1087.0	1629.2	2253.5	2878.8
Long-4	33.2	745.5	1029.5	1577.1	2315.4	2790.9
Long-5	1.2	716.2	1248.4	1819.8	2359.0	2647.3
Long-6	78.5	319.5	1128.3	1631.1	2285.9	2909.3
Long-7	15.4	760.4	1159.5	1658.9	2351.5	2944.5
Long-8	72.9	357.5	959.3	1832.8	2122.3	2890.6
Radial-1R	8.7	-15.2	14.0	2.6	18.8	11.4
Radial-2R	243.1	142.4	363.3	182.8	391.9	309.8
Radial-3R	-43.8	-74.9	-44.2	-48.6	-27.6	-32.6
Radial-4R	-102.7	179.1	66.5	-107.5	-52.0	-61.2
Radial-5R	-22.9	-63.2	-33.9	-46.5	-25.7	-36.2
Radial-6R	-77.3	-115.0	-91.5	-96.5	-72.1	-78.6
Radial-7R	-48.3	-80.0	-64.2	-69.6	-45.9	-49.4
Radial-8R	32.7	-39.7	-9.1	-12.9	-1.0	-10.3
Radial-9R	-1727.6	-1958.9	-1783.4	-1586.4	-2062.3	-1301.9
Radial-10R	-40.4	-58.0	-42.5	-44.2	-31.6	-34.7
SG01	-44.0	127.9	339.0	553.8	788.7	983.4
SG02	-55.6	57.2	188.0	328.3	471.9	600.2
SG03	35.9	-72.3	-78.3	-162.5	-199.1	-275.7
SG04	9.3	30.0	-104.1	-177.2	-316.1	-381.1
SG05	-39.3	81.7	238.8	375.0	561.4	682.5
SG06	-44.5	55.2	184.8	305.9	459.9	572.5
SG07	35.6	-120.0	-81.7	-159.6	-166.9	-237.9
SG08	-22.6	68.7	-91.2	-137.0	-289.3	-331.8
SG09	-5.8	112.6	241.9	361.2	523.6	630.8
SG10	-16.2	112.4	241.4	371.5	532.0	647.0
SG11	9.9	-90.7	-91.6	-160.8	-200.2	-262.4
SG12	-7.3	5.8	-108.1	-163.8	-282.6	-331.5
SG13	-8.2	122.5	263.5	411.3	593.2	718.2
SG14	-14.4	120.3	242.2	379.6	537.9	662.0
SG15	10.2	-94.8	-94.5	-171.2	-211.0	-279.0
SG16	24.9	39.2	-48.8	-106.5	-211.3	-254.6
SG17	-69.5	223.3	412.0	528.9	661.4	784.1
SG18	-24.0	65.5	179.9	305.6	448.6	554.1
SG19	12.7	-58.0	-54.2	-127.3	-158.2	-214.0
SG20	-0.2	32.2	-63.4	-127.4	-229.8	-276.3
SG21	13.4	129.3	247.2	399.1	566.2	690.2

Table B-50. CP6, Load Condition B, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.00	-0.08	0.04	-0.03	0.02	-0.03
SG22	433.0	563.4	673.3	825.2	990.4	1120.2
SG23	2.8	-90.8	-74.5	-140.9	-174.9	-232.2
SG24	-43.7	-34.3	-122.7	-189.7	-290.7	-342.3
SG25	17.7	484.5	523.6	821.3	966.0	1251.6
SG26	220.4	424.7	402.2	516.0	544.4	650.5
SG27	-4.2	147.2	154.1	257.8	300.0	398.6
SG28H	22.4	-222.2	-167.8	-317.2	-347.1	-486.9
SG28L	-31.0	190.6	445.1	714.7	1029.3	1252.9
SG28N	8.7	7.6	158.6	217.7	348.0	394.0
SG29H	31.7	-219.9	-135.7	-279.8	-289.9	-424.3
SG29L	-35.7	283.6	631.9	1006.7	1431.2	1744.8
SG29N	-9.7	44.7	306.8	450.4	695.9	818.1
SG30H	111.0	-295.7	-126.4	-345.2	-344.7	-532.1
SG30L	-130.8	267.3	861.3	1395.2	2062.3	2520.1
SG30N	-143.1	-60.6	468.1	740.6	1225.3	1467.6
SG31H	-5.8	56.7	-159.6	-266.4	-480.2	-557.5
SG31L	-17.9	222.7	427.1	689.1	956.7	1188.9
SG31N	10.4	254.6	209.3	319.9	330.3	446.0
SG32H	2.2	32.2	-250.5	-418.7	-709.6	-839.6
SG32L	-35.2	246.1	492.1	805.9	1128.5	1405.0
SG32N	-3.2	219.6	182.2	280.4	290.7	393.8
SG33H	12.0	40.0	-309.9	-527.6	-890.6	-1063.9
SG33L	-39.6	297.4	620.7	1015.1	1430.4	1778.9
SG33N	-18.8	247.2	220.1	343.6	371.5	499.3
SG36	9.3	-89.1	-110.9	-182.8	-236.9	-305.8
SG37	-9.2	15.2	-103.0	-150.2	-264.6	-309.9
SG38	28.8	119.4	209.1	302.7	411.5	490.0
SG39	0.3	114.1	215.1	332.4	459.3	560.6

Table B-51. CP6, Load Condition C, Run 1

% Load	0	20	40	60	80	100
Pressure	0.02	0.40	0.81	1.21	1.65	2.05
Hoop-1	-21.9	270.4	810.4	1569.1	2024.7	2481.9
Hoop-2	-12.4	240.9	1339.4	1374.1	1882.5	2026.3
Hoop-3	774.7	683.9	1296.3	1245.9	1880.1	2559.5
Hoop-4	-26.5	700.7	627.0	1354.3	2011.1	2300.7
Hoop-5	-41.7	523.4	911.7	1357.7	2011.4	2453.5
Hoop-6	-71.6	413.7	888.9	1409.9	2047.9	2135.9
Hoop-7	7.4	426.7	914.9	1423.6	1829.3	2315.4
Hoop-8	-5.0	454.7	956.8	1437.8	1918.5	2342.9
Hoop-9	-44.9	392.0	925.4	1402.3	1934.0	2332.5
Hoop-10	58.1	518.7	980.8	1391.1	1965.8	2317.1
Hoop-11	33.1	510.8	966.4	1395.1	1981.0	2595.9
Hoop-12	11.3	524.5	939.7	1473.6	1904.2	2206.2

Table B-51. CP6, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.40	0.81	1.21	1.65	2.05
Hoop-13	-36.9	503.2	1000.7	1342.0	1889.1	2102.3
Hoop-14	116.1	482.9	960.3	1431.0	1915.3	2496.6
Long-1	-77.8	588.5	681.8	1227.4	1734.6	2136.2
Long-2	68.5	519.7	962.8	1335.8	1780.2	1905.0
Long-3	-40.9	430.4	679.3	962.9	1716.8	2157.2
Long-4	-52.1	271.4	802.8	1154.1	1533.7	2042.1
Long-5	-38.4	560.0	1012.6	983.3	1582.9	2220.0
Long-6	-46.6	170.1	750.5	1336.5	1597.3	2195.4
Long-7	2.2	602.4	962.9	1161.5	1931.8	1878.3
Long-8	-30.1	665.3	654.9	1140.6	1908.9	2178.8
Radial-1R	0.4	59.2	28.9	44.8	56.8	109.6
Radial-2R	342.1	234.5	415.8	32.8	230.2	354.2
Radial-3R	-49.5	-46.0	-27.2	-27.8	-30.2	2.7
Radial-4R	268.5	112.3	121.0	139.3	-33.7	0.8
Radial-5R	12.7	-31.1	-48.0	-54.4	-51.7	-17.9
Radial-6R	-35.1	-46.7	-45.4	-46.9	-43.6	-36.7
Radial-7R	-35.4	-45.8	-53.0	-48.7	-52.0	-47.5
Radial-8R	-18.7	30.7	18.7	36.9	30.4	58.2
Radial-9R	-1927.2	-1554.7	-1744.0	-1577.4	-2113.3	-1872.0
Radial-10R	-37.6	-29.7	-26.8	-25.4	-30.0	-33.9
SG01	-14.8	63.8	90.4	133.3	223.2	238.2
SG02	-44.9	9.9	26.8	52.7	107.2	118.6
SG03	45.4	110.7	202.4	290.8	377.8	485.8
SG04	-46.7	58.1	178.6	260.0	345.1	418.2
SG05	4.9	21.4	80.4	94.9	156.2	190.4
SG06	-27.2	-9.1	30.8	42.1	88.1	113.6
SG07	34.8	88.9	157.1	250.2	329.8	450.4
SG08	-54.0	87.6	164.1	241.5	321.8	330.4
SG09	25.1	29.5	101.3	99.3	140.4	186.0
SG10	-11.7	35.4	120.2	141.0	195.0	249.2
SG11	5.4	94.2	161.1	267.9	357.5	450.1
SG12	-70.2	92.0	146.7	255.9	352.7	371.4
SG13	11.2	25.3	115.4	109.0	143.6	177.9
SG14	7.5	27.8	101.8	112.6	169.9	209.0
SG15	2.8	103.7	177.0	293.8	393.9	499.3
SG16	7.3	113.3	160.4	260.0	370.3	404.5
SG17	-238.0	-183.3	-105.5	-59.8	11.4	42.8
SG18	-56.9	-1.6	57.6	75.8	101.8	122.5
SG19	29.2	120.8	177.9	284.5	384.5	486.6
SG20	36.7	106.9	140.6	226.5	333.5	373.9
SG21	-63.1	20.5	17.3	81.8	113.1	125.8
SG22	406.0	468.7	491.3	551.0	595.8	619.5
SG23	9.5	107.6	209.6	282.4	372.4	473.5
SG24	57.1	39.7	160.5	194.3	289.3	330.0
SG25	-32.5	296.2	768.1	1073.2	1504.7	1736.4

Table B-51. CP6, Load Condition C, Run 1 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.02	0.40	0.81	1.21	1.65	2.05
SG26	79.0	222.7	428.4	563.8	753.9	865.3
SG27	-28.3	77.6	221.1	313.7	446.9	511.2
SG28H	40.8	206.4	364.8	560.0	750.0	993.6
SG28L	-50.0	9.1	138.6	163.1	215.0	261.4
SG28N	21.7	108.6	271.0	358.6	491.0	655.6
SG29H	56.3	233.9	426.7	638.6	858.9	1142.0
SG29L	-57.8	12.9	200.8	226.4	305.9	381.1
SG29N	3.8	126.2	363.2	484.7	668.1	893.7
SG30H	121.5	413.7	790.9	1136.5	1534.4	2055.6
SG30L	-174.4	13.3	434.2	585.2	849.0	1153.2
SG30N	-148.1	154.2	680.6	977.2	1389.6	1883.1
SG31H	34.6	166.3	309.0	443.9	637.6	705.2
SG31L	-58.1	36.2	179.1	232.3	328.9	383.3
SG31N	26.0	158.9	401.5	544.0	809.7	914.3
SG32H	60.6	170.6	313.9	454.9	660.4	734.6
SG32L	-78.3	7.1	151.9	195.5	284.3	332.7
SG32N	13.2	127.2	336.8	456.0	668.9	758.3
SG33H	87.4	224.6	406.4	587.1	846.1	949.0
SG33L	-96.5	-1.5	173.9	220.0	322.2	387.8
SG33N	9.1	150.3	406.2	554.7	811.0	925.4
SG36	17.3	97.1	169.5	267.4	343.7	423.8
SG37	-60.8	111.5	202.1	301.1	384.9	389.7
SG38	38.7	66.6	84.3	94.2	119.8	165.4
SG39	-26.4	31.7	74.0	96.0	134.7	182.1

Table B-52. CP6, Load Condition C, Run 2

% Load	0	20	40	60	80	100
Pressure	0.04	0.45	0.81	1.24	1.66	2.06
Hoop-1	3.2	770.9	1115.2	1576.3	1889.8	2270.5
Hoop-2	15.4	273.9	830.9	1325.5	1694.8	2387.5
Hoop-3	85.1	519.1	912.7	1626.1	2241.4	2435.3
Hoop-4	371.5	379.7	776.0	1372.3	1616.0	2659.7
Hoop-5	57.6	751.0	1373.8	1323.4	2000.2	2361.7
Hoop-6	40.4	468.0	921.0	1408.2	2000.0	2358.5
Hoop-7	26.3	505.8	966.4	1483.8	1815.2	2410.2
Hoop-8	2.1	461.7	963.8	1430.4	1967.8	2406.5
Hoop-9	143.7	533.0	995.9	1544.5	1915.4	2358.6
Hoop-10	-4.1	542.1	994.3	1503.4	1958.9	2443.2
Hoop-11	21.2	544.6	968.1	1352.5	1858.9	2575.6
Hoop-12	-4.1	509.0	893.4	1416.7	1883.4	2274.9
Hoop-13	27.0	574.3	958.0	1505.1	1960.0	2365.3
Hoop-14	102.3	510.5	988.0	1465.4	2205.7	2448.1
Long-1	-3.9	468.0	806.9	1296.8	1695.9	2002.0
Long-2	158.0	384.8	1020.9	1179.0	1509.2	2292.0

Table B-52. CP6, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.04	0.45	0.81	1.24	1.66	2.06
Long-3	145.4	456.8	711.8	1452.3	1930.8	2386.7
Long-4	39.0	424.4	761.9	1286.2	1648.2	1967.2
Long-5	32.7	275.3	723.3	1242.3	1715.8	1905.0
Long-6	24.1	451.6	889.6	1422.4	1769.9	2193.0
Long-7	119.6	428.6	1027.6	1065.8	1643.1	2087.7
Long-8	-3.5	421.1	897.9	1300.4	1454.3	1853.6
Radial-1R	25.4	19.4	24.7	31.8	80.2	80.9
Radial-2R	114.4	-71.1	115.2	372.8	46.1	285.6
Radial-3R	-36.9	-27.9	-43.5	-37.9	-5.5	-12.1
Radial-4R	328.4	-185.1	-108.0	99.9	167.8	205.6
Radial-5R	-20.8	-42.5	-71.8	-58.1	-26.5	-26.5
Radial-6R	-77.9	-66.8	-71.7	-52.0	-15.6	-18.3
Radial-7R	-58.7	-56.8	-72.6	-66.1	-26.8	-32.0
Radial-8R	4.0	29.7	15.6	25.4	56.8	74.8
Radial-9R	-1610.7	-1273.8	-1253.3	-1549.0	-1716.3	-1771.5
Radial-10R	-42.9	-40.1	-38.9	-28.8	-9.7	-15.5
SG01	7.0	39.4	106.9	133.6	184.6	220.7
SG02	-28.6	-8.1	37.3	55.4	87.8	109.1
SG03	23.7	125.6	189.2	297.0	430.1	517.1
SG04	-16.3	83.4	186.8	277.3	297.9	406.4
SG05	1.2	10.6	59.0	112.6	169.8	198.0
SG06	-24.9	-15.2	21.8	57.6	99.3	118.5
SG07	3.9	104.9	140.4	248.5	407.5	485.0
SG08	-4.3	82.6	202.5	236.1	213.2	301.3
SG09	17.2	18.3	62.1	127.1	161.1	191.6
SG10	4.1	37.0	101.1	170.3	218.9	256.1
SG11	-0.2	107.3	168.4	253.1	383.6	464.6
SG12	-10.9	104.4	215.2	245.2	293.5	377.7
SG13	17.7	31.1	72.1	137.0	168.9	182.7
SG14	8.6	22.8	76.5	144.3	179.1	214.0
SG15	-2.8	112.1	185.1	281.4	426.7	519.1
SG16	32.0	108.2	211.0	264.1	323.2	417.4
SG17	-95.7	-23.1	21.8	52.6	93.0	147.7
SG18	-17.5	21.2	54.1	86.6	116.9	123.3
SG19	13.4	104.3	184.7	280.8	414.5	506.9
SG20	37.3	78.2	173.7	232.8	294.6	385.9
SG21	20.1	57.0	77.0	100.0	117.6	143.9
SG22	457.7	492.5	521.1	559.9	594.3	628.0
SG23	-16.2	99.5	179.6	278.8	402.2	482.1
SG24	-6.9	30.7	114.2	198.7	219.3	316.0
SG25	58.4	384.5	790.6	1159.5	1289.2	1685.1
SG26	204.7	349.8	536.1	694.0	735.1	909.5
SG27	-4.9	102.6	226.9	339.5	363.2	489.4
SG28H	-11.3	209.0	332.7	551.1	863.0	1047.2
SG28L	14.5	54.2	120.0	194.2	232.4	248.2

Table B-52. CP6, Load Condition C, Run 2 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.04	0.45	0.81	1.24	1.66	2.06
SG28N	13.5	123.2	219.1	387.1	541.7	665.8
SG29H	0.1	238.4	381.2	638.6	983.8	1197.9
SG29L	30.8	74.9	167.8	282.0	321.8	358.2
SG29N	15.1	160.1	297.8	531.5	743.2	906.0
SG30H	33.6	435.4	696.1	1171.4	1742.0	2137.9
SG30L	-51.8	127.3	359.7	694.0	936.3	1135.5
SG30N	-113.6	242.3	558.5	1070.5	1549.8	1915.0
SG31H	17.4	145.4	331.3	458.4	514.6	696.7
SG31L	4.5	71.2	176.4	271.9	315.5	374.3
SG31N	30.5	169.2	403.7	608.6	669.4	896.5
SG32H	23.9	144.3	332.3	466.7	520.7	723.2
SG32L	-7.5	46.8	144.1	235.9	268.4	315.7
SG32N	21.2	137.5	336.4	503.2	549.3	735.6
SG33H	42.7	195.4	427.9	600.1	681.3	936.2
SG33L	-11.6	50.3	158.6	272.3	310.3	365.6
SG33N	22.0	165.2	403.4	608.5	676.0	897.9
SG36	5.1	115.2	169.2	253.4	359.7	436.8
SG37	-8.6	125.6	248.4	276.7	311.0	392.0
SG38	30.4	31.1	60.5	125.7	133.7	173.2
SG39	1.1	21.8	72.8	137.6	166.5	198.5

Table B-53. CP6, Load Condition C, Run 3

% Load	0	20	40	60	80	100
Pressure	0.01	0.43	0.83	1.22	1.59	2.02
Hoop-1	-18.9	372.1	958.4	1548.6	1892.9	2373.5
Hoop-2	537.8	416.4	895.1	1467.8	1894.6	2442.8
Hoop-3	-18.1	1090.2	947.2	1455.3	1896.0	2218.9
Hoop-4	59.0	231.0	1016.8	1205.3	1898.0	2445.0
Hoop-5	85.3	258.6	962.5	1466.4	1901.5	2407.0
Hoop-6	-40.8	437.6	951.5	1452.2	1883.1	2419.3
Hoop-7	105.2	478.1	962.5	1454.2	1916.4	2402.7
Hoop-8	33.8	465.2	946.2	1434.3	1872.5	2410.2
Hoop-9	115.9	410.2	954.5	1442.0	1921.5	2400.0
Hoop-10	26.3	692.0	962.7	1520.9	1924.0	2399.9
Hoop-11	762.0	733.3	1329.7	1636.4	2079.8	2518.8
Hoop-12	62.9	421.6	950.3	1485.8	1940.3	2386.7
Hoop-13	35.2	419.0	1016.1	1336.0	2003.8	2402.1
Hoop-14	48.7	484.7	1003.9	1516.1	1924.0	2394.8
Long-1	121.2	403.2	802.4	1289.4	1808.8	1986.6
Long-2	-38.6	275.4	768.5	1085.1	1488.5	2041.3
Long-3	20.6	312.8	911.7	1352.1	1526.2	2062.9
Long-4	26.2	600.9	883.5	1355.7	1785.2	2069.5
Long-5	75.4	523.4	1102.0	1569.0	2027.2	2513.0
Long-6	23.4	21.1	127.7	226.2	286.4	343.3

Table B-53. CP6, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.01	0.43	0.83	1.22	1.59	2.02
Long-7	10.6	299.3	739.0	1177.7	1611.1	2123.0
Long-8	-21.9	268.5	740.6	1247.7	1799.4	2007.0
Radial-1R	-7.5	47.6	25.6	1.3	-5.9	-3.3
Radial-2R	2500.0	-1.5	393.7	218.4	48.8	43.9
Radial-3R	-70.6	-16.3	-48.6	-54.6	-72.9	-70.9
Radial-4R	1027.0	-534.7	-362.8	-135.5	-404.3	-465.2
Radial-5R	202.3	260.6	194.0	170.9	160.7	171.7
Radial-6R	-101.2	-47.5	-65.4	-74.4	-83.0	-71.6
Radial-7R	-63.4	-21.2	-44.2	-53.5	-58.2	-52.0
Radial-8R	288.0	305.7	277.2	263.2	266.0	281.7
Radial-9R	-2313.0	-1476.9	-1623.9	-1934.4	-1615.5	-1887.3
Radial-10R	-65.8	-24.8	-40.5	-47.3	-50.8	-47.3
SG01	-57.9	-61.0	-10.0	39.7	73.2	79.1
SG02	-57.8	-73.6	-40.7	-11.3	10.8	19.4
SG03	39.8	206.3	259.9	329.6	402.8	508.4
SG04	67.2	17.5	162.3	270.3	370.0	465.3
SG05	-43.5	-32.9	-13.7	23.0	41.3	55.3
SG06	-45.1	-53.9	-41.8	-18.9	-6.4	7.2
SG07	-12.6	224.2	230.3	277.6	333.3	431.0
SG08	113.9	-63.3	138.0	254.0	363.7	432.1
SG09	-4.4	3.1	21.8	45.6	61.1	80.1
SG10	-10.3	10.5	51.0	96.1	126.0	161.5
SG11	8.9	156.4	220.9	292.9	367.0	462.6
SG12	51.7	-27.9	164.4	276.4	384.7	471.8
SG13	-22.0	3.3	20.1	63.4	67.7	83.7
SG14	-15.0	0.7	36.5	87.4	116.8	150.8
SG15	9.8	171.2	241.4	315.5	398.2	505.1
SG16	-45897.3	-38633.8	-46459.2	-43233.3	-35521.7	-49155.2
SG17	87.2	199.6	233.3	309.0	300.7	343.3
SG18	-34.9	-25.9	16.7	59.3	61.4	85.5
SG19	21.0	153.9	223.8	286.2	372.5	470.1
SG20	65.9	33.3	155.4	238.1	353.5	438.1
SG21	-32.8	-25.1	56.0	88.4	96.6	124.6
SG22	-29.3	-40.4	38.2	84.8	104.7	146.6
SG23	16.2	166.8	211.0	279.8	350.8	434.8
SG24	71.0	5.1	90.3	195.8	294.9	375.6
SG25	214.4	103.7	646.6	1136.9	1505.1	1853.1
SG26	82.9	39.5	282.0	499.0	665.7	819.8
SG27	65.3	8.8	178.7	332.2	443.8	547.6
SG28H	-27.2	390.2	448.7	568.3	710.4	911.6
SG28L	-109.8	-100.7	-33.4	43.0	42.5	66.6
SG28N	-53.4	168.9	200.7	299.1	375.6	489.8
SG29H	-29.3	448.0	507.9	647.8	808.9	1038.7
SG29L	-139.8	-118.3	-34.5	76.5	77.8	113.5
SG29N	-97.5	202.5	259.8	404.5	504.7	663.2

Table B-53. CP6, Load Condition C, Run 3 (Continued)

% Load	0	20	40	60	80	100
Pressure	0.01	0.43	0.83	1.22	1.59	2.02
SG30H	-36.0	818.1	901.2	1153.5	1443.0	1845.5
SG30L	-232.8	86.2	249.9	510.8	625.4	826.2
SG30N	-160.0	527.9	693.0	1026.6	1272.0	1639.1
SG31H	167.3	44.1	292.3	493.4	702.8	863.4
SG31L	-52.3	-212.6	-92.6	20.1	69.3	130.7
SG31N	121.0	9.7	295.5	567.2	803.0	996.7
SG32H	197.9	57.9	313.0	524.7	754.2	929.0
SG32L	-69.5	-115.6	-1.5	107.1	141.5	191.5
SG32N	107.1	-9.1	241.6	470.1	659.9	820.1
SG33H	246.2	92.9	407.7	671.4	958.5	1183.2
SG33L	-100.3	-123.8	-6.5	116.3	147.4	203.2
SG33N	108.6	-15.9	283.8	559.3	785.7	980.6
SG36	26.4	173.0	222.6	303.1	374.3	459.5
SG37	74.1	10.3	183.6	302.7	406.6	486.0
SG38	16.5	2.7	64.3	86.2	108.2	130.1
SG39	9.0	36.8	63.3	103.6	136.0	172.5

B.2 REDUCED STRAIN GAGE DATA.

Raw strain data from the strain surveys was reduced to discount any prestrain due to the installation of the panel into the fixture and any nonlinear effects due to any initial slack in the load application mechanisms. In the strain gage reduction, the first three data points were removed, and a linear regression using least squares was used to curve-fit the remaining data to a first-order polynomial.

CP1	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-100.8	-66.0	-71.5	-47.5	128.1	123.0	30.9	74.8	-78.1
10	-137.8	-145.1	-99.0	144.1	256.5	242.4	205.1	180.8	154.6
20	-214.0	-202.1	-160.7	332.4	398.4	395.7	386.6	384.3	375.1
30	-280.7	-261.1	-264.3	526.3	553.5	564.6	549.1	608.3	545.2
40	-354.6	-346.9	-338.7	735.2	749.8	723.2	712.7	772.1	700.8
50	-426.7	-462.4	-422.7	916.0	915.0	932.7	899.9	958.3	871.1
60	-532.5	-542.6	-495.3	1092.3	1108.4	1115.3	1126.8	1133.5	1060.3
70	-637.6	-648.6	-588.8	1258.6	1290.5	1301.2	1301.6	1307.4	1256.2
80	-728.7	-727.5	-672.5	1427.3	1500.1	1495.7	1482.5	1478.9	1436.7
90	-833.1	-815.7	-757.0	1597.8	1675.8	1682.4	1653.8		1612.5
100	-932.1	-917.1	-845.3	1782.8	1887.5	1882.8	1836.5	1814.5	1790.4

CP1	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-36.8	30.2	23.9	-16.0	-16.0	-12.2	-96.9	-75.1	-134.6
10	196.7	236.9	226.3	-78.0	-76.6	-74.3	234.9	265.6	224.9
20	422.0	451.1	435.3	-128.2	-128.3	-132.6	523.4	551.8	515.7
30	626.4	637.6	641.2	-194.1	-189.7	-185.0	766.0	867.1	773.4
40	830.8	830.0	849.3	-257.6	-244.1	-264.2	1029.6	1164.7	1030.8
50	1028.8	1047.9	1063.5	-322.7	-325.5	-306.7	1290.7	1424.0	1313.2
60	1225.2	1246.0	1271.0	-383.3	-367.1	-368.0	1557.8	1680.6	1578.0
70	1423.3	1475.5	1467.9	-442.4	-435.2	-435.2	1824.4	1921.3	1841.7
80	1642.8	1681.3	1702.2	-514.8	-501.9	-500.3	2089.7	2174.4	2094.3
90	1873.9	1894.8	1911.9	-578.4	-563.7	-562.4	2338.3		2342.7
100	2079.8	2144.8	2145.8	-644.3	-632.6	-643.1	2565.5	2647.4	2584.5

CP1	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-132.8	-64.3	-73.2	-98.8	120.3	116.3	10.7	68.4	-140.8
10	-153.0	-145.4	-74.8	129.6	298.8	280.3	219.9	197.2	162.1
20	-237.9	-214.7	-161.1	366.9	463.8	462.4	433.4	424.0	420.4
30	-313.8	-296.3	-298.0	585.7	638.6	645.2	621.8	665.8	610.7
40	-408.3	-403.1	-388.7	828.2	854.9	831.8	797.3	846.7	784.2
50	-506.8	-546.8	-482.7	1043.3	1045.1	1065.8	996.8	1048.3	963.4
60	-633.8	-636.5	-565.3	1228.4	1274.3	1278.6	1247.7	1241.8	1186.0
70	-737.5	-761.3	-672.5	1415.1	1478.3	1491.0	1442.9	1433.0	1397.9
80	-827.5	-820.1	-762.6	1595.3	1729.2	1717.3	1648.2	1626.9	1603.0
90	-956.8	-943.0	-853.0	1791.7	1930.9	1932.9	1854.1		1801.7
100	-1069.5	-1040.4	-931.3	2001.6	2166.1	2167.9	2054.7	1988.1	2000.0

CP1	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-24.7	31.0	24.1	-3.2	-31.0	-29.8	-75.0	-42.2	-102.0
10	194.9	228.5	215.0	-69.5	-92.0	-89.1	238.2	276.8	233.1
20	406.6	430.4	409.9	-121.8	-137.4	-142.9	511.0	545.8	500.8
30	601.4	609.5	611.7	-187.5	-194.7	-191.3	735.3	851.7	738.0
40	794.7	797.5	812.3	-257.4	-251.1	-268.0	979.7	1133.5	972.3
50	985.7	1004.3	1017.8	-323.0	-329.8	-313.7	1226.0	1394.9	1240.3
60	1174.6	1196.8	1215.5	-377.9	-380.4	-379.2	1487.5	1654.3	1489.6
70	1366.5	1415.8	1403.7	-435.4	-445.8	-447.6	1740.4	1892.3	1739.7
80	1574.2	1609.7	1625.4	-505.3	-519.5	-517.1	2000.5	2138.8	1983.3
90	1798.0	1814.1	1821.7	-566.4	-582.0	-581.4	2242.1		2226.7
100	1995.8	2055.0	2044.6	-631.9	-654.8	-666.7	2458.9	2592.5	2463.4

CP1	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-109.0	-71.2	-74.5	-59.8	94.1	87.8	23.4	89.1	-43.2
10	-136.6	-135.3	-89.5	144.3	260.2	241.0	197.9	192.7	167.8
20	-223.9	-207.0	-173.0	333.5	390.4	391.3	353.0	355.2	347.5
30	-297.0	-285.3	-285.6	515.3	539.4	542.2	511.2	532.6	497.2
40	-388.0	-387.4	-373.6	711.1	723.1	702.2	650.4	682.5	650.9
50	-485.1	-505.4	-466.1	889.8	886.7	894.8	805.5	838.0	790.9
60	-596.7	-598.8	-551.2	1046.1	1078.2	1075.8	1005.2	992.0	985.2
70	-705.1	-712.0	-657.1	1217.8	1253.4	1256.1	1168.0	1150.0	1153.9
80	-798.4	-788.0	-739.2	1383.7	1464.2	1447.7	1336.8	1312.8	1316.1
90	-907.6	-885.9	-829.1	1560.7	1635.7	1631.7	1500.4		1482.7
100	-1008.7	-994.8	-923.3	1742.5	1827.9	1823.8	1680.2	1615.0	1650.3

CP1	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-58.7	-41.8	-48.7	-30.5	82.7	80.0	55.3	107.7	19.4
10	-106.0	-109.4	-81.6	144.3	233.4	217.2	200.2	213.9	182.5
20	-179.8	-171.5	-149.1	306.4	353.1	355.2	341.3	363.8	339.1
30	-244.0	-238.5	-238.6	468.9	489.0	491.7	490.8	518.4	480.9
40	-321.0	-318.5	-310.0	640.6	652.2	639.6	626.1	667.1	625.1
50	-398.0	-411.8	-385.8	806.1	802.7	812.3	778.0	828.2	763.8
60	-485.1	-484.0	-455.5	948.5	977.9	977.8	953.7	981.8	946.4
70	-571.2	-576.0	-539.9	1106.5	1138.7	1142.0	1114.3	1138.3	1107.5
80	-648.7	-644.9	-616.0	1261.1	1324.0	1313.5	1280.8	1299.0	1268.6
90	-740.4	-726.4	-692.0	1417.8	1480.2	1481.8	1442.0		1432.1
100	-826.7	-821.6	-773.1	1580.7	1654.2	1657.6	1617.8	1599.6	1595.6

CP1	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-55.0	9.6	11.9	-13.5	-18.9	-18.0	-131.6	-89.1	-181.3
10	183.8	223.6	220.7	-71.0	-77.4	-75.3	218.0	243.6	204.2
20	406.0	435.7	420.2	-121.4	-121.4	-126.4	528.1	553.7	518.8
30	609.6	622.4	626.3	-177.6	-173.9	-170.8	772.3	892.8	781.8
40	808.7	814.5	833.3	-233.9	-225.1	-242.9	1041.9	1184.1	1037.4
50	1003.4	1021.7	1046.8	-290.8	-296.7	-280.9	1313.8	1449.9	1329.6
60	1194.1	1220.1	1251.1	-345.6	-342.0	-343.1	1603.5	1713.1	1600.2
70	1387.0	1442.7	1444.9	-401.6	-400.2	-404.2	1863.7	1958.2	1865.1
80	1597.0	1640.2	1671.0	-471.2	-468.9	-465.9	2127.3	2211.4	2116.3
90	1821.6	1848.4	1870.1	-528.8	-522.2	-522.5	2373.1		2365.6
100	2020.2	2091.8	2096.9	-589.7	-582.8	-596.0	2597.8	2694.6	2608.5

CP1	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	69.9	59.7	58.3	44.1	-73.0	-63.2	-79.9	-17.0	-31.2
10	210.5	214.9	170.2	-59.4	-150.7	-139.8	136.0	255.5	155.5
20	385.9	384.3	351.3	-160.0	-209.2	-208.6	329.5	461.7	332.8
30	551.0	551.4	556.1	-250.4	-276.9	-277.6	513.0	575.2	532.7
40	724.3	730.6	731.9	-363.1	-365.8	-362.0	722.8	790.4	731.7
50	899.8	937.5	911.8	-465.8	-455.5	-455.6	933.0	973.9	961.0
60	1088.9	1114.6	1088.7	-531.8	-551.8	-552.4	1045.8	1158.6	1104.0
70	1279.1	1319.0	1265.6	-611.2	-638.1	-644.8	1233.7	1337.4	1273.9
80	1462.3	1486.9	1457.3	-690.1	-758.2	-744.2	1415.9	1520.4	1451.4
90	1660.7	1663.0	1628.8	-782.9	-845.3	-836.7	1589.6		1627.7
100	1836.7	1871.1	1821.4	-874.8	-941.7	-948.1	1748.0	1904.4	1799.7

CP1	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-99.0	-57.5	-74.5	-42.2	87.1	80.9	60.9	97.8	-37.5
10	-146.9	-147.0	-105.7	141.7	238.1	220.6	183.0	175.1	148.3
20	-228.8	-220.2	-184.3	322.1	371.7	369.0	318.4	311.3	306.4
30	-305.1	-293.6	-291.3	493.3	514.2	521.8	449.8	463.4	431.5
40	-393.1	-389.0	-380.3	680.7	693.9	673.0	564.4	596.8	554.6
50	-485.3	-504.4	-470.4	855.9	844.7	869.7	686.2	733.2	671.3
60	-593.5	-601.0	-557.4	1007.3	1030.6	1044.1	851.1	860.9	818.9
70	-705.0	-711.8	-661.1	1172.4	1198.0	1213.2	1005.0	1001.3	973.2
80	-802.2	-798.1	-754.8	1330.6	1399.1	1393.6	1156.4	1145.9	1121.6
90	-916.1	-898.2	-846.5	1498.8	1563.2	1567.8	1306.0		1269.9
100	-1026.4	-1020.5	-948.2	1673.6	1743.7	1750.0	1469.0	1411.7	1421.1

CP1	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-69.1	-42.1	-53.8	-30.8	74.4	72.7	45.9	81.3	-14.6
10	-120.5	-121.1	-91.3	141.0	222.3	209.2	180.3	187.9	160.4
20	-190.6	-183.2	-156.1	309.5	350.2	350.5	325.2	336.7	322.3
30	-254.9	-246.3	-245.7	470.4	486.8	494.3	468.4	491.0	459.8
40	-329.9	-326.4	-319.1	643.3	653.8	639.7	602.0	635.5	595.7
50	-407.2	-420.0	-395.2	806.7	797.9	820.2	740.8	781.7	729.1
60	-498.1	-498.2	-467.3	952.0	972.0	984.7	905.2	921.6	892.8
70	-589.9	-591.0	-554.1	1112.6	1133.0	1146.1	1066.3	1071.1	1053.7
80	-670.5	-664.7	-632.2	1265.8	1319.2	1317.2	1222.0	1221.8	1209.8
90	-767.7	-749.6	-713.6	1423.5	1474.6	1483.9	1377.7		1364.0
100	-858.9	-852.6	-798.0	1588.1	1646.9	1659.1	1544.0	1508.2	1518.7

CP1	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-58.6	7.3	11.3	-14.3	-9.3	-8.9	-125.0	-70.3	-170.6
10	192.9	233.3	232.1	-68.3	-65.2	-65.1	248.1	276.9	233.7
20	419.7	452.4	436.1	-115.2	-111.0	-116.0	569.4	600.7	562.4
30	629.6	642.3	645.3	-168.3	-161.8	-161.1	828.3	955.9	838.9
40	833.0	839.0	859.9	-220.7	-211.8	-230.7	1110.7	1264.4	1110.0
50	1033.3	1050.1	1078.9	-272.9	-280.1	-268.7	1400.9	1551.0	1416.9
60	1228.5	1256.2	1289.5	-326.6	-321.1	-327.2	1711.8	1835.8	1710.9
70	1428.4	1484.4	1489.1	-379.9	-375.5	-384.4	1988.2	2099.4	1993.1
80	1644.9	1690.9	1723.7	-447.1	-438.2	-441.3	2273.5	2372.7	2266.1
90	1878.2	1905.7	1930.5	-499.8	-488.2	-492.9	2537.4		2535.6
100	2084.1	2159.3	2164.9	-556.4	-543.4	-561.8	2782.3	2891.4	2799.2

CP1	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	76.6	59.0	60.9	44.3	-60.7	-51.3	-52.0	12.9	19.0
10	208.7	212.3	165.1	-42.4	-124.4	-116.3	166.5	290.1	189.9
20	372.0	371.1	335.8	-134.6	-180.4	-176.9	357.0	495.7	366.4
30	526.5	522.4	529.0	-212.6	-238.4	-242.2	547.2	608.8	568.3
40	686.7	691.1	696.2	-313.8	-318.5	-313.9	763.2	831.8	776.7
50	850.5	889.9	862.9	-406.0	-392.9	-402.2	983.2	1031.7	1011.1
60	1033.0	1059.2	1029.7	-459.0	-475.3	-485.2	1107.8	1230.2	1179.7
70	1217.5	1251.8	1198.8	-525.1	-550.4	-563.0	1306.8	1419.4	1360.5
80	1392.2	1415.6	1382.6	-588.2	-656.0	-648.2	1502.3	1614.6	1551.7
90	1581.3	1582.5	1548.1	-670.8	-730.1	-726.8	1687.9		1739.9
100	1750.2	1779.7	1731.7	-752.5	-813.3	-823.3	1861.2	2020.5	1923.3

CP1	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-101.7	-52.8	-73.6	-45.3		76.1		87.1	
10	-148.8	-144.6	-102.9	132.6		207.8		184.1	
20	-213.8	-208.8	-169.9	312.8		355.0		339.7	
30	-284.6	-267.1	-263.9	479.8		510.7		509.2	
40	-360.8	-352.1	-346.7	664.3		657.9		655.6	
50	-440.0	-461.1	-425.1	833.3		855.8		804.1	
60	-542.7	-548.6	-502.8	984.2		1024.0		943.1	
70	-648.9	-647.0	-595.3	1146.5		1187.4		1099.9	
80	-741.5	-730.5	-681.9	1298.7		1361.8		1259.0	
90	-843.3	-823.9	-772.6	1460.7		1531.4			
100	-947.4	-938.1	-861.6	1628.5		1708.1		1545.5	

CP1	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-88.7	-22.7	-17.3	-11.3	-9.4	0.2	-165.1	-110.3	-188.7
10	163.0	201.7	205.9	-67.4	-58.2	-63.8	213.5	231.7	219.2
20	383.8	418.1	403.8	-106.7	-82.9	-106.0	529.1	552.0	533.7
30	585.2	582.5	588.5	-155.6	-122.9	-146.0	775.8	872.7	793.3
40	774.9	781.2	797.9	-200.0	-188.5	-190.5	1040.3	1182.0	1047.3
50	939.5	973.3	1007.7	-225.6	-250.6	-222.0	1314.9	1434.9	1352.2
60	1134.2	1161.1	1198.9	-270.3	-285.0	-268.0	1613.9	1709.5	1625.3
70	1296.4	1369.7	1380.5	-339.9	-306.3	-316.9	1875.5	1946.2	1906.2
80	1515.6	1545.1	1577.6	-401.2	-384.4	-369.3	2140.9	2192.9	2162.1
90	1731.0	1758.8	1791.8	-446.3	-399.8	-414.2	2378.0		2409.3
100	1920.7	1995.1	2004.7	-492.3	-449.6	-493.5	2600.7	2666.9	2647.1

CP1	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-83.9	-66.5	-79.4	-10.8	104.2	104.7	64.5	109.2	-24.4
10	-169.1	-183.6	-176.6	183.0	265.9	257.2	204.7	213.6	161.2
20	-253.4	-255.3	-211.5	398.4	419.4	417.2	342.7	367.9	346.3
30	-325.7	-312.8	-336.1	581.0	583.3	597.5	503.2	531.3	493.1
40	-419.0	-405.3	-415.9	797.1	801.6	765.7	624.4	658.1	610.3
50	-499.1	-527.7	-510.0	998.5	975.7	996.5	755.2	822.1	741.4
60	-603.2	-620.5	-604.8	1190.7	1180.7	1193.3	867.1	950.4	869.8
70	-733.3	-721.6	-707.0	1389.1	1369.5	1383.0	1049.3	1127.1	1036.7
80	-840.1	-834.4	-811.5	1578.6	1600.0	1591.1	1242.4	1307.4	1226.5
90	-972.4	-953.2	-947.6	1779.2	1785.7	1781.1	1420.5		1408.5
100	-1093.7	-1105.4	-1063.5	1982.1	1995.2	1999.4	1609.5	1603.6	1589.4

CP1	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-50.0	22.1	30.7	-25.8	-30.8	-28.0	-160.2	-128.1	-203.5
10	218.5	262.3	271.9	-96.7	-99.5	-99.0	232.7	244.5	222.9
20	464.6	504.1	493.5	-170.1	-161.7	-165.6	563.5	581.2	559.2
30	692.8	708.5	711.2	-241.9	-229.8	-227.6	835.2	953.2	846.6
40	916.5	924.6	945.3	-318.1	-304.4	-313.6	1124.0	1274.5	1140.5
50	1135.4	1153.7	1190.2	-392.2	-388.8	-371.0	1432.0	1562.7	1462.9
60	1350.3	1378.7	1425.9	-470.0	-460.2	-457.0	1771.4	1846.1	1770.2
70	1570.0	1629.7	1645.1	-550.0	-532.8	-534.6	2044.7	2097.3	2065.1
80	1808.9	1861.5	1905.5	-644.0	-629.4	-613.9	2320.3	2366.6	2328.9
90	2068.9	2101.1	2140.4	-726.3	-702.4	-686.4	2570.3		2586.9
100	2295.0	2385.3	2398.9	-803.4	-769.7	-784.3	2807.9	2876.1	2843.5

CP1	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-173.7	-92.5	-72.3	-96.4	93.0	83.5	-15.0	48.6	-166.5
10	-188.7	-150.7	-75.5	96.0	242.8	216.6	149.2	124.0	87.2
20	-230.5	-206.0	-148.5	352.7	391.9	393.3	331.3	303.0	319.3
30	-308.9	-288.2	-259.7	521.2	540.2	559.4	465.0	515.7	452.8
40	-395.5	-376.2	-335.8	739.7	742.9	701.6	603.0	663.5	585.7
50	-465.1	-487.7	-415.0	924.8	879.7	925.8	764.1	813.4	696.5
60	-593.3	-583.9	-483.0	1106.6	1084.9	1079.4	962.2	948.6	844.7
70	-715.9	-681.2	-545.7	1284.2	1270.8	1284.2	1069.0	1109.0	1011.0
80	-819.8	-774.1	-637.4	1439.4	1494.0	1473.7	1241.4	1252.8	1175.5
90	-905.2	-860.4	-741.7	1625.9	1630.5	1645.8	1437.1		1325.7
100	-1024.7	-986.1	-823.0	1807.2	1845.4	1859.0	1545.2	1506.0	1484.4

CP1	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0								-13.4	
10								242.1	
20								415.7	
30								490.4	
40								671.6	
50								832.4	
60								980.9	
70								1127.3	
80								1289.9	
90									
100								1666.8	

CP1	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-41.2	24.9	27.2	-12.4	-19.7	-20.1	-72.7	-41.0	-86.2
10	192.0	223.1	225.6	-80.4	-65.4	-73.3	255.4	293.3	234.0
20	409.6	428.0	418.5	-123.3	-112.0	-121.3	545.9	585.6	531.8
30	590.5	610.4	615.9	-178.1	-165.3	-154.6	774.8	908.4	785.6
40	790.8	811.4	818.5	-235.0	-215.3	-224.7	1051.7	1206.5	1036.8
50	978.7	992.4	1024.2	-289.0	-284.9	-268.7	1308.1	1489.1	1318.9
60	1171.8	1184.2	1240.3	-346.7	-321.2	-328.7	1588.5	1767.0	1591.0
70	1351.6	1401.4	1410.7	-402.2	-377.6	-381.8	1854.1	2018.4	1855.3
80	1559.6	1600.2	1640.3	-472.4	-443.6	-437.3	2132.7	2281.8	2112.9
90	1786.8	1807.4	1838.5	-531.7	-495.1	-496.5	2388.5		2357.3
100	1986.3	2060.2	2071.3	-591.7	-551.4	-554.9	2621.4	2769.7	2631.0

CP1	SG28								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0									
10									
20									
30									
40									
50									
60									
70									
80									
90									
100									

CP1	SG29								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-102.5	-49.3	-45.0	-35.4	61.5	77.9	-39.2		-134.6
10	25.9	41.8	80.5	36.5	112.5	114.5	245.9		192.9
20	98.3	133.6	141.0	131.4	166.3	165.4	502.5	480.3	472.8
30	187.9	191.1	201.5	190.6	200.0	220.8	681.0	789.3	703.1
40	227.4	242.6	269.5	289.3	289.1	270.1	906.1	1014.1	894.3
50	283.5	292.7	325.5	347.0	325.0	369.6	1145.7	1227.2	1108.9
60	349.1	353.2	406.2	427.1	413.2	438.4	1391.3	1459.3	1374.6
70	380.5	408.4	445.0	503.4	481.3	504.2	1611.7	1685.5	1619.2
80	454.4	482.3	518.9	558.7	568.9	582.1	1872.8	1911.2	1843.5
90	516.2	546.5	607.6	625.3	643.6	663.6	2100.0		2052.4
100	564.9	629.4	680.8	671.8	709.4	742.9	2319.0	2330.0	2292.3

CP1B	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-39.7	-8.5	-23.6	20.3	63.2	90.0	65.9	2.3	3.2
10	-142.8	-139.5	-150.4	155.6	206.5	186.9	75.0	73.1	6.5
20	-219.6	-199.3	-225.0	344.4	338.3	359.3	137.4	119.8	130.6
30	-286.9	-260.9	-271.5	477.3	483.9	491.7	231.0	195.1	198.9
40	-359.5	-306.5	-323.9	654.6	662.7	648.2	258.3	256.9	246.4
50	-437.9	-369.7	-385.8	813.0	797.8	795.8	318.5	337.5	357.8
60	-529.8	-446.3	-461.5	978.7	958.6	993.1	411.8	390.0	404.5
70	-614.7	-547.7	-546.5	1126.4	1114.9	1152.0	463.2	459.9	462.0
80	-700.5	-613.8	-644.6	1282.6	1290.4	1285.1	524.4	502.9	541.2
90	-807.3	-700.8	-726.8	1466.4	1459.2	1470.3	608.5	590.4	602.0
100	-916.0	-791.8	-827.1	1617.4	1616.3	1624.6	695.5	658.7	659.4

CP1B	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-30.5	-4.3	-18.0	36.6	56.2	78.3	57.2	6.5	16.2
10	-115.3	-111.4	-121.3	143.2	174.3	159.7	67.4	63.8	15.0
20	-184.6	-171.3	-189.8	292.7	283.4	303.6	116.1	94.6	109.8
30	-250.4	-233.4	-239.8	400.4	404.2	411.9	188.8	150.8	157.9
40	-319.9	-281.4	-295.8	546.5	552.9	543.1	218.5	196.9	189.5
50	-392.2	-344.4	-356.3	676.4	666.5	664.9	278.2	257.7	278.0
60	-472.3	-414.2	-427.1	816.7	800.0	829.8	358.8	296.1	313.2
70	-546.0	-506.2	-503.5	939.1	930.4	963.0	400.6	351.2	359.4
80	-622.0	-566.2	-590.4	1070.2	1075.6	1075.0	451.5	385.0	422.9
90	-715.5	-642.4	-662.8	1224.8	1218.9	1230.4	517.9	452.5	469.7
100	-811.9	-723.9	-749.1	1350.8	1349.5	1359.4	587.4	504.7	513.0

CP1B	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	25.8	-0.4	10.8	-34.0	-24.4	-28.5	44.6	35.7	-40.4
10	209.8	192.6	202.5	-83.5	-82.3	-62.1	178.1	148.6	127.5
20	376.6	377.2	395.2	-149.2	-132.2	-129.6	273.7	263.1	208.8
30	562.8	570.9	578.5	-197.0	-187.9	-184.0	353.9	371.8	349.2
40	761.4	747.1	759.0	-260.2	-256.3	-239.2	488.2	495.3	499.8
50	958.9	930.8	949.5	-312.0	-309.2	-288.5	606.8	619.8	605.4
60	1154.1	1124.6	1144.1	-388.5	-371.0	-355.4	719.1	761.3	748.6
70	1340.4	1330.1	1329.6	-449.5	-433.3	-415.3	849.9	882.7	867.0
80	1521.7	1502.3	1529.9	-509.5	-498.7	-465.1	971.9	1012.0	976.7
90	1705.1	1691.7	1715.3	-585.2	-564.8	-537.9	1085.4	1118.3	1092.0
100	1908.6	1877.7	1908.0	-643.5	-627.0	-598.0	1200.3	1242.1	1216.9

CP1B	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	1.5	-42.0	-45.7	23.0	-72.2	-68.6	-62.5	-9.7	19.1
10	205.3	184.7	185.0	-57.6	-134.3	-117.3	80.4	93.0	156.4
20	383.8	338.6	363.7	-179.4	-205.1	-203.2	189.1	194.5	214.4
30	533.3	496.3	510.1	-260.5	-281.3	-276.2	287.7	284.2	304.0
40	686.5	641.1	646.2	-362.8	-378.9	-362.0	411.6	399.4	403.2
50	843.8	780.0	801.1	-461.2	-457.3	-462.4	549.0	495.3	461.8
60	1010.4	953.5	954.0	-548.9	-551.2	-586.3	643.7	593.0	566.0
70	1186.8	1124.7	1111.3	-623.1	-635.5	-671.9	750.3	677.2	680.4
80	1356.9	1269.0	1291.2	-712.8	-745.5	-743.4	850.9	799.0	757.0
90	1545.9	1447.6	1450.3	-811.9	-842.9	-839.6	939.7	877.4	873.2
100	1725.7	1605.8	1643.6	-902.0	-926.5	-925.6	1025.4	978.4	986.7

CP1B	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-14.5	-24.1	-29.9	57.4	67.6	93.1	99.0	33.2	12.5
10	-134.5	-155.4	-157.6	190.6	216.6	200.6	110.6	114.0	20.5
20	-217.4	-221.6	-238.4	365.1	363.5	379.7	173.2	160.7	147.1
30	-304.7	-281.3	-278.2	501.6	511.8	520.0	268.5	222.2	229.8
40	-392.5	-318.2	-344.4	673.4	684.3	687.4	302.6	300.9	286.0
50	-475.3	-404.1	-401.7	852.0	832.7	831.1	371.2	403.2	407.6
60	-574.0	-467.0	-496.3	1021.1	993.7	1025.4	470.0	453.6	461.0
70	-645.9	-598.7	-586.8	1176.0	1161.0	1202.8	532.8	541.9	531.5
80	-749.9	-665.0	-688.7	1338.2	1348.9	1353.1	618.0	598.2	618.0
90	-877.3	-742.2	-767.0	1530.2	1522.9	1544.8	711.0	685.7	686.3
100	-985.4	-845.1	-861.3	1684.5	1684.6	1705.4	802.8	768.1	762.7

CP1B	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-7.9	-11.6	-19.0	50.4	63.9	91.8	86.0	29.5	21.4
10	-110.0	-125.0	-128.6	198.1	227.3	206.2	104.8	108.1	30.7
20	-188.2	-190.9	-203.9	388.4	387.4	400.3	164.8	148.8	144.0
30	-271.4	-252.6	-248.8	537.3	547.7	553.3	251.5	205.5	216.2
40	-355.2	-292.1	-314.8	721.8	734.1	732.3	300.2	277.0	266.8
50	-432.1	-372.7	-370.4	915.7	894.2	884.5	386.1	367.8	379.3
60	-521.0	-432.0	-457.2	1096.4	1067.4	1092.1	484.0	414.5	430.8
70	-586.7	-549.2	-539.8	1264.1	1247.1	1281.9	543.9	494.9	498.5
80	-678.1	-608.9	-630.6	1436.8	1448.6	1440.5	621.9	548.7	580.3
90	-790.8	-679.4	-700.9	1641.8	1633.9	1644.7	707.8	630.9	642.3
100	-889.5	-771.6	-783.4	1806.9	1806.1	1815.8	794.5	704.7	712.2

CP1B	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	33.3	19.1	35.8	-63.0	2.0	-3.5	104.0	56.5	-53.7
10	200.2	188.6	202.0	-96.9	-51.5	-33.2	216.8	161.7	111.8
20	357.6	381.7	395.6	-132.6	-93.3	-89.9	301.0	277.5	199.8
30	556.9	587.0	591.1	-167.0	-138.7	-133.3	370.4	389.9	352.9
40	769.9	773.0	789.5	-212.1	-191.9	-176.9	497.8	513.2	519.7
50	978.6	974.8	989.8	-240.7	-233.9	-196.1	612.8	642.3	643.7
60	1179.8	1171.9	1202.5	-314.4	-280.2	-232.2	733.3	797.1	797.2
70	1360.8	1393.0	1397.1	-368.5	-329.9	-276.8	866.2	927.5	917.5
80	1543.8	1568.6	1600.0	-415.4	-370.1	-316.4	987.6	1055.6	1032.4
90	1722.8	1754.0	1787.3	-477.6	-422.2	-377.3	1108.5	1168.2	1143.6
100	1924.4	1947.0	1972.9	-522.0	-471.4	-424.5	1233.9	1292.2	1262.6

CP1B	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-47.8	-51.9	-72.6	7.1	-91.6	-93.6	-169.1	-83.7	-11.3
10	139.3	140.6	130.6	-83.2	-169.9	-158.0	-41.0	-8.0	91.8
20	297.2	268.2	276.6	-215.9	-264.7	-260.7	60.9	76.5	133.7
30	423.6	380.4	383.7	-311.0	-351.9	-351.1	147.3	161.6	181.3
40	547.2	483.5	492.2	-420.9	-454.3	-459.1	255.0	230.0	232.1
50	660.3	594.8	601.0	-561.6	-554.1	-577.3	359.8	271.9	244.5
60	787.3	714.7	720.6	-653.9	-658.6	-717.1	418.2	337.4	301.4
70	915.2	858.9	838.7	-741.5	-766.3	-839.7	481.9	367.8	363.1
80	1058.4	964.1	975.5	-847.7	-912.2	-940.3	529.7	441.1	407.9
90	1224.5	1097.1	1093.5	-967.7	-1023.6	-1055.0	575.7	494.9	492.3
100	1361.0	1220.3	1241.5	-1072.1	-1125.6	-1159.9	617.5	555.6	558.3

CP1B	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	0.3	-30.4	-37.1	79.7	44.9	70.4	50.7	33.0	27.4
10	-88.6	-125.7	-120.5	201.4	187.8	175.3	70.4	104.7	34.3
20	-168.7	-201.9	-205.6	337.9	336.6	341.6	121.4	132.6	123.1
30	-275.4	-272.8	-250.6	466.5	470.3	474.8	196.2	161.8	177.2
40	-378.3	-310.8	-339.5	615.8	616.4	626.7	217.4	221.3	210.1
50	-465.4	-421.1	-398.6	788.2	761.3	740.8	272.7	305.6	296.4
60	-561.2	-470.7	-507.2	939.5	901.5	906.6	338.7	326.4	335.7
70	-612.0	-615.2	-595.0	1090.0	1058.5	1075.1	383.9	394.6	392.7
80	-716.2	-678.8	-686.5	1238.0	1229.8	1219.6	452.2	444.3	452.7
90	-838.5	-738.4	-752.3	1413.0	1383.7	1392.3	515.1	500.6	505.0
100	-935.6	-839.5	-824.7	1552.8	1535.1	1539.1	583.1	567.5	569.7

CP1B	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	6.0	-19.0	-24.1	79.0	47.0	73.4	51.7	34.3	30.2
10	-77.8	-111.2	-106.0	203.0	190.5	181.1	81.0	110.4	43.3
20	-154.9	-185.3	-188.8	340.7	340.1	349.0	138.2	144.4	134.1
30	-256.8	-253.8	-229.9	471.7	475.7	483.5	217.4	179.2	195.2
40	-352.5	-284.7	-315.0	621.1	622.7	638.2	258.4	243.7	235.7
50	-432.8	-389.7	-368.0	795.9	769.9	756.6	330.2	331.5	328.6
60	-521.0	-432.4	-468.1	948.8	914.0	927.3	406.4	360.2	375.8
70	-563.7	-569.0	-550.2	1101.4	1072.0	1098.2	459.3	433.8	439.8
80	-662.4	-627.5	-635.5	1250.5	1244.4	1246.2	532.7	490.1	505.4
90	-779.9	-680.5	-695.0	1427.5	1399.7	1420.3	604.6	550.4	562.5
100	-871.9	-775.9	-760.4	1567.9	1552.6	1568.9	681.2	622.9	632.8

CP1B	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	7.4	-10.2	0.3	-58.9	-21.2	-25.9	45.9	14.1	-48.7
10	172.1	172.7	173.4	-98.1	-69.4	-60.8	168.5	126.9	106.7
20	345.2	360.4	368.7	-136.7	-122.5	-118.8	270.5	249.3	207.8
30	542.5	554.2	549.5	-180.1	-170.0	-167.6	365.3	377.6	353.1
40	747.3	724.9	739.7	-230.3	-222.2	-219.4	501.7	504.7	507.0
50	941.5	917.4	921.7	-284.9	-275.5	-250.4	623.2	627.0	624.3
60	1130.4	1095.5	1122.5	-349.9	-324.8	-304.0	747.6	777.9	764.4
70	1298.7	1310.7	1302.1	-405.7	-382.3	-361.9	877.8	898.6	883.3
80	1482.1	1474.4	1492.1	-462.3	-441.1	-413.7	995.6	1023.6	997.3
90	1668.3	1648.4	1665.0	-527.7	-498.2	-478.4	1118.5	1141.5	1117.0
100	1860.8	1830.5	1841.7	-581.0	-556.0	-534.2	1239.5	1261.5	1236.6

CP1B	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-36.7	-18.9	-31.4	-21.9	-53.3	-59.3	-102.0	-72.6	-53.1
10	142.1	158.1	147.0	-99.8	-132.6	-118.1	35.7	19.5	75.4
20	311.3	319.6	319.5	-191.4	-223.5	-212.0	147.5	124.8	146.8
30	481.0	464.9	451.7	-276.6	-297.3	-293.2	237.9	239.6	236.8
40	648.4	590.9	608.1	-361.1	-375.7	-383.4	352.0	330.8	333.0
50	798.8	755.0	744.9	-480.5	-468.0	-466.7	456.9	397.4	386.0
60	956.3	888.3	909.2	-562.0	-553.5	-573.5	549.6	505.7	470.2
70	1090.3	1080.3	1056.1	-649.4	-647.7	-680.1	643.5	562.1	547.0
80	1261.6	1212.5	1216.2	-738.5	-765.8	-768.9	713.6	648.1	623.0
90	1446.3	1355.1	1354.4	-841.5	-854.8	-866.5	793.1	735.3	715.7
100	1606.5	1508.2	1506.4	-926.3	-947.0	-954.1	863.1	811.3	799.8

CP1B	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-30.1	-40.3	-42.3	63.6	34.7	66.0	23.0	11.3	5.7
10	-124.7	-145.4	-148.6	181.8	167.6	168.7	35.6	62.3	2.2
20	-229.8	-240.6	-250.7	317.5	306.3	323.7	68.7	75.6	69.6
30	-343.7	-330.3	-320.5	444.3	440.0	447.9	120.8	93.4	98.4
40	-457.6	-397.8	-424.8	588.5	583.7	600.5	119.2	122.6	107.3
50	-563.3	-512.6	-505.2	748.4	723.4	708.6	155.2	175.3	166.6
60	-676.3	-594.7	-624.7	895.8	857.0	869.7	196.4	183.4	182.9
70	-760.6	-744.7	-734.1	1036.1	1003.4	1024.4	221.2	220.9	206.5
80	-882.0	-827.0	-845.6	1182.3	1160.0	1162.3	258.9	242.6	247.7
90	-1019.1	-921.6	-939.8	1343.5	1307.0	1326.7	295.3	282.1	274.2
100	-1142.9	-1038.6	-1046.9	1480.3	1452.4	1468.4	341.4	324.9	308.5

CP1B	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-5.6	-20.6	-22.5	52.1	34.2	58.3	36.9	13.2	18.0
10	-99.4	-119.8	-121.6	165.6	161.2	156.2	42.7	65.3	9.1
20	-195.2	-210.3	-213.4	299.0	290.3	302.4	73.7	77.0	74.9
30	-303.6	-294.9	-285.0	416.2	415.6	421.8	124.5	95.4	103.8
40	-410.2	-357.6	-380.9	551.9	551.6	563.6	145.9	126.2	114.6
50	-506.0	-464.3	-456.4	698.1	679.0	672.2	193.5	178.6	175.7
60	-608.4	-537.7	-563.9	837.6	807.5	823.3	240.3	188.8	196.9
70	-681.6	-672.9	-661.8	969.6	944.1	968.4	267.2	228.4	224.0
80	-789.2	-746.2	-762.2	1105.0	1094.4	1097.2	308.1	251.9	266.1
90	-910.3	-829.5	-845.8	1258.8	1232.0	1252.8	347.9	291.9	293.3
100	-1021.6	-934.0	-937.1	1384.6	1368.9	1384.5	393.7	330.3	325.8

CP1B	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	18.1	-3.1	6.1	-45.5	-12.1	-14.9	70.5	37.3	-28.0
10	193.0	184.7	190.3	-86.0	-58.3	-51.1	197.2	158.5	134.8
20	376.0	384.1	396.6	-127.9	-109.0	-105.7	305.3	287.2	243.9
30	580.5	591.0	591.7	-171.4	-157.7	-153.7	407.4	420.0	401.7
40	793.9	776.1	791.6	-219.3	-209.3	-204.7	556.2	560.8	567.2
50	999.8	975.3	986.2	-267.3	-260.1	-234.6	686.8	698.2	698.8
60	1201.2	1171.2	1196.1	-332.7	-307.4	-283.5	823.2	857.4	855.4
70	1386.2	1392.1	1389.5	-385.7	-361.2	-335.0	965.1	995.7	992.8
80	1579.8	1567.8	1592.9	-439.7	-414.0	-383.7	1098.8	1136.4	1121.0
90	1774.9	1759.6	1781.3	-500.1	-468.3	-444.4	1237.0	1265.0	1254.2
100	1981.2	1953.8	1975.1	-551.1	-522.1	-496.4	1373.7	1402.4	1390.9

CP1B	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-8.4	-5.4	-18.8	-14.3	-34.9	-45.1	-77.3	-49.9	-36.5
10	180.2	189.8	183.1	-89.1	-108.8	-101.1	72.5	63.4	113.1
20	374.3	375.4	379.8	-176.4	-195.5	-192.9	202.2	190.8	203.0
30	565.1	549.7	538.7	-260.3	-272.2	-270.1	319.4	322.7	324.0
40	756.9	702.8	717.9	-342.5	-350.5	-361.2	463.1	445.1	448.7
50	934.6	889.1	884.2	-451.4	-438.3	-432.8	592.0	543.8	532.9
60	1116.9	1052.9	1071.9	-530.7	-517.1	-532.3	711.5	674.8	647.9
70	1282.0	1267.4	1244.9	-613.3	-606.0	-624.0	828.3	764.1	755.4
80	1482.8	1432.2	1438.1	-695.0	-706.1	-709.6	928.8	879.0	858.8
90	1689.1	1604.8	1603.7	-792.2	-793.1	-803.7	1037.5	990.2	978.7
100	1881.2	1784.2	1786.9	-875.4	-882.1	-889.2	1136.8	1095.9	1091.5

CP1B	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-492.6	-49.0	-42.4	43.5	23.5	59.5	-279.6	29.2	48.7
10	-571.8	-93.5	-105.0	158.5	150.6	163.5	-217.8	85.9	45.7
20	-662.0	-134.7	-142.9	296.6	279.1	308.3	-147.0	142.8	95.8
30	-746.6	-167.5	-167.7	420.4	414.7	426.3	-46.0	209.1	141.0
40	-813.9	-188.4	-213.5	559.0	554.4	578.6	-236.0	280.1	170.8
50	-911.1	-243.5	-246.1	711.8	685.1	690.0	4.8	368.4	249.9
60	-1009.5	-277.0	-304.1	849.3	818.3	844.9	186.7	427.1	283.0
70	-1091.8	-356.7	-364.3	983.8	955.2	987.9	240.7	497.4	318.4
80	-1202.7	-392.0	-419.3	1123.8	1098.0	1123.6	-161.0	558.9	368.5
90	-1321.0	-441.7	-467.7	1273.9	1238.7	1279.6	-167.2	636.1	412.3
100	-2450.9	-505.0	-529.0	1404.8	1377.5	1414.5	-94.7	715.2	469.6

CP1B	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-20.4	-37.0	-32.9	46.1	22.7	47.4	25.0	5.5	-10.5
10	-82.8	-91.6	-101.5	156.4	140.3	149.8	73.6	83.4	20.8
20	-147.8	-151.1	-156.5	281.9	264.1	285.9	131.5	124.0	106.1
30	-217.3	-203.9	-198.0	402.9	391.6	400.0	203.9	175.6	169.2
40	-279.1	-235.7	-259.3	531.0	519.7	538.4	258.3	231.0	218.8
50	-339.3	-305.3	-303.3	676.1	645.9	644.0	339.9	308.0	300.0
60	-408.0	-354.2	-370.5	809.0	770.7	785.2	417.2	358.8	349.4
70	-456.5	-445.1	-443.7	939.6	901.1	919.5	475.4	414.2	393.2
80	-533.7	-491.0	-510.5	1071.2	1034.4	1048.7	537.2	464.2	457.6
90	-623.7	-551.8	-569.5	1213.9	1167.1	1194.2	600.2	530.6	510.8
100	-702.4	-627.4	-636.6	1338.3	1296.4	1319.6	676.4	597.5	572.7

