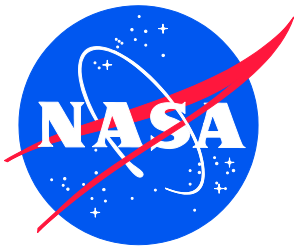
NASA/TM–2014-218533



Mars Science Laboratory (MSL) Entry, Descent, and Landing Instrumentation (MEDLI): Complete Flight Data Set

F. McNeil Cheatwood
Langley Research Center, Hampton, Virginia

Deepak Bose
Ames Research Center, Moffett Field, California

Christopher D. Karlgaard
Analytical Mechanics Associates, Inc., Hampton, Virginia

Christopher A. Kuhl
Langley Research Center, Hampton, Virginia

Jose A. Santos
Sierra Lobo, Inc., Moffett Field, California

Michael J. Wright
Ames Research Center, Moffett Field, California

October 2014

NASA STI Program . . . in Profile

Since its founding, NASA has been dedicated to the advancement of aeronautics and space science. The NASA scientific and technical information (STI) program plays a key part in helping NASA maintain this important role.

The NASA STI program operates under the auspices of the Agency Chief Information Officer. It collects, organizes, provides for archiving, and disseminates NASA's STI. The NASA STI program provides access to the NASA Aeronautics and Space Database and its public interface, the NASA Technical Report Server, thus providing one of the largest collections of aeronautical and space science STI in the world. Results are published in both non-NASA channels and by NASA in the NASA STI Report Series, which includes the following report types:

- TECHNICAL PUBLICATION. Reports of completed research or a major significant phase of research that present the results of NASA Programs and include extensive data or theoretical analysis. Includes compilations of significant scientific and technical data and information deemed to be of continuing reference value. NASA counterpart of peer-reviewed formal professional papers, but having less stringent limitations on manuscript length and extent of graphic presentations.

- TECHNICAL MEMORANDUM. Scientific and technical findings that are preliminary or of specialized interest, e.g., quick release reports, working papers, and bibliographies that contain minimal annotation. Does not contain extensive analysis.

- CONTRACTOR REPORT. Scientific and technical findings by NASA-sponsored contractors and grantees.

- CONFERENCE PUBLICATION. Collected papers from scientific and technical conferences, symposia, seminars, or other meetings sponsored or co-sponsored by NASA.

- SPECIAL PUBLICATION. Scientific, technical, or historical information from NASA programs, projects, and missions, often concerned with subjects having substantial public interest.

- TECHNICAL TRANSLATION. English-language translations of foreign scientific and technical material pertinent to NASA's mission.

Specialized services also include organizing and publishing research results, distributing specialized research announcements and feeds, providing information desk and personal search support, and enabling data exchange services.

For more information about the NASA STI program, see the following:

- Access the NASA STI program home page at *http://www.sti.nasa.gov*

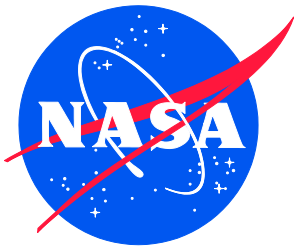
- E-mail your question to help@sti.nasa.gov

- Fax your question to the NASA STI Information Desk at 443-757-5803

- Phone the NASA STI Information Desk at 443-757-5802

- Write to:
  STI Information Desk
  NASA Center for AeroSpace Information
  7115 Standard Drive
  Hanover, MD 21076-1320

NASA/TM–2014-218533



Mars Science Laboratory (MSL) Entry, Descent, and Landing Instrumentation (MEDLI): Complete Flight Data Set

F. McNeil Cheatwood
Langley Research Center, Hampton, Virginia

Deepak Bose
Ames Research Center, Moffett Field, California

Christopher D. Karlgaard
Analytical Mechanics Associates, Inc., Hampton, Virginia

Christopher A. Kuhl
Langley Research Center, Hampton, Virginia

Jose A. Santos
Sierra Lobo, Inc., Moffett Field, California

Michael J. Wright
Ames Research Center, Moffett Field, California

National Aeronautics and
Space Administration

Langley Research Center
Hampton, Virginia 23681-2199

October 2014

Acknowledgments

The authors would like to acknowledge the following for their contributions throughout the development, implementation, flight operations, and post flight analysis of MEDLI and its data. Contributions included the development, design and analysis, fabrication and assembly, integration and testing, data analysis, advocacy, management, and funding of the MEDLI system.

Ruth Amundsen
Charles Antill
Walt Bruce
Ralph Buehrle
Cecil Burkett
Sean Commo
Larry Cowen
Ioana Cozmuta
Eric Dyke
Karl Edquist
Walt Engelund
Glenn Farnsworth
Michael Flood
Mark Frye
Joe Gasbarre
Mike Gazarik
Arthur Grepiotis
Louis Hartzheim
Art Hayhurst
Jeff Herath
Mark Hutchinson
Helen Hwang
Rick Jones
Arbi Karapetian
David Kessler
Jeffrey Knutson
Prasad Kutty
Kathryn Kuykendoll
Tom Levin
Kaitlin Liles
Alan Little
Rafael Lugo
Joe Mach
Milad Mahzari
Ed Martinez
Johnny Mau
Wade May
Michelle Munk
Tak Ng
Frank Novak
Tomo Oishi
John Pandolf
Peter Parker
Duane Pettit
Dinesh Prabhu
Ravi Prakash
Chad Rice
Dave Rosenbaum
Matt Rozek
Mark Schoenenberger
Paul Siemers
Tory Scola
Brad Sealey
Ray Seals
Dmitri Solga
Christine Szalai
Mark Thornblom
John Van Norman
Ron Verhappen
Kristian Waldorff
Mike Watkins
Todd White
Dick Winning
Henry Wright

Available from:

NASA Center for AeroSpace Information
7115 Standard Drive
Hanover, MD 21076-1320
443-757-5802

Preface

On August 6, 2012 (1:31 AM EDT), the Mars Science Laboratory (MSL) successfully traversed the atmosphere to land on Mars. But by the time the sky crane lowered the Curiosity rover to the surface, one experiment (the MSL Entry Descent and Landing (EDL) Instrumentation (MEDLI) suite) had already collected all of its data. For the entire atmospheric entry phase, from just before atmospheric interface until it was powered off approximately 10 seconds after the parachute was deployed, MEDLI monitored the entry vehicle's surface pressures and heatshield temperatures.

MEDLI delivered the first in-depth understanding of the Mars entry environments and the response of the entry vehicle to those environments. Previous Mars entry missions assessed their entry performance (vehicle drag and stability) via the observed initial states coupled with the on-board inertial measurement unit (IMU) data. This approach is devoid of environmental measurements, so total drag force cannot be decomposed into aerodynamics and atmospheric conditions. In addition, no through-thickness measurements to ascertain heatshield thermal protection system (TPS) performance were taken on previous entry missions.

MEDLI culminated decades of advocacy by the EDL community for entry vehicle instrumentation. The fate of the Genesis and Stardust sample return missions served as an impetus for this advocacy. On September 8, 2004, an incorrectly installed g-trigger did not command deployment of its drogue chute, and the Genesis capsule tumbled through the atmosphere. The plan had called for a mid-air retrieval via its slow-descent parafoil to avoid landing impact loads, but instead the parafoil did not deploy and the Genesis capsule crashed into the ground. The minimal EDL data available from Genesis also slowed the mishap investigation. Sixteen months later, on January 15, 2006, a successful Stardust return prompted the NASA Administrator to request an assessment of how the vehicle performed. Since the capsule was not instrumented, the ability to quantify vehicle stability and drag performance, as well as the heating environment and the response of the TPS to that environment, was limited. As a result, the Administrator mandated that NASA should instrument all future atmospheric entry systems.

Given the direction of the Administrator, the decision was made to instrument the heatshield of the MSL aeroshell to measure entry environments, as well as the vehicle's response to those environments. Inclusion of MEDLI on MSL occurred as a result of a number of coincident factors:

1. the Administrator's mandate,
2. an available entry system (MSL) which had heatshield ballast mass that could be replaced by the entry instrumentation system, excess power, unused volume behind the heatshield, and communications bandwidth to accommodate the experimental data, and
3. the Exploration Systems Mission Directorate and Aeronautics Research Mission Directorate willingness to fund the project from concept design through operations and data reconstruction.

The MEDLI team overcame many challenges during development and testing. Since the Project was stood up after the MSL PDR, schedule was tight. The design environments for launch and interplanetary cruise on the heatshield were extreme. The MEDLI Project team needed to demonstrate that holes in the heatshield (ports for the pressure transducers) would not compromise the heatshield's ability to protect the payload during entry. TPS instrumentation required extensive development and testing to take it from ground-test capable to spaceflight

ready. And, as an added challenge, the TPS material for MSL was changed late in the game, so that the entire MEDLI qualification process had to be repeated.

Implementation of MEDLI required close cooperation between the MEDLI team, the MSL team, and the aeroshell contractor team. Even with clearly defined interfaces, there were extensive interactions to ensure that the installation processes were understood, that the installation and operation would not compromise the MSL aeroshell, and that the operation and testing performed as intended. The MEDLI Integrated Sensor Plug (MISP) design was built upon the repair technique for the heatshield TPS. Extensive testing in arc jets was conducted to ensure the robustness of the MISP installation along with characterizing the performance of the sensors. The Mars Entry Atmospheric Data System (MEADS) required additional arc jet testing to demonstrate the structural robustness of the pressure passage through the TPS. As the MEDLI developmental and testing neared completion, MSL management announced a major design change. Due to concerns about the anticipated high heating environments, TPS materials were changed, moving from the heritage Super Lightweight Ablator (SLA) to the Phenolic Impregnated Carbon Ablator (PICA). A consequence of this change was that all of the SLA-specific testing for MISP and MEADS had to be repeated for PICA. In fact, at the time the decision to change was made, the repair technique for PICA was still under development.

In the end, the MEDLI Project team delivered a quality product that performed flawlessly. The raw data were extremely smooth with minimal fluctuations due to the painstaking calibration and characterization of the system prior to aeroshell integration. The resultant atmospheric flight trajectory reconstructions were in line with pre-flight predictions for much of the timeline. The reconstruction began to diverge from the predictions around Mach 2 where the observed dynamic pressure was below the lower calibration limit of the transducers. This region of transonic and supersonic flight is of interest for both aerodynamic performance and winds. Aerothermal data indicated that the laminar heating was higher than predicted while the turbulent heating was lower than predicted. Also, it was observed that, upon transition onset, the shift from laminar to turbulent heating levels occurred faster than anticipated. Since the MSL heatshield TPS design assumption was fully turbulent across the entire heatshield, the faster transition from laminar to turbulent heating only impacts the modeling methods. These results will likely impact future TPS margin policy, with the ability to potentially reduce heatshield TPS thickness. Still, the discrepancies between observations and predictions illustrate the need for additional data from future missions to better understand the physics of atmospheric entry.

Table of Contents

List of Figures

List of Tables

Nomenclature

Acronyms

ADC	Analog-to-Digital Converter
ARC	Ames Research Center
ASTM	American Society for Testing and Materials
BET	Best Estimated Trajectory
CFD	Computational Fluid Dynamics
CJC	Cold Junction Compensation
CMOS	Complementary Metal-Oxide Semiconductor
DIMU	Descent Inertial Measurement Unit
DPAM	Descent-stage Power and Analog Module
DPLR	Data Parallel Line Relaxation
EDL	Entry, Descent, and Landing
EFT	Exploration Flight Test
EMF	Electromagnetic Field
EV	Entry Vehicle
FADS	Flush Air Data System
FIAT	Fully Implicit Ablation and Thermal Response Program
FPGA	Field Programmable Gate Array
HEAT	Hollow aErothermal Ablation and Temperature
HEATHCHK	HEAT High Check
HEATLCHK	HEAT Low Check
HS	Heatshield
IEKF	Iterative Extended Kalman Filter
IMU	Inertial Measurement Unit
IPE	Inverse Parameter Estimation
LaRC	Langley Research Center
MEADS	Mars Entry Atmospheric Data System
MEDLI	MSL Entry Descent and Landing Instrumentation
MISP	MEDLI Integrated Sensor Plug
MSL	Mars Science Laboratory
mux	multiplexer
NIST	National Institute of Standards and Technology
OML	Outer Mold Line
PICA	Phenolic Impregnated Carbon Ablator
RCE	Rover Compute Element
RTV	Room Temperature Vulcanizing
SEADS	Shuttle Entry Air Data System
SSE	Sensor Support Electronics
TC	Thermocouple
TCBASE	thermocouple channel to measure baseline
TCR	Temperature Coefficient of Resistance
TCREF	thermocouple channel for gain verification (reference)
TPS	Thermal Protection System
WRI	Wire Rope Isolators

Symbols and Units

σ	Standard deviation
Ω	ohms
µA	micro amps
µV	micro volts
°C	Degree Celsius
A	amps
cm	centimeter
DC	direct current
g	gram
Hz	Hertz
K	Kelvin
kΩ	kilo ohms
kPa	kilopascal
m	meter
mΩ	milliohms
m/s	meters per second
min	minute
mm	millimeter
mV	millivolts
Pa	Pascal
R	resistance
s	second
V	Volt
W/cm^2	Watts per square centimeter

Abstract

The Mars Science Laboratory (MSL) entry vehicle (EV) successfully entered the Mars atmosphere and landed the Curiosity rover safely on the surface of the planet in Gale crater on August 6, 2012. MSL carried the MSL Entry, Descent, and Landing (EDL) Instrumentation (MEDLI). MEDLI delivered the first in-depth understanding of the Mars entry environments and the response of the entry vehicle to those environments. MEDLI was comprised of three major subsystems: the Mars Entry Atmospheric Data System (MEADS), the MEDLI Integrated Sensor Plugs (MISP), and the Sensor Support Electronics (SSE). MEADS consisted of seven pressure ports installed through the heatshield to acquire surface pressure data throughout the atmospheric entry phase at Mars. These port locations were selected to allow observations of the dynamic pressure, angle of attack, and angle of sideslip throughout entry. MISP consisted of seven multi-sensor plugs installed on the heatshield of MSL. Each MISP plug contained four Type-K thermocouples at varying depths plus an isotherm sensor. The thermocouples enabled observations into the TPS performance throughout the Entry and Descent phases. The SSE provided power to the sensors, conditioned their signals, and transmitted the data to storage on the Curiosity rover. Ultimately, the entire MEDLI sensor suite consisting of both MEADS and MISP provided measurements that were used for trajectory reconstruction and engineering validation of aerodynamic, atmospheric, and thermal protection system (TPS) models in addition to Earth-based systems testing procedures.

The MSL EDL trajectory, atmosphere, and aerodynamics were reconstructed from measured flight data. The three independent reconstructions are in overall good agreement, with several small anomalies that were reconciled using reasonable corrections and interpretations of the data. MEADS data matched preflight predictions within expected limits. MEADS was also able to discern evidence of a southerly cross-wind on the order of 10 to 20 m/s and an easterly tail wind of approximately 20 m/s. MISP thermocouples performed well. Onset of boundary layer transition from laminar to turbulent is evident in the abrupt change of slopes in the near surface thermocouple temperatures. Near surface thermocouples survived the heat pulse, suggesting that TPS recession did not exceed 2.54 mm from the initial surface.

All of the MEDLI flight hardware and sensors, which collected a total of 77 measurements, performed as expected, with the exception of the HEAT measurements. Uncertainties in the grounding path through the charred PICA TPS resulted in the HEAT data not being useful. Post flight testing identified the source of the uncertainties so that corrections to future implementations can be employed. The internal SSE housekeeping and health monitoring channels confirmed that the SSE was performing to the expected level of precision and accuracy, matching performance levels observed during ground calibration in the thermal vacuum chamber. There was no loss of data packets during critical EDL events, and all of the sensor readings fell within the expected (and designed) ranges with no loss of information due to off-scale readings.

1.0 Introduction

On August 6, 2012, the Mars Science Laboratory (MSL) entry vehicle (EV) successfully entered the Mars atmosphere and landed the Curiosity rover safely on the surface of the planet in Gale crater. MSL carried an instrumentation package designed to measure the aerodynamic and aerothermal environments during atmospheric entry. This instrumentation package known as the MSL Entry, Descent, and Landing (EDL) Instrumentation (MEDLI) [1-3], consisted of three major subsystems: the Mars Entry Atmospheric Data System (MEADS), the MEDLI Integrated Sensor Plugs (MISP), and the Sensor Support Electronics (SSE). The MEADS consisted of seven pressure transducers connected to flush orifices in the heatshield to measure pressures across the vehicle forebody. The MISP devices were a system of seven sets of thermocouples and recession sensors that provided aerothermal measurements of the heatshield performance. The SSE provided power to the sensors, conditioned their signals, and transmitted the data to storage on the Curiosity rover. The MEDLI sensors provided measurements that were used for trajectory reconstruction and engineering validation of aerodynamic, atmospheric, and thermal protection system (TPS) models in addition to Earth-based systems testing procedures.

The MEADS experiment was an implementation of a Flush Air Data System (FADS). Historically, the FADS concept was conceived and developed specifically to provide air data for reconstruction through the hypersonic flight regime where a classical pitot-static probe could not survive. While limited hypersonic air data were acquired during the X-15 program using a servoed Q-Ball Air Data System [4, 5], such a concept is not compatible with blunt entry configurations. A blunt-body FADS was attempted on the Viking 1 and 2 EVs, with limited success [6]. The first successful blunt-body FADS was proposed and developed under the Orbiter Experiments Program as the Shuttle Entry Air Data System (SEADS), documented in References [7-19]. SEADS successfully flew five research/demonstration-of-concept missions on the orbiter OV-102 (*Columbia*). The development and flight success of SEADS clearly demonstrated the applicability of the FADS concept to blunt EVs across the speed range.

The MEADS science objectives were to extract dynamic pressure, angle of attack, and angle of sideslip from pressure measurements to within 2 percent and 0.5°, respectively, for freestream dynamic pressures above 850 Pa. The MEADS data were also used to estimate the Mach number, freestream density, and atmospheric winds, when combined with the on-board Inertial Measurement Unit (IMU) data. These measurements enhanced trajectory reconstruction and performance analysis, which enabled a separation of the EV aerodynamic characteristics from the atmosphere.

The MISP suite used instrumented thermal plugs embedded in the forebody Phenolic Impregnated Carbon Ablator (PICA) thermal protection system of the entry vehicle. Each instrumented plug included thermocouples at various depths and an isotherm sensor. Due to possible surface recession and material decomposition of an ablative TPS, the instrumented plugs were fabricated with the same material (PICA, in this instance) as the surrounding TPS. The in-depth locations of the thermocouples were also chosen to provide near-surface aerothermal heating as well as in-depth material response. The modular nature of an instrumented plug lent itself to separate environmental testing and qualification. The design, optimization, and performance characterization of the instrumented plug was thus performed at a smaller scale in ground facilities before installation on the flight vehicle.

The science objectives of the MISP instrumentation suite were to characterize the entry aerothermal environment and measure the performance of the TPS. MISP plugs were installed to quantify aeroheating levels in the forebody stagnation, apex, and leeside regions. The flow over the MSL heatshield during entry was predicted to undergo transition from laminar to turbulent flow. The timing and progression of the transition front was a key parameter of interest since the heating of the vehicle was predicted to increase substantially upon onset of turbulent flow. Since the vehicle flew at an angle of attack (to generate lift), the maximum heating was expected in the leeside region of the forebody (due to the extended flow running length from the stagnation point). The MISP instrumentation was designed to provide heating estimates at laminar and turbulent flow conditions on a pyrolyzing ablator with a receding surface. The in-depth thermocouples in the MISP plugs were installed to provide heat conduction and material decomposition characterization through the thickness of the TPS. An isotherm sensor, called the Hollow aErothermal Ablation and Temperature (HEAT) sensor, was embedded to measure the progression of the char interface in the material. These environmental and TPS performance parameters were used to evaluate design tools, margins policy, and overall predictive capability of models.

The flight data obtained from the MEDLI instrumentation suite addressed outstanding questions which could not be fully answered by ground testing in existing facilities. The post-flight analysis, sensor characterization, tests, and measurements were formulated to meet these objectives.

2.0 Hardware Description

2.1 MEADS Overview

MEADS consisted of seven pressure ports installed through the heatshield to acquire surface pressure data throughout the atmospheric entry phase at Mars. The MEADS pressure ports were located on the MSL heatshield in consideration of predicted forebody pressure distributions as shown in Figure 1. These port locations were selected to allow observations of the dynamic pressure, angles of attack, and sideslip throughout entry. All of the pressure ports were located a minimum of 76.2 mm from the PICA tile seams to minimize the possibility of flow disturbances at the ports. Pressure ports MEADS1 and MEADS2 were located in the stagnation region to provide a nearly direct measurement of the post-shock total pressure in the high Mach regime. Ports MEADS3, MEADS4, and MEADS5 lie on the spherical cap along the pitch plane of symmetry and were placed to take advantage of the simple geometry for angle-of-attack measurements. Additionally, MEADS4, located at the heatshield's geometric center, provided a nearly direct total pressure measurement at the low Mach regime prior to parachute deployment. The final two ports (MEADS6 and MEADS7) were located approximately 1 m to each side of the pitch plane of symmetry to measure pressure variation in the horizontal plane to estimate the angle of sideslip.

A pressure transducer was installed at each pressure port location on the internal surface of the aeroshell forebody structure as shown in Figure 2 and Figure 3. The transducers were mounted close to the locations of the pressure ports to minimize pressure lag effects. The pressure ports were bare, 2.54-mm holes drilled through the TPS material, under which an aeroshell structural pass-through and spool provided a path to a stainless-steel tube containing a strain relief loop that connected to the pressure transducer. The pressure tube length was 263.6 mm. Figure 3 shows the installed flight hardware.

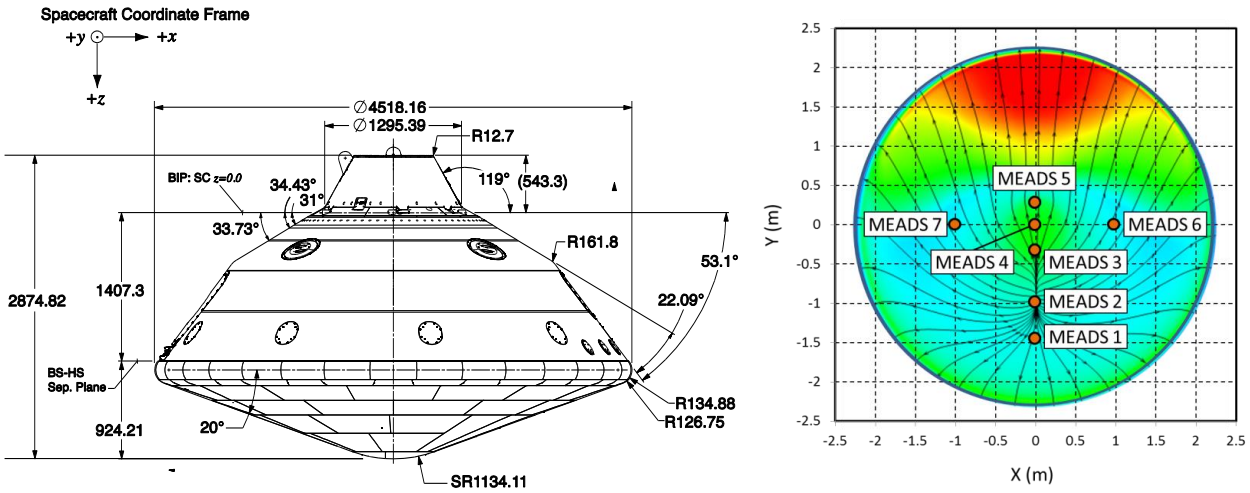


Figure 1. MSL Vehicle geometry and MEADS port locations.

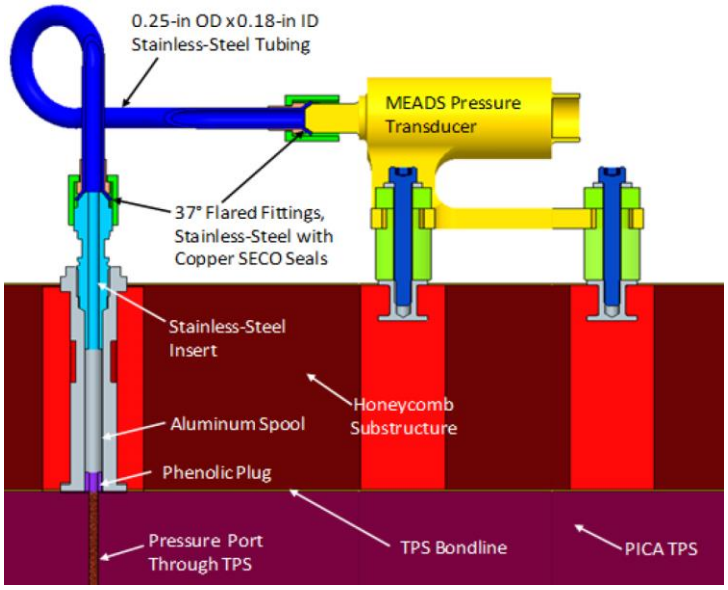


Figure 2. MEADS transducer assembly.

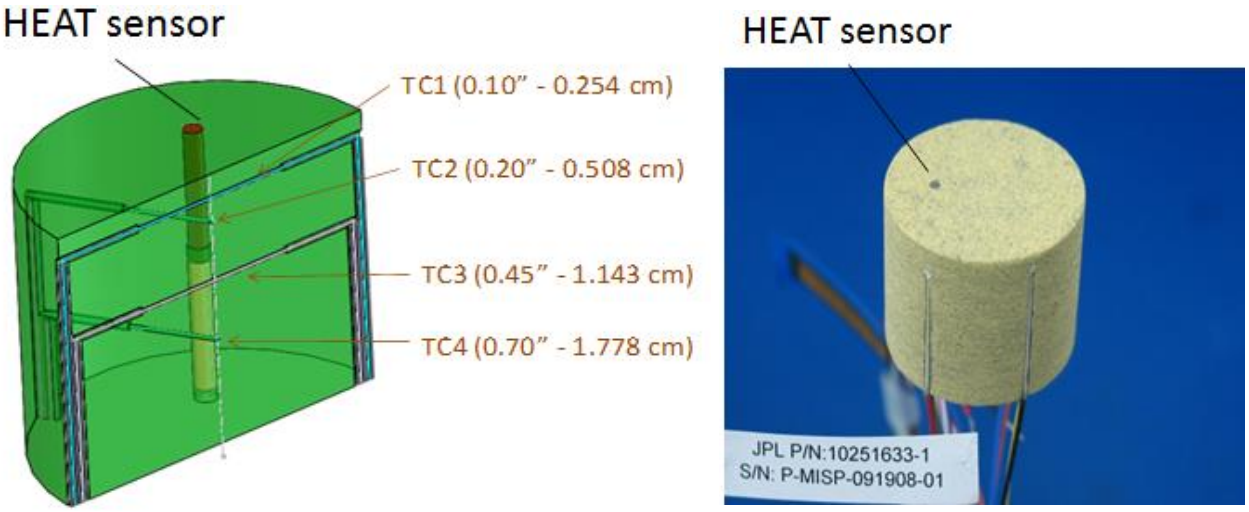
Figure 3. MEADS flight hardware installed on the MSL heatshield.

The MEADS pressure transducers were manufactured by Stellar Technologies, Inc. based on their existing ST300-5 design. The physical dimensions of the transducers were constrained to 89 × 63.5 × 50.8 mm, including the customized mounting foot. The as-built transducer masses averaged 305.1 g. The transducers used a thin metal diaphragm instrumented with strain gages arranged in a Wheatstone bridge to measure pressures across the range of 0 to 34 kPa. The transducers were analog devices with an output of 0 to 10 mV with an 8-Hz sampling rate from the SSE. Each of the MEADS pressures were sampled at slightly different times within a single 8-Hz frame. Each MEADS pressure input had individual signal conditioning electronics within the SSE and was independently calibrated across the pressure and temperature ranges expected during entry. The temperatures of SSE and each MEADS transducer were measured and recorded during entry.

The MEADS transducers were calibrated with the flight SSE and flight harness in a thermal vacuum environment. The calibration was performed in series after the thermal vacuum cycling, but with the same test setup. Since the SSE and the MEADS transducers have different operating and survival temperature limits, the test setup required individual control of each type of equipment. Throughout the testing, pressure was precisely controlled with a Mensor APC 600 pressure controller system. The calibration points spanned the operating temperatures and pressures expected in flight. The largest unknown was the initial temperature of the hardware at Mars arrival. Consequently, the MEADS calibration varied the transducer temperatures between -50 to 125 °C, and varied the SSE temperatures from -3 to 60 °C. Temperature was the more time-consuming variable to control during the testing. At each point, where stable temperatures were achieved on both the MEADS transducers and the SSE, multiple pressure inputs across the full transducer range were generated. A calibration model relating pressure to voltage, MEADS transducer temperature, and SSE analog board temperature was developed to generate engineering data from the sensor outputs [20].

2.2 MISP

The MISP instrumentation is embedded in 33 mm diameter by 29 mm deep PICA cylindrical plugs. Each MISP plug contains four Type-K (chromel-alumel) thermocouples with 0.305 mm wire diameter at nominal depths of 2.54, 5.08, 11.43, and 17.78 mm from the initial surface as shown in Figure 4(a) and 4(b). The measured depths of as-installed plugs using X-ray images are given in Table 1. The uppermost thermocouples are expected to be more responsive to changes in the surface heating conditions, while the deeper thermocouples are expected to measure in-depth thermal response as heat is conducted through the thickness of the recessing and pyrolyzing material. In addition to the thermocouples, an isotherm device known as the HEAT sensor, is installed through the thickness as shown in Figure 4. A total of seven MISP plugs are installed on the heatshield. The layout of the plugs is shown in Figure 5 and their locations on the heatshield are given in Table 1. Each plug is installed on the heatshield using the room temperature vulcanizing (RTV) 560 silicone-elastomer bonding agent. MISP-1 and MISP-4 are installed in the stagnation region of the forebody while MISP-5 and MISP-7 are embedded in the apex region to capture maximum laminar heating. MISP-2, MISP-3, and MISP-6 are located in the leeside forebody to capture turbulent heating levels as this region is predicted to experience maximum heat flux. The plugs are arranged along or near the line of symmetry to capture the development and progression of the boundary layer transition front along the center streamline. MISP-2 and MISP-3 are installed slightly away from the centerline to assess asymmetric heating due to any sideslip angle.



a) Schematic of a MISP plug with four Type-K thermocouples and a HEAT sensor.

b) MISP plug made with PICA.

Figure 4. MISP plugs.

Table 1. X-ray Depths of As-Installed Thermocouples in Each MISP and Plug Locations on the Heatshield (See Figure 1 for X-Y Coordinate System)

	Thermocouple (TC) Depths				Plug Layout on Heatshield	
Plug	TC1	TC2	TC3	TC4	Y	X
	mm	mm	mm	mm	m	m
MISP1	2.65	5.09	11.49	17.87	-0.798	0.000
MISP2	2.68	5.16	11.57	17.77	1.957	-0.447
MISP3	2.61	4.91	11.59	17.60	1.957	0.442
MISP4	2.47	5.39	11.32	17.94	-1.270	0.002
MISP5	2.53	4.86			0.227	0.000
MISP6	2.73	5.15	11.67	17.66	1.240	-0.001
MISP7	2.39	4.89			0.519	0.000

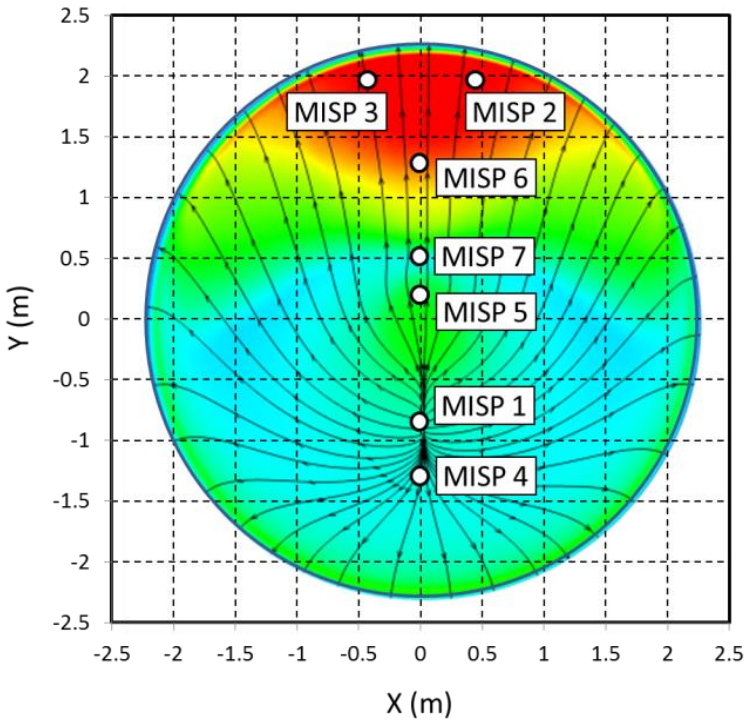


Figure 5. MISP plug layout on MSL heatshield.

2.3 SSE

The SSE conditioned, digitized, and then transmitted data from the MEDLI sensors to the Descent-stage Power and Analog Module (DPAM) on board the Curiosity rover. The SSE contained two active electronics boards, an analog board, and a digital board housed in an aluminum chassis. The analog board contained circuitry that converted sensor data into digital signals. The signal conditioning electronics for the MEADS pressure transducers were independently calibrated. The digital board contained a Field Programmable Gate Array (FPGA) that controlled the analog-to-digital conversion and the interface to the DPAM. The digital board also provided conditioning of the 28 V power provided by MSL and conversion to ±15 V, 5 V, and 2.5 V power needed by various electronics within the SSE. Externally, the SSE sampled 24 thermocouples, 6 recession sensors, and 7 analog pressure transducer inputs. Internally, the SSE sampled 40 housekeeping measurements, consisting of power supply voltages, reference checks to verify proper operation of the various electronic circuits, and various temperature measurements inside the SSE chassis. The TCBASE channels simulated a grounded (nulled) thermocouple channel (using the same pre-conditioning filters as the external MISP thermocouples). This channel verified the baseline of the thermocouple signal conditioning. The TCREF channels were coupled to a precision 30mV DC (direct current) reference. This channel verified the gain of the thermocouple signal conditioning. All four TCBASE and four TCREF meausrements were sampled at 1 Hz. Table 2 summarizes the 77 SSE measurements.

Table 2. MEDLI SSE and Sensor Channels

Channel Name	ID #	Sample Rate (Hz)	SSE or Sensor	Brief Channel Description
SSE Onboard Measurements				
T_AnaBd	65	1	SSE	ADC Temperature (Analog Board)
T_PSCGnd	66	1	SSE	Pressure Signal Conditioning Temp.
T_DCDC	67	1	SSE	DC/DC Converter Temperature (Digital Board)
CJC#1	62	1	SSE	CJC Temperature at SSE-J1
CJC#2	63	1	SSE	CJC Temperature at SSE-J2
CJC#3	64	1	SSE	CJC Temperature at SSE-J3
CJC_LChk	68	1	SSE	CJC Low Check (232.6 uA)
CJC_HChk	69	1	SSE	CJC High Check (413.2 uA)
SSE Power Supply Voltages				
P15VA	70	1	SSE	Positive 15 V Analog Voltage
N15VA	71	1	SSE	Negative 15 V Analog Voltage
P5VA	72	1	SSE	Positive 5 V Analog Voltage
N5VA	73	1	SSE	Negative 5 V Analog Voltage
P5VD	74	1	SSE	Positive 5 V Digital Voltage
P2.5VD	75	1	SSE	Positive 2.5 V Digital Voltage
SSE Onboard References				
RefTC1	48	1	SSE	Ref. used for MISP TC Banks #A & #B
RefTC2	49	1	SSE	Ref. used for MISP TC Banks #C & #D
RefHeat	50	1	SSE	Reference used for MISP HEAT Conditioning
RefCJC	51	1	SSE	Reference used for CJC Signal Conditioning
Ground	52	1	SSE	ADC Baseline Ref. (GNDed ADC input)
Frame	76	1	SSE	Frame Counter (14-bit unsigned)
HK_Base	77	1	SSE	Housekeeping Baseline Reference
MISP Thermocouple Bank Offset and Gain Verification				
TCBase#A	37	1	SSE	MISP TC Baseline (Bank#A)
TCBase#B	38	1	SSE	MISP TC Baseline (Bank#B)
TCBase#C	39	1	SSE	MISP TC Baseline (Bank#C)
TCBase#D	40	1	SSE	MISP TC Baseline (Bank#D)
TCRef#A	41	1	SSE	MISP TC Reference (Bank#A)
TCRef#B	42	1	SSE	MISP TC Reference (Bank#B)
TCRef#C	43	1	SSE	MISP TC Reference (Bank#C)
TCRef#D	44	1	SSE	MISP TC Reference (Bank#D)
MISP Thermocouples: Flight Data				
TC#01	1	8	Sensor	MISP TC#01 (Bank#A: Plug #1: TC #1)
TC#02	7	8	Sensor	MISP TC#02 (Bank#A: Plug #1: TC #2)
TC#03	13	8	Sensor	MISP TC#03 (Bank#A: Plug #5: TC #1)
TC#04	19	1	Sensor	MISP TC#04 (Bank#A: Plug #1: TC #3)
TC#05	23	1	Sensor	MISP TC#05 (Bank#A: Plug #1: TC #4)
TC#06	31	2	Sensor	MISP TC#06 (Bank#A: Plug #7: TC #1)
TC#07	2	8	Sensor	MISP TC#07 (Bank#B: Plug #4: TC #1)
TC#08	8	8	Sensor	MISP TC#08 (Bank#B: Plug #4: TC #2)
TC#09	14	8	Sensor	MISP TC#09 (Bank#B: Plug #5: TC #2)
TC#10	20	1	Sensor	MISP TC#10 (Bank#B: Plug #4: TC #3)
TC#11	24	1	Sensor	MISP TC#11 (Bank#B: Plug #4: TC #4)
TC#12	32	2	Sensor	MISP TC#12 (Bank#B: Plug #7: TC #2)
TC#13	3	8	Sensor	MISP TC#13 (Bank#C: Plug #2: TC #1)
TC#14	9	8	Sensor	MISP TC#14 (Bank#C: Plug #2: TC #2)
TC#15	15	8	Sensor	MISP TC#15 (Bank#C: Plug #3: TC #1)
TC#16	21	1	Sensor	MISP TC#16 (Bank#C: Plug #3: TC #3)

Channel Name	ID #	Sample Rate (Hz)	SSE or Sensor	Brief Channel Description
TC#17	25	1	Sensor	MISP TC#17 (Bank#C: Plug #3: TC #4)
TC#18	33	2	Sensor	MISP TC#18 (Bank#C: Plug #2: TC #3)
TC#19	4	8	Sensor	MISP TC#19 (Bank#D: Plug #3: TC #2)
TC#20	10	8	Sensor	MISP TC#20 (Bank#D: Plug #6: TC #1)
TC#21	16	8	Sensor	MISP TC#21 (Bank#D: Plug #6: TC #2)
TC#22	22	1	Sensor	MISP TC#22 (Bank#D: Plug #6: TC #3)
TC#23	26	1	Sensor	MISP TC#23 (Bank#D: Plug #6: TC #4)
TC#24	34	2	Sensor	MISP TC#24 (Bank#D: Plug #2: TC #4)
MISP Heat Sensors				
HeatLChk	45	1	SSE	MISP HEAT Low Check (0 ohms)
HeatHChk	46	1	SSE	MISP HEAT High Check (1500 ohms)
Heat#1	5	8	Sensor	MISP HEAT#1 (Plug #1)
Heat#2	11	8	Sensor	MISP HEAT#2 (Plug #5)
Heat#3	17	8	Sensor	MISP HEAT#3 (Plug #7)
Heat#4	27	8	Sensor	MISP HEAT#4 (Plug #2)
Heat#5	29	8	Sensor	MISP HEAT#5 (Plug #3)
Heat#6	35	8	Sensor	MISP HEAT#6 (Plug #6)
MEADS Pressure Sensors				
PresBase	47	1	SSE	MEADS Pressure Baseline Check
Press#1	6	8	Sensor	MEADS Pressure#1 (Port #1)
Press#2	12	8	Sensor	MEADS Pressure#2 (Port #2)
Press#3	18	8	Sensor	MEADS Pressure#3 (Port #3)
Press#4	28	8	Sensor	MEADS Pressure#4 (Port #4)
Press#5	30	8	Sensor	MEADS Pressure#5 (Port #5)
Press#6	36	8	Sensor	MEADS Pressure#6 (Port #6)
Press#7	53	8	Sensor	MEADS Pressure#7 (Port #7)
MEADS Thermocouple Sensors				
PTmpBase	61	1	SSE	MEADS Pressure Temp Baseline Check
PTmp#1	54	1	Sensor	MEADS Pressure Temperature #1
PTmp#2	55	1	Sensor	MEADS Pressure Temperature #2
PTmp#3	56	1	Sensor	MEADS Pressure Temperature #3
PTmp#4	57	1	Sensor	MEADS Pressure Temperature #4
PTmp#5	58	1	Sensor	MEADS Pressure Temperature #5
PTmp#6	59	1	Sensor	MEADS Pressure Temperature #6
PTmp#7	60	1	Sensor	MEADS Pressure Temperature #7

There were six temperature channels embedded within the SSE. Three channels (designated T_PSCGnd, T_DCDC, and T_AnaBd) were dedicated to monitoring the internal temperatures of the SSE electronics boards during operation. T_PSCGnd was located on the MEADS pressure transducer signal conditioning electronics (see Figure 6). T_DCDC was located on one of the two Interpoint DC/DC converters and represented the hottest location within the SSE. T_AnaBd was located on the SSE analog board and was considered the "average" temperature of the SSE. T_AnaBd was used during thermal-vacuum testing to establish all dynamic calibration curves of the various SSE channels.

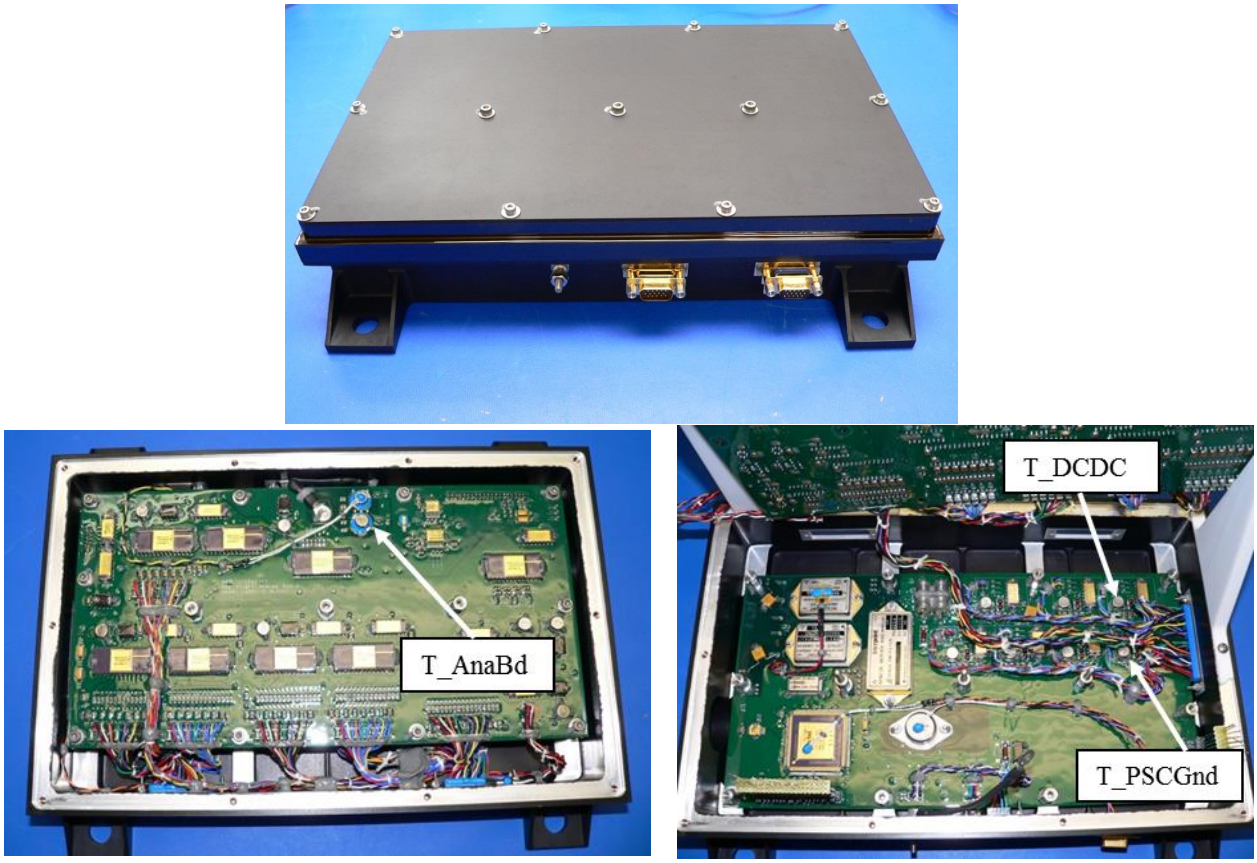


Figure 6. Internal SSE temperature locations.

The other three internal temperature measurements were placed near the connections where the MISP and MEADS sensors entered the SSE chassis. The dozens of thermocouple wires (chromel/alumel) from the MISP and MEADS subsystems connected to the SSE through three different connectors, where the wire material transitioned to copper wiring. These three connections created additional thermocouple reference junctions, the temperature of which was measured through Cold Junction Compensation (CJC) channels. CJC#1 and CJC#2 contained the MISP thermocouples, and CJC#3 contained the MEADS thermocouples. These CJC measurements were used to make corrections to the MISP and MEADS thermocouple readings.

The six temperature measurements described above were conditioned using an 8-channel complementary metal-oxide semiconductor (CMOS) analog multiplexer (mux) followed by a trans-impedance (current-to-voltage) amplifier. Two additional SSE channels were driven by fixed precision constant-current sources (one at 232.6 μA or -40.6 °C and the other at 413.2 μA or +140.1 °C) to provide two-point calibration verification (offset and gain). These channels were referred to as CJC_LCHK and CJC_HCHK respectively. The average values of these two channels during flight were 232.6 μA and 413.4 μA respectively, which matched the expected fixed constant-current sources, verifying that the CJC circuitry was performing as expected.

The MSL spacecraft provided raw 28-V power, which was protected in the SSE by a 1-A fuse. The raw power was fed into an electromagnetic interference filter, which was then coupled to two DC/DC converters: one to generate ±15-V analog power, and the other to generate the +5-V digital power. In addition, a linear regulator generated the required +2.5-V core voltage for the

FPGA. The SSE used six channels to monitor the status of these voltage levels. Voltage levels for each channel change slightly based on the temperature. Flight data for these voltages (observed average temperature of 30 °C) are compared to ground data and the requirements in Table 3.

Table 3. SSE Power Supply Voltages during Flight Compared to Expected Values

Parameter	Nominal Output	Requirement	Ground Calibration (-40 to +80 °C)	Flight Data Average (+30 °C)	Pass/ Fail?
P15VA	+15 V	+13.50 to +16.50 V	+15.055 to +15.084 V	+15.062 V	Pass
N15VA	-15 V	-16.50 to -13.50 V	-15.100 to -15.077 V	-15.100 V	Pass
P5VA	+5 V	+4.50 to +5.50 V	+4.962 to +4.977 V	+4.971 V	Pass
N5VA	-5 V	-5.50 to -4.50 V	-5.017 to -5.005 V	-5.015 V	Pass
P5VD	+5 V	+4.75 to +5.50 V	+4.997 to +5.035 V	+5.016 V	Pass
P2.5VD	+2.5 V	+2.25 to +2.75 V	+2.508 to +2.516 V	+2.510 V	Pass

Within the SSE, there were four +5-V precision voltage references used within the various subsystems. All reference voltages matched with expected values based on ground-based testing, shown in Table 4.

Table 4. SSE On-Board Reference Channels Compared to Expected Values

Parameter	Nominal Output	Requirement	Ground Calibration (-30 to +70 °C)	Flight Data Average (+30 °C)	Pass/ Fail?
RefTC1	+5 V	+4.917 to +5.084	+4.998 to +5.010	5.003 V	Pass
RefTC2	+5 V	+4.917 to +5.084	+4.998 to +5.011	5.003 V	Pass
RefHeat	+5 V	+4.917 to +5.084	+4.998 to +5.012	5.003 V	Pass
RefCJC	+5 V	+4.917 to +5.084	+4.997 to +5.012	5.003 V	Pass

HK_BASE was a grounded channel at a sub-mux upstream from the analog-to-digital converter (ADC), and GROUND was a grounded channel at the main mux just before the ADC. Both channels were used to measure any DC drifts in the signal conditioning electronics (including the ADC). Typically, these values have always been <3 counts. During flight, the average HK_BASE value was 1.07 counts, and the average GROUND value was 0.1 counts. System performance was exceptional as both of these channels fell well below the expected maximum values.

The final housekeeping parameter is the SSE FRAME counter. This 14-bit counter was reset (cleared) during the power-up sequence and simply incremented by one every second (assuming normal DPAM/SSE communications). This counter could be used to detect if an internal SSE reset (or power cycle) occurred during data acquisition. In the flight data, the initial frame counter started at 503 and ended at 1709 (note that the SSE was powered on nearly 5 hours prior to entry, so the frame counter would have rolled-over multiple times before the start of the final dataset). During flight, there were no discontinuities in the frame counts, thereby demonstrating that there were no power cycles during the entry period where the SSE was recording flight data.

The SSE was mounted on wire rope isolators (WRI) on the inside of the heatshield support structure for protection from launch vibrational loads. Figure 7 shows the fight hardware integrated to the MSL structure.

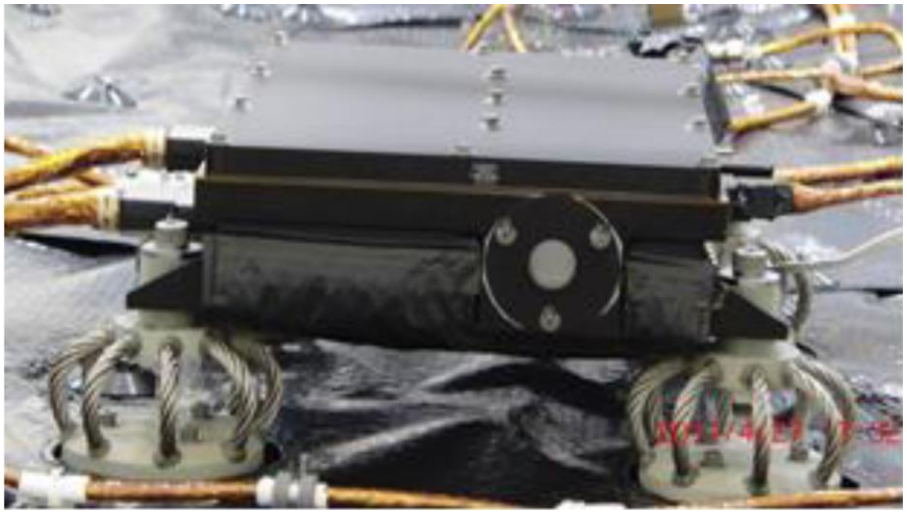


Figure 7. SSE box and WRI integrated on heatshield.

The MEDLI system was powered on approximately 5 hours prior to entry to allowing sufficient time for the electronics to reach a thermally stable temperature of approximately 30 °C. MEDLI began to acquire data approximately 10 minutes before entry, with a subset of the critical data transmitted real-time during EDL, relayed through the Mars Odyssey orbiter. MEDLI was operational until 10 seconds before heatshield separation. The full MEDLI dataset was stored in the Rover Compute Element (RCE) for transmission to Earth after landing.

3.0 MEADS PERFORMANCE

3.1 Calibration and System Error Modeling

A calibration of the MEADS flight system was conducted to compute input pressure as a function of voltage and sensor/electronics temperature. The baseline calibration approach utilized the industry standard approach, which has a long heritage and was referred to as the Traditional method by the MEADS project. This method was used with great success by the SEADS program and other FADS programs in the past. This section provides a brief overview of the calibration methodology and preflight system error modeling. Further details on the system calibration approach and error modeling can be found in [21].

3.1.1 Calibration Approach

The Traditional calibration approach, as applied to a FADS-type pressure measurement system, was composed of the collection of pressure transducer performance data and a data analysis process originally developed in support of the SEADS experiment. The calibration method acquired a set of input pressure data versus transducer output voltage at multiple temperatures to define transducer sensitivity (scale factor), non-linearity, and bias (zero offset) as a function of temperature.

The sensitivity and non-linearity data were collected by a process that used an increasing/decreasing application of pressure over the range from 68.9 to 37,921 Pa. A series of pressure versus voltage output data sets were obtained at relevant operating temperatures to define the thermal sensitivity of the pressure sensitivity and zero offset. Other performance characteristics that were determined from the calibration data set were test repeatability and pressure/temperature hysteresis. Repeatability is defined here as the amount of change of a

measured reading at the same pressure and conditions over a series of pressure cycles from zero to full-scale pressure and back to zero again. Since the pressure transducers exhibited pressure hysteresis, readings were always taken during an increase in pressure or a decrease in pressure but never a mixture of the two. This measurement strategy ensured no pressure hysteresis was introduced into repeatability measurements.

From the pressure and voltage data sets, an empirical calibration model was developed to compute pressure as a function of voltage and temperature. This calibration model consisted of a curve fit to the pressure data (consisting of a quadratic polynomial) at each temperature set point. Any repeated test points were averaged together and extrapolations were conducted, treating the transducer temperature and SSE temperature as independent variables, to create tables suitable for 2-Dimensional look-up routines to determine pressure as a function of voltage, SSE temperature, and transducer temperature. For flight data reduction, the MATLAB®-based *griddata* routine was used to perform the look-ups, using the cubic interpolation method.

3.1.2 System Error Modeling

At the MEDLI project outset, no top-down error budget was formulated to determine the hardware requirements. To meet the available schedule at the time, analysis or engineering judgment was used to identify the sources of error that were both 1) expected to contribute significantly to errors in the returned data, and 2) controllable through manufacturing. The MEADS Level 4 requirements were written to minimize uncertainties in the final data return. The hardware was then produced, calibrated, and integrated to the Level 4 requirements.

In parallel with MEADS hardware development, an error allocation was devised for the angle-of-attack and angle-of-sideslip data products. This error budget hierarchy is shown in Figure 8. The Level 2 requirement for angle-of-attack knowledge was ±0.5° 3-sigma, and is shown in the top box of the hierarchy. The contributors to the uncertainty came from the transducer assembly, the SSE, the Aeroshell manufacturing, and the system time latency. Each box lists the uncertainty requirement on that specific contributor, or the as-built value achieved, if applicable, and the error in angle of attack that results from that uncertainty. The following sections explain the analysis that produced these results.

The hierarchy for the Angle of Sideslip was identical except for the pressure transducer contribution to the errors; each of the seven transducers was unique, and sideslip took advantage of the two ports and transducers that were symmetric about the vehicle centerline.

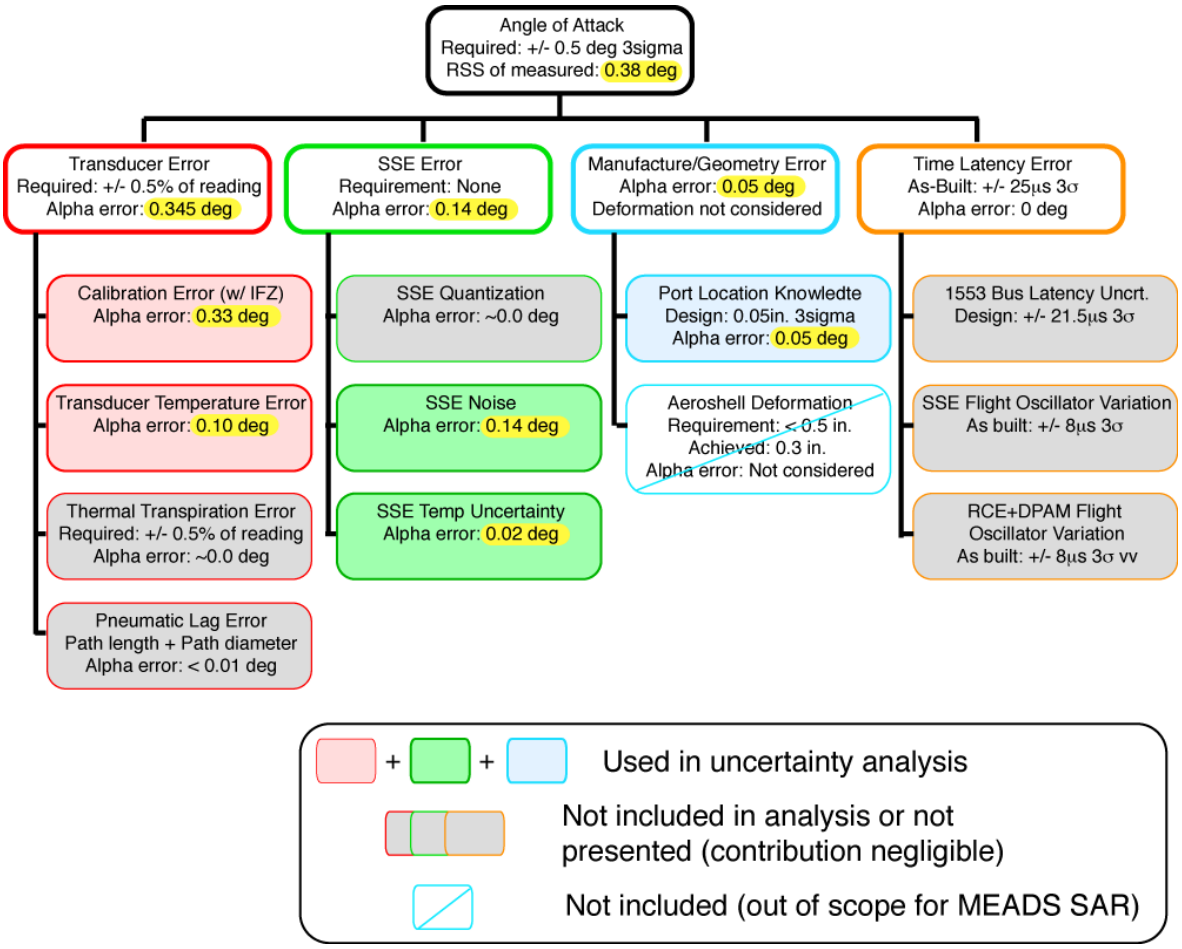


Figure 8. Angle-of-attack error budget hierarchy.

3.2 Hardware Performance

The SSE signal conditioning electronics were designed to accommodate the range of possible voltages returned from the MEADS pressure transducers, with additional room to account for temperature offsets and ADC margins. Consequently, the SSE could sample signals on the MEADS pressure circuits from -2.31 mV up to +11.09 mV. The negative voltage was to accommodate any offsets that might be present in the transducers at 0.0 Pa conditions.

SSE signal conditioning electronics for MEADS were designed for a temperature range from -200 to +200 °C. Unlike the MISP thermocouples, the MEADS thermocouples were not expected to see a significant change during flight from that of the cold soaked condition achieved during cruise to Mars. Each transducer was at a slightly different steady-state temperature at the time of entry, -80 °C to -65 °C.

3.2.1 MEADS Pressure Sensor Circuit Verification

The MEADS pressure transducers used a Wheatstone bridge circuit to measure pressure. The SSE recorded the output of this bridge (in mV). Each MEADS pressure input had its own individual signal conditioning electronics. As a result, each channel required its distinct calibration (gain and offset) coefficients.

The seven individual MEADS signal conditioning electronics were coupled to a dual 8-channel CMOS analog mux. An isolation instrument amplifier (summed with a fixed DC offset) isolated the pressure conditioning ground with the ADC analog ground. The 8th unused channel sampled a grounded (nulled) channel to provide an internal baseline (offset) verification check (PRESBASE). The difference between the actual baseline and ambient baseline was computed to determine health of the system. Differences of several counts (< ±10 counts) were normal over the expected temperature range. The ambient baseline from SSE calibration was 4413.78 counts. The average value for PRESBASE during flight was 4413.44 counts.

3.2.2 MEADS Thermocouple Circuit Verification

To assist in the MEADS pressure transducer calibration, the temperature for each transducer was required. Each pressure transducer had a Type-K thermocouple attached to the outer casing to infer the temperature of the Wheatstone bridge to allow corrections to the pressure readings to be made.

The seven MEADS pressure temperatures were coupled to a dual 8-channel CMOS analog mux followed by an isolation instrumental amplifier. The 8th unused channel sampled a grounded (nulled) channel to provide an internal baseline (offset) verification check (PTMPBASE). The difference between the actual baseline and ambient baseline was computed to determine health of the system. Differences of several counts (< ±10 counts) were normal over temperature. The ambient baseline for PTMPBASE from SSE007 calibration was 5.34 counts. The average value for PTMPBASE during flight was 3.84 counts.

3.2.3 MEADS Measurement Data

The MEADS pressures acquired during the MSL entry and descent phase are shown in Figure 9. These pressures are based on the MEADS transducer outputs and pre-flight thermal vacuum chamber calibrations. An in-flight zero was applied to remove transducer thermal drift during cruise. In general, the pressure data are clean with little noise, until the time of the entry ballast mass ejections prior to parachute deployment. These shock events introduced vibrational noise into the pressure data. These noise spikes were edited out and filled in using linear interpolation, and a 1-Hz optimal Fourier filter was applied to smooth the data. The measurements were then interpolated to the Port 4 measurement times to produce pressures with common time tags.

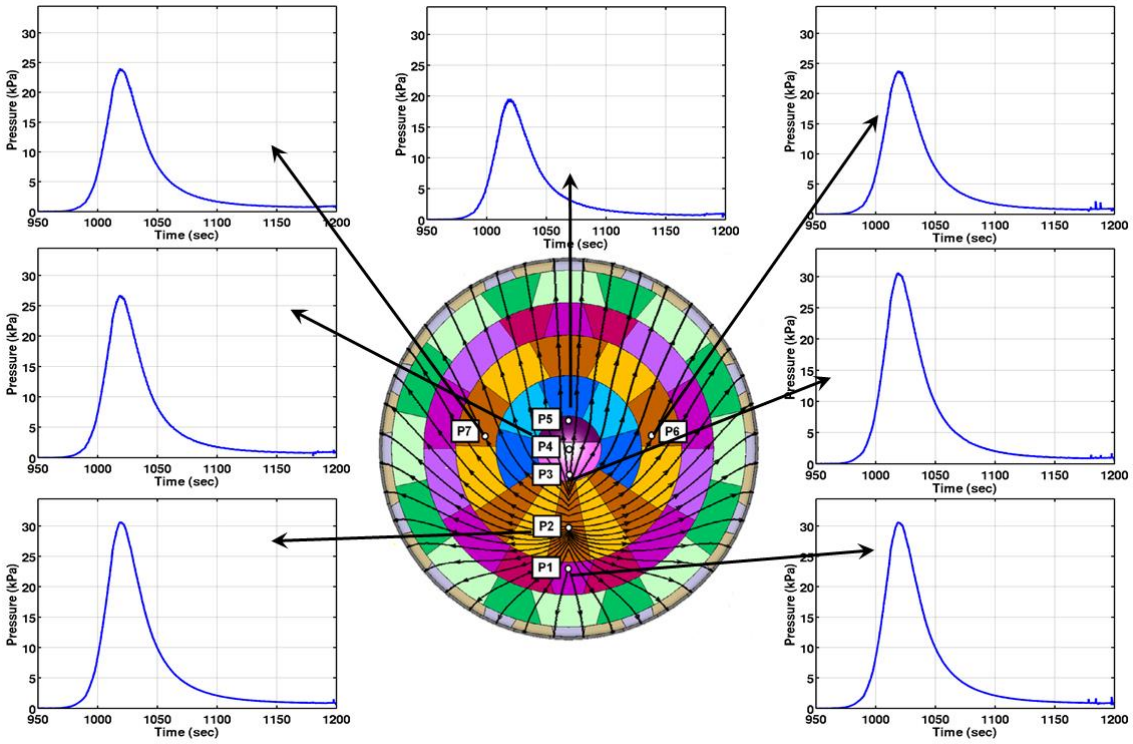


Figure 9. MEAD measurement data during MSL entry and descent phase.

3.3 Flight Data Reconstruction

3.3.1 Reconstruction Methodology

In the past, Mars lander mission teams have only had IMU-measured accelerations and body rates (in fact, Mars Pathfinder only had accelerations) from which to reconstruct their entry trajectories. Estimates of the atmosphere properties were made using the preflight aerodynamic database to separate the drag characteristics of the EV from the density of the atmosphere. Alternately, the aerodynamic performance was estimated using models of the Mars atmosphere. With the addition of surface pressure measurements, MSL could make direct measurements of the atmosphere on the vehicle, enabling the separation of capsule and atmosphere contributions to aerodynamic force and moment. Ultimately, the goal of reconstruction is to understand the path the capsule traveled, the flight performance of the vehicle, and the environment through which it flew. To help accomplish this, heritage reconstruction techniques and a new technique using the MEADS pressures, each using a different subset of the full instrumentation data, were performed prior to a Kalman filter blending of the full data set. The preliminary techniques helped assess the flight data quality as well as the preflight data sources used to design and predict the entry trajectory (atmosphere model and aerodynamic database). The final Kalman filter reconstruction benefited from the comparisons of the semi-independent assessments, where inconsistencies helped assess errors in the preflight models. A top-level flow diagram of the MSL/MEADS reconstruction effort is shown in Figure 10.

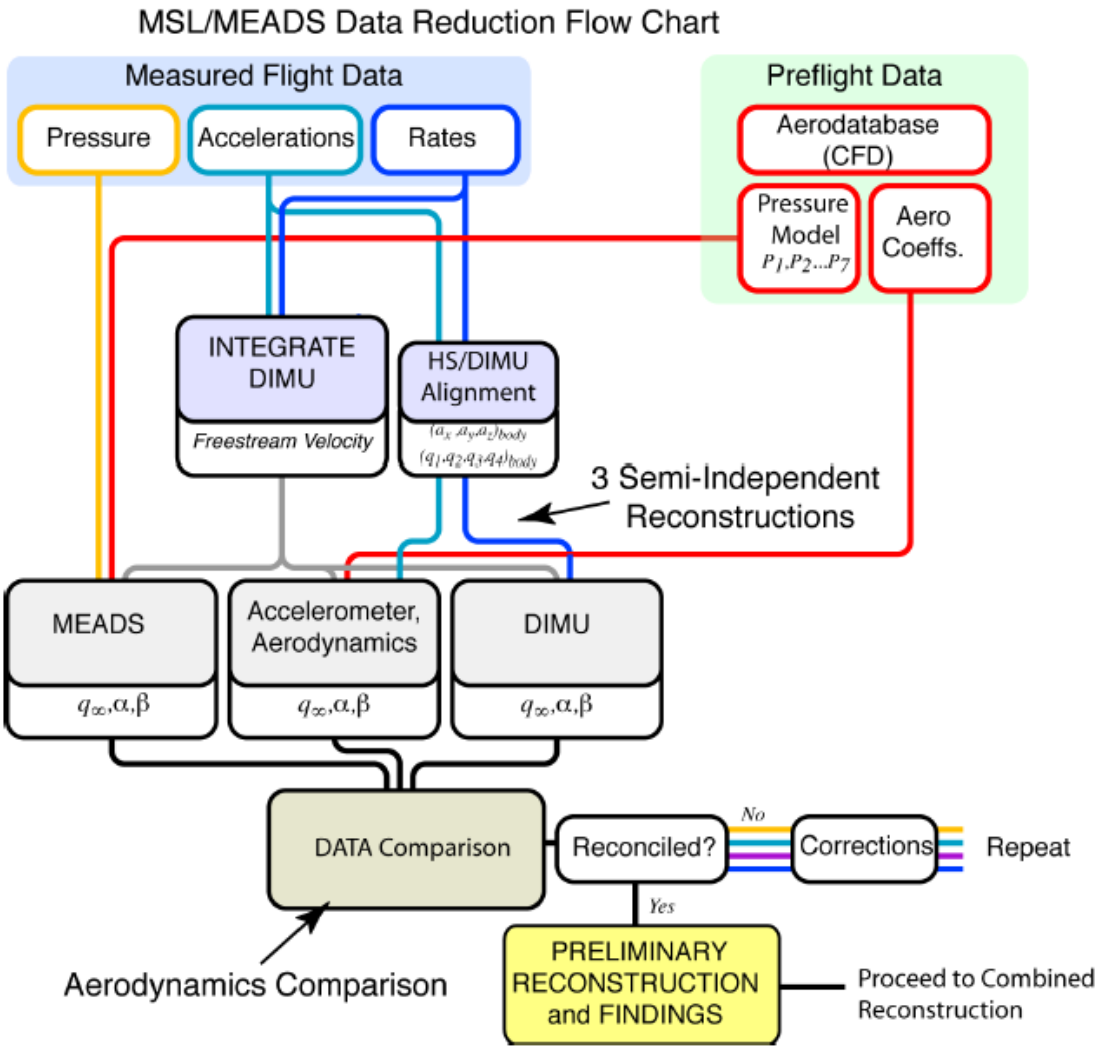


Figure 10. MSL/MEADS trajectory reconstruction process.

The three semi-independent methods included an inertial reconstruction that made use of IMU-measured accelerations and rates alone; an approach based on the vehicle aerodynamic database and sensed acceleration measurements; and a method based on the surface pressure measurements from the MEADS transducers. The first two methods have historically been the primary approaches to EDL reconstructions. The third method, based on the surface pressure measurements, has some heritage from the SEADS program, but was new for this application to Mars EDL reconstruction. One key difference between the SEADS and MEADS pressure algorithms is that the SEADS pressure models were based on modified Newtonian theory (calibrated to wind tunnel experiments), whereas the MEADS pressure models are based primarily on CFD solutions with limited experimental validation.

The Kalman filter-based trajectory reconstruction was calculated using a statistical trajectory estimation program. This trajectory estimation program was a MATLAB®-based iterative extended Kalman filter (IEKF) code that computed optimal 6-degree of freedom trajectory estimates based on all available measurement data along with uncertainty estimates [22-24]. The core data-processing algorithm consisted of a forward and backward IEKF that together, when

merged using the Fraser-Potter smoothing algorithm, formed optimal state estimates based on all available data. At a high level, the Kalman filter is a predictor/corrector algorithm in which state predictions are computed from numerical integration of the rigid-body equations of motion, and corrections to the estimate are computed from a weighted least-squares fit of state to the observed data. The forward filter processed the data in this manner starting from the initial time, propagating through all the observed data. Since the end point of the forward pass benefited from all available measurement data, but the earlier points in the trajectory benefited from data recorded only up to that time, a backward pass was implemented that propagated the state estimate back to the initial time point. These two passes were fused using the Fraser-Potter smoothing algorithm so that each data point in the trajectory was estimated from all available data. Lastly, output transformations were conducted to generate estimates of quantities of interest, such as Mach number and dynamic pressure, which were not internal state variables estimated in the Kalman filter. These transformations included uncertainty transformations that mapped the internal state uncertainties into output uncertainties. The end result of this process was the best estimated trajectory (BET).

An important feature of the Kalman filter approach is that the wind components were treated as state variables, and as such could be estimated based on the various measurement data without having to deal with the singularities that arise in application of the method proposed in Reference [25]. The Kalman filter algorithm requires a model relating the filter states to the observations. For MSL EDL reconstruction, the data sources included initial conditions, IMU accelerations and rates, MEADS pressures, terminal descent sensor range and range rate, and the landing site determination.

3.3.2 Trajectory Reconstruction Results

The MSL EDL trajectory, atmosphere, and aerodynamics have been reconstructed from measured flight data. The three independent reconstructions were in overall good agreement - after accounting for several small anomalies that were reconciled using engineering judgement and interpretations of the data. In particular, a suspected transducer hysteresis error was identified and corrected. Also, evidence of a southerly cross-wind on the order of 10 to 20 m/s was identified by reconciling differences between wind-relative and planet-relative angles of attack. Further details on the reconstruction results can be found in [26]. The reconstructed density profile based on the MEADS pressures formed part of the official as-flown reconstructed atmosphere profile [27].

The atmospheric reconstruction based on the pressure measurement data indicated 10 percent higher than nominal density at high altitudes, which is consistent with the vehicle seeing more drag force early during entry and thus triggering the early start of the vehicle guidance phase of entry. The vehicle aerodynamics were estimated from the pressure-based trajectory reconstruction solution. These results indicated a 1- to 1.5-percent high bias in the axial force coefficient during entry. Details of the aerodynamic reconstruction results can be found in Reference [28].

The overall good agreement of the independent reconstructions supported the generation of a combined reconstruction using the Kalman filter approach to blend all data sources. The findings from the Kalman filter algorithm are consistent with those of the independent methods with the additional capability to directly estimate winds from the flight data. The wind reconstruction was able to identify a north-to-south cross wind on the order of 10 m/s encountered during the third bank reversal. This finding is consistent with circumstantial evidence from the vehicle guidance

response during the bank reversal. Additionally, an easterly tail wind of approximately 20 m/s was estimated, which is consistent with the circumstantial evidence from the flight data that indicated an off-nominal time between the entry balance mass ejections and the parachute deployment (time between entry balance mass ejections and parachute deployment was longer than estimated). Results of the Kalman filter reconstruction can be found in Reference [29].

This reconstruction effort successfully demonstrated the value of adding surface pressure measurements to the reconstruction data set for Mars entry. The combination of IMU and MEADS pressures enabled a more robust and complete reconstruction of the vehicle flight performance and atmosphere. Both capsule aerodynamic coefficients and the atmospheric density were accurately estimated during entry. A wind field that agreed with reconstructed attitude history and the capsule guidance performance was also extracted. Most importantly, this reconstruction validated the models used for preflight simulations, showing that the vehicle performance and atmosphere conditions were within the preflight model uncertainties. Beyond simple validation, this reconstruction provides a rich data set for further evaluation and refinement of the MSL codes and techniques used to build the aerodynamic and atmosphere predictions.

4.0 MEDLI Integrated Sensor Plug (MISP) Performance

4.1 MISP Hardware Uncertainties

Error sources of the MISP sensor hardware are described in this section. The two primary measured quantities from a MISP sensor plug were the in-depth temperatures of the TPS material, and the time progression of an isotherm within the material. Uncertainties in these measured quantities are addressed for the following system – the MISP plug with four thermocouples and one HEAT sensor, the solid Type-K thermocouple wires, the lap solder junction transition, the stranded extension wires, the flight connector, and the SSE.

4.2 MISP Thermocouples

This section covers the uncertainty on the measurement of in-depth TPS temperature by the MISP thermocouples. An error analysis of in-depth temperature measurements in carbon phenolic for rocket nozzle applications has been carried out in the past [30]. Although the analysis described in Reference [30] was completed for Type-C (tungsten-rhenium) thermocouples, a similar approach was taken for the Type-K MISP thermocouples. Error sources in the measurement of the TPS temperature were divided into two categories: 1) errors in the thermocouple electromagnetic field (EMF) output, and 2) inaccuracies in the indicated *in situ* temperature. The first category deals with calibration of the thermocouple wire, factors that may cause shifts or deviations in the calibration, as well as data system considerations. Errors falling into the second category are attributed to the physical presence of the thermocouple and its installation within the TPS material.

4.2.1 Accuracy in Thermocouple EMF Output

Special limits of error wire: ±0.4 percent (random error)

The calibration of the Type-K MISP thermocouples was required to conform to "special limits of error" wire per ASTM E230. The vendor provided a certificate of conformance documenting that this requirement was met. The error for special limits wire is the greater of ±1.1 °C or ±0.4 percent of reading for temperatures above 0 °C, and ±2 °C or 2 percent of reading for

temperatures below 0 °C [31]. For the purpose of measuring the TPS response to within 5 percent (PS-368), the temperature range of interest was taken to be 0 °C to 1027 °C; in this case, the maximum error was ±0.4 percent × 1027 °C = ±4.1 °C. Note that this bounds the error for the below 0 °C case.

Extension wire and Connectors: ±0.75 percent (random error)

The solid core thermocouple wire exits through the heatshield structure and transitions to the stranded thermocouple grade extension wire via a soldered lap joint. The negative and positive stranded extension wires met the specifications of American National Standards Institute Category 2 Type KN (negative) and KP (positive) thermocouple grade wire, respectively. Since the extension wires were not subjected to temperatures colder than –200 °C or warmer than +200 °C, the uncertainty of ±0.75 percent of reading for standard thermocouple grade wire was applicable.

During final flight integration, it was discovered that the crimp pins were swapped on the side of the flight connector closest to the MISP—i.e., chromel pins were crimped onto the alumel wire, and alumel pins were crimped onto the chromel wire (NFR MEDLI0131N) as illustrated in Figure 11. This was the case for all of the TC's in all of the MISPs. The decision was made to accept the condition as-is and determine a worst-case impact on the measurement uncertainty. An analysis of the swapped-pin configuration showed that the error in the thermocouple output was proportional to the temperature gradient across the pins by a factor of two. Assuming a worst-case temperature gradient of 10 °C across the pins, the error was therefore ±20 °C, or ±1.9 percent of full scale. The total error for the pins, connector, and extension wire elements was thus ±2.65 percent of full scale.

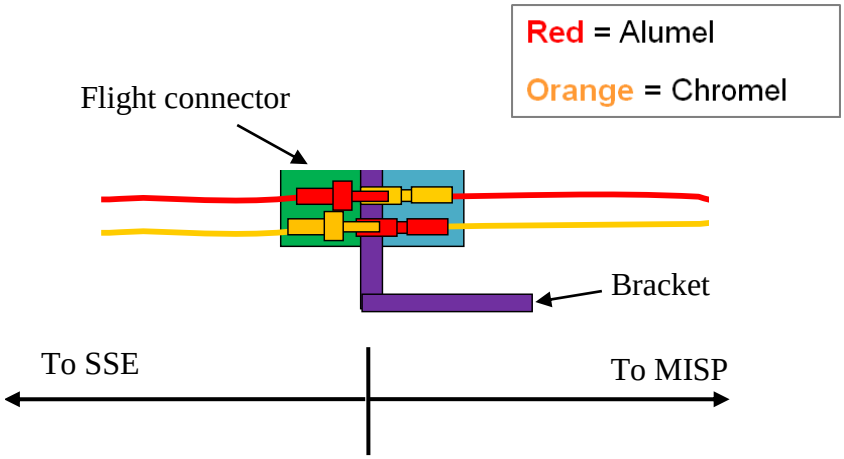


Figure 11. Schematic showing swapped MISP crimp pins.

Chemical Interaction between Thermocouple Wire and Carbon in the TPS: 0 to 1 percent (bias error)

The MISP design had bare thermocouple wires run horizontally across the diameter of the plug (land-length portion) and the wires routed down the side of the plug (after the bend) were electrically insulated with alumina tubes. Along the land length, the wire material was thus susceptible to chemical interaction with the carbon contained in PICA at high temperatures, which could possibly lead to compositional changes in the wire, which would alter the

calibration. A brief search for literature in this area revealed "carbonaceous materials attack the alumel surface more than the chromel surface [32]," although it was not clear whether this was in a carbon vapor atmosphere (more likely the case) or in direct contact with the carbon-bearing materials. It was reported [32, 33] that a "few hours' exposure at 1073 K" in a carbonaceous environment will decrease the EMF output of a chromel-alumel thermocouple by about 5 percent. Since the MISP Type-K wire was exposed to such a high temperature only on the order of tens of seconds during the entry, this effect was conservatively considered to be a maximum of 1 percent.

Transmutation effects from space radiation: ± 0.5 percent (random error)

Thermocouples exposed to neutron radiation (e.g., from cosmic rays) may undergo nuclear reactions that alter the composition of the wires (a process known as radiation transmutation), and over time, significant changes in composition may result. This was a consideration for the MISP plugs since the heatshield was exposed to the space environment prior to entry. However, the composition change for chromel wire is less than 1 percent over a 20-year period [34] and the iron content in alumel wire can increase approximately 2 percent over a 20-year period. Therefore, since the exposure of the MISP thermocouple wires was less than 1 year, the value was conservatively reported as 0.5 percent.

SSE measurement of Thermocouple Voltages: Negligible (< ±0.1 percent, random error)

The accuracy to which the SSE could determine the temperature at the thermocouple measuring junction depended on uncertainties in measurement of the thermocouple EMF output and the CJC temperature (the latter was obtained electronically with an integrated circuit chip). The uncertainty in the thermocouple EMF measurement was ±8.4 μV [35], which corresponded to ±0.2 °C, over the full range of 100 to 1300 °K (-173 to 1027 °C). This uncertainty included the conversion from voltage to temperature via an 11^{th}-order polynomial published by NIST. The error in the measurement of the CJC temperature was estimated at ±0.3 °C, which gave a combined error of ±0.5 °C. At full-scale output, this translated to an error of less than 0.1 percent.

4.2.2 Accuracy of Indicated In Situ Temperature

Thermal Lag and Temperature Field Disturbance: 0 to -4.5 percent (bias error)

The physical presence of the thermocouple wire within the TPS material altered the temperature distribution within the material compared to its response when the thermocouple was not present. Further, there was a lag in the measurement due to the time it takes to heat the thermocouple junction to generate an EMF output. This problem was studied in MEDLI document number MEDLI-0180 [36]. A two-dimensional finite element model was created with surface temperature and recession rate boundary conditions. These boundary conditions were obtained from the Fully Implicit Ablation and Thermal (FIAT) response program [37] predictions of the PICA TPS response to a worst-case heating trajectory from CFD. The model computed predicted temperatures at the thermocouple locations with and without the presence of the thermocouples. With this approach, the effects of temperature disturbance and thermal lag were considered simultaneously. An error of +0 to -4.5 percent was taken from the prediction for the thermocouple closest to the surface (Fig. 8(a) in Ref. [36]).

The rationale for selecting this error band was based on the assumption that the margined worst-case heat rate trajectory for the plug at the peak heating location represented the worst-case

thermal lag and that the effect of the HEAT sensor acting as a heat source in the model due to the two-dimensional geometry (Sec. 5, Ref. [36]) was least for the nearest surface thermocouple.

The error analysis was then conducted as described in Reference [36], in a manner similar to the carbon phenolic rocket nozzle application outlined in Reference [30]. The total uncertainty contribution due to thermal lag and temperature field disturbance is given in Reference [30] as +0 to -3.5 percent for 0.127 mm diameter wire. The +0 to -4.5 percent reported here for 0.305 mm diameter MISP thermocouple wire was in-family and was thus considered the best available estimate in the absence of a three-dimensional finite element model of the MISP and/or carefully designed laboratory experiments. No margin was added to the -4.5-percent value because the analysis was considered conservative since internal decomposition was not modeled – see Reference [36] for additional details.

Electrical Shunting: 0 to -1 percent (bias error)

Due to the electrical conductivity of virgin PICA, there may also be errors in EMF output from electrical shorting of any bare wire in contact with the PICA. Reference [30] studied the effects of shunting across the two legs of the thermocouple wire by considering the electrical circuit corresponding to one thermocouple in a plug assembly. The work concluded that an accurate measurement of the thermocouple junction EMF can be achieved by encapsulating the lead wires in beryllia or alumina to prevent shunting. The effect of shunting was found to be negligible in the solution to the equations describing the circuit because the electrical resistance of the beryllia and alumina is so much higher than that of the wire. The MISP design implements alumina tubes down the side of the plug for each thermocouple wire, so shunting across the lead wires can be considered negligible.

Since the bare thermocouple wire was exposed along the land-length direction at all four depths, an electrical conduction path may be present in the vertical direction from one thermocouple to another. This effect has not been studied extensively, although an informal study was done at NASA Ames Research Center (ARC) with arc jet models containing bare wire and sheathed thermocouples [38]. Data from the two types of thermocouple designs were not compared in the paper, however, informal discussions with one of the authors revealed that the data showed that the bare wire and sheathed thermocouple sensors gave comparable results. Since no formal study existed, engineering judgment was used. The shunting error was thus estimated to be 1% at full scale (1062 °C) based on a preliminary view of the data returned from both thermocouple designs in the arc jet test described in Reference [38].

Bead Location Uncertainty: ±5.0 percent (random error)

X-rays of all flight MISP units were taken to determine the depth of the thermocouple bead to within ±0.127 mm. The temperature uncertainty corresponding to this depth uncertainty was estimated by examining the temperature profile through the thickness of the TPS. The worst-case thermal gradient through the material was assumed to occur for the thermocouple nearest the surface of the plug that experiences the greatest heating rate. Predictions of in-depth temperatures with the FIAT code for the nominal +0.127 mm, and -0.127 mm depth locations were performed with boundary conditions from the unmargined CFD design trajectory for the MSL vehicle. The deviation in temperature of the two locations from the nominal depth is shown below in Figure 12.

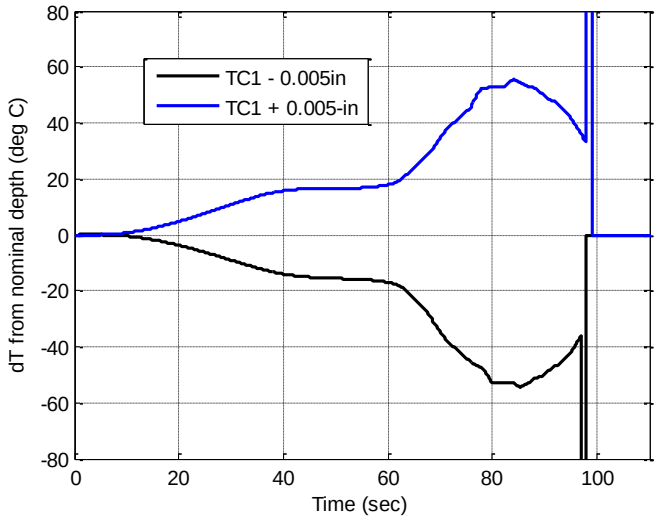


Figure 12. Temperature gradient across thermocouple channel (the spikes correspond to thermocouple burnout).

The results indicated that the temperature measured by a bead 0.127 mm away from its nominal depth may differ from the temperature measured at the nominal location by ±53 °C or ±5.0 percent at full scale.

4.3 HEAT Sensor

The HEAT sensor consisted of two Kapton®-coated platinum-tungsten (Pt-W) wires wound around a Kapton® tube. When it was heated to a sufficiently high temperature, the Kapton® charred, and an electrically conductive path was created between the two wires. A constant current source excitation allowed the loop resistance of the resulting circuit to be measured. If the HEAT sensor was installed flush with the outer mold line (OML) of a TPS material, it was assumed that an isotherm corresponding to the temperature at which the Kapton® chars could be tracked as it progressed through the material. Thus, the isotherm temperature and its depth relative to the original OML of the TPS material were the two quantities of interest for which uncertainties were needed.

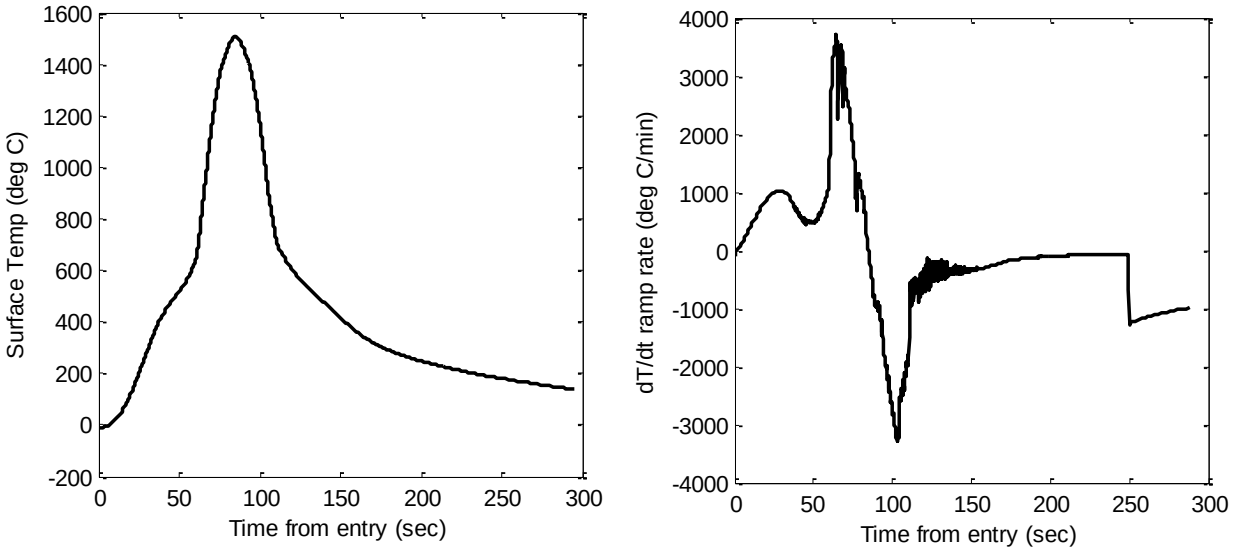
4.3.1 Isotherm Temperature: 721 ± 60 °C

Thermogravimetric analysis tests of Kapton® tube and HEAT sensor constituent samples were performed to estimate the isotherm temperature tracked by the HEAT sensor. Laboratory furnace tests of wound HEAT sensor elements were also conducted as a second means of determining the isotherm temperature [39]. These results are summarized in Reference [39], which reports an isotherm value of 696 ± 115 °C, encompassing ramp rates between 2 °C/min and 10,000 °C/min.

This uncertainty was further decreased by narrowing the range of ramp rates in a FIAT analysis. A lower bound on the ramp rate was set for a case where the OML of the heatshield reaches the isotherm temperature of the HEAT sensor at the end of the atmospheric entry (extreme case). Assuming a total entry time of 295 sec, it follows that:

$$\left(\frac{dT}{dt}\right)_{\min} \cong \frac{696°C}{(295\,\text{sec})\left(\frac{1\,\text{min}}{60\,\text{sec}}\right)} = 141°C/\text{min} \quad .$$

An upper bound on the ramp rate was taken from the FIAT predictions of the surface temperature for the MISP located at the location of peak heating on the heatshield. The boundary conditions for the FIAT simulations were taken from the MSL nominal design trajectory. The maximum ramp rate shown in Figure 13 is 3720 °C/min. Following the method described in Reference [39], Appendix D (pp. 7–9), the adjusted lower and upper values for the isotherm temperature corresponding to the lower and upper limits on the ramp rate are 662 °C and 781 °C, respectively. Expressed as an average with a bilateral uncertainty, the isotherm temperature value was thus determined to be 721 ± 60 °C.



(a) Surface temperature. (b) Rate of change of surface temperature.

Figure 13. FIAT predictions for MISP T2. Data taken from the nominal MSL design trajectory.

4.3.2 Isotherm Depth

SSE Measurement of HEAT Sensor Resistance: -0.038 mm to +0.015 mm (random error)

The SSE had a Level 4 functional requirement that stated that it should read the HEAT sensor winding resistance within ±34.5 Ω. Reference [35] shows that the uncertainty in the resistance measurement by the SSE is -2.5 Ω to +1 Ω. The smallest resistance per sensing length ratio among the flight HEAT sensors was 66.25 Ω/mm. The worst-case error contribution to the isotherm depth from resistance uncertainty was thus -0.038 to +0.015 mm, which was considered negligible.

Calculation of Sensing Length from Resistance: ±0.66 mm (random error).

The accuracy to which the HEAT sensor indicated the isotherm depth was investigated in the laboratory with a commercial laser welding system as a heat source. The results are detailed in Reference [39], Appendix A. It was shown that the random uncertainty in the isotherm depth indicated by the HEAT sensor turned out to be ±0.66 mm.

Flushness of HEAT sensor with OML of the MISP: 0 to +0.05 mm (bias error).

The MISP fabrication procedure [40] required the tip of the HEAT sensor to be flush to the surface of the MISP within -0 to +0.05 mm. The final position was measured with a feeler gage.

The protrusion of the flight MISP units relative to the OML of the flight heatshield was measured by Lockheed-Martin – the largest value was 0.05 mm.

Temperature Dependence of Pt-W Wire: +0.15 to -0.1 mm (random error)

The resistance reading from the HEAT sensor was related to the isotherm depth via:

$$z_{isotherm}(t) = L_0\left[1 - \frac{R(t)}{R_0}\right]$$

where L_0 is the original sensing length of the HEAT, R_0 is the resistance corresponding to L_0, and $R(t)$ is the resistance measurement at a given instant in time. The effect of changes in resistance due to temperature changes could thus be investigated. The laboratory furnace tests (Ref. [39], Appendix B) provided data on the change in resistance of the Pt-W wire as a function of temperature up to ~550 °C. The slope increase in normalized resistance with temperature was found to have an average value of 2.75×10^{-4}/°C $\pm$ 0.18×10^{-4}/°C for 3σ (Ref. [39], Appendix B). It was assumed that the slope remained linear up to 781 °C, which was the value for the upper limit on isotherm temperature. For a wire at a uniform temperature, the resistance was corrected with the following formula:

$$\frac{\Delta R}{R_0} = \alpha \Delta T \quad \text{or} \quad R = R_0\left[1 + \alpha\left(T - T_o\right)\right],$$

where R_0 is the resistance value corresponding to temperature T_o, α is the temperature coefficient of resistance (TCR), and R is the resistance at temperature T. Since a thermal gradient develops in time through the thickness of the TPS, a mean temperature can be used in the equation to account for the temperature distribution along the length of the HEAT sensor. The mean temperature was defined as:

$$T_{mean} = \frac{\int_0^L T dz}{\int_0^L dz} = \left(\frac{1}{L}\right)\int_0^L T dz,$$

where dz is a differential distance in the through-thickness direction of the TPS (the wire wrapped around the Kapton® tube at a given depth is assumed to be at a uniform temperature). The worst case was represented by the largest thermal gradient through the material when temperatures do not exceed the isotherm value. This occurred for the MISP at the peak heating location when the surface temperature reached the isotherm value. Data from the FIAT predictions for the nominal MSL entry trajectory were used to extract the in-depth temperature profile for this instant in time. A simple linear interpolation between the surface temperature and thermocouple locations was implemented.

Calculation of the mean temperature for the profile shown in Figure 14 yielded a change in resistance of +40 Ω, which corresponded to a change in the isotherm depth (relative to an uncorrected value) of -0.61 mm. Since this is a known bias that can be corrected, the uncertainty in this bias was treated as the contributor to the overall uncertainty in the isotherm depth. The uncertainty in each parameter in the calculation of the isotherm depth is summarized in Table 5.

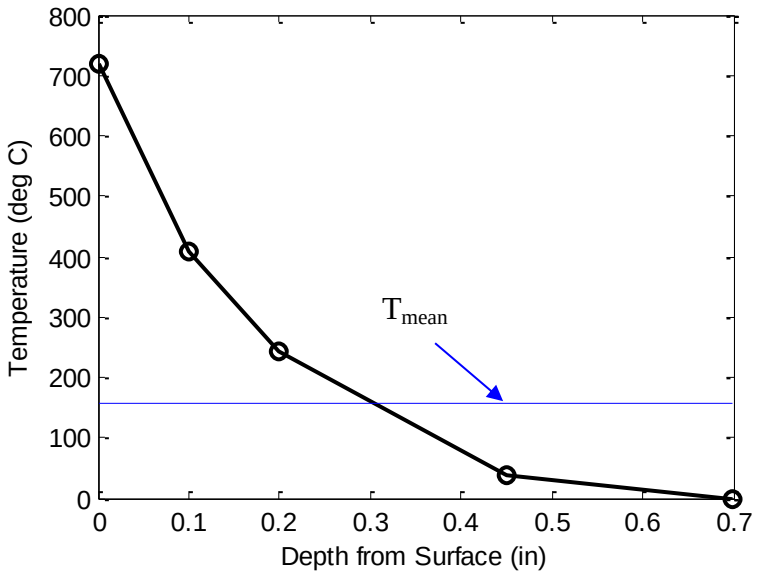


Figure 14. Linearly interpolated in-depth temperature profile from FIAT.

Table 5. Isotherm Depth Calculation Parameters

Parameter	Estimated Uncertainty in Parameter
α	±0.18e-4/°C
Isotherm value	±60 °C
Temperature at thermocouple location	-7.1% +3.1%

The corresponding change in resistance and isotherm depth for the lower and upper limits of these parameters are shown in Table 6.

Table 6. Bounding Cases for Change in Isotherm Depth

Limiting case	ΔR (Ω)	Δ(isotherm depth), mm
Minimum isotherm depth	46	-0.69
Maximum isotherm depth	35	-0.54

The deviation of these minimum and maximum isotherm depths from the nominal value of −0.61 mm presented earlier gives the uncertainty in the isotherm depth due to TCR effects:

$$U_{TCR} = \begin{cases} -0.54 - (-0.61) \\ -0.69 - (-0.61) \end{cases} = \begin{cases} +0.07\ mm \\ -0.08\ mm \end{cases}.$$

4.4 Summary of Hardware Uncertainties

The total uncertainty of a system can be expressed as the sum of two quantities – bias errors and the root sum square result of random errors

$$U_{total} = U_{\substack{\text{bias}\\\text{errors}}} \pm \sqrt{\left(\sum_i U_i^2\right)_{\substack{\text{random}\\\text{errors}}}} .$$

4.4.1 MISP Thermocouple Temperature Overall Uncertainty

Table 7 contains a summary of thermocouple error sources and their estimated worst-case value as a percent of full-scale output.

Table 7. Summary of Thermocouple Error Sources

Category	Error Source	Est. Value (%)
Accuracy of thermocouple EMF output	Special limits of wire error	±0.4
	Extension wire and connectors	±0.75
	Swapped crimp pins in flight connector	±1.9
	Chemical interaction between thermocouple and TPS material	0 to -1
	Space radiation	±0.5
	SSE measurement of thermocouple EMF	< ±0.1
Accuracy of indicated *in situ* temperature	Thermal lag and temperature field disturbance	0 to -4.5
	Electrical shunting	0 to -1
	Bead Location Uncertainty	±5.0

Assuming that the thermal lag and temperature field disturbance error source is solely a time lag/time shift error, it can be excluded in the calculation of total uncertainty. In order for this assumption to be true, the magnitude of the thermocouple temperature measurement would have to reach the same value as that which would be attained had the thermocouple not been present in the material. The worst-case total uncertainty in the temperature measurement is thus

$$U_{total} = -1 - 1 \pm \sqrt{0.4^2 + 0.75^2 + 1.9^2 + 0.5^2 + 0.1^2 + 5^2} = \begin{cases} +3.1 \\ -7.1\% \end{cases}.$$

4.4.2 HEAT Sensor Overall Uncertainty

Table 8 presents a summary of the HEAT sensor error sources and their estimated uncertainty.

Table 8. Summary of HEAT Sensor Error Sources

Category	Error Source	Est. Value
Isotherm Temperature	Variability of isotherm temperature	± 60 °C
Isotherm Depth	SSE measurement of HEAT sensor resistance in mm	+0.015 to -0.038
	Calculation of sensing length from resistance	± 0.66 mm
	Flushness of HEAT sensor with OML of the MISP	0 to +0.05 mm
	Temperature Dependence of Pt-W Wire	+0.07 to -0.08 mm

The total uncertainty for the isotherm depth was thus:

$$U_{total} = \begin{cases} 0.05 + \sqrt{(0.015)^2 + (0.66)^2 + (0.07)^2} \\ 0.05 - \sqrt{(-0.038)^2 + (-0.66)^2 + (-0.08)^2} \end{cases} = \begin{cases} +0.71\,mm \\ -0.62\,mm \end{cases}.$$

4.4.3 Arc Jet Testing and Verification

The MISP sensor plug was tested in arc jet facilities to characterize its performance and quantify any associated uncertainties. Arc jet testing was performed in the NASA ARC Arc Jet Complex. For stagnation testing at low and moderate heat fluxes, the Aerodynamic Heating Facility and the Interaction Heating Facility were used. For shear flow, the Panel Test Facility was used. The details of testing and results are provided in Reference [41]. The primary objectives of the tests were to: a) quantify RTV fencing, b) quantify thermocouple lag, c) develop HEAT sensor isotherm correlation, and d) develop HEAT sensor and char depth correlation. It was concluded from the test data that a 0.305 mm Type-K thermocouple exhibited a 1 to 2-s thermal lag at MSL heating environments. The RTV face height around the MISP plug was found to be ~1.0 mm, which depended on the length of time the plug was exposed to the aerothermal environment. Arc jet testing also corroborated the earlier conclusion that HEAT sensor isotherm value is dependent on the heat rate. The HEAT sensor isothermal was statistically determined to be 775 °C at low values of heat flux and 875 °C at higher values of heat flux with a spread of ±80 °C. The HEAT sensor reading was also found to be an excellent predictor of the char depths that were inferred from coring, cross sectioning, and density profiling arc jet-tested models exposed to MSL-like environments.

4.5 Hardware Performance

The SSE sampled the 24 external thermocouples embedded in the MISP plugs. These were Type-K thermocouples that returned a low-level voltage based on temperature. Thermocouples were divided evenly into four banks (A through D) with each bank having an independent gain and offset calibration that converted the mV signal into digital counts (described in previous sections). When the flight data were sent to ground, the digital counts were converted back into engineering units (mV), and the conversion from mV to °C was conducted using the 9^{th}-order polynomial equation for Type-K thermocouples. The SSE was designed so that the MISP thermocouples were captured in the range of the SSE ADC. The SSE was capable of reading thermocouple measurements as low as -16.35 mV (the lowest physical reading of a Type-K thermocouple is -6.458 mV or -270 °C), and as high as approximately 54.8 mV or 1370 °C (refer to Section 4.6.1 for MISP thermocouple Flight Data Analysis).

The SSE was designed to record MISP HEAT sensors reading from 0 Ω to 1600 Ω. Converting the voltage returned from the MISP circuit into a 14-bit digital value, the resulting resolution was approximately 100 mΩ/count. Flight data from the six MISP HEAT sensors is described in Section 4.6.2.

4.5.1 MISP Thermocouple Circuit Verification

Within the SSE, the 24 MISP thermocouple signal conditioning circuits were divided into four identical banks (denoted as #A, #B, #C, and #D). Each bank contained 8-channels. Six channels were used to measure the external MISP thermocouples, one channel to measure the baseline (TCBASE), and the last channel for gain verification (TCREF). The TCBASE and TCREF were internal channels used to provide two-point calibration verification for each thermocouple bank.

The TCBASE channels simulated a grounded (nulled) thermocouple channel using the same pre-conditioning filters as the external MISP thermocouples.