CP1B	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	176.1	-11.8	43.1	-29.6	39.8	-16.6	253.4	11.4	-56.8
10	313.6	-40.4	189.2	-64.0	5.4	-48.1	345.0	-68.8	63.5
20	451.1	102.8	338.1	-278.8	-40.4	-96.8	422.4	197.6	143.8
30	600.1	435.1	487.1	-144.1	-86.2	-128.3	316.4	295.0	246.8
40	749.0	569.8	633.2	-175.6	-126.4	-182.7	425.2	398.1	361.5
50	729.1	710.0	770.6	-215.8	-172.2	-208.5	706.0	492.7	450.4
60	869.3	858.7	925.0	-273.1	-375.5	-254.3	789.0	604.4	559.3
70	1187.2	1016.4	1065.4	-316.0	-427.0	-288.7	894.9	699.0	656.6
80	1333.2	1145.4	1045.6	-358.9	-292.5	-340.4	989.7	805.0	753.9
90	1482.5	1291.6	1363.3	-404.8	-338.3	-386.1	1086.9	893.7	673.8
100	1788.5	1431.6	1663.1	-453.4	-384.1	-434.8	1181.6	988.2	954.4

CP1B	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	12.4	7.8	-11.8	-25.3	-32.5	-50.8	-50.6	-29.7	-13.4
10	179.0	177.1	175.4	-93.3	-100.2	-106.8	69.5	68.6	114.1
20	355.0	344.1	349.8	-169.6	-176.1	-192.4	179.5	177.1	190.8
30	520.4	502.2	492.3	-247.9	-255.5	-263.5	284.5	285.4	290.7
40	684.4	635.5	648.5	-320.5	-329.6	-356.1	412.7	394.1	394.9
50	843.9	800.7	802.0	-421.3	-412.2	-422.1	530.8	486.5	470.7
60	1009.2	954.2	965.5	-494.5	-488.5	-516.2	640.1	596.9	572.0
70	1164.7	1145.1	1127.2	-573.2	-571.0	-608.9	742.9	682.2	672.4
80	1341.6	1289.9	1296.6	-657.0	-661.9	-696.5	837.8	784.3	763.4
90	1532.8	1453.8	1451.1	-742.0	-746.0	-784.9	930.8	880.7	869.4
100	1711.5	1619.4	1624.1	-821.8	-830.4	-868.8	1012.6	970.4	965.7

CP1B	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-28.0	-25.3	-21.0	43.6	18.0	45.9	21.2	-21.6	-26.2
10	-110.8	-108.7	-123.4	180.1	160.0	179.3	57.0	80.6	-0.8
20	-221.9	-213.3	-195.4	342.3	310.4	337.5	96.8	103.4	72.2
30	-321.8	-302.8	-304.0	487.3	476.8	486.3	153.8	138.0	125.4
40	-416.3	-372.3	-389.6	647.6	642.7	653.6	186.9	180.0	171.4
50	-507.8	-465.6	-480.4	813.5	787.9	798.3	246.7	252.9	242.3
60	-613.6	-565.6	-560.7	980.3	944.6	963.4	305.9	294.2	284.0
70	-711.2	-680.0	-674.0	1139.1	1100.6	1123.3	354.8	323.7	306.3
80	-810.9	-750.3	-773.9	1301.3	1268.7	1285.3	396.7	366.1	362.9
90	-930.5	-858.7	-869.7	1468.5	1426.5	1458.3	433.4	428.6	400.7
100	-1047.6	-960.9	-980.4	1621.2	1589.6	1614.5	501.7	474.9	446.7

CP1B	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-27.9	-9.4	-19.5	46.9	20.8	49.5	30.6	3.2	-16.6
10	-89.2	-91.9	-96.2	157.1	152.9	172.8	64.2	107.6	17.0
20	-186.3	-170.1	-152.4	302.3	303.2	305.6	109.5	130.2	84.9
30	-255.6	-238.6	-239.3	422.7	424.3	419.5	159.8	153.6	133.7
40	-351.9	-307.3	-319.6	567.9	567.5	593.1	208.7	209.0	176.8
50	-420.7	-389.6	-403.4	729.3	685.7	714.3	283.9	268.2	249.9
60	-523.5	-471.2	-482.8	855.0	833.1	856.7	360.5	309.8	300.3
70	-608.1	-575.7	-544.2	991.9	964.4	999.7	398.5	348.5	327.2
80	-679.6	-629.0	-637.7	1135.6	1106.1	1143.7	455.5	393.8	388.5
90	-773.3	-697.0	-717.1	1290.5	1256.5	1302.6	489.7	464.5	422.9
100	-864.9	-788.1	-803.1	1424.6	1404.4	1429.6	551.2	529.4	462.9

CP1B	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	9.4	-13.8	-6.1	-40.6	-10.8	-12.1	64.6	46.9	-26.6
10	200.6	181.8	193.6	-96.9	-70.3	-70.7	194.6	152.4	138.5
20	404.3	402.4	402.0	-164.6	-136.1	-137.0	308.5	286.2	250.3
30	615.9	622.7	629.5	-223.7	-208.7	-206.4	408.7	417.2	403.4
40	836.5	823.0	835.0	-288.6	-281.3	-275.6	550.1	558.6	561.8
50	1051.1	1027.8	1050.9	-351.8	-344.7	-335.4	677.5	692.6	691.3
60	1263.3	1245.8	1258.5	-436.3	-413.3	-400.1	812.4	845.7	842.1
70	1469.2	1468.3	1467.9	-507.9	-482.5	-465.0	949.3	991.7	986.8
80	1668.1	1651.2	1681.1	-579.6	-553.9	-535.1	1086.9	1130.6	1110.4
90	1871.4	1863.8	1884.3	-654.6	-623.7	-612.2	1230.5	1252.7	1245.3
100	2090.4	2065.1	2096.1	-723.4	-696.4	-681.4	1360.6	1393.5	1381.6

CP1B	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	3.3	-9.7	-31.0	-16.4	-34.8	-54.3	-42.4	-3.8	-2.5
10	185.5	174.6	172.1	-95.9	-107.9	-118.0	82.8	87.8	132.8
20	380.4	363.5	357.0	-186.6	-186.6	-204.4	209.5	212.2	230.8
30	559.5	544.0	539.0	-277.5	-280.1	-286.4	333.2	333.1	336.8
40	730.2	695.2	701.3	-365.9	-370.2	-383.3	473.7	452.9	447.5
50	899.8	868.6	882.5	-472.3	-452.6	-468.7	608.2	558.9	535.1
60	1079.4	1050.0	1045.7	-563.3	-544.4	-568.1	730.6	680.3	647.0
70	1258.9	1252.5	1226.6	-651.2	-632.4	-667.5	844.1	791.2	765.8
80	1440.2	1403.6	1410.1	-745.1	-733.1	-763.5	958.9	905.5	864.4
90	1640.8	1589.6	1580.0	-838.4	-826.1	-857.7	1071.4	1010.2	991.4
100	1830.1	1762.2	1772.8	-927.8	-919.8	-947.6	1167.6	1121.5	1103.7

CP1B	SG25-45								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-47.1	-115.0	-77.7	-5.5	65.7	74.8	109.6	6.6	-271.0
10	253.9	214.3	237.7	67.5	103.8	121.0	502.5	393.5	192.9
20	646.1	675.1	653.0	114.0	179.2	200.8	866.5	801.4	596.3
30	1095.0	1153.8	1197.9	196.7	238.5	258.1	1202.0	1193.7	1113.4
40	1575.8	1660.2	1641.2	253.5	280.4	328.7	1599.6	1621.9	1624.5
50	2023.1	2060.7	2109.9	398.8	369.8	395.6	1984.6	2069.9	2056.2
60	2434.1	2518.4	2536.4	422.6	433.3	506.4	2412.4	2514.6	2472.5
70	2847.0	2916.6	2927.3	492.9	512.0	602.7	2815.0	2918.9	2854.8
80	3197.1	3280.6	3327.0	551.3	600.7	689.1	3202.8	3312.0	3211.2
90	3506.5	3691.0	3725.8	623.7	675.6	752.2	3600.2	3667.2	3581.9
100	3903.6	4045.1	4110.6	695.8	733.0	820.8	3996.4	4074.9	3989.8

CP1B	SG25-H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	166.7	74.7	143.6	-45.4	74.8	95.9	455.5	252.3	-232.5
10	800.3	719.4	773.4	-13.3	62.2	108.7	1108.6	885.9	564.5
20	1525.4	1569.9	1590.2	5.6	89.3	130.1	1711.6	1578.6	1229.3
30	2408.9	2507.7	2562.3	44.5	98.1	136.4	2278.4	2279.1	2140.7
40	3354.6	3433.8	3452.5	64.0	93.7	172.1	3023.0	3051.3	3066.3
50	4274.3	4285.6	4376.6		133.9	233.6	3734.4	3865.1	3863.0
60	5138.4	5198.0	5281.6	119.5	153.1	319.6	4512.0	4704.5	4682.0
70	5975.0	6080.6	6112.4	125.7	177.8	377.0	5275.8	5475.8	5409.3
80	6753.4	6858.8	6976.7	136.4	230.9	421.0	6017.9	6221.5	6106.4
90	7483.1	7709.8	7815.9	146.7	253.8	427.9	6776.9	6915.2	6801.5
100	8377.8	8514.2	8649.8	168.3	262.6	451.1	7547.7	7672.5	7550.3

CP1B	SG25-L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-8.3	-57.1	-27.8	1.9	60.6	103.5	250.2	96.7	-155.2
10	216.8	162.7	172.4	134.9	193.1	216.2	568.1	475.0	245.9
20	448.7	485.4	491.5	308.3	344.1	386.7	865.0	803.4	632.8
30	761.4	843.1	852.9	448.9	491.3	515.3	1173.3	1154.2	1089.0
40	1089.3	1183.3	1172.4	612.6	653.6	691.9	1527.4	1545.1	1530.6
50	1416.6	1488.7	1517.2	818.2	805.3	854.2	1901.2	1976.2	1967.2
60	1704.9	1811.7	1833.4	936.9	959.1	1067.7	2313.4	2388.7	2371.0
70	1989.8	2087.9	2108.5	1072.3	1112.7	1241.9	2692.8	2784.7	2726.8
80	2233.0	2374.1	2399.4	1233.3	1299.8	1392.0	3075.3	3144.3	3100.9
90	2441.0	2655.2	2679.8	1401.2	1464.2	1569.8	3455.3	3514.5	3447.7
100	2717.7	2917.9	2935.5	1552.0	1617.8	1722.5	3852.1	3899.8	3807.9

CP1B	SG26-45								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-85.0	-144.4	-193.2	92.6	-73.1	-94.7	-339.1	-151.3	-90.3
10	269.5	276.0	250.9	56.9	-103.2	-123.2	112.7	198.7	288.8
20	731.5	662.2	621.5	-77.3	-145.7	-162.8	547.0	585.7	623.6
30	1078.9	999.7	1039.1	-113.5	-195.8	-210.3	960.0	941.8	962.3
40	1432.6	1387.9	1346.8	-189.9	-282.7	-294.6	1311.2	1306.5	1304.0
50	1756.5	1670.8	1705.0	-249.5	-314.1	-415.1	1676.9	1631.3	1570.7
60	2090.8	2049.4	2013.7	-272.4	-379.4	-520.8	2018.9	1961.7	1855.9
70	2475.0	2389.7	2331.1	-277.2	-419.4	-588.6	2343.0	2238.6	2187.6
80	2823.9	2685.2	2679.0	-353.8	-528.6	-634.2	2656.2	2588.5	2461.6
90	3184.9	3077.8	3027.4	-400.3	-589.1	-702.5	2975.5	2888.4	2839.2
100	3562.3	3380.2	3431.4	-450.3	-655.8	-769.7	3279.3	3237.8	3222.0

CP1B	SG26-H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	4.2	-61.7	-158.0	33.9	-258.0	-266.6	-374.9	-124.3	91.0
10	817.0	794.1	741.4	-150.5	-370.8	-397.0	348.0	464.0	723.1
20	1639.7	1500.6	1525.7	-429.0	-577.8	-598.6	1069.8	1107.2	1285.2
30	2325.1	2165.0	2173.2	-649.4	-757.9	-788.7	1776.7	1752.0	1827.6
40	3001.4	2802.9	2808.3	-856.7	-948.6	-1006.5	2426.5	2387.9	2389.1
50	3661.0	3439.7	3478.7	-1177.6	-1168.7	-1270.8	3118.9	2946.6	2865.9
60	4355.2	4154.7	4163.5	-1337.9	-1377.8	-1578.2	3711.8	3557.0	3449.9
70	5090.8	4932.3	4828.0	-1498.1	-1589.7	-1843.1	4309.1	4072.1	4064.9
80	5857.3	5563.9	5576.1	-1739.0	-1911.4	-2077.3	4894.6	4704.9	4609.4
90	6697.9	6332.5	6276.6	-1985.0	-2156.5	-2326.1	5494.3	5299.2	5294.7
100	7526.5	7026.2	7104.0	-2227.1	-2383.7	-2568.7	6080.4	5914.9	5942.7

CP1B	SG26-L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-59.1	-83.9	-112.5	61.0	-22.1	-13.8	-115.1	-55.6	-32.0
10	90.1	87.7	66.6	126.2	54.4	37.9	149.4	191.0	192.9
20	285.8	255.7	233.8	163.0	116.5	118.9	413.3	421.2	438.7
30	428.9	404.8	421.9	231.9	182.5	174.3	679.3	650.6	665.0
40	573.5	583.2	548.6	294.8	241.0	232.8	893.7	888.8	882.5
50	707.9	699.2	711.8	363.1	308.4	250.8	1141.1	1124.3	1098.6
60	838.9	863.1	837.5	446.3	366.9	306.2	1381.6	1341.8	1295.1
70	1005.9	985.5	960.5	536.9	439.5	364.7	1598.9	1538.9	1512.3
80	1144.6	1118.9	1100.9	594.5	483.8	424.0	1815.9	1765.3	1719.8
90	1276.8	1284.0	1245.3	677.8	550.6	496.6	2040.5	1983.3	1965.1
100	1423.2	1400.6	1410.0	743.6	610.4	549.1	2267.2	2223.7	2214.3

CP1B	SG31								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-37.0	-54.9	-49.5	42.0	41.0	66.3	91.1	28.3	-56.3
10	-35.4	-54.8	-60.9	145.5	153.3	156.6	185.0	165.9	58.0
20	-27.0	-12.4	-22.9	274.4	275.6	297.1	281.8	263.7	208.3
30	2.4	37.0	37.5	386.1	397.3	406.2	395.3	374.9	353.9
40	31.1	91.7	71.0	514.1	529.2	542.2	495.6	500.5	486.5
50	61.5	126.2	128.4	662.5	651.1	655.3	620.2	650.3	642.5
60	72.9	160.7	150.6	781.5	775.6	811.7	764.7	774.3	760.4
70	102.7	152.0	159.5	900.5	903.4	947.5	883.9	903.0	869.0
80	97.9	183.5	171.5	1031.5	1047.7	1067.4	1010.1	1012.7	997.2
90	72.1	199.1	187.8	1173.1	1182.9	1216.3	1134.8	1141.9	1110.7
100	71.5	203.2	186.7	1297.0	1310.9	1341.4	1272.3	1273.3	1228.6

CP1B	SG32								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-33.7	-43.9	-49.0	28.8	14.3	32.7	8.6	-1.1	-19.9
10	-27.1	-32.4	-41.4	132.1	121.7	114.5	118.3	133.6	76.7
20	-4.9	-6.0	-15.8	246.5	228.0	238.4	236.2	233.9	222.0
30	7.0	18.5	27.5	354.9	335.8	333.9	369.0	344.6	342.1
40	18.5	57.9	37.0	473.9	449.9	446.7	465.0	464.5	452.1
50	32.5	63.1	68.3	597.8	556.5	533.0	590.3	598.4	588.3
60	34.5	88.8	78.1	717.4	663.9	656.4	723.7	707.7	690.2
70	55.5	74.3	80.4	833.0	777.0	768.1	833.6	820.0	796.4
80	53.9	95.7	87.0	946.6	891.0	870.0	952.5	928.2	914.2
90	41.0	112.7	100.1	1076.2	1006.3	994.9	1069.0	1050.4	1031.1
100	45.4	111.0	109.8	1186.3	1116.5	1097.6	1197.5	1173.4	1150.2

CP1B	SG33								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	42.2	-4.3	31.9	-79.9	16.6	26.5	218.8	97.7	-119.5
10	379.7	325.6	354.3	-91.1	-9.1	17.8	494.7	388.0	255.2
20	692.1	714.5	748.4	-81.2	-23.8	-4.9	725.6	668.3	521.1
30	1083.1	1132.7	1142.6	-94.2	-45.7	-29.8	943.9	957.7	899.0
40	1499.3	1510.4	1539.2	-99.6	-60.9	-33.9	1261.0	1276.3	1283.7
50	1909.9	1902.3	1937.9	-85.2	-78.8	-8.7	1561.0	1613.5	1617.0
60	2299.8	2296.1	2349.1	-146.4	-93.3	4.6	1878.4	1974.0	1979.0
70	2664.3	2706.4	2724.7	-181.8	-116.0	-2.9	2200.0	2302.9	2284.8
80	3017.5	3053.9	3116.4	-196.3	-116.1	-18.5	2511.7	2612.2	2582.2
90	3359.1	3421.4	3482.1	-225.2	-136.3	-43.3	2824.2	2901.5	2864.9
100	3746.1	3787.3	3842.6	-245.9	-158.5	-62.9	3140.1	3210.0	3159.1

CP1B	SG34								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-20.2	-31.5	-73.5	0.2	-108.3	-118.6	-198.7	-75.9	37.7
10	284.5	286.0	267.5	-94.5	-183.2	-195.0	50.8	105.9	244.1
20	585.6	533.7	544.7	-234.3	-297.1	-313.2	289.0	314.1	403.0
30	825.5	759.5	760.4	-343.4	-400.8	-418.6	517.7	520.2	557.6
40	1060.6	970.9	978.4	-456.1	-514.3	-545.2	725.4	715.1	719.7
50	1286.1	1192.8	1203.2	-621.1	-635.3	-685.3	941.5	870.5	842.3
60	1530.1	1436.0	1439.7	-712.8	-751.6	-852.1	1113.5	1055.1	1015.8
70	1787.6	1717.8	1675.1	-804.7	-872.0	-995.6	1294.1	1199.5	1205.7
80	2063.7	1932.0	1937.7	-930.2	-1036.8	-1118.6	1466.1	1397.1	1365.3
90	2372.7	2201.1	2179.7	-1058.0	-1165.4	-1253.0	1642.3	1572.4	1583.8
100	2651.5	2443.8	2472.4	-1176.1	-1283.3	-1379.3	1806.0	1759.0	1782.9

CP1B	SG35								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-41.0	-51.7	-50.7	45.8	46.3	85.7	121.2	46.0	-35.3
10	-84.4	-101.0	-113.7	188.0	199.5	204.6	196.4	184.6	58.5
20	-127.3	-105.3	-117.6	367.7	362.5	390.1	283.2	266.8	215.2
30	-147.3	-99.9	-105.4	517.4	523.6	535.2	397.3	369.9	351.1
40	-171.8	-90.1	-117.2	693.4	702.8	715.3	484.2	489.0	468.4
50	-188.2	-107.5	-110.8	884.2	861.9	865.3	606.6	640.3	631.8
60	-226.3	-118.8	-136.5	1050.2	1027.2	1069.4	751.6	755.1	741.3
70	-251.8	-183.3	-175.4	1208.6	1195.4	1247.7	865.6	883.4	844.5
80	-304.3	-186.9	-210.9	1384.8	1386.5	1404.5	993.2	985.4	977.8
90	-380.3	-216.9	-238.9	1574.9	1564.7	1603.4	1116.4	1120.0	1087.6
100	-429.5	-256.8	-289.6	1739.7	1735.5	1769.8	1257.4	1251.7	1200.3

CP1B	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-31.9	-46.2	-54.7	32.5	24.6	51.4	26.4	-1.4	-32.3
10	-41.3	-53.2	-67.8	167.2	164.3	158.3	145.0	157.3	77.1
20	-36.0	-36.9	-51.6	322.1	304.5	322.0	276.3	269.5	249.2
30	-37.2	-19.5	-15.3	464.0	447.3	449.2	428.0	396.2	391.5
40	-38.3	15.1	-13.9	621.8	599.3	600.9	536.4	534.8	518.4
50	-36.3	7.9	10.6	788.1	740.6	719.8	680.3	692.8	681.9
60	-48.2	25.5	3.5	944.1	882.9	887.1	836.1	817.2	798.3
70	-38.0	-8.9	-9.9	1092.6	1032.3	1038.0	962.5	948.2	920.0
80	-53.8	5.3	-16.8	1243.2	1186.9	1173.5	1099.5	1070.0	1056.8
90	-86.8	11.9	-14.5	1413.3	1339.9	1340.7	1235.2	1211.7	1187.8
100	-97.1	-3.4	-18.3	1557.3	1486.1	1479.0	1383.9	1353.2	1322.4

CP1B	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	37.6	3.3	33.1	-67.7	15.7	19.7	170.5	77.4	-92.2
10	288.2	249.0	272.2	-80.4	-13.1	7.1	368.2	284.7	184.0
20	524.6	542.8	566.6	-80.2	-30.9	-17.5	532.4	489.2	372.7
30	820.0	857.7	865.6	-92.9	-56.7	-44.8	683.7	696.4	651.1
40	1137.4	1143.9	1165.4	-105.3	-78.1	-58.5	916.9	927.2	935.9
50	1446.7	1441.8	1467.8	-97.1	-97.2	-44.8	1132.1	1169.5	1176.0
60	1744.5	1736.8	1779.1	-153.3	-116.2	-43.7	1359.1	1434.9	1440.1
70	2023.9	2051.9	2064.2	-186.2	-139.2	-56.2	1592.8	1673.3	1664.7
80	2288.5	2312.9	2360.6	-204.0	-148.0	-73.9	1817.5	1899.8	1878.9
90	2546.3	2592.7	2636.7	-234.4	-172.2	-103.5	2048.7	2105.7	2081.6
100	2839.1	2867.2	2910.6	-257.2	-196.1	-125.6	2277.8	2331.9	2297.7

CP1B	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-87.3	-98.2	-182.0	4.4	-239.9	-261.6	-458.8	-186.2	74.8
10	512.7	525.6	490.4	-231.6	-431.6	-447.4	-3.6	115.6	432.3
20	1095.7	988.3	1012.2	-571.2	-704.5	-737.0	422.8	481.2	680.2
30	1546.8	1401.5	1403.2	-834.5	-957.6	-989.0	823.2	835.3	918.8
40	1984.5	1784.5	1804.3	-1113.1	-1236.0	-1294.6	1181.1	1159.9	1173.6
50	2397.0	2192.0	2212.1	-1499.2	-1524.5	-1623.2	1550.9	1397.3	1341.6
60	2854.7	2637.1	2647.4	-1726.7	-1806.5	-2018.7	1821.8	1700.4	1623.6
70	3332.2	3167.9	3083.4	-1956.6	-2096.4	-2355.6	2119.7	1919.7	1942.0
80	3853.3	3554.2	3567.8	-2259.0	-2483.7	-2644.9	2393.2	2252.5	2190.9
90	4441.2	4049.5	4012.0	-2569.6	-2794.6	-2968.6	2676.8	2532.5	2565.3
100	4952.6	4497.4	4556.9	-2854.0	-3079.2	-3267.9	2926.7	2833.4	2896.5

CP1B	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-55.8	-61.5	-65.1	53.6	41.0	73.8	55.0	9.8	-32.9
10	-146.0	-153.6	-166.7	186.3	182.6	181.2	87.8	92.8	-0.7
20	-220.5	-208.3	-229.1	342.3	332.1	352.9	140.3	133.5	106.5
30	-292.4	-261.9	-262.9	479.9	479.8	486.4	216.4	187.1	177.7
40	-370.2	-296.6	-328.4	637.7	639.7	646.2	248.2	249.5	231.1
50	-444.2	-372.2	-378.1	811.0	788.3	773.0	314.3	337.1	327.5
60	-535.9	-435.7	-462.6	968.5	939.0	953.7	399.4	386.1	369.1
70	-607.8	-556.7	-552.5	1118.5	1095.3	1117.2	453.8	451.4	417.3
80	-707.7	-613.9	-643.7	1276.4	1267.1	1261.7	520.9	497.8	488.5
90	-830.1	-691.4	-721.0	1452.7	1430.2	1442.7	586.0	572.3	545.9
100	-929.5	-785.2	-817.2	1603.3	1585.7	1594.3	664.3	646.2	607.2

CP1B	SG40								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-26.5	-35.2	-40.4	19.2	27.6	49.7	41.2	9.7	-21.0
10	-56.3	-65.5	-76.5	140.0	148.6	142.6	118.9	126.2	51.5
20	-74.9	-71.1	-83.6	281.7	271.4	284.7	208.5	201.9	180.8
30	-94.6	-74.7	-72.4	406.8	394.8	396.2	316.8	290.9	285.3
40	-114.1	-64.1	-87.4	546.8	529.8	529.5	390.0	390.3	376.5
50	-130.0	-86.1	-85.3	693.4	652.8	637.8	492.5	508.7	502.1
60	-158.9	-91.2	-109.1	828.6	778.4	786.9	607.7	597.4	586.6
70	-170.8	-140.9	-138.2	957.8	909.0	919.6	698.7	695.9	673.2
80	-204.6	-145.9	-164.6	1091.2	1047.8	1038.0	800.1	781.9	776.0
90	-255.2	-161.7	-182.0	1241.1	1182.9	1185.0	899.9	887.2	869.1
100	-286.5	-193.4	-208.4	1368.2	1311.0	1306.7	1011.9	992.0	965.4

CP1B	SG41								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	38.3	10.5	37.4	-61.5	10.9	14.7	148.3	76.2	-63.2
10	241.9	212.2	232.9	-74.3	-19.7	-1.3	304.2	237.2	156.5
20	433.9	450.4	471.6	-79.2	-40.5	-31.0	431.6	399.2	301.5
30	675.1	706.2	714.3	-95.3	-67.6	-60.7	549.6	562.1	523.0
40	933.5	940.3	958.9	-112.6	-92.1	-79.3	732.9	745.2	750.9
50	1187.6	1182.5	1204.3	-111.7	-115.0	-75.4	904.6	939.4	941.2
60	1431.6	1425.8	1460.0	-164.2	-135.9	-83.8	1087.4	1152.2	1154.3
70	1659.1	1683.3	1695.6	-197.4	-162.5	-100.7	1275.1	1344.5	1333.7
80	1878.6	1898.3	1939.1	-217.8	-177.8	-123.7	1456.3	1526.9	1505.5
90	2091.2	2128.3	2168.6	-249.5	-204.5	-156.2	1640.1	1693.9	1669.6
100	2332.3	2357.6	2394.4	-276.1	-230.2	-181.4	1823.7	1876.1	1842.6

CP1B	SG42								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-34.9	-40.3	-74.4	-6.0	-91.8	-101.2	-192.1	-79.7	22.7
10	194.4	200.4	185.5	-91.8	-166.9	-173.5	-15.7	34.2	159.9
20	418.0	377.5	384.7	-220.6	-272.0	-285.1	148.7	173.4	251.7
30	589.0	532.5	533.6	-318.0	-369.0	-383.0	301.1	307.3	339.8
40	754.7	678.3	684.5	-423.9	-477.5	-501.9	436.6	429.4	434.2
50	910.4	831.1	837.3	-571.2	-587.8	-629.7	576.0	516.5	492.7
60	1082.8	1000.4	1001.7	-658.2	-696.8	-783.0	676.5	629.0	595.9
70	1264.3	1201.5	1166.9	-745.2	-808.5	-913.7	785.9	707.0	714.0
80	1463.0	1348.1	1352.0	-860.6	-958.9	-1025.3	886.4	831.4	804.5
90	1689.4	1537.6	1520.3	-979.0	-1077.9	-1150.7	989.5	935.0	945.3
100	1882.3	1707.6	1729.0	-1087.3	-1187.7	-1266.9	1080.4	1046.8	1069.5

CP1B	SG43-45								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	20.3	-1.1	-62.3	-79.0	2.3	-225.6	-109.7	-0.7	141.0
10	540.6	525.9	486.1	-154.1	-109.9	-302.7	317.9	391.6	535.4
20	1013.9	944.9	995.3	-218.1	-178.3	-402.5	754.6	780.1	909.6
30	1433.3	1358.9	1333.1	-335.1	-343.3	-513.6	1216.0	1198.5	1254.6
40	1831.7	1711.1	1735.7	-385.0	-468.7	-630.3	1637.2	1612.3	1614.5
50	2241.2	2135.9	2141.6	-594.1	-429.4	-766.3	2109.5	1988.8	1966.8
60	2669.8	2557.5	2583.4	-613.4	-604.5	-916.0	2502.4	2401.4	2380.0
70	3104.4	3055.4	2995.7	-766.1	-660.8	-1100.7	2909.8	2769.1	2794.4
80	3581.2	3457.5	3461.9	-857.4	-800.4	-1260.5	3317.0	3180.0	3189.5
90	4110.8	3911.7	3879.7	-1003.2	-941.2	-1430.4	3723.1	3602.5	3638.1
100	4611.3	4350.8	4369.3	-1052.8	-1064.8	-1600.4	4120.1	4003.9	4045.1

CP1B	SG43-H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-41.9	-60.8	-170.3	14.2	-215.5	-251.1	-381.4	-143.4	85.0
10	749.5	749.3	701.7	-201.7	-354.8	-408.3	272.8	390.9	673.5
20	1513.6	1409.8	1454.0	-475.2	-602.3	-647.3	912.4	964.2	1164.9
30	2160.0	2035.0	2014.9	-733.5	-819.0	-863.4	1546.0	1548.6	1636.0
40	2784.7	2591.9	2615.2	-959.9	-1034.1	-1114.0	2131.5	2114.3	2121.2
50	3403.6	3208.9	3231.3	-1327.6	-1296.6	-1389.4	2752.6	2596.5	2546.1
60	4056.9	3861.6	3876.8	-1519.9	-1516.2	-1724.8	3263.5	3144.1	3080.9
70	4731.2	4610.9	4508.0	-1722.4	-1768.7	-2018.9	3797.1	3609.2	3632.4
80	5457.9	5201.9	5208.0	-1981.9	-2100.1	-2283.8	4319.5	4164.9	4127.7
90	6257.4	5897.8	5846.2	-2248.4	-2364.8	-2551.9	4837.5	4690.0	4735.6
100	6969.1	6548.6	6590.7	-2502.9	-2604.4	-2818.2	5319.3	5221.6	5279.5

CP1B	SG43-L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-24.2	-45.4	-69.5	-153.7	-349.3	-27.1	-43.5	-3.7	17.5
10	185.6	181.3	154.5	19.4	-287.9	56.8	227.3	264.3	265.8
20	388.2	367.7	375.9	114.8	-245.7	125.5	493.0	499.2	528.9
30	564.0	552.2	548.9	183.7	-186.7	175.7	776.0	755.2	768.4
40	736.4	726.9	714.1	260.6	-113.5	218.2	1025.4	1017.1	1009.0
50	911.1	896.5	903.7	294.7	-88.8	238.7	1312.7	1282.8	1255.9
60	1080.5	1083.4	1080.5	357.4	-118.8	291.9	1583.4	1537.6	1503.3
70	1269.0	1269.5	1243.0	423.1	66.8	339.9	1832.0	1764.9	1749.3
80	1457.4	1448.8	1434.4	488.4	-105.5	400.2	2087.2	2020.2	1999.6
90	1649.3	1639.2	1611.0	559.1	-357.3	474.4	2341.0	2287.5	2270.6
100	1846.4	1813.4	1815.6	611.6	-312.7	533.4	2596.7	2548.6	2534.3

CP1B	SG46								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0				463.1	94.9	67.5	228.6	112.9	122.9
10				264.4	185.9	138.4	324.7	242.2	211.3
20				325.7	290.0	244.0	416.9	319.7	338.7
30				281.4	407.0	337.7	526.3	415.2	447.5
40				375.6	533.0	464.4	613.8	519.1	551.1
50				416.2	661.8	553.1	730.0	648.3	680.9
60				522.3	962.0	678.2	917.5	797.2	782.2
70				600.1	1048.6	787.8	1085.8	954.8	945.9
80				693.5	1153.7	896.4	1115.5	982.2	1025.1
90				806.1	1269.4	1026.8	1411.5	1149.6	1120.5
100				905.6	1365.7	1128.6	1617.5	1378.9	1496.8

CP1B	SG47								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	6.4		-20.8	-6663.4	-380.5	-537.0	-2505.3	-97.6	20.4
10	274.1		266.0	-6102.9	-1431.1	-732.3	-1380.9	49.9	195.9
20	552.4	482.3	511.2	-4266.1	-791.6	-1099.0	-922.8	237.8	332.0
30	768.0	685.3	704.1	-3116.4	-1343.2	-1026.4	-1018.6	415.6	457.7
40	974.0	874.5	904.6	-2696.7	-390.5	-451.5	-1259.7	580.8	583.6
50	1171.6	1139.5	1164.9	-2468.7	-2647.8	-1005.3	-1123.2	703.4	679.9
60	1390.9	1357.0	1392.6	-2526.5	-5351.2	-1307.3	-7160.8	850.1	820.5
70	1688.7	1609.8	1607.7	-1509.2	-4655.0	-1037.2	-1495.5	970.1	980.6
80	1935.5	1796.6	1845.4	-4268.9	-4024.2	-1529.4	-1415.2	1127.9	1108.7
90	2206.9	2034.2	2064.2	-5935.7	-4087.3	-1899.6	-1310.5	1269.5	1288.0
100		2250.0	2324.5	-6986.2	-4425.6	-2224.9	-6601.5	1417.2	1448.0

CP1B	SG48								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-6.9	-7.0	-10.5	13.4	10.0	37.2	66.7	34.5	7.4
10	-8.0	-12.2	-29.2	117.9	120.6	128.3	147.9	156.2	88.0
20	-30.4	-22.1	-17.4	248.1	230.2	252.3	228.9	224.7	205.2
30	-41.0	-19.0	-24.9	358.2	349.0	351.9	329.1	313.6	304.1
40	-50.7	-18.6	-32.3	484.8	476.8	479.0	410.9	410.9	398.8
50	-53.2	-21.0	-26.3	609.7	584.4	583.5	522.3	529.4	523.9
60	-67.1	-24.0	-27.2	729.7	698.3	714.6	637.2	631.6	622.4
70	-74.0	-44.3	-44.6	842.2	813.2	829.0	739.0	730.8	711.0
80	-86.8	-33.0	-50.3	964.3	935.0	936.5	843.7	824.0	823.2
90	-110.2	-43.3	-57.6	1092.9	1054.8	1069.3	942.7	940.2	920.6
100	-122.9	-52.4	-71.2	1207.1	1173.8	1180.4	1063.5	1047.7	1018.9

CP1B	SG49								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-56.1	-77.3	-119.8	25.9	34.5	-266.4	-262.3	-128.2	-12.9
10	176.6	187.6	172.9	-102.2	-105.1	-302.4	-66.2	-9.8	139.0
20	461.0	408.4	397.6	-303.0	-256.9	-381.9	135.4	163.4	254.0
30	664.9	596.3	601.1	-501.8	-414.3	-473.9	318.2	316.0	356.0
40	857.5	783.1	777.8	-718.8	-588.2	-746.0	468.7	454.5	459.6
50	1034.8	955.1	966.1	-936.9	158.6	-927.9	615.0	547.9	515.5
60	1231.9	1158.7	1143.4	-1080.4	45.0	-1113.5	723.7	661.8	614.5
70	1446.1	1383.5	1333.6	-1209.2	-165.2	-1313.2	839.4	745.2	744.6
80	1665.2	1543.9	1537.6	-1407.8	-417.9	-1476.3	946.6	876.2	832.8
90	1913.8	1764.0	1729.9	-1595.0	-593.5	-1630.0	1060.8	981.3	986.3
100	2136.9	1949.9	1970.4	-1787.5	-766.2	-1756.8	1149.4	1098.1	1125.6

CP1B	SG50								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0				14.7	26.8	53.4			
10				142.8	149.2	159.4			
20				293.0	278.6	303.5			
30				422.6	415.1	421.4			
40				569.2	561.0	569.1			
50				724.3	690.9	696.8			
60				862.9	824.5	855.3			
70				993.3	959.9	993.1			
80				1138.9	1106.6	1122.3			
90				1290.1	1247.8	1277.2			
100				1425.3	1386.9	1408.3			

CP1B	SG51								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-59.8	-86.9	-133.7	12.0	-87.8	-118.3	-248.7	-123.4	12.7
10	173.8	191.9	173.2	-75.9	-167.8	-199.0	-39.9	18.7	170.2
20	459.5	414.7	405.8	-224.9	-279.8	-313.8	178.8	205.5	310.7
30	666.8	598.9	598.4	-336.3	-388.4	-414.1	383.6	378.1	426.9
40	863.0	788.0	783.1	-458.5	-511.7	-548.7	549.8	539.1	545.7
50	1042.6	960.6	968.5	-618.4	-628.2	-696.8	721.7	652.2	623.0
60	1236.5	1160.9	1142.4	-706.3	-745.5	-865.0	851.5	783.4	741.3
70	1447.6	1385.1	1331.1	-794.4	-859.7	-1003.8	986.5	888.3	891.5
80	1670.8	1551.0	1536.9	-925.0	-1018.3	-1125.0	1116.4	1037.9	1003.4
90	1922.3	1772.3	1730.7	-1049.8	-1145.7	-1259.8	1249.7	1169.6	1184.2
100	2149.0	1959.0	1973.6	-1167.5	-1266.8	-1387.7	1361.5	1306.3	1347.1

CP2	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	30.6			38.4			40.8		
10	-64.3			210.9			121.5		
20	-203.7			381.3			172.9		
30	-282.0			566.7			264.4		
40	-403.5			742.9			322.6		
50	-505.3			937.4			426.9		
60	-601.2			1133.5			500.3		
70	-690.8			1308.4			590.1		
80	-787.7			1503.0			671.8		
90	-894.1			1699.2			779.6		
100	-986.4			1868.4			833.0		

CP2	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	32.9			39.5			42.7		
10	-61.7			199.5			107.5		
20	-183.8			353.1			157.7		
30	-259.5			524.0			242.8		
40	-365.3			686.2			299.9		
50	-459.6			862.9			396.7		
60	-545.4			1044.5			465.0		
70	-628.2			1208.1			547.6		
80	-718.5			1385.1			622.5		
90	-812.7			1567.9			722.1		
100	-899.1			1724.8			771.4		

CP2	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-80.1			-66.5			-78.6		
10	190.4			-122.9			123.6		
20	391.2			-158.0			265.4		
30	614.3			-240.4			385.3		
40	815.4			-312.0			505.5		
50	1007.6			-393.3			621.5		
60	1205.6			-473.0			754.6		
70	1403.2			-555.4			883.9		
80	1620.0			-614.8			1022.0		
90	1825.1			-728.6			1129.8		
100	2030.5			-782.2			1264.7		

CP2	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	22.1			2.2			-4.6		
10	155.2			-98.4			59.7		
20	395.4			-223.5			180.5		
30	550.8			-297.2			287.0		
40	761.1			-406.3			403.3		
50	963.0			-506.6			504.3		
60	1162.8			-617.0			612.2		
70	1343.9			-698.7			714.9		
80	1528.8			-807.6			808.1		
90	1715.0			-906.5			881.1		
100	1889.0			-1011.1			1004.3		

CP2	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	48.0			70.9			62.9		
10	-74.6			265.4			135.7		
20	-239.9			457.8			177.7		
30	-344.7			645.9			264.6		
40	-486.6			820.9			301.7		
50	-610.1			1037.2			405.4		
60	-733.5			1257.1			479.3		
70	-839.9			1429.9			572.4		
80	-963.4			1683.1			652.8		
90	-1081.4			1888.8			748.8		
100	-1197.1			2084.9			801.1		

CP2	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-668.7			10.6			41.8		
10	-757.0			176.3			121.4		
20	-872.1			344.1			176.0		
30	-943.8			513.8			268.4		
40	-1041.4			685.0			317.8		
50	-1127.3			878.1			422.4		
60	-1212.1			1070.1			501.2		
70	-1285.1			1212.9			595.7		
80	-3982.7			1386.1			677.6		
90	-2633.5			1568.3			772.4		
100	-1812.0			1732.5			833.5		

CP2	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-130.7			-115.9			-125.5		
10	214.9			-148.5			150.6		
20	394.0			-147.3			307.6		
30	657.2			-219.2			440.2		
40	855.3			-268.8			570.5		
50	1048.5			-342.5			698.7		
60	1252.6			-399.1			849.0		
70	1461.9			-477.2			993.2		
80	1696.7			-536.4			1153.5		
90	1912.5			-651.5			1283.5		
100	2138.1			-675.3			1426.5		

CP2	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-14106.6			6002.5			16.9		
10	-14045.9			-695.3			5.0		
20	-14209.8			-919.7			84.9		
30	-14113.2			-992.2			147.9		
40	-13706.2			-890.0			246.6		
50	-15373.9			-1299.6			308.4		
60	-13306.3			-1926.9			369.0		
70	-13497.9			-2397.7			423.9		
80	-30042.5			-1776.7			469.5		
90	-31310.8			-2721.2			514.1		
100	-33197.2			-2837.6			587.6		

CP2	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	49.9			59.6			39.1		
10	-76.0			231.2			114.4		
20	-213.7			402.2			154.5		
30	-314.2			562.6			237.6		
40	-432.2			703.0			264.3		
50	-535.3			901.3			361.2		
60	-649.1			1098.4			432.7		
70	-740.8			1255.2			519.7		
80	-861.1			1448.2			587.8		
90	-961.0			1632.8			660.1		
100	-1067.0			1814.6			718.1		

CP2	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	45.6			58.7			37.0		
10	-60.3			210.5			103.7		
20	-167.9			355.8			151.9		
30	-247.8			502.3			238.3		
40	-341.5			627.6			274.4		
50	-423.4			805.5			371.8		
60	-513.5			983.7			445.3		
70	-586.6			1125.8			531.5		
80	-679.1			1295.4			599.9		
90	-758.5			1462.6			674.8		
100	-844.1			1619.2			735.6		

CP2	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-106.9			-75.9			-104.6		
10	186.7			-123.5			112.4		
20	385.7			-162.6			273.3		
30	616.9			-216.2			397.8		
40	815.7			-270.4			533.3		
50	1003.8			-349.3			654.5		
60	1207.5			-416.3			790.2		
70	1403.6			-491.9			921.0		
80	1624.6			-543.4			1065.6		
90	1822.7			-646.2			1189.8		
100	2033.0			-690.0			1319.8		

CP2	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	3.8			6.0			-7.6		
10	146.3			-99.5			49.6		
20	365.9			-220.2			157.6		
30	523.9			-291.0			247.2		
40	719.5			-379.2			373.1		
50	902.4			-476.0			459.3		
60	1097.2			-596.1			546.9		
70	1265.1			-666.0			630.5		
80	1448.8			-768.0			719.0		
90	1612.7			-861.9			803.4		
100	1786.9			-966.0			895.4		

CP2	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	42.6			68.1			42.6		
10	-81.2			244.6			110.6		
20	-233.9			411.4			128.7		
30	-346.3			567.0			204.3		
40	-476.6			730.7			232.5		
50	-592.3			937.8			317.4		
60	-712.1			1133.5			377.1		
70	-818.9			1302.6			449.3		
80	-947.3			1492.1			508.9		
90	-1056.8			1683.9			578.4		
100	-1178.8			1866.1			624.6		

CP2	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	36.0			58.8			23.5		
10	-54.9			218.4			107.7		
20	-163.8			368.8			156.3		
30	-241.7			517.4			249.3		
40	-333.4			663.4			298.5		
50	-414.3			855.3			400.2		
60	-497.2			1035.4			477.8		
70	-570.9			1188.7			566.4		
80	-661.8			1363.1			641.0		
90	-738.3			1535.9			722.5		
100	-824.0			1698.8			786.4		

CP2	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-99.7			-77.2			-96.1		
10	200.2			-136.3			122.6		
20	409.5			-180.3			284.2		
30	655.6			-244.2			410.6		
40	864.5			-315.3			542.1		
50	1065.2			-408.0			665.4		
60	1275.9			-484.1			805.4		
70	1485.1			-571.2			941.4		
80	1719.8			-629.5			1089.4		
90	1932.0			-744.5			1213.8		
100	2156.8			-798.5			1349.0		

CP2	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	3.2			-23.7			-20.8		
10	178.4			-145.0			56.7		
20	441.2			-274.7			200.9		
30	636.1			-343.9			314.3		
40	868.5			-456.6			460.5		
50	1088.3			-569.3			571.6		
60	1316.8			-699.0			684.0		
70	1520.2			-793.0			790.7		
80	1740.5			-908.9			902.6		
90	1949.3			-1025.9			1003.4		
100	2158.2			-1150.6			1118.5		

CP2	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	8.9			61.5			8.1		
10	-38.6			244.5			128.7		
20	-162.8			403.9			179.3		
30	-230.3			551.6			282.5		
40	-327.7			726.7			342.3		
50	-414.5			940.0			450.0		
60	-495.6			1134.2			538.8		
70	-568.7			1297.7			636.2		
80	-654.8			1491.9			724.7		
90	-724.2			1667.4			818.4		
100	-808.5			1848.5			891.9		

CP2	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-0.6			71.4			43.4		
10	-72.4			217.2			109.3		
20	-193.6			345.2			135.4		
30	-272.9			472.3			199.0		
40	-373.9			618.9			230.4		
50	-468.9			797.7			304.4		
60	-560.2			963.5			366.7		
70	-652.3			1102.7			433.2		
80	-750.7			1267.7			494.4		
90	-833.7			1419.2			559.5		
100	-927.4			1575.7			611.2		

CP2	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-101.3			-56.2			-97.3		
10	141.6			-114.5			89.5		
20	327.0			-150.4			232.3		
30	528.7			-203.4			340.7		
40	706.7			-278.1			451.3		
50	874.8			-360.4			557.3		
60	1048.4			-431.2			671.9		
70	1222.2			-500.0			786.9		
80	1406.3			-555.6			908.6		
90	1575.8			-643.6			1010.3		
100	1760.7			-695.3			1124.8		

CP2	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	30.9			-28.0			-32.4		
10	181.7			-114.8			75.8		
20	442.2			-195.3			249.2		
30	634.5			-235.1			394.1		
40	863.8			-333.1			564.0		
50	1087.8			-411.1			713.4		
60	1315.8			-500.5			852.3		
70	1522.8			-561.1			988.9		
80	1742.0			-648.4			1125.1		
90	1943.3			-725.4			1250.7		
100	2152.6			-822.2			1386.4		

CP2	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	28.1			77.6			44.1		
10	-89.8			260.2			99.0		
20	-240.5			403.4			132.2		
30	-338.5			572.8			196.9		
40	-459.5			743.9			236.5		
50	-577.1			975.0			320.6		
60	-688.4			1175.1			379.9		
70	-800.6			1342.3			443.8		
80	-920.9			1538.3			503.1		
90	-1034.2			1723.7			568.3		
100	-1139.7			1911.2			629.1		

CP2	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	23.2			72.3			42.4		
10	-65.1			234.3			110.4		
20	-181.6			367.1			158.9		
30	-254.4			521.0			235.2		
40	-347.6			675.9			285.6		
50	-436.3			883.5			381.5		
60	-520.0			1066.7			453.9		
70	-604.7			1219.9			531.2		
80	-695.7			1397.6			603.2		
90	-779.9			1565.1			680.2		
100	-860.5			1735.7			752.7		

CP2	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-84.8			-66.7			-96.6		
10	206.9			-131.1			127.1		
20	416.4			-167.7			281.9		
30	651.8			-235.8			416.9		
40	860.2			-306.4			547.2		
50	1063.2			-404.9			673.2		
60	1272.3			-483.8			814.6		
70	1484.2			-563.0			956.5		
80	1715.5			-619.7			1105.3		
90	1928.8			-727.2			1232.0		
100	2145.1			-783.7			1362.7		

CP2	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	43.2			-47.5			10.8		
10	188.7			-162.5			74.9		
20	450.2			-268.9			197.2		
30	627.3			-357.3			310.9		
40	843.2			-490.4			447.2		
50	1065.1			-632.7			558.2		
60	1286.5			-767.8			668.4		
70	1492.0			-864.7			777.2		
80	1708.4			-991.5			883.7		
90	1912.9			-1105.5			985.0		
100	2106.3			-1238.3			1092.5		

CP2	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-45.4			70.1			-71.7		
10	-9.3			456.2			314.2		
20	-228.3			827.2			491.6		
30	-265.2			1122.7			746.1		
40	-406.4			1482.6			907.0		
50	-532.3			1908.9			1171.5		
60	-632.0			2301.3			1404.1		
70	-717.4			2624.2			1659.7		
80	-819.4			3040.3			1907.5		
90	-897.5			3375.6			2149.8		
100	-994.0			3768.1			2342.0		

CP2	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-62.3			50.0			-84.3		
10	20.9			389.3			301.6		
20	-145.9			719.9			485.7		
30	-140.3			976.1			734.9		
40	-237.7			1290.2			896.4		
50	-319.4			1661.3			1152.8		
60	-378.0			2003.2			1386.5		
70	-423.7			2280.1			1636.9		
80	-479.1			2648.7			1883.3		
90	-519.6			2933.1			2118.3		
100	-572.5			3279.7			2310.0		

CP2	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	28.5			94.4			98.1		
10	-147.8			279.9			109.0		
20	-348.2			451.6			98.7		
30	-513.8			615.0			135.1		
40	-690.5			801.0			140.9		
50	-859.3			1031.3			196.9		
60	-1022.0			1242.2			227.6		
70	-1184.7			1425.7			272.8		
80	-1374.7			1637.1			311.4		
90	-1538.0			1843.6			365.2		
100	-1718.4			2038.6			390.1		

CP2	SG28								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	35.7			91.0			94.6		
10	-129.9			279.8			119.9		
20	-321.1			453.5			121.3		
30	-475.8			621.9			171.9		
40	-643.6			809.8			190.5		
50	-802.2			1042.9			260.0		
60	-954.5			1257.2			303.3		
70	-1107.4			1442.5			361.1		
80	-1278.6			1656.7			412.6		
90	-1431.4			1863.8			477.9		
100	-1601.3			2061.8			514.1		

CP2	SG29								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-272.5			-125.1			-320.7		
10	422.4			-36.5			378.4		
20	675.7			123.0			748.8		
30	1176.4			100.6			1101.1		
40	1499.9			146.7			1395.5		
50	1820.2			165.3			1736.2		
60	2167.9			222.9			2108.0		
70	2542.5			189.1			2478.0		
80	2964.4			337.2			2867.0		
90	3352.7			253.5			3197.2		
100	3759.1			366.7			3524.5		

CP2	SG30								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-282.4			-209.4			-314.6		
10	462.3			-136.3			416.5		
20	752.1			12.0			813.2		
30	1295.8			-25.1			1187.3		
40	1656.4			5.2			1506.3		
50	2011.6			4.6			1870.3		
60	2396.2			45.9			2269.9		
70	2807.7			-5.6			2667.9		
80	3271.9			47.1			3088.2		
90	3702.4			-71.9			3445.1		
100	4148.6			24.9			3801.1		

CP2	SG31								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	61.3			-10.6			23.7		
10	184.1			-174.6			45.7		
20	507.9			-371.4			188.8		
30	684.9			-451.5			306.0		
40	946.4			-613.9			461.9		
50	1199.5			-769.8			576.6		
60	1448.3			-945.7			691.7		
70	1671.5			-1054.3			797.1		
80	1904.6			-1236.8			898.7		
90	2129.8			-1363.3			992.5		
100	2352.6			-1541.3			1123.4		

CP2	SG32								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	54.8			-28.0			21.3		
10	185.8			-195.6			49.8		
20	515.5			-394.8			197.6		
30	696.7			-476.8			317.4		
40	962.6			-642.3			474.4		
50	1220.2			-801.0			590.9		
60	1472.0			-979.5			710.4		
70	1700.0			-1090.5			819.3		
80	1938.0			-1295.4			924.5		
90	2166.2			-1428.2			1021.0		
100	2392.5			-1608.1			1156.5		

CP2	SG33								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	77.1			104.3			112.2		
10	-96.9			287.3			136.5		
20	-266.9			460.4			168.1		
30	-409.9			641.4			243.5		
40	-558.9			832.8			287.2		
50	-699.8			1077.0			381.8		
60	-830.0			1299.0			447.9		
70	-963.3			1498.8			530.2		
80	-1118.3			1702.5			607.9		
90	-1243.7			1922.2			696.8		
100	-1386.4			2128.9			753.5		

CP2	SG34								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-351.2			822.1			430.7		
10	382.2			398.4			664.8		
20	1203.6			28.7			734.5		
30	1443.9			72.9			932.1		
40	1444.9			-109.7			1273.3		
50	1296.5			21.3			806.1		
60	1294.2			348.9			1652.8		
70	1416.7			524.8			2058.0		
80	2054.1			426.2			2240.5		
90	3031.9			160.4			2528.3		
100	3553.4			19.0			2619.3		

CP2	SG35								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-111.7			-82.9			-133.0		
10	191.9			122.8			311.9		
20	208.6			353.1			531.3		
30	416.8			462.5			788.6		
40	501.8			622.7			991.5		
50	593.0			787.5			1256.1		
60	710.9			978.7			1512.3		
70	840.6			1084.8			1777.8		
80	988.3			1297.0			2053.4		
90	1132.4			1381.3			2303.8		
100	1267.1			1577.7			2518.1		

CP2	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-113.9			-94.1			-141.1		
10	227.7			151.6			369.0		
20	235.5			428.3			618.0		
30	469.7			559.1			914.0		
40	560.9			752.7			1145.3		
50	659.7			952.0			1451.5		
60	791.2			1182.3			1745.6		
70	934.5			1310.8			2052.9		
80	1100.8			1566.1			2372.2		
90	1265.9			1670.3			2664.0		
100	1418.5			1906.7			2911.5		

CP2	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	252.5			-269.4			199.0		
10	132.0			128.9			205.2		
20	157.9			357.4			267.1		
30	157.1			216.6			352.2		
40	208.2			454.8			451.7		
50	249.1			510.7			555.9		
60	303.7			414.2			833.0		
70	345.2			668.8			857.6		
80	386.7			495.1			927.8		
90	454.2			1131.7			1038.7		
100	522.7			782.0			1206.2		

CP2	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	101.7			21.0			106.3		
10	53.0			56.0			110.6		
20	98.8			64.4			168.0		
30	108.8			120.8			249.6		
40	147.2			141.2			345.5		
50	187.5			187.4			446.4		
60	237.8			229.8			524.7		
70	269.1			275.7			606.2		
80	302.3			306.4			691.2		
90	343.4			353.1			782.8		
100	368.4			369.7			860.7		

CP2	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-124.7			-75.3			-145.5		
10	182.0			-131.4			96.9		
20	385.9			-188.3			256.2		
30	617.4			-252.6			372.9		
40	817.2			-305.7			510.9		
50	1007.1			-399.2			623.7		
60	1213.0			-482.1			749.4		
70	1407.1			-555.5			870.5		
80	1627.7			-627.4			1008.3		
90	1824.6			-733.5			1130.9		
100	2039.7			-797.2			1252.2		

CP2	SG40								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-26.3			29.1			-45.2		
10	138.6			-96.0			37.6		
20	387.3			-262.6			142.5		
30	558.1			-363.4			232.7		
40	774.0			-455.6			373.6		
50	971.4			-578.4			454.7		
60	1186.0			-735.8			534.3		
70	1363.9			-805.1			613.2		
80	1561.6			-941.4			698.1		
90	1733.6			-1043.4			788.8		
100	1917.2			-1188.3			875.4		

CP2	SG41								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-133.0			-62.1			-112.9		
10	153.2			-116.7			84.4		
20	329.1			-172.3			206.7		
30	548.7			-243.1			292.8		
40	719.3			-281.9			406.6		
50	878.2			-383.6			494.0		
60	1056.4			-461.6			584.8		
70	1223.4			-531.7			674.1		
80	1428.3			-601.3			786.7		
90	1605.3			-701.3			898.3		
100	1791.0			-753.6			985.7		

CP2	SG42								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-48.6			38.5			1.1		
10	116.6			-71.5			57.3		
20	320.8			-226.3			121.7		
30	488.8			-332.8			185.9		
40	672.8			-402.2			299.7		
50	837.7			-522.2			361.4		
60	1018.5			-666.5			419.8		
70	1168.7			-728.8			477.9		
80	1350.6			-841.9			548.3		
90	1503.2			-950.4			634.6		
100	1662.7			-1067.3			694.1		

CP2	SG43								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	62.4			41.1			13.3		
10	-53.7			153.9			56.2		
20	-110.8			273.4			104.9		
30	-180.8			394.9			177.3		
40	-235.2			464.6			214.3		
50	-285.1			599.3			301.0		
60	-348.4			728.1			362.5		
70	-399.0			839.7			431.1		
80	-470.1			961.5			474.9		
90	-525.7			1098.9			521.7		
100	-586.1			1228.1			580.3		

CP2	SG45								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	92.5			-8.4			42.3		
10	-31.9			79.6			41.0		
20	-66.5			177.5			76.7		
30	-123.5			277.7			136.0		
40	-159.1			302.2			163.3		
50	-194.1			386.1			231.9		
60	-241.6			476.1			280.7		
70	-276.5			554.5			333.2		
80	-324.8			633.8			361.7		
90	-359.8			735.4			395.6		
100	-398.7			815.9			449.7		

CP3	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	30.8	-1.6	-10.7	6.6	6.3		27.0	-26.0	57.0
20	-97.5	-103.0	-113.9	204.3	206.3		82.0	74.0	196.5
40	-205.9	-219.7	-211.7	411.3	394.7		193.2	144.6	393.1
60	-327.0	-316.8	-325.7	615.2	602.6		244.2	198.8	555.2
80	-409.0	-427.1	-435.0	820.3	786.7		365.5	289.5	769.4
100	-513.7	-532.2	-546.7	1025.1	1010.6		436.3	355.9	969.6

CP3	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	26.9	-0.6	-9.3	5.0	6.0		23.8	-24.1	52.0
20	-88.7	-94.2	-103.4	188.3	190.5		80.8	71.5	184.0
40	-188.7	-199.6	-194.0	381.5	367.6		184.5	145.3	367.3
60	-297.3	-288.9	-296.2	570.9	558.9		239.2	197.2	520.3
80	-373.9	-389.5	-397.4	759.5	731.7		351.7	282.8	719.8
100	-468.5	-485.0	-498.1	949.1	937.0		423.9	352.5	907.4

CP3	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	59.7	21.2	13.5	-27.7	-13.6		-2.8	19.8	-12.6
20	211.3	209.9	219.5	-70.7	-65.0		145.9	146.7	-67.0
40	397.2	422.8	422.9	-148.9	-147.8		267.1	297.4	-144.9
60	618.7	626.7	633.8	-227.3	-199.0		426.1	451.7	-205.7
80	813.1	839.3	852.0	-294.4	-272.7		542.3	612.9	-274.3
100	1025.2	1051.7	1071.5	-367.5	-346.0		703.3	737.9	-349.4

CP3	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-138.2	-39.9	-13.7	13.1	1.6		-42.3	-21.9	-54.0
20	233.3	238.1	251.2	-124.0	-127.7		124.0	131.6	-117.7
40	493.5	493.3	478.3	-236.8	-229.7		254.9	280.8	-229.8
60	751.3	733.8	738.3	-366.4	-370.7		401.9	416.4	-329.4
80	980.6	978.3	986.7	-490.5	-477.0		488.1	520.3	-468.1
100	1213.9	1215.2	1222.7	-604.5	-608.6		645.7	692.3	-570.3

CP3	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	34.0	8.8	-10.1	-5.0	19.7		34.0	-13.7	70.2
20	-120.7	-127.1	-140.7	238.3	243.4		92.1	79.9	231.0
40	-258.7	-269.9	-261.7	475.6	463.1		188.1	170.2	450.9
60	-401.0	-381.4	-394.0	694.8	716.2		261.7	224.4	655.9
80	-513.3	-520.1	-533.0	942.3	932.4		378.2	334.5	891.6
100	-636.9	-652.2	-672.4	1182.8	1190.6		455.7	401.1	1130.7

CP3	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	18.0	1.0	-10.3	-1.8	18.5		25.6	-13.2	57.7
20	-99.9	-105.9	-116.5	209.1	212.5		87.9	78.0	202.7
40	-213.1	-223.3	-218.3	418.8	408.8		180.7	164.3	396.8
60	-329.7	-318.0	-326.8	611.0	626.1		253.3	219.5	576.9
80	-422.4	-432.8	-442.5	827.9	818.4		360.3	318.5	783.1
100	-525.4	-541.7	-558.6	1040.2	1044.5		438.2	391.5	994.2

CP3	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	197.6	84.8	46.6	-65.5	-43.7		15.3	52.5	0.6
20	222.7	217.5	221.6	-61.9	-56.7		151.1	146.0	-67.7
40	379.1	421.3	429.1	-142.9	-152.4		268.4	289.6	-151.1
60	600.9	627.9	625.8	-215.4	-175.2		419.2	447.0	-221.9
80	799.5	844.1	847.7	-268.5	-257.9		547.4	629.4	-277.0
100	1019.9	1064.6	1080.5	-343.0	-327.1		710.5	720.2	-366.1

CP3	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-250.6	-97.2	-48.8	56.0	13.7		-64.7	-63.3	-75.5
20	244.6	258.4	271.6	-165.4	-167.8		109.8	128.5	-148.2
40	561.2	536.7	514.2	-304.8	-289.1		272.7	252.6	-274.1
60	832.6	793.5	793.4	-445.8	-493.9		397.1	389.8	-414.8
80	1090.9	1066.7	1066.4	-628.3	-622.9		488.9	460.8	-571.1
100	1334.3	1317.8	1316.1	-777.6	-788.1		636.8	652.5	-703.6

CP3	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	7.8	12.4	-6.7	-15.2	22.4		13.2	-4.8	57.9
20	-109.6	-113.8	-124.2	202.3	209.1		74.5	71.9	203.6
40	-231.1	-241.1	-240.1	412.4	412.5		149.7	156.1	394.9
60	-354.2	-335.1	-350.3	586.1	628.1		220.2	207.0	586.8
80	-458.2	-460.4	-475.7	800.5	819.5		302.9	301.1	780.7
100	-570.6	-581.4	-604.6	1013.1	1043.1		370.6	367.2	999.0

CP3	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	6.2	5.9	-5.4	-14.6	21.1		11.1	-2.2	49.8
20	-82.8	-88.8	-96.9	181.5	187.0		83.7	81.9	183.0
40	-176.6	-185.0	-184.4	370.0	369.7		169.3	170.6	356.3
60	-270.1	-258.6	-269.3	525.8	563.0		248.4	232.8	528.3
80	-348.2	-355.9	-366.8	718.8	735.8		339.0	332.3	703.6
100	-434.2	-449.1	-467.2	908.6	933.7		418.5	410.4	899.6

CP3	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	93.0	31.8	24.7	-27.9	-30.5		2.8	18.4	-10.3
20	221.2	217.3	226.1	-65.7	-67.1		150.8	147.7	-71.0
40	408.9	433.8	441.2	-144.8	-156.0		292.1	295.2	-148.3
60	634.1	633.8	648.3	-211.7	-207.0		441.0	452.3	-224.6
80	840.9	855.6	877.0	-274.6	-289.4		576.8	618.0	-282.8
100	1060.4	1079.9	1108.5	-349.6	-360.5		743.1	736.0	-368.9

CP3	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-130.9	-67.9	-33.5	44.6	5.2		-29.2	-37.4	-49.0
20	231.5	240.5	252.5	-116.8	-116.7		131.5	144.5	-111.0
40	495.8	491.4	481.0	-226.7	-219.9		294.1	265.9	-206.0
60	740.7	712.6	726.7	-316.6	-363.4		430.6	420.3	-323.2
80	977.2	969.2	981.8	-449.1	-458.9		555.7	523.7	-424.2
100	1208.7	1209.3	1224.0	-563.0	-575.2		707.0	700.7	-535.0

CP3	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-2.4	6.3	-20.0	-12.3	25.0		1.3	-13.6	49.1
20	-88.4	-86.1	-100.8	190.5	196.7		81.8	75.3	187.4
40	-181.0	-196.1	-192.4	384.6	384.0		167.6	175.6	368.2
60	-282.7	-256.0	-282.3	551.5	591.8		236.1	227.1	540.4
80	-361.8	-358.2	-383.3	749.9	772.4		326.0	324.5	729.7
100	-453.9	-455.9	-487.5	950.0	976.2		409.6	402.6	922.9

CP3	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	9.0	5.9	-12.6	-17.6	26.1		4.9	-6.2	57.2
20	-110.2	-111.5	-124.6	216.4	222.3		82.4	78.0	212.2
40	-231.1	-243.9	-239.7	437.6	438.0		170.3	175.8	417.2
60	-355.8	-335.6	-353.5	626.2	671.2		238.3	230.4	614.4
80	-458.2	-460.9	-478.5	854.4	877.4		331.6	330.8	826.0
100	-572.7	-580.5	-606.0	1079.2	1108.3		413.9	408.1	1046.5

CP3	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	113.6	40.5	30.5	-84.3	-30.5		13.3	28.6	-6.9
20	213.0	199.0	208.1	-62.3	-63.4		153.1	138.7	-65.2
40	367.2	400.3	406.1	-172.7	-150.7		243.1	271.2	-140.4
60	566.8	584.8	598.1	-215.2	-197.8		399.5	418.8	-208.0
80	779.3	787.9	807.6	-306.5	-278.3		481.8	576.8	-265.7
100	973.5	993.8	1021.0	-371.5	-344.6		689.3	681.6	-343.4

CP3	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-132.8	-70.1	-25.8	65.3	0.2		-56.1	-10.3	-53.3
20	254.1	227.3	251.7	-139.9	-164.1		129.2	148.3	-147.9
40	543.8	559.3	566.5	-316.2	-307.4		296.7	232.1	-282.5
60	829.8	779.8	815.8	-382.8	-495.8		420.9	439.7	-434.0
80	1081.3	1035.5	1093.4	-570.7	-643.9		576.8	522.8	-573.5
100	1332.6	1284.8	1346.1	-723.8	-799.4		695.5	675.9	-722.5

CP3	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-13.6	-17.4	-34.5	-14.2	31.5		-3.4	-21.8	51.5
20	-108.5	-112.4	-126.5	213.1	213.8		78.1	64.9	204.0
40	-226.6	-244.6	-240.1	419.4	418.6		165.5	163.6	415.4
60	-348.4	-338.0	-352.9	605.5	651.5		220.1	186.7	606.1
80	-446.4	-465.1	-480.7	826.9	852.2		309.7	278.6	819.8
100	-562.9	-583.2	-609.3	1046.4	1063.6		395.7	357.9	1025.4

CP3	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-6.1	-16.0	-24.2	-9.6	28.2		1.2	-5.0	52.8
20	-87.5	-93.5	-103.2	199.0	200.0		90.7	85.2	196.7
40	-187.9	-203.0	-198.5	395.4	394.1		184.0	188.1	387.8
60	-287.4	-283.9	-290.7	566.0	606.7		254.5	251.5	570.9
80	-367.9	-388.0	-396.2	775.4	796.8		353.1	355.4	773.0
100	-461.6	-485.6	-500.9	981.4	996.9		450.4	442.4	970.3

CP3	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	22.6	46.0	37.7	-68.0	67.4		6.8	27.7	-1.4
20	116.8	203.1	209.1	-99.4	44.6		146.8	147.7	-55.8
40	291.1	394.4	409.0	72.0	-49.7		278.2	284.8	-118.4
60	496.7	583.0	606.1	20.6	-89.8		429.6	441.9	-181.4
80	688.1	785.8	814.5	-30.9	-158.2		563.8	601.8	-230.0
100	673.7	994.3	1028.9	-90.9	21.6		715.2	721.9	-292.7

CP3	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-111.2	-49.2	-22.0	23.0	0.1		-40.1	-42.1	-40.9
20	222.7	228.2	239.6	-92.4	-90.8		136.9	151.5	-88.0
40	475.2	475.2	465.5	-166.9	-162.6		318.7	288.5	-167.1
60	716.0	688.5	698.0	-236.1	-273.0		474.6	444.8	-262.7
80	938.6	932.2	944.8	-337.3	-348.5		606.6	567.2	-347.5
100	1162.8	1161.7	1173.9	-427.2	-434.3		757.7	744.2	-429.4

CP3	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	8.0	-23.3	-18.1	-14.5	39.5		-4.1	21.8	65.6
20	-98.1	-110.9	-114.5	217.4	216.3		83.6	99.8	208.2
40	-226.3	-229.4	-224.7	424.8	441.9		178.0	182.8	408.0
60	-332.6	-343.2	-327.4	595.2	678.0		228.7	275.2	620.2
80	-428.8	-459.2	-446.7	837.0	890.4		325.6	377.1	821.9
100	-538.1	-565.4	-561.9	1054.1	1101.3		422.7	471.4	1031.1

CP3	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	8.3	-18.1	-12.9	-15.9	34.9		1.4	24.6	62.3
20	-91.5	-103.8	-107.1	203.2	204.8		84.3	95.3	199.3
40	-208.1	-213.1	-209.6	401.6	417.7		176.3	181.8	390.2
60	-307.4	-318.8	-306.4	562.2	640.0		231.8	267.7	591.9
80	-397.3	-426.7	-417.3	786.9	842.5		327.9	367.6	784.9
100	-497.5	-526.7	-525.0	992.7	1041.1		422.9	459.9	986.0

CP3	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	121.0	58.2	40.9	-23.7	-33.2		28.8	27.0	-18.0
20	217.7	218.2	224.5	-77.8	-76.0		147.5	139.1	-76.8
40	409.8	428.9	434.0	-163.4	-183.6		268.4	278.5	-160.6
60	628.9	641.0	641.7	-233.8	-251.2		423.7	422.2	-249.1
80	835.7	861.3	868.8	-315.1	-347.8		548.8	581.8	-314.3
100	1053.2	1077.7	1095.2	-397.9	-420.2		705.1	691.9	-400.4

CP3	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-210.8	-63.3	-54.9	39.0	-4.5		-77.9	-112.5	-59.0
20	243.7	261.5	268.3	-134.3	-134.3		133.1	127.5	-121.2
40	554.7	552.9	537.0	-239.0	-239.1		332.2	303.3	-230.1
60	820.6	829.4	804.2	-335.1	-406.9		498.3	422.1	-363.7
80	1069.6	1094.6	1082.9	-487.6	-521.2		630.2	532.3	-478.9
100	1323.5	1355.2	1339.2	-612.9	-640.7		773.0	712.1	-592.1

CP3	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-186.7	-104.0	-119.2	29.2	79.5		-26.3	-116.2	116.8
20	-107.8	-115.1	-148.5	619.3	637.9		439.2	428.8	604.9
40	-216.2	-277.7	-275.5	1257.2	1262.1		934.8	910.6	1207.1
60	-345.0	-359.2	-387.5	1845.2	1914.3		1311.7	1266.1	1739.2
80	-423.8	-499.4	-538.0	2466.8	2528.8		1772.9	1729.0	2380.4
100	-552.4	-632.2	-700.7	3116.1	3178.3		2259.5	2196.6	2993.2

CP3	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-42.5	-33.3	-49.1	8.2	37.0		9.1	-35.1	73.1
20	-111.2	-115.5	-132.8	326.6	332.9		175.8	168.2	317.5
40	-233.9	-258.2	-253.9	658.5	652.8		368.7	361.0	626.9
60	-358.7	-358.4	-372.0	964.1	995.2		507.7	493.3	904.9
80	-457.3	-487.7	-505.7	1294.5	1311.0		698.2	686.9	1242.7
100	-579.9	-611.0	-642.6	1634.7	1651.5		891.8	862.6	1560.4

CP3	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-38.3	-29.4	-42.7	9.6	30.4		2.8	-34.3	63.1
20	-101.2	-106.9	-124.0	296.9	301.5		157.4	150.2	285.8
40	-214.2	-239.6	-234.7	594.9	587.7		330.7	317.6	566.6
60	-327.8	-333.5	-344.2	876.7	898.7		458.5	434.9	815.3
80	-417.8	-452.6	-469.8	1174.2	1184.5		627.7	608.8	1121.2
100	-529.6	-566.8	-596.0	1482.3	1490.9		800.4	762.6	1407.1

CP3	SG28								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	18.6	-7.1	-39.9	-24.0	25.0		3.0	-18.9	76.3
20	-117.7	-123.2	-143.7	313.3	317.2		150.0	140.9	299.5
40	-267.4	-282.8	-271.0	617.6	612.8		307.4	310.9	591.4
60	-406.3	-383.7	-399.7	896.4	959.3		419.9	420.6	861.0
80	-513.4	-526.9	-544.9	1221.3	1247.7		584.6	599.7	1181.1
100	-644.4	-660.1	-689.7	1541.6	1568.2		747.9	730.8	1473.5

CP3	SG29								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	49.2	-3.7	-42.5	-25.4	37.9		15.1	-10.6	95.5
20	-120.2	-128.4	-153.1	400.8	405.8		215.7	203.9	374.6
40	-287.2	-305.0	-288.9	782.6	773.0		434.7	441.2	739.7
60	-435.6	-407.4	-426.9	1135.0	1216.2		603.1	607.6	1069.6
80	-544.0	-561.8	-583.5	1554.7	1583.6		833.8	865.2	1474.6
100	-681.2	-701.4	-735.0	1958.6	1990.0		1067.9	1046.9	1840.0

CP3	SG30								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	176.1	37.4	-54.1	-70.0	46.9		34.1	-9.7	189.5
20	-134.0	-151.3	-195.7	730.3	738.5		465.7	441.9	679.3
40	-384.5	-397.3	-364.3	1414.7	1389.2		924.1	940.2	1324.1
60	-569.9	-510.4	-540.8	2053.5	2208.0		1299.6	1315.9	1922.4
80	-692.7	-706.9	-740.1	2807.6	2853.9		1784.8	1870.8	2658.3
100	-860.5	-877.8	-932.1	3553.9	3604.0		2290.1	2249.2	3310.5

CP3	SG31								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-24.4	-23.3	-33.5	1.3	35.9		-0.5	-17.0	60.6
20	-96.1	-100.9	-113.4	243.3	246.2		115.5	111.6	234.7
40	-202.7	-220.9	-216.3	483.1	481.8		241.2	238.9	462.4
60	-311.4	-307.1	-316.4	699.7	738.1		330.3	323.9	673.6
80	-397.9	-419.9	-431.1	950.5	970.5		457.5	453.5	918.1
100	-501.9	-526.5	-547.7	1202.8	1221.1		583.4	570.4	1154.7

CP3	SG32								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-48.9	-40.8	-48.4	6.1	238.1		-4.9	-87.5	71.7
20	-100.6	-100.8	-117.8	306.6	501.1		165.9	99.5	295.9
40	-210.5	-226.7	-222.3	610.5	801.6		349.8	615.0	585.1
60	-325.4	-310.9	-321.8	887.0	1122.5		483.0	748.0	850.0
80	-412.7	-424.9	-440.5	1201.0	1474.7		662.6	933.3	1158.8
100	-523.8	-534.2	-564.2	1519.5	2196.9		844.9	1108.4	1458.5

CP3	SG33								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-124.3	-78.8	-91.5	17.5	78.4		-21.1	-70.0	111.6
20	-113.8	-120.0	-145.3	500.7	506.7		321.3	313.1	480.9
40	-233.5	-274.7	-271.2	1002.9	1001.9		686.2	667.8	953.9
60	-367.0	-364.8	-387.5	1457.6	1521.9		954.8	923.5	1382.3
80	-457.4	-506.3	-532.9	1967.5	2006.4		1297.7	1264.2	1886.7
100	-588.6	-639.1	-690.1	2492.0	2525.0		1653.3	1606.6	2373.8

CP3	SG34								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	65.0	36.8	11.7	-3.5	-8.7		2.2	19.8	12.1
20	152.9	156.3	164.1	-83.6	-87.5		67.3	54.8	-87.5
40	286.4	309.5	313.2	-182.6	-196.3		129.7	113.6	-193.6
60	445.4	459.1	451.8	-251.3	-286.3		176.6	179.6	-301.6
80	587.7	614.3	619.4	-339.7	-376.8		252.1	239.5	-371.4
100	739.6	775.4	790.8	-436.2	-469.4		322.0	281.6	-474.8

CP3	SG35								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-109.8	-34.7	-36.9	62.3	31.8		0.0	-10.9	-24.0
20	189.3	209.9	215.7	-137.9	-132.5		72.7	68.7	-132.1
40	406.3	414.0	398.2	-295.6	-278.8		144.0	134.6	-271.3
60	606.1	630.4	604.6	-405.4	-451.2		199.7	217.7	-427.8
80	800.1	843.1	818.8	-569.4	-560.1		272.2	253.7	-546.7
100	989.5	1041.7	1026.6	-705.7	-699.1		357.2	351.0	-680.6

CP3	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	73.9	42.8	22.7	-30.1	-32.4		-3.1	14.8	-15.5
20	224.1	226.1	232.5	-91.7	-91.4		135.4	127.1	-94.1
40	423.6	445.2	449.1	-190.1	-202.3		259.4	261.7	-193.0
60	652.6	665.3	663.7	-271.5	-277.8		383.9	396.6	-295.0
80	866.4	892.1	897.2	-365.1	-381.4		510.5	541.6	-371.6
100	1087.4	1118.4	1134.0	-465.5	-479.3		659.3	644.2	-484.0

CP3	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-303.3	-111.1	-68.3	84.1	4.8		-55.2	-82.2	-108.5
20	447.1	480.1	494.0	-271.2	-261.3		230.0	243.9	-251.8
40	966.7	958.6	928.5	-526.0	-498.2		502.6	467.9	-462.4
60	1430.9	1438.0	1425.8	-715.8	-817.9		730.7	730.2	-729.0
80	1900.5	1937.8	1917.5	-1038.5	-1033.3		952.3	892.7	-953.3
100	2342.9	2392.9	2382.2	-1298.2	-1295.9		1215.4	1214.7	-1207.9

CP3	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	16.5	26.3	8.8	-19.3	17.6		0.4	12.1	44.2
20	-74.9	-72.9	-75.5	140.2	151.8		60.6	71.7	149.8
40	-156.2	-159.9	-163.2	299.4	311.8		119.8	134.7	284.4
60	-236.7	-225.7	-231.5	413.7	463.2		180.8	197.9	434.7
80	-311.7	-304.1	-312.4	566.2	610.0		242.9	278.5	566.2
100	-385.5	-382.4	-392.7	719.9	772.5		300.7	341.1	730.8

CP3	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	11.6	3.8	-0.8	-21.2	23.0		-5.4	17.7	40.6
20	-59.9	-69.7	-72.0	149.1	156.6		82.7	94.8	160.7
40	-127.0	-140.2	-144.6	314.3	321.6		163.5	174.4	311.6
60	-189.0	-198.7	-203.5	433.5	484.5		246.9	256.1	473.0
80	-245.9	-273.1	-281.1	594.5	639.5		327.0	354.9	618.4
100	-311.5	-345.8	-356.3	759.3	797.5		411.5	447.0	792.8

CP3	SG40								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	8.3	11.0	12.8	-15.6	24.2		-6.4	26.5	42.4
20	-38.4	-38.5	-39.1	117.4	133.1		78.9	97.7	132.2
40	-75.0	-82.9	-80.4	255.1	279.3		160.8	173.7	249.0
60	-109.1	-124.5	-116.9	343.5	407.8		242.7	269.1	387.7
80	-149.5	-162.6	-158.9	474.9	543.5		321.4	365.2	500.7
100	-187.6	-202.1	-197.5	606.7	683.3		399.8	455.8	644.3

CP4	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	0.9	-39.0	-45.8	-22.2	45.8	31.5	19.4	51.6	-0.1
20	-106.5	-114.0	-111.4	206.0	209.5	237.9	110.7	88.4	107.4
40	-217.2	-208.6	-209.1	406.0	462.5	421.1	152.8	208.3	221.5
60	-332.0	-295.2	-296.9	622.3	656.2	619.5	288.5	330.2	356.7
80	-433.3	-426.9	-425.0	794.7	874.1	848.6	375.0	433.2	466.2
100	-542.3	-529.6	-526.4	1031.9	1106.7	1099.7	463.0	494.0	553.6

CP4	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	1.7	-21.4	-22.6	-13.5	41.1	30.5	21.0	54.9	23.2
20	-103.9	-110.9	-107.1	194.8	198.6	218.7	101.9	84.8	100.1
40	-210.6	-207.3	-210.3	385.5	426.9	403.9	141.8	190.5	193.6
60	-319.8	-296.3	-300.6	589.5	611.5	574.0	266.9	303.9	315.1
80	-422.0	-424.9	-424.0	753.8	819.7	798.2	350.0	399.6	414.9
100	-525.4	-523.0	-521.4	977.7	1031.6	1029.7	427.0	459.7	495.9

CP4	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	9.5	-26.4	-44.2	-22.3	-10.4	-31.4	3.5	-46.9	-78.8
20	199.0	231.9	221.4	-65.2	-80.5	-75.2	123.2	115.7	134.7
40	409.9	456.7	465.3	-159.5	-141.0	-176.7	271.7	264.7	292.9
60	618.9	671.6	675.6	-226.9	-221.1	-212.1	383.0	375.8	423.6
80	810.8	933.4	931.1	-286.7	-310.2	-329.4	506.3	495.0	578.2
100	1017.0	1137.0	1129.4	-371.6	-370.3	-395.0	651.0	626.5	702.7

CP4	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-49.3	3.5	29.4	43.3	-36.2	-7.5	-56.0	-22.0	22.1
20	210.3	183.6	189.7	-124.7	-117.0	-135.4	90.0	120.3	82.7
40	435.6	383.1	377.0	-219.8	-274.4	-221.0	231.9	185.4	146.5
60	637.7	571.6	566.1	-352.9	-384.9	-354.7	302.7	284.7	225.8
80	857.2	739.3	757.4	-455.2	-506.4	-460.9	404.1	386.6	284.3
100	1069.6	947.1	944.3	-586.8	-642.9	-609.2	520.3	518.0	390.4

CP4	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	13.9	-41.8	-63.9	3.3	69.4	27.6	37.3	45.5	-9.5
20	-113.6	-112.0	-112.7	222.0	229.1	252.7	110.0	83.5	105.2
40	-233.0	-204.7	-199.7	437.6	495.2	421.8	161.3	208.6	239.8
60	-354.8	-289.6	-289.1	674.4	682.6	655.7	294.9	315.0	369.1
80	-464.8	-416.1	-412.8	865.0	915.0	873.6	373.2	409.6	478.4
100	-579.7	-520.6	-516.4	1111.8	1189.7	1142.2	475.8	483.0	575.1

CP4	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	7.6	-27.2	-40.7	9.4	59.8	30.3	34.3	39.7	12.3
20	-103.2	-102.4	-102.0	200.1	205.6	221.0	95.9	75.7	92.6
40	-210.4	-188.9	-187.4	390.3	430.0	380.5	144.1	180.7	198.0
60	-320.9	-269.5	-272.7	602.7	595.4	575.7	257.9	271.6	306.0
80	-425.1	-385.9	-384.9	773.6	806.0	777.3	330.4	355.0	399.1
100	-523.6	-479.2	-478.4	996.0	1045.0	1011.2	418.3	424.3	485.9

CP4	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	51.0	-6.7	-45.2	-63.6	6.0	-36.4	38.5	-46.5	-86.1
20	216.9	285.0	265.0	-45.8	-78.6	-60.2	147.7	121.3	174.4
40	440.4	547.0	563.1	-162.6	-110.1	-180.2	305.7	335.0	396.8
60	681.4	801.8	808.9	-208.0	-179.6	-177.4	440.1	465.5	576.4
80	879.6	1147.0	1129.2	-262.4	-274.0	-315.5	585.4	603.1	796.3
100	1105.0	1367.7	1356.0	-333.3	-316.2	-355.5	751.1	743.4	934.0

CP4	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-110.6	-27.2	33.8	54.0	-84.2	-4.2	-109.8	-24.8	19.8
20	214.4	140.8	159.6	-175.8	-157.3	-183.0	70.4	125.6	46.4
40	455.0	322.6	305.6	-276.2	-360.4	-243.2	202.1	120.4	37.9
60	645.1	486.3	481.7	-465.8	-489.6	-466.6	270.2	226.0	79.0
80	886.8	577.3	616.9	-603.7	-635.2	-563.9	359.5	325.3	72.4
100	1098.3	783.7	787.9	-778.8	-851.0	-762.3	438.8	433.4	161.5

CP4	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	6.9	-24.0	-37.3	29.2	65.7	33.6	29.0	23.2	9.8
20	-90.5	-93.6	-90.3	195.1	202.6	207.3	91.7	80.5	91.3
40	-186.2	-166.2	-163.1	378.8	407.7	366.8	160.4	172.1	190.2
60	-286.7	-237.2	-237.7	589.3	556.6	550.1	267.1	252.7	291.7
80	-374.6	-348.8	-337.9	758.1	756.9	736.7	333.9	336.4	375.8
100	-463.4	-426.3	-418.9	968.8	1004.0	964.0	433.9	418.4	472.3

CP4	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	5.0	-17.9	-27.1	30.6	62.0	34.3	30.5	30.2	22.4
20	-92.5	-97.3	-93.5	188.5	196.3	198.1	86.1	77.2	85.0
40	-189.3	-175.7	-175.7	367.8	393.7	363.8	147.6	164.1	170.4
60	-291.6	-251.9	-255.5	570.0	541.8	534.7	246.6	240.8	264.1
80	-381.4	-366.4	-360.4	733.1	738.6	722.3	313.5	321.2	340.1
100	-472.2	-448.6	-444.2	938.6	971.0	937.7	401.6	399.5	430.1

CP4	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	12.0	-8.4	-24.4	-38.1	-10.0	-27.3	6.7	-19.7	-45.6
20	197.8	232.1	220.3	-61.1	-79.2	-65.9	136.9	123.3	148.1
40	406.8	451.4	461.2	-151.8	-124.5	-158.7	278.4	298.7	325.0
60	618.8	667.0	672.9	-213.7	-186.1	-187.0	408.1	435.2	482.0
80	811.7	932.2	926.7	-276.0	-271.4	-290.3	544.9	567.0	654.0
100	1010.6	1128.9	1121.8	-349.7	-339.3	-351.0	689.6	695.8	780.0

CP4	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-58.6	-25.6	5.1	5.6	-71.9	-29.0	-61.7	-25.3	-23.8
20	201.4	174.5	179.0	-131.9	-131.2	-137.2	93.1	114.0	80.6
40	423.3	361.8	352.6	-226.8	-266.7	-218.7	212.4	189.1	141.7
60	616.7	540.6	539.8	-368.8	-370.2	-373.5	306.6	304.4	223.7
80	827.3	702.5	715.1	-475.5	-487.4	-470.0	414.7	415.2	287.1
100	1033.4	895.8	889.9	-612.9	-658.9	-616.9	501.3	512.8	378.3

CP4	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-11.5	-36.1	-54.8	19.2	63.4	33.5	19.7	26.3	-5.9
20	-109.1	-116.5	-112.2	203.0	209.1	218.0	88.6	82.1	82.0
40	-221.9	-194.8	-195.8	402.2	430.5	389.4	154.4	156.8	177.5
60	-349.9	-280.7	-284.2	622.3	593.5	587.4	256.4	231.7	271.8
80	-452.5	-418.0	-411.2	797.1	802.9	775.2	327.9	319.6	348.6
100	-557.5	-512.3	-508.5	1020.5	1052.3	1022.6	416.4	396.2	434.7

CP4	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	1.2	-23.5	-37.2	16.1	56.9	28.2	20.8	33.7	5.0
20	-89.9	-94.6	-91.2	181.4	186.7	192.0	87.1	81.2	83.5
40	-184.2	-164.4	-164.4	360.5	387.2	355.1	149.9	165.7	172.0
60	-286.3	-235.0	-239.7	553.8	536.9	523.6	248.8	243.4	266.7
80	-371.5	-345.8	-342.5	711.2	725.2	699.3	322.8	331.9	345.3
100	-460.3	-425.7	-422.2	912.4	944.4	914.9	405.3	408.2	429.1

CP4	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	17.7	-8.0	-21.5	-37.2	-7.9	-29.1	11.2	-30.8	-49.8
20	209.5	249.5	236.7	-67.6	-85.3	-72.2	136.9	119.9	152.7
40	432.1	480.7	493.3	-174.8	-139.4	-174.8	280.1	304.5	337.1
60	662.0	709.5	718.8	-242.4	-207.4	-207.6	408.4	441.1	497.2
80	863.3	996.1	993.3	-311.3	-302.6	-318.3	540.7	568.9	676.4
100	1074.3	1205.6	1201.0	-397.1	-372.9	-387.0	693.0	698.7	806.2

CP4	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-34.3	-7.0	26.6	12.2	-60.0	-21.1	-39.4	-8.3	0.1
20	203.7	181.1	184.6	-125.6	-123.3	-136.2	99.7	115.2	85.7
40	421.7	356.4	348.5	-215.5	-257.4	-206.6	214.8	199.4	146.3
60	624.7	534.1	531.9	-352.3	-356.2	-362.2	315.0	319.0	231.4
80	830.6	703.2	714.2	-453.8	-470.0	-448.0	422.8	428.0	296.7
100	1039.1	898.9	892.3	-583.2	-628.9	-599.7	519.7	532.1	395.8

CP4	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-23.1	-48.8	-62.9	5.2	52.0	31.3	-7.7	41.6	-10.6
20	-129.4	-116.9	-107.9	190.8	199.5	222.2	75.4	83.5	83.7
40	-250.7	-191.7	-191.0	397.4	437.6	394.4	124.8	162.1	185.5
60	-389.9	-274.8	-277.1	602.5	600.0	600.9	183.2	221.9	281.4
80	-520.9	-403.6	-386.4	760.4	805.2	786.8	264.8	321.5	369.6
100	-637.0	-509.9	-496.4	989.5	1044.7	1041.2	332.2	400.2	447.5

CP4	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-14.4	-26.6	-46.6	19.3	53.7	25.6	15.7	38.1	1.8
20	-89.9	-91.8	-89.6	185.6	185.7	194.2	94.3	90.2	88.9
40	-178.7	-153.4	-155.0	367.6	391.3	354.6	167.3	179.0	185.2
60	-283.0	-219.9	-226.7	564.5	540.1	532.3	269.2	257.8	284.2
80	-369.0	-324.4	-326.7	724.6	731.4	701.5	356.7	358.4	370.8
100	-452.5	-404.2	-404.5	931.8	947.8	922.5	443.1	443.5	458.6

CP4	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	16.4	-36.7	-37.9	-38.5	-0.9	-28.7	76.9	-29.3	-52.0
20	191.5	227.5	223.5	-41.4	-55.4	-46.0	154.4	122.9	151.9
40	398.3	448.7	470.4	-127.5	-81.3	-117.8	358.4	349.8	393.2
60	599.3	666.9	694.4	-170.6	-127.2	-132.1	484.7	499.1	554.0
80	786.0	925.3	947.2	-213.7	-193.3	-221.2	668.5	631.2	740.7
100	984.2	1118.0	1145.4	-273.9	-227.8	-249.9	832.0	774.9	887.2

CP4	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-17.3	-6.4	26.0	11.3	-48.0	-14.3	-35.8	2.7	2.8
20	220.0	195.4	198.8	-100.3	-93.0	-107.9	139.2	152.2	121.1
40	447.0	382.4	372.2	-153.3	-197.1	-151.4	287.2	273.3	219.4
60	664.7	576.4	567.9	-264.8	-272.7	-286.4	432.1	433.8	345.1
80	889.2	756.2	763.4	-341.9	-359.6	-341.4	573.1	578.8	442.0
100	1108.8	968.0	955.9	-439.0	-478.8	-462.8	710.2	718.4	578.5

CP4	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-12.7	-25.4	-51.8	16.0	66.1	13.2	15.1	57.8	-5.5
20	-118.2	-117.5	-115.9	215.6	206.8	211.4	92.5	90.9	91.0
40	-236.4	-205.5	-197.2	416.7	438.3	404.7	166.3	172.9	166.2
60	-363.9	-295.4	-300.0	638.0	615.9	591.9	250.7	221.7	263.5
80	-477.2	-426.7	-419.8	822.3	826.0	778.5	343.9	335.1	347.7
100	-594.5	-532.9	-523.4	1065.6	1062.9	1030.0	432.1	425.1	434.5

CP4	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-6.7	-12.5	-32.3	16.8	59.2	16.8	18.4	54.2	14.4
20	-100.3	-100.5	-98.3	194.8	186.2	187.8	88.5	86.1	90.1
40	-201.5	-180.5	-176.6	370.1	388.9	365.3	157.7	167.8	157.0
60	-308.7	-259.3	-266.7	572.8	547.5	526.3	239.0	221.8	248.4
80	-406.0	-372.3	-370.9	738.1	738.7	702.2	328.8	326.5	333.2
100	-505.2	-463.2	-458.0	954.1	947.5	919.8	411.3	411.3	417.3

CP4	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	10.3	-26.3	-35.9	-33.8	-12.3	-22.4	8.3	-60.1	-66.8
20	222.2	257.9	246.2	-74.0	-86.6	-70.3	139.5	124.0	156.8
40	457.5	508.2	518.6	-190.2	-147.0	-183.5	289.7	312.0	356.8
60	693.4	749.5	761.2	-259.4	-223.1	-215.7	432.8	468.6	524.8
80	910.4	1040.5	1041.8	-334.4	-321.2	-327.7	562.1	593.1	709.2
100	1135.5	1265.6	1260.8	-431.8	-388.1	-396.0	717.0	723.9	844.7

CP4	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-16.3	-1.5	41.2	10.7	-58.5	-0.7	-50.0	-0.5	3.9
20	222.8	198.9	203.5	-155.2	-127.1	-144.0	106.3	125.1	70.7
40	457.3	388.1	370.6	-214.3	-276.6	-225.4	220.7	204.6	156.5
60	675.2	582.8	571.9	-384.8	-386.1	-379.8	338.8	343.7	239.4
80	905.0	767.1	767.0	-499.2	-506.2	-474.5	444.0	453.0	283.2
100	1128.7	982.6	964.5	-645.7	-666.4	-641.0	546.8	564.4	386.0

CP4	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-71.9	-116.3	-143.8	59.8	105.1	62.8	0.6	104.8	-17.1
20	-112.4	-154.2	-145.5	455.5	460.4	480.3	354.5	350.2	311.1
40	-219.5	-209.3	-218.0	935.5	957.3	893.8	644.5	641.6	637.6
60	-375.7	-276.2	-302.6	1413.1	1339.5	1306.3	1025.9	965.8	984.8
80	-472.2	-495.0	-486.0	1809.1	1811.1	1749.6	1350.5	1331.2	1267.3
100	-569.0	-584.5	-593.2	2334.7	2334.4	2293.5	1689.9	1652.6	1594.7

CP4	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-35.4	-68.5	-88.1	23.6	65.5	35.1	9.8	59.3	-13.8
20	-101.2	-120.1	-115.8	283.2	284.0	300.0	186.4	180.5	164.3
40	-200.0	-180.0	-186.1	574.2	600.5	552.2	333.8	339.1	343.9
60	-326.4	-247.3	-266.9	875.6	839.9	817.7	534.4	506.6	528.0
80	-420.7	-399.2	-403.8	1119.6	1131.0	1088.8	704.2	698.2	682.1
100	-510.5	-489.0	-496.6	1441.9	1455.7	1426.8	881.3	863.6	851.9

CP4	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-27.3	-54.8	-79.3	26.2	66.8	32.6	13.3	51.0	-3.8
20	-114.2	-125.3	-122.3	257.3	256.7	270.2	141.7	135.8	133.9
40	-228.0	-201.2	-201.9	512.4	537.8	489.6	251.6	258.6	276.4
60	-362.8	-283.6	-294.4	785.2	749.2	734.7	406.8	379.6	422.0
80	-470.7	-434.9	-433.0	1006.0	1010.6	970.7	533.8	527.7	574.0
100	-577.2	-535.2	-535.8	1296.1	1307.7	1277.2	667.7	652.7	680.8

CP4	SG28								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-23.6	-84.4	-141.5	2.6	83.0	23.0	17.5	37.0	-75.1
20	-123.9	-115.1	-119.5	306.0	301.0	334.5	171.5	155.3	164.0
40	-245.3	-166.5	-159.6	590.7	660.0	558.6	306.2	327.9	382.1
60	-390.0	-232.9	-239.3	919.9	908.5	895.6	494.9	470.4	576.7
80	-509.5	-362.5	-363.8	1176.0	1206.5	1142.3	642.8	646.8	752.1
100	-622.0	-464.3	-467.3	1516.4	1579.7	1529.5	812.4	794.1	906.1

CP4	SG29								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-21.5	-104.1	-175.9	-1.9	105.5	26.3	27.5	39.2	-98.7
20	-113.2	-94.8	-102.4	364.6	355.4	398.0	232.6	208.8	228.6
40	-223.8	-116.4	-106.1	689.1	783.3	651.3	418.8	450.7	524.3
60	-359.0	-156.3	-163.0	1087.8	1073.9	1056.0	668.9	645.4	788.4
80	-468.9	-261.2	-264.6	1387.0	1427.4	1335.8	868.2	878.8	1032.6
100	-568.3	-347.9	-352.9	1787.7	1870.0	1804.2	1106.1	1083.9	1248.5

CP4	SG30								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-24.2	-221.0	-378.6	-10.0	225.9	40.8	73.4	62.7	-236.9
20	-150.1	-91.2	-113.6	764.5	717.9	814.5	551.8	487.6	548.3
40	-296.1	-36.1	-7.1	1403.1	1609.9	1310.2	1007.8	1081.1	1261.8
60	-487.2	-20.4	-32.9	2213.1	2204.8	2165.9	1593.7	1555.3	1893.7
80	-635.1	-114.2	-124.8	2837.3	2903.8	2714.6	2081.4	2102.2	2499.7
100	-755.2	-209.1	-221.2	3680.1	3824.5	3671.0	2639.8	2578.7	2995.8

CP4	SG31								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-17.5	-49.3	-73.2	12.4	58.3	26.3	16.3	60.9	-4.4
20	-123.1	-133.1	-131.7	264.6	261.1	278.4	141.7	130.9	130.4
40	-250.9	-225.2	-224.3	520.5	553.0	509.0	237.6	254.8	270.2
60	-388.7	-317.9	-329.7	801.5	781.9	755.2	393.9	379.7	419.2
80	-510.8	-477.1	-476.4	1025.2	1045.9	1007.7	517.0	522.3	548.3
100	-626.4	-587.4	-589.5	1324.4	1342.9	1318.8	648.0	639.7	671.0

CP4	SG32								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-26.6	-60.5	-82.6	17.4	63.5	31.4	9.8	70.4	-5.3
20	-109.4	-127.2	-123.7	292.4	290.9	309.1	185.8	177.6	169.4
40	-221.5	-202.8	-204.4	583.8	613.6	571.0	321.6	335.9	346.0
60	-349.3	-281.3	-296.5	891.7	869.3	838.8	523.4	505.8	538.4
80	-455.4	-442.7	-439.6	1140.9	1164.0	1123.9	689.1	694.0	701.1
100	-556.4	-537.8	-541.4	1475.2	1492.4	1470.4	863.0	854.5	865.1

CP4	SG33								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-69.1	-114.0	-139.9	42.3	100.5	58.8	-5.1	120.2	-6.3
20	-109.0	-155.0	-145.9	483.6	486.9	513.6	388.2	381.1	348.0
40	-216.0	-211.6	-219.3	987.6	1018.3	964.5	695.6	701.2	701.3
60	-365.3	-275.7	-305.4	1493.6	1443.3	1395.5	1111.6	1066.0	1090.4
80	-460.9	-501.6	-489.2	1910.2	1939.4	1883.5	1465.1	1459.4	1414.3
100	-555.5	-587.0	-596.2	2470.9	2483.4	2459.6	1835.5	1806.9	1764.3

CP4	SG34								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	5.9	-13.3	-26.3	-51.6	4.9	-18.8	-14.8	-19.8	-53.9
20	179.4	206.4	197.0	-88.0	-101.3	-91.4	90.0	84.0	103.1
40	364.2	408.4	412.2	-198.9	-172.1	-189.3	181.1	183.5	225.4
60	553.1	599.3	598.9	-300.8	-238.9	-256.2	266.8	273.6	320.8
80	727.1	838.3	827.0	-373.6	-344.0	-385.6	358.1	366.0	458.2
100	908.7	1013.4	1002.0	-481.6	-451.2	-451.1	450.1	442.6	533.8

CP4	SG35								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-88.5	-40.7	-19.6	0.6	-64.1	-29.9	-93.0	-71.1	-58.3
20	154.6	129.8	136.4	-114.6	-112.9	-120.6	44.8	78.9	48.2
40	339.5	299.2	286.0	-210.0	-254.6	-203.3	135.7	73.2	67.1
60	478.7	440.3	443.0	-344.8	-343.1	-351.7	187.5	141.1	94.3
80	648.5	556.2	574.4	-423.6	-445.9	-454.5	240.2	213.0	144.1
100	810.8	714.6	708.2	-558.1	-604.1	-557.5	292.8	266.5	191.4

CP4	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	4.3	-27.1	-36.2	-157.9	-24.0	-29.9	7.4	-41.9	-66.2
20	189.6	229.0	222.0	-68.9	-99.0	-82.3	135.8	121.6	139.2
40	470.6	468.5	473.4	-148.9	-163.8	-184.7	354.9	268.8	301.6
60	774.8	689.9	693.0	-200.9	-236.7	-237.6	385.8	397.2	445.9
80	1168.9	946.8	944.9	-323.1	-339.8	-358.1	610.6	527.9	610.4
100	1062.6	1151.8	1146.1	-343.6	-436.2	-424.8	755.5	645.8	725.7

CP4	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-223.5	-115.7	-49.8	3.0	-193.4	-78.0	-200.6	-168.6	-135.8
20	390.1	302.9	324.7	-283.1	-281.0	-283.0	150.6	213.4	133.4
40	845.1	719.3	690.5	-495.9	-595.0	-472.2	402.9	264.2	212.8
60	1187.2	1065.8	1069.2	-806.7	-819.9	-818.0	552.6	455.8	339.9
80	1620.8	1318.8	1374.1	-1031.0	-1069.9	-1037.5	752.6	660.1	444.0
100	2025.0	1708.0	1703.7	-1331.6	-1448.2	-1305.8	893.0	820.0	591.8

CP4	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	4.3	-3.0	5.6	35.3	65.6	46.6	15.7	21.3	45.6
20	-62.3	-71.1	-61.8	143.3	155.8	139.4	70.1	78.7	74.4
40	-129.1	-125.2	-124.4	286.3	292.8	306.0	151.7	147.9	129.0
60	-199.5	-183.6	-182.7	447.3	404.2	405.4	235.9	213.1	203.8
80	-260.1	-272.1	-252.9	572.9	560.9	564.5	297.4	292.5	256.2
100	-320.7	-322.6	-307.2	724.9	739.4	722.8	373.5	375.7	347.8

CP4	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-8.0	-3.8	3.2	60.2	64.6	43.4	35.4	25.4	41.7
20	-66.4	-71.3	-63.2	162.6	165.4	151.1	77.7	80.3	78.5
40	-128.7	-124.5	-124.4	301.7	316.0	327.4	156.4	158.4	146.4
60	-201.4	-184.4	-184.6	476.9	438.8	449.3	243.9	228.5	227.4
80	-264.4	-266.6	-253.5	617.5	604.9	612.6	317.0	308.6	288.4
100	-328.4	-323.7	-310.7	786.3	794.0	782.9	393.6	395.7	381.6

CP4	SG40								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	9.7	14.5	27.0	56.5	61.1	47.9	20.7	32.7	57.6
20	-55.6	-53.6	-46.5	116.4	124.1	101.2	52.7	62.8	54.0
40	-104.4	-101.1	-99.6	228.7	230.3	263.0	121.9	134.2	94.8
60	-165.7	-151.4	-150.1	361.9	319.2	331.2	187.9	183.0	151.5
80	-219.4	-211.1	-197.6	463.8	448.2	467.5	241.2	251.5	182.3
100	-269.6	-256.6	-243.0	583.6	583.6	580.0	291.5	322.0	256.8

CP5	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-71.0	-65.1		36.9	65.7		20.0	-14.1	5.8
20	-140.3	-146.9		170.8	162.5		41.7	21.0	31.8
40	-260.8	-284.3		323.4	325.1		50.0	48.7	33.9
60	-385.9	-417.9		488.1	511.4		81.0	86.2	71.2
80	-516.0	-566.5		670.3	646.4		139.9	103.0	96.1
100	-670.5	-716.4		822.3	825.5		151.4	120.2	117.6

CP5	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-51.5	-50.9		43.2	61.1		24.0	-7.1	13.9
20	-96.8	-103.2		160.0	152.6		66.6	48.0	59.5
40	-180.0	-196.4		297.5	296.7		106.4	102.7	89.6
60	-269.0	-289.6		450.6	472.0		166.6	168.8	153.2
80	-357.5	-393.2		619.1	600.8		245.5	211.4	203.8
100	-463.8	-498.5		762.5	761.9		288.0	256.0	256.6

CP5	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-31.3	147.9		-22.0	16.3		-99.0	-102.5	-69.3
20	213.0	171.4		-47.8	-33.1		84.4	62.7	144.9
40	467.3	416.6		-103.5	-209.7		184.2	246.0	345.5
60	701.1	607.7		-142.4	-108.2		310.8	355.0	510.1
80	915.7	790.6		-211.7	-305.7		410.1	420.7	672.4
100	1131.7	969.7		-243.3	-306.1		452.0	505.3	808.6

CP5	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	128.5	-17.7		-13.4	-35.6		131.9	126.6	104.8
20	211.1	260.5		-87.6	-94.6		189.3	218.0	145.7
40	387.2	460.3		-164.7	-74.3		414.4	334.1	267.7
60	567.4	702.4		-250.9	-264.5		577.8	511.8	397.6
80	766.8	966.6		-335.2	-250.8		754.3	711.5	524.9
100	998.1	1205.9		-422.7	-351.6		996.9	931.5	693.7

CP5	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-61.8	-59.2		24.8	67.5		11.7	7.6	28.8
20	-135.4	-142.4		177.3	177.2		58.2	39.3	52.6
40	-261.6	-269.5		338.3	345.5		71.5	67.3	51.4
60	-380.4	-395.6		498.3	543.6		124.2	115.2	106.7
80	-506.8	-540.6		678.6	688.6		190.1	150.2	146.4
100	-661.2	-684.4		856.9	886.0		220.3	182.8	186.2

CP5	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	112.4	-187.6		7.2	-81.9		206.4	148.7	94.8
20	153.2	258.8		-123.2	-134.9		194.3	238.9	79.2
40	305.7	434.7		-217.0	-21.1		459.5	303.3	166.7
60	425.9	669.0		-335.1	-384.8		603.4	459.2	231.1
80	562.3	936.6		-430.4	-260.1		775.7	684.8	284.7
100	760.8	1161.3		-577.6	-423.6		1070.7	915.4	411.3

CP5	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-110.7	400.1		-51.6	94.1		-241.1	-242.0	-156.1
20	294.0	160.1		-4.3	16.9		43.0	-22.4	220.3
40	609.8	434.1		-37.2	-341.0		56.4	249.2	483.1
60	920.0	617.6		-20.0	53.9		189.0	350.8	724.0
80	1229.1	784.8		-74.7	-372.1		278.4	337.7	988.6
100	1503.0	975.4		-46.5	-272.4		181.5	357.8	1159.4

CP5	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-49.2	-23.0		32.4	68.5		2.0	-3.0	24.1
20	-85.8	-99.3		171.4	171.7		76.7	57.4	82.7
40	-163.6	-180.3		320.4	304.9		109.9	120.3	118.4
60	-240.7	-268.1		474.4	514.2		187.2	192.3	206.9
80	-316.9	-367.4		645.0	638.4		270.9	244.8	277.2
100	-417.1	-466.3		819.3	822.0		316.7	300.2	347.6

CP5	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-40.3	-78.1		40.9	45.2		28.2	34.5	49.0
20	-168.5	-173.4		190.0	191.7		54.8	38.5	30.5
40	-325.8	-328.8		356.0	368.5		41.3	22.0	-3.9
60	-482.5	-483.5		514.0	542.1		85.2	54.7	30.8
80	-637.6	-661.1		704.8	753.1		128.2	89.1	45.1
100	-826.2	-834.2		905.9	926.8		171.7	109.5	60.2

CP5	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-35.0	-42.2		44.2	51.0		21.6	23.6	44.1
20	-120.9	-127.5		178.0	180.9		69.3	52.6	59.8
40	-236.7	-239.8		330.6	328.2		76.2	70.7	51.0
60	-358.4	-359.9		479.1	506.2		139.4	119.4	115.9
80	-468.5	-487.8		655.8	691.6		199.8	168.8	156.6
100	-599.8	-612.8		844.8	852.2		253.4	211.1	202.2

CP5	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-66.1	179.8		-47.2	37.6		-119.8	-129.4	-100.2
20	273.5	224.2		-55.3	-45.2		96.7	72.6	184.4
40	566.0	494.0		-112.3	-254.8		225.2	305.2	418.4
60	837.9	720.9		-146.2	-102.2		372.3	440.8	611.0
80	1116.1	957.2		-224.9	-377.2		503.8	514.9	818.6
100	1394.4	1187.1		-268.0	-365.8		535.0	618.5	992.8

CP5	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	76.3	-81.6		3.5	-48.6		126.5	66.3	46.0
20	188.7	261.0		-117.3	-122.5		169.0	191.7	107.1
40	378.1	461.9		-206.0	-85.8		390.7	302.2	224.6
60	535.3	693.8		-308.6	-342.2		536.4	440.1	320.1
80	708.9	967.2		-406.1	-324.8		699.3	623.0	411.5
100	940.4	1204.5		-544.9	-442.3		919.8	825.4	552.1

CP5	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-41.5	-79.4		36.2	42.9		30.5	27.4	36.4
20	-95.0	-91.6		160.9	166.3		88.8	76.7	69.7
40	-191.8	-173.2		303.2	327.6		134.7	114.6	81.1
60	-281.4	-261.2		437.6	482.3		219.3	180.0	154.7
80	-372.2	-351.7		601.9	661.8		295.9	249.0	203.9
100	-477.4	-442.3		769.1	817.8		381.8	324.5	267.2

CP5	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-30.4	-3.0		36.9	50.9		11.3	30.6	46.8
20	-109.9	-123.9		170.3	172.7		52.2	37.5	56.4
40	-242.2	-237.4		314.0	298.2		40.7	50.8	27.5
60	-355.3	-357.3		458.4	486.3		89.2	90.7	80.2
80	-460.7	-482.3		626.7	644.8		131.0	121.6	119.0
100	-585.1	-602.6		805.6	800.0		167.1	153.4	157.6

CP5	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-80.2	165.8		-43.9	42.5		-125.6	-138.0	-108.5
20	232.6	183.2		-46.7	-39.5		74.1	50.6	158.3
40	497.3	419.0		-96.5	-236.3		180.2	248.4	365.1
60	726.4	607.3		-123.6	-88.9		304.3	356.6	536.1
80	968.6	801.9		-193.9	-351.0		413.8	412.8	715.4
100	1207.8	993.4		-227.3	-331.0		422.0	486.7	862.2

CP5	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	84.3	-46.9		-10.6	-44.5		108.9	48.2	40.1
20	202.3	260.6		-134.1	-135.1		143.8	165.5	97.9
40	425.3	472.0		-238.2	-144.0		334.9	281.8	242.8
60	601.1	710.3		-354.6	-386.7		460.2	409.2	337.6
80	793.9	983.3		-472.8	-414.4		602.8	573.0	433.3
100	1038.2	1220.6		-625.0	-539.9		785.7	744.6	559.7

CP5	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-140.5	94.3		36.9	116.4		-162.6	-56.6	-45.2
20	-155.4	-237.1		234.3	234.0		-3792.1	-64.8	57.5
40	-366.0	-399.4		422.6	303.7		14454.1	-80.1	-13.1
60	-507.6	-627.7		621.7	676.9		13026.5	-97.6	50.6
80	-661.6	-863.5		843.6	745.1		11811.8	-173.6	89.9
100	-856.8	-1071.3		1096.9	999.9		14043.6	-235.0	101.5

CP5	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-103.5	-184.4		53.1	42.2		7.7	11.6	-2.9
20	-176.0	-158.9		179.1	180.6		52.3	49.6	17.3
40	-275.6	-278.7		330.6	370.0		61.8	34.5	34.2
60	-430.1	-434.2		477.8	510.1		99.5	70.8	87.9
80	-590.7	-586.1		663.9	746.6		135.8	107.9	85.7
100	-763.9	-736.8		844.4	892.1		197.7	150.8	99.9

CP5	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-39.8	-12.2		-44.0	-8.8		-41.8	-106.6	-71.8
20	260.4	288.8		-93.5	-84.9		170.2	170.1	159.5
40	628.5	599.9		-171.3	-205.6		382.2	407.0	442.1
60	875.8	892.2		-245.0	-217.0		566.6	578.0	622.7
80	1159.2	1193.5		-345.7	-391.1		755.3	752.7	795.2
100	1454.6	1475.3		-437.2	-437.5		912.6	949.9	984.1

CP5	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	227.7	233.6		-23.8	-23.9		130.4	125.1	178.1
20	267.4	271.7		-92.6	-88.1		147.2	148.7	179.1
40	387.8	430.2		-164.8	-146.6		298.0	311.0	229.3
60	603.3	684.6		-241.8	-252.4		445.1	462.8	332.5
80	843.3	951.8		-331.3	-327.0		595.3	611.9	519.3
100	1110.3	1185.5		-429.3	-403.9		740.7	764.5	681.2

CP5	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-70.9	-72.2		52.2	55.3		21.1	68.9	30.1
20	-142.8	-140.7		224.0	214.6		84.2	73.0	76.0
40	-284.1	-271.2		400.9	400.5		88.8	89.6	48.8
60	-431.1	-408.2		593.2	611.2		158.7	165.6	123.5
80	-572.9	-544.3		811.7	851.9		236.9	218.0	170.4
100	-713.1	-688.5		1042.8	1022.5		299.6	286.3	232.2

CP5	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-63.2	-29.4		44.2	53.2		6.1	41.8	23.4
20	-116.6	-127.1		189.9	183.0		58.3	44.4	63.5
40	-236.1	-237.2		338.0	313.3		46.0	61.2	44.5
60	-356.3	-362.6		502.4	516.3		98.4	114.6	109.5
80	-470.9	-486.3		685.1	694.1		151.5	144.9	152.5
100	-588.8	-610.4		882.2	842.2		185.4	186.4	199.3

CP5	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-68.8	152.5		-47.3	28.6		-103.3	-156.0	-93.7
20	244.0	210.9		-68.5	-59.5		94.0	67.7	160.3
40	559.2	471.7		-133.2	-256.2		227.5	288.3	394.9
60	792.6	688.1		-180.1	-149.4		373.2	399.8	570.0
80	1061.6	908.4		-268.7	-417.0		496.5	481.0	754.4
100	1318.0	1128.4		-326.4	-409.8		534.9	575.4	910.6

CP5	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	153.9	-26.0		-23.4	-43.4		142.7	99.7	90.8
20	200.3	240.2		-111.2	-107.4		155.1	182.6	105.2
40	369.9	419.6		-192.3	-80.7		356.3	294.2	248.3
60	577.8	665.6		-291.9	-294.4		487.8	454.5	340.4
80	764.9	905.4		-383.0	-292.9		630.5	627.9	456.7
100	960.7	1111.3		-512.9	-389.7		841.8	803.2	576.8

CP5	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	319.8	-162.8		4.5	-80.4		418.4	283.1	271.3
20	592.6	756.2		-158.2	-165.9		653.7	708.9	480.8
40	1134.0	1358.0		-270.6	40.7		1435.8	1203.9	957.2
60	1672.7	2091.0		-415.5	-446.6		2013.8	1811.3	1402.6
80	2222.0	2862.9		-536.1	-255.5		2646.8	2490.0	1853.0
100	2883.6	3539.8		-728.4	-440.3		3447.4	3205.8	2396.2

CP5	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	224.5	-119.4		-3.1	-73.9		283.6	205.0	182.5
20	356.2	468.5		-135.1	-142.7		375.8	423.7	258.8
40	678.5	826.5		-236.2	-19.2		842.8	688.9	522.5
60	1002.7	1281.9		-359.0	-401.9		1163.4	1040.2	751.7
80	1333.1	1760.4		-470.7	-272.3		1521.9	1447.9	995.3
100	1728.8	2170.9		-627.2	-442.3		2006.3	1866.7	1297.8

CP5	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	216.2	-119.5		-4.9	-81.3		265.9	194.1	172.5
20	315.0	421.7		-144.3	-152.1		320.0	368.6	210.2
40	599.6	736.9		-252.8	-46.9		732.4	587.7	428.8
60	885.7	1145.9		-384.1	-434.5		998.4	885.3	612.1
80	1176.1	1576.5		-504.6	-318.5		1302.7	1241.2	807.9
100	1528.3	1943.3		-670.5	-500.5		1729.0	1604.2	1060.4

CP5	SG28								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-150.9	461.7		-58.4	134.9		-274.0	-291.3	-179.6
20	390.0	239.4		25.8	49.2		134.4	50.9	336.3
40	809.2	616.7		16.6	-334.2		233.5	442.2	707.6
60	1207.9	878.7		66.6	163.2		478.0	634.3	1071.0
80	1616.2	1129.5		34.1	-323.8		673.6	693.5	1448.9
100	1991.5	1406.7		97.2	-156.8		631.2	798.3	1730.4

CP5	SG29								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-189.3	555.1		-71.2	174.7		-330.5	-359.8	-213.6
20	491.8	310.4		48.9	77.5		197.3	93.7	444.0
40	1020.5	788.8		54.2	-371.6		356.5	602.4	924.0
60	1521.3	1125.1		131.5	255.7		696.9	873.8	1400.3
80	2040.4	1456.1		109.3	-327.2		969.3	976.0	1896.6
100	2509.9	1805.4		203.9	-100.0		946.3	1133.2	2269.0

CP5	SG30								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-410.0	975.1		-124.2	340.2		-581.5	-670.5	-430.8
20	921.7	597.6		134.3	189.3		454.9	249.1	880.8
40	1940.7	1516.4		185.6	-587.4		839.6	1257.9	1839.1
60	2899.1	2178.9		367.4	614.3		1542.4	1823.8	2798.7
80	3863.7	2808.7		371.9	-418.2		2135.1	2087.8	3761.6
100	4753.0	3478.1		591.3	55.9		2196.7	2460.5	4519.3

CP5	SG31								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	186.3	-228.0		8.9	-94.1		299.4	205.8	160.4
20	297.4	438.0		-149.7	-161.7		358.2	413.7	206.7
40	589.6	765.5		-260.0	4.4		823.1	618.8	428.2
60	845.8	1177.7		-401.9	-456.5		1120.6	931.4	615.6
80	1119.5	1630.0		-516.7	-281.0		1455.7	1327.7	791.3
100	1474.9	2014.2		-696.2	-475.9		1941.6	1734.8	1058.7

CP5	SG32								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	174.2	-182.7		7.5	-84.1		277.7	187.8	147.5
20	295.8	424.2		-141.0	-147.2		342.4	392.3	208.5
40	581.5	739.9		-242.0	-7.9		770.8	594.3	424.6
60	834.5	1132.3		-376.7	-415.5		1054.3	885.1	614.0
80	1106.2	1570.2		-486.3	-271.3		1372.7	1262.1	790.5
100	1459.3	1947.0		-651.2	-444.1		1832.3	1654.4	1057.1

CP5	SG33								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	265.5	-272.1		18.0	-100.3		434.4	269.3	233.7
20	546.4	746.1		-182.3	-188.3		646.1	709.8	439.2
40	1076.2	1333.1		-306.0	54.3		1433.0	1149.5	881.4
60	1552.7	2031.5		-481.4	-513.6		2000.3	1711.1	1297.3
80	2059.2	2801.5		-615.9	-285.7		2617.1	2394.3	1681.7
100	2699.6	3474.0		-833.8	-494.0		3429.4	3113.4	2208.4

CP5	SG34								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-36.0	143.9		-20.9	36.1		-67.0	-107.2	-88.4
20	225.9	167.8		-59.2	-53.8		44.6	17.9	116.2
40	435.2	378.4		-132.5	-254.3		119.7	193.2	299.3
60	668.5	561.5		-164.3	-139.9		222.6	278.1	422.8
80	890.4	733.7		-243.4	-394.7		290.0	304.7	576.0
100	1107.4	905.9		-305.4	-396.7		277.7	340.3	674.0

CP5	SG35								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	41.4	-22.6		-5.7	-10.5		69.3	3.1	-11.6
20	155.4	193.1		-122.4	-124.0		99.0	100.5	59.4
40	302.7	369.8		-240.8	-149.5		255.4	160.3	132.2
60	429.8	543.3		-341.8	-346.4		365.7	219.0	177.2
80	574.9	741.5		-454.4	-438.6		459.7	321.6	230.5
100	760.5	934.6		-603.1	-498.5		585.2	430.4	315.1

CP5	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-52.4	141.3		-27.5	30.7		-93.7	-119.6	-93.1
20	249.5	204.0		-58.6	-51.8		89.6	60.9	158.5
40	497.3	450.0		-120.9	-236.9		216.1	267.9	363.1
60	746.1	661.5		-154.5	-112.8		354.1	388.9	528.5
80	993.5	873.2		-232.8	-369.3		476.3	449.7	709.4
100	1245.3	1082.9		-287.4	-363.8		507.4	538.7	857.7

CP5	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	108.8	-151.0		31.4	-78.2		183.3	53.7	29.7
20	283.7	398.9		-241.1	-249.9		228.4	244.2	113.0
40	537.2	715.4		-440.4	-220.3		566.7	359.4	226.5
60	765.4	1063.7		-644.4	-673.9		769.3	507.4	315.6
80	1014.7	1476.5		-854.9	-733.4		988.9	735.1	395.3
100	1367.9	1854.8		-1141.1	-928.7		1302.6	1007.6	568.0

CP5	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	10.0	-43.8		59.6	10.9		47.0	45.2	65.2
20	-90.4	-92.0		158.0	159.3		80.4	73.9	57.3
40	-175.3	-179.9		289.6	281.2		95.3	90.5	57.3
60	-258.6	-254.8		411.9	389.4		171.0	151.4	124.6
80	-341.7	-349.0		570.4	619.0		228.4	223.1	165.9
100	-443.8	-449.0		741.3	710.1		308.3	280.8	207.0

CP5	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-23.4	-42.0		51.6	18.1		57.7	49.3	52.0
20	-90.2	-70.5		141.3	148.9		90.9	84.4	61.1
40	-168.0	-153.4		266.5	275.8		115.6	101.3	51.3
60	-283.6	-241.4		377.5	369.9		185.1	144.4	116.2
80	-364.6	-308.7		522.9	593.7		249.8	233.9	152.0
100	-441.1	-376.3		673.7	678.9		356.5	309.0	206.3

CP5	SG40								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	17.7	-36.8		56.0	-1.3		52.6	60.4	71.2
20	-53.7	-45.9		122.6	123.7		78.9	86.5	67.0
40	-112.3	-97.7		227.1	219.3		112.8	120.3	73.6
60	-178.2	-150.9		319.8	261.5		182.4	184.2	146.4
80	-233.3	-191.4		445.5	492.0		238.1	273.8	197.1
100	-278.7	-241.5		577.6	529.3		330.5	347.1	250.0

CP5	SG42								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-82.3	-74.5		28.2	53.6		-1.2	-18.4	-15.5
20	-72.8	-81.7		152.7	147.7		88.6	70.2	80.3
40	-127.5	-140.2		291.9	298.5		151.3	144.5	132.8
60	-179.4	-206.2		431.6	467.2		237.7	227.6	222.5
80	-249.8	-284.4		598.2	589.3		334.9	292.0	293.7
100	-332.1	-370.6		736.5	754.8		401.5	361.9	364.5

CP5	SG43								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-23.4	121.1		-15.1	11.1		-79.2	-81.7	-47.7
20	162.2	129.1		-42.2	-35.8		50.6	35.8	105.1
40	355.4	317.4		-92.0	-180.8		126.7	174.6	250.1
60	530.5	461.5		-126.2	-110.0		215.9	251.3	371.7
80	693.8	600.6		-183.9	-277.9		286.8	290.5	490.4
100	860.4	735.5		-216.5	-283.2		295.9	342.9	586.2

CP5	SG44								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-46.7	-38.4		51.8	65.9		-6.4	34.1	34.6
20	-152.6	-176.8		227.8	218.0		55.1	51.7	77.5
40	-294.2	-308.5		407.1	379.7		68.9	74.7	92.6
60	-450.5	-483.3		603.6	680.6		152.4	161.6	182.8
80	-588.2	-643.2		852.3	822.4		197.9	175.8	235.2
100	-751.2	-820.1		1053.3	1045.3		223.0	233.5	303.4

CP5	SG45								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-96.4	187.0		-42.7	23.6		-100.8	-143.2	-116.8
20	301.3	264.1		-99.4	-86.5		117.7	89.2	185.4
40	623.7	573.9		-190.3	-311.8		256.0	319.4	407.1
60	930.8	847.1		-263.7	-263.3		407.0	443.7	600.9
80	1230.5	1115.5		-393.4	-536.5		562.6	554.3	809.3
100	1540.0	1390.2		-470.2	-560.4		618.2	661.0	977.9

CP6	SG01								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	9.5	-72.7		45.6			-20.1	2.1	26.9
20	-133.7	-149.6		217.5			58.5	34.4	23.8
40	-305.9	-283.4		428.6			85.2	102.0	74.9
60	-404.6	-451.5		643.5			128.0	128.6	124.5
80	-566.5	-579.4		878.3			217.9	179.7	158.0
100	-710.5	-734.3		1073.0			233.0	215.7	163.9

CP6	SG02								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	1.2	-33.1		26.2			-18.6	0.6	32.6
20	-81.5	-94.2		139.0			36.2	21.1	16.7
40	-190.7	-175.6		269.8			53.1	66.5	49.7
60	-250.6	-276.7		410.1			79.0	84.6	79.1
80	-349.7	-361.2		553.7			133.5	117.0	101.1
100	-439.3	-456.0		682.0			144.9	138.3	109.8

CP6	SG03								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-9.2	-36.3		35.2			29.6	19.1	-77.5
20	191.9	175.7		-73.0			94.8	121.0	89.0
40	375.8	348.7		-79.0			186.6	184.5	142.6
60	535.7	561.4		-163.1			275.0	292.4	212.3
80	708.7	724.4		-199.7			362.0	425.4	285.5
100	944.3	887.0		-276.3			470.0	512.4	391.1

CP6	SG04								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-5.3	69.9		-111.3			-32.6	-39.5	141.2
20	170.4	207.5		-90.6			72.1	60.2	91.4
40	422.2	412.4		-224.6			192.6	163.6	236.2
60	599.9	575.4		-297.7			274.0	254.0	344.3
80	822.9	781.1		-436.6			359.2	274.6	443.9
100	962.7	1022.9		-501.6			432.2	383.2	539.3

CP6	SG05								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	32.1	-53.4		30.1			20.4	36.8	11.4
20	-82.5	-100.1		151.1			36.9	46.3	21.9
40	-174.7	-170.6		308.1			95.9	94.7	41.2
60	-241.5	-262.7		444.4			110.4	148.2	77.9
80	-348.6	-352.8		630.8			171.6	205.4	96.1
100	-417.1	-456.7		751.9			205.9	233.6	110.2

CP6	SG06								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	18.5	-33.2		32.8			10.6	22.2	24.9
20	-75.7	-90.0		132.4			28.6	31.9	16.1
40	-165.1	-160.1		262.1			68.5	68.9	28.2
60	-227.4	-245.5		383.2			79.9	104.7	51.2
80	-320.2	-329.6		537.2			125.9	146.4	63.6
100	-391.4	-420.4		649.8			151.4	165.6	77.2

CP6	SG07								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-19.3	-39.0		92.4			48.2	34.9	-156.9
20	188.6	159.2		-63.1			102.3	135.8	79.9
40	323.8	294.6		-24.8			170.5	171.3	86.0
60	471.1	510.3		-102.7			263.6	279.5	133.4
80	615.0	650.9		-110.1			343.2	438.4	189.0
100	863.8	779.0		-181.1			463.8	516.0	286.7

CP6	SG08								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-30.5	42.6		-166.2			-90.1	-77.1	253.9
20	114.4	173.4		-74.9			51.5	9.9	76.7
40	339.8	340.7		-234.8			128.0	129.7	278.1
60	484.5	435.4		-280.6			205.4	163.4	394.1
80	678.5	623.6		-432.9			285.7	140.4	503.7
100	726.3	834.5		-475.4			294.3	228.5	572.1

CP6	SG09								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	20.0	-36.3		15.7			19.3	38.9	11.3
20	-78.3	-88.1		134.0			23.8	40.0	18.8
40	-138.7	-141.9		263.4			95.6	83.7	37.5
60	-204.8	-216.9		382.7			93.6	148.8	61.2
80	-292.4	-301.2		545.1			134.7	182.8	76.7
100	-359.3	-386.6		652.3			180.3	213.3	95.8

CP6	SG10								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-0.1	-34.6		10.9			-9.2	14.2	13.8
20	-61.0	-68.2		139.5			37.9	47.1	34.5
40	-119.7	-113.2		268.5			122.8	111.2	75.1
60	-163.4	-176.3		398.6			143.5	180.4	120.2
80	-228.3	-239.1		559.2			197.6	229.0	150.1
100	-296.4	-306.3		674.2			251.8	266.2	185.6

CP6	SG11								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-22.1	-18.2		35.4			11.7	3.3	-63.5
20	180.6	171.2		-65.2			100.5	110.8	84.0
40	333.5	314.5		-66.1			167.4	171.9	148.5
60	492.3	509.3		-135.3			274.2	256.6	220.5
80	653.4	670.0		-174.7			363.7	387.1	294.6
100	860.7	822.8		-236.9			456.4	468.1	390.1

CP6	SG12								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-42.3	14.6		-86.0			-84.5	-70.7	163.8
20	150.1	187.9		-72.9			77.7	44.7	84.1
40	349.7	347.5		-186.8			132.4	155.4	276.5
60	512.0	483.0		-242.5			241.6	185.5	388.5
80	710.0	680.8		-361.3			338.5	233.8	496.8
100	815.8	881.5		-410.2			357.2	317.9	583.9

CP6	SG13								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	35.7	-38.9		26.4			-3.0	19.3	-7.1
20	-88.2	-110.9		157.1			11.1	32.8	18.2
40	-206.8	-187.1		298.1			101.2	73.7	35.0
60	-269.3	-290.3		445.9			94.8	138.7	78.3
80	-379.0	-395.3		627.8			129.3	170.6	82.5
100	-474.9	-502.1		752.8			163.7	184.4	98.6

CP6	SG14								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	34.8	-21.4		10.9			12.4	26.7	20.7
20	-70.6	-82.0		145.7			32.7	41.0	36.4
40	-137.1	-134.5		267.5			106.7	94.6	72.2
60	-189.4	-218.6		405.0			117.5	162.5	123.1
80	-264.6	-295.7		563.2			174.8	197.3	152.5
100	-341.1	-367.4		687.4			213.9	232.2	186.5

CP6	SG15								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-33.7	-25.6		34.9			11.6	9.0	-69.1
20	194.1	187.5		-70.2			112.6	123.9	92.3
40	374.9	348.1		-69.9			185.9	196.9	162.5
60	541.1	564.3		-146.5			302.7	293.2	236.6
80	718.6	742.1		-186.3			402.7	438.5	319.4
100	947.8	906.9		-254.4			508.1	530.9	426.3

CP6	SG16								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-14.9	7.8		-83.7			-16.7	-13.5	
20	146.1	175.3		-69.5			89.3	62.6	
40	366.9	336.4		-157.4			136.4	165.4	
60	509.6	470.4		-215.1			236.0	218.6	
80	700.9	652.8		-319.9			346.2	277.7	
100	830.4	843.1		-363.3			380.4	371.8	

CP6	SG17								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	31.2	9.6		-180.2			-8.4	-30.3	-83.5
20	-42.9	-57.1		112.6			46.3	42.3	28.9
40	-150.0	-104.2		301.4			124.2	87.2	62.6
60	-170.2	-152.2		418.2			169.8	118.0	138.3
80	-231.7	-191.1		550.7			241.0	158.4	129.9
100	-300.6	-272.8		673.4			272.4	213.1	172.6

CP6	SG18								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	16.3	0.2		39.0			-40.5	-17.8	6.0
20	-62.8	-75.9		128.5			14.9	20.9	14.9
40	-180.2	-143.9		242.9			74.1	53.8	57.6
60	-220.5	-217.8		368.6			92.3	86.3	100.2
80	-298.2	-289.4		511.6			118.3	116.6	102.2
100	-386.6	-368.3		617.1			139.0	122.9	126.3

CP6	SG19								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-46.9	-40.4		10.2			19.7	25.7	-46.0
20	166.4	166.2		-60.4			111.4	116.6	86.9
40	355.0	314.1		-56.7			168.5	196.9	156.8
60	492.3	507.3		-129.8			275.1	293.1	219.2
80	654.8	665.7		-160.7			375.0	426.8	305.5
100	859.0	812.2		-216.5			477.2	519.2	403.1

CP6	SG20								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-2.1	-7.0		-102.2			18.5	25.1	124.5
20	134.7	165.5		-69.8			88.7	66.1	91.9
40	376.8	320.2		-165.5			122.4	161.5	214.0
60	501.1	449.1		-229.5			208.3	220.7	296.7
80	688.0	619.4		-331.8			315.4	282.4	412.1
100	818.9	801.1		-378.3			355.8	373.8	496.7

CP6	SG21								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	11.1	34.4		39.2			-42.9	-14.6	1.1
20	-104.3	-88.7		155.2			40.7	22.2	8.8
40	-201.9	-173.9		273.0			37.5	42.2	90.0
60	-300.0	-267.3		424.9			102.0	65.3	122.3
80	-381.2	-330.8		592.1			133.3	82.8	130.5
100	-515.7	-445.7		716.1			146.0	109.2	158.6

CP6	SG22								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	41.1	30.5		27.7			-17.5	1.8	36.0
20	-86.2	-78.8		158.1			45.3	36.6	24.9
40	-168.7	-149.4		268.0			67.9	65.2	103.6
60	-248.5	-238.0		419.9			127.6	104.0	150.2
80	-317.9	-295.3		585.1			172.4	138.4	170.0
100	-428.1	-389.5		714.9			196.1	172.2	211.9