All internal baseline channels (TCBASE#A, TCBASE#B, TCBASE#C, and TCBASE#B) reported expected values during flight (each approximately 4230 counts) and matched well with ground calibration results.

The channel (TCREF) measured a fixed reference (~30.12 mV) that was used to provide gain verification for MISP channels. TCREF#A returned an average reading of 30.15 mV, TCREF#B returned an average of 30.13 mV, TCREF#C returned an average of 30.16 mV, and TCREF#D returned an average of 30.15 mV during flight. All values fell within expected ranges and were consistent with ground calibration results.

4.5.2 MISP HEAT Circuit Verification

The MISP HEAT channels measured the resistance (0 to 1.6 kΩ) of the recession sensors within the MISP plugs. To measure the resistance, a 1-mA constant current source was used to excite the sensor and the corresponding voltage was then measured. In addition, two on-board fixed resistors (0 Ω and 1.50 kΩ) were also sampled to provide two-point calibration verification.

The MISP subsystem used two on-board SSE verification channels—HEATLCHK and HEATHCHK. During post-processing of the data, a running average of the HEATLCHK channel was used to dynamically compute the offset coefficient. As a result, any drifts (due to aging, radiation, etc.) were automatically compensated. HEATHCHK measured a fixed 1.50 kΩ resistance embedded in the SSE that was used to provide gain verification.

4.6 Flight Data

4.6.1 Thermocouples

The complete MEDLI dataset, stored in the rover during entry, was received a few days following the successful landing of Curiosity. Channels of raw voltages and currents were converted into thermocouple temperatures and HEAT sensor resistances. All 24 MISP temperatures and six HEAT sensor resistances as a function time were received. Four thermocouple traces were obtained for each MISP plug, except plugs 5 and 7, which did not have the two deepest thermocouples (TC3 and TC4) wired due to channel limitations. The as-received MISP temperatures are shown in Figure 15. All thermocouples performed well and their traces appear to be noise free in the scale of interest. The analysis of flight data, reconstruction of aeroheating, and thermal response model validation have been performed using the thermocouple data. Onset of boundary layer transition from laminar to turbulent is evident in the abrupt change of slopes in the near surface thermocouple temperatures at 63–65 s. It is also noteworthy that all near surface thermocouples survived the heat pulse, suggesting that TPS recession did not exceed 2.54 mm from the initial surface. Detailed aerothermal reconstruction and validation of TPS response models using the flight thermocouple data is presented elsewhere [42, 43].

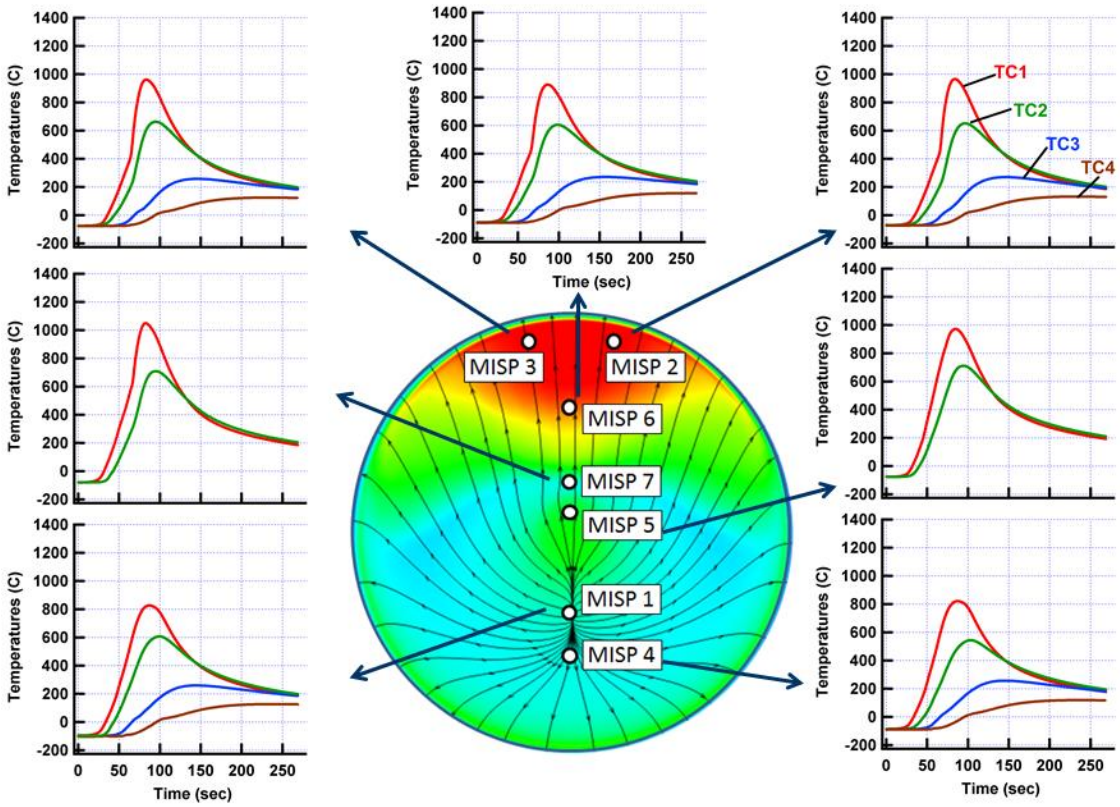


Figure 15. MISP thermocouple data obtained during MSL entry. TC1, TC2, TC3, and TC4 represent readings of thermocouples at depths shown in Table 1.

4.6.2 HEAT

The HEAT sensors in flight showed unexpected and anomalous behavior. The HEAT sensors were expected to show a monotonically decreasing resistance in time over the heat pulse as observed in development and certification testing in the arc jet. The decreasing resistance was expected to continue until the maximum in-depth temperature was reached. The flight data, presented in Figure 16, instead showed a noisy and abrupt drop in the HEAT sensor resistance and quickly reached its terminal value. The cause of this unusual transient response was investigated through a post-flight arc jet test and testing of the SSE (Engineering Development Unit). The post-flight testing exhibited a response similar to the flight data. The general conclusion of the source of the anomaly was that the charred PICA provided a conductive path to the SSE ground resulting in the HEAT resistance being half of what it was intended to be. The final resolution of the HEAT flight data anomaly will be documented in a future report. The terminal steady-state value is also being evaluated for quality. An unusual steady state-drop out in MISP7 data indicates a possible anomaly.

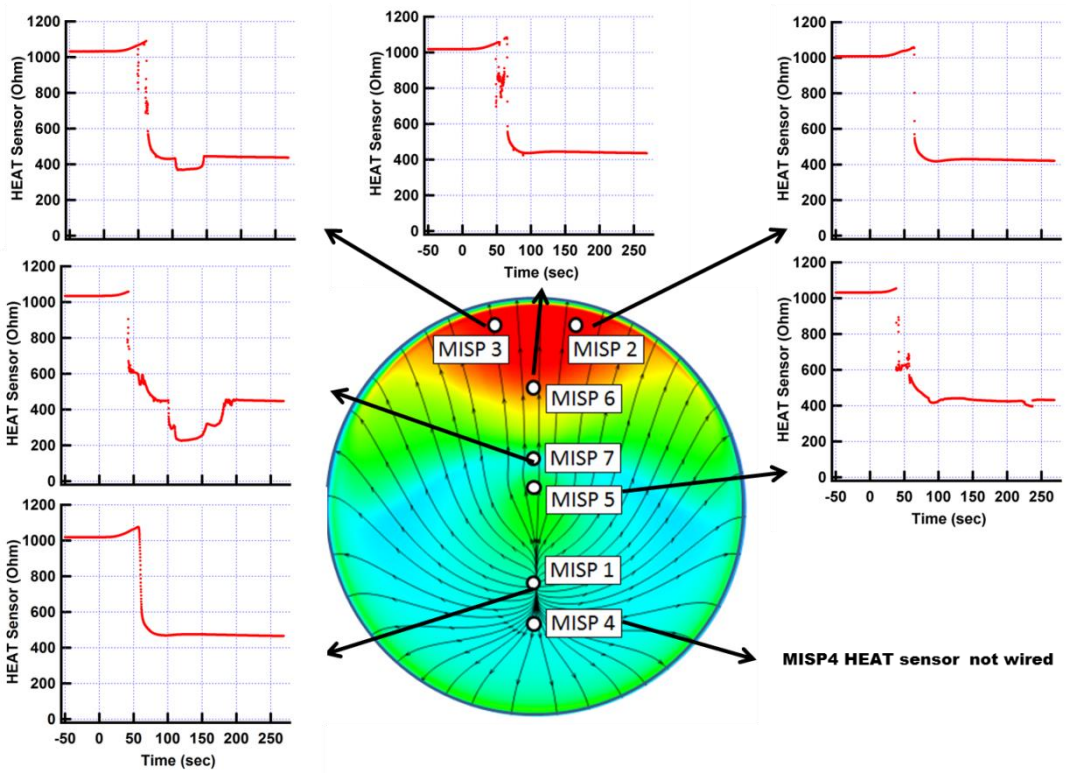


Figure 16. MISP HEAT sensor data obtained during MSL entry. MISP4 HEAT sensor not wired due to limitation of number of channels.

4.7 Model Validation and Reconstruction

The model validation and reconstruction of aerothermal environment and TPS response was performed via different approaches. A direct analysis was performed where nominal predictions from an aerothermal CFD code, Data Parallel Line Relaxation (DPLR), were used to make predictions of in-depth temperatures using a material response code (FIAT). This analysis, however, was contrived by applying the knowledge of low recession and exact boundary layer transition times that were inferred from the flight data. The detailed analysis and discussion of results are presented in Reference [42]. Figure 17 shows the comparisons of model predictions as well as the flight data. The BET was used (as described in Section 3.3 using Kalman filter blending of various data sources).

A second method of Inverse Parameter Estimation (IPE) was used to reconstruct the aerothermal environment by minimizing the difference between the system response model predictions and MISP temperature measurements. An IPE methodology has been developed specifically for MEDLI post flight analysis, and is presented in Reference [43]. The technique uses a whole time domain approach to estimate time varying heating from in-depth temperature measurements.

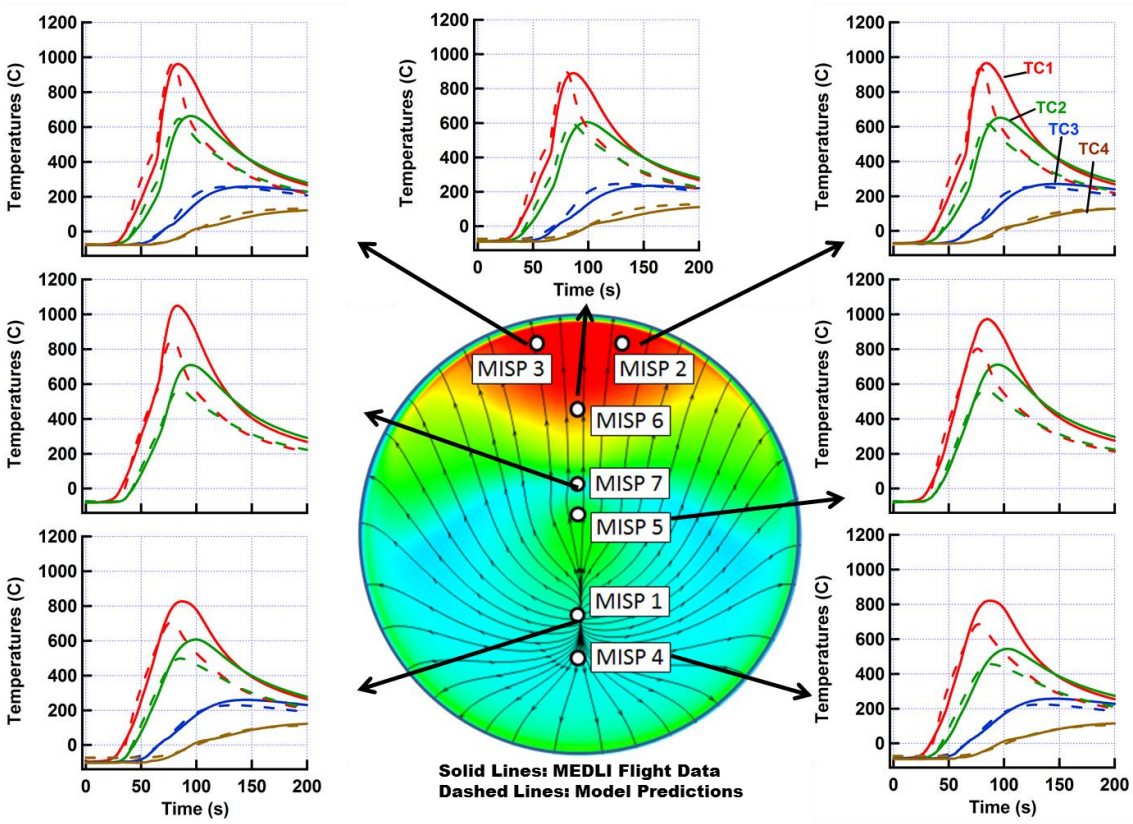


Figure 17. MISP thermocouple data obtained during MSL entry compared with model predictions when surface recession is turned off. TC1, TC2, TC3, and TC4 represent thermocouple traces at depths shown in Table 1.

Figure 18 shows reconstructed time-varying surface heating using the IPE technique. Table 9 shows peak heating values estimated with and without recession. The surface heating values in Figure 18 and Table 9 are for a charred ablating surface with pyrolysis gas blowing.

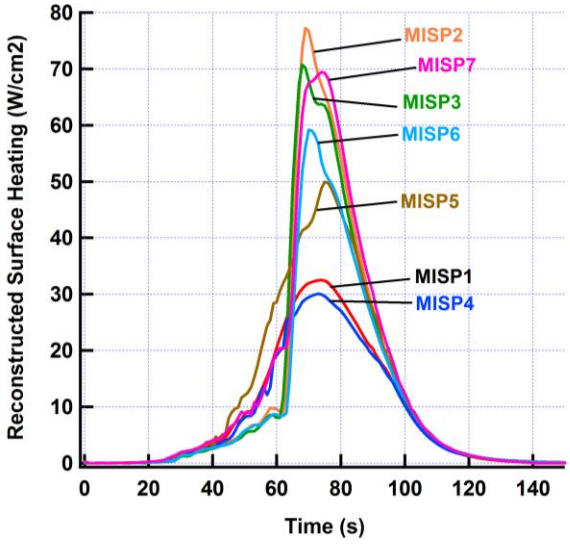


Figure 18. Reconstructed time-varying surface heating using IPE techniques assuming no recession. The surface heating is for pyrolyzing PICA with equilibrium conditions.

Table 9. Reconstructed Surface Heating (W/cm^2) of Charring and Pyrolyzing PICA

	MISP1	MISP2	MISP3	MISP4	MISP5	MISP6	MISP7
With Nominal Recession	28.0	63.4	57.5	26.0	37.0	50.7	54.5
Without Recession	32.5	77.2	70.7	30.0	49.9	59.2	69.4
Change	4.5	13.8	13.2	4.0	12.9	8.5	14.9

5.0 Conclusions

MEDLI was an extraordinary success in many ways. The MEDLI system gathered the first comprehensive set of heatshield temperature and pressure readings on an entry vehicle at Mars during the MSL entry and descent on August 6, 2012. The system performed as intended, and returned highly useful data. MEDLI also gave a new, diverse engineering team the experience of delivering Mars hardware. MEDLI forged a unique path of collaboration between NASA's Mission Directorates, and all of the sponsors were steadfast in their funding commitments. Already, the MEDLI experience is being applied to heatshield instrumentation for Exploration Flight Test (EFT)-1, and aerothermal results are being considered in the heatshield design for the Mars InSight mission. Applicable lessons and experience from MEDLI span the programmatic, hardware development, and data return arenas, and will provide significant value for years to come.

The MEADS subsystem resulted in an aerodynamic reconstruction being performed that had not been possible for previous Mars entry trajectory reconstructions. MEADS successfully acquired a set of high quality pressure data during MSL's entry and descent from prior to atmospheric interface through parachute deploy (about Mach 1.7). The exhaustive ground-based calibration effort spanning the complete operational envelope and addressing a wide range of uncertainties, resulted in an extremely accurate data set enabling previously unobtainable reconstruction perspectives. The new pressure-based reconstruction, enabled by the seven heatshield pressure measurements, resulted in an atmosphere reconstruction being conducted on the vehicle aerodynamics without assumptions. This reconstruction effort successfully demonstrated the value of adding surface pressure measurements to the reconstruction data set for Mars entry. The combination of IMU and MEADS pressures enabled a more robust and complete reconstruction of the vehicle flight performance and atmosphere. Both capsule aerodynamic coefficients and the atmospheric density were accurately estimated during entry. A wind field that agrees with reconstructed attitude history and the capsule guidance performance was also extracted. Most importantly, this reconstruction validates the models used for preflight simulations, showing that the vehicle performance and atmosphere conditions were within the preflight model uncertainties. Beyond simple validation, this reconstruction provides a rich data set for further evaluation and refinement of the MSL codes and techniques used to build the aerodynamic and atmosphere predictions.

The MISP subsystem provided valuable insights in boundary layer transition, stagnation point heating, turbulent heating augmentation, surface recession, and in-depth thermal response, as well as TPS margin policies. MISP successfully acquired very low noise heatshield temperature data. The post-flight assessment of MISP temperature data has provided valuable insights and highlighted areas for further analysis and investigation. A TC driver approach combined with the

actual flight data was used to assess the in-depth performance of the TPS. The TC driver analysis shows that below the top TC material temperatures are well-predicted with the PICA thermal model. This provides increased confidence for designing potentially thinner (and lighter) PICA heatshields for future Mars missions. Current TPS design margins that are based solely on ground test data will be re-assessed using MEDLI data. It is anticipated that margins applied for surface recession, turbulent heating, and stagnation point heating will be significantly improved and strongly substantiated.

Meanwhile, the EDL community will continue to advocate for enacting high-level policies requiring engineering instrumentation for the benefit of future missions. In addition to the forebody pressure, temperature, and recession sensors included in MEDLI, entry system designs could benefit from backshell pressure, temperature, and catalycity sensors, forebody direct heat flux measurements, upward-looking parachute cameras, and pressure measurements on payloads or descent stages that continuously collect measurements to the landing.

6.0 References

1. Gazarik, M. J.; Wright, M. J.; Little, A.; Cheatwood, N.; Herath, J. A.; Munk, M. M.; Novak, F. J.; and Martinez, E. R.: "Overview of the MEDLI Project." Proceedings of *Aerospace Conference, 2008 IEEE*, 1-8 March 2008, 2008, 1-12. 10.1109/aero.2008.4526285. 1095-323X
2. Gazarik, M. J.; Hwang, H.; Little, A.; Cheatwood, N.; Wright, M. J.; and Herath, J. A.: "Overview of the MEDLI Project*5th International Planetary Probe Workshop*, Bordeaux, France, June 25–29, 2007.
3. Munk, M. M.; Little, A.; Kuhl, C.; Bose, D.; and Santos, J.: "The Mars Science Laboratory (MSL) Entry, Descent, and Landing Instrumentation (MEDLI) Hardware." AAS 13-310, *23rd AAS/AIAA Spaceflight Mechanics Meeting*, Kauai, HI, February 2013.
4. Larson, T. J.; and Webb, L. D.: *Calibrations and Comparisons of Pressure-Type Airspeed-Altitude Systems of the X-15 Airplane from Subsonic to High Supersonic Speeds.* National Aeronautics and Space Administration, 1963.
5. Cary, J. P.; Keener, R.; Aeronautics, U. S. N.; and Administration, S.: *Flight Evaluation of the X-15 Ball–Nose Flow–Direction Sensor as an Air–Data System*. NASA TN D-2923, National Aeronautics and Space Administration, 1965. 1965.
6. Ingoldby, R.; Michel, F.; Flaherty, R.; Doty, M.; Preston, B.; Villyard, K.; and Steele, R.: *Entry Data Analysis for Viking Landers 1 and 2*. NASA TN-3770218, NASA CR-159388, NASA, 1976.
7. Wolf, H.; and Eades, J. B.: *Analysis of the Shuttle Air Data System*. NASA CR-145279,, NASA, 1977.
8. Siemers, P. M.; and Larson, T. J.: "Space Shuttle Orbiter and Aerodynamic Testing." *Journal of Spacecraft and Rockets*, Vol. **16** (4), p. 223-231, 1979. http://dx.doi.org/10.2514/3.57648, 2014/04/25. 10.2514/3.57648
9. Larson, T. J.; Flechner, S. G.; and Siemers, P. M.: *Wind Tunnel Investigation of an All Flush Orifice Air Data System for a Large Subsonic Aircraft*. NASA TP–1642, NASA, 1980.
10. Larson, T. J.; and Siemers, P. M.: *Use of Nose Cap and Fuselage Pressure Orifices for Determination of Air Data for Space Shuttle Orbiter Below Supersonic Speeds*. NASA TP-1643, NASA, 1980.

11. Larson, T. J.; and Siemers, P. M.: *Subsonic Tests of an All-Flush-Pressure-Orifice Air Data System*. NASA TP-1871, NASA, 1981.
12. Pruett, C. D.; Wolf, H.; Heck, M. L.; and Siemers, P. M.: "Innovative air data system for the Space Shuttle Orbiter." *Journal of Spacecraft and Rockets*, Vol. **20** (1), p. 61-69, 1983. http://dx.doi.org/10.2514/3.28357, 2014/04/25. 10.2514/3.28357
13. Siemers, P.; Wolf, H.; and Flanagan, P.: "Shuttle Entry Air Data System Concepts Applied to Space Shuttle Orbiter Flight Pressure Data to Determine Air Data - STS 1-4." AIAA 83-0118, *AIAA 21st Aerospace Sciences Meeting*, Reno, NV, http://dx.doi.org/10.2514/6.1983-118. doi:10.2514/6.1983-11810.2514/6.1983-118
14. Siemers, P. M.; Bradley, P. F.; Wolf, H.; Flanagan, P. F.; Weilmuenster, K. J.; and Kern, F. A.: "Shuttle Flight Pressure Instrumentation: Experience and Lessons for the Future*NASA Langley Conference on Shuttle Performance: Lessons Learned*, Langley Research Center, Hampton, Virginia, March 1983.
15. Henry, M.; Wolf, H.; and Siemers, P.: "An Evaluation of Shuttle Entry Air Data System (SEADS) Flight Pressures - Comparisons with Wind Tunnel and Theoretical Predictions." AIAA 88-2052, *AIAA 15th Aerodynamic Testing Conference*, San Diego, CA, http://dx.doi.org/10.2514/6.1988-2052. doi:10.2514/6.1988-205210.2514/6.1988-2052
16. Wolf, H.; Henry, M.; and Siemers, P. M.: "Shuttle Entry Air Data System (SEADS) - Optimization of Preflight Algorithms Based on Flight Results." AIAA 88-2053, *AIAA 15th Aerodynamic Testing Conference*, San Diego, CA, http://dx.doi.org/10.2514/6.1988-2053. doi:10.2514/6.1988-205310.2514/6.1988-2053
17. Woeste, T. J.: "Shuttle entry air data system — An experimental investigation of calibration for ascent flight." *Acta Astronautica*, Vol. **28** (0), p. 409-417, 1992. http://www.sciencedirect.com/science/article/pii/009457659290045K, http://dx.doi.org/10.1016/0094-5765(92)90045-K
18. Siemers, P. M.; Henry, M. W.; and Eades, J. B.: "Shuttle Entry Air Data System (SEADS) - Advanced Air Data System Results: Air Data Across the Entry Speed Range." NASA CP-3248, Part I, *Orbiter Experiments (OEX) Aerothermodynamics Symposium: Proceedings of a Symposium Held in Williamsburg, Virginia, April 27-30, 1993*, Langley Research Center, Hampton, Virginia, April 1993.
19. Throckmorton, D. A.: "Shuttle entry aerothermodynamic flight research - The Orbiter Experiments program." *Journal of Spacecraft and Rockets*, Vol. **30** (4), p. 449-465, 1993. http://dx.doi.org/10.2514/3.25551, 2014/04/25. 10.2514/3.25551
20. Karlgaard, C. D.; and Siemers, P. M.: *SSE-07 and Replacement MEADS Flight Final Calibration Test Report*. 2011. February 2011.
21. Karlgaard, C.; Van Norman, J.; Siemers, P.; Schoenenberger, M.; and Munk, M.: *Mars Entry Atmospheric Data System Modeling, Calibration, and Error Analysis*. NASA/TP-2014-TBD, NASA, 2014.
22. Karlgaard, C. D.; Tartabini, P. V.; Blanchard, R. C.; Kirsch, M.; and Toniolo, M. D.: "Hyper-X Post-Flight Trajectory Reconstruction." *Journal of Spacecraft and Rockets*, Vol. **43** (1), p. 105-115, 2006. http://dx.doi.org/10.2514/1.12733, 2014/04/25. 10.2514/1.12733
23. Karlgaard, C. D.; Tartabini, P. V.; Martin, J. G.; Blanchard, R. C.; Kirsch, M.; Toniolo, M. D.; and Thornblom, M. N.: *Statistical Estimation Methods for Trajectory Reconstruction: Application to Hyper-X*. NASA, 2009. August 2009.

24. Karlgaard, C. D.; Beck, R. E.; Derry, S. D.; Brandon, J. M.; Starr, B. R.; Tartabini, P. V.; and Olds, A. D.: "Ares I-X Trajectory Reconstruction: Methodology and Results." *Journal of Spacecraft and Rockets*, Vol. **50** (3), p. 641-661, 2013. http://dx.doi.org/10.2514/1.A32345, 2014/04/25. 10.2514/1.a32345
25. Kelly, G. M.; Findlay, J. T.; and Compton, H. R.: "Shuttle subsonic horizontal wind estimation." *Journal of Spacecraft and Rockets*, Vol. **20** (4), p. 390-397, 1983. http://dx.doi.org/10.2514/3.25612, 2014/04/25. 10.2514/3.25612
26. Karlgaard, C. D.; Kutty, P.; Schoenenberger, M.; Munk, M. M.; Little, A.; Kuhl, C. A.; and Shidner, J.: "Mars Science Laboratory Entry Atmospheric Data System Trajectory and Atmosphere Reconstruction." *Journal of Spacecraft and Rockets*, Vol., p. 1-19, 2014. http://dx.doi.org/10.2514/1.A32770, 2014/06/06. 10.2514/1.a32770
27. Chen, A.; Cianciolo, A.; Vasavada, A.; Karlgaard, C.; Barnes, J.; Cantor, B.; Hinson, D.; Kass, D.; Lewis, S.; Mischna, M.; Rafkin, S.; and Tyler, D.: "Reconstruction of Atmospheric Properties from the Mars Science Laboratory Entry, Descent, and Landing." *Journal of Spacecraft and Rockets*, Vol. - **Unpublished.**
28. Schoenenberger, M.; Van Norman, J.; Dyakonov, A.; Karlgaard, C. D.; Way, D.; and Kutty, P.: "Assessment of the Reconstructed Aerodynamics of the Mars Science Laboratory Entry Vehicle." *Journal of Spacecraft and Rockets*, Vol. - **Unpublished.**
29. Karlgaard, C.; Kutty, P.; Schoenenberger, M.; Munk, M.; Little, A.; Kuhl, C.; and Shidner, J.: "Mars Science Laboratory Entry Atmospheric Data System Trajectory and Atmosphere Reconstruction." *Journal of Spacecraft and Rockets*, Vol.
30. Baker, D. L.; Wool, M. R.; and Schaefer, J. W.: *Development of Total and Radiative Heat Flux Measurement Systems for Rocket Nozzle Applications*. Defense Technical Information Center, 1970.
31. ASTM, Standard E230/E230M: *Standard Specification and Temperature-Electromotive Force (EMF) Tables for Standardized Thermocouples.* ASTM.
32. Washburn, B. W.: *A Thermocouple Evaluation Model and Evaluation of Chromel-Alumel Thermocouples for High-Temperature Gas-Cooled Reactor Applications*. Los Alamos Scientific Laboratory Informal Report, LA-NUREG-6768-MS, Los Alamos Scientific Laboratory, 1977. March 1977.
33. Pumphrey, W. I.: "The Embrittlement of Chromel and Alumel Thermocouple Wires." *Journal of the Iron and Steel Institute*, Vol. **157**, p. 513-516, 1947.
34. Park, R. M.; Carroll, R. M.; Bliss, P.; Burns, G. W.; Desmaris, R. R.; Hall, F. B.; Herzkovitz, M. B.; MacKenzie, D.; McGuire, E. F.; Reed, R. P.; Sparks, L. L.; and Wang, T. P.: *Manual on the Use of Thermocouples in Temperature Measurement 4th Edition.* MNL12-4TH ed, ASTM, 1993.
35. Antill, C.: *Sensor Support Electronics (SSE) Worst Case Analysis (WCA)*. MEDLI-0114, MEDLI Project, 2011.
36. Santos, J. A.: *MISP 2D Analytical Response Model Results*. 02, MEDLI-0180, MEDLI Project, 2010.
37. Milos, F. S.; Chen, Y.-K.; and Squire, T. H.: "Updated Ablation And Thermal Response Program For Spacecraft Heatshield Analysis." TFAWS-06-1008, *The 17th Thermal and Fluids Analysis Workshop*, University of Maryland, August 2006.

38. Covington, M. A.; Balboni, J. A.; Chen, Y. K.; Goldstein, H. E.; Olejniczak, J.; Terrazas-Salinas, I.; Heinemann, J.; and Martinez, E.: "Performance of a Low Density Ablative Heat Shield Material." AIAA 2004-2273, *37th AIAA Thermophysics Conference*, Portland, OR, 2004. http://dx.doi.org/10.2514/6.2004-2273. doi:10.2514/6.2004-227310.2514/6.2004-2273
39. Oishi, T.; and Santos, J. A.: *HEAT Sensor Calibration Test Report*. Vol. 1, MEDLI-0235, MEDLI Project, 2010.
40. Unknown: *PICA MISP Fabrication Procedure*. MISP-010, MEDLI Project, 2008.
41. Bose, D.; Santos, J. A.; Rodriguez, E.; White, T. R.; and Mahzari, M.: "Mars Science Laboratory Heat Shield Instrumentation and Arc Jet Characterization." AIAA 2013-2778, *44th AIAA Thermophysics Conference*, San Diego, CA, http://dx.doi.org/10.2514/6.2013-2778. doi:10.2514/6.2013-277810.2514/6.2013-2778
42. White, T. R.; Mahzari, M.; Bose, D.; and Santos, J. A.: "Post-flight Analysis of Mars Science Laboratory's Entry Aerothermal Environment and Thermal Protection System Response." AIAA 2013-2779, *44th AIAA Thermophysics Conference*, San Diego, CA, http://dx.doi.org/10.2514/6.2013-2779. doi:10.2514/6.2013-277910.2514/6.2013-2779
43. Mahzari, M.; White, T. R.; Braun, R.; and Bose, D.: "Inverse Estimation of the Mars Science Laboratory Entry Aerothermal Environment and Thermal Protection System Response." AIAA 2013-2780, *44th AIAA Thermophysics Conference*, San Diego, CA, http://dx.doi.org/10.2514/6.2013-2780. doi:10.2514/6.2013-278010.2514/6.2013-2780

7.0 Appendices

Appendix A

To determine the spacecraft clock time for each sensor reading, use the formula SCLK (sensor) = 397501622.303891 + (n x 0.125) + (T_Offset(sensor)/1E6)
n = row number for data, listed along the left side of the data table
T_Offset(sensor) is listed along the top of the data table under each sensor name, units are in milliseconds
MEDLI data was recorded at either 8 Hz, 2 Hz, or 1 Hz depending on the sensor. Each row of data represents 1/8 second increment in spacecraft clock time. TC#01 is the first sensor sampled at the beginning of the SSE sampling sequence, other sensors are sampled at a fixed number of milliseconds after TC#01 during each cycle.
Units: Temperature Data: TC1-TC4 [°C]
HEAT Sensors HEAT [ohms]
Pressure Sensors Press# [pascals]

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01 TC1	TC#02 TC2	TC#04 TC3	TC#05 TC4	HEAT#1 HEAT1	TC#13 TC1	TC#14 TC2	TC#18 TC3	TC#24 TC4	HEAT#4 HEAT2	TC#15 TC1	TC#19 TC2	TC#16 TC3	TC#17 TC4	HEAT#5 HEAT3	TC#07 TC1	TC#08 TC2	TC#10 TC3	TC#11 TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
0	-97.5	-100.8	-102.2	-104.2	1018.1	-72.1	-72.7	-74.3	-74.1	1007.3	-76.8	-77.1	-78.3	-77.8	1032.0	-87.1	-88.4	-90.1	-91.2
1	-97.5	-100.8			1018.0	-72.2	-72.8			1007.3	-76.7	-76.9			1031.8	-87.4	-88.4		
2	-97.6	-100.8			1018.0	-72.1	-72.7			1007.3	-76.7	-76.8			1032.0	-87.2	-88.5		
3	-97.8	-100.9			1017.9	-72.0	-72.7			1007.2	-76.7	-77.0			1031.8	-87.1	-88.3		
4	-97.6	-100.8			1018.0	-72.2	-72.7	-74.4	-74.0	1007.2	-76.7	-76.7			1031.8	-87.2	-88.4		
5	-97.8	-100.6			1017.9	-72.0	-72.7			1007.2	-76.6	-77.0			1031.8	-87.1	-88.3		
6	-97.6	-100.8			1018.0	-72.2	-72.7			1007.3	-76.7	-76.8			1032.0	-87.1	-88.4		
7	-97.5	-100.8			1018.0	-72.1	-72.8			1007.3	-76.8	-77.0			1032.0	-87.1	-88.5		
8	-97.8	-100.7	-102.4	-104.2	1017.9	-72.1	-72.7	-74.3	-74.1	1007.3	-76.7	-77.0	-78.4	-77.7	1031.8	-87.2	-88.5	-90.0	-91.4
9	-97.6	-100.7			1018.0	-72.1	-72.8			1007.4	-76.7	-77.1			1032.1	-87.1	-88.2		
10	-97.6	-100.7			1018.1	-72.2	-72.8			1007.3	-76.8	-76.9			1031.8	-87.1	-88.4		
11	-97.6	-100.7			1018.0	-72.1	-72.8			1007.2	-76.7	-76.8			1032.0	-87.2	-88.4		
12	-97.8	-100.7			1018.0	-72.0	-72.6	-74.3	-74.1	1007.2	-76.7	-76.9			1031.8	-87.1	-88.4		
13	-97.6	-100.6			1018.0	-72.1	-72.8			1007.3	-76.8	-76.9			1032.0	-87.1	-88.4		
14	-97.5	-100.7			1018.0	-72.1	-72.7			1007.3	-76.7	-76.9			1031.8	-87.1	-88.4		
15	-97.6	-100.9			1017.9	-72.1	-72.7			1007.4	-76.8	-76.8			1032.0	-87.2	-88.4		
16	-97.6	-100.6	-102.2	-104.2	1017.9	-72.1	-72.7	-74.3	-74.2	1007.3	-76.6	-76.9	-78.4	-77.7	1032.1	-87.1	-88.4	-89.9	-91.2
17	-97.6	-100.6			1018.0	-72.2	-72.8			1007.3	-76.8	-76.9			1032.0	-87.1	-88.4		
18	-97.5	-100.6			1018.0	-72.1	-72.7			1007.2	-76.7	-76.9			1031.7	-87.2	-88.5		
19	-97.5	-100.7			1017.9	-72.0	-72.7			1007.2	-76.7	-76.8			1031.8	-87.2	-88.4		
20	-97.5	-100.6			1018.0	-72.2	-72.6	-74.4	-74.1	1007.3	-76.7	-76.8			1031.8	-87.2	-88.4		
21	-97.8	-100.7			1018.0	-72.1	-72.7			1007.3	-76.6	-76.9			1032.0	-87.2	-88.2		
22	-97.5	-100.6			1018.1	-72.0	-72.7			1007.3	-76.8	-76.9			1031.8	-87.0	-88.4		
23	-97.6	-100.6			1018.1	-72.2	-72.7			1007.3	-76.7	-76.9			1032.0	-87.2	-88.4		
24	-97.5	-100.9	-102.4	-104.2	1018.0	-72.1	-72.6	-74.4	-74.1	1007.2	-76.7	-76.9	-78.5	-77.8	1031.9	-87.1	-88.4	-89.9	-91.4
25	-97.6	-100.8			1018.0	-72.0	-72.7			1007.3	-76.6	-76.9			1032.0	-87.1	-88.5		
26	-97.6	-100.6			1018.2	-72.1	-72.7			1007.3	-76.7	-76.9			1032.0	-87.0	-88.2		
27	-97.6	-100.6			1018.0	-72.2	-72.8			1007.5	-76.8	-76.8			1032.0	-87.1	-88.2		
28	-97.6	-100.8			1018.0	-72.1	-72.7	-74.2	-74.0	1007.3	-76.7	-76.8			1032.0	-87.1	-88.4		
29	-97.5	-100.8			1018.0	-72.1	-72.7			1007.3	-76.7	-77.1			1032.0	-87.1	-88.4		
30	-97.4	-100.6			1018.2	-72.2	-72.9			1007.3	-76.8	-76.9			1032.0	-87.0	-88.2		
31	-97.5	-100.6			1018.2	-72.1	-72.7			1007.3	-76.7	-76.8			1031.9	-87.1	-88.4		
32	-97.5	-100.8	-102.3	-104.0	1018.0	-71.9	-72.6	-74.1	-74.2	1007.3	-76.7	-76.9	-78.4	-77.8	1031.9	-87.1	-88.4	-89.9	-91.4
33	-97.7	-100.6			1018.0	-72.1	-72.7			1007.3	-76.6	-76.9			1032.0	-87.1	-88.2		
34	-97.7	-100.6			1018.2	-72.1	-72.7			1007.3	-76.7	-76.9			1032.0	-87.1	-88.2		
35	-97.5	-100.8			1018.0	-71.8	-72.7			1007.3	-76.6	-76.9			1032.0	-87.1	-88.5		
36	-97.7	-100.6			1018.2	-72.1	-72.7	-74.3	-74.1	1007.3	-76.7	-76.8			1032.0	-87.1	-88.4		
37	-97.7	-100.8			1017.9	-72.0	-72.6			1007.3	-76.6	-76.8			1031.9	-87.1	-88.2		
38	-97.7	-100.8			1018.0	-72.1	-72.7			1007.3	-76.8	-76.9			1032.0	-87.1	-88.2		
39	-97.4	-100.6			1018.2	-72.0	-72.7			1007.5	-76.7	-76.9			1032.0	-87.1	-88.2		
40	-97.5	-100.7	-102.4	-104.2	1018.0	-72.1	-72.6	-74.3	-74.1	1007.4	-76.7	-76.8	-78.4	-77.8	1031.9	-87.1	-88.4	-90.0	-91.2
41	-97.6	-100.7			1018.0	-72.0	-72.7			1007.4	-76.6	-77.1			1032.0	-87.2	-88.2		
42	-97.6	-100.6			1018.0	-72.2	-72.7			1007.4	-76.7	-76.9			1031.9	-87.1	-88.4		
43	-97.5	-100.7			1018.2	-72.1	-72.7			1007.2	-76.7	-76.8			1031.9	-87.1	-88.4		
44	-97.6	-100.6			1018.0	-72.1	-72.8	-74.3	-73.9	1007.5	-76.7	-76.9			1032.0	-87.1	-88.2		
45	-97.6	-100.6			1018.0	-72.0	-72.6			1007.2	-76.6	-76.8			1031.9	-87.1	-88.4		
46	-97.6	-100.6			1018.0	-72.1	-72.6			1007.4	-76.7	-76.9			1031.9	-86.9	-88.2		
47	-97.5	-100.6			1018.2	-72.1	-72.6			1007.4	-76.7	-76.8			1031.8	-87.1	-88.4		
48	-97.6	-100.7	-102.2	-104.2	1018.0	-72.1	-72.6	-74.1	-74.2	1007.2	-76.6	-76.9	-78.4	-77.8	1031.9	-87.2	-88.2	-90.0	-91.2
49	-97.6	-100.6			1018.2	-72.1	-72.6			1007.5	-76.7	-76.8			1032.0	-87.1	-88.2		
50	-97.5	-100.5			1018.2	-72.1	-72.7			1007.2	-76.6	-76.8			1031.9	-87.1	-88.3		
51	-97.5	-100.7			1018.0	-71.9	-72.7			1007.4	-76.7	-76.8			1032.0	-87.2	-88.2		
52	-97.5	-100.6			1018.2	-72.1	-72.7	-74.4	-74.0	1007.5	-76.6	-76.8			1032.0	-86.9	-88.3		
53	-97.5	-100.7			1018.0	-71.9	-72.5			1007.4	-76.6	-76.9			1032.0	-87.1	-88.2		
54	-97.6	-100.6			1018.2	-71.9	-72.7			1007.4	-76.7	-77.0			1031.9	-86.9	-88.2		
55	-97.4	-100.6			1018.2	-72.2	-72.5			1007.4	-76.7	-76.8			1031.9	-87.1	-88.3		
56	-97.5	-100.6	-102.2	-104.2	1018.0	-71.9	-72.4	-74.2	-73.9	1007.2	-76.6	-76.8	-78.4	-77.6	1032.0	-86.9	-88.2	-89.9	-91.3
57	-97.5	-100.7			1018.2	-72.2	-72.7			1007.4	-76.5	-76.8			1032.0	-87.1	-88.2		
58	-97.5	-100.7			1018.2	-71.8	-72.7			1007.4	-76.7	-76.8			1032.0	-87.1	-88.2		
59	-97.4	-100.9			1018.0	-71.8	-72.5			1007.4	-76.7	-76.8			1031.9	-86.9	-88.2		
60	-97.5	-100.7			1018.0	-71.9	-72.5	-74.1	-74.1	1007.4	-76.5	-76.8			1032.0	-86.9	-88.2		
61	-97.5	-100.6			1018.2	-72.1	-72.7			1007.5	-76.5	-76.9			1032.0	-87.1	-88.1		
62	-97.5	-100.6			1018.0	-72.1	-72.7			1007.4	-76.7	-76.8			1031.9	-87.1	-88.2		
63	-97.5	-100.7			1018.0	-71.9	-72.5			1007.4	-76.7	-76.8			1032.0	-87.1	-88.3		
64	-97.4	-100.7	-102.2	-104.2	1018.2	-72.2	-72.7	-74.2	-74.0	1007.4	-76.5	-76.8	-78.5	-77.6	1032.0	-86.9	-88.3	-89.9	-91.3

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
65	-97.5	-100.6			1018.1	-71.9	-72.5			1007.4	-76.5	-76.8			1032.0	-87.0	-88.3		
66	-97.6	-100.6			1018.2	-71.9	-72.6			1007.5	-76.7	-76.9			1032.0	-86.9	-88.2		
67	-97.5	-100.6			1018.1	-71.9	-72.5			1007.3	-76.4	-76.8			1032.0	-87.0	-88.3		
68	-97.6	-100.6			1018.1	-72.0	-72.5	-74.2	-74.0	1007.5	-76.5	-76.8			1032.1	-86.9	-88.2		
69	-97.5	-100.6			1018.2	-72.2	-72.6			1007.4	-76.5	-76.9			1032.0	-86.9	-88.2		
70	-97.5	-100.7			1018.1	-71.9	-72.6			1007.4	-76.5	-76.8			1031.9	-86.9	-88.2		
71	-97.5	-100.6			1018.2	-71.9	-72.6			1007.5	-76.7	-76.9			1031.9	-86.9	-88.2		
72	-97.5	-100.7	-102.2	-104.0	1018.2	-71.9	-72.6	-74.1	-74.0	1007.3	-76.7	-76.8	-78.4	-77.5	1032.0	-87.0	-88.2	-89.7	-91.2
73	-97.5	-100.6			1018.1	-71.9	-72.6			1007.5	-76.7	-76.9			1032.0	-86.9	-88.1		
74	-97.4	-100.5			1018.2	-72.0	-72.6			1007.4	-76.5	-76.8			1031.9	-87.2	-88.3		
75	-97.5	-100.6			1018.1	-71.9	-72.6			1007.4	-76.5	-76.8			1032.0	-86.9	-88.2		
76	-97.5	-100.6			1018.1	-71.9	-72.5	-74.3	-73.8	1007.4	-76.5	-76.8			1032.0	-87.0	-88.2		
77	-97.4	-100.6			1018.2	-71.9	-72.5			1007.4	-76.5	-76.8			1032.0	-86.9	-88.2		
78	-97.5	-100.6			1018.1	-71.9	-72.5			1007.4	-76.6	-76.8			1032.0	-86.9	-88.2		
79	-97.4	-100.5			1018.2	-72.0	-72.6			1007.5	-76.6	-76.8			1032.0	-86.9	-88.3		
80	-97.5	-100.7	-102.2	-104.0	1018.1	-71.9	-72.5	-74.2	-73.9	1007.4	-76.5	-76.9	-78.2	-77.6	1031.9	-86.9	-88.2	-89.9	-91.2
81	-97.3	-100.6			1018.2	-71.8	-72.6			1007.4	-76.5	-76.8			1032.0	-87.0	-88.2		
82	-97.3	-100.6			1018.1	-71.8	-72.5			1007.4	-76.5	-76.8			1032.0	-87.0	-88.2		
83	-97.3	-100.6			1018.2	-71.9	-72.6			1007.5	-76.6	-76.9			1032.0	-86.9	-88.2		
84	-97.3	-100.6			1018.1	-71.9	-72.6	-74.2	-73.9	1007.4	-76.5	-76.9			1032.0	-86.9	-88.2		
85	-97.5	-100.4			1018.1	-72.0	-72.5			1007.3	-76.6	-76.8			1031.9	-87.0	-88.3		
86	-97.5	-100.6			1018.1	-71.9	-72.4			1007.4	-76.5	-76.8			1032.0	-86.9	-88.1		
87	-97.5	-100.6			1018.2	-72.0	-72.5			1007.4	-76.4	-76.9			1031.9	-87.0	-88.3		
88	-97.5	-100.7	-102.2	-104.1	1018.0	-71.8	-72.6	-74.1	-73.9	1007.4	-76.5	-76.9	-78.3	-77.6	1032.0	-86.9	-88.2	-89.9	-91.2
89	-97.3	-100.6			1018.2	-71.9	-72.6			1007.4	-76.6	-76.8			1032.0	-86.9	-88.1		
90	-97.5	-100.6			1018.2	-71.9	-72.5			1007.4	-76.5	-76.8			1031.9	-87.0	-88.2		
91	-97.5	-100.6			1018.0	-71.8	-72.5			1007.5	-76.5	-76.8			1032.0	-86.8	-88.2		
92	-97.3	-100.6			1018.2	-72.0	-72.5	-74.2	-74.0	1007.4	-76.6	-76.8			1031.9	-86.9	-88.2		
93	-97.5	-100.6			1018.0	-71.8	-72.4			1007.4	-76.4	-76.8			1032.0	-86.9	-88.2		
94	-97.3	-100.4			1018.3	-71.9	-72.6			1007.4	-76.6	-76.9			1032.0	-86.8	-88.2		
95	-97.5	-100.7			1018.0	-71.9	-72.5			1007.4	-76.4	-76.8			1031.9	-86.9	-88.2		
96	-97.3	-100.4	-102.0	-104.1	1018.2	-71.9	-72.5	-74.1	-74.0	1007.5	-76.6	-76.9	-78.5	-77.6	1032.1	-86.9	-88.1	-89.9	-91.3
97	-97.4	-100.6			1018.0	-71.9	-72.5			1007.4	-76.6	-76.8			1031.9	-86.9	-88.2		
98	-97.3	-100.6			1018.0	-71.8	-72.5			1007.5	-76.5	-76.9			1032.1	-86.9	-88.1		
99	-97.3	-100.6			1018.0	-71.8	-72.5			1007.4	-76.5	-76.8			1032.0	-86.9	-88.2		
100	-97.3	-100.6			1018.2	-71.9	-72.5	-74.2	-74.0	1007.4	-76.5	-76.7			1032.0	-86.9	-88.2		
101	-97.3	-100.4			1018.0	-71.9	-72.6			1007.5	-76.6	-76.8			1032.0	-87.0	-88.1		
102	-97.4	-100.6			1018.0	-71.8	-72.5			1007.5	-76.5	-76.8			1032.1	-86.9	-88.1		
103	-97.3	-100.6			1018.3	-72.0	-72.5			1007.4	-76.5	-76.8			1031.9	-87.0	-88.2		
104	-97.4	-100.5	-102.0	-104.0	1018.2	-71.8	-72.4	-74.1	-73.9	1007.5	-76.5	-76.8	-78.4	-77.5	1032.1	-86.9	-88.2	-89.7	-91.2
105	-97.3	-100.5			1018.2	-71.8	-72.4			1007.5	-76.4	-76.8			1032.0	-86.9	-88.2		
106	-97.3	-100.4			1018.2	-71.9	-72.6			1007.5	-76.5	-76.9			1032.0	-86.9	-88.1		
107	-97.4	-100.4			1018.2	-71.8	-72.4			1007.3	-76.5	-76.7			1032.1	-86.9	-88.2		
108	-97.3	-100.4			1018.3	-71.9	-72.5	-74.1	-73.8	1007.3	-76.5	-76.8			1032.0	-86.9	-88.2		
109	-97.4	-100.5			1018.0	-71.8	-72.4			1007.3	-76.5	-76.7			1032.1	-86.9	-88.3		
110	-97.3	-100.5			1018.2	-71.9	-72.5			1007.3	-76.5	-76.7			1032.0	-86.9	-88.2		
111	-97.4	-100.3			1018.0	-71.8	-72.4			1007.5	-76.5	-76.9			1032.0	-86.6	-88.1		
112	-97.3	-100.4	-102.0	-104.1	1018.2	-71.9	-72.5	-74.2	-73.9	1007.3	-76.5	-76.8	-78.3	-77.5	1032.0	-87.0	-88.2	-89.8	-91.1
113	-97.3	-100.4			1018.2	-71.9	-72.6			1007.3	-76.5	-76.8			1032.0	-86.6	-88.2		
114	-97.4	-100.7			1018.0	-71.9	-72.5			1007.3	-76.4	-76.7			1032.1	-86.9	-88.0		
115	-97.2	-100.4			1018.2	-71.8	-72.6			1007.4	-76.5	-76.7			1032.0	-86.7	-88.0		
116	-97.2	-100.5			1018.2	-71.9	-72.5	-74.1	-73.8	1007.4	-76.5	-76.7			1031.9	-86.9	-88.0		
117	-97.3	-100.5			1018.2	-71.8	-72.5			1007.4	-76.5	-76.8			1032.1	-86.9	-87.9		
118	-97.3	-100.5			1018.2	-71.9	-72.5			1007.4	-76.5	-76.8			1032.0	-86.7	-88.2		
119	-97.3	-100.4			1018.2	-71.9	-72.5			1007.5	-76.4	-76.9			1032.0	-86.7	-88.0		
120	-97.4	-100.6	-102.2	-104.0	1018.0	-71.8	-72.5	-74.2	-73.9	1007.4	-76.4	-76.7	-78.3	-77.6	1032.0	-87.0	-88.2	-89.8	-91.1
121	-97.3	-100.4			1018.3	-71.8	-72.5			1007.4	-76.5	-76.8			1032.0	-86.7	-88.0		
122	-97.3	-100.6			1018.2	-71.8	-72.4			1007.4	-76.5	-76.9			1032.1	-86.9	-88.2		
123	-97.3	-100.4			1018.2	-72.0	-72.5			1007.4	-76.5	-76.8			1032.0	-86.7	-88.0		
124	-97.3	-100.4			1018.2	-71.9	-72.5	-73.9	-74.0	1007.5	-76.5	-76.8			1032.1	-86.7	-88.0		
125	-97.4	-100.4			1018.2	-71.9	-72.4			1007.4	-76.4	-76.8			1032.0	-86.9	-87.9		
126	-97.3	-100.4			1018.2	-71.9	-72.5			1007.4	-76.4	-76.8			1031.9	-86.7	-88.0		
127	-97.4	-100.4			1018.0	-71.8	-72.4			1007.4	-76.4	-76.7			1032.0	-86.9	-88.0		
128	-97.2	-100.4	-102.0	-104.0	1018.2	-71.8	-72.4	-73.9	-73.9	1007.4	-76.4	-76.7	-78.1	-77.6	1031.9	-87.0	-88.1	-89.8	-91.1
129	-97.3	-100.3			1018.2	-71.8	-72.4			1007.5	-76.5	-76.8			1032.1	-86.7	-88.0		
130	-97.2	-100.5			1018.0	-71.8	-72.5			1007.2	-76.4	-76.7			1031.9	-86.9	-88.1		
131	-97.3	-100.4			1018.2	-71.8	-72.5			1007.4	-76.5	-76.8			1032.1	-86.7	-88.0		
132	-97.3	-100.4			1018.2	-71.9	-72.6	-73.9	-73.9	1007.4	-76.4	-76.8			1032.0	-86.9	-88.0		
133	-97.3	-100.5			1018.0	-71.9	-72.4			1007.4	-76.5	-76.7			1032.1	-86.9	-88.0		
134	-97.3	-100.5			1018.2	-71.8	-72.5			1007.4	-76.4	-76.8			1032.0	-87.0	-88.0		
135	-97.4	-100.4			1018.0	-71.6	-72.5			1007.4	-76.5	-76.7			1032.1	-86.9	-88.0		
136	-97.2	-100.4	-102.0	-103.8	1018.2	-71.9	-72.5	-73.9	-73.9	1007.5	-76.4	-76.7	-78.3	-77.6	1032.0	-86.9	-88.1	-89.7	-91.0
137	-97.3	-100.4			1018.0	-71.8	-72.4			1007.5	-76.5	-76.8			1032.1	-86.7	-88.0		
138	-97.2	-100.4			1018.2	-71.8	-72.5			1007.4	-76.5	-76.7			1032.0	-86.9	-88.1		
139	-97.3	-100.5			1018.0	-71.8	-72.5			1007.5	-76.5	-76.8			1032.0	-86.9	-88.0		
140	-97.3	-100.3			1018.2	-71.8	-72.4	-74.1	-74.0	1007.5	-76.5	-76.8			1032.0	-86.7	-87.9		
141	-97.3	-100.5			1018.2	-71.8	-72.4			1007.2	-76.5	-76.6			1032.0	-86.9	-88.1		
142	-97.2	-100.4			1018.0	-71.9	-72.5			1007.5	-76.5	-76.8			1032.0	-86.7	-88.0		
143	-97.3	-100.4			1018.2	-71.8	-72.5			1007.4	-76.4	-76.6			1031.9	-86.9	-88.0		
144	-97.3	-100.4	-102.0	-104.1	1018.2	-71.9	-72.5	-74.0	-73.9	1007.5	-76.5	-76.8	-78.2	-77.6	1032.1	-86.7	-88.0	-89.7	-91.1
145	-97.3	-100.4			1018.0	-71.8	-72.4			1007.4	-76.2	-76.8			1032.1	-86.6	-87.9		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
146	-97.2	-100.4			1018.2	-71.9	-72.5			1007.4	-76.5	-76.6			1032.0	-86.9	-88.0		
147	-97.0	-100.5			1018.2	-71.6	-72.3			1007.5	-76.5	-76.6			1032.0	-86.9	-88.0		
148	-97.2	-100.4			1018.2	-71.9	-72.5	-73.9	-73.9	1007.5	-76.4	-76.6			1032.0	-86.7	-88.0		
149	-97.3	-100.4			1018.0	-71.7	-72.5			1007.5	-76.4	-76.6			1032.0	-86.7	-88.0		
150	-97.3	-100.4			1018.2	-71.7	-72.3			1007.4	-76.5	-76.6			1032.0	-86.7	-88.0		
151	-97.4	-100.3			1018.2	-71.6	-72.3			1007.4	-76.5	-76.8			1032.1	-86.7	-88.0		
152	-97.3	-100.4	-101.9	-104.0	1018.2	-71.9	-72.5	-73.9	-73.9	1007.5	-76.4	-76.8	-78.1	-77.6	1031.9	-86.7	-88.0	-89.7	-91.0
153	-97.3	-100.5			1018.2	-71.7	-72.5			1007.4	-76.5	-76.9			1032.1	-86.7	-88.1		
154	-97.2	-100.4			1018.2	-71.9	-72.3			1007.4	-76.4	-76.6			1032.0	-86.9	-88.0		
155	-97.3	-100.4			1018.2	-71.7	-72.5			1007.5	-76.5	-76.8			1032.1	-86.6	-88.0		
156	-97.3	-100.5			1018.2	-71.7	-72.5	-74.0	-73.9	1007.5	-76.4	-76.8			1032.1	-86.7	-88.0		
157	-97.3	-100.4			1018.2	-71.9	-72.5			1007.4	-76.4	-76.6			1032.0	-86.7	-88.1		
158	-97.3	-100.4			1018.2	-71.7	-72.3			1007.5	-76.4	-76.8			1032.1	-86.7	-88.0		
159	-97.3	-100.5			1018.2	-71.7	-72.2			1007.4	-76.4	-76.8			1032.0	-86.7	-87.9		
160	-97.2	-100.3	-102.0	-104.0	1018.2	-71.9	-72.5	-74.0	-74.0	1007.5	-76.5	-76.8	-78.2	-77.5	1032.1	-86.6	-88.0	-89.7	-91.1
161	-97.2	-100.4			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.9	-88.0		
162	-97.3	-100.3			1018.2	-71.9	-72.5			1007.5	-76.5	-76.9			1032.0	-86.7	-88.0		
163	-97.2	-100.4			1018.2	-71.7	-72.4			1007.5	-76.5	-76.6			1032.1	-86.7	-88.0		
164	-97.2	-100.4			1018.3	-71.7	-72.4	-74.0	-73.9	1007.5	-76.4	-76.6			1032.0	-86.7	-88.0		
165	-97.2	-100.4			1018.2	-71.7	-72.4			1007.4	-76.4	-76.8			1032.1	-86.7	-88.0		
166	-97.2	-100.4			1018.0	-71.7	-72.4			1007.4	-76.4	-76.6			1032.0	-86.7	-88.0		
167	-97.2	-100.4			1018.2	-71.7	-72.4			1007.4	-76.4	-76.8			1032.0	-86.7	-88.0		
168	-97.3	-100.5	-102.0	-103.9	1018.2	-71.7	-72.4	-73.9	-74.0	1007.5	-76.5	-76.6	-78.3	-77.6	1032.1	-86.7	-88.0	-89.7	-91.0
169	-97.2	-100.4			1018.2	-71.7	-72.3			1007.4	-76.4	-76.6			1032.1	-86.9	-88.0		
170	-97.3	-100.4			1018.2	-71.9	-72.5			1007.5	-76.3	-76.6			1032.0	-86.7	-88.0		
171	-97.2	-100.3			1018.2	-71.6	-72.3			1007.4	-76.5	-76.7			1032.0	-86.9	-87.9		
172	-97.3	-100.4			1018.2	-71.7	-72.3	-73.9	-73.8	1007.5	-76.3	-76.6			1032.1	-86.7	-87.9		
173	-97.2	-100.4			1018.2	-71.6	-72.3			1007.4	-76.3	-76.6			1032.0	-86.9	-88.1		
174	-97.2	-100.3			1018.2	-71.9	-72.3			1007.4	-76.5	-76.6			1032.0	-86.7	-87.8		
175	-97.3	-100.3			1018.2	-71.7	-72.3			1007.5	-76.5	-76.6			1032.1	-86.7	-87.9		
176	-97.2	-100.4	-101.9	-103.8	1018.3	-71.6	-72.2	-74.1	-73.9	1007.4	-76.3	-76.6	-78.2	-77.4	1032.0	-86.9	-87.9	-89.7	-91.0
177	-97.2	-100.3			1018.2	-71.7	-72.5			1007.4	-76.3	-76.7			1032.0	-86.7	-87.9		
178	-97.3	-100.4			1018.0	-71.7	-72.3			1007.5	-76.2	-76.7			1032.0	-86.7	-88.0		
179	-97.2	-100.4			1018.2	-71.7	-72.2			1007.4	-76.3	-76.6			1032.0	-86.7	-88.0		
180	-97.3	-100.4			1018.0	-71.6	-72.4	-74.1	-73.9	1007.4	-76.3	-76.6			1032.1	-86.7	-88.0		
181	-97.3	-100.4			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-88.0		
182	-97.3	-100.4			1018.2	-71.7	-72.3			1007.5	-76.5	-76.6			1031.9	-86.6	-88.0		
183	-97.3	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.0	-86.7	-87.9		
184	-97.2	-100.4	-101.9	-104.0	1018.2	-71.7	-72.3	-73.9	-73.9	1007.4	-76.2	-76.6	-78.2	-77.4	1032.0	-86.7	-88.0	-89.7	-91.0
185	-97.2	-100.3			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-88.0		
186	-97.0	-100.4			1018.0	-71.6	-72.3			1007.5	-76.5	-76.7			1032.0	-86.6	-88.0		
187	-97.2	-100.4			1018.2	-71.6	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-88.0		
188	-97.2	-100.3			1018.2	-71.7	-72.3	-74.0	-73.9	1007.4	-76.5	-76.7			1031.9	-86.7	-88.0		
189	-97.2	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.1	-86.7	-87.8		
190	-97.0	-100.4			1018.2	-71.6	-72.4			1007.4	-76.3	-76.6			1032.0	-86.7	-87.9		
191	-97.2	-100.3			1018.2	-71.8	-72.3			1007.4	-76.3	-76.6			1031.9	-86.7	-88.0		
192	-97.0	-100.2	-102.0	-103.9	1018.2	-71.6	-72.3	-74.0	-74.0	1007.5	-76.5	-76.6	-78.1	-77.6	1032.1	-86.6	-88.0	-89.6	-91.0
193	-97.1	-100.4			1018.2	-71.7	-72.2			1007.5	-76.2	-76.6			1032.1	-86.7	-88.0		
194	-97.1	-100.4			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.0	-86.7	-88.0		
195	-97.0	-100.2			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-88.0		
196	-97.0	-100.4			1018.2	-71.5	-72.3	-73.9	-73.9	1007.5	-76.2	-76.6			1032.0	-86.7	-88.0		
197	-97.0	-100.1			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-88.1		
198	-97.1	-100.2			1018.2	-71.6	-72.3			1007.5	-76.3	-76.7			1032.1	-86.6	-88.0		
199	-97.1	-100.2			1018.2	-71.6	-72.3			1007.5	-76.5	-76.7			1032.1	-86.6	-87.9		
200	-97.1	-100.2	-101.9	-103.9	1018.2	-71.6	-72.2	-73.9	-74.0	1007.4	-76.2	-76.6	-78.2	-77.6	1032.1	-86.6	-87.9	-89.7	-91.0
201	-97.1	-100.4			1018.3	-71.7	-72.3			1007.5	-76.2	-76.6			1032.1	-86.6	-88.0		
202	-97.1	-100.4			1018.3	-71.6	-72.2			1007.4	-76.3	-76.6			1032.0	-86.7	-87.9		
203	-97.1	-100.1			1018.2	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-87.9		
204	-97.0	-100.2			1018.2	-71.6	-72.3	-74.0	-73.9	1007.5	-76.3	-76.6			1032.0	-86.7	-87.9		
205	-97.0	-100.0			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.1	-86.6	-87.9		
206	-97.3	-100.2			1018.2	-71.6	-72.3			1007.5	-76.5	-76.6			1032.1	-86.7	-87.9		
207	-97.3	-100.4			1018.2	-71.5	-72.3			1007.5	-76.3	-76.6			1032.1	-86.7	-87.9		
208	-97.2	-100.3	-101.7	-103.9	1018.2	-71.6	-72.2	-73.9	-73.7	1007.4	-76.3	-76.7	-78.2	-77.3	1032.0	-86.7	-87.9	-89.6	-91.0
209	-97.2	-100.3			1018.3	-71.7	-72.4			1007.4	-76.2	-76.6			1031.9	-86.6	-87.9		
210	-97.2	-100.4			1018.2	-71.7	-72.3			1007.5	-76.3	-76.6			1032.0	-86.6	-87.9		
211	-97.2	-100.3			1018.2	-71.7	-72.3			1007.5	-76.3	-76.5			1032.0	-86.6	-87.9		
212	-97.0	-100.3			1018.0	-71.7	-72.3	-73.9	-73.7	1007.4	-76.2	-76.6			1032.0	-86.7	-87.9		
213	-97.0	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.7			1032.0	-86.6	-88.0		
214	-97.0	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.7			1032.0	-86.6	-87.8		
215	-97.0	-100.3			1018.2	-71.6	-72.2			1007.5	-76.3	-76.6			1032.1	-86.6	-87.9		
216	-97.3	-100.2	-101.9	-103.8	1018.2	-71.6	-72.2	-73.8	-73.9	1007.5	-76.3	-76.6	-78.0	-77.3	1032.1	-86.7	-87.9	-89.6	-91.0
217	-97.1	-100.4			1018.2	-71.6	-72.2			1007.5	-76.3	-76.6			1032.0	-86.7	-87.9		
218	-97.1	-100.2			1018.2	-71.7	-72.4			1007.4	-76.3	-76.5			1032.0	-86.7	-88.0		
219	-97.0	-100.1			1018.2	-71.7	-72.3			1007.4	-76.3	-76.5			1032.0	-86.7	-88.0		
220	-97.0	-100.2			1018.0	-71.6	-72.2	-73.8	-73.9	1007.4	-76.2	-76.6			1032.1	-86.7	-87.9		
221	-97.1	-100.1			1018.3	-71.7	-72.2			1007.4	-76.3	-76.7			1032.0	-86.7	-88.0		
222	-97.0	-100.1			1018.3	-71.7	-72.3			1007.4	-76.3	-76.6			1032.0	-86.7	-87.9		
223	-97.0	-100.2			1018.2	-71.5	-72.3			1007.5	-76.3	-76.6			1032.0	-86.6	-87.9		
224	-97.2	-100.3	-101.8	-103.9	1018.2	-71.6	-72.3	-74.0	-74.0	1007.5	-76.3	-76.7	-78.2	-77.4	1032.1	-86.6	-87.9	-89.6	-91.0
225	-97.2	-100.3			1018.0	-71.6	-72.3			1007.5	-76.4	-76.6			1032.1	-86.7	-87.9		
226	-97.2	-100.3			1018.0	-71.5	-72.3			1007.5	-76.3	-76.6			1032.1	-86.6	-87.9		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
227	-97.0	-100.3			1018.2	-71.7	-72.2			1007.4	-76.3	-76.6			1032.0	-86.7	-87.9		
228	-97.0	-100.4			1018.3	-71.7	-72.3	-74.0	-73.7	1007.4	-76.2	-76.5			1032.0	-86.6	-87.9		
229	-97.2	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.1	-86.6	-87.7		
230	-97.2	-100.3			1018.2	-71.6	-72.3			1007.5	-76.3	-76.6			1032.1	-86.6	-87.9		
231	-97.2	-100.3			1018.2	-71.5	-72.2			1007.5	-76.2	-76.6			1032.1	-86.6	-87.9		
232	-97.2	-100.3	-101.9	-103.8	1018.3	-71.7	-72.2	-73.9	-73.7	1007.5	-76.2	-76.5	-78.2	-77.3	1032.0	-86.7	-87.9	-89.7	-91.0
233	-97.2	-100.3			1018.1	-71.5	-72.2			1007.5	-76.3	-76.4			1032.0	-86.7	-88.0		
234	-97.0	-100.1			1018.3	-71.6	-72.2			1007.3	-76.3	-76.4			1032.0	-86.6	-87.9		
235	-97.0	-100.3			1018.1	-71.6	-72.3			1007.5	-76.2	-76.6			1032.0	-86.6	-87.9		
236	-97.0	-100.3			1018.1	-71.6	-72.2	-73.9	-73.7	1007.3	-76.2	-76.7			1032.0	-86.6	-87.9		
237	-97.0	-100.1			1018.3	-71.6	-72.3			1007.3	-76.2	-76.4			1032.0	-86.6	-87.9		
238	-97.0	-100.3			1018.3	-71.6	-72.3			1007.3	-76.3	-76.7			1032.0	-86.6	-87.9		
239	-97.2	-100.1			1018.1	-71.6	-72.3			1007.5	-76.3	-76.6			1032.1	-86.6	-87.9		
240	-97.0	-100.3	-101.9	-103.9	1018.3	-71.5	-72.2	-74.0	-73.7	1007.6	-76.3	-76.6	-78.0	-77.4	1032.1	-86.5	-87.9	-89.6	-91.0
241	-97.0	-100.3			1018.3	-71.4	-72.2			1007.6	-76.2	-76.6			1032.1	-86.7	-87.9		
242	-97.2	-100.3			1018.2	-71.6	-72.3			1007.5	-76.2	-76.4			1032.1	-86.7	-87.9		
243	-96.9	-100.1			1018.3	-71.6	-72.2			1007.5	-76.1	-76.4			1032.1	-86.7	-87.9		
244	-97.0	-100.3			1018.2	-71.5	-72.2	-73.7	-73.7	1007.4	-76.2	-76.4			1032.0	-86.6	-88.0		
245	-97.0	-100.3			1018.3	-71.7	-72.3			1007.4	-76.3	-76.4			1032.0	-86.6	-87.9		
246	-97.0	-100.1			1018.3	-71.6	-72.3			1007.5	-76.2	-76.6			1032.0	-86.6	-87.9		
247	-97.0	-100.1			1018.3	-71.7	-72.3			1007.5	-76.2	-76.6			1032.0	-86.6	-88.0		
248	-97.0	-100.3	-101.9	-103.8	1018.1	-71.6	-72.2	-73.8	-73.7	1007.5	-76.3	-76.7	-78.1	-77.4	1032.0	-86.6	-88.0	-89.7	-91.0
249	-97.0	-100.3			1018.1	-71.6	-72.3			1007.5	-76.3	-76.6			1032.0	-86.6	-87.9		
250	-97.0	-100.1			1018.1	-71.5	-72.2			1007.6	-76.4	-76.6			1032.0	-86.6	-87.9		
251	-97.0	-100.3			1018.1	-71.6	-72.2			1007.5	-76.2	-76.6			1032.0	-86.6	-87.9		
252	-97.0	-100.1			1018.3	-71.6	-72.2	-73.9	-73.7	1007.3	-76.2	-76.4			1032.0	-86.4	-87.9		
253	-97.0	-100.3			1018.3	-71.5	-72.3			1007.5	-76.2	-76.6			1032.0	-86.6	-87.9		
254	-97.0	-100.1			1018.3	-71.7	-72.3			1007.5	-76.3	-76.4			1032.0	-86.4	-87.9		
255	-97.0	-100.1			1018.3	-71.6	-72.2			1007.5	-76.2	-76.4			1032.0	-86.4	-87.7		
256	-97.0	-100.1	-101.7	-103.8	1018.3	-71.5	-72.3	-74.0	-73.7	1007.5	-76.2	-76.4	-78.2	-77.4	1032.0	-86.4	-87.7	-89.5	-91.0
257	-97.0	-100.2			1018.2	-71.5	-72.2			1007.5	-76.3	-76.5			1032.0	-86.6	-87.9		
258	-97.0	-100.2			1018.0	-71.6	-72.1			1007.5	-76.2	-76.4			1032.1	-86.6	-87.9		
259	-97.0	-100.2			1018.2	-71.5	-72.2			1007.5	-76.2	-76.4			1032.1	-86.6	-87.9		
260	-97.0	-100.2			1018.3	-71.7	-72.2	-74.0	-73.8	1007.4	-76.2	-76.4			1032.0	-86.6	-87.9		
261	-97.0	-100.2			1018.3	-71.6	-72.2			1007.4	-76.1	-76.4			1032.0	-86.7	-87.7		
262	-96.9	-100.1			1018.3	-71.6	-72.3			1007.5	-76.2	-76.4			1032.0	-86.6	-87.9		
263	-97.0	-100.2			1018.3	-71.6	-72.3			1007.6	-76.3	-76.6			1032.0	-86.6	-87.7		
264	-97.0	-100.2	-101.6	-103.6	1018.2	-71.3	-72.3	-74.0	-73.7	1007.5	-76.2	-76.6	-78.1	-77.4	1032.1	-86.4	-87.6	-89.5	-90.8
265	-97.0	-100.2			1018.2	-71.5	-72.2			1007.5	-76.2	-76.6			1032.1	-86.4	-87.7		
266	-97.0	-100.2			1018.3	-71.4	-72.3			1007.5	-76.0	-76.4			1032.1	-86.6	-87.7		
267	-97.1	-100.2			1018.2	-71.4	-72.2			1007.5	-76.2	-76.4			1032.1	-86.6	-87.9		
268	-97.0	-100.1			1018.2	-71.6	-72.2	-73.9	-73.7	1007.5	-76.3	-76.5			1032.1	-86.6	-87.7		
269	-97.0	-100.2			1018.2	-71.6	-72.2			1007.5	-76.2	-76.4			1032.1	-86.6	-87.9		
270	-96.7	-100.1			1018.3	-71.4	-72.2			1007.4	-76.2	-76.4			1032.0	-86.7	-87.9		
271	-97.0	-100.1			1018.3	-71.6	-72.2			1007.5	-76.0	-76.3			1032.1	-86.6	-87.9		
272	-97.0	-100.1	-101.9	-103.8	1018.3	-71.6	-72.3	-73.8	-73.7	1007.5	-76.2	-76.5	-78.1	-77.4	1032.0	-86.6	-87.7	-89.6	-91.0
273	-97.0	-100.1			1018.3	-71.4	-72.3			1007.5	-76.2	-76.4			1032.0	-86.6	-87.7		
274	-97.0	-100.2			1018.2	-71.4	-72.3			1007.6	-76.2	-76.5			1032.1	-86.6	-87.9		
275	-97.0	-100.2			1018.2	-71.4	-72.2			1007.6	-76.2	-76.4			1032.1	-86.6	-87.7		
276	-97.1	-100.1			1018.2	-71.6	-72.2	-73.8	-73.7	1007.5	-76.2	-76.4			1032.1	-86.6	-87.7		
277	-97.0	-100.1			1018.3	-71.4	-72.2			1007.6	-76.2	-76.5			1032.1	-86.6	-87.9		
278	-96.9	-100.2			1018.2	-71.4	-72.2			1007.5	-76.0	-76.4			1032.1	-86.5	-87.9		
279	-96.9	-100.1			1018.2	-71.6	-72.2			1007.5	-76.0	-76.5			1032.1	-86.6	-87.9		
280	-97.0	-100.2	-101.7	-103.8	1018.3	-71.6	-72.2	-73.7	-73.8	1007.5	-76.3	-76.4	-78.0	-77.4	1032.1	-86.5	-87.7	-89.4	-90.9
281	-97.0	-100.2			1018.2	-71.4	-72.2			1007.5	-76.0	-76.4			1032.1	-86.6	-87.9		
282	-97.0	-100.1			1018.2	-71.6	-72.0			1007.5	-76.2	-76.4			1032.1	-86.5	-87.9		
283	-97.0	-100.2			1018.1	-71.3	-72.0			1007.5	-76.2	-76.6			1032.1	-86.6	-87.7		
284	-96.7	-100.1			1018.2	-71.4	-72.2	-73.7	-73.7	1007.4	-76.0	-76.4			1031.9	-86.5	-87.7		
285	-97.0	-100.1			1018.3	-71.3	-72.0			1007.7	-76.2	-76.4			1032.0	-86.5	-87.6		
286	-96.8	-100.1			1018.3	-71.4	-72.2			1007.5	-76.2	-76.4			1032.0	-86.6	-87.9		
287	-97.0	-100.2			1018.2	-71.4	-72.2			1007.5	-76.2	-76.6			1032.1	-86.6	-87.7		
288	-96.9	-100.1	-101.7	-103.8	1018.2	-71.4	-72.0	-73.9	-73.8	1007.5	-76.0	-76.4	-78.1	-77.3	1032.0	-86.5	-87.7	-89.7	-91.0
289	-97.0	-100.1			1018.3	-71.5	-72.2			1007.5	-76.2	-76.4			1032.1	-86.4	-87.7		
290	-97.0	-100.1			1018.3	-71.4	-72.2			1007.5	-76.0	-76.3			1032.1	-86.6	-87.9		
291	-96.9	-100.1			1018.2	-71.4	-72.3			1007.6	-76.2	-76.4			1032.0	-86.6	-87.7		
292	-97.0	-100.1			1018.3	-71.3	-72.2	-73.9	-73.8	1007.6	-76.0	-76.4			1032.0	-86.4	-87.7		
293	-97.0	-100.2			1018.2	-71.4	-72.0			1007.5	-76.2	-76.4			1032.1	-86.4	-87.7		
294	-96.9	-100.1			1018.3	-71.4	-72.2			1007.5	-76.2	-76.4			1032.1	-86.4	-87.7		
295	-96.9	-100.1			1018.2	-71.4	-72.0			1007.5	-76.2	-76.4			1032.1	-86.4	-87.7		
296	-96.9	-100.1	-101.7	-103.6	1018.3	-71.4	-72.2	-73.6	-73.7	1007.5	-76.2	-76.4	-78.0	-77.4	1032.1	-86.6	-87.7	-89.4	-91.0
297	-96.9	-100.1			1018.2	-71.6	-72.2			1007.5	-76.0	-76.4			1032.1	-86.4	-87.6		
298	-96.9	-100.1			1018.4	-71.4	-72.2			1007.4	-76.2	-76.4			1032.1	-86.4	-87.9		
299	-96.9	-100.1			1018.2	-71.3	-72.0			1007.5	-76.2	-76.4			1032.1	-86.6	-87.6		
300	-96.9	-100.0			1018.3	-71.4	-72.2	-73.7	-73.7	1007.5	-76.2	-76.3			1032.1	-86.6	-87.7		
301	-97.0	-100.2			1018.3	-71.4	-72.0			1007.5	-76.0	-76.4			1032.1	-86.4	-87.7		
302	-96.9	-100.2			1018.3	-71.4	-72.0			1007.5	-76.2	-76.4			1032.0	-86.6	-87.7		
303	-96.9	-100.2			1018.3	-71.3	-72.0			1007.5	-76.0	-76.4			1032.1	-86.3	-87.7		
304	-97.0	-99.9	-101.7	-103.6	1018.3	-71.4	-72.2	-73.6	-73.8	1007.4	-76.3	-76.4	-78.0	-77.5	1032.1	-86.4	-87.7	-89.4	-90.9
305	-97.0	-100.2			1018.3	-71.2	-72.0			1007.5	-76.0	-76.6			1032.1	-86.6	-87.8		
306	-96.9	-100.1			1018.3	-71.4	-72.2			1007.5	-76.2	-76.4			1032.0	-86.4	-87.8		
307	-96.9	-100.1			1018.3	-71.4	-72.0			1007.5	-76.2	-76.6			1032.1	-86.4	-87.7		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
308	-97.0	-100.1			1018.2	-71.3	-72.0	-73.9	-73.8	1007.5	-76.0	-76.6			1032.3	-86.4	-87.7		
309	-96.9	-100.1			1018.3	-71.4	-72.2			1007.5	-76.2	-76.4			1031.9	-86.4	-87.7		
310	-96.9	-100.1			1018.3	-71.4	-72.0			1007.7	-76.2	-76.4			1032.1	-86.4	-87.6		
311	-96.9	-99.9			1018.3	-71.4	-72.2			1007.5	-76.0	-76.4			1032.0	-86.6	-87.8		
312	-96.8	-99.9	-101.7	-103.8	1018.2	-71.4	-72.0	-73.8	-73.7	1007.5	-76.2	-76.4	-78.0	-77.3	1032.1	-86.4	-87.6	-89.4	-90.9
313	-96.8	-100.2			1018.3	-71.4	-72.0			1007.5	-76.0	-76.3			1032.0	-86.4	-87.6		
314	-96.8	-100.1			1018.3	-71.4	-72.2			1007.5	-76.2	-76.4			1032.0	-86.4	-87.8		
315	-96.8	-100.1			1018.3	-71.4	-72.2			1007.6	-76.0	-76.5			1032.1	-86.4	-87.6		
316	-96.8	-100.1			1018.3	-71.4	-72.0	-73.8	-73.7	1007.5	-76.0	-76.3			1032.1	-86.4	-87.7		
317	-96.8	-99.9			1018.3	-71.4	-72.2			1007.5	-76.0	-76.4			1032.0	-86.3	-87.7		
318	-97.0	-100.1			1018.3	-71.2	-72.0			1007.5	-76.0	-76.4			1032.1	-86.3	-87.7		
319	-96.8	-100.1			1018.3	-71.4	-72.2			1007.4	-76.0	-76.4			1032.0	-86.4	-87.7		
320	-97.0	-99.9	-101.6	-103.8	1018.3	-71.4	-72.0	-73.6	-73.7	1007.6	-76.2	-76.4	-78.0	-77.4	1032.3	-86.4	-87.7	-89.4	-90.9
321	-97.0	-100.1			1018.3	-71.3	-72.0			1007.5	-76.0	-76.3			1032.3	-86.4	-87.6		
322	-96.7	-100.1			1018.3	-71.4	-72.2			1007.5	-76.0	-76.4			1032.0	-86.4	-87.7		
323	-96.8	-100.1			1018.3	-71.3	-72.0			1007.6	-76.2	-76.6			1032.1	-86.4	-87.7		
324	-97.0	-100.2			1018.3	-71.4	-72.2	-73.9	-73.8	1007.5	-76.0	-76.3			1032.1	-86.4	-87.6		
325	-96.7	-100.1			1018.4	-71.4	-72.0			1007.6	-76.0	-76.4			1032.1	-86.4	-87.7		
326	-97.0	-100.1			1018.3	-71.3	-72.0			1007.5	-76.0	-76.3			1032.1	-86.4	-87.7		
327	-96.8	-100.1			1018.3	-71.4	-72.2			1007.4	-76.0	-76.3			1032.1	-86.4	-87.7		
328	-97.0	-100.1	-101.6	-103.6	1018.3	-71.4	-72.2	-73.9	-73.7	1007.6	-76.2	-76.4	-78.0	-77.4	1032.2	-86.4	-87.7	-89.4	-91.0
329	-96.8	-100.1			1018.3	-71.4	-72.2			1007.5	-76.0	-76.3			1032.2	-86.4	-87.9		
330	-96.8	-99.9			1018.3	-71.4	-72.2			1007.5	-76.0	-76.4			1032.2	-86.4	-87.7		
331	-96.8	-100.1			1018.3	-71.3	-72.0			1007.5	-76.0	-76.4			1032.2	-86.3	-87.7		
332	-97.0	-99.9			1018.3	-71.2	-72.0	-73.9	-73.7	1007.5	-76.2	-76.4			1032.2	-86.4	-87.7		
333	-96.7	-99.9			1018.3	-71.4	-72.0			1007.5	-76.0	-76.3			1032.2	-86.6	-87.9		
334	-96.8	-99.9			1018.5	-71.4	-72.2			1007.6	-76.2	-76.3			1032.2	-86.4	-87.7		
335	-96.8	-100.1			1018.2	-71.3	-72.0			1007.5	-76.0	-76.4			1032.0	-86.4	-87.6		
336	-96.7	-99.9	-101.6	-103.5	1018.3	-71.3	-72.0	-73.8	-73.7	1007.6	-76.0	-76.3	-78.0	-77.4	1032.0	-86.4	-87.7	-89.5	-90.8
337	-97.0	-100.1			1018.3	-71.3	-72.2			1007.5	-76.0	-76.4			1032.3	-86.3	-87.7		
338	-96.8	-99.9			1018.3	-71.3	-72.0			1007.5	-76.0	-76.4			1032.2	-86.4	-87.6		
339	-96.7	-99.9			1018.5	-71.3	-72.1			1007.6	-76.0	-76.4			1032.2	-86.4	-87.7		
340	-96.8	-99.9			1018.3	-71.3	-72.0	-73.7	-73.8	1007.5	-76.0	-76.5			1032.2	-86.4	-87.6		
341	-96.8	-100.1			1018.3	-71.3	-72.0			1007.5	-76.0	-76.3			1032.2	-86.4	-87.6		
342	-96.7	-99.9			1018.3	-71.3	-72.0			1007.6	-76.0	-76.4			1032.0	-86.4	-87.7		
343	-96.8	-99.9			1018.3	-71.3	-72.0			1007.6	-76.0	-76.3			1032.2	-86.3	-87.6		
344	-96.7	-100.0	-101.7	-103.5	1018.3	-71.4	-72.0	-73.8	-73.8	1007.5	-76.0	-76.4	-78.0	-77.3	1032.0	-86.7	-87.7	-89.4	-90.8
345	-96.9	-100.0			1018.3	-71.3	-72.0			1007.5	-76.1	-76.4			1032.1	-86.4	-87.4		
346	-96.9	-100.1			1018.3	-71.3	-72.0			1007.5	-76.0	-76.3			1032.1	-86.4	-87.7		
347	-96.7	-100.0			1018.3	-71.4	-72.0			1007.5	-76.0	-76.4			1032.0	-86.4	-87.7		
348	-96.7	-100.0			1018.3	-71.4	-72.0	-73.7	-73.7	1007.5	-75.9	-76.3			1032.1	-86.4	-87.7		
349	-96.7	-100.0			1018.3	-71.3	-72.0			1007.6	-76.0	-76.3			1032.0	-86.4	-87.7		
350	-96.7	-100.0			1018.3	-71.3	-72.0			1007.5	-76.2	-76.4			1032.1	-86.3	-87.6		
351	-96.9	-100.2			1018.2	-71.3	-71.9			1007.5	-76.0	-76.3			1032.1	-86.3	-87.6		
352	-96.7	-100.0	-101.7	-103.7	1018.3	-71.4	-72.0	-73.8	-73.7	1007.4	-76.0	-76.4	-78.1	-77.3	1032.0	-86.4	-87.7	-89.4	-90.7
353	-96.7	-100.0			1018.3	-71.3	-72.0			1007.5	-76.0	-76.3			1032.3	-86.4	-87.6		
354	-96.9	-100.1			1018.2	-71.2	-72.0			1007.6	-76.0	-76.4			1032.1	-86.3	-87.6		
355	-96.9	-100.1			1018.3	-71.2	-71.9			1007.5	-75.9	-76.3			1032.1	-86.4	-87.6		
356	-96.7	-100.0			1018.4	-71.3	-72.0	-73.7	-73.8	1007.6	-76.0	-76.4			1032.1	-86.3	-87.6		
357	-96.9	-100.1			1018.3	-71.3	-72.2			1007.5	-76.0	-76.3			1032.1	-86.4	-87.7		
358	-96.7	-100.0			1018.3	-71.3	-72.0			1007.5	-76.0	-76.2			1032.1	-86.4	-87.7		
359	-96.7	-100.0			1018.4	-71.3	-72.0			1007.6	-76.0	-76.4			1032.0	-86.4	-87.6		
360	-96.7	-100.0	-101.6	-103.7	1018.2	-71.3	-71.9	-73.7	-73.8	1007.5	-76.0	-76.4	-77.9	-77.4	1032.1	-86.3	-87.6	-89.2	-90.8
361	-96.9	-100.1			1018.3	-71.3	-71.9			1007.5	-76.0	-76.3			1032.1	-86.4	-87.6		
362	-96.9	-100.0			1018.3	-71.3	-72.1			1007.5	-76.0	-76.3			1032.0	-86.3	-87.6		
363	-96.7	-100.0			1018.4	-71.4	-72.1			1007.5	-76.0	-76.4			1032.1	-86.4	-87.7		
364	-96.7	-100.0			1018.4	-71.3	-72.0	-73.8	-73.7	1007.6	-76.0	-76.4			1032.1	-86.4	-87.6		
365	-96.7	-100.1			1018.3	-71.3	-72.0			1007.6	-76.0	-76.4			1032.1	-86.3	-87.6		
366	-96.9	-100.1			1018.3	-71.3	-71.9			1007.5	-75.9	-76.3			1032.2	-86.4	-87.6		
367	-96.9	-100.0			1018.3	-71.4	-71.9			1007.5	-75.9	-76.3			1032.1	-86.4	-87.7		
368	-96.7	-100.0	-101.6	-103.5	1018.3	-71.3	-72.0	-73.7	-73.6	1007.5	-76.0	-76.4	-78.0	-77.4	1032.1	-86.4	-87.7	-89.4	-90.7
369	-96.7	-100.0			1018.4	-71.3	-72.1			1007.6	-76.0	-76.3			1032.1	-86.3	-87.7		
370	-96.7	-100.0			1018.3	-71.3	-72.0			1007.6	-76.1	-76.4			1032.1	-86.3	-87.6		
371	-96.9	-100.1			1018.3	-71.2	-71.9			1007.5	-75.9	-76.3			1032.1	-86.3	-87.6		
372	-96.9	-100.0			1018.3	-71.2	-71.9	-73.7	-73.6	1007.5	-76.1	-76.4			1032.2	-86.3	-87.6		
373	-96.7	-100.0			1018.3	-71.3	-72.0			1007.5	-75.9	-76.1			1032.1	-86.3	-87.6		
374	-96.7	-100.0			1018.3	-71.4	-72.0			1007.5	-76.0	-76.3			1032.0	-86.3	-87.7		
375	-96.7	-100.0			1018.3	-71.3	-72.0			1007.6	-76.1	-76.4			1032.2	-86.3	-87.6		
376	-96.9	-100.0	-101.6	-103.5	1018.3	-71.3	-72.0	-73.8	-73.6	1007.6	-75.9	-76.3	-78.0	-77.4	1032.2	-86.3	-87.6	-89.4	-90.9
377	-96.7	-100.0			1018.4	-71.3	-72.0			1007.5	-75.9	-76.3			1032.0	-86.4	-87.7		
378	-96.7	-100.0			1018.4	-71.3	-72.0			1007.5	-75.9	-76.4			1032.1	-86.3	-87.6		
379	-96.9	-100.0			1018.3	-71.3	-72.0			1007.6	-76.0	-76.4			1032.1	-86.3	-87.6		
380	-96.7	-100.1			1018.3	-71.3	-72.0	-73.7	-73.6	1007.5	-75.9	-76.3			1032.1	-86.5	-87.6		
381	-96.7	-100.0			1018.4	-71.3	-72.1			1007.6	-76.0	-76.4			1032.1	-86.3	-87.6		
382	-96.7	-99.8			1018.4	-71.3	-72.0			1007.6	-76.0	-76.4			1032.1	-86.4	-87.6		
383	-96.9	-100.1			1018.3	-71.2	-72.0			1007.5	-76.0	-76.3			1032.1	-86.3	-87.4		
384	-96.6	-100.0	-101.6	-103.6	1018.3	-71.3	-72.0	-73.7	-73.7	1007.4	-75.9	-76.3	-78.1	-77.4	1031.9	-86.3	-87.6	-89.2	-90.7
385	-96.7	-99.8			1018.4	-71.3	-72.0			1007.6	-76.0	-76.2			1032.0	-86.3	-87.6		
386	-96.7	-100.0			1018.3	-71.3	-72.0			1007.6	-76.0	-76.4			1032.2	-86.2	-87.6		
387	-96.9	-100.1			1018.3	-71.3	-71.9			1007.6	-76.0	-76.3			1032.1	-86.3	-87.6		
388	-96.7	-100.0			1018.2	-71.3	-72.0	-73.8	-73.8	1007.6	-76.0	-76.3			1032.1	-86.3	-87.4		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
389	-96.7	-100.0			1018.3	-71.3	-72.0			1007.6	-75.9	-76.4			1032.2	-86.3	-87.6		
390	-96.9	-100.0			1018.3	-71.2	-72.0			1007.5	-75.9	-76.3			1032.1	-86.4	-87.6		
391	-96.7	-100.0			1018.3	-71.4	-71.9			1007.5	-75.9	-76.3			1032.1	-86.3	-87.7		
392	-96.6	-99.8	-101.6	-103.6	1018.4	-71.4	-71.9	-73.7	-73.7	1007.5	-76.0	-76.3	-78.0	-77.4	1032.1	-86.4	-87.6	-89.4	-90.8
393	-96.6	-100.0			1018.5	-71.4	-72.1			1007.5	-76.0	-76.4			1032.1	-86.2	-87.6		
394	-96.7	-100.0			1018.3	-71.3	-71.9			1007.5	-76.0	-76.4			1032.1	-86.3	-87.4		
395	-96.7	-100.1			1018.3	-71.3	-71.9			1007.7	-75.9	-76.3			1032.2	-86.3	-87.6		
396	-96.7	-99.8			1018.4	-71.3	-72.0	-73.8	-73.7	1007.6	-75.9	-76.1			1032.1	-86.3	-87.6		
397	-96.7	-100.0			1018.4	-71.2	-72.0			1007.6	-76.0	-76.4			1032.1	-86.2	-87.4		
398	-96.7	-100.0			1018.3	-71.2	-72.0			1007.7	-76.0	-76.3			1032.1	-86.4	-87.6		
399	-96.6	-100.0			1018.3	-71.3	-72.0			1007.5	-76.0	-76.1			1032.1	-86.3	-87.6		
400	-96.6	-100.0	-101.6	-103.6	1018.4	-71.3	-71.9	-73.8	-73.7	1007.5	-76.0	-76.3	-78.1	-77.3	1032.1	-86.1	-87.6	-89.4	-90.8
401	-96.6	-100.0			1018.4	-71.3	-72.0			1007.5	-76.0	-76.3			1032.1	-86.3	-87.4		
402	-96.7	-100.0			1018.3	-71.3	-71.9			1007.6	-75.9	-76.3			1032.1	-86.3	-87.6		
403	-96.6	-99.8			1018.3	-71.3	-71.9			1007.6	-75.9	-76.3			1032.1	-86.3	-87.6		
404	-96.6	-99.8			1018.4	-71.3	-72.0	-73.6	-73.7	1007.6	-76.0	-76.3			1032.1	-86.2	-87.7		
405	-96.7	-100.0			1018.4	-71.3	-72.0			1007.6	-76.0	-76.3			1032.2	-86.0	-87.6		
406	-96.7	-100.0			1018.3	-71.2	-71.8			1007.6	-75.9	-76.3			1032.1	-86.3	-87.6		
407	-96.7	-100.0			1018.3	-71.2	-71.9			1007.6	-75.9	-76.1			1032.1	-86.3	-87.6		
408	-96.6	-99.8	-101.7	-103.5	1018.4	-71.3	-71.9	-73.7	-73.7	1007.5	-75.9	-76.1	-78.0	-77.4	1032.1	-86.4	-87.6	-89.2	-90.8
409	-96.7	-99.8			1018.4	-71.3	-72.0			1007.6	-75.9	-76.3			1032.2	-86.3	-87.6		
410	-96.7	-100.0			1018.3	-71.2	-71.9			1007.6	-76.0	-76.3			1032.1	-86.3	-87.6		
411	-96.7	-100.0			1018.3	-71.2	-71.9			1007.6	-75.9	-76.3			1032.2	-86.1	-87.4		
412	-96.6	-100.0			1018.4	-71.3	-72.0	-73.7	-73.7	1007.5	-75.9	-76.2			1032.0	-86.3	-87.4		
413	-96.9	-100.0			1018.2	-71.3	-72.0			1007.6	-76.0	-76.3			1032.1	-86.1	-87.4		
414	-96.7	-100.0			1018.3	-71.2	-71.9			1007.6	-76.0	-76.3			1032.2	-86.3	-87.6		
415	-96.7	-100.0			1018.3	-71.2	-71.9			1007.7	-75.9	-76.2			1032.1	-86.3	-87.6		
416	-96.6	-99.9	-101.7	-103.5	1018.3	-71.3	-71.9	-73.6	-73.5	1007.5	-75.8	-76.2	-77.9	-77.4	1032.1	-86.3	-87.6	-89.4	-90.5
417	-96.6	-99.9			1018.3	-71.3	-72.0			1007.6	-75.9	-76.3			1032.1	-86.2	-87.7		
418	-96.7	-99.9			1018.4	-71.3	-72.0			1007.5	-76.0	-76.3			1032.2	-86.2	-87.4		
419	-96.7	-99.9			1018.3	-71.2	-72.0			1007.7	-75.9	-76.3			1032.2	-86.3	-87.4		
420	-96.7	-99.9			1018.4	-71.2	-71.9	-73.6	-73.7	1007.6	-75.9	-76.3			1032.2	-86.3	-87.6		
421	-96.7	-99.8			1018.3	-71.2	-71.9			1007.5	-75.9	-76.3			1032.1	-86.3	-87.6		
422	-96.6	-99.9			1018.3	-71.2	-71.9			1007.5	-75.9	-76.2			1032.1	-86.3	-87.6		
423	-96.6	-99.7			1018.3	-71.3	-72.0			1007.5	-76.0	-76.2			1032.1	-86.2	-87.6		
424	-96.6	-99.8	-101.4	-103.6	1018.4	-71.3	-72.0	-73.7	-73.7	1007.5	-75.9	-76.3	-78.0	-77.3	1032.1	-86.2	-87.6	-89.4	-90.8
425	-96.7	-99.9			1018.3	-71.3	-72.0			1007.6	-75.9	-76.4			1032.2	-86.2	-87.6		
426	-96.7	-99.9			1018.4	-71.2	-71.9			1007.5	-75.9	-76.3			1032.1	-86.3	-87.4		
427	-96.9	-99.9			1018.3	-71.2	-71.9			1007.5	-75.9	-76.2			1032.1	-86.3	-87.6		
428	-96.7	-99.9			1018.3	-71.2	-72.0	-73.7	-73.8	1007.6	-76.1	-76.3			1032.2	-86.3	-87.4		
429	-96.7	-99.8			1018.4	-71.2	-71.9			1007.6	-75.9	-76.3			1032.2	-86.3	-87.6		
430	-96.9	-99.9			1018.3	-71.2	-71.9			1007.6	-75.9	-76.2			1032.2	-86.2	-87.6		
431	-96.7	-99.8			1018.4	-71.3	-71.9			1007.5	-75.9	-76.2			1032.2	-86.2	-87.4		
432	-96.6	-99.8	-101.4	-103.6	1018.4	-71.3	-72.0	-73.6	-73.7	1007.6	-75.9	-76.2	-78.0	-77.3	1032.1	-86.1	-87.6	-89.2	-90.8
433	-96.7	-99.8			1018.3	-71.2	-72.0			1007.6	-75.9	-76.3			1032.1	-86.1	-87.5		
434	-96.6	-99.9			1018.3	-71.2	-71.8			1007.6	-75.8	-76.3			1032.1	-86.1	-87.4		
435	-96.7	-99.8			1018.2	-71.2	-71.9			1007.5	-75.9	-76.2			1032.2	-86.3	-87.5		
436	-96.6	-99.8			1018.4	-71.3	-71.9	-73.6	-73.6	1007.6	-75.9	-76.2			1032.1	-86.3	-87.5		
437	-96.6	-99.8			1018.4	-71.2	-72.0			1007.5	-75.8	-76.2			1032.1	-86.1	-87.5		
438	-96.7	-99.8			1018.4	-71.3	-71.9			1007.6	-75.8	-76.2			1032.1	-86.1	-87.4		
439	-96.6	-99.7			1018.4	-71.2	-72.0			1007.6	-76.0	-76.3			1032.2	-86.1	-87.4		
440	-96.7	-99.8	-101.6	-103.6	1018.4	-71.2	-71.9	-73.7	-73.7	1007.6	-75.9	-76.2	-77.9	-77.3	1032.2	-86.2	-87.5	-89.2	-90.8
441	-96.6	-99.9			1018.3	-71.1	-71.9			1007.5	-75.9	-76.3			1032.1	-86.1	-87.4		
442	-96.7	-99.9			1018.3	-71.2	-71.8			1007.5	-75.9	-76.3			1032.2	-86.3	-87.5		
443	-96.7	-99.8			1018.4	-71.2	-71.9			1007.6	-75.9	-76.2			1032.1	-86.3	-87.5		
444	-96.6	-99.9			1018.4	-71.1	-72.1	-73.6	-73.6	1007.6	-75.9	-76.3			1032.1	-86.1	-87.4		
445	-96.6	-99.9			1018.4	-71.2	-71.9			1007.6	-75.9	-76.4			1032.2	-86.1	-87.4		
446	-96.6	-99.8			1018.3	-71.2	-71.9			1007.7	-75.9	-76.2			1032.2	-86.3	-87.4		
447	-96.6	-100.1			1018.3	-71.1	-71.9			1007.5	-75.9	-75.9			1032.1	-86.1	-87.4		
448	-96.5	-99.9	-101.5	-103.5	1018.4	-71.2	-71.9	-73.6	-73.6	1007.6	-75.7	-76.2	-77.9	-77.3	1032.1	-86.3	-87.4	-89.2	-90.6
449	-96.5	-99.6			1018.4	-71.2	-71.9			1007.6	-75.8	-76.2			1032.0	-86.2	-87.5		
450	-96.5	-99.9			1018.4	-71.2	-71.9			1007.5	-75.9	-76.2			1032.2	-86.1	-87.5		
451	-96.7	-99.8			1018.4	-71.2	-72.0			1007.6	-75.9	-76.2			1032.2	-86.1	-87.4		
452	-96.5	-99.9			1018.3	-71.3	-71.8	-73.6	-73.7	1007.5	-75.8	-76.2			1032.1	-86.2	-87.4		
453	-96.5	-99.6			1018.4	-71.2	-71.9			1007.5	-75.8	-76.2			1032.1	-86.2	-87.5		
454	-96.5	-99.8			1018.4	-71.2	-71.9			1007.5	-75.9	-76.2			1032.1	-86.1	-87.5		
455	-96.4	-99.8			1018.4	-71.2	-71.9			1007.5	-75.8	-76.2			1032.0	-86.1	-87.4		
456	-96.5	-99.8	-101.4	-103.4	1018.4	-71.2	-71.9	-73.7	-73.7	1007.6	-75.8	-76.2	-78.0	-77.3	1032.1	-86.1	-87.4	-89.2	-90.6
457	-96.4	-99.8			1018.4	-71.2	-72.0			1007.6	-76.0	-76.3			1032.1	-86.0	-87.4		
458	-96.5	-99.8			1018.4	-71.1	-71.9			1007.6	-75.9	-76.3			1032.2	-86.1	-87.4		
459	-96.8	-99.9			1018.4	-71.2	-71.9			1007.6	-75.8	-76.2			1032.2	-86.1	-87.4		
460	-96.5	-99.9			1018.3	-71.2	-71.9	-73.7	-73.7	1007.6	-75.9	-76.2			1032.2	-86.1	-87.3		
461	-96.5	-99.8			1018.4	-71.2	-71.8			1007.5	-75.9	-76.2			1032.1	-86.1	-87.5		
462	-96.5	-99.6			1018.4	-71.2	-71.9			1007.6	-75.9	-76.2			1032.1	-86.1	-87.5		
463	-96.4	-99.6			1018.4	-71.2	-71.9			1007.6	-75.8	-76.2			1032.1	-86.1	-87.4		
464	-96.5	-99.8	-101.4	-103.4	1018.3	-71.2	-71.8	-73.6	-73.6	1007.6	-75.9	-76.3	-77.9	-77.3	1032.1	-86.0	-87.4	-89.2	-90.7
465	-96.5	-99.8			1018.4	-71.2	-71.9			1007.5	-75.9	-76.2			1032.1	-86.0	-87.4		
466	-96.5	-99.8			1018.4	-71.2	-72.0			1007.6	-75.8	-76.3			1032.2	-86.0	-87.4		
467	-96.7	-99.8			1018.4	-71.1	-71.9			1007.6	-75.9	-76.3			1032.2	-86.0	-87.4		
468	-96.5	-99.8			1018.3	-71.1	-71.9	-73.5	-73.6	1007.6	-75.8	-76.2			1032.1	-86.1	-87.6		
469	-96.5	-99.8			1018.4	-71.2	-71.9			1007.6	-75.9	-76.2			1032.1	-86.1	-87.6		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
470	-96.5	-99.8			1018.4	-71.2	-71.8			1007.6	-75.8	-76.2			1032.2	-86.1	-87.4		
471	-96.5	-99.5			1018.4	-71.3	-71.9			1007.6	-75.9	-76.2			1032.1	-86.1	-87.4		
472	-96.4	-99.8	-101.4	-103.4	1018.4	-71.2	-71.9	-73.7	-73.5	1007.6	-75.8	-76.4	-78.0	-77.1	1032.1	-86.1	-87.4	-89.1	-90.6
473	-96.5	-99.8			1018.4	-71.1	-71.8			1007.6	-76.0	-76.2			1032.2	-86.1	-87.3		
474	-96.5	-99.8			1018.4	-71.2	-71.8			1007.6	-75.9	-76.3			1032.2	-86.1	-87.3		
475	-96.7	-99.8			1018.3	-71.1	-71.8			1007.7	-75.9	-76.2			1032.2	-86.1	-87.3		
476	-96.5	-99.8			1018.3	-71.1	-71.9	-73.7	-73.5	1007.7	-75.8	-76.2			1032.2	-86.1	-87.5		
477	-96.7	-99.8			1018.3	-71.2	-71.9			1007.6	-75.9	-76.2			1032.2	-86.1	-87.4		
478	-96.5	-99.9			1018.3	-71.2	-71.8			1007.6	-75.9	-76.2			1032.1	-86.1	-87.5		
479	-96.4	-99.8			1018.4	-71.2	-71.9			1007.6	-75.8	-76.2			1032.2	-86.1	-87.3		
480	-96.4	-99.8	-101.4	-103.3	1018.4	-71.2	-71.8	-73.5	-73.5	1007.5	-75.8	-76.0	-77.8	-77.2	1032.0	-86.1	-87.3	-89.3	-90.6
481	-96.5	-99.6			1018.4	-71.1	-71.9			1007.6	-75.8	-76.1			1032.1	-86.1	-87.4		
482	-96.5	-99.8			1018.4	-71.0	-71.9			1007.5	-75.8	-76.1			1032.1	-86.1	-87.3		
483	-96.5	-99.8			1018.4	-71.2	-71.9			1007.6	-75.8	-76.1			1032.1	-86.1	-87.5		
484	-96.5	-99.8			1018.4	-71.2	-71.9	-73.6	-73.5	1007.6	-75.8	-76.3			1032.2	-86.0	-87.4		
485	-96.5	-99.8			1018.3	-71.2	-71.8			1007.6	-75.8	-76.1			1032.1	-86.0	-87.4		
486	-96.7	-99.6			1018.3	-71.0	-71.8			1007.6	-75.8	-76.0			1032.2	-86.0	-87.3		
487	-96.4	-99.6			1018.4	-71.0	-71.8			1007.7	-75.9	-76.3			1032.1	-86.0	-87.3		
488	-96.7	-99.8	-101.4	-103.4	1018.4	-71.2	-71.9	-73.6	-73.6	1007.7	-75.8	-76.1	-77.8	-77.2	1032.2	-86.0	-87.4	-89.2	-90.5
489	-96.5	-99.6			1018.3	-71.0	-71.9			1007.6	-75.8	-76.1			1032.2	-86.0	-87.4		
490	-96.4	-99.8			1018.4	-71.1	-71.9			1007.6	-75.8	-76.3			1032.1	-86.0	-87.4		
491	-96.4	-99.6			1018.4	-71.1	-72.0			1007.6	-75.8	-76.1			1032.1	-86.0	-87.4		
492	-96.5	-99.8			1018.4	-71.0	-71.9	-73.6	-73.4	1007.6	-75.8	-76.2			1032.1	-86.0	-87.4		
493	-96.5	-99.8			1018.3	-71.1	-71.6			1007.6	-75.9	-76.1			1032.2	-86.1	-87.3		
494	-96.4	-99.8			1018.3	-71.1	-71.6			1007.6	-75.9	-76.1			1032.2	-86.0	-87.3		
495	-96.5	-99.8			1018.4	-70.9	-71.8			1007.6	-75.8	-76.1			1032.2	-86.0	-87.4		
496	-96.5	-99.7	-101.2	-103.4	1018.3	-71.0	-71.8	-73.6	-73.5	1007.6	-75.8	-76.0	-78.0	-77.1	1032.1	-86.0	-87.1	-89.1	-90.6
497	-96.4	-99.7			1018.4	-71.1	-71.9			1007.6	-75.7	-76.2			1032.1	-86.0	-87.3		
498	-96.5	-99.7			1018.4	-71.0	-71.9			1007.6	-75.7	-76.1			1032.1	-86.0	-87.3		
499	-96.5	-99.7			1018.4	-71.1	-71.9			1007.6	-75.7	-76.1			1032.2	-86.0	-87.5		
500	-96.5	-99.7			1018.4	-71.1	-71.7	-73.7	-73.6	1007.7	-75.7	-76.1			1032.2	-86.0	-87.4		
501	-96.4	-99.7			1018.4	-71.0	-71.9			1007.6	-75.7	-76.1			1032.2	-86.1	-87.4		
502	-96.4	-99.6			1018.4	-71.1	-71.9			1007.6	-75.7	-76.1			1032.1	-86.0	-87.3		
503	-96.4	-99.6			1018.4	-71.1	-71.7			1007.5	-75.7	-76.0			1032.2	-86.0	-87.3		
504	-96.4	-99.6	-101.4	-103.4	1018.4	-71.1	-71.7	-73.5	-73.5	1007.7	-75.7	-76.1	-77.8	-77.2	1032.2	-86.1	-87.4	-89.1	-90.6
505	-96.4	-99.7			1018.4	-70.9	-71.9			1007.7	-75.7	-76.1			1032.2	-85.9	-87.3		
506	-96.5	-99.7			1018.3	-71.1	-71.7			1007.6	-75.9	-76.1			1032.2	-86.0	-87.3		
507	-96.5	-99.7			1018.3	-71.0	-71.7			1007.7	-75.9	-76.0			1032.2	-86.1	-87.3		
508	-96.4	-99.7			1018.4	-71.0	-71.9	-73.5	-73.5	1007.6	-75.7	-76.1			1032.4	-86.1	-87.5		
509	-96.4	-99.7			1018.3	-71.0	-71.7			1007.6	-75.7	-76.1			1032.2	-86.0	-87.3		
510	-96.4	-99.6			1018.4	-71.0	-71.9			1007.7	-75.7	-76.0			1032.2	-86.0	-87.3		
511	-96.4	-99.7			1018.4	-70.9	-71.7			1007.6	-75.7	-76.1			1032.2	-86.0	-87.3		
512	-96.5	-99.7	-101.2	-103.4	1018.3	-71.0	-71.7	-73.5	-73.5	1007.7	-75.7	-76.1	-77.8	-77.2	1032.2	-86.0	-87.4	-89.2	-90.5
513	-96.5	-99.7			1018.4	-71.0	-71.8			1007.6	-75.7	-76.2			1032.2	-86.0	-87.3		
514	-96.4	-99.7			1018.4	-70.9	-71.7			1007.6	-75.7	-76.1			1032.1	-86.0	-87.3		
515	-96.4	-99.6			1018.5	-71.1	-71.8			1007.5	-75.7	-76.1			1032.2	-86.0	-87.4		
516	-96.4	-99.6			1018.3	-71.1	-71.7	-73.5	-73.5	1007.7	-75.6	-76.0			1032.1	-86.1	-87.3		
517	-96.2	-99.6			1018.4	-70.9	-71.7			1007.7	-75.7	-76.1			1032.2	-86.0	-87.4		
518	-96.4	-99.6			1018.4	-71.0	-71.7			1007.7	-75.6	-76.0			1032.4	-86.1	-87.4		
519	-96.4	-99.6			1018.4	-71.0	-71.7			1007.6	-75.6	-76.1			1032.2	-86.0	-87.3		
520	-96.4	-99.7	-101.5	-103.4	1018.5	-70.9	-71.8	-73.5	-73.5	1007.5	-75.7	-76.1	-77.8	-77.1	1032.2	-86.0	-87.3	-89.1	-90.6
521	-96.4	-99.7			1018.3	-71.0	-71.7			1007.6	-75.6	-76.0			1032.1	-86.1	-87.4		
522	-96.5	-99.6			1018.4	-71.0	-71.7			1007.6	-75.7	-76.1			1032.2	-86.0	-87.4		
523	-96.4	-99.6			1018.4	-70.9	-71.7			1007.6	-75.7	-76.1			1032.1	-86.0	-87.4		
524	-96.4	-99.6			1018.4	-71.0	-71.7	-73.5	-73.4	1007.6	-75.7	-76.0			1032.2	-86.0	-87.5		
525	-96.4	-99.7			1018.4	-71.0	-71.7			1007.6	-75.7	-76.0			1032.1	-86.0	-87.3		
526	-96.4	-99.6			1018.4	-71.0	-71.6			1007.6	-75.7	-76.0			1032.2	-86.0	-87.4		
527	-96.4	-99.7			1018.4	-71.0	-71.6			1007.6	-75.6	-76.1			1032.1	-86.0	-87.1		
528	-96.2	-99.6	-101.4	-103.3	1018.4	-70.9	-71.6	-73.5	-73.5	1007.7	-75.7	-76.0	-77.7	-77.1	1032.1	-86.0	-87.3	-89.2	-90.6
529	-96.5	-99.7			1018.4	-71.0	-71.7			1007.6	-75.7	-76.0			1032.1	-86.0	-87.3		
530	-96.4	-99.6			1018.4	-71.1	-71.6			1007.6	-75.7	-76.1			1032.1	-86.0	-87.4		
531	-96.5	-99.6			1018.4	-71.0	-71.7			1007.6	-75.6	-76.0			1032.2	-86.0	-87.3		
532	-96.5	-99.6			1018.4	-71.0	-71.7	-73.4	-73.5	1007.6	-75.7	-76.1			1032.2	-86.0	-87.3		
533	-96.2	-99.6			1018.4	-71.0	-71.7			1007.5	-75.7	-76.2			1032.2	-86.0	-87.3		
534	-96.5	-99.6			1018.4	-70.9	-71.7			1007.5	-75.7	-76.1			1032.2	-86.0	-87.3		
535	-96.2	-99.6			1018.4	-71.1	-71.6			1007.5	-75.7	-76.1			1032.2	-86.1	-87.4		
536	-96.5	-99.7	-101.4	-103.3	1018.4	-71.0	-71.8	-73.5	-73.4	1007.6	-75.7	-76.0	-77.8	-77.1	1032.2	-86.0	-87.3	-89.1	-90.6
537	-96.4	-99.6			1018.4	-70.9	-71.7			1007.7	-75.6	-76.1			1032.2	-86.1	-87.3		
538	-96.4	-99.7			1018.4	-71.0	-71.6			1007.7	-75.7	-76.1			1032.1	-85.8	-87.3		
539	-96.4	-99.5			1018.4	-70.9	-71.7			1007.6	-75.6	-76.0			1032.2	-86.0	-87.3		
540	-96.4	-99.8			1018.3	-71.0	-71.6	-73.4	-73.5	1007.7	-75.8	-76.1			1032.1	-86.0	-87.3		
541	-96.3	-99.6			1018.4	-70.9	-71.6			1007.6	-75.6	-76.0			1032.2	-86.0	-87.3		
542	-96.4	-99.6			1018.4	-71.0	-71.7			1007.6	-75.7	-76.1			1032.2	-86.0	-87.3		
543	-96.4	-99.6			1018.5	-71.0	-71.6			1007.6	-75.7	-76.0			1032.2	-86.0	-87.3		
544	-96.4	-99.6	-101.2	-103.3	1018.4	-71.0	-71.8	-73.4	-73.5	1007.6	-75.8	-76.0	-77.8	-77.2	1032.1	-85.8	-87.1	-89.0	-90.5
545	-96.4	-99.6			1018.4	-71.0	-71.7			1007.6	-75.6	-76.0			1032.2	-85.9	-87.2		
546	-96.4	-99.5			1018.5	-71.1	-71.8			1007.6	-75.7	-76.1			1032.2	-85.9	-87.1		
547	-96.4	-99.6			1018.3	-70.9	-71.8			1007.7	-75.7	-76.0			1032.3	-85.9	-87.2		
548	-96.4	-99.6			1018.4	-71.0	-71.7	-73.5	-73.6	1007.6	-75.7	-76.0			1032.2	-85.9	-87.2		
549	-96.3	-99.7			1018.3	-70.9	-71.6			1007.7	-75.6	-75.8			1032.3	-85.9	-87.2		
550	-96.3	-99.5			1018.4	-71.1	-71.8			1007.6	-75.6	-76.1			1032.1	-85.9	-87.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
551	-96.5	-99.6			1018.3	-71.0	-71.7			1007.6	-75.7	-76.0			1032.2	-85.9	-87.2		
552	-96.4	-99.6	-101.2	-103.3	1018.5	-70.9	-71.6	-73.5	-73.6	1007.6	-75.7	-76.0	-77.8	-77.2	1032.2	-85.9	-87.2	-89.0	-90.6
553	-96.4	-99.6			1018.4	-70.8	-71.8			1007.6	-75.7	-76.1			1032.1	-85.8	-87.2		
554	-96.4	-99.6			1018.5	-70.9	-71.6			1007.6	-75.7	-76.1			1032.2	-85.9	-87.2		
555	-96.4	-99.6			1018.4	-71.0	-71.7			1007.6	-75.7	-76.1			1032.1	-85.9	-87.2		
556	-96.2	-99.6			1018.4	-70.9	-71.6	-73.4	-73.5	1007.7	-75.7	-75.9			1032.2	-85.9	-87.2		
557	-96.2	-99.6			1018.5	-71.0	-71.6			1007.7	-75.7	-76.1			1032.2	-85.9	-87.2		
558	-96.2	-99.6			1018.5	-71.0	-71.7			1007.7	-75.7	-76.1			1032.2	-85.7	-87.1		
559	-96.4	-99.6			1018.5	-70.9	-71.7			1007.7	-75.6	-75.9			1032.2	-85.9	-87.2		
560	-96.4	-99.6	-101.2	-103.4	1018.5	-70.9	-71.8	-73.5	-73.5	1007.7	-75.5	-76.1	-77.7	-77.2	1032.1	-85.8	-87.2	-88.9	-90.5
561	-96.4	-99.6			1018.4	-70.9	-71.6			1007.6	-75.6	-75.9			1032.2	-85.8	-87.2		
562	-96.1	-99.6			1018.4	-71.0	-71.6			1007.7	-75.5	-75.9			1032.2	-85.9	-87.2		
563	-96.2	-99.5			1018.4	-71.0	-71.7			1007.6	-75.6	-76.1			1032.2	-85.8	-87.1		
564	-96.2	-99.5			1018.4	-70.9	-71.7	-73.5	-73.5	1007.7	-75.5	-76.1			1032.2	-85.8	-87.4		
565	-96.4	-99.6			1018.4	-70.9	-71.7			1007.6	-75.8	-76.0			1032.2	-85.9	-87.1		
566	-96.2	-99.6			1018.5	-71.0	-71.6			1007.7	-75.7	-76.1			1032.3	-85.8	-87.2		
567	-96.2	-99.6			1018.4	-71.1	-71.6			1007.7	-75.6	-76.0			1032.2	-85.9	-87.2		
568	-96.4	-99.5	-101.2	-103.3	1018.4	-70.9	-71.6	-73.4	-73.5	1007.7	-75.6	-76.1	-77.7	-77.2	1032.1	-85.8	-87.1	-88.9	-90.6
569	-96.2	-99.6			1018.4	-71.0	-71.6			1007.6	-75.6	-76.0			1032.2	-85.9	-87.2		
570	-96.1	-99.6			1018.4	-71.0	-71.6			1007.6	-75.5	-76.1			1032.2	-85.8	-87.3		
571	-96.4	-99.6			1018.4	-70.9	-71.6			1007.6	-75.6	-76.0			1032.1	-85.7	-87.1		
572	-96.4	-99.6			1018.4	-70.9	-71.7	-73.4	-73.5	1007.6	-75.7	-76.1			1032.2	-85.8	-87.1		
573	-96.4	-99.6			1018.4	-70.9	-71.6			1007.6	-75.7	-76.0			1032.2	-85.8	-87.1		
574	-96.2	-99.6			1018.5	-70.9	-71.6			1007.7	-75.6	-76.0			1032.3	-86.1	-87.1		
575	-96.2	-99.6			1018.5	-70.9	-71.8			1007.7	-75.5	-76.0			1032.2	-85.8	-87.2		
576	-96.2	-99.6	-101.1	-103.1	1018.5	-70.8	-71.6	-73.4	-73.6	1007.6	-75.6	-76.1	-77.7	-77.1	1032.2	-85.9	-87.1	-88.9	-90.4
577	-96.4	-99.6			1018.4	-70.9	-71.6			1007.7	-75.6	-75.8			1032.2	-85.8	-87.1		
578	-96.2	-99.5			1018.4	-70.9	-71.6			1007.7	-75.7	-76.0			1032.2	-85.8	-87.2		
579	-96.2	-99.5			1018.4	-70.9	-71.7			1007.6	-75.7	-75.9			1032.2	-85.8	-87.1		
580	-96.4	-99.6			1018.4	-71.0	-71.6	-73.4	-73.3	1007.6	-75.7	-75.8			1032.2	-85.9	-87.0		
581	-96.2	-99.5			1018.5	-70.9	-71.6			1007.7	-75.6	-75.9			1032.3	-86.1	-87.2		
582	-96.2	-99.6			1018.5	-70.9	-71.6			1007.6	-75.6	-75.8			1032.3	-85.8	-87.2		
583	-96.2	-99.5			1018.5	-70.9	-71.6			1007.7	-75.5	-76.1			1032.2	-85.8	-87.1		
584	-96.2	-99.5	-101.2	-103.3	1018.5	-70.9	-71.6	-73.4	-73.5	1007.6	-75.6	-75.9	-77.7	-76.9	1032.1	-85.7	-87.1	-89.0	-90.3
585	-96.2	-99.6			1018.6	-70.9	-71.6			1007.6	-75.7	-75.8			1032.2	-85.8	-87.1		
586	-96.2	-99.6			1018.4	-70.9	-71.5			1007.7	-75.6	-75.8			1032.2	-85.8	-87.2		
587	-96.2	-99.5			1018.4	-70.9	-71.6			1007.7	-75.5	-75.9			1032.2	-85.9	-87.1		
588	-96.2	-99.6			1018.4	-70.9	-71.5	-73.4	-73.3	1007.6	-75.6	-75.9			1032.2	-85.9	-87.2		
589	-96.1	-99.6			1018.5	-70.9	-71.5			1007.6	-75.6	-75.9			1032.3	-85.9	-87.1		
590	-96.2	-99.6			1018.4	-70.9	-71.6			1007.7	-75.6	-75.8			1032.2	-85.8	-87.1		
591	-96.2	-99.5			1018.4	-70.8	-71.7			1007.7	-75.6	-75.9			1032.2	-85.8	-87.1		
592	-96.4	-99.5	-101.2	-103.3	1018.4	-70.9	-71.6	-73.4	-73.3	1007.7	-75.6	-76.1	-77.8	-77.1	1032.1	-85.7	-87.1	-89.0	-90.4
593	-96.1	-99.6			1018.4	-70.9	-71.5			1007.6	-75.6	-75.8			1032.1	-85.8	-87.2		
594	-96.2	-99.5			1018.4	-71.0	-71.6			1007.6	-75.7	-75.9			1032.2	-85.8	-87.2		
595	-96.2	-99.6			1018.5	-70.9	-71.7			1007.6	-75.6	-76.1			1032.2	-85.8	-87.0		
596	-96.2	-99.3			1018.5	-70.9	-71.6	-73.3	-73.5	1007.7	-75.6	-75.9			1032.2	-85.8	-87.1		
597	-96.2	-99.6			1018.4	-70.9	-71.6			1007.7	-75.5	-75.8			1032.3	-85.8	-87.0		
598	-96.2	-99.6			1018.3	-70.9	-71.6			1007.6	-75.6	-75.9			1032.2	-85.9	-87.1		
599	-96.2	-99.6			1018.4	-70.8	-71.6			1007.6	-75.7	-75.8			1032.2	-85.7	-87.1		
600	-96.1	-99.5	-101.2	-103.4	1018.4	-70.9	-71.6	-73.4	-73.3	1007.7	-75.6	-75.9	-77.8	-77.0	1032.3	-85.8	-87.1	-88.9	-90.5
601	-96.2	-99.3			1018.5	-70.9	-71.7			1007.7	-75.6	-75.9			1032.2	-85.7	-87.1		
602	-96.4	-99.5			1018.5	-70.9	-71.6			1007.7	-75.5	-75.9			1032.3	-85.8	-87.2		
603	-96.2	-99.6			1018.5	-70.9	-71.5			1007.7	-75.5	-75.9			1032.2	-85.8	-87.2		
604	-96.2	-99.6			1018.4	-70.9	-71.6	-73.4	-73.3	1007.7	-75.6	-75.9			1032.2	-85.7	-87.1		
605	-96.4	-99.5			1018.4	-70.9	-71.5			1007.6	-75.6	-75.8			1032.2	-85.8	-87.0		
606	-96.2	-99.6			1018.5	-70.9	-71.5			1007.7	-75.6	-75.8			1032.2	-85.8	-87.1		
607	-96.2	-99.6			1018.5	-70.9	-71.6			1007.7	-75.6	-75.8			1032.2	-85.8	-87.2		
608	-96.1	-99.3	-101.2	-103.3	1018.4	-70.9	-71.6	-73.4	-73.6	1007.6	-75.5	-75.8	-77.7	-77.1	1032.2	-85.8	-87.2	-88.9	-90.3
609	-96.1	-99.3			1018.4	-70.9	-71.6			1007.6	-75.5	-75.9			1032.2	-85.8	-87.2		
610	-96.2	-99.4			1018.4	-70.9	-71.7			1007.6	-75.5	-75.9			1032.3	-85.8	-87.0		
611	-96.1	-99.6			1018.5	-70.9	-71.6			1007.7	-75.6	-75.9			1032.1	-85.7	-87.0		
612	-96.1	-99.4			1018.5	-70.9	-71.6	-73.5	-73.4	1007.7	-75.5	-76.1			1032.2	-85.8	-87.1		
613	-96.1	-99.3			1018.5	-70.9	-71.6			1007.7	-75.5	-75.9			1032.3	-85.8	-87.1		
614	-96.1	-99.4			1018.5	-70.7	-71.7			1007.6	-75.5	-75.9			1032.3	-85.7	-87.1		
615	-96.1	-99.3			1018.4	-70.7	-71.6			1007.7	-75.6	-75.9			1032.2	-85.7	-87.1		
616	-96.2	-99.4	-101.2	-103.1	1018.4	-70.7	-71.6	-73.4	-73.6	1007.6	-75.7	-75.9	-77.8	-77.2	1032.2	-85.8	-87.1	-88.9	-90.5
617	-96.2	-99.4			1018.5	-70.9	-71.6			1007.7	-75.6	-75.9			1032.1	-85.7	-87.0		
618	-96.2	-99.3			1018.4	-70.7	-71.5			1007.7	-75.6	-75.8			1032.2	-85.7	-87.1		
619	-96.1	-99.4			1018.4	-70.9	-71.5			1007.7	-75.6	-75.7			1032.2	-85.7	-87.0		
620	-96.2	-99.4			1018.4	-70.7	-71.5	-73.4	-73.4	1007.7	-75.5	-75.8			1032.2	-85.8	-87.1		
621	-96.1	-99.4			1018.3	-70.7	-71.5			1007.7	-75.6	-75.8			1032.2	-85.8	-87.2		
622	-96.1	-99.4			1018.5	-70.7	-71.6			1007.8	-75.5	-75.9			1032.2	-85.8	-87.0		
623	-96.2	-99.4			1018.5	-70.9	-71.5			1007.7	-75.5	-75.9			1032.2	-85.7	-87.1		
624	-96.1	-99.4	-101.2	-103.3	1018.5	-70.9	-71.6	-73.3	-73.4	1007.7	-75.6	-75.8	-77.5	-77.0	1032.3	-85.7	-87.1	-88.9	-90.6
625	-96.1	-99.4			1018.5	-70.8	-71.6			1007.7	-75.4	-75.9			1032.3	-85.8	-87.2		
626	-96.1	-99.4			1018.5	-70.9	-71.6			1007.6	-75.6	-75.8			1032.2	-85.7	-87.2		
627	-96.1	-99.4			1018.5	-70.9	-71.6			1007.7	-75.5	-75.8			1032.3	-85.8	-87.1		
628	-96.1	-99.6			1018.4	-70.7	-71.5	-73.4	-73.4	1007.6	-75.6	-75.8			1032.1	-85.8	-87.1		
629	-96.2	-99.6			1018.4	-70.7	-71.5			1007.6	-75.6	-75.8			1032.2	-85.7	-87.0		
630	-96.2	-99.6			1018.4	-70.7	-71.6			1007.7	-75.5	-75.8			1032.2	-85.7	-87.1		
631	-96.2	-99.4			1018.4	-70.9	-71.6			1007.8	-75.5	-75.8			1032.2	-85.8	-87.1		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
632	-96.2	-99.6	-101.1	-103.2	1018.4	-70.6	-71.5	-73.3	-73.3	1007.8	-75.6	-75.9	-77.8	-77.2	1032.2	-85.7	-87.1	-88.9	-90.5
633	-96.1	-99.4			1018.5	-70.6	-71.5			1007.6	-75.6	-75.8			1032.1	-85.7	-87.1		
634	-95.9	-99.4			1018.5	-70.7	-71.6			1007.7	-75.5	-75.8			1032.2	-85.7	-87.1		
635	-96.1	-99.4			1018.4	-70.9	-71.5			1007.7	-75.6	-75.8			1032.2	-85.7	-87.2		
636	-95.9	-99.6			1018.4	-70.7	-71.5	-73.4	-73.3	1007.7	-75.6	-75.8			1032.2	-85.7	-87.0		
637	-96.1	-99.6			1018.4	-70.6	-71.6			1007.7	-75.5	-75.8			1032.2	-85.8	-87.1		
638	-96.1	-99.4			1018.5	-70.7	-71.6			1007.7	-75.5	-75.8			1032.2	-85.7	-87.1		
639	-96.1	-99.3			1018.5	-70.9	-71.6			1007.7	-75.5	-75.8			1032.3	-85.7	-87.1		
640	-96.0	-99.4	-101.2	-103.1	1018.5	-70.7	-71.6	-73.4	-73.4	1007.7	-75.5	-75.8	-77.6	-77.2	1032.3	-85.8	-87.1	-88.9	-90.3
641	-96.0	-99.4			1018.6	-70.9	-71.6			1007.7	-75.5	-75.8			1032.3	-85.7	-87.1		
642	-96.2	-99.3			1018.5	-70.7	-71.6			1007.6	-75.4	-75.9			1032.2	-85.8	-87.1		
643	-96.0	-99.3			1018.5	-70.7	-71.7			1007.6	-75.6	-75.9			1032.2	-85.6	-87.0		
644	-96.0	-99.4			1018.5	-70.8	-71.4	-73.3	-73.3	1007.7	-75.4	-75.9			1032.3	-85.7	-87.1		
645	-96.0	-99.4			1018.5	-70.7	-71.6			1007.7	-75.4	-75.8			1032.3	-85.8	-87.1		
646	-96.0	-99.3			1018.5	-70.8	-71.6			1007.7	-75.4	-75.8			1032.3	-85.8	-87.1		
647	-96.0	-99.3			1018.5	-70.8	-71.4			1007.7	-75.4	-75.8			1032.3	-85.7	-87.1		
648	-96.0	-99.4	-101.0	-103.2	1018.5	-70.8	-71.6	-73.4	-73.3	1007.6	-75.4	-75.8	-77.6	-77.0	1032.3	-85.6	-87.1	-88.8	-90.3
649	-95.9	-99.3			1018.5	-70.7	-71.6			1007.7	-75.3	-75.8			1032.2	-85.6	-87.1		
650	-96.0	-99.3			1018.6	-70.7	-71.4			1007.7	-75.4	-75.9			1032.2	-85.7	-87.1		
651	-96.0	-99.4			1018.6	-70.8	-71.4			1007.6	-75.4	-75.9			1032.3	-85.6	-87.1		
652	-96.0	-99.3			1018.4	-70.7	-71.6	-73.3	-73.4	1007.6	-75.4	-75.8			1032.3	-85.7	-87.0		
653	-96.0	-99.3			1018.5	-70.6	-71.7			1007.7	-75.4	-75.8			1032.3	-85.7	-87.0		
654	-96.0	-99.4			1018.5	-70.6	-71.6			1007.7	-75.4	-75.9			1032.3	-85.7	-87.0		
655	-96.0	-99.3			1018.5	-70.6	-71.6			1007.7	-75.3	-75.8			1032.3	-85.7	-87.1		
656	-96.0	-99.3	-101.0	-103.2	1018.4	-70.6	-71.4	-73.2	-73.4	1007.6	-75.6	-75.8	-77.7	-76.9	1032.2	-85.7	-87.1	-88.9	-90.3
657	-96.0	-99.4			1018.4	-70.8	-71.6			1007.7	-75.4	-75.8			1032.2	-85.7	-87.1		
658	-96.2	-99.4			1018.5	-70.7	-71.4			1007.6	-75.5	-75.8			1032.3	-85.5	-87.1		
659	-96.2	-99.4			1018.4	-70.6	-71.4			1007.8	-75.4	-75.8			1032.2	-85.7	-86.8		
660	-95.9	-99.3			1018.5	-70.7	-71.5	-73.4	-73.4	1007.6	-75.4	-75.8			1032.2	-85.7	-87.0		
661	-96.0	-99.3			1018.4	-70.6	-71.5			1007.6	-75.4	-75.9			1032.3	-85.7	-87.1		
662	-96.0	-99.3			1018.4	-70.6	-71.4			1007.6	-75.4	-75.8			1032.2	-85.5	-87.0		
663	-96.2	-99.3			1018.4	-70.7	-71.5			1007.6	-75.4	-75.8			1032.2	-85.7	-87.1		
664	-96.2	-99.5	-101.0	-103.1	1018.4	-70.7	-71.4	-73.4	-73.3	1007.7	-75.2	-75.8	-77.6	-77.0	1032.1	-85.7	-87.0	-88.9	-90.4
665	-96.0	-99.2			1018.4	-70.6	-71.5			1007.8	-75.4	-75.9			1032.2	-85.7	-86.8		
666	-96.0	-99.4			1018.5	-70.6	-71.4			1007.8	-75.4	-75.8			1032.2	-85.7	-86.8		
667	-96.0	-99.2			1018.5	-70.6	-71.4			1007.7	-75.4	-75.8			1032.2	-85.7	-87.0		
668	-95.9	-99.2			1018.5	-70.8	-71.3	-73.2	-73.4	1007.7	-75.3	-75.8			1032.2	-85.7	-87.1		
669	-96.0	-99.4			1018.5	-70.6	-71.4			1007.7	-75.4	-75.9			1032.2	-85.7	-87.0		
670	-95.9	-99.2			1018.5	-70.7	-71.4			1007.7	-75.3	-75.8			1032.2	-85.7	-87.0		
671	-96.0	-99.4			1018.4	-70.7	-71.4			1007.7	-75.4	-75.7			1032.2	-85.5	-87.0		
672	-96.2	-99.4	-101.0	-103.1	1018.5	-70.6	-71.4	-73.4	-73.3	1007.7	-75.4	-75.7	-77.6	-77.1	1032.2	-85.5	-86.9	-88.9	-90.4
673	-95.9	-99.2			1018.5	-70.5	-71.5			1007.6	-75.4	-75.8			1032.3	-85.7	-86.9		
674	-96.0	-99.2			1018.6	-70.5	-71.5			1007.7	-75.4	-75.9			1032.3	-85.5	-86.8		
675	-95.9	-99.2			1018.6	-70.7	-71.7			1007.7	-75.4	-75.9			1032.1	-85.5	-87.1		
676	-95.9	-99.2			1018.6	-70.7	-71.4	-73.2	-73.2	1007.7	-75.5	-75.8			1032.3	-85.7	-87.1		
677	-95.9	-99.4			1018.5	-70.6	-71.3			1007.7	-75.3	-75.7			1032.2	-85.7	-87.1		
678	-96.0	-99.4			1018.5	-70.7	-71.4			1007.9	-75.3	-75.7			1032.3	-85.7	-86.9		
679	-96.0	-99.4			1018.5	-70.7	-71.4			1007.7	-75.3	-75.7			1032.3	-85.7	-86.9		
680	-95.9	-99.4	-100.9	-103.0	1018.5	-70.6	-71.4	-73.3	-73.3	1007.7	-75.3	-75.8	-77.6	-77.0	1032.2	-85.5	-87.1	-88.7	-90.4
681	-96.0	-99.4			1018.5	-70.6	-71.4			1007.7	-75.3	-75.6			1032.2	-85.6	-86.9		
682	-96.0	-99.4			1018.4	-70.7	-71.3			1007.7	-75.4	-75.8			1032.2	-85.6	-86.9		
683	-96.1	-99.2			1018.5	-70.6	-71.5			1007.7	-75.2	-75.8			1032.3	-85.6	-86.9		
684	-95.9	-99.4			1018.6	-70.7	-71.3	-73.2	-73.3	1007.8	-75.3	-75.6			1032.2	-85.6	-86.9		
685	-95.9	-99.2			1018.5	-70.6	-71.4			1007.7	-75.3	-75.8			1032.3	-85.5	-86.9		
686	-95.9	-99.2			1018.5	-70.6	-71.3			1007.7	-75.5	-75.6			1032.3	-85.5	-86.9		
687	-96.0	-99.2			1018.5	-70.6	-71.4			1007.7	-75.2	-75.9			1032.3	-85.5	-86.9		
688	-96.0	-99.1	-101.0	-103.2	1018.6	-70.7	-71.5	-73.2	-73.2	1007.7	-75.3	-75.6	-77.7	-77.0	1032.3	-85.5	-86.9	-88.9	-90.3
689	-95.9	-99.2			1018.6	-70.7	-71.4			1007.7	-75.3	-75.6			1032.3	-85.5	-86.9		
690	-95.9	-99.1			1018.6	-70.7	-71.4			1007.8	-75.3	-75.8			1032.3	-85.5	-86.9		
691	-95.9	-99.4			1018.5	-70.6	-71.3			1007.8	-75.4	-75.8			1032.3	-85.5	-86.9		
692	-95.9	-99.2			1018.5	-70.6	-71.4	-73.2	-73.3	1007.7	-75.4	-75.8			1032.2	-85.5	-86.9		
693	-95.9	-99.2			1018.5	-70.7	-71.7			1007.7	-75.3	-75.8			1032.3	-85.5	-86.9		
694	-95.9	-99.2			1018.5	-70.6	-71.3			1007.7	-75.4	-75.8			1032.3	-85.5	-86.8		
695	-95.9	-99.2			1018.5	-70.6	-71.3			1007.7	-75.2	-75.6			1032.3	-85.5	-86.9		
696	-95.8	-99.3	-101.1	-103.0	1018.5	-70.6	-71.3	-73.2	-73.3	1007.7	-75.3	-75.8	-77.6	-77.0	1032.2	-85.6	-87.1	-88.7	-90.4
697	-95.7	-99.1			1018.6	-70.6	-71.4			1007.7	-75.3	-75.6			1032.3	-85.5	-86.9		
698	-96.0	-99.2			1018.5	-70.7	-71.3			1007.8	-75.3	-75.6			1032.3	-85.5	-86.9		
699	-95.8	-99.3			1018.5	-70.6	-71.3			1007.8	-75.3	-75.6			1032.3	-85.5	-86.9		
700	-95.8	-99.1			1018.5	-70.6	-71.3	-73.2	-73.3	1007.7	-75.3	-75.8			1032.3	-85.5	-86.9		
701	-95.8	-99.2			1018.5	-70.6	-71.3			1007.9	-75.4	-75.8			1032.3	-85.6	-86.9		
702	-95.8	-99.2			1018.5	-70.7	-71.4			1007.8	-75.4	-75.6			1032.2	-85.6	-86.9		
703	-95.7	-99.2			1018.5	-70.6	-71.5			1007.7	-75.4	-75.6			1032.3	-85.5	-86.9		
704	-95.7	-99.2	-101.1	-103.0	1018.5	-70.6	-71.5	-73.2	-73.1	1007.7	-75.3	-75.8	-77.7	-76.9	1032.3	-85.4	-86.9	-88.7	-90.4
705	-95.8	-99.2			1018.6	-70.6	-71.3			1007.7	-75.4	-75.6			1032.3	-85.5	-86.9		
706	-95.8	-99.2			1018.6	-70.6	-71.4			1007.8	-75.3	-75.6			1032.2	-85.4	-86.8		
707	-95.8	-99.3			1018.5	-70.5	-71.3			1007.8	-75.3	-75.6			1032.1	-85.5	-86.9		
708	-95.8	-99.1			1018.6	-70.6	-71.3	-73.1	-73.4	1007.8	-75.3	-75.8			1032.5	-85.4	-86.9		
709	-95.7	-99.2			1018.5	-70.6	-71.4			1007.7	-75.3	-75.6			1032.3	-85.5	-86.9		
710	-95.8	-99.2			1018.6	-70.5	-71.3			1007.7	-75.2	-75.8			1032.2	-85.5	-86.9		
711	-95.7	-99.2			1018.5	-70.6	-71.4			1007.8	-75.4	-75.9			1032.3	-85.5	-86.8		
712	-95.8	-99.2	-100.9	-103.0	1018.6	-70.5	-71.3	-73.1	-73.3	1007.7	-75.4	-75.8	-77.7	-77.0	1032.3	-85.4	-86.9	-88.8	-90.1