CP6	SG23								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-65.3	-54.4		30.5			-11.2	-8.3	-69.7
20	177.5	158.3		-63.1			86.9	107.4	80.9
40	326.8	312.6		-46.8			188.9	187.5	125.1
60	491.0	503.8		-113.2			261.6	286.7	193.9
80	636.6	644.4		-147.1			351.7	410.1	264.9
100	849.9	798.0		-204.5			452.7	490.0	348.9

CP6	SG24								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	97.4	-16.2		-82.9			67.2	20.1	162.3
20	143.6	154.6		-73.5			49.7	57.6	96.4
40	371.5	324.1		-161.9			170.6	141.2	181.7
60	523.0	436.6		-229.0			204.4	225.6	287.2
80	683.9	593.1		-330.0			299.4	246.3	386.2
100	842.1	784.4		-381.5			340.1	343.0	466.9

CP6	SG25								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	257.2	124.4		-198.7			-23.1	-73.5	472.5
20	189.4	251.8		268.1			305.6	252.7	361.9
40	574.7	595.3		307.2			777.5	658.8	904.7
60	844.9	657.7		604.9			1082.6	1027.7	1395.0
80	1128.2	961.6		749.6			1514.1	1157.4	1763.3
100	1237.6	1336.1		1035.2			1745.9	1553.3	2111.3

CP6	SG26								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	97.0	59.1		-109.0			-4.6	-44.7	205.0
20	88.7	127.2		95.3			139.1	100.4	161.6
40	297.5	294.7		72.8			344.8	286.7	404.1
60	426.8	333.0		186.6			480.2	444.6	621.1
80	567.7	487.9		215.0			670.3	485.7	787.8
100	620.7	667.4		321.1			781.7	660.1	941.9

CP6	SG27								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	79.9	53.5		-61.1			-14.5	-36.3	165.9
20	40.8	65.0		90.3			91.4	71.3	109.4
40	151.0	165.0		97.2			234.9	195.5	279.3
60	222.0	166.6		200.9			327.5	308.1	432.7
80	297.3	249.8		243.1			460.7	331.9	544.3
100	307.0	357.0		341.6			525.1	458.0	648.1

CP6	SG28H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-83.0	-84.6		118.1			53.8	50.1	-241.6
20	383.8	342.6		-126.6			219.3	270.4	175.7
40	708.5	652.8		-72.1			377.8	394.1	234.2
60	1023.3	1097.9		-221.5			572.9	612.4	353.8
80	1338.9	1405.8		-251.4			763.0	924.3	495.9
100	1830.1	1698.8		-391.2			1006.6	1108.5	697.2

CP6	SG28L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	81.9	-31.8		55.0			-33.1	-5.1	9.7
20	-163.4	-200.2		276.7			26.0	34.5	18.9
40	-401.3	-334.5		531.2			155.4	100.3	86.1
60	-516.3	-536.5		800.7			180.0	174.5	162.5
80	-722.6	-713.9		1115.3			231.9	212.7	162.1
100	-905.8	-908.3		1338.9			278.2	228.5	186.2

CP6	SG28N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	10.0	-30.6		72.2			38.9	48.5	-115.3
20	115.7	67.0		71.1			125.8	158.1	107.1
40	174.6	182.3		222.1			288.2	254.1	138.9
60	277.9	303.1		281.1			375.9	422.1	237.3
80	331.0	353.8		411.4			508.2	576.7	313.8
100	505.9	425.1		457.5			672.8	700.7	428.0

CP6	SG29H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-78.6	-85.2		132.7			70.8	68.6	-274.9
20	419.3	364.6		-118.9			248.4	306.9	202.5
40	763.1	708.8		-34.7			441.2	449.7	262.4
60	1107.7	1186.9		-178.7			653.1	707.1	402.3
80	1442.1	1510.1		-188.9			873.4	1052.3	563.3
100	1985.8	1831.1		-323.3			1156.5	1266.4	793.2

CP6	SG29L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	123.5	-25.5		61.2			-30.8	6.0	9.9
20	-224.9	-280.1		380.5			39.9	50.1	31.5
40	-545.2	-450.5		728.8			227.8	143.1	115.2
60	-703.7	-734.1		1103.6			253.5	257.2	226.2
80	-990.7	-986.3		1528.1			333.0	297.1	227.6
100	-1235.4	-1243.8		1841.7			408.1	333.4	263.3

CP6	SG29N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	37.5	-43.4		107.9			48.6	68.5	-154.6
20	108.4	32.7		162.3			171.0	213.5	145.5
40	117.2	145.9		424.4			408.0	351.2	202.8
60	219.8	245.2		567.9			529.5	584.8	347.4
80	234.9	261.7		813.5			712.9	796.6	447.6
100	414.5	304.8		935.6			938.5	959.4	606.2

CP6	SG30H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-122.7	-109.8		232.6			143.5	132.3	-489.4
20	712.7	603.4		-174.2			435.7	534.1	364.8
40	1301.2	1223.8		-4.9			812.8	794.8	447.9
60	1894.0	2021.9		-223.7			1158.4	1270.1	700.2
80	2456.9	2546.9		-223.2			1556.3	1840.7	989.7
100	3384.5	3110.8		-410.5			2077.5	2236.6	1392.1

CP6	SG30L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	195.8	-43.5		160.0			27.0	75.5	-135.9
20	-125.5	-248.6		558.0			214.7	254.6	183.2
40	-436.4	-314.0		1152.1			635.6	487.1	346.8
60	-502.1	-524.7		1686.0			786.6	821.4	607.7
80	-764.6	-756.1		2353.1			1050.4	1063.6	722.3
100	-856.4	-963.0		2810.9			1354.6	1262.9	923.1

CP6	SG30N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	73.7	-88.8		232.8			85.0	120.2	-351.3
20	304.6	152.0		315.3			387.3	476.1	336.6
40	403.7	455.1		844.0			913.7	792.2	501.7
60	688.4	738.7		1116.5			1210.4	1304.3	835.3
80	808.7	857.7		1601.2			1622.8	1783.6	1080.7
100	1255.8	1027.8		1843.5			2116.3	2148.8	1447.8

CP6	SG31H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	42.9	27.0		-189.1			4.2	-26.0	302.9
20	255.6	317.7		-126.6			135.8	101.9	179.6
40	700.1	632.3		-342.9			278.5	287.8	427.8
60	963.6	852.8		-449.7			413.5	414.9	628.9
80	1310.4	1182.3		-663.5			607.1	471.1	838.3
100	1540.6	1556.5		-740.9			674.8	653.2	998.9

CP6	SG31L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	80.7	4.4		23.8			-36.9	-13.8	219.3
20	-121.0	-139.2		264.4			57.4	52.9	59.0
40	-273.0	-221.7		468.8			200.3	158.1	179.0
60	-346.6	-390.0		730.8			253.5	253.7	291.7
80	-480.7	-508.1		998.4			350.1	297.2	340.9
100	-636.5	-623.5		1230.6			404.5	356.0	402.3

CP6	SG31N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	153.5	55.2		-150.5			36.1	-2.9	331.0
20	133.4	169.5		93.7			168.9	135.8	219.7
40	419.1	392.8		48.4			411.5	370.3	505.5
60	592.6	439.7		159.0			554.0	575.2	777.2
80	792.5	633.4		169.4			819.7	636.0	1013.0
100	888.9	891.6		285.1			924.3	863.1	1206.6

CP6	SG32H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	55.3	44.4		-221.4			36.2	-9.7	337.1
20	317.3	388.8		-191.4			146.1	110.8	197.2
40	851.4	765.7		-474.1			289.4	298.7	452.2
60	1166.4	1048.0		-642.3			430.4	433.2	663.9
80	1585.4	1444.8		-933.2			636.0	487.1	893.5
100	1885.6	1897.5		-1063.2			710.1	689.7	1068.2

CP6	SG32L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	98.1	7.8		35.5			-37.5	-11.0	93.1
20	-172.5	-196.2		316.8			47.9	43.2	47.0
40	-391.5	-326.8		562.9			192.7	140.6	161.1
60	-507.0	-552.0		876.6			236.3	232.3	269.6
80	-699.5	-723.6		1199.2			325.0	264.9	304.0
100	-912.9	-896.1		1475.7			373.5	312.1	354.1

CP6	SG32N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	126.5	42.0		-139.4			22.0	-8.5	293.6
20	102.4	134.2		83.3			136.0	107.8	177.4
40	339.2	319.8		46.0			345.7	306.7	428.1
60	479.7	354.2		144.2			464.8	473.6	656.6
80	637.6	510.2		154.4			677.8	519.7	846.3
100	709.2	717.7		257.5			767.1	706.0	1006.6

CP6	SG33H								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	74.2	54.2		-274.1			51.3	-5.0	402.9
20	413.1	499.9		-246.1			188.5	147.7	249.6
40	1084.5	975.5		-596.0			370.3	380.3	564.4
60	1489.7	1346.2		-813.7			551.0	552.4	828.1
80	2024.0	1852.7		-1176.7			810.0	633.6	1115.3
100	2420.5	2429.1		-1350.0			912.9	888.5	1339.9

CP6	SG33L								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	120.5	7.3		63.6			-38.9	-8.3	74.7
20	-220.6	-259.0		400.7			56.1	53.6	51.3
40	-512.3	-427.3		723.9			231.5	161.9	168.5
60	-666.8	-710.7		1118.4			277.6	275.6	291.3
80	-923.8	-941.8		1533.7			379.8	313.6	322.5
100	-1184.0	-1171.9		1882.1			445.4	368.8	378.3

CP6	SG33N								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	150.8	41.5		-158.5			26.1	-6.9	338.4
20	124.9	158.5		107.5			167.3	136.4	213.9
40	403.1	381.2		80.4			423.2	374.6	513.5
60	572.8	428.2		203.9			571.7	579.6	789.1
80	759.2	612.3		231.8			828.0	647.2	1015.5
100	850.1	854.3		359.6			942.4	869.0	1210.3

CP6	SG36								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-21.5	-35.3		26.7			5.3	-11.6	-62.7
20	177.0	168.7		-71.8			85.1	98.4	83.9
40	322.2	309.8		-93.6			157.5	152.5	133.5
60	487.0	492.6		-165.5			255.4	236.6	214.0
80	646.2	654.3		-219.6			331.7	343.0	285.3
100	838.6	807.4		-288.5			411.8	420.0	370.4

CP6	SG37								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-65.0	-3.5		-90.2			-116.9	-100.8	148.6
20	142.6	178.7		-65.8			55.4	33.5	84.8
40	322.7	342.6		-184.0			146.0	156.3	258.0
60	492.5	471.8		-231.2			245.0	184.6	377.1
80	680.4	661.3		-345.6			328.8	218.8	481.0
100	764.8	856.2		-390.9			333.5	299.9	560.4

CP6	SG38								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-18.1	-17.3		5.3			2.6	32.7	27.8
20	-60.6	-50.2		95.9			30.5	33.5	14.0
40	-83.1	-96.1		185.6			48.2	62.8	75.6
60	-142.7	-135.4		279.3			58.1	128.1	97.4
80	-192.7	-184.8		388.1			83.6	136.0	119.4
100	-248.3	-241.9		466.5			129.2	175.6	141.3

CP6	SG39								
	Load Condition A			Load Condition B			Load Condition C		
% Load	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03	Run 01	Run 02	Run 03
0	-17.5	4.5		5.1			-21.6	15.8	9.8
20	-53.3	-47.9		119.0			36.4	36.5	37.6
40	-104.4	-104.6		220.0			78.8	87.4	64.0
60	-149.7	-143.7		337.3			100.7	152.3	104.4
80	-191.3	-192.9		464.2			139.4	181.2	136.8
100	-264.2	-250.2		565.5			186.8	213.2	173.2

APPENDIX C—RESIDUAL STRENGTH TEST DATA

C.1 APPLIED LOADS.

Table C-1. Loading Conditions for Residual Strength Tests

Panel	Maximum Predicted Load		
	Pressure (psi)	Hoop (lb/in.)	Longitude (lb/in.)
CP1B	23.6	1750	0
CP2	23.6	1750	0
CP3	8.0	592	1400
CP4	1.0	74	1400
CP5	15.0	1110	100
CP6	20.3	1500	1500

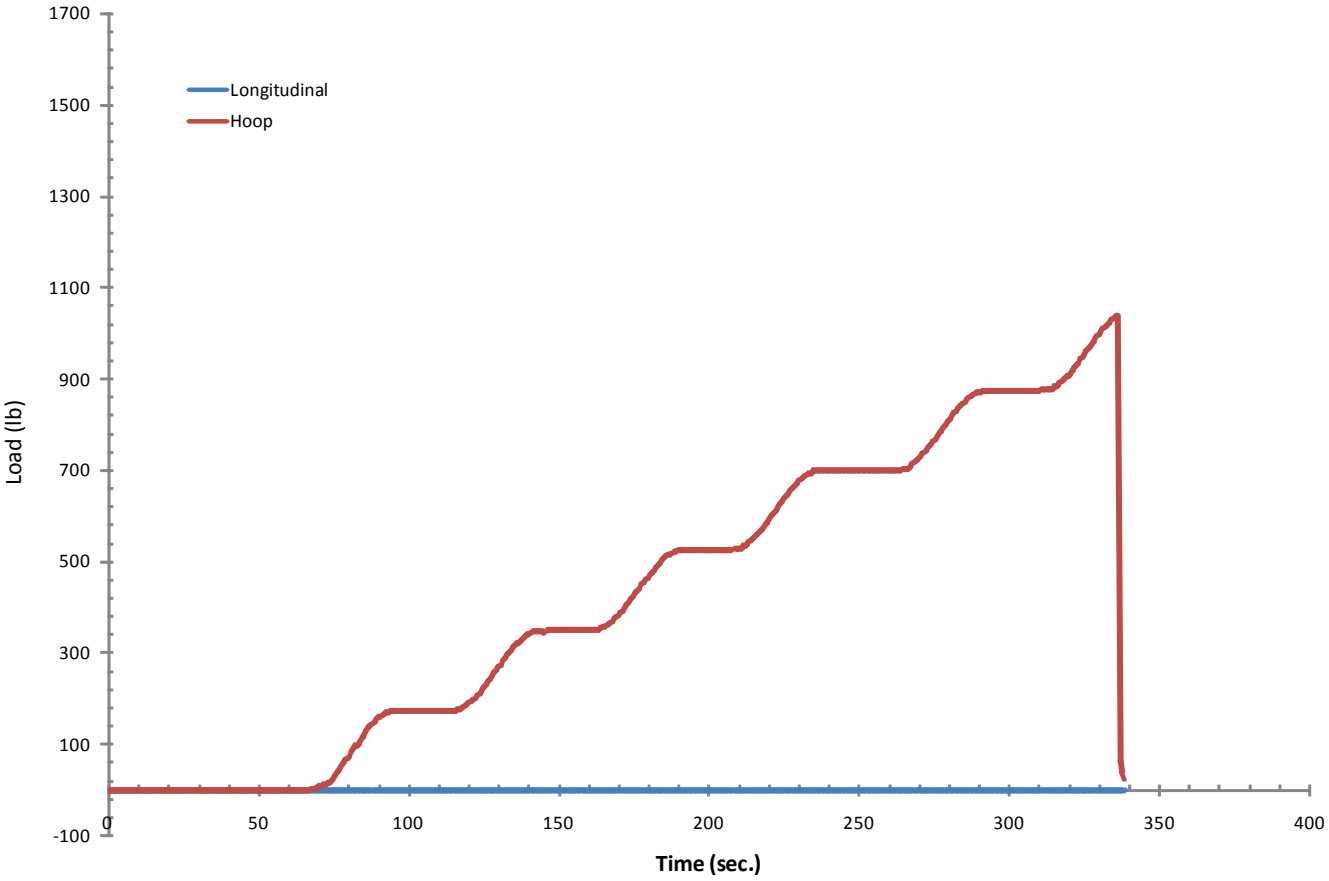


Figure C-1. CP1B RST Applied Loads

Loads were applied in ten equal steps toward maximum planned loads of 23.625-psi pressure, 1750-lb/in. hoop load, and 1750-lb/in. longitudinal load. Ultimate failure of the panel occurred at approximately 14.0-psi pressure, 1037-lb/in. hoop load, and 1037-lb/in. longitudinal load.

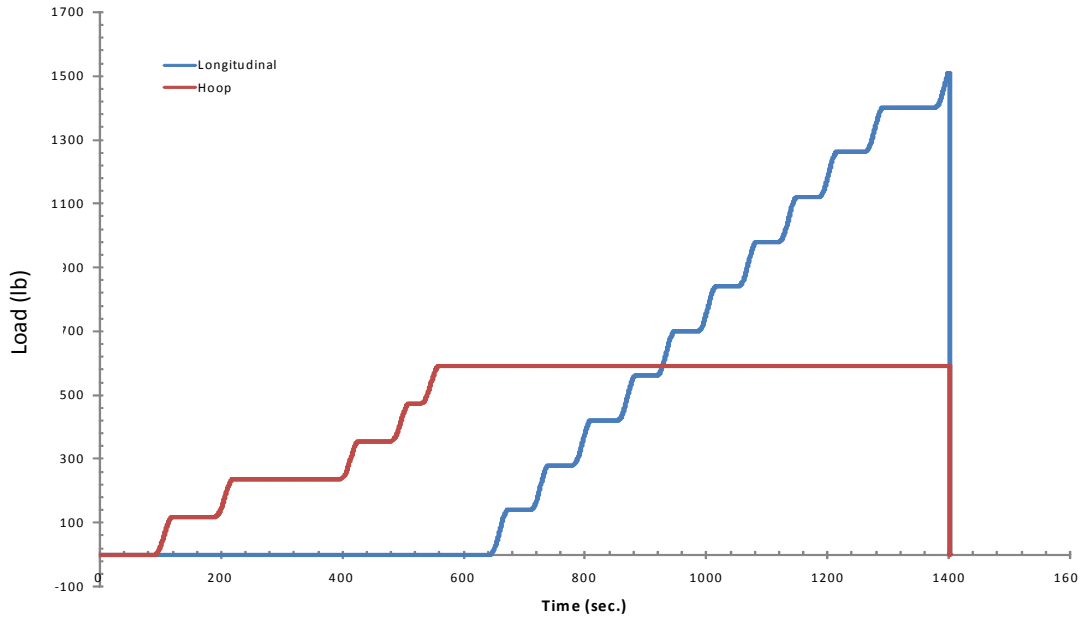


Figure C-2. CP3 RST Applied Loads

Pressure and hoop load were initially applied in five equal steps up to 8.0 psi and 592 lb/in. and held. The panel was then loaded in ten equal steps to a maximum planned load of 1400-lb/in. longitudinal load. Ultimate failure was not observed at this load level. One additional step was applied to 1540-lb/in. longitudinal load. Ultimate failure was observed at 1510-lb/in. longitudinal load.

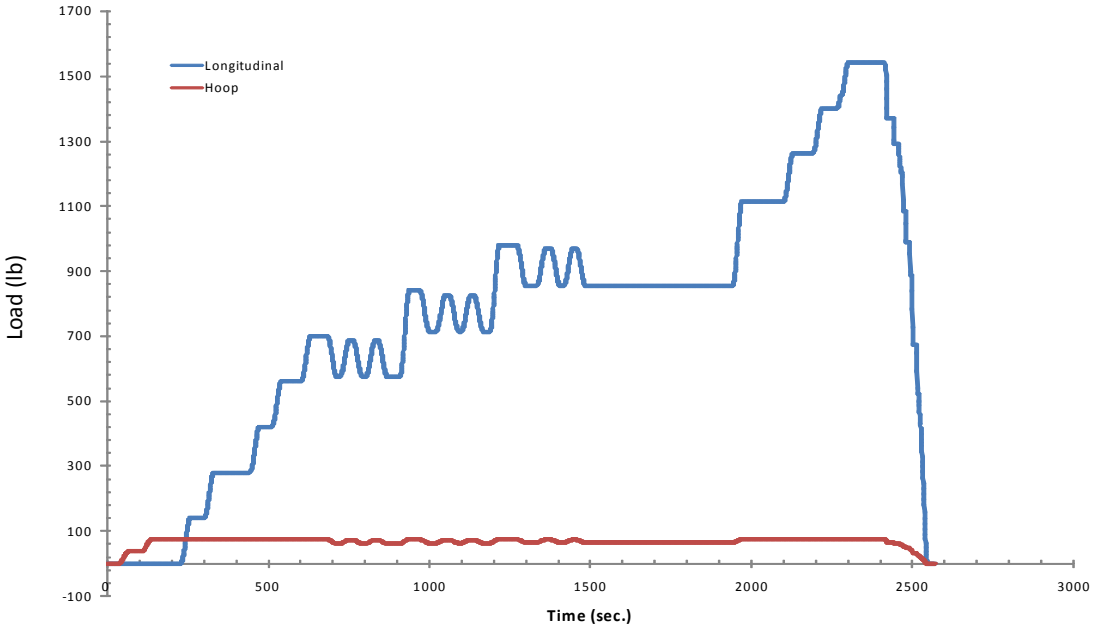


Figure C-3. CP4 RST Applied Loads

Pressure and hoop load were initially applied in five equal steps up to 1.0 psi and 74 lb/in. and held. The panel was then loaded in ten equal steps to a maximum planned load of 1400-lb/in. longitudinal load. Ultimate failure was not observed at this load level. One additional step was applied to 1540-lb/in. longitudinal load. Ultimate failure was not observed at this load level and the test was stopped.

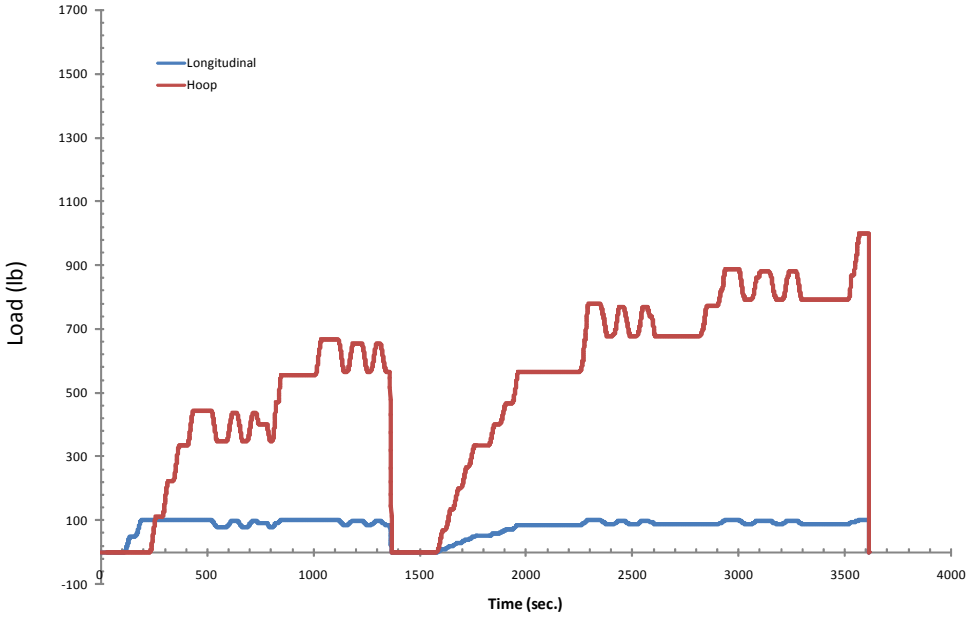


Figure C-4. CP5 RST Applied Loads

Longitudinal loads were initially applied in two equal steps up to 100 lb/in. and held. The panel was then loaded in ten equal steps toward a maximum planned load of 15.0-psi pressure and 1110-lb/in. hoop load. Ultimate failure was observed at 13.5-psi pressure and 1000-lb/in. hoop load.

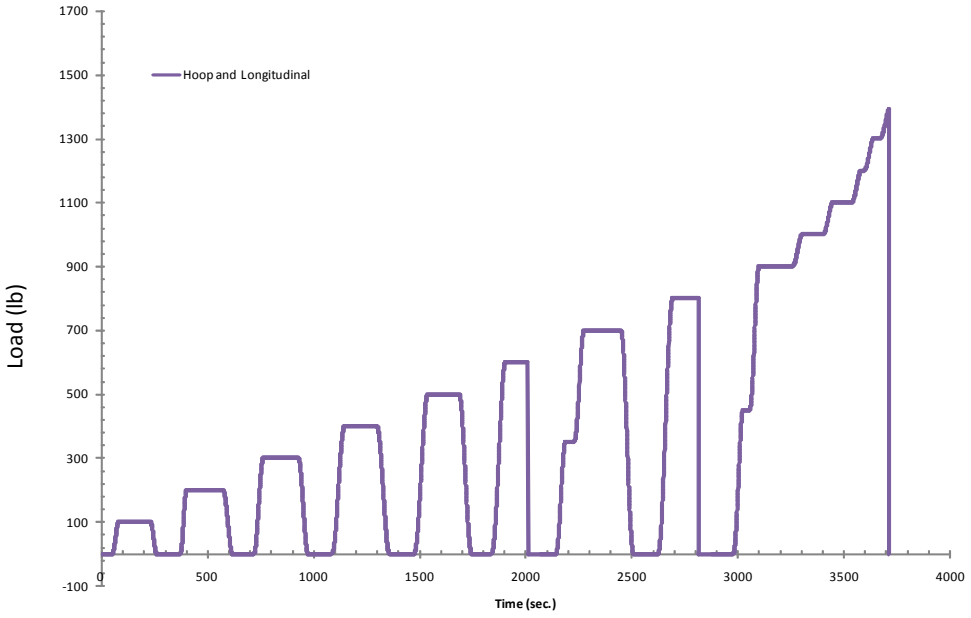


Figure C-5. CP5 RST Applied Loads

Loads were applied in fifteen equal steps toward maximum planned loads of 20.27-psi pressure, 1500-lb/in. hoop load, and 1500-lb/in. longitudinal load. Ultimate failure of the panel occurred at approximately 18.78-psi pressure, 1390-lb/in. hoop load, and 1390-lb/in. longitudinal load.

C.2 NEAR-FIELD STRAIN GAGE DATA VS. TIME OF TEST.

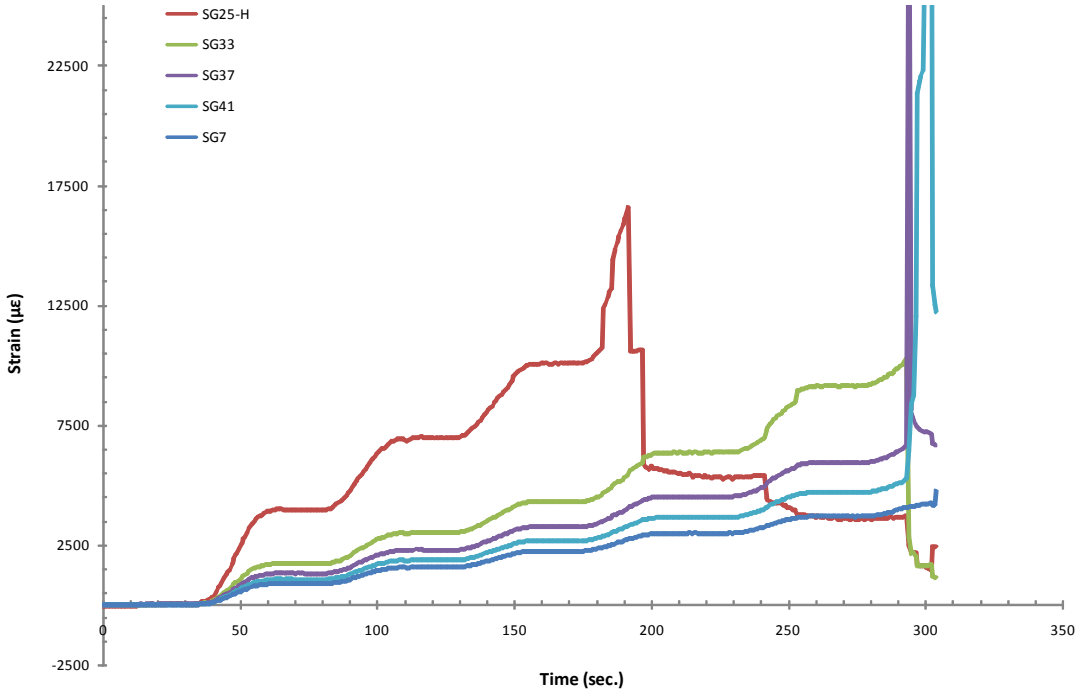


Figure C-6. CP1B RST Near-Field Strain Gage Data (Strain gages 25-H, 33, 37, 41, and 7 are located on the convex surface, 0.125, 1.125, 2.125, 3.125, and 19 inches away from the notch tip, respectively.)

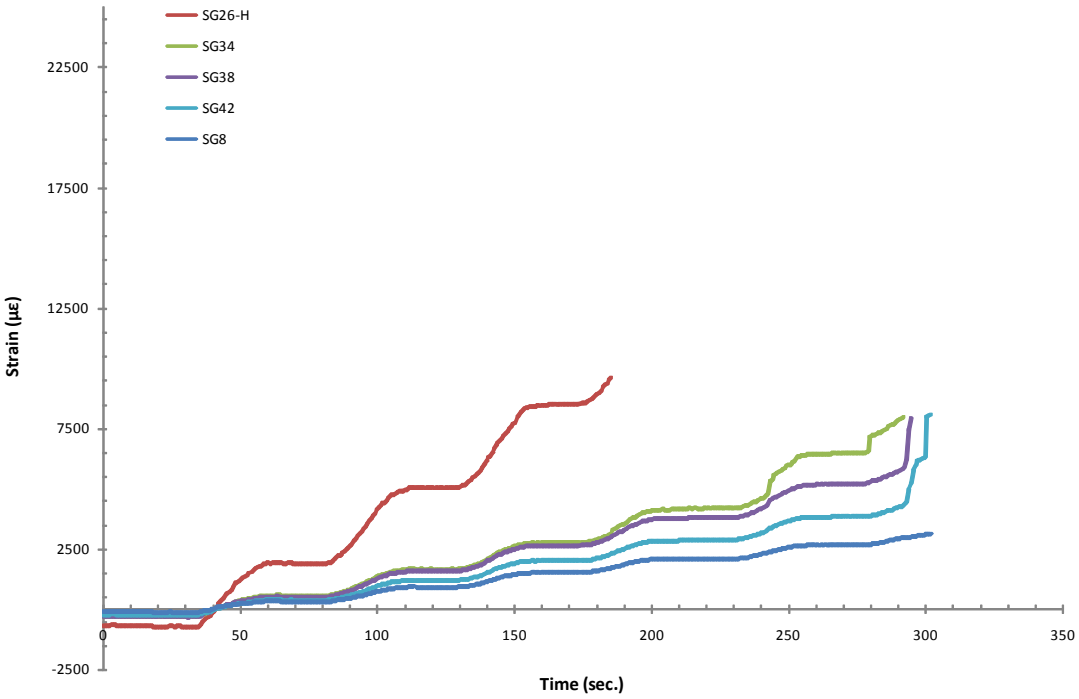


Figure C-7. CP1B RST Near-Field Strain Gage Data (Strain gages 26-H, 34, 38, 42, and 8 are located on the concave surface, 0.125, 1.125, 2.125, 3.125, and 19 inches away from the notch tip, respectively.)

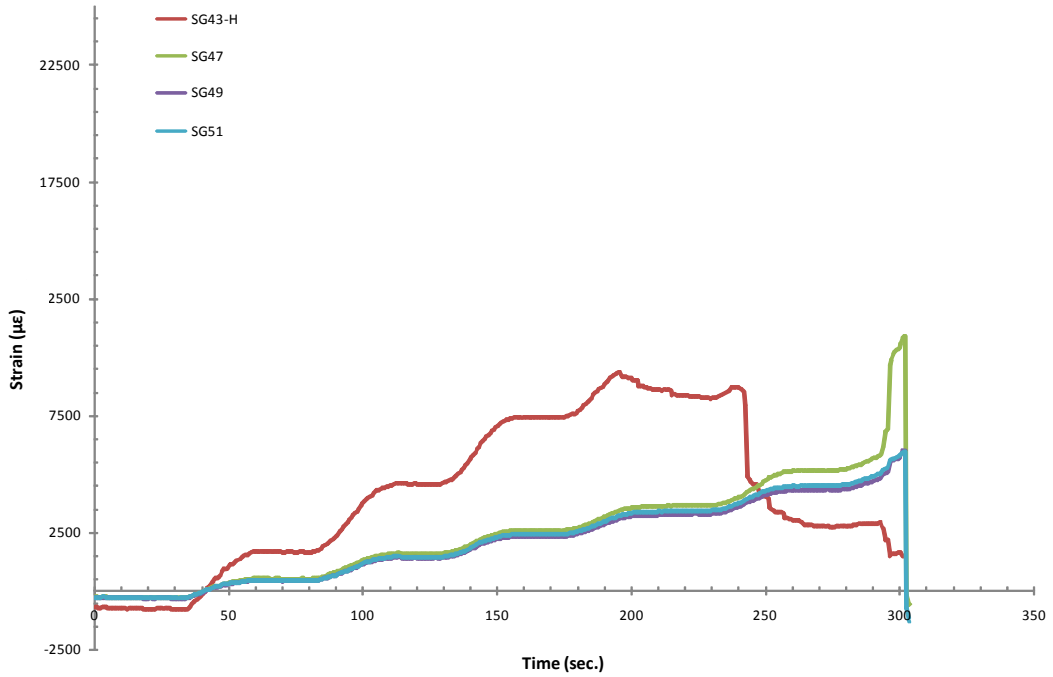


Figure C-8. CP1B RST Near-Field Strain Gage Data (Strain gages 43-H, 47, 49, and 51 are located on the concave surface, 0.125, 1.125, 2.125, and 3.125 inches away from the notch tip, respectively.)

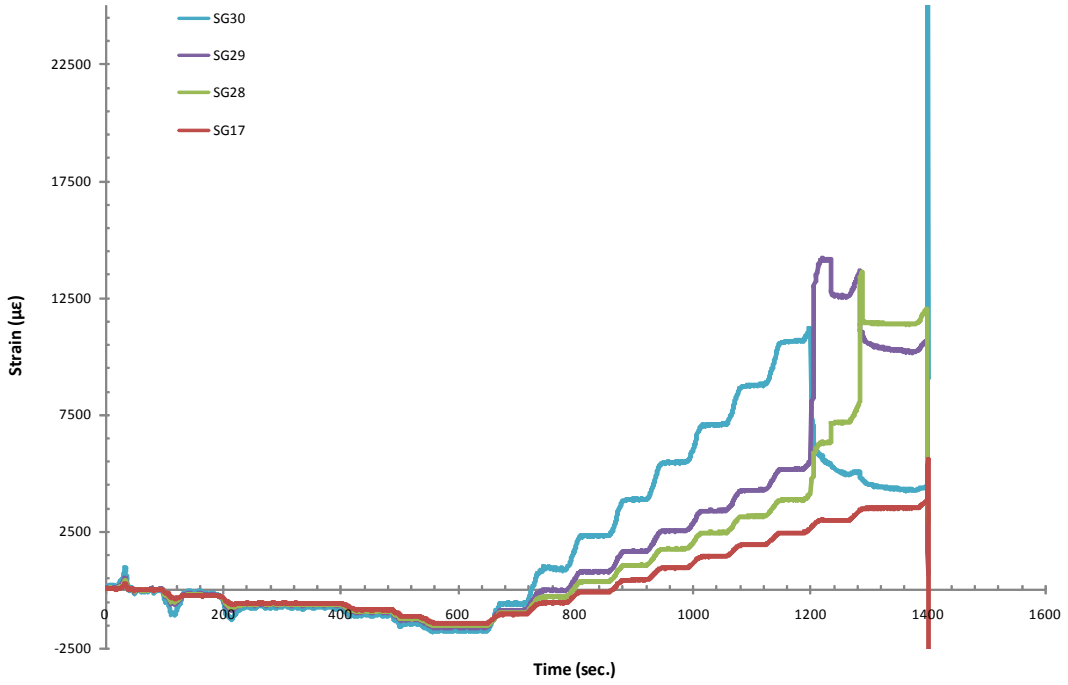


Figure C-9. CP3 RST Near-Field Strain Gage Data (Strain gages 30, 29, 28, and 17 are located on the convex surface, 0.25, 0.75, 1.25, and 7 inches away from the notch tip, respectively.)

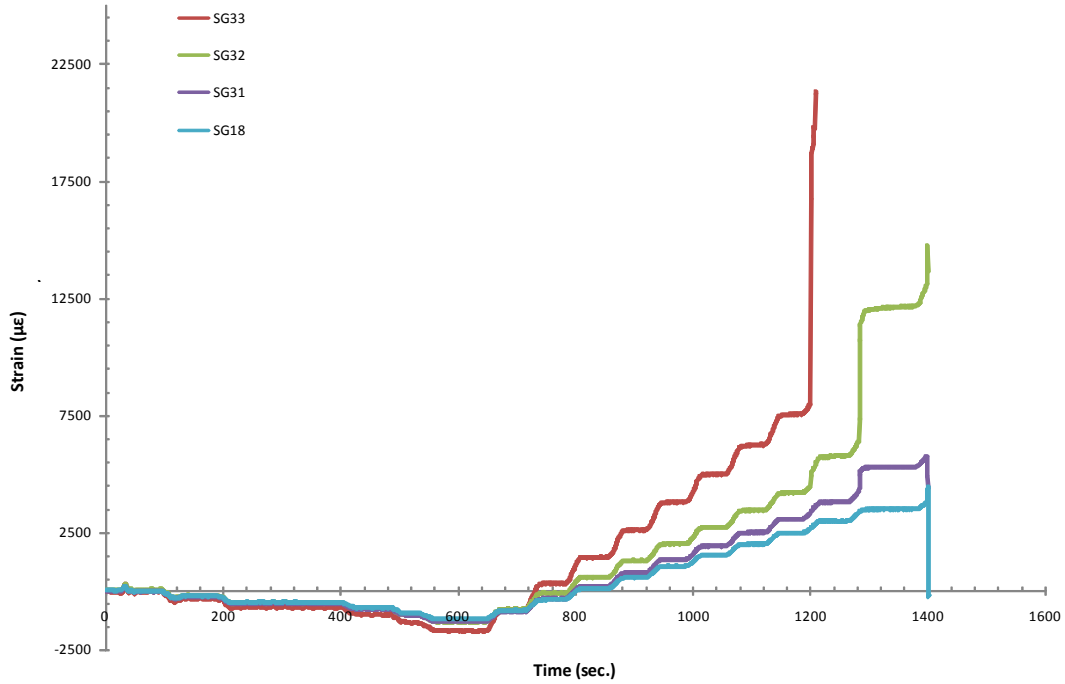


Figure C-10. CP3 RST Near-Field Strain Gage Data (Strain gages 33, 32, 31, and 18 are located on the concave surface, 0.25, 0.75, 1.25, and 7 inches away from the notch tip, respectively.)

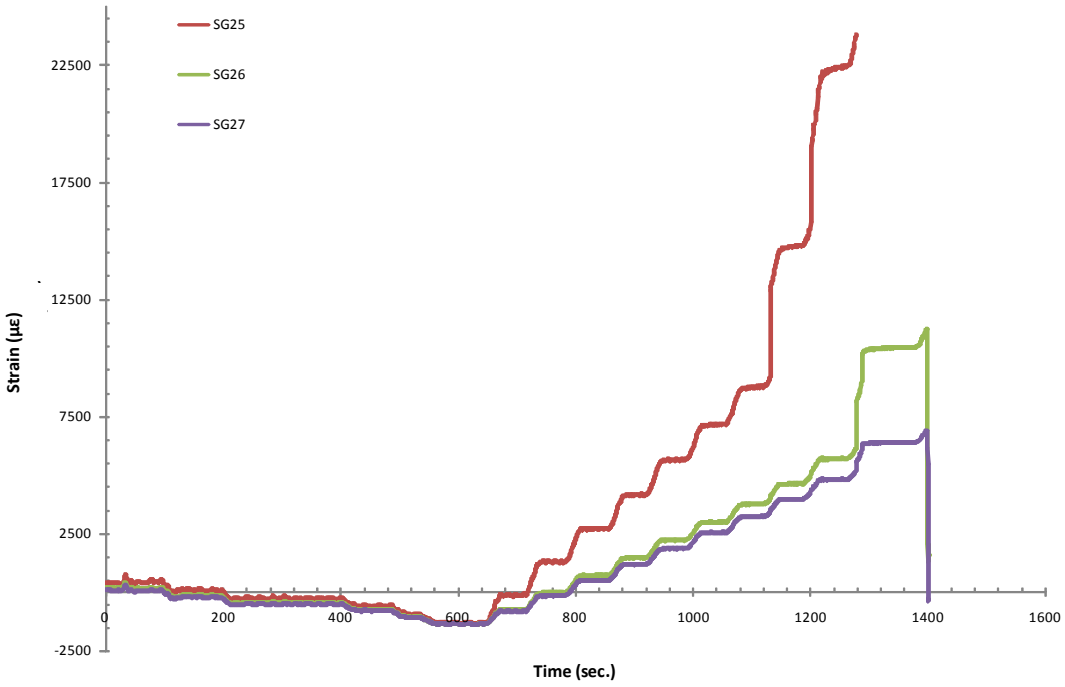


Figure C-11. CP3 RST Near-Field Strain Gage Data (Strain gages 25, 26, and 27 are located on the concave surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

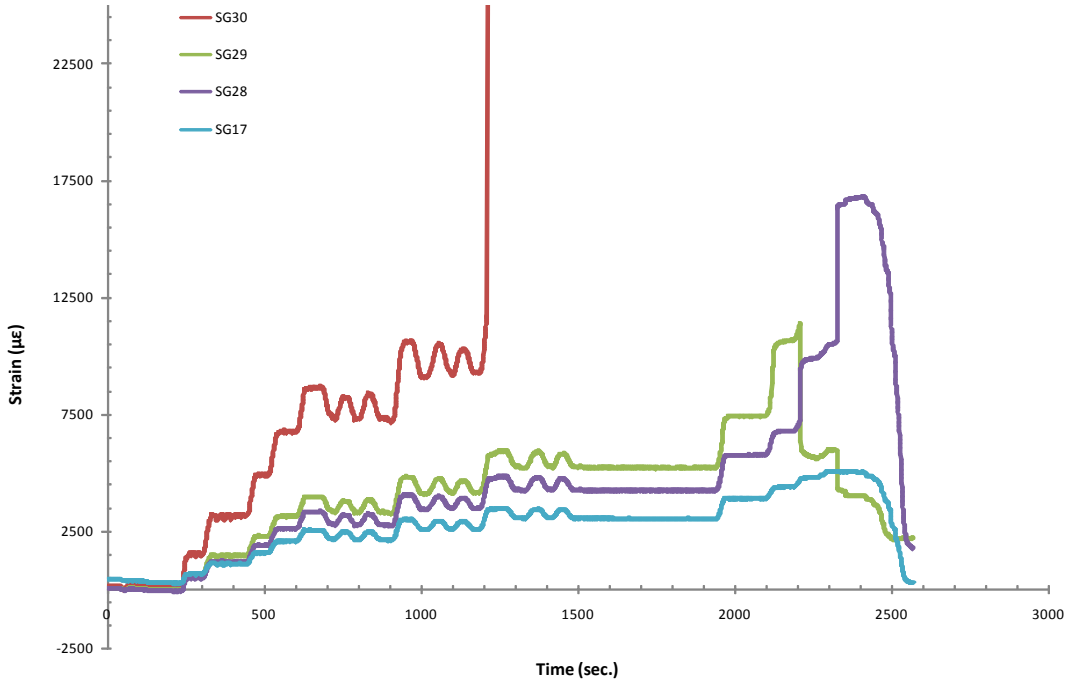


Figure C-12. CP4 RST Near-Field Strain Gage Data (Strain gages 30, 29, 28, and 17 are located on the convex surface, 0.25, 0.75, 1.25, and 7 inches away from the notch tip, respectively.)

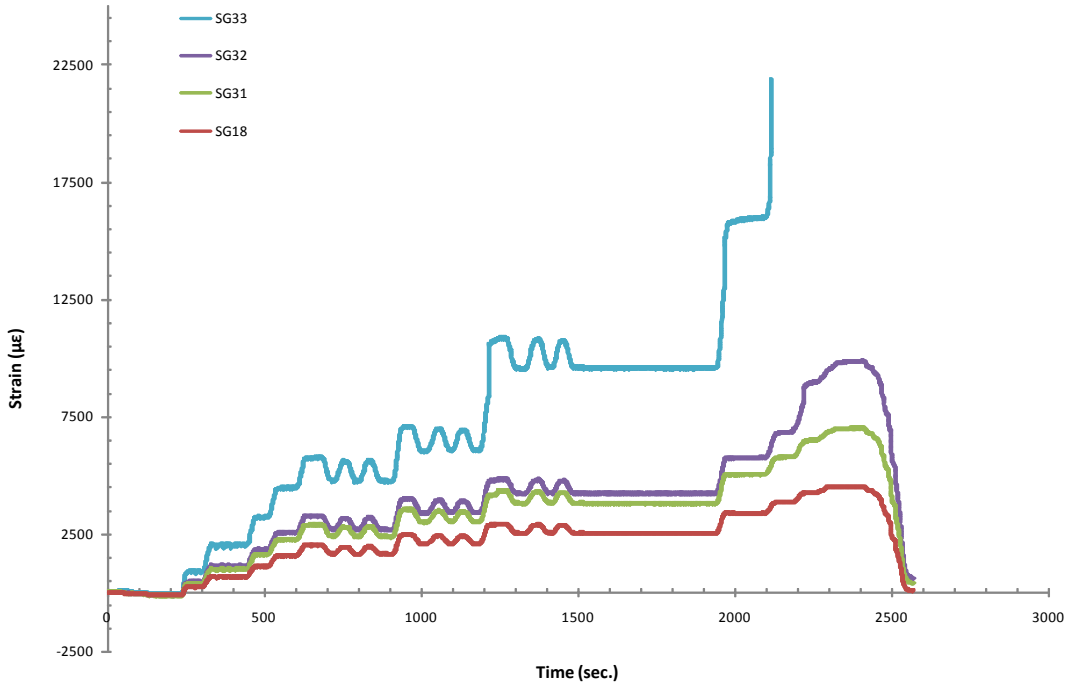


Figure C-13. CP4 RST Near-Field Strain Gage Data (Strain gages 33, 32, 31, and 18 are located on the concave surface, 0.25, 0.75, 1.25, and 7 inches away from the notch tip, respectively.)

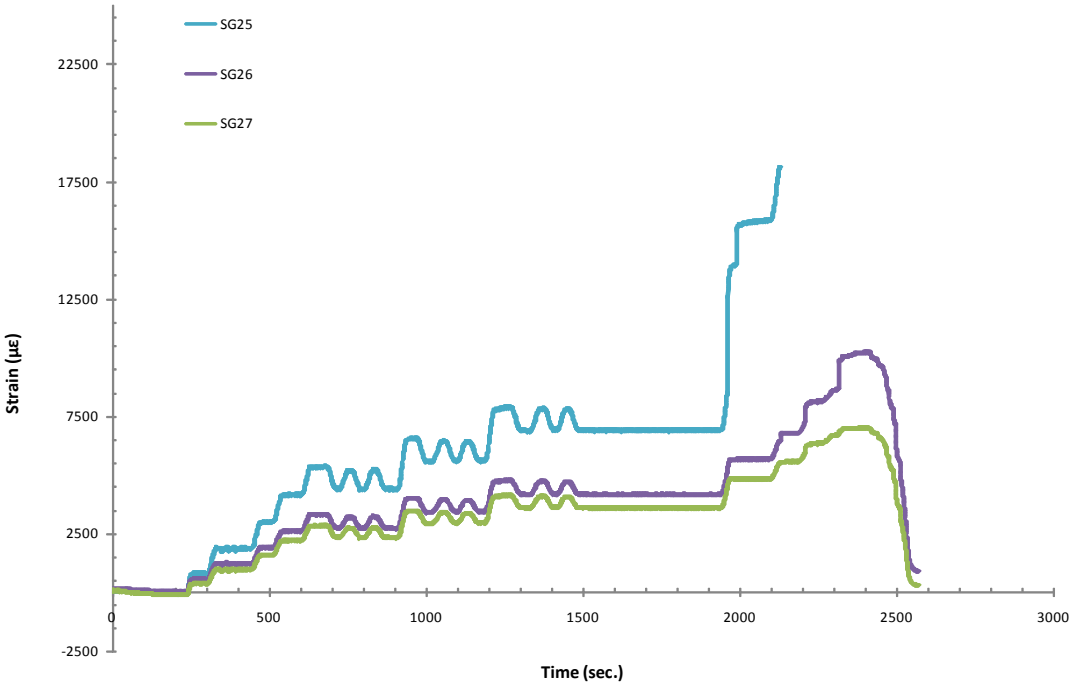


Figure C-14. CP4 RST Near-Field Strain Gage Data (Strain gages 25, 26, and 27 are located on the concave surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

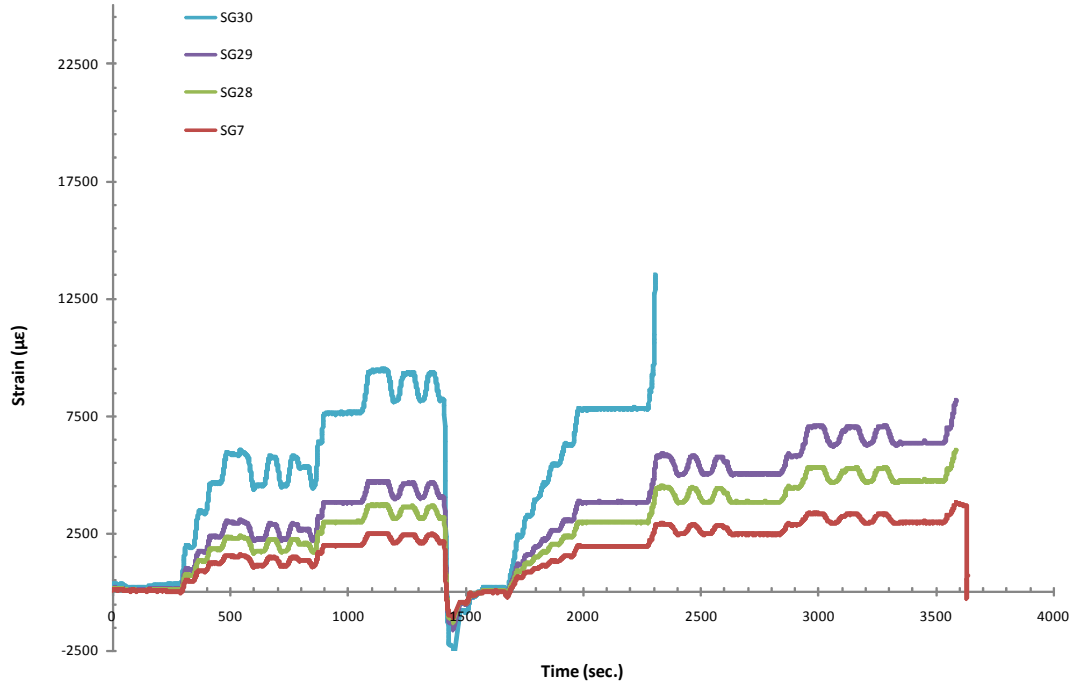


Figure C-15. CP5 RST Near-Field Strain Gage Data (Strain gages 30, 29, 28, and 17 are located on the convex surface, 0.25, 0.75, 1.25, and 19 inches away from the notch tip, respectively.)

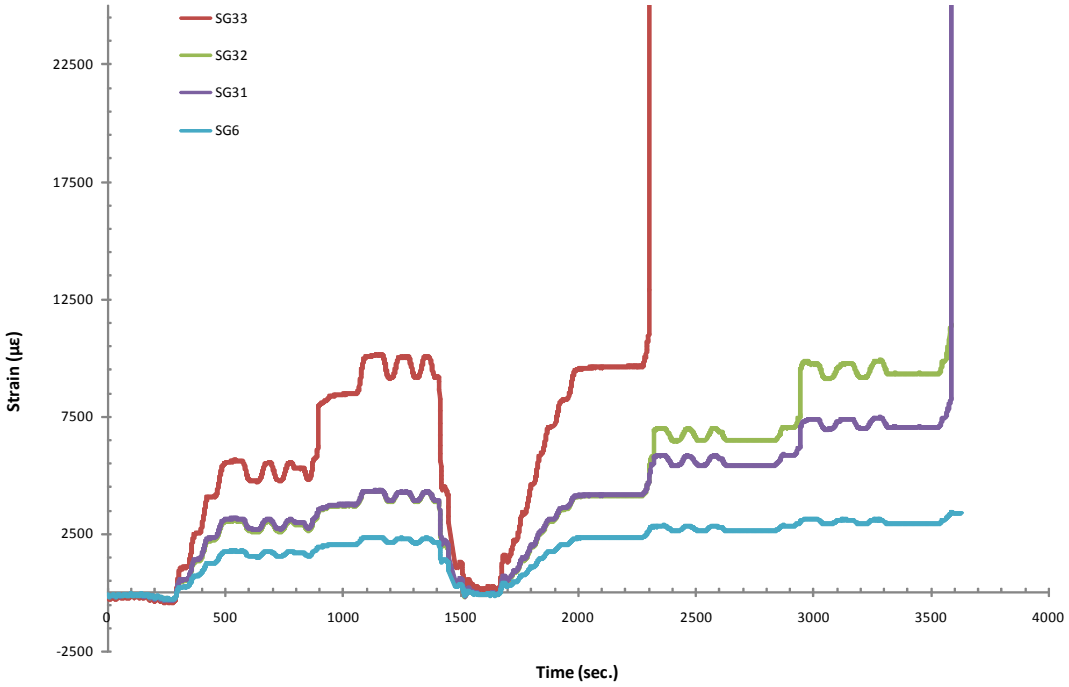


Figure C-16. CP5 RST Near-Field Strain Gage Data (Strain gages 33, 32, 31, and 6 are located on the concave surface, 0.25, 0.75, 1.25, and 19 inches away from the notch tip, respectively.)

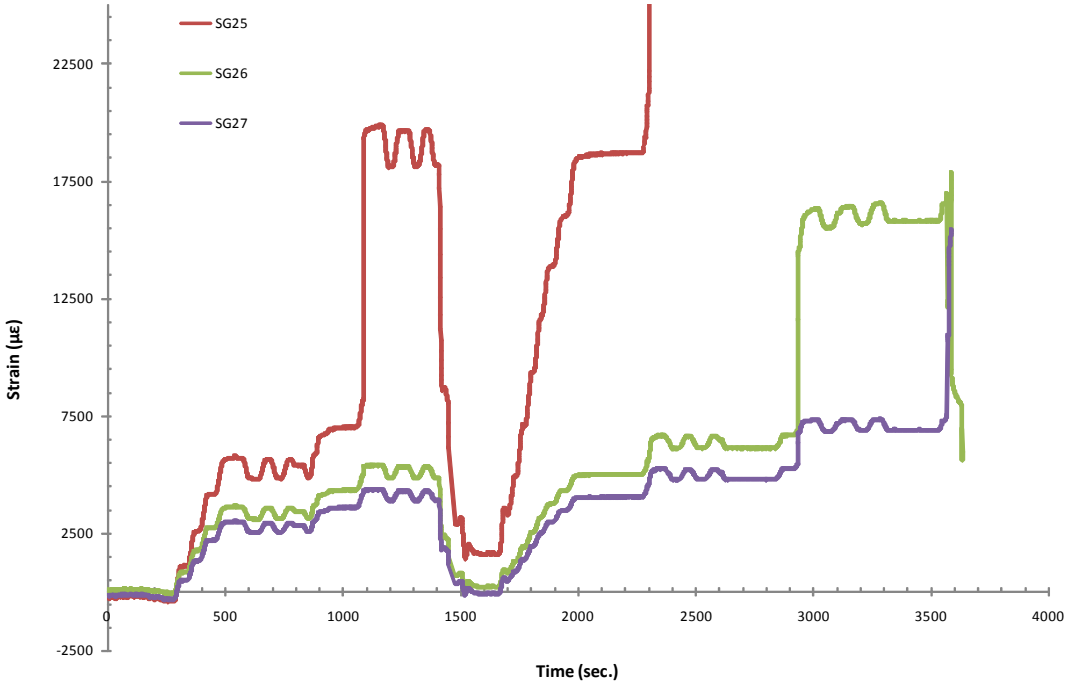


Figure C-17. CP5 RST Near-Field Strain Gage Data (Strain gages 25, 26, and 27 are located on the concave surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

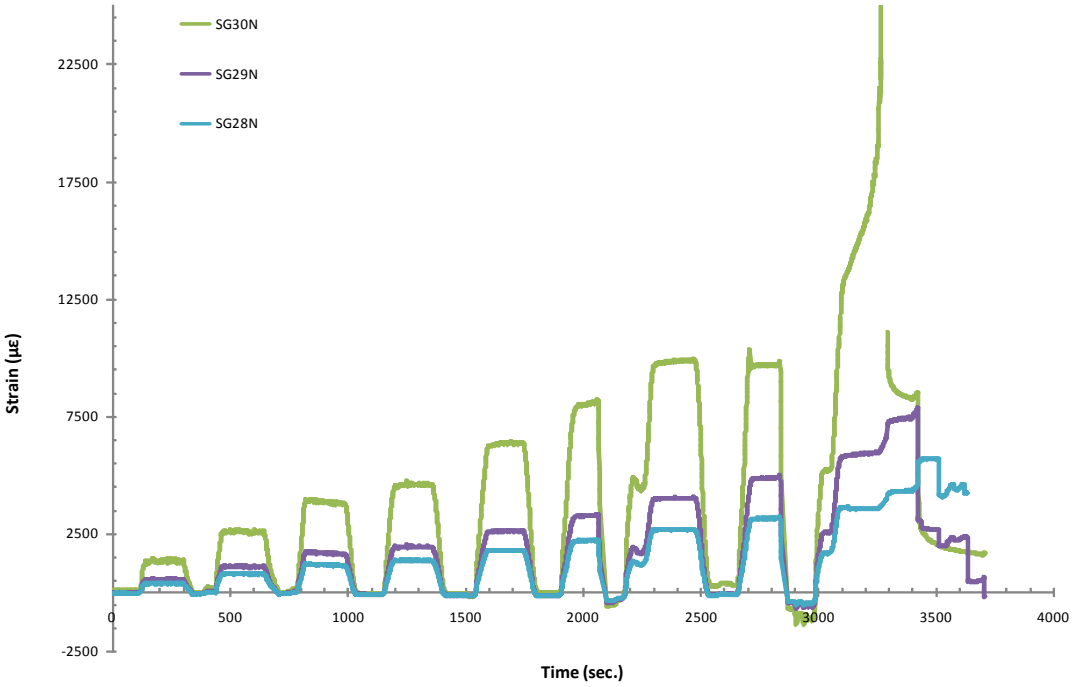


Figure C-18. CP6 RST Near-Field Strain Gage Data (Strain gages 30N, 29N, and 28N are located on the convex surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

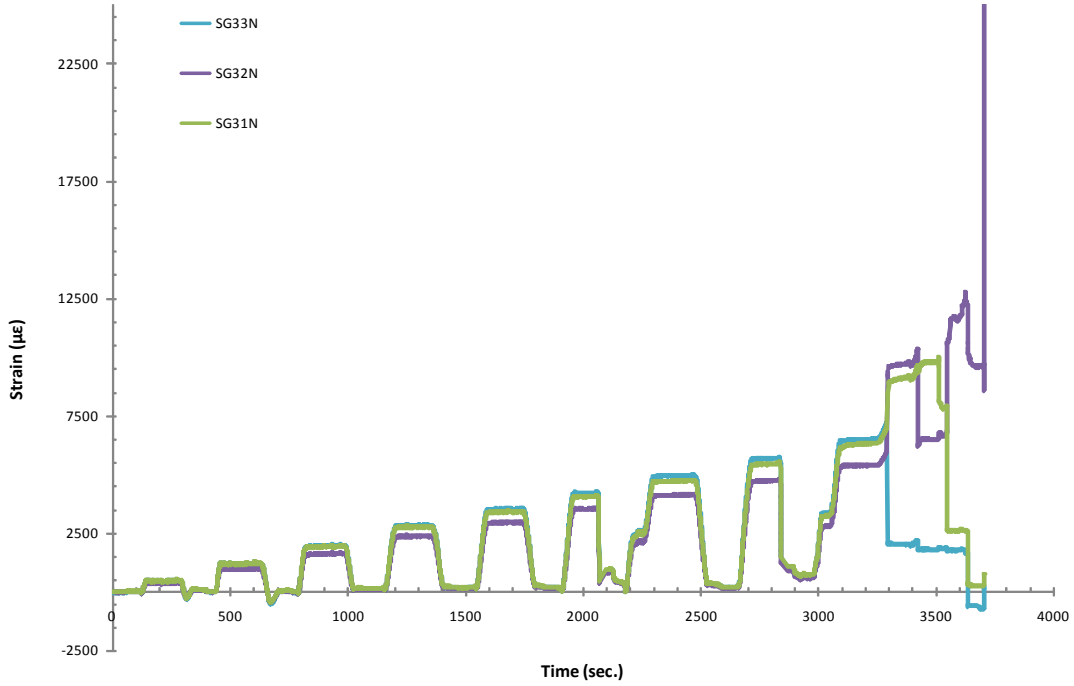


Figure C-19. CP6 RST Near-Field Strain Gage Data (Strain gages 33N, 32N, and 31N are located on the concave surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

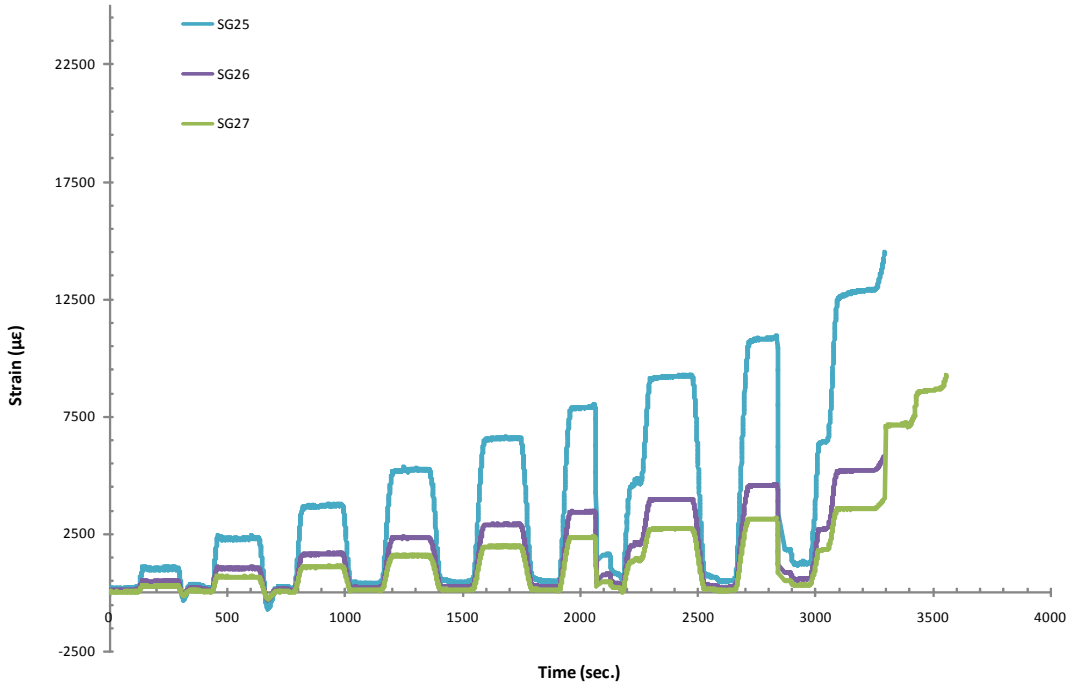


Figure C-20. CP6 RST Near-Field Strain Gage Data (Strain gages 25, 26, and 27 are located on the concave surface, 0.25, 0.75, and 1.25 inches away from the notch tip, respectively.)

C.3 FULL-FIELD STRAIN PHOTOGRAMMETRY DATA.