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
713	-95.7	-99.2			1018.6	-70.6	-71.3			1007.8	-75.2	-75.6			1032.3	-85.4	-87.0		
714	-95.6	-99.3			1018.6	-70.6	-71.3			1007.8	-75.2	-75.6			1032.2	-85.5	-86.9		
715	-95.8	-99.2			1018.5	-70.6	-71.4			1007.8	-75.4	-75.6			1032.2	-85.4	-86.9		
716	-95.7	-99.0			1018.6	-70.6	-71.4	-73.2	-73.3	1007.6	-75.3	-75.7			1032.3	-85.4	-86.9		
717	-95.7	-99.2			1018.6	-70.6	-71.4			1007.8	-75.2	-75.7			1032.3	-85.4	-86.8		
718	-95.7	-99.2			1018.6	-70.4	-71.4			1007.7	-75.4	-75.7			1032.2	-85.4	-86.8		
719	-95.7	-99.2			1018.5	-70.4	-71.2			1007.8	-75.3	-75.7			1032.2	-85.5	-86.9		
720	-95.7	-99.2	-100.8	-103.1	1018.5	-70.4	-71.3	-73.1	-73.3	1007.8	-75.2	-75.6	-77.6	-77.0	1032.3	-85.5	-86.9	-88.7	-90.3
721	-95.7	-99.1			1018.6	-70.6	-71.3			1007.7	-75.3	-75.6			1032.3	-85.4	-86.9		
722	-95.7	-99.1			1018.6	-70.4	-71.4			1007.7	-75.2	-75.7			1032.3	-85.4	-86.9		
723	-95.7	-99.2			1018.5	-70.6	-71.3			1007.8	-75.3	-75.7			1032.3	-85.4	-86.8		
724	-95.7	-99.1			1018.6	-70.4	-71.3	-73.2	-73.3	1007.7	-75.3	-75.7			1032.3	-85.4	-86.8		
725	-95.7	-99.2			1018.5	-70.4	-71.3			1007.8	-75.2	-75.6			1032.4	-85.5	-86.9		
726	-95.7	-99.1			1018.6	-70.4	-71.3			1007.8	-75.2	-75.6			1032.3	-85.4	-86.9		
727	-95.7	-99.2			1018.5	-70.4	-71.4			1007.8	-75.2	-75.6			1032.2	-85.4	-86.9		
728	-95.7	-99.2	-100.8	-103.0	1018.5	-70.4	-71.3	-73.2	-73.1	1007.9	-75.3	-75.5	-77.6	-77.0	1032.3	-85.4	-86.9	-88.7	-90.3
729	-95.7	-99.0			1018.6	-70.6	-71.3			1007.8	-75.2	-75.6			1032.3	-85.4	-86.9		
730	-95.7	-99.2			1018.5	-70.4	-71.4			1007.8	-75.1	-75.6			1032.2	-85.4	-86.8		
731	-95.8	-99.0			1018.6	-70.6	-71.3			1007.8	-75.3	-75.6			1032.5	-85.5	-86.8		
732	-95.7	-99.0			1018.6	-70.4	-71.3	-73.1	-73.2	1007.7	-75.1	-75.7			1032.3	-85.2	-86.9		
733	-95.7	-99.2			1018.6	-70.4	-71.2			1007.7	-75.3	-75.6			1032.3	-85.4	-86.8		
734	-95.8	-99.2			1018.5	-70.4	-71.3			1007.8	-75.3	-75.6			1032.3	-85.4	-86.9		
735	-95.7	-99.0			1018.6	-70.6	-71.3			1007.7	-75.0	-75.6			1032.3	-85.4	-86.9		
736	-95.7	-99.1	-101.0	-103.0	1018.6	-70.6	-71.3	-73.2	-73.3	1007.7	-75.1	-75.6	-77.6	-76.9	1032.3	-85.2	-86.8	-88.6	-90.3
737	-95.7	-99.1			1018.6	-70.3	-71.3			1007.8	-75.3	-75.6			1032.3	-85.4	-86.8		
738	-95.6	-99.3			1018.8	-70.3	-71.3			1007.7	-75.2	-75.6			1032.3	-85.4	-86.9		
739	-95.6	-99.1			1018.6	-70.4	-71.4			1007.7	-75.2	-75.6			1032.3	-85.2	-86.9		
740	-95.6	-99.1			1018.6	-70.4	-71.3	-73.1	-73.3	1007.8	-75.2	-75.7			1032.5	-85.4	-86.8		
741	-95.6	-99.2			1018.6	-70.4	-71.3			1007.7	-75.2	-75.7			1032.3	-85.4	-86.8		
742	-95.6	-99.2			1018.5	-70.3	-71.3			1007.7	-75.0	-75.6			1032.2	-85.2	-86.6		
743	-95.6	-99.2			1018.5	-70.3	-71.4			1008.0	-75.2	-75.5			1032.3	-85.4	-86.9		
744	-95.5	-99.2	-100.8	-103.0	1018.6	-70.4	-71.3	-73.0	-73.3	1007.7	-75.2	-75.7	-77.6	-76.9	1032.3	-85.2	-86.8	-88.7	-90.3
745	-95.6	-99.1			1018.6	-70.3	-71.3			1007.7	-75.2	-75.6			1032.3	-85.2	-86.8		
746	-95.6	-99.1			1018.6	-70.3	-71.2			1008.0	-75.2	-75.6			1032.5	-85.2	-86.8		
747	-95.6	-99.1			1018.8	-70.4	-71.4			1007.8	-75.0	-75.6			1032.3	-85.2	-86.9		
748	-95.6	-99.2			1018.6	-70.4	-71.3	-73.1	-73.3	1007.8	-75.2	-75.5			1032.3	-85.1	-86.8		
749	-95.6	-99.1			1018.6	-70.4	-71.3			1007.8	-75.0	-75.6			1032.3	-85.4	-86.8		
750	-95.5	-99.1			1018.6	-70.3	-71.3			1007.8	-75.2	-75.5			1032.2	-85.2	-86.8		
751	-95.6	-99.2			1018.6	-70.3	-71.2			1007.8	-75.2	-75.6			1032.3	-85.1	-86.6		
752	-95.4	-99.2	-100.8	-102.9	1018.6	-70.3	-71.3	-73.1	-73.2	1007.8	-75.2	-75.5	-77.6	-76.8	1032.5	-85.4	-86.8	-88.7	-90.2
753	-95.4	-99.1			1018.8	-70.4	-71.3			1007.8	-75.1	-75.6			1032.3	-85.1	-86.8		
754	-95.6	-99.2			1018.6	-70.3	-71.3			1007.8	-75.3	-75.5			1032.3	-85.2	-86.8		
755	-95.4	-99.2			1018.6	-70.3	-71.1			1007.8	-75.0	-75.5			1032.5	-85.3	-86.9		
756	-95.4	-99.1			1018.8	-70.3	-71.3	-73.1	-73.3	1007.7	-75.1	-75.5			1032.3	-85.1	-86.8		
757	-95.4	-99.1			1018.6	-70.3	-71.3			1007.8	-75.1	-75.8			1032.3	-85.3	-86.8		
758	-95.4	-99.1			1018.6	-70.3	-71.1			1008.0	-75.1	-75.5			1032.5	-85.3	-86.8		
759	-95.4	-99.1			1018.8	-70.4	-71.3			1007.8	-74.9	-75.5			1032.5	-85.1	-86.6		
760	-95.3	-99.1	-100.9	-103.0	1018.6	-70.3	-71.3	-73.2	-73.3	1007.8	-75.0	-75.6	-77.5	-77.0	1032.5	-85.1	-86.8	-88.7	-90.2
761	-95.4	-99.1			1018.8	-70.3	-71.3			1007.8	-75.1	-75.6			1032.3	-85.1	-86.9		
762	-95.4	-99.1			1018.8	-70.3	-71.1			1007.8	-75.1	-75.6			1032.3	-85.1	-86.8		
763	-95.4	-99.1			1018.6	-70.3	-71.3			1007.8	-75.0	-75.6			1032.3	-85.1	-86.9		
764	-95.3	-99.1			1018.8	-70.3	-71.1	-73.2	-73.3	1007.8	-75.0	-75.5			1032.5	-85.1	-86.9		
765	-95.4	-99.1			1018.8	-70.4	-71.3			1007.8	-75.0	-75.6			1032.5	-85.1	-86.8		
766	-95.3	-99.1			1018.6	-70.3	-71.3			1007.8	-75.0	-75.6			1032.6	-85.1	-86.6		
767	-95.4	-99.1			1018.6	-70.3	-71.3			1007.8	-75.0	-75.5			1032.3	-85.1	-86.6		
768	-95.5	-98.9	-100.8	-103.0	1018.6	-70.2	-71.3	-73.0	-73.4	1007.8	-75.0	-75.6	-77.3	-76.8	1032.5	-85.1	-86.7	-88.7	-90.2
769	-95.2	-99.1			1018.6	-70.3	-71.3			1007.8	-75.0	-75.6			1032.5	-85.1	-86.7		
770	-95.5	-99.1			1018.6	-70.3	-71.1			1007.8	-75.1	-75.5			1032.5	-85.1	-86.6		
771	-95.5	-99.1			1018.6	-70.2	-71.1			1007.8	-75.0	-75.6			1032.3	-85.2	-86.7		
772	-95.5	-99.1			1018.7	-70.0	-71.1	-73.0	-73.3	1007.8	-75.1	-75.5			1032.2	-85.1	-86.6		
773	-95.5	-99.2			1018.7	-70.2	-71.1			1007.9	-75.1	-75.5			1032.3	-84.9	-86.6		
774	-95.3	-99.2			1018.6	-70.2	-71.2			1007.9	-75.0	-75.5			1032.3	-85.1	-86.6		
775	-95.3	-99.1			1018.5	-70.2	-71.1			1007.9	-75.0	-75.4			1032.5	-85.1	-86.6		
776	-95.2	-99.2	-100.7	-103.0	1018.6	-70.2	-71.2	-72.9	-73.3	1007.9	-75.0	-75.5	-77.6	-76.8	1032.3	-85.1	-86.6	-88.5	-90.2
777	-95.2	-99.2			1018.7	-70.2	-71.0			1008.1	-74.9	-75.5			1032.5	-85.1	-86.6		
778	-95.3	-99.2			1018.7	-70.2	-71.1			1007.9	-75.1	-75.5			1032.5	-85.1	-86.7		
779	-95.3	-99.1			1018.7	-70.0	-71.0			1007.9	-74.9	-75.4			1032.5	-85.1	-86.6		
780	-95.3	-99.1			1018.7	-70.2	-71.2	-73.2	-73.3	1007.8	-75.0	-75.5			1032.5	-85.2	-86.7		
781	-95.2	-99.1			1018.7	-70.2	-71.1			1007.8	-75.0	-75.5			1032.5	-84.9	-86.6		
782	-95.3	-99.1			1018.7	-70.0	-71.1			1007.8	-75.0	-75.5			1032.3	-84.9	-86.6		
783	-95.2	-98.9			1018.6	-70.0	-71.1			1007.8	-75.0	-75.6			1032.5	-84.9	-86.7		
784	-95.2	-99.1	-100.7	-102.9	1018.8	-70.2	-71.1	-73.2	-73.2	1007.8	-75.0	-75.5	-77.4	-76.8	1032.5	-85.1	-86.6	-88.7	-90.2
785	-95.2	-99.1			1018.8	-70.2	-71.1			1007.8	-75.1	-75.6			1032.5	-84.9	-86.6		
786	-95.3	-98.9			1018.8	-70.0	-71.2			1008.0	-75.0	-75.6			1032.5	-84.9	-86.6		
787	-95.2	-99.1			1018.8	-70.1	-71.1			1007.8	-75.0	-75.5			1032.5	-84.9	-86.6		
788	-95.2	-98.9			1018.9	-70.0	-71.1	-73.0	-73.2	1007.8	-75.0	-75.3			1032.5	-84.8	-86.6		
789	-95.2	-98.9			1018.8	-70.0	-71.2			1007.8	-74.8	-75.6			1032.5	-84.9	-86.7		
790	-95.1	-98.9			1018.8	-69.9	-71.0			1007.8	-74.8	-75.5			1032.5	-84.8	-86.6		
791	-95.2	-99.1			1018.8	-70.0	-71.2			1007.8	-74.8	-75.5			1032.5	-84.9	-86.7		
792	-95.1	-99.0	-100.7	-102.8	1018.9	-70.0	-71.1	-73.2	-73.1	1007.8	-74.8	-75.3	-77.4	-77.1	1032.5	-84.8	-86.6	-88.7	-90.2
793	-95.2	-99.1			1018.9	-70.1	-71.1			1007.8	-74.8	-75.5			1032.6	-84.8	-86.6		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
794	-95.0	-99.0			1018.9	-70.0	-71.2			1007.8	-74.9	-75.5			1032.5	-84.8	-86.5		
795	-95.1	-99.0			1018.9	-70.0	-71.1			1007.8	-74.7	-75.5			1032.5	-84.8	-86.6		
796	-95.1	-99.1			1018.9	-70.1	-71.1	-73.0	-73.1	1007.9	-74.7	-75.4			1032.5	-84.8	-86.6		
797	-95.1	-99.1			1018.7	-70.0	-71.0			1007.9	-74.7	-75.4			1032.5	-84.9	-86.6		
798	-95.0	-99.1			1018.9	-70.0	-71.0			1008.1	-74.7	-75.4			1032.6	-84.8	-86.6		
799	-94.8	-99.1			1018.9	-70.0	-71.0			1007.9	-74.7	-75.2			1032.6	-84.8	-86.7		
800	-94.9	-99.1	-100.7	-102.9	1019.0	-70.0	-71.0	-72.9	-73.3	1007.9	-74.9	-75.5	-77.4	-76.8	1032.6	-84.8	-86.6	-88.5	-90.2
801	-94.9	-99.1			1018.9	-70.0	-71.1			1007.9	-74.7	-75.4			1032.6	-84.8	-86.6		
802	-94.8	-99.1			1018.9	-69.9	-71.0			1007.9	-74.8	-75.5			1032.6	-84.8	-86.5		
803	-94.9	-99.1			1018.9	-69.9	-71.0			1008.1	-74.7	-75.5			1032.5	-84.7	-86.6		
804	-94.8	-99.0			1018.9	-69.9	-71.0	-73.0	-73.1	1007.9	-74.7	-75.5			1032.6	-84.7	-86.7		
805	-94.8	-99.1			1019.0	-70.0	-71.1			1007.9	-74.7	-75.5			1032.7	-84.7	-86.6		
806	-94.9	-99.1			1018.9	-69.9	-71.0			1007.9	-74.7	-75.5			1032.5	-84.7	-86.6		
807	-94.8	-99.1			1018.9	-70.0	-71.1			1007.9	-74.7	-75.4			1032.6	-84.5	-86.6		
808	-94.8	-99.1	-100.7	-102.9	1018.8	-70.0	-70.9	-73.0	-73.2	1007.9	-74.7	-75.5	-77.4	-76.8	1032.4	-84.5	-86.5	-88.6	-90.2
809	-94.8	-99.0			1018.8	-69.9	-71.0			1007.8	-74.7	-75.4			1032.4	-84.5	-86.6		
810	-94.7	-99.0			1018.8	-69.8	-71.1			1007.9	-74.7	-75.4			1032.6	-84.7	-86.4		
811	-94.8	-99.1			1018.9	-69.8	-71.0			1008.0	-74.8	-75.3			1032.4	-84.7	-86.4		
812	-94.8	-99.1			1019.0	-69.8	-70.8	-73.1	-73.2	1008.2	-74.6	-75.3			1032.6	-84.5	-86.6		
813	-94.7	-99.1			1019.1	-69.8	-71.0			1008.0	-74.5	-75.3			1032.6	-84.7	-86.6		
814	-94.7	-99.1			1019.1	-69.8	-71.1			1007.9	-74.6	-75.2			1032.6	-84.5	-86.6		
815	-94.7	-99.0			1019.0	-69.8	-71.0			1007.9	-74.6	-75.3			1032.4	-84.5	-86.4		
816	-94.8	-99.0	-100.7	-102.9	1018.9	-69.6	-71.0	-73.1	-73.2	1008.0	-74.6	-75.3	-77.4	-76.8	1032.7	-84.5	-86.4	-88.5	-90.0
817	-94.6	-99.1			1019.0	-69.8	-71.0			1008.2	-74.6	-75.2			1032.6	-84.4	-86.6		
818	-94.6	-99.0			1019.0	-69.8	-70.8			1007.9	-74.6	-75.2			1032.6	-84.5	-86.7		
819	-94.6	-99.1			1019.0	-69.6	-71.0			1008.0	-74.6	-75.3			1032.6	-84.5	-86.6		
820	-94.7	-99.0			1019.0	-69.6	-71.0	-73.0	-73.1	1008.0	-74.8	-75.3			1032.6	-84.3	-86.4		
821	-94.4	-98.8			1019.1	-69.6	-71.0			1008.2	-74.5	-75.2			1032.6	-84.4	-86.6		
822	-94.6	-99.1			1019.0	-69.5	-71.0			1008.0	-74.5	-75.3			1032.6	-84.3	-86.4		
823	-94.3	-99.1			1019.1	-69.6	-71.0			1008.2	-74.5	-75.2			1032.7	-84.4	-86.6		
824	-94.4	-99.1	-100.7	-102.9	1019.1	-69.8	-71.0	-73.0	-73.2	1008.0	-74.5	-75.3	-77.3	-76.8	1032.4	-84.3	-86.4	-88.5	-90.0
825	-94.4	-98.9			1019.0	-69.5	-70.9			1008.2	-74.5	-75.2			1032.6	-84.3	-86.7		
826	-94.3	-99.1			1019.2	-69.7	-70.9			1008.0	-74.6	-75.2			1032.6	-84.3	-86.4		
827	-94.4	-98.9			1019.1	-69.5	-70.8			1008.2	-74.5	-75.3			1032.6	-84.3	-86.4		
828	-94.4	-98.8			1019.2	-69.6	-70.8	-73.1	-73.2	1008.0	-74.6	-75.2			1032.7	-84.1	-86.4		
829	-94.3	-98.9			1019.2	-69.5	-70.9			1008.0	-74.5	-75.3			1032.7	-84.0	-86.4		
830	-94.0	-98.9			1019.2	-69.5	-70.9			1008.2	-74.5	-75.2			1032.7	-84.1	-86.4		
831	-94.1	-98.9			1019.1	-69.5	-70.9			1008.2	-74.6	-75.2			1032.7	-84.0	-86.3		
832	-94.3	-98.9	-100.8	-102.7	1019.2	-69.5	-70.8	-73.0	-73.1	1008.2	-74.5	-75.2	-77.5	-76.9	1032.7	-84.1	-86.3	-88.5	-90.0
833	-94.1	-98.9			1019.3	-69.5	-70.8			1008.1	-74.4	-75.2			1032.7	-84.0	-86.4		
834	-94.0	-98.9			1019.2	-69.4	-70.8			1008.2	-74.3	-75.2			1032.7	-84.0	-86.3		
835	-94.0	-98.8			1019.2	-69.5	-70.8			1008.2	-74.3	-75.2			1032.6	-83.9	-86.4		
836	-93.9	-98.9			1019.3	-69.5	-71.0	-72.9	-73.2	1008.2	-74.3	-75.2			1032.7	-83.9	-86.6		
837	-94.0	-98.9			1019.1	-69.4	-70.8			1008.2	-74.3	-75.3			1032.7	-83.9	-86.3		
838	-93.7	-98.9			1019.2	-69.3	-70.8			1008.2	-74.2	-75.2			1032.7	-83.9	-86.4		
839	-93.7	-98.9			1019.2	-69.4	-70.8			1008.2	-74.3	-75.2			1032.7	-83.8	-86.3		
840	-93.9	-98.9	-100.6	-102.9	1019.3	-69.3	-70.8	-72.9	-73.1	1008.3	-74.3	-75.1	-77.3	-76.8	1032.8	-83.9	-86.4	-88.6	-90.0
841	-93.6	-98.8			1019.3	-69.4	-70.7			1008.2	-74.3	-75.2			1032.8	-83.7	-86.4		
842	-93.7	-98.9			1019.3	-69.2	-70.8			1008.3	-74.3	-75.2			1032.7	-83.7	-86.3		
843	-93.6	-98.9			1019.5	-69.3	-70.8			1008.3	-74.2	-74.9			1032.8	-83.7	-86.4		
844	-93.6	-98.9			1019.5	-69.2	-70.8	-73.1	-73.2	1008.3	-74.2	-75.1			1032.8	-83.7	-86.3		
845	-93.5	-98.9			1019.3	-69.2	-70.8			1008.3	-74.1	-75.1			1032.8	-83.4	-86.3		
846	-93.5	-98.9			1019.3	-69.2	-70.8			1008.4	-74.2	-75.1			1032.9	-83.5	-86.3		
847	-93.3	-98.8			1019.5	-69.2	-70.8			1008.3	-74.1	-75.1			1032.9	-83.5	-86.4		
848	-93.3	-98.9	-100.7	-102.8	1019.5	-69.2	-70.8	-73.0	-73.0	1008.4	-74.2	-75.1	-77.3	-76.7	1032.9	-83.5	-86.4	-88.5	-90.0
849	-93.2	-98.8			1019.6	-69.0	-70.8			1008.4	-74.1	-75.2			1032.8	-83.4	-86.2		
850	-93.2	-98.9			1019.6	-69.2	-70.7			1008.3	-74.1	-74.9			1032.8	-83.2	-86.3		
851	-93.2	-98.9			1019.5	-68.9	-70.7			1008.4	-74.0	-75.1			1032.8	-83.4	-86.4		
852	-93.0	-98.9			1019.5	-68.9	-70.7	-73.0	-73.1	1008.5	-74.0	-75.1			1032.9	-83.2	-86.3		
853	-92.9	-98.8			1019.6	-68.9	-70.7			1008.3	-74.1	-75.1			1032.8	-83.1	-86.3		
854	-92.9	-98.9			1019.6	-68.9	-70.7			1008.4	-74.1	-75.1			1032.8	-83.1	-86.3		
855	-92.9	-98.9			1019.6	-68.8	-70.9			1008.5	-74.0	-75.0			1032.9	-83.1	-86.3		
856	-92.8	-98.9	-100.5	-102.8	1019.7	-68.7	-70.7	-73.0	-73.1	1008.5	-74.1	-75.0	-77.4	-76.8	1032.9	-83.0	-86.2	-88.5	-90.0
857	-92.6	-98.8			1019.7	-68.8	-70.7			1008.5	-73.9	-75.0			1032.8	-83.0	-86.3		
858	-92.6	-98.9			1019.6	-68.8	-70.7			1008.5	-74.0	-75.0			1033.1	-83.0	-86.3		
859	-92.6	-98.8			1019.8	-68.7	-70.7			1008.5	-74.0	-75.1			1032.9	-82.7	-86.1		
860	-92.5	-98.9			1019.7	-68.7	-70.6	-73.0	-73.1	1008.5	-74.0	-75.0			1032.9	-83.0	-86.1		
861	-92.5	-98.8			1019.9	-68.6	-70.7			1008.4	-74.0	-75.1			1032.9	-82.6	-86.1		
862	-92.2	-98.8			1019.8	-68.7	-70.7			1008.5	-73.7	-75.1			1033.1	-82.8	-86.3		
863	-92.4	-98.8			1019.8	-68.6	-70.7			1008.7	-73.9	-75.0			1033.1	-82.6	-86.3		
864	-92.2	-98.8	-100.7	-102.7	1019.8	-68.7	-70.6	-72.9	-73.2	1008.7	-73.9	-75.0	-77.4	-76.8	1033.0	-82.6	-86.3	-88.3	-90.0
865	-92.0	-98.8			1019.9	-68.4	-70.7			1008.7	-73.7	-74.8			1033.0	-82.5	-86.3		
866	-92.1	-98.8			1019.8	-68.3	-70.7			1008.7	-73.8	-74.8			1033.2	-82.5	-86.1		
867	-92.0	-98.8			1020.0	-68.3	-70.6			1008.8	-73.8	-74.9			1033.2	-82.2	-86.1		
868	-91.7	-98.9			1019.9	-68.3	-70.6	-72.9	-73.0	1008.7	-73.6	-74.8			1033.2	-82.2	-86.1		
869	-91.7	-98.8			1020.0	-68.2	-70.6			1008.8	-73.8	-74.8			1033.2	-82.2	-86.0		
870	-91.6	-98.8			1020.0	-68.3	-70.6			1008.7	-73.6	-74.8			1033.2	-82.1	-86.1		
871	-91.5	-98.8			1020.2	-68.2	-70.5			1008.9	-73.5	-74.8			1033.3	-81.9	-86.1		
872	-91.4	-98.7	-100.5	-102.8	1020.2	-68.1	-70.6	-73.0	-73.1	1008.9	-73.5	-74.8	-77.4	-76.8	1033.2	-81.9	-86.1	-88.5	-90.1
873	-91.4	-98.6			1020.2	-68.2	-70.6			1008.8	-73.5	-74.8			1033.3	-81.8	-86.1		
874	-91.3	-98.7			1020.0	-68.0	-70.5			1008.9	-73.4	-74.8			1033.2	-81.7	-86.0		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
875	-91.0	-98.7			1020.3	-67.9	-70.6			1008.9	-73.4	-74.7			1033.2	-81.7	-86.1		
876	-90.9	-98.6			1020.3	-67.7	-70.5	-73.0	-73.1	1009.0	-73.4	-74.7			1033.3	-81.6	-86.0		
877	-90.9	-98.7			1020.4	-67.9	-70.5			1008.9	-73.4	-74.8			1033.3	-81.2	-86.1		
878	-90.6	-98.7			1020.4	-67.9	-70.5			1008.9	-73.1	-74.7			1033.4	-81.4	-86.0		
879	-90.5	-98.7			1020.3	-67.7	-70.5			1009.0	-73.3	-74.7			1033.3	-81.2	-86.0		
880	-90.5	-98.6	-100.3	-102.7	1020.4	-67.7	-70.5	-72.9	-73.1	1009.0	-73.1	-74.7	-77.4	-76.8	1033.4	-81.1	-86.0	-88.5	-89.9
881	-90.2	-98.7			1020.4	-67.6	-70.4			1009.1	-73.1	-74.6			1033.5	-81.1	-86.0		
882	-90.2	-98.7			1020.5	-67.5	-70.5			1009.1	-73.1	-74.7			1033.4	-80.8	-85.9		
883	-90.0	-98.7			1020.5	-67.4	-70.5			1009.0	-72.9	-74.6			1033.4	-80.8	-86.0		
884	-89.9	-98.6			1020.6	-67.4	-70.4	-72.8	-73.2	1009.0	-72.9	-74.6			1033.4	-80.7	-86.0		
885	-89.7	-98.7			1020.6	-67.3	-70.4			1009.1	-73.0	-74.6			1033.5	-80.7	-86.0		
886	-89.6	-98.7			1020.6	-67.1	-70.4			1009.1	-72.9	-74.6			1033.5	-80.4	-85.8		
887	-89.3	-98.6			1020.6	-67.0	-70.5			1009.2	-72.9	-74.4			1033.4	-80.3	-86.0		
888	-89.3	-98.7	-100.5	-102.8	1020.7	-67.0	-70.2	-72.9	-73.1	1009.2	-72.8	-74.4	-77.3	-76.8	1033.6	-80.3	-85.9	-88.5	-90.0
889	-89.2	-98.6			1020.9	-66.9	-70.4			1009.2	-72.8	-74.6			1033.5	-80.1	-85.8		
890	-89.0	-98.4			1021.0	-66.9	-70.3			1009.2	-72.8	-74.6			1033.6	-79.8	-85.9		
891	-88.9	-98.7			1020.9	-66.7	-70.3			1009.2	-72.5	-74.4			1033.7	-79.9	-85.9		
892	-88.7	-98.6			1020.9	-66.6	-70.3	-72.9	-73.1	1009.3	-72.7	-74.6			1033.6	-79.7	-85.8		
893	-88.4	-98.4			1021.1	-66.6	-70.3			1009.3	-72.4	-74.3			1033.9	-79.6	-85.8		
894	-88.3	-98.4			1021.0	-66.4	-70.1			1009.5	-72.5	-74.3			1033.7	-79.3	-85.8		
895	-88.1	-98.6			1021.1	-66.3	-70.3			1009.5	-72.4	-74.2			1033.9	-79.3	-85.9		
896	-88.0	-98.6	-100.3	-102.8	1021.1	-66.2	-70.1	-72.9	-73.1	1009.5	-72.3	-74.3	-77.3	-76.8	1033.9	-79.1	-85.8	-88.3	-90.2
897	-87.9	-98.6			1021.2	-66.2	-70.1			1009.6	-72.3	-74.4			1033.7	-78.9	-85.8		
898	-87.5	-98.4			1021.3	-66.1	-70.3			1009.5	-72.1	-74.2			1033.7	-78.8	-85.8		
899	-87.4	-98.7			1021.3	-66.0	-70.1			1009.6	-72.2	-74.3			1033.9	-78.6	-85.8		
900	-87.2	-98.6			1021.4	-65.9	-70.1	-72.9	-73.0	1009.7	-71.9	-74.2			1034.0	-78.6	-85.8		
901	-87.0	-98.7			1021.5	-65.7	-70.1			1009.7	-72.1	-74.2			1034.0	-78.1	-85.6		
902	-86.6	-98.4			1021.5	-65.7	-70.0			1009.6	-71.7	-74.2			1033.9	-78.2	-85.6		
903	-86.6	-98.6			1021.7	-65.6	-70.0			1009.8	-71.7	-74.1			1034.0	-77.9	-85.5		
904	-86.3	-98.4	-100.2	-102.6	1021.5	-65.4	-70.0	-72.9	-72.9	1009.7	-71.7	-74.2	-77.3	-76.8	1034.0	-77.7	-85.6	-88.3	-90.0
905	-86.1	-98.4			1021.7	-65.4	-70.0			1009.8	-71.6	-73.9			1034.1	-77.7	-85.8		
906	-85.8	-98.5			1021.8	-65.3	-69.8			1009.9	-71.6	-74.1			1034.2	-77.4	-85.6		
907	-85.7	-98.4			1021.8	-65.1	-69.9			1009.8	-71.5	-74.1			1034.2	-77.2	-85.5		
908	-85.4	-98.4			1022.0	-65.0	-70.0	-72.9	-72.9	1009.8	-71.1	-73.9			1034.3	-77.1	-85.5		
909	-85.2	-98.5			1022.0	-64.9	-69.8			1010.0	-71.4	-74.1			1034.3	-76.8	-85.4		
910	-84.9	-98.4			1022.1	-64.7	-69.9			1009.9	-71.2	-73.9			1034.3	-76.6	-85.5		
911	-84.5	-98.4			1022.1	-64.6	-69.9			1010.0	-71.1	-73.7			1034.4	-76.4	-85.5		
912	-84.4	-98.3	-100.3	-102.6	1022.1	-64.4	-69.8	-72.9	-73.2	1010.2	-71.1	-73.8	-77.3	-76.8	1034.3	-76.1	-85.4	-88.3	-89.9
913	-84.1	-98.5			1022.2	-64.3	-69.8			1010.2	-71.0	-73.8			1034.3	-75.7	-85.4		
914	-83.9	-98.3			1022.4	-64.1	-69.8			1010.3	-70.7	-73.7			1034.3	-75.6	-85.3		
915	-83.5	-98.3			1022.4	-64.0	-69.7			1010.3	-70.6	-73.8			1034.4	-75.5	-85.3		
916	-83.2	-98.4			1022.4	-63.8	-69.5	-72.9	-72.9	1010.3	-70.5	-73.5			1034.4	-75.2	-85.3		
917	-82.9	-98.3			1022.6	-63.7	-69.7			1010.3	-70.5	-73.5			1034.4	-75.0	-85.3		
918	-82.5	-98.3			1022.7	-63.6	-69.7			1010.4	-70.3	-73.4			1034.7	-74.9	-85.3		
919	-82.4	-98.4			1022.7	-63.4	-69.4			1010.5	-70.1	-73.5			1034.7	-74.4	-85.0		
920	-82.0	-98.1	-100.3	-102.6	1022.8	-63.4	-69.7	-72.9	-72.9	1010.5	-70.1	-73.4	-77.3	-76.7	1034.6	-74.1	-85.1	-88.2	-90.1
921	-81.7	-98.3			1022.8	-63.1	-69.4			1010.5	-70.0	-73.4			1034.8	-74.0	-85.3		
922	-81.3	-98.1			1023.0	-63.0	-69.4			1010.5	-69.9	-73.5			1034.8	-73.6	-85.0		
923	-81.0	-98.1			1023.1	-62.8	-69.4			1010.6	-69.8	-73.4			1034.9	-73.5	-85.2		
924	-80.7	-98.3			1023.1	-62.7	-69.3	-72.9	-72.9	1010.6	-69.7	-73.2			1034.9	-73.1	-85.0		
925	-80.3	-98.3			1023.1	-62.3	-69.2			1010.7	-69.5	-73.2			1035.0	-72.8	-85.0		
926	-79.9	-98.3			1023.3	-62.2	-69.3			1010.8	-69.4	-73.2			1034.9	-72.5	-84.9		
927	-79.6	-98.1			1023.4	-62.2	-69.3			1010.8	-69.2	-73.1			1035.1	-72.3	-84.8		
928	-79.3	-98.1	-100.3	-102.6	1023.5	-61.8	-69.2	-72.9	-73.1	1010.8	-69.1	-73.1	-77.3	-76.8	1035.0	-71.8	-84.8	-88.2	-89.9
929	-78.8	-98.1			1023.7	-61.7	-69.2			1010.9	-68.8	-72.9			1035.1	-71.5	-85.0		
930	-78.5	-98.3			1023.6	-61.5	-69.1			1010.9	-68.7	-73.1			1035.2	-71.3	-84.8		
931	-77.9	-98.0			1023.8	-61.4	-69.1			1010.9	-68.6	-72.8			1035.2	-70.9	-84.6		
932	-77.7	-98.1			1023.8	-61.0	-68.9	-72.9	-73.1	1011.1	-68.3	-72.7			1035.3	-70.6	-84.6		
933	-77.3	-98.0			1024.1	-61.0	-69.1			1011.1	-68.2	-72.8			1035.2	-70.2	-84.6		
934	-76.8	-98.1			1024.1	-60.7	-68.8			1011.2	-68.1	-72.7			1035.3	-70.0	-84.6		
935	-76.5	-98.0			1024.1	-60.5	-68.9			1011.3	-67.9	-72.7			1035.2	-69.5	-84.4		
936	-75.8	-98.1	-100.3	-102.6	1024.2	-60.3	-68.8	-72.9	-73.2	1011.3	-67.7	-72.6	-77.4	-76.7	1035.5	-69.0	-84.5	-88.2	-89.9
937	-75.5	-98.0			1024.3	-60.0	-68.8			1011.3	-67.6	-72.6			1035.4	-68.6	-84.4		
938	-75.1	-98.0			1024.5	-59.8	-68.6			1011.3	-67.3	-72.5			1035.6	-68.3	-84.4		
939	-74.7	-97.9			1024.7	-59.5	-68.6			1011.4	-67.1	-72.3			1035.6	-67.9	-84.4		
940	-74.1	-97.9			1024.7	-59.3	-68.6	-72.8	-72.9	1011.5	-67.0	-72.3			1035.7	-67.7	-84.1		
941	-73.6	-97.9			1024.8	-59.1	-68.6			1011.7	-66.8	-72.2			1035.8	-67.0	-84.2		
942	-73.2	-97.7			1024.9	-58.8	-68.5			1011.7	-66.5	-72.2			1035.7	-66.7	-84.1		
943	-72.6	-97.9			1025.0	-58.7	-68.3			1011.8	-66.4	-71.9			1035.9	-66.3	-84.2		
944	-72.1	-97.7	-100.2	-102.5	1025.1	-58.2	-68.5	-72.8	-72.9	1011.9	-66.2	-72.1	-77.3	-76.7	1035.8	-65.8	-84.0	-88.1	-89.9
945	-71.6	-97.9			1025.3	-58.2	-68.2			1011.9	-66.0	-71.9			1036.1	-65.5	-84.0		
946	-71.1	-97.6			1025.4	-57.7	-68.2			1012.0	-65.7	-71.9			1036.1	-64.8	-83.9		
947	-70.5	-97.7			1025.5	-57.6	-68.1			1012.1	-65.5	-71.7			1036.2	-64.5	-83.9		
948	-69.9	-97.5			1025.6	-57.2	-68.1	-72.8	-73.1	1012.1	-65.2	-71.8			1036.2	-63.8	-83.7		
949	-69.3	-97.6			1025.7	-56.9	-67.8			1012.1	-65.0	-71.5			1036.3	-63.5	-83.7		
950	-68.7	-97.3			1025.8	-56.7	-68.0			1012.2	-64.9	-71.6			1036.3	-62.9	-83.6		
951	-68.1	-97.6			1025.8	-56.4	-67.7			1012.4	-64.6	-71.5			1036.3	-62.4	-83.7		
952	-67.5	-97.5	-100.0	-102.5	1026.1	-56.1	-67.6	-72.7	-73.0	1012.5	-64.3	-71.3	-77.1	-76.6	1036.4	-61.8	-83.5	-88.1	-89.9
953	-66.8	-97.5			1026.2	-55.8	-67.6			1012.5	-64.2	-71.1			1036.4	-61.2	-83.5		
954	-66.3	-97.3			1026.2	-55.4	-67.6			1012.5	-63.7	-71.2			1036.5	-60.4	-83.3		
955	-65.6	-97.3			1026.4	-55.2	-67.3			1012.6	-63.6	-71.1			1036.6	-59.8	-83.4		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
956	-64.8	-97.2			1026.4	-54.8	-67.3	-72.6	-73.1	1012.6	-63.3	-71.0			1036.8	-59.1	-83.3		
957	-64.2	-97.2			1026.8	-54.5	-67.3			1012.7	-62.9	-71.0			1036.9	-58.4	-83.1		
958	-63.5	-97.1			1026.7	-54.0	-67.1			1012.8	-62.6	-70.7			1036.9	-57.7	-83.0		
959	-62.8	-96.9			1026.8	-53.8	-67.1			1012.8	-62.5	-70.6			1036.9	-57.0	-82.7		
960	-62.0	-96.9	-99.9	-102.3	1027.0	-53.3	-67.0	-72.6	-72.9	1013.0	-62.0	-70.7	-77.1	-76.6	1037.0	-56.3	-82.7	-88.1	-90.1
961	-61.1	-96.9			1027.1	-53.0	-66.9			1013.1	-61.6	-70.5			1037.1	-55.3	-82.8		
962	-60.4	-96.8			1027.3	-52.6	-66.9			1013.1	-61.6	-70.5			1037.2	-54.5	-82.6		
963	-59.4	-96.5			1027.4	-52.3	-66.8			1013.2	-61.1	-70.2			1037.2	-53.6	-82.6		
964	-58.5	-96.5			1027.6	-51.9	-66.6	-72.6	-73.1	1013.3	-60.8	-70.1			1037.4	-52.7	-82.8		
965	-57.7	-96.5			1027.6	-51.3	-66.5			1013.4	-60.6	-70.0			1037.4	-52.0	-82.4		
966	-56.8	-96.4			1027.7	-51.0	-66.5			1013.4	-60.1	-70.0			1037.5	-51.2	-82.4		
967	-55.8	-96.3			1028.0	-50.5	-66.3			1013.5	-59.7	-69.6			1037.6	-50.1	-82.1		
968	-54.9	-96.1	-99.6	-102.2	1027.9	-49.9	-66.3	-72.5	-72.8	1013.5	-59.4	-69.6	-77.0	-76.5	1037.7	-49.2	-82.0	-87.7	-89.8
969	-53.8	-96.1			1028.2	-49.6	-66.2			1013.8	-58.9	-69.5			1037.8	-48.3	-81.9		
970	-52.8	-95.9			1028.2	-48.9	-66.0			1013.8	-58.4	-69.3			1037.8	-47.2	-81.6		
971	-51.8	-95.7			1028.4	-48.6	-65.9			1014.0	-58.0	-69.3			1038.0	-46.3	-81.6		
972	-50.7	-95.7			1028.4	-47.9	-65.8	-72.3	-72.8	1014.1	-57.7	-69.0			1038.0	-45.2	-81.5		
973	-49.6	-95.5			1028.6	-47.3	-65.5			1014.0	-57.0	-68.9			1038.2	-44.2	-81.4		
974	-48.3	-95.3			1028.9	-46.8	-65.5			1014.1	-56.7	-68.9			1038.2	-43.2	-81.2		
975	-47.1	-94.8			1029.0	-46.2	-65.5			1014.2	-56.1	-68.6			1038.3	-42.1	-80.9		
976	-46.1	-94.7	-99.0	-101.3	1029.1	-45.4	-65.1	-72.3	-72.6	1014.3	-55.5	-68.6	-76.9	-76.3	1038.4	-41.0	-80.9	-87.9	-89.8
977	-44.9	-94.5			1029.2	-44.9	-65.1			1014.5	-55.1	-68.4			1038.5	-40.0	-80.7		
978	-43.6	-94.5			1029.5	-44.3	-64.7			1014.6	-54.5	-68.2			1038.5	-38.9	-80.5		
979	-42.4	-94.1			1029.5	-43.4	-64.7			1014.6	-53.8	-68.0			1038.6	-37.8	-80.5		
980	-41.0	-94.0			1029.7	-42.7	-64.5	-72.1	-72.4	1014.7	-53.0	-67.8			1038.9	-36.7	-80.2		
981	-39.8	-93.6			1029.8	-42.1	-64.5			1014.9	-52.3	-67.7			1038.7	-35.4	-80.1		
982	-38.4	-93.4			1029.9	-41.3	-64.2			1014.9	-51.6	-67.3			1039.0	-34.3	-79.8		
983	-37.1	-93.0			1030.0	-40.4	-64.2			1015.0	-50.8	-67.3			1039.1	-33.3	-79.6		
984	-35.8	-92.8	-98.0	-100.3	1030.2	-39.6	-63.8	-72.0	-72.3	1015.3	-50.0	-67.1	-76.6	-76.4	1039.1	-32.1	-79.3	-87.5	-89.5
985	-34.6	-92.6			1030.4	-38.7	-63.7			1015.2	-49.2	-66.9			1039.3	-30.9	-79.1		
986	-33.2	-92.2			1030.5	-38.0	-63.4			1015.5	-48.5	-66.7			1039.3	-29.9	-79.0		
987	-31.8	-91.9			1030.6	-37.0	-63.3			1015.6	-47.7	-66.4			1039.6	-28.6	-78.6		
988	-30.4	-91.7			1030.9	-36.1	-63.1	-71.8	-72.2	1015.6	-46.8	-66.3			1039.5	-27.6	-78.5		
989	-29.1	-91.4			1031.0	-35.1	-63.0			1015.9	-45.9	-66.2			1039.8	-26.3	-78.2		
990	-27.7	-90.9			1031.1	-34.1	-62.7			1015.8	-44.9	-65.8			1039.8	-25.2	-78.1		
991	-26.5	-90.5			1031.3	-33.3	-62.5			1016.0	-43.7	-65.7			1039.9	-24.0	-77.8		
992	-25.0	-90.2	-96.9	-99.4	1031.4	-32.3	-62.3	-71.5	-72.0	1016.1	-43.0	-65.5	-76.4	-76.1	1040.0	-22.9	-77.3	-87.4	-89.5
993	-23.8	-89.6			1031.7	-31.3	-62.0			1016.2	-41.8	-65.4			1040.0	-21.6	-77.3		
994	-22.4	-88.9			1031.7	-30.2	-61.9			1016.3	-40.7	-65.0			1040.3	-20.4	-77.0		
995	-20.9	-89.0			1031.8	-29.2	-61.6			1016.5	-39.7	-64.8			1040.4	-19.2	-76.7		
996	-19.6	-89.2			1032.0	-28.3	-61.3	-71.4	-71.8	1016.6	-38.7	-64.5			1040.5	-17.8	-76.3		
997	-18.4	-89.0			1032.3	-27.2	-61.1			1016.8	-37.4	-64.3			1040.6	-16.4	-76.2		
998	-17.1	-88.4			1032.3	-26.1	-61.0			1016.8	-36.4	-64.0			1040.7	-15.2	-75.7		
999	-15.6	-88.6			1032.5	-25.0	-60.5			1016.9	-35.2	-63.8			1040.8	-13.9	-75.5		
1000	-14.2	-88.1	-95.7	-98.8	1032.9	-23.9	-60.5	-71.2	-71.7	1017.1	-34.0	-63.6	-76.3	-76.3	1040.9	-12.4	-75.2	-87.2	-89.5
1001	-12.8	-87.2			1032.9	-22.9	-60.3			1017.3	-32.9	-63.3			1041.2	-11.0	-74.8		
1002	-11.4	-87.5			1033.0	-21.7	-59.9			1017.3	-31.8	-63.0			1041.2	-9.7	-74.5		
1003	-9.9	-86.6			1033.2	-20.7	-59.7			1017.5	-30.6	-62.7			1041.3	-8.1	-74.2		
1004	-8.5	-85.7			1033.3	-19.6	-59.3	-71.2	-71.8	1017.6	-29.5	-62.5			1041.7	-6.7	-74.0		
1005	-7.1	-84.3			1033.6	-18.4	-59.2			1017.8	-28.3	-62.2			1041.7	-5.4	-73.5		
1006	-5.7	-83.9			1033.7	-17.3	-59.0			1017.9	-27.0	-62.1			1041.8	-3.9	-73.1		
1007	-4.0	-84.9			1033.9	-16.3	-58.6			1018.0	-26.1	-61.6			1042.0	-2.5	-72.7		
1008	-2.3	-84.3	-95.5	-99.0	1034.0	-15.2	-58.4	-71.2	-71.8	1018.0	-24.9	-61.2	-76.4	-76.0	1042.2	-1.2	-72.5	-86.9	-89.4
1009	-0.9	-82.6			1034.1	-14.0	-58.2			1018.2	-23.8	-61.0			1042.2	0.4	-72.1		
1010	0.6	-82.7			1034.3	-12.9	-57.9			1018.5	-22.7	-60.7			1042.3	1.8	-71.8		
1011	2.1	-82.9			1034.5	-11.7	-57.6			1018.5	-21.6	-60.3			1042.5	3.1	-71.3		
1012	3.7	-82.4			1034.6	-10.6	-57.4	-71.3	-71.9	1018.6	-20.7	-60.0			1042.7	4.5	-70.9		
1013	5.1	-81.1			1034.9	-9.6	-57.0			1018.8	-19.5	-59.7			1042.8	6.0	-70.5		
1014	6.7	-80.8			1034.9	-8.3	-56.8			1018.9	-18.5	-59.5			1042.8	7.5	-70.3		
1015	7.9	-79.2			1035.2	-7.1	-56.5			1019.1	-17.6	-59.0			1043.1	9.0	-69.7		
1016	9.6	-78.7	-95.7	-99.4	1035.3	-6.0	-56.2	-71.3	-72.0	1019.4	-16.5	-58.8	-76.2	-76.2	1043.3	10.3	-69.3	-86.8	-89.5
1017	10.9	-77.3			1035.4	-4.8	-55.9			1019.4	-15.5	-58.4			1043.4	11.8	-68.8		
1018	12.5	-76.5			1035.6	-3.6	-55.5			1019.6	-14.2	-57.9			1043.5	13.2	-68.5		
1019	13.9	-76.3			1035.7	-2.3	-55.1			1019.6	-12.5	-57.6			1043.8	14.7	-68.0		
1020	15.4	-75.7			1036.0	-1.1	-55.0	-71.3	-72.2	1019.8	-10.9	-57.2			1043.6	16.2	-67.5		
1021	17.0	-74.2			1036.1	0.1	-54.6			1020.1	-9.4	-56.8			1043.9	17.6	-67.1		
1022	18.4	-73.6			1036.3	1.4	-54.3			1020.2	-8.0	-56.3			1044.0	19.1	-66.5		
1023	20.0	-73.2			1036.6	2.7	-54.0			1020.3	-6.4	-55.9			1044.2	20.5	-66.2		
1024	21.6	-73.7	-96.0	-100.0	1036.8	3.9	-53.5	-71.4	-72.1	1020.4	-5.1	-55.6	-76.3	-76.3	1044.5	22.0	-65.8	-86.5	-89.3
1025	23.1	-73.1			1036.9	5.3	-53.2			1020.5	-3.5	-55.1			1044.6	23.5	-65.2		
1026	24.6	-72.4			1037.0	6.5	-52.9			1020.8	-2.1	-54.6			1044.7	24.9	-64.7		
1027	26.2	-71.6			1037.4	7.8	-52.4			1020.9	-0.7	-54.2			1044.9	26.4	-64.2		
1028	27.6	-70.8			1037.5	9.0	-52.1	-71.4	-72.4	1021.1	0.6	-53.7			1044.9	27.9	-63.6		
1029	29.1	-69.9			1037.7	10.4	-51.6			1021.2	2.2	-53.2			1045.2	29.4	-63.2		
1030	30.6	-69.2			1037.8	11.7	-51.3			1021.3	3.6	-52.7			1045.4	30.9	-62.7		
1031	32.1	-68.1			1038.0	13.0	-50.8			1021.5	5.1	-52.3			1045.5	32.3	-62.2		
1032	33.6	-67.3	-96.0	-100.4	1038.3	14.4	-50.3	-71.5	-72.5	1021.7	6.5	-51.8	-76.3	-76.5	1045.7	33.8	-61.6	-86.1	-89.3
1033	35.1	-66.3			1038.4	15.7	-49.9			1021.9	8.0	-51.4			1045.9	35.4	-61.0		
1034	36.7	-65.4			1038.7	17.1	-49.4			1022.0	9.5	-50.9			1046.1	36.9	-60.4		
1035	38.3	-64.4			1038.8	18.5	-49.1			1022.0	10.9	-50.2			1046.3	38.3	-60.0		
1036	39.9	-63.4			1039.1	19.7	-48.6	-71.6	-72.5	1022.4	12.5	-49.6			1046.4	39.8	-59.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1037	41.3	-62.4			1039.2	21.2	-48.1			1022.5	13.7	-49.1			1046.6	41.4	-58.9		
1038	42.9	-61.4			1039.5	22.7	-47.5			1022.7	15.2	-48.6			1046.8	42.9	-58.2		
1039	44.4	-60.2			1039.7	24.0	-47.1			1022.9	16.6	-47.9			1046.9	44.3	-57.6		
1040	46.1	-59.2	-96.1	-100.7	1039.8	25.3	-46.5	-71.4	-72.6	1023.1	18.2	-47.2	-76.2	-76.2	1047.0	45.9	-57.0	-86.0	-89.3
1041	47.5	-58.1			1040.0	26.9	-45.9			1023.2	19.7	-46.7			1047.2	47.3	-56.4		
1042	49.2	-56.9			1040.2	28.3	-45.4			1023.4	21.2	-46.0			1047.4	48.9	-55.7		
1043	50.6	-55.6			1040.4	29.8	-44.9			1023.5	22.6	-45.6			1047.7	50.4	-55.1		
1044	52.3	-54.4			1040.6	31.2	-44.2	-71.5	-72.6	1023.7	24.1	-44.9			1047.8	52.1	-54.5		
1045	53.9	-53.3			1040.8	32.7	-43.7			1023.9	25.5	-44.2			1048.0	53.6	-53.7		
1046	55.4	-52.0			1041.1	34.1	-43.1			1024.1	27.0	-43.6			1048.1	55.1	-53.1		
1047	57.1	-50.7			1041.2	35.6	-42.6			1024.3	28.5	-43.0			1048.3	56.6	-52.6		
1048	58.7	-49.3	-95.6	-101.0	1041.5	37.0	-41.9	-71.2	-72.8	1024.5	30.0	-42.2	-75.9	-76.4	1048.4	58.2	-51.7	-85.4	-89.3
1049	60.3	-47.6			1041.8	38.6	-41.3			1024.7	31.5	-41.5			1048.7	59.7	-51.2		
1050	62.1	-47.0			1042.0	40.1	-40.7			1024.8	33.0	-40.9			1048.9	61.4	-50.5		
1051	63.6	-45.5			1042.2	41.8	-40.0			1025.2	34.5	-40.1			1049.1	63.0	-49.7		
1052	65.3	-44.0			1042.3	43.2	-39.3	-71.2	-72.9	1025.2	36.1	-39.3			1049.2	64.5	-49.1		
1053	67.0	-42.2			1042.7	44.7	-38.8			1025.5	37.5	-38.5			1049.6	65.9	-48.3		
1054	68.6	-41.3			1042.8	46.4	-37.8			1025.6	38.9	-37.9			1049.7	67.7	-47.7		
1055	70.3	-40.0			1042.9	47.8	-37.2			1025.6	40.6	-36.9			1049.9	69.2	-46.9		
1056	71.9	-38.7	-95.3	-101.0	1043.3	49.4	-36.5	-71.2	-72.8	1026.0	42.1	-36.3	-75.7	-76.6	1050.0	71.0	-46.1	-84.9	-89.3
1057	73.5	-37.5			1043.5	51.0	-35.8			1026.2	43.6	-35.5			1050.1	72.5	-45.3		
1058	75.3	-36.2			1043.6	52.6	-35.0			1026.2	45.3	-34.6			1050.5	74.1	-44.5		
1059	76.9	-34.8			1043.8	54.1	-34.2			1026.7	46.9	-33.7			1050.6	75.8	-43.8		
1060	78.7	-33.5			1044.1	55.7	-33.6	-70.9	-72.8	1026.8	48.3	-33.0			1050.9	77.4	-43.1		
1061	80.3	-32.0			1044.3	57.4	-32.8			1026.9	49.7	-32.1			1050.9	79.0	-42.3		
1062	82.1	-30.2			1044.5	58.9	-32.1			1027.1	51.5	-31.1			1051.2	80.7	-41.5		
1063	83.9	-29.2			1044.9	60.6	-31.0			1027.5	53.0	-30.2			1051.4	82.3	-40.6		
1064	85.4	-28.3	-94.9	-101.1	1044.9	62.3	-30.3	-70.8	-72.7	1027.6	54.5	-29.5	-75.4	-76.4	1051.5	83.9	-39.8	-84.4	-89.2
1065	87.2	-27.1			1045.1	63.9	-29.5			1027.6	56.1	-28.4			1051.8	85.6	-38.9		
1066	88.9	-25.9			1045.5	65.4	-28.6			1027.9	57.6	-27.7			1051.8	87.4	-38.1		
1067	90.6	-24.4			1045.7	67.2	-27.8			1028.1	59.2	-26.7			1052.1	88.9	-37.3		
1068	92.5	-23.5			1045.9	68.8	-27.0	-70.6	-72.6	1028.3	60.9	-25.7			1052.4	90.6	-36.4		
1069	94.3	-22.4			1046.1	70.4	-26.1			1028.5	62.4	-24.8			1052.5	92.4	-35.4		
1070	96.1	-21.2			1046.5	72.0	-25.2			1028.7	64.0	-23.9			1052.8	94.1	-34.8		
1071	97.9	-20.0			1046.6	73.8	-24.2			1028.8	65.5	-22.9			1052.9	95.8	-33.9		
1072	99.7	-19.3	-94.0	-101.0	1046.7	75.6	-23.5	-70.5	-72.7	1029.1	67.1	-21.8	-75.1	-76.5	1053.1	97.5	-33.0	-83.8	-89.2
1073	101.6	-18.2			1047.1	77.1	-22.5			1029.2	68.8	-21.0			1053.4	99.1	-32.0		
1074	103.2	-17.3			1047.4	78.8	-21.5			1029.5	70.4	-20.1			1053.5	100.9	-31.1		
1075	105.0	-16.3			1047.5	80.4	-20.7			1029.8	71.8	-19.1			1053.7	102.5	-30.2		
1076	106.9	-15.3			1047.9	82.3	-19.8	-70.2	-72.7	1029.9	73.5	-18.0			1053.9	104.3	-29.5		
1077	108.8	-14.3			1048.1	83.9	-18.9			1030.0	75.0	-17.2			1054.0	106.1	-28.5		
1078	110.7	-13.3			1048.2	85.5	-17.9			1030.1	76.8	-16.2			1054.4	107.7	-27.5		
1079	112.5	-12.3			1048.5	87.3	-17.1			1030.3	78.4	-15.2			1054.6	109.5	-26.6		
1080	114.4	-11.7	-93.2	-101.1	1048.8	88.9	-16.0	-70.0	-72.7	1030.6	79.9	-14.4	-74.7	-76.5	1054.7	111.3	-25.7	-82.9	-89.0
1081	116.3	-10.7			1049.1	90.7	-15.2			1030.7	81.5	-13.4			1055.0	113.1	-24.8		
1082	118.4	-9.8			1049.3	92.4	-14.3			1030.9	83.3	-12.3			1055.1	114.8	-23.9		
1083	120.2	-8.9			1049.6	94.0	-13.3			1031.3	84.7	-11.5			1055.3	116.6	-22.9		
1084	122.1	-7.7			1049.8	95.8	-12.6	-69.8	-72.6	1031.3	86.5	-10.5			1055.4	118.5	-22.0		
1085	124.0	-6.3			1050.1	97.5	-11.7			1031.5	88.1	-9.4			1055.8	120.3	-21.1		
1086	125.9	-5.2			1050.3	99.2	-10.7			1031.6	89.6	-8.6			1055.9	122.1	-20.3		
1087	127.9	-3.8			1050.6	101.0	-9.7			1032.0	91.3	-7.6			1056.0	123.8	-19.4		
1088	129.9	-2.4	-92.3	-101.0	1050.8	102.7	-8.9	-69.6	-72.6	1032.1	92.8	-6.8	-74.1	-76.3	1056.3	125.6	-18.5	-82.2	-88.9
1089	131.8	-1.2			1050.9	104.3	-7.9			1032.3	94.5	-5.7			1056.5	127.4	-17.5		
1090	133.8	0.3			1051.3	105.9	-7.1			1032.4	96.3	-4.8			1056.7	129.3	-16.6		
1091	135.8	1.7			1051.5	107.7	-6.2			1032.6	97.8	-3.8			1056.8	131.2	-15.6		
1092	137.8	3.1			1052.0	109.2	-5.4	-69.4	-72.7	1032.8	99.5	-3.0			1057.2	133.0	-14.6		
1093	139.9	4.4			1052.1	111.0	-4.5			1032.9	101.2	-2.0			1057.4	134.8	-13.7		
1094	141.8	5.9			1052.4	112.7	-3.4			1033.4	102.7	-1.1			1057.7	136.8	-12.9		
1095	143.9	7.2			1052.7	114.4	-2.6			1033.5	104.5	-0.2			1057.7	138.7	-12.0		
1096	145.9	8.6	-91.0	-100.9	1052.8	116.2	-1.6	-69.1	-72.6	1033.6	106.1	0.8	-73.6	-76.4	1057.8	140.5	-11.0	-81.1	-88.8
1097	147.9	10.0			1053.0	117.9	-0.9			1033.7	107.8	1.6			1058.2	142.4	-10.0		
1098	149.9	11.4			1053.3	119.6	0.0			1033.9	109.4	2.7			1058.3	144.3	-9.0		
1099	152.0	12.7			1053.6	121.3	0.9			1034.1	111.1	3.7			1058.6	146.2	-8.1		
1100	153.9	14.1			1053.8	123.0	1.8	-68.7	-72.5	1034.4	112.7	4.4			1058.7	148.2	-7.2		
1101	155.9	15.4			1054.0	124.9	2.7			1034.5	114.4	5.4			1058.9	150.0	-6.3		
1102	157.8	16.6			1054.4	126.5	3.6			1034.8	116.2	6.4			1059.2	152.1	-5.3		
1103	159.7	17.7			1054.6	128.2	4.5			1034.9	117.8	7.2			1059.4	154.0	-4.4		
1104	161.8	18.9	-90.4	-101.8	1055.0	130.0	5.4	-68.3	-72.5	1035.0	119.5	8.2	-72.9	-76.1	1059.6	156.0	-3.4	-79.9	-88.5
1105	163.8	20.1			1055.3	131.7	6.3			1035.2	121.3	9.2			1059.8	158.1	-2.5		
1106	165.8	21.5			1055.4	133.4	7.2			1035.5	123.0	10.0			1060.1	160.1	-1.5		
1107	167.9	22.8			1055.8	135.1	8.0			1035.7	124.7	11.1			1060.3	162.0	-0.7		
1108	170.1	24.1			1056.0	136.9	9.1	-67.9	-72.4	1035.8	126.4	11.9			1060.4	164.1	0.2		
1109	172.3	25.5			1056.2	138.7	9.9			1035.9	128.1	12.8			1060.7	166.0	1.1		
1110	174.4	26.8			1056.5	140.4	10.8			1036.1	129.9	13.9			1060.9	168.2	2.1		
1111	176.6	28.2			1056.7	142.2	11.7			1036.3	131.6	14.9			1061.1	170.1	3.0		
1112	179.0	29.7	-89.4	-101.7	1056.9	144.0	12.5	-67.5	-72.4	1036.4	133.3	15.8	-72.0	-75.9	1061.2	172.2	3.9	-78.9	-89.3
1113	181.3	31.1			1057.3	145.6	13.3			1036.5	135.1	17.0			1061.6	174.2	4.9		
1114	183.6	32.4			1057.5	147.4	14.4			1036.8	136.9	17.8			1061.8	176.2	5.7		
1115	186.0	33.7			1057.8	149.1	15.3			1037.0	138.5	18.8			1061.8	178.3	6.5		
1116	188.3	35.4			1057.9	151.0	16.2	-67.0	-72.2	1037.1	140.2	19.8			1062.1	180.1	7.2		
1117	190.7	36.7			1058.2	152.8	17.1			1037.2	141.9	20.8			1062.4	182.1	8.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1118	193.1	38.3			1058.5	154.6	17.9			1037.2	143.7	21.6			1062.5	184.1	9.0		
1119	195.6	39.7			1058.8	156.3	18.8			1037.4	145.4	22.7			1062.6	186.3	10.0		
1120	198.2	41.1	-87.8	-101.3	1059.1	158.1	19.9	-66.6	-72.2	1037.4	147.1	23.8	-71.2	-75.9	1063.0	188.6	11.0	-78.3	-89.0
1121	200.5	42.7			1059.2	160.1	20.6			1037.7	149.0	24.6			1063.2	190.9	12.2		
1122	203.2	44.1			1059.4	161.7	21.7			1037.8	150.7	25.7			1063.4	193.2	13.1		
1123	205.7	45.7			1059.5	163.6	22.5			1037.9	152.4	26.5			1063.7	195.6	14.1		
1124	208.3	47.1			1059.9	165.3	23.4	-66.1	-72.1	1038.0	154.1	27.8			1063.8	197.8	15.3		
1125	210.8	48.6			1060.2	167.2	24.3			1038.1	155.8	28.6			1063.8	200.2	16.4		
1126	213.4	50.1			1060.1	169.1	25.5			1038.3	157.6	29.7			1064.3	202.7	17.4		
1127	216.1	51.6			1060.5	170.8	26.4			1038.4	159.2	30.5			1064.4	205.3	18.5		
1128	218.7	53.2	-85.3	-100.8	1060.5	172.6	27.3	-65.6	-72.2	1038.4	161.0	31.6	-70.6	-76.1	1064.6	207.6	19.6	-76.4	-88.6
1129	221.3	54.7			1060.8	174.4	28.1			1038.5	162.6	32.5			1064.8	210.3	20.6		
1130	224.1	56.2			1060.9	176.2	29.2			1038.6	164.4	33.5			1065.1	212.7	21.9		
1131	226.7	57.9			1061.3	177.9	30.0			1038.6	166.1	34.5			1065.2	215.4	22.9		
1132	229.2	59.4			1061.4	179.7	31.0	-65.2	-72.2	1038.6	168.0	35.5			1065.4	217.9	24.0		
1133	231.9	60.8			1061.6	181.6	31.9			1038.6	169.9	36.6			1065.7	220.5	25.2		
1134	234.5	62.4			1061.8	183.4	32.9			1038.7	171.7	37.8			1065.8	223.2	26.2		
1135	237.2	63.7			1062.1	185.1	34.0			1038.7	173.5	38.8			906.9	225.9	27.4		
1136	239.7	65.5	-83.1	-100.3	1062.2	187.1	35.0	-64.9	-72.4	1038.7	175.5	39.9	-69.4	-75.3	856.6	228.5	28.7	-74.8	-88.6
1137	242.4	66.9			1062.4	188.9	36.0			1038.7	177.3	41.0			1015.0	231.2	29.8		
1138	245.0	68.4			1062.8	190.8	37.0			1038.9	179.1	42.0			1044.1	234.0	30.9		
1139	247.6	69.9			1062.9	192.8	37.9			1039.0	181.2	43.2			951.7	236.6	32.1		
1140	250.3	71.5			1063.1	194.6	39.0	-64.2	-72.4	1039.0	183.0	44.2			858.3	239.4	33.4		
1141	252.8	73.0			1063.4	196.5	40.0			1039.1	184.9	45.4			821.1	242.2	34.5		
1142	255.4	74.6			1063.6	198.6	41.1			1039.2	186.8	46.5			895.1	245.0	35.7		
1143	257.9	76.2			1063.8	200.5	42.1			1039.1	188.8	47.5			927.6	247.6	36.8		
1144	260.5	77.7	-80.9	-100.1	1064.1	202.4	43.2	-63.7	-72.3	1039.2	190.7	48.8	-68.3	-75.8	969.5	250.4	38.1	-72.9	-88.4
1145	263.1	79.2			1064.3	204.2	44.2			1039.4	192.7	50.0			1068.1	253.2	39.3		
1146	265.7	80.7			1064.4	206.4	45.3			1039.4	194.7	51.0			1067.8	255.9	40.5		
1147	268.1	82.3			1064.7	208.3	46.4			1039.6	196.6	52.1			1068.6	258.7	41.7		
1148	270.7	83.9			1064.9	210.3	47.4	-62.9	-72.0	1039.6	198.6	53.4			1068.7	261.3	42.9		
1149	273.2	85.4			1065.1	212.2	48.5			1039.7	200.6	54.5			1069.1	264.0	44.3		
1150	275.6	86.9			1065.4	214.3	49.6			1039.8	202.5	55.7			1069.3	266.8	45.5		
1151	278.1	88.7			1065.6	216.3	50.7			1039.8	204.4	56.8			1069.3	269.5	46.7		
1152	280.7	90.1	-78.5	-100.1	1065.8	218.3	51.9	-62.2	-72.1	1039.8	206.4	58.0	-66.8	-75.8	1069.7	272.2	47.9	-70.8	-88.2
1153	283.2	91.7			1066.1	220.2	52.9			1039.8	208.5	59.1			1069.8	274.9	49.3		
1154	285.6	93.3			1066.3	222.4	54.2			1039.9	210.5	60.4			1070.0	277.6	50.5		
1155	288.1	94.9			1066.4	224.4	55.1			1040.0	212.4	61.4			1070.1	280.2	51.7		
1156	290.4	96.6			1066.8	226.5	56.3	-61.3	-72.0	1040.0	214.4	62.6			1070.4	282.8	53.0		
1157	292.9	98.2			1066.8	228.5	57.5			1040.0	216.3	63.7			1070.6	285.5	54.3		
1158	295.4	99.8			1067.1	230.4	58.6			1040.1	218.2	65.0			1070.8	288.1	55.8		
1159	297.7	101.4			1067.4	232.4	59.7			1040.3	220.2	66.2			1070.9	290.7	57.1		
1160	300.0	103.0	-75.7	-99.8	1067.7	234.6	61.0	-60.5	-71.9	1040.4	222.3	67.5	-65.5	-75.7	1071.2	293.3	58.3	-68.5	-88.1
1161	302.5	104.6			1067.8	236.6	62.1			1040.4	224.3	68.7			1071.4	296.0	59.8		
1162	304.9	106.2			1068.0	238.7	63.3			1040.5	226.2	70.0			1071.6	298.6	61.2		
1163	307.3	107.8			1068.4	240.8	64.4			1040.6	228.2	71.3			1071.6	301.1	62.5		
1164	309.7	109.5			1068.5	242.8	65.7	-59.6	-71.9	1040.6	230.2	72.5			1072.0	303.6	64.0		
1165	312.0	111.1			1068.8	244.9	66.9			1040.7	232.2	73.7			1072.1	306.3	65.3		
1166	314.5	112.8			1068.8	247.0	68.2			1040.8	234.2	75.0			1072.4	308.7	66.7		
1167	316.8	114.4			1069.3	249.0	69.4			1041.0	236.3	76.3			1072.4	311.4	68.1		
1168	319.2	116.0	-72.8	-99.5	1069.5	251.0	70.6	-58.5	-71.8	1041.2	238.2	77.5	-63.7	-75.5	1072.5	313.8	69.4	-66.1	-87.8
1169	321.6	117.7			1069.6	253.2	71.7			1041.2	240.1	78.9			1072.8	316.3	70.9		
1170	324.2	119.4			1070.0	255.2	72.9			1041.3	242.2	80.1			1073.0	318.8	72.3		
1171	326.5	121.1			1070.2	257.3	74.3			1041.6	244.1	81.5			1073.4	321.5	73.8		
1172	328.9	122.9			1070.5	259.2	75.6	-57.7	-71.9	1041.6	246.1	82.7			1073.5	323.9	75.3		
1173	331.4	124.4			1070.7	261.2	76.8			1041.8	248.0	84.0			1073.6	326.5	76.7		
1174	333.9	126.3			1070.8	263.4	77.9			1041.9	249.9	85.3			1073.9	329.0	78.0		
1175	336.3	127.9			1071.2	265.4	79.3			1042.0	252.1	86.6			1074.2	331.3	79.5		
1176	338.7	129.8	-69.0	-98.4	1071.5	267.5	80.5	-56.6	-71.8	1042.2	254.0	87.9	-61.6	-75.5	1074.4	334.0	81.1	-63.1	-87.6
1177	341.3	131.6			1071.7	269.4	81.8			1042.5	256.0	89.2			1074.7	336.3	82.6		
1178	343.6	133.4			1072.0	271.6	83.1			1042.6	257.9	90.6			1074.8	338.8	84.0		
1179	346.2	135.1			1072.3	273.5	84.4			1042.7	260.0	92.0			1075.1	341.4	85.5		
1180	348.8	136.9			1072.7	275.5	85.6	-55.3	-71.6	1042.8	261.8	93.3			1075.3	343.9	87.0		
1181	351.2	138.8			1072.8	277.6	86.9			1043.1	263.8	94.5			1075.5	346.4	88.4		
1182	353.9	140.6			1073.1	279.6	88.2			1043.3	265.7	96.0			1075.7	348.8	90.0		
1183	356.3	142.4			1073.5	281.6	89.6			1043.4	267.6	97.2			1075.9	351.2	91.5		
1184	358.9	144.3	-64.0	-96.8	1073.7	283.5	90.8	-54.1	-71.5	1043.6	269.7	98.7	-59.6	-75.2	1076.3	353.9	93.1	-59.4	-86.2
1185	361.4	146.0			1074.1	285.7	92.2			1043.7	271.6	99.9			1076.4	356.4	94.7		
1186	363.9	147.7			1074.3	287.6	93.5			1044.0	273.5	101.4			1076.6	358.9	96.4		
1187	366.4	149.6			1074.5	289.6	94.8			1044.1	275.5	102.7			1076.8	361.5	98.0		
1188	369.0	151.4			1074.9	291.7	96.2	-53.0	-71.4	1044.2	277.4	104.1			1077.1	364.2	99.7		
1189	371.5	153.3			1075.1	293.6	97.6			1044.5	279.4	105.5			1077.4	366.8	101.5		
1190	374.0	155.0			1075.3	295.6	98.9			1044.5	281.2	106.8			1077.5	369.5	103.1		
1191	376.5	156.7			1075.6	297.7	100.3			1044.8	283.2	108.3			1077.8	372.1	104.9		
1192	379.1	158.7	-58.6	-95.2	1075.8	299.6	101.6	-51.5	-71.3	1045.0	285.1	109.8	-57.1	-75.0	1078.0	374.8	106.6	-54.4	-84.3
1193	381.7	160.5			1075.7	301.6	102.9			1045.1	287.1	111.0			1078.4	377.4	108.4		
1194	384.2	162.3			1076.0	303.5	104.3			1045.4	289.0	112.3			1078.7	380.0	110.1		
1195	386.8	164.2			1076.0	305.5	105.6			1045.6	290.9	113.7			1078.8	382.7	111.8		
1196	389.3	166.0			1076.0	307.4	106.9	-50.2	-71.3	1045.7	292.7	115.1			1079.1	385.5	113.6		
1197	391.9	168.0			1075.8	309.4	108.3			1045.9	294.8	116.5			1079.3	388.2	115.4		
1198	394.6	169.7			1075.6	311.3	109.7			1046.2	296.8	117.9			1079.6	390.9	117.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1199	397.3	171.7			1075.1	313.1	111.0			1046.3	298.6	119.3			1079.8	393.6	119.0		
1200	399.9	173.8	-52.5	-92.9	1074.5	315.2	112.4	-48.7	-71.0	1046.5	300.6	120.7	-54.6	-74.8	1079.9	396.4	120.9	-48.0	-81.5
1201	402.6	175.6			1073.6	317.2	113.8			1046.8	302.5	122.1			1080.3	399.2	122.8		
1202	405.4	177.6			1072.4	319.1	115.2			1047.0	304.6	123.5			1080.7	401.8	124.6		
1203	408.0	179.5			1071.0	321.0	116.5			1047.2	306.5	125.0			1078.0	404.6	126.3		
1204	410.5	181.3			1068.8	322.9	118.0	-47.2	-71.0	1047.5	308.4	126.3			1080.9	407.3	128.1		
1205	413.2	183.3			1066.0	325.0	119.4			1047.7	310.3	127.7			1081.5	409.8	129.9		
1206	415.8	185.1			1062.6	326.8	120.7			1047.7	312.2	129.0			1077.4	412.4	131.6		
1207	418.4	186.9			1058.5	328.9	122.1			1047.9	314.2	130.5			1071.5	415.2	133.2		
1208	421.0	188.8	-45.8	-91.9	1053.0	330.7	123.4	-45.5	-70.8	1048.3	316.1	131.9	-51.7	-74.4	1075.8	417.8	135.0	-42.2	-80.9
1209	423.5	190.3			1047.1	332.6	124.7			1048.5	318.2	133.3			1073.7	420.2	136.5		
1210	426.1	192.1			1038.7	334.5	126.2			1048.7	320.1	134.7			1070.0	422.6	138.1		
1211	428.7	193.7			1029.4	336.5	127.5			1049.0	322.0	136.1			1081.3	425.4	139.7		
1212	431.3	195.5			1018.2	338.4	128.9	-43.8	-70.6	1049.3	323.9	137.5			1083.4	427.8	141.3		
1213	433.9	197.2			1006.4	340.2	130.3			1049.5	326.0	138.9			1083.6	430.3	142.9		
1214	436.5	198.9			992.6	342.1	131.7			1049.9	327.8	140.3			1083.8	432.9	144.4		
1215	439.1	200.5			977.7	344.1	133.2			1050.1	329.7	141.7			1084.3	435.6	145.8		
1216	441.9	202.4	-40.2	-91.2	960.0	346.1	134.4	-42.1	-70.3	1050.3	331.8	143.1	-48.2	-74.0	1084.5	438.1	147.5	-37.1	-80.6
1217	444.7	204.0			943.0	347.9	135.9			1050.8	333.7	144.6			1084.7	440.7	149.0		
1218	447.3	205.8			924.9	349.8	137.4			1050.9	335.6	146.0			1085.0	443.4	150.6		
1219	449.9	207.4			906.1	351.8	138.6			1051.3	337.6	147.5			1085.3	445.9	152.2		
1220	452.7	209.0			886.6	353.7	140.2	-40.1	-70.0	1051.5	339.5	148.9			1085.5	448.6	153.5		
1221	455.5	210.8			862.0	355.6	141.5			1051.6	341.6	150.3			1085.9	451.4	155.2		
1222	458.3	212.5			836.6	357.5	143.0			1052.1	343.5	151.9			1086.1	454.1	156.7		
1223	461.0	214.2			809.2	359.5	144.4			1052.3	345.5	153.2			1086.5	456.8	158.1		
1224	463.9	215.9	-34.5	-90.5	787.3	361.3	145.9	-38.1	-69.9	1052.7	347.3	154.7	-44.6	-72.4	1086.7	459.6	159.7	-31.9	-80.1
1225	466.6	217.7			764.0	363.2	147.2			1053.0	349.3	156.0			1087.2	462.2	161.2		
1226	469.5	219.5			745.1	365.2	148.6			1053.3	351.3	157.4			823.1	465.1	162.7		
1227	472.4	221.2			726.4	367.2	150.1			1053.5	353.1	158.8			772.6	467.8	164.2		
1228	475.1	222.9			712.1	369.1	151.4	-35.9	-69.5	1053.9	355.3	160.1			688.8	470.6	165.5		
1229	478.0	224.7			692.4	370.9	152.8			1054.1	357.2	161.7			687.9	473.5	167.2		
1230	480.9	226.3			673.8	372.9	154.3			1054.3	359.1	163.1			697.2	476.3	168.6		
1231	483.7	228.1			658.0	374.9	155.7			1054.6	361.2	164.5			741.8	479.3	170.2		
1232	486.6	229.9	-28.2	-90.1	643.8	376.7	157.2	-33.8	-69.5	1055.0	363.1	166.0	-40.6	-72.5	805.1	482.2	171.6	-26.7	-79.8
1233	489.6	231.6			630.7	378.6	158.6			1055.2	365.0	167.6			877.8	485.1	172.9		
1234	492.4	233.4			619.1	380.7	160.0			1055.4	367.1	168.9			830.8	488.1	174.5		
1235	495.2	235.1			612.0	382.5	161.3			1055.8	369.2	170.4			1090.5	491.0	176.1		
1236	498.1	236.8			602.7	384.4	162.8	-31.5	-69.2	1056.0	371.0	171.8			1090.6	494.0	177.5		
1237	501.0	238.7			597.1	386.4	164.2			1056.4	373.0	173.3			979.0	496.9	178.9		
1238	504.0	240.4			592.0	388.3	165.7			1056.6	375.1	174.8			753.8	499.9	180.6		
1239	506.9	242.2			588.2	390.1	167.1			1056.7	376.9	176.2			725.1	502.9	182.1		
1240	509.8	244.1	-22.0	-89.3	583.3	392.1	168.4	-29.3	-68.9	1057.2	379.0	177.6	-36.3	-71.9	728.0	505.9	183.6	-21.0	-79.5
1241	512.5	245.9			578.7	394.2	169.8			1057.4	381.1	179.0			713.5	508.9	185.1		
1242	515.5	247.7			577.8	396.1	171.3			1057.6	383.2	180.5			711.8	511.9	186.6		
1243	518.4	249.6			575.6	397.9	172.9			1057.8	385.2	182.0			706.4	515.0	188.0		
1244	521.4	251.3			572.1	399.9	174.2	-26.7	-68.4	1058.1	387.3	183.7			700.6	517.8	189.6		
1245	524.2	253.2			568.9	401.9	175.6			1058.2	389.4	185.2			701.3	520.8	191.2		
1246	527.1	255.0			566.2	403.9	177.1			1058.3	391.6	186.7			698.9	523.8	192.6		
1247	530.0	256.9			563.9	405.7	178.5			1058.5	393.0	188.2			703.5	526.8	194.2		
1248	532.8	258.6	-15.4	-88.8	561.2	407.6	180.0	-24.2	-68.2	1058.2	395.9	190.4	-30.3	-69.3	719.0	529.7	195.6	-15.4	-79.0
1249	535.7	260.5			558.8	409.6	181.4			1058.6	398.3	192.2			737.0	532.7	197.1		
1250	538.5	262.3			557.0	411.7	182.8			1058.7	402.1	193.7			741.5	535.6	198.6		
1251	541.3	264.2			555.2	413.7	184.2			1058.7	404.9	195.6			732.1	538.7	200.1		
1252	544.1	266.2			553.5	415.7	185.9	-21.5	-67.6	1058.8	406.9	197.1			684.4	541.4	201.8		
1253	547.1	268.0			552.0	417.8	187.4			1058.6	409.6	199.0			587.4	544.4	203.4		
1254	550.0	269.8			550.4	419.7	188.8			1058.2	412.9	201.1			583.8	547.3	204.9		
1255	552.8	271.8			548.8	421.7	190.2			1057.5	415.2	202.8			566.7	550.3	206.6		
1256	555.7	273.6	-8.8	-87.9	547.5	423.6	191.9	-18.5	-66.7	1056.7	419.0	204.7	-24.2	-68.8	567.8	553.1	208.2	-9.2	-78.5
1257	558.4	275.6			546.0	425.8	193.5			1054.3	422.9	206.0			561.0	556.1	209.8		
1258	561.3	277.6			544.6	428.5	195.2			1017.7	427.2	207.9			561.0	559.0	211.4		
1259	564.1	279.4			543.3	430.4	196.8			802.8	430.8	209.4			555.1	561.8	213.0		
1260	566.8	281.6			542.0	433.4	199.0	-14.6	-65.9	644.6	436.0	211.2			554.2	564.8	214.5		
1261	569.5	283.5			540.9	436.0	201.0			570.5	441.4	212.7			550.3	567.7	216.3		
1262	572.4	285.6			539.7	438.3	202.6			549.0	447.1	214.5			546.3	570.6	217.9		
1263	575.3	287.5			538.8	440.6	204.2			538.8	452.9	216.1			544.7	573.4	219.6		
1264	578.1	289.5	-2.2	-86.9	537.5	443.5	205.6	-11.9	-65.7	534.2	459.1	217.9	-18.8	-68.2	540.3	576.4	221.2	-3.1	-77.6
1265	580.8	291.6			536.7	446.2	207.1			530.9	466.2	219.7			536.5	579.3	222.7		
1266	583.6	293.4			535.6	449.8	208.7			526.7	472.9	221.4			534.9	582.1	224.5		
1267	586.5	295.6			534.7	453.6	210.2			522.1	480.0	223.4			530.8	584.8	226.1		
1268	589.2	297.4			533.7	458.0	211.6	-9.0	-65.0	520.0	487.0	225.2			525.3	587.5	227.8		
1269	592.0	299.6			533.0	463.1	213.1			521.4	494.3	227.1			523.1	590.4	229.4		
1270	594.8	301.5			531.8	468.1	214.8			518.8	501.5	228.9			521.3	593.0	231.2		
1271	597.6	303.6			531.0	474.1	216.1			517.5	509.0	230.9			520.3	595.9	232.9		
1272	600.3	305.5	4.3	-85.6	530.1	480.3	218.0	-6.3	-64.6	516.0	516.4	233.1	-13.1	-67.3	517.3	598.8	234.6	2.9	-76.5
1273	603.1	307.7			529.0	486.9	219.5			514.9	523.9	235.2			515.9	601.6	236.2		
1274	605.7	309.8			528.2	493.6	220.9			512.2	531.5	237.3			511.9	604.3	238.1		
1275	608.6	311.8			527.8	500.3	222.5			509.6	539.1	239.6			512.0	607.1	239.7		
1276	611.3	313.8			527.0	507.8	224.3	-3.6	-64.1	507.1	546.4	241.9			508.9	609.8	241.3		
1277	613.9	315.9			526.1	515.0	226.0			505.7	553.7	244.2			507.2	612.5	243.2		
1278	616.7	317.8			525.3	522.4	227.5			503.8	561.4	246.7			505.3	615.3	244.9		
1279	619.4	319.8			524.5	529.7	229.4			501.5	568.9	249.2			504.5	617.9	246.5		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1280	622.1	322.0	9.9	-84.1	523.8	537.4	231.1	-0.6	-63.6	500.9	576.3	251.8	-7.0	-66.3	502.8	620.7	248.3	8.3	-75.5
1281	624.8	324.3			523.1	545.0	233.0			499.9	583.8	254.3			501.1	623.4	250.1		
1282	627.4	326.3			522.3	552.6	234.9			498.0	591.1	257.0			499.4	626.1	251.7		
1283	630.0	328.4			521.5	559.9	236.7			495.8	598.1	259.7			497.1	628.6	253.5		
1284	632.6	330.4			521.3	567.7	238.6	2.0	-63.2	493.6	605.0	262.5			494.7	631.4	255.3		
1285	635.3	332.4			520.6	575.3	240.8			491.9	612.2	265.2			493.9	634.0	257.0		
1286	637.9	334.6			519.5	582.8	242.7			490.4	619.2	268.0			492.8	636.5	258.8		
1287	640.5	336.6			518.6	590.2	244.8			488.7	625.9	271.0			492.1	639.0	260.4		
1288	643.0	338.6	15.2	-82.5	518.5	597.7	247.0	4.8	-62.5	487.3	632.8	274.0	-0.8	-65.3	490.9	641.6	262.1	13.4	-74.0
1289	645.6	340.7			518.5	605.0	249.2			486.2	639.3	277.0			484.7	644.2	264.0		
1290	648.0	342.8			517.9	612.3	251.4			484.9	645.9	280.1			482.0	646.8	265.9		
1291	650.5	344.7			517.0	619.6	253.7			483.5	652.3	283.1			487.1	649.4	267.5		
1292	653.1	346.8			516.4	626.5	256.0	7.2	-62.0	481.8	658.5	286.2			485.6	651.8	269.3		
1293	655.5	348.9			515.6	633.5	258.4			480.7	664.8	289.3			484.9	654.3	271.0		
1294	658.0	350.9			515.1	640.4	261.0			478.9	670.9	292.4			484.0	656.8	272.7		
1295	660.5	352.9			514.4	647.3	263.5			477.9	677.0	295.8			483.3	659.2	274.7		
1296	663.0	355.0	20.1	-80.6	514.1	653.9	266.0	10.0	-61.5	477.7	682.9	299.0	5.0	-64.0	482.1	661.7	276.3	17.9	-72.5
1297	665.4	357.0			513.4	660.5	268.6			477.2	688.7	302.3			481.5	664.2	278.3		
1298	667.8	359.1			512.8	667.1	271.3			476.4	694.5	305.8			480.4	666.6	279.8		
1299	670.2	361.0			512.1	673.6	274.0			475.6	700.2	309.1			479.7	668.9	281.7		
1300	672.4	363.1			511.5	679.8	276.7	12.3	-60.9	474.7	705.7	312.5			479.1	671.3	283.4		
1301	674.9	365.1			511.1	686.1	279.4			473.4	711.2	315.9			478.2	673.7	285.3		
1302	677.2	367.1			510.4	692.2	282.3			472.4	716.5	319.2			477.4	676.0	287.0		
1303	679.5	369.1			509.8	698.4	285.2			471.9	721.8	322.6			476.7	678.3	288.8		
1304	681.9	371.2	24.2	-78.6	509.2	704.3	288.0	14.6	-60.0	471.5	727.0	326.0	10.4	-62.4	476.0	680.5	290.5	22.2	-70.7
1305	684.3	373.2			508.8	710.1	290.8			471.1	732.2	329.4			475.2	682.8	292.3		
1306	686.4	375.2			508.1	716.0	293.8			470.3	737.3	332.7			474.6	685.0	294.0		
1307	688.7	377.0			507.7	721.6	296.8			469.8	742.3	336.3			473.8	687.2	295.8		
1308	690.9	379.0			506.9	727.2	299.8	16.8	-59.4	469.0	747.2	339.7			472.9	689.5	297.7		
1309	693.2	380.9			506.6	732.6	302.8			468.4	751.9	343.0			471.5	691.6	299.2		
1310	695.4	382.9			505.9	738.0	305.9			467.7	756.5	346.5			470.6	693.7	301.2		
1311	697.5	384.9			505.4	743.3	308.9			466.8	761.1	349.8			470.0	695.9	303.0		
1312	699.8	386.9	28.4	-76.5	505.0	748.3	312.0	19.0	-58.7	466.3	765.5	353.4	15.4	-61.2	469.9	698.0	304.7	26.3	-68.8
1313	701.7	388.8			504.4	753.4	315.2			466.0	769.9	356.9			469.5	700.2	306.4		
1314	703.8	390.8			503.9	758.5	318.5			465.4	774.3	360.2			469.4	702.1	308.1		
1315	705.9	392.8			503.5	763.5	321.4			464.8	778.6	363.8			468.4	704.2	309.9		
1316	708.0	394.8			502.8	768.3	324.6	21.2	-57.9	464.1	782.8	367.2			467.7	706.3	311.7		
1317	710.0	396.7			502.2	773.0	327.7			463.5	787.1	370.4			467.1	708.4	313.6		
1318	711.9	398.6			501.7	777.7	331.1			463.0	791.2	373.9			466.6	710.4	315.2		
1319	714.0	400.6			501.2	782.3	334.2			462.4	795.1	377.3			465.9	712.4	317.1		
1320	715.9	402.5	32.1	-74.4	500.7	787.0	337.5	23.4	-57.1	461.9	799.2	380.6	20.3	-59.4	465.4	714.4	318.8	30.5	-67.1
1321	718.0	404.5			500.3	791.2	340.7			461.3	803.2	384.0			464.7	716.2	320.6		
1322	719.9	406.3			499.9	795.5	343.9			460.9	807.1	387.4			464.5	718.2	322.4		
1323	721.8	408.5			499.4	799.8	347.1			460.4	810.8	390.7			463.9	720.2	324.1		
1324	723.9	410.3			499.1	804.0	350.3	25.3	-56.4	459.8	814.7	394.0			463.4	722.1	325.8		
1325	725.8	412.4			498.6	808.0	353.6			459.2	818.5	397.3			462.5	724.0	327.6		
1326	727.7	414.1			497.9	812.0	356.8			458.8	822.4	400.7			461.8	725.7	329.4		
1327	729.6	416.1			497.7	816.0	360.0			458.7	826.1	404.1			461.5	727.7	331.2		
1328	731.4	418.0	35.7	-71.9	497.0	820.0	363.4	27.4	-55.5	458.0	829.7	407.2	24.7	-57.8	460.7	729.7	332.7	34.4	-65.0
1329	733.2	419.9			496.5	823.8	366.5			457.4	833.3	410.6			460.5	731.4	334.6		
1330	735.1	421.8			496.1	827.6	369.8			456.7	836.7	413.9			459.9	733.3	336.3		
1331	736.9	423.6			495.8	831.2	373.1			456.4	840.3	417.1			459.7	735.1	338.1		
1332	738.7	425.5			495.4	835.0	376.2	29.3	-54.6	455.7	843.8	420.3			459.5	736.8	339.7		
1333	740.4	427.5			494.9	838.7	379.5			455.1	847.4	423.5			459.1	738.7	341.5		
1334	742.1	429.3			494.4	842.5	382.7			454.6	850.8	426.9			458.5	740.4	343.2		
1335	743.9	431.1			493.9	845.8	385.9			454.1	854.2	429.9			458.1	742.0	344.9		
1336	745.7	433.0	39.3	-69.3	493.4	849.3	389.1	31.2	-53.8	453.7	857.7	433.1	28.5	-56.0	457.6	743.9	346.7	38.7	-62.7
1337	747.5	434.8			493.2	852.8	392.4			453.4	860.9	436.2			457.0	745.4	348.4		
1338	749.2	436.7			492.6	856.3	395.5			452.8	864.1	439.4			456.6	747.1	350.2		
1339	751.0	438.6			492.3	859.6	398.6			452.4	867.4	442.6			456.1	748.7	351.8		
1340	752.7	440.3			491.9	862.8	401.9	32.9	-52.8	451.8	870.5	445.6			455.5	750.3	353.5		
1341	754.4	442.2			491.5	866.0	405.1			451.3	873.8	448.7			455.1	751.9	355.2		
1342	756.1	444.0			491.0	869.1	408.2			450.8	876.8	451.7			454.8	753.6	356.9		
1343	757.7	445.9			490.6	872.4	411.3			450.4	879.8	454.9			454.4	755.2	358.5		
1344	759.3	447.8	43.4	-66.7	490.2	875.3	414.7	34.6	-52.0	449.9	882.9	457.9	32.1	-54.0	453.9	756.8	360.3	43.0	-60.3
1345	760.9	449.6			489.9	878.1	417.7			449.3	885.6	460.9			453.6	758.2	362.0		
1346	762.4	451.4			489.7	881.0	420.8			449.0	888.4	463.8			448.8	759.8	363.7		
1347	764.0	453.2			489.4	884.0	423.9			448.4	891.2	466.8			446.0	761.2	365.4		
1348	765.6	455.0			489.0	886.7	427.0	36.3	-51.2	447.8	894.0	469.8			445.2	762.9	367.0		
1349	767.0	456.6			488.7	889.6	430.0			447.5	896.6	472.8			444.5	764.1	368.7		
1350	768.5	458.6			488.4	892.4	433.0			447.0	899.1	475.9			443.4	765.4	370.5		
1351	770.0	460.3			488.0	894.9	436.0			446.7	901.8	478.8			443.1	766.9	372.0		
1352	771.5	462.0	48.0	-63.9	487.6	897.3	439.1	38.1	-50.1	446.2	904.2	481.7	35.3	-51.8	442.7	768.2	373.8	47.4	-57.8
1353	773.0	463.8			487.1	899.6	441.9			445.9	906.6	484.5			442.5	769.6	375.4		
1354	774.3	465.6			487.0	902.0	444.9			445.4	909.1	487.4			444.6	770.9	376.9		
1355	775.8	467.3			486.5	904.4	447.9			444.9	911.3	490.3			444.8	772.2	378.6		
1356	777.2	469.0			486.3	906.9	450.9	39.7	-49.1	444.6	913.6	493.1			444.7	773.4	380.3		
1357	778.5	470.6			485.8	909.1	453.9			444.1	915.7	495.8			444.6	774.6	381.8		
1358	779.8	472.4			485.5	911.2	456.6			443.8	917.7	498.8			444.8	775.9	383.5		
1359	781.2	474.1			485.2	913.4	459.5			443.5	919.8	501.5			445.0	777.0	385.1		
1360	782.4	475.8	53.7	-61.1	485.0	915.5	462.5	41.7	-47.9	443.0	921.7	504.2	38.2	-49.6	444.9	778.2	386.6	52.0	-55.2