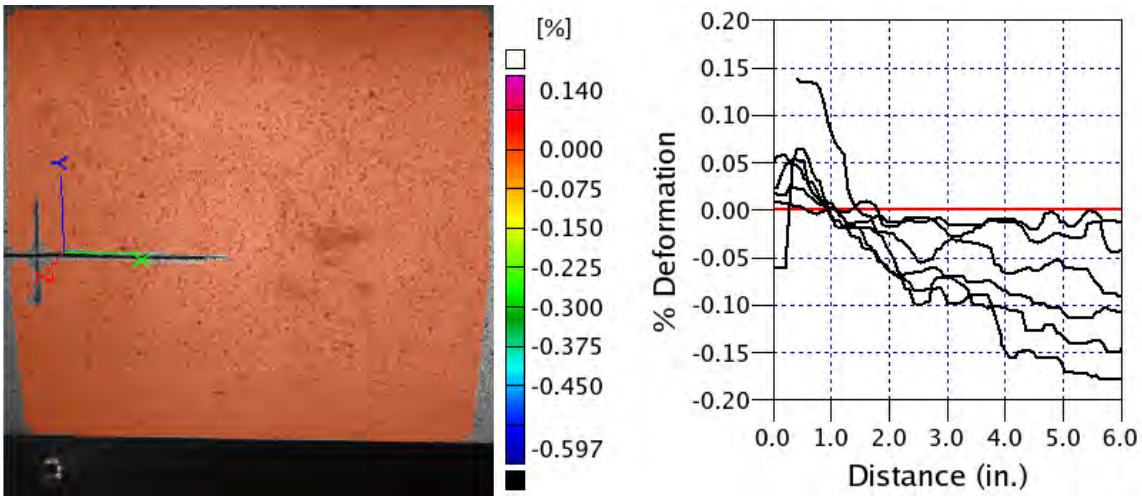


Figure C-21. CP1B RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

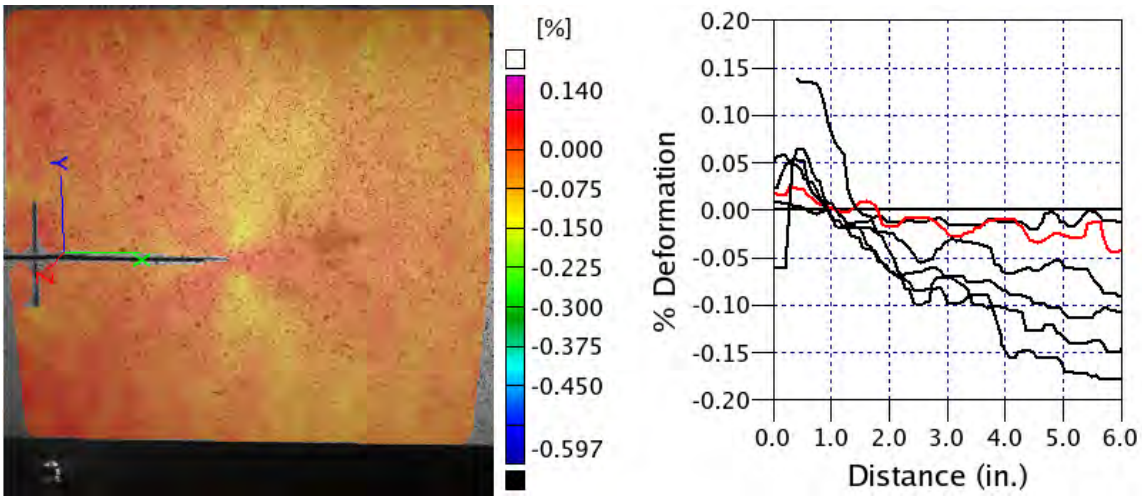


Figure C-22. CP1B RST Longitudinal Strain—2.4 psi, 175-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

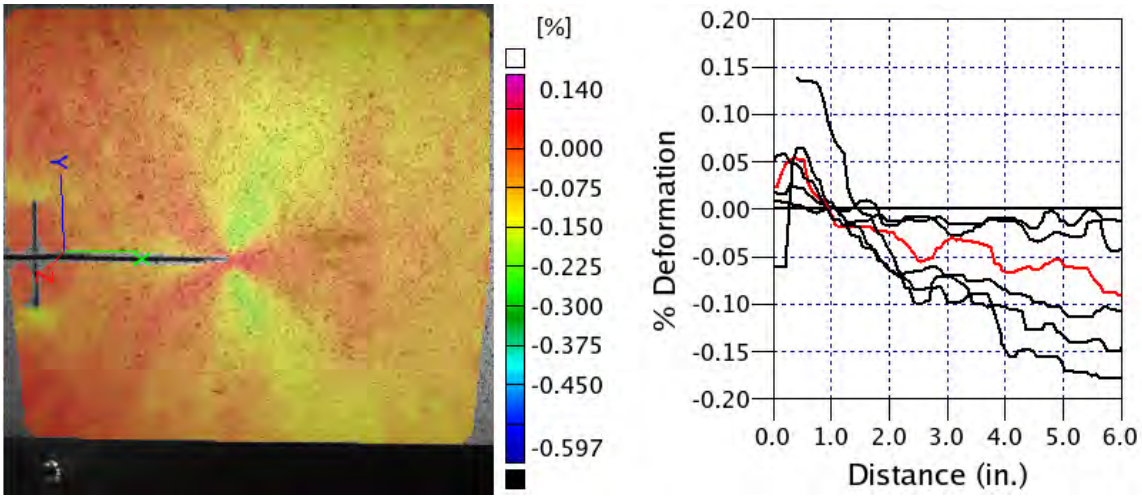


Figure C-23. CP1B RST Longitudinal Strain—4.7 psi, 350-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

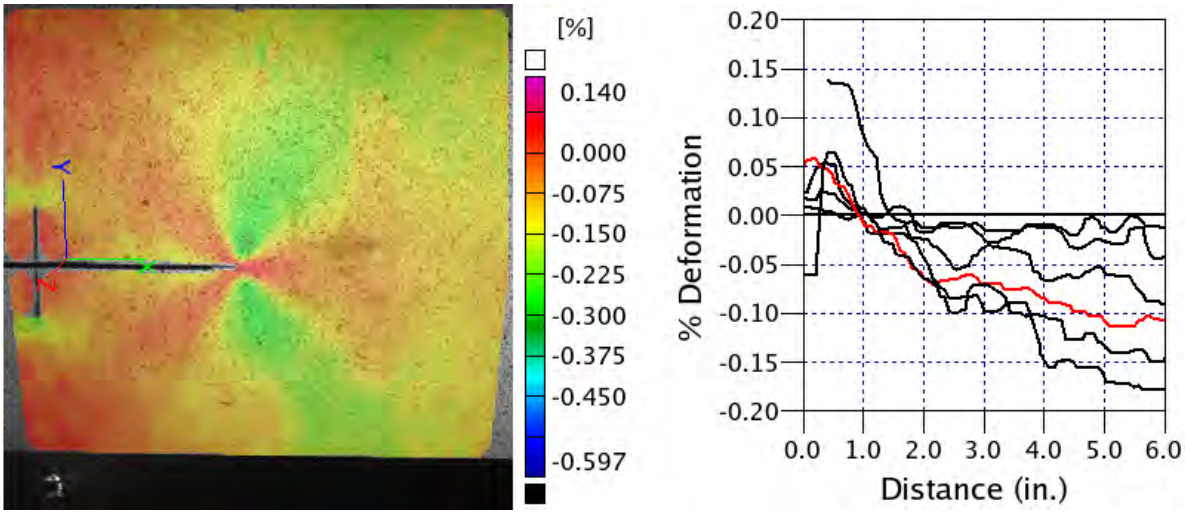


Figure C-24. CP1B RST Longitudinal Strain—7.1 psi, 525-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

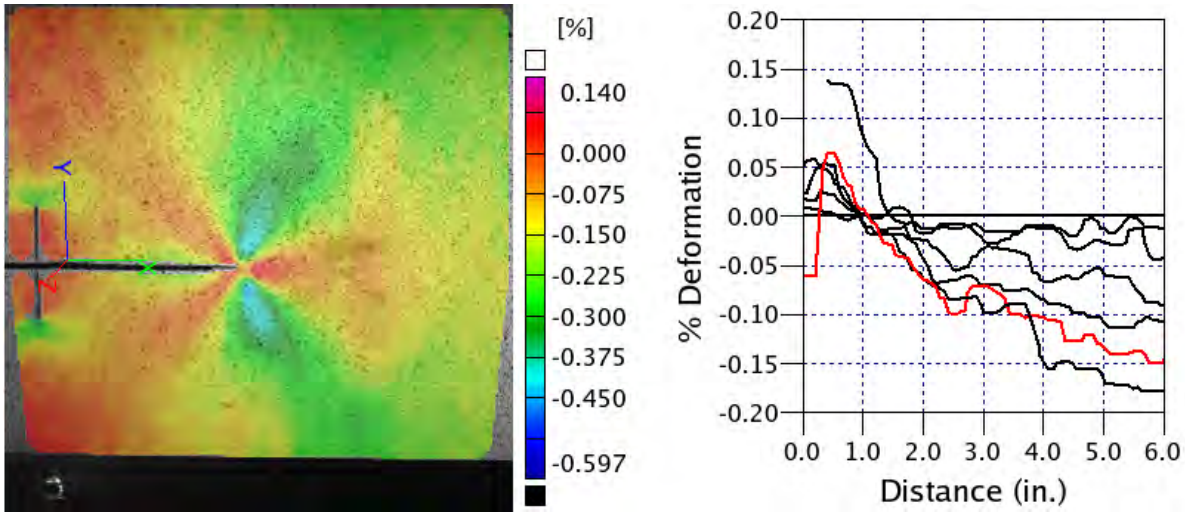


Figure C-25. CP1B RST Longitudinal Strain—9.5 psi, 700-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

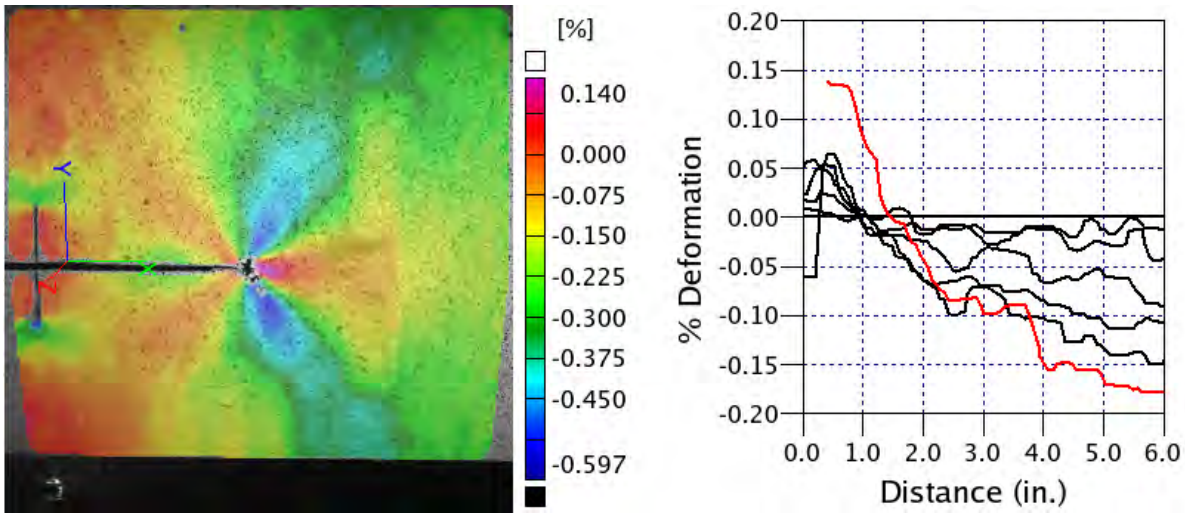


Figure C-26. CP1B RST Longitudinal Strain—11.8 psi, 875-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

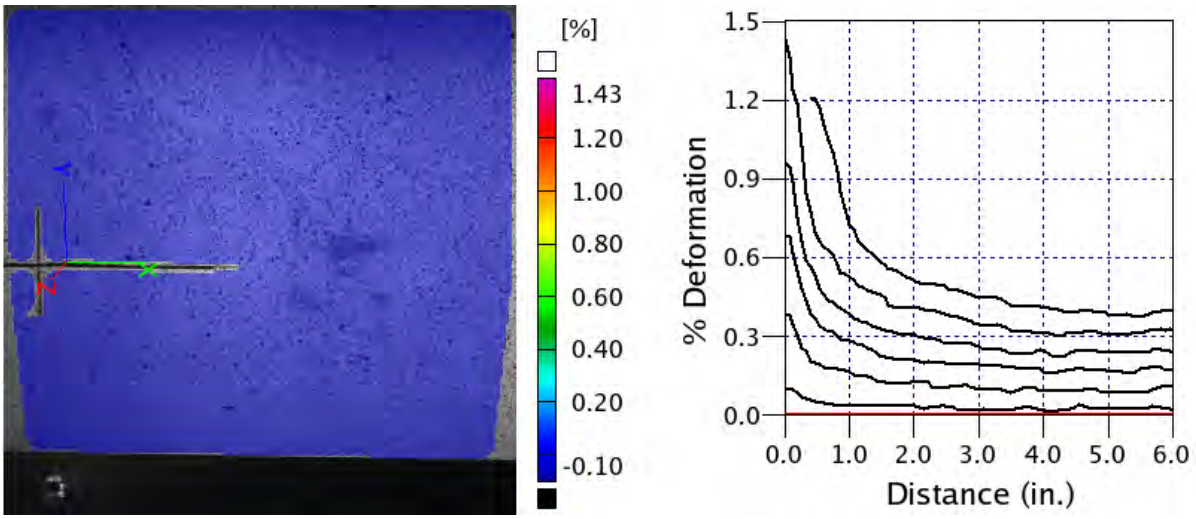


Figure C-27. CP1B RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

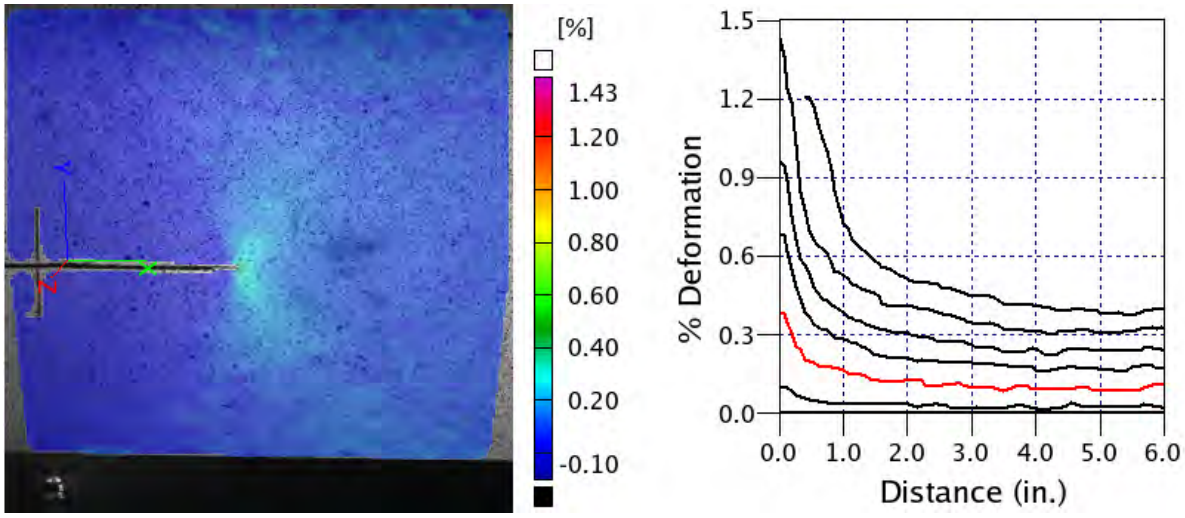


Figure C-28. CP1B RST Hoop Strain—2.4 psi, 175-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

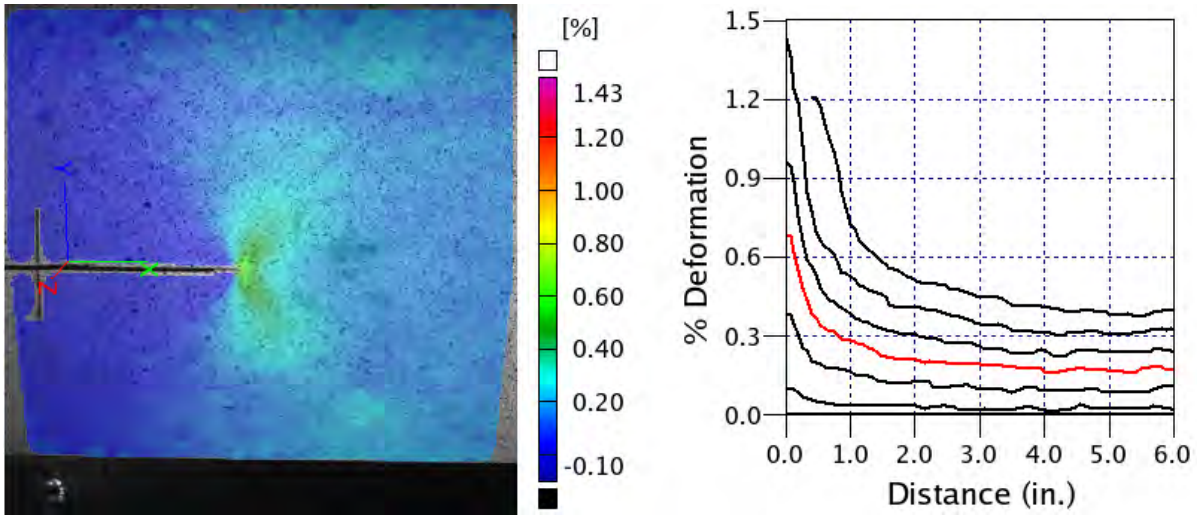


Figure C-29. CP1B RST Hoop Strain—4.7 psi, 350-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

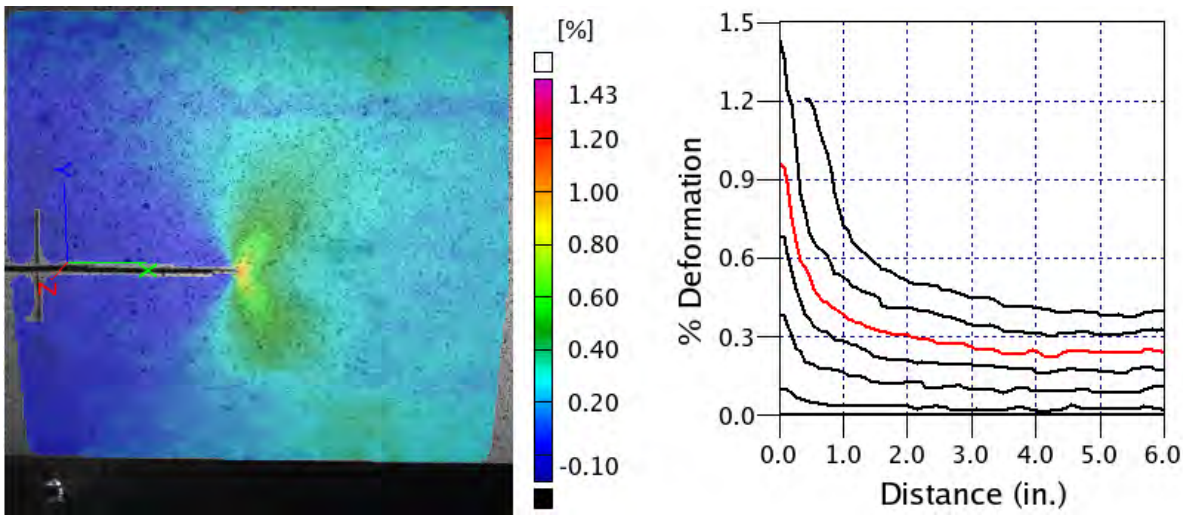


Figure C-30. CP1B RST Hoop Strain—7.1 psi, 525-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

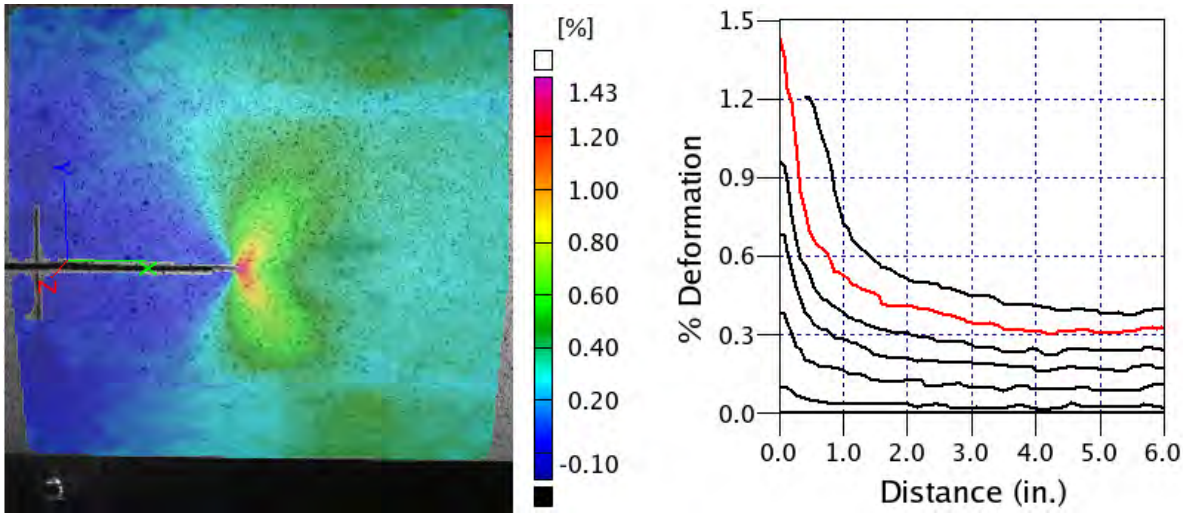


Figure C-31. CP1B RST Hoop Strain—9.5 psi, 700-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

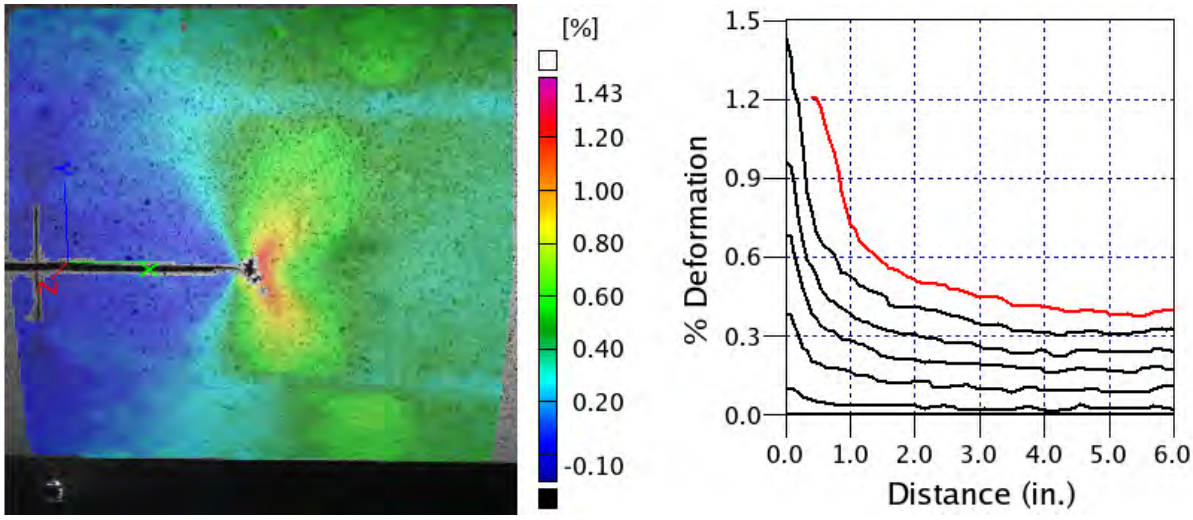


Figure C-32. CP1B RST Hoop Strain—11.8 psi, 875-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

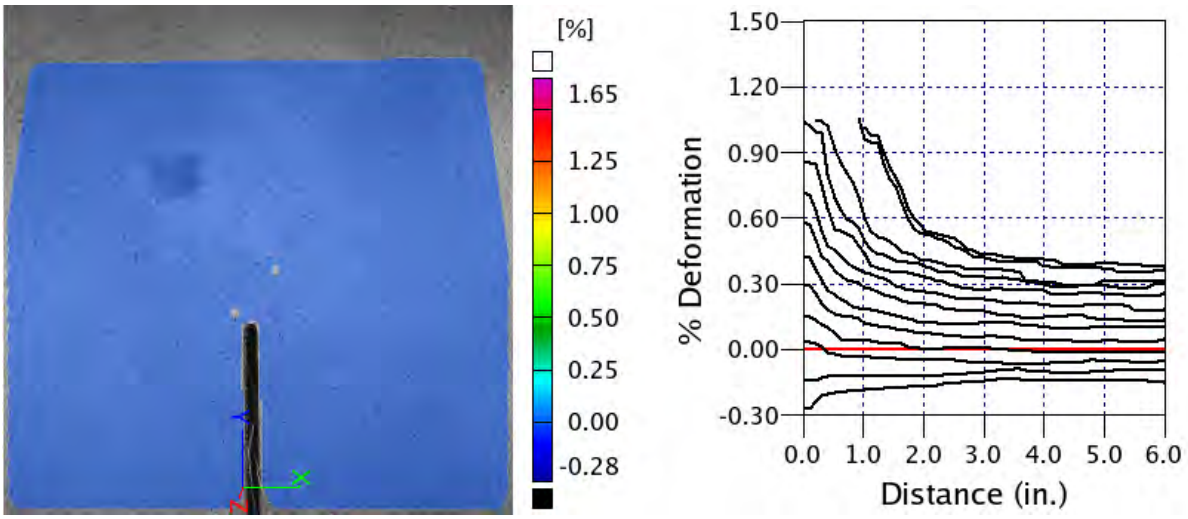


Figure C-33. CP3 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

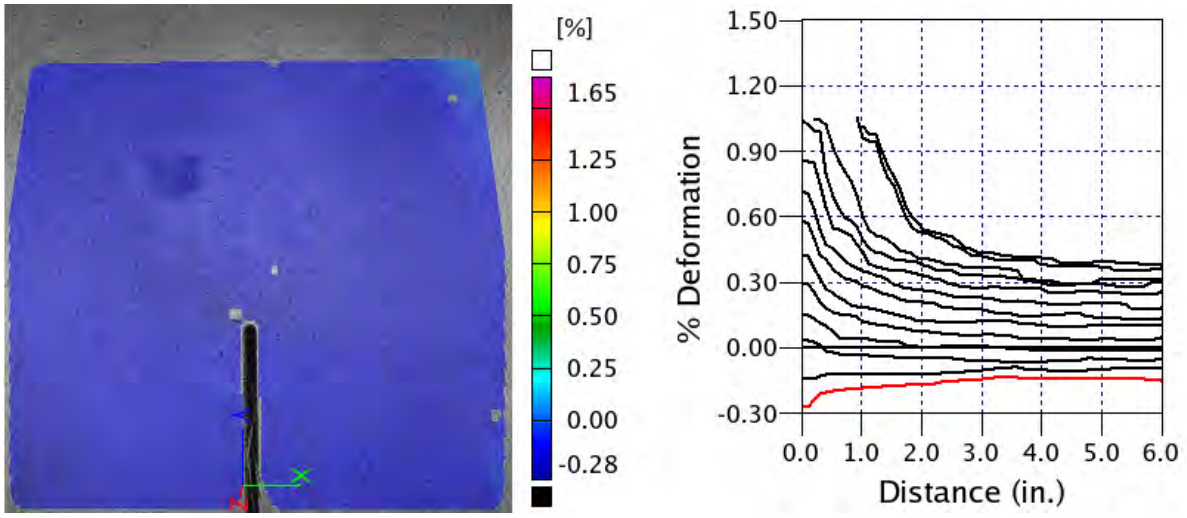


Figure C-34. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

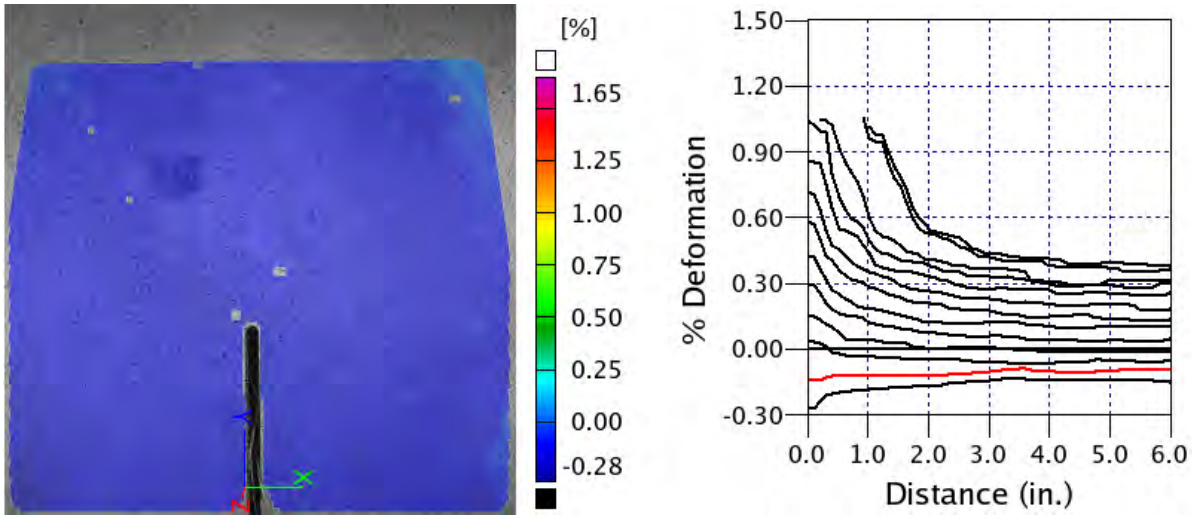


Figure C-35. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 140-lb/in. Longitudinal Load

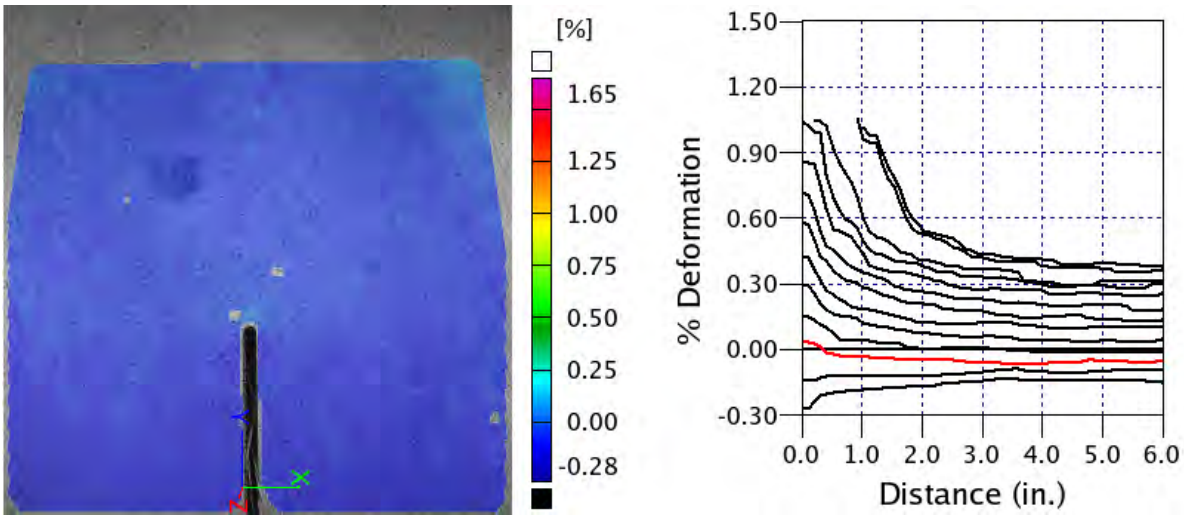


Figure C-36. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 280-lb/in. Longitudinal Load

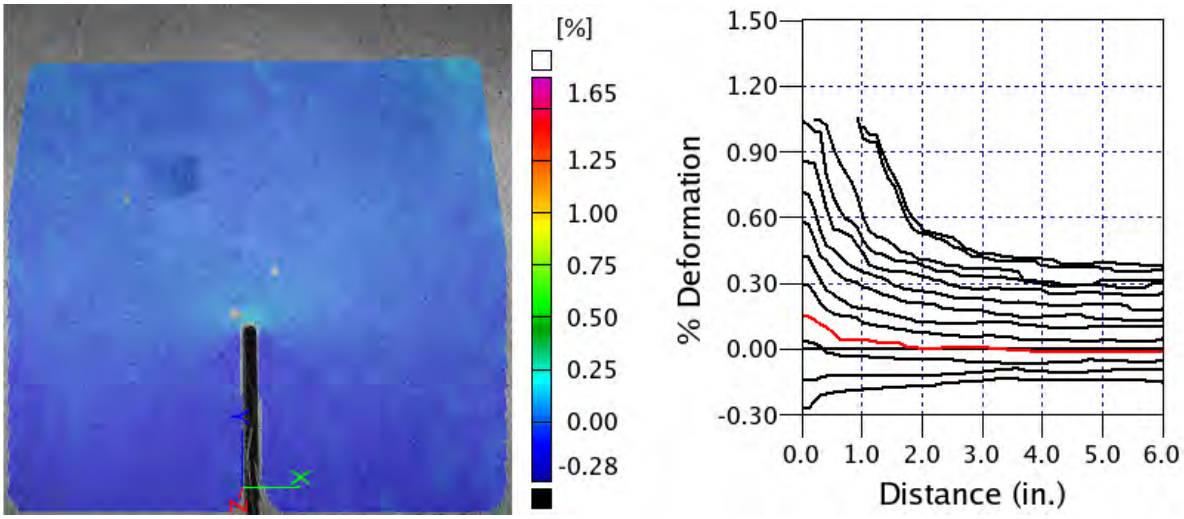


Figure C-37. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 420-lb/in. Longitudinal Load

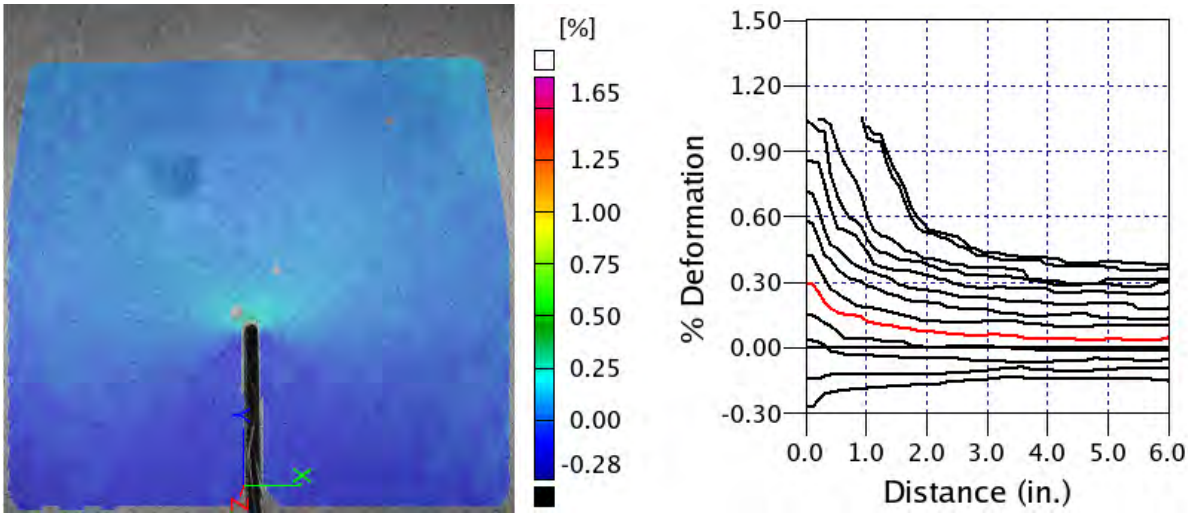


Figure C-38. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 560-lb/in. Longitudinal Load

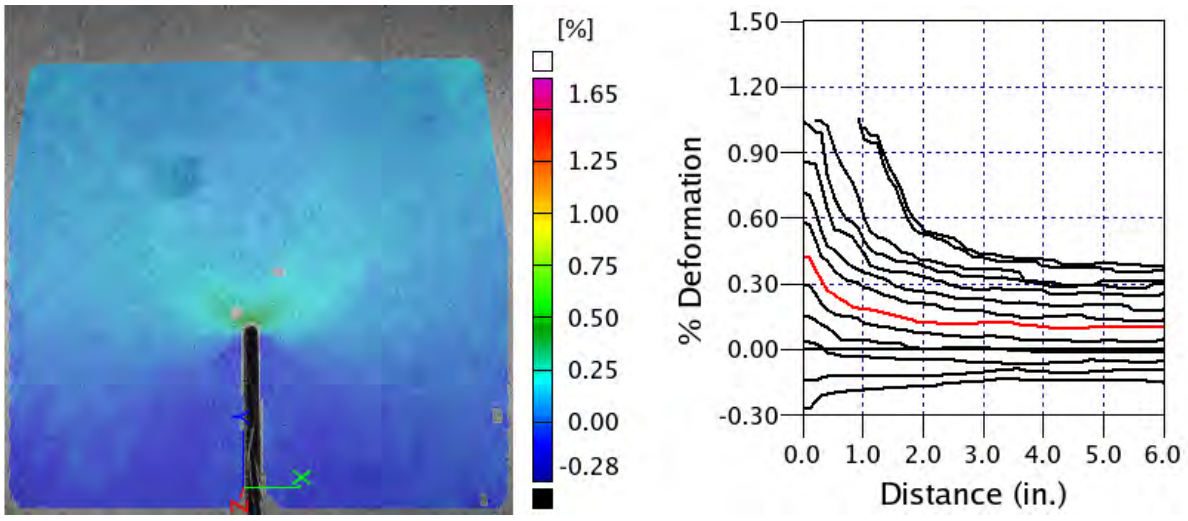


Figure C-39. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 700-lb/in. Longitudinal Load

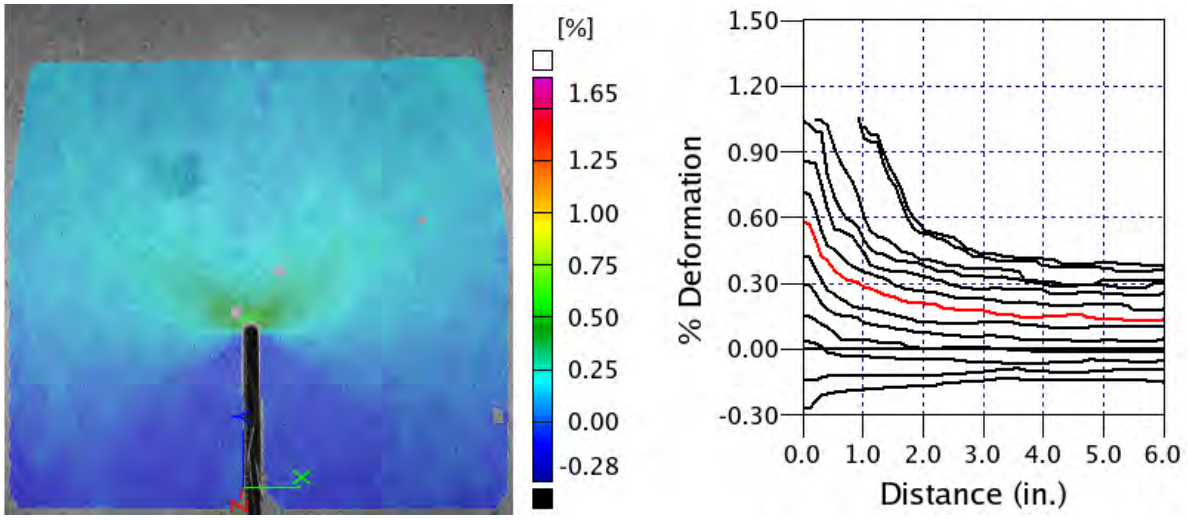


Figure C-40. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 840-lb/in. Longitudinal Load

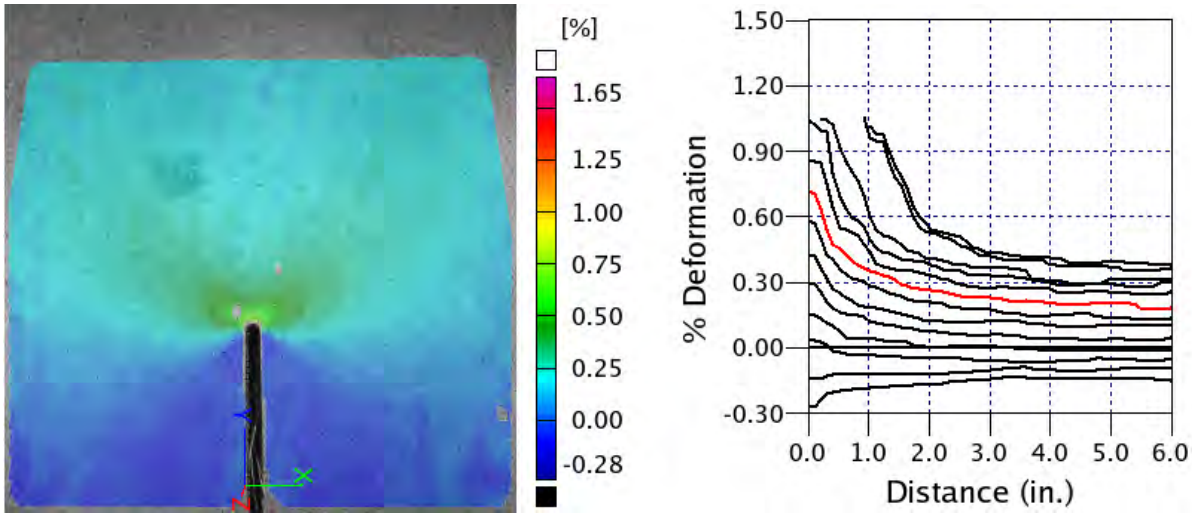


Figure C-41. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 980-lb/in. Longitudinal Load

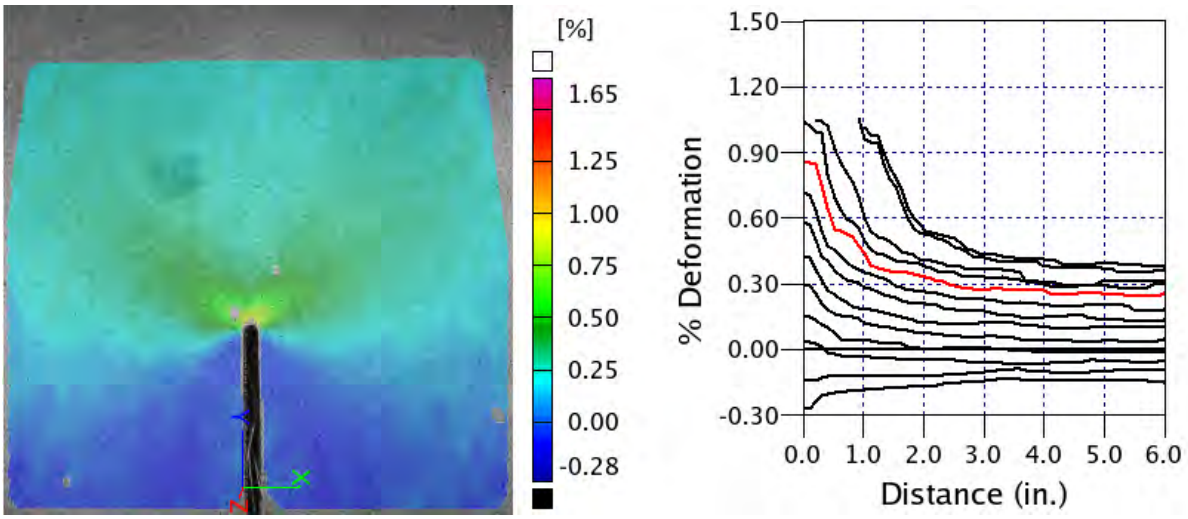


Figure C-42. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 1120-lb/in. Longitudinal Load

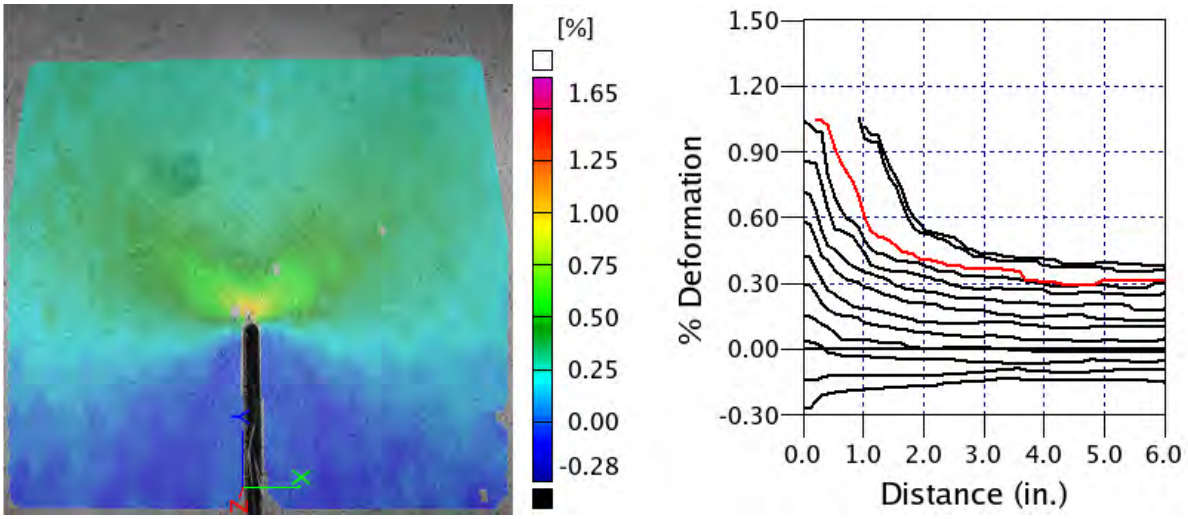


Figure C-43. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 1260-lb/in. Longitudinal Load

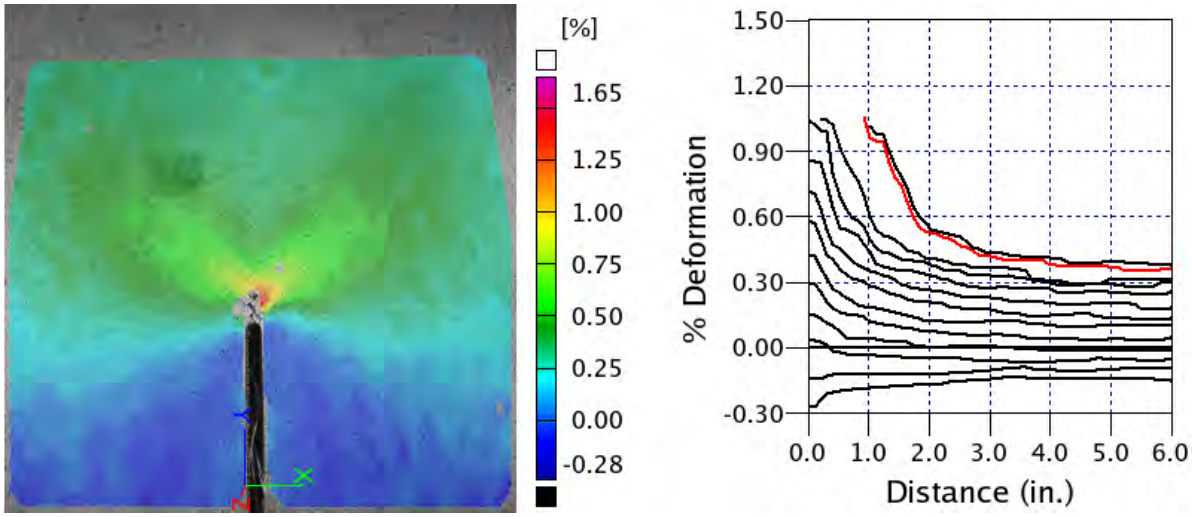


Figure C-44. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 1400-lb/in. Longitudinal Load

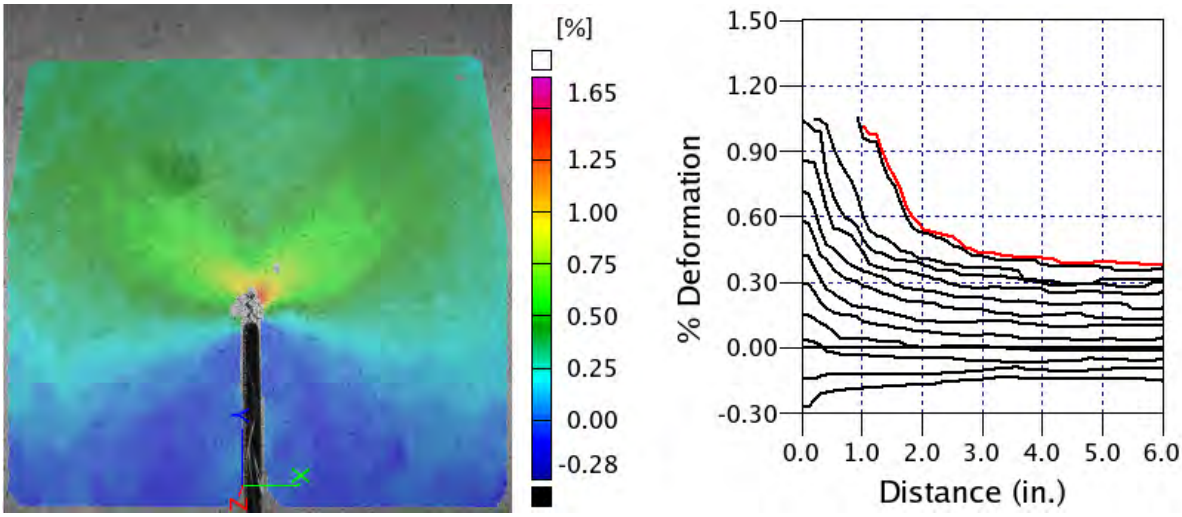


Figure C-45. CP3 RST Longitudinal Strain—8.0 psi, 592-lb/in. Hoop Load, 1540-lb/in. Longitudinal Load

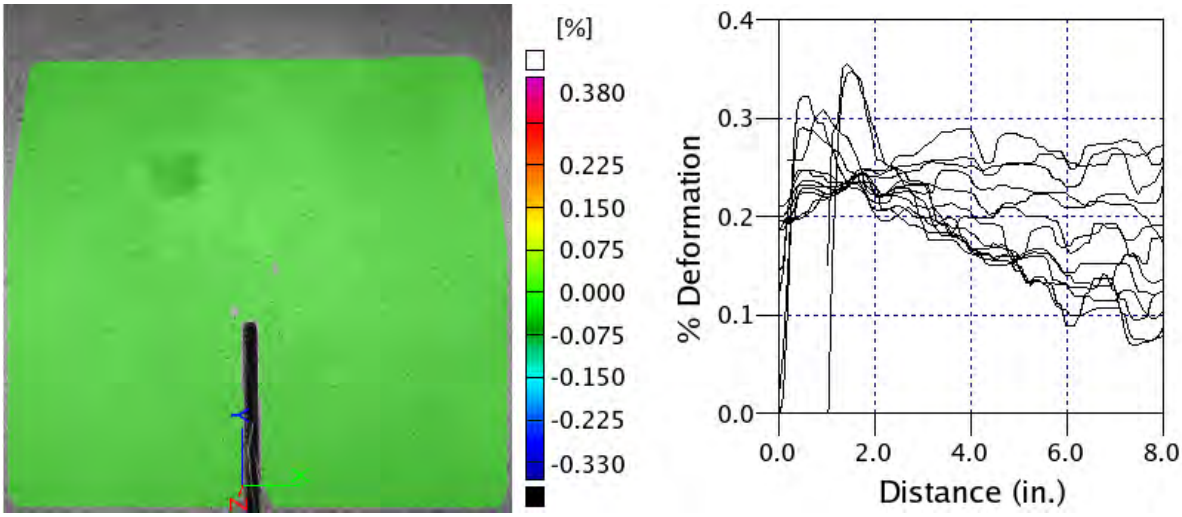


Figure C-46. CP3 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

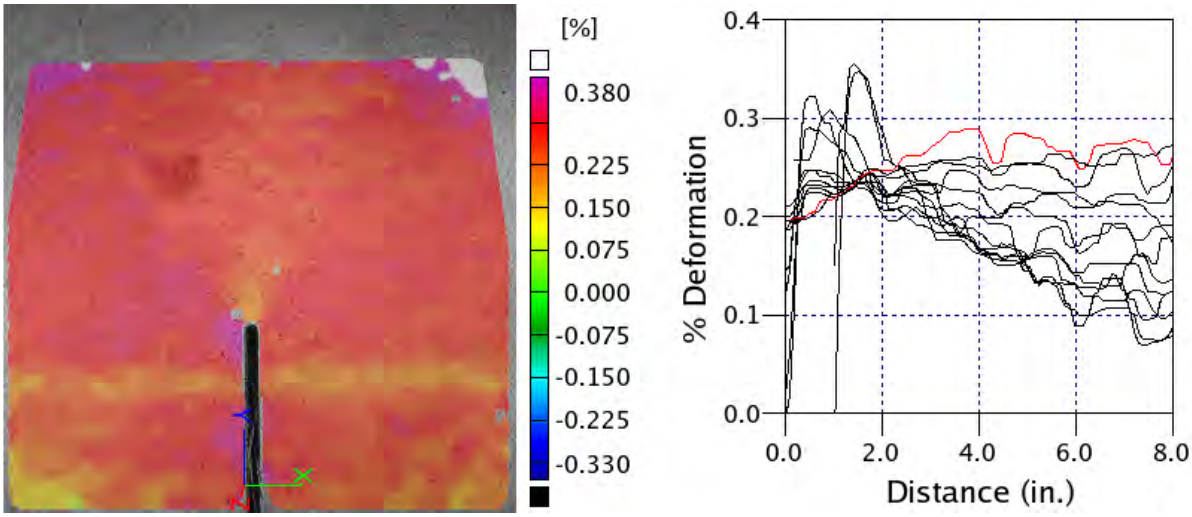


Figure C-47. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

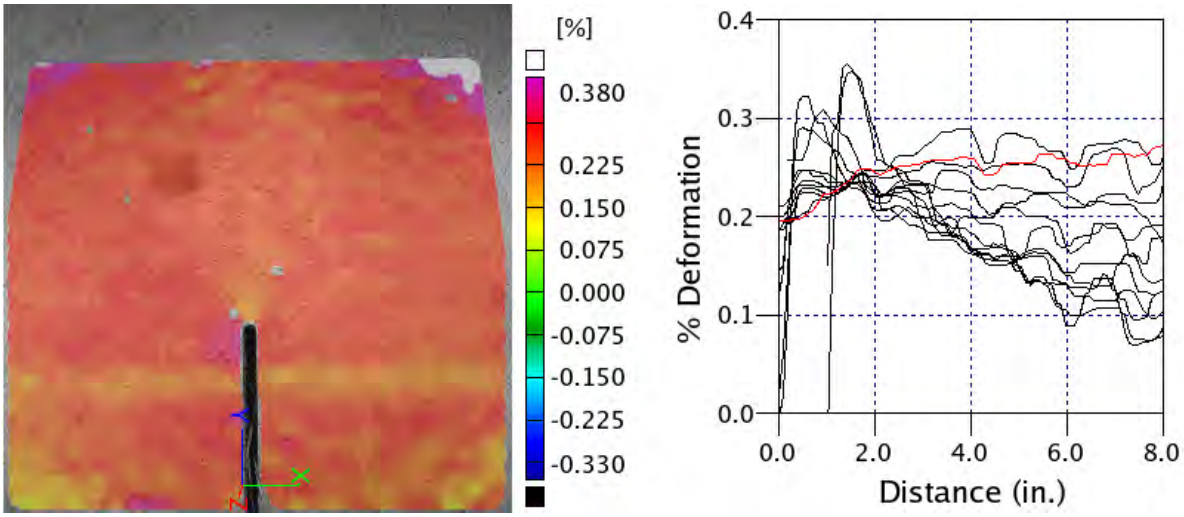


Figure C-48. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 140-lb/in. Longitudinal Load

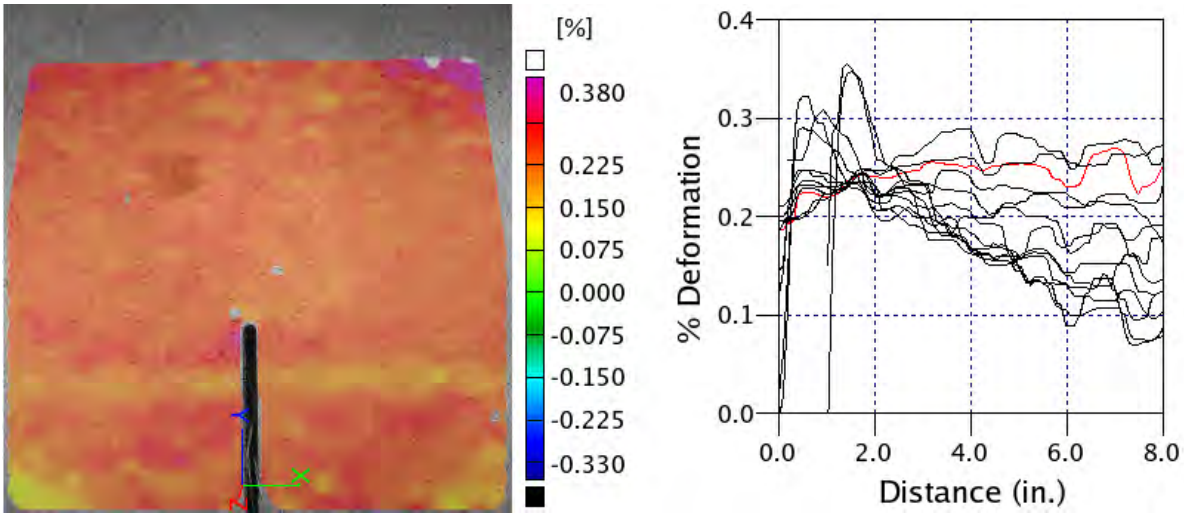


Figure C-49. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 280-lb/in. Longitudinal Load

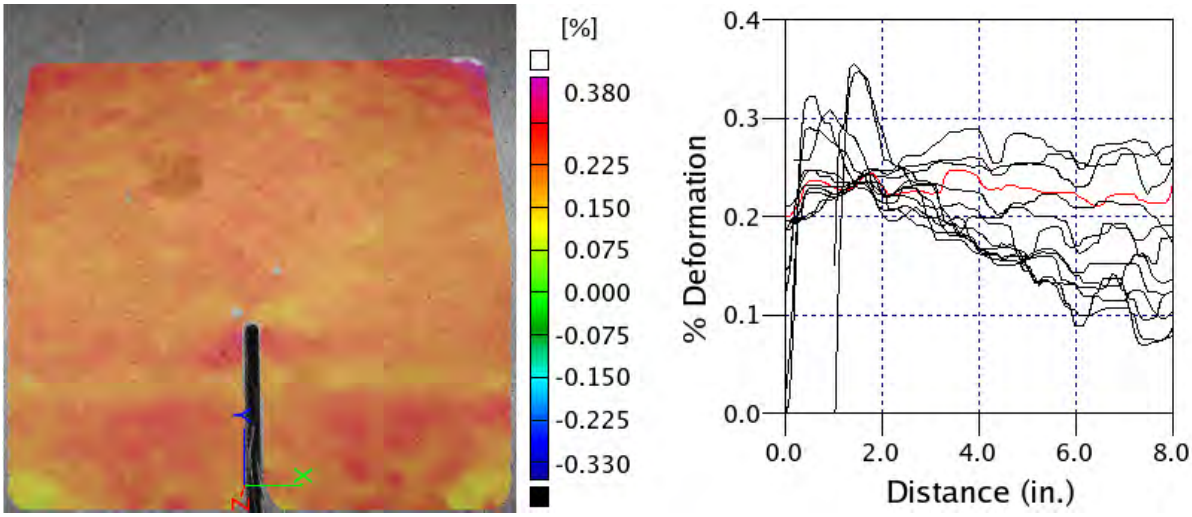


Figure C-50. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 420-lb/in. Longitudinal Load

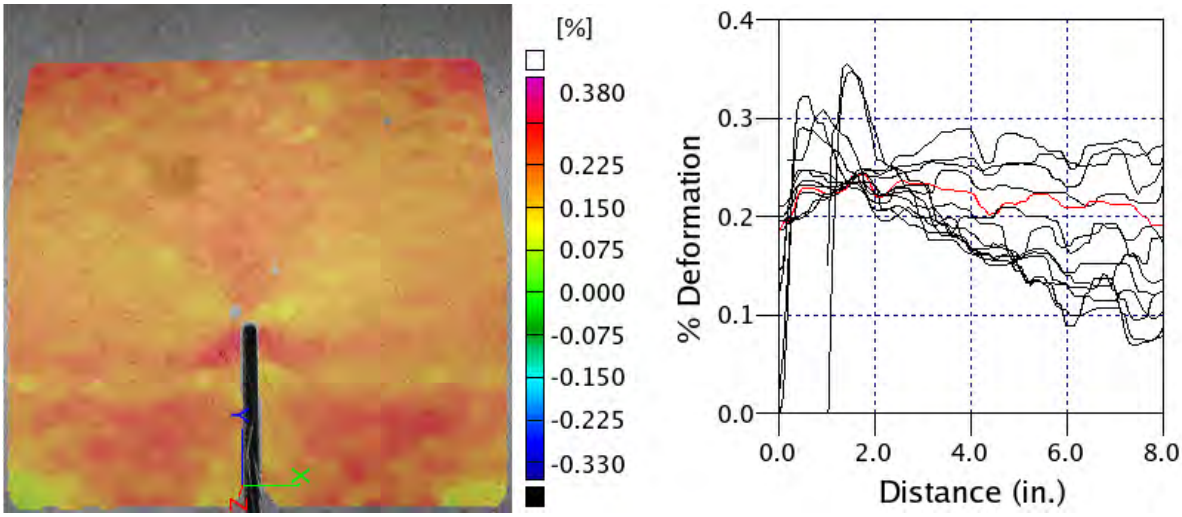


Figure C-51. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 560-lb/in. Longitudinal Load

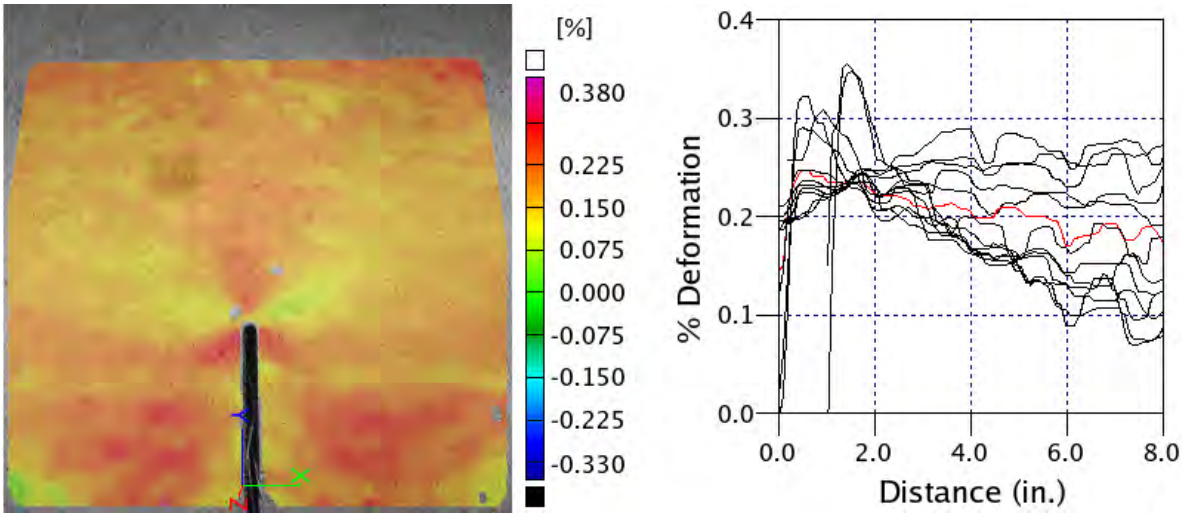


Figure C-52. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 700-lb/in. Longitudinal Load

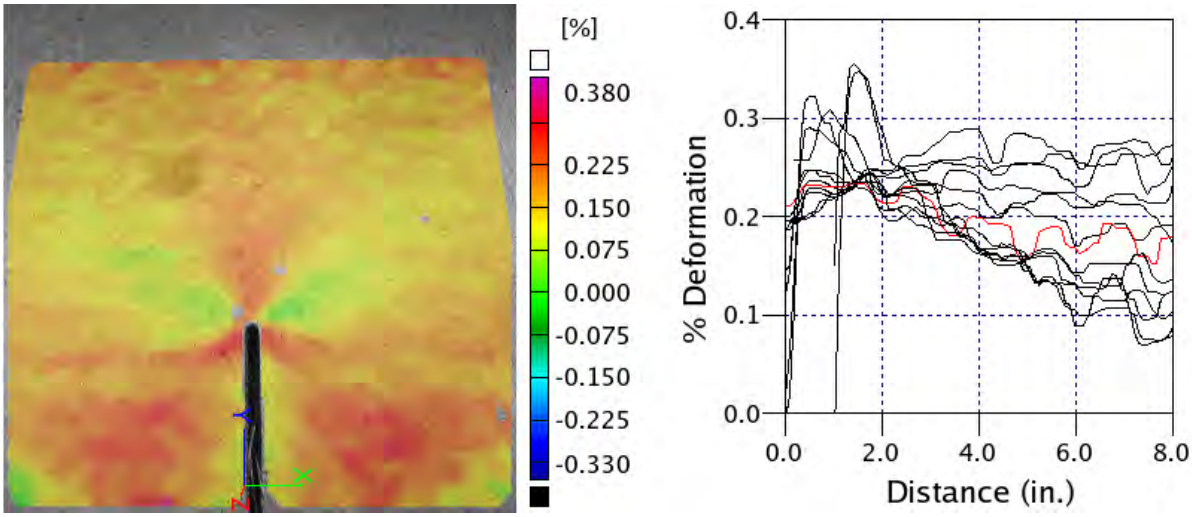


Figure C-53. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 840-lb/in. Longitudinal Load

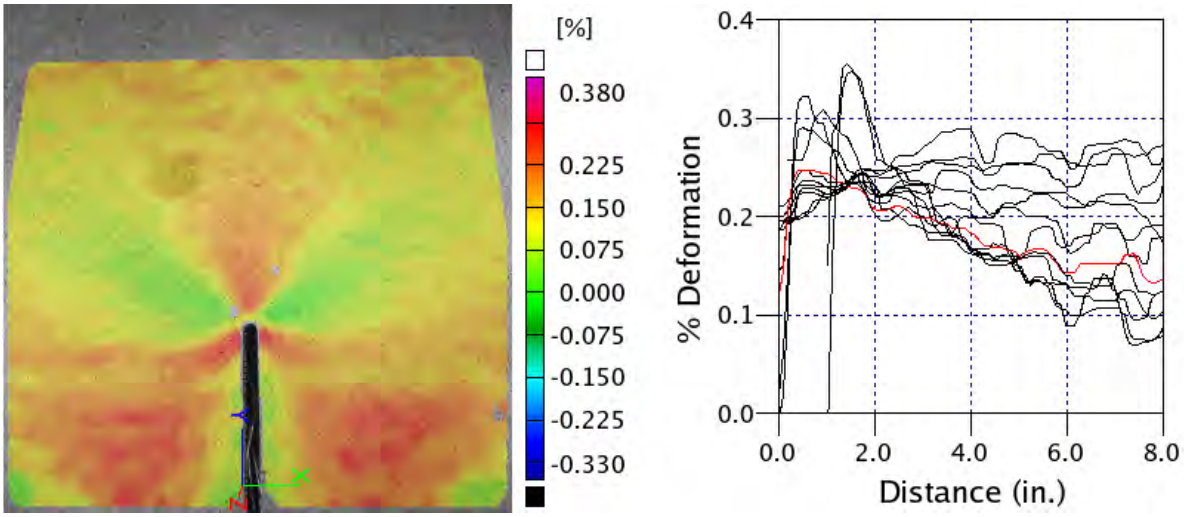


Figure C-54. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 980-lb/in. Longitudinal Load

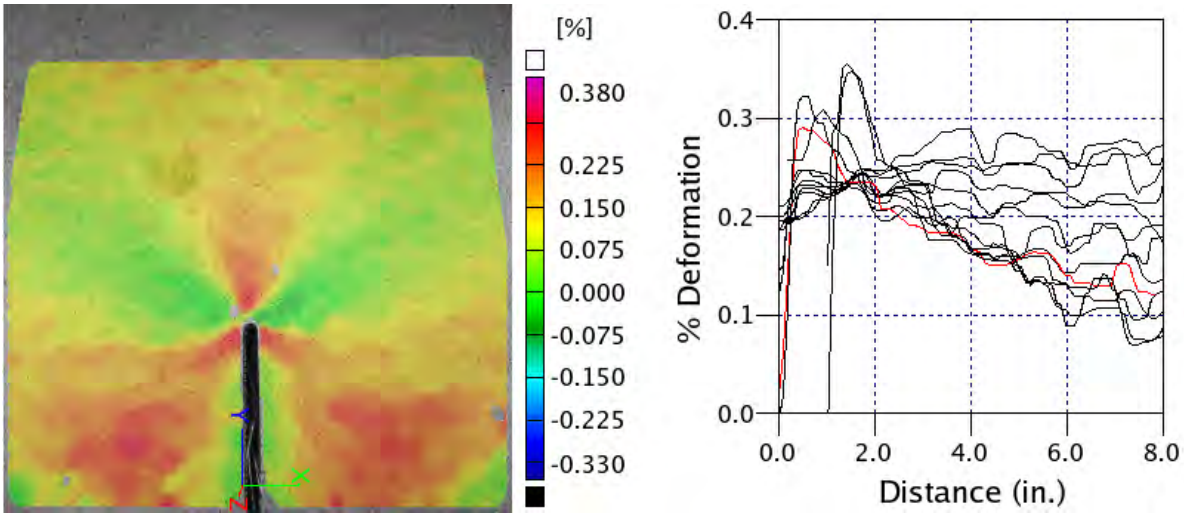


Figure C-55. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 1120-lb/in. Longitudinal Load