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1361	783.7	477.2			484.6	917.4	465.3			442.6	923.5	506.9			444.9	779.3	388.3		
1362	785.0	479.0			484.5	919.4	468.1			442.4	925.5	509.5			444.8	780.4	389.7		
1363	786.1	480.6			484.2	921.3	470.9			441.9	927.1	512.2			446.1	781.4	391.3		
1364	787.3	482.2			483.7	923.1	473.8	44.2	-46.8	441.7	928.7	514.9			445.7	782.5	392.9		
1365	788.5	483.8			483.6	925.1	476.7			441.3	930.2	517.6			445.4	783.7	394.5		
1366	789.6	485.5			483.4	926.8	479.3			440.7	931.6	520.3			445.1	784.7	396.1		
1367	790.7	487.0			483.1	928.4	482.1			440.4	933.1	522.6			444.8	785.7	397.8		
1368	792.0	488.6	58.7	-58.1	482.9	930.1	484.9	46.5	-45.9	440.2	934.7	525.2	40.9	-47.5	444.5	786.8	399.2	56.8	-52.6
1369	792.9	490.2			482.6	931.7	487.3			439.8	936.2	527.7			444.2	787.8	400.7		
1370	794.1	491.8			482.2	933.3	490.1			439.6	937.5	530.1			443.8	788.9	402.1		
1371	795.2	493.3			482.0	935.0	492.8			439.1	938.8	532.6			443.5	789.9	403.7		
1372	796.1	494.8			481.7	936.6	495.3	48.6	-44.7	438.8	940.1	535.1			443.1	790.8	405.3		
1373	797.1	496.3			481.5	938.0	497.9			438.4	941.4	537.4			442.9	791.7	406.7		
1374	798.1	497.9			481.3	939.6	500.4			438.1	942.8	539.7			442.4	792.7	408.3		
1375	799.1	499.3			480.9	940.9	502.9			437.7	944.0	542.2			442.5	793.6	409.7		
1376	800.0	500.7	64.4	-55.0	480.9	942.5	505.5	50.9	-43.6	437.4	945.1	544.4	44.1	-45.1	442.1	794.5	411.2	61.5	-49.8
1377	800.9	502.0			480.6	943.8	508.0			437.0	946.1	546.7			442.0	795.5	412.7		
1378	802.0	503.5			480.2	944.9	510.5			436.6	947.2	549.1			441.6	796.3	414.1		
1379	802.7	504.9			479.9	946.1	512.8			436.2	948.2	551.3			441.4	797.2	415.6		
1380	803.6	506.3			479.9	947.3	515.2	53.3	-42.3	436.0	949.0	553.6			441.1	798.1	416.9		
1381	804.6	507.6			479.8	948.4	517.6			435.6	950.0	555.7			441.0	798.8	418.5		
1382	805.4	509.0			479.5	949.5	520.1			435.4	951.0	557.9			440.7	799.7	420.0		
1383	806.3	510.3			479.3	950.8	522.4			434.9	951.8	560.0			440.5	800.5	421.3		
1384	807.0	511.8	70.1	-52.0	479.1	951.9	524.7	55.7	-41.2	434.7	952.6	562.1	49.1	-42.6	440.3	801.4	422.7	66.6	-47.0
1385	807.8	513.3			478.8	952.9	527.0			434.5	953.2	564.1			439.9	802.2	424.2		
1386	808.6	514.6			478.6	953.8	529.2			434.2	953.9	566.3			439.7	803.0	425.5		
1387	809.3	515.8			478.4	954.6	531.5			433.8	954.6	568.2			439.3	803.7	426.9		
1388	810.1	517.2			478.1	955.5	533.7	57.9	-39.9	433.5	955.3	570.3			439.2	804.5	428.3		
1389	810.8	518.5			478.1	956.4	536.0			433.3	956.1	572.3			439.0	805.3	429.6		
1390	811.4	519.8			478.0	957.3	538.2			432.9	956.7	574.2			438.7	805.9	430.9		
1391	812.1	521.1			477.8	958.1	540.3			432.6	957.2	576.2			438.4	806.6	432.3		
1392	812.8	522.4	75.6	-48.8	477.7	958.8	542.5	60.6	-38.8	432.4	957.9	578.0	55.2	-39.9	438.3	807.3	433.7	71.9	-44.2
1393	813.5	523.6			477.4	959.4	544.7			432.2	958.2	580.0			438.1	807.8	434.9		
1394	814.2	525.0			477.2	959.9	546.7			431.9	958.7	581.7			437.9	808.5	436.2		
1395	814.7	526.2			477.1	960.6	548.7			431.5	959.2	583.5			437.7	809.1	437.6		
1396	815.3	527.5			477.0	961.0	550.7	63.0	-37.3	431.4	959.4	585.2			437.5	809.7	438.8		
1397	815.8	528.6			476.7	961.7	552.8			431.1	959.8	587.0			437.2	810.3	440.1		
1398	816.4	529.8			476.5	962.1	554.8			430.8	960.1	588.6			437.0	810.7	441.4		
1399	817.1	531.2			476.5	962.5	556.6			430.6	960.3	590.5			436.9	811.4	442.7		
1400	817.5	532.3	81.1	-45.8	476.5	962.7	558.6	65.7	-36.1	430.5	960.5	592.1	60.6	-37.2	436.8	811.9	444.1	77.3	-41.4
1401	818.0	533.6			476.3	963.1	560.3			430.3	960.9	593.8			436.5	812.3	445.3		
1402	818.4	534.8			476.0	963.5	562.4			430.0	961.1	595.3			436.3	812.9	446.5		
1403	818.9	535.9			475.8	963.7	564.2			429.8	961.2	597.1			436.2	813.4	447.8		
1404	819.3	537.1			475.8	963.9	565.9	68.4	-34.8	429.6	961.3	598.6			436.1	813.8	449.0		
1405	819.7	538.1			475.7	964.1	567.7			429.3	961.4	600.2			435.8	814.2	450.2		
1406	820.1	539.3			475.3	964.3	569.6			429.1	961.3	601.7			435.6	814.6	451.5		
1407	820.5	540.4			475.5	964.5	571.3			429.0	961.3	603.2			435.6	814.9	452.6		
1408	821.1	541.5	86.2	-42.6	475.1	964.7	573.0	71.2	-33.4	428.8	961.3	604.7	66.0	-34.3	435.4	815.4	453.9	82.6	-38.3
1409	821.4	542.7			475.0	964.8	574.8			428.4	961.3	606.1			435.3	815.7	455.0		
1410	821.7	543.8			474.9	964.8	576.5			428.4	961.2	607.5			435.0	816.2	456.1		
1411	822.1	544.9			474.7	965.0	578.2			428.1	960.9	609.0			434.9	816.3	457.3		
1412	822.4	545.8			474.7	965.0	579.8	73.8	-31.9	428.0	960.8	610.4			434.8	816.6	458.4		
1413	822.6	546.9			474.5	965.1	581.4			427.8	960.7	611.8			434.7	817.0	459.6		
1414	823.0	547.9			474.3	965.2	583.0			427.5	960.4	613.1			434.6	817.3	460.7		
1415	823.3	549.0			474.2	965.1	584.7			427.4	960.3	614.4			434.6	817.5	461.8		
1416	823.6	550.0	91.5	-39.3	474.2	965.0	586.1	76.5	-30.4	427.1	960.1	615.8	71.5	-31.3	434.2	817.8	463.0	87.7	-35.4
1417	823.8	551.0			474.0	964.9	587.6			426.9	959.6	616.9			434.1	818.1	464.1		
1418	824.1	551.9			474.0	964.9	589.1			426.8	959.5	618.3			434.1	818.4	465.3		
1419	824.4	553.0			473.7	964.8	590.6			426.6	959.3	619.3			434.0	818.5	466.5		
1420	824.6	554.0			473.7	964.7	592.1	79.5	-28.9	426.3	959.1	620.7			433.9	818.8	467.5		
1421	824.8	554.9			473.7	964.6	593.6			426.3	958.6	621.9			433.6	819.0	468.5		
1422	824.9	555.8			473.5	964.4	595.0			425.9	958.4	623.0			433.5	819.2	469.6		
1423	825.1	556.8			473.4	964.2	596.4			425.9	958.1	624.1			433.3	819.3	470.6		
1424	825.5	557.9	96.6	-35.8	473.1	963.9	597.7	82.3	-27.6	425.6	957.8	625.1	77.2	-28.3	433.3	819.7	471.6	92.7	-32.4
1425	825.7	558.7			473.0	963.5	599.1			425.4	957.5	626.3			433.2	819.8	472.8		
1426	825.7	559.7			472.9	963.4	600.5			425.3	957.0	627.3			433.2	820.0	473.7		
1427	825.9	560.6			472.9	963.0	601.8			425.2	956.6	628.4			432.8	820.2	474.8		
1428	825.9	561.4			472.9	962.7	602.9	85.1	-26.0	424.9	956.3	629.3			433.0	820.1	475.8		
1429	826.1	562.3			472.7	962.4	604.3			424.8	956.0	630.3			432.8	820.4	476.8		
1430	826.1	563.2			472.7	962.1	605.5			424.6	955.5	631.4			432.7	820.5	477.8		
1431	826.2	564.1			472.6	961.5	606.8			424.5	955.2	632.3			432.6	820.6	478.8		
1432	826.4	565.0	102.0	-32.4	472.6	961.2	608.0	88.0	-24.4	424.4	954.7	633.4	82.9	-25.0	432.6	820.6	479.8	97.8	-29.3
1433	826.4	565.6			472.3	960.8	609.2			424.1	954.2	634.3			432.4	820.8	480.6		
1434	826.5	566.6			472.3	960.2	610.5			424.0	953.7	635.1			432.4	820.8	481.7		
1435	826.4	567.5			472.1	959.8	611.5			423.9	953.2	636.0			432.3	820.7	482.6		
1436	826.5	568.2			472.1	959.4	612.7	90.9	-22.9	423.7	952.5	636.9			432.3	820.9	483.5		
1437	826.5	569.0			472.0	958.9	613.7			423.4	952.0	637.7			432.1	820.9	484.4		
1438	826.5	569.7			472.0	958.5	614.8			423.3	951.6	638.6			432.0	820.8	485.3		
1439	826.4	570.7			471.9	957.9	615.9			423.2	951.1	639.5			431.9	820.8	486.3		
1440	826.5	571.5	107.4	-29.1	471.9	957.2	617.0	94.0	-21.3	423.2	950.3	640.3	88.5	-21.9	431.8	820.9	487.2	103.2	-26.2
1441	826.4	572.2			471.7	956.6	618.0			422.9	949.6	641.1			431.8	820.7	488.3		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1442	826.4	572.9			471.7	956.1	619.0			422.9	949.1	641.9			431.7	820.7	489.2		
1443	826.3	573.7			471.7	955.4	620.0			422.7	948.4	642.7			431.7	820.7	489.9		
1444	826.2	574.5			471.4	954.8	621.0	97.2	-19.7	422.4	947.8	643.3			431.6	820.7	490.8		
1445	826.1	575.1			471.4	954.1	621.9			422.4	947.2	644.1			431.5	820.6	491.7		
1446	826.0	575.8			471.4	953.5	622.8			422.3	946.3	644.9			431.5	820.6	492.5		
1447	826.1	576.6			471.2	952.9	623.9			421.9	945.7	645.6			431.3	820.6	493.3		
1448	826.0	577.2	113.0	-25.6	471.2	952.2	624.7	100.5	-17.9	421.9	945.0	646.1	94.5	-18.4	431.2	820.4	494.2	108.8	-23.0
1449	825.7	577.9			471.2	951.5	625.7			421.7	944.3	646.9			431.2	820.4	495.0		
1450	825.5	578.6			471.1	950.7	626.4			421.7	943.6	647.5			431.1	820.2	495.8		
1451	825.5	579.2			471.1	950.0	627.3			421.6	942.7	648.2			431.1	820.2	496.7		
1452	825.4	580.0			471.0	949.2	628.1	103.7	-16.2	421.5	942.0	648.8			431.1	820.0	497.5		
1453	825.2	580.6			471.0	948.5	628.9			421.3	941.3	649.5			431.0	820.0	498.2		
1454	824.9	581.2			470.8	947.9	629.6			421.2	940.7	650.1			431.0	819.6	499.1		
1455	824.9	581.8			470.7	947.0	630.6			421.0	939.8	650.6			430.9	819.6	499.9		
1456	824.7	582.6	118.4	-22.1	470.8	946.2	631.2	107.1	-14.4	421.0	939.1	651.1	101.0	-15.0	430.9	819.5	500.6	114.3	-19.7
1457	824.5	583.0			470.6	945.6	632.0			420.9	938.2	651.7			430.8	819.4	501.3		
1458	824.4	583.7			470.6	944.6	632.7			420.6	937.4	652.2			430.8	819.2	502.0		
1459	824.0	584.3			470.7	943.7	633.4			420.5	936.7	652.9			430.6	819.0	502.8		
1460	823.8	584.8			470.6	942.8	634.1	110.1	-12.7	420.5	935.7	653.3			430.6	818.9	503.5		
1461	823.5	585.5			470.6	942.0	634.8			420.3	934.8	653.9			430.6	818.7	504.3		
1462	823.4	585.9			470.5	941.0	635.5			420.3	934.1	654.3			430.6	818.5	505.0		
1463	823.1	586.6			470.5	940.2	636.2			420.2	933.1	654.8			430.6	818.4	505.8		
1464	822.9	587.2	124.1	-18.7	470.4	939.2	636.9	113.6	-10.9	420.2	932.2	655.2	107.4	-11.4	430.6	818.1	506.4	119.8	-16.4
1465	822.8	587.5			470.3	938.3	637.5			420.0	931.4	655.6			430.5	818.0	507.2		
1466	822.5	588.1			470.1	937.3	638.1			420.0	930.4	656.1			430.5	817.9	507.7		
1467	822.1	588.7			470.3	936.5	638.7			419.8	929.5	656.5			430.5	817.5	508.6		
1468	821.9	589.2			470.3	935.5	639.2	116.7	-9.1	419.7	928.7	656.8			430.4	817.3	509.2		
1469	821.8	589.6			470.0	934.5	639.8			419.8	927.6	657.2			430.3	817.2	509.8		
1470	821.4	590.2			470.1	933.5	640.3			419.5	926.6	657.6			430.3	816.9	510.6		
1471	821.1	590.7			470.0	932.6	640.9			419.4	925.8	657.9			430.3	816.7	511.2		
1472	820.9	591.0	129.4	-15.0	469.9	931.6	641.4	120.0	-7.3	419.4	924.7	658.3	113.9	-7.7	430.2	816.6	511.8	125.2	-13.0
1473	820.6	591.5			469.9	930.4	641.9			419.5	923.7	658.7			430.2	816.2	512.5		
1474	820.3	592.0			469.8	929.4	642.4			419.3	922.7	659.0			430.2	815.8	513.2		
1475	820.0	592.6			469.9	928.4	642.8			419.3	921.7	659.2			430.2	815.7	513.8		
1476	819.6	593.0			469.8	927.4	643.3	123.2	-5.4	419.1	920.7	659.6			430.2	815.3	514.5		
1477	819.3	593.4			469.8	926.1	643.9			419.1	919.6	659.8			430.2	815.0	515.0		
1478	819.0	593.9			469.7	925.2	644.2			419.1	918.6	660.1			430.2	814.8	515.6		
1479	818.6	594.3			469.8	924.2	644.6			418.9	917.5	660.2			430.2	814.6	516.2		
1480	818.2	594.7	134.9	-11.3	469.7	923.1	645.1	126.6	-3.5	418.8	916.3	660.5	120.2	-4.2	430.1	814.2	516.9	130.5	-9.5
1481	817.9	595.0			469.6	922.0	645.4			418.9	915.4	660.7			430.2	813.9	517.4		
1482	817.5	595.5			469.6	920.8	645.8			418.8	914.1	660.9			430.1	813.6	518.1		
1483	817.2	595.9			469.6	919.8	646.2			418.8	913.3	661.1			430.3	813.3	518.4		
1484	816.7	596.3			469.6	918.7	646.5	129.8	-1.5	418.7	911.8	661.3			430.2	812.9	519.1		
1485	816.3	596.8			469.6	917.5	646.8			418.7	910.7	661.5			430.1	812.5	519.8		
1486	815.9	597.0			469.5	916.4	647.1			418.6	909.7	661.7			430.1	812.4	520.3		
1487	815.5	597.3			469.3	915.4	647.4			418.6	908.5	661.9			430.1	812.0	520.7		
1488	815.1	597.8	140.2	-7.6	469.5	914.1	647.7	132.9	0.3	418.5	907.3	662.1	126.4	-0.3	430.1	811.6	521.3	135.9	-6.0
1489	814.7	598.1			469.5	913.0	648.0			418.5	906.0	662.1			430.1	811.2	521.9		
1490	814.3	598.5			469.3	911.9	648.3			418.5	904.9	662.4			430.1	810.8	522.5		
1491	813.8	598.8			469.3	910.6	648.6			418.3	903.7	662.4			430.1	810.4	523.1		
1492	813.4	599.1			469.3	909.3	648.9	136.1	2.3	418.3	902.5	662.4			430.1	809.9	523.3		
1493	812.9	599.5			469.2	908.1	648.9			418.3	901.4	662.6			430.1	809.7	523.9		
1494	812.4	599.8			469.3	906.9	649.2			418.3	900.0	662.6			430.2	809.2	524.5		
1495	811.9	600.0			469.2	905.7	649.5			418.1	898.7	662.7			430.1	808.8	525.0		
1496	811.4	600.3	145.5	-3.8	469.1	904.5	649.7	139.3	4.1	418.2	897.4	662.7	132.6	3.3	430.1	808.4	525.5	141.2	-2.4
1497	811.0	600.6			469.2	903.1	649.8			418.2	896.1	662.7			430.1	808.0	526.0		
1498	810.5	601.0			469.1	901.9	650.1			418.2	894.8	662.8			430.2	807.6	526.4		
1499	809.7	601.2			469.1	900.6	650.3			418.1	893.6	662.8			430.2	807.1	526.9		
1500	809.4	601.6			469.0	899.5	650.4	142.3	5.9	418.2	892.3	662.8			430.2	806.6	527.4		
1501	808.7	601.8			469.0	898.0	650.5			418.1	891.0	662.7			430.2	806.0	527.9		
1502	808.2	602.0			468.9	896.9	650.7			418.1	889.6	662.8			430.3	805.7	528.4		
1503	807.6	602.5			468.9	895.6	650.8			418.1	888.4	662.8			430.3	805.1	528.9		
1504	807.2	602.6	150.5	0.1	468.8	894.3	650.9	145.4	7.5	418.2	887.0	662.8	138.4	6.8	430.3	804.5	529.3	146.1	1.2
1505	806.6	602.8			468.8	892.9	650.9			418.2	885.6	662.6			430.3	804.0	529.6		
1506	806.0	602.9			468.8	891.6	651.1			418.0	884.4	662.5			430.4	803.5	530.0		
1507	805.4	603.3			468.7	890.3	651.1			418.1	883.0	662.4			430.3	802.9	530.5		
1508	804.8	603.3			468.7	888.9	651.2	148.5	9.2	418.1	881.7	662.5			430.2	802.4	531.0		
1509	804.2	603.7			468.7	887.8	651.2			418.1	880.3	662.3			430.5	801.8	531.4		
1510	803.5	603.9			468.5	886.5	651.2			418.2	879.0	662.2			430.4	801.3	531.7		
1511	802.8	604.0			468.7	885.2	651.3			418.0	877.6	662.1			430.4	800.5	532.2		
1512	802.3	604.3	155.6	3.9	468.5	883.6	651.2	151.4	10.7	418.1	876.2	662.0	144.5	9.7	430.5	800.0	532.6	151.1	4.5
1513	801.6	604.5			468.7	882.3	651.3			418.0	875.0	661.9			430.5	799.3	532.9		
1514	801.0	604.6			468.7	880.9	651.3			418.0	873.4	661.8			430.5	798.8	533.3		
1515	800.3	604.8			468.4	879.4	651.2			418.1	872.0	661.5			430.7	798.1	533.7		
1516	799.4	605.0			468.5	878.0	651.1	154.3	12.2	418.1	870.5	661.3			430.7	797.4	534.1		
1517	798.7	605.2			468.5	876.6	651.1			418.1	869.1	661.3			430.7	796.7	534.5		
1518	798.0	605.3			468.5	875.2	651.1			418.1	867.8	661.2			430.7	796.1	534.8		
1519	797.3	605.3			468.4	873.7	651.1			418.2	866.3	660.9			430.8	795.3	535.0		
1520	796.4	605.6	160.5	7.5	468.5	872.3	651.0	157.3	13.6	418.1	864.9	660.8	150.1	12.4	430.8	794.6	535.3	155.9	7.4
1521	795.7	605.8			468.5	870.9	650.9			418.0	863.4	660.6			430.8	793.9	535.9		
1522	795.0	605.8			468.7	869.5	650.9			418.1	862.1	660.5			430.8	793.1	536.1		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1523	794.2	606.0			468.4	868.1	650.7			418.1	860.5	660.1			430.9	792.3	536.5		
1524	793.3	606.1			468.5	866.7	650.7	160.1	14.7	418.1	858.9	659.9			430.7	791.7	536.9		
1525	792.6	606.2			468.4	865.3	650.6			418.0	857.6	659.6			430.9	790.8	537.1		
1526	791.7	606.3			468.7	863.8	650.5			418.1	856.3	659.4			430.9	790.0	537.4		
1527	790.9	606.4			468.5	862.3	650.2			418.1	854.7	659.2			431.0	789.1	537.7		
1528	790.0	606.4	165.3	10.9	468.6	860.9	650.2	163.0	15.9	418.2	853.2	658.7	155.7	14.6	430.9	788.3	537.9	160.8	10.1
1529	789.2	606.4			468.6	859.3	650.1			418.2	851.7	658.7			431.0	787.5	538.4		
1530	788.3	606.5			468.6	857.8	649.9			418.1	850.2	658.4			431.0	786.5	538.6		
1531	787.4	606.6			468.5	856.3	649.8			418.1	848.5	658.1			431.0	785.7	538.8		
1532	786.4	606.5			468.8	854.8	649.6	165.8	16.9	418.3	847.0	657.8			431.1	784.7	539.1		
1533	785.5	606.7			468.8	853.3	649.4			418.3	845.6	657.6			431.2	783.7	539.4		
1534	784.6	606.7			468.6	851.6	649.1			418.3	844.0	657.2			431.2	782.9	539.5		
1535	783.5	606.7			468.8	850.1	648.9			418.3	842.4	657.0			431.2	781.9	539.9		
1536	782.6	606.8	169.9	13.8	468.8	848.6	648.8	168.5	17.9	418.3	840.9	656.7	161.1	16.6	431.2	780.9	540.2	165.4	12.5
1537	781.5	606.8			468.8	847.0	648.5			418.5	839.4	656.3			431.3	779.9	540.4		
1538	780.5	606.8			468.8	845.4	648.3			418.5	837.8	656.1			431.3	778.9	540.5		
1539	779.6	606.8			468.9	843.8	648.2			418.6	836.3	655.7			431.3	778.1	540.7		
1540	778.5	606.7			468.9	842.4	648.0	171.3	18.9	418.6	834.7	655.3			431.5	777.0	540.9		
1541	777.5	606.7			469.0	840.8	647.6			418.6	833.0	655.0			431.6	775.8	541.1		
1542	776.5	606.7			469.0	839.2	647.5			418.7	831.5	654.6			431.7	774.9	541.4		
1543	775.3	606.6			469.0	837.6	647.2			418.7	829.8	654.2			431.7	773.7	541.5		
1544	774.3	606.5	174.5	16.2	469.1	836.1	647.0	174.1	19.8	418.8	828.2	653.8	166.4	18.3	431.7	772.7	541.7	169.9	14.7
1545	773.1	606.6			469.1	834.4	646.6			418.8	826.6	653.4			431.7	771.5	541.9		
1546	772.1	606.4			469.1	832.9	646.3			418.8	824.9	653.1			431.8	770.4	542.1		
1547	770.9	606.4			469.1	831.2	646.2			418.8	823.4	652.6			431.9	769.3	542.3		
1548	769.9	606.3			469.1	829.6	645.8	176.7	20.5	418.9	821.7	652.2			431.9	768.1	542.4		
1549	768.8	606.4			469.1	828.0	645.6			418.9	820.1	651.7			431.9	766.8	542.6		
1550	767.6	606.2			469.1	826.4	645.3			419.0	818.6	651.5			432.2	765.6	542.8		
1551	766.5	606.2			469.2	824.7	645.0			419.0	817.0	651.1			432.2	764.3	542.8		
1552	765.3	606.0	179.1	18.5	469.2	823.2	644.7	179.4	21.3	419.0	815.4	650.6	171.5	19.7	432.2	763.3	543.0	174.5	16.7
1553	764.1	605.9			469.3	821.5	644.2			419.0	813.7	650.1			432.2	762.0	543.1		
1554	762.9	605.8			469.2	819.9	643.9			419.3	812.1	649.7			432.3	760.8	543.2		
1555	761.8	605.7			469.5	818.2	643.6			419.2	810.6	649.2			432.3	759.5	543.3		
1556	760.6	605.4			469.5	816.7	643.2	182.0	21.9	419.3	809.0	648.8			432.4	758.3	543.3		
1557	759.3	605.3			469.6	815.2	642.8			419.4	807.2	648.4			432.4	757.1	543.4		
1558	758.1	605.1			469.6	813.6	642.5			419.4	805.7	647.9			432.5	755.7	543.6		
1559	756.9	604.9			469.6	811.9	642.3			419.6	804.0	647.4			432.5	754.6	543.7		
1560	755.8	604.7	183.4	20.5	469.7	810.3	641.8	184.3	22.8	419.5	802.4	647.0	176.3	21.1	432.5	753.3	543.6	178.9	18.4
1561	754.4	604.6			469.7	808.5	641.4			419.6	800.9	646.4			432.6	752.0	543.7		
1562	753.2	604.4			469.8	807.1	641.0			419.7	799.3	646.0			432.6	750.8	543.7		
1563	751.9	604.1			469.8	805.3	640.7			419.6	797.7	645.5			432.8	749.5	543.7		
1564	750.6	603.9			469.7	803.7	640.3	187.0	23.4	419.7	796.1	645.0			432.8	748.2	543.8		
1565	749.4	603.6			469.9	802.1	639.8			419.7	794.3	644.5			432.8	747.0	543.8		
1566	748.2	603.5			469.8	800.6	639.4			419.9	792.7	644.0			432.9	745.7	543.8		
1567	746.9	603.3			469.9	798.9	639.0			420.0	791.2	643.5			433.0	744.3	543.9		
1568	745.7	603.0	187.7	22.3	470.0	797.3	638.6	189.4	24.0	420.0	789.6	643.0	181.1	22.4	433.0	743.0	543.7	182.9	19.9
1569	744.4	602.9			470.0	795.8	638.2			420.1	787.9	642.6			433.0	741.6	543.8		
1570	743.2	602.5			470.0	794.1	637.8			420.1	786.3	641.9			433.1	740.3	543.8		
1571	741.8	602.3			470.0	792.4	637.3			420.2	784.6	641.4			433.2	739.0	543.8		
1572	740.6	602.1			470.2	790.8	637.0	191.8	24.6	420.3	783.1	640.8			433.2	737.8	543.8		
1573	739.2	601.7			470.2	789.3	636.4			420.2	781.5	640.4			433.0	736.3	543.7		
1574	737.9	601.5			470.3	787.5	636.0			420.3	779.9	639.8			430.2	734.9	543.7		
1575	736.6	601.1			470.3	785.8	635.6			420.3	778.2	639.2			427.5	733.6	543.6		
1576	735.2	600.8	191.7	23.7	470.4	784.1	635.0	194.2	25.1	420.4	776.7	638.7	185.6	23.7	425.0	732.2	543.6	187.2	21.5
1577	733.9	600.6			470.3	782.6	634.6			420.5	775.3	638.0			416.7	730.8	543.6		
1578	732.8	600.3			470.4	781.0	634.1			420.8	773.7	637.6			412.2	729.5	543.5		
1579	731.4	599.9			470.5	779.5	633.7			420.7	771.9	637.1			407.8	728.1	543.4		
1580	730.1	599.6			470.5	777.8	633.2	196.4	25.8	420.7	770.4	636.5			404.6	726.6	543.3		
1581	728.8	599.4			470.5	776.1	632.8			420.8	768.9	635.9			398.0	725.4	543.3		
1582	727.4	598.9			470.6	774.6	632.2			420.8	767.1	635.4			393.0	724.0	543.1		
1583	726.2	598.6			470.5	772.9	631.7			421.0	765.6	634.7			389.8	722.6	543.0		
1584	724.8	598.1	195.7	25.0	470.7	771.4	631.1	198.7	26.6	421.0	763.9	634.1	190.2	24.8	386.4	721.1	542.8	191.1	22.7
1585	723.5	597.8			470.7	769.7	630.8			421.0	762.3	633.5			385.6	719.9	542.7		
1586	722.2	597.4			470.7	768.1	630.1			421.2	760.9	632.8			383.0	718.4	542.5		
1587	720.8	597.0			470.8	766.5	629.6			421.2	759.1	632.2			381.7	716.9	542.4		
1588	719.6	596.7			471.0	765.0	629.2	201.0	27.0	421.2	757.8	631.8			380.9	715.6	542.3		
1589	718.2	596.4			470.8	763.3	628.7			421.5	756.2	631.0			380.2	714.2	542.2		
1590	716.8	596.0			471.0	761.7	628.2			421.5	754.5	630.5			378.9	712.7	542.1		
1591	715.4	595.6			471.0	760.0	627.6			421.5	753.0	629.8			379.8	711.3	541.8		
1592	714.3	595.2	199.7	26.1	471.1	758.5	627.0	203.2	27.5	421.6	751.3	629.3	194.4	25.9	380.7	709.9	541.6	194.9	23.9
1593	712.8	594.8			471.1	756.9	626.5			421.7	749.9	628.6			378.8	708.6	541.5		
1594	711.5	594.3			471.2	755.4	626.1			421.7	748.2	628.0			376.6	707.0	541.3		
1595	710.2	593.8			471.2	753.7	625.5			421.8	746.8	627.2			376.3	705.6	541.1		
1596	708.8	593.4			471.2	752.3	624.9	205.2	28.0	421.8	745.1	626.8			374.9	704.2	541.0		
1597	707.4	593.2			471.2	750.5	624.4			421.9	743.6	626.1			372.7	702.8	540.8		
1598	706.1	592.7			471.2	748.9	623.9			422.1	742.1	625.4			371.4	701.2	540.6		
1599	704.6	592.3			471.3	747.4	623.3			422.1	740.5	624.8			370.1	699.9	540.4		
1600	703.4	591.8	203.3	26.9	471.4	745.8	622.7	207.4	28.7	422.1	738.9	624.1	198.4	26.9	369.8	698.4	540.2	198.7	25.3
1601	702.1	591.3			471.4	744.2	622.1			422.2	737.4	623.4			369.0	697.1	540.0		
1602	700.8	590.9			471.4	742.8	621.7			422.2	735.8	622.8			369.2	695.6	539.8		
1603	699.4	590.4			471.5	741.2	621.0			422.2	734.3	622.4			368.7	694.2	539.5		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1604	698.0	590.0			471.5	739.5	620.4	209.6	29.3	422.5	732.8	621.6			368.5	692.7	539.3		
1605	696.6	589.5			471.7	738.0	619.8			422.5	731.2	620.8			368.7	691.2	539.0		
1606	695.4	589.1			471.7	736.6	619.3			422.5	729.6	620.2			368.8	690.1	538.8		
1607	694.0	588.5			471.7	735.0	618.7			422.5	728.1	619.6			368.3	688.6	538.4		
1608	692.7	588.0	207.0	27.9	471.7	733.3	618.0	211.5	29.7	422.6	726.5	618.9	202.3	27.8	368.6	687.1	538.1	202.4	26.4
1609	691.3	587.5			471.9	731.7	617.4			422.8	725.1	618.4			368.5	685.6	537.9		
1610	690.0	587.2			471.9	730.1	616.9			422.8	723.6	617.6			368.2	684.2	537.7		
1611	688.8	586.6			472.0	728.7	616.4			422.8	722.0	617.0			367.9	683.0	537.5		
1612	687.3	586.1			472.0	727.1	615.6	213.4	30.2	422.9	720.5	616.3			368.0	681.4	537.2		
1613	685.9	585.6			471.9	725.6	615.0			423.0	718.9	615.6			368.5	679.9	536.9		
1614	684.6	585.1			472.0	724.2	614.5			423.0	717.4	614.9			368.6	678.6	536.5		
1615	683.2	584.6			472.0	722.5	614.0			423.1	715.9	614.1			368.5	677.1	536.3		
1616	681.9	584.1	210.5	29.0	472.1	721.1	613.3	215.3	30.8	423.1	714.5	613.6	206.2	28.9	369.2	675.7	535.9	205.8	27.5
1617	680.6	583.7			472.1	719.5	612.6			423.2	713.0	612.9			369.4	674.2	535.7		
1618	679.2	583.2			472.3	718.1	612.0			423.3	711.3	612.3			369.9	673.0	535.4		
1619	677.9	582.6			472.1	716.5	611.5			423.3	709.9	611.4			370.1	671.5	535.1		
1620	676.6	582.1			472.3	715.0	610.9	217.2	31.3	423.3	708.4	610.8			370.7	670.0	534.8		
1621	675.1	581.5			472.4	713.4	610.2			423.6	707.0	610.1			371.2	668.7	534.4		
1622	673.8	581.0			472.4	712.0	609.5			423.5	705.4	609.5			370.9	667.3	534.1		
1623	672.7	580.5			472.4	710.4	609.0			423.6	704.1	608.7			371.5	665.7	533.8		
1624	671.2	579.9	213.7	29.9	472.4	708.8	608.2	219.1	31.9	423.7	702.6	608.0	209.7	30.0	371.1	664.5	533.4	209.4	28.6
1625	669.8	579.4			472.5	707.5	607.8			423.7	701.0	607.4			370.9	663.1	533.1		
1626	668.5	578.9			472.5	706.0	607.1			423.7	699.5	606.7			370.1	661.7	532.8		
1627	667.2	578.3			472.4	704.5	606.4			423.8	698.1	605.9			369.6	660.3	532.5		
1628	665.8	577.7			472.6	703.1	605.7	221.0	32.3	423.8	696.6	605.2			369.2	658.9	532.1		
1629	664.4	577.2			472.7	701.6	605.2			423.8	695.2	604.6			369.2	657.5	531.7		
1630	663.1	576.6			472.6	700.1	604.5			424.0	693.8	604.0			369.6	656.1	531.4		
1631	661.9	576.1			472.7	698.7	603.8			424.0	692.2	603.2			369.4	654.7	531.1		
1632	660.5	575.4	216.9	31.1	472.7	697.3	603.2	222.6	33.0	424.3	690.8	602.5	213.2	31.1	369.2	653.3	530.6	212.6	29.8
1633	659.2	574.9			472.8	695.8	602.6			424.3	689.3	601.8			369.0	652.1	530.3		
1634	657.9	574.3			472.8	694.3	602.0			424.3	687.9	601.1			368.7	650.7	529.9		
1635	656.6	573.8			472.9	692.8	601.3			424.4	686.5	600.4			368.4	649.2	529.5		
1636	655.3	573.3			472.9	691.5	600.7	224.4	33.5	424.3	685.1	599.7			368.2	648.0	529.1		
1637	653.9	572.6			472.9	690.1	600.0			424.4	683.6	598.9			368.5	646.5	528.9		
1638	652.7	572.0			473.1	688.6	599.3			424.5	682.3	598.2			368.7	645.3	528.4		
1639	651.3	571.5			473.1	687.0	598.7			424.5	680.9	597.5			369.3	643.8	528.1		
1640	650.0	571.1	220.1	32.1	472.9	685.6	598.1	226.0	34.2	424.5	679.4	596.8	216.3	32.5	369.8	642.4	527.7	215.7	30.9
1641	648.9	570.3			473.1	684.2	597.4			424.5	677.9	596.2			370.2	641.2	527.2		
1642	647.4	569.6			473.2	682.7	596.7			424.7	676.7	595.3			370.5	639.8	526.8		
1643	646.1	569.1			473.1	681.3	596.1			424.7	675.2	594.6			370.5	638.5	526.4		
1644	645.0	568.6			473.2	679.9	595.5	227.7	34.8	424.7	673.7	593.9			370.8	637.1	526.1		
1645	643.6	568.1			473.3	678.6	594.8			424.7	672.4	593.1			370.8	635.7	525.7		
1646	642.3	567.6			473.3	677.1	594.2			425.0	671.1	592.5			370.7	634.4	525.3		
1647	641.1	566.8			473.3	675.8	593.4			425.0	669.7	591.8			370.4	632.9	524.9		
1648	639.8	566.2	223.0	33.4	473.2	674.3	592.8	229.1	35.6	425.0	668.3	590.9	219.4	33.6	370.2	631.7	524.5	218.7	32.1
1649	638.5	565.6			473.3	673.0	592.1			425.2	666.9	590.3			369.7	630.4	524.0		
1650	637.3	565.1			473.4	671.4	591.5			425.1	665.5	589.5			369.7	629.0	523.6		
1651	636.0	564.6			473.5	670.1	590.7			425.1	664.1	588.8			369.3	627.7	523.3		
1652	634.7	563.9			473.4	668.8	590.1	230.6	36.1	425.2	662.7	588.1			369.3	626.5	522.9		
1653	633.5	563.2			473.5	667.4	589.4			425.2	661.4	587.5			369.2	625.1	522.3		
1654	632.1	562.8			473.4	666.1	588.7			425.2	660.0	586.6			369.3	623.9	522.0		
1655	630.7	562.1			473.4	664.7	588.1			425.2	658.7	585.8			368.8	622.5	521.6		
1656	629.6	561.5	225.6	34.5	473.5	663.2	587.4	232.2	36.7	425.4	657.4	585.2	222.3	34.9	368.7	621.2	521.0	221.4	33.3
1657	628.4	560.9			473.4	661.9	586.6			425.5	655.9	584.4			368.6	619.9	520.6		
1658	627.2	560.3			473.3	660.5	586.0			425.5	654.6	583.6			368.4	618.6	520.2		
1659	626.0	559.8			473.5	659.1	585.4			425.5	653.2	582.8			368.5	617.3	519.8		
1660	624.7	559.0			473.5	657.8	584.7	233.7	37.5	425.8	651.9	582.2			368.3	616.0	519.3		
1661	623.5	558.5			473.5	656.6	583.9			425.7	650.7	581.4			368.3	614.7	518.8		
1662	622.2	557.9			473.5	655.2	583.4			425.5	649.3	580.8			368.3	613.5	518.4		
1663	621.1	557.2			473.5	653.8	582.7			425.7	648.0	579.9			368.2	612.0	518.0		
1664	619.8	556.7	228.5	35.8	473.6	652.5	581.9	235.1	38.2	425.8	646.7	579.3	225.1	36.3	368.3	610.9	517.4	224.1	34.6
1665	618.6	556.2			473.8	651.1	581.3			425.8	645.3	578.6			368.4	609.6	517.1		
1666	617.4	555.5			473.8	649.8	580.6			425.8	644.0	577.7			368.5	608.3	516.6		
1667	616.1	554.8			473.8	648.4	580.0			425.9	642.8	577.1			368.6	607.1	516.2		
1668	615.0	554.2			473.8	647.1	579.3	236.4	38.9	425.9	641.5	576.3			368.7	605.8	515.8		
1669	613.8	553.6			473.8	645.7	578.6			425.9	640.3	575.5			368.7	604.6	515.3		
1670	612.5	553.0			473.9	644.6	578.0			426.1	638.7	574.8			369.0	603.3	514.8		
1671	611.5	552.3			473.8	643.2	577.3			426.1	637.5	574.2			369.1	602.0	514.3		
1672	610.2	551.6	231.0	37.1	473.9	642.0	576.6	237.8	39.6	426.2	636.3	573.5	227.7	37.7	369.3	600.9	513.9	226.7	35.8
1673	608.9	551.1			474.0	640.6	575.8			426.2	635.0	572.7			369.7	599.5	513.4		
1674	607.8	550.4			473.9	639.2	575.2			426.1	633.7	571.9			369.8	598.3	513.0		
1675	606.6	549.9			473.9	638.0	574.6			426.3	632.4	571.1			369.7	597.1	512.4		
1676	605.4	549.4			474.0	636.7	573.9	239.3	40.3	426.3	631.1	570.5			369.8	595.9	511.9		
1677	604.4	548.5			474.0	635.4	573.2			426.3	629.9	569.7			369.7	594.7	511.5		
1678	603.1	547.9			474.1	634.2	572.4			426.3	628.7	569.0			369.8	593.5	511.1		
1679	601.8	547.3			474.0	632.9	571.7			426.5	627.4	568.2			369.9	592.1	510.5		
1680	600.7	546.7	233.3	38.4	474.1	631.6	571.1	240.5	41.0	426.6	626.2	567.5	230.3	39.0	369.8	591.0	510.1	229.2	37.2
1681	599.5	546.1			474.1	630.3	570.4			426.5	624.8	566.7			369.8	589.9	509.7		
1682	598.3	545.4			474.1	629.0	569.7			426.7	623.7	566.2			369.9	588.6	509.2		
1683	597.1	544.7			474.1	627.8	569.1			426.6	622.3	565.5			369.9	587.3	508.5		
1684	596.0	544.0			474.2	626.5	568.3	241.8	41.9	426.7	621.1	564.6			369.9	586.2	508.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1685	594.7	543.5			474.2	625.2	567.6			426.6	619.9	563.8			370.1	584.9	507.8		
1686	593.7	542.8			474.2	624.0	567.0			426.7	618.7	563.3			370.1	583.9	507.2		
1687	592.3	542.2			474.2	622.7	566.4			426.8	617.4	562.4			370.1	582.5	506.7		
1688	591.2	541.5	235.5	39.7	474.2	621.5	565.5	243.1	42.5	426.8	616.2	561.8	232.7	40.6	370.2	581.4	506.1	231.6	38.5
1689	590.2	540.8			474.3	620.2	565.0			426.9	614.9	560.9			370.3	580.2	505.7		
1690	588.9	540.3			474.2	619.0	564.2			426.8	613.7	560.2			370.4	579.0	505.3		
1691	587.8	539.7			474.3	617.7	563.6			426.9	612.5	559.6			370.8	577.9	504.7		
1692	586.6	539.1			474.2	616.5	563.0	244.2	43.4	427.0	611.3	558.8			370.7	576.6	504.3		
1693	585.5	538.3			474.3	615.3	562.1			427.0	610.1	558.1			370.8	575.5	503.7		
1694	584.4	537.7			474.4	614.1	561.4			427.0	608.8	557.4			371.0	574.3	503.2		
1695	583.4	537.0			474.3	612.9	560.8			427.0	607.6	556.6			371.3	573.2	502.7		
1696	582.2	536.5	237.7	41.1	474.4	611.7	560.0	245.4	44.1	427.0	606.6	556.0	234.8	42.1	371.3	572.1	502.3	233.8	40.1
1697	581.1	535.8			474.3	610.4	559.4			427.1	605.3	555.3			371.3	570.8	501.8		
1698	580.0	535.1			474.5	609.0	558.9			427.3	604.1	554.5			371.3	569.8	501.3		
1699	578.8	534.5			474.4	607.9	558.1			427.3	602.9	553.8			371.3	568.5	500.8		
1700	577.8	533.8			474.5	606.8	557.4	246.3	44.9	427.3	601.8	553.2			371.6	567.5	500.2		
1701	576.7	533.2			474.5	605.6	556.6			427.3	600.6	552.5			371.6	566.3	499.9		
1702	575.6	532.5			474.5	604.4	556.0			427.4	599.5	551.6			371.8	565.2	499.3		
1703	574.6	531.9			474.5	603.2	555.4			427.3	598.4	550.9			371.8	564.1	498.8		
1704	573.4	531.3	239.9	42.6	474.6	602.0	554.7	247.6	45.7	427.4	597.0	550.1	236.9	43.6	371.7	563.0	498.3	235.9	41.4
1705	572.1	530.7			474.6	600.8	553.9			427.4	595.9	549.6			371.7	561.8	497.8		
1706	571.2	530.0			474.5	599.6	553.4			427.5	594.7	548.8			371.8	560.6	497.4		
1707	570.2	529.4			474.5	598.5	552.7			427.6	593.5	548.0			371.8	559.5	496.8		
1708	569.1	528.6			474.6	597.3	551.9	248.5	46.6	427.5	592.5	547.4			371.8	558.6	496.3		
1709	568.0	528.0			474.6	596.1	551.2			427.5	591.3	546.7			371.8	557.4	495.8		
1710	566.9	527.5			474.6	594.9	550.6			427.6	590.2	545.9			371.8	556.2	495.2		
1711	565.7	526.7			474.6	593.8	549.9			427.6	589.0	545.1			371.9	555.1	494.8		
1712	564.9	526.1	241.6	44.1	474.6	592.6	549.2	249.6	47.3	427.7	587.9	544.5	238.9	45.2	371.9	554.1	494.2	237.7	42.9
1713	563.7	525.4			474.7	591.5	548.5			427.7	586.7	543.7			372.0	553.0	493.7		
1714	562.6	524.8			474.6	590.1	547.8			427.8	585.5	543.1			372.0	551.9	493.3		
1715	561.6	524.3			474.7	589.2	547.1			427.7	584.4	542.3			372.0	550.8	492.7		
1716	560.5	523.6			474.7	588.0	546.5	250.5	48.3	427.8	583.3	541.6			372.0	549.7	492.2		
1717	559.5	522.9			474.7	586.9	545.7			427.8	582.2	540.9			372.0	548.7	491.7		
1718	558.4	522.3			474.6	585.7	545.2			427.9	581.0	540.1			372.2	547.4	491.2		
1719	557.5	521.6			474.7	584.6	544.3			427.8	580.0	539.6			372.2	546.6	490.6		
1720	556.3	521.0	243.5	45.7	474.7	583.5	543.7	251.4	49.1	427.9	578.8	538.7	240.8	46.8	372.0	545.3	490.2	239.6	44.2
1721	555.4	520.3			474.9	582.4	543.0			427.8	577.8	538.1			372.2	544.3	489.6		
1722	554.3	519.7			474.6	581.2	542.3			427.9	576.6	537.2			372.2	543.3	489.1		
1723	553.3	519.0			474.9	580.1	541.6			427.9	575.7	536.5			372.2	542.3	488.6		
1724	552.2	518.4			474.7	579.0	541.0	252.4	49.9	427.9	574.4	535.8			372.3	541.0	488.1		
1725	551.2	517.8			474.9	577.9	540.2			427.9	573.4	535.2			372.4	540.2	487.6		
1726	550.2	517.1			474.9	576.8	539.5			428.2	572.3	534.5			372.4	539.1	487.0		
1727	549.1	516.4			474.9	575.7	538.9			428.0	571.1	533.8			372.3	537.9	486.5		
1728	548.3	515.7	245.1	47.1	474.9	574.6	538.1	253.4	50.7	428.1	570.1	533.0	242.5	48.3	372.4	537.0	486.0	241.4	45.8
1729	547.2	515.2			475.0	573.5	537.5			428.2	569.1	532.4			372.5	535.9	485.5		
1730	546.2	514.6			475.0	572.4	536.9			428.2	567.9	531.7			372.3	534.8	485.0		
1731	545.2	513.8			474.9	571.3	536.1			428.2	566.9	531.0			372.5	534.0	484.4		
1732	544.2	513.3			474.9	570.1	535.5	254.1	51.6	428.3	565.7	530.2			372.5	532.8	483.9		
1733	543.2	512.6			474.9	569.2	534.8			428.3	564.8	529.5			372.5	531.8	483.3		
1734	542.1	511.8			475.0	568.0	534.1			428.3	563.8	528.9			372.6	530.8	482.8		
1735	541.1	511.3			475.0	567.0	533.4			428.3	562.7	528.1			372.6	529.8	482.4		
1736	540.2	510.8	246.6	48.7	474.9	565.8	532.8	255.1	52.3	428.3	561.6	527.5	244.1	50.0	372.8	528.8	482.0	242.9	47.4
1737	539.2	510.1			475.0	564.7	532.0			428.3	560.6	526.8			372.6	527.8	481.3		
1738	538.1	509.3			474.9	563.7	531.3			428.4	559.7	526.1			372.9	526.7	480.9		
1739	537.3	508.7			475.0	562.6	530.8			428.4	558.5	525.4			372.8	525.8	480.3		
1740	536.4	508.1			475.0	561.7	530.0	255.8	53.2	428.4	557.5	524.7			372.8	524.8	479.8		
1741	535.3	507.5			475.0	560.6	529.4			428.4	556.3	524.0			372.9	523.8	479.3		
1742	534.4	506.9			475.1	559.6	528.7			428.4	555.2	523.3			373.0	522.9	478.8		
1743	533.4	506.2			475.1	558.5	528.0			428.5	554.3	522.7			373.0	521.8	478.2		
1744	532.4	505.5	248.1	50.2	475.0	557.5	527.4	256.5	54.1	428.5	553.2	522.0	245.5	51.7	373.0	520.9	477.6	244.5	48.9
1745	531.4	504.9			475.0	556.4	526.7			428.4	552.2	521.2			373.0	519.8	477.2		
1746	530.5	504.3			475.0	555.3	526.1			428.5	551.2	520.5			373.1	518.8	476.8		
1747	529.6	503.8			475.1	554.2	525.5			428.5	550.1	519.8			373.2	517.8	476.2		
1748	528.6	503.0			475.1	553.4	524.7	257.2	55.0	428.7	549.2	519.2			373.2	517.0	475.6		
1749	527.6	502.5			475.1	552.3	524.0			428.7	548.1	518.5			373.2	515.9	475.2		
1750	526.7	501.8			475.2	551.3	523.4			428.7	547.2	517.8			373.2	515.0	474.6		
1751	525.7	501.1			475.1	550.1	522.8			428.7	546.1	517.1			373.3	514.1	474.1		
1752	524.8	500.6	249.3	51.7	475.1	549.3	522.1	258.1	55.8	428.7	545.1	516.4	246.9	53.3	373.3	513.1	473.7	245.9	50.4
1753	524.0	499.9			475.1	548.2	521.4			428.7	544.1	515.7			373.3	512.2	473.1		
1754	523.0	499.3			475.1	547.2	520.8			428.7	543.2	515.0			373.3	511.2	472.7		
1755	522.0	498.6			475.1	546.1	520.0			428.7	542.1	514.4			373.3	510.3	472.0		
1756	521.1	498.1			475.2	545.1	519.4	258.7	56.5	428.9	541.2	513.7			373.5	509.3	471.5		
1757	520.2	497.4			475.2	544.2	518.7			428.9	540.0	513.0			373.5	508.5	471.0		
1758	519.2	496.8			475.2	543.2	518.0			428.8	539.2	512.3			373.6	507.5	470.5		
1759	518.5	496.1			475.2	542.2	517.4			428.9	538.1	511.6			373.5	506.5	470.0		
1760	517.5	495.6	250.7	53.3	475.2	541.2	516.8	259.5	57.5	428.9	537.2	511.1	248.1	54.9	373.6	505.6	469.5	247.1	51.9
1761	516.6	494.8			475.2	540.1	516.0			428.9	536.2	510.2			373.5	504.7	468.9		
1762	515.5	494.3			475.1	539.2	515.4			428.9	535.3	509.6			373.6	503.7	468.4		
1763	514.7	493.6			475.2	538.3	514.8			428.9	534.2	508.9			373.7	502.9	467.9		
1764	513.7	493.1			475.1	537.3	514.0	260.0	58.3	428.9	533.3	508.2			373.6	502.0	467.4		
1765	512.9	492.5			475.1	536.2	513.4			428.9	532.4	507.6			373.6	500.9	466.8		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1766	512.0	491.8			475.1	535.3	512.8			428.8	531.6	506.9			373.6	500.1	466.5		
1767	511.2	491.2			475.2	534.3	512.1			428.9	530.4	506.2			373.7	499.3	465.8		
1768	510.3	490.5	251.9	54.9	475.2	533.5	511.4	260.6	59.1	429.0	529.5	505.5	249.4	56.7	373.6	498.4	465.3	248.4	53.3
1769	509.3	489.9			475.2	532.3	510.7			429.0	528.6	504.8			373.6	497.4	464.7		
1770	508.5	489.4			475.2	531.5	510.2			428.9	527.6	504.2			373.7	496.5	464.4		
1771	507.5	488.8			475.4	530.5	509.5			428.9	526.7	503.6			373.7	495.5	463.8		
1772	506.7	488.0			475.1	529.6	508.8	261.3	60.0	428.9	525.7	502.9			373.8	494.7	463.3		
1773	505.8	487.5			475.4	528.6	508.1			428.9	524.8	502.2			373.6	493.9	462.8		
1774	504.9	486.8			475.2	527.7	507.4			429.0	523.8	501.5			373.7	492.9	462.2		
1775	504.1	486.4			475.4	526.6	506.9			428.9	523.0	500.8			373.7	492.2	461.8		
1776	503.3	485.7	252.8	56.5	475.4	525.7	506.2	261.8	60.9	429.1	522.0	500.3	250.5	58.2	373.8	491.3	461.3	249.5	54.9
1777	502.4	485.0			475.4	524.9	505.5			429.1	521.1	499.6			373.8	490.4	460.7		
1778	501.5	484.5			475.4	524.0	504.9			429.0	520.1	498.9			373.8	489.5	460.2		
1779	500.7	483.8			475.4	523.0	504.3			429.0	519.3	498.3			373.7	488.7	459.7		
1780	499.9	483.3			475.4	522.1	503.5	262.4	61.8	429.1	518.3	497.7			373.8	487.7	459.2		
1781	499.1	482.7			475.4	521.2	502.9			429.1	517.5	497.0			373.9	486.9	458.7		
1782	498.2	482.0			475.4	520.2	502.4			429.2	516.6	496.3			373.9	486.1	458.2		
1783	497.4	481.4			475.4	519.5	501.7			429.2	515.5	495.7			373.9	485.3	457.8		
1784	496.5	480.7	253.8	58.1	475.4	518.4	501.0	262.9	62.6	429.3	514.8	495.0	251.4	59.9	374.1	484.3	457.2	250.5	56.5
1785	495.7	480.3			475.4	517.5	500.4			429.3	513.8	494.4			374.1	483.6	456.7		
1786	494.7	479.6			475.4	516.6	499.8			429.3	513.0	493.7			374.1	482.7	456.2		
1787	493.9	479.0			475.4	515.7	499.1			429.3	512.0	493.1			374.2	481.8	455.7		
1788	493.2	478.5			475.4	514.8	498.5	263.3	63.5	429.3	511.2	492.4			374.2	481.0	455.2		
1789	492.3	477.9			475.4	513.9	497.8			429.3	510.3	491.8			374.2	480.2	454.5		
1790	491.5	477.2			475.4	512.9	497.2			429.3	509.3	491.2			374.2	479.3	454.0		
1791	490.7	476.6			475.4	512.0	496.6			429.4	508.6	490.6			374.4	478.5	453.5		
1792	489.9	476.0	254.6	59.7	475.5	511.2	495.9	263.9	64.4	429.3	507.6	489.9	252.4	61.6	374.4	477.7	453.2	251.4	58.0
1793	489.0	475.5			475.2	510.3	495.3			429.3	506.8	489.1			374.3	476.8	452.7		
1794	488.2	474.7			475.3	509.3	494.7			429.5	505.9	488.5			374.4	475.9	452.1		
1795	487.4	474.2			475.4	508.6	494.0			429.4	504.9	487.9			374.4	475.2	451.6		
1796	486.7	473.6			475.4	507.7	493.5	264.4	65.3	429.4	504.2	487.4			374.4	474.5	451.2		
1797	485.7	473.0			475.4	506.7	492.8			429.5	503.4	486.7			374.4	473.6	450.6		
1798	484.9	472.4			475.4	505.8	492.1			429.5	502.4	486.1			374.7	472.8	450.1		
1799	484.1	472.0			475.4	505.0	491.6			429.5	501.6	485.4			374.5	471.9	449.7		
1800	483.4	471.2	255.5	61.3	475.3	504.1	491.0	264.8	66.0	429.5	500.7	484.7	253.2	63.4	374.4	471.2	449.2	252.3	59.5
1801	482.6	470.6			475.5	503.2	490.3			429.6	499.8	484.2			374.7	470.3	448.6		
1802	481.8	470.2			475.4	502.5	489.7			429.4	499.1	483.6			374.5	469.6	448.1		
1803	480.9	469.4			475.3	501.5	489.0			429.6	498.2	482.9			374.7	468.8	447.6		
1804	480.2	469.0			475.4	500.6	488.5	265.3	67.0	429.6	497.3	482.2			374.7	468.0	447.2		
1805	479.5	468.4			475.4	499.8	487.8			429.5	496.5	481.7			374.7	467.3	446.7		
1806	478.7	467.8			475.4	499.0	487.3			429.7	495.7	481.0			374.8	466.5	446.1		
1807	478.0	467.1			475.4	498.2	486.6			429.6	494.9	480.4			374.9	465.7	445.6		
1808	477.1	466.6	256.3	62.8	475.4	497.2	485.9	265.7	67.9	429.6	494.1	479.8	254.0	64.9	374.9	464.9	445.1	253.0	61.1
1809	476.3	466.0			475.4	496.6	485.4			429.6	493.3	479.1			375.0	464.1	444.7		
1810	475.5	465.4			475.3	495.5	484.7			429.7	492.4	478.5			375.0	463.2	444.2		
1811	474.9	465.0			475.4	494.9	484.0			429.5	491.5	477.9			374.9	462.5	443.7		
1812	473.9	464.4			475.4	494.0	483.4	265.9	68.7	429.6	490.8	477.2			375.1	461.8	443.2		
1813	473.2	463.7			475.4	493.1	482.9			429.6	489.9	476.7			375.0	460.9	442.7		
1814	472.6	463.2			475.4	492.2	482.2			429.6	489.2	476.0			375.1	460.2	442.2		
1815	471.8	462.7			475.4	491.4	481.7			429.6	488.4	475.5			375.2	459.6	441.7		
1816	471.0	462.0	256.8	64.4	475.4	490.6	481.1	266.4	69.4	429.6	487.4	474.8	254.6	66.6	375.4	458.7	441.2	253.6	62.5
1817	470.3	461.4			475.5	489.8	480.5			429.6	486.7	474.2			375.4	458.0	440.7		
1818	469.6	460.8			475.5	489.1	479.9			429.6	485.8	473.7			375.5	457.2	440.2		
1819	468.8	460.4			475.4	488.1	479.3			429.6	485.0	473.1			375.4	456.5	439.7		
1820	468.1	459.8			475.4	487.4	478.6	266.7	70.3	429.7	484.2	472.4			375.5	455.9	439.3		
1821	467.4	459.2			475.5	486.6	478.0			429.7	483.4	471.8			375.5	455.0	438.8		
1822	466.6	458.6			475.5	485.8	477.5			429.8	482.7	471.2			375.7	454.2	438.3		
1823	465.9	457.9			475.4	484.9	476.8			429.8	481.9	470.6			375.6	453.4	437.8		
1824	465.0	457.5	257.4	66.0	475.3	484.0	476.2	267.1	71.0	429.7	481.1	469.9	255.2	68.1	375.6	452.7	437.3	254.2	64.1
1825	464.3	457.0			475.4	483.4	475.7			429.7	480.4	469.5			375.7	452.1	436.9		
1826	463.6	456.4			475.4	482.6	475.0			429.7	479.5	468.8			375.8	451.3	436.4		
1827	462.9	455.9			475.4	481.7	474.5			429.7	478.6	468.2			375.9	450.5	435.9		
1828	462.1	455.1			475.3	480.9	473.9	267.5	71.9	429.8	477.9	467.5			375.9	449.8	435.3		
1829	461.5	454.6			475.4	480.1	473.2			429.7	477.2	467.0			376.1	449.1	434.8		
1830	460.7	454.1			475.5	479.4	472.6			429.6	476.4	466.5			376.2	448.4	434.4		
1831	460.1	453.6			475.3	478.6	472.0			429.8	475.6	465.8			376.3	447.5	434.0		
1832	459.3	453.0	257.8	67.6	475.4	477.7	471.4	267.6	72.7	429.8	474.8	465.3	255.7	69.8	376.6	447.0	433.5	254.8	65.5
1833	458.5	452.4			475.3	476.9	470.8			429.8	474.0	464.7			376.7	446.2	432.9		
1834	457.9	451.9			475.4	476.3	470.3			429.7	473.2	464.1			376.9	445.6	432.5		
1835	457.2	451.3			475.4	475.5	469.7			429.8	472.4	463.5			377.1	444.8	432.0		
1836	456.4	450.8			475.4	474.6	469.0	267.9	73.5	429.7	471.8	462.9			377.3	444.0	431.5		
1837	455.9	450.4			475.4	474.0	468.5			429.7	471.0	462.2			377.6	443.4	431.1		
1838	455.1	449.8			475.4	473.1	468.0			429.6	470.2	461.7			377.6	442.7	430.6		
1839	454.3	449.2			475.3	472.4	467.3			429.8	469.5	461.2			377.9	441.9	430.2		
1840	453.6	448.6	258.2	69.1	475.3	471.6	466.8	268.1	74.3	429.8	468.7	460.7	256.2	71.3	378.0	441.3	429.6	255.3	67.0
1841	453.0	448.1			475.3	470.9	466.1			429.7	468.1	460.1			378.1	440.6	429.2		
1842	452.2	447.5			475.4	470.1	465.6			429.7	467.1	459.3			378.3	439.9	428.7		
1843	451.5	447.1			475.3	469.2	465.0			429.8	466.5	458.8			378.4	439.1	428.1		
1844	451.0	446.5			475.3	468.6	464.4	268.4	75.2	429.7	465.8	458.3			378.6	438.4	427.6		
1845	450.2	445.9			475.4	467.7	463.9			429.8	465.0	457.7			378.7	437.7	427.3		
1846	449.6	445.4			475.3	467.0	463.4			429.7	464.2	457.2			378.9	437.2	427.0		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1847	448.8	444.8			475.4	466.2	462.7			429.8	463.6	456.4			379.1	436.5	426.4		
1848	448.1	444.4	258.6	70.7	475.3	465.5	462.1	268.6	76.1	429.8	462.8	455.9	256.6	72.9	379.1	435.7	425.9	255.6	68.4
1849	447.5	443.8			475.3	464.7	461.6			429.7	461.9	455.3			379.3	435.1	425.4		
1850	446.8	443.3			475.4	464.1	461.0			429.8	461.3	454.7			379.4	434.4	424.9		
1851	446.2	442.7			475.3	463.3	460.4			429.8	460.6	454.2			379.8	433.7	424.4		
1852	445.5	442.2			475.3	462.5	459.8	268.8	76.9	429.8	459.9	453.7			379.8	433.1	424.0		
1853	444.8	441.6			475.4	461.9	459.4			429.7	459.1	453.0			380.0	432.4	423.6		
1854	444.1	441.1			475.4	461.1	458.8			429.8	458.4	452.5			380.0	431.8	423.1		
1855	443.5	440.5			475.3	460.4	458.1			429.8	457.7	451.9			380.4	431.0	422.6		
1856	442.7	440.0	258.9	72.2	475.3	459.7	457.6	268.9	77.6	429.8	457.1	451.4	256.9	74.4	380.6	430.4	422.1	256.0	69.9
1857	442.1	439.5			475.3	459.1	457.1			429.7	456.2	450.8			380.7	429.8	421.7		
1858	441.5	439.0			475.3	458.2	456.4			429.8	455.5	450.3			380.9	429.0	421.2		
1859	440.9	438.5			475.3	457.6	455.9			429.8	454.9	449.7			381.1	428.4	420.7		
1860	440.2	437.8			475.3	456.8	455.3	269.0	78.4	429.8	454.1	449.1			381.2	427.7	420.2		
1861	439.6	437.4			475.3	456.1	454.8			429.8	453.5	448.6			381.4	427.2	419.9		
1862	438.9	436.9			475.3	455.3	454.2			429.7	452.8	448.0			381.6	426.5	419.6		
1863	438.1	436.3			475.3	454.6	453.6			429.8	452.1	447.4			382.0	425.8	418.9		
1864	437.6	435.9	259.2	73.6	475.3	453.9	453.1	269.2	79.1	429.8	451.3	446.8	257.3	75.9	382.1	425.2	418.5	256.2	71.2
1865	437.0	435.4			475.3	453.2	452.6			429.8	450.7	446.4			382.4	424.5	418.1		
1866	436.3	434.8			475.2	452.5	452.0			429.8	449.9	445.8			382.8	423.8	417.4		
1867	435.7	434.2			475.4	451.8	451.4			430.0	449.2	445.2			383.1	423.3	417.0		
1868	435.0	433.7			475.2	451.2	450.9	269.3	79.9	429.8	448.6	444.6			383.3	422.7	416.6		
1869	434.3	433.4			475.3	450.5	450.3			429.8	447.9	444.1			383.5	421.9	416.3		
1870	433.7	432.8			475.2	449.7	449.8			430.0	447.2	443.6			384.0	421.3	415.8		
1871	433.2	432.4			475.3	449.1	449.3			429.7	446.5	443.2			384.2	420.7	415.3		
1872	432.5	431.8	259.3	75.2	475.3	448.4	448.7	269.5	80.8	429.7	445.9	442.5	257.4	77.4	384.5	420.0	414.9	256.4	72.5
1873	432.0	431.1			475.1	447.7	448.1			429.8	445.2	442.0			385.1	419.6	414.4		
1874	431.3	430.7			475.1	446.9	447.5			429.8	444.5	441.5			385.7	418.8	414.0		
1875	430.6	430.3			475.1	446.3	447.0			430.0	443.8	440.8			386.2	418.2	413.5		
1876	430.1	429.6			475.1	445.7	446.6	269.5	81.4	429.8	443.0	440.3			386.4	417.5	412.9		
1877	429.4	429.3			475.1	444.9	446.0			429.8	442.5	439.7			386.6	417.0	412.7		
1878	428.8	428.7			475.1	444.3	445.4			430.0	441.9	439.2			386.9	416.3	412.2		
1879	428.1	428.2			475.1	443.6	444.9			430.0	441.2	438.7			387.4	415.8	411.8		
1880	427.5	427.7	259.6	76.6	475.0	442.9	444.3	269.7	82.2	430.0	440.5	438.1	257.7	78.9	387.9	415.0	411.3	256.7	74.0
1881	426.8	427.2			475.0	442.3	443.7			429.8	439.9	437.6			388.6	414.5	410.8		
1882	426.3	426.7			475.1	441.6	443.2			429.8	439.3	437.0			389.2	413.9	410.4		
1883	425.6	426.1			475.1	440.8	442.7			430.0	438.5	436.4			390.0	413.2	409.9		
1884	425.2	425.7			475.1	440.3	442.3	269.7	83.0	429.8	437.9	436.1			390.1	412.7	409.5		
1885	424.5	425.2			475.1	439.7	441.7			429.8	437.2	435.6			390.9	412.2	409.1		
1886	423.8	424.7			475.1	438.9	441.2			430.0	436.6	435.0			391.4	411.5	408.6		
1887	423.3	424.3			475.3	438.3	440.5			430.0	436.0	434.5			392.3	410.9	408.2		
1888	422.6	423.7	259.5	78.1	475.1	437.6	440.1	269.9	83.8	429.9	435.3	433.9	257.7	80.3	392.6	410.3	407.7	256.9	75.4
1889	422.1	423.2			475.0	437.0	439.5			429.9	434.7	433.4			393.1	409.7	407.3		
1890	421.5	422.6			475.1	436.2	439.0			429.9	434.0	432.8			394.3	409.0	406.9		
1891	421.0	422.3			475.1	435.7	438.4			429.9	433.4	432.4			395.1	408.5	406.4		
1892	420.3	421.8			475.0	434.9	437.9	269.8	84.5	429.9	432.7	431.8			396.1	407.9	406.0		
1893	419.7	421.3			475.1	434.3	437.4			429.8	432.0	431.3			397.3	407.3	405.5		
1894	419.0	420.7			474.9	433.7	437.0			429.8	431.4	430.7			398.8	406.7	405.1		
1895	418.5	420.3			475.0	433.1	436.3			429.8	430.9	430.3			400.5	406.1	404.7		
1896	417.8	419.8	259.5	79.4	475.1	432.3	435.9	269.8	85.3	429.9	430.1	429.7	257.8	81.7	402.8	405.5	404.3	256.9	76.7
1897	417.3	419.2			475.0	431.7	435.3			429.8	429.5	429.1			404.6	404.9	403.8		
1898	416.8	418.8			475.0	431.2	434.8			429.8	429.0	428.8			406.4	404.4	403.4		
1899	416.2	418.3			475.1	430.6	434.4			429.7	428.3	428.2			409.4	403.9	402.9		
1900	415.6	417.8			475.1	429.9	433.9	270.0	85.9	429.7	427.6	427.7			411.5	403.2	402.4		
1901	415.0	417.4			475.0	429.3	433.3			429.7	427.1	427.1			414.1	402.7	402.0		
1902	414.5	416.9			475.0	428.6	432.9			429.7	426.3	426.7			416.5	402.2	401.7		
1903	413.8	416.4			475.0	428.0	432.1			429.7	425.7	426.2			418.1	401.5	401.1		
1904	413.3	415.9	259.5	80.9	475.1	427.3	431.7	270.0	86.9	429.7	425.0	425.5	257.9	83.1	421.1	401.0	400.9	256.9	77.9
1905	412.8	415.4			475.0	426.7	431.2			429.7	424.5	425.1			427.0	400.5	400.3		
1906	412.2	414.9			475.0	426.2	430.7			429.7	423.9	424.6			435.9	399.9	399.9		
1907	411.6	414.5			474.9	425.4	430.1			429.7	423.3	424.1			445.3	399.3	399.5		
1908	411.0	414.0			475.1	424.9	429.7	270.0	87.5	429.7	422.8	423.6			445.0	398.7	399.1		
1909	410.5	413.5			475.0	424.2	429.2			429.7	422.0	423.1			445.3	398.1	398.8		
1910	409.8	413.1			475.0	423.6	428.7			429.7	421.4	422.5			445.1	397.6	398.2		
1911	409.3	412.6			475.0	423.0	428.1			429.7	420.8	422.1			445.3	396.9	397.8		
1912	408.8	412.2	259.6	82.3	474.9	422.4	427.6	270.1	88.3	429.7	420.4	421.5	257.8	84.4	445.2	396.5	397.4	256.8	79.2
1913	408.2	411.6			474.8	421.8	427.2			429.8	419.7	420.9			445.3	396.0	397.0		
1914	407.6	411.2			474.9	421.2	426.7			429.8	419.0	420.5			445.3	395.3	396.5		
1915	407.1	410.7			474.9	420.6	426.2			429.8	418.5	420.1			445.3	394.7	396.2		
1916	406.5	410.2			474.9	420.0	425.8	269.9	88.9	429.8	417.9	419.5			445.2	394.2	395.8		
1917	406.0	409.7			474.9	419.3	425.2			429.7	417.3	419.1			445.2	393.6	395.4		
1918	405.4	409.3			474.9	418.8	424.7			429.7	416.6	418.5			445.2	393.1	394.9		
1919	404.8	408.9			474.8	418.2	424.1			429.7	416.0	417.9			445.2	392.5	394.5		
1920	404.3	408.4	259.4	83.4	475.0	417.7	423.8	270.0	89.5	429.8	415.6	417.6	257.7	85.8	445.2	392.1	394.1	256.8	80.5
1921	403.8	407.9			474.9	417.0	423.2			429.7	415.0	417.1			445.2	391.6	393.6		
1922	403.3	407.5			474.9	416.4	422.7			429.6	414.2	416.6			445.2	391.1	393.2		
1923	402.8	407.0			474.9	416.0	422.3			429.7	413.9	416.3			445.2	390.5	392.8		
1924	402.2	406.6			474.8	415.4	421.7	270.0	90.3	429.7	413.1	415.7			445.2	390.0	392.3		
1925	401.7	406.1			474.9	414.7	421.2			429.7	412.7	415.2			445.3	389.4	392.1		
1926	401.1	405.7			474.9	414.1	420.8			429.7	412.1	414.7			445.3	388.9	391.7		
1927	400.6	405.2			475.0	413.6	420.3			429.8	411.5	414.1			445.3	388.4	391.3		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
1928	400.0	404.7	259.3	84.9	474.8	412.9	419.8	269.9	91.0	429.7	410.9	413.7	257.8	87.1	445.3	387.9	390.8	256.7	81.7
1929	399.6	404.2			474.9	412.2	419.3			429.7	410.3	413.2			445.3	387.3	390.3		
1930	398.9	403.8			474.8	411.8	418.8			429.8	409.8	412.7			445.4	386.8	390.0		
1931	398.5	403.3			474.8	411.2	418.4			429.7	409.2	412.2			445.2	386.2	389.6		
1932	398.0	403.0			474.9	410.7	417.9	269.8	91.6	429.7	408.7	411.8			445.2	385.8	389.2		
1933	397.5	402.6			474.9	410.1	417.4			429.8	408.1	411.4			445.3	385.3	388.8		
1934	397.0	402.1			474.9	409.5	416.9			429.7	407.5	410.8			445.2	384.7	388.3		
1935	396.4	401.6			474.8	408.9	416.3			429.6	406.8	410.2			445.3	384.2	388.1		
1936	395.9	401.2	259.1	86.1	474.9	408.4	416.0	269.8	92.2	429.7	406.5	409.9	257.7	88.4	445.2	383.7	387.6	256.5	82.8
1937	395.3	400.7			474.8	407.7	415.5			429.6	405.8	409.3			445.0	383.1	387.1		
1938	394.8	400.2			474.8	407.2	414.9			429.6	405.3	408.8			445.2	382.7	386.8		
1939	394.3	399.7			474.7	406.7	414.5			429.6	404.8	408.3			445.2	382.2	386.4		
1940	393.8	399.3			474.7	406.1	414.0	269.7	92.9	429.6	404.3	408.0			445.2	381.7	386.0		
1941	393.2	398.9			474.7	405.5	413.6			429.6	403.6	407.4			445.2	381.2	385.6		
1942	392.8	398.5			474.7	405.0	413.1			429.6	403.1	407.0			445.2	380.6	385.1		
1943	392.2	398.1			474.8	404.4	412.6			429.6	402.5	406.5			445.2	380.1	384.7		
1944	391.8	397.6	258.9	87.4	474.7	404.0	412.1	269.6	93.5	429.5	402.0	406.2	257.4	89.6	445.2	379.7	384.4	256.5	84.1
1945	391.3	397.2			474.7	403.3	411.7			429.7	401.3	405.5			445.2	379.2	384.1		
1946	390.7	396.7			474.7	402.7	411.3			429.5	400.8	405.1			445.0	378.7	383.7		
1947	390.2	396.3			474.7	402.4	410.8			429.6	400.2	404.6			445.3	378.2	383.3		
1948	389.9	395.8			474.8	401.7	410.2	269.4	94.2	429.6	399.7	404.1			445.2	377.7	382.8		
1949	389.4	395.4			474.8	401.2	409.8			429.5	399.2	403.8			445.2	377.2	382.5		
1950	388.7	395.0			474.7	400.6	409.5			429.5	398.7	403.3			445.0	376.6	382.1		
1951	388.3	394.5			474.8	400.0	408.8			429.6	398.0	402.9			445.2	376.2	381.5		
1952	387.9	394.2	258.7	88.8	474.8	399.6	408.4	269.5	94.8	429.5	397.5	402.3	257.2	90.7	445.2	375.8	381.2	256.2	85.1
1953	387.2	393.7			474.7	399.0	407.9			429.5	397.2	401.9			445.1	375.3	380.9		
1954	386.7	393.3			474.8	398.5	407.6			429.6	396.6	401.5			445.2	374.7	380.6		
1955	386.2	392.9			474.6	397.8	407.1			429.6	396.1	401.0			445.1	374.3	380.2		
1956	385.8	392.4			474.7	397.4	406.6	269.2	95.5	429.6	395.4	400.6			445.1	373.8	379.7		
1957	385.3	392.0			474.6	396.8	406.2			429.5	395.0	400.2			445.2	373.3	379.5		
1958	384.9	391.6			474.6	396.3	405.7			429.5	394.4	399.6			444.9	372.7	379.0		
1959	384.4	391.1			474.7	395.8	405.1			429.6	393.9	399.2			445.1	372.4	378.5		
1960	384.0	390.6	258.5	89.9	474.7	395.3	404.7	269.2	96.1	429.6	393.3	398.8	256.9	92.0	445.1	371.8	378.2	256.0	86.3
1961	383.4	390.3			474.7	394.7	404.3			429.7	392.8	398.3			445.1	371.4	377.9		
1962	383.0	389.9			474.6	394.2	403.9			429.6	392.4	397.8			444.9	371.0	377.4		
1963	382.5	389.5			474.7	393.8	403.4			429.6	391.8	397.5			445.1	370.5	377.0		
1964	381.9	389.0			474.5	393.1	403.0	269.1	96.7	429.5	391.4	396.9			444.9	370.0	376.7		
1965	381.4	388.7			474.6	392.6	402.5			429.5	390.8	396.4			445.1	369.4	376.3		
1966	380.9	388.1			474.5	392.1	402.1			429.5	390.4	396.0			445.1	369.0	375.9		
1967	380.5	387.8			474.6	391.6	401.6			429.5	389.9	395.6			445.1	368.5	375.6		
1968	380.0	387.4	258.2	91.1	474.6	391.0	401.1	268.9	97.3	429.5	389.3	395.0	256.7	93.3	445.1	368.0	375.3	255.7	87.4
1969	379.5	387.0			474.5	390.6	400.8			429.5	388.6	394.7			445.1	367.6	374.8		
1970	379.2	386.4			474.6	390.2	400.2			429.6	388.2	394.1			445.1	367.3	374.4		
1971	378.6	386.0			474.6	389.5	399.8			429.5	387.6	393.8			445.0	366.8	374.1		
1972	378.1	385.7			474.3	389.0	399.4	268.7	97.9	429.4	387.2	393.3			445.0	366.2	373.7		
1973	377.6	385.4			474.5	388.4	399.0			429.4	386.6	392.8			445.1	365.7	373.3		
1974	377.3	385.0			474.5	388.1	398.5			429.5	386.1	392.5			445.1	365.4	373.0		
1975	376.8	384.5			474.5	387.6	398.1			429.5	385.6	392.0			445.0	364.9	372.5		
1976	376.3	384.1	258.0	92.3	474.5	387.0	397.6	268.7	98.5	429.5	385.2	391.7	256.3	94.3	444.9	364.4	372.2	255.3	88.5
1977	375.8	383.7			474.3	386.5	397.2			429.4	384.7	391.2			444.9	363.9	371.8		
1978	375.4	383.2			474.3	385.9	396.8			429.4	384.2	390.7			444.8	363.4	371.5		
1979	375.0	382.8			474.3	385.6	396.3			429.4	383.7	390.3			445.1	363.1	371.0		
1980	374.5	382.4			474.5	385.1	395.9	268.5	99.2	429.5	383.2	389.9			444.9	362.7	370.7		
1981	374.1	382.1			474.5	384.5	395.5			429.5	382.8	389.5			444.9	362.2	370.4		
1982	373.6	381.6			474.3	384.0	395.0			429.4	382.3	389.1			444.9	361.7	370.0		
1983	373.1	381.1			474.2	383.5	394.6			429.4	381.8	388.4			444.9	361.4	369.5		
1984	372.6	380.9	257.5	93.5	474.3	383.0	394.1	268.4	99.7	429.4	381.2	388.1	256.1	95.4	445.0	360.8	369.2	255.1	89.5
1985	372.2	380.5			474.3	382.5	393.8			429.4	380.8	387.7			445.0	360.5	368.9		
1986	371.8	380.0			474.3	382.1	393.3			429.4	380.3	387.2			445.0	360.0	368.4		
1987	371.3	379.7			474.3	381.5	392.8			429.4	379.9	386.9			445.0	359.6	368.0		
1988	370.9	379.2			474.2	381.1	392.4	268.2	100.3	429.4	379.4	386.5			444.8	359.1	367.6		
1989	370.4	378.9			474.3	380.5	392.0			429.4	378.8	386.1			444.8	358.6	367.5		
1990	370.0	378.4			474.3	380.1	391.5			429.4	378.3	385.6			444.8	358.2	367.1		
1991	369.5	378.0			474.2	379.7	391.1			429.4	377.9	385.2			444.7	357.7	366.7		
1992	369.1	377.7	257.1	94.5	474.2	379.1	390.8	268.0	100.8	429.4	377.4	384.7	255.8	96.6	445.0	357.2	366.4	254.7	90.6
1993	368.8	377.2			474.2	378.7	390.3			429.4	376.9	384.4			444.7	357.0	366.1		
1994	368.3	376.8			474.2	378.1	389.8			429.4	376.5	383.8			444.8	356.5	365.6		
1995	367.7	376.5			474.2	377.7	389.5			429.3	376.0	383.4			444.8	356.0	365.3		
1996	367.4	376.1			474.2	377.2	389.0	267.8	101.3	429.4	375.5	383.1			444.7	355.7	364.9		
1997	366.9	375.7			474.2	376.7	388.7			429.4	375.1	382.5			444.8	355.1	364.6		
1998	366.5	375.3			474.2	376.2	388.3			429.4	374.5	382.2			444.8	354.8	364.2		
1999	366.0	374.9			474.1	375.8	387.7			429.4	374.1	381.9			444.7	354.3	363.7		
2000	365.5	374.6	256.8	95.7	474.2	375.2	387.4	267.6	101.8	429.3	373.6	381.4	255.3	97.5	444.8	353.7	363.5	254.4	91.5
2001	365.2	374.2			474.2	374.9	387.0			429.4	373.0	381.0			444.7	353.4	363.1		
2002	364.8	373.7			474.1	374.4	386.5			429.2	372.7	380.6			444.7	352.9	362.7		
2003	364.3	373.3			474.1	374.0	386.0			429.3	372.2	380.2			444.8	352.6	362.5		
2004	363.9	373.0			474.2	373.4	385.8	267.4	102.5	429.3	371.8	379.8			444.8	352.1	362.1		
2005	363.4	372.6			474.2	373.0	385.3			429.3	371.3	379.4			444.7	351.9	361.7		
2006	363.0	372.2			474.1	372.4	385.0			429.3	370.8	378.9			444.7	351.4	361.4		
2007	362.7	371.8			474.2	372.1	384.4			429.3	370.3	378.6			444.6	351.0	361.0		
2008	362.1	371.4	256.3	96.6	474.1	371.6	384.1	267.3	102.9	429.3	369.8	378.0	254.9	98.5	444.7	350.5	360.7	254.0	92.5

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2009	361.8	371.1			474.0	371.2	383.6			429.4	369.3	377.6			444.6	350.2	360.3		
2010	361.3	370.7			474.1	370.5	383.3			429.3	369.0	377.1			444.7	349.6	360.0		
2011	361.0	370.3			474.1	370.2	382.8			429.4	368.5	376.8			444.7	349.3	359.6		
2012	360.4	369.9			474.0	369.7	382.4	267.0	103.5	429.2	368.0	376.4			444.6	348.8	359.3		
2013	360.1	369.7			474.1	369.3	382.0			429.3	367.5	376.1			444.5	348.5	358.8		
2014	359.7	369.1			474.1	368.9	381.6			429.3	367.1	375.6			444.6	348.0	358.6		
2015	359.3	368.8			474.1	368.4	381.2			429.3	366.7	375.4			444.5	347.6	358.3		
2016	358.8	368.5	256.0	97.7	474.0	367.9	380.7	266.8	103.9	429.2	366.4	374.8	254.6	99.4	444.6	347.3	357.9	253.5	93.5
2017	358.4	368.0			474.1	367.5	380.4			429.3	365.8	374.6			444.6	346.9	357.6		
2018	358.0	367.7			474.0	367.0	380.0			429.2	365.4	374.0			444.7	346.4	357.2		
2019	357.6	367.3			474.1	366.7	379.6			429.3	364.8	373.7			444.5	346.0	356.9		
2020	357.2	366.8			474.0	366.2	379.1	266.6	104.5	429.3	364.4	373.4			444.5	345.7	356.5		
2021	356.7	366.6			473.9	365.7	378.8			429.2	363.9	372.9			444.5	345.1	356.3		
2022	356.4	366.2			474.0	365.3	378.3			429.2	363.5	372.5			444.4	344.9	355.9		
2023	355.8	365.9			474.0	364.8	378.0			429.2	363.1	372.1			444.5	344.4	355.6		
2024	355.6	365.4	255.5	98.7	473.9	364.3	377.6	266.4	105.0	429.2	362.7	371.7	254.2	100.3	444.5	344.0	355.1	253.1	94.5
2025	355.1	365.1			474.0	363.9	377.2			429.2	362.2	371.2			444.5	343.5	354.9		
2026	354.7	364.6			473.9	363.5	376.8			429.2	361.8	370.9			444.5	343.1	354.5		
2027	354.4	364.4			474.0	363.2	376.3			429.2	361.2	370.5			444.5	342.8	354.1		
2028	354.0	363.9			473.9	362.7	375.9	266.1	105.5	429.2	361.0	370.1			444.5	342.4	353.8		
2029	353.5	363.7			473.9	362.2	375.5			429.2	360.6	369.6			444.5	342.0	353.5		
2030	353.2	363.3			473.8	361.7	375.1			429.2	360.1	369.3			444.5	341.5	353.1		
2031	352.7	362.9			473.9	361.3	374.8			429.2	359.6	369.0			444.4	341.3	352.8		
2032	352.2	362.5	255.0	99.7	473.8	360.8	374.5	265.8	106.1	429.1	359.2	368.5	253.7	101.4	444.5	340.8	352.6	252.5	95.4
2033	351.9	362.1			473.9	360.5	374.1			429.1	358.8	368.2			444.4	340.5	352.1		
2034	351.6	361.9			473.9	360.1	373.7			429.2	358.3	367.9			444.4	340.2	351.8		
2035	351.1	361.5			473.8	359.7	373.3			429.1	357.9	367.3			444.4	339.6	351.6		
2036	350.7	361.1			473.8	359.3	372.9	265.6	106.5	429.2	357.5	367.0			444.3	339.4	351.2		
2037	350.3	360.7			473.8	358.9	372.4			429.1	357.2	366.7			444.4	338.9	350.8		
2038	349.8	360.3			473.8	358.4	372.1			429.1	356.7	366.3			444.5	338.6	350.5		
2039	349.6	359.9			473.9	357.9	371.7			429.1	356.2	365.9			444.3	338.1	350.2		
2040	349.1	359.6	254.4	100.8	473.8	357.6	371.4	265.3	107.1	429.1	355.8	365.4	253.1	102.3	444.4	337.7	349.8	251.9	96.0
2041	348.7	359.1			473.8	357.2	370.9			429.2	355.3	365.1			444.2	337.4	349.4		
2042	348.4	358.9			473.8	356.8	370.6			429.2	354.9	364.7			444.4	337.0	349.2		
2043	347.9	358.6			473.7	356.2	370.2			429.1	354.5	364.3			444.4	336.5	348.9		
2044	347.5	358.3			473.8	355.8	369.8	265.0	107.4	429.1	354.2	363.9			444.3	336.2	348.5		
2045	347.3	357.9			473.8	355.4	369.3			428.9	353.8	363.5			444.3	335.8	348.1		
2046	346.9	357.6			473.8	355.1	369.0			429.1	353.3	363.1			444.3	335.4	347.9		
2047	346.4	357.2			473.7	354.6	368.7			429.1	352.8	362.7			444.3	335.1	347.4		
2048	346.0	356.8	254.0	101.6	473.8	354.2	368.2	264.8	107.9	429.0	352.5	362.4	252.6	103.1	444.3	334.6	347.2	251.5	96.9
2049	345.7	356.6			473.8	353.9	367.8			429.1	352.1	362.0			444.3	334.4	346.8		
2050	345.3	356.1			473.7	353.5	367.5			429.1	351.5	361.7			444.2	334.1	346.6		
2051	344.8	355.8			473.7	353.0	367.1			429.0	351.2	361.3			444.3	333.6	346.3		
2052	344.5	355.4			473.7	352.6	366.8	264.5	108.4	429.1	350.9	361.0			444.2	333.3	345.9		
2053	344.3	355.1			473.7	352.2	366.3			429.1	350.5	360.7			444.2	333.0	345.6		
2054	343.7	354.8			473.6	351.8	366.2			429.0	350.0	360.3			444.3	332.5	345.4		
2055	343.4	354.4			473.6	351.4	365.7			428.8	349.6	359.8			444.3	332.1	345.1		
2056	343.0	353.9	253.3	102.5	473.6	351.1	365.3	264.2	108.8	429.0	349.2	359.4	252.1	104.0	444.2	331.9	344.6	250.9	97.8
2057	342.7	353.6			473.6	350.7	365.0			429.0	348.7	359.2			444.2	331.4	344.3		
2058	342.3	353.4			473.6	350.2	364.6			429.0	348.2	358.7			444.2	331.0	343.9		
2059	341.8	353.0			473.6	349.7	364.1			428.9	347.9	358.3			444.1	330.6	343.6		
2060	341.5	352.7			473.6	349.4	363.8	264.0	109.4	429.0	347.6	358.0			444.2	330.2	343.3		
2061	341.1	352.3			473.6	348.9	363.5			428.9	347.2	357.6			444.1	329.9	343.1		
2062	340.8	352.0			473.6	348.6	363.1			428.9	346.8	357.2			444.1	329.5	342.7		
2063	340.4	351.7			473.6	348.3	362.7			429.0	346.5	356.9			444.1	329.1	342.5		
2064	340.1	351.4	253.1	103.3	473.7	347.9	362.4	263.7	109.8	428.8	346.0	356.5	251.5	104.8	444.1	328.8	342.1	250.4	98.5
2065	339.7	351.0			473.5	347.5	362.0			428.8	345.6	356.1			444.1	328.4	341.8		
2066	339.3	350.6			473.6	347.1	361.6			429.0	345.1	355.7			444.1	328.1	341.4		
2067	339.0	350.3			473.6	346.7	361.3			428.8	344.8	355.5			443.9	327.8	341.2		
2068	338.6	349.9			473.5	346.3	360.9	263.4	110.1	428.8	344.6	354.9			444.2	327.3	340.8		
2069	338.2	349.7			473.6	345.9	360.5			429.0	344.0	354.7			444.1	327.2	340.6		
2070	337.8	349.4			473.5	345.5	360.2			428.8	343.7	354.3			444.1	326.7	340.3		
2071	337.4	349.0			473.5	345.1	359.9			428.7	343.3	353.9			444.2	326.3	340.0		
2072	337.0	348.6	252.4	104.3	473.5	344.7	359.5	263.2	110.6	428.8	342.9	353.5	250.9	105.6	444.1	326.1	339.6	249.9	99.2
2073	336.7	348.3			473.5	344.5	359.1			428.8	342.5	353.3			443.9	325.7	339.4		
2074	336.5	348.0			473.3	344.2	358.8			428.8	342.1	353.0			444.1	325.3	339.1		
2075	336.1	347.6			473.5	343.6	358.3			428.8	341.7	352.6			444.1	325.0	338.8		
2076	335.7	347.3			473.3	343.2	358.0	262.8	111.0	428.7	341.4	352.2			444.1	324.6	338.4		
2077	335.4	346.9			473.5	342.9	357.5			428.8	341.1	351.9			443.9	324.3	338.0		
2078	335.1	346.6			473.3	342.6	357.4			428.8	340.6	351.5			443.9	323.9	337.8		
2079	334.7	346.3			473.5	342.1	357.1			428.8	340.3	351.2			444.1	323.6	337.5		
2080	334.3	346.0	251.8	105.2	473.3	341.7	356.7	262.6	111.4	428.8	339.8	350.7	250.5	106.4	444.1	323.1	337.1	249.3	100.0
2081	333.9	345.6			473.2	341.4	356.3			428.7	339.5	350.4			444.1	322.8	336.9		
2082	333.6	345.2			473.2	341.0	355.9			428.6	339.2	350.2			444.1	322.5	336.5		
2083	333.3	344.9			473.3	340.7	355.5			428.7	338.8	349.8			444.2	322.2	336.2		
2084	333.0	344.5			473.2	340.2	355.2	262.2	111.9	428.6	338.5	349.4			444.2	321.8	336.0		
2085	332.5	344.2			473.2	339.9	354.8			428.7	338.1	349.0			444.1	321.5	335.5		
2086	332.2	343.9			473.2	339.4	354.5			428.6	337.7	348.7			444.1	321.2	335.2		
2087	331.9	343.6			473.2	339.2	354.3			428.7	337.4	348.4			443.9	320.8	334.9		
2088	331.6	343.3	251.3	105.9	473.2	338.7	353.9	262.0	112.2	428.7	336.9	348.0	249.8	107.1	443.9	320.5	334.6	248.7	100.7
2089	331.1	342.9			473.2	338.5	353.5			428.7	336.6	347.6			444.0	320.2	334.4		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2090	330.7	342.7			473.2	338.1	353.2			428.6	336.1	347.3			444.0	319.8	334.0		
2091	330.4	342.5			473.1	337.6	353.0			428.6	335.8	346.9			444.0	319.4	333.9		
2092	330.2	342.0			473.2	337.4	352.5	261.7	112.6	428.6	335.4	346.6			443.9	319.1	333.5		
2093	329.8	341.6			473.2	337.0	352.2			428.7	335.0	346.3			443.8	318.8	333.3		
2094	329.4	341.4			473.1	336.6	351.9			428.6	334.7	346.0			443.9	318.5	333.0		
2095	329.1	341.1			473.2	336.2	351.5			428.6	334.3	345.6			443.9	318.2	332.7		
2096	328.8	340.8	250.7	106.7	473.1	335.9	351.2	261.3	113.1	428.6	334.0	345.2	249.3	107.9	443.9	317.9	332.4	248.1	101.5
2097	328.5	340.4			473.2	335.6	350.9			428.6	333.7	344.9			443.9	317.5	332.1		
2098	328.2	340.2			473.1	335.2	350.5			428.6	333.3	344.6			443.8	317.2	331.7		
2099	327.8	339.9			473.1	334.9	350.2			428.7	332.9	344.3			443.8	316.9	331.5		
2100	327.4	339.5			473.1	334.5	349.8	260.9	113.5	428.6	332.5	343.9			443.8	316.4	331.2		
2101	327.1	339.2			473.1	334.1	349.5			428.5	332.1	343.6			443.8	316.1	330.9		
2102	326.7	338.8			473.1	333.7	349.1			428.5	331.8	343.3			443.8	315.8	330.6		
2103	326.4	338.6			473.0	333.4	348.8			428.6	331.6	343.0			443.8	315.5	330.3		
2104	326.1	338.3	250.1	107.4	473.1	333.1	348.5	260.6	113.9	428.5	331.1	342.7	248.7	108.5	443.7	315.1	330.1	247.6	102.2
2105	325.7	338.1			473.1	332.7	348.2			428.5	330.9	342.4			443.8	314.8	329.6		
2106	325.4	337.7			473.1	332.3	347.8			428.5	330.4	342.0			443.7	314.6	329.4		
2107	325.1	337.3			473.0	331.9	347.4			428.5	330.2	341.6			443.7	314.2	329.1		
2108	324.8	337.0			473.0	331.7	347.2	260.4	114.2	428.5	329.7	341.3			443.8	313.8	328.8		
2109	324.4	336.7			472.8	331.3	346.8			428.4	329.4	341.0			443.7	313.5	328.5		
2110	324.0	336.4			472.8	330.9	346.4			428.5	329.0	340.7			443.7	313.1	328.1		
2111	323.8	336.1			472.8	330.6	346.1			428.5	328.7	340.3			443.7	312.9	327.9		
2112	323.4	335.8	249.5	108.2	473.0	330.2	345.8	260.1	114.6	428.3	328.4	339.9	248.1	109.3	443.7	312.5	327.6	246.8	102.8
2113	323.1	335.4			472.8	329.8	345.3			428.3	328.1	339.7			443.8	312.2	327.3		
2114	322.8	335.1			473.0	329.5	345.2			428.3	327.8	339.3			443.7	311.9	327.1		
2115	322.4	334.8			472.8	329.3	344.8			428.3	327.5	338.9			443.7	311.6	326.8		
2116	322.1	334.6			472.8	328.9	344.6	259.7	114.9	428.3	327.1	338.7			443.8	311.3	326.5		
2117	321.8	334.3			472.8	328.5	344.2			428.3	326.6	338.3			443.7	310.9	326.3		
2118	321.4	334.0			472.8	328.2	344.0			428.5	326.4	338.0			443.7	310.6	325.9		
2119	321.0	333.7			472.8	327.9	343.5			428.5	326.1	337.7			443.6	310.2	325.6		
2120	320.7	333.3	248.9	108.9	472.8	327.5	343.2	259.4	115.3	428.5	325.6	337.4	247.4	110.0	443.6	309.9	325.4	246.3	103.4
2121	320.4	333.1			472.8	327.2	342.8			428.3	325.4	337.1			443.6	309.7	325.2		
2122	320.2	332.6			472.8	326.8	342.6			428.5	325.2	336.7			443.6	309.4	324.8		
2123	319.8	332.3			472.8	326.5	342.4			428.2	324.7	336.4			443.6	309.0	324.5		
2124	319.5	332.1			472.8	326.1	342.0	259.2	115.7	428.3	324.4	336.1			443.6	308.7	324.3		
2125	319.2	331.8			472.8	325.9	341.7			428.3	324.0	335.7			443.3	308.4	324.0		
2126	319.0	331.5			472.8	325.6	341.3			428.2	323.7	335.4			443.4	308.1	323.8		
2127	318.7	331.2			472.8	325.3	341.0			428.2	323.4	335.1			443.4	307.9	323.4		
2128	318.3	330.8	248.3	109.6	472.7	324.9	340.6	258.8	116.0	428.2	323.0	334.7	246.8	110.5	443.6	307.5	323.1	245.5	104.0
2129	317.9	330.6			472.7	324.5	340.4			428.2	322.7	334.6			443.3	307.2	322.9		
2130	317.6	330.2			472.7	324.2	340.0			428.2	322.3	334.3			443.3	307.0	322.6		
2131	317.3	330.1			472.7	323.8	339.7			428.3	322.0	333.9			443.3	306.6	322.3		
2132	317.0	329.8			472.8	323.5	339.4	258.4	116.4	428.2	321.7	333.6			443.2	306.4	322.1		
2133	316.8	329.6			472.7	323.3	339.1			428.2	321.4	333.3			443.3	306.0	321.6		
2134	316.4	329.3			472.8	322.9	338.7			428.2	321.2	333.0			443.2	305.7	321.5		
2135	316.1	328.8			472.7	322.7	338.4			428.2	320.8	332.8			443.3	305.4	321.1		
2136	315.9	328.6	247.6	110.4	472.7	322.2	338.1	258.3	116.8	428.2	320.4	332.3	246.2	111.2	443.3	305.0	320.9	244.8	104.7
2137	315.4	328.4			472.6	322.0	337.9			428.2	320.0	332.1			443.2	304.7	320.6		
2138	315.2	328.0			472.7	321.7	337.5			428.2	319.7	331.8			443.3	304.5	320.4		
2139	315.1	327.8			472.8	321.3	337.1			428.1	319.4	331.5			443.2	304.3	320.0		
2140	314.5	327.4			472.6	320.9	336.8	257.8	117.0	428.1	319.1	331.1			443.1	303.9	319.8		
2141	314.3	327.2			472.7	320.7	336.6			428.2	318.7	330.8			443.2	303.7	319.5		
2142	313.9	326.8			472.6	320.3	336.2			428.1	318.5	330.6			443.2	303.3	319.2		
2143	313.7	326.5			472.6	320.0	336.0			428.0	318.1	330.3			443.2	303.0	318.9		
2144	313.3	326.2	247.0	111.0	472.5	319.6	335.8	257.4	117.4	428.1	317.9	329.8	245.6	111.9	443.1	302.7	318.6	244.3	105.3
2145	313.0	326.0			472.5	319.2	335.5			428.1	317.5	329.5			443.1	302.3	318.5		
2146	312.7	325.6			472.5	318.9	335.1			428.1	317.3	329.3			443.1	302.1	318.2		
2147	312.4	325.4			472.6	318.7	334.8			428.1	316.9	329.1			443.0	301.8	317.9		
2148	312.1	325.1			472.5	318.4	334.5	257.0	117.6	428.1	316.5	328.7			443.1	301.5	317.8		
2149	311.8	324.8			472.5	318.2	334.2			428.0	316.3	328.4			443.1	301.1	317.4		
2150	311.5	324.4			472.4	317.8	333.9			428.0	316.0	328.1			443.0	301.0	317.1		
2151	311.1	324.1			472.4	317.4	333.5			428.0	315.7	327.8			443.0	300.6	316.8		
2152	310.9	323.9	246.3	111.6	472.3	317.2	333.3	256.9	118.1	428.0	315.3	327.5	244.8	112.4	443.1	300.3	316.7	243.6	106.0
2153	310.6	323.6			472.3	316.9	332.9			428.0	315.1	327.3			442.9	300.1	316.4		
2154	310.3	323.3			472.5	316.5	332.7			427.8	314.6	326.8			442.9	299.7	316.0		
2155	309.8	323.0			472.3	316.1	332.4			428.0	314.4	326.6			442.8	299.5	315.9		
2156	309.8	322.7			472.3	315.9	332.0	256.5	118.4	428.0	314.2	326.3			442.9	299.1	315.5		
2157	309.3	322.5			472.3	315.5	331.8			428.0	313.7	325.9			442.8	298.7	315.3		
2158	309.2	322.2			472.3	315.2	331.5			428.0	313.4	325.7			442.8	298.5	315.0		
2159	308.8	321.9			472.3	314.9	331.1			428.0	313.2	325.4			442.7	298.3	314.7		
2160	308.6	321.7	245.7	112.3	472.2	314.6	330.9	256.1	118.7	427.8	312.8	325.0	244.1	112.9	442.8	298.0	314.4	243.0	106.5
2161	308.3	321.5			472.2	314.4	330.5			427.9	312.6	324.8			442.8	297.7	314.2		
2162	308.0	321.1			472.2	314.1	330.1			427.8	312.4	324.5			442.7	297.4	313.8		
2163	307.7	320.9			472.3	313.8	330.0			427.8	312.0	324.1			442.8	297.1	313.7		
2164	307.4	320.5			472.2	313.5	329.6	255.8	119.0	427.8	311.6	323.8			442.7	296.7	313.3		
2165	307.1	320.4			472.2	313.1	329.5			427.9	311.3	323.5			442.7	296.5	313.2		
2166	306.9	320.0			472.2	312.9	329.1			427.9	311.1	323.4			442.7	296.3	312.9		
2167	306.6	319.7			472.3	312.6	328.7			427.8	310.7	323.0			442.7	296.0	312.6		
2168	306.2	319.4	244.9	112.8	472.2	312.2	328.6	255.4	119.2	427.8	310.5	322.7	243.5	113.5	442.7	295.6	312.3	242.3	107.0
2169	305.9	319.2			472.2	311.9	328.3			427.8	310.3	322.4			442.6	295.3	312.1		
2170	305.6	318.9			472.1	311.7	328.0			427.8	309.9	322.2			442.6	295.1	311.7		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2171	305.4	318.5			472.2	311.2	327.7			427.7	309.6	321.8			442.7	295.0	311.5		
2172	305.1	318.3			472.3	311.0	327.4	255.1	119.6	427.7	309.2	321.5			442.6	294.5	311.2		
2173	304.8	318.1			472.2	310.7	327.0			427.7	309.1	321.2			442.6	294.3	311.0		
2174	304.5	317.9			472.2	310.4	326.8			427.7	308.7	321.0			442.6	293.9	310.8		
2175	304.3	317.5			472.2	310.2	326.4			427.7	308.4	320.7			442.6	293.7	310.4		
2176	303.9	317.2	244.3	113.5	472.1	309.8	326.2	254.6	119.8	427.7	308.1	320.4	242.8	114.0	442.7	293.5	310.3	241.7	107.5
2177	303.6	316.9			472.1	309.6	325.8			427.7	307.7	320.2			442.6	293.2	310.0		
2178	303.4	316.7			472.1	309.3	325.6			427.6	307.4	319.9			442.6	293.0	309.7		
2179	303.0	316.4			472.2	308.9	325.4			427.7	307.1	319.5			442.5	292.7	309.5		
2180	302.8	316.1			472.1	308.7	325.0	254.4	120.1	427.7	306.8	319.4			442.5	292.4	309.2		
2181	302.5	315.8			472.1	308.3	324.9			427.6	306.6	319.0			442.5	292.1	309.0		
2182	302.3	315.6			472.2	308.2	324.5			427.7	306.2	318.8			442.3	291.9	308.8		
2183	302.0	315.4			472.1	307.8	324.1			427.6	306.1	318.5			442.5	291.7	308.5		
2184	301.6	315.1	243.7	114.2	472.1	307.5	324.0	254.0	120.5	427.6	305.8	318.1	242.1	114.6	442.3	291.3	308.3	241.0	108.0
2185	301.4	314.9			472.2	307.1	323.6			427.7	305.5	318.0			442.3	291.0	308.0		
2186	301.0	314.5			472.1	306.8	323.4			427.6	305.2	317.7			442.3	290.8	307.8		
2187	300.8	314.2			472.1	306.6	323.1			427.6	304.9	317.4			442.3	290.4	307.6		
2188	300.5	313.9			472.0	306.3	322.8	253.6	120.7	427.6	304.5	317.1			442.3	290.2	307.3		
2189	300.2	313.7			472.1	306.1	322.5			427.6	304.3	316.8			442.3	290.0	307.0		
2190	300.0	313.4			472.0	305.7	322.2			427.6	304.1	316.5			442.3	289.6	306.7		
2191	299.7	313.2			472.1	305.5	322.1			427.7	303.6	316.2			442.2	289.4	306.5		
2192	299.5	312.9	243.0	114.7	472.1	305.3	321.7	253.3	121.1	427.5	303.4	316.1	241.6	115.0	442.3	289.1	306.2	240.2	108.4
2193	299.1	312.7			472.0	304.8	321.4			427.5	303.2	315.6			442.3	288.8	306.0		
2194	298.8	312.5			472.1	304.7	321.0			427.6	302.8	315.4			442.2	288.6	305.7		
2195	298.6	312.2			472.0	304.3	320.8			427.5	302.6	315.1			442.3	288.3	305.4		
2196	298.3	312.0			472.0	304.1	320.6	252.9	121.3	427.6	302.3	314.9			442.2	288.0	305.3		
2197	298.1	311.7			472.1	303.8	320.3			427.5	302.0	314.6			442.2	287.8	305.0		
2198	297.8	311.5			471.9	303.4	320.0			427.6	301.7	314.3			442.2	287.5	304.8		
2199	297.5	311.1			472.0	303.2	319.7			427.5	301.4	314.0			442.2	287.3	304.4		
2200	297.2	310.9	242.3	115.3	472.0	302.8	319.5	252.6	121.6	427.5	301.2	313.8	240.7	115.6	442.2	286.9	304.3	239.6	109.0
2201	297.0	310.6			472.0	302.5	319.2			427.5	300.8	313.5			442.2	286.7	304.0		
2202	296.7	310.3			472.0	302.4	318.9			427.4	300.6	313.2			442.2	286.5	303.7		
2203	296.4	310.2			471.9	302.1	318.8			427.5	300.4	312.9			442.2	286.1	303.6		
2204	296.1	309.8			471.7	301.8	318.5	252.1	121.9	427.5	300.1	312.6			442.1	285.9	303.4		
2205	296.0	309.6			472.0	301.6	318.2			427.5	299.8	312.5			442.2	285.7	302.9		
2206	295.6	309.3			471.9	301.3	317.8			427.4	299.5	312.2			442.2	285.4	302.8		
2207	295.3	309.1			471.9	301.0	317.6			427.5	299.2	312.0			442.1	285.2	302.5		
2208	295.2	308.9	241.7	115.8	471.8	300.6	317.4	251.7	122.1	427.3	298.9	311.7	240.0	116.0	442.0	284.9	302.3	238.9	109.5
2209	294.9	308.6			471.8	300.4	317.0			427.3	298.7	311.4			442.0	284.6	302.0		
2210	294.6	308.3			471.8	300.1	316.8			427.3	298.5	311.0			442.1	284.3	301.8		
2211	294.3	308.2			471.8	299.9	316.4			427.3	298.1	310.8			442.0	284.1	301.6		
2212	294.1	307.7			471.8	299.6	316.2	251.4	122.3	427.2	297.9	310.5			442.1	283.9	301.3		
2213	293.8	307.5			471.7	299.4	315.9			427.3	297.7	310.4			442.0	283.5	301.1		
2214	293.5	307.2			471.8	299.0	315.7			427.3	297.4	309.9			442.1	283.2	300.9		
2215	293.2	307.0			471.7	298.8	315.3			427.2	297.1	309.8			442.0	283.1	300.6		
2216	293.0	306.7	241.0	116.2	471.7	298.5	315.2	251.0	122.5	427.3	296.8	309.5	239.3	116.5	442.1	282.8	300.3	238.1	109.9
2217	292.7	306.4			471.8	298.2	315.0			427.2	296.5	309.3			442.0	282.6	300.1		
2218	292.5	306.3			471.7	297.9	314.6			427.3	296.3	309.0			442.1	282.2	299.9		
2219	292.3	306.0			471.8	297.8	314.3			427.2	296.0	308.7			442.1	282.1	299.5		
2220	292.0	305.7			471.8	297.6	314.0	250.7	122.9	427.2	295.8	308.4			442.0	281.9	299.3		
2221	291.6	305.5			471.7	297.2	313.9			427.2	295.4	308.1			441.9	281.5	299.2		
2222	291.4	305.3			471.7	296.9	313.5			427.2	295.2	307.9			442.0	281.3	298.8		
2223	291.2	305.0			471.7	296.7	313.2			427.3	294.8	307.6			442.0	281.1	298.7		
2224	290.9	304.7	240.4	116.8	471.6	296.4	312.9	250.3	123.1	427.2	294.6	307.4	238.6	116.9	442.1	280.9	298.4	237.4	110.3
2225	290.6	304.6			471.7	296.1	312.8			427.2	294.3	307.2			442.0	280.6	298.3		
2226	290.4	304.2			471.6	295.8	312.5			427.2	294.0	307.0			442.0	280.3	298.0		
2227	290.1	304.0			471.7	295.5	312.2			427.2	293.8	306.7			442.0	280.0	297.8		
2228	289.9	303.7			471.6	295.2	311.9	250.0	123.2	427.2	293.6	306.4			442.0	279.8	297.6		
2229	289.6	303.5			471.6	295.0	311.8			427.1	293.4	306.1			442.0	279.5	297.4		
2230	289.4	303.2			471.7	294.7	311.5			427.2	293.1	306.0			442.0	279.3	297.1		
2231	289.1	303.0			471.5	294.4	311.3			427.2	292.7	305.6			442.0	278.9	296.9		
2232	288.9	302.8	239.6	117.3	471.6	294.2	310.9	249.6	123.5	427.1	292.5	305.4	238.0	117.3	442.0	278.9	296.6	236.7	110.7
2233	288.5	302.6			471.5	293.9	310.8			427.2	292.3	305.1			442.0	278.5	296.4		
2234	288.3	302.2			471.6	293.8	310.4			427.0	292.1	304.9			442.0	278.3	296.0		
2235	288.1	302.0			471.5	293.5	310.2			427.1	291.7	304.6			441.8	278.0	295.9		
2236	287.8	301.8			471.5	293.2	309.9	249.3	123.6	427.1	291.5	304.4			441.9	277.8	295.7		
2237	287.6	301.4			471.5	292.9	309.6			427.0	291.3	304.1			441.9	277.6	295.4		
2238	287.3	301.3			471.6	292.6	309.5			427.1	290.9	303.8			441.8	277.2	295.2		
2239	287.1	301.1			471.5	292.5	309.2			427.1	290.7	303.6			441.9	277.1	295.0		
2240	286.8	300.8	239.0	117.7	471.5	292.2	308.8	248.8	123.9	427.0	290.5	303.4	237.2	117.8	441.8	276.9	294.6	236.1	111.3
2241	286.5	300.5			471.5	291.9	308.7			427.0	290.1	303.1			441.9	276.6	294.5		
2242	286.3	300.2			471.4	291.6	308.5			427.1	289.9	302.9			441.9	276.3	294.4		
2243	286.2	300.0			471.5	291.3	308.1			427.0	289.7	302.7			441.8	276.2	294.1		
2244	285.9	299.8			471.4	291.2	307.9	248.5	124.2	427.0	289.4	302.4			441.9	275.9	293.9		
2245	285.6	299.6			471.5	290.8	307.7			427.1	289.1	302.1			441.8	275.6	293.5		
2246	285.4	299.2			471.5	290.6	307.4			426.9	288.8	301.9			441.8	275.4	293.3		
2247	285.1	299.0			471.6	290.4	307.2			427.0	288.7	301.6			441.8	275.1	293.1		
2248	284.8	298.8	238.2	118.1	471.4	290.0	306.9	248.1	124.4	427.0	288.4	301.2	236.5	118.1	441.8	274.8	292.9	235.3	111.7
2249	284.6	298.6			471.5	289.8	306.5			427.0	288.2	301.2			441.8	274.7	292.7		
2250	284.3	298.4			471.4	289.5	306.4			427.0	287.8	300.9			441.8	274.4	292.5		
2251	284.2	298.1			471.4	289.2	306.1			427.0	287.7	300.5			441.9	274.2	292.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2252	283.9	298.0			471.4	289.0	305.9	247.9	124.7	427.0	287.3	300.4			441.7	273.8	292.0		
2253	283.6	297.7			471.4	288.9	305.6			427.0	287.1	300.1			441.7	273.6	291.8		
2254	283.4	297.3			471.4	288.7	305.2			426.9	286.9	299.8			441.8	273.4	291.5		
2255	283.1	297.2			471.3	288.3	305.2			427.0	286.6	299.6			441.7	273.2	291.3		
2256	282.8	296.9	237.5	118.6	471.4	288.1	304.9	247.4	124.8	426.9	286.3	299.3	235.8	118.5	441.8	273.0	291.0	234.6	112.0
2257	282.7	296.6			471.4	287.9	304.6			426.9	286.1	299.2			441.8	272.8	290.9		
2258	282.3	296.5			471.3	287.6	304.4			426.9	285.8	298.8			441.7	272.4	290.6		
2259	282.2	296.1			471.3	287.3	304.1			426.9	285.7	298.6			441.8	272.3	290.3		
2260	281.9	295.9			471.3	287.1	303.8	247.0	125.0	426.8	285.4	298.4			441.7	272.1	290.2		
2261	281.7	295.7			471.3	286.9	303.7			426.8	285.1	298.1			441.7	271.8	290.0		
2262	281.3	295.5			471.3	286.5	303.6			426.9	284.8	297.9			441.7	271.5	289.7		
2263	281.2	295.2			471.4	286.4	303.1			426.9	284.6	297.7			441.7	271.4	289.4		
2264	280.8	295.1	236.8	119.0	471.2	286.0	303.0	246.6	125.3	426.9	284.3	297.5	235.1	118.8	441.6	271.1	289.3	233.8	112.5
2265	280.7	294.8			471.3	285.9	302.7			426.9	284.2	297.2			441.7	270.8	289.0		
2266	280.5	294.6			471.2	285.5	302.5			426.8	283.9	296.9			441.6	270.7	288.9		
2267	280.1	294.3			471.2	285.2	302.3			426.9	283.7	296.6			441.6	270.3	288.6		
2268	280.0	294.1			471.2	285.0	302.0	246.3	125.4	426.8	283.4	296.4			441.6	270.1	288.5		
2269	279.8	293.8			471.2	284.8	301.6			426.8	283.2	296.2			441.6	269.9	288.0		
2270	279.5	293.7			471.2	284.6	301.5			426.8	282.9	296.0			441.4	269.6	287.9		
2271	279.3	293.4			471.2	284.4	301.2			426.8	282.7	295.7			441.6	269.5	287.7		
2272	279.1	293.2	236.2	119.3	471.2	284.1	300.9	245.9	125.5	426.8	282.6	295.5	234.4	119.2	441.6	269.2	287.5	233.3	112.7
2273	278.7	292.9			471.2	283.8	300.7			426.7	282.1	295.2			441.4	268.9	287.3		
2274	278.6	292.7			471.1	283.6	300.5			426.8	281.9	294.9			441.4	268.8	287.1		
2275	278.4	292.5			471.2	283.5	300.2			426.7	281.7	294.8			441.4	268.6	286.9		
2276	278.1	292.3			471.2	283.3	300.1	245.4	125.8	426.7	281.4	294.5			441.4	268.4	286.7		
2277	277.8	292.0			471.1	282.9	299.8			426.8	281.2	294.3			441.4	268.0	286.5		
2278	277.7	291.7			471.2	282.8	299.6			426.7	281.0	294.1			441.4	267.8	286.2		
2279	277.4	291.6			471.1	282.4	299.4			426.7	280.7	293.7			441.6	267.7	286.0		
2280	277.2	291.3	235.5	119.8	471.1	282.3	299.1	245.0	125.9	426.7	280.5	293.5	233.7	119.5	441.4	267.4	285.8	232.5	113.1
2281	277.0	291.0			471.2	282.1	298.9			426.7	280.3	293.3			441.4	267.1	285.4		
2282	276.7	290.9			471.2	281.8	298.5			426.7	280.1	293.1			441.3	267.0	285.3		
2283	276.5	290.7			471.2	281.4	298.4			426.6	279.8	292.8			441.4	266.7	285.1		
2284	276.2	290.5			471.1	281.3	298.1	244.7	126.1	426.7	279.5	292.7			441.3	266.5	284.8		
2285	276.1	290.1			471.1	281.1	297.9			426.7	279.4	292.5			441.3	266.4	284.7		
2286	275.8	290.0			471.1	280.8	297.7			426.7	279.1	292.2			441.4	266.0	284.3		
2287	275.6	289.7			471.1	280.6	297.4			426.6	278.9	292.0			441.3	265.9	284.2		
2288	275.4	289.4	234.6	120.1	471.0	280.4	297.2	244.3	126.3	426.6	278.7	291.8	232.9	119.8	441.3	265.7	284.1	231.8	113.4
2289	275.1	289.3			471.0	280.1	297.0			426.6	278.4	291.5			441.3	265.4	283.8		
2290	274.9	289.1			471.1	279.8	296.7			426.5	278.1	291.2			441.5	265.2	283.5		
2291	274.6	288.9			471.0	279.6	296.5			426.6	277.9	291.1			441.5	264.9	283.3		
2292	274.4	288.7			471.1	279.3	296.3	243.9	126.4	426.6	277.6	290.8			441.3	264.6	283.1		
2293	274.1	288.4			471.1	279.2	296.0			426.6	277.4	290.5			441.5	264.4	282.9		
2294	273.9	288.3			471.0	279.0	295.8			426.5	277.2	290.3			441.2	264.2	282.8		
2295	273.7	288.0			471.0	278.7	295.5			426.5	276.9	290.1			441.3	264.1	282.5		
2296	273.5	287.7	234.0	120.4	470.9	278.4	295.2	243.7	126.6	426.5	276.7	289.9	232.1	120.1	441.4	263.8	282.1	230.9	113.7
2297	273.3	287.5			470.9	278.1	295.2			426.7	276.5	289.7			441.4	263.5	282.1		
2298	273.1	287.3			470.9	278.0	294.9			426.5	276.3	289.4			441.4	263.4	281.8		
2299	272.9	287.0			470.9	277.7	294.7			426.5	276.0	289.1			441.2	263.2	281.7		
2300	272.7	286.8			471.0	277.6	294.4	243.3	126.7	426.5	275.8	289.0			441.4	263.0	281.5		
2301	272.5	286.6			470.9	277.4	294.2			426.5	275.6	288.7			441.4	262.7	281.3		
2302	272.2	286.4			470.9	277.0	294.1			426.5	275.4	288.5			441.4	262.5	281.0		
2303	271.9	286.2			470.7	276.8	293.7			426.5	275.1	288.2			441.2	262.3	280.8		
2304	271.7	286.1	233.2	120.8	470.9	276.6	293.4	242.9	127.1	426.4	274.9	288.0	231.6	120.5	441.2	262.1	280.6	230.2	114.0
2305	271.6	285.8			470.9	276.3	293.3			426.5	274.7	287.8			441.2	262.0	280.4		
2306	271.3	285.5			470.7	276.2	293.0			426.5	274.3	287.6			441.4	261.7	280.2		
2307	271.1	285.4			470.7	275.9	292.9			426.6	274.2	287.4			441.1	261.5	280.0		
2308	270.9	285.1			470.9	275.7	292.6	242.6	127.1	426.4	274.0	287.1			441.4	261.2	279.8		
2309	270.7	284.8			470.7	275.4	292.3			426.4	273.8	286.9			441.2	261.1	279.6		
2310	270.4	284.7			470.7	275.1	292.1			426.5	273.5	286.7			441.2	260.7	279.4		
2311	270.2	284.5			470.7	275.0	291.9			426.5	273.2	286.5			441.2	260.6	279.1		
2312	270.1	284.3	232.7	121.1	470.9	274.7	291.7	242.1	127.2	426.4	273.1	286.2	230.8	120.7	441.1	260.3	279.0	229.6	114.3
2313	269.8	284.0			470.7	274.5	291.4			426.4	272.8	286.0			441.1	260.2	278.7		
2314	269.5	283.8			470.7	274.2	291.3			426.4	272.6	285.8			441.1	259.9	278.6		
2315	269.3	283.6			470.6	274.2	291.0			426.4	272.3	285.6			441.1	259.8	278.4		
2316	269.2	283.3			470.6	273.8	290.8	241.7	127.4	426.4	272.1	285.2			441.1	259.4	278.1		
2317	268.8	283.2			470.7	273.6	290.7			426.4	271.9	285.1			441.1	259.2	277.9		
2318	268.7	283.0			470.6	273.4	290.5			426.4	271.6	284.9			441.1	259.0	277.7		
2319	268.3	282.8			470.6	273.2	290.2			426.2	271.5	284.7			441.1	258.8	277.5		
2320	268.2	282.6	232.0	121.5	470.6	273.0	290.0	241.4	127.7	426.4	271.3	284.6	230.1	120.9	441.0	258.6	277.3	228.8	114.6
2321	268.0	282.3			470.6	272.7	289.8			426.4	271.0	284.2			441.1	258.3	277.1		
2322	267.7	282.2			470.6	272.4	289.5			426.4	270.8	284.0			441.1	258.2	276.9		
2323	267.5	281.8			470.6	272.2	289.2			426.2	270.6	283.9			441.1	258.0	276.6		
2324	267.3	281.6			470.6	272.1	289.0	241.1	127.8	426.2	270.4	283.7			441.0	257.8	276.4		
2325	267.1	281.5			470.6	271.8	288.8			426.2	270.2	283.5			440.9	257.6	276.2		
2326	267.0	281.2			470.6	271.7	288.5			426.2	270.1	283.2			441.0	257.3	276.0		
2327	266.7	281.0			470.5	271.4	288.4			426.2	269.8	282.9			441.0	257.2	275.8		
2328	266.5	280.8	231.2	121.7	470.5	271.2	288.1	240.7	127.9	426.1	269.5	282.8	229.4	121.2	440.9	257.0	275.8	228.1	114.8
2329	266.3	280.7			470.5	271.0	287.9			426.1	269.4	282.6			440.9	256.8	275.5		
2330	266.1	280.4			470.5	270.7	287.8			426.2	269.0	282.3			440.9	256.5	275.2		
2331	265.9	280.2			470.5	270.6	287.5			426.1	268.9	282.1			441.0	256.4	275.0		
2332	265.6	279.9			470.5	270.3	287.3	240.2	127.9	426.1	268.7	281.9			440.9	256.2	274.9		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2333	265.5	279.7			470.4	270.1	287.2			426.1	268.4	281.7			441.0	255.9	274.6		
2334	265.2	279.5			470.4	269.9	286.8			426.1	268.3	281.4			441.0	255.6	274.5		
2335	265.0	279.5			470.5	269.7	286.7			426.1	268.0	281.2			441.0	255.4	274.2		
2336	264.8	279.2	230.6	122.2	470.4	269.6	286.4	239.8	128.1	426.1	267.7	280.9	228.6	121.5	441.0	255.3	274.1	227.4	115.1
2337	264.6	278.9			470.4	269.2	286.2			426.1	267.5	280.8			441.0	255.1	273.9		
2338	264.3	278.7			470.4	269.0	286.0			426.1	267.4	280.5			441.0	254.9	273.6		
2339	264.1	278.6			470.4	268.8	285.6			426.0	267.2	280.2			441.0	254.6	273.5		
2340	263.9	278.3			470.4	268.7	285.6	239.4	128.3	426.1	266.9	280.1			441.0	254.6	273.2		
2341	263.7	278.2			470.4	268.4	285.4			426.1	266.7	279.8			441.0	254.3	273.1		
2342	263.5	277.9			470.4	268.1	285.2			426.0	266.5	279.7			441.1	254.0	272.9		
2343	263.4	277.8			470.4	267.9	284.9			426.0	266.4	279.5			441.1	253.9	272.7		
2344	263.1	277.4	229.7	122.5	470.4	267.8	284.7	239.2	128.4	426.0	266.0	279.2	227.8	121.7	441.0	253.7	272.5	226.6	115.3
2345	263.0	277.3			470.4	267.5	284.5			426.1	265.8	279.1			441.0	253.5	272.2		
2346	262.8	277.0			470.4	267.2	284.3			426.1	265.6	278.7			441.0	253.3	272.1		
2347	262.6	276.9			470.1	267.0	284.0			426.0	265.4	278.6			441.1	253.0	271.9		
2348	262.4	276.7			470.3	266.9	283.9	238.8	128.5	426.0	265.3	278.4			440.9	252.8	271.7		
2349	262.1	276.5			470.3	266.7	283.6			426.0	264.9	278.1			440.9	252.7	271.5		
2350	261.9	276.3			470.3	266.4	283.4			425.9	264.8	277.9			441.1	252.5	271.2		
2351	261.6	276.1			470.3	266.2	283.2			425.9	264.6	277.7			441.0	252.3	271.1		
2352	261.4	276.0	229.0	122.7	470.1	266.1	282.9	238.3	128.6	426.1	264.4	277.6	227.2	122.0	441.0	252.2	270.8	225.9	115.6
2353	261.4	275.6			470.3	265.8	282.7			426.0	264.1	277.4			440.9	251.9	270.7		
2354	261.1	275.4			470.3	265.7	282.6			425.9	263.9	277.1			440.9	251.6	270.4		
2355	260.9	275.3			470.1	265.3	282.4			425.9	263.6	276.9			441.0	251.5	270.3		
2356	260.6	275.0			470.1	265.1	282.1	238.0	128.8	425.8	263.5	276.7			441.0	251.2	270.1		
2357	260.6	274.8			470.1	265.0	281.9			426.0	263.3	276.6			441.0	251.1	269.9		
2358	260.3	274.6			470.3	264.8	281.6			426.0	263.1	276.4			441.0	251.0	269.7		
2359	260.2	274.4			470.1	264.5	281.5			425.9	262.9	276.1			440.9	250.8	269.6		
2360	260.0	274.2	228.4	123.0	470.1	264.3	281.3	237.6	128.9	425.9	262.6	275.9	226.4	122.1	440.9	250.5	269.4	225.2	115.8
2361	259.7	274.1			470.1	264.0	281.2			425.9	262.4	275.7			441.0	250.4	269.2		
2362	259.5	273.9			470.1	263.8	280.9			425.8	262.2	275.4			441.0	250.1	269.1		
2363	259.3	273.7			470.3	263.6	280.7			425.8	262.0	275.2			441.1	249.9	268.7		
2364	259.1	273.5			470.0	263.4	280.6	237.2	129.0	425.9	261.9	275.0			441.1	249.7	268.6		
2365	258.9	273.3			470.1	263.3	280.2			425.8	261.7	274.9			441.2	249.5	268.4		
2366	258.7	273.0			470.1	263.2	280.0			425.8	261.5	274.7			441.1	249.4	268.2		
2367	258.6	272.8			470.0	262.9	279.9			425.8	261.3	274.5			441.1	249.2	268.0		
2368	258.3	272.6	227.6	123.2	470.0	262.6	279.7	236.8	129.2	425.8	261.1	274.3	225.6	122.4	441.0	249.0	267.8	224.5	116.1
2369	258.1	272.5			470.0	262.5	279.6			425.6	260.9	274.1			441.1	248.6	267.6		
2370	257.9	272.3			470.0	262.4	279.3			425.8	260.7	273.9			441.1	248.4	267.4		
2371	257.8	272.1			470.0	262.2	279.1			425.8	260.5	273.6			441.1	248.3	267.2		
2372	257.5	271.7			470.0	261.9	278.8	236.5	129.2	425.8	260.2	273.5			441.0	248.1	267.1		
2373	257.3	271.7			469.9	261.8	278.7			425.8	260.0	273.3			441.0	247.9	266.9		
2374	257.1	271.5			469.9	261.5	278.5			425.6	259.8	273.0			441.1	247.8	266.8		
2375	257.0	271.4			469.9	261.4	278.4			425.6	259.7	272.8			441.2	247.5	266.5		
2376	256.7	271.1	227.0	123.5	469.9	261.1	278.0	236.1	129.4	425.5	259.5	272.6	225.0	122.7	441.2	247.4	266.3	223.7	116.2
2377	256.6	270.8			470.0	260.9	277.8			425.6	259.3	272.4			441.2	247.2	266.1		
2378	256.4	270.7			470.0	260.8	277.7			425.6	259.0	272.3			441.2	246.9	265.8		
2379	256.3	270.5			470.0	260.5	277.5			425.6	258.8	272.1			441.1	246.9	265.7		
2380	255.9	270.3			470.0	260.3	277.2	235.6	129.5	425.6	258.6	271.9			441.2	246.6	265.5		
2381	255.7	270.1			469.9	260.2	276.8			425.6	258.4	271.7			441.2	246.4	265.4		
2382	255.4	269.9			469.9	259.8	276.8			425.6	258.1	271.4			441.3	246.2	265.1		
2383	255.2	269.8			469.9	259.7	276.6			425.5	258.0	271.3			441.2	246.0	265.0		
2384	255.2	269.4	226.3	123.7	469.9	259.5	276.3	235.2	129.6	425.6	257.8	271.1	224.3	122.8	441.3	245.8	264.8	223.2	116.5
2385	254.9	269.3			469.8	259.4	276.1			425.5	257.6	270.9			441.3	245.6	264.6		
2386	254.7	269.2			469.9	259.2	276.0			425.6	257.3	270.6			441.2	245.5	264.5		
2387	254.5	269.1			469.9	258.9	275.8			425.4	257.2	270.5			441.3	245.3	264.2		
2388	254.4	268.9			469.9	258.7	275.6	235.0	129.8	425.6	256.9	270.3			441.2	245.1	264.1		
2389	254.1	268.5			469.9	258.6	275.4			425.5	256.8	270.0			441.2	244.9	263.9		
2390	253.9	268.4			469.9	258.3	275.2			425.4	256.6	269.9			441.2	244.6	263.6		
2391	253.8	268.2			469.9	258.1	274.9			425.6	256.4	269.8			441.2	244.6	263.5		
2392	253.6	268.1	225.6	123.9	469.9	258.0	274.8	234.6	129.9	425.4	256.2	269.5	223.5	123.0	441.3	244.3	263.3	222.3	116.6
2393	253.3	267.8			469.8	257.7	274.4			425.5	256.1	269.3			441.1	244.1	263.1		
2394	253.2	267.6			469.8	257.5	274.3			425.5	255.9	269.1			441.1	244.0	262.9		
2395	253.0	267.4			469.8	257.3	274.3			425.5	255.6	268.9			441.1	243.8	262.8		
2396	252.8	267.3			469.8	257.0	274.0	234.2	129.9	425.4	255.4	268.7			441.1	243.7	262.7		
2397	252.5	267.0			469.8	256.9	273.8			425.4	255.2	268.6			441.2	243.4	262.4		
2398	252.5	266.9			469.9	256.7	273.5			425.5	255.0	268.3			441.1	243.3	262.2		
2399	252.3	266.7			469.7	256.4	273.4			425.4	254.8	268.1			441.1	243.1	262.1		
2400	252.1	266.6	224.7	124.1	469.7	256.3	273.2	233.8	129.9	425.4	254.6	267.8	222.8	123.1	441.1	242.9	261.9	221.5	116.7
2401	251.9	266.3			469.8	256.1	273.0			425.4	254.5	267.7			441.1	242.7	261.6		
2402	251.7	266.1			469.7	256.0	272.8			425.4	254.2	267.6			441.0	242.5	261.4		
2403	251.5	265.9			469.6	255.8	272.8			425.4	254.0	267.4			441.1	242.3	261.4		
2404	251.3	265.7			469.7	255.6	272.5	233.5	130.1	425.4	253.8	267.2			441.0	242.2	261.1		
2405	251.2	265.7			469.7	255.3	272.3			425.4	253.6	266.9			441.0	241.9	261.0		
2406	251.0	265.4			469.7	255.1	272.1			425.3	253.5	266.7			441.1	241.7	260.8		
2407	250.8	265.2			469.8	255.0	271.9			425.4	253.3	266.6			441.0	241.5	260.6		
2408	250.6	265.0	224.1	124.3	469.6	254.7	271.7	233.0	130.3	425.4	253.0	266.5	222.1	123.4	441.0	241.4	260.4	220.8	117.0
2409	250.4	264.8			469.6	254.5	271.5			425.3	252.9	266.1			441.1	241.1	260.2		
2410	250.2	264.6			469.7	254.3	271.3			425.3	252.7	266.0			441.0	240.9	260.0		
2411	250.0	264.4			469.7	254.2	271.1			425.4	252.6	265.9			440.9	240.8	259.8		
2412	249.9	264.1			469.6	254.1	270.9	232.6	130.2	425.3	252.4	265.7			441.0	240.6	259.7		
2413	249.6	263.9			469.6	253.8	270.7			425.4	252.1	265.5			440.9	240.5	259.6		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2414	249.4	263.8			469.6	253.6	270.5			425.3	251.9	265.3			441.1	240.2	259.4		
2415	249.3	263.6			469.6	253.4	270.3			425.3	251.7	265.1			441.0	240.0	259.1		
2416	249.2	263.4	223.4	124.6	469.6	253.3	270.1	232.3	130.5	425.3	251.5	265.0	221.4	123.5	440.9	240.0	259.0	220.1	117.2
2417	249.0	263.3			469.6	253.0	269.9			425.4	251.3	264.7			440.9	239.8	258.8		
2418	248.7	263.1			469.7	252.8	269.7			425.2	251.1	264.5			440.9	239.5	258.6		
2419	248.5	262.8			469.6	252.7	269.5			425.2	251.0	264.4			440.9	239.4	258.3		
2420	248.3	262.7			469.6	252.4	269.4	232.0	130.3	425.2	250.8	264.1			440.9	239.2	258.2		
2421	248.1	262.5			469.6	252.3	269.2			425.2	250.6	264.0			440.9	239.0	258.0		
2422	248.0	262.3			469.6	252.0	269.0			425.2	250.3	263.8			440.9	238.9	257.8		
2423	247.7	262.1			469.6	251.9	268.8			425.2	250.2	263.6			440.9	238.6	257.6		
2424	247.6	261.9	222.7	124.7	469.6	251.7	268.6	231.5	130.5	425.2	250.0	263.4	220.7	123.6	440.9	238.6	257.3	219.4	117.3
2425	247.3	261.8			469.6	251.5	268.5			425.3	249.8	263.1			440.9	238.2	257.3		
2426	247.3	261.6			469.6	251.3	268.1			425.1	249.6	262.9			440.8	238.1	257.2		
2427	247.1	261.3			469.6	251.3	268.0			425.2	249.4	262.8			440.8	238.0	256.9		
2428	246.8	261.2			469.4	251.0	267.8	231.1	130.6	425.3	249.3	262.7			440.8	237.8	256.8		
2429	246.7	261.1			469.5	250.7	267.7			425.2	249.0	262.4			440.8	237.6	256.6		
2430	246.5	260.9			469.5	250.5	267.5			425.1	249.0	262.2			440.8	237.4	256.4		
2431	246.4	260.7			469.5	250.4	267.3			425.1	248.6	261.9			440.8	237.2	256.2		
2432	246.1	260.6	222.0	124.9	469.6	250.0	267.0	230.7	130.6	425.1	248.6	261.7	219.9	123.8	440.8	237.1	256.1	218.7	117.4
2433	246.0	260.3			469.6	250.1	266.8			425.2	248.2	261.7			440.9	236.9	255.8		
2434	245.7	260.3			469.3	249.8	266.7			425.1	248.2	261.4			440.8	236.6	255.8		
2435	245.6	259.9			469.5	249.7	266.4			425.1	247.9	261.3			440.6	236.5	255.5		
2436	245.5	259.8			469.5	249.4	266.3	230.4	130.8	425.1	247.7	261.0			440.8	236.3	255.5		
2437	245.3	259.6			469.5	249.3	266.1			425.1	247.6	260.9			440.6	236.1	255.2		
2438	245.1	259.5			469.3	249.0	265.9			425.0	247.4	260.7			440.8	235.9	255.1		
2439	244.9	259.3			469.5	248.9	265.7			425.1	247.3	260.7			440.8	235.7	254.9		
2440	244.8	259.1	221.4	125.1	469.5	248.7	265.5	230.0	130.8	425.0	247.1	260.4	219.3	123.9	440.7	235.6	254.8	217.9	117.7
2441	244.6	258.9			469.4	248.5	265.3			425.0	246.8	260.1			440.8	235.5	254.6		
2442	244.3	258.8			469.4	248.4	265.2			425.0	246.6	260.0			440.8	235.2	254.3		
2443	244.3	258.6			469.4	248.1	265.1			425.1	246.5	259.8			440.8	235.1	254.2		
2444	244.0	258.3			469.5	247.9	264.8	229.6	130.9	425.0	246.4	259.5			440.7	234.9	254.0		
2445	243.8	258.3			469.4	247.9	264.7			425.0	246.2	259.5			440.7	234.7	253.8		
2446	243.7	258.1			469.4	247.6	264.6			425.0	246.0	259.3			440.7	234.5	253.6		
2447	243.6	257.9			469.2	247.4	264.3			425.0	245.8	259.1			440.5	234.4	253.6		
2448	243.4	257.7	220.5	125.2	469.4	247.2	264.2	229.2	130.9	425.0	245.5	258.9	218.5	123.9	440.7	234.3	253.3	217.2	117.7
2449	243.1	257.5			469.4	247.1	264.0			425.0	245.4	258.8			440.7	234.1	253.2		
2450	243.0	257.4			469.4	246.8	263.8			425.0	245.2	258.5			440.7	233.9	253.0		
2451	242.7	257.2			469.2	246.7	263.6			425.0	245.1	258.3			440.7	233.8	252.9		
2452	242.6	257.1			469.2	246.5	263.4	228.9	130.9	424.9	244.9	258.3			440.7	233.6	252.6		
2453	242.3	256.8			469.4	246.4	263.2			424.9	244.7	258.0			440.7	233.5	252.5		
2454	242.2	256.7			469.4	246.2	263.0			424.9	244.4	257.8			440.7	233.2	252.3		
2455	242.1	256.5			469.4	246.1	262.9			424.9	244.3	257.7			440.7	233.1	252.2		
2456	241.9	256.3	219.9	125.4	469.3	245.9	262.6	228.4	131.1	424.8	244.2	257.6	217.9	124.1	440.6	232.9	251.9	216.5	117.8
2457	241.8	256.0			469.2	245.7	262.5			424.7	244.0	257.3			440.6	232.8	251.7		
2458	241.6	256.0			469.2	245.4	262.3			424.7	243.7	257.1			440.5	232.6	251.6		
2459	241.4	255.7			469.2	245.3	262.1			424.8	243.5	256.9			440.5	232.4	251.5		
2460	241.2	255.6			469.2	245.1	261.9	228.1	131.2	424.7	243.5	256.9			440.4	232.2	251.3		
2461	240.9	255.5			469.2	244.9	261.7			424.8	243.4	256.6			440.5	232.0	251.0		
2462	240.8	255.3			469.2	244.7	261.5			424.8	243.0	256.4			440.4	231.8	250.9		
2463	240.6	255.1			469.2	244.6	261.3			424.7	242.9	256.3			440.5	231.6	250.7		
2464	240.6	254.9	219.3	125.5	469.1	244.4	261.2	227.7	131.1	424.7	242.7	256.2	217.1	124.2	440.4	231.5	250.7	215.9	118.0
2465	240.3	254.8			469.1	244.3	261.1			424.7	242.5	256.0			440.5	231.3	250.5		
2466	240.2	254.6			469.1	244.2	260.8			424.7	242.4	255.7			440.5	231.2	250.3		
2467	240.0	254.5			469.1	243.9	260.7			424.7	242.1	255.6			440.5	231.0	250.2		
2468	239.8	254.1			469.2	243.7	260.4	227.3	131.1	424.7	242.0	255.4			440.4	230.8	249.9		
2469	239.6	253.9			469.1	243.6	260.3			424.7	241.9	255.2			440.5	230.6	249.7		
2470	239.6	253.8			469.1	243.4	260.1			424.7	241.7	254.9			440.4	230.6	249.6		
2471	239.4	253.6			469.1	243.2	260.0			424.7	241.4	254.7			440.5	230.4	249.4		
2472	239.2	253.5	218.5	125.6	469.1	243.1	259.9	227.0	131.4	424.6	241.3	254.6	216.4	124.2	440.5	230.1	249.2	215.1	118.1
2473	239.0	253.3			469.1	242.9	259.6			424.6	241.0	254.4			440.5	230.0	249.2		
2474	238.8	253.1			469.0	242.7	259.5			424.6	241.2	254.3			440.4	229.8	249.0		
2475	238.7	253.0			469.0	242.6	259.2			424.7	240.8	254.1			440.4	229.7	248.7		
2476	238.5	252.7			469.0	242.5	259.1	226.7	131.4	424.7	240.6	253.8			440.4	229.6	248.6		
2477	238.4	252.7			469.0	242.2	258.9			424.6	240.6	253.8			440.4	229.3	248.5		
2478	238.1	252.5			469.0	242.0	258.8			424.6	240.4	253.5			440.3	229.1	248.3		
2479	238.0	252.3			468.9	241.9	258.5			424.7	240.3	253.5			440.3	229.0	248.1		
2480	237.8	252.1	217.8	125.8	469.0	241.7	258.3	226.3	131.5	424.5	240.0	253.3	215.7	124.2	440.3	228.9	247.8	214.5	118.2
2481	237.7	252.0			469.0	241.6	258.2			424.6	239.9	253.0			440.4	228.8	247.8		
2482	237.6	251.8			469.0	241.3	258.0			424.5	239.6	252.8			440.4	228.5	247.6		
2483	237.3	251.7			468.9	241.0	257.8			424.6	239.4	252.7			440.3	228.3	247.4		
2484	237.2	251.4			468.9	240.8	257.6	225.8	131.5	424.5	239.2	252.4			440.3	228.2	247.3		
2485	237.0	251.3			469.0	240.8	257.4			424.6	239.2	252.4			440.3	228.0	247.1		
2486	236.8	251.2			469.0	240.6	257.2			424.5	238.9	252.2			440.2	227.9	246.9		
2487	236.6	251.0			468.9	240.5	257.2			424.5	238.8	251.9			440.3	227.8	246.8		
2488	236.5	250.8	217.3	126.0	468.8	240.3	257.0	225.6	131.6	424.5	238.5	251.9	215.0	124.5	440.3	227.6	246.6	213.6	118.3
2489	236.2	250.6			468.9	240.1	256.7			424.5	238.4	251.6			440.3	227.4	246.4		
2490	236.1	250.5			468.9	239.9	256.6			424.6	238.3	251.6			440.2	227.2	246.3		
2491	235.9	250.3			468.9	239.7	256.3			424.6	238.1	251.4			440.2	227.1	246.2		
2492	235.9	250.2			468.8	239.6	256.2	225.2	131.6	424.4	237.8	251.2			440.2	226.9	245.9		
2493	235.6	250.0			468.8	239.3	256.1			424.4	237.7	251.0			440.3	226.8	245.8		
2494	235.5	249.8			468.9	239.3	255.8			424.5	237.5	250.9			440.2	226.6	245.6		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2495	235.2	249.6			468.9	239.0	255.7			424.4	237.4	250.8			440.1	226.4	245.5		
2496	235.1	249.4	216.4	126.0	468.8	238.9	255.5	224.8	131.6	424.4	237.2	250.6	214.3	124.5	440.2	226.2	245.3	213.0	118.4
2497	235.0	249.3			468.8	238.7	255.3			424.5	236.9	250.4			440.2	226.0	245.2		
2498	234.8	249.1			468.8	238.6	255.2			424.5	236.8	250.2			440.2	225.9	244.9		
2499	234.6	248.9			468.8	238.4	255.1			424.5	236.6	250.0			440.2	225.7	244.8		
2500	234.4	248.9			468.8	238.2	254.9	224.4	131.7	424.4	236.5	249.8			440.2	225.7	244.7		
2501	234.4	248.7			468.8	238.1	254.7			424.5	236.4	249.6			440.2	225.4	244.5		
2502	234.2	248.6			468.8	237.9	254.5			424.5	236.2	249.5			440.2	225.2	244.4		
2503	234.1	248.2			468.8	237.8	254.3			424.5	236.0	249.4			440.2	225.2	244.2		
2504	233.9	248.0	215.7	126.2	468.8	237.6	254.3	224.1	131.7	424.4	235.8	249.2	213.6	124.5	440.2	225.0	244.1	212.2	118.5
2505	233.7	247.9			468.7	237.4	254.0			424.3	235.7	248.9			440.1	224.7	243.9		
2506	233.5	247.8			468.7	237.3	254.0			424.4	235.5	248.8			440.1	224.6	243.7		
2507	233.4	247.6			468.7	237.2	253.7			424.4	235.4	248.7			440.2	224.5	243.5		
2508	233.3	247.5			468.5	237.0	253.7	223.6	131.6	424.3	235.2	248.5			440.1	224.4	243.5		
2509	233.0	247.3			468.5	236.8	253.4			424.4	235.1	248.3			440.1	224.1	243.3		
2510	232.9	247.1			468.7	236.7	253.2			424.3	234.9	248.0			440.2	224.1	243.0		
2511	232.6	246.9			468.7	236.4	253.1			424.3	234.7	248.0			440.2	223.9	243.0		
2512	232.5	246.8	215.0	126.2	468.5	236.4	252.9	223.4	131.8	424.3	234.5	247.8	213.0	124.6	440.1	223.7	242.9	211.5	118.5
2513	232.3	246.7			468.7	236.1	252.8			424.3	234.4	247.5			440.1	223.5	242.7		
2514	232.2	246.4			468.7	236.1	252.6			424.3	234.2	247.5			440.0	223.4	242.5		
2515	232.0	246.2			468.5	235.9	252.5			424.3	234.0	247.4			440.1	223.3	242.3		
2516	231.9	246.1			468.7	235.8	252.3	223.0	131.8	424.3	233.8	247.2			440.2	223.2	242.2		
2517	231.8	246.0			468.5	235.5	252.1			424.2	233.7	247.0			440.0	223.0	242.1		
2518	231.6	245.8			468.5	235.3	251.9			424.3	233.6	246.7			440.0	222.8	241.9		
2519	231.4	245.7			468.5	235.1	251.8			424.4	233.5	246.7			440.1	222.7	241.7		
2520	231.2	245.5	214.4	126.3	468.7	234.9	251.5	222.7	131.8	424.3	233.2	246.5	212.2	124.7	440.0	222.6	241.5	210.9	118.7
2521	231.1	245.4			468.5	234.9	251.4			424.2	233.1	246.3			440.1	222.3	241.5		
2522	231.0	245.3			468.5	234.8	251.3			424.3	232.9	246.1			440.0	222.1	241.2		
2523	230.7	245.1			468.5	234.5	251.1			424.2	232.8	246.0			439.8	222.1	241.1		
2524	230.6	244.9			468.5	234.3	250.8	222.2	131.8	424.0	232.6	245.9			440.0	221.9	240.8		
2525	230.4	244.6			468.5	234.2	250.7			424.3	232.4	245.7			440.0	221.8	240.6		
2526	230.4	244.5			468.5	234.0	250.6			424.3	232.1	245.5			440.0	221.6	240.5		
2527	230.2	244.4			468.4	233.8	250.5			424.0	232.1	245.3			440.1	221.2	240.5		
2528	229.9	244.2	213.7	126.5	468.5	233.7	250.3	221.8	131.9	424.1	232.0	245.2	211.5	124.7	439.9	221.1	240.2	210.3	118.6
2529	229.9	244.0			468.4	233.6	250.1			424.1	231.8	245.0			440.1	221.1	240.0		
2530	229.8	244.0			468.4	233.4	249.9			424.1	231.6	244.9			439.9	220.9	239.9		
2531	229.5	243.8			468.5	233.2	249.7			424.1	231.5	244.7			439.8	220.6	239.8		
2532	229.3	243.6			468.4	233.0	249.6	221.5	131.9	424.1	231.3	244.6			439.8	220.6	239.7		
2533	229.1	243.4			468.4	232.9	249.3			424.1	231.2	244.4			439.9	220.4	239.4		
2534	229.1	243.3			468.4	232.8	249.2			424.1	231.0	244.2			439.9	220.3	239.3		
2535	228.9	243.2			468.3	232.5	249.1			424.0	230.8	244.1			439.8	220.2	239.1		
2536	228.8	242.9	213.1	126.5	468.5	232.4	248.9	221.1	131.8	424.1	230.7	243.9	210.7	124.7	439.8	220.0	239.0	209.6	118.7
2537	228.7	242.8			468.4	232.2	248.8			424.0	230.4	243.9			439.8	219.9	238.8		
2538	228.4	242.7			468.4	232.2	248.7			424.0	230.3	243.6			439.8	219.7	238.7		
2539	228.3	242.5			468.4	232.1	248.4			424.1	230.2	243.4			439.8	219.7	238.6		
2540	228.2	242.4			468.3	231.9	248.3	220.8	132.0	423.9	230.0	243.3			439.8	219.4	238.4		
2541	228.0	242.3			468.3	231.7	248.1			424.0	229.9	243.0			439.8	219.3	238.3		
2542	227.9	242.0			468.5	231.5	247.9			424.1	229.8	242.9			439.8	219.2	238.1		
2543	227.7	241.9			468.3	231.2	247.8			423.9	229.5	242.7			439.8	219.0	237.9		
2544	227.5	241.7	212.3	126.7	468.4	231.0	247.6	220.4	132.0	424.0	229.4	242.5	210.2	124.9	439.8	218.8	237.8	208.7	118.8
2545	227.4	241.5			468.4	230.9	247.5			424.0	229.2	242.4			439.8	218.7	237.6		
2546	227.3	241.3			468.3	230.9	247.4			423.9	229.1	242.2			439.7	218.5	237.6		
2547	226.9	241.2			468.5	230.7	247.1			423.9	228.9	242.0			439.7	218.3	237.3		
2548	226.8	241.1			468.3	230.6	247.0	219.9	132.1	423.9	228.8	241.8			439.6	218.2	237.3		
2549	226.8	240.9			468.4	230.5	246.8			423.9	228.6	241.8			439.7	218.1	237.0		
2550	226.7	240.7			468.3	230.3	246.7			423.9	228.4	241.7			439.8	217.9	237.0		
2551	226.4	240.6			468.3	230.1	246.5			424.0	228.3	241.4			439.7	217.8	236.8		
2552	226.3	240.4	211.7	126.6	468.3	230.0	246.4	219.6	132.0	423.8	228.1	241.3	209.4	124.9	439.7	217.7	236.5	208.0	118.8
2553	226.1	240.3			468.3	229.8	246.2			423.8	227.9	241.1			439.7	217.5	236.5		
2554	225.9	240.2			468.3	229.7	246.0			423.9	227.9	241.0			439.6	217.3	236.4		
2555	225.8	240.0			468.3	229.5	245.8			423.9	227.7	240.8			439.6	217.1	236.2		
2556	225.7	239.9			468.2	229.3	245.7	219.3	132.0	423.8	227.6	240.6			439.6	217.0	236.1		
2557	225.5	239.6			468.2	229.1	245.5			423.8	227.4	240.5			439.7	216.9	235.8		
2558	225.5	239.5			468.2	229.0	245.4			423.8	227.3	240.4			439.7	216.7	235.7		
2559	225.3	239.4			468.3	228.7	245.2			423.9	227.2	240.1			439.6	216.5	235.5		
2560	225.1	239.2	211.1	126.8	468.3	228.7	245.0	218.9	132.2	423.8	227.0	240.1	208.9	125.0	439.7	216.4	235.3	207.2	118.9
2561	225.0	239.1			468.1	228.5	244.9			423.8	226.8	239.9			439.6	216.3	235.3		
2562	224.8	238.9			468.2	228.5	244.8			423.8	226.6	239.8			439.6	216.2	235.0		
2563	224.7	238.9			468.1	228.3	244.7			423.7	226.5	239.5			439.6	216.0	234.9		
2564	224.5	238.7			468.1	228.1	244.4	218.5	132.0	423.7	226.3	239.5			439.7	215.9	234.8		
2565	224.4	238.4			468.2	228.0	244.3			423.8	226.2	239.4			439.7	215.7	234.6		
2566	224.3	238.4			468.1	227.8	244.1			423.7	226.1	239.1			439.6	215.5	234.5		
2567	224.2	238.2			468.2	227.8	243.9			423.8	225.9	239.1			439.6	215.5	234.3		
2568	223.9	238.1	210.4	126.7	468.0	227.6	243.9	218.2	132.0	423.8	225.8	238.9	208.2	124.9	439.6	215.3	234.1	206.8	119.0
2569	223.8	237.8			468.0	227.4	243.7			423.8	225.5	238.7			439.7	215.1	234.0		
2570	223.7	237.8			468.0	227.2	243.5			423.7	225.5	238.5			439.6	215.1	233.9		
2571	223.4	237.6			468.2	227.2	243.3			423.8	225.2	238.4			439.6	214.9	233.7		
2572	223.3	237.5			468.0	227.0	243.1	217.8	132.1	423.8	225.1	238.3			439.6	214.7	233.6		
2573	223.2	237.3			467.9	226.7	243.0			423.7	225.0	238.1			439.5	214.5	233.5		
2574	222.9	237.1			468.0	226.7	242.7			423.7	224.8	238.0			439.6	214.5	233.3		
2575	222.8	237.1			468.0	226.5	242.8			423.7	224.7	237.7			439.5	214.2	233.2		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2576	222.7	236.8	209.7	126.8	468.0	226.4	242.5	217.5	132.1	423.7	224.5	237.7	207.3	124.9	439.6	214.2	233.1	206.0	118.9
2577	222.6	236.8			467.9	226.2	242.4			423.7	224.4	237.5			439.6	214.0	232.9		
2578	222.5	236.5			467.9	225.9	242.2			423.7	224.1	237.4			439.7	213.8	232.8		
2579	222.3	236.4			467.9	225.8	242.1			423.8	224.1	237.1			439.7	213.7	232.6		
2580	222.2	236.2			468.0	225.7	241.9	217.1	132.1	423.7	223.9	237.0			439.7	213.5	232.4		
2581	221.9	235.9			468.0	225.5	241.8			423.7	223.9	236.8			439.6	213.4	232.3		
2582	221.9	235.8			467.9	225.4	241.6			423.6	223.5	236.6			439.7	213.4	232.2		
2583	221.6	235.7			468.0	225.2	241.5			423.7	223.4	236.5			439.7	213.2	232.1		
2584	221.6	235.6	209.0	126.9	467.9	225.0	241.4	216.7	132.0	423.7	223.3	236.4	206.7	125.0	439.7	213.1	231.9	205.3	119.0
2585	221.3	235.4			467.9	225.0	241.1			423.7	223.2	236.2			439.7	212.8	231.7		
2586	221.2	235.4			467.9	224.7	241.1			423.5	223.1	236.0			439.7	212.6	231.6		
2587	221.1	235.2			467.9	224.7	240.8			423.5	222.9	235.9			439.8	212.5	231.5		
2588	220.9	234.9			467.9	224.5	240.5	216.3	132.1	423.5	222.8	235.8			439.7	212.4	231.3		
2589	220.9	234.9			467.8	224.3	240.6			423.5	222.7	235.6			439.7	212.2	231.1		
2590	220.7	234.8			467.9	224.2	240.5			423.5	222.4	235.6			439.7	212.1	231.1		
2591	220.5	234.6			467.8	224.0	240.2			423.5	222.3	235.3			439.7	212.0	230.9		
2592	220.4	234.4	208.3	126.9	467.8	223.8	240.2	216.0	132.0	423.4	222.2	235.1	205.9	124.9	439.8	211.8	230.8	204.6	119.0
2593	220.3	234.2			467.9	223.8	239.9			423.5	222.0	235.0			439.8	211.7	230.5		
2594	220.2	234.2			467.7	223.5	239.7			423.4	221.9	234.8			439.8	211.6	230.5		
2595	220.0	233.9			467.8	223.4	239.6			423.4	221.7	234.8			439.7	211.5	230.3		
2596	219.8	233.8			467.7	223.2	239.4	215.6	132.1	423.4	221.6	234.6			439.9	211.2	230.1		
2597	219.7	233.7			467.7	223.2	239.3			423.4	221.3	234.4			439.9	211.2	230.0		
2598	219.6	233.5			467.8	223.0	239.2			423.4	221.3	234.3			440.0	211.1	229.8		
2599	219.4	233.5			467.8	222.8	239.1			423.5	221.1	234.2			439.8	210.9	229.7		
2600	219.3	233.2	207.6	127.0	467.9	222.7	238.8	215.3	132.1	423.5	220.9	234.0	205.4	125.0	439.9	210.8	229.5	204.0	118.9
2601	219.2	233.1			467.8	222.5	238.7			423.5	220.8	233.9			440.0	210.6	229.4		
2602	218.9	233.0			467.7	222.4	238.7			423.4	220.8	233.6			439.8	210.4	229.3		
2603	218.8	232.6			467.8	222.3	238.4			423.5	220.6	233.5			440.0	210.4	229.1		
2604	218.6	232.7			467.7	222.2	238.4	214.8	132.1	423.3	220.4	233.4			439.9	210.3	229.0		
2605	218.5	232.5			467.7	221.9	238.1			423.4	220.3	233.2			439.8	210.0	228.8		
2606	218.3	232.5			467.7	221.8	238.0			423.3	220.1	233.0			439.8	209.9	228.7		
2607	218.2	232.3			467.8	221.8	237.7			423.3	220.0	232.9			440.0	209.8	228.6		
2608	218.1	232.1	206.9	126.9	467.6	221.6	237.7	214.5	132.1	423.3	219.9	232.8	204.7	124.8	439.9	209.6	228.4	203.3	119.0
2609	218.0	231.9			467.7	221.4	237.5			423.3	219.7	232.6			439.9	209.5	228.3		
2610	217.8	231.9			467.7	221.2	237.3			423.4	219.6	232.4			439.8	209.3	228.1		
2611	217.7	231.7			467.7	221.2	237.3			423.3	219.4	232.3			439.8	209.2	228.0		
2612	217.6	231.7			467.7	220.9	237.1	214.1	132.0	423.3	219.3	232.2			439.8	209.0	227.8		
2613	217.4	231.4			467.7	220.8	236.9			423.3	219.1	232.1			439.9	208.9	227.7		
2614	217.3	231.2			467.6	220.7	236.9			423.3	219.0	231.9			439.8	208.7	227.6		
2615	217.1	231.1			467.6	220.5	236.6			423.3	219.0	231.8			439.8	208.6	227.4		
2616	217.0	230.9	206.4	127.0	467.7	220.4	236.6	213.8	132.1	423.3	218.8	231.6	204.0	124.9	439.8	208.5	227.3	202.7	119.1
2617	216.8	230.7			467.7	220.3	236.2			423.3	218.6	231.5			439.8	208.3	227.2		
2618	216.7	230.7			467.5	220.2	236.3			423.2	218.3	231.2			439.7	208.2	227.0		
2619	216.7	230.4			467.5	220.0	236.1			423.2	218.2	231.3			439.7	208.2	226.9		
2620	216.5	230.4			467.6	219.9	235.9	213.4	132.0	423.3	218.0	231.1			439.8	207.9	226.8		
2621	216.3	230.2			467.5	219.7	235.7			423.2	218.0	230.8			439.8	207.9	226.7		
2622	216.2	229.9			467.5	219.6	235.6			423.2	217.8	230.8			439.8	207.7	226.5		
2623	215.9	230.0			467.6	219.4	235.4			423.3	217.7	230.6			439.7	207.6	226.4		
2624	215.8	229.8	205.5	127.0	467.5	219.3	235.3	213.1	132.0	423.2	217.5	230.4	203.4	124.8	439.6	207.5	226.3	201.9	119.0
2625	215.7	229.6			467.5	219.2	235.2			423.2	217.4	230.3			439.7	207.3	226.1		
2626	215.5	229.4			467.5	219.0	235.0			423.1	217.2	230.2			439.7	207.2	225.9		
2627	215.3	229.4			467.6	218.9	234.9			423.3	217.1	230.0			439.7	207.1	225.7		
2628	215.3	229.2			467.5	218.7	234.7	212.8	132.0	423.2	217.0	229.9			439.7	206.8	225.7		
2629	215.1	229.1			467.4	218.7	234.6			423.3	216.8	229.7			439.6	206.8	225.3		
2630	215.0	229.0			467.4	218.4	234.5			423.2	216.6	229.5			439.6	206.7	225.3		
2631	214.9	228.8			467.5	218.4	234.4			423.2	216.5	229.5			439.7	206.5	225.2		
2632	214.8	228.7	204.9	127.0	467.4	218.2	234.2	212.4	132.0	423.1	216.4	229.3	202.6	124.7	439.7	206.4	225.0	201.3	119.1
2633	214.6	228.6			467.5	218.0	233.9			423.2	216.2	229.3			439.6	206.1	225.0		
2634	214.5	228.4			467.2	217.9	233.9			423.1	216.1	229.1			439.6	206.1	224.8		
2635	214.3	228.2			467.4	217.8	233.8			423.1	215.9	228.9			439.6	206.0	224.7		
2636	214.3	228.1			467.4	217.7	233.6	212.1	131.9	423.2	215.8	228.7			439.6	205.9	224.5		
2637	214.0	228.0			467.4	217.5	233.5			423.2	215.7	228.6			439.6	205.6	224.3		
2638	214.0	227.9			467.2	217.4	233.3			423.1	215.5	228.3			439.6	205.6	224.3		
2639	213.9	227.7			467.4	217.2	233.3			423.1	215.3	228.3			439.6	205.5	224.1		
2640	213.7	227.6	204.3	127.0	467.5	217.1	233.0	211.7	132.0	423.1	215.2	228.2	202.1	124.9	439.6	205.3	223.9	200.6	119.1
2641	213.5	227.4			467.4	216.9	232.8			423.1	215.1	228.1			439.6	205.1	223.8		
2642	213.4	227.4			467.3	216.7	232.7			423.1	215.0	227.8			439.6	205.0	223.7		
2643	213.4	227.1			467.3	216.7	232.6			423.0	214.9	227.8			439.6	205.0	223.6		
2644	213.1	227.1			467.1	216.5	232.5	211.3	132.0	423.1	214.8	227.5			439.5	204.7	223.5		
2645	213.1	226.8			467.3	216.4	232.3			423.1	214.5	227.5			439.6	204.7	223.3		
2646	212.9	226.6			467.3	216.3	232.2			423.0	214.4	227.2			439.6	204.5	223.1		
2647	212.8	226.5			467.3	216.0	231.9			423.1	214.4	227.1			439.5	204.3	223.0		
2648	212.7	226.5	203.8	127.1	467.3	215.9	231.9	210.8	131.8	423.1	214.2	226.9	201.3	124.8	439.5	204.2	222.9	200.0	119.1
2649	212.5	226.2			467.3	215.8	231.8			423.0	214.0	227.0			439.6	204.2	222.8		
2650	212.2	226.1			467.3	215.7	231.5			423.0	213.8	226.7			439.6	204.0	222.6		
2651	212.1	226.0			467.3	215.4	231.4			423.1	213.7	226.7			439.7	203.7	222.4		
2652	212.1	225.9			467.3	215.4	231.3	210.7	131.9	423.0	213.6	226.6			439.6	203.8	222.4		
2653	211.9	225.8			467.3	215.4	231.1			423.0	213.5	226.4			439.5	203.6	222.2		
2654	211.8	225.7			467.2	215.1	231.0			423.0	213.4	226.2			439.5	203.4	222.1		
2655	211.7	225.5			467.2	214.9	230.9			423.0	213.2	226.2			439.5	203.4	222.0		
2656	211.6	225.3	203.1	127.1	467.3	214.9	230.8	210.3	131.8	422.9	213.0	226.0	200.8	124.7	439.5	203.4	221.8	199.4	119.0

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2657	211.4	225.2			467.2	214.7	230.6			423.0	212.9	225.8			439.5	203.1	221.7		
2658	211.3	225.1			467.2	214.5	230.4			423.0	212.9	225.7			439.4	202.9	221.5		
2659	211.1	225.0			467.2	214.3	230.4			422.9	212.7	225.6			439.5	202.8	221.5		
2660	211.1	224.9			467.0	214.3	230.1	209.9	131.9	422.9	212.4	225.4			439.5	202.8	221.4		
2661	210.9	224.7			467.3	214.3	230.1			422.9	212.3	225.4			439.5	202.5	221.2		
2662	210.7	224.6			467.3	214.1	229.9			422.9	212.3	225.1			439.5	202.4	221.1		
2663	210.6	224.3			467.2	214.0	229.8			422.9	212.0	225.0			439.5	202.3	220.9		
2664	210.5	224.3	202.3	127.1	467.2	213.7	229.7	209.6	131.7	422.9	212.1	224.8	200.0	124.7	439.4	202.2	220.8	198.6	119.2
2665	210.4	224.2			467.2	213.7	229.5			422.9	211.8	224.6			439.4	202.2	220.7		
2666	210.2	223.9			467.2	213.5	229.3			422.9	211.7	224.5			439.5	201.9	220.4		
2667	210.1	223.9			467.0	213.3	229.3			422.9	211.6	224.4			439.5	201.9	220.4		
2668	210.0	223.8			467.2	213.2	229.1	209.2	131.8	422.9	211.5	224.3			439.4	201.7	220.3		
2669	209.8	223.6			467.2	213.1	229.0			422.9	211.4	224.2			439.3	201.6	220.2		
2670	209.7	223.5			467.2	213.0	228.8			422.9	211.2	223.9			439.4	201.5	220.1		
2671	209.7	223.2			467.0	212.9	228.7			422.8	211.1	223.8			439.5	201.4	219.9		
2672	209.4	223.1	201.7	126.9	467.2	212.7	228.6	208.9	131.8	422.9	211.0	223.7	199.4	124.8	439.4	201.2	219.8	198.1	119.0
2673	209.3	223.0			467.0	212.5	228.4			422.9	210.7	223.6			439.4	201.1	219.6		
2674	209.1	222.8			467.0	212.4	228.2			422.8	210.7	223.3			439.3	201.1	219.5		
2675	209.0	222.7			467.0	212.2	228.1			422.9	210.6	223.3			439.3	200.9	219.4		
2676	208.9	222.6			467.0	212.2	228.0	208.6	131.9	422.8	210.5	223.2			439.4	200.7	219.1		
2677	208.8	222.5			467.0	212.2	227.9			422.8	210.3	223.1			439.3	200.4	219.1		
2678	208.7	222.3			467.0	211.9	227.7			422.8	210.2	222.9			439.4	200.4	218.9		
2679	208.5	222.2			467.0	211.8	227.6			422.9	210.0	222.8			439.3	200.2	218.7		
2680	208.4	222.1	201.0	127.0	467.0	211.7	227.5	208.1	131.8	422.8	209.9	222.7	198.7	124.6	439.3	200.2	218.6	197.4	119.1
2681	208.2	221.8			467.0	211.5	227.3			422.8	209.8	222.5			439.2	199.9	218.5		
2682	208.2	221.8			466.9	211.3	227.2			422.8	209.7	222.4			439.3	199.9	218.5		
2683	208.1	221.8			467.0	211.2	227.0			422.8	209.5	222.2			439.4	199.8	218.2		
2684	208.0	221.5			466.9	211.1	226.9	207.9	131.8	422.7	209.4	222.1			439.2	199.7	218.2		
2685	207.7	221.4			466.9	210.9	226.7			422.7	209.3	222.0			439.3	199.6	218.0		
2686	207.7	221.4			466.9	210.9	226.7			422.7	209.1	221.9			439.3	199.5	217.9		
2687	207.6	221.2			466.9	210.7	226.5			422.7	209.0	221.7			439.2	199.2	217.8		
2688	207.5	221.1	200.5	126.9	467.0	210.6	226.4	207.5	131.7	422.8	208.9	221.7	198.2	124.5	439.3	199.3	217.7	196.8	119.0
2689	207.4	221.0			466.9	210.5	226.2			422.7	208.9	221.4			439.3	199.1	217.6		
2690	207.2	220.9			466.9	210.4	226.1			422.7	208.7	221.3			439.3	198.9	217.5		
2691	207.0	220.6			466.9	210.3	225.9			422.8	208.5	221.2			439.2	198.8	217.3		
2692	206.9	220.6			466.9	210.1	225.8	207.1	131.6	422.7	208.4	221.1			439.3	198.7	217.2		
2693	206.9	220.5			466.9	210.0	225.8			422.7	208.2	220.9			439.2	198.6	217.1		
2694	206.7	220.2			466.9	209.8	225.6			422.7	208.1	220.8			439.3	198.4	216.9		
2695	206.5	220.2			466.9	209.8	225.5			422.7	208.0	220.7			439.2	198.3	216.8		
2696	206.4	220.0	199.9	127.0	466.9	209.6	225.3	206.9	131.7	422.7	207.9	220.7	197.5	124.5	439.2	198.3	216.5	196.2	119.0
2697	206.4	219.9			467.1	209.5	225.1			422.7	207.7	220.4			439.2	198.1	216.5		
2698	206.2	219.8			466.9	209.3	225.0			422.7	207.6	220.1			439.2	197.9	216.3		
2699	206.0	219.6			466.9	209.2	224.8			422.7	207.5	220.1			439.2	197.8	216.2		
2700	205.9	219.6			466.9	209.1	224.8	206.5	131.7	422.7	207.3	219.9			439.2	197.7	216.1		
2701	205.8	219.3			466.8	209.0	224.6			422.7	207.3	219.8			439.2	197.7	215.9		
2702	205.8	219.2			466.9	208.9	224.6			422.6	207.2	219.6			439.1	197.6	215.9		
2703	205.4	219.1			466.9	208.7	224.4			422.4	207.0	219.6			439.1	197.5	215.7		
2704	205.3	218.9	199.1	126.9	466.7	208.5	224.3	206.2	131.7	422.5	207.0	219.4	196.7	124.5	439.0	197.3	215.7	195.5	118.9
2705	205.2	218.8			466.9	208.4	224.1			422.7	206.7	219.3			439.2	197.2	215.5		
2706	205.2	218.7			466.8	208.3	224.0			422.5	206.6	219.2			439.0	197.1	215.3		
2707	205.1	218.6			466.8	208.2	223.9			422.5	206.5	219.0			439.0	196.9	215.2		
2708	204.9	218.5			466.8	208.1	223.8	205.9	131.6	422.5	206.2	218.9			438.9	196.8	215.2		
2709	204.9	218.3			466.8	207.9	223.6			422.5	206.2	218.8			439.0	196.7	215.0		
2710	204.7	218.2			466.8	207.8	223.4			422.5	206.0	218.8			439.0	196.6	214.9		
2711	204.6	218.0			466.8	207.7	223.3			422.4	205.9	218.7			439.0	196.4	214.8		
2712	204.4	217.9	198.6	126.9	466.7	207.5	223.1	205.5	131.5	422.5	205.8	218.4	196.2	124.4	439.0	196.4	214.7	194.8	119.0
2713	204.3	217.8			466.8	207.4	223.0			422.5	205.7	218.3			439.2	196.2	214.5		
2714	204.2	217.7			466.8	207.2	222.9			422.4	205.5	218.2			439.0	196.1	214.4		
2715	204.1	217.6			466.8	207.1	222.8			422.5	205.5	218.1			438.9	195.9	214.3		
2716	203.9	217.5			466.7	206.9	222.6	205.3	131.5	422.4	205.3	217.9			438.9	195.8	214.2		
2717	203.7	217.3			466.8	206.8	222.5			422.4	205.2	217.7			438.9	195.7	214.0		
2718	203.8	217.2			466.8	206.7	222.4			422.4	204.9	217.8			438.9	195.7	213.8		
2719	203.6	217.2			466.8	206.6	222.4			422.4	204.7	217.5			438.8	195.5	213.8		
2720	203.5	217.0	197.9	126.9	466.7	206.4	222.1	204.8	131.5	422.5	204.7	217.4	195.7	124.4	438.8	195.4	213.6	194.3	118.9
2721	203.4	216.8			466.7	206.4	221.9			422.4	204.6	217.3			439.0	195.2	213.5		
2722	203.3	216.6			466.7	206.1	221.9			422.4	204.4	217.2			438.9	195.1	213.4		
2723	203.1	216.6			466.7	206.1	221.8			422.4	204.3	216.9			438.9	195.0	213.3		
2724	203.1	216.4			466.8	206.0	221.6	204.4	131.5	422.4	204.1	216.9			438.9	194.9	213.2		
2725	203.0	216.4			466.7	205.7	221.4			422.4	204.1	216.7			438.8	194.8	213.1		
2726	202.8	216.3			466.7	205.5	221.2			422.4	204.0	216.5			438.9	194.6	212.9		
2727	202.7	216.0			466.8	205.4	221.2			422.3	203.8	216.5			438.9	194.6	212.7		
2728	202.5	216.0	197.3	126.8	466.6	205.2	221.0	204.2	131.4	422.3	203.7	216.3	194.9	124.3	438.8	194.5	212.7	193.6	118.9
2729	202.4	215.9			466.8	205.2	220.9			422.4	203.6	216.2			438.9	194.3	212.5		
2730	202.4	215.7			466.7	205.2	220.8			422.3	203.3	216.1			438.8	194.2	212.4		
2731	202.1	215.6			466.7	205.0	220.6			422.4	203.3	215.9			438.8	194.0	212.2		
2732	202.0	215.3			466.6	204.8	220.5	203.7	131.4	422.3	203.2	215.9			438.9	194.0	212.0		
2733	201.9	215.3			466.6	204.7	220.4			422.3	203.1	215.6			438.8	193.9	212.1		
2734	201.8	215.2			466.6	204.6	220.3			422.4	202.9	215.6			438.9	193.8	211.9		
2735	201.6	215.0			466.7	204.3	220.1			422.2	202.7	215.4			438.8	193.5	211.8		
2736	201.6	214.9	196.7	126.8	466.7	204.4	219.9	203.5	131.4	422.2	202.5	215.4	194.3	124.3	438.7	193.6	211.6	192.7	118.9
2737	201.5	214.8			466.6	204.2	219.9			422.3	202.5	215.3			438.8	193.5	211.6		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2738	201.4	214.8			466.6	204.0	219.8			422.2	202.4	215.1			438.8	193.2	211.4		
2739	201.2	214.6			466.7	204.0	219.5			422.2	202.3	215.0			438.8	193.1	211.3		
2740	201.1	214.5			466.6	203.8	219.5	203.1	131.3	422.3	202.1	214.9			438.8	193.0	211.3		
2741	201.0	214.3			466.4	203.6	219.3			422.3	202.0	214.8			438.8	192.9	211.1		
2742	201.0	214.1			466.7	203.5	219.2			422.2	201.8	214.6			438.7	192.8	211.0		
2743	200.8	214.1			466.4	203.4	219.0			422.2	201.8	214.5			438.8	192.8	210.8		
2744	200.6	214.0	196.1	126.8	466.6	203.3	219.0	202.8	131.2	422.2	201.6	214.4	193.7	124.1	438.7	192.5	210.6	192.2	118.8
2745	200.7	213.9			466.4	203.1	218.8			422.3	201.5	214.2			438.8	192.4	210.6		
2746	200.4	213.7			466.6	203.0	218.7			422.2	201.3	214.1			438.7	192.4	210.4		
2747	200.3	213.7			466.4	202.9	218.5			422.2	201.3	214.0			438.7	192.3	210.3		
2748	200.2	213.5			466.3	202.7	218.4	202.4	131.2	422.2	201.0	213.8			438.7	192.1	210.2		
2749	200.2	213.5			466.6	202.7	218.3			422.3	201.0	213.7			438.7	192.0	210.1		
2750	200.0	213.2			466.4	202.5	218.1			422.1	200.7	213.6			438.7	191.9	209.9		
2751	199.9	213.2			466.3	202.3	218.0			422.2	200.7	213.5			438.8	191.9	209.8		
2752	199.8	213.1	195.5	126.6	466.6	202.2	218.0	202.1	131.1	422.2	200.6	213.4	193.0	124.1	438.7	191.8	209.5	191.6	118.6
2753	199.7	212.8			466.6	202.1	217.8			422.1	200.4	213.0			438.7	191.6	209.6		
2754	199.6	212.8			466.5	201.9	217.6			422.2	200.3	213.0			438.7	191.5	209.5		
2755	199.5	212.7			466.5	201.8	217.5			422.1	200.2	212.9			438.7	191.4	209.3		
2756	199.3	212.6			466.3	201.7	217.4	201.8	131.2	422.1	200.1	212.7			438.7	191.3	209.2		
2757	199.2	212.5			466.3	201.5	217.4			422.2	200.0	212.7			438.7	191.2	209.2		
2758	199.1	212.3			466.5	201.4	217.0			422.0	199.7	212.5			438.7	191.0	209.0		
2759	199.1	212.2			466.3	201.3	217.1			422.2	199.7	212.5			438.7	191.0	208.9		
2760	199.0	212.0	195.1	126.7	466.2	201.1	216.9	201.4	131.0	422.1	199.3	212.2	192.4	124.0	438.6	190.8	208.8	191.0	118.7
2761	198.8	212.0			466.3	201.0	216.9			421.9	199.4	212.2			438.4	190.8	208.7		
2762	198.8	211.9			466.2	200.9	216.7			422.1	199.3	212.0			438.6	190.7	208.6		
2763	198.6	211.7			466.3	200.8	216.6			422.2	199.1	211.8			438.6	190.6	208.5		
2764	198.5	211.6			466.3	200.6	216.3	201.2	131.0	421.9	199.0	211.8			438.6	190.4	208.3		
2765	198.4	211.4			466.3	200.5	216.3			421.9	198.9	211.7			438.6	190.3	208.2		
2766	198.3	211.3			466.3	200.4	216.2			421.9	198.8	211.6			438.6	190.2	208.1		
2767	198.3	211.3			466.3	200.2	216.1			422.1	198.7	211.5			438.6	190.2	207.9		
2768	198.1	211.3	194.2	126.6	466.3	200.0	215.9	200.8	131.0	422.1	198.4	211.2	191.9	123.9	438.4	190.1	207.9	190.4	118.7
2769	198.0	211.1			466.2	200.0	215.8			422.1	198.3	211.1			438.6	189.9	207.8		
2770	197.8	211.0			466.2	199.8	215.6			421.9	198.2	211.0			438.6	189.7	207.7		
2771	197.8	210.9			466.2	199.7	215.4			421.9	198.2	210.9			438.6	189.7	207.5		
2772	197.7	210.6			466.3	199.5	215.3	200.5	130.9	421.9	197.9	210.9			438.6	189.5	207.4		
2773	197.6	210.7			466.2	199.5	215.2			421.9	197.7	210.6			438.6	189.4	207.3		
2774	197.5	210.5			466.3	199.4	215.1			421.9	197.7	210.6			438.4	189.3	207.1		
2775	197.3	210.2			466.3	199.2	215.2			421.9	197.6	210.4			438.6	189.2	207.2		
2776	197.1	210.3	193.7	126.5	466.1	199.0	214.9	200.2	130.8	422.1	197.4	210.3	191.1	123.8	438.6	189.1	207.0	189.8	118.6
2777	197.0	210.1			466.2	198.9	214.7			421.9	197.3	210.0			438.4	189.0	206.7		
2778	196.9	210.0			466.2	198.9	214.6			421.9	197.1	210.0			438.4	188.9	206.6		
2779	196.8	209.8			466.2	198.7	214.4			421.8	197.0	209.9			438.4	188.8	206.6		
2780	196.8	209.7			466.2	198.6	214.5	199.8	130.8	421.9	196.9	209.7			438.6	188.8	206.4		
2781	196.7	209.6			466.2	198.5	214.3			421.8	196.8	209.6			438.4	188.6	206.2		
2782	196.6	209.5			466.1	198.4	214.2			421.9	196.7	209.5			438.4	188.5	206.2		
2783	196.5	209.4			466.1	198.1	214.1			421.8	196.6	209.3			438.6	188.5	206.0		
2784	196.3	209.2	193.0	126.5	466.1	197.9	213.8	199.4	130.8	422.0	196.4	209.2	190.6	123.7	438.6	188.3	205.9	189.1	118.4
2785	196.3	209.2			466.1	197.9	213.8			422.0	196.4	209.1			438.3	188.2	205.9		
2786	196.2	209.1			466.1	197.6	213.6			421.8	196.1	208.9			438.5	188.2	205.8		
2787	195.9	209.0			466.1	197.5	213.6			421.8	196.0	208.9			438.5	188.0	205.7		
2788	195.9	208.8			466.1	197.5	213.4	199.1	130.7	422.0	196.0	208.8			438.6	187.9	205.5		
2789	195.9	208.7			466.1	197.3	213.2			422.0	195.8	208.6			438.5	187.8	205.3		
2790	195.8	208.5			466.1	197.2	213.1			421.8	195.7	208.6			438.3	187.7	205.3		
2791	195.7	208.5			466.0	197.0	212.9			421.8	195.5	208.4			438.5	187.6	205.3		
2792	195.5	208.3	192.5	126.3	466.1	196.9	212.8	198.8	130.7	421.8	195.3	208.2	190.0	123.6	438.4	187.5	205.0	188.4	118.5
2793	195.4	208.3			466.1	196.8	212.7			421.8	195.2	208.2			438.3	187.3	204.9		
2794	195.3	208.1			466.1	196.7	212.5			421.8	195.1	208.1			438.4	187.4	204.9		
2795	195.3	208.1			466.0	196.5	212.4			421.9	195.1	207.9			438.3	187.2	204.7		
2796	195.1	207.9			466.1	196.6	212.3	198.4	130.5	421.8	195.0	207.9			438.3	187.2	204.6		
2797	194.9	207.9			466.1	196.3	212.1			421.8	194.9	207.6			438.3	186.9	204.5		
2798	194.9	207.7			466.1	196.2	211.9			421.7	194.7	207.5			438.4	186.9	204.4		
2799	194.8	207.5			466.1	196.1	211.8			421.7	194.6	207.4			438.3	186.8	204.4		
2800	194.8	207.5	191.9	126.3	466.1	195.9	211.8	198.3	130.4	421.8	194.4	207.3	189.4	123.5	438.3	186.8	204.2	187.9	118.4
2801	194.6	207.3			466.1	195.8	211.6			421.7	194.2	207.1			438.2	186.6	204.1		
2802	194.5	207.3			466.1	195.6	211.4			421.7	194.1	207.0			438.3	186.3	203.9		
2803	194.5	207.1			466.1	195.6	211.3			421.7	194.0	207.0			438.3	186.5	203.8		
2804	194.3	207.0			466.1	195.5	211.2	197.7	130.4	421.7	193.9	206.8			438.2	186.2	203.8		
2805	194.3	206.9			466.1	195.4	211.2			421.7	193.8	206.8			438.2	186.2	203.6		
2806	194.1	206.8			466.0	195.2	211.1			421.7	193.8	206.6			438.3	186.1	203.6		
2807	193.9	206.7			466.1	195.1	210.9			421.6	193.4	206.5			438.2	185.9	203.3		
2808	193.9	206.6	191.4	126.2	466.0	195.0	210.8	197.5	130.3	421.7	193.5	206.3	188.7	123.4	438.3	185.9	203.4	187.3	118.2
2809	193.8	206.5			466.0	194.7	210.7			421.7	193.3	206.2			438.1	185.7	203.1		
2810	193.6	206.4			466.1	194.7	210.5			421.6	193.2	206.0			438.2	185.6	203.2		
2811	193.5	206.1			466.0	194.7	210.4			421.7	193.1	205.9			438.1	185.6	203.1		
2812	193.3	206.0			466.1	194.5	210.2	197.2	130.3	421.6	192.9	205.9			438.2	185.5	202.7		
2813	193.3	206.0			465.9	194.3	210.2			421.7	192.8	205.6			438.2	185.4	202.7		
2814	193.2	205.9			465.9	194.2	210.1			421.6	192.7	205.6			438.2	185.3	202.6		
2815	193.2	205.8			466.0	193.9	210.0			421.6	192.5	205.1			438.2	185.1	202.4		
2816	192.8	205.8	190.7	126.1	466.1	194.0	209.7	196.7	130.3	421.7	192.5	205.2	188.1	123.3	438.3	185.0	202.3	186.7	118.1
2817	192.8	205.4			466.0	193.8	209.6			421.6	192.3	205.1			438.2	184.9	202.2		
2818	192.8	205.4			466.0	193.7	209.5			421.6	192.2	205.0			438.2	184.8	202.1		