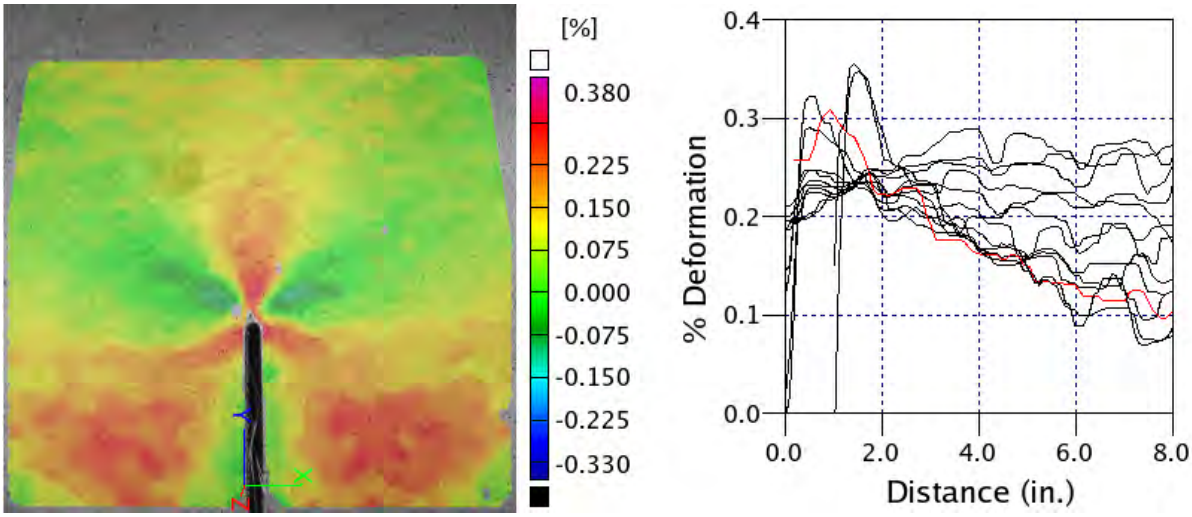


Figure C-56. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 1260-lb/in. Longitudinal Load

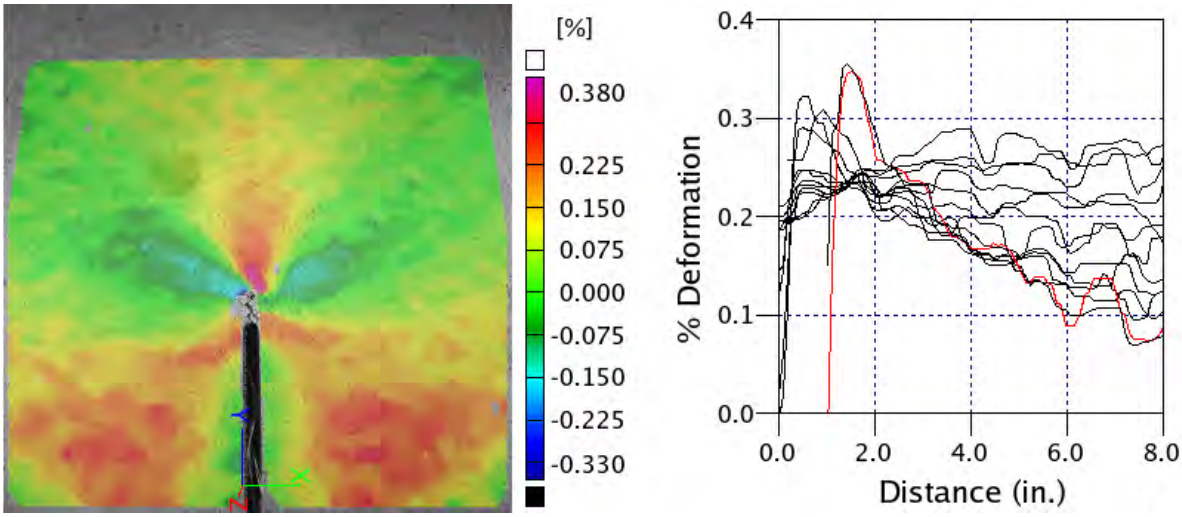


Figure C-57. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 1400-lb/in. Longitudinal Load

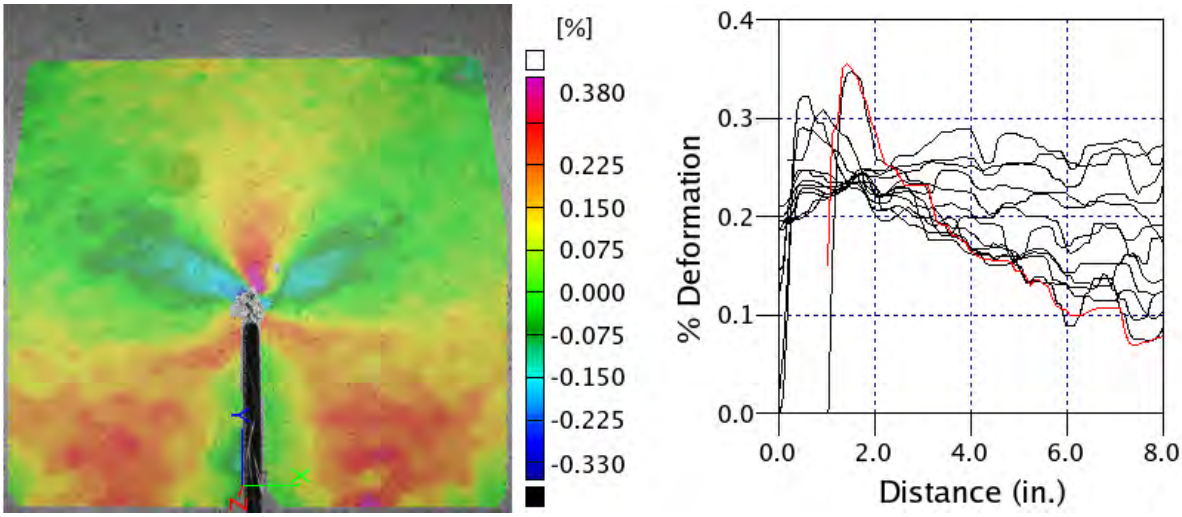


Figure C-58. CP3 RST Hoop Strain—8.0 psi, 592-lb/in. Hoop Load, 1540-lb/in. Longitudinal Load

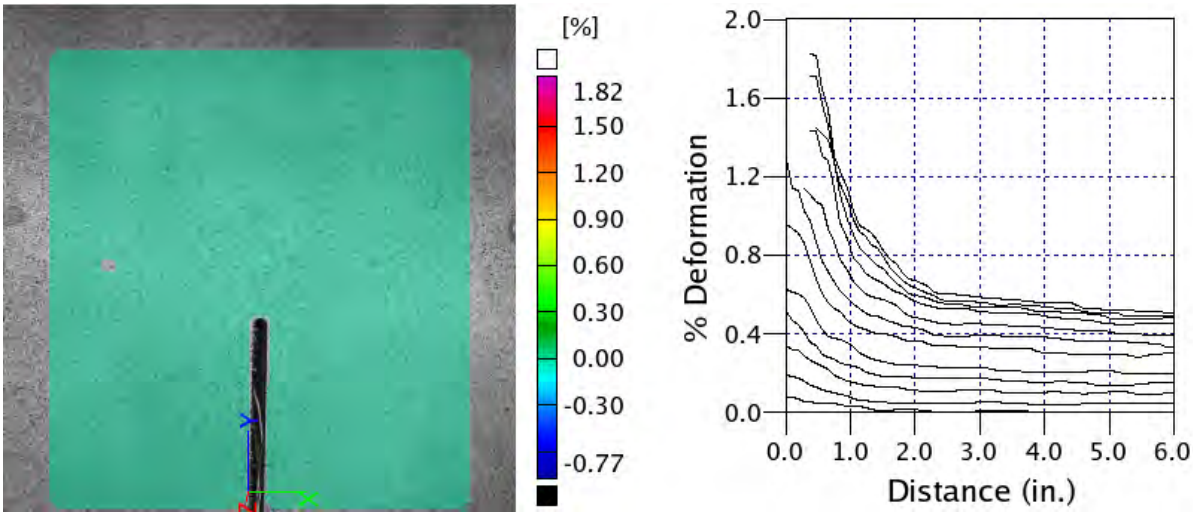


Figure C-59. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

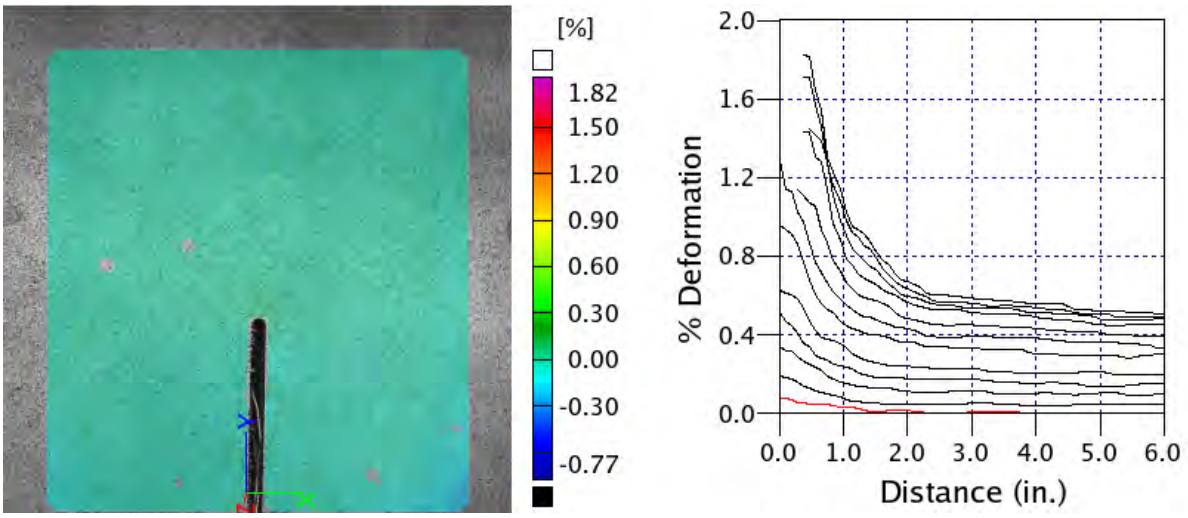


Figure C-60. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

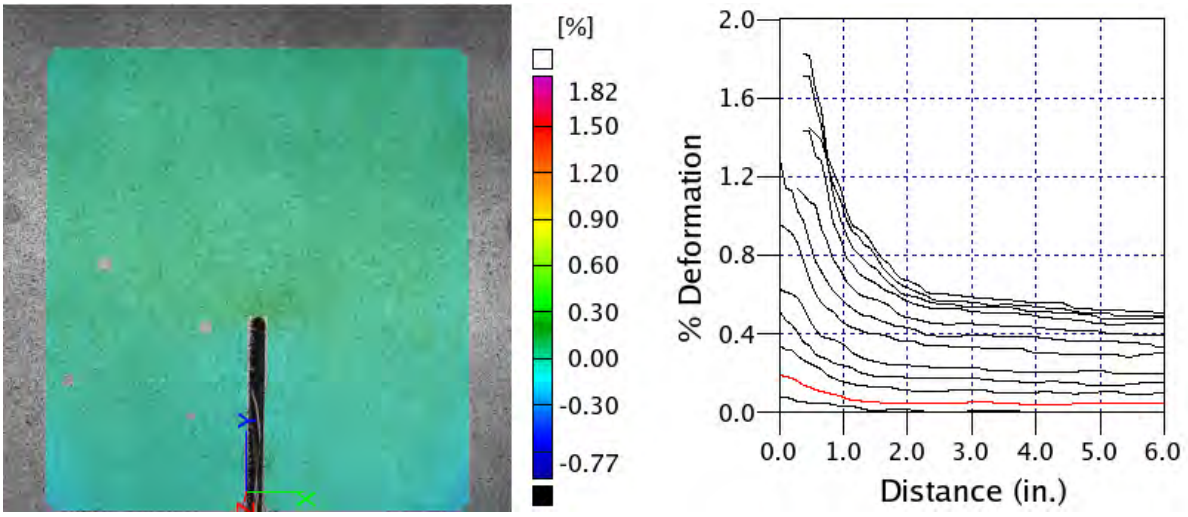


Figure C-61. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

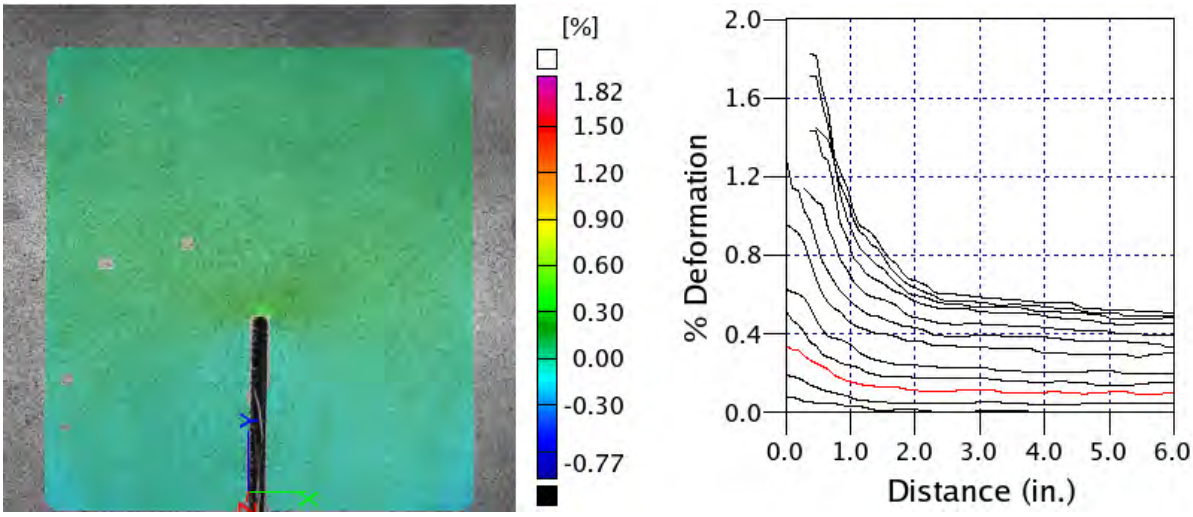


Figure C-62. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

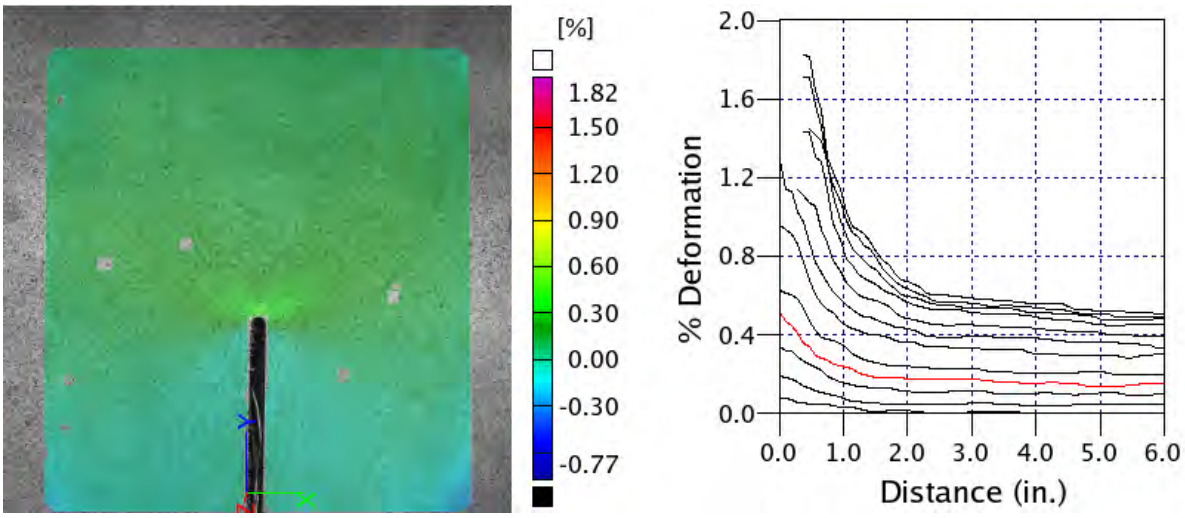


Figure C-63. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

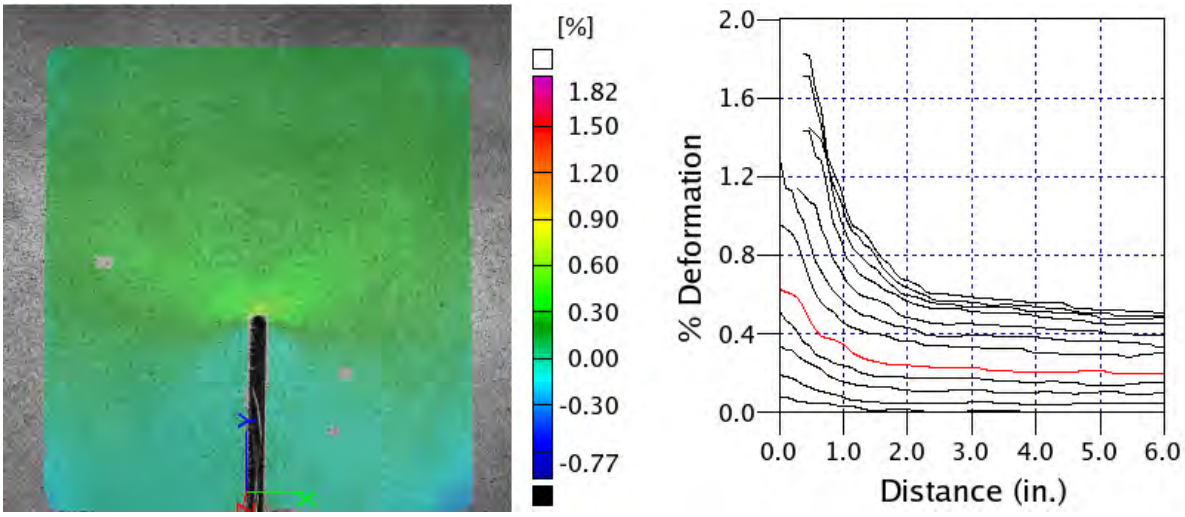


Figure C-64. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

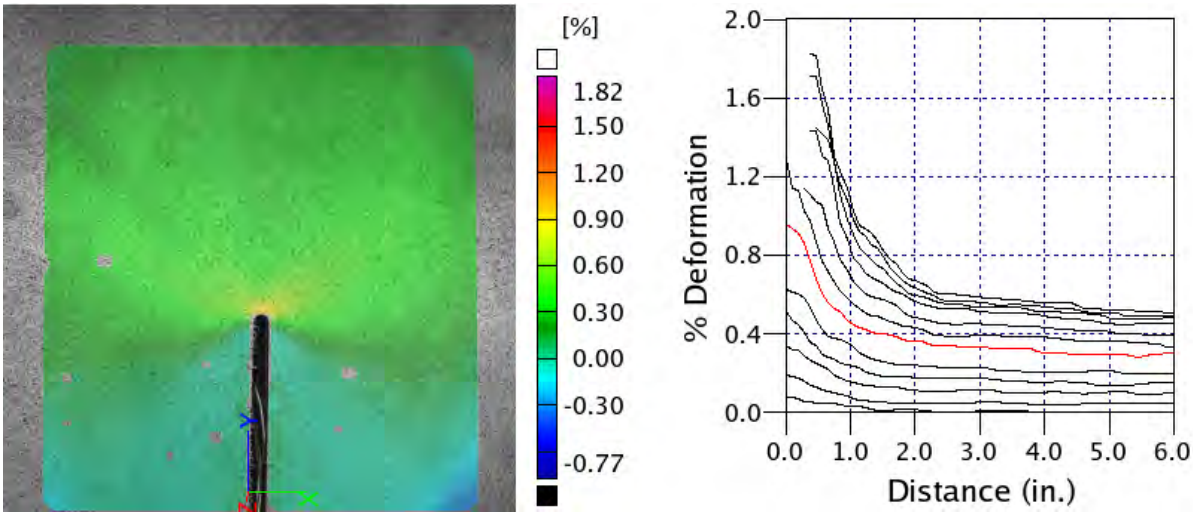


Figure C-65. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

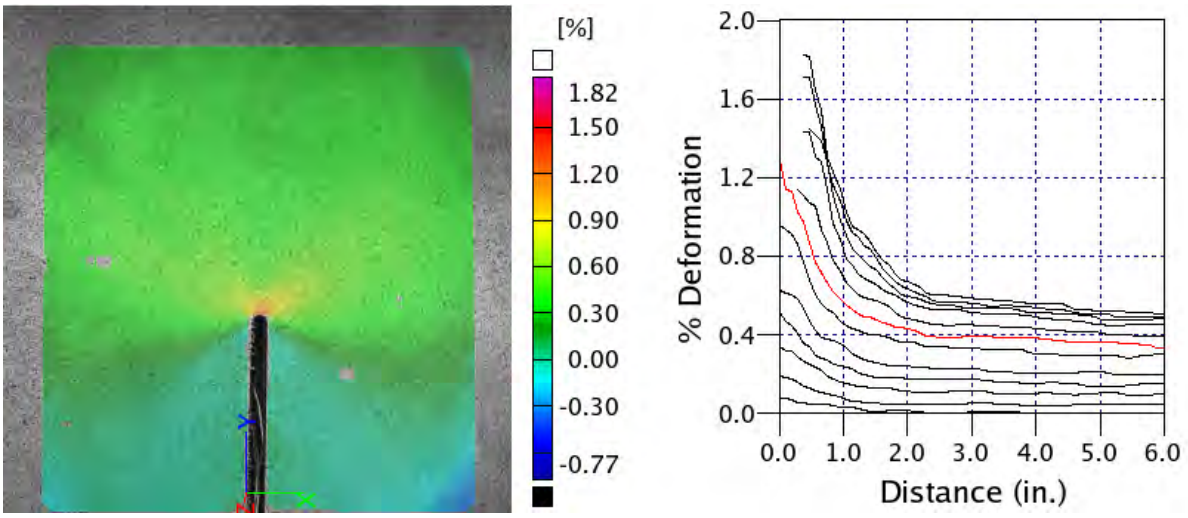


Figure C-66. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

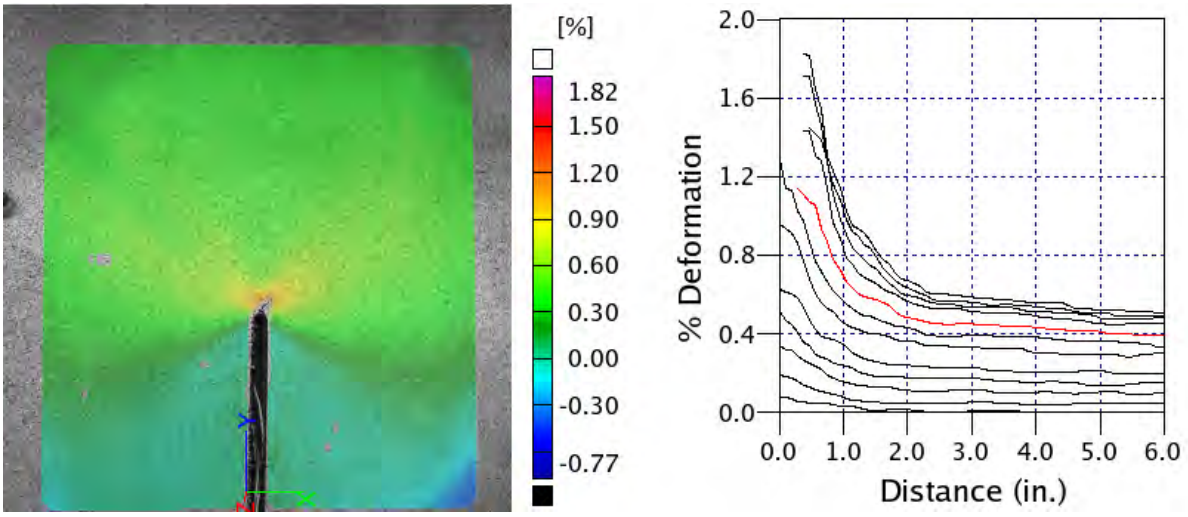


Figure C-67. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

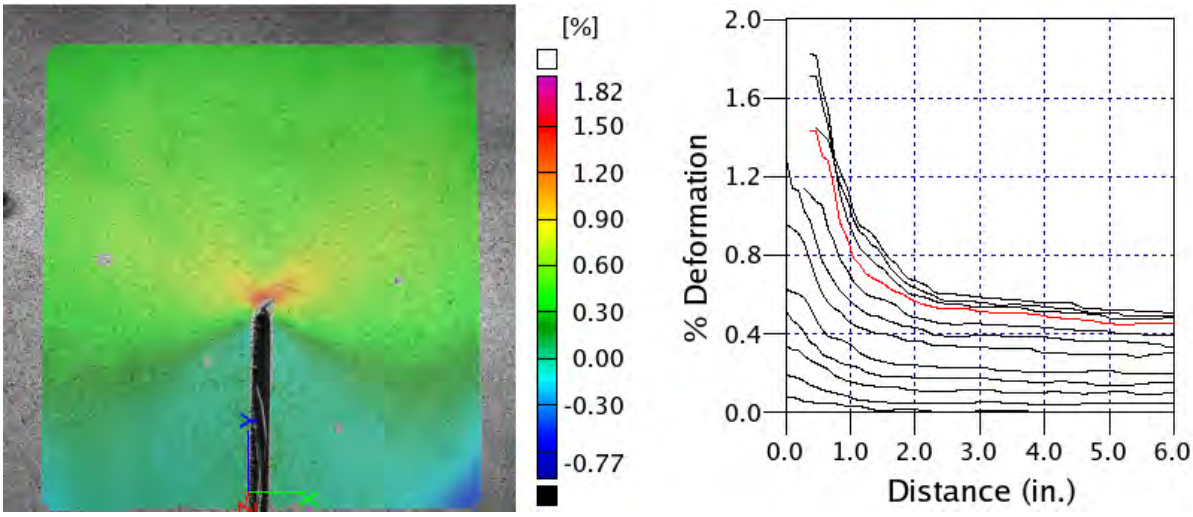


Figure C-68. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

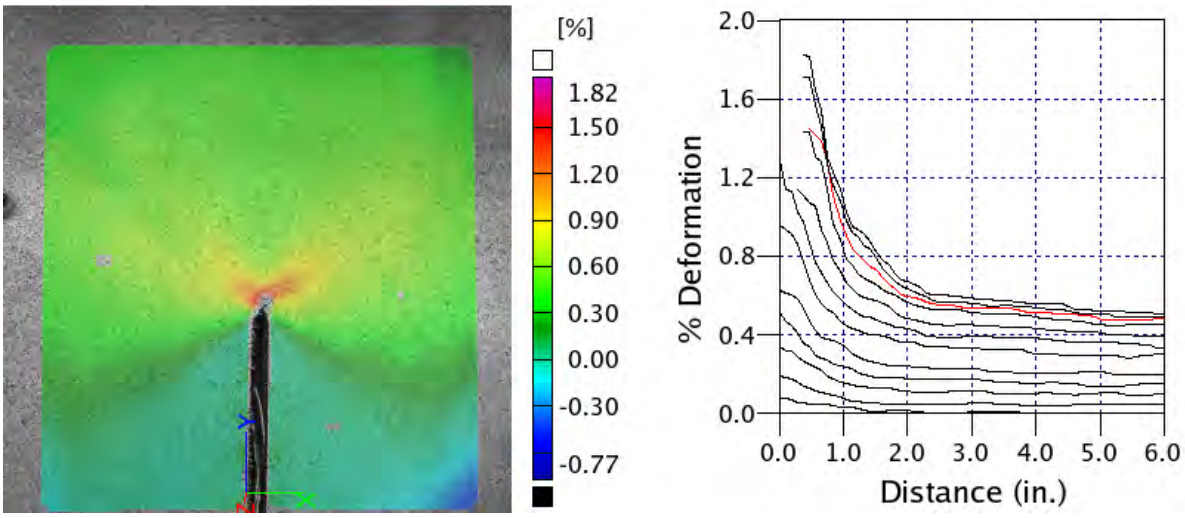


Figure C-69. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

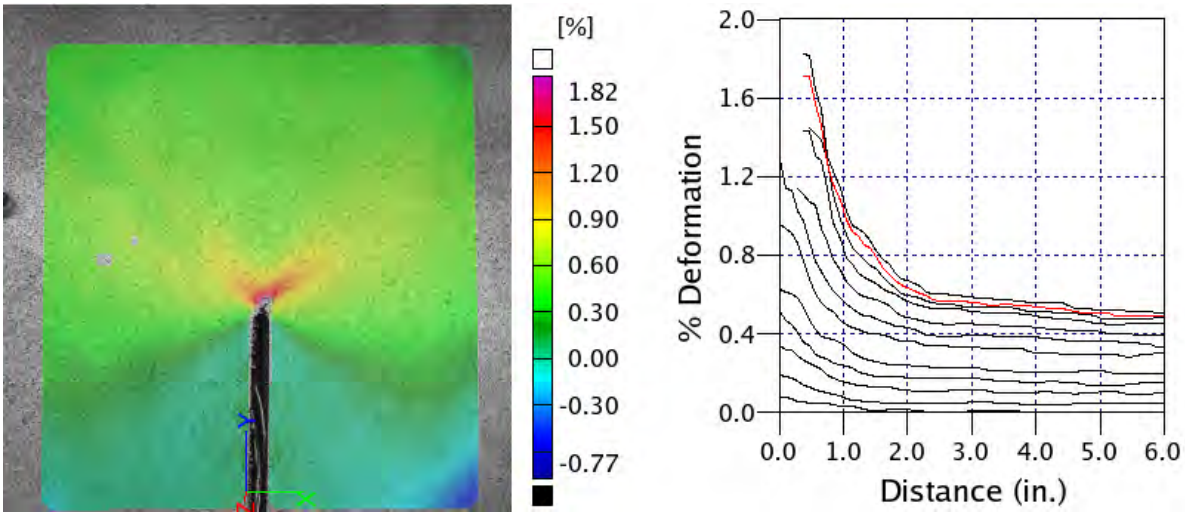


Figure C-70. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

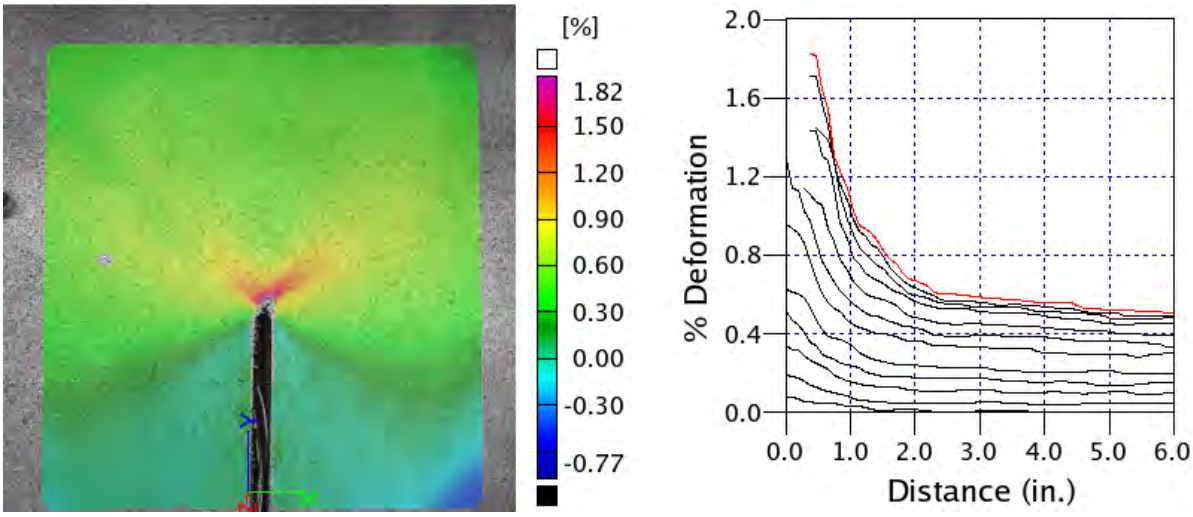


Figure C-71. CP4 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

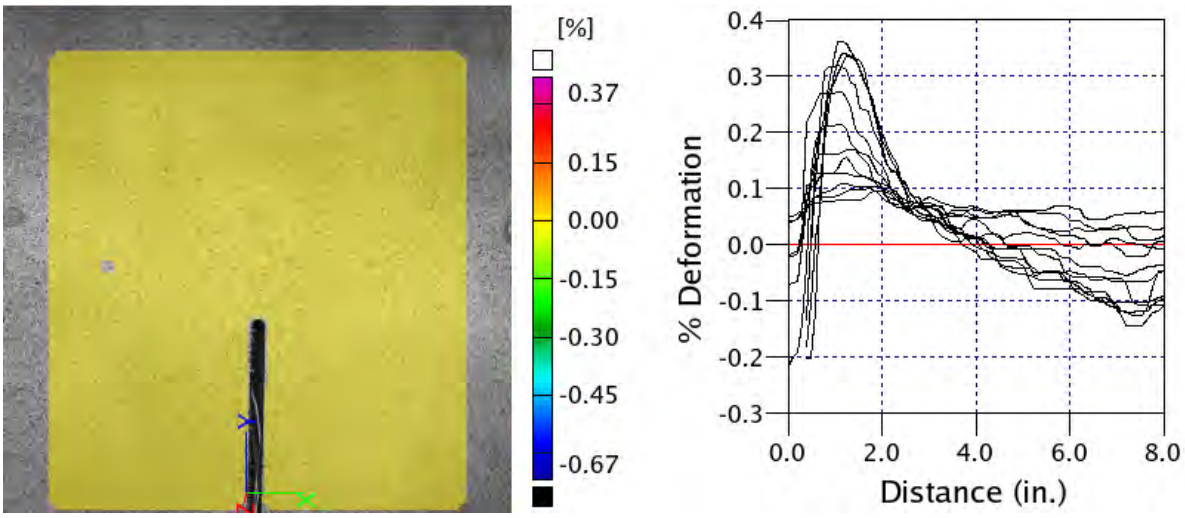


Figure C-72. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

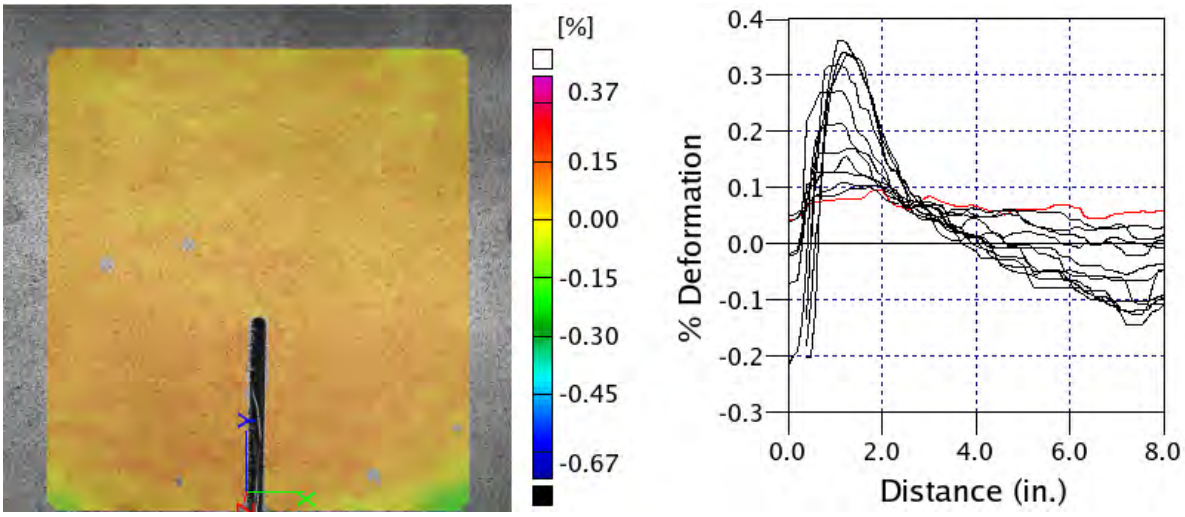


Figure C-73. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

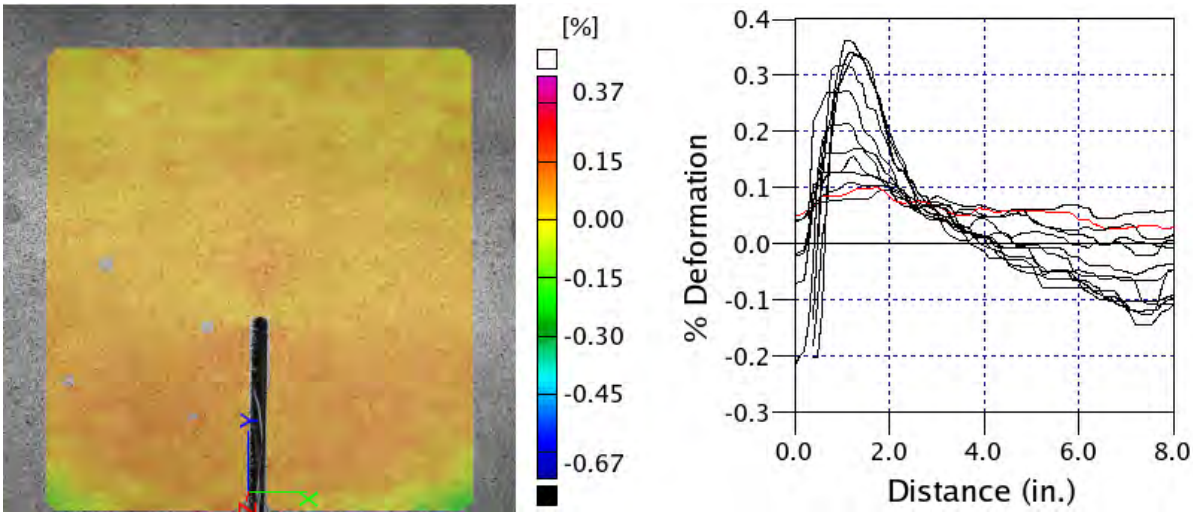


Figure C-74. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

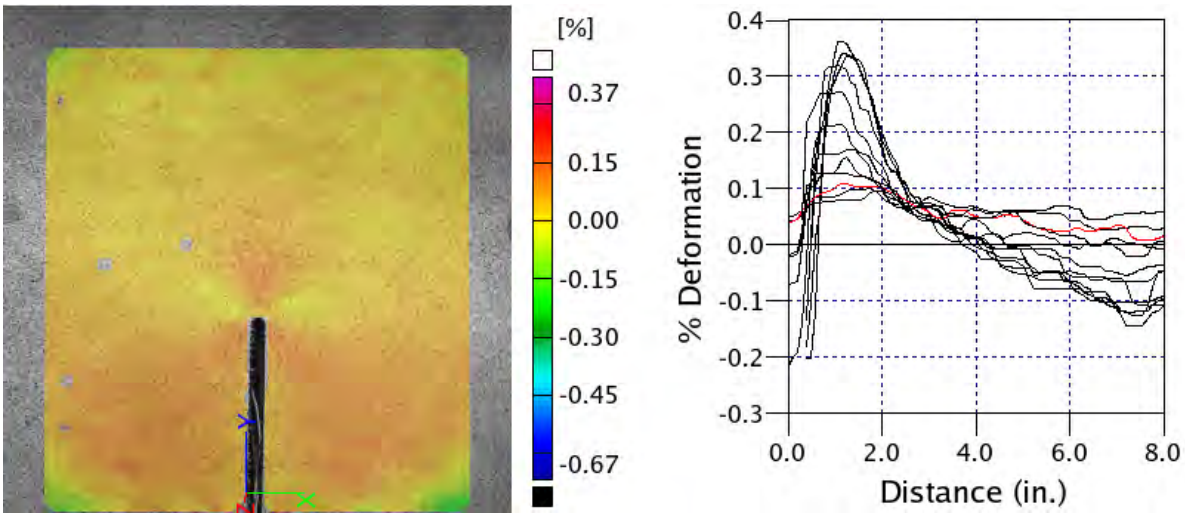


Figure C-75. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

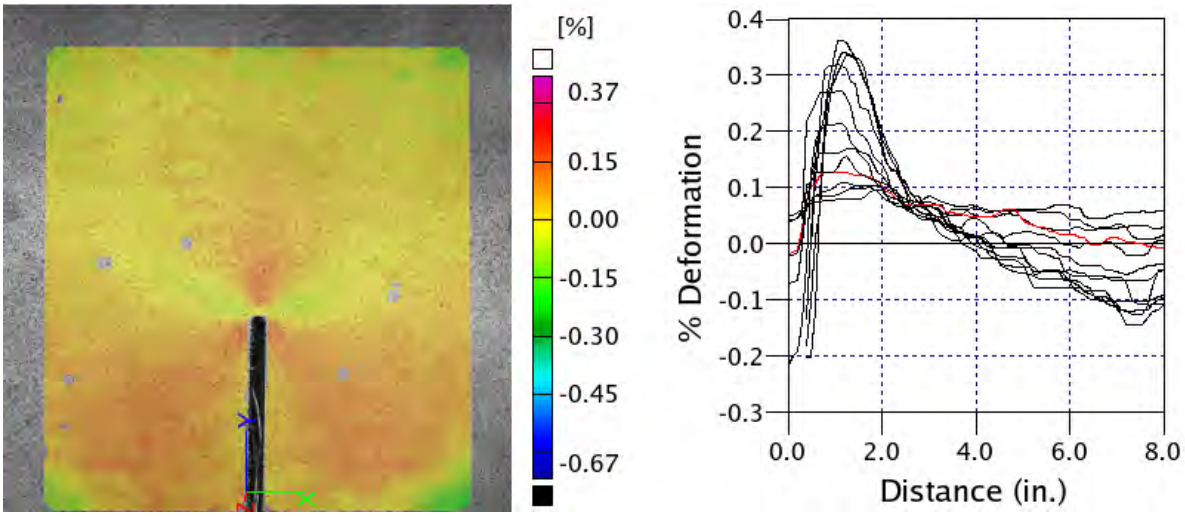


Figure C-76. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

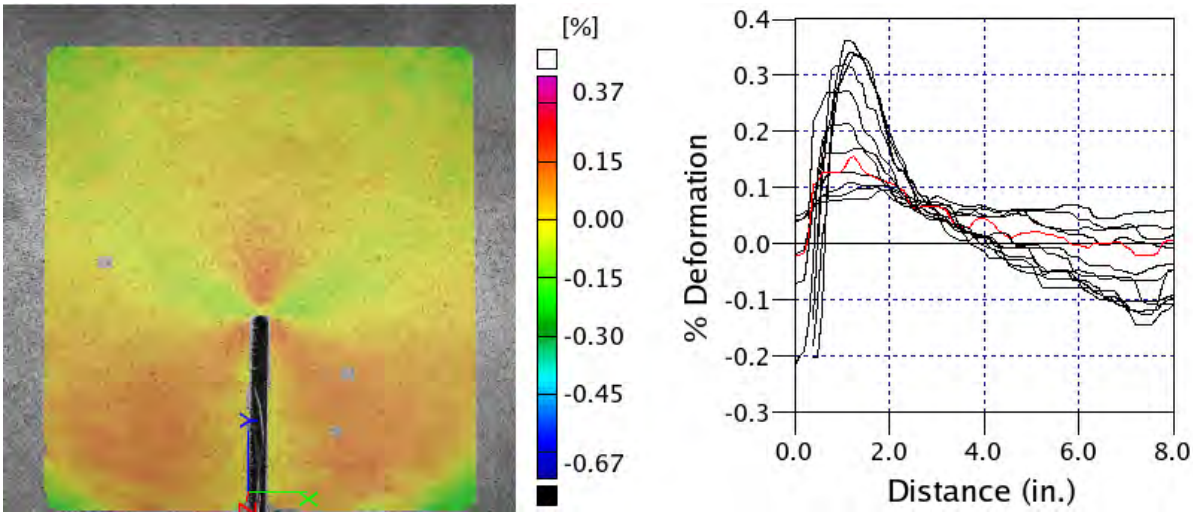


Figure C-77. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

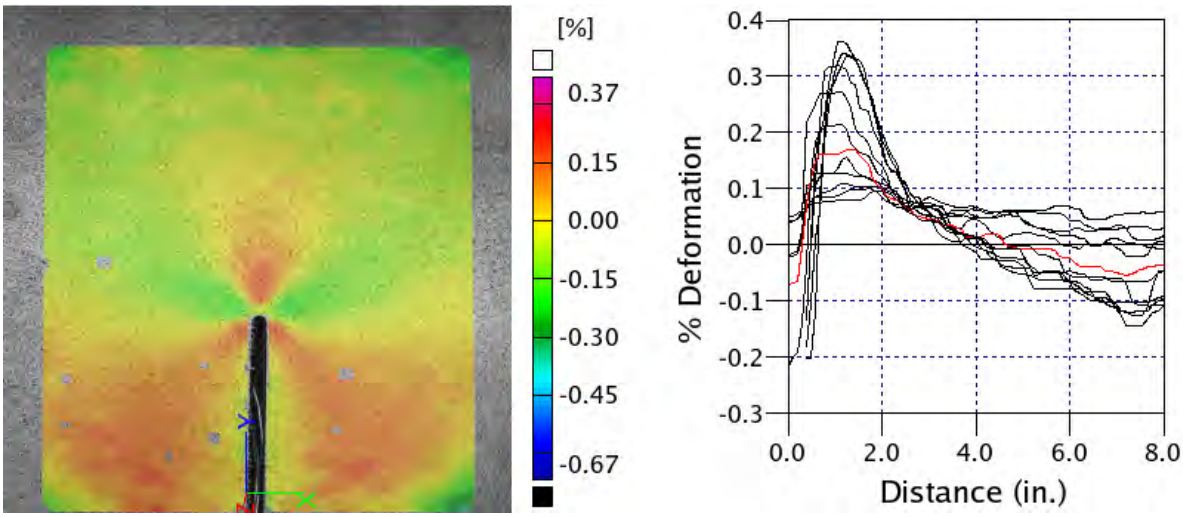


Figure C-78. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

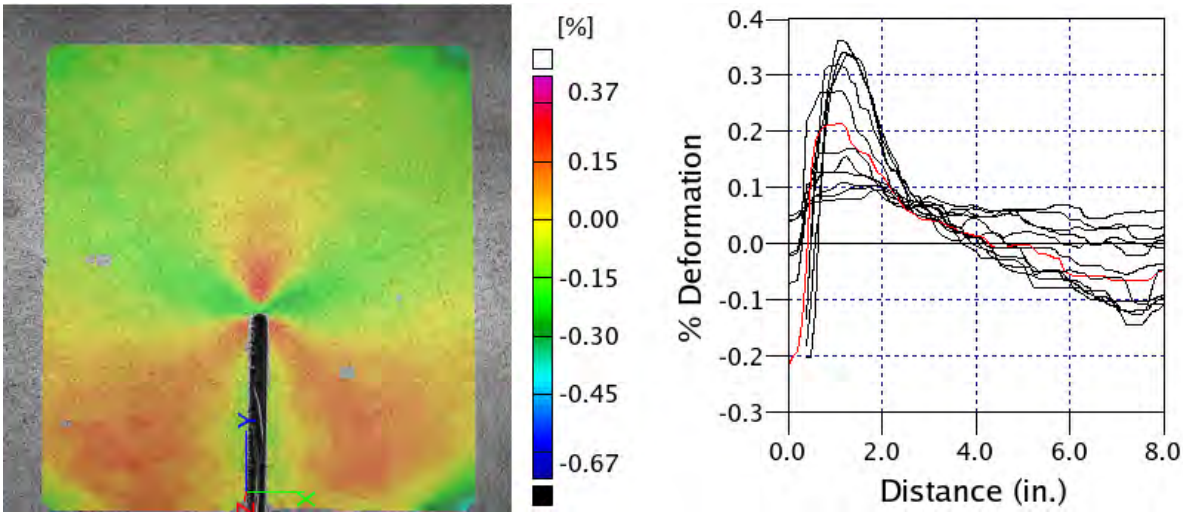


Figure C-79. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

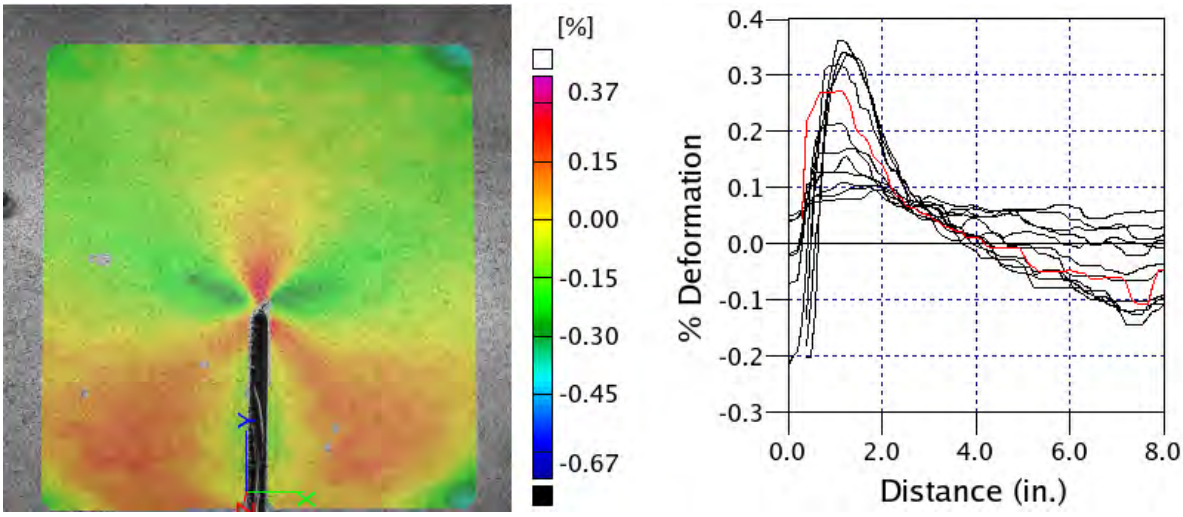


Figure C-80. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

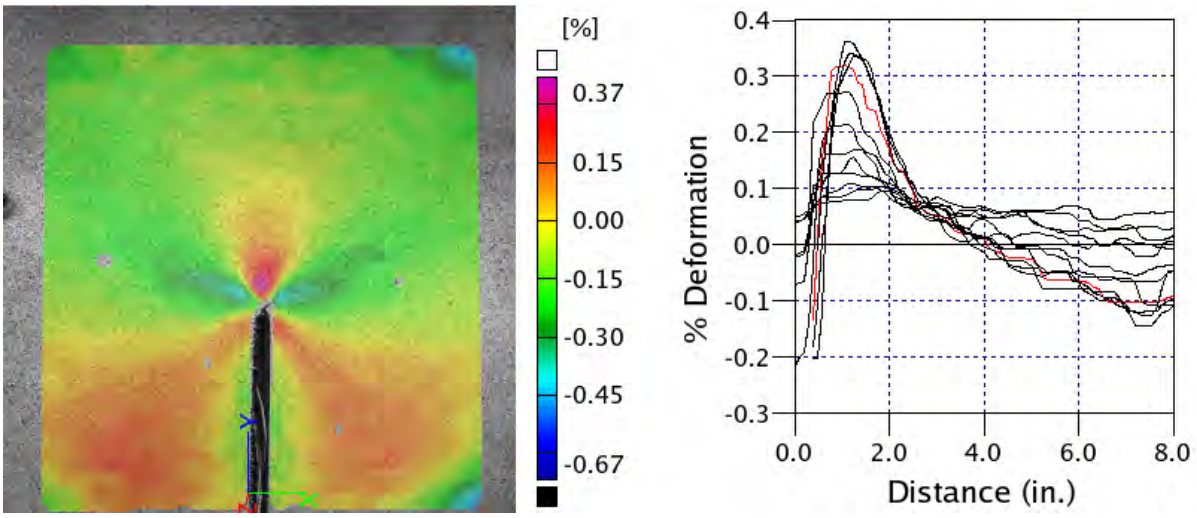


Figure C-81. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

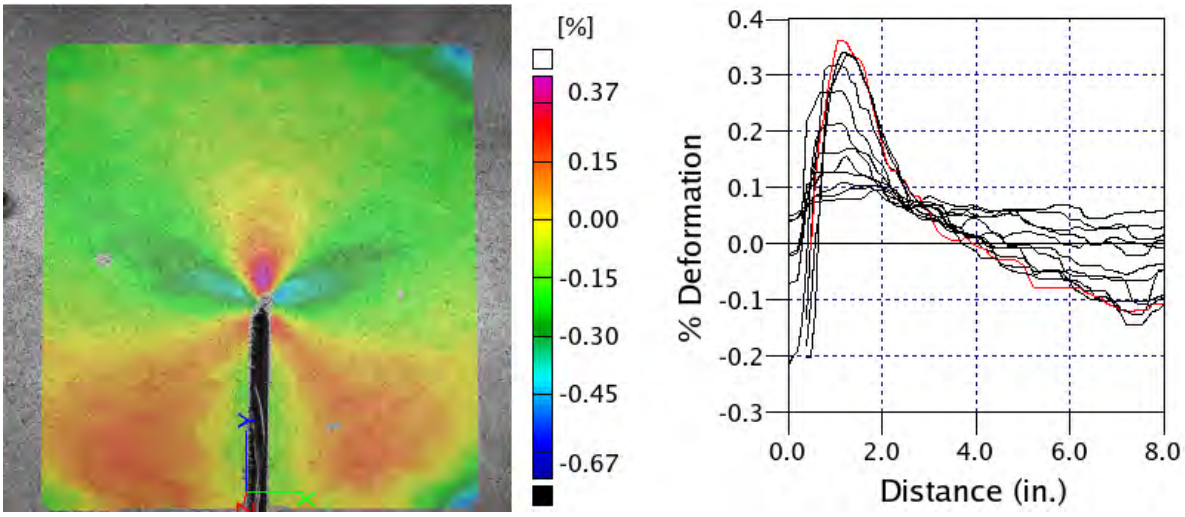


Figure C-82. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

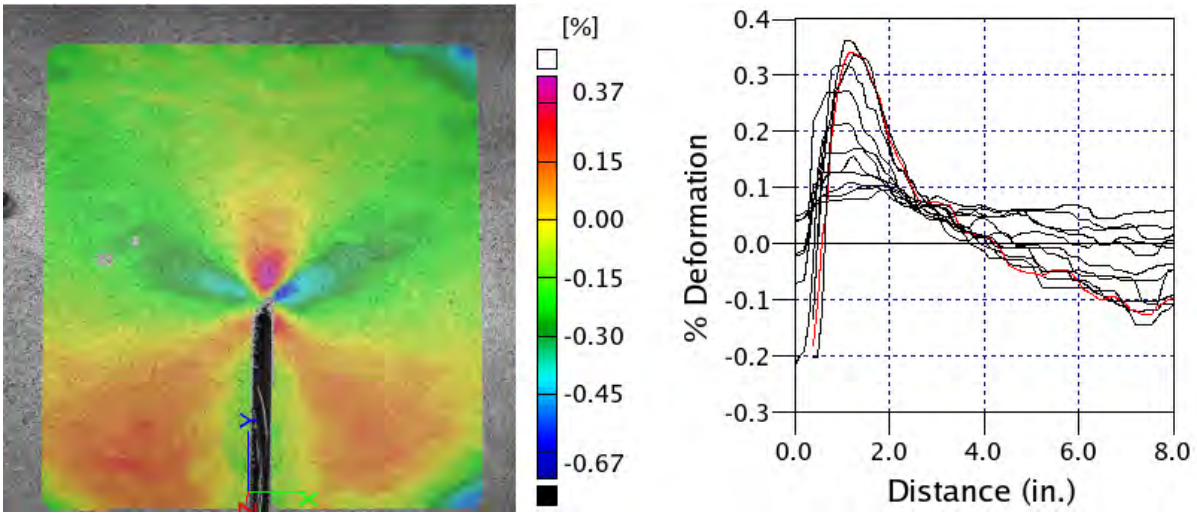


Figure C-83. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

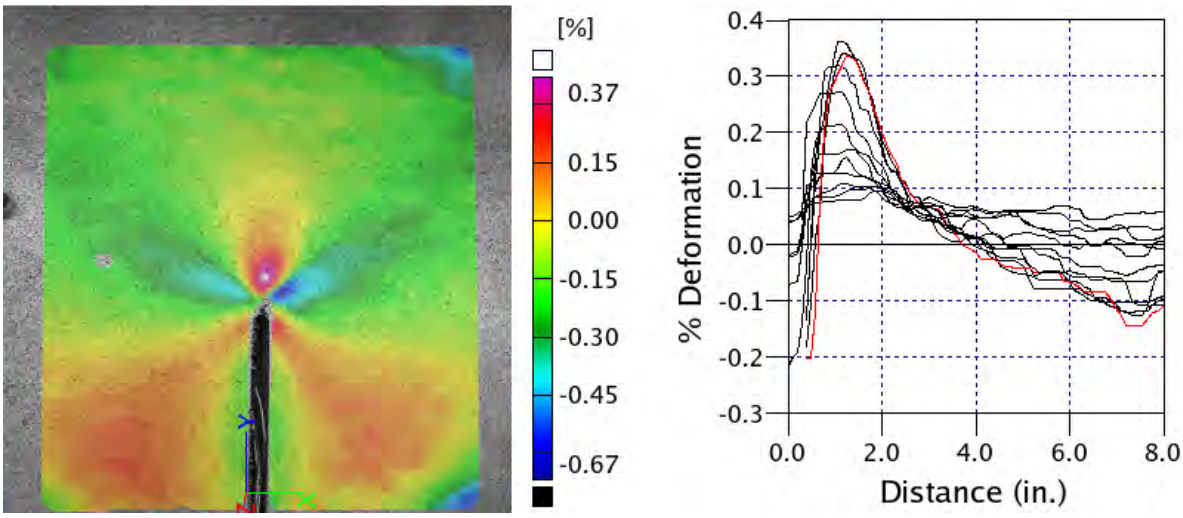


Figure C-84. CP4 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

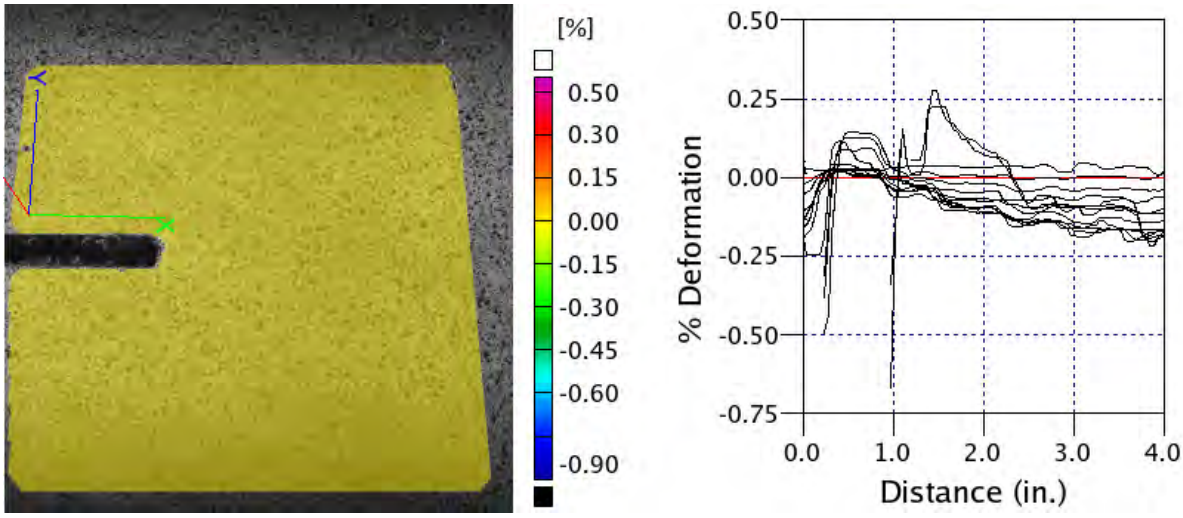


Figure C-85. CP5 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

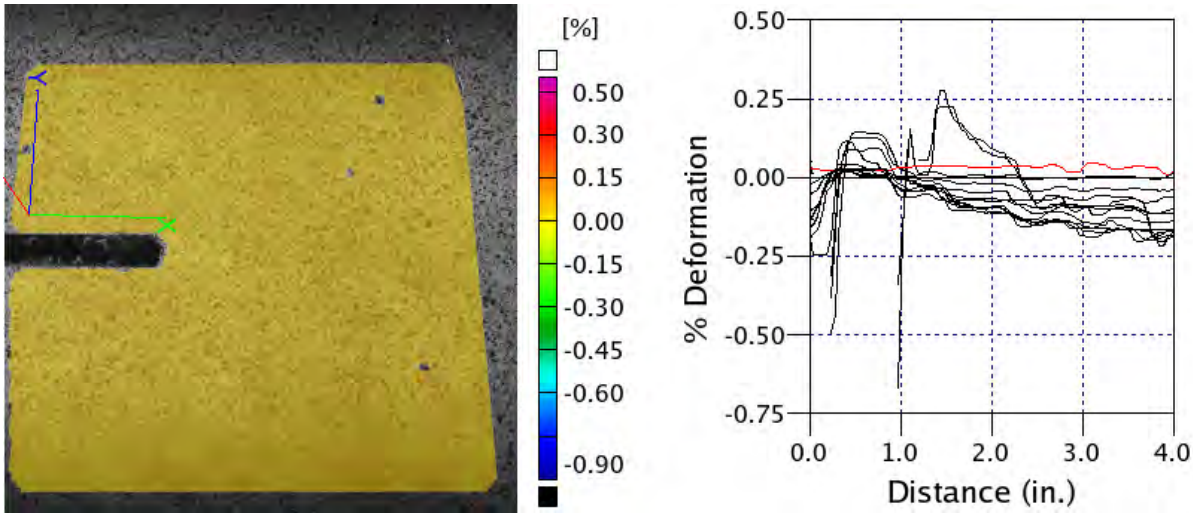


Figure C-86. CP5 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

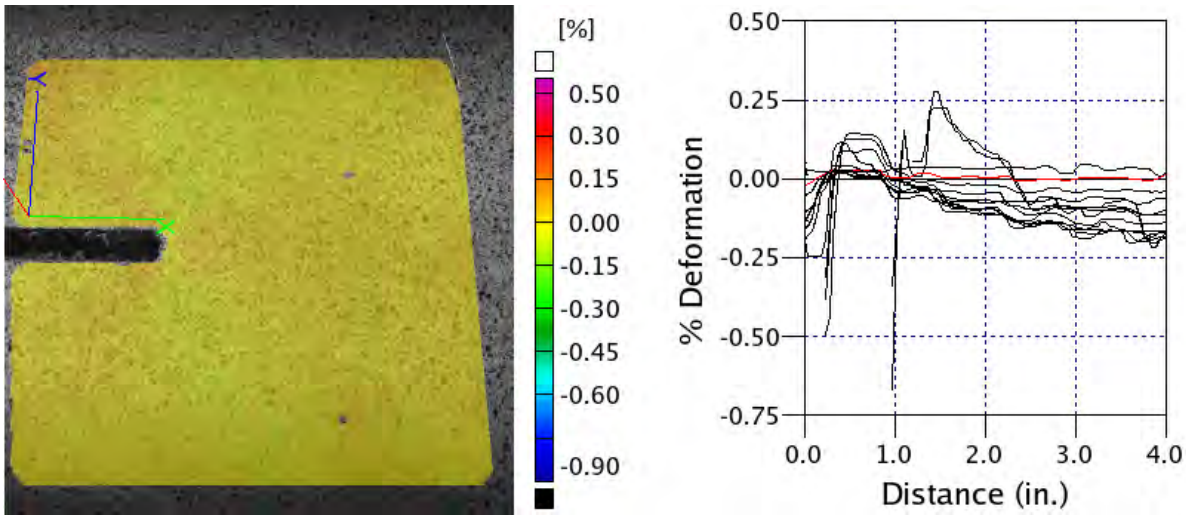


Figure C-87. CP5 RST Longitudinal Strain—1.4 psi, 100-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

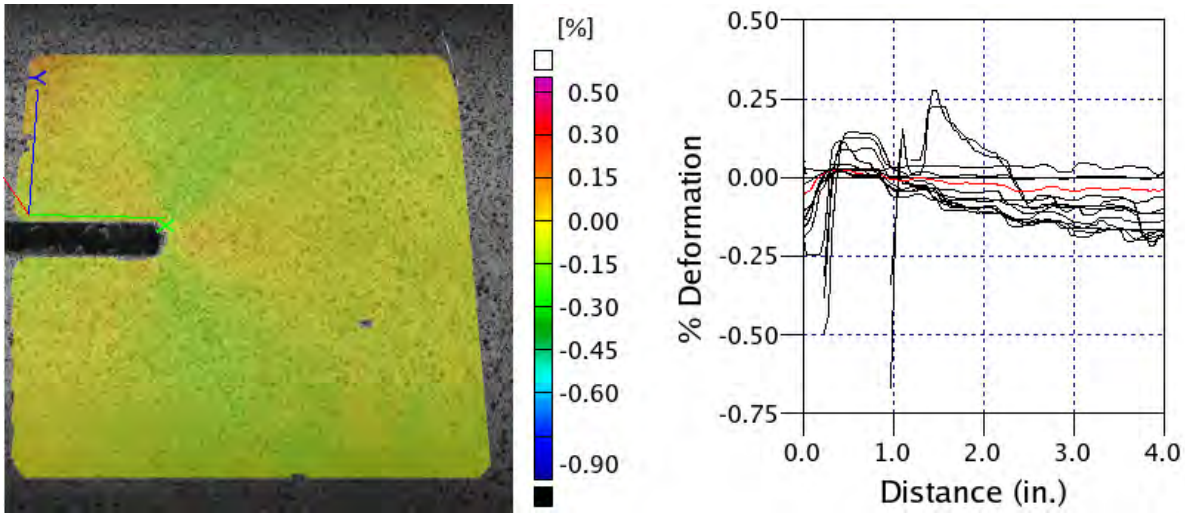


Figure C-88. CP5 RST Longitudinal Strain—1.7 psi, 200-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

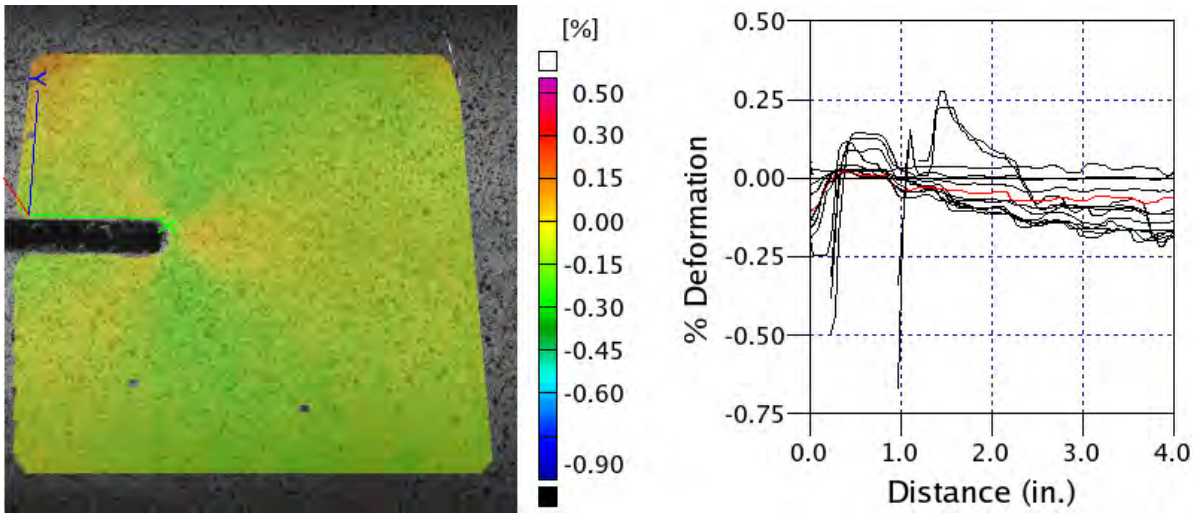


Figure C-89. CP5 RST Longitudinal Strain— 4.1 psi, 300-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