	MISP Plug T1					MISP Plug T2					MISP Plug T3					MISP Plug T4 (No HEAT)			
	TC#01	TC#02	TC#04	TC#05	HEAT#1	TC#13	TC#14	TC#18	TC#24	HEAT#4	TC#15	TC#19	TC#16	TC#17	HEAT#5	TC#07	TC#08	TC#10	TC#11
	TC1	TC2	TC3	TC4	HEAT1	TC1	TC2	TC3	TC4	HEAT2	TC1	TC2	TC3	TC4	HEAT3	TC1	TC2	TC3	TC4
n	0	12183	36550	548733	4122	2061	14244	312978	439009	40672	26428	3091	288611	800795	52856	1030	13214	162580	674764
2819	192.8	205.4			465.9	193.6	209.5			421.6	192.0	205.0			438.2	184.7	202.1		
2820	192.6	205.2			466.0	193.5	209.2	196.4	130.1	421.5	191.8	204.8			438.2	184.6	201.9		
2821	192.5	205.1			466.0	193.3	209.2			421.6	191.9	204.7			438.2	184.6	201.9		
2822	192.4	205.0			465.9	193.3	209.0			421.6	191.7	204.5			438.2	184.4	201.7		
2823	192.3	204.8			466.0	193.2	208.8			421.5	191.4	204.4			438.2	184.3	201.6		
2824	192.2	204.7	190.0	126.1	465.9	192.9	208.8	196.1	130.1	421.6	191.4	204.2	187.5	123.2	438.2	184.4	201.5	186.1	118.1
2825	192.1	204.6			466.0	192.8	208.6			421.6	191.3	204.2			438.1	184.1	201.3		
2826	192.0	204.6			465.9	192.8	208.6			421.6	191.1	204.1			438.2	184.0	201.3		
2827	191.8	204.4			466.0	192.6	208.4			421.5	191.0	204.0			438.2	183.9	201.1		
2828	191.7	204.3			465.9	192.4	208.3	195.9	130.1	421.4	190.9	203.9			438.0	183.8	201.0		
2829	191.6	204.2			465.9	192.3	208.1			421.5	190.8	203.7			438.1	183.7	200.9		
2830	191.7	204.2			465.9	192.2	208.0			421.5	190.7	203.6			438.1	183.7	200.8		
2831	191.5	204.1			465.9	192.2	208.0			421.6	190.6	203.6			438.0	183.6	200.6		
2832	191.5	203.8	189.5	126.0	465.7	192.0	207.9	195.4	130.0	421.5	190.5	203.4	186.8	123.0	437.9	183.5	200.6	185.4	118.1
2833	191.3	203.7			465.7	192.0	207.7			421.3	190.3	203.3			437.9	183.4	200.5		
2834	191.2	203.6			465.7	191.8	207.6			421.5	190.2	203.1			437.9	183.3	200.4		
2835	191.1	203.5			465.7	191.7	207.4			421.3	190.0	203.1			438.1	183.1	200.2		
2836	191.1	203.4			465.6	191.6	207.2	195.2	130.0	421.3	190.0	202.9			437.9	183.0	200.2		
2837	191.0	203.4			465.6	191.4	207.2			421.3	189.9	202.7			437.9	183.0	200.0		
2838	190.9	203.3			465.6	191.4	207.2			421.5	189.8	202.8			438.1	182.9	200.1		
2839	190.7	203.2			465.6	191.3	206.9			421.5	189.7	202.6			437.9	182.9	200.0		
2840	190.6	203.0	188.8	125.9	465.6	191.0	206.9	194.9	129.9	421.5	189.6	202.5	186.2	122.8	437.9	182.8	199.9	184.9	117.8
2841	190.5	202.9			465.6	190.9	206.8			421.5	189.4	202.4			437.9	182.6	199.7		
2842	190.4	202.8			465.7	190.8	206.7			421.3	189.2	202.2			437.9	182.5	199.5		
2843	190.4	202.9			465.8	190.7	206.5			421.3	189.1	202.0			437.8	182.4	199.4		
2844	190.1	202.6			465.6	190.6	206.4	194.5	129.8	421.3	189.1	202.0			437.9	182.4	199.4		
2845	189.9	202.4			465.6	190.5	206.2			421.2	188.9	201.8			437.8	182.1	199.3		
2846	190.0	202.3			465.6	190.3	206.1			421.3	188.8	201.6			437.8	182.0	199.0		
2847	189.8	202.3			465.6	190.2	206.0			421.3	188.8	201.5			437.8	181.9	199.0		
2848	189.7	202.2	188.3	125.7	465.5	190.2	205.9	194.2	129.8	421.2	188.5	201.5	185.8	122.9	437.8	181.9	198.8	184.5	117.9
2849	189.7	202.1			465.5	190.0	205.8			421.2	188.6	201.4			437.7	181.7	198.8		
2850	189.6	202.0			465.6	190.0	205.7			421.2	188.6	201.3			437.8	181.7	198.8		
2851	189.5	201.9			465.6	189.8	205.6			421.3	188.4	201.2			437.8	181.6	198.6		
2852	189.3	201.8			465.6	189.9	205.5	194.0	129.7	421.5	188.3	201.2			437.8	181.6	198.6		
2853	189.4	201.8			465.5	189.7	205.4			421.2	188.0	200.9			437.8	181.4	198.5		
2854	189.3	201.7			465.6	189.5	205.2			421.1	188.0	200.9			437.7	181.4	198.3		
2855	189.2	201.4			465.6	189.4	205.2			421.2	187.9	200.8			437.7	181.4	198.2		
2856	189.2	201.4	187.7	125.6	465.6	189.3	205.0	193.6	129.7	421.3	187.8	200.7	185.1	122.8	437.8	181.2	198.3	183.7	117.7
2857	188.9	201.3			465.6	189.2	204.9			421.2	187.6	200.5			437.7	181.1	198.0		
2858	188.9	201.2			465.5	189.2	204.8			421.2	187.5	200.4			437.7	180.9	197.9		
2859	188.7	201.1			465.4	188.8	204.5			421.2	187.4	200.3			437.7	180.9	197.9		
2860	188.7	201.1			465.5	188.9	204.6	193.2	129.5	421.2	187.4	200.2			437.6	180.8	197.8		
2861	188.6	200.9			465.4	188.8	204.6			421.3	187.2	200.1			437.7	180.7	197.6		
2862	188.5	200.7			465.5	188.6	204.4			421.2	187.2	200.1			437.7	180.6	197.6		
2863	188.4	200.7			465.5	188.5	204.3			421.2	187.1	199.9			437.6	180.5	197.5		
2864	188.3	200.6	186.9	125.6	465.5	188.5	204.0	193.0	129.4	421.1	187.0	199.8	184.6	122.4	437.6	180.4	197.3	183.1	117.7
2865	188.2	200.5			465.5	188.3	204.0			421.1	186.8	199.8			437.6	180.3	197.2		
2866	188.2	200.4			465.5	188.2	203.7			421.1	186.7	199.7			437.6	180.3	197.2		
2867	188.2	200.3			465.6	188.1	203.7			421.1	186.7	199.6			437.6	180.2	197.1		
2868	187.9	200.3			465.4	188.0	203.6	192.7	129.3	421.1	186.5	199.3			437.6	180.1	196.9		
2869	187.8	200.2			465.4	187.9	203.5			421.0	186.4	199.1			437.5	180.0	196.8		
2870	187.8	200.1			465.5	187.8	203.3			421.0	186.3	199.1			437.6	179.8	196.8		
2871	187.6	200.0			465.4	187.7	203.3			421.0	186.3	199.0			437.6	179.9	196.7		
2872	187.5	199.8	186.5	125.6	465.4	187.6	203.1	192.4	129.3	421.0	186.1	199.0	184.0	122.5	437.6	179.7	196.7	182.5	117.6
2873	187.5	199.8			465.4	187.5	203.1			421.0	186.1	198.8			437.7	179.7	196.5		
2874	187.4	199.7			465.4	187.4	202.9			421.1	185.9	198.7			437.5	179.6	196.5		
2875	187.4	199.6			465.4	187.3	202.8			421.0	185.9	198.6			437.6	179.4	196.3		
2876	187.4	199.6			465.4	187.2	202.7	192.0	129.3	421.0	185.7	198.5			437.5	179.4	196.2		
2877	187.1	199.4			465.4	187.1	202.6			421.0	185.6	198.3			437.5	179.3	196.2		
2878	187.1	199.3			465.3	186.9	202.5			421.1	185.4	198.3			437.5	179.2	196.1		
2879	186.9	199.2			465.3	186.8	202.3			421.0	185.4	198.0			437.5	179.1	195.9		
2880	186.9	199.1	186.0	125.5	465.4	186.7	202.2	191.7	129.1	421.0	185.3	198.0	183.4	122.3	437.5	179.0	195.8	182.0	117.3
2881	186.8	199.1			465.4	186.6	202.1			421.1	185.2	197.9			437.5	179.0	195.7		
2882	186.5	198.8			465.5	186.6	202.0			420.9	185.1	197.8			437.6	178.9	195.6		
2883	186.4	198.6			465.4	186.5	202.0			421.1	185.1	197.7			437.5	178.8	195.5		
2884	186.4	198.6			465.3	186.4	201.8	191.4	129.2	420.9	184.9	197.6			437.5	178.7	195.5		
2885	186.3	198.5			465.3	186.2	201.7			421.0	184.9	197.4			437.6	178.6	195.4		
2886	186.2	198.4			465.4	186.2	201.6			421.0	184.7	197.4			437.6	178.6	195.3		
2887	186.2	198.4			465.3	186.1	201.5			421.0	184.7	197.4			437.5	178.7	195.3		
2888	186.1	198.3	185.5	125.2	465.4	186.0	201.4	191.2	129.0	421.0	184.6	197.2	182.8		437.5	178.4	195.0	181.3	
2889	186.0	198.2			465.1	185.8	201.4			421.0	184.4	197.1			437.5	178.3	195.0		
2890	185.9	198.2			465.3	185.8	201.1			421.0	184.3	196.9			437.5	178.2	194.8		
2891	185.8	198.0			465.3	185.7	201.1			421.0	184.2	197.0			437.6	178.0	194.7		
2892	185.8	198.0			465.3	185.5	200.9			420.9	184.0	196.7			437.4	177.8	194.6		

Appendix B

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
0	-78.1	-78.7	1031.6	-88.8	-89.6	-91.2	-91.5	1017.9	-81.3	-81.6	1034.3	0	0	0	0	0	0	0
1	-78.0	-79.0	1031.6	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
2	-78.0	-78.9	1031.5	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
3	-78.1	-78.9	1031.7	-88.8	-89.5			1018.0			1034.2	0	0	0	0	0	0	0
4	-78.0	-78.9	1031.6	-88.9	-89.5			1017.9	-81.3	-81.5	1034.3	0	0	0	0	0	0	0
5	-78.0	-78.9	1031.6	-88.8	-89.6			1017.9			1034.2	0	0	0	0	0	0	0
6	-77.9	-78.9	1031.7	-88.8	-89.5			1018.0			1034.3	0	0	0	0	0	0	0
7	-78.0	-79.0	1031.6	-88.8	-89.5			1017.9			1034.2	0	0	0	0	0	0	0
8	-78.0	-78.9	1031.5	-88.8	-89.5	-91.0	-91.7	1018.0	-81.4	-81.4	1034.0	0	0	0	0	0	0	0
9	-78.0	-78.8	1031.6	-88.8	-89.5			1018.0			1034.2	0	0	0	0	0	0	0
10	-78.0	-78.8	1031.7	-88.9	-89.5			1017.9			1034.2	0	0	0	0	0	0	0
11	-78.1	-78.8	1031.5	-88.8	-89.5			1017.9			1034.0	0	0	0	0	0	0	0
12	-78.2	-78.8	1031.6	-88.8	-89.5			1017.9	-81.1	-81.5	1034.2	0	0	0	0	0	0	0
13	-78.0	-79.0	1031.7	-88.8	-89.5			1018.0			1034.2	0	0	0	0	0	0	0
14	-78.0	-79.0	1031.7	-88.8	-89.5			1017.9			1034.0	0	0	0	0	0	0	0
15	-78.0	-78.8	1031.6	-88.8	-89.5			1017.9			1034.2	0	0	0	0	0	0	0
16	-77.7	-78.8	1031.6	-88.8	-89.6	-91.1	-91.5	1017.9	-81.1	-81.5	1034.2	0	0	0	0	0	0	0
17	-78.0	-78.9	1031.6	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
18	-78.0	-78.9	1031.7	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
19	-78.0	-78.9	1031.6	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
20	-78.0	-78.9	1031.6	-88.8	-89.4			1017.9	-81.3	-81.4	1034.2	0	0	0	0	0	0	0
21	-78.0	-78.9	1031.6	-88.9	-89.6			1018.0			1034.2	0	0	0	0	0	0	0
22	-78.0	-78.9	1031.6	-88.8	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
23	-78.0	-78.9	1031.7	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
24	-78.0	-78.8	1031.6	-88.8	-89.4	-91.0	-91.5	1017.9	-81.4	-81.4	1034.2	0	0	0	0	0	0	0
25	-78.0	-78.8	1031.6	-88.8	-89.6			1017.9			1034.2	0	0	0	0	0	0	0
26	-78.0	-78.7	1031.7	-88.8	-89.6			1017.9			1034.2	0	0	0	0	0	0	0
27	-78.1	-78.8	1031.6	-88.8	-89.4			1017.9			1034.3	0	0	0	0	0	0	0
28	-78.0	-79.0	1031.6	-88.8	-89.4			1017.9	-81.3	-81.5	1034.2	0	0	0	0	0	0	0
29	-77.9	-78.8	1031.6	-88.8	-89.6			1017.9			1034.2	0	0	0	0	0	0	0
30	-77.9	-78.7	1031.7	-88.8	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
31	-78.1	-78.8	1031.6	-88.5	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
32	-78.1	-78.8	1031.6	-88.9	-89.4	-91.0	-91.7	1017.9	-81.1	-81.5	1034.2	0	0	0	0	0	0	0
33	-78.1	-78.8	1031.7	-88.8	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
34	-78.0	-78.8	1031.6	-88.7	-89.3			1017.9			1034.1	0	0	0	0	0	0	0
35	-78.0	-78.8	1031.6	-88.7	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
36	-78.0	-78.8	1031.6	-88.8	-89.4			1017.9	-81.3	-81.5	1034.3	0	0	0	0	0	0	0
37	-78.0	-78.8	1031.5	-88.8	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
38	-78.0	-78.7	1031.6	-88.8	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
39	-78.0	-79.0	1031.7	-88.9	-89.6			1017.9			1034.3	0	0	0	0	0	0	0
40	-78.0	-78.8	1031.8	-88.7	-89.3	-91.0	-91.5	1017.9	-81.3	-81.5	1034.2	0	0	0	0	0	0	0
41	-78.0	-78.7	1031.6	-88.8	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
42	-77.9	-78.8	1031.6	-88.8	-89.4			1017.9			1034.3	0	0	0	0	0	0	0
43	-77.9	-78.8	1031.8	-88.6	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
44	-78.0	-79.0	1031.8	-88.6	-89.4			1017.9	-81.3	-81.3	1034.3	0	0	0	0	0	0	0
45	-78.0	-78.8	1031.6	-88.6	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
46	-78.0	-78.7	1031.6	-88.9	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
47	-77.9	-78.8	1031.8	-88.8	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
48	-78.0	-78.8	1031.6	-88.6	-89.4	-91.1	-91.5	1017.9	-81.3	-81.5	1034.1	0	0	0	0	0	0	0
49	-77.9	-78.7	1031.8	-88.8	-89.4			1018.0			1034.3	0	0	0	0	0	0	0
50	-78.0	-78.8	1031.6	-88.6	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
51	-78.0	-78.7	1031.6	-88.7	-89.5			1017.9			1034.3	0	0	0	0	0	0	0
52	-78.0	-78.7	1031.6	-88.7	-89.1			1018.0	-81.3	-81.3	1034.2	0	0	0	0	0	0	0
53	-78.1	-78.8	1031.6	-88.7	-89.3			1017.9			1034.1	0	0	0	0	0	0	0
54	-78.0	-78.7	1031.6	-88.7	-89.4			1018.0			1034.2	0	0	0	0	0	0	0
55	-77.9	-78.8	1031.8	-88.7	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
56	-77.9	-78.8	1031.6	-88.6	-89.4	-91.1	-91.5	1017.9	-81.3	-81.3	1034.2	0	0	0	0	0	0	0
57	-78.0	-78.8	1031.8	-88.7	-89.4			1017.9			1034.3	0	0	0	0	0	0	0
58	-78.0	-78.9	1031.8	-88.6	-89.1			1018.0			1034.1	0	0	0	0	0	0	0
59	-78.0	-78.7	1031.8	-88.8	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
60	-78.0	-78.8	1031.6	-88.8	-89.4			1017.9	-81.3	-81.5	1034.2	0	0	0	0	0	0	0
61	-77.9	-78.7	1031.8	-88.8	-89.4			1017.9			1034.2	0	0	0	0	0	0	0
62	-78.0	-78.8	1031.8	-88.5	-89.4			1017.9			1034.3	0	0	0	0	0	0	0
63	-78.0	-78.7	1031.6	-88.6	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
64	-78.0	-78.7	1031.8	-88.6	-89.3	-91.0	-91.4	1017.9	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
65	-78.0	-78.7	1031.7	-88.6	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
66	-78.0	-78.7	1031.8	-88.8	-89.4			1018.1			1034.3	0	0	0	0	0	0	0
67	-77.9	-78.8	1031.7	-88.6	-89.3			1018.1			1034.3	0	0	0	0	0	0	0
68	-77.9	-78.7	1031.8	-88.7	-89.3			1018.1	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
69	-77.9	-78.7	1031.7	-88.6	-89.1			1018.1			1034.3	0	0	0	0	0	0	0
70	-77.9	-78.7	1031.5	-88.6	-89.3			1018.1			1034.2	0	0	0	0	0	0	0
71	-78.0	-78.7	1031.7	-88.7	-89.4			1018.1			1034.3	0	0	0	0	0	0	0
72	-77.8	-78.8	1031.7	-88.6	-89.3	-91.0	-91.4	1017.9	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
73	-78.0	-78.7	1031.7	-88.7	-89.4			1018.1			1034.3	0	0	0	0	0	0	0
74	-78.0	-78.9	1031.9	-88.6	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
75	-77.8	-78.7	1031.7	-88.6	-89.4			1018.1			1034.2	0	0	0	0	0	0	0
76	-78.0	-78.7	1031.5	-88.6	-89.3			1018.1	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
77	-77.8	-78.8	1031.8	-88.7	-89.3			1017.9			1034.3	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
78	-78.0	-78.7	1031.7	-88.6	-89.3			1018.1			1034.3	0	0	0	0	0	0	0
79	-77.8	-78.7	1031.7	-88.6	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
80	-77.8	-78.8	1031.7	-88.6	-89.4	-90.8	-91.4	1018.1	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
81	-77.8	-78.7	1031.7	-88.7	-89.3			1018.1			1034.3	0	0	0	0	0	0	0
82	-78.0	-78.8	1031.7	-88.6	-89.3			1018.1			1034.2	0	0	0	0	0	0	0
83	-77.8	-78.7	1031.7	-88.7	-89.3			1018.1			1034.2	0	0	0	0	0	0	0
84	-78.0	-78.7	1031.7	-88.6	-89.3			1018.2	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
85	-77.8	-78.8	1031.7	-88.7	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
86	-77.8	-78.5	1031.7	-88.6	-89.4			1018.1			1034.2	0	0	0	0	0	0	0
87	-77.8	-78.8	1031.7	-88.6	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
88	-77.9	-78.7	1031.6	-88.6	-89.3	-91.1	-91.4	1018.0	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
89	-77.7	-78.7	1031.8	-88.6	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
90	-77.9	-78.7	1031.8	-88.5	-89.1			1017.9			1034.2	0	0	0	0	0	0	0
91	-77.8	-78.7	1031.6	-88.8	-89.3			1018.2			1034.2	0	0	0	0	0	0	0
92	-77.9	-78.8	1031.8	-88.6	-89.3			1017.9	-81.1	-81.2	1034.3	0	0	0	0	0	0	0
93	-77.9	-78.8	1031.6	-88.6	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
94	-77.7	-78.8	1031.8	-88.5	-89.4			1017.9			1034.3	0	0	0	0	0	0	0
95	-77.9	-78.8	1031.6	-88.6	-89.3			1017.9			1034.2	0	0	0	0	0	0	0
96	-77.7	-78.7	1031.8	-88.6	-89.4	-91.0	-91.4	1017.9	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
97	-77.9	-78.8	1031.8	-88.5	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
98	-77.7	-78.7	1031.8	-88.6	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
99	-77.8	-78.8	1031.6	-88.6	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
100	-77.8	-78.7	1031.8	-88.6	-89.3			1018.0	-81.2	-81.3	1034.3	0	0	0	0	0	0	0
101	-77.8	-78.7	1031.8	-88.6	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
102	-77.8	-78.7	1031.6	-88.7	-89.1			1018.0			1034.2	0	0	0	0	0	0	0
103	-77.8	-78.7	1031.8	-88.5	-89.1			1017.9			1034.2	0	0	0	0	0	0	0
104	-77.8	-78.7	1031.6	-88.6	-89.3	-91.0	-91.5	1018.0	-81.1	-81.2	1034.3	0	0	0	0	0	0	0
105	-77.9	-78.7	1031.6	-88.6	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
106	-77.7	-78.7	1031.7	-88.7	-89.3			1017.9			1034.4	0	0	0	0	0	0	0
107	-77.8	-78.7	1031.6	-88.6	-89.3			1018.2			1034.2	0	0	0	0	0	0	0
108	-77.8	-78.8	1031.7	-88.5	-89.1			1017.9	-80.9	-81.2	1034.3	0	0	0	0	0	0	0
109	-77.9	-78.7	1031.6	-88.6	-89.3			1018.2			1034.3	0	0	0	0	0	0	0
110	-77.9	-78.7	1031.7	-88.5	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
111	-77.8	-78.7	1031.6	-88.6	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
112	-77.8	-78.8	1031.6	-88.5	-89.3	-90.8	-91.4	1018.0	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
113	-77.7	-78.6	1031.7	-88.5	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
114	-77.7	-78.5	1031.6	-88.6	-89.3			1018.2			1034.2	0	0	0	0	0	0	0
115	-77.7	-78.6	1031.6	-88.5	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
116	-77.8	-78.6	1031.7	-88.5	-89.3			1018.0	-81.1	-81.1	1034.2	0	0	0	0	0	0	0
117	-77.7	-78.6	1031.6	-88.6	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
118	-77.8	-78.6	1031.7	-88.6	-89.1			1018.0			1034.2	0	0	0	0	0	0	0
119	-77.7	-78.6	1031.7	-88.5	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
120	-77.8	-78.6	1031.7	-88.5	-89.3	-91.0	-91.4	1018.2	-81.1	-81.3	1034.2	0	0	0	0	0	0	0
121	-77.8	-78.6	1031.9	-88.6	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
122	-77.8	-78.6	1031.6	-88.6	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
123	-77.8	-78.6	1031.7	-88.6	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
124	-77.8	-78.5	1031.7	-88.6	-89.3			1018.0	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
125	-77.8	-78.5	1031.6	-88.6	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
126	-77.8	-78.6	1031.7	-88.5	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
127	-77.7	-78.6	1031.6	-88.5	-89.3			1018.2			1034.3	0	0	0	0	0	0	0
128	-77.7	-78.6	1031.7	-88.5	-89.1	-90.8	-91.4	1018.0	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
129	-77.7	-78.5	1031.6	-88.6	-89.3			1018.0			1034.4	0	0	0	0	0	0	0
130	-77.9	-78.6	1031.7	-88.5	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
131	-77.7	-78.6	1031.9	-88.6	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
132	-77.7	-78.6	1031.7	-88.6	-89.1			1018.0	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
133	-77.7	-78.5	1031.6	-88.5	-89.3			1018.2			1034.3	0	0	0	0	0	0	0
134	-77.7	-78.6	1031.7	-88.5	-89.3			1017.9			1034.3	0	0	0	0	0	0	0
135	-77.7	-78.6	1031.7	-88.6	-89.1			1018.0			1034.2	0	0	0	0	0	0	0
136	-77.8	-78.6	1031.7	-88.5	-89.3	-90.8	-91.3	1018.0	-81.1	-81.3	1034.3	0	0	0	0	0	0	0
137	-77.8	-78.6	1031.7	-88.6	-89.3			1018.2			1034.4	0	0	0	0	0	0	0
138	-77.8	-78.6	1031.6	-88.5	-89.1			1018.0			1034.2	0	0	0	0	0	0	0
139	-77.7	-78.6	1031.7	-88.6	-89.3			1018.0			1034.3	0	0	0	0	0	0	0
140	-77.7	-78.5	1031.7	-88.5	-89.3			1018.2	-80.8	-81.1	1034.3	0	0	0	0	0	0	0
141	-77.7	-78.6	1031.6	-88.5	-89.1			1018.0			1034.2	0	0	0	0	0	0	0
142	-77.7	-78.6	1031.7	-88.6	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
143	-77.9	-78.6	1031.6	-88.3	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
144	-77.5	-78.6	1031.9	-88.5	-89.1	-90.8	-91.4	1018.0	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
145	-77.8	-78.5	1031.7	-88.6	-89.1			1018.2			1034.2	0	0	0	0	0	0	0
146	-77.7	-78.8	1031.9	-88.5	-89.0			1018.0			1034.3	0	0	0	0	0	0	0
147	-77.7	-78.5	1031.6	-88.6	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
148	-77.5	-78.6	1031.7	-88.5	-89.1			1018.0	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
149	-77.8	-78.6	1031.7	-88.6	-89.3			1018.2			1034.2	0	0	0	0	0	0	0
150	-77.7	-78.6	1031.7	-88.5	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
151	-77.7	-78.5	1031.6	-88.6	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
152	-77.8	-78.6	1031.6	-88.5	-89.0	-90.8	-91.4	1017.9	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
153	-77.8	-78.6	1031.7	-88.5	-89.1			1018.0			1034.4	0	0	0	0	0	0	0
154	-77.8	-78.7	1031.7	-88.5	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
155	-77.7	-78.5	1031.9	-88.6	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
156	-77.7	-78.5	1031.7	-88.5	-89.3			1018.2	-80.9	-81.3	1034.3	0	0	0	0	0	0	0
157	-77.7	-78.5	1031.7	-88.5	-89.0			1017.9			1034.3	0	0	0	0	0	0	0
158	-77.5	-78.5	1031.7	-88.5	-89.3			1018.0			1034.3	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
159	-77.8	-78.7	1031.6	-88.5	-89.0			1018.0			1034.3	0	0	0	0	0	0	0
160	-77.7	-78.5	1031.7	-88.5	-89.0	-90.8	-91.2	1018.0	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
161	-77.8	-78.5	1031.7	-88.3	-89.3			1018.0			1034.2	0	0	0	0	0	0	0
162	-77.5	-78.6	1031.9	-88.5	-89.0			1017.9			1034.3	0	0	0	0	0	0	0
163	-77.7	-78.5	1031.5	-88.5	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
164	-77.7	-78.5	1031.7	-88.3	-89.1			1017.9	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
165	-77.8	-78.6	1031.6	-88.3	-89.2			1018.0			1034.2	0	0	0	0	0	0	0
166	-77.7	-78.5	1031.6	-88.5	-89.2			1017.9			1034.2	0	0	0	0	0	0	0
167	-77.5	-78.6	1031.9	-88.5	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
168	-77.7	-78.4	1031.6	-88.5	-89.2	-90.8	-91.3	1018.1	-80.9	-81.0	1034.2	0	0	0	0	0	0	0
169	-77.7	-78.6	1031.8	-88.5	-89.0			1018.1			1034.2	0	0	0	0	0	0	0
170	-77.5	-78.6	1031.8	-88.5	-89.0			1018.1			1034.4	0	0	0	0	0	0	0
171	-77.5	-78.5	1031.8	-88.5	-89.1			1018.2			1034.2	0	0	0	0	0	0	0
172	-77.5	-78.5	1031.8	-88.5	-89.2			1018.1	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
173	-77.7	-78.5	1031.6	-88.5	-88.9			1018.1			1034.2	0	0	0	0	0	0	0
174	-77.7	-78.6	1031.9	-88.5	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
175	-77.5	-78.5	1031.8	-88.5	-89.2			1018.1			1034.3	0	0	0	0	0	0	0
176	-77.8	-78.5	1031.6	-88.5	-89.1	-90.7	-91.2	1018.2	-80.9	-81.1	1034.2	0	0	0	0	0	0	0
177	-77.5	-78.5	1031.9	-88.5	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
178	-77.8	-78.5	1031.9	-88.5	-89.0			1018.0			1034.2	0	0	0	0	0	0	0
179	-77.8	-78.5	1031.7	-88.3	-89.0			1018.2			1034.3	0	0	0	0	0	0	0
180	-77.7	-78.5	1031.7	-88.4	-89.1			1018.0	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
181	-77.7	-78.5	1031.7	-88.4	-89.0			1018.0			1034.2	0	0	0	0	0	0	0
182	-77.7	-78.6	1031.7	-88.4	-89.0			1018.0			1034.2	0	0	0	0	0	0	0
183	-77.5	-78.5	1031.7	-88.4	-89.2			1018.2			1034.3	0	0	0	0	0	0	0
184	-77.7	-78.4	1031.7	-88.3	-89.1	-90.8	-91.2	1018.2	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
185	-77.5	-78.5	1031.9	-88.4	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
186	-77.7	-78.5	1031.7	-88.4	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
187	-77.8	-78.4	1031.6	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
188	-77.7	-78.5	1031.7	-88.4	-89.0			1018.0	-80.9	-81.1	1034.3	0	0	0	0	0	0	0
189	-77.7	-78.4	1031.7	-88.4	-89.0			1018.0			1034.4	0	0	0	0	0	0	0
190	-77.7	-78.5	1031.6	-88.4	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
191	-77.5	-78.6	1031.9	-88.4	-89.1			1018.0			1034.3	0	0	0	0	0	0	0
192	-77.7	-78.5	1031.8	-88.4	-89.1	-90.8	-91.3	1018.1	-80.8	-81.1	1034.3	0	0	0	0	0	0	0
193	-77.7	-78.4	1031.8	-88.3	-89.1			1018.2			1034.2	0	0	0	0	0	0	0
194	-77.7	-78.4	1031.6	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
195	-77.7	-78.5	1031.8	-88.3	-89.1			1018.1			1034.3	0	0	0	0	0	0	0
196	-77.7	-78.5	1031.8	-88.3	-89.1			1018.2	-80.9	-81.0	1034.2	0	0	0	0	0	0	0
197	-77.5	-78.6	1031.8	-88.3	-89.1			1017.9			1034.3	0	0	0	0	0	0	0
198	-77.7	-78.5	1031.8	-88.3	-88.9			1018.1			1034.3	0	0	0	0	0	0	0
199	-77.7	-78.5	1031.8	-88.4	-88.9			1018.2			1034.4	0	0	0	0	0	0	0
200	-77.6	-78.4	1031.9	-88.4	-89.1	-90.5	-91.2	1018.0	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
201	-77.6	-78.5	1031.7	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
202	-77.6	-78.5	1031.7	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
203	-77.6	-78.5	1031.9	-88.4	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
204	-77.6	-78.6	1031.9	-88.3	-88.9			1018.0	-80.8	-81.1	1034.3	0	0	0	0	0	0	0
205	-77.6	-78.4	1031.7	-88.3	-89.1			1018.0			1034.4	0	0	0	0	0	0	0
206	-77.6	-78.5	1031.7	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
207	-77.6	-78.4	1031.7	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
208	-77.7	-78.6	1031.7	-88.2	-89.1	-90.8	-91.2	1018.0	-80.7	-81.0	1034.3	0	0	0	0	0	0	0
209	-77.7	-78.4	1031.9	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
210	-77.5	-78.5	1031.9	-88.4	-89.1			1018.0			1034.4	0	0	0	0	0	0	0
211	-77.5	-78.5	1031.7	-88.3	-89.0			1018.0			1034.4	0	0	0	0	0	0	0
212	-77.7	-78.4	1031.9	-88.3	-89.0			1018.0	-80.9	-81.0	1034.3	0	0	0	0	0	0	0
213	-77.5	-78.6	1031.9	-88.3	-89.0			1018.0			1034.3	0	0	0	0	0	0	0
214	-77.5	-78.6	1031.9	-88.4	-89.0			1017.9			1034.4	0	0	0	0	0	0	0
215	-77.7	-78.4	1031.7	-88.3	-89.2			1018.2			1034.4	0	0	0	0	0	0	0
216	-77.5	-78.5	1031.7	-88.3	-89.0	-90.5	-91.2	1018.2	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
217	-77.7	-78.5	1031.7	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
218	-77.5	-78.4	1031.9	-88.2	-88.8			1018.0			1034.2	0	0	0	0	0	0	0
219	-77.5	-78.5	1031.9	-88.2	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
220	-77.7	-78.4	1031.7	-88.3	-89.1			1018.2	-80.7	-81.1	1034.3	0	0	0	0	0	0	0
221	-77.7	-78.5	1031.7	-88.2	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
222	-77.5	-78.5	1031.7	-88.3	-88.8			1018.0			1034.4	0	0	0	0	0	0	0
223	-77.5	-78.4	1031.9	-88.3	-88.9			1018.0			1034.4	0	0	0	0	0	0	0
224	-77.5	-78.4	1031.7	-88.3	-88.8	-90.6	-91.2	1018.2	-80.8	-81.1	1034.4	0	0	0	0	0	0	0
225	-77.7	-78.2	1031.9	-88.3	-88.9			1018.2			1034.4	0	0	0	0	0	0	0
226	-77.5	-78.4	1031.7	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
227	-77.7	-78.5	1031.7	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
228	-77.4	-78.6	1031.9	-88.3	-88.8			1018.0	-80.8	-81.0	1034.4	0	0	0	0	0	0	0
229	-77.5	-78.5	1031.9	-88.3	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
230	-77.5	-78.4	1031.7	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
231	-77.5	-78.5	1031.7	-88.3	-89.1			1018.2			1034.3	0	0	0	0	0	0	0
232	-77.7	-78.4	1031.7	-88.3	-89.1	-90.5	-91.1	1018.1	-80.7	-80.9	1034.3	0	0	0	0	0	0	0
233	-77.5	-78.4	1031.9	-88.3	-88.9			1018.1			1034.3	0	0	0	0	0	0	0
234	-77.7	-78.5	1031.9	-88.3	-88.9			1018.0			1034.4	0	0	0	0	0	0	0
235	-77.5	-78.5	1031.9	-88.1	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
236	-77.7	-78.5	1031.9	-88.1	-88.9			1018.1	-80.7	-81.0	1034.3	0	0	0	0	0	0	0
237	-77.5	-78.5	1031.9	-88.3	-88.8			1018.0			1034.3	0	0	0	0	0	0	0
238	-77.4	-78.4	1031.9	-88.3	-88.9			1018.1			1034.4	0	0	0	0	0	0	0
239	-77.5	-78.4	1031.9	-88.4	-88.9			1018.0			1034.4	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
240	-77.7	-78.4	1031.9	-88.3	-88.9	-90.6	-91.1	1018.2	-80.7	-80.9	1034.4	0	0	0	0	0	0	0
241	-77.7	-78.4	1031.7	-88.3	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
242	-77.5	-78.5	1031.7	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
243	-77.7	-78.5	1031.8	-88.1	-88.9			1018.3			1034.3	0	0	0	0	0	0	0
244	-77.5	-78.5	1031.9	-88.1	-88.8			1018.2	-80.7	-81.0	1034.3	0	0	0	0	0	0	0
245	-77.5	-78.5	1031.8	-88.1	-88.8			1018.0			1034.3	0	0	0	0	0	0	0
246	-77.4	-78.6	1031.9	-88.3	-88.8			1018.0			1034.3	0	0	0	0	0	0	0
247	-77.4	-78.5	1031.9	-88.3	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
248	-77.4	-78.4	1031.9	-88.1	-88.9	-90.6	-91.1	1018.0	-80.8	-81.0	1034.3	0	0	0	0	0	0	0
249	-77.5	-78.4	1031.7	-88.4	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
250	-77.5	-78.4	1031.7	-88.1	-88.9			1018.0			1034.4	0	0	0	0	0	0	0
251	-77.4	-78.2	1031.9	-88.3	-88.9			1018.1			1034.4	0	0	0	0	0	0	0
252	-77.5	-78.5	1031.9	-88.1	-88.8			1018.1	-80.7	-80.9	1034.3	0	0	0	0	0	0	0
253	-77.5	-78.4	1031.9	-88.3	-88.9			1018.0			1034.3	0	0	0	0	0	0	0
254	-77.5	-78.4	1031.9	-88.1	-88.9			1018.1			1034.4	0	0	0	0	0	0	0
255	-77.4	-78.4	1031.9	-88.1	-88.9			1018.0			1034.4	0	0	0	0	0	0	0
256	-77.5	-78.3	1031.9	-88.3	-88.9	-90.7	-91.1	1018.2	-80.8	-81.1	1034.4	0	0	0	0	0	0	0
257	-77.5	-78.3	1031.9	-88.1	-88.9			1018.0			1034.4	0	0	0	0	0	0	0
258	-77.4	-78.3	1031.8	-88.1	-89.0			1018.3			1034.4	0	0	0	0	0	0	0
259	-77.6	-78.2	1031.9	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
260	-77.4	-78.3	1031.9	-88.1	-88.9			1018.2	-80.7	-81.0	1034.3	0	0	0	0	0	0	0
261	-77.5	-78.5	1031.9	-88.3	-88.8			1018.2			1034.3	0	0	0	0	0	0	0
262	-77.5	-78.5	1031.9	-88.1	-88.8			1018.0			1034.4	0	0	0	0	0	0	0
263	-77.5	-78.3	1031.9	-88.3	-88.8			1018.0			1034.3	0	0	0	0	0	0	0
264	-77.4	-78.3	1031.9	-88.3	-88.9	-90.6	-91.1	1018.2	-80.6	-80.9	1034.4	0	0	0	0	0	0	0
265	-77.4	-78.3	1031.9	-88.3	-88.9			1018.2			1034.4	0	0	0	0	0	0	0
266	-77.4	-78.3	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
267	-77.5	-78.5	1031.8	-88.1	-88.8			1018.2			1034.3	0	0	0	0	0	0	0
268	-77.4	-78.3	1031.9	-88.2	-88.9			1018.2	-80.6	-80.9	1034.4	0	0	0	0	0	0	0
269	-77.4	-78.3	1031.9	-88.1	-89.0			1018.3			1034.3	0	0	0	0	0	0	0
270	-77.5	-78.5	1031.9	-88.2	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
271	-77.5	-78.5	1031.9	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
272	-77.5	-78.5	1031.9	-88.1	-88.8	-90.6	-91.1	1018.1	-80.8	-81.0	1034.4	0	0	0	0	0	0	0
273	-77.4	-78.4	1031.9	-88.1	-88.9			1018.1			1034.4	0	0	0	0	0	0	0
274	-77.5	-78.2	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
275	-77.5	-78.4	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
276	-77.4	-78.5	1031.9	-88.1	-88.9			1018.1	-80.5	-81.0	1034.4	0	0	0	0	0	0	0
277	-77.4	-78.4	1031.9	-88.3	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
278	-77.4	-78.5	1031.8	-88.0	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
279	-77.5	-78.2	1031.8	-88.1	-88.8			1018.2			1034.3	0	0	0	0	0	0	0
280	-77.2	-78.4	1031.9	-88.3	-88.9	-90.6	-91.1	1018.1	-80.8	-80.9	1034.5	0	0	0	0	0	0	0
281	-77.4	-78.4	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
282	-77.2	-78.4	1031.9	-88.3	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
283	-77.5	-78.4	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
284	-77.4	-78.5	1031.9	-88.1	-88.8			1018.1	-80.6	-80.9	1034.3	0	0	0	0	0	0	0
285	-77.5	-78.4	1031.8	-88.1	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
286	-77.4	-78.2	1031.9	-88.1	-88.9			1018.1			1034.3	0	0	0	0	0	0	0
287	-77.4	-78.4	1031.9	-88.1	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
288	-77.5	-78.4	1031.8	-88.1	-88.8	-90.5	-91.4	1018.2	-80.5	-81.0	1034.3	0	0	0	0	0	0	0
289	-77.4	-78.3	1031.9	-88.3	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
290	-77.5	-78.3	1031.8	-88.0	-88.8			1018.2			1034.3	0	0	0	0	0	0	0
291	-77.3	-78.4	1031.9	-88.1	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
292	-77.5	-78.4	1031.9	-88.1	-88.8			1018.2	-80.8	-80.9	1034.5	0	0	0	0	0	0	0
293	-77.4	-78.4	1031.8	-88.1	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
294	-77.3	-78.4	1031.9	-88.1	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
295	-77.4	-78.4	1031.8	-88.0	-88.9			1018.2			1034.3	0	0	0	0	0	0	0
296	-77.3	-78.2	1031.9	-88.1	-88.8	-90.6	-91.1	1018.1	-80.8	-80.9	1034.4	0	0	0	0	0	0	0
297	-77.4	-78.2	1031.9	-88.1	-88.9			1018.2			1034.4	0	0	0	0	0	0	0
298	-77.4	-78.3	1031.9	-88.0	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
299	-77.4	-78.2	1031.9	-88.3	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
300	-77.3	-78.3	1031.9	-88.0	-88.8			1018.1	-80.6	-81.0	1034.4	0	0	0	0	0	0	0
301	-77.4	-78.3	1031.9	-88.1	-88.9			1018.3			1034.5	0	0	0	0	0	0	0
302	-77.3	-78.3	1031.9	-88.1	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
303	-77.4	-78.2	1031.8	-88.3	-88.9			1018.2			1034.4	0	0	0	0	0	0	0
304	-77.4	-78.3	1031.9	-88.0	-88.6	-90.5	-91.1	1018.1	-80.6	-80.7	1034.5	0	0	0	0	0	0	0
305	-77.4	-78.2	1031.8	-88.1	-88.8			1018.3			1034.5	0	0	0	0	0	0	0
306	-77.4	-78.3	1031.9	-88.1	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
307	-77.4	-78.3	1031.9	-88.0	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
308	-77.4	-78.2	1031.8	-88.3	-88.9			1018.2	-80.5	-81.0	1034.3	0	0	0	0	0	0	0
309	-77.4	-78.2	1031.9	-88.1	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
310	-77.4	-78.1	1031.9	-88.0	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
311	-77.4	-78.2	1031.7	-88.0	-88.8			1018.2			1034.3	0	0	0	0	0	0	0
312	-77.4	-78.1	1031.9	-88.3	-88.8	-90.6	-91.1	1018.2	-80.6	-80.7	1034.5	0	0	0	0	0	0	0
313	-77.5	-78.2	1031.8	-88.1	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
314	-77.4	-78.3	1031.9	-88.0	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
315	-77.2	-78.1	1031.9	-88.1	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
316	-77.4	-78.2	1031.8	-88.1	-88.8			1018.2	-80.5	-81.0	1034.4	0	0	0	0	0	0	0
317	-77.2	-78.2	1031.9	-88.0	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
318	-77.4	-78.2	1031.9	-88.1	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
319	-77.2	-78.2	1031.9	-88.1	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
320	-77.4	-78.2	1031.9	-88.1	-88.8	-90.5	-91.1	1018.2	-80.5	-80.8	1034.5	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
321	-77.2	-78.2	1031.9	-88.0	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
322	-77.4	-78.2	1031.9	-88.1	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
323	-77.2	-78.2	1031.9	-88.1	-88.8			1018.3			1034.5	0	0	0	0	0	0	0
324	-77.4	-78.2	1031.9	-88.0	-88.8			1018.2	-80.6	-81.0	1034.4	0	0	0	0	0	0	0
325	-77.4	-78.3	1031.9	-88.1	-88.7			1018.2			1034.5	0	0	0	0	0	0	0
326	-77.4	-78.1	1031.8	-88.0	-88.8			1018.3			1034.5	0	0	0	0	0	0	0
327	-77.2	-78.2	1032.0	-88.1	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
328	-77.4	-78.2	1031.9	-88.0	-88.8	-90.6	-91.1	1018.2	-80.5	-80.8	1034.5	0	0	0	0	0	0	0
329	-77.4	-78.2	1031.9	-88.0	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
330	-77.2	-78.2	1031.9	-88.0	-88.6			1018.1			1034.5	0	0	0	0	0	0	0
331	-77.2	-78.2	1031.9	-88.0	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
332	-77.4	-78.2	1031.8	-88.0	-88.8			1018.2	-80.5	-80.8	1034.5	0	0	0	0	0	0	0
333	-77.4	-78.2	1031.9	-88.0	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
334	-77.4	-78.3	1031.9	-88.1	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
335	-77.4	-78.2	1031.9	-88.0	-88.9			1018.2			1034.5	0	0	0	0	0	0	0
336	-77.4	-78.2	1031.9	-88.0	-88.8	-90.3	-91.1	1018.3	-80.5	-80.8	1034.5	0	0	0	0	0	0	0
337	-77.4	-78.1	1031.9	-88.0	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
338	-77.4	-78.1	1031.8	-88.0	-88.8			1018.3			1034.4	0	0	0	0	0	0	0
339	-77.2	-78.2	1032.0	-88.1	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
340	-77.2	-78.2	1031.9	-88.1	-88.6			1018.1	-80.4	-80.8	1034.5	0	0	0	0	0	0	0
341	-77.4	-78.2	1031.8	-88.0	-88.8			1018.2			1034.5	0	0	0	0	0	0	0
342	-77.2	-78.2	1032.0	-88.0	-88.8			1018.1			1034.5	0	0	0	0	0	0	0
343	-77.4	-78.2	1031.9	-88.0	-88.8			1018.3			1034.5	0	0	0	0	0	0	0
344	-77.3	-78.2	1031.9	-87.9	-88.8	-90.3	-91.0	1018.2	-80.4	-80.7	1034.5	0	0	0	0	0	0	0
345	-77.3	-78.3	1031.9	-88.0	-88.6			1018.1			1034.5	0	0	0	0	0	0	0
346	-77.4	-78.2	1031.9	-88.0	-88.8			1018.2			1034.4	0	0	0	0	0	0	0
347	-77.3	-78.2	1032.0	-87.8	-88.6			1018.1			1034.5	0	0	0	0	0	0	0
348	-77.4	-78.2	1031.9	-87.8	-88.7			1018.2	-80.5	-80.7	1034.4	0	0	0	0	0	0	0
349	-77.3	-78.2	1032.0	-87.8	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
350	-77.3	-78.2	1031.9	-88.0	-88.6			1018.3			1034.6	0	0	0	0	0	0	0
351	-77.3	-78.1	1031.9	-88.0	-88.7			1018.3			1034.5	0	0	0	0	0	0	0
352	-77.4	-78.2	1032.0	-88.0	-88.7	-90.5	-91.0	1018.2	-80.7	-80.7	1034.3	0	0	0	0	0	0	0
353	-77.1	-78.2	1031.9	-87.8	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
354	-77.1	-78.2	1031.9	-88.1	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
355	-77.3	-78.1	1031.9	-88.0	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
356	-77.1	-78.1	1031.9	-88.0	-88.6			1018.2	-80.5	-80.8	1034.5	0	0	0	0	0	0	0
357	-77.4	-78.1	1031.8	-87.8	-88.6			1018.3			1034.3	0	0	0	0	0	0	0
358	-77.3	-78.2	1031.9	-88.0	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
359	-77.3	-78.3	1031.9	-88.0	-88.6			1018.1			1034.6	0	0	0	0	0	0	0
360	-77.3	-78.2	1031.9	-88.1	-88.6	-90.3	-91.1	1018.2	-80.5	-80.7	1034.4	0	0	0	0	0	0	0
361	-77.3	-78.2	1031.9	-88.0	-88.8			1018.3			1034.3	0	0	0	0	0	0	0
362	-77.4	-78.2	1031.9	-88.0	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
363	-77.2	-78.2	1031.9	-87.7	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
364	-77.3	-78.2	1031.9	-88.1	-88.7			1018.2	-80.5	-80.7	1034.4	0	0	0	0	0	0	0
365	-77.3	-78.1	1032.0	-88.0	-88.7			1018.2			1034.4	0	0	0	0	0	0	0
366	-77.4	-78.2	1031.9	-88.0	-88.7			1018.3			1034.4	0	0	0	0	0	0	0
367	-77.3	-78.2	1031.9	-87.8	-88.6			1018.2			1034.3	0	0	0	0	0	0	0
368	-77.3	-78.2	1031.9	-87.8	-88.5	-90.4	-90.8	1018.2	-80.5	-80.7	1034.4	0	0	0	0	0	0	0
369	-77.3	-78.2	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
370	-77.3	-78.1	1031.9	-88.1	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
371	-77.2	-78.1	1031.9	-87.9	-88.6			1018.3			1034.3	0	0	0	0	0	0	0
372	-77.3	-78.2	1031.9	-87.9	-88.6			1018.3	-80.5	-80.7	1034.5	0	0	0	0	0	0	0
373	-77.3	-78.1	1031.9	-87.8	-88.7			1018.2			1034.3	0	0	0	0	0	0	0
374	-77.3	-78.1	1032.0	-87.8	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
375	-77.3	-78.2	1031.9	-87.8	-88.6			1018.1			1034.5	0	0	0	0	0	0	0
376	-77.3	-78.2	1031.9	-87.9	-88.7	-90.4	-91.1	1018.3	-80.4	-80.7	1034.4	0	0	0	0	0	0	0
377	-77.3	-78.3	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
378	-77.1	-78.2	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
379	-77.4	-78.1	1031.8	-87.8	-88.7			1018.3			1034.4	0	0	0	0	0	0	0
380	-77.3	-78.2	1031.9	-87.8	-88.5			1018.2	-80.4	-80.7	1034.3	0	0	0	0	0	0	0
381	-77.1	-78.2	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
382	-77.3	-78.1	1032.0	-87.9	-88.6			1018.3			1034.6	0	0	0	0	0	0	0
383	-77.3	-77.9	1032.0	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
384	-77.3	-78.1	1031.9	-87.9	-88.6	-90.3	-91.1	1018.2	-80.4	-80.7	1034.3	0	0	0	0	0	0	0
385	-77.1	-78.1	1032.0	-87.8	-88.5			1018.1			1034.6	0	0	0	0	0	0	0
386	-77.1	-78.1	1031.9	-87.9	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
387	-77.3	-78.1	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
388	-77.3	-78.1	1031.9	-88.0	-88.6			1018.2	-80.5	-80.7	1034.4	0	0	0	0	0	0	0
389	-77.3	-78.1	1031.9	-87.8	-88.6			1018.2			1034.6	0	0	0	0	0	0	0
390	-77.4	-78.1	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
391	-77.3	-78.2	1031.9	-87.7	-88.6			1018.2			1034.3	0	0	0	0	0	0	0
392	-77.3	-78.1	1032.0	-87.7	-88.6	-90.4	-91.0	1018.2	-80.4	-80.7	1034.5	0	0	0	0	0	0	0
393	-77.1	-78.2	1031.9	-87.8	-88.5			1018.2			1034.5	0	0	0	0	0	0	0
394	-77.1	-78.1	1031.9	-87.8	-88.5			1018.2			1034.5	0	0	0	0	0	0	0
395	-77.1	-78.1	1031.9	-88.0	-88.6			1018.3			1034.5	0	0	0	0	0	0	0
396	-77.1	-78.2	1032.0	-87.8	-88.6			1018.3	-80.5	-80.7	1034.5	0	0	0	0	0	0	0
397	-77.3	-78.2	1031.9	-88.0	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
398	-77.4	-78.1	1031.9	-88.0	-88.6			1018.3			1034.5	0	0	0	0	0	0	0
399	-77.3	-78.1	1031.8	-87.7	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
400	-77.1	-78.1	1031.9	-87.8	-88.4	-90.3	-91.0	1018.2	-80.4	-80.7	1034.4	0	0	0	0	0	0	0
401	-77.3	-78.1	1031.9	-87.8	-88.5			1018.2			1034.4	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
402	-77.1	-78.0	1031.9	-88.0	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
403	-77.1	-78.1	1031.9	-87.8	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
404	-77.3	-78.2	1031.9	-87.8	-88.5			1018.3	-80.5	-80.8	1034.5	0	0	0	0	0	0	0
405	-77.1	-78.1	1031.9	-87.8	-88.6			1018.2			1034.4	0	0	0	0	0	0	0
406	-77.1	-78.2	1031.9	-88.0	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
407	-77.3	-78.1	1031.8	-87.8	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
408	-77.3	-78.2	1032.0	-87.7	-88.5	-90.4	-91.1	1018.3	-80.5	-80.7	1034.3	0	0	0	0	0	0	0
409	-77.1	-78.2	1031.9	-87.8	-88.5			1018.2			1034.5	0	0	0	0	0	0	0
410	-77.1	-78.1	1031.9	-87.8	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
411	-77.3	-78.1	1031.9	-88.0	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
412	-77.3	-78.2	1032.0	-87.8	-88.4			1018.2	-80.4	-80.7	1034.4	0	0	0	0	0	0	0
413	-77.1	-78.1	1031.9	-87.8	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
414	-77.3	-78.1	1031.9	-88.0	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
415	-77.1	-77.9	1031.9	-88.0	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
416	-77.1	-78.1	1032.0	-87.7	-88.5	-90.4	-91.0	1018.2	-80.4	-80.6	1034.4	0	0	0	0	0	0	0
417	-77.1	-78.1	1032.1	-87.8	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
418	-77.1	-78.1	1031.9	-87.8	-88.6			1018.2			1034.5	0	0	0	0	0	0	0
419	-77.1	-77.9	1031.9	-87.8	-88.6			1018.3			1034.5	0	0	0	0	0	0	0
420	-77.1	-78.1	1031.9	-87.8	-88.6			1018.3	-80.4	-80.6	1034.4	0	0	0	0	0	0	0
421	-77.3	-78.1	1031.9	-87.8	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
422	-77.3	-78.1	1031.9	-87.7	-88.5			1018.3			1034.3	0	0	0	0	0	0	0
423	-77.3	-78.1	1031.9	-87.8	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
424	-77.1	-78.1	1032.0	-87.8	-88.6	-90.3	-91.0	1018.2	-80.4	-80.6	1034.5	0	0	0	0	0	0	0
425	-77.1	-78.1	1032.0	-88.0	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
426	-77.1	-77.9	1031.9	-87.8	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
427	-77.1	-78.1	1031.9	-87.9	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
428	-77.0	-78.2	1031.9	-87.9	-88.5			1018.3	-80.4	-80.7	1034.4	0	0	0	0	0	0	0
429	-77.1	-78.2	1031.9	-88.0	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
430	-77.3	-77.9	1031.9	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
431	-77.0	-78.2	1032.0	-87.9	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
432	-77.1	-78.1	1031.9	-87.7	-88.4	-90.3	-90.7	1018.3	-80.4	-80.7	1034.4	0	0	0	0	0	0	0
433	-77.1	-78.0	1032.0	-87.8	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
434	-77.0	-78.0	1031.9	-87.8	-88.6			1018.3			1034.5	0	0	0	0	0	0	0
435	-77.1	-78.0	1031.9	-87.8	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
436	-77.2	-78.0	1031.9	-87.7	-88.5			1018.3	-80.2	-80.5	1034.4	0	0	0	0	0	0	0
437	-77.1	-78.0	1032.0	-87.8	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
438	-77.1	-77.9	1032.0	-87.8	-88.4			1018.3			1034.5	0	0	0	0	0	0	0
439	-77.1	-78.0	1032.0	-87.8	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
440	-77.1	-77.9	1032.0	-88.0	-88.6	-90.3	-91.0	1018.3	-80.2	-80.6	1034.4	0	0	0	0	0	0	0
441	-77.1	-77.9	1032.0	-87.7	-88.6			1018.3			1034.4	0	0	0	0	0	0	0
442	-77.1	-77.9	1031.9	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
443	-77.2	-77.9	1031.9	-87.6	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
444	-77.1	-78.0	1032.0	-87.9	-88.6			1018.2	-80.4	-80.7	1034.6	0	0	0	0	0	0	0
445	-77.1	-77.9	1032.1	-87.9	-88.5			1018.3			1034.6	0	0	0	0	0	0	0
446	-77.1	-77.9	1032.0	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
447	-77.2	-78.0	1031.9	-87.7	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
448	-77.1	-77.9	1031.9	-87.7	-88.4	-90.3	-90.9	1018.3	-80.3	-80.5	1034.3	0	0	0	0	0	0	0
449	-77.1	-78.0	1032.0	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
450	-77.1	-78.0	1032.0	-87.7	-88.4			1018.2			1034.4	0	0	0	0	0	0	0
451	-77.1	-78.0	1032.0	-87.6	-88.4			1018.2			1034.4	0	0	0	0	0	0	0
452	-77.2	-77.9	1031.8	-87.7	-88.5			1018.3	-80.2	-80.7	1034.4	0	0	0	0	0	0	0
453	-77.1	-77.9	1032.0	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
454	-77.1	-78.0	1031.9	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
455	-77.1	-77.9	1032.0	-87.7	-88.3			1018.3			1034.3	0	0	0	0	0	0	0
456	-77.0	-78.0	1032.0	-87.9	-88.5	-90.2	-90.9	1018.2	-80.2	-80.7	1034.4	0	0	0	0	0	0	0
457	-77.1	-78.0	1032.0	-87.9	-88.4			1018.2			1034.4	0	0	0	0	0	0	0
458	-77.0	-77.9	1032.0	-87.7	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
459	-77.1	-77.9	1031.9	-87.9	-88.5			1018.4			1034.4	0	0	0	0	0	0	0
460	-77.1	-78.0	1031.9	-87.7	-88.5			1018.3	-80.3	-80.4	1034.4	0	0	0	0	0	0	0
461	-77.1	-77.9	1032.0	-87.7	-88.4			1018.3			1034.3	0	0	0	0	0	0	0
462	-77.1	-78.0	1031.9	-87.6	-88.4			1018.4			1034.4	0	0	0	0	0	0	0
463	-77.0	-78.0	1032.0	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
464	-77.1	-78.0	1032.0	-87.9	-88.4	-90.2	-90.9	1018.3	-80.3	-80.6	1034.4	0	0	0	0	0	0	0
465	-77.0	-78.1	1032.1	-87.6	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
466	-77.1	-77.9	1032.0	-87.6	-88.4			1018.2			1034.5	0	0	0	0	0	0	0
467	-77.0	-77.9	1032.0	-87.7	-88.5			1018.2			1034.4	0	0	0	0	0	0	0
468	-77.0	-78.1	1031.9	-87.7	-88.4			1018.2	-80.3	-80.6	1034.4	0	0	0	0	0	0	0
469	-77.1	-77.9	1031.9	-87.7	-88.4			1018.3			1034.5	0	0	0	0	0	0	0
470	-77.1	-77.9	1032.1	-87.6	-88.4			1018.3			1034.5	0	0	0	0	0	0	0
471	-77.0	-78.1	1032.1	-87.6	-88.4			1018.2			1034.4	0	0	0	0	0	0	0
472	-76.9	-77.9	1031.9	-87.9	-88.4	-90.2	-90.8	1018.3	-80.2	-80.7	1034.5	0	0	0	0	0	0	0
473	-77.1	-77.9	1032.0	-87.9	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
474	-77.1	-77.9	1032.0	-87.9	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
475	-77.1	-77.7	1031.9	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
476	-77.1	-77.9	1031.9	-87.7	-88.5			1018.3	-80.2	-80.4	1034.4	0	0	0	0	0	0	0
477	-77.1	-77.9	1031.9	-87.7	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
478	-77.1	-77.9	1031.9	-87.7	-88.4			1018.3			1034.4	0	0	0	0	0	0	0
479	-76.9	-77.9	1031.9	-87.7	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
480	-77.1	-78.0	1032.0	-87.6	-88.5	-90.3	-90.8	1018.3	-80.2	-80.4	1034.4	0	0	0	0	0	0	0
481	-77.0	-78.0	1032.0	-87.7	-88.4			1018.3			1034.4	0	0	0	0	0	0	0
482	-77.2	-78.0	1032.0	-87.6	-88.4			1018.3			1034.3	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
483	-77.1	-77.9	1032.1	-87.7	-88.3			1018.3			1034.4	0	0	0	0	0	0	0
484	-77.1	-77.9	1031.9	-87.6	-88.3			1018.3	-80.2	-80.5	1034.5	0	0	0	0	0	0	0
485	-77.1	-77.8	1032.0	-87.7	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
486	-77.0	-77.8	1031.9	-87.8	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
487	-77.0	-77.9	1032.0	-87.7	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
488	-76.8	-77.9	1032.0	-87.7	-88.3	-90.1	-90.8	1018.2	-80.2	-80.5	1034.5	0	0	0	0	0	0	0
489	-77.1	-77.9	1032.0	-87.6	-88.5			1018.3			1034.4	0	0	0	0	0	0	0
490	-77.0	-77.9	1032.0	-87.6	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
491	-77.0	-77.9	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
492	-77.0	-77.8	1031.9	-87.5	-88.5			1018.4	-80.1	-80.5	1034.4	0	0	0	0	0	0	0
493	-77.1	-77.9	1031.9	-87.5	-88.5			1018.3			1034.7	0	0	0	0	0	0	0
494	-77.1	-77.8	1031.9	-87.5	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
495	-76.8	-77.9	1032.0	-87.7	-88.5			1018.3			1034.5	0	0	0	0	0	0	0
496	-76.9	-77.9	1031.9	-87.7	-88.3	-90.1	-90.9	1018.3	-80.2	-80.5	1034.5	0	0	0	0	0	0	0
497	-76.9	-77.8	1032.0	-87.8	-88.3			1018.2			1034.6	0	0	0	0	0	0	0
498	-76.9	-77.9	1032.1	-87.5	-88.3			1018.3			1034.6	0	0	0	0	0	0	0
499	-76.9	-77.9	1032.0	-87.5	-88.2			1018.4			1034.6	0	0	0	0	0	0	0
500	-76.9	-77.9	1032.0	-87.7	-88.3			1018.2	-80.2	-80.4	1034.6	0	0	0	0	0	0	0
501	-77.1	-78.0	1032.0	-87.5	-88.2			1018.3			1034.6	0	0	0	0	0	0	0
502	-76.9	-77.9	1032.0	-87.7	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
503	-77.1	-77.9	1032.0	-87.5	-88.1			1018.4			1034.3	0	0	0	0	0	0	0
504	-77.1	-77.9	1031.9	-87.7	-88.3	-90.1	-90.7	1018.4	-80.1	-80.5	1034.5	0	0	0	0	0	0	0
505	-77.1	-77.8	1031.9	-87.7	-88.4			1018.3			1034.5	0	0	0	0	0	0	0
506	-77.1	-77.9	1032.0	-87.5	-88.4			1018.3			1034.6	0	0	0	0	0	0	0
507	-77.1	-77.8	1032.0	-87.7	-88.4			1018.3			1034.5	0	0	0	0	0	0	0
508	-77.1	-77.9	1031.9	-87.5	-88.3			1018.3	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
509	-77.1	-77.9	1031.9	-87.7	-88.4			1018.3			1034.6	0	0	0	0	0	0	0
510	-76.9	-77.8	1032.0	-87.7	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
511	-77.1	-77.9	1032.0	-87.7	-88.3			1018.3			1034.6	0	0	0	0	0	0	0
512	-77.1	-77.8	1031.9	-87.7	-88.3	-90.0	-90.6	1018.3	-80.1	-80.4	1034.4	0	0	0	0	0	0	0
513	-76.9	-77.9	1032.0	-87.5	-88.3			1018.3			1034.4	0	0	0	0	0	0	0
514	-76.9	-77.8	1032.1	-87.5	-88.3			1018.3			1034.6	0	0	0	0	0	0	0
515	-77.1	-77.9	1032.0	-87.5	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
516	-77.1	-77.9	1032.0	-87.5	-88.2			1018.3	-80.1	-80.6	1034.4	0	0	0	0	0	0	0
517	-77.1	-77.9	1032.0	-87.7	-88.2			1018.3			1034.4	0	0	0	0	0	0	0
518	-76.9	-77.7	1031.9	-87.7	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
519	-76.8	-77.8	1031.9	-87.7	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
520	-76.9	-78.0	1032.0	-87.5	-88.3	-90.2	-90.8	1018.3	-80.1	-80.5	1034.5	0	0	0	0	0	0	0
521	-76.9	-77.8	1031.9	-87.5	-88.2			1018.4			1034.4	0	0	0	0	0	0	0
522	-76.9	-77.9	1032.0	-87.5	-88.3			1018.2			1034.5	0	0	0	0	0	0	0
523	-76.9	-77.9	1031.9	-87.5	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
524	-76.9	-77.9	1032.0	-87.4	-88.2			1018.3	-80.1	-80.4	1034.4	0	0	0	0	0	0	0
525	-76.9	-77.8	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
526	-77.1	-77.9	1032.0	-87.5	-88.3			1018.3			1034.4	0	0	0	0	0	0	0
527	-76.8	-77.8	1031.9	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
528	-76.9	-77.8	1032.0	-87.4	-88.2	-90.1	-90.8	1018.3	-80.1	-80.4	1034.4	0	0	0	0	0	0	0
529	-76.9	-77.8	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
530	-76.8	-77.8	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
531	-76.9	-77.8	1032.0	-87.5	-88.4			1018.2			1034.5	0	0	0	0	0	0	0
532	-76.9	-77.8	1032.0	-87.6	-88.3			1018.3	-80.2	-80.4	1034.5	0	0	0	0	0	0	0
533	-76.9	-77.8	1032.0	-87.4	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
534	-76.9	-77.8	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
535	-76.9	-77.7	1032.0	-87.5	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
536	-76.9	-77.8	1031.9	-87.5	-88.3	-90.1	-90.6	1018.2	-80.2	-80.4	1034.5	0	0	0	0	0	0	0
537	-76.8	-77.8	1032.0	-87.5	-88.3			1018.3			1034.4	0	0	0	0	0	0	0
538	-76.8	-77.8	1032.0	-87.5	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
539	-76.9	-77.9	1032.0	-87.5	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
540	-76.8	-77.8	1032.0	-87.6	-88.3			1018.3	-80.2	-80.4	1034.5	0	0	0	0	0	0	0
541	-76.7	-77.8	1032.0	-87.5	-88.2			1018.4			1034.5	0	0	0	0	0	0	0
542	-76.8	-77.8	1032.0	-87.5	-88.2			1018.3			1034.4	0	0	0	0	0	0	0
543	-77.1	-77.9	1031.9	-87.4	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
544	-76.9	-77.9	1032.1	-87.5	-88.2	-90.1	-90.8	1018.3	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
545	-76.8	-77.7	1032.0	-87.4	-88.3			1018.4			1034.4	0	0	0	0	0	0	0
546	-76.8	-77.9	1032.0	-87.4	-88.0			1018.3			1034.4	0	0	0	0	0	0	0
547	-76.8	-77.6	1031.9	-87.6	-88.2			1018.3			1034.7	0	0	0	0	0	0	0
548	-76.9	-77.7	1032.1	-87.5	-88.2			1018.4	-80.1	-80.5	1034.7	0	0	0	0	0	0	0
549	-76.9	-77.9	1031.9	-87.4	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
550	-76.9	-77.7	1032.1	-87.4	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
551	-76.9	-77.7	1032.0	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
552	-76.9	-77.9	1032.0	-87.5	-88.2	-90.1	-90.6	1018.4	-79.9	-80.4	1034.4	0	0	0	0	0	0	0
553	-76.8	-77.9	1032.0	-87.5	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
554	-76.9	-77.7	1032.0	-87.5	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
555	-76.8	-77.7	1032.1	-87.5	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
556	-76.9	-77.7	1031.9	-87.4	-88.3			1018.3	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
557	-76.8	-77.9	1032.1	-87.5	-88.1			1018.4			1034.4	0	0	0	0	0	0	0
558	-76.8	-77.6	1032.1	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
559	-76.8	-77.6	1032.0	-87.5	-88.1			1018.4			1034.7	0	0	0	0	0	0	0
560	-76.8	-77.7	1032.0	-87.5	-88.1	-90.0	-90.8	1018.4	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
561	-76.7	-77.5	1031.9	-87.5	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
562	-76.8	-77.7	1032.0	-87.5	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
563	-76.8	-77.9	1032.0	-87.4	-88.2			1018.3			1034.5	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
564	-76.9	-77.9	1032.1	-87.5	-88.2			1018.4	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
565	-76.7	-77.6	1032.1	-87.5	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
566	-76.9	-77.7	1032.0	-87.4	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
567	-76.9	-77.9	1032.0	-87.5	-87.9			1018.4			1034.5	0	0	0	0	0	0	0
568	-76.8	-77.9	1032.1	-87.5	-88.2	-90.1	-90.8	1018.4	-79.9	-80.5	1034.5	0	0	0	0	0	0	0
569	-76.9	-77.6	1031.9	-87.5	-88.2			1018.3			1034.5	0	0	0	0	0	0	0
570	-76.8	-77.7	1032.1	-87.4	-88.2			1018.3			1034.7	0	0	0	0	0	0	0
571	-76.8	-77.7	1032.0	-87.5	-88.2			1018.3			1034.5	0	0	0	0	0	0	0
572	-76.8	-77.7	1032.1	-87.5	-88.0			1018.4	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
573	-76.8	-77.6	1032.0	-87.5	-88.2			1018.3			1034.5	0	0	0	0	0	0	0
574	-76.8	-77.7	1032.0	-87.4	-88.3			1018.3			1034.5	0	0	0	0	0	0	0
575	-76.8	-77.6	1032.0	-87.5	-88.2			1018.4			1034.5	0	0	0	0	0	0	0
576	-76.8	-77.7	1032.1	-87.4	-88.2	-90.1	-90.6	1018.4	-79.9	-80.4	1034.5	0	0	0	0	0	0	0
577	-76.9	-77.6	1032.0	-87.4	-88.2			1018.4			1034.5	0	0	0	0	0	0	0
578	-76.8	-77.6	1032.0	-87.4	-88.2			1018.4			1034.5	0	0	0	0	0	0	0
579	-76.8	-77.7	1032.1	-87.4	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
580	-76.7	-77.7	1032.0	-87.5	-88.1			1018.2	-80.1	-80.4	1034.5	0	0	0	0	0	0	0
581	-76.8	-77.7	1032.0	-87.4	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
582	-76.8	-77.6	1031.8	-87.4	-88.1			1018.2			1034.4	0	0	0	0	0	0	0
583	-76.8	-77.6	1032.0	-87.4	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
584	-76.9	-77.9	1032.0	-87.4	-88.1	-90.1	-90.7	1018.4	-79.9	-80.4	1034.6	0	0	0	0	0	0	0
585	-76.8	-77.5	1032.0	-87.4	-88.1			1018.2			1034.5	0	0	0	0	0	0	0
586	-76.7	-77.7	1032.0	-87.5	-88.1			1018.2			1034.5	0	0	0	0	0	0	0
587	-76.8	-77.7	1032.0	-87.5	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
588	-76.8	-77.7	1032.0	-87.4	-88.1			1018.3	-79.8	-80.4	1034.5	0	0	0	0	0	0	0
589	-76.8	-77.7	1032.1	-87.4	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
590	-76.8	-77.7	1032.0	-87.4	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
591	-76.7	-77.6	1032.1	-87.2	-88.0			1018.4			1034.4	0	0	0	0	0	0	0
592	-76.8	-77.6	1032.0	-87.2	-88.1	-90.1	-90.7	1018.4	-79.9	-80.2	1034.5	0	0	0	0	0	0	0
593	-76.8	-77.6	1032.0	-87.4	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
594	-76.7	-77.6	1032.0	-87.4	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
595	-76.7	-77.7	1032.1	-87.5	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
596	-76.8	-77.7	1032.0	-87.4	-88.1			1018.4	-79.8	-80.2	1034.4	0	0	0	0	0	0	0
597	-76.6	-77.7	1032.1	-87.4	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
598	-76.8	-77.6	1032.0	-87.4	-88.3			1018.4			1034.5	0	0	0	0	0	0	0
599	-76.8	-77.6	1032.0	-87.4	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
600	-76.7	-77.7	1032.1	-87.4	-88.0	-90.0	-90.6	1018.4	-79.9	-80.1	1034.5	0	0	0	0	0	0	0
601	-76.8	-77.6	1032.1	-87.2	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
602	-76.7	-77.7	1032.1	-87.4	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
603	-76.8	-77.7	1032.0	-87.2	-88.1			1018.4			1034.4	0	0	0	0	0	0	0
604	-76.8	-77.7	1032.0	-87.4	-88.0			1018.4	-79.9	-80.2	1034.5	0	0	0	0	0	0	0
605	-76.7	-77.6	1032.0	-87.5	-88.1			1018.3			1034.6	0	0	0	0	0	0	0
606	-76.8	-77.6	1032.0	-87.4	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
607	-76.8	-77.6	1032.0	-87.4	-88.1			1018.4			1034.4	0	0	0	0	0	0	0
608	-76.7	-77.6	1032.0	-87.2	-88.0	-89.8	-90.6	1018.4	-79.9	-80.2	1034.5	0	0	0	0	0	0	0
609	-76.7	-77.6	1032.1	-87.2	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
610	-76.7	-77.6	1032.1	-87.3	-88.0			1018.6			1034.5	0	0	0	0	0	0	0
611	-76.7	-77.7	1032.1	-87.3	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
612	-76.8	-77.6	1032.0	-87.1	-88.1			1018.4	-79.8	-80.2	1034.4	0	0	0	0	0	0	0
613	-76.7	-77.6	1032.1	-87.2	-88.0			1018.4			1034.4	0	0	0	0	0	0	0
614	-76.7	-77.7	1032.1	-87.3	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
615	-76.7	-77.7	1032.1	-87.3	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
616	-76.8	-77.6	1032.1	-87.2	-88.0	-89.8	-90.6	1018.4	-79.9	-80.1	1034.6	0	0	0	0	0	0	0
617	-76.7	-77.6	1032.1	-87.3	-87.9			1018.4			1034.6	0	0	0	0	0	0	0
618	-76.7	-77.6	1032.1	-87.3	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
619	-76.8	-77.5	1032.0	-87.3	-88.1			1018.3			1034.6	0	0	0	0	0	0	0
620	-76.7	-77.6	1032.1	-87.3	-88.0			1018.4	-79.9	-80.2	1034.5	0	0	0	0	0	0	0
621	-76.7	-77.6	1032.0	-87.3	-88.0			1018.3			1034.5	0	0	0	0	0	0	0
622	-76.8	-77.6	1032.0	-87.2	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
623	-76.8	-77.6	1032.0	-87.2	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
624	-76.8	-77.6	1032.1	-87.2	-88.0	-89.9	-90.6	1018.3	-79.8	-80.2	1034.4	0	0	0	0	0	0	0
625	-76.8	-77.6	1032.0	-87.2	-88.0			1018.3			1034.5	0	0	0	0	0	0	0
626	-76.8	-77.6	1032.0	-87.2	-88.0			1018.3			1034.5	0	0	0	0	0	0	0
627	-76.8	-77.6	1032.1	-87.2	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
628	-76.7	-77.5	1032.1	-87.3	-88.0			1018.4	-79.9	-80.2	1034.7	0	0	0	0	0	0	0
629	-76.7	-77.6	1032.1	-87.3	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
630	-76.8	-77.4	1032.1	-87.3	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
631	-76.7	-77.6	1032.0	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
632	-76.7	-77.6	1032.0	-87.2	-88.1	-89.9	-90.6	1018.4	-79.9	-80.1	1034.7	0	0	0	0	0	0	0
633	-76.7	-77.6	1032.1	-87.3	-88.1			1018.4			1034.7	0	0	0	0	0	0	0
634	-76.7	-77.6	1032.0	-87.3	-88.1			1018.3			1034.7	0	0	0	0	0	0	0
635	-76.7	-77.6	1032.0	-87.3	-88.1			1018.3			1034.5	0	0	0	0	0	0	0
636	-76.7	-77.6	1032.0	-87.2	-88.1			1018.4	-79.9	-80.3	1034.7	0	0	0	0	0	0	0
637	-76.5	-77.6	1032.1	-87.2	-88.1			1018.4			1034.5	0	0	0	0	0	0	0
638	-76.7	-77.6	1032.0	-87.2	-88.0			1018.4			1034.5	0	0	0	0	0	0	0
639	-76.8	-77.4	1032.0	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
640	-76.7	-77.6	1032.0	-87.2	-88.0	-89.8	-90.6	1018.4	-79.8	-80.2	1034.7	0	0	0	0	0	0	0
641	-76.6	-77.5	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
642	-76.5	-77.6	1032.2	-87.2	-88.0			1018.4			1034.6	0	0	0	0	0	0	0
643	-76.6	-77.6	1032.1	-87.3	-88.0			1018.4			1034.6	0	0	0	0	0	0	0
644	-76.7	-77.6	1032.0	-87.2	-88.0			1018.4	-79.8	-80.2	1034.6	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
645	-76.6	-77.6	1032.1	-87.2	-88.0			1018.3			1034.7	0	0	0	0	0	0	0
646	-76.7	-77.5	1032.1	-87.2	-88.0			1018.5			1034.6	0	0	0	0	0	0	0
647	-76.6	-77.6	1032.0	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
648	-76.6	-77.5	1032.1	-87.2	-87.9	-89.9	-90.6	1018.4	-79.8	-80.2	1034.6	0	0	0	0	0	0	0
649	-76.6	-77.7	1032.1	-87.1	-88.0			1018.4			1034.6	0	0	0	0	0	0	0
650	-76.6	-77.6	1032.1	-87.2	-88.0			1018.5			1034.6	0	0	0	0	0	0	0
651	-76.6	-77.6	1032.1	-87.2	-87.9			1018.4			1034.7	0	0	0	0	0	0	0
652	-76.5	-77.6	1032.1	-87.2	-88.0			1018.4	-79.8	-80.1	1034.6	0	0	0	0	0	0	0
653	-76.4	-77.6	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
654	-76.5	-77.6	1032.1	-87.3	-87.9			1018.4			1034.6	0	0	0	0	0	0	0
655	-76.4	-77.6	1032.1	-87.3	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
656	-76.5	-77.7	1032.1	-87.1	-88.0	-89.8	-90.6	1018.4	-79.7	-80.2	1034.7	0	0	0	0	0	0	0
657	-76.5	-77.6	1032.1	-87.3	-87.9			1018.4			1034.7	0	0	0	0	0	0	0
658	-76.5	-77.5	1032.1	-87.2	-87.9			1018.4			1034.8	0	0	0	0	0	0	0
659	-76.5	-77.5	1032.1	-87.2	-87.9			1018.4			1034.7	0	0	0	0	0	0	0
660	-76.6	-77.6	1032.1	-87.2	-88.0			1018.5	-79.7	-80.1	1034.6	0	0	0	0	0	0	0
661	-76.5	-77.7	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
662	-76.5	-77.5	1032.1	-87.2	-88.0			1018.4			1034.6	0	0	0	0	0	0	0
663	-76.5	-77.6	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
664	-76.5	-77.5	1032.1	-87.1	-88.1	-89.8	-90.4	1018.4	-79.7	-80.2	1034.7	0	0	0	0	0	0	0
665	-76.5	-77.6	1032.1	-87.3	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
666	-76.5	-77.5	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
667	-76.5	-77.5	1032.1	-87.2	-88.0			1018.4			1034.6	0	0	0	0	0	0	0
668	-76.6	-77.5	1032.0	-87.2	-88.0			1018.4	-79.6	-80.1	1034.7	0	0	0	0	0	0	0
669	-76.6	-77.5	1032.0	-87.2	-88.0			1018.3			1034.7	0	0	0	0	0	0	0
670	-76.5	-77.5	1032.0	-87.1	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
671	-76.5	-77.7	1032.1	-87.2	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
672	-76.5	-77.6	1032.1	-87.2	-87.8	-89.9	-90.6	1018.4	-79.7	-80.1	1034.5	0	0	0	0	0	0	0
673	-76.5	-77.6	1032.1	-87.2	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
674	-76.5	-77.6	1032.2	-87.2	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
675	-76.6	-77.5	1032.1	-87.1	-87.8			1018.5			1034.5	0	0	0	0	0	0	0
676	-76.6	-77.5	1032.1	-87.1	-87.8			1018.4	-79.7	-80.2	1034.7	0	0	0	0	0	0	0
677	-76.5	-77.3	1032.0	-87.1	-88.0			1018.5			1034.7	0	0	0	0	0	0	0
678	-76.5	-77.3	1032.1	-87.1	-87.8			1018.3			1034.5	0	0	0	0	0	0	0
679	-76.5	-77.5	1032.0	-87.1	-88.0			1018.3			1034.7	0	0	0	0	0	0	0
680	-76.6	-77.5	1032.0	-87.1	-88.0	-89.8	-90.6	1018.4	-79.7	-80.2	1034.7	0	0	0	0	0	0	0
681	-76.3	-77.4	1032.1	-87.3	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
682	-76.5	-77.4	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
683	-76.3	-77.6	1032.1	-87.1	-87.8			1018.5			1034.6	0	0	0	0	0	0	0
684	-76.5	-77.3	1032.1	-87.1	-88.0			1018.4	-79.7	-80.1	1034.7	0	0	0	0	0	0	0
685	-76.5	-77.4	1032.1	-87.2	-88.0			1018.4			1034.7	0	0	0	0	0	0	0
686	-76.5	-77.4	1032.1	-87.2	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
687	-76.5	-77.4	1032.1	-87.2	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
688	-76.5	-77.4	1032.1	-87.1	-87.8	-89.8	-90.6	1018.5	-79.6	-80.1	1034.7	0	0	0	0	0	0	0
689	-76.5	-77.4	1032.1	-87.1	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
690	-76.5	-77.4	1032.1	-87.1	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
691	-76.5	-77.4	1032.1	-86.9	-87.8			1018.4			1034.6	0	0	0	0	0	0	0
692	-76.3	-77.3	1032.1	-87.1	-88.0			1018.4	-79.6	-80.1	1034.7	0	0	0	0	0	0	0
693	-76.3	-77.4	1032.1	-87.1	-87.8			1018.5			1034.6	0	0	0	0	0	0	0
694	-76.3	-77.6	1032.2	-87.2	-87.7			1018.5			1034.7	0	0	0	0	0	0	0
695	-76.5	-77.4	1032.1	-87.1	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
696	-76.4	-77.6	1032.1	-87.1	-88.0	-89.8	-90.4	1018.5	-79.6	-80.1	1034.7	0	0	0	0	0	0	0
697	-76.4	-77.4	1032.1	-87.1	-87.8			1018.5			1034.7	0	0	0	35	0	0	0
698	-76.4	-77.4	1032.0	-87.1	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
699	-76.4	-77.3	1032.0	-86.9	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
700	-76.4	-77.4	1032.2	-86.9	-87.8			1018.4	-79.4	-80.1	1034.7	0	0	0	0	0	0	0
701	-76.4	-77.3	1032.0	-87.0	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
702	-76.3	-77.3	1032.1	-87.0	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
703	-76.3	-77.6	1032.1	-87.0	-87.7			1018.4			1034.7	0	0	0	0	0	0	0
704	-76.3	-77.6	1032.1	-87.0	-87.8	-89.6	-90.5	1018.5	-79.4	-80.1	1034.7	0	0	0	0	0	0	0
705	-76.3	-77.4	1032.2	-86.9	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
706	-76.4	-77.4	1032.0	-87.0	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
707	-76.4	-77.3	1032.1	-86.9	-87.9			1018.4			1034.7	0	0	0	0	0	0	0
708	-76.2	-77.4	1032.2	-86.9	-87.8			1018.4	-79.6	-80.1	1034.7	0	0	0	0	0	0	0
709	-76.3	-77.3	1032.1	-87.0	-87.9			1018.4			1034.7	0	0	0	0	0	0	0
710	-76.4	-77.4	1032.1	-87.0	-87.8			1018.4			1034.8	0	0	0	0	0	0	0
711	-76.3	-77.4	1032.1	-86.9	-87.9			1018.5			1034.7	0	0	0	0	0	0	0
712	-76.3	-77.4	1032.1	-86.9	-87.7	-89.6	-90.4	1018.5	-79.4	-80.0	1034.7	0	0	0	0	0	0	0
713	-76.3	-77.4	1032.2	-86.9	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
714	-76.3	-77.3	1032.1	-87.0	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
715	-76.3	-77.4	1032.1	-87.2	-87.8			1018.4			1034.8	0	0	0	0	0	0	0
716	-76.4	-77.4	1032.1	-87.0	-87.7			1018.5	-79.4	-80.0	1034.7	0	0	0	0	0	0	0
717	-76.3	-77.4	1032.1	-87.0	-87.7			1018.6			1034.7	0	0	0	0	0	0	0
718	-76.3	-77.4	1032.2	-86.9	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
719	-76.3	-77.3	1032.1	-87.0	-87.8			1018.4			1034.7	0	0	0	0	0	0	0
720	-76.3	-77.4	1032.1	-86.9	-87.8	-89.6	-90.4	1018.4	-79.6	-80.0	1034.6	0	0	0	0	0	0	0
721	-76.4	-77.4	1032.1	-87.0	-87.7			1018.5			1034.6	0	0	0	0	0	0	0
722	-76.3	-77.3	1032.1	-86.9	-87.7			1018.5			1034.6	0	0	0	0	0	0	0
723	-76.2	-77.3	1032.1	-87.0	-87.8			1018.4			1034.6	0	0	0	0	0	0	0
724	-76.2	-77.4	1032.3	-86.9	-87.7			1018.4	-79.4	-80.0	1034.6	0	0	0	0	0	0	0
725	-76.4	-77.3	1032.1	-86.9	-87.8			1018.4			1034.6	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
726	-76.3	-77.4	1032.2	-86.9	-87.7			1018.5			1034.6	0	0	0	0	0	0	0
727	-76.2	-77.4	1032.2	-86.9	-87.8			1018.5			1034.8	0	0	0	0	0	0	0
728	-76.2	-77.3	1032.1	-86.9	-87.8	-89.7	-90.5	1018.5	-79.3	-80.1	1034.7	0	0	0	0	0	0	0
729	-76.3	-77.4	1032.1	-86.8	-87.8			1018.5			1034.8	0	0	0	0	0	0	0
730	-76.0	-77.2	1032.2	-86.9	-87.9			1018.5			1034.8	0	0	0	0	0	0	0
731	-76.3	-77.3	1032.0	-87.0	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
732	-76.3	-77.4	1032.1	-86.9	-87.7			1018.5	-79.4	-79.9	1034.7	0	0	0	0	0	0	0
733	-76.2	-77.4	1032.1	-86.9	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
734	-76.2	-77.3	1032.1	-86.9	-87.8			1018.4			1034.8	0	0	0	0	0	0	0
735	-76.3	-77.3	1032.1	-86.9	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
736	-76.3	-77.4	1032.2	-86.8	-87.7	-89.6	-90.4	1018.6	-79.3	-79.9	1034.7	0	0	0	0	0	0	0
737	-76.2	-77.3	1032.1	-86.7	-87.8			1018.4			1034.7	0	0	0	0	0	0	79
738	-76.2	-77.3	1032.1	-86.7	-87.8			1018.5			1034.7	0	0	0	176	44	0	192
739	-76.2	-77.4	1032.2	-86.9	-87.6			1018.6			1034.7	68	52	0	0	0	156	40
740	-76.2	-77.3	1032.0	-86.8	-87.8			1018.5	-79.3	-79.9	1034.7	57	0	0	0	76	0	54
741	-76.2	-77.3	1032.1	-86.9	-87.7			1018.5			1034.8	0	0	0	73	0	0	0
742	-76.2	-77.2	1032.1	-86.9	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
743	-76.3	-77.3	1032.1	-86.8	-87.9			1018.5			1034.7	0	0	0	0	0	0	0
744	-76.2	-77.4	1032.2	-86.9	-87.6	-89.6	-90.3	1018.6	-79.2	-79.9	1034.7	0	0	0	0	0	0	0
745	-76.2	-77.4	1032.2	-86.8	-87.8			1018.5			1034.7	0	0	0	0	0	0	0
746	-76.2	-77.3	1032.1	-86.8	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
747	-76.2	-77.3	1032.2	-86.8	-87.7			1018.6			1034.7	0	0	0	0	0	0	0
748	-76.2	-77.3	1032.1	-86.8	-87.8			1018.5	-79.3	-79.9	1034.8	0	0	0	0	0	0	0
749	-76.1	-77.4	1032.2	-86.7	-87.7			1018.5			1034.7	0	0	0	0	0	0	0
750	-76.1	-77.4	1032.2	-86.9	-87.6			1018.5			1034.8	0	0	0	0	0	0	0
751	-76.1	-77.3	1032.2	-86.9	-87.7			1018.4			1034.8	0	0	0	0	0	0	0
752	-76.2	-77.3	1032.2	-86.8	-87.6	-89.8	-90.3	1018.5	-79.2	-80.0	1034.7	0	0	0	0	0	0	0
753	-76.1	-77.3	1032.1	-86.9	-87.7			1018.5			1034.7	0	0	0	0	0	0	0
754	-76.2	-77.2	1032.2	-86.9	-87.7			1018.4			1034.8	0	0	0	0	0	0	0
755	-76.2	-77.3	1032.1	-86.8	-87.7			1018.5			1034.7	0	0	0	0	0	0	0
756	-76.2	-77.3	1032.2	-86.8	-87.7			1018.6	-79.1	-79.8	1034.7	0	0	0	0	0	0	0
757	-76.1	-77.3	1032.2	-86.9	-87.7			1018.4			1034.7	0	0	0	0	0	0	0
758	-76.1	-77.3	1032.1	-86.8	-87.6			1018.5			1034.7	0	0	0	0	0	0	0
759	-76.2	-77.2	1032.1	-86.8	-87.7			1018.6			1034.7	0	0	0	0	0	0	0
760	-76.2	-77.3	1032.2	-86.7	-87.7	-89.6	-90.5	1018.5	-79.2	-79.9	1034.7	0	0	0	0	0	0	0
761	-76.1	-77.4	1032.2	-86.8	-87.6			1018.6			1034.7	0	0	0	0	0	0	0
762	-76.1	-77.3	1032.2	-86.6	-87.6			1018.6			1034.8	0	0	0	0	0	0	0
763	-75.9	-77.4	1032.2	-86.6	-87.6			1018.5			1034.8	0	0	0	0	0	0	0
764	-76.1	-77.3	1032.2	-86.6	-87.7			1018.6	-79.0	-79.9	1034.7	0	0	0	0	0	0	0
765	-76.1	-77.3	1032.2	-86.8	-87.7			1018.6			1034.7	0	0	0	0	0	0	0
766	-76.1	-77.3	1032.2	-86.5	-87.6			1018.6			1034.7	0	0	0	0	0	0	0
767	-76.1	-77.3	1032.2	-86.8	-87.6			1018.6			1034.8	0	0	0	0	0	0	0
768	-76.0	-77.3	1032.3	-86.6	-87.7	-89.6	-90.3	1018.6	-79.1	-79.8	1034.8	0	0	0	0	0	0	0
769	-76.0	-77.4	1032.2	-86.8	-87.5			1018.6			1034.7	0	0	0	0	0	0	0
770	-76.0	-77.3	1032.3	-86.6	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
771	-76.0	-77.3	1032.3	-86.8	-87.5			1018.4			1034.9	0	0	0	0	0	0	0
772	-76.0	-77.3	1032.2	-86.6	-87.7			1018.5	-79.1	-79.8	1034.7	0	0	0	0	0	0	0
773	-76.0	-77.1	1032.2	-86.8	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
774	-76.0	-77.1	1032.3	-86.8	-87.5			1018.5			1034.8	0	0	0	0	0	0	0
775	-76.1	-77.1	1032.1	-86.8	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
776	-76.0	-77.1	1032.1	-86.6	-87.5	-89.6	-90.4	1018.5	-79.0	-79.9	1034.8	0	0	0	0	0	0	0
777	-76.0	-77.3	1032.1	-86.5	-87.8			1018.6			1034.8	0	0	0	0	0	0	0
778	-76.0	-77.1	1032.2	-86.6	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
779	-76.0	-77.3	1032.2	-86.5	-87.7			1018.5			1034.8	0	0	0	0	0	0	0
780	-75.8	-77.3	1032.3	-86.6	-87.4			1018.6	-79.0	-79.9	1034.8	0	0	0	0	0	0	0
781	-76.0	-77.3	1032.3	-86.6	-87.7			1018.6			1034.8	0	0	0	0	0	0	0
782	-76.0	-77.1	1032.3	-86.6	-87.5			1018.6			1034.9	0	0	0	0	0	0	0
783	-76.0	-77.1	1032.3	-86.6	-87.5			1018.6			1034.9	0	0	0	0	0	0	0
784	-75.7	-77.1	1032.3	-86.6	-87.5	-89.7	-90.4	1018.6	-78.9	-79.9	1034.9	0	0	0	0	0	0	0
785	-75.7	-77.1	1032.3	-86.6	-87.7			1018.6			1034.9	0	0	0	0	0	0	0
786	-75.8	-77.1	1032.3	-86.6	-87.4			1018.6			1034.8	0	0	0	0	0	0	0
787	-76.0	-77.3	1032.3	-86.6	-87.7			1018.5			1034.9	0	0	0	0	0	0	0
788	-75.8	-77.3	1032.3	-86.6	-87.5			1018.6	-78.9	-79.8	1034.8	0	0	0	0	0	0	0
789	-75.8	-77.1	1032.3	-86.5	-87.4			1018.6			1034.9	0	0	0	0	0	0	0
790	-75.7	-77.3	1032.3	-86.4	-87.4			1018.6			1034.8	0	0	0	0	0	0	0
791	-75.7	-77.1	1032.5	-86.5	-87.5			1018.6			1034.9	0	0	0	0	0	0	0
792	-75.7	-77.1	1032.3	-86.5	-87.5	-89.6	-90.3	1018.6	-78.8	-79.7	1034.8	0	0	0	0	0	0	0
793	-75.8	-77.3	1032.3	-86.5	-87.4			1018.7			1034.8	0	0	0	0	0	0	0
794	-75.7	-77.0	1032.3	-86.5	-87.5			1018.6			1034.8	0	0	0	0	0	0	0
795	-75.7	-77.3	1032.3	-86.5	-87.5			1018.6			1034.8	0	0	0	0	0	0	0
796	-75.7	-77.1	1032.3	-86.5	-87.5			1018.5	-78.8	-79.7	1034.9	0	0	0	0	0	0	0
797	-75.8	-77.0	1032.2	-86.5	-87.7			1018.5			1034.9	0	0	0	0	0	0	0
798	-75.7	-77.1	1032.3	-86.4	-87.4			1018.6			1034.9	0	0	0	0	0	0	0
799	-75.7	-77.0	1032.3	-86.5	-87.5			1018.5			1034.8	0	0	0	0	0	0	0
800	-75.8	-77.1	1032.2	-86.4	-87.5	-89.5	-90.4	1018.6	-78.7	-79.7	1034.9	0	0	0	0	0	0	0
801	-75.7	-77.1	1032.2	-86.4	-87.5			1018.6			1034.8	0	0	0	0	0	0	0
802	-75.7	-77.1	1032.3	-86.5	-87.5			1018.5			1034.9	0	0	0	0	0	0	0
803	-75.7	-77.1	1032.3	-86.2	-87.5			1018.6			1034.9	0	0	0	0	0	0	0
804	-75.7	-77.0	1032.3	-86.4	-87.4			1018.7	-78.6	-79.9	1034.8	0	0	0	0	0	0	0
805	-75.7	-77.1	1032.3	-86.4	-87.4			1018.7			1034.8	0	0	0	0	0	0	0
806	-75.7	-77.1	1032.5	-86.4	-87.5			1018.7			1034.8	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
807	-75.6	-77.1	1032.5	-86.4	-87.3			1018.7			1034.9	0	0	0	0	0	0	0
808	-75.5	-77.1	1032.4	-86.4	-87.4	-89.6	-90.4	1018.7	-78.5	-79.7	1034.9	0	0	0	0	0	0	0
809	-75.5	-77.0	1032.4	-86.2	-87.4			1018.6			1035.0	0	0	0	0	0	0	0
810	-75.5	-77.1	1032.3	-86.4	-87.5			1018.6			1035.0	0	0	0	0	0	0	0
811	-75.6	-77.0	1032.3	-86.4	-87.5			1018.6			1034.9	0	0	0	0	0	0	0
812	-75.6	-77.0	1032.3	-86.4	-87.5			1018.7	-78.5	-79.7	1034.9	0	0	0	0	0	0	0
813	-75.5	-77.0	1032.4	-86.2	-87.5			1018.7			1034.9	0	0	0	0	0	0	0
814	-75.6	-77.0	1032.4	-86.1	-87.5			1018.9			1034.9	0	0	0	0	0	0	0
815	-75.5	-77.0	1032.4	-86.2	-87.4			1018.7			1035.0	0	0	0	0	0	0	0
816	-75.5	-77.0	1032.4	-86.2	-87.4	-89.6	-90.2	1018.7	-78.5	-79.8	1035.0	0	0	0	0	0	0	0
817	-75.5	-76.8	1032.4	-86.2	-87.3			1018.7			1034.9	0	0	0	0	0	0	0
818	-75.4	-77.0	1032.4	-86.1	-87.4			1018.7			1035.0	0	0	0	0	0	0	0
819	-75.5	-76.8	1032.3	-86.2	-87.4			1018.7			1035.0	0	0	0	0	0	0	0
820	-75.4	-76.8	1032.6	-86.2	-87.4			1018.7	-78.3	-79.7	1034.9	0	0	0	0	0	0	0
821	-75.4	-77.0	1032.4	-86.1	-87.2			1018.7			1034.9	0	0	0	0	0	0	0
822	-75.4	-76.8	1032.4	-86.2	-87.4			1018.7			1035.0	0	0	0	0	0	0	0
823	-75.4	-77.0	1032.4	-86.1	-87.4			1018.7			1034.9	0	0	0	0	0	0	0
824	-75.2	-77.0	1032.6	-86.1	-87.2	-89.5	-90.4	1018.7	-78.1	-79.8	1034.9	0	0	0	0	0	0	0
825	-75.2	-76.8	1032.4	-86.1	-87.5			1018.7			1034.9	0	0	0	0	0	0	0
826	-75.1	-76.8	1032.6	-86.1	-87.5			1018.9			1034.9	0	0	0	0	0	0	0
827	-75.2	-77.0	1032.6	-86.2	-87.4			1018.7			1035.0	0	0	0	0	0	0	0
828	-75.2	-76.8	1032.4	-86.0	-87.2			1018.9	-78.0	-79.7	1035.0	0	0	0	0	0	0	0
829	-75.0	-76.7	1032.4	-86.0	-87.4			1018.9			1035.0	0	0	0	0	0	0	0
830	-75.2	-76.8	1032.4	-86.0	-87.2			1018.9			1035.0	0	0	0	0	0	0	0
831	-75.0	-77.0	1032.6	-86.1	-87.4			1019.0			1035.0	0	0	0	0	0	0	0
832	-75.0	-76.8	1032.5	-86.0	-87.4	-89.4	-90.4	1018.9	-77.8	-79.6	1035.0	0	0	0	0	0	0	0
833	-75.1	-77.0	1032.6	-85.9	-87.2			1018.9			1035.0	0	0	0	0	0	0	0
834	-75.0	-76.8	1032.6	-85.9	-87.4			1019.0			1035.1	0	0	0	0	0	0	0
835	-75.1	-77.0	1032.6	-85.8	-87.1			1018.9			1035.0	0	0	0	0	0	0	0
836	-74.8	-76.8	1032.5	-85.8	-87.2			1019.0	-77.7	-79.6	1035.0	0	0	0	0	0	0	0
837	-74.8	-76.8	1032.6	-85.8	-87.2			1018.9			1035.1	0	0	0	0	0	0	0
838	-74.8	-77.0	1032.7	-85.7	-87.2			1019.0			1035.1	0	0	0	0	0	0	0
839	-74.8	-76.8	1032.7	-85.7	-87.1			1019.0			1035.1	0	0	0	0	0	0	0
840	-74.7	-76.7	1032.7	-85.7	-87.2	-89.4	-90.4	1019.0	-77.6	-79.6	1035.1	0	0	0	0	0	0	0
841	-74.6	-76.8	1032.7	-85.7	-87.2			1019.0			1035.0	0	0	0	0	0	0	0
842	-74.7	-76.8	1032.7	-85.7	-87.2			1018.9			1035.1	0	0	0	0	0	0	0
843	-74.7	-76.7	1032.6	-85.7	-87.2			1019.1			1035.1	0	0	0	0	0	0	0
844	-74.6	-76.7	1032.8	-85.6	-87.4			1019.0	-77.2	-79.4	1035.1	0	0	0	0	0	0	0
845	-74.5	-76.8	1032.8	-85.6	-87.1			1019.1			1035.1	0	0	0	0	0	0	0
846	-74.5	-76.7	1032.8	-85.7	-87.2			1019.0			1035.3	0	0	0	0	0	0	0
847	-74.3	-76.8	1032.8	-85.4	-87.2			1019.1			1035.1	0	0	0	0	0	0	0
848	-74.4	-76.7	1032.8	-85.6	-87.2	-89.5	-90.2	1019.1	-76.9	-79.6	1035.2	0	0	0	0	0	0	0
849	-74.3	-76.7	1032.8	-85.6	-87.1			1019.1			1035.3	0	0	0	0	0	0	0
850	-74.3	-76.7	1032.8	-85.4	-87.0			1019.1			1035.3	0	0	0	0	0	0	0
851	-74.2	-76.7	1032.8	-85.3	-87.2			1019.2			1035.3	0	0	0	0	0	0	0
852	-74.1	-76.6	1032.8	-85.6	-87.1			1019.1	-76.7	-79.6	1035.3	0	0	0	0	0	0	0
853	-73.9	-76.6	1032.9	-85.3	-87.1			1019.1			1035.4	0	0	0	0	0	0	0
854	-74.1	-76.7	1032.9	-85.3	-87.1			1019.2			1035.3	0	0	0	0	0	0	0
855	-73.9	-76.7	1032.8	-85.3	-87.2			1019.2			1035.4	0	0	0	0	0	0	0
856	-73.8	-76.6	1032.9	-85.3	-87.0	-89.4	-90.1	1019.2	-76.4	-79.6	1035.4	0	0	0	0	0	0	0
857	-73.8	-76.7	1032.9	-85.2	-87.1			1019.2			1035.3	0	0	0	0	0	0	0
858	-73.8	-76.7	1032.9	-85.2	-87.1			1019.4			1035.4	0	0	0	0	0	0	0
859	-73.7	-76.8	1033.1	-85.2	-87.1			1019.2			1035.4	0	0	0	0	0	0	0
860	-73.7	-76.6	1033.1	-85.2	-87.1			1019.2	-76.2	-79.4	1035.4	0	0	0	0	0	0	0
861	-73.6	-76.7	1033.1	-85.0	-87.0			1019.2			1035.5	0	0	0	0	0	0	0
862	-73.7	-76.6	1032.9	-85.0	-87.0			1019.4			1035.3	0	0	0	0	0	0	0
863	-73.4	-76.6	1033.1	-85.0	-87.1			1019.4			1035.4	0	0	0	0	0	0	0
864	-73.3	-76.6	1033.2	-84.9	-87.0	-89.4	-90.2	1019.3	-75.7	-79.4	1035.6	0	0	0	0	0	0	0
865	-73.3	-76.4	1033.0	-84.8	-87.0			1019.5			1035.4	0	0	0	0	0	0	0
866	-73.2	-76.4	1033.0	-84.8	-87.0			1019.3			1035.5	0	0	0	0	0	0	0
867	-73.1	-76.6	1033.2	-84.8	-87.0			1019.5			1035.6	0	0	0	0	0	0	0
868	-73.1	-76.4	1033.2	-84.7	-87.0			1019.5	-75.4	-79.4	1035.5	0	0	0	0	0	0	0
869	-72.9	-76.4	1033.2	-84.7	-87.0			1019.5			1035.6	0	0	0	0	0	0	0
870	-72.9	-76.6	1033.2	-84.5	-87.0			1019.5			1035.6	0	0	0	0	0	0	0
871	-72.8	-76.4	1033.2	-84.5	-87.0			1019.6			1035.6	0	0	0	0	0	0	0
872	-72.5	-76.4	1033.3	-84.5	-86.8	-89.3	-90.2	1019.5	-75.0	-79.3	1035.6	0	0	0	0	0	0	0
873	-72.5	-76.4	1033.3	-84.3	-86.8			1019.6			1035.6	0	0	0	0	0	0	0
874	-72.4	-76.3	1033.3	-84.4	-86.8			1019.5			1035.7	0	0	0	0	0	0	0
875	-72.4	-76.3	1033.4	-84.3	-86.8			1019.6			1035.6	0	0	0	0	0	0	0
876	-72.3	-76.3	1033.3	-84.3	-86.8			1019.6	-74.5	-79.3	1035.7	0	0	0	0	0	0	0
877	-72.2	-76.4	1033.4	-84.1	-86.7			1019.7			1035.7	0	0	0	0	0	0	0
878	-72.2	-76.3	1033.4	-84.0	-86.8			1019.7			1035.7	0	0	0	0	0	0	0
879	-71.9	-76.3	1033.5	-84.1	-86.8			1019.8			1035.8	0	0	0	0	0	0	0
880	-71.8	-76.4	1033.5	-84.0	-86.7	-89.4	-90.2	1019.7	-73.9	-79.3	1035.8	0	0	0	0	0	0	0
881	-71.8	-76.2	1033.5	-83.9	-86.8			1019.7			1035.8	0	0	0	0	0	0	0
882	-71.6	-76.2	1033.6	-83.9	-86.7			1019.8			1036.0	0	0	0	0	0	0	0
883	-71.6	-76.2	1033.6	-83.7	-86.7			1019.8			1035.8	0	0	0	0	0	0	0
884	-71.3	-76.2	1033.7	-83.6	-86.6			1019.8	-73.4	-79.2	1036.0	0	0	0	0	0	0	0
885	-71.2	-76.1	1033.6	-83.6	-86.7			1019.8			1035.8	0	0	0	0	0	0	0
886	-71.2	-76.1	1033.7	-83.7	-86.7			1019.9			1036.1	0	0	0	0	0	0	0
887	-71.1	-76.1	1033.7	-83.5	-86.6			1019.9			1036.0	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
888	-71.0	-75.9	1033.7	-83.2	-86.6	-89.4	-90.1	1020.0	-72.8	-79.3	1036.1	0	0	0	0	0	0	0
889	-70.7	-76.1	1033.9	-83.2	-86.6			1019.9			1036.1	0	0	0	0	0	0	0
890	-70.6	-76.1	1033.9	-83.2	-86.6			1020.0			1036.1	0	0	0	0	0	0	0
891	-70.6	-76.1	1033.9	-83.1	-86.6			1020.2			1036.1	0	0	0	0	0	0	0
892	-70.3	-75.9	1034.0	-83.0	-86.6			1020.2	-72.0	-79.2	1036.2	0	0	0	0	0	0	0
893	-70.2	-75.9	1033.9	-82.9	-86.4			1020.3			1036.1	0	0	0	0	0	0	0
894	-69.8	-75.8	1034.0	-82.9	-86.6			1020.2			1036.3	0	0	0	0	0	0	0
895	-69.8	-76.1	1034.0	-82.6	-86.4			1020.3			1036.2	0	0	0	0	0	0	0
896	-69.6	-75.8	1034.1	-82.6	-86.4	-89.4	-90.1	1020.3	-71.4	-79.1	1036.2	0	0	0	0	0	0	0
897	-69.5	-76.0	1034.2	-82.6	-86.3			1020.3			1036.4	0	0	0	0	0	0	0
898	-69.3	-75.8	1034.3	-82.3	-86.4			1020.3			1036.3	0	0	0	0	0	0	0
899	-69.1	-75.7	1034.2	-82.3	-86.4			1020.4			1036.4	0	0	0	0	0	0	0
900	-69.0	-75.6	1034.2	-82.1	-86.3			1020.4	-70.4	-79.1	1036.4	0	0	0	0	0	0	0
901	-68.6	-75.7	1034.3	-82.1	-86.3			1020.4			1036.5	0	0	0	0	0	0	0
902	-68.6	-75.8	1034.6	-82.0	-86.2			1020.5			1036.4	0	0	0	0	0	0	0
903	-68.4	-75.7	1034.3	-81.8	-86.3			1020.6			1036.5	0	0	0	0	0	0	0
904	-68.1	-75.7	1034.6	-81.7	-86.2	-89.3	-90.2	1020.5	-69.7	-78.9	1036.7	0	0	0	0	0	0	0
905	-68.0	-75.6	1034.6	-81.5	-86.2			1020.6			1036.5	0	0	0	0	0	0	0
906	-67.7	-75.5	1034.7	-81.5	-86.2			1020.7			1036.7	0	0	0	0	0	0	0
907	-67.5	-75.5	1034.7	-81.2	-86.1			1020.7			1036.8	0	0	0	0	0	0	0
908	-67.4	-75.3	1034.7	-81.2	-86.1			1020.9	-68.6	-78.9	1036.7	0	0	0	0	0	0	0
909	-67.0	-75.2	1034.8	-81.1	-86.1			1020.7			1036.8	0	0	0	0	0	0	0
910	-66.8	-75.3	1034.9	-80.9	-85.9			1020.7			1036.9	0	0	0	0	0	0	0
911	-66.8	-75.2	1034.8	-80.9	-85.9			1021.0			1036.9	0	0	0	0	0	0	0
912	-66.3	-75.2	1034.9	-80.7	-86.1	-89.3	-90.1	1020.8	-67.6	-78.9	1037.0	0	0	0	0	0	0	0
913	-66.0	-75.2	1035.0	-80.6	-85.8			1020.8			1037.0	0	0	0	0	0	0	0
914	-65.8	-75.1	1035.1	-80.4	-85.8			1021.0			1037.1	0	0	0	0	0	0	0
915	-65.7	-75.1	1035.2	-80.2	-85.8			1021.0			1037.0	0	0	0	0	0	0	0
916	-65.4	-75.1	1035.1	-79.9	-85.8			1021.1	-66.4	-78.8	1037.1	0	0	0	0	0	0	0
917	-65.1	-75.0	1035.2	-79.9	-85.6			1021.2			1037.1	0	0	0	0	0	0	0
918	-65.0	-75.0	1035.4	-79.5	-85.5			1021.2			1037.1	0	0	0	0	0	0	0
919	-64.6	-74.9	1035.4	-79.5	-85.6			1021.2			1037.2	0	0	0	0	0	0	0
920	-64.4	-75.0	1035.6	-79.4	-85.5	-89.3	-90.2	1021.3	-65.3	-78.7	1037.3	0	0	0	0	0	0	0
921	-64.1	-74.7	1035.6	-79.3	-85.6			1021.3			1037.3	0	0	0	0	0	0	0
922	-63.6	-74.7	1035.6	-79.0	-85.4			1021.3			1037.4	0	0	0	0	0	0	0
923	-63.5	-74.7	1035.7	-78.8	-85.4			1021.5			1037.4	0	0	0	0	0	0	0
924	-63.2	-74.6	1035.7	-78.7	-85.4			1021.6	-63.9	-78.6	1037.5	0	0	0	0	0	0	0
925	-62.8	-74.5	1035.8	-78.5	-85.4			1021.5			1037.5	0	0	0	0	0	0	0
926	-62.4	-74.6	1035.9	-78.3	-85.1			1021.6			1037.8	0	0	0	0	0	0	0
927	-62.3	-74.4	1035.9	-78.0	-85.1			1021.7			1037.5	0	0	0	0	0	0	0
928	-61.9	-74.4	1036.0	-78.0	-85.1	-89.3	-90.1	1021.7	-62.6	-78.6	1037.7	0	0	0	0	0	0	0
929	-61.6	-74.2	1036.2	-77.7	-85.0			1021.9			1037.8	0	0	0	0	0	0	0
930	-61.1	-74.1	1036.2	-77.5	-85.1			1021.7			1037.9	0	0	0	0	0	0	0
931	-60.9	-74.2	1036.4	-77.2	-84.9			1021.9			1037.9	0	0	0	0	0	0	0
932	-60.5	-74.0	1036.3	-77.0	-85.0			1022.0	-60.9	-78.3	1037.9	0	0	0	0	0	0	0
933	-60.2	-74.0	1036.5	-76.8	-84.9			1022.1			1038.0	0	0	0	0	0	0	0
934	-59.8	-73.9	1036.5	-76.7	-84.8			1022.1			1038.0	0	0	0	0	0	0	0
935	-59.2	-73.7	1036.7	-76.4	-84.8			1022.2			1038.2	0	0	0	0	0	0	0
936	-59.0	-73.7	1036.6	-76.1	-84.6	-89.1	-90.2	1022.2	-59.2	-78.2	1038.1	0	0	0	0	0	0	0
937	-58.4	-73.6	1036.9	-76.0	-84.5			1022.3			1038.3	0	0	0	0	0	0	0
938	-58.3	-73.5	1036.9	-75.7	-84.5			1022.3			1038.4	0	0	0	0	0	0	0
939	-57.7	-73.5	1037.0	-75.4	-84.5			1022.5			1038.5	0	0	0	0	0	0	0
940	-57.2	-73.3	1037.1	-75.2	-84.2			1022.6	-57.5	-78.1	1038.6	0	0	0	0	0	0	0
941	-56.8	-73.3	1037.1	-74.8	-84.4			1022.7			1038.6	0	0	0	0	0	0	0
942	-56.4	-73.1	1037.3	-74.8	-84.1			1022.7			1038.7	0	0	0	0	0	0	0
943	-55.9	-73.0	1037.4	-74.4	-84.2			1022.8			1038.7	0	0	0	0	0	0	0
944	-55.4	-73.0	1037.6	-74.2	-84.1	-89.3	-90.2	1022.8	-55.5	-77.8	1039.0	0	0	0	0	0	0	0
945	-54.9	-72.8	1037.6	-73.9	-84.1			1022.9			1039.0	0	0	0	0	0	0	0
946	-54.3	-72.6	1037.8	-73.7	-84.0			1022.9			1039.1	0	0	0	0	0	0	0
947	-53.8	-72.6	1037.8	-73.4	-83.7			1023.0			1039.1	0	0	0	0	0	0	0
948	-53.1	-72.6	1038.0	-73.1	-83.7			1023.2	-53.1	-77.8	1039.2	0	0	0	0	0	0	0
949	-52.6	-72.5	1038.2	-72.7	-83.7			1023.3			1039.2	0	0	0	0	0	0	0
950	-52.0	-72.4	1038.2	-72.5	-83.5			1023.3			1039.4	0	0	0	0	0	0	0
951	-51.4	-72.3	1038.2	-72.1	-83.6			1023.2			1039.4	0	0	0	0	0	0	0
952	-50.7	-72.0	1038.3	-71.7	-83.5	-89.3	-90.1	1023.5	-50.7	-77.2	1039.4	0	0	0	0	0	0	0
953	-49.9	-71.9	1038.5	-71.6	-83.2			1023.5			1039.7	0	0	0	0	0	0	0
954	-49.1	-71.8	1038.6	-71.2	-83.2			1023.6			1039.7	0	0	0	0	0	0	0
955	-48.5	-71.7	1038.7	-70.7	-83.0			1023.7			1039.7	0	0	0	0	0	0	0
956	-47.6	-71.7	1038.8	-70.6	-83.0			1023.9	-47.5	-77.3	1039.8	0	0	0	0	0	0	0
957	-47.0	-71.4	1039.0	-70.2	-83.0			1023.9			1039.9	0	0	0	0	0	0	0
958	-46.1	-71.3	1039.0	-69.8	-82.7			1023.9			1040.0	0	0	0	0	0	0	0
959	-45.2	-71.1	1039.1	-69.5	-82.7			1024.1			1040.1	0	0	0	0	0	0	0
960	-44.3	-70.9	1039.3	-69.1	-82.6	-89.2	-89.9	1024.2	-44.0	-76.9	1040.2	0	0	0	0	0	0	0
961	-43.6	-70.8	1039.5	-68.8	-82.5			1024.1			1040.3	0	0	0	0	0	0	0
962	-42.3	-70.7	1039.6	-68.4	-82.3			1024.2			1040.4	0	0	0	0	0	0	0
963	-41.7	-70.3	1039.7	-68.0	-82.3			1024.2			1040.4	0	0	0	0	0	0	0
964	-40.7	-70.3	1039.7	-67.6	-82.1			1024.5	-40.0	-76.5	1040.5	0	0	0	0	0	0	0
965	-39.5	-70.2	1039.9	-67.2	-82.0			1024.5			1040.7	0	0	0	0	0	0	0
966	-38.6	-70.0	1040.0	-67.0	-81.8			1024.7			1040.7	0	0	0	0	0	0	0
967	-37.7	-69.9	1040.2	-66.4	-81.8			1024.8			1040.8	0	0	0	0	0	0	0
968	-36.5	-69.6	1040.4	-66.1	-81.6	-89.1	-89.8	1024.8	-35.6	-76.4	1041.0	0	0	0	0	0	0	0

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
969	-35.6	-69.4	1040.4	-65.6	-81.4			1024.9			1041.0	0	0	0	0	0	0	0
970	-34.4	-69.1	1040.6	-65.3	-81.4			1025.0			1041.2	0	0	0	0	0	0	0
971	-33.5	-68.9	1040.7	-64.8	-81.3			1025.0			1041.2	0	0	0	0	0	0	0
972	-32.4	-68.6	1040.8	-64.3	-80.9			1025.3	-31.1	-75.9	1041.3	0	0	0	0	0	0	0
973	-31.2	-68.5	1041.0	-63.8	-80.8			1025.4			1041.4	0	0	0	0	0	0	0
974	-30.1	-68.2	1041.2	-63.4	-80.8			1025.5			1041.6	0	26	0	0	0	0	0
975	-29.0	-68.0	1041.4	-62.8	-80.5			1025.5			1041.6	0	26	0	0	0	0	0
976	-27.9	-67.7	1041.4	-62.4	-80.4	-88.7	-89.5	1025.5	-26.2	-75.1	1041.8	0	26	0	0	0	0	0
977	-26.8	-67.6	1041.5	-61.8	-80.3			1025.6			1041.8	31	0	0	0	0	27	0
978	-25.6	-67.2	1041.8	-61.3	-80.0			1025.8			1041.9	28	30	26	0	0	0	25
979	-24.5	-66.9	1041.9	-60.8	-79.8			1026.0			1042.2	31	33	0	0	0	0	0
980	-23.3	-66.6	1042.1	-60.1	-79.7			1026.0	-21.0	-74.5	1042.2	31	33	26	0	0	0	25
981	-22.2	-66.3	1042.2	-59.4	-79.5			1026.1			1042.2	35	30	30	0	0	0	25
982	-21.0	-65.9	1042.2	-58.9	-79.3			1026.3			1042.5	35	37	30	0	0	27	25
983	-19.9	-65.6	1042.6	-58.2	-79.0			1026.2			1042.5	35	33	30	26	0	0	29
984	-18.7	-65.1	1042.7	-57.5	-78.9	-88.5	-89.3	1026.6	-15.2	-73.8	1042.7	38	37	33	0	0	27	29
985	-17.6	-65.0	1042.8	-56.8	-78.7			1026.6			1042.8	38	37	37	30	0	0	29
986	-16.4	-64.5	1042.9	-56.0	-78.5			1026.8			1042.8	42	44	40	30	0	27	32
987	-15.1	-64.2	1043.3	-55.2	-78.1			1026.8			1042.9	42	47	37	33	0	27	32
988	-13.7	-63.9	1043.3	-54.4	-78.0			1027.0	-9.3	-72.8	1043.2	45	44	44	30	0	34	29
989	-12.1	-63.5	1043.4	-53.5	-77.8			1027.0			1043.2	42	47	40	33	0	38	32
990	-10.5	-63.1	1043.6	-52.7	-77.6			1027.3			1043.4	45	54	44	33	25	41	32
991	-8.9	-62.8	1043.8	-51.7	-77.1			1027.3			1043.5	45	47	51	37	0	31	36
992	-7.4	-62.4	1044.0	-50.8	-76.9	-88.0	-89.0	1027.4	-2.9	-71.8	1043.6	49	54	44	37	25	38	39
993	-6.0	-61.8	1044.1	-49.8	-76.8			1027.6			1043.8	49	54	51	37	25	38	39
994	-4.5	-61.5	1044.3	-48.7	-76.4			1027.6			1043.9	60	58	58	44	25	38	39
995	-2.9	-61.1	1044.5	-47.7	-76.3			1027.8			1044.1	52	58	58	41	29	41	39
996	-1.3	-60.6	1044.7	-46.7	-75.9			1028.0	3.6	-70.7	1044.2	60	61	54	44	29	45	39
997	0.2	-60.2	1044.8	-45.4	-75.8			1028.1			1044.3	60	58	68	48	33	45	43
998	1.8	-59.8	1045.1	-44.3	-75.4			1028.1			1044.5	70	68	65	44	33	52	47
999	3.3	-59.2	1045.1	-43.2	-75.0			1028.3			1044.7	70	68	68	51	36	45	50
1000	4.8	-58.7	1045.3	-42.1	-75.0	-87.8	-89.0	1028.4	10.2	-69.5	1044.7	77	76	68	48	36	48	50
1001	6.4	-58.3	1045.6	-40.8	-74.5			1028.6			1044.8	77	76	75	55	33	48	54
1002	7.8	-57.8	1045.8	-39.7	-74.4			1028.8			1045.1	77	83	75	58	40	59	54
1003	9.4	-57.3	1046.0	-38.5	-74.2			1028.9			1045.2	81	79	79	62	40	52	57
1004	11.0	-56.8	1046.1	-37.3	-73.9			1029.0	17.0	-68.1	1045.3	84	90	75	69	40	59	64
1005	12.5	-56.2	1046.2	-36.1	-73.5			1029.3			1045.4	81	90	86	65	43	59	61
1006	14.0	-55.9	1046.6	-34.9	-73.3			1029.4			1045.5	92	93	86	69	43	66	64
1007	15.7	-55.3	1046.7	-33.8	-72.9			1029.5			1045.6	92	97	86	72	50	66	68
1008	17.2	-54.7	1046.8	-32.5	-72.7	-87.8	-89.1	1029.6	23.8	-66.8	1045.9	99	100	90	69	50	73	68
1009	18.8	-54.2	1047.0	-31.2	-72.3			1029.8			1046.0	102	100	100	76	57	66	75
1010	20.3	-53.6	1047.3	-30.1	-71.9			1029.8			1046.1	102	111	100	72	50	73	78
1011	21.9	-52.9	1047.5	-28.8	-71.7			1030.0			1046.3	106	107	104	79	54	70	78
1012	23.6	-52.4	1047.7	-27.7	-71.3			1030.2	30.4	-65.2	1046.4	106	115	104	83	57	80	78
1013	25.1	-51.7	1047.7	-26.5	-71.2			1030.4			1046.6	106	115	114	83	65	77	86
1014	26.8	-51.2	1048.0	-25.3	-70.7			1030.5			1046.7	117	115	114	83	61	80	89
1015	28.4	-50.6	1048.2	-24.2	-70.3			1030.6			1046.8	120	115	114	94	65	84	89
1016	29.9	-49.8	1048.3	-22.9	-70.0	-87.9	-89.2	1030.8	37.2	-63.4	1046.9	124	125	114	97	61	91	89
1017	31.6	-49.3	1048.5	-21.8	-69.7			1030.9			1047.0	124	129	121	101	72	84	93
1018	33.2	-48.6	1048.6	-20.6	-69.2			1031.0			1047.4	127	136	121	101	68	95	93
1019	34.8	-48.0	1048.9	-19.5	-68.9			1031.1			1047.5	131	132	129	104	75	95	100
1020	36.3	-47.2	1049.2	-18.3	-68.5			1031.3	44.1	-61.4	1047.7	138	136	136	104	75	98	103
1021	38.1	-46.3	1049.3	-17.1	-68.1			1031.6			1047.7	138	139	143	108	72	98	107
1022	39.8	-45.6	1049.5	-15.8	-67.6			1031.7			1047.8	145	147	143	115	82	105	107
1023	41.5	-44.7	1049.8	-14.5	-67.3			1031.8			1048.2	149	147	146	119	82	109	110
1024	43.1	-43.8	1049.9	-13.0	-66.9	-87.9	-89.4	1032.0	50.9	-58.9	1048.2	156	154	146	126	82	113	117
1025	44.7	-42.9	1050.2	-11.7	-66.4			1032.0			1048.3	156	157	153	129	93	113	121
1026	46.2	-42.1	1050.4	-10.1	-66.1			1032.3			1048.5	160	164	157	126	93	120	117
1027	48.0	-41.1	1050.6	-8.8	-65.7			1032.5			1048.6	163	168	160	133	100	120	124
1028	49.8	-40.0	1050.7	-7.5	-65.2			1032.5	57.9	-55.9	1048.8	167	175	164	140	97	130	128
1029	51.4	-39.1	1051.0	-6.1	-64.7			1032.7			1049.0	167	175	175	140	104	123	132
1030	53.0	-38.0	1051.2	-4.6	-64.5			1032.8			1049.1	177	182	182	147	104	134	139
1031	54.8	-37.0	1051.3	-3.1	-63.9			1033.1			1049.3	185	178	189	154	107	137	146
1032	56.5	-35.9	1051.6	-1.5	-63.4	-87.9	-89.5	1033.3	65.0	-52.3	1049.5	195	189	189	157	111	141	153
1033	58.2	-34.9	1051.8	-0.1	-62.8			1033.4			1049.7	192	196	192	161	114	141	156
1034	60.0	-33.9	1052.0	1.3	-62.3			1033.4			1049.9	202	207	199	168	121	155	160
1035	61.6	-32.8	1052.2	2.9	-61.8			1033.7			1050.0	206	200	206	172	125	155	163
1036	63.4	-31.7	1052.4	4.4	-61.1			1033.8	72.1	-48.3	1050.0	210	217	206	172	128	159	167
1037	65.2	-30.6	1052.7	6.0	-60.8			1034.0			1050.4	220	217	213	179	132	166	167
1038	67.0	-29.6	1052.8	7.4	-60.2			1034.0			1050.5	224	228	217	182	136	173	171
1039	68.8	-28.4	1053.1	9.0	-59.6			1034.5			1050.6	224	228	224	193	139	177	178
1040	70.4	-27.3	1053.3	10.3	-59.0	-87.8	-89.6	1034.6	79.5	-43.9	1050.8	227	239	231	193	146	177	185
1041	72.2	-26.3	1053.4	11.9	-58.4			1034.7			1051.1	234	235	238	200	143	180	192
1042	74.1	-25.3	1053.7	13.4	-57.8			1034.8			1051.1	242	246	242	207	150	184	195
1043	75.9	-24.1	1053.8	15.1	-57.3			1035.0			1051.4	245	249	252	211	153	187	202
1044	77.6	-23.2	1054.2	16.5	-56.7			1035.3	86.8	-39.0	1051.6	249	256	252	218	153	194	202
1045	79.5	-22.3	1054.4	18.1	-56.0			1035.4			1051.6	256	263	263	218	160	194	206
1046	81.4	-21.1	1054.5	19.6	-55.3			1035.5			1051.9	263	271	267	228	168	205	217
1047	83.2	-20.1	1054.9	21.2	-54.8			1035.6			1052.0	270	271	274	232	171	209	220
1048	85.1	-19.3	863.3	22.8	-54.0	-87.8	-89.6	1035.8	94.6	-34.2	1052.2	277	281	274	228	175	216	224
1049	86.9	-18.2	615.0	24.5	-53.4			1036.1			1052.5	281	285	288	243	182	219	227

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1050	88.8	-17.3	606.2	25.9	-52.7			1036.2			1052.5	281	295	288	239	182	230	231
1051	90.7	-16.3	601.2	27.5	-52.1			1036.4			1052.7	288	295	295	250	192	223	234
1052	92.6	-15.4	599.7	29.2	-51.4			1036.5	102.2	-29.6	1053.0	299	303	306	253	189	237	241
1053	94.4	-14.3	598.7	30.6	-50.8			1036.8			1053.0	302	306	313	260	196	234	245
1054	96.4	-13.2	598.1	32.3	-50.0			1036.9			1053.4	313	317	313	271	200	244	249
1055	98.3	-11.9	597.7	33.9	-49.3			1037.1			1053.5	320	317	323	274	200	241	252
1056	100.4	-10.7	597.4	35.4	-48.5	-87.5	-89.7	1037.2	110.2	-25.0	1053.7	320	327	334	274	207	251	263
1057	102.2	-9.4	597.3	37.1	-47.8			1037.5			1054.0	338	338	341	285	210	259	266
1058	104.2	-8.4	597.4	38.7	-47.1			1037.7			1054.1	345	349	348	285	214	269	277
1059	106.3	-7.1	597.3	40.3	-46.3			1037.8			1054.3	349	359	355	296	221	273	280
1060	108.2	-5.8	597.4	42.0	-45.5			1038.0	118.3	-20.7	1054.4	363	363	362	296	221	283	287
1061	110.1	-4.7	597.6	43.7	-44.7			1038.2			1054.7	370	370	373	310	228	287	291
1062	112.1	-3.3	597.6	45.2	-44.1			1038.4			1054.9	377	381	383	317	232	291	298
1063	114.2	-2.3	597.7	46.9	-43.1			1038.5			1055.0	384	391	390	324	239	294	305
1064	116.2	-1.0	597.9	48.5	-42.4	-87.3	-89.6	1038.7	126.3	-16.9	1055.3	395	402	397	313	242	298	284
1065	118.3	0.1	598.2	50.0	-41.6			1038.8			1055.4	395	423	412	335	246	305	319
1066	120.4	1.3	598.4	51.7	-40.7			1039.1			1055.7	410	420	412	342	256	312	316
1067	122.4	2.7	598.7	53.5	-39.8			1039.4			1055.8	420	420	422	349	256	319	326
1068	124.4	3.9	599.6	55.1	-39.0			1039.5	134.7	-13.5	1056.0	435	430	429	352	256	330	330
1069	126.3	5.0	601.6	56.7	-38.0			1039.5			1056.1	435	441	440	352	267	333	344
1070	128.6	6.1	604.8	58.3	-37.1			1039.8			1056.4	449	452	454	363	267	340	348
1071	130.7	7.5	609.5	59.9	-36.3			1040.0			790.2	463	459	458	370	271	348	351
1072	132.7	8.9	627.1	61.5	-35.4	-87.0	-89.7	1040.2	142.8	-10.5	775.1	467	469	472	384	278	358	358
1073	134.8	9.9	811.9	63.1	-34.6			1040.2			787.4	474	480	479	395	288	358	365
1074	136.9	11.2	849.6	64.6	-33.5			1040.3			1057.1	488	491	486	399	292	365	373
1075	138.9	12.4	892.8	66.3	-32.7			1040.7			1057.4	499	505	500	409	303	380	380
1076	141.0	13.8	879.2	67.8	-31.8			1040.8	151.0	-7.4	1057.5	513	519	511	420	303	387	387
1077	143.1	14.9	700.2	69.5	-30.8			1041.0			1057.8	524	526	521	423	313	397	394
1078	145.2	16.1	647.8	71.0	-29.9			1041.3			825.8	535	537	536	434	313	408	404
1079	147.2	17.4	630.1	72.6	-29.1			1041.4			857.2	545	547	550	445	331	415	419
1080	149.4	18.7	625.7	74.3	-28.1	-86.5	-89.6	1041.5	159.4	-2.4	905.8	563	565	557	455	334	429	422
1081	151.3	20.0	618.7	76.0	-27.2			1041.9			1058.5	574	579	571	466	345	433	433
1082	153.5	21.2	612.3	77.6	-26.3			1042.0			752.6	584	586	589	480	349	447	443
1083	155.6	22.6	611.3	79.1	-25.2			1042.1			671.5	591	600	599	490	363	451	458
1084	157.8	23.9	607.6	80.8	-24.2			1042.3	167.5	3.4	661.0	606	607	610	505	363	465	465
1085	159.9	25.1	606.9	82.3	-23.4			1042.4			662.2	616	625	624	515	377	476	482
1086	162.1	26.2	606.4	83.9	-22.4			1042.5			635.5	638	636	634	519	388	490	486
1087	164.1	27.6	608.2	85.6	-21.4			1042.8			632.2	645	654	652	540	398	501	497
1088	166.3	29.0	608.3	87.2	-20.4	-85.9	-89.6	1042.9	175.8	9.2	633.7	663	664	666	554	406	511	511
1089	168.3	30.3	606.8	88.9	-19.4			1043.2			650.4	670	675	684	565	413	547	528
1090	170.5	31.5	607.3	90.4	-18.6			1043.4			738.2	677	696	698	576	430	540	543
1091	172.7	32.7	607.3	92.0	-17.5			1043.6			646.5	699	707	712	586	441	543	550
1092	174.7	34.0	603.9	93.7	-16.6			1043.7	183.9	14.9	632.7	709	717	727	604	445	551	599
1093	176.8	35.4	602.7	95.2	-15.5			1043.8			624.3	609	725	744	593	423	572	560
1094	179.2	36.6	601.3	96.9	-14.6			1044.1			620.1	727	757	748	625	469	579	589
1095	181.4	37.9	600.1	98.4	-13.6			1044.2			616.1	759	767	769	647	491	597	596
1096	183.5	39.4	599.5	100.1	-12.6	-85.4	-89.4	1044.3	192.4	20.4	614.3	774	781	787	664	491	611	614
1097	185.7	40.7	599.1	101.7	-11.6			1044.6			613.0	788	796	801	679	505	625	631
1098	188.0	41.9	598.6	103.2	-10.8			1044.7			611.9	806	806	819	689	509	633	649
1099	190.3	43.3	598.2	104.7	-9.9			1045.0			612.3	820	828	836	707	523	647	656
1100	192.8	44.7	598.0	106.4	-8.8			1045.2	200.9	25.9	617.7	842	845	851	725	534	661	670
1101	195.1	46.1	599.1	108.0	-7.7			1045.4			620.7	856	859	868	686	541	675	699
1102	197.7	47.5	600.4	109.6	-6.9			1045.6			630.9	867	877	886	742	555	686	706
1103	200.3	49.1	600.9	111.1	-6.0			1045.8			627.0	881	899	904	767	565	697	713
1104	203.0	50.5	602.0	112.6	-5.1	-84.8	-89.3	1046.0	209.6	31.3	646.0	906	906	918	781	569	707	727
1105	205.5	51.9	603.1	114.2	-3.9			1046.1			629.5	917	927	932	796	587	722	738
1106	208.4	53.5	604.1	115.9	-3.1			1046.3			626.7	938	945	953	803	597	739	748
1107	211.3	55.0	605.6	117.5	-2.1			1046.6			624.5	956	966	975	817	615	750	766
1108	214.1	56.5	607.2	119.1	-1.1			1046.6	218.5	36.9	624.8	978	987	989	835	622	757	777
1109	217.0	58.1	610.5	120.7	-0.2			1046.8			620.2	992	1001	1006	845	626	768	787
1110	219.9	59.7	613.4	122.2	0.7			1047.1			613.5	1003	1026	1063	852	672	764	734
1111	222.8	61.3	616.4	123.8	1.7			1047.3			614.0	1053	1030	1088	877	654	782	748
1112	225.8	62.9	623.0	125.4	2.6	-84.1	-89.3	1047.5	227.8	42.4	611.7	1078	1040	1102	906	665	793	770
1113	228.9	64.4	623.8	126.9	3.5			1047.6			609.4	1078	1072	1130	920	665	814	784
1114	232.0	66.0	624.4	128.5	4.4			1047.9			607.4	1106	1069	1159	945	729	836	801
1115	235.2	67.6	624.4	130.3	5.5			1048.1			607.1	1160	1076	1155	934	697	861	812
1116	238.2	69.2	624.4	131.8	6.3			1048.2	237.6	48.1	606.2	1149	1126	1176	955	708	857	816
1117	241.3	70.9	624.3	133.5	7.3			1048.6			606.6	1163	1147	1190	973	725	868	833
1118	244.4	72.5	624.5	135.2	8.2			1048.7			606.3	1185	1158	1205	1005	740	896	847
1119	247.6	74.0	624.9	136.8	9.1			1048.9			606.7	1203	1179	1222	1022	754	910	865
1120	251.0	75.8	624.8	138.4	10.0	-83.3	-89.2	1049.2	247.7	53.9	609.2	1224	1197	1247	1054	772	932	886
1121	254.0	77.4	625.0	140.1	11.0			1049.3			615.0	1242	1218	1268	1072	786	953	908
1122	257.4	79.1	625.0	141.7	12.0			1049.6			618.0	1228	1228	1243	1090	821	1006	964
1123	260.5	80.8	624.8	143.4	12.9			1049.9			615.9	1256	1271	1258	1100	853	1031	986
1124	263.7	82.4	624.5	145.0	13.9			1050.1	258.1	59.7	613.7	1270	1285	1282	1111	864	1053	986
1125	266.9	84.1	624.3	146.7	14.9			1050.3			614.8	1285	1299	1307	1150	892	1067	1028
1126	270.1	85.8	623.2	148.5	15.9			1050.5			614.3	1306	1324	1325	1171	899	1081	1049
1127	273.4	87.5	622.9	150.2	16.8			1050.7			614.4	1335	1356	1339	1196	921	1103	1057
1128	276.6	89.3	623.7	151.8	17.8	-82.5	-89.2	1050.9	268.5	65.5	615.1	1360	1374	1371	1210	946	1120	1092
1129	279.8	91.1	624.4	153.5	18.7			1051.2			618.2	1378	1392	1385	1228	963	1142	1106
1130	283.0	92.8	623.7	155.2	19.9			1051.4			618.9	1392	1409	1417	1249	985	1153	1113

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1131	286.2	94.5	623.3	157.1	20.8			1051.6			619.9	1420	1438	1442	1278	985	1163	1138
1132	289.4	96.4	623.0	159.0	21.8			963.4	278.9	71.5	620.8	1442	1455	1463	1292	995	1177	1163
1133	292.6	98.0	624.0	160.7	23.0			822.4			620.9	1470	1477	1477	1306	1006	1192	1177
1134	295.8	99.9	624.2	162.6	23.9			716.7			621.2	1499	1516	1530	1331	1002	1195	1216
1135	298.9	101.5	624.0	164.4	25.0			697.5			619.2	1517	1541	1551	1349	1006	1206	1227
1136	302.1	103.6	624.0	166.4	25.9	-81.4	-89.1	752.0	289.5	77.4	617.8	1549	1562	1583	1366	1017	1220	1248
1137	305.2	105.2	624.3	168.1	27.2			729.8			616.3	1574	1590	1601	1380	1027	1238	1262
1138	308.3	107.0	624.7	170.2	28.1			1053.3			615.0	1603	1619	1626	1405	1042	1252	1276
1139	311.4	108.8	624.6	172.0	29.0			1053.4			613.6	1620	1640	1651	1412	1042	1267	1294
1140	314.4	110.8	623.5	174.1	30.2			1053.7	299.7	83.5	611.5	1649	1665	1668	1427	1052	1277	1301
1141	317.4	112.6	623.4	176.1	31.3			1053.8			610.8	1674	1697	1693	1441	1052	1288	1319
1142	320.5	114.5	623.9	177.9	32.7			1054.1			610.0	1710	1722	1721	1462	1070	1302	1337
1143	323.5	116.4	623.6	180.0	33.5			1054.3			609.2	1738	1743	1739	1480	1074	1323	1347
1144	326.5	118.3	624.8	182.1	34.6	-80.2	-88.9	1054.6	309.8	89.6	608.8	1763	1768	1767	1497	1091	1341	1365
1145	329.3	120.1	626.0	184.1	35.8			1054.7			608.5	1785	1803	1796	1522	1105	1363	1383
1146	332.4	121.9	625.7	186.1	36.9			1054.8			608.3	1813	1828	1820	1547	1123	1384	1400
1147	335.4	123.9	625.8	188.3	37.9			1054.9			608.3	1838	1853	1849	1575	1141	1420	1425
1148	338.2	125.7	626.3	190.3	39.0			1054.8	319.4	95.9	608.2	1867	1881	1881	1604	1162	1452	1446
1149	341.1	127.5	626.2	192.2	40.1			865.6			608.0	1899	1917	1920	1632	1194	1477	1478
1150	343.9	129.5	626.2	194.4	41.2			1054.9			608.1	1931	1945	1948	1664	1223	1505	1500
1151	347.0	131.4	625.0	196.6	42.3			853.1			608.2	1963	1981	1987	1703	1251	1544	1531
1152	349.8	133.3	623.9	198.6	43.4	-78.9	-88.8	860.6	328.8	102.1	608.2	1996	2009	2033	1742	1283	1587	1560
1153	352.6	135.3	624.8	200.6	44.5			868.9			608.0	2038	2052	2231	1866	1294	1559	1514
1154	355.6	137.2	626.0	202.8	45.8			1055.2			607.8	2010	2073	2146	1916	1379	1676	1641
1155	358.4	139.2	626.4	205.0	46.8			866.3			607.8	2117	2154	2175	1902	1393	1740	1695
1156	361.3	141.2	626.5	207.0	48.0			1056.1	338.0	108.5	607.7	2164	2126	2224	1951	1479	1769	1762
1157	364.1	143.2	626.5	209.2	49.1			1056.2			607.6	2242	2250	2295	2008	1500	1815	1801
1158	367.0	145.1	627.4	211.3	50.3			860.0			607.1	2292	2314	2359	2107	1610	1854	1829
1159	369.9	147.0	627.5	213.4	51.5			851.7			606.8	2253	2282	2397	2097	1606	1900	1932
1160	372.9	149.1	627.6	215.7	52.7	-77.5	-88.7	845.1	347.1	115.2	606.6	2328	2367	2468	2185	1596	1936	1925
1161	375.6	151.1	627.7	217.8	54.0			856.3			606.2	2453	2484	2521	2206	1638	1979	1989
1162	378.8	153.1	628.4	220.0	55.3			881.7			606.0	2506	2534	2567	2245	1677	2007	2024
1163	381.6	155.3	629.1	222.2	56.5			917.8			605.9	2563	2584	2617	2288	1695	2036	2059
1164	384.5	157.2	629.2	224.4	57.7			1057.5	356.0	121.7	605.7	2613	2633	2659	2309	1706	2061	2088
1165	387.4	159.3	628.6	226.5	58.9			1055.2			605.3	2649	2676	2688	2355	1716	2068	2098
1166	390.3	161.3	627.1	228.6	60.2			880.2			605.2	2713	2736	2758	2387	1748	2118	2152
1167	393.3	163.4	624.8	230.7	61.5			884.6			605.1	2760	2782	2794	2408	1763	2143	2180
1168	396.1	165.5	620.7	233.0	62.7	-75.6	-88.6	872.4	364.9	128.3	604.9	2810	2832	2836	2444	1787	2171	2208
1169	399.1	167.6	617.6	235.1	64.0			858.3			604.8	2949	2828	2872	2483	1809	2203	2247
1170	402.0	169.7	615.3	237.3	65.2			838.0			604.7	2913	2935	2932	2529	1841	2292	2276
1171	404.9	171.7	612.8	239.3	66.5			858.1			604.7	2938	3041	2974	2603	1862	2299	2392
1172	407.9	173.8	611.8	241.5	67.8			1041.9	373.6	134.8	604.6	3020	3034	3041	2511	1922	2342	2368
1173	410.9	176.0	611.7	243.6	69.1			1051.3			604.6	3092	3112	3102	2685	1969	2402	2417
1174	413.7	178.1	611.7	245.7	70.4			1058.4			604.5	3138	3162	3172	2752	2022	2470	2463
1175	416.8	180.3	666.2	247.7	71.7			851.3			604.2	3202	3229	3247	2830	2086	2570	2527
1176	419.8	182.2	665.1	249.7	72.9	-73.9	-88.3	844.4	382.2	141.3	604.2	3270	3282	3300	2876	2128	2598	2601
1177	422.8	184.4	664.5	251.8	74.3			848.4			604.0	3331	3360	3385	2968	2288	2677	2633
1178	425.8	186.6	664.7	253.9	75.6			853.6			603.9	3398	3403	3480	3053	2207	2691	2633
1179	428.8	188.8	609.5	255.9	76.9			858.8			603.5	3381	3509	3505	3089	2313	2787	2775
1180	431.8	191.0	615.7	258.0	78.2			849.4	390.7	147.9	603.3	3498	3537	3579	3149	2370	2840	2821
1181	434.9	193.0	634.1	260.0	79.5			839.0			603.0	3573	3608	3650	3220	2409	2897	2878
1182	437.8	195.1	659.9	262.1	80.9			842.5			602.4	3673	3686	3749	3280	2455	2936	2949
1183	440.8	197.3	658.7	264.2	82.2			843.3			601.8	3709	3750	3781	3323	2480	2972	2970
1184	443.7	199.2	658.0	266.0	83.7	-71.7	-88.1	864.9	399.4	154.4	601.3	3777	3818	3841	3369	2515	3011	3023
1185	446.7	201.2	654.8	268.1	85.0			809.1			601.0	3862	3892	3908	3415	2530	3050	3073
1186	449.9	203.1	659.5	270.1	86.3			778.5			600.7	3920	3949	3965	3479	2555	3118	3090
1187	453.0	205.4	668.1	272.1	87.6			772.3			599.9	3916	4027	4039	3440	2583	3097	3165
1188	456.1	207.2	663.0	274.0	89.0			752.6	408.1	160.9	599.2	4044	4077	4078	3532	2604	3150	3193
1189	459.2	209.2	665.2	275.9	90.3			769.6			598.4	4116	4147	4152	3592	2640	3200	3243
1190	462.4	211.1	666.8	278.0	91.7			750.4			598.2	4191	4222	4220	3645	2675	3253	3299
1191	465.5	213.1	670.5	279.9	93.2			754.1			598.0	4265	4289	4290	3709	2725	3314	3342
1192	468.8	215.1	688.5	281.7	94.5	-69.2	-87.6	757.9	416.9	167.4	597.5	4323	4357	4425	3801	2902	3392	3370
1193	472.0	217.1	682.0	283.7	95.8			748.4			596.9	4408	4438	4446	3847	2853	3474	3487
1194	475.2	219.1	677.9	285.7	97.2			750.4			596.2	4490	4520	4545	3960	2927	3556	3561
1195	478.6	221.0	667.8	287.6	98.6			783.3			595.3	4565	4605	4626	4060	2991	3634	3636
1196	481.7	223.0	679.2	289.4	100.0			782.3	425.8	174.0	593.9	4636	4668	4708	4123	3069	3716	3685
1197	485.1	224.9	662.2	291.4	101.6			784.9			592.4	4704	4732	4807	4173	3126	3783	3753
1198	488.4	226.8	634.0	293.1	102.8			812.2			589.7	4772	4810	4860	4276	3197	3858	3827
1199	491.6	228.8	620.8	295.0	104.3			829.6			586.9	4843	4881	4930	4343	3236	3908	3873
1200	495.0	230.6	570.8	296.8	105.7	-66.6	-87.3	798.0	434.9	180.7	583.9	4911	4945	4991	4392	3272	3947	3926
1201	498.1	232.7	561.5	298.8	107.1			795.3			580.3	4982	5012	5058	4438	3293	3986	3969
1202	501.3	234.6	555.0	300.6	108.4			793.9			576.6	5061	5090	5125	4488	3318	4029	4022
1203	504.5	236.4	551.0	302.5	109.8			785.4			572.3	5132	5161	5189	4531	3335	4061	4068
1204	507.8	238.4	545.7	304.4	111.1			813.2	444.3	187.5	568.4	5207	5243	5256	4573	3360	4089	4121
1205	510.9	240.4	540.3	306.2	112.6			842.6			566.1	5292	5314	5330	4630	3382	4132	4171
1206	514.2	242.4	542.0	308.1	114.0			827.5			561.9	5371	5399	5404	4693	3421	4193	4234
1207	517.5	244.3	542.3	310.0	115.4			821.5			558.8	5478	5491	5503	4771	3474	4253	4309
1208	520.6	246.4	537.8	311.7	116.9	-63.6	-86.9	855.3	453.9	194.2	554.9	5546	5587	5585	4853	3534	4338	4387
1209	523.9	248.3	528.0	313.5	118.3			843.3			551.9	5656	5679	5680	4948	3609	4410	4447
1210	527.2	250.3	554.6	315.2	119.6			840.8			549.0	5731	5764	5783	5044	3694	4523	4546
1211	530.5	252.4	551.6	317.0	121.1			830.8			546.5	5838	5859	5889	5154	3779	4616	4638

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1212	533.8	254.3	549.0	318.7	122.3			821.5	463.5	201.0	544.4	5909	5937	5988	5242	3864	4708	4712
1213	537.2	256.4	547.0	320.5	123.8			813.2			542.4	5987	6026	6069	5338	3939	4801	4780
1214	540.5	258.2	545.0	322.3	125.3			833.7			541.0	6062	6097	6147	5409	4003	4872	4843
1215	543.6	260.3	546.3	324.0	126.6			844.4			540.0	6148	6175	6239	5490	4056	4947	4904
1216	546.7	262.4	556.3	325.8	128.0	-60.2	-86.5	825.4	473.4	208.0	539.5	6230	6267	6327	5564	4112	5011	4974
1217	550.0	264.3	555.3	327.5	129.4			863.1			539.7	6329	6359	6419	5642	4151	5075	5042
1218	553.1	266.4	555.8	329.2	130.9			838.0			540.0	6436	6476	6525	5710	4191	5132	5127
1219	556.3	268.4	553.6	330.9	132.2			820.4			539.7	6557	6604	6635	5805	4240	5217	5219
1220	559.6	270.4	551.5	332.6	133.7			830.9	483.7	214.7	539.9	6707	6728	6755	5887	4286	5256	5296
1221	562.8	272.5	549.8	334.3	135.1			873.9			539.9	6796	6820	6843	5957	4318	5313	5357
1222	566.1	274.5	548.1	335.9	136.5			848.2			540.8	6917	6944	6949	6035	4375	5395	5449
1223	569.3	276.7	546.6	337.8	137.7			832.9			541.6	7024	7050	7062	6149	4460	5498	5566
1224	572.6	278.8	545.2	339.5	139.3	-56.7	-85.9	871.0	494.2	221.5	542.8	7159	7185	7211	6290	4563	5622	5675
1225	575.8	280.7	543.6	341.2	140.6			860.9			543.7	7309	7337	7381	6439	4698	5761	5810
1226	579.1	282.8	542.6	342.8	142.0			848.5			545.7	7437	7468	7515	6584	4808	5893	5927
1227	582.4	285.0	541.9	344.6	143.5			871.8			548.4	7551	7581	7649	6715	4932	6014	6040
1228	585.7	287.2	541.0	346.3	144.7			866.1	504.9	228.5	549.5	7672	7712	7787	6856	5028	6149	6142
1229	588.6	289.2	539.6	348.0	146.1			1075.7			550.4	7797	7819	7907	6973	5123	6259	6227
1230	591.8	291.3	538.5	349.7	147.6			911.6			551.5	7911	7946	8031	7072	5198	6355	6319
1231	594.9	293.3	536.9	351.4	149.0			891.6			553.2	8039	8070	8144	7168	5251	6426	6390
1232	598.1	295.5	536.1	353.1	150.2	-52.5	-85.2	879.9	515.9	235.3	554.7	8156	8198	8257	7242	5290	6490	6457
1233	601.3	297.7	535.0	354.9	151.7			1076.9			555.8	8291	8322	8366	7323	5340	6557	6546
1234	604.4	299.8	533.9	356.6	153.0			1077.2			557.4	8427	8460	8501	7422	5386	6628	6645
1235	607.5	301.9	532.9	358.2	154.6			1077.6			558.4	8573	8598	8628	7518	5460	6696	6758
1236	610.7	303.9	531.7	359.9	155.9			1077.8	527.0	242.2	562.0	8693	8722	8755	7620	5527	6796	6854
1237	613.8	306.1	530.7	361.7	157.2			1078.1			565.7	8818	8849	8889	7748	5620	6899	6971
1238	616.9	308.2	529.7	363.3	158.6			1078.3			576.8	8957	8991	9034	7900	5740	7023	7109
1239	620.0	310.5	528.8	365.2	160.0			1078.6			587.7	9088	9118	9172	8041	5854	7158	7229
1240	623.0	312.6	528.1	366.8	161.4	-48.2	-84.5	1078.9	538.4	249.1	586.2	9217	9253	9331	8201	5992	7307	7353
1241	626.2	314.7	527.3	368.6	162.8			1079.1			571.3	9348	9377	9465	8331	6098	7442	7459
1242	629.3	316.9	526.5	370.4	164.1			1079.5			579.6	9490	9519	9606	8469	6208	7570	7554
1243	632.3	319.0	525.7	372.1	165.5			1079.7			580.7	9618	9667	9748	8593	6290	7688	7660
1244	635.4	321.2	524.8	373.9	167.0			1079.9	549.3	255.9	594.5	9779	9812	9885	8703	6346	7780	7738
1245	638.4	323.3	523.8	375.5	168.3			1080.3			594.1	9928	9972	10034	8802	6407	7869	7841
1246	641.5	325.5	523.0	377.3	169.8			1080.5			593.4	10074	10106	10143	8880	6442	7918	7901
1247	644.5	327.7	522.2	379.1	171.2			1080.9			592.3	10223	10234	10292	9021	6516	8007	8043
1248	647.4	329.9	520.8	381.0	172.9	-43.2	-83.2	1081.4	560.0	263.0	590.6	10362	10407	10426	9064	6598	8064	8117
1249	650.4	332.0	519.9	382.9	174.2			1081.6			586.4	10515	10542	10581	9212	6687	8196	8283
1250	653.4	334.2	519.2	384.8	175.6			1081.8			586.7	10671	10662	10726	9407	6825	8320	8442
1251	656.4	336.3	518.2	386.6	176.9			1081.9			581.9	10810	10836	10878	9541	6938	8466	8601
1252	659.4	338.5	517.5	388.4	178.4			1082.3	570.4	269.8	577.0	10948	10995	11079	9742	7087	8643	8697
1253	662.3	340.8	516.8	390.1	179.6			1082.5			569.6	11108	11154	11241	9859	7214	8824	8856
1254	665.2	343.0	515.9	392.0	180.8			1082.9			568.0	11275	11317	11414	10053	7289	8945	8955
1255	668.1	345.2	515.2	393.7	182.4			1083.1			571.1	11449	11554	11594	10166	7392	9055	9058
1256	670.9	347.4	514.3	395.5	183.9	-37.8	-82.3	1083.3	580.6	276.7	552.7	11613	11607	11715	10315	7459	9147	9132
1257	673.9	349.5	513.5	397.5	185.4			1083.4			546.5	11733	11855	11810	10453	7523	9282	9181
1258	676.8	351.8	512.7	399.4	186.7			1083.6			544.4	11890	11964	11993	10396	7703	9311	9295
1259	679.8	354.1	511.8	401.3	188.1			1083.8			543.9	12170	12162	12156	10583	7519	9421	9404
1260	682.7	356.2	511.0	403.3	189.5			1083.7	590.6	283.7	547.7	12298	12247	12251	10760	7647	9588	9549
1261	685.6	358.5	510.3	405.2	191.1			1083.1			546.3	12341	12548	12562	10856	7940	9655	9751
1262	688.5	360.6	509.8	407.4	192.7			1076.9			542.9	12678	12658	12780	11195	7884	9904	9973
1263	691.3	362.9	508.9	409.2	194.2			1046.6			541.9	12692	12707	12770	11244	8234	9957	10132
1264	694.2	365.1	508.4	411.4	196.1	-31.7	-81.3	972.0	600.8	290.7	543.2	12831	12891	12971	11421	8401	10166	10136
1265	697.2	367.4	507.7	413.7	197.3			865.3			547.9	13033	13089	13299	11608	8564	10308	10429
1266	700.2	369.8	506.9	415.9	198.8			724.6			555.0	13239	13277	13327	11647	8535	10422	10500
1267	703.0	372.0	506.2	418.2	200.3			587.0			561.5	13388	13376	13490	11866	8549	10521	10500
1268	705.9	374.4	505.5	420.5	201.7			556.6	610.8	297.9	561.2	13622	13645	13687	11993	8695	10606	10624
1269	708.6	376.5	504.9	423.0	203.3			548.9			559.8	13824	13793	13874	12085	8702	10773	10702
1270	711.5	378.9	504.2	425.9	204.8			545.9			557.3	13966	14048	14065	12106	8861	10887	10857
1271	714.4	380.9	503.5	428.9	206.2			542.2			554.4	14105	14154	14216	12463	8946	10976	10995
1272	717.3	383.4	502.8	432.2	207.5	-26.2	-80.3	538.1	622.9	305.4	552.7	14289	14271	14382	12551	9162	11192	11179
1273	720.1	385.6	502.3	435.7	208.9			535.8			550.9	14371	14483	14516	12837	9307	11313	11433
1274	723.1	387.9	501.6	439.9	210.4			533.6			549.6	14679	14741	14753	12918	9487	11380	11674
1275	726.0	390.2	500.9	444.1	211.9			531.0			548.6	14771	14769	14936	13091	9548	11565	11645
1276	728.8	392.4	500.2	448.8	213.3			528.6	640.5	313.0	547.5	15002	14981	15155	13120	9509	11845	11755
1277	731.7	394.8	499.7	453.6	214.8			526.3			546.7	15098	15232	15243	13282	9654	11848	12023
1278	734.5	397.1	499.1	458.8	216.4			524.7			545.5	15367	15399	15257	13289	9657	11909	12055
1279	737.4	399.4	498.5	464.1	217.6			523.1			543.8	15502	15575	15560	13519	9774	11994	11977
1280	740.3	401.7	497.9	469.7	219.2	-20.8	-79.4	521.3	662.7	321.0	542.3	15700	15646	15779	13688	9940	12043	12193
1281	743.1	403.9	497.5	475.1	220.7			519.1			540.8	15810	15872	15881	13960	10025	12292	12380
1282	746.0	406.3	496.9	480.5	222.3			516.3			539.4	15878	16028	16093	14062	10213	12437	12592
1283	748.8	408.8	496.3	486.3	223.9			513.1			537.9	16140	16176	16234	14274	10549	12544	12864
1284	751.7	410.8	495.7	492.0	225.6			512.8	690.0	329.1	536.4	16338	16364	16477	14507	10471	12820	12931
1285	754.5	413.2	494.8	498.0	227.2			512.2			535.1	16547	16512	16540	14602	10722	12891	12974
1286	757.4	415.5	494.2	503.9	229.0			510.8			534.1	16781	16760	16875	14570	10658	13090	13034
1287	760.1	417.7	493.7	510.1	230.8			509.5			532.9	16916	16911	16949	14835	10726	13185	13157
1288	762.9	420.0	493.3	516.2	232.5	-15.0	-78.2	508.4	718.7	337.9	531.6	17025	17053	17164	14941	10665	13168	13104
1289	765.6	422.4	492.5	522.1	234.5			507.1			530.4	17185	17138	17274	15174	10892	13341	13274
1290	768.3	424.8	492.0	528.2	236.3			505.8			529.0	17482	17378	17474	15301	11118	13604	13701
1291	771.0	427.1	491.4	534.1	238.1			504.5			527.7	17624	17618	17714	15456	11288	13767	13712
1292	773.5	429.3	490.7	540.0	240.2			502.9	744.3	347.2	526.0	17779	17699	17883	15759	11337	13834	14016

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1293	776.0	431.6	490.4	546.1	242.2			501.6			524.6	17946	17950	18014	15872	11521	14018	14185
1294	778.6	434.0	489.9	552.0	244.3			495.6			523.1	18052	18187	18271	16006	11503	14114	14100
1295	781.4	436.3	489.4	558.0	246.3			494.9			521.7	18339	18321	18429	16077	11595	14337	14263
1296	783.8	438.6	489.0	563.9	248.6	-9.5	-77.0	497.1	769.0	357.2	520.1	18445	18515	18405	16137	11783	14305	14386
1297	786.5	441.0	488.4	569.9	250.8			497.9			518.8	18770	18703	18665	16302	11620	14554	14559
1298	789.0	443.2	488.0	575.5	253.0			496.8			517.4	18834	18901	18852	16648	12023	14621	14672
1299	791.5	445.6	487.5	581.2	255.2			496.1			515.7	19029	19010	19035	16708	12051	14880	14680
1300	794.0	447.9	487.1	587.1	257.5			495.0	792.2	367.7	514.2	19227	19257	19388	16965	12193	15128	15170
1301	796.6	450.1	486.7	592.7	259.8			493.7			512.7	19432	19462	19645	17173	12444	15230	15153
1302	799.0	452.5	486.0	598.2	262.3			492.7			511.5	19687	19674	19765	17413	12747	15344	15446
1303	801.5	454.9	485.5	603.8	264.6			491.8			510.2	19906	19918	20011	17409	12818	15365	15484
1304	804.0	457.1	485.3	609.3	267.2	-3.5	-75.6	491.1	812.4	378.9	509.2	19966	20077	20015	17582	12719	15539	15484
1305	806.4	459.5	484.9	614.7	269.5			490.3			508.0	20199	20165	20163	17692	12627	15670	15710
1306	808.8	461.8	484.4	619.9	272.0			489.4			506.9	20401	20454	20441	17977	13051	15825	15802
1307	811.0	464.0	484.1	625.3	274.5			488.7			505.9	20624	20596	20716	17977	13044	16109	15989
1308	813.5	466.4	483.6	630.5	277.1			487.8	831.6	390.2	505.4	20804	20815	20856	18312	13306	16367	16275
1309	815.9	468.6	483.3	635.6	279.8			487.0			504.3	20921	21002	21096	18467	13284	16371	16473
1310	818.1	471.0	482.7	640.5	282.2			486.1			503.3	20977	21093	21223	18594	13606	16300	16635
1311	820.3	473.3	482.4	645.6	284.9			485.4			502.1	21270	21281	21318	18657	13616	16580	16681
1312	822.8	475.5	482.1	650.7	287.6	1.9	-74.2	484.7	850.1	401.9	501.2	21338	21549	21497	18904	13641	16615	16907
1313	825.2	477.7	481.8	655.5	290.3			484.0			500.3	21663	21651	21620	19066	13599	16679	16882
1314	827.4	480.1	481.4	660.5	292.9			483.3			499.6	21800	21856	21818	18967	13832	16824	16872
1315	829.7	482.2	481.2	665.4	295.7			482.5			499.1	22069	22068	22057	19200	13818	17076	17122
1316	831.9	484.5	480.7	670.0	298.5			481.8	867.5	413.5	498.5	22062	22167	22293	19538	13952	17316	17348
1317	834.2	486.7	480.4	674.4	301.1			481.0			497.8	22270	22375	22412	19637	14245	17461	17401
1318	836.5	488.9	479.9	679.1	304.0			480.3			497.0	22563	22523	22761	19925	14337	17734	17785
1319	838.9	491.3	479.6	683.5	306.7			479.6			496.3	22743	22784	23018	19989	14485	17727	17856
1320	841.0	493.3	479.3	688.0	309.6	7.1	-72.6	479.1	883.7	425.0	495.3	23018	23045	23180	20239	14602	17716	17895
1321	843.3	495.6	479.3	692.3	312.4			478.5			494.6	23255	23313	23313	20168	14538	17868	18078
1322	845.6	497.8	479.0	696.7	315.1			478.0			493.9	23301	23356	23338	20404	14796	17971	18127
1323	847.8	500.0	478.5	700.7	317.9			477.3			493.3	23463	23528	23581	20679	14944	18367	18244
1324	850.0	502.2	478.3	704.8	320.7			476.7	899.0	436.6	492.6	23703	23814	23844	20975	15081	18629	18649
1325	852.3	504.4	477.8	708.9	323.5			475.9			492.0	23805	23955	23932	21172	15343	18866	18734
1326	854.5	506.6	477.5	712.9	326.3			475.3			491.3	24282	24255	24351	21432	15378	18877	18981
1327	856.6	508.8	477.1	716.8	329.1			474.6			490.7	24359	24484	24527	21580	15607	19071	19104
1328	859.2	511.0	476.8	720.8	332.0	12.1	-70.9	474.1	914.4	448.2	490.3	24730	24643	24791	21608	15657	19078	19316
1329	861.6	513.1	476.4	724.5	334.8			473.8			489.6	24966	24992	25023	21788	15858	19241	19454
1330	864.3	515.3	476.2	728.4	337.6			473.3			489.1	25223	25243	25157	22002	15904	19492	19482
1331	866.8	517.5	475.8	732.0	340.5			472.6			488.2	25382	25250	25427	22171	16161	19588	19774
1332	869.3	519.7	475.5	735.7	343.3			472.0	929.2	459.9	487.7	25583	25539	25603	22495	16024	19896	19954
1333	871.8	521.8	475.3	739.3	346.1			471.4			486.4	25752	25853	25923	22865	16563	20249	20229
1334	874.3	524.0	474.8	742.7	349.0			470.6			482.1	26090	26195	26219	22903	16740	20295	20370
1335	876.9	526.2	474.2	746.2	351.9			469.8			482.4	26224	26103	26222	22995	16694	20352	20282
1336	879.6	528.4	473.8	749.6	354.9	16.9	-69.1	462.8	943.8	471.7	482.1	26340	26329	26328	23107	16666	20224	20656
1337	882.2	530.5	473.6	753.1	357.6			459.5			484.8	26436	26515	26503	23157	16567	20309	20659
1338	884.5	532.8	473.1	756.5	360.5			453.3			483.9	26661	26671	26767	23375	16814	20684	20716
1339	887.1	535.0	472.7	759.8	363.2			459.6			483.5	26788	26833	26799	23515	17173	20843	20927
1340	889.5	537.1	472.4	763.2	366.1			467.7	957.7	483.7	483.2	26883	26872	26964	23695	17205	20967	21005
1341	891.8	539.3	471.8	766.5	369.0			467.5			482.6	26989	27016	27171	23835	17265	21091	21058
1342	894.1	541.4	471.4	769.9	371.6			467.2			482.0	27126	27094	27238	23881	17145	21098	21244
1343	896.3	543.7	471.2	772.8	374.5			466.6			481.7	27225	27245	27266	23864	17163	20981	21280
1344	898.5	545.8	470.6	775.8	377.3	21.1	-67.4	466.3	970.2	495.4	481.1	27450	27450	27308	23923	17103	21084	21329
1345	900.8	548.0	470.0	779.0	380.0			465.8			480.7	27429	27499	27375	24075	17431	21246	21428
1346	903.1	550.1	469.7	782.1	382.7			465.3			479.9	27675	27580	27660	24257	17614	21479	21533
1347	905.3	552.4	469.2	784.9	385.4			464.6			479.7	27636	27700	27720	24338	17727	21543	21558
1348	907.5	554.5	468.7	788.0	388.0			464.0	981.8	507.2	479.1	27809	27756	27828	24440	17818	21702	21826
1349	909.6	556.7	468.5	790.7	390.8			463.5			478.7	27964	27943	27860	24535	17586	21702	21784
1350	911.6	558.8	467.9	793.5	393.4			463.2			478.3	28024	28017	28004	24584	17670	21713	21762
1351	913.7	561.0	467.6	796.1	396.1			462.6			477.9	28147	28197	28092	24620	17836	21624	21861
1352	915.7	563.2	467.0	798.8	398.8	25.1	-65.5	462.0	992.6	518.9	477.3	28207	28260	28282	24630	17917	21829	22016
1353	917.5	565.4	466.4	801.4	401.4			461.8			476.6	28369	28355	28261	24887	18164	21978	22171
1354	919.4	567.5	466.1	803.9	403.8			461.2			476.1	28411	28415	28422	25056	18291	22073	22256
1355	921.2	569.6	465.6	806.4	406.4			460.7			475.1	28495	28454	28591	25105	18403	22236	22407
1356	922.9	571.8	465.1	809.0	408.9			460.4	1002.6	530.5	474.4	28580	28556	28731	25133	18185	22292	22256
1357	924.7	573.8	464.7	811.3	411.4			460.0			474.0	28742	28898	28812	25122	18019	22342	22316
1358	926.3	575.9	464.3	813.6	413.9			459.7			473.7	28900	28954	28872	25235	18174	22331	22400
1359	927.9	577.9	464.0	815.9	416.4			459.5			472.9	28977	28993	28904	25256	18298	22373	22559
1360	929.5	580.0	463.5	818.0	418.8	28.9	-63.6	458.2	1011.1	541.7	472.4	29083	28982	29062	25456	18403	22444	22707
1361	931.1	581.9	462.9	820.2	421.2			457.3			472.3	29160	29159	29174	25709	18798	22638	22964
1362	932.6	584.0	462.7	822.5	423.5			457.0			471.9	29280	29218	29280	25755	18847	22861	22883
1363	934.3	586.0	462.2	824.6	426.1			457.0			471.6	29364	29278	29501	25716	18703	22925	22890
1364	935.7	588.0	462.0	826.7	428.3			456.6	1018.8	552.7	471.2	29442	29444	29424	25597	18572	22829	22816
1365	937.1	590.2	461.5	828.8	430.8			456.3			470.9	29607	29511	29504	25723	18551	22734	22904
1366	938.4	592.0	461.3	830.8	433.3			456.2			470.6	29642	29680	29540	25727	18604	22985	23077
1367	939.9	594.0	460.8	832.8	435.6			456.4			470.4	29755	29641	29666	25927	18801	23027	23136
1368	941.2	596.0	460.6	834.7	438.2	32.3	-61.4	456.0	1025.0	563.2	470.2	29751	29866	29669	26057	19129	23122	23291
1369	942.4	598.0	460.1	836.7	440.4			455.4			470.0	29966	29775	29936	26138	18946	23073	23334
1370	943.8	600.0	459.7	838.7	442.8			455.1			469.3	29941	29990	29803	26029	18963	23228	23316
1371	944.9	601.9	459.3	840.6	445.1			454.7			465.8	29969	29997	29968	26043	18798	23211	23182
1372	946.2	603.8	459.0	842.2	447.4			454.6	1030.7	573.3	466.6	30117	30162	30000	26208	18851	23278	23147
1373	947.3	605.8	458.6	844.1	449.8			454.0			468.4	30152	30176	30087	26335	18942	23370	23291

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1374	948.6	607.7	458.3	845.8	452.0			453.7			468.4	30124	30191	30217	26296	19189	23387	23563
1375	949.5	609.6	457.8	847.5	454.3			453.3			465.1	30152	30191	30344	26486	19210	23458	23760
1376	950.4	611.5	457.6	849.2	456.7	35.3	-59.4	452.9	1035.3	583.2	452.1	30247	30300	30210	26518	19259	23415	23563
1377	951.5	613.2	457.1	850.6	458.9			452.8			447.7	30345	30458	30312	26444	19548	23458	23742
1378	952.4	615.1	456.7	852.3	461.1			452.5			447.9	30419	30395	30333	26423	19164	23408	23527
1379	953.5	616.8	456.3	853.6	463.5			452.4			461.0	30483	30606	30407	26437	19041	23557	23559
1380	954.4	618.6	455.8	855.3	465.5			452.1	1039.5	592.7	466.3	30490	30560	30474	26535	19108	23631	23686
1381	955.3	620.4	455.6	856.7	467.8			451.8			466.1	30542	30497	30642	26641	19404	23705	23781
1382	956.1	622.1	455.3	858.0	469.9			451.7			465.6	30577	30550	30530	26736	19502	23687	23975
1383	956.9	623.9	454.8	859.5	472.1			451.5			465.3	30627	30645	30491	26697	19376	23698	24049
1384	957.8	625.6	454.4	860.8	474.1	38.7	-57.2	451.2	1042.7	601.8	464.9	30535	30663	30505	26623	19203	23525	23844
1385	958.6	627.2	454.0	861.9	476.1			450.8			464.7	30616	30582	30523	26560	19185	23536	23725
1386	959.4	628.9	453.5	863.3	478.2			450.6			464.2	30641	30656	30411	26549	19178	23652	23788
1387	960.1	630.4	453.3	864.4	480.3			450.1			463.8	30648	30677	30516	26627	19143	23698	23732
1388	960.7	632.2	452.9	865.6	482.3			449.9	1045.4	610.4	463.6	30567	30592	30488	26567	19376	23769	23848
1389	961.5	633.7	452.6	866.8	484.3			449.7			463.3	30504	30599	30495	26556	19555	23716	23894
1390	962.0	635.3	452.2	868.1	486.3			449.3			462.8	30465	30455	30488	26497	19457	23433	23858
1391	962.6	636.9	451.8	869.2	488.3			449.1			462.5	30462	30430	30344	26293	18957	23387	23728
1392	963.1	638.4	451.3	870.1	490.3	41.9	-55.0	448.9	1047.2	618.7	462.0	30458	30476	30189	26349	19034	23437	23619
1393	963.7	640.0	450.9	871.2	492.2			448.5			461.3	30462	30620	30312	26346	19034	23536	23654
1394	964.3	641.5	450.5	872.2	494.0			448.4			460.6	30560	30582	30312	26325	19386	23656	23601
1395	964.8	643.1	450.1	873.1	495.9			448.0			459.2	30462	30589	30323	26602	19224	23695	23746
1396	965.3	644.5	449.8	873.9	497.7			447.8	1048.4	626.4	458.5	30539	30606	30365	26620	19545	23705	23897
1397	965.9	646.1	449.4	875.1	499.5			447.5			457.8	30346	30427	30351	26507	19207	23458	23841
1398	966.3	647.5	449.2	875.8	501.3			447.2			457.0	30444	30367	30312	26286	19087	23412	23661
1399	966.9	648.9	448.9	876.6	503.1			447.0			456.6	30447	30374	30239	26226	19140	23416	23489
1400	967.2	650.5	448.6	877.4	505.0	45.3	-52.5	446.8	1049.1	634.0	456.3	30377	30508	30140	26142	19136	23341	23464
1401	967.9	651.9	448.3	878.1	506.7			446.3			456.1	30286	30332	30154	26289	19147	23571	23542
1402	968.3	653.2	448.0	878.9	508.5			446.0			455.7	30279	30279	30161	26342	19140	23550	23605
1403	968.6	654.8	447.7	879.7	510.3			445.7			455.5	30173	30406	30074	26303	19288	23525	23587
1404	968.9	656.0	447.3	880.4	512.0			445.4	1049.1	640.9	454.4	30328	30317	30172	26219	19182	23288	23608
1405	969.3	657.3	447.1	881.1	513.7			445.3			454.2	30265	30265	30084	26142	19052	23200	23605
1406	969.7	658.7	446.8	881.6	515.4			444.9			453.9	30244	30219	30010	26043	18914	23151	23531
1407	970.0	659.9	446.6	882.4	517.0			444.8			454.2	30265	30261	30070	26128	19045	23260	23457
1408	970.2	661.2	446.4	883.0	518.7	49.0	-50.0	444.5	1048.4	647.7	454.4	30173	30237	30091	26089	19119	23493	23485
1409	970.4	662.5	446.1	883.5	520.2			444.2			454.2	30226	30247	29947	26237	19260	23578	23485
1410	970.6	663.7	446.0	884.0	521.8			444.1			454.0	30142	30191	30049	26142	19059	23469	23468
1411	970.9	664.9	445.8	884.5	523.5			443.9			453.9	30100	30141	30007	26068	19045	23211	23411
1412	971.2	666.1	445.5	885.0	525.0			443.6	1047.1	653.9	453.9	30001	29951	29789	25759	18823	22918	23320
1413	971.4	667.3	445.3	885.7	526.6			443.5			453.7	29931	29881	29694	25724	18664	22911	23284
1414	971.6	668.6	445.0	886.2	528.1			443.3			453.6	29973	29962	29589	25731	18671	22875	23242
1415	971.7	669.5	444.7	886.4	529.7			443.3			453.5	29850	29853	29498	25805	18830	23020	23270
1416	972.1	670.8	444.6	886.8	531.1	53.7	-47.5	443.0	1045.5	659.6	453.3	29822	29800	29568	25741	18847	23087	23232
1417	972.2	672.0	444.2	887.1	532.6			442.9			453.3	29716	29747	29550	25692	18788	23126	23077
1418	972.1	673.0	444.1	887.5	534.1			442.8			452.9	29590	29627	29364	25569	18622	22942	22992
1419	972.2	674.1	443.9	887.8	535.6			442.6			452.3	29576	29592	29283	25334	18382	22780	22922
1420	972.2	675.2	443.5	888.0	537.0			442.5	1043.7	665.0	450.6	29498	29511	29199	25246	18315	22533	22918
1421	972.5	676.2	443.3	888.3	538.4			442.2			446.8	29403	29458	29199	25207	18358	22480	22879
1422	972.5	677.3	443.0	888.6	539.8			442.0			451.8	29382	29405	29153	25288	18467	22670	22795
1423	972.4	678.3	442.4	888.9	541.0			441.9			451.9	29280	29226	28988	25348	18671	22684	22862
1424	972.4	679.2	441.4	889.0	542.5	58.5	-44.8	441.8	1041.8	669.8	451.0	29175	29222	29073	25207	18375	22706	22693
1425	972.2	680.1	440.4	889.2	543.8			441.7			450.0	29073	29155	28939	25067	18224	22448	22485
1426	972.1	681.1	438.3	889.5	545.1			441.4			452.2	29076	29000	28792	24828	18086	22321	22418
1427	971.9	681.9	435.9	889.5	546.5			441.2			451.7	28939	28940	28605	24733	18090	22119	22355
1428	971.9	683.0	434.0	889.7	547.9			441.1	1039.4	674.5	451.3	28834	28831	28514	24543	17960	22063	22407
1429	971.5	683.8	431.9	889.7	549.1			441.0			451.4	28788	28782	28433	24687	17956	22042	22421
1430	971.3	684.6	430.9	889.8	550.4			440.9			451.8	28637	28535	28395	24662	18206	22027	22266
1431	971.0	685.5	429.7	889.8	551.7			440.7			451.9	28584	28563	28296	24602	18072	22140	22221
1432	970.8	686.4	428.5	889.8	552.9	63.5	-42.1	440.6	1037.0	678.7	451.7	28425	28426	28265	24399	17931	21974	22136
1433	970.5	687.2	427.8	889.9	554.1			440.5			451.8	28232	28313	28022	24282	17593	21748	21914
1434	970.1	688.2	426.9	889.8	555.2			440.4			451.5	28225	28275	27843	24057	17466	21646	21756
1435	969.8	688.9	426.0	889.7	556.4			440.3			451.4	28147	28144	27748	23875	17582	21490	21696
1436	969.6	689.6	425.3	889.8	557.5			440.2	1034.1	682.6	451.4	27929	28042	27660	23924	17607	21522	21815
1437	969.2	690.4	424.5	889.5	558.7			440.0			451.3	27866	27919	27657	23917	17671	21458	21759
1438	968.9	691.2	424.0	889.5	559.9			439.9			451.2	27824	27862	27506	23910	17551	21515	21731
1439	968.7	692.0	423.3	889.3	560.8			439.8			451.1	27711	27711	27428	23808	17434	21423	21491
1440	968.0	692.7	422.9	889.3	561.9	68.6	-39.2	439.7	1030.9	686.2	451.1	27577	27573	27277	23643	17234	21299	21294
1441	967.5	693.5	422.5	889.0	563.1			439.6			451.0	27468	27524	27115	23463	17078	21133	21086
1442	967.0	694.2	421.9	888.9	564.1			439.5			451.0	27437	27475	27049	23287	16930	21102	21185
1443	966.5	695.0	421.7	888.8	565.1			439.4			450.9	27356	27383	26943	23252	17103	21063	21216
1444	966.2	695.4	421.2	888.6	566.2			439.2	1027.2	689.5	450.9	27271	27263	26919	23287	17015	20974	21174
1445	965.6	696.1	420.8	888.2	567.2			439.0			450.6	27148	27189	26929	23280	17015	20971	21220
1446	965.0	696.8	420.4	888.1	568.1			439.0			450.5	27092	27126	26782	23224	17082	20879	21065
1447	964.5	697.4	420.1	887.9	569.1			429.4			450.6	26986	26985	26652	23048	17082	20815	20913
1448	963.7	698.0	419.6	887.6	570.1	73.5	-36.3	426.5	1023.4	692.3	450.5	26887	26851	26437	22791	16631	20610	20596
1449	963.2	698.6	419.1	887.2	570.9			424.0			450.4	26803	26738	26356	22711	16585	20532	20578
1450	962.6	699.1	418.9	886.9	572.1			437.7			450.4	26789	26724	26265	22637	16588	20522	20663
1451	961.9	699.8	418.7	886.6	572.9			438.7			450.3	26592	26594	26219	22700	16733	20501	20674
1452	961.2	700.3	418.2	886.2	573.8			438.7	1019.6	695.1	450.3	26489	26495	26166	22689	16687	20455	20741
1453	960.6	700.8	418.1	885.9	574.5			438.4			450.0	26412	26491	26159	22584	16659	20462	20723
1454	959.9	701.4	417.7	885.5	575.5			438.4			447.9	26334	26298	26019	22464	16451	20299	20466

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1455	959.2	701.8	417.7	885.1	576.4			438.3			443.3	26208	26252	25818	22257	16292	20115	20166
1456	958.6	702.3	417.7	884.6	577.1	78.4	-33.4	438.2	1015.6	697.5	442.4	26144	26128	25671	22067	16147	19995	20000
1457	957.9	702.8	417.6	884.2	577.9			438.0			442.6	26028	26054	25565	22021	16119	19960	19965
1458	957.0	703.2	417.5	883.7	578.8			438.2			443.8	25908	25857	25505	21982	16077	19935	20046
1459	956.3	703.7	417.3	883.3	579.7			438.0			445.9	25841	25783	25368	22010	16140	19967	20043
1460	955.5	704.1	417.0	882.7	580.5			438.1	1011.7	699.7	446.9	25675	25645	25333	21965	16267	19850	20134
1461	954.6	704.4	416.9	882.3	581.1			437.8			447.4	25531	25525	25270	21806	16073	19634	19863
1462	953.9	705.0	416.8	881.9	581.9			437.7			446.8	25411	25487	25045	21630	15851	19535	19669
1463	953.0	705.3	416.8	881.3	582.6			437.7			446.1	25351	25296	24929	21412	15654	19263	19472
1464	952.3	705.6	416.7	880.8	583.4	83.4	-30.2	437.7	1007.3	701.7	447.4	25228	25201	24799	21254	15467	19266	19274
1465	951.6	706.0	416.8	880.3	584.2			437.5			449.6	25129	25127	24637	21166	15527	19263	19288
1466	950.6	706.4	416.7	879.7	584.8			437.6			449.6	24939	24954	24573	21166	15565	19199	19320
1467	949.8	706.7	416.6	879.2	585.5			437.5			449.5	24829	24877	24471	21173	15527	19256	19426
1468	949.1	707.1	416.6	878.5	586.1			437.4	1002.9	703.3	449.5	24748	24792	24324	21144	15498	19104	19330
1469	948.3	707.3	416.6	878.0	586.8			437.4			449.5	24657	24616	24197	20909	15403	18916	19140
1470	947.2	707.5	416.5	877.3	587.5			437.1			449.5	24526	24492	24102	20701	15206	18704	18964
1471	946.3	707.8	416.3	876.7	588.1			437.3			449.3	24410	24411	23835	20521	15050	18647	18735
1472	945.5	708.1	416.3	876.1	588.6	88.1	-27.0	437.3	998.2	704.6	449.2	24293	24214	23810	20444	15015	18485	18622
1473	944.6	708.3	416.3	875.5	589.2			437.3			449.2	24166	24185	23627	20338	14856	18598	18565
1474	943.6	708.5	416.3	874.8	589.8			437.3			449.2	23990	24006	23634	20391	15011	18669	18689
1475	942.8	708.9	416.3	874.1	590.5			437.0			449.1	23937	23871	23596	20261	14987	18449	18590
1476	941.8	708.9	416.2	873.3	591.1			437.1	993.2	705.8	449.1	23803	23794	23409	20264	14831	18428	18449
1477	940.8	709.2	416.3	872.7	591.6			437.1			449.0	23662	23663	23230	20071	14743	18177	18375
1478	939.9	709.4	416.3	871.9	592.1			436.9			449.1	23539	23519	23099	19866	14546	17982	18234
1479	938.7	709.6	416.3	871.1	592.7			436.9			449.1	23433	23487	22913	19673	14418	17883	17930
1480	937.8	709.7	416.4	870.5	593.1	92.9	-23.8	436.8	987.8	706.9	449.0	23348	23325	22797	19620	14369	17787	17839
1481	936.9	709.8	416.4	869.6	593.8			436.8			448.9	23207	23184	22765	19556	14373	17833	17867
1482	935.7	710.0	416.4	868.7	594.2			436.9			449.0	23119	23106	22695	19556	14422	17798	17796
1483	934.8	710.2	416.4	868.0	594.6			436.7			448.9	22992	22975	22575	19511	14468	17756	17807
1484	933.8	710.3	416.5	867.2	595.0			436.8	982.6	707.5	448.9	22787	22877	22462	19398	14291	17699	17754
1485	932.8	710.5	416.4	866.4	595.5			436.8			448.9	22762	22753	22360	19250	14157	17504	17574
1486	931.7	710.6	416.5	865.5	596.1			436.7			448.9	22681	22683	22191	19035	13952	17292	17493
1487	930.7	710.6	416.5	864.7	596.4			436.6			448.9	22557	22556	21991	18940	13914	17179	17405
1488	929.5	710.7	416.5	863.7	596.9	97.7	-20.6	436.6	977.1	708.2	448.9	22391	22439	21942	18841	13818	17140	17264
1489	928.6	710.8	416.5	862.8	597.3			436.6			449.1	22317	22284	21871	18810	13790	17140	17253
1490	927.5	710.9	416.6	861.9	597.7			436.6			449.1	22247	22220	21741	18750	13914	17118	17214
1491	926.3	711.0	416.6	861.1	598.0			436.6			449.1	22077	22107	21692	18729	13892	17122	17130
1492	925.2	711.0	416.9	860.3	598.4			436.5	971.2	708.6	449.0	21985	21945	21597	18626	13815	17030	17063
1493	923.9	711.0	416.9	859.3	598.7			436.5			449.0	21865	21860	21466	18436	13681	16757	16932
1494	922.8	711.1	416.9	858.6	599.1			436.5			449.1	21749	21793	21308	18271	13426	16623	16713
1495	921.9	711.2	417.2	857.6	599.4			436.5			449.0	21660	21641	21139	18098	13412	16488	16611
1496	920.4	711.0	417.3	856.7	599.9	102.8	-17.1	436.5	965.1	708.8	449.1	21590	21521	21040	18056	13370	16460	16643
1497	919.4	710.9	417.3	855.6	600.1			436.4			449.1	21463	21433	20949	18006	13366	16371	16607
1498	918.1	711.0	417.5	854.8	600.4			436.4			449.0	21311	21359	20984	18034	13433	16527	16614
1499	916.9	710.9	417.6	853.9	600.8			436.4			449.1	21236	21243	20892	17960	13370	16481	16558
1500	915.6	710.9	417.6	853.0	601.0			436.4	959.0	708.8	449.1	21077	21161	20685	17855	13296	16375	16459
1501	914.4	710.8	417.8	852.0	601.4			436.4			449.1	21017	21034	20632	17714	13165	16173	16269
1502	913.1	710.8	417.9	851.1	601.5			436.5			449.0	20911	20897	20442	17583	13013	16042	16046
1503	911.9	710.7	417.9	850.1	601.6			436.4			449.0	20791	20791	20304	17337	12836	15900	15969
1504	910.9	710.6	417.8	849.1	602.0	107.8	-13.7	436.2	952.7	708.7	449.1	20703	20710	20149	17312	12776	15734	15894
1505	909.5	710.5	417.9	848.2	602.2			436.4			449.1	20583	20621	20121	17248	12752	15737	15930
1506	908.2	710.3	418.0	847.1	602.4			436.2			449.1	20434	20494	20047	17167	12773	15748	15944
1507	906.9	710.3	418.1	846.2	602.6			436.2			449.4	20364	20388	20002	17220	12858	15737	15887
1508	905.8	710.2	418.1	845.2	603.0			436.4	946.5	708.4	449.2	20240	20247	19892	17136	12833	15645	15813
1509	904.3	710.0	418.2	844.1	603.0			436.4			449.2	20173	20106	19741	17002	12607	15624	15654
1510	903.1	709.8	418.1	843.0	603.2			436.5			449.4	20060	20088	19635	16836	12480	15454	15467
1511	901.8	709.8	418.3	842.1	603.4			436.4			449.2	19946	19933	19501	16646	12246	15351	15323
1512	900.5	709.5	418.2	841.0	603.5	113.4	-10.0	436.5	941.2	707.9	448.6	19847	19848	19325	16593	12176	15185	15280
1513	899.2	709.5	418.3	840.1	603.7			436.4			448.8	19731	19756	19244	16501	12204	15050	15227
1514	898.0	709.2	418.3	838.9	603.9			436.4			448.7	19664	19650	19181	16427	12243	15068	15196
1515	896.5	709.0	418.3	837.7	604.0			436.5			448.8	19522	19488	19114	16420	12261	15057	15210
1516	895.2	708.7	418.5	836.6	604.1			436.6	934.9	707.4	448.7	19384	19417	18980	16349	12236	15043	15178
1517	893.9	708.5	418.8	835.7	604.2			436.5			448.8	19317	19329	18927	16318	12154	14940	15016
1518	892.7	708.4	418.8	834.6	604.3			436.4			448.9	19137	19251	18755	16170	12052	14781	14853
1519	891.4	708.1	418.9	833.5	604.4			436.6			448.7	19115	19114	18684	15951	11808	14671	14744
1520	890.2	707.8	419.0	832.3	604.6	118.5	-6.4	436.5	928.3	706.6	448.8	18995	19001	18533	15845	11681	14512	14595
1521	889.1	707.7	419.5	831.2	604.6			436.5			448.9	18914	18909	18406	15743	11610	14498	14479
1522	887.7	707.4	420.2	830.2	604.7			436.4			448.9	18797	18757	18290	15598	11684	14381	14489
1523	886.4	707.2	420.6	829.0	604.7			436.5			449.0	18648	18647	18216	15584	11642	14359	14468
1524	885.1	706.9	420.4	828.0	604.7			436.5	921.5	705.7	449.1	18528	18552	18166	15605	11607	14267	14443
1525	883.7	706.6	420.7	826.5	604.7			436.6			449.0	18425	18404	18099	15612	11564	14271	14366
1526	882.4	706.4	421.1	825.6	604.7			436.5			449.2	18312	18294	17951	15475	11479	14140	14299
1527	881.1	706.0	421.4	824.3	604.8			436.6			449.2	18227	18227	17842	15295	11373	14005	14122
1528	879.6	705.7	421.7	823.1	604.7	123.7	-2.7	436.6	914.6	704.8	449.5	18089	18089	17634	15157	11204	13891	13949
1529	878.3	705.4	421.9	822.0	604.7			436.7			449.2	18036	17983	17546	14998	11108	13792	13808
1530	876.9	705.1	422.3	820.9	604.7			436.7			449.5	17870	17909	17468	14864	11062	13718	13758
1531	875.4	705.0	422.6	819.8	604.7			436.7			449.8	17795	17778	17391	14875	10974	13682	13727
1532	874.0	704.5	423.2	818.5	604.7			436.7	907.5	703.5	450.2	17696	17648	17261	14790	11052	13555	13713
1533	872.4	704.1	423.8	817.3	604.7			436.8			450.3	17558	17573	17222	14811	11023	13587	13691
1534	871.1	703.7	423.7	816.2	604.7			436.9			450.2	17420	17489	17137	14759	11108	13498	13596
1535	869.8	703.4	423.7	815.0	604.7			436.9			450.2	17364	17390	17028	14667	10960	13424	13532