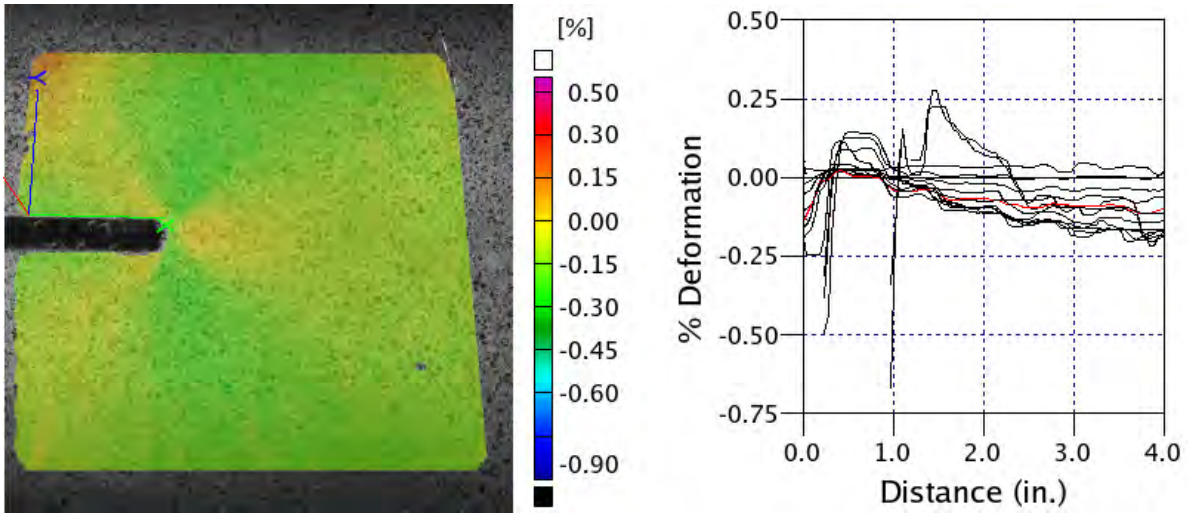


Figure C-90. CP5 RST Longitudinal Strain—5.4 psi, 400-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

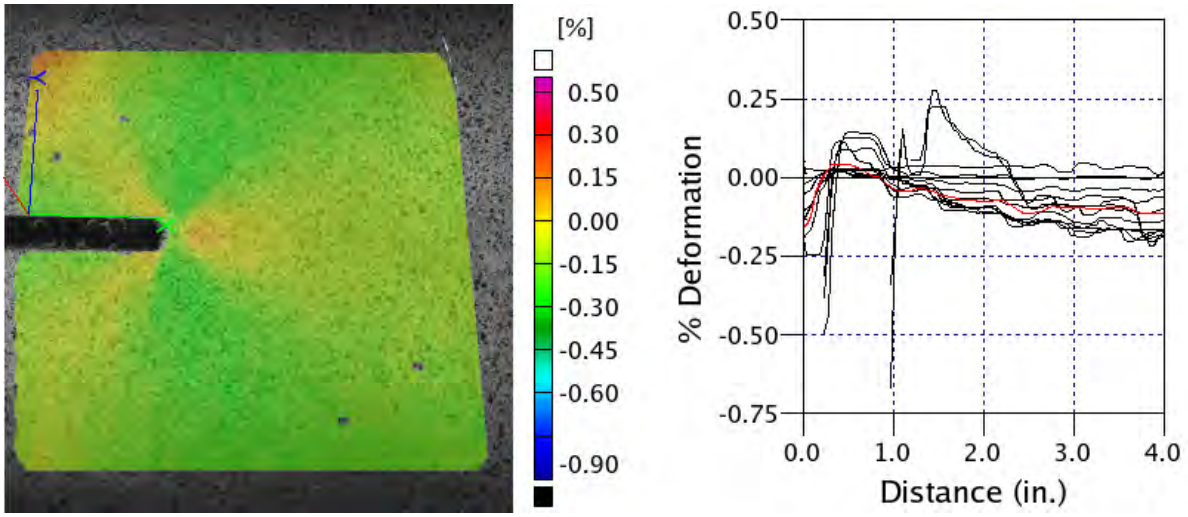


Figure C-91. CP5 RST Longitudinal Strain—6.8 psi, 500-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

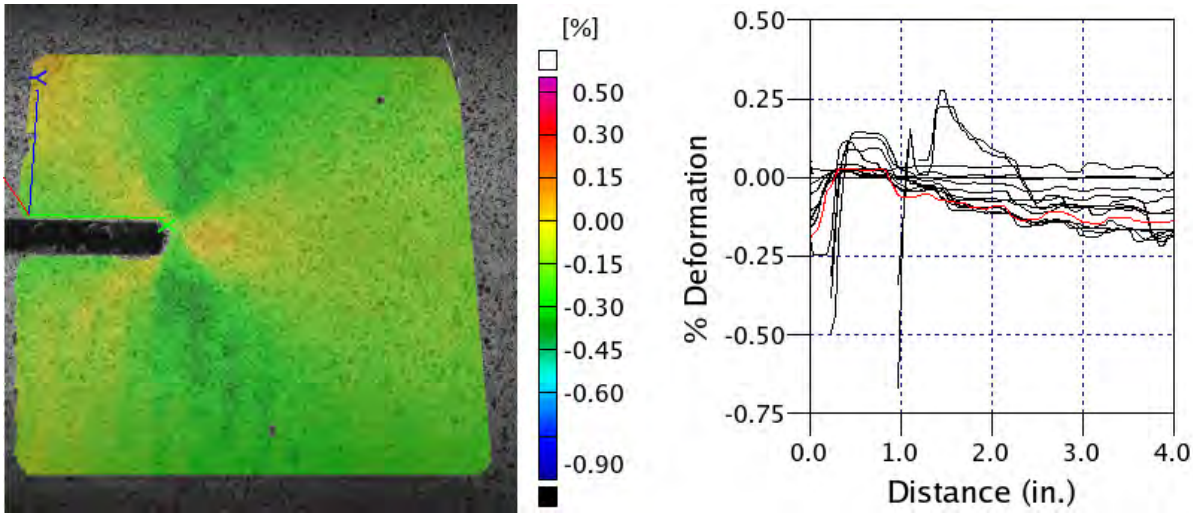


Figure C-92. CP5 RST Longitudinal Strain—8.1 psi, 600-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

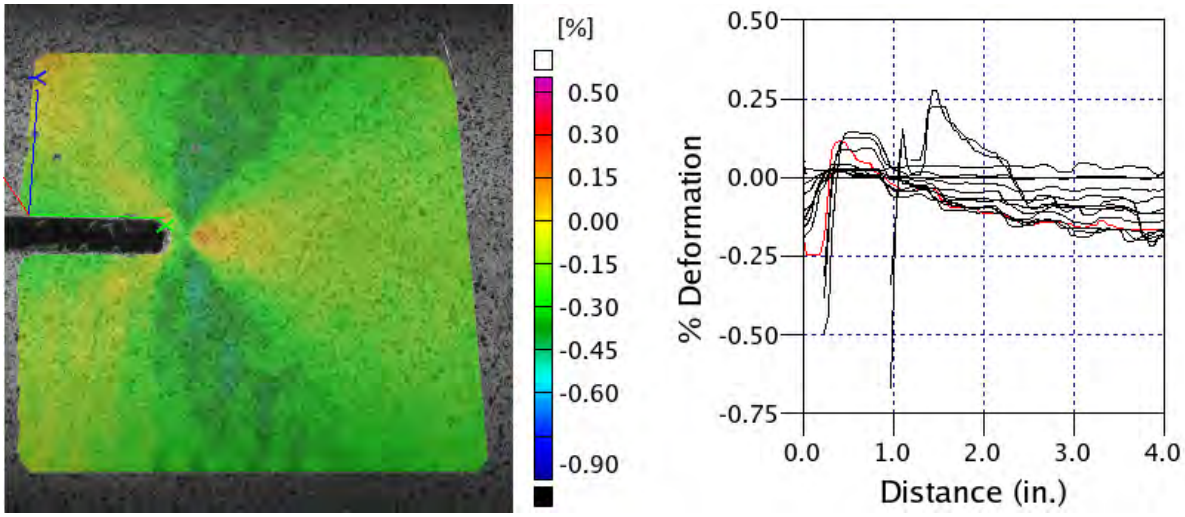


Figure C-93. CP5 RST Longitudinal Strain—9.5 psi, 700-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

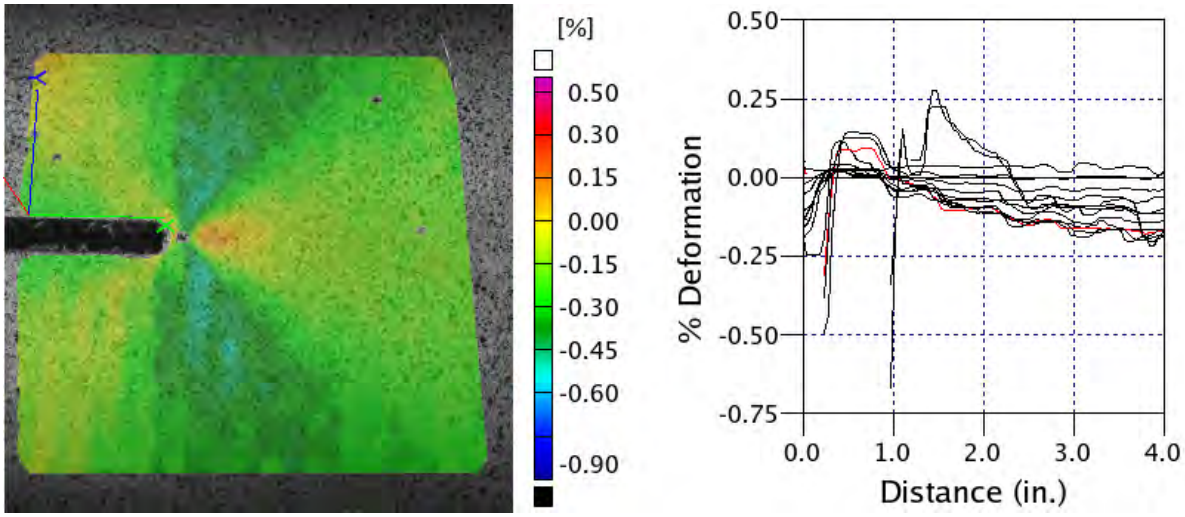


Figure C-94. CP5 RST Longitudinal Strain—10.8 psi, 800-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

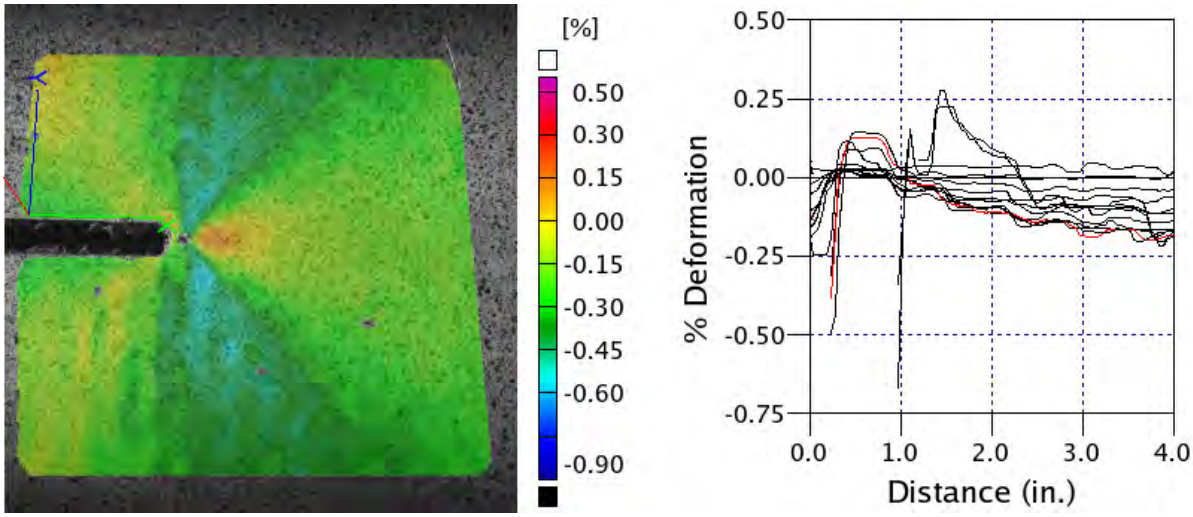


Figure C-95. CP5 RST Longitudinal Strain—10.8 psi, 800-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

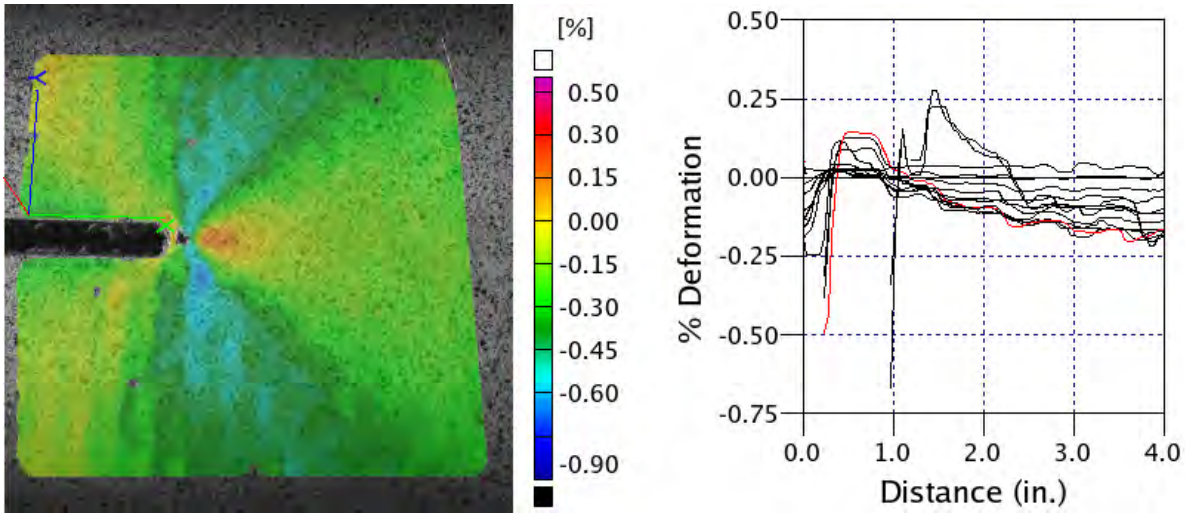


Figure C-96. CP5 RST Longitudinal Strain—12.2 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

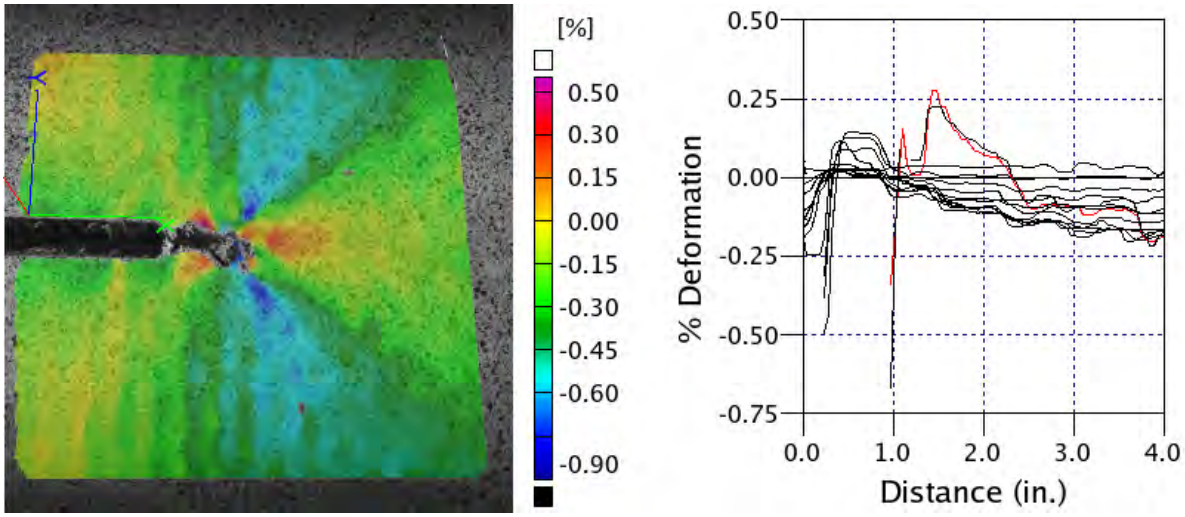


Figure C-97. CP5 RST Longitudinal Strain—12.2 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

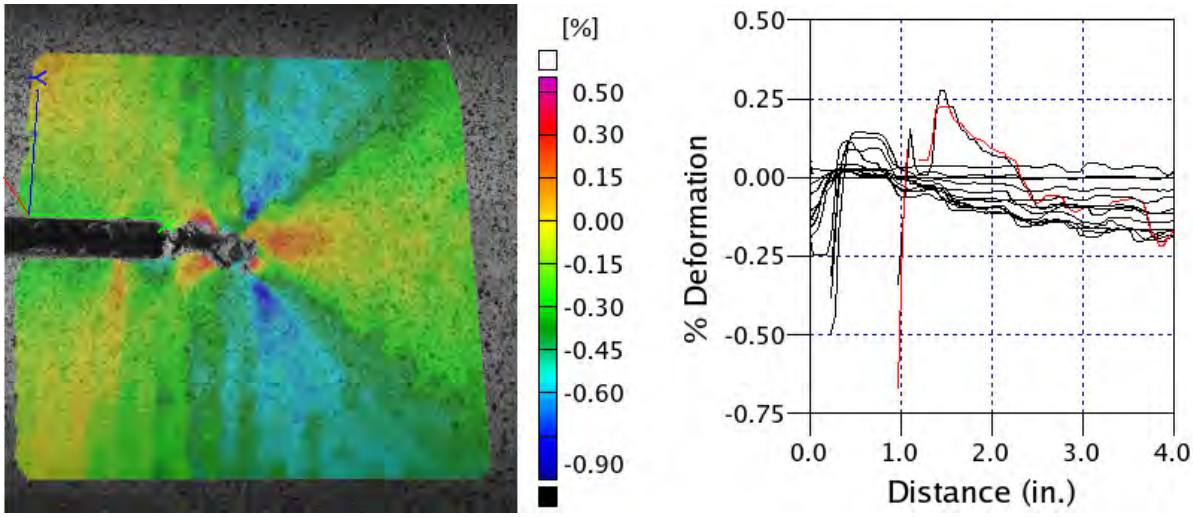


Figure C-98. CP5 RST Longitudinal Strain—12.2 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

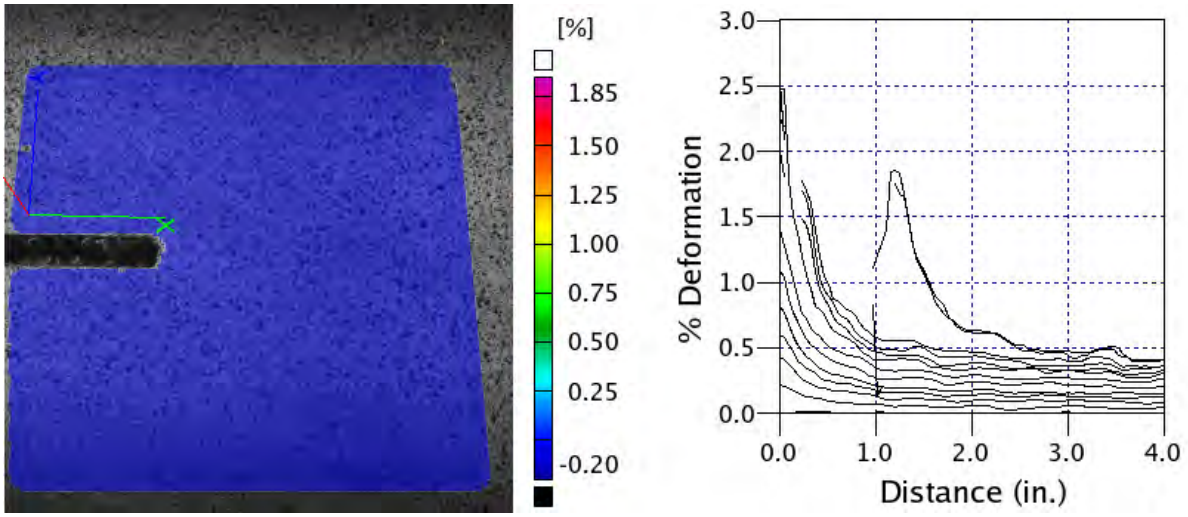


Figure C-99. CP5 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

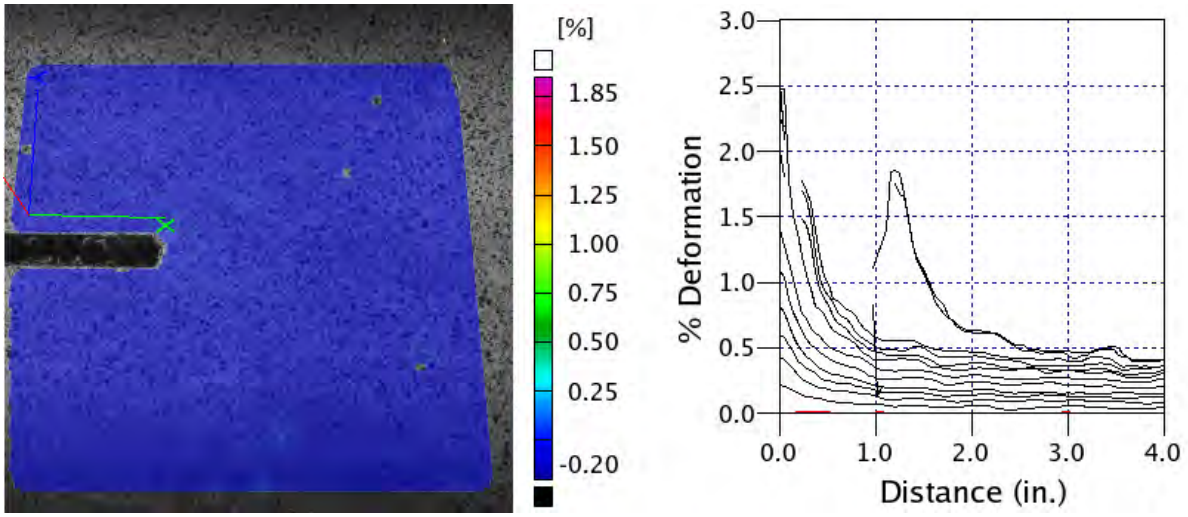


Figure C-100. CP5 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

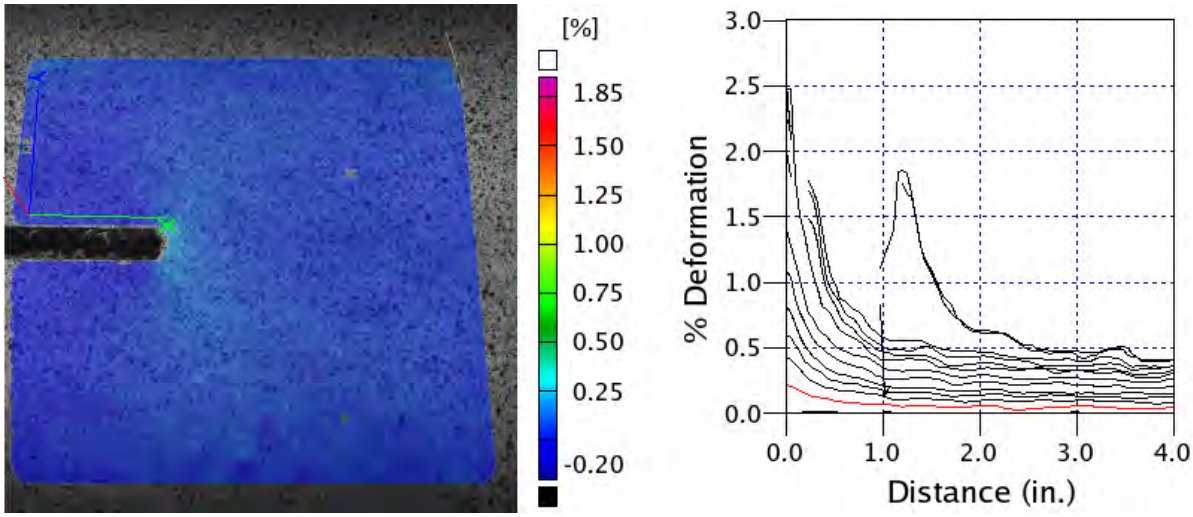


Figure C-101. CP5 RST Hoop Strain—1.4 psi, 100-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

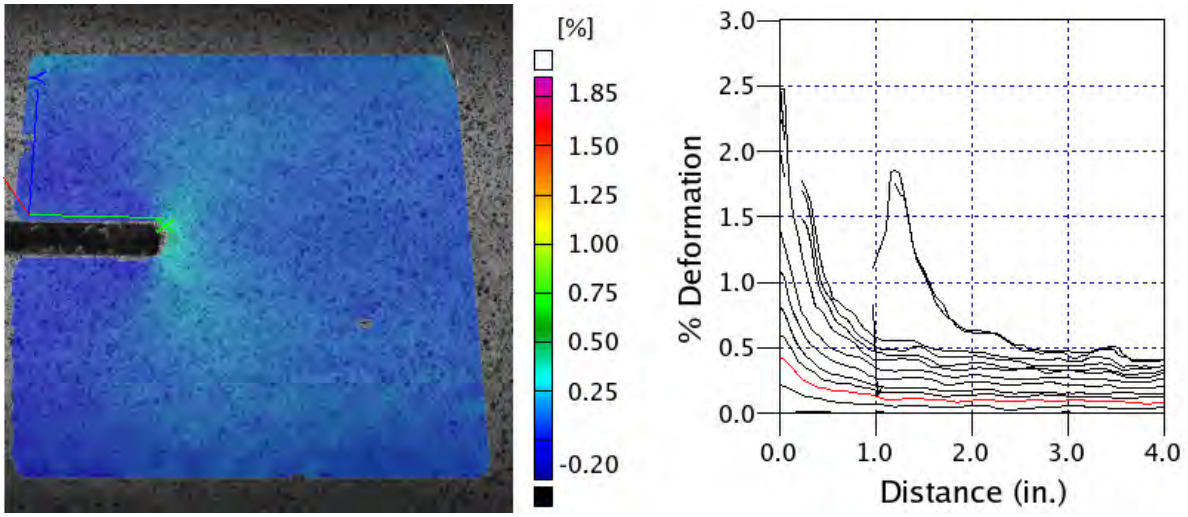


Figure C-102. CP5 RST Hoop Strain—2.7 psi, 200-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

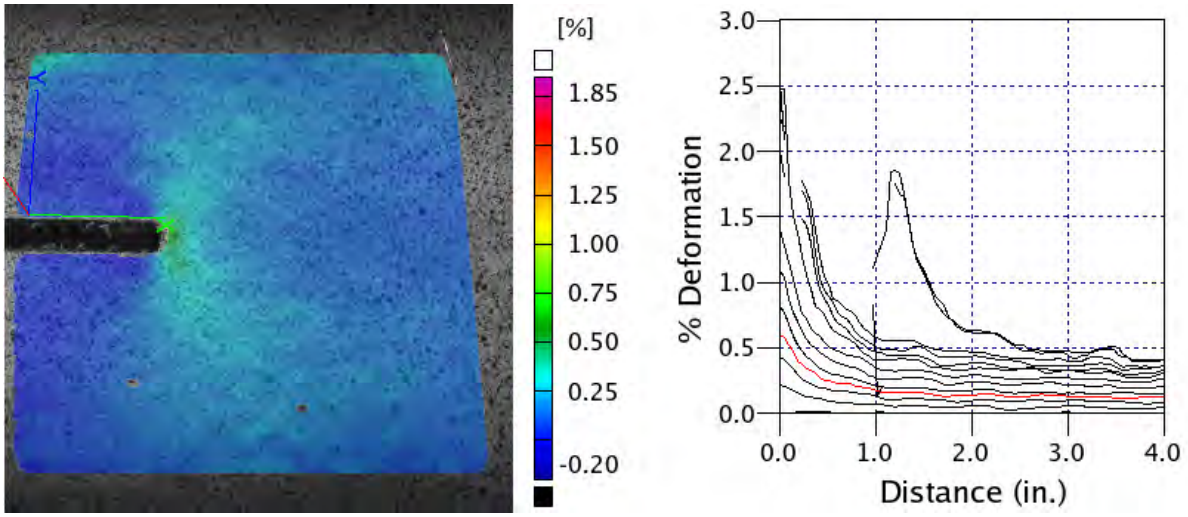


Figure C-103. CP5 RST Hoop Strain—4.1 psi, 300-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

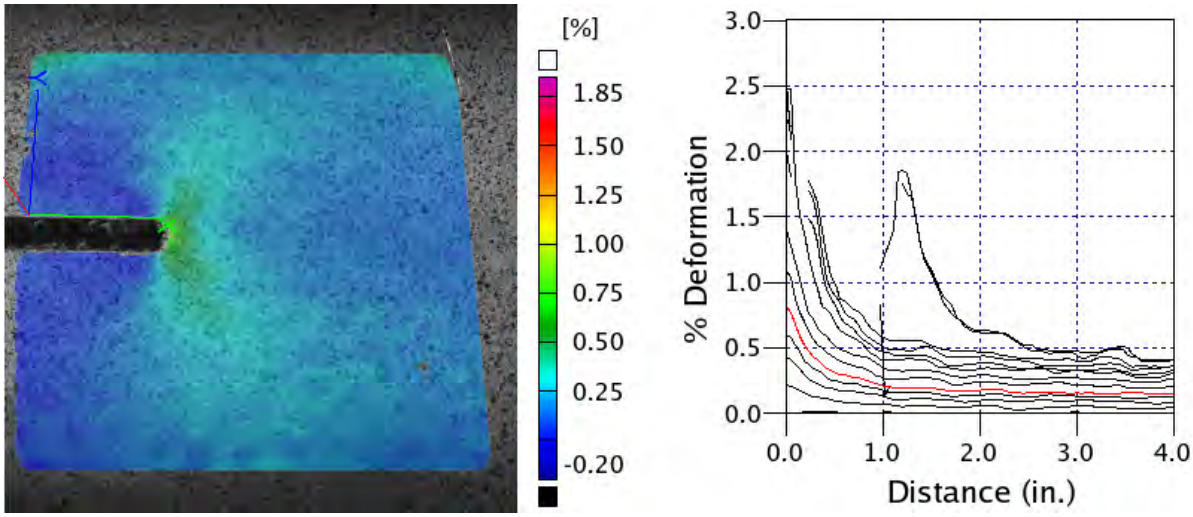


Figure C-104. CP5 RST Hoop Strain—5.4 psi, 400-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

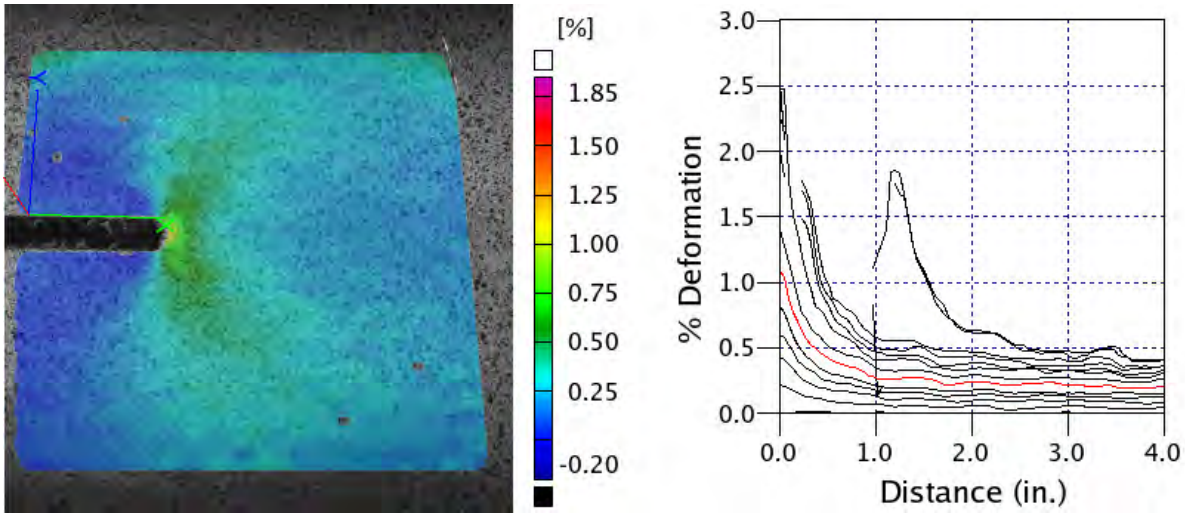


Figure C-105. CP5 RST Hoop Strain—6.8 psi, 500-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

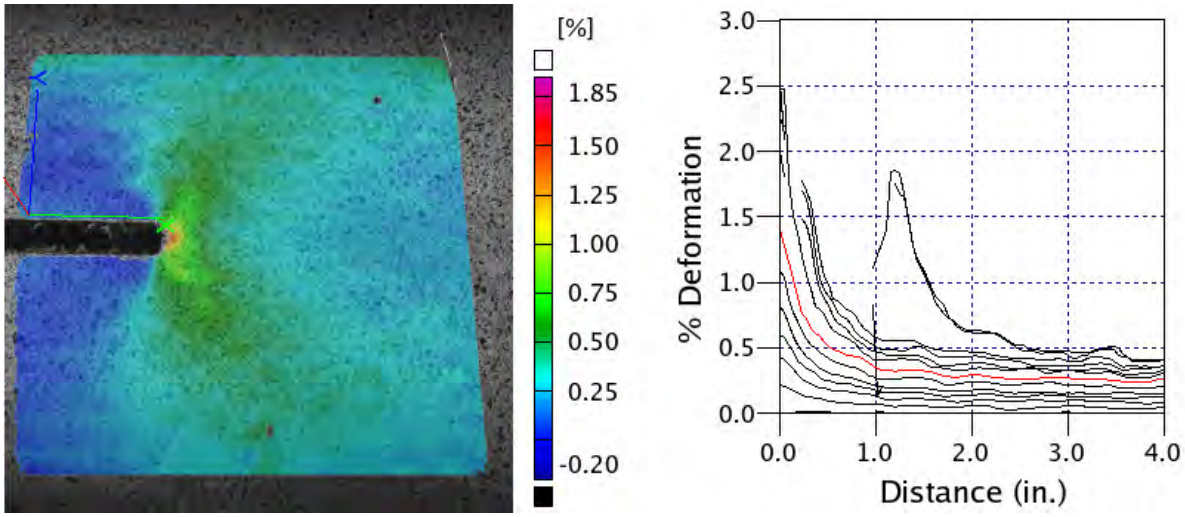


Figure C-106. CP5 RST Hoop Strain—8.1 psi, 600-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

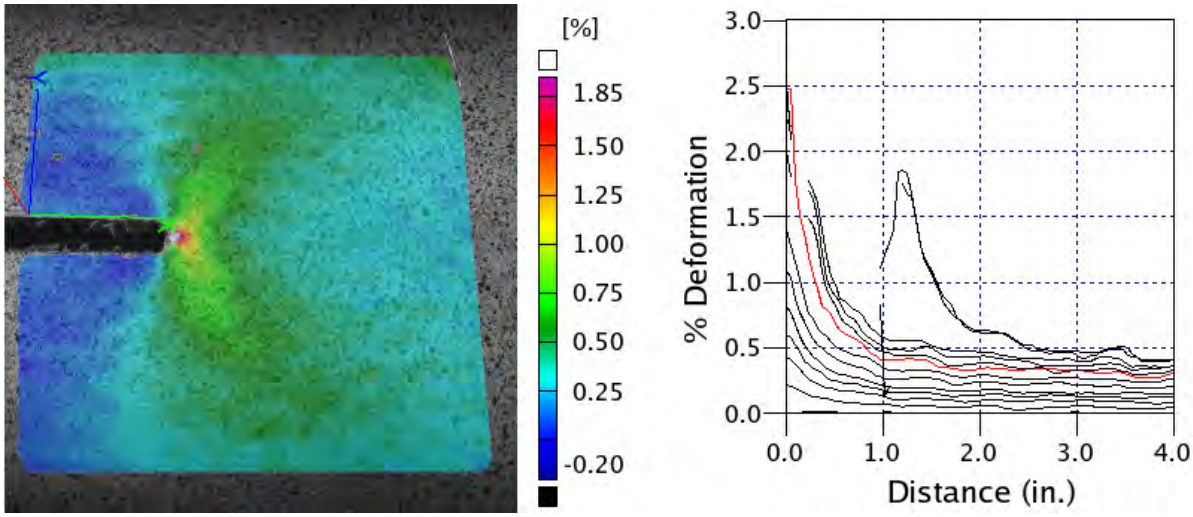


Figure C-107. CP5 RST Hoop Strain—9.5 psi, 700-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

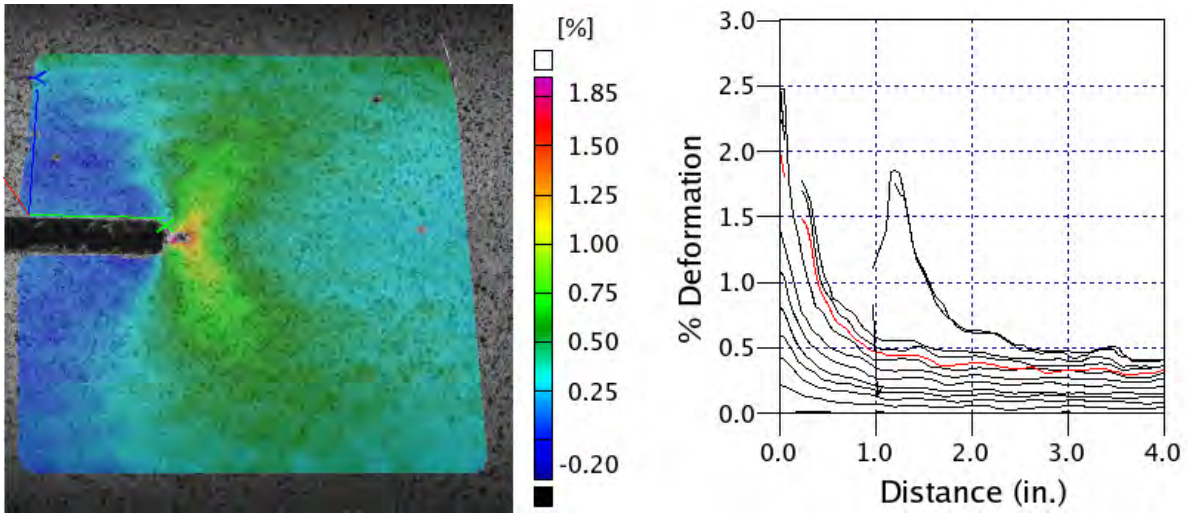


Figure C-108. CP5 RST Hoop Strain—10.8 psi, 800-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

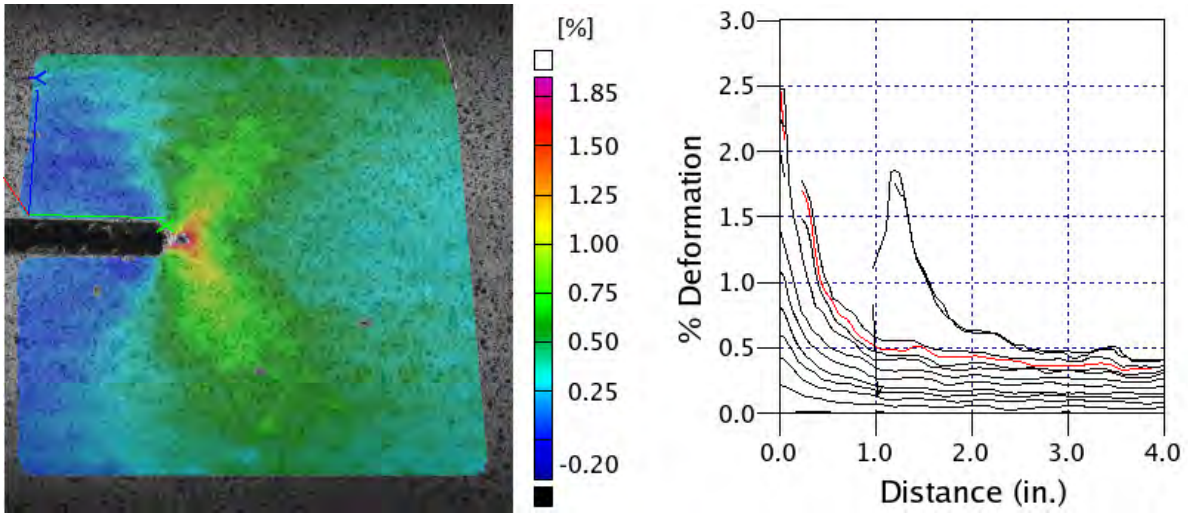


Figure C-109. CP5 RST Hoop Strain—10.8 psi, 800-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

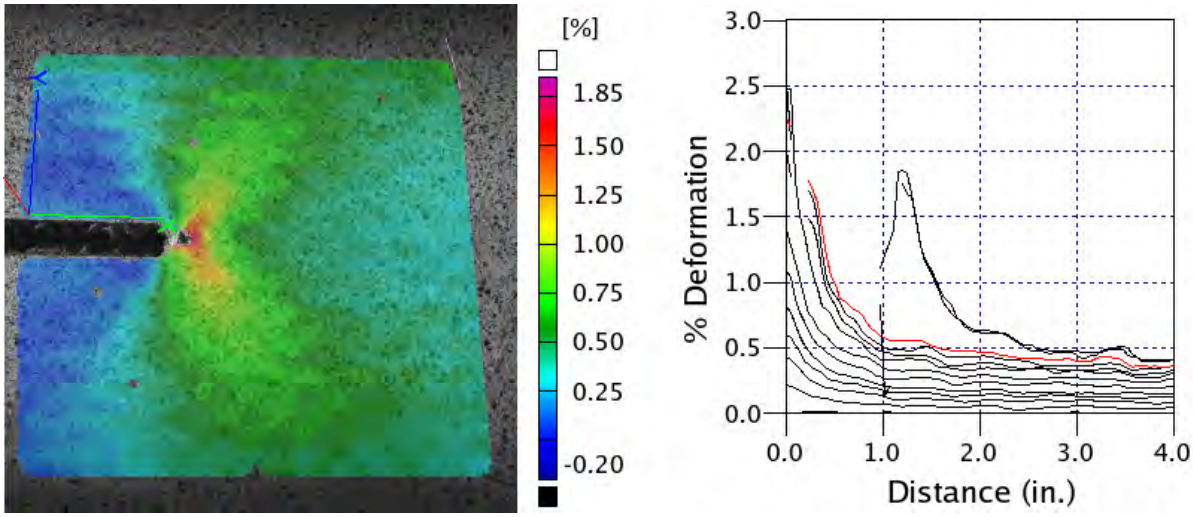


Figure C-110. CP5 RST Hoop Strain—12.1 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

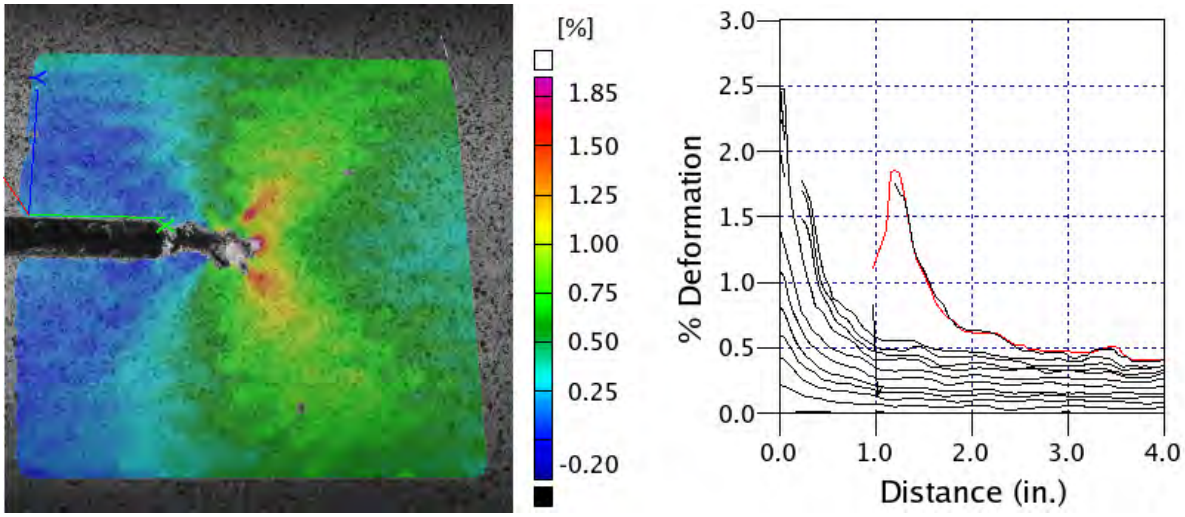


Figure C-111. CP5 RST Hoop Strain—12.1 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

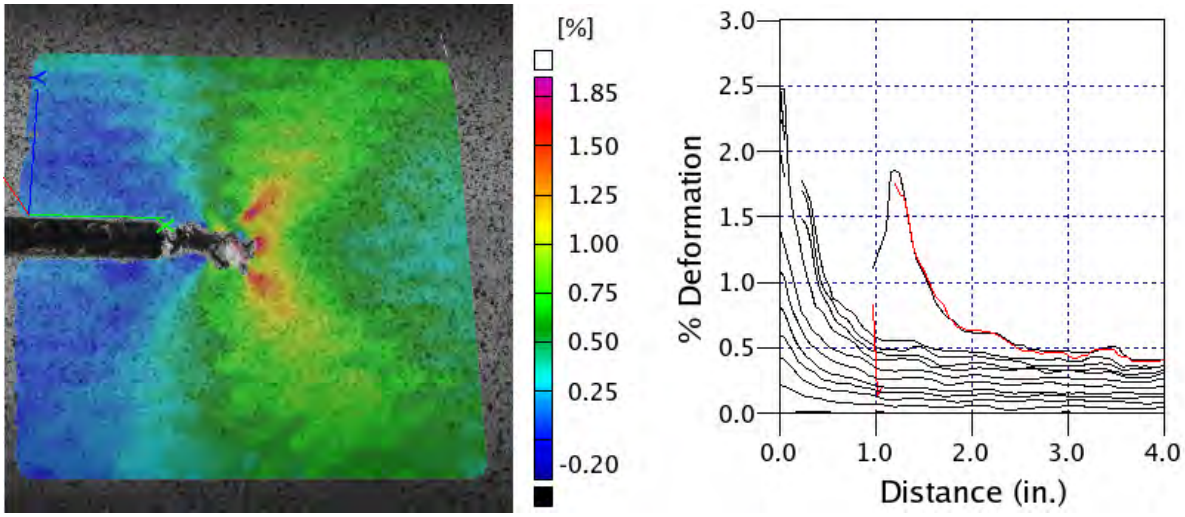


Figure C-112. CP5 RST Hoop Strain—12.1 psi, 900-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

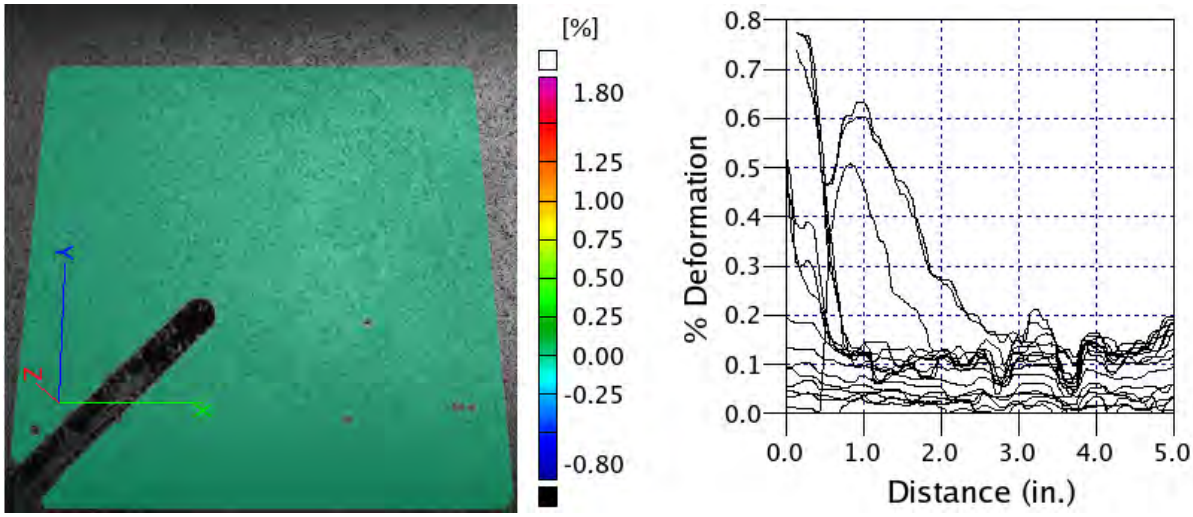


Figure C-113. CP6 RST Longitudinal Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

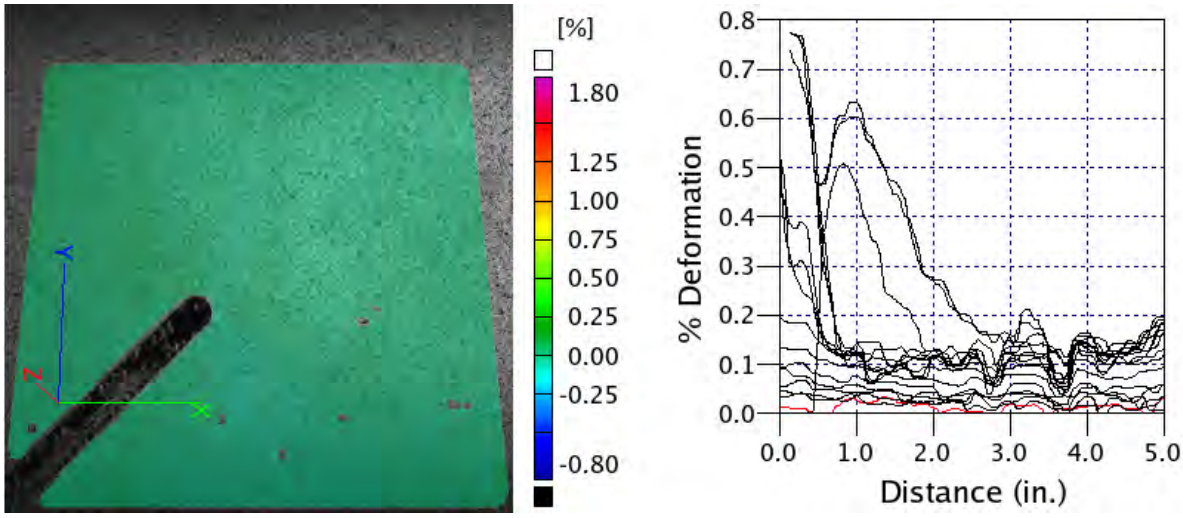


Figure C-114. CP6 RST Longitudinal Strain—1.4 psi, 100-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

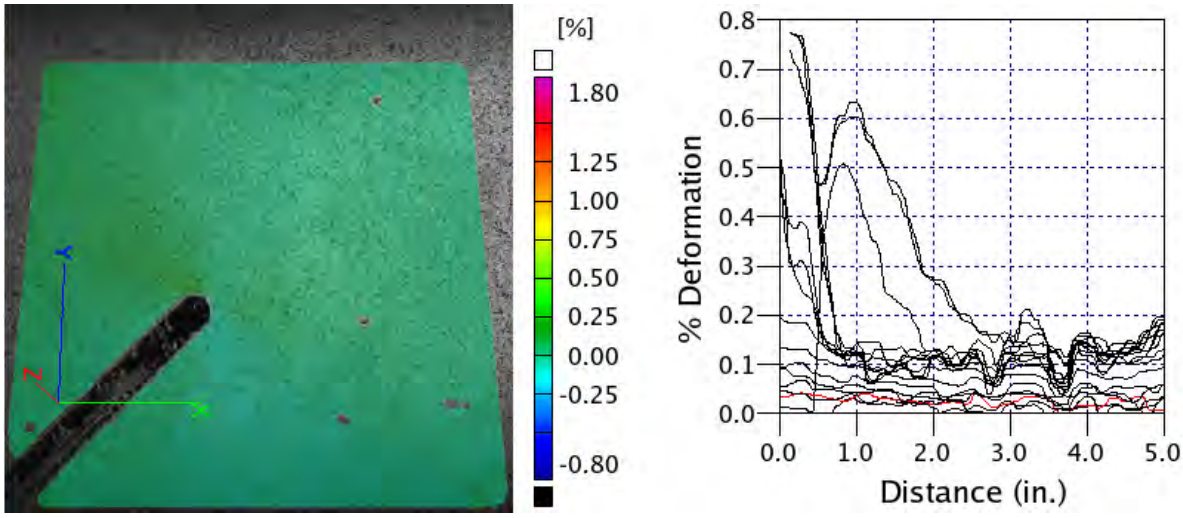


Figure C-115. CP6 RST Longitudinal Strain—2.7 psi, 200-lb/in. Hoop Load, 200-lb/in. Longitudinal Load

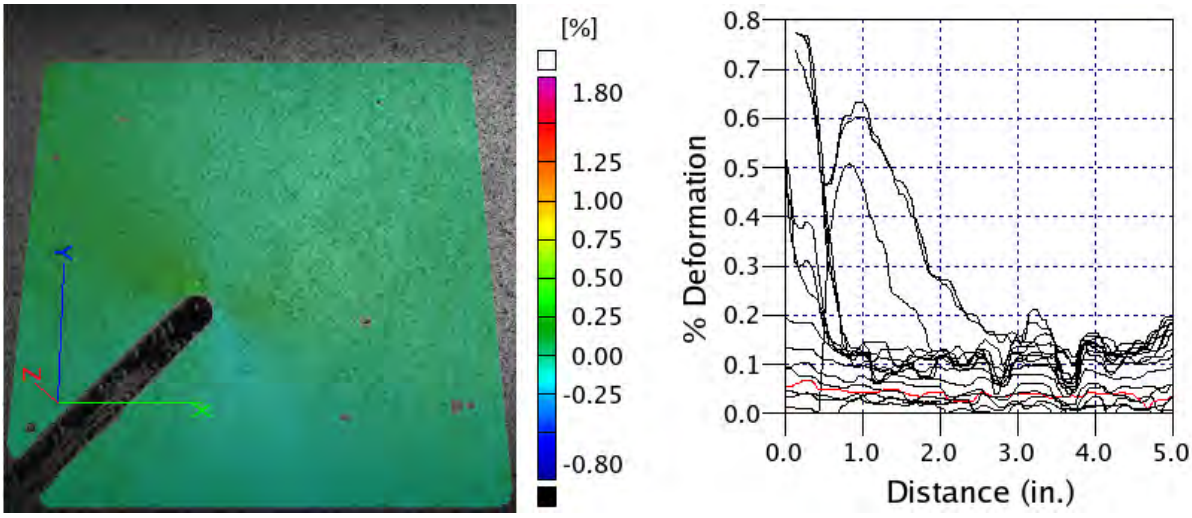


Figure C-116. CP6 RST Longitudinal Strain—4.1 psi, 300-lb/in. Hoop Load, 300-lb/in. Longitudinal Load

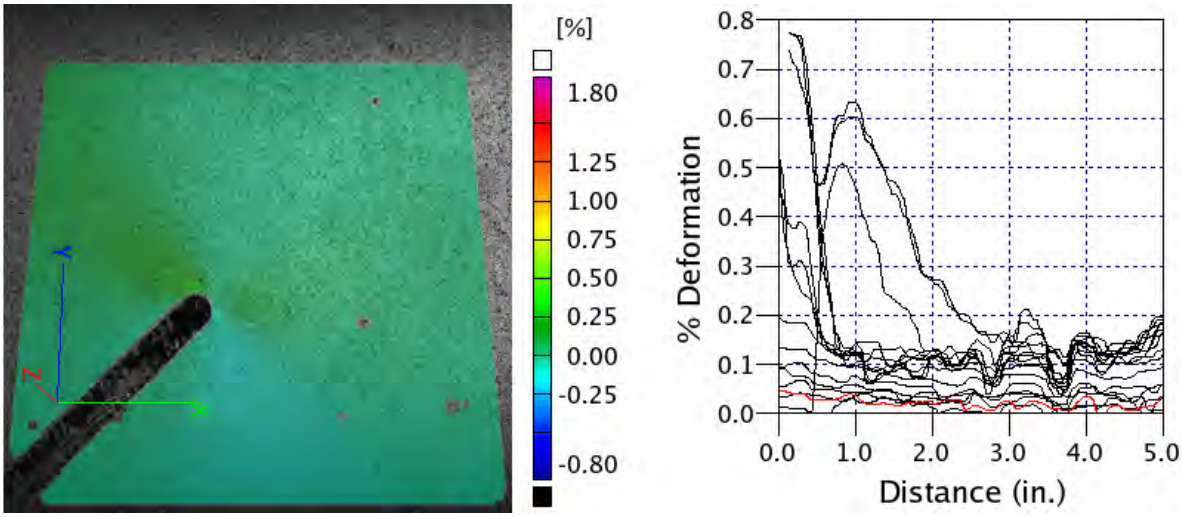


Figure C-117. CP6 RST Longitudinal Strain—5.4 psi, 400-lb/in. Hoop Load, 400-lb/in. Longitudinal Load

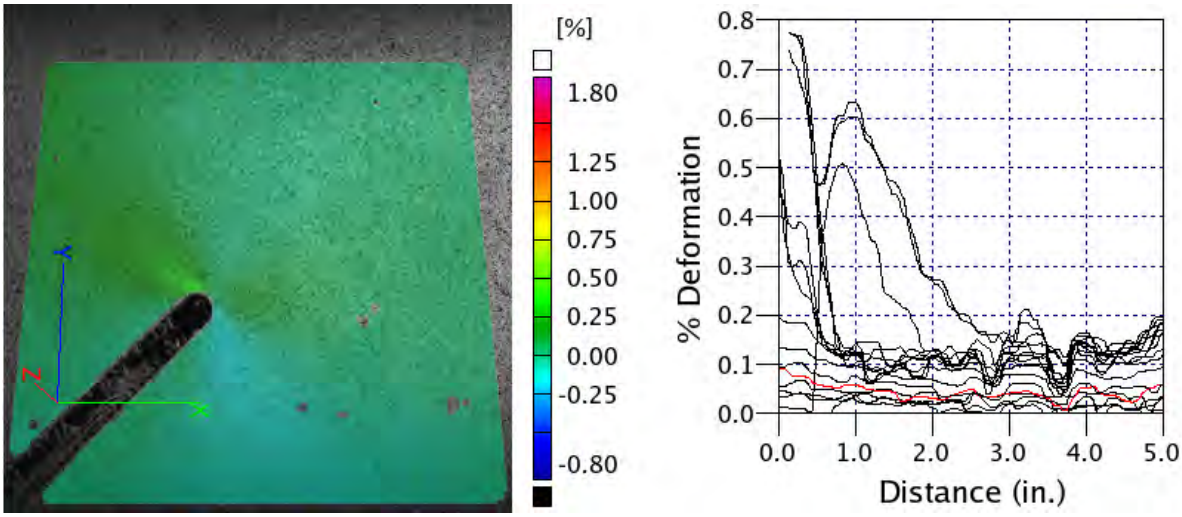


Figure C-118. CP6 RST Longitudinal Strain—6.8 psi, 500-lb/in. Hoop Load, 500-lb/in. Longitudinal Load

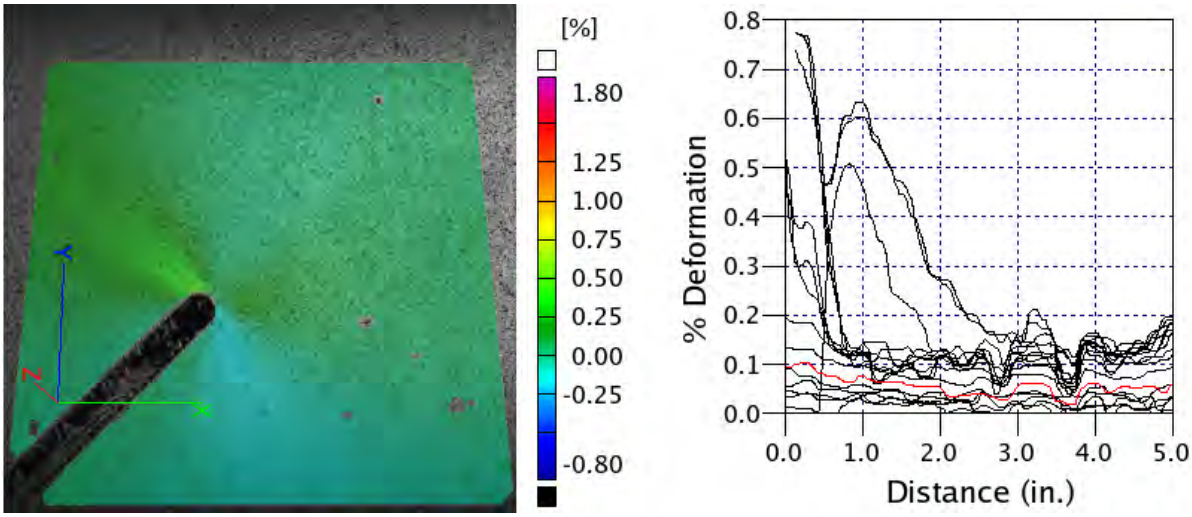


Figure C-119. CP6 RST Longitudinal Strain—8.1 psi, 600-lb/in. Hoop Load, 600-lb/in. Longitudinal Load

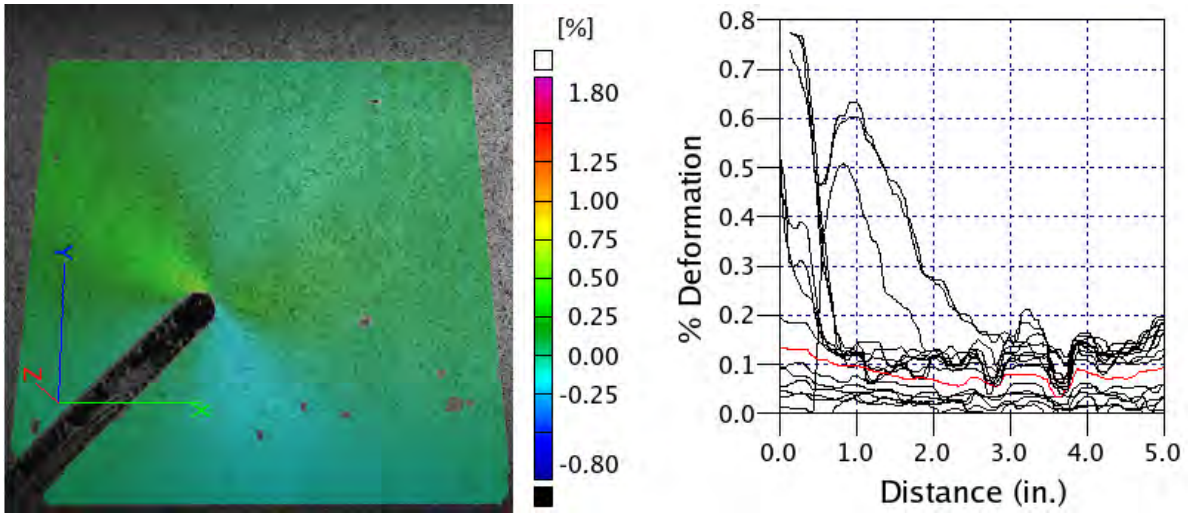


Figure C-120. CP6 RST Longitudinal Strain—9.5 psi, 700-lb/in. Hoop Load, 700-lb/in. Longitudinal Load

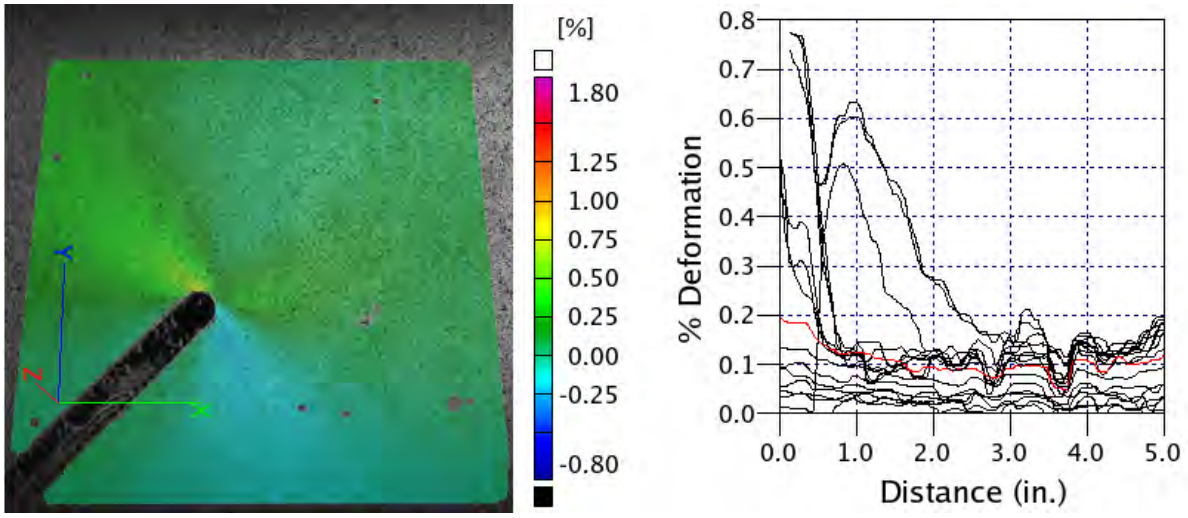


Figure C-121. CP6 RST Longitudinal Strain—10.8 psi, 800-lb/in. Hoop Load, 800-lb/in. Longitudinal Load

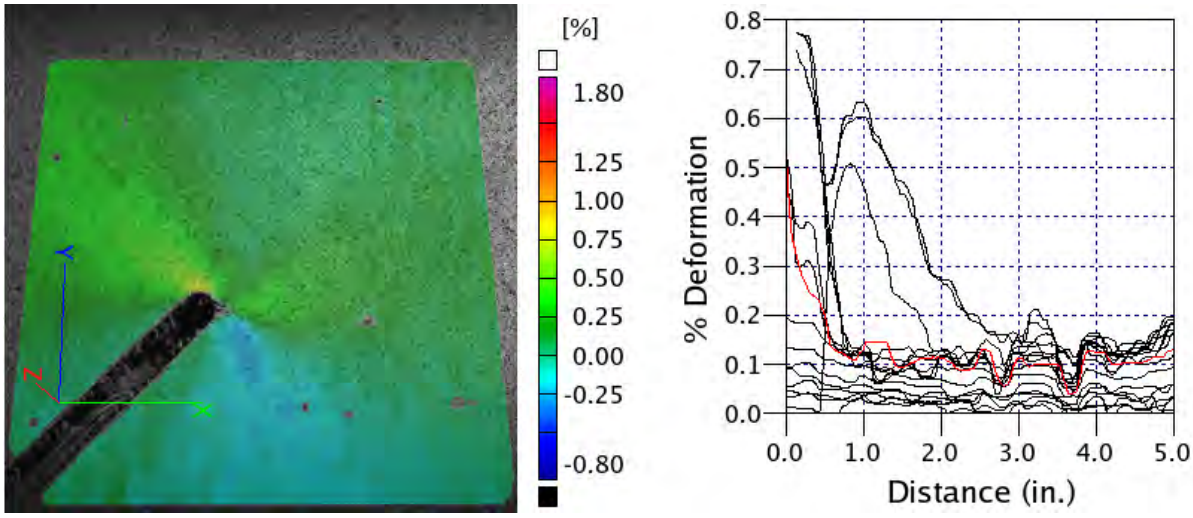


Figure C-122. CP6 RST Longitudinal Strain—12.2 psi, 900-lb/in. Hoop Load, 900-lb/in. Longitudinal Load

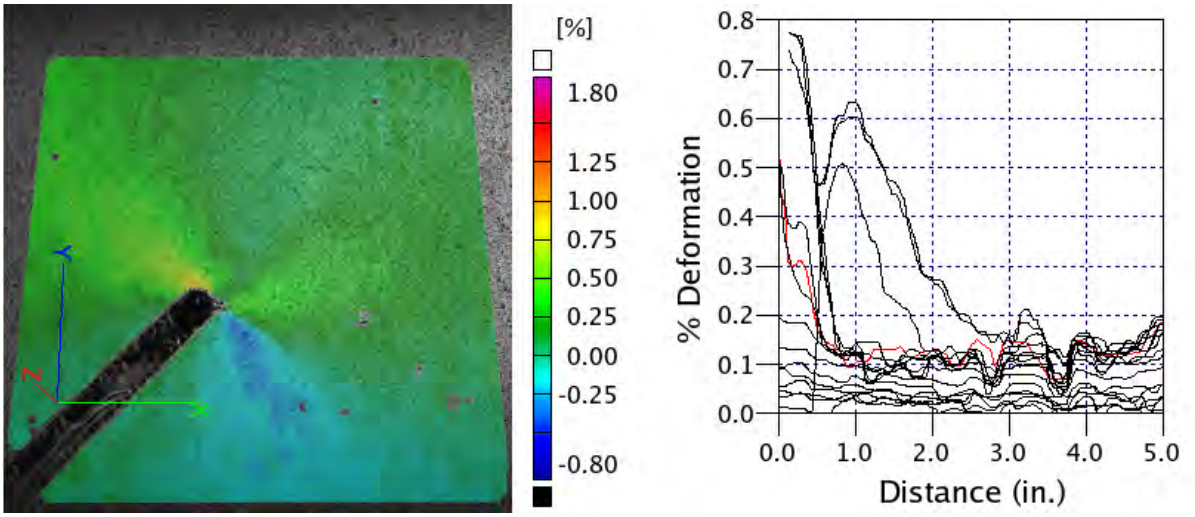


Figure C-123. CP6 RST Longitudinal Strain—13.5 psi, 1000-lb/in. Hoop Load, 1000-lb/in. Longitudinal Load

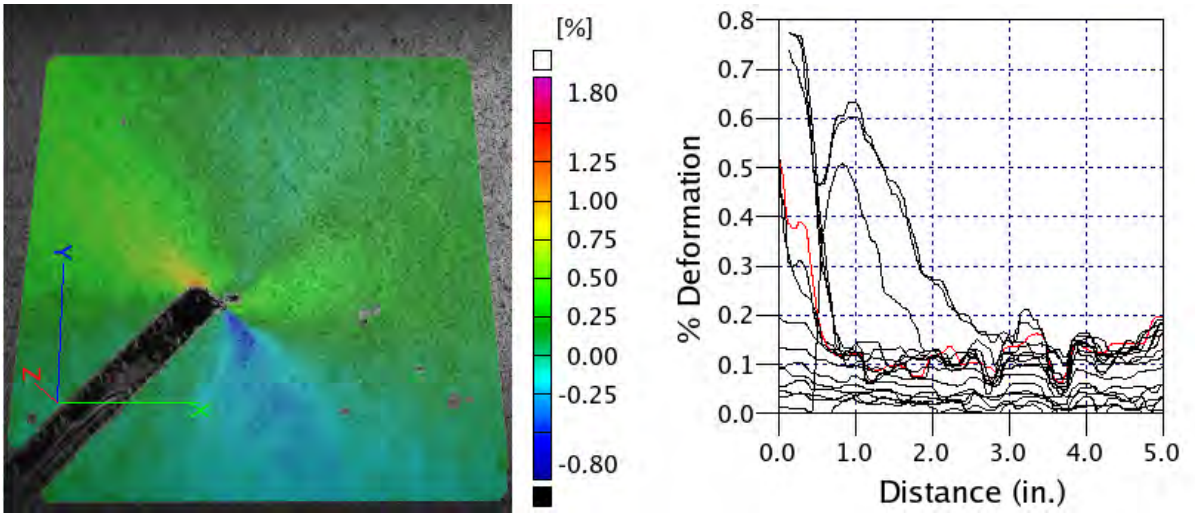


Figure C-124. CP6 RST Longitudinal Strain—13.5 psi, 1000-lb/in. Hoop Load, 1000-lb/in. Longitudinal Load

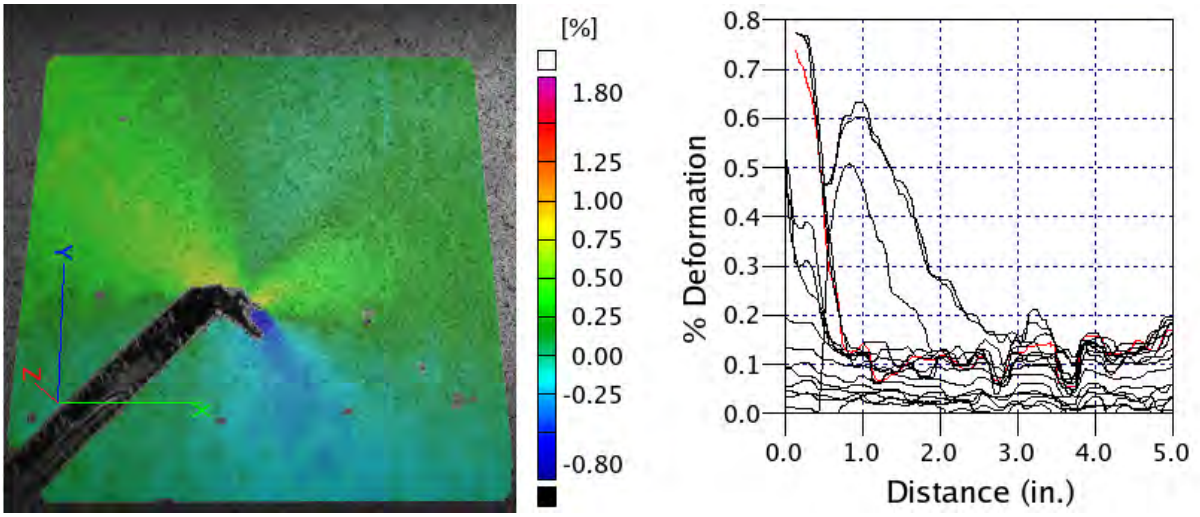


Figure C-125. CP6 RST Longitudinal Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

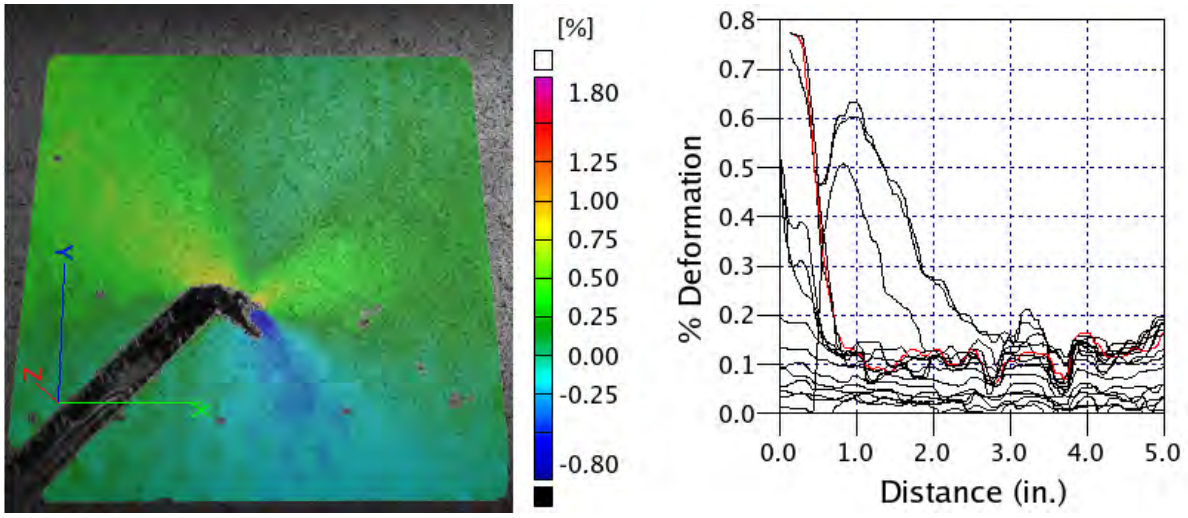


Figure C-126. CP6 RST Longitudinal Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

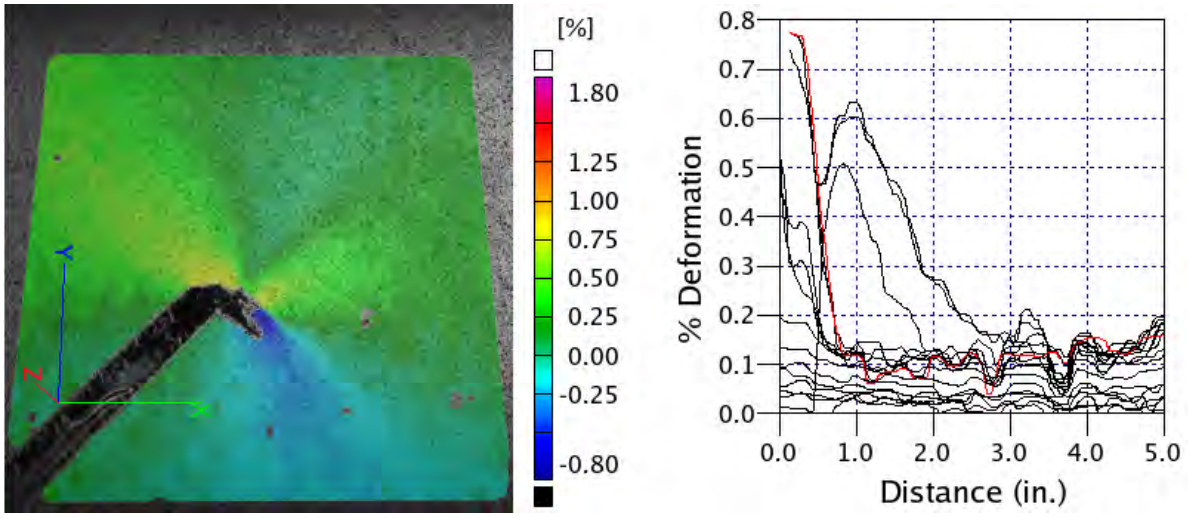


Figure C-127. CP6 RST Longitudinal Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

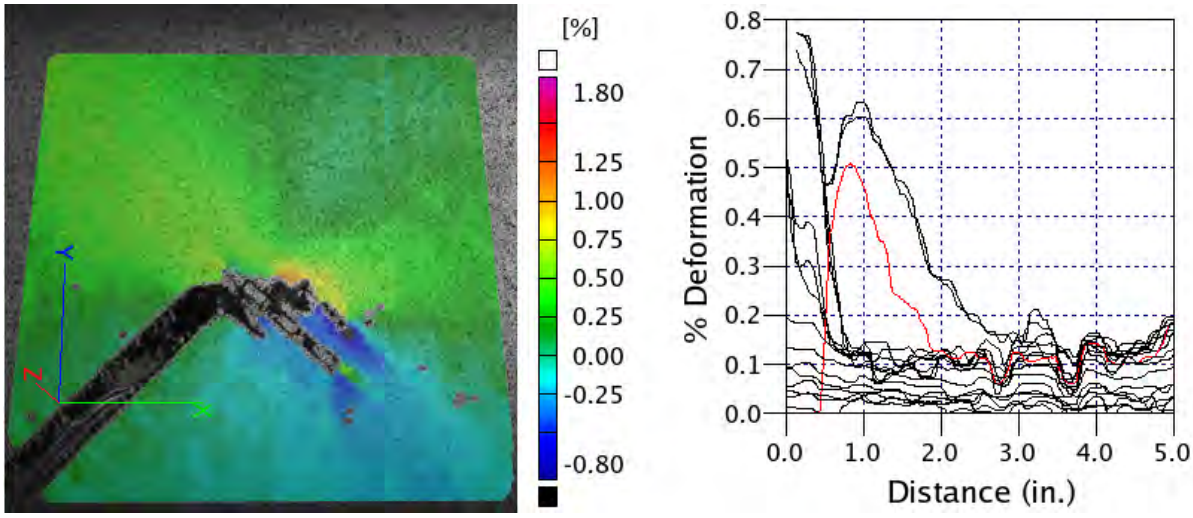


Figure C-128. CP6 RST Longitudinal Strain—16.2 psi, 1200-lb/in. Hoop Load, 1200-lb/in. Longitudinal Load

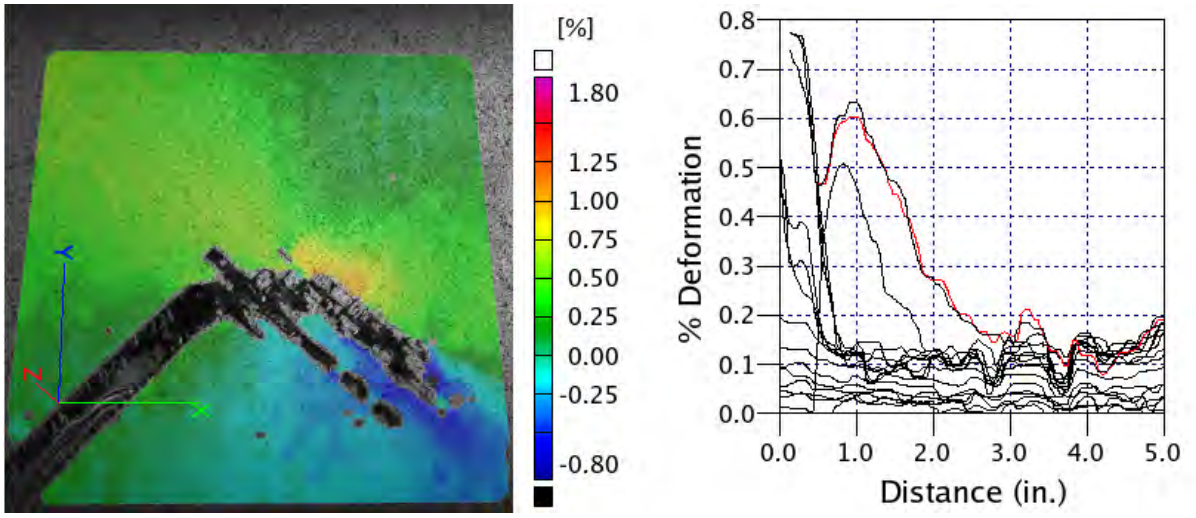


Figure C-129. CP6 RST Longitudinal Strain—17.6 psi, 1300-lb/in. Hoop Load, 1300-lb/in. Longitudinal Load

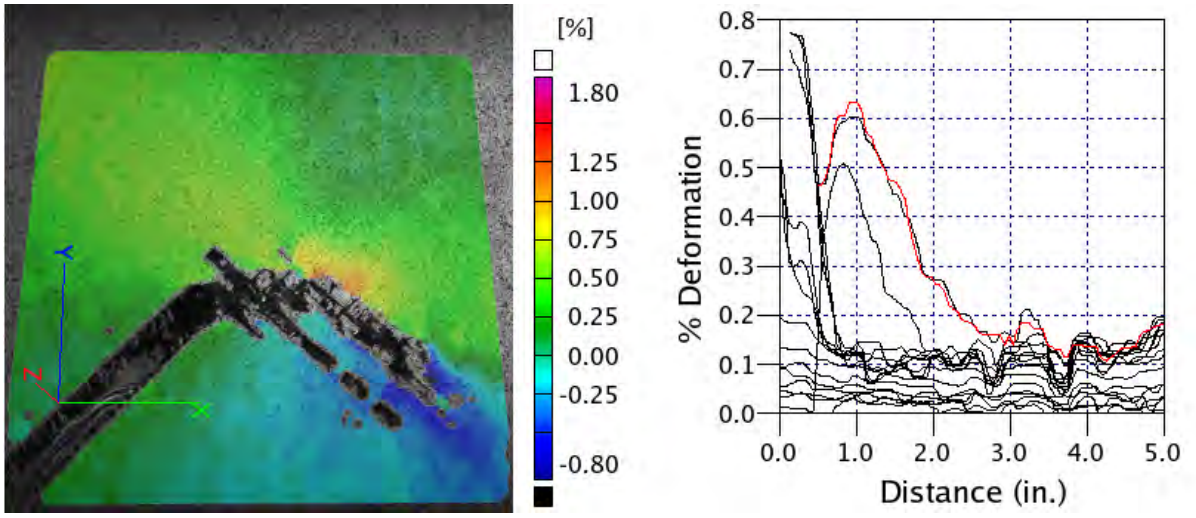


Figure C-130. CP6 RST Longitudinal Strain—17.6 psi, 1300-lb/in. Hoop Load, 1300-lb/in. Longitudinal Load

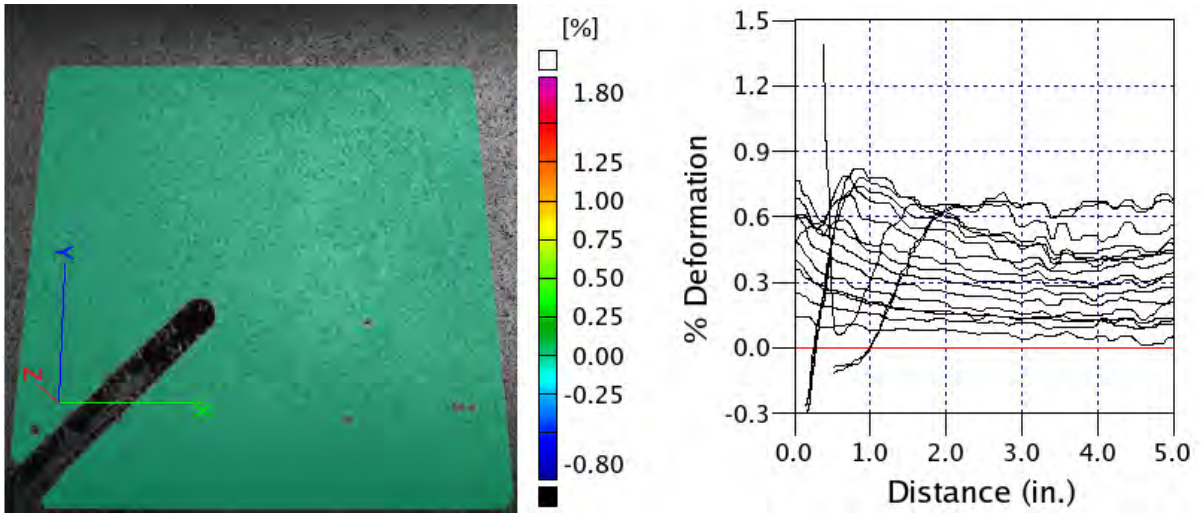


Figure C-131. CP6 RST Hoop Strain—0 psi, 0-lb/in. Hoop Load, 0-lb/in. Longitudinal Load

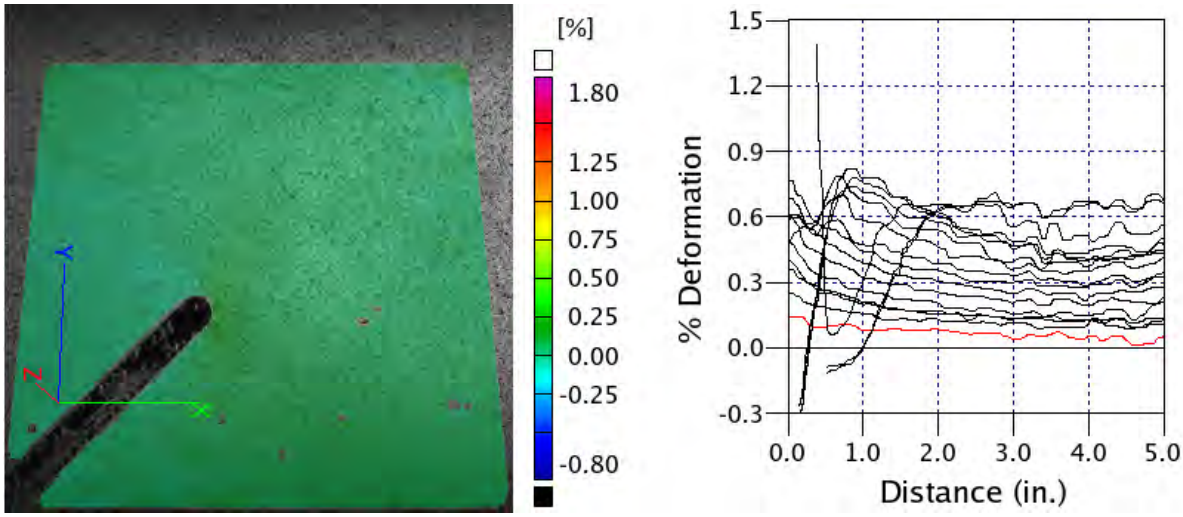


Figure C-132. CP6 RST Hoop Strain—1.4 psi, 100-lb/in. Hoop Load, 100-lb/in. Longitudinal Load

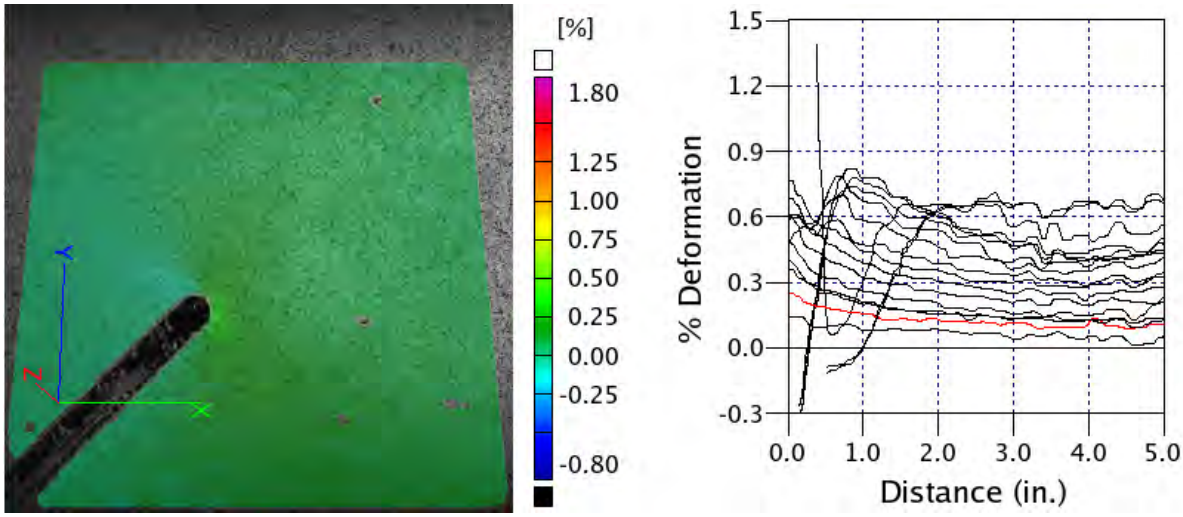


Figure C-133. CP6 RST Hoop Strain—2.7 psi, 200-lb/in. Hoop Load, 200-lb/in. Longitudinal Load

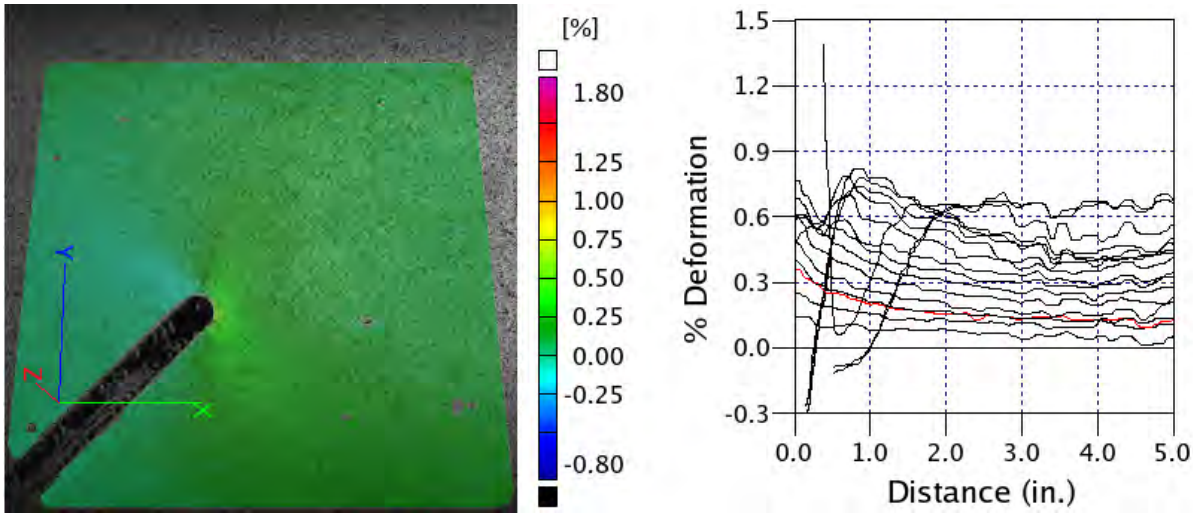


Figure C-134. CP6 RST Hoop Strain—4.1 psi, 300-lb/in. Hoop Load, 300-lb/in. Longitudinal Load

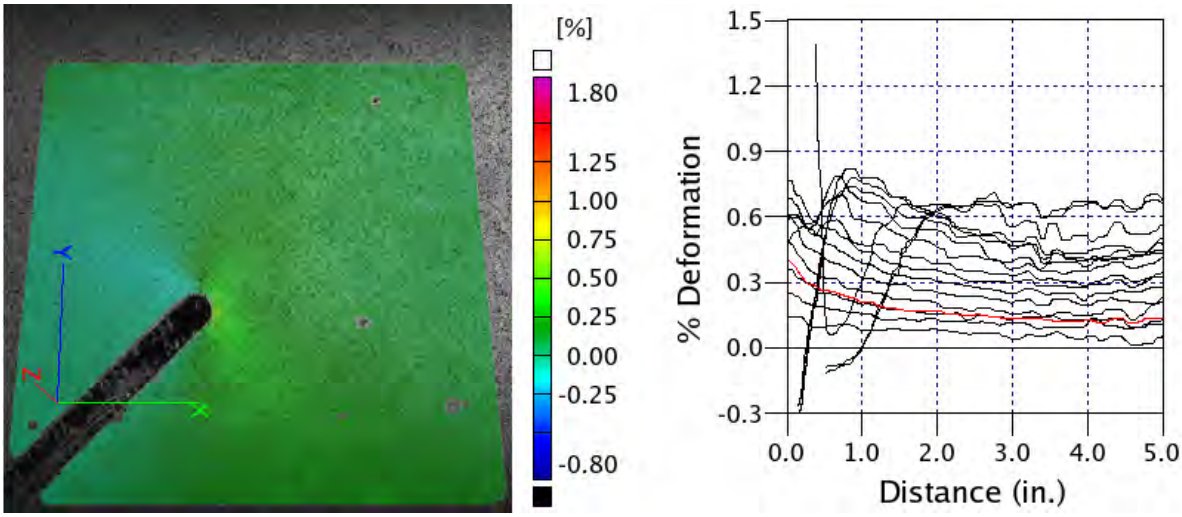


Figure C-135. CP6 RST Hoop Strain—5.4 psi, 400-lb/in. Hoop Load, 400-lb/in. Longitudinal Load

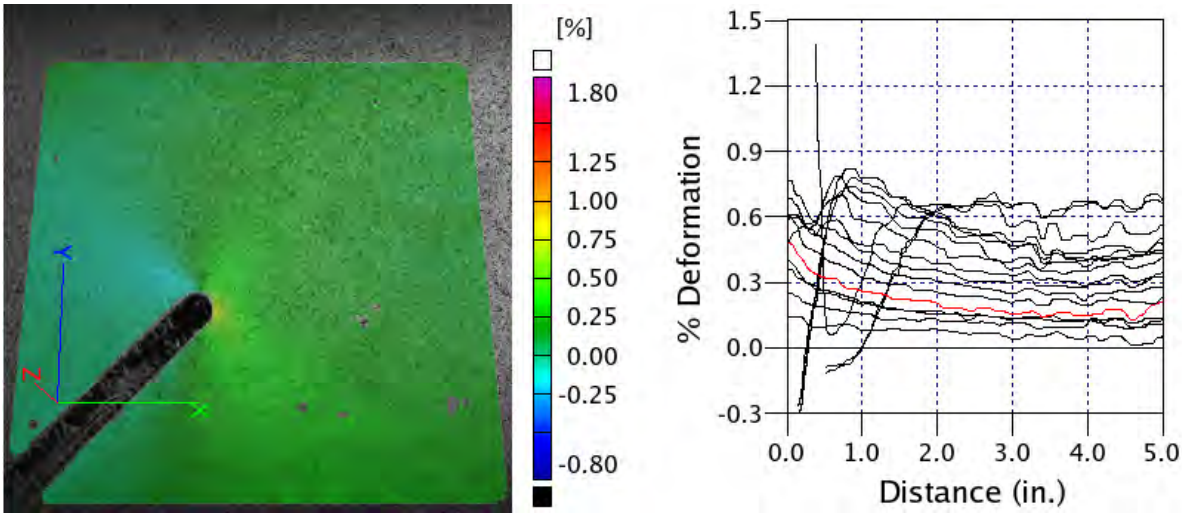


Figure C-136. CP6 RST Hoop Strain—6.8 psi, 500-lb/in. Hoop Load, 500-lb/in. Longitudinal Load

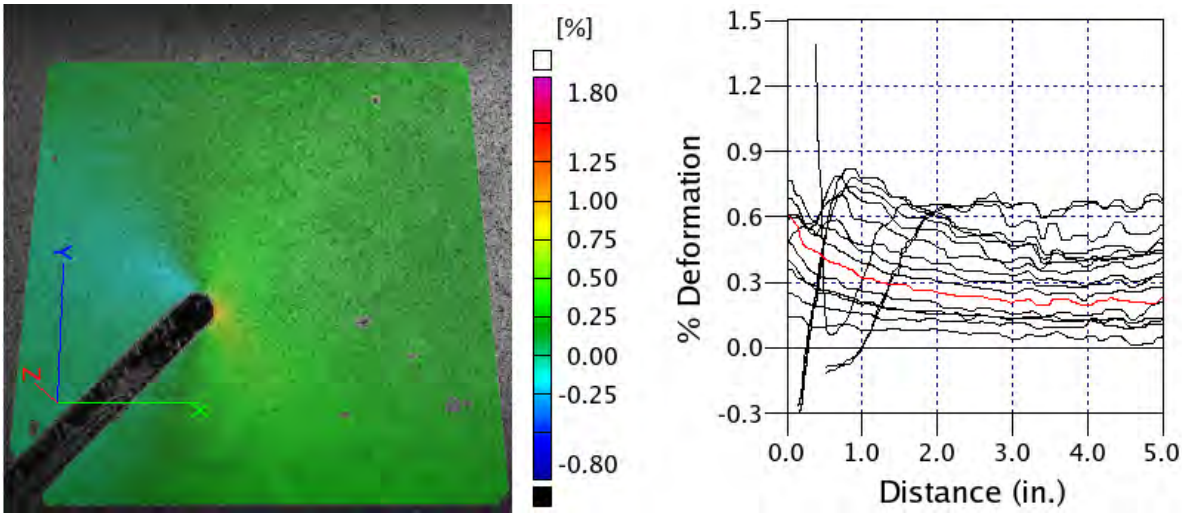


Figure C-137. CP6 RST Hoop Strain—8.1 psi, 600-lb/in. Hoop Load, 600-lb/in. Longitudinal Load

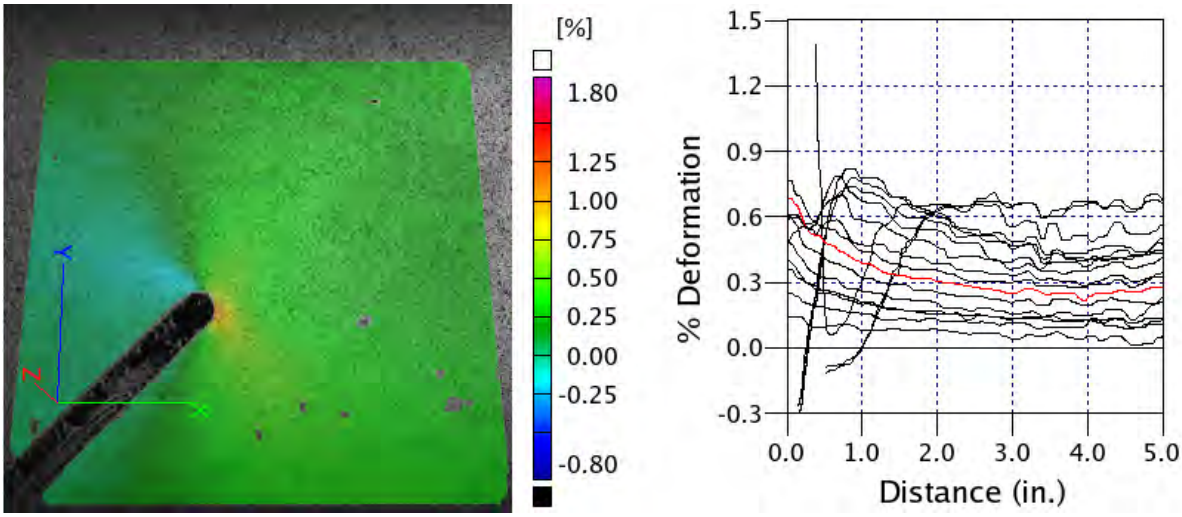


Figure C-138. CP6 RST Hoop Strain—9.5 psi, 700-lb/in. Hoop Load, 700-lb/in. Longitudinal Load

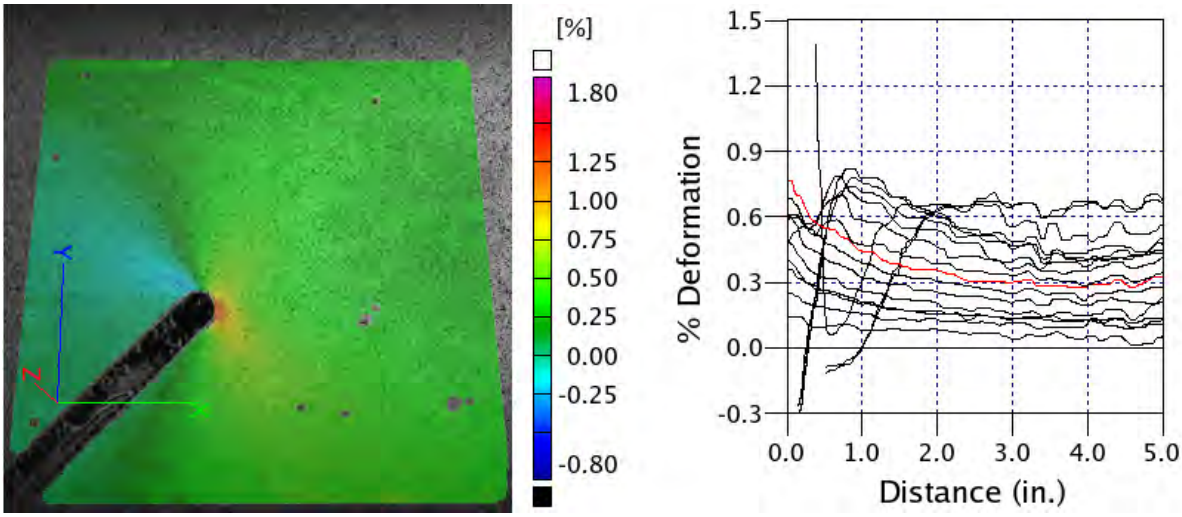


Figure C-139. CP6 RST Hoop Strain—10.8 psi, 800-lb/in. Hoop Load, 800-lb/in. Longitudinal Load

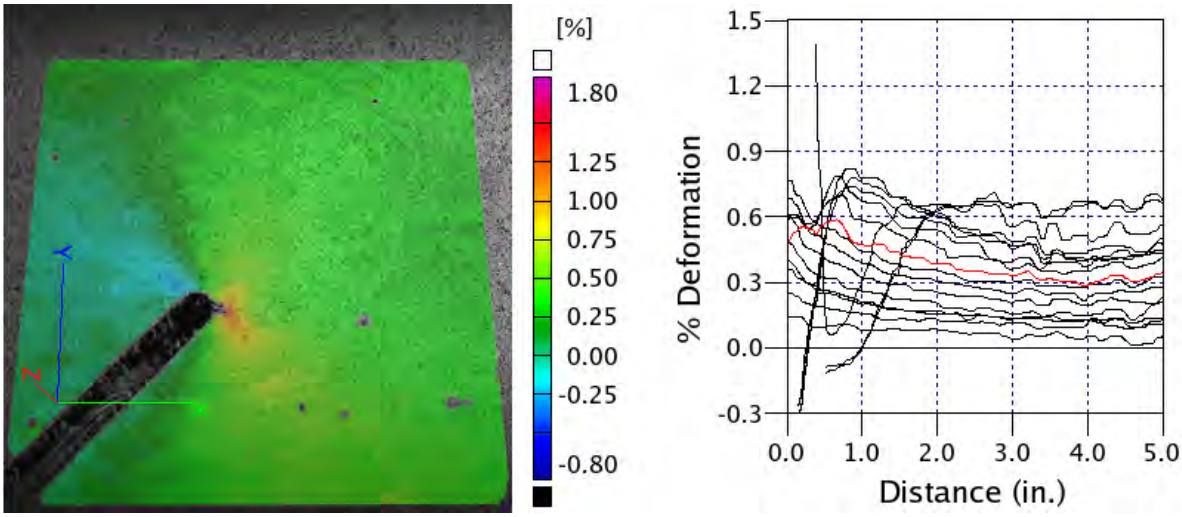


Figure C-140. CP6 RST Hoop Strain—12.2 psi, 900-lb/in. Hoop Load, 900-lb/in. Longitudinal Load

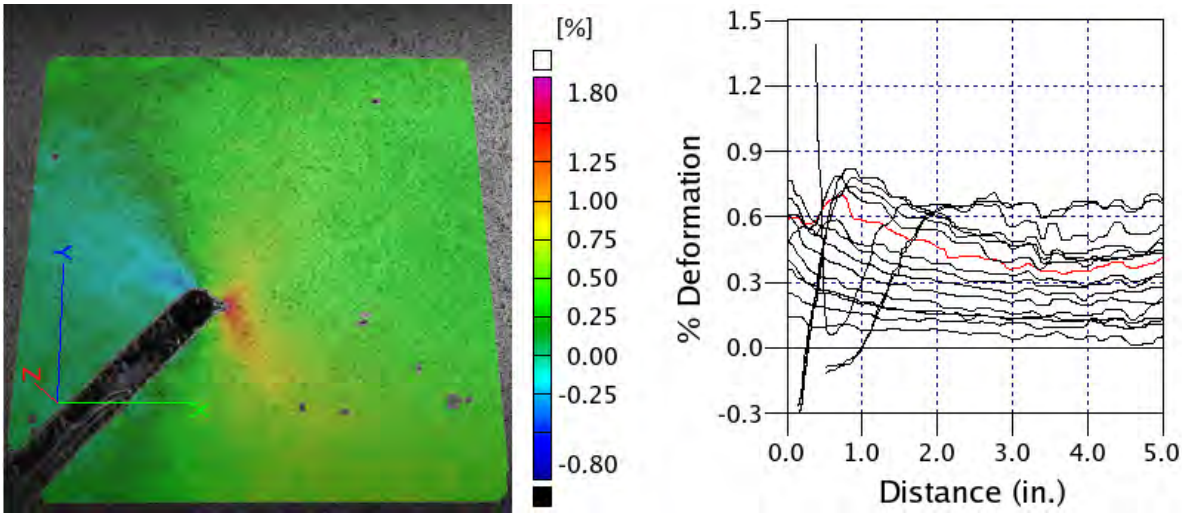


Figure C-141. CP6 RST Hoop Strain—12.2 psi, 900-lb/in. Hoop Load, 900-lb/in. Longitudinal Load

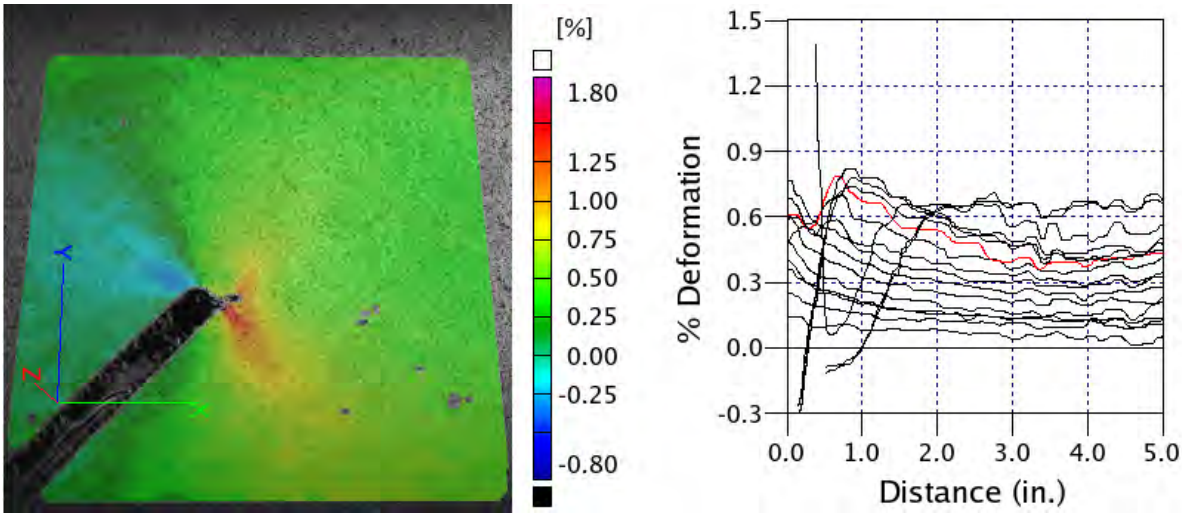


Figure C-142. CP6 RST Hoop Strain—13.5 psi, 1000-lb/in. Hoop Load, 1000-lb/in. Longitudinal Load

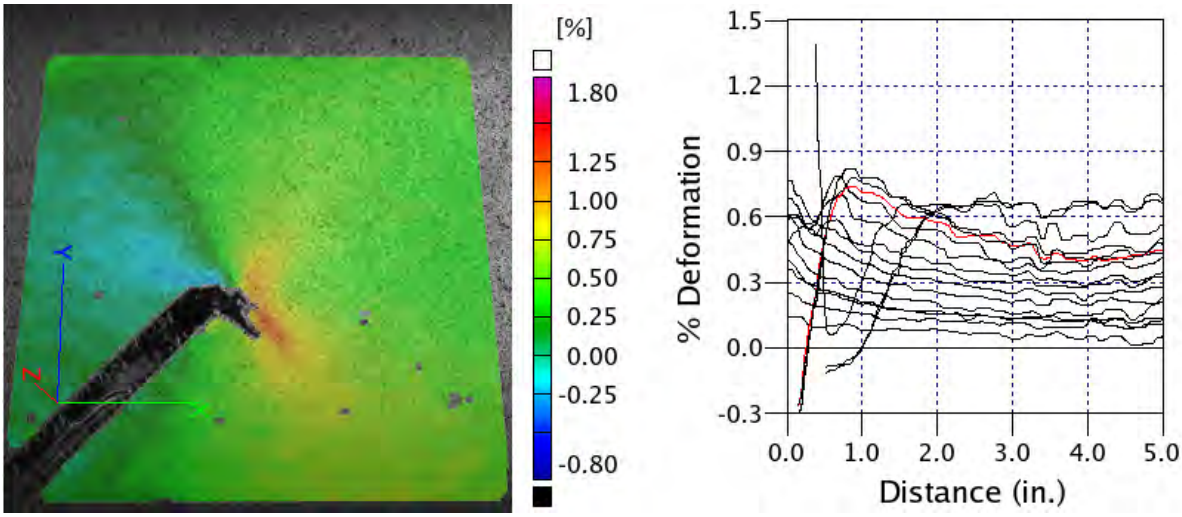


Figure C-143. CP6 RST Hoop Strain—13.5 psi, 1000-lb/in. Hoop Load, 1000-lb/in. Longitudinal Load

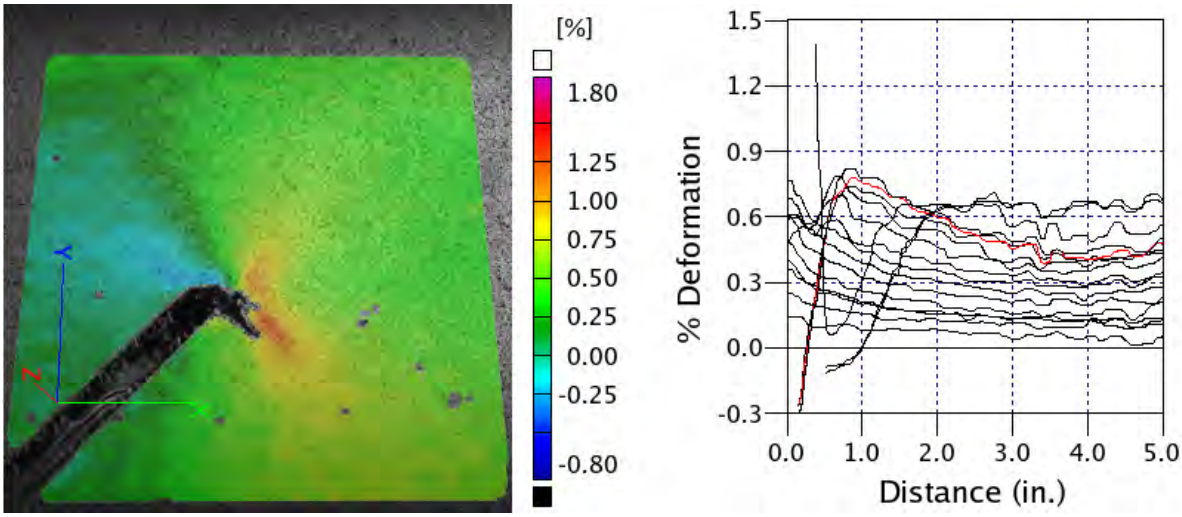


Figure C-144. CP6 RST Hoop Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

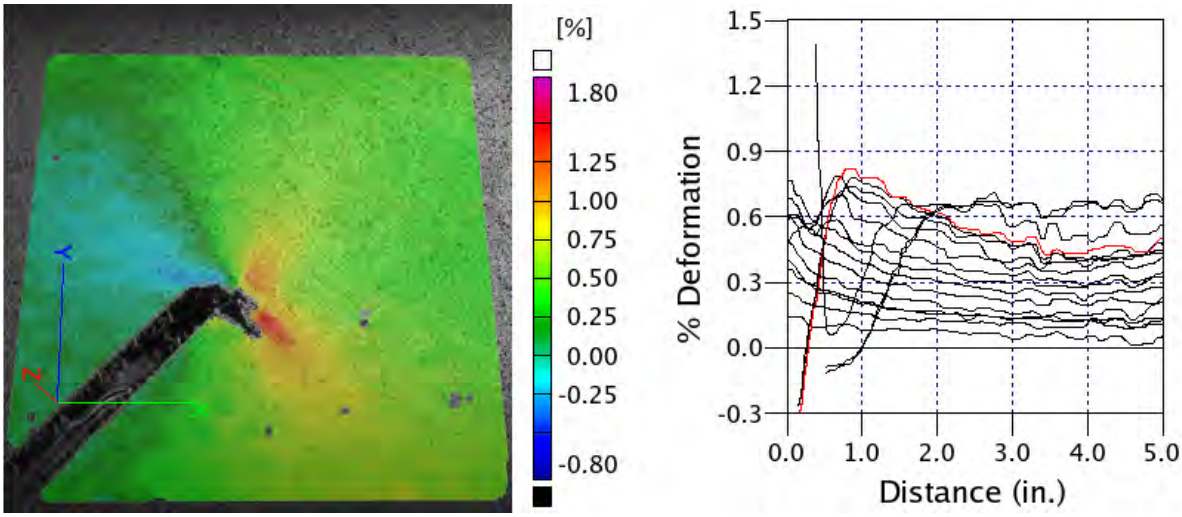


Figure C-145. CP6 RST Hoop Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

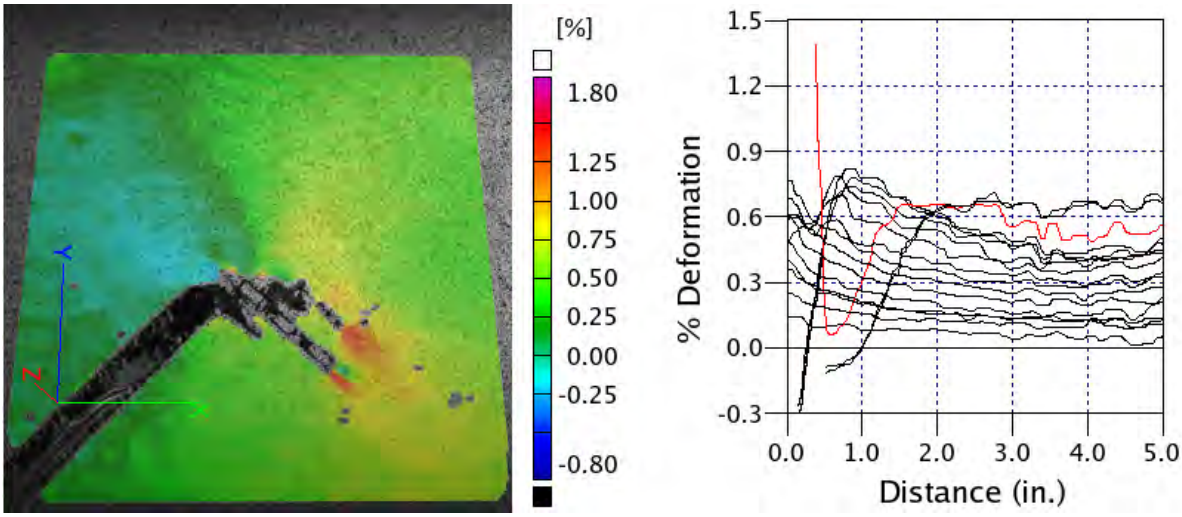


Figure C-146. CP6 RST Hoop Strain—14.9 psi, 1100-lb/in. Hoop Load, 1100-lb/in. Longitudinal Load

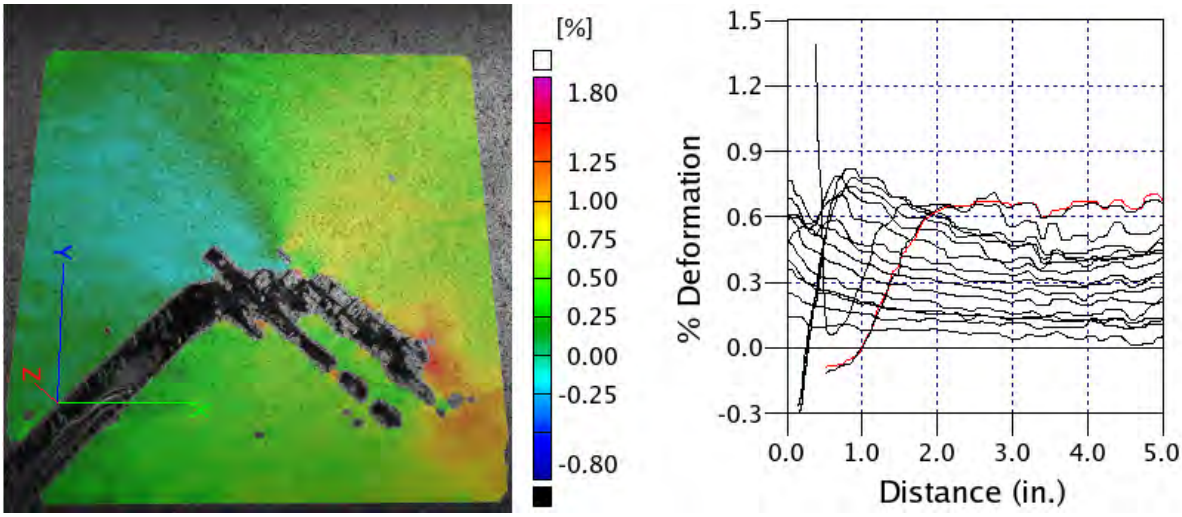


Figure C-147. CP6 RST Hoop Strain—17.6 psi, 1300-lb/in. Hoop Load, 1300-lb/in. Longitudinal Load

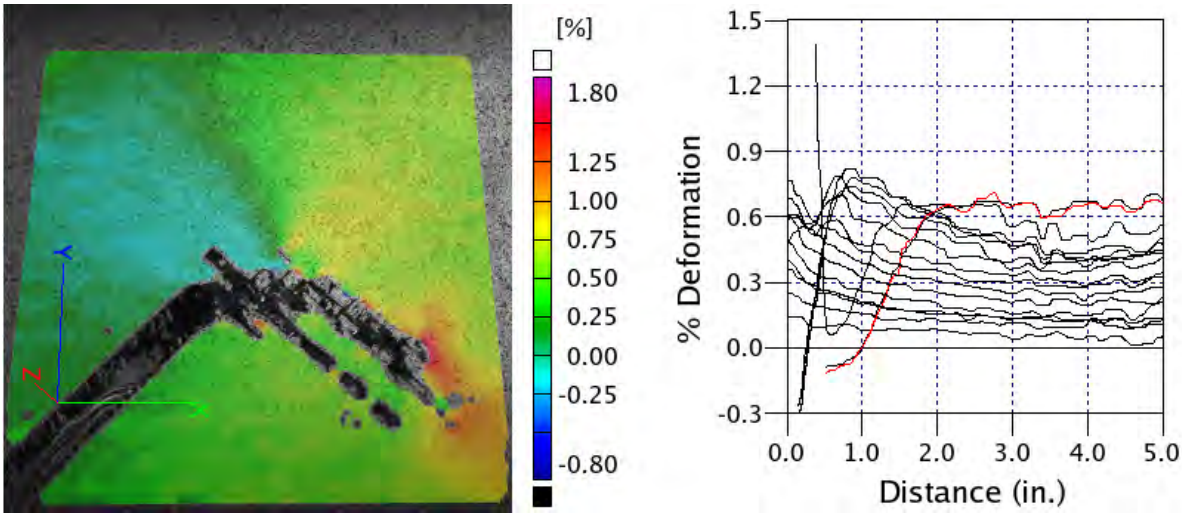


Figure C-148. CP6 RST Hoop Strain—17.6 psi, 1300-lb/in. Hoop Load, 1300-lb/in. Longitudinal Load

APPENDIX D—ANALYSIS COMPARISONS

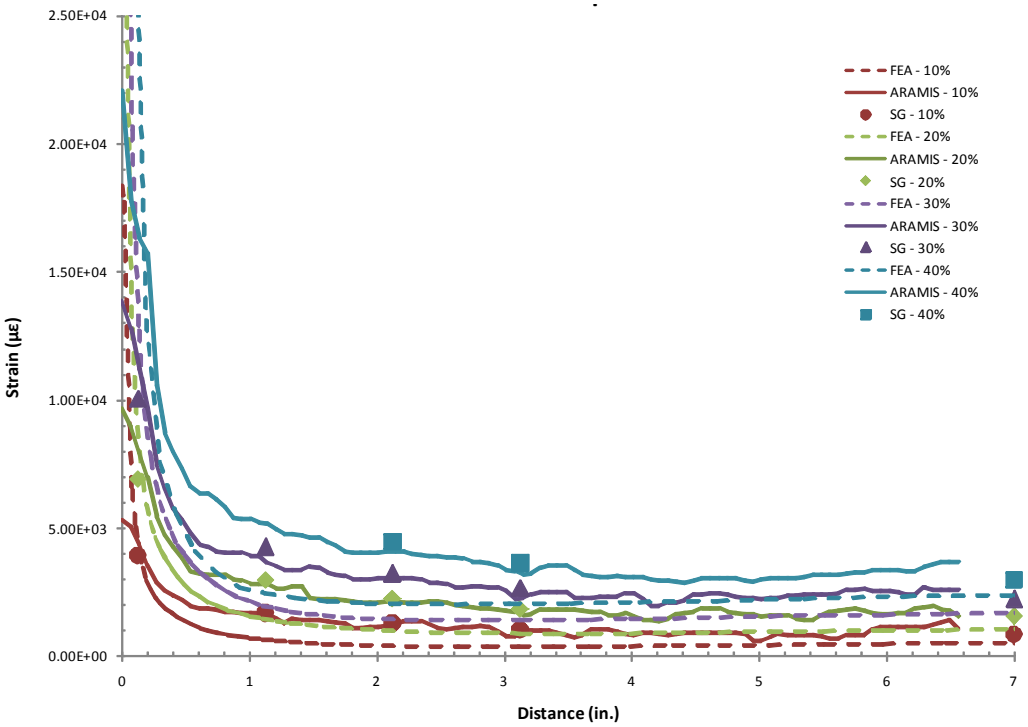


Figure D-1. CP1B RST Experimental Data and Analysis Comparison

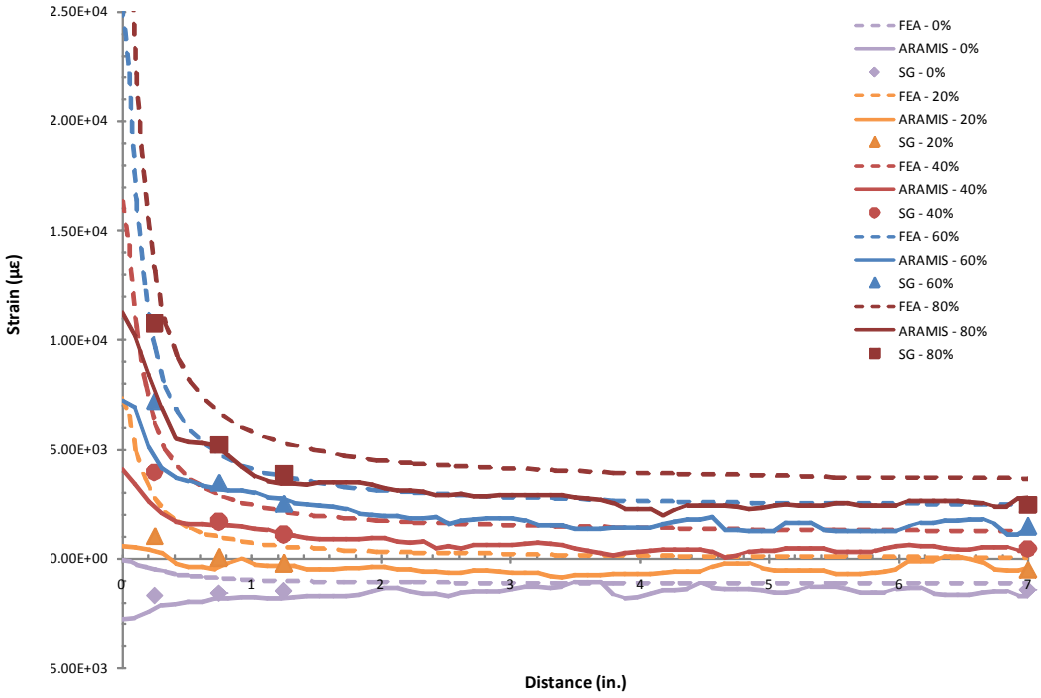


Figure D-2. CP3 RST Experimental Data and Analysis Comparison

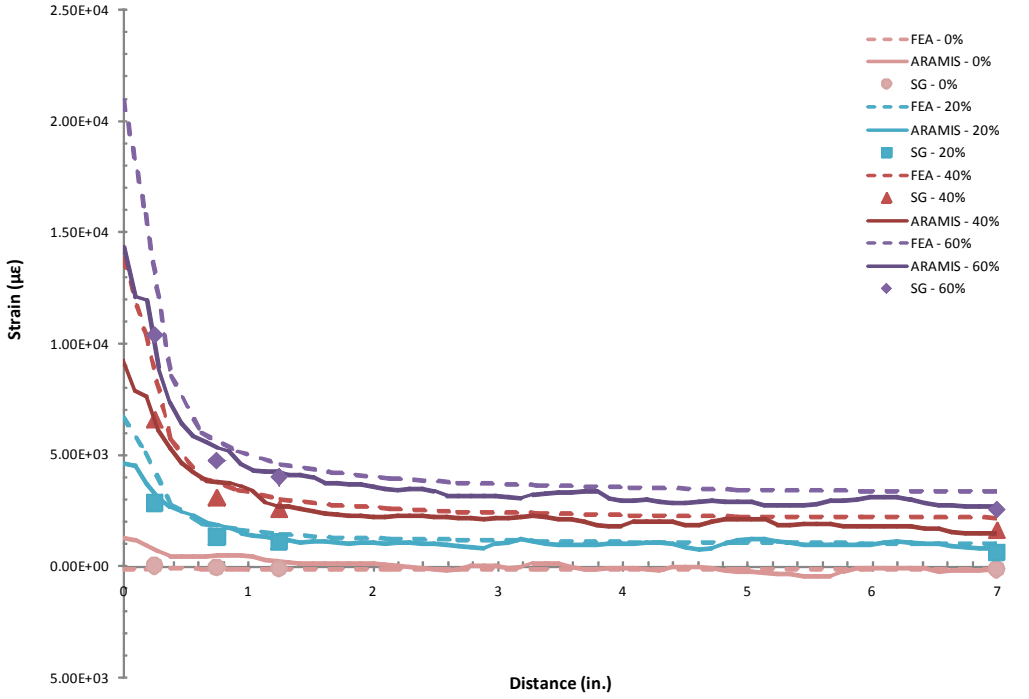


Figure D-3. CP4 RST Experimental Data and Analysis Comparison

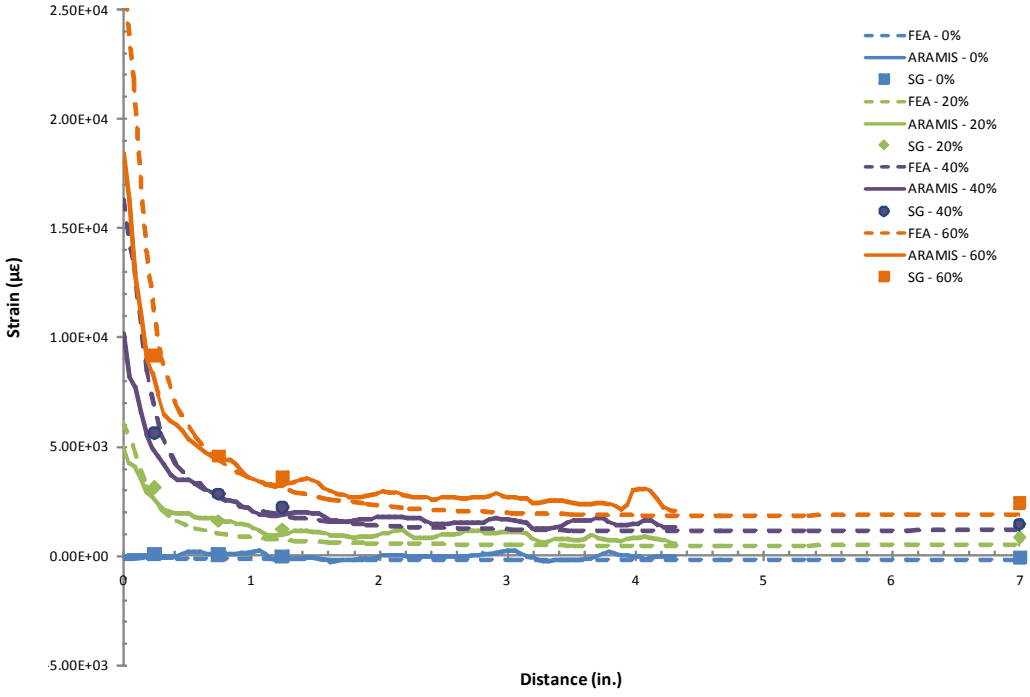


Figure D-4. CP5 RST Experimental Data and Analysis Comparison

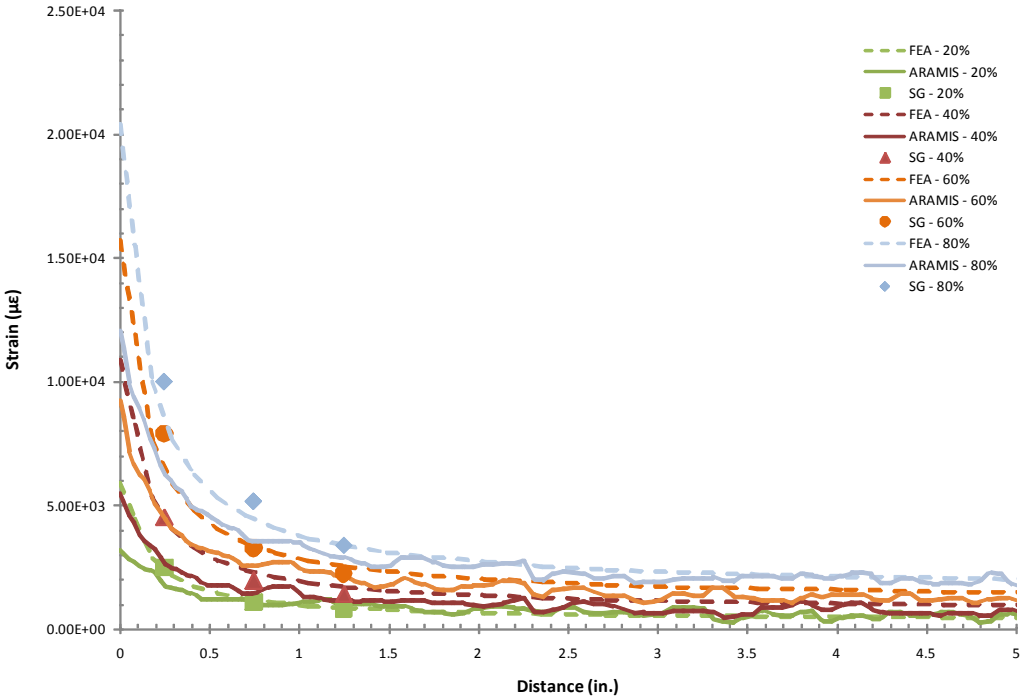


Figure D-5. CP6 RST Experimental Data and Analysis Comparison