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1536	868.2	703.1	423.9	813.8	604.6	128.9	0.7	436.8	900.2	702.2	450.3	17286	17259	16884	14491	10825	13243	13363
1537	866.8	702.7	424.5	812.4	604.4			436.8			450.4	17162	17171	16721	14395	10652	13140	13250
1538	865.5	702.3	424.7	811.3	604.4			436.8			450.5	17063	17075	16661	14258	10542	13069	13147
1539	864.0	702.0	425.2	810.1	604.3			437.0			450.6	16999	16976	16549	14155	10450	13009	13020
1540	862.5	701.4	425.5	808.8	604.3			437.0	892.9	700.8	450.7	16882	16849	16432	14127	10450	12995	12985
1541	861.0	701.0	425.9	807.4	604.1			437.0			450.7	16783	16789	16362	14088	10472	12984	13038
1542	859.4	700.7	426.0	806.2	604.2			437.0			451.0	16666	16669	16320	14099	10472	12984	13003
1543	857.9	700.2	425.8	804.9	604.0			437.2			451.0	16585	16570	16231	14007	10426	12899	12964
1544	856.6	699.9	426.1	803.9	603.9	133.8	4.1	437.2	885.7	699.4	451.1	16478	16443	16168	13915	10390	12771	12847
1545	854.9	699.5	426.4	802.6	603.7			437.3			451.0	16407	16368	16059	13820	10242	12629	12752
1546	853.4	699.1	426.6	801.4	603.7			437.3			451.0	16294	16301	15886	13633	10129	12488	12572
1547	851.9	698.6	426.5	800.2	603.5			437.3			451.2	16202	16146	15815	13474	10019	12427	12505
1548	850.2	698.1	426.7	798.9	603.3			437.4	878.2	697.7	451.2	16099	16114	15710	13439	9927	12296	12391
1549	848.8	697.6	427.2	797.6	603.1			437.4			438.3	16014	15976	15554	13368	9877	12292	12342
1550	847.2	697.2	427.6	796.5	603.0			437.4			406.0	15929	15898	15530	13280	9945	12275	12321
1551	845.6	696.8	428.1	795.2	602.9			437.4			379.1	15855	15810	15473	13365	9976	12275	12296
1552	844.0	696.3	428.5	793.9	602.6	138.7	7.0	437.5	870.7	696.0	360.5	15709	15722	15413	13262	9980	12246	12285
1553	842.3	695.6	429.0	792.7	602.4			437.6			349.0	15610	15637	15353	13245	9913	12158	12201
1554	840.8	695.2	429.4	791.4	602.3			437.6			339.9	15546	15524	15202	13121	9828	12023	12151
1555	839.1	694.7	430.0	790.3	602.0			437.6			334.5	15468	15435	15078	12994	9686	11938	12003
1556	837.6	694.3	430.0	788.8	601.8			437.7	863.2	694.1	328.5	15351	15333	14930	12849	9516	11778	11808
1557	835.9	693.7	430.1	787.5	601.6			437.6			320.9	15277	15283	14860	12715	9414	11668	11770
1558	834.5	693.3	430.7	786.2	601.3			437.9			321.2	15181	15195	14817	12676	9350	11587	11720
1559	832.7	692.7	430.9	784.9	601.2			437.7			316.7	15110	15089	14694	12602	9371	11622	11649
1560	831.1	692.1	431.5	783.6	600.9	143.4	9.6	437.9	855.8	692.1	313.2	14993	15004	14680	12595	9421	11579	11589
1561	829.6	691.7	431.0	782.1	600.6			438.0			313.7	14901	14870	14567	12581	9364	11569	11589
1562	827.9	691.0	431.1	781.1	600.4			438.0			315.3	14805	14820	14532	12493	9417	11548	11575
1563	826.2	690.6	431.0	779.7	600.1			438.1			316.7	14702	14721	14440	12397	9357	11452	11490
1564	824.7	690.0	431.1	778.4	600.0			438.2	848.1	690.0	314.3	14678	14601	14309	12330	9226	11377	11338
1565	823.0	689.3	431.5	777.1	599.5			438.1			311.3	14532	14601	14225	12245	9113	11221	11261
1566	821.4	688.7	431.8	775.8	599.5			438.1			311.3	14483	14477	14038	12062	8989	11097	11144
1567	819.8	688.3	432.4	774.3	599.1			438.2			312.2	14369	14382	13999	11973	8844	11001	11116
1568	818.1	687.7	432.5	773.0	598.8	147.9	11.8	438.3	840.8	687.9	310.5	14295	14297	13890	11956	8897	10937	11024
1569	816.5	687.2	432.9	771.6	598.5			438.3			310.2	14195	14198	13869	11875	8812	10916	10989
1570	814.8	686.5	433.1	770.4	598.1			438.2			307.2	14132	14092	13798	11839	8837	10888	10957
1571	813.3	685.9	433.7	769.0	597.9			438.4			307.0	14029	14039	13692	11786	8883	10870	10939
1572	811.7	685.3	434.6	767.6	597.6			438.4	833.3	685.6	301.1	13912	13989	13636	11776	8862	10856	10900
1573	810.0	684.8	434.4	766.2	597.2			438.4			300.0	13858	13887	13611	11740	8780	10774	10819
1574	808.3	684.1	434.3	764.8	596.9			438.6			300.2	13795	13759	13481	11567	8710	10700	10724
1575	806.6	683.5	434.1	763.5	596.5			438.6			298.3	13713	13721	13406	11532	8618	10611	10575
1576	804.9	682.8	434.0	762.1	596.2	152.2	13.7	438.8	825.9	683.3	297.7	13617	13646	13276	11359	8458	10469	10512
1577	803.3	682.3	433.8	760.7	595.9			438.8			296.9	13539	13565	13177	11281	8402	10384	10434
1578	801.8	681.6	433.7	759.3	595.7			438.8			296.7	13475	13473	13100	11207	8363	10331	10370
1579	800.0	680.9	433.6	757.8	595.3			438.8			295.6	13394	13413	13036	11154	8324	10288	10321
1580	798.4	680.4	433.4	756.4	594.9			438.9	818.3	680.7	293.9	13337	13324	12934	11119	8313	10238	10303
1581	796.7	679.7	433.1	755.1	594.6			438.9			293.6	13216	13268	12898	11090	8320	10220	10264
1582	795.0	679.1	432.9	753.6	594.1			438.9			293.6	13156	13155	12838	11094	8288	10192	10197
1583	793.3	678.5	432.5	752.1	593.8			439.0			292.0	13042	13119	12771	10963	8306	10160	10197
1584	791.6	677.8	432.3	750.7	593.4	156.5	15.3	439.1	811.0	678.4	291.7	13003	13038	12704	10928	8288	10078	10133
1585	789.9	677.1	432.3	749.4	593.0			439.1			292.4	12929	12949	12672	10857	8171	10025	10017
1586	788.3	676.5	432.0	747.8	592.6			439.4			291.8	12872	12836	12542	10790	8101	9940	9935
1587	786.6	675.7	431.8	746.4	592.3			439.2			292.3	12797	12779	12503	10691	7987	9837	9854
1588	784.9	675.0	431.7	745.1	591.9			439.4	803.6	675.6	292.4	12740	12673	12394	10486	7863	9762	9780
1589	783.2	674.5	431.7	743.6	591.6			439.4			293.3	12641	12656	12298	10525	7874	9713	9737
1590	781.7	673.8	431.7	742.2	591.0			439.4			293.3	12570	12567	12217	10461	7793	9642	9674
1591	779.9	673.1	431.7	740.7	590.6			439.5			294.8	12481	12472	12199	10408	7768	9628	9681
1592	778.2	672.3	432.2	739.4	590.2	160.5	16.8	439.5	796.3	673.1	294.8	12442	12447	12115	10398	7853	9606	9642
1593	776.5	671.7	432.5	737.9	589.7			439.5			295.3	12350	12362	12051	10387	7821	9585	9642
1594	774.8	670.9	432.6	736.5	589.3			439.5			295.3	12279	12341	11984	10281	7796	9535	9550
1595	773.2	670.2	432.7	735.0	588.9			439.6			295.2	12229	12214	11949	10264	7750	9486	9511
1596	771.5	669.6	433.1	733.8	588.4			439.6	789.1	670.3	294.4	12148	12168	11854	10175	7686	9415	9408
1597	769.9	669.0	433.6	732.2	588.2			439.7			296.0	12084	12079	11758	10087	7573	9347	9334
1598	768.3	668.2	433.6	730.9	587.7			439.8			296.3	12002	12019	11677	10009	7495	9265	9246
1599	766.5	667.4	433.9	729.4	587.2			439.8			297.5	11949	11945	11614	9899	7431	9180	9164
1600	765.0	666.6	434.3	727.9	586.7	164.5	18.1	439.7	781.9	667.6	298.3	11903	11870	11536	9864	7371	9113	9122
1601	763.2	665.9	435.2	726.5	586.4			439.8			298.9	11814	11853	11486	9808	7364	9077	9126
1602	761.6	665.2	435.9	725.1	585.8			439.9			299.1	11732	11736	11412	9790	7364	9059	9073
1603	759.9	664.4	436.3	723.8	585.3			440.1			300.1	11689	11683	11388	9751	7353	9028	9062
1604	758.3	663.6	436.5	722.3	584.9			439.9	774.6	664.7	301.3	11615	11601	11342	9733	7385	9013	9058
1605	756.6	663.1	436.2	721.0	584.5			440.1			301.6	11533	11562	11264	9712	7332	8985	9005
1606	755.0	662.2	436.6	719.4	584.1			440.2			302.6	11462	11492	11225	9634	7297	8917	8942
1607	753.3	661.5	436.6	718.0	583.4			440.2			302.5	11398	11417	11134	9567	7254	8836	8874
1608	752.0	660.9	437.1	716.6	583.0	168.1	19.1	440.2	767.6	661.7	303.1	11356	11379	11056	9479	7144	8754	8797
1609	750.2	660.1	437.2	715.1	582.5			440.3			304.8	11299	11290	10971	9401	7059	8697	8708
1610	748.7	659.4	437.3	713.8	582.1			440.3			309.0	11231	11258	10908	9327	6974	8644	8630
1611	747.0	658.5	437.4	712.3	581.5			440.4			311.2	11178	11166	10833	9253	6953	8594	8588
1612	745.4	657.7	437.4	710.8	581.0			440.4	760.5	658.8	310.3	11121	11110	10780	9217	6946	8562	8553
1613	743.8	656.9	437.5	709.5	580.5			440.4			308.6	11061	11057	10752	9175	6911	8552	8500
1614	742.1	656.2	437.6	708.2	580.0			440.5			307.2	10979	10996	10685	9168	6918	8523	8535
1615	740.6	655.5	437.5	706.7	579.6			440.5			305.8	10915	10922	10653	9140	6932	8495	8485
1616	738.8	654.6	437.6	705.3	579.0	171.7	20.3	440.7	753.6	655.9	306.0	10872	10887	10618	9118	6921	8459	8475

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1617	737.1	653.8	437.6	704.0	578.5			440.7			305.3	10823	10816	10558	9069	6932	8410	8422
1618	735.6	653.0	437.7	702.5	577.9			440.7			305.3	10769	10773	10477	9016	6836	8342	8401
1619	734.0	652.4	437.7	701.0	577.5			440.8			306.1	10691	10710	10406	8934	6769	8275	8291
1620	732.3	651.5	437.9	699.6	577.0			440.8	746.7	652.8	305.3	10652	10656	10364	8864	6723	8218	8241
1621	730.8	650.8	437.7	698.2	576.4			440.8			303.3	10595	10593	10283	8811	6648	8140	8167
1622	729.1	649.9	438.0	696.9	575.9			440.9			301.0	10531	10540	10222	8719	6571	8086	8100
1623	727.6	649.1	437.9	695.5	575.4			441.0			300.4	10481	10494	10162	8687	6539	8069	8054
1624	726.0	648.5	438.0	694.0	575.0	175.3	21.3	440.9	739.8	649.9	302.2	10421	10423	10106	8641	6510	8040	8036
1625	724.3	647.6	438.0	692.5	574.3			441.0			289.3	10368	10366	10067	8641	6532	8037	8004
1626	722.6	646.7	438.1	691.3	573.7			441.0			278.0	10314	10320	10039	8609	6514	7998	8001
1627	721.1	645.9	438.1	689.8	573.3			441.1			271.5	10258	10267	9982	8577	6521	7983	7987
1628	719.6	645.2	438.1	688.4	572.7			441.1	733.3	646.8	266.4	10218	10200	9940	8553	6517	7944	7955
1629	718.1	644.4	438.1	687.0	572.3			441.0			261.5	10137	10165	9891	8500	6489	7909	7916
1630	716.5	643.6	438.2	685.6	571.7			441.1			257.4	10105	10094	9845	8457	6436	7823	7859
1631	714.8	642.8	438.2	684.2	571.1			441.2			254.1	10030	10034	9763	8379	6369	7760	7792
1632	713.3	642.0	438.3	682.8	570.5	178.8	22.3	441.2	726.5	643.4	251.4	9991	9984	9714	8301	6301	7706	7739
1633	711.8	641.2	438.4	681.4	570.0			441.2			249.5	9930	9941	9626	8248	6248	7649	7665
1634	710.2	640.4	438.4	680.2	569.4			441.3			247.6	9884	9871	9580	8178	6177	7600	7612
1635	708.7	639.7	438.4	678.9	568.8			441.3			243.7	9827	9839	9527	8135	6135	7561	7576
1636	707.0	638.7	438.6	677.4	568.2			441.5	719.9	640.2	243.4	9781	9779	9463	8096	6142	7532	7537
1637	705.5	637.9	438.6	676.0	567.7			441.5			242.7	9724	9725	9435	8068	6113	7525	7516
1638	704.0	637.2	438.6	674.5	567.2			441.3			240.7	9657	9676	9400	8064	6113	7504	7488
1639	702.5	636.4	438.6	673.3	566.7			441.6			238.4	9621	9633	9350	8019	6120	7482	7477
1640	700.9	635.6	438.7	671.9	566.0	181.9	23.1	441.5	713.5	637.2	237.6	9561	9577	9329	8001	6131	7458	7453
1641	699.3	634.7	438.8	670.5	565.5			441.5			237.7	9507	9510	9269	7969	6085	7433	7424
1642	697.9	634.0	438.7	669.1	564.8			441.6			237.0	9468	9464	9216	7909	6053	7376	7364
1643	696.4	633.2	438.7	667.7	564.3			441.7			236.8	9408	9439	9152	7856	6000	7308	7322
1644	694.8	632.2	438.9	666.5	563.8			441.7	706.9	634.0	236.3	9358	9361	9117	7806	5940	7241	7247
1645	693.4	631.5	438.8	665.0	563.1			441.6			236.2	9322	9326	9053	7736	5876	7184	7219
1646	691.7	630.7	438.9	663.7	562.5			441.8			235.5	9269	9265	8983	7675	5833	7141	7152
1647	690.4	629.9	438.9	662.3	562.0			441.7			234.0	9237	9226	8940	7630	5784	7088	7102
1648	688.9	629.0	439.0	661.1	561.4	185.0	24.2	441.8	700.7	630.6	234.5	9191	9184	8891	7580	5752	7067	7067
1649	687.3	628.2	439.0	659.6	560.8			441.9			234.3	9123	9134	8845	7569	5731	7042	7056
1650	685.8	627.5	439.1	658.3	560.3			441.9			234.0	9066	9074	8820	7527	5741	7013	7028
1651	684.5	626.7	439.0	656.9	559.7			441.9			233.8	9020	9042	8771	7530	5748	7024	7017
1652	682.9	625.7	439.0	655.7	559.1			441.9	694.4	627.5	233.8	8977	8986	8739	7499	5745	7003	6993
1653	681.5	625.0	439.1	654.3	558.4			441.9			233.7	8935	8947	8707	7470	5745	6985	6964
1654	679.9	624.2	439.1	653.1	557.8			441.9			233.6	8892	8908	8661	7431	5709	6946	6922
1655	678.6	623.2	439.2	651.7	557.3			441.9			233.7	8835	8847	8615	7396	5670	6900	6886
1656	677.2	622.5	439.3	650.4	556.8	188.0	25.2	442.0	688.3	624.2	233.5	8810	8805	8555	7339	5614	6843	6851
1657	675.6	621.6	439.4	649.1	556.1			442.0			233.6	8753	8759	8495	7279	5543	6789	6777
1658	674.0	620.6	439.3	647.7	555.6			442.0			234.0	8696	8702	8432	7198	5493	6715	6745
1659	672.7	619.9	439.4	646.4	554.8			442.0			233.5	8668	8653	8400	7173	5433	6669	6674
1660	671.4	619.2	439.4	645.1	554.2			442.2	682.2	621.1	232.9	8636	8635	8343	7134	5411	6640	6656
1661	669.9	618.3	439.4	643.7	553.6			442.2			232.7	8575	8585	8287	7074	5376	6615	6614
1662	668.5	617.5	439.4	642.4	553.2			442.2			232.6	8554	8529	8262	7056	5372	6594	6603
1663	667.1	616.7	439.5	641.1	552.5			442.2			232.0	8504	8472	8234	7035	5390	6590	6579
1664	665.7	616.0	439.5	639.9	551.9	190.9	26.1	442.3	676.2	617.8	231.9	8443	8440	8220	7074	5419	6580	6582
1665	664.4	615.0	439.5	638.5	551.3			442.4			231.6	8393	8401	8177	7028	5422	6573	6550
1666	662.9	614.3	439.6	637.2	550.7			442.4			230.8	8351	8366	8138	7007	5404	6548	6522
1667	661.4	613.5	439.6	636.1	550.1			442.4			230.8	8308	8320	8103	6968	5383	6512	6494
1668	659.9	612.5	439.7	634.8	549.5			442.3	670.1	614.6	230.5	8276	8277	8043	6925	5319	6469	6451
1669	658.7	611.7	439.6	633.4	548.9			442.4			230.1	8240	8235	8000	6872	5266	6398	6395
1670	657.2	611.0	439.7	632.1	548.3			442.4			230.0	8198	8185	7940	6794	5199	6341	6334
1671	655.8	610.0	439.7	631.0	547.5			442.5			229.8	8148	8153	7887	6741	5138	6288	6288
1672	654.6	609.4	439.7	629.6	547.0	193.6	27.3	442.5	664.3	611.5	229.8	8123	8118	7842	6706	5110	6235	6249
1673	653.1	608.6	439.7	628.4	546.4			442.6			229.4	8091	8065	7792	6639	5064	6206	6218
1674	651.8	607.7	439.7	627.2	545.9			442.5			229.2	8034	8033	7767	6642	5036	6174	6189
1675	650.2	606.8	439.8	626.0	545.2			442.5			229.1	7999	7990	7725	6603	5043	6167	6168
1676	649.0	606.0	439.8	624.7	544.5			442.6	658.6	608.3	229.0	7945	7944	7697	6589	5053	6153	6172
1677	647.6	605.2	439.9	623.5	543.8			442.6			228.6	7899	7909	7690	6596	5078	6146	6147
1678	646.3	604.4	439.8	622.2	543.3			442.6			228.6	7856	7870	7647	6568	5078	6146	6154
1679	644.9	603.5	439.9	620.9	542.8			442.6			228.6	7831	7834	7622	6557	5078	6135	6118
1680	643.5	602.7	440.0	619.6	542.1	196.2	28.3	442.7	652.9	605.0	228.5	7796	7806	7591	6533	5053	6114	6097
1681	642.1	602.0	439.9	618.4	541.4			442.7			228.5	7756	7757	7538	6497	5025	6064	6044
1682	640.8	601.1	440.0	617.2	540.8			442.7			228.3	7710	7700	7509	6433	4975	6025	6009
1683	639.4	600.4	439.9	615.8	540.3			442.7			228.1	7682	7686	7449	6394	4933	5979	5952
1684	638.0	599.4	440.2	614.7	539.6			442.8	647.1	601.8	227.9	7646	7643	7403	6334	4858	5922	5899
1685	636.7	598.8	440.0	613.5	539.1			442.7			227.9	7621	7594	7361	6278	4823	5883	5849
1686	635.3	597.9	440.0	612.1	538.4			442.8			227.8	7568	7569	7311	6228	4759	5822	5811
1687	634.0	596.9	440.2	611.1	537.8			442.8			227.7	7525	7530	7269	6186	4748	5805	5789
1688	632.7	596.3	440.2	609.9	537.2	198.7	29.3	442.9	641.6	598.6	227.5	7493	7494	7244	6175	4709	5769	5775
1689	631.2	595.4	440.3	608.7	536.5			442.9			227.5	7454	7470	7209	6147	4724	5751	5779
1690	629.8	594.6	440.2	607.5	535.9			442.8			227.3	7425	7413	7188	6154	4724	5755	5757
1691	628.5	593.8	440.2	606.3	535.4			442.8			227.2	7383	7385	7167	6136	4734	5748	5740
1692	627.1	593.0	440.4	605.2	534.7			442.9	636.2	595.4	227.2	7347	7346	7135	6122	4748	5734	5733
1693	625.9	592.2	440.4	603.8	534.1			442.9			227.0	7311	7310	7113	6108	4752	5719	5726
1694	624.5	591.3	440.4	602.7	533.6			443.1			227.0	7276	7289	7075	6080	4745	5694	5687
1695	623.2	590.4	440.4	601.6	532.9			443.1			226.7	7240	7236	7029	6051	4713	5662	5651
1696	621.9	589.7	440.4	600.3	532.2	201.3	30.5	443.1	630.6	592.3	226.7	7205	7214	6993	6002	4663	5630	5605
1697	620.5	588.9	440.5	599.1	531.6			443.1			226.6	7158	7176	6951	5977	4617	5591	5570

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1698	619.2	588.0	440.5	598.0	531.1			443.2			226.6	7123	7140	6901	5920	4560	5542	5527
1699	617.9	587.2	440.6	596.8	530.4			443.2			226.6	7090	7108	6862	5874	4507	5492	5474
1700	616.5	586.5	440.4	595.7	529.8			443.1	625.4	589.0	226.7	7083	7062	6824	5817	4482	5456	5439
1701	615.1	585.6	440.4	594.5	529.2			443.2			226.5	7033	7030	6785	5786	4443	5424	5393
1702	613.9	584.8	440.5	593.2	528.6			443.2			226.6	7009	6995	6749	5761	4426	5399	5396
1703	612.6	583.9	440.4	592.1	527.9			443.2			226.6	6973	6963	6721	5747	4408	5381	5382
1704	611.3	583.1	440.6	591.1	527.2	203.4	31.8	443.3	620.1	585.8	226.7	6934	6938	6700	5729	4429	5367	5365
1705	610.0	582.2	440.7	589.8	526.6			443.2			226.7	6895	6896	6668	5722	4433	5357	5365
1706	608.6	581.4	440.6	588.8	526.0			443.3			226.7	6866	6867	6657	5711	4426	5349	5350
1707	607.5	580.6	440.7	587.6	525.5			443.3			226.7	6816	6828	6622	5701	4443	5335	5347
1708	606.1	579.9	440.6	586.3	524.9			443.3	615.0	582.6	227.0	6788	6793	6604	5676	4440	5314	5326
1709	604.9	579.0	440.7	585.4	524.3			443.3			227.0	6759	6757	6569	5644	4411	5300	5294
1710	603.5	578.1	440.8	584.3	523.7			443.4			227.0	6727	6740	6534	5626	4387	5271	5265
1711	602.2	577.3	440.8	583.1	522.9			443.4			226.8	6706	6708	6502	5573	4351	5232	5230
1712	601.1	576.6	440.7	582.0	522.3	205.6	33.0	443.4	609.7	579.4	227.1	6670	6676	6460	5541	4298	5189	5188
1713	599.8	575.7	440.7	580.7	521.8			443.4			227.2	6631	6644	6435	5495	4262	5161	5152
1714	598.4	574.9	440.8	579.8	521.1			443.4			227.4	6610	6616	6389	5460	4227	5125	5092
1715	597.2	574.1	440.9	578.6	520.5			443.4			227.5	6574	6573	6339	5407	4170	5090	5046
1716	596.0	573.3	440.8	577.6	519.8			443.5	604.9	576.4	227.6	6546	6545	6311	5396	4138	5054	5032
1717	594.8	572.5	440.7	576.4	519.2			443.4			227.9	6517	6527	6283	5347	4131	5033	5011
1718	593.5	571.6	440.9	575.3	518.6			443.5			228.0	6489	6495	6251	5333	4135	5015	5003
1719	592.3	570.9	440.8	574.3	518.1			443.4			228.1	6464	6449	6237	5318	4135	5005	4982
1720	590.9	570.0	440.9	573.3	517.4	207.7	34.2	443.5	599.8	573.2	228.2	6428	6417	6209	5315	4131	4990	4996
1721	589.9	569.2	440.9	572.0	517.0			443.4			228.3	6403	6400	6201	5322	4135	4990	4979
1722	588.5	568.4	441.1	571.0	516.1			443.5			228.5	6360	6375	6170	5304	4145	4976	4979
1723	587.3	567.6	440.9	569.9	515.6			443.5			228.6	6328	6336	6159	5283	4152	4965	4961
1724	586.1	566.6	440.9	568.7	514.9			443.5	594.8	570.0	228.5	6307	6308	6124	5272	4135	4937	4954
1725	584.8	566.1	440.9	567.6	514.4			443.6			228.5	6275	6283	6106	5244	4117	4926	4926
1726	583.7	565.1	440.9	566.6	513.8			443.5			228.5	6246	6261	6071	5212	4085	4891	4883
1727	582.4	564.2	441.1	565.6	513.0			443.5			228.3	6207	6230	6025	5177	4046	4848	4848
1728	581.3	563.6	441.0	564.4	512.6	209.6	35.5	443.5	590.1	566.7	228.6	6193	6201	5993	5120	3996	4809	4809
1729	580.0	562.9	441.0	563.5	511.8			443.5			228.2	6161	6162	5958	5092	3950	4784	4763
1730	578.7	562.0	441.1	562.5	511.2			443.6			228.2	6140	6123	5905	5085	3950	4763	4688
1731	577.7	561.1	441.1	561.2	510.7			443.7			228.2	6111	6095	5851	5049	3901	4713	4678
1732	576.4	560.3	441.2	560.3	510.1			443.7	585.3	563.8	228.1	6075	6084	5851	5056	3901	4684	4703
1733	575.2	559.5	441.2	559.1	509.4			443.7			228.0	6047	6031	5823	5021	3886	4709	4667
1734	574.1	558.7	441.2	558.1	508.7			443.7			228.1	6036	6010	5798	5028	3862	4684	4649
1735	573.0	557.9	441.2	557.1	508.2			443.9			228.1	6008	5971	5777	5032	3883	4684	4660
1736	571.8	557.2	441.2	556.1	507.5	211.5	37.0	443.7	580.7	560.8	228.1	5976	5964	5763	5042	3950	4670	4653
1737	570.5	556.4	441.2	555.0	507.0			443.9			228.1	5936	5928	5763	5028	3936	4663	4664
1738	569.4	555.6	441.2	553.9	506.5			443.7			228.2	5897	5904	5699	5000	3947	4649	4674
1739	568.3	554.7	441.2	553.0	505.9			443.9			228.1	5894	5868	5721	4986	3954	4652	4632
1740	567.1	554.0	441.2	551.9	505.1			443.7	575.9	557.6	228.2	5854	5847	5696	4986	3915	4610	4639
1741	565.9	553.0	441.1	550.9	504.5			443.7			228.1	5830	5815	5657	4936	3862	4603	4572
1742	564.8	552.2	441.1	550.0	503.8			443.7			228.0	5790	5833	5600	4918	3823	4567	4561
1743	563.6	551.4	441.0	548.9	503.3			443.9			228.1	5790	5790	5604	4805	3798	4563	4540
1744	562.5	550.6	441.1	547.9	502.7	213.2	38.3	443.9	571.5	554.6	228.4	5772	5748	5583	4741	3762	4524	4518
1745	561.4	549.8	441.1	546.9	502.0			443.9			228.4	5733	5719	5544	4699	3691	4485	4423
1746	560.3	549.2	441.1	545.9	501.5			443.9			228.5	5715	5694	5498	4667	3666	4464	4409
1747	559.1	548.4	441.1	544.9	500.8			443.9			228.4	5669	5694	5491	4649	3673	4443	4370
1748	558.1	547.6	441.1	543.7	500.3			443.9	567.0	551.5	228.6	5680	5652	5455	4607	3649	4428	4387
1749	556.9	546.8	441.2	543.0	499.6			443.9			228.5	5626	5638	5385	4681	3659	4361	4324
1750	555.8	546.0	441.2	541.9	499.0			443.8			228.5	5623	5606	5388	4596	3634	4396	4331
1751	554.8	545.4	441.2	540.8	498.3			444.0			228.5	5598	5560	5374	4688	3681	4354	4327
1752	553.5	544.4	441.2	539.8	497.8	214.9	39.7	444.0	562.5	548.4	228.4	5559	5538	5367	4688	3688	4382	4345
1753	552.6	543.8	441.2	538.8	497.2			443.9			228.4	5541	5531	5342	4578	3705	4400	4366
1754	551.5	543.0	441.2	537.8	496.7			444.0			228.2	5509	5510	5328	4646	3716	4354	4331
1755	550.3	542.3	441.2	536.8	496.0			444.0			228.5	5494	5492	5346	4585	3677	4382	4345
1756	549.3	541.4	441.2	536.0	495.4			444.0	558.2	545.4	228.4	5480	5450	5310	4631	3670	4300	4320
1757	548.1	540.7	441.2	534.9	494.7			444.0			228.5	5441	5429	5296	4557	3649	4339	4313
1758	547.1	540.0	441.2	534.0	494.2			444.1			228.6	5419	5418	5271	4614	3645	4265	4249
1759	546.0	539.2	441.2	533.0	493.5			444.0			228.5	5395	5372	5204	4585	3617	4218	4242
1760	544.9	538.2	441.3	532.1	492.9	216.5	41.1	444.0	553.7	542.3	228.5	5391	5390	5215	4415	3556	4233	4214
1761	543.9	537.6	441.1	531.1	492.4			444.0			228.5	5359	5347	5180	4497	3549	4137	4175
1762	542.8	536.9	441.2	530.1	491.8			444.1			228.8	5338	5308	5137	4440	3478	4140	4143
1763	541.8	536.1	441.2	529.3	491.2			444.1			228.8	5309	5305	5070	4408	3457	4119	4101
1764	540.7	535.3	441.2	528.3	490.7			444.1	549.5	539.4	228.8	5316	5280	5063	4359	3418	4094	4079
1765	539.8	534.6	441.2	527.3	490.1			444.1			229.1	5273	5266	5073	4373	3429	4108	4054
1766	538.6	533.8	441.3	526.3	489.4			444.1			229.2	5238	5223	5027	4366	3421	4105	4026
1767	537.7	532.9	441.3	525.5	488.8			444.1			229.2	5227	5187	4999	4355	3429	4097	4044
1768	536.7	532.3	441.3	524.5	488.2	217.9	42.5	444.1	545.3	536.4	229.3	5206	5159	4992	4348	3453	4090	4051
1769	535.5	531.6	441.3	523.5	487.7			444.0			229.3	5166	5152	4988	4380	3471	4090	4069
1770	534.6	530.7	441.3	522.6	487.1			444.0			229.3	5145	5148	5010	4334	3460	4087	4065
1771	533.6	529.9	441.2	521.8	486.5			444.1			229.4	5123	5145	4974	4320	3482	4069	4076
1772	532.5	529.2	441.2	520.8	485.9			444.1	541.2	533.4	229.5	5106	5117	4957	4256	3478	4069	4058
1773	531.5	528.4	441.3	519.8	485.3			444.1			229.5	5095	5134	4950	4252	3482	4030	4054
1774	530.6	527.7	441.2	519.0	484.7			444.2			229.5	5063	5099	4974	4302	3404	4026	4001
1775	529.5	527.0	441.3	518.1	484.1			444.1			229.5	5063	5053	4978	4224	3358	3980	3987
1776	528.5	526.3	441.3	517.1	483.5	219.5	44.0	444.1	537.2	530.5	229.6	5002	5010	4918	4228	3358	3959	3959
1777	527.6	525.4	441.3	516.1	483.0			444.2			229.6	5009	5003	4868	4164	3283	3916	3934
1778	526.6	524.6	441.3	515.3	482.3			444.1			229.8	4992	4975	4858	4128	3255	3895	3881

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1779	525.6	524.0	441.3	514.4	481.7			444.2			229.9	4963	4939	4808	4114	3237	3852	3849
1780	524.6	523.2	441.3	513.5	481.1			444.1	533.1	527.6	229.9	4942	4929	4780	4079	3205	3827	3824
1781	523.6	522.5	441.3	512.6	480.6			444.1			230.0	4917	4915	4769	4075	3138	3827	3821
1782	522.6	521.8	441.3	511.6	480.1			444.1			229.9	4906	4904	4776	4022	3148	3816	3746
1783	521.7	520.9	441.4	510.8	479.5			444.1			230.1	4899	4869	4720	4044	3155	3813	3761
1784	520.8	520.4	441.5	509.9	478.8	220.7	45.4	444.2	529.1	524.7	230.0	4870	4865	4723	4019	3166	3802	3814
1785	519.9	519.6	441.5	509.1	478.3			444.2			230.1	4838	4847	4699	4001	3152	3813	3778
1786	518.8	518.9	441.3	508.1	477.7			444.2			230.2	4803	4794	4709	4033	3205	3806	3743
1787	518.0	518.2	441.5	507.3	477.1			444.2			230.2	4810	4783	4699	4012	3159	3813	3785
1788	517.0	517.5	441.5	506.4	476.6			444.2	525.1	521.8	230.4	4803	4791	4695	4008	3187	3813	3757
1789	516.0	516.7	441.3	505.5	476.0			444.2			230.5	4764	4744	4656	4029	3226	3809	3782
1790	515.1	515.9	441.3	504.6	475.5			444.2			230.6	4742	4734	4653	3976	3216	3759	3753
1791	514.1	515.3	441.3	503.7	474.8			444.2			230.6	4724	4705	4617	3980	3184	3742	3753
1792	513.1	514.6	441.6	502.9	474.3	222.1	46.8	444.1	521.3	518.9	230.7	4703	4698	4614	3959	3152	3717	3711
1793	512.3	513.9	441.3	502.1	473.8			444.3			230.8	4674	4684	4564	3916	3127	3699	3693
1794	511.4	513.0	441.2	501.1	473.2			444.3			231.0	4646	4656	4532	3873	3099	3649	3619
1795	510.3	512.3	441.2	500.3	472.6			444.3			231.0	4653	4624	4522	3845	3059	3624	3637
1796	509.6	511.7	441.3	499.5	472.0			444.3	517.5	516.1	231.1	4642	4617	4511	3813	3031	3592	3601
1797	508.6	511.1	441.2	498.6	471.5			444.3			231.2	4621	4581	4465	3810	3006	3581	3605
1798	507.7	510.1	441.3	497.8	470.8			444.4			231.3	4603	4578	4440	3767	2971	3571	3544
1799	506.9	509.6	441.2	497.0	470.3			444.4			231.3	4582	4553	4416	3767	2971	3539	3530
1800	505.9	508.9	441.2	496.1	469.7	223.1	48.2	444.3	513.6	513.3	231.4	4542	4528	4387	3739	2939	3546	3527
1801	505.0	508.1	441.2	495.2	469.1			444.3			231.4	4549	4510	4412	3700	2974	3532	3481
1802	504.2	507.5	441.3	494.5	468.8			444.4			231.6	4532	4510	4384	3739	2942	3539	3491
1803	503.2	506.7	441.2	493.5	468.1			444.3			231.6	4489	4489	4373	3707	2967	3542	3509
1804	502.4	506.2	441.2	492.7	467.5			444.3	509.9	510.6	231.6	4474	4454	4369	3718	2956	3532	3495
1805	501.5	505.3	441.3	492.0	466.8			444.4			231.8	4478	4443	4348	3714	2996	3542	3506
1806	500.6	504.7	441.2	491.1	466.3			444.1			231.9	4435	4436	4355	3728	2996	3521	3509
1807	499.7	503.9	441.3	490.3	465.8			444.4			232.0	4421	4425	4334	3728	3003	3521	3502
1808	498.9	503.3	441.1	489.4	465.3	224.3	49.6	444.3	506.2	507.7	232.1	4403	4390	4306	3703	2988	3507	3502
1809	498.0	502.6	441.1	488.6	464.6			444.3			232.0	4378	4369	4285	3682	2999	3489	3470
1810	497.2	502.0	441.1	487.9	464.2			444.3			232.1	4350	4379	4281	3672	2981	3468	3438
1811	496.4	501.2	441.1	487.0	463.5			444.3			232.3	4357	4365	4239	3618	2946	3436	3424
1812	495.5	500.5	441.1	486.1	463.0			444.3	502.5	505.0	232.3	4321	4319	4193	3622	2935	3421	3406
1813	494.6	500.0	441.0	485.3	462.5			444.3			232.6	4321	4308	4179	3611	2914	3404	3389
1814	493.8	499.1	441.2	484.6	461.9			444.4			232.7	4296	4291	4154	3572	2868	3375	3360
1815	493.0	498.6	441.1	483.9	461.4			444.4			232.7	4289	4284	4122	3540	2846	3339	3339
1816	492.1	497.9	441.0	483.1	460.9	225.3	51.0	444.3	499.2	502.3	232.8	4278	4259	4104	3519	2825	3322	3318
1817	491.2	497.1	441.0	482.1	460.2			444.4			232.9	4257	4241	4087	3498	2790	3304	3297
1818	490.4	496.4	440.9	481.4	459.7			444.4			233.0	4236	4252	4101	3505	2775	3293	3275
1819	489.6	495.8	440.9	480.7	459.0			444.4			233.0	4214	4209	4065	3473	2740	3247	3279
1820	488.7	495.2	440.9	479.8	458.5			444.5	495.6	499.5	233.2	4200	4184	3991	3399	2814	3293	3272
1821	487.8	494.5	440.8	479.1	458.1			444.4			233.3	4175	4177	4019	3438	2775	3247	3258
1822	487.1	493.8	440.8	478.2	457.5			444.3			233.4	4157	4152	4016	3406	2779	3279	3236
1823	486.2	493.0	440.8	477.3	457.0			444.3			233.5	4153	4138	3998	3452	2790	3272	3247
1824	485.5	492.6	440.7	476.7	456.4	226.2	52.6	444.3	492.0	496.9	233.5	4136	4135	4002	3441	2793	3282	3236
1825	484.7	491.8	440.7	475.8	455.9			444.4			233.7	4114	4120	3980	3438	2800	3279	3233
1826	484.0	491.2	440.7	475.2	455.3			444.4			233.7	4107	4106	3973	3434	2807	3272	3222
1827	483.1	490.5	440.5	474.4	454.7			444.4			233.9	4089	4088	3959	3423	2814	3254	3222
1828	482.3	489.9	440.7	473.5	454.2			444.4	488.6	494.3	234.0	4071	4074	3959	3416	2807	3282	3162
1829	481.4	489.1	440.4	472.8	453.7			444.3			234.1	4050	4046	3931	3367	2825	3279	3187
1830	480.7	488.5	440.4	472.0	453.2			444.3			234.0	4039	4028	3903	3381	2779	3250	3162
1831	479.8	487.9	440.4	471.1	452.6			444.4			234.2	4018	4021	3917	3384	2715	3179	3176
1832	479.1	487.2	440.3	470.5	452.1	227.2	54.0	444.4	485.3	491.5	234.3	3986	3989	3917	3328	2694	3154	3144
1833	478.3	486.5	440.3	469.7	451.5			444.2			234.3	3997	3986	3842	3303	2719	3183	3102
1834	477.6	485.9	440.2	469.1	451.0			444.4			234.3	3982	3975	3832	3278	2662	3147	3088
1835	476.8	485.2	440.2	468.3	450.4			444.4			234.4	3979	3954	3828	3285	2598	3090	3095
1836	475.9	484.7	440.1	467.5	449.9			444.2	481.8	489.0	234.4	3947	3929	3814	3282	2609	3080	3063
1837	475.2	484.0	439.9	466.7	449.4			444.4			234.7	3939	3932	3793	3200	2612	3097	3024
1838	474.4	483.4	439.9	466.0	448.9			444.4			234.8	3925	3908	3786	3222	2570	3040	3052
1839	473.7	482.7	439.8	465.4	448.3			444.4			234.9	3904	3886	3758	3229	2587	3083	3017
1840	472.9	482.1	439.7	464.5	447.8	228.1	55.4	444.4	478.5	486.4	235.0	3900	3886	3747	3239	2538	3023	3017
1841	472.1	481.4	439.7	463.8	447.2			444.4			235.0	3882	3847	3743	3183	2587	3076	3010
1842	471.4	480.7	439.7	463.0	446.7			444.5			235.0	3872	3879	3750	3200	2573	3026	3038
1843	470.7	480.2	439.5	462.2	446.2			444.2			235.1	3857	3826	3712	3172	2616	3069	2988
1844	469.8	479.5	439.5	461.6	445.6			444.4	475.3	483.7	235.2	3836	3833	3726	3211	2594	3037	3013
1845	469.1	478.9	439.4	460.8	445.1			444.5			235.4	3804	3801	3719	3186	2577	3030	2995
1846	468.3	478.3	439.2	460.2	444.6			444.2			235.4	3811	3794	3704	3193	2612	3030	3010
1847	467.7	477.7	439.2	459.4	444.2			444.2			235.5	3779	3784	3701	3200	2612	3030	3010
1848	466.9	477.1	439.1	458.6	443.6	228.9	56.8	444.4	471.9	481.0	235.5	3779	3769	3683	3165	2605	3019	2985
1849	466.1	476.5	438.9	458.0	443.0			444.4			235.7	3740	3730	3609	3214	2626	3026	2978
1850	465.4	475.9	438.9	457.3	442.7			444.4			235.8	3725	3720	3574	3183	2612	2998	2974
1851	464.7	475.2	438.8	456.5	442.2			444.4			235.8	3729	3713	3577	3168	2609	2987	2946
1852	463.9	474.6	438.9	455.8	441.5			444.4	468.7	478.5	235.9	3704	3698	3559	3158	2605	2976	2949
1853	463.2	473.9	438.7	455.1	441.0			444.4			236.1	3704	3681	3538	3140	2566	2951	2914
1854	462.5	473.3	438.8	454.4	440.5			444.4			236.2	3686	3677	3524	3105	2562	2923	2882
1855	461.8	472.7	438.6	453.7	440.0			444.4			236.3	3682	3663	3499	3090	2499	2905	2882
1856	461.1	472.1	438.4	452.9	439.5	229.6	58.3	444.4	465.5	476.0	236.3	3665	3649	3503	3080	2470	2873	2861
1857	460.3	471.5	438.3	452.2	439.0			444.4			236.4	3643	3624	3467	3058	2495	2862	2836
1858	459.7	471.0	438.1	451.5	438.5			444.5			236.5	3640	3617	3467	3012	2459	2838	2843
1859	459.0	470.4	438.1	450.8	438.1			444.3			236.6	3615	3613	3432	2995	2438	2816	2850

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1860	458.2	469.7	438.0	450.2	437.4			444.5	462.3	473.5	236.6	3615	3588	3432	3005	2445	2823	2808
1861	457.5	469.1	438.0	449.4	436.9			444.3			236.9	3604	3588	3397	3016	2427	2816	2801
1862	456.9	468.5	438.0	448.8	436.4			444.4			237.0	3586	3574	3400	2995	2406	2798	2818
1863	456.1	467.9	437.7	448.1	435.8			444.4			237.1	3568	3571	3379	2973	2431	2813	2815
1864	455.5	467.3	437.7	447.4	435.5	230.3	59.7	444.4	459.1	470.9	237.5	3561	3549	3389	2984	2452	2802	2801
1865	454.7	466.8	437.6	446.8	434.9			444.3			237.5	3554	3528	3379	2988	2442	2809	2808
1866	454.0	466.1	437.3	446.0	434.4			444.4			237.6	3529	3535	3375	2984	2463	2805	2783
1867	453.4	465.6	437.4	445.4	433.9			444.4			237.6	3515	3500	3361	2970	2477	2805	2808
1868	452.7	464.9	437.2	444.7	433.4			444.5	456.1	468.4	237.7	3504	3496	3354	2995	2467	2809	2772
1869	452.0	464.4	437.1	443.9	432.8			444.4			237.8	3475	3493	3389	2938	2438	2805	2786
1870	451.3	463.8	436.8	443.4	432.4			444.4			237.9	3472	3479	3375	2924	2435	2795	2765
1871	450.7	463.1	436.7	442.8	431.9			444.4			238.0	3461	3468	3365	2910	2417	2788	2747
1872	449.8	462.5	436.6	442.1	431.3	230.8	61.2	444.2	452.9	465.9	238.0	3458	3454	3347	2892	2406	2770	2730
1873	449.2	461.8	436.3	441.3	430.8			444.4			238.3	3440	3443	3305	2881	2371	2734	2708
1874	448.5	461.4	436.2	440.6	430.4			444.4			238.4	3425	3429	3308	2856	2349	2713	2691
1875	447.9	460.8	436.1	440.0	429.8			444.4			238.5	3400	3397	3319	2825	2364	2713	2666
1876	447.3	460.3	436.1	439.4	429.4			444.4	449.9	463.4	238.5	3390	3397	3276	2782	2364	2695	2648
1877	446.7	459.7	436.0	438.8	428.9			444.4			238.7	3404	3376	3269	2786	2289	2663	2634
1878	446.0	459.1	436.0	438.1	428.5			444.2			239.0	3390	3358	3241	2800	2307	2652	2627
1879	445.2	458.6	435.9	437.4	427.9			444.4			239.0	3376	3344	3248	2754	2253	2631	2620
1880	444.5	458.0	435.9	436.6	427.5	231.6	62.5	444.4	446.9	461.2	239.1	3358	3354	3216	2732	2243	2624	2581
1881	444.0	457.4	435.6	436.1	426.9			444.5			239.3	3354	3340	3213	2743	2289	2638	2620
1882	443.3	456.8	435.5	435.5	426.5			444.2			239.5	3329	3326	3181	2754	2253	2603	2606
1883	442.6	456.2	435.4	434.8	425.9			444.2			239.9	3315	3330	3177	2743	2250	2603	2606
1884	441.9	455.5	435.4	434.1	425.4			444.4	443.8	458.6	240.0	3304	3315	3177	2739	2257	2603	2616
1885	441.2	455.1	435.4	433.5	424.9			444.2			240.1	3290	3305	3167	2754	2271	2603	2613
1886	440.7	454.6	435.2	432.9	424.5			444.4			240.6	3283	3287	3170	2743	2261	2603	2606
1887	440.0	454.0	435.4	432.3	424.0			444.2			240.7	3279	3280	3163	2743	2282	2603	2602
1888	439.5	453.4	435.2	431.7	423.7	232.0	63.9	444.2	440.7	456.1	241.0	3254	3266	3156	2750	2293	2613	2602
1889	438.7	452.8	435.2	431.0	423.1			444.2			241.3	3240	3255	3145	2743	2296	2606	2606
1890	438.2	452.3	435.2	430.4	422.6			444.2			241.5	3233	3248	3142	2743	2303	2606	2599
1891	437.6	451.8	435.2	429.8	422.1			444.2			241.7	3222	3234	3153	2733	2300	2613	2588
1892	437.0	451.2	435.1	429.0	421.7			444.3	437.8	453.9	241.8	3212	3223	3135	2722	2293	2610	2574
1893	436.3	450.6	434.9	428.5	421.1			444.2			242.1	3201	3209	3117	2711	2278	2595	2556
1894	435.6	450.0	434.9	427.8	420.6			444.3			242.3	3190	3191	3106	2686	2253	2578	2535
1895	435.0	449.5	434.9	427.2	420.2			444.3			242.7	3186	3181	3089	2665	2232	2549	2514
1896	434.3	449.0	434.9	426.6	419.7	232.4	65.2	444.2	434.9	451.6	243.0	3179	3170	3067	2640	2200	2535	2496
1897	433.7	448.5	434.8	426.0	419.2			444.3			243.2	3165	3159	3039	2633	2129	2517	2453
1898	433.1	447.9	434.9	425.4	418.8			444.2			243.4	3158	3159	3050	2587	2118	2499	2457
1899	432.5	447.4	434.8	424.8	418.3			444.2			243.7	3147	3138	3011	2583	2126	2464	2443
1900	432.0	446.8	434.8	424.2	417.8			444.1	431.9	449.0	243.9	3136	3127	3004	2559	2104	2453	2425
1901	431.3	446.3	434.7	423.7	417.4			444.2			244.1	3125	3117	2993	2544	2086	2439	2421
1902	430.6	445.8	434.7	423.0	416.9			444.2			244.3	3122	3106	2972	2537	2079	2428	2414
1903	430.0	445.3	434.6	422.3	416.3			444.3			244.5	3104	3095	2972	2534	2072	2417	2404
1904	429.5	444.7	434.6	421.7	415.8	232.9	66.6	444.2	429.2	446.8	244.7	3090	3092	2961	2527	2083	2417	2407
1905	428.9	444.1	434.5	421.0	415.5			444.2			245.0	3090	3081	2954	2527	2083	2407	2407
1906	428.2	443.5	434.5	420.5	415.1			444.3			245.2	3072	3063	2951	2523	2094	2410	2404
1907	427.7	443.0	434.5	420.0	414.5			444.2			245.4	3058	3063	2944	2523	2097	2410	2414
1908	427.0	442.6	434.5	419.5	414.1			444.2	426.5	444.5	245.8	3058	3053	2940	2530	2111	2414	2414
1909	426.4	442.0	434.3	419.0	413.6			444.2			245.9	3043	3042	2936	2527	2115	2410	2407
1910	425.7	441.4	434.3	418.2	413.2			444.1			246.1	3033	3035	2933	2530	2122	2414	2414
1911	425.2	440.9	434.3	417.5	412.7			444.2			246.3	3018	3021	2915	2527	2122	2414	2414
1912	424.6	440.4	434.4	416.9	412.2	233.3	68.0	444.1	423.8	442.2	246.3	3011	3010	2912	2530	2129	2417	2407
1913	424.2	439.8	434.2	416.4	411.8			444.2			246.5	3004	3003	2908	2520	2133	2410	2407
1914	423.5	439.4	434.2	415.8	411.4			444.2			246.7	2990	2989	2904	2520	2126	2414	2389
1915	422.9	438.9	434.4	415.2	411.0			444.3			247.0	2983	2978	2890	2505	2118	2400	2382
1916	422.3	438.4	434.0	414.7	410.5			444.1	421.2	439.8	247.3	2972	2975	2883	2505	2111	2385	2365
1917	421.7	437.8	434.0	414.1	410.0			444.2			247.4	2958	2964	2876	2484	2090	2382	2351
1918	421.2	437.3	434.1	413.4	409.4			444.2			247.8	2954	2957	2855	2470	2069	2368	2336
1919	420.6	436.7	434.0	412.8	408.9			444.2			247.9	2943	2936	2841	2459	2051	2360	2315
1920	420.1	436.2	433.9	412.4	408.6	233.6	69.4	444.2	418.5	437.6	248.4	2943	2932	2830	2435	2030	2339	2305
1921	419.4	435.8	433.9	411.8	408.1			444.2			248.7	2922	2918	2820	2413	2016	2325	2287
1922	418.9	435.2	433.8	411.2	407.6			444.1			249.1	2919	2911	2802	2399	1987	2314	2269
1923	418.3	434.8	433.7	410.6	407.2			444.1			249.3	2912	2908	2781	2382	1973	2293	2255
1924	417.6	434.2	433.7	410.1	406.8			444.1	415.9	435.3	249.7	2904	2893	2777	2371	1962	2279	2248
1925	417.0	433.7	433.7	409.5	406.5			444.1			249.9	2886	2890	2763	2360	1955	2268	2230
1926	416.7	433.2	433.7	409.0	405.9			444.1			250.4	2890	2879	2763	2353	1944	2257	2234
1927	416.0	432.8	433.7	408.3	405.5			444.2			250.8	2872	2868	2752	2346	1944	2254	2234
1928	415.5	432.3	433.7	407.7	405.0	233.8	70.6	444.1	413.5	433.1	251.1	2872	2861	2738	2346	1944	2246	2234
1929	414.8	431.7	433.4	407.2	404.7			444.2			251.7	2851	2847	2738	2339	1948	2243	2234
1930	414.3	431.3	433.4	406.7	404.2			444.2			252.0	2851	2844	2724	2339	1948	2246	2234
1931	413.7	430.7	433.4	406.2	403.8			444.1			252.2	2833	2829	2724	2349	1966	2246	2237
1932	413.3	430.2	433.4	405.7	403.2			444.1	411.0	431.0	252.5	2829	2819	2720	2342	1959	2239	2237
1933	412.7	429.8	433.3	405.0	402.8			444.1			253.2	2818	2815	2717	2349	1973	2246	2237
1934	412.1	429.3	433.3	404.4	402.3			444.1			253.5	2811	2812	2713	2349	1991	2239	2237
1935	411.5	428.7	433.2	403.9	401.9			444.2			253.9	2797	2797	2706	2339	1983	2239	2234
1936	411.1	428.3	433.2	403.3	401.6	234.2	71.9	444.1	408.4	428.9	254.3	2793	2794	2703	2349	1991	2246	2241
1937	410.5	427.8	433.2	402.8	401.2			444.0			254.7	2779	2780	2699	2339	1991	2243	2234
1938	410.0	427.3	433.0	402.3	400.6			444.1			255.0	2768	2776	2696	2342	1987	2232	2226
1939	409.4	426.8	433.0	401.7	400.2			444.0			255.2	2761	2765	2681	2332	1980	2229	2212
1940	408.9	426.3	433.0	401.2	399.7			444.1	406.2	426.6	255.7	2754	2751	2674	2321	1969	2218	2202

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
1941	408.3	425.9	432.7	400.6	399.3			444.0			256.5	2736	2744	2664	2307	1951	2207	2191
1942	407.9	425.4	432.7	400.1	399.0			444.0			256.6	2733	2733	2650	2296	1934	2197	2173
1943	407.3	424.9	432.7	399.5	398.4			444.1			257.0	2729	2730	2639	2286	1927	2186	2156
1944	406.8	424.3	432.6	399.0	398.0	234.4	73.1	444.1	403.9	424.5	257.2	2722	2712	2625	2254	1909	2179	2127
1945	406.2	423.9	432.6	398.3	397.6			444.0			258.1	2715	2705	2611	2250	1884	2165	2120
1946	405.8	423.4	432.5	398.0	397.2			444.1			258.6	2704	2702	2604	2236	1873	2154	2106
1947	405.0	422.9	432.4	397.3	396.8			444.0			259.2	2701	2687	2582	2225	1863	2140	2095
1948	404.6	422.5	432.4	396.8	396.2			444.0	401.4	422.5	259.9	2701	2677	2579	2250	1863	2129	2095
1949	404.1	422.0	432.3	396.3	395.8			444.1			260.6	2683	2680	2575	2215	1845	2125	2095
1950	403.7	421.5	432.1	395.9	395.5			444.1			261.3	2668	2666	2593	2225	1856	2125	2081
1951	403.0	421.1	432.0	395.2	394.9			444.0			262.4	2668	2638	2536	2200	1856	2100	2078
1952	402.6	420.5	432.0	394.8	394.6	234.6	74.5	444.1	399.3	420.4	263.0	2650	2641	2547	2186	1827	2107	2092
1953	402.1	420.1	431.9	394.2	394.2			444.0			264.4	2647	2634	2543	2200	1845	2111	2067
1954	401.5	419.7	431.9	393.7	393.7			444.0			265.1	2640	2638	2540	2200	1856	2104	2074
1955	400.9	419.2	431.9	393.2	393.3			444.0			267.0	2625	2627	2540	2200	1859	2107	2081
1956	400.4	418.6	431.8	392.6	392.8			444.0	396.9	418.3	268.0	2618	2613	2540	2204	1866	2097	2081
1957	399.9	418.2	431.8	392.1	392.4			444.0			269.0	2615	2613	2522	2193	1873	2107	2085
1958	399.5	417.7	431.8	391.7	392.1			443.9			269.6	2607	2602	2519	2200	1873	2107	2081
1959	399.0	417.2	431.7	391.2	391.6			444.0			271.5	2597	2584	2511	2197	1873	2100	2085
1960	398.4	416.8	431.7	390.6	391.3	234.7	75.7	444.0	394.8	416.4	272.9	2586	2581	2504	2200	1880	2100	2085
1961	397.9	416.4	431.6	390.1	390.8			444.0			273.9	2582	2574	2508	2186	1884	2090	2092
1962	397.4	415.8	431.6	389.6	390.3			444.0			275.1	2565	2567	2504	2183	1873	2083	2081
1963	396.9	415.4	431.5	389.1	390.0			443.9			275.3	2554	2563	2497	2176	1873	2072	2074
1964	396.4	415.0	431.3	388.6	389.6			443.9	392.6	414.4	276.1	2550	2553	2487	2158	1859	2065	2063
1965	395.9	414.4	431.3	388.0	389.2			444.0			277.3	2547	2545	2476	2151	1834	2047	2053
1966	395.4	414.0	431.3	387.6	388.7			443.9			277.8	2536	2538	2462	2140	1820	2043	2035
1967	395.0	413.7	431.3	387.1	388.4			444.0			278.3	2525	2531	2448	2119	1802	2033	2017
1968	394.6	413.3	431.4	386.7	387.9	234.9	76.9	443.9	390.5	412.4	279.3	2522	2517	2437	2101	1785	2011	1996
1969	393.9	412.7	431.2	386.2	387.4			444.0			280.7	2518	2496	2427	2076	1753	2001	1968
1970	393.5	412.2	431.4	385.6	387.0			443.8			282.2	2511	2499	2412	2069	1745	1990	1964
1971	393.1	411.7	431.2	385.1	386.6			443.9			283.5	2508	2496	2395	2055	1728	1979	1947
1972	392.5	411.4	431.2	384.7	386.3			443.9	388.5	410.4	284.9	2497	2492	2384	2037	1710	1972	1932
1973	391.9	410.9	431.2	384.1	385.9			444.0			286.1	2493	2482	2374	2016	1699	1954	1929
1974	391.5	410.4	431.2	383.6	385.5			444.0			287.5	2486	2478	2363	2020	1685	1954	1915
1975	391.0	409.9	431.2	383.1	385.0			443.9			288.0	2475	2467	2363	2012	1681	1944	1904
1976	390.6	409.5	431.1	382.6	384.7	234.9	78.0	443.8	386.3	408.5	290.0	2472	2460	2359	2009	1681	1940	1908
1977	390.2	409.2	431.1	382.0	384.3			443.9			291.2	2461	2453	2352	2002	1685	1940	1911
1978	389.6	408.7	431.1	381.6	383.8			444.0			292.3	2454	2446	2345	2005	1685	1937	1907
1979	389.1	408.1	431.2	381.1	383.4			443.8			294.4	2443	2435	2342	2009	1696	1937	1911
1980	388.6	407.7	431.1	380.7	383.0			443.8	384.4	406.5	295.5	2436	2435	2334	2012	1699	1947	1911
1981	388.1	407.2	431.0	380.2	382.6			443.8			296.6	2432	2425	2338	2023	1713	1944	1922
1982	387.7	406.9	431.0	379.8	382.2			443.8			298.1	2425	2418	2335	2020	1721	1951	1922
1983	387.3	406.5	431.1	379.2	381.9			443.9			299.5	2411	2414	2331	2020	1731	1944	1929
1984	386.7	406.0	431.0	378.8	381.5	234.9	79.3	443.9	382.4	404.6	302.3	2411	2407	2335	2027	1738	1947	1932
1985	386.3	405.6	431.0	378.4	381.0			443.8			303.9	2397	2400	2331	2027	1742	1940	1929
1986	385.8	405.2	431.0	377.8	380.7			443.7			304.4	2397	2393	2328	2023	1742	1944	1932
1987	385.5	404.6	430.9	377.3	380.3			443.9			306.4	2375	2386	2317	2027	1749	1937	1932
1988	384.8	404.3	430.8	376.8	379.9			443.8	380.4	402.8	308.1	2375	2379	2310	2020	1742	1929	1932
1989	384.5	403.9	430.9	376.4	379.6			443.8			310.0	2365	2375	2310	2013	1738	1919	1925
1990	384.0	403.3	430.9	375.9	379.1			443.8			311.6	2365	2365	2303	2009	1731	1915	1918
1991	383.5	403.0	430.8	375.4	378.7			443.8			313.0	2354	2357	2292	1998	1713	1908	1908
1992	382.9	402.6	430.8	375.1	378.4	234.9	80.5	443.7	378.4	400.9	314.3	2350	2343	2281	1984	1706	1890	1890
1993	382.5	402.2	430.8	374.5	377.9			443.7			315.6	2343	2343	2267	1973	1692	1887	1879
1994	382.0	401.8	430.8	374.1	377.6			443.8			317.0	2336	2336	2257	1959	1671	1876	1872
1995	381.6	401.2	430.8	373.7	377.2			443.8			317.9	2325	2329	2250	1942	1657	1862	1854
1996	381.2	400.8	430.7	373.1	376.7			443.7	376.3	399.1	318.6	2325	2318	2235	1927	1635	1851	1840
1997	380.8	400.5	430.7	372.6	376.4			443.8			319.5	2311	2308	2225	1913	1621	1837	1822
1998	380.3	399.9	430.8	372.2	375.9			443.8			319.8	2318	2308	2214	1895	1607	1823	1808
1999	379.8	399.6	430.7	371.6	375.5			443.8			320.2	2307	2297	2207	1888	1596	1815	1801
2000	379.4	399.3	430.5	371.2	375.3	234.9	81.6	443.7	374.6	397.3	320.6	2297	2286	2196	1874	1582	1808	1783
2001	378.9	398.7	430.7	370.7	374.9			443.7			320.1	2300	2290	2186	1878	1578	1805	1776
2002	378.6	398.4	430.5	370.3	374.5			443.8			320.6	2282	2279	2182	1867	1571	1801	1776
2003	378.0	398.0	430.5	369.9	374.1			443.7			321.1	2275	2269	2175	1860	1571	1805	1762
2004	377.6	397.5	430.5	369.4	373.7			443.6	372.7	395.4	320.9	2272	2265	2172	1856	1568	1794	1762
2005	377.1	397.1	430.3	368.9	373.3			443.7			321.1	2268	2254	2165	1856	1578	1801	1759
2006	376.8	396.6	430.5	368.6	372.9			443.6			320.9	2261	2254	2157	1856	1578	1805	1766
2007	376.3	396.2	430.3	368.1	372.6			443.7			320.8	2254	2247	2161	1860	1578	1805	1766
2008	375.9	395.9	430.6	367.6	372.1	234.9	82.7	443.7	370.8	393.6	320.7	2250	2244	2161	1863	1596	1801	1773
2009	375.3	395.5	430.4	367.2	371.9			443.6			320.3	2239	2237	2165	1867	1593	1801	1776
2010	375.1	395.1	430.4	366.8	371.4			443.7			320.2	2232	2226	2157	1867	1603	1801	1776
2011	374.5	394.7	430.3	366.3	371.0			443.6			320.1	2229	2230	2157	1874	1614	1805	1787
2012	374.1	394.2	430.4	366.0	370.7			443.7	369.1	391.9	319.7	2218	2222	2157	1878	1621	1801	1787
2013	373.6	393.7	430.3	365.4	370.2			443.7			319.6	2214	2215	2154	1874	1628	1801	1783
2014	373.2	393.4	430.4	365.0	369.9			443.7			319.6	2200	2208	2147	1874	1628	1801	1794
2015	372.7	392.9	430.3	364.5	369.5			443.6			319.4	2200	2201	2143	1874	1628	1801	1787
2016	372.3	392.6	430.3	364.1	369.2	234.9	83.7	443.7	367.2	390.2	319.0	2197	2194	2143	1871	1628	1798	1787
2017	371.8	392.2	430.3	363.6	368.8			443.6			318.9	2197	2187	2133	1874	1614	1794	1780
2018	371.5	391.8	430.3	363.2	368.6			443.6			318.9	2175	2187	2129	1853	1618	1780	1773
2019	371.0	391.4	430.2	362.8	368.1			443.6			318.8	2179	2176	2119	1846	1607	1769	1766
2020	370.5	391.0	430.2	362.3	367.7			443.6	365.4	388.4	318.6	2161	2169	2112	1835	1586	1762	1755
2021	370.2	390.6	430.2	361.9	367.4			443.6			318.7	2165	2166	2097	1828	1575	1751	1748

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2022	369.7	390.1	430.1	361.4	367.0			443.7			318.4	2161	2155	2087	1814	1564	1730	1734
2023	369.4	389.8	430.2	361.1	366.5			443.6			318.2	2161	2159	2080	1803	1546	1730	1720
2024	369.0	389.4	430.0	360.6	366.3	234.8	84.8	443.6	363.8	386.8	318.1	2147	2148	2073	1789	1536	1716	1713
2025	368.6	388.8	430.1	360.2	365.9			443.5			317.7	2143	2148	2062	1775	1522	1712	1695
2026	368.2	388.6	430.2	359.7	365.5			443.5			317.6	2132	2134	2051	1764	1507	1694	1684
2027	367.7	388.0	430.1	359.4	365.1			443.6			317.2	2132	2127	2041	1761	1493	1687	1666
2028	367.3	387.7	430.0	358.9	364.7			443.6	361.9	385.1	317.4	2125	2120	2034	1746	1486	1680	1666
2029	366.9	387.4	430.1	358.5	364.5			443.6			317.1	2125	2116	2023	1736	1475	1676	1652
2030	366.4	387.0	430.0	358.0	364.1			443.6			316.9	2114	2105	2016	1729	1468	1673	1645
2031	365.9	386.6	430.0	357.5	363.6			443.5			316.7	2111	2102	2009	1725	1465	1669	1638
2032	365.6	386.2	430.0	357.3	363.3	234.6	85.9	443.5	360.3	383.5	316.5	2097	2095	2009	1715	1461	1666	1635
2033	365.2	385.8	430.1	356.8	363.0			443.5			316.1	2093	2091	1998	1711	1458	1662	1635
2034	364.7	385.3	430.1	356.5	362.5			443.6			316.0	2089	2088	1998	1711	1458	1666	1631
2035	364.5	385.1	430.0	356.0	362.2			443.5			315.9	2089	2081	1998	1715	1461	1666	1627
2036	364.0	384.7	429.8	355.6	361.9			443.5	358.6	381.8	315.9	2075	2077	1998	1718	1468	1666	1635
2037	363.6	384.2	429.9	355.2	361.5			443.4			315.6	2075	2070	1995	1722	1475	1669	1642
2038	363.2	383.9	429.8	354.7	361.3			443.5			315.2	2068	2066	1995	1718	1482	1673	1642
2039	362.8	383.5	429.8	354.2	360.9			443.4			315.0	2068	2063	1995	1732	1493	1669	1645
2040	362.4	383.1	429.8	354.0	360.5	234.4	86.9	443.4	356.9	380.1	314.9	2057	2063	1991	1729	1504	1669	1649
2041	362.0	382.7	429.6	353.4	360.2			443.5			314.6	2050	2052	1988	1732	1504	1673	1656
2042	361.5	382.3	429.6	353.2	359.7			443.4			314.3	2039	2049	1988	1739	1514	1680	1649
2043	361.1	382.0	429.8	352.8	359.5			443.4			314.0	2039	2045	1984	1739	1518	1673	1649
2044	360.7	381.5	429.6	352.3	359.0			443.4	355.1	378.5	313.8	2036	2042	1984	1736	1522	1673	1652
2045	360.3	381.2	429.6	352.0	358.7			443.5			313.8	2032	2038	1984	1732	1518	1666	1659
2046	359.8	380.7	429.6	351.5	358.4			443.4			313.5	2029	2027	1980	1725	1511	1666	1652
2047	359.5	380.4	429.5	351.2	357.9			443.4			313.2	2018	2027	1970	1725	1507	1659	1642
2048	359.1	380.0	429.5	350.7	357.6	234.3	87.9	443.4	353.6	376.9	313.2	2018	2017	1966	1718	1500	1648	1635
2049	358.7	379.6	429.4	350.2	357.3			443.4			313.2	2011	2006	1959	1711	1490	1641	1635
2050	358.4	379.2	429.4	349.9	356.8			443.4			313.0	2004	2002	1948	1707	1479	1634	1631
2051	358.0	378.8	429.4	349.5	356.5			443.2			313.0	1996	2002	1945	1693	1475	1616	1617
2052	357.7	378.5	429.4	349.1	356.3			443.4	352.0	375.2	312.7	1993	1995	1934	1679	1458	1612	1617
2053	357.1	378.1	429.3	348.6	355.8			443.4			312.4	1989	1992	1924	1672	1443	1605	1596
2054	356.9	377.7	429.3	348.4	355.5			443.2			312.2	1989	1988	1920	1661	1433	1594	1588
2055	356.5	377.5	429.4	348.0	355.3			443.4			312.2	1982	1988	1909	1643	1422	1584	1571
2056	356.1	377.1	429.3	347.5	355.0	234.2	88.8	443.4	350.3	373.6	312.2	1975	1970	1902	1640	1408	1580	1574
2057	355.6	376.7	429.3	347.1	354.5			443.3			311.7	1971	1967	1892	1626	1397	1570	1557
2058	355.2	376.3	429.4	346.8	354.2			443.3			311.5	1971	1963	1888	1622	1394	1562	1549
2059	355.0	376.0	429.4	346.4	353.8			443.3			311.4	1964	1960	1878	1608	1379	1555	1546
2060	354.5	375.5	429.2	346.0	353.5			443.3	348.8	372.2	311.3	1961	1953	1870	1604	1372	1555	1532
2061	354.1	375.2	429.3	345.6	353.3			443.4			311.2	1957	1960	1863	1601	1372	1548	1528
2062	353.7	374.9	429.2	345.2	352.9			443.3			311.4	1953	1942	1863	1597	1365	1548	1528
2063	353.3	374.4	429.2	344.7	352.6			443.1			311.0	1950	1942	1856	1597	1365	1548	1518
2064	352.9	374.0	429.1	344.5	352.1	234.1	89.8	443.1	347.1	370.6	310.8	1946	1938	1853	1594	1372	1548	1521
2065	352.5	373.7	429.1	344.1	351.8			443.2			310.7	1936	1935	1853	1590	1372	1548	1518
2066	352.2	373.4	429.0	343.8	351.5			443.2			310.8	1932	1928	1853	1597	1372	1552	1518
2067	351.8	373.1	428.8	343.4	351.2			443.4			310.6	1929	1921	1849	1601	1383	1555	1521
2068	351.4	372.7	429.0	342.9	350.9			443.2	345.7	369.0	310.6	1918	1917	1853	1597	1386	1555	1521
2069	351.1	372.3	428.8	342.7	350.5			443.1			310.8	1914	1914	1853	1597	1394	1559	1525
2070	350.8	372.0	429.0	342.3	350.2			443.1			310.5	1911	1907	1849	1608	1401	1552	1525
2071	350.5	371.6	429.0	342.0	349.8			443.1			310.5	1907	1907	1846	1604	1404	1559	1532
2072	350.0	371.3	428.7	341.4	349.6	233.9	90.7	443.1	344.2	367.6	310.5	1900	1900	1846	1612	1401	1555	1535
2073	349.6	370.9	428.8	341.1	349.2			443.2			310.5	1893	1889	1846	1612	1401	1559	1535
2074	349.3	370.5	428.8	340.8	348.8			443.1			310.1	1896	1892	1842	1619	1411	1559	1535
2075	348.9	370.2	428.7	340.4	348.5			443.1			310.1	1882	1889	1839	1615	1415	1548	1535
2076	348.6	369.8	428.7	340.1	348.2			443.1	342.6	366.2	310.1	1879	1885	1835	1608	1408	1555	1535
2077	348.1	369.4	428.7	339.8	347.9			443.1			310.1	1871	1878	1839	1604	1408	1552	1528
2078	347.7	369.0	428.7	339.3	347.5			443.1			310.0	1878	1875	1828	1604	1404	1548	1532
2079	347.3	368.7	428.7	338.9	347.1			443.0			309.9	1864	1871	1821	1597	1401	1541	1528
2080	347.1	368.4	428.7	338.6	346.8	233.6	91.6	443.1	341.1	364.5	310.1	1860	1871	1817	1590	1394	1537	1510
2081	346.7	368.1	428.7	338.2	346.6			443.0			309.6	1853	1864	1810	1579	1390	1523	1514
2082	346.3	367.8	428.6	337.8	346.3			443.1			309.9	1850	1860	1803	1576	1376	1516	1507
2083	346.0	367.4	428.5	337.5	345.9			443.1			309.9	1850	1850	1796	1565	1369	1502	1496
2084	345.5	367.1	428.7	337.2	345.5			443.1	339.6	363.1	309.8	1842	1846	1789	1558	1361	1491	1493
2085	345.2	366.7	428.7	336.8	345.3			443.1			309.8	1839	1839	1778	1548	1347	1488	1486
2086	344.9	366.4	428.5	336.4	344.9			443.0			310.0	1835	1843	1778	1544	1340	1477	1478
2087	344.5	365.9	428.4	336.1	344.5			443.1			310.0	1835	1828	1764	1526	1322	1473	1468
2088	344.2	365.6	428.4	335.6	344.3	233.5	92.6	443.0	338.2	361.7	309.7	1821	1832	1785	1530	1280	1470	1471
2089	343.8	365.3	428.4	335.3	344.1			443.0			309.7	1821	1825	1775	1533	1283	1470	1464
2090	343.5	365.0	428.4	335.0	343.7			442.8			309.6	1821	1825	1771	1526	1283	1463	1457
2091	343.1	364.5	428.5	334.7	343.5			442.9			309.7	1818	1821	1761	1526	1276	1470	1454
2092	342.8	364.3	428.4	334.2	343.1			443.0	336.8	360.2	309.7	1818	1818	1740	1494	1291	1452	1429
2093	342.5	363.9	428.2	333.9	342.8			443.1			309.7	1814	1807	1736	1498	1294	1456	1432
2094	342.0	363.4	428.2	333.6	342.5			443.0			309.9	1807	1800	1729	1498	1298	1452	1432
2095	341.7	363.1	428.2	333.3	342.1			443.0			309.7	1789	1796	1754	1519	1276	1463	1450
2096	341.3	362.9	428.2	333.0	341.8	233.1	93.5	443.0	335.2	358.7	309.6	1796	1800	1729	1505	1298	1459	1425
2097	341.0	362.5	428.2	332.6	341.4			442.9			309.9	1789	1789	1725	1498	1305	1459	1432
2098	340.6	362.1	428.2	332.3	341.2			442.9			309.9	1789	1786	1722	1505	1308	1463	1429
2099	340.2	361.9	428.2	332.0	340.8			442.9			310.0	1782	1786	1729	1509	1308	1463	1429
2100	339.9	361.5	428.1	331.6	340.5			443.0	333.8	357.4	310.3	1778	1779	1722	1501	1319	1463	1429
2101	339.6	361.1	428.1	331.4	340.3			442.8			310.9	1771	1772	1722	1509	1319	1470	1429
2102	339.2	360.8	428.2	330.9	339.9			442.9			310.9	1771	1764	1722	1505	1319	1463	1429

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2103	338.8	360.5	428.2	330.6	339.5			442.9			311.4	1771	1761	1722	1505	1319	1466	1429
2104	338.6	360.0	428.1	330.3	339.3	232.8	94.3	442.9	332.4	355.9	311.5	1757	1764	1718	1501	1322	1459	1429
2105	338.2	359.8	428.1	330.0	338.9			442.8			311.8	1764	1757	1718	1505	1322	1459	1429
2106	337.9	359.5	428.1	329.6	338.7			442.8			312.1	1753	1757	1711	1505	1322	1452	1425
2107	337.6	359.1	428.0	329.2	338.4			442.8			312.6	1750	1754	1711	1494	1315	1459	1425
2108	337.3	358.8	428.0	329.0	338.1			442.8	331.1	354.6	312.9	1742	1750	1704	1494	1315	1438	1429
2109	337.0	358.5	428.1	328.6	337.7			442.6			313.2	1735	1743	1700	1491	1312	1434	1422
2110	336.6	358.1	428.0	328.2	337.4			442.8			313.7	1735	1740	1693	1480	1308	1423	1415
2111	336.2	357.8	427.9	328.0	337.1			442.8			313.9	1732	1736	1690	1480	1294	1423	1411
2112	335.9	357.5	427.9	327.6	336.9	232.4	95.1	442.9	329.6	353.1	314.4	1728	1726	1683	1470	1294	1413	1404
2113	335.6	357.0	428.0	327.2	336.6			442.7			314.6	1721	1726	1676	1466	1287	1409	1393
2114	335.1	356.8	427.9	326.9	336.2			442.7			314.7	1714	1718	1669	1455	1273	1406	1393
2115	335.0	356.5	427.9	326.5	335.9			442.6			315.5	1718	1715	1662	1452	1269	1391	1386
2116	334.6	356.2	427.9	326.3	335.6			442.6	328.4	351.7	316.0	1718	1715	1655	1438	1262	1381	1383
2117	334.2	355.9	427.9	325.9	335.3			442.6			316.5	1714	1711	1651	1427	1248	1381	1372
2118	333.9	355.5	427.9	325.7	335.0			442.7			316.9	1710	1711	1644	1424	1241	1370	1369
2119	333.5	355.1	427.9	325.3	334.7			442.6			317.5	1710	1701	1637	1416	1230	1363	1362
2120	333.2	354.9	427.8	325.0	334.4	232.1	96.0	442.7	327.0	350.4	317.3	1707	1701	1630	1413	1227	1363	1358
2121	332.9	354.7	428.0	324.6	334.2			442.9			318.2	1703	1694	1626	1409	1219	1356	1354
2122	332.6	354.2	427.8	324.4	334.0			442.6			318.0	1682	1683	1654	1413	1191	1359	1369
2123	332.3	354.0	427.9	324.1	333.6			442.6			318.3	1685	1690	1626	1402	1219	1352	1337
2124	331.9	353.6	427.8	323.7	333.3			442.6	325.6	349.1	318.2	1682	1686	1619	1395	1216	1352	1344
2125	331.6	353.2	427.8	323.4	333.0			442.6			318.4	1685	1679	1616	1399	1209	1352	1337
2126	331.2	353.0	427.5	323.0	332.8			442.6			318.9	1678	1672	1616	1395	1216	1352	1333
2127	331.0	352.6	427.6	322.7	332.5			442.6			318.9	1671	1669	1612	1392	1216	1349	1333
2128	330.5	352.3	427.6	322.4	332.2	231.9	96.8	442.6	324.3	347.8	319.2	1667	1669	1612	1392	1219	1356	1333
2129	330.3	352.0	427.6	322.2	331.9			442.6			319.9	1664	1665	1612	1395	1219	1356	1330
2130	330.0	351.7	427.6	321.9	331.5			442.5			319.9	1657	1665	1608	1402	1223	1359	1337
2131	329.7	351.2	427.8	321.5	331.3			442.5			320.8	1657	1665	1605	1409	1223	1363	1330
2132	329.3	351.1	427.5	321.2	330.9			442.5	323.0	346.5	320.9	1657	1654	1605	1406	1230	1363	1333
2133	329.0	350.8	427.5	320.8	330.8			442.6			321.7	1653	1654	1608	1402	1234	1356	1333
2134	328.8	350.4	427.5	320.6	330.4			442.6			321.2	1650	1640	1605	1399	1234	1363	1333
2135	328.4	350.2	427.5	320.4	330.1			442.6			321.2	1642	1640	1591	1406	1241	1363	1333
2136	328.1	349.8	427.6	320.0	330.0	231.5	97.6	442.5	321.6	345.0	320.6	1635	1644	1598	1402	1237	1370	1330
2137	327.7	349.5	427.5	319.7	329.5			442.5			320.5	1639	1644	1591	1399	1230	1363	1326
2138	327.4	349.2	427.5	319.4	329.2			442.6			321.0	1632	1637	1598	1406	1234	1363	1333
2139	327.0	348.8	427.4	319.1	328.9			442.5			321.6	1628	1630	1594	1395	1234	1356	1333
2140	326.8	348.6	427.5	318.7	328.6			442.4	320.5	343.8	323.4	1628	1630	1591	1398	1234	1356	1330
2141	326.4	348.2	427.4	318.5	328.4			442.5			324.0	1621	1630	1584	1391	1226	1352	1326
2142	326.1	347.9	427.4	318.1	328.1			442.5			323.7	1617	1622	1587	1391	1226	1345	1322
2143	325.9	347.6	427.4	317.9	327.8			442.5			324.7	1610	1622	1576	1384	1226	1338	1319
2144	325.6	347.3	427.4	317.5	327.6	231.2	98.3	442.4	319.1	342.5	324.8	1614	1615	1573	1381	1219	1331	1312
2145	325.2	346.9	427.3	317.3	327.3			442.5			325.6	1610	1612	1569	1377	1216	1327	1312
2146	324.9	346.7	427.3	316.9	326.9			442.4			325.3	1603	1605	1566	1374	1209	1324	1305
2147	324.5	346.3	427.2	316.7	326.6			442.5			325.8	1599	1601	1562	1363	1201	1320	1301
2148	324.2	346.0	427.3	316.3	326.4			442.4	318.0	341.3	326.7	1596	1597	1555	1352	1187	1309	1294
2149	323.9	345.8	427.3	316.1	326.0			442.4			328.3	1596	1598	1544	1345	1187	1299	1294
2150	323.7	345.5	427.2	315.7	325.8			442.5			330.7	1596	1594	1545	1345	1177	1292	1291
2151	323.4	345.3	427.0	315.4	325.5			442.3			333.1	1592	1594	1537	1335	1170	1284	1283
2152	323.0	344.9	427.0	315.2	325.2	230.8	99.1	442.4	316.6	340.0	334.8	1592	1583	1530	1313	1159	1288	1269
2153	322.7	344.6	427.0	314.8	325.0			442.4			336.6	1585	1580	1530	1324	1155	1277	1276
2154	322.5	344.3	427.0	314.5	324.7			442.2			336.5	1578	1576	1520	1317	1155	1270	1266
2155	322.1	343.9	426.9	314.2	324.4			442.5			337.3	1578	1576	1516	1313	1145	1263	1266
2156	321.9	343.6	426.9	313.9	324.0			442.4	315.4	338.7	338.0	1578	1566	1513	1310	1141	1260	1262
2157	321.6	343.3	427.0	313.7	323.9			442.2			339.0	1571	1569	1513	1306	1138	1263	1259
2158	321.2	343.0	426.9	313.3	323.5			442.4			338.5	1571	1566	1509	1303	1138	1263	1252
2159	321.0	342.7	426.8	313.0	323.4			442.2			337.5	1564	1555	1506	1296	1141	1256	1248
2160	320.7	342.3	427.0	312.8	323.1	230.5	99.7	442.2	314.1	337.5	336.7	1571	1559	1499	1296	1134	1267	1245
2161	320.4	342.0	426.9	312.5	322.8			442.2			336.6	1557	1555	1502	1296	1134	1256	1241
2162	320.1	341.8	426.9	312.2	322.5			442.2			337.1	1553	1552	1499	1299	1141	1260	1245
2163	319.7	341.6	426.9	311.9	322.2			442.1			339.4	1550	1555	1495	1299	1138	1260	1237
2164	319.4	341.2	426.8	311.6	322.0			442.2	313.0	336.3	341.7	1546	1545	1492	1299	1141	1263	1237
2165	319.2	340.9	426.9	311.3	321.7			442.1			345.8	1539	1548	1495	1299	1145	1260	1237
2166	318.9	340.5	426.8	310.9	321.3			442.4			348.6	1542	1541	1488	1296	1148	1263	1241
2167	318.6	340.3	426.7	310.6	321.2			442.2			353.1	1539	1534	1492	1303	1152	1267	1237
2168	318.3	340.1	426.8	310.4	320.9	230.2	100.4	442.1	311.7	335.0	354.5	1535	1541	1492	1303	1152	1267	1237
2169	317.9	339.7	426.7	310.1	320.6			442.2			356.9	1532	1537	1488	1306	1155	1270	1237
2170	317.6	339.4	426.7	309.8	320.5			442.1			359.0	1528	1527	1484	1306	1155	1270	1241
2171	317.3	339.3	426.7	309.5	320.1			442.1			360.0	1528	1523	1488	1303	1155	1270	1234
2172	317.0	339.0	426.5	309.3	319.9			442.1	310.5	333.8	360.8	1524	1523	1481	1299	1159	1270	1237
2173	316.7	338.6	426.7	309.0	319.6			442.1			361.6	1521	1523	1488	1303	1159	1274	1237
2174	316.4	338.3	426.7	308.7	319.2			442.1			364.4	1517	1516	1481	1303	1152	1263	1237
2175	316.2	338.0	426.4	308.3	319.1			442.1			362.8	1514	1512	1484	1299	1155	1263	1237
2176	315.8	337.7	426.5	308.2	318.7	229.7	101.2	442.1	309.6	332.8	368.6	1506	1516	1481	1296	1152	1267	1230
2177	315.6	337.5	426.5	307.9	318.5			442.1			373.3	1503	1509	1470	1296	1152	1256	1237
2178	315.4	337.2	426.4	307.6	318.4			442.1			378.1	1499	1505	1467	1292	1152	1259	1227
2179	314.9	336.8	426.4	307.3	318.0			442.1			376.4	1496	1505	1460	1292	1148	1249	1230
2180	314.8	336.6	426.3	307.0	317.9			442.1	308.2	331.5	374.7	1496	1498	1463	1285	1145	1242	1227
2181	314.4	336.2	426.4	306.8	317.4			442.0			375.0	1492	1498	1460	1285	1138	1242	1223
2182	314.1	335.9	426.3	306.4	317.2			442.1			375.7	1485	1498	1456	1278	1134	1235	1213
2183	313.9	335.7	426.2	306.1	317.1			442.0			380.0	1488	1488	1452	1271	1130	1231	1213

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2184	313.6	335.5	426.4	305.9	316.7	229.4	101.7	442.0	307.1	330.4	382.2	1488	1491	1449	1264	1116	1220	1209
2185	313.2	335.2	426.2	305.6	316.4			442.0			388.1	1485	1484	1442	1257	1106	1217	1209
2186	313.1	334.9	426.2	305.3	316.2			442.0			391.9	1478	1488	1435	1246	1106	1217	1195
2187	312.7	334.5	426.2	305.1	315.9			442.0			396.8	1481	1477	1431	1253	1102	1206	1202
2188	312.4	334.2	426.3	304.8	315.6			442.0	305.8	329.2	401.6	1478	1477	1428	1246	1098	1202	1191
2189	312.2	334.0	426.1	304.5	315.5			442.0			403.2	1478	1470	1421	1239	1095	1199	1188
2190	311.9	333.7	426.2	304.3	315.1			441.9			404.5	1471	1473	1417	1232	1088	1195	1188
2191	311.5	333.5	426.1	303.9	314.9			442.0			409.9	1467	1466	1413	1232	1081	1185	1181
2192	311.5	333.3	426.1	303.7	314.7	229.0	102.4	442.0	304.7	327.8	411.4	1467	1459	1406	1225	1077	1178	1177
2193	311.1	333.0	426.1	303.5	314.3			441.9			414.0	1463	1456	1410	1225	1077	1181	1174
2194	310.8	332.6	426.1	303.1	314.2			441.9			418.8	1460	1456	1406	1214	1063	1178	1174
2195	310.6	332.4	426.1	302.9	313.9			441.9			424.7	1460	1456	1399	1214	1070	1185	1166
2196	310.2	332.1	426.1	302.6	313.6			442.0	303.6	326.9	429.8	1453	1456	1396	1207	1066	1178	1170
2197	310.0	331.8	426.0	302.3	313.3			441.9			432.6	1456	1448	1396	1207	1063	1178	1166
2198	309.7	331.5	426.1	302.1	313.1			441.8			426.2	1446	1452	1396	1210	1066	1174	1166
2199	309.4	331.2	426.0	301.8	312.8			441.9			426.5	1449	1445	1392	1207	1066	1174	1163
2200	309.3	330.9	426.1	301.6	312.5	228.6	103.0	441.8	302.5	325.7	423.8	1446	1448	1392	1214	1066	1177	1166
2201	308.9	330.5	426.0	301.3	312.3			441.9			422.5	1445	1438	1392	1210	1070	1177	1159
2202	308.6	330.4	425.8	301.0	312.1			441.9			425.4	1442	1434	1392	1214	1070	1177	1159
2203	308.3	330.1	426.0	300.9	311.9			441.8			422.0	1428	1438	1389	1221	1070	1181	1159
2204	308.0	329.9	425.8	300.5	311.6			441.8	301.3	324.6	420.0	1424	1438	1389	1214	1081	1181	1156
2205	307.7	329.5	425.8	300.3	311.4			441.9			422.5	1428	1431	1389	1210	1081	1181	1159
2206	307.6	329.3	425.8	300.0	311.1			441.8			422.1	1424	1427	1385	1217	1077	1188	1156
2207	307.2	329.0	425.8	299.7	310.8			441.9			421.2	1424	1427	1389	1217	1074	1181	1159
2208	307.0	328.8	425.8	299.5	310.5	228.1	103.6	441.6	300.3	323.4	427.1	1417	1420	1385	1221	1084	1192	1159
2209	306.6	328.4	425.8	299.2	310.3			441.7			426.8	1417	1424	1392	1221	1077	1185	1163
2210	306.4	328.3	425.8	298.9	310.0			441.7			428.6	1417	1417	1389	1221	1084	1188	1159
2211	306.0	327.9	425.7	298.8	309.8			441.9			434.0	1413	1417	1385	1218	1088	1188	1159
2212	305.9	327.6	425.7	298.4	309.7			441.7	299.1	322.3	437.2	1406	1409	1385	1214	1091	1181	1156
2213	305.5	327.5	425.7	298.1	309.4			441.7			438.3	1413	1409	1382	1217	1081	1177	1156
2214	305.3	327.2	425.7	298.0	309.1			441.6			442.1	1403	1406	1374	1217	1084	1181	1149
2215	305.0	326.8	425.6	297.8	308.8			441.7			445.1	1406	1402	1378	1210	1081	1170	1152
2216	304.8	326.6	425.7	297.4	308.6	227.6	104.1	441.6	298.1	321.2	447.3	1392	1399	1374	1210	1077	1177	1145
2217	304.5	326.3	425.6	297.1	308.4			441.7			449.3	1392	1399	1367	1200	1073	1167	1145
2218	304.2	326.0	425.6	297.0	308.1			441.6			449.4	1395	1399	1364	1200	1073	1167	1145
2219	303.9	325.9	425.6	296.6	308.0			441.6			451.7	1392	1391	1364	1196	1070	1160	1138
2220	303.7	325.5	425.6	296.2	307.7			441.7	297.0	320.0	454.6	1388	1391	1357	1192	1063	1160	1131
2221	303.4	325.2	425.6	296.1	307.3			441.7			454.3	1388	1391	1357	1189	1052	1149	1142
2222	303.1	325.0	425.6	295.8	307.2			441.6			453.9	1381	1384	1350	1178	1056	1149	1131
2223	302.9	324.7	425.5	295.6	306.9			441.6			450.9	1381	1384	1346	1175	1049	1142	1131
2224	302.8	324.5	425.5	295.3	306.9	227.2	104.9	441.6	296.0	319.0	448.6	1385	1381	1342	1171	1041	1145	1131
2225	302.3	324.1	425.5	295.0	306.5			441.6			449.7	1377	1377	1335	1175	1038	1124	1124
2226	302.2	323.9	425.5	294.8	306.4			441.6			450.5	1377	1381	1332	1161	1038	1128	1113
2227	301.8	323.6	425.5	294.5	306.1			441.6			451.6	1374	1370	1328	1161	1027	1124	1113
2228	301.5	323.3	425.5	294.3	305.8			441.7	294.9	317.9	451.3	1370	1374	1328	1157	1024	1120	1106
2229	301.4	323.1	425.5	294.1	305.6			441.5			452.1	1367	1370	1321	1153	1017	1113	1110
2230	301.0	322.8	425.4	293.8	305.4			441.5			454.1	1374	1367	1325	1146	1013	1110	1106
2231	300.7	322.5	425.4	293.6	305.1			441.5			452.8	1367	1370	1314	1146	1006	1110	1103
2232	300.6	322.4	425.4	293.3	304.9	226.8	105.5	441.5	293.8	316.8	451.1	1360	1360	1318	1136	1006	1110	1099
2233	300.2	322.0	425.4	293.2	304.6			441.5			450.5	1360	1363	1311	1136	1002	1099	1103
2234	300.1	321.9	425.5	292.9	304.4			441.5			449.4	1360	1353	1311	1132	999	1106	1096
2235	299.8	321.4	425.4	292.5	304.1			441.5			447.1	1360	1353	1307	1136	992	1099	1096
2236	299.5	321.2	425.4	292.3	303.8			441.5	292.7	315.7	447.8	1356	1349	1307	1136	999	1106	1092
2237	299.3	321.1	425.3	292.0	303.7			441.5			444.7	1353	1353	1304	1139	1006	1099	1088
2238	299.0	320.8	425.4	291.8	303.4			441.5			444.7	1356	1349	1304	1136	999	1106	1088
2239	298.8	320.6	425.3	291.6	303.2			441.4			438.5	1349	1349	1311	1136	1006	1106	1088
2240	298.5	320.4	425.3	291.3	303.0	226.4	106.0	441.4	291.7	314.8	441.9	1345	1349	1304	1132	1002	1106	1081
2241	298.1	320.0	425.4	291.0	302.7			441.5			443.4	1342	1342	1300	1136	1006	1110	1088
2242	298.0	319.9	425.4	290.9	302.5			441.4			445.6	1342	1342	1300	1139	1006	1106	1085
2243	297.8	319.6	425.3	290.6	302.3			441.4			444.4	1338	1338	1307	1132	1013	1110	1088
2244	297.5	319.2	425.3	290.3	302.0			441.4	290.8	313.6	446.2	1338	1338	1300	1143	1017	1117	1085
2245	297.1	318.9	425.4	290.1	301.8			441.4			449.1	1334	1335	1300	1143	1013	1113	1092
2246	297.0	318.8	425.4	289.9	301.5			441.4			448.2	1334	1335	1304	1143	1017	1113	1085
2247	296.6	318.4	425.3	289.6	301.3			441.4			452.8	1334	1331	1300	1143	1024	1113	1081
2248	296.4	318.2	425.4	289.4	301.2	225.9	106.6	441.4	289.7	312.7	453.5	1327	1331	1296	1146	1020	1113	1092
2249	296.2	318.0	425.3	289.1	300.9			441.4			454.3	1324	1324	1296	1143	1020	1113	1088
2250	295.9	317.7	425.3	288.9	300.6			441.4			454.3	1327	1331	1293	1136	1017	1117	1081
2251	295.7	317.5	425.3	288.6	300.4			441.3			453.3	1324	1328	1293	1139	1027	1117	1078
2252	295.4	317.1	425.3	288.3	300.1			441.4	288.8	311.6	453.5	1320	1324	1289	1136	1020	1113	1085
2253	295.2	317.0	425.2	288.3	299.9			441.3			454.4	1317	1321	1289	1139	1020	1113	1081
2254	295.0	316.7	425.2	287.8	299.7			441.3			454.2	1309	1321	1289	1136	1017	1110	1078
2255	294.6	316.4	425.2	287.7	299.5			441.6			454.7	1313	1317	1293	1132	1017	1113	1081
2256	294.4	316.3	425.2	287.4	299.3	225.4	107.1	441.3	287.6	310.6	454.0	1317	1321	1286	1136	1013	1103	1081
2257	294.1	316.0	425.2	287.2	299.1			441.3			454.1	1306	1313	1286	1132	1013	1103	1078
2258	293.9	315.6	425.2	287.0	298.8			441.3			453.6	1306	1313	1275	1129	1009	1092	1074
2259	293.8	315.4	425.1	286.7	298.6			441.2			453.3	1306	1306	1275	1122	1009	1095	1071
2260	293.5	315.2	425.1	286.5	298.3			441.3	286.6	309.6	451.3	1302	1306	1272	1118	1002	1088	1067
2261	293.1	314.9	424.9	286.3	298.1			441.3			449.8	1299	1303	1275	1114	999	1085	1067
2262	292.9	314.7	425.1	286.1	297.8			441.3			447.9	1299	1303	1265	1114	995	1085	1064
2263	292.7	314.4	424.9	285.7	297.7			441.3			451.2	1299	1299	1261	1107	988	1081	1060
2264	292.4	314.1	425.0	285.6	297.4	225.0	107.6	441.3	285.8	308.5	449.3	1299	1292	1261	1107	985	1070	1056

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2265	292.2	314.0	425.1	285.3	297.2			441.2			444.5	1299	1296	1261	1100	977	1070	1053
2266	292.0	313.8	425.0	285.0	297.0			441.2			437.4	1299	1288	1261	1093	977	1063	1053
2267	291.7	313.6	425.0	284.9	296.7			441.3			432.7	1291	1288	1250	1089	974	1063	1053
2268	291.5	313.2	425.0	284.8	296.5			441.3	284.7	307.6	431.1	1291	1288	1250	1089	970	1056	1049
2269	291.3	313.1	425.0	284.4	296.2			441.2			432.9	1291	1285	1250	1086	967	1053	1049
2270	291.0	312.7	425.0	284.2	296.1			441.3			431.9	1288	1281	1243	1086	960	1049	1049
2271	290.8	312.6	425.0	283.8	295.8			441.2			429.1	1288	1278	1240	1079	960	1046	1042
2272	290.5	312.3	425.0	283.7	295.6	224.4	108.0	441.2	283.8	306.6	429.1	1284	1274	1240	1075	956	1046	1035
2273	290.2	312.0	425.1	283.5	295.4			441.3			427.6	1281	1274	1233	1072	953	1046	1039
2274	290.1	311.8	425.0	283.3	295.2			441.2			429.1	1277	1271	1229	1075	949	1038	1035
2275	289.9	311.6	424.8	282.9	295.0			441.2			434.0	1277	1271	1236	1065	953	1042	1025
2276	289.6	311.3	424.8	282.7	294.7			441.2	282.9	305.5	435.8	1270	1271	1226	1068	949	1038	1028
2277	289.3	311.0	424.8	282.5	294.6			441.2			439.4	1274	1271	1222	1075	960	1053	1039
2278	289.1	310.8	425.0	282.2	294.4			441.1			434.4	1274	1260	1215	1075	953	1053	1035
2279	288.9	310.6	424.7	282.1	294.0			441.1			434.8	1267	1264	1226	1068	949	1042	1028
2280	288.7	310.3	425.0	281.9	293.8	224.1	108.4	441.2	281.9	304.5	434.9	1263	1264	1211	1082	953	1056	1049
2281	288.5	310.1	424.8	281.5	293.6			441.2			427.9	1263	1260	1218	1082	967	1063	1039
2282	288.2	309.9	424.7	281.4	293.5			441.1			429.1	1263	1257	1222	1075	963	1049	1032
2283	287.9	309.6	424.7	281.2	293.3			441.0			432.2	1263	1257	1226	1079	970	1053	1028
2284	287.7	309.4	424.8	280.9	293.0			441.2	280.9	303.6	432.0	1256	1260	1226	1089	970	1070	1046
2285	287.5	309.2	424.6	280.6	292.8			441.1			424.1	1256	1260	1229	1086	974	1056	1039
2286	287.3	308.8	424.7	280.5	292.6			441.1			424.5	1252	1256	1229	1086	977	1060	1032
2287	287.1	308.7	424.7	280.2	292.4			441.1			425.6	1241	1256	1215	1100	985	1070	1053
2288	286.8	308.4	424.7	280.0	292.2	223.6	109.0	441.1	280.0	302.5	433.0	1248	1249	1229	1089	985	1063	1046
2289	286.6	308.2	424.6	279.8	291.8			441.1			436.3	1248	1253	1236	1096	985	1063	1039
2290	286.4	307.9	424.6	279.6	291.7			441.1			438.2	1241	1246	1236	1096	984	1063	1042
2291	286.1	307.7	424.6	279.4	291.5			441.1			443.9	1238	1246	1229	1100	988	1060	1039
2292	285.8	307.5	424.6	279.1	291.4			441.0	279.0	301.6	446.0	1234	1242	1232	1096	988	1063	1042
2293	285.6	307.2	424.6	278.9	291.1			441.0			442.6	1238	1242	1222	1096	988	1053	1039
2294	285.5	307.0	424.7	278.7	290.9			441.0			444.1	1234	1235	1222	1107	988	1074	1049
2295	285.2	306.7	424.5	278.4	290.6			441.0			447.0	1234	1235	1218	1089	985	1063	1032
2296	285.0	306.5	424.6	278.3	290.5	223.2	109.4	441.0	278.1	300.7	446.8	1231	1232	1218	1089	988	1056	1032
2297	284.6	306.2	424.6	278.1	290.2			440.9			448.8	1227	1232	1218	1082	981	1053	1032
2298	284.5	305.9	424.7	277.8	290.0			440.9			446.9	1227	1232	1215	1082	977	1053	1025
2299	284.2	305.7	424.7	277.5	289.8			441.0			446.9	1227	1228	1211	1079	970	1046	1025
2300	284.0	305.5	424.6	277.2	289.6			440.9	277.2	299.7	448.6	1224	1221	1208	1072	970	1042	1021
2301	283.8	305.2	424.6	277.0	289.4			440.9			449.4	1227	1225	1201	1068	963	1035	1017
2302	283.5	305.0	424.6	276.9	289.1			441.0			448.8	1224	1225	1197	1061	956	1031	1017
2303	283.2	304.8	424.5	276.7	289.0			441.0			448.8	1220	1225	1194	1061	953	1028	1010
2304	283.0	304.6	424.6	276.4	288.6	222.5	109.8	441.0	276.4	298.7	452.5	1220	1217	1194	1054	942	1024	1007
2305	282.9	304.4	424.7	276.3	288.4			440.9			453.8	1220	1225	1190	1047	935	1017	996
2306	282.6	304.1	424.6	276.0	288.2			440.9			454.4	1220	1217	1183	1050	924	1013	996
2307	282.4	303.9	424.6	275.7	288.0			441.0			454.5	1216	1217	1183	1033	924	1003	989
2308	282.2	303.7	424.5	275.6	287.9			440.9	275.4	297.9	455.3	1216	1210	1179	1026	917	1006	986
2309	282.0	303.5	424.5	275.3	287.7			440.9			455.3	1213	1210	1172	1026	910	996	978
2310	281.7	303.3	424.5	275.1	287.5			440.9			455.3	1216	1210	1172	1011	910	992	978
2311	281.5	303.1	424.5	274.9	287.2			440.9			455.4	1213	1203	1165	1008	903	989	975
2312	281.4	302.7	424.5	274.7	287.0	222.1	110.2	440.9	274.4	296.9	455.1	1213	1210	1165	1011	896	985	971
2313	281.0	302.7	424.5	274.5	286.8			440.8			455.2	1209	1207	1162	1004	892	981	968
2314	280.9	302.4	424.5	274.3	286.7			440.8			455.1	1209	1203	1155	1001	889	981	964
2315	280.6	302.2	424.4	274.1	286.4			440.8			454.8	1206	1200	1155	1001	889	978	968
2316	280.3	301.9	424.5	273.8	286.2			440.9	273.5	295.9	453.3	1209	1203	1155	997	889	971	961
2317	280.2	301.7	424.5	273.7	286.0			440.8			452.8	1202	1196	1155	997	881	974	961
2318	280.0	301.5	424.5	273.4	285.8			440.8			452.5	1202	1200	1151	994	889	978	961
2319	279.7	301.2	424.5	273.2	285.6			440.8			451.5	1195	1200	1148	994	892	978	957
2320	279.5	301.0	424.5	273.0	285.3	221.6	110.7	440.8	272.8	295.0	451.5	1195	1200	1148	997	896	978	964
2321	279.3	300.7	424.4	272.8	285.3			440.6			450.8	1191	1189	1151	997	889	981	968
2322	279.1	300.5	424.5	272.6	285.0			440.6			449.9	1195	1196	1155	1001	896	985	961
2323	278.9	300.4	424.4	272.4	284.7			440.6			449.2	1188	1189	1151	1004	903	985	964
2324	278.7	300.1	424.4	272.1	284.6			440.8	271.9	294.2	449.9	1195	1189	1155	1008	899	981	971
2325	278.6	300.0	424.4	271.9	284.4			440.8			450.1	1180	1189	1155	1015	906	988	971
2326	278.3	299.7	424.4	271.7	284.2			440.8			450.2	1180	1189	1151	1015	906	988	971
2327	278.2	299.4	424.4	271.5	284.1			440.8			452.4	1184	1185	1158	1015	913	992	978
2328	277.8	299.2	424.3	271.4	283.7	221.2	111.1	440.6	271.1	293.3	452.4	1180	1192	1158	1022	920	992	971
2329	277.6	298.9	424.4	271.1	283.6			440.8			453.0	1177	1182	1158	1022	924	999	975
2330	277.5	298.8	424.3	270.9	283.4			440.8			453.1	1177	1182	1158	1025	920	1003	978
2331	277.2	298.5	424.3	270.7	283.1			440.6			452.4	1173	1178	1154	1029	928	1003	978
2332	277.0	298.3	424.4	270.4	283.0			440.6	270.2	292.4	453.6	1173	1178	1154	1029	928	1006	982
2333	276.8	298.1	424.3	270.3	282.7			440.6			450.6	1170	1175	1162	1025	931	1006	985
2334	276.6	297.8	424.3	270.2	282.5			440.6			451.1	1166	1175	1154	1036	935	1003	982
2335	276.2	297.6	424.5	269.9	282.3			440.6			452.5	1166	1171	1154	1036	928	1003	982
2336	276.2	297.4	424.4	269.7	282.1	220.7	111.5	440.6	269.3	291.5	453.1	1170	1171	1151	1032	935	999	982
2337	275.8	297.2	424.4	269.6	281.9			440.6			454.2	1166	1168	1151	1032	928	1003	982
2338	275.7	297.0	424.4	269.3	281.7			440.5			454.3	1166	1171	1154	1022	931	1003	982
2339	275.5	296.7	424.2	269.0	281.6			440.6			454.8	1162	1160	1151	1022	935	999	978
2340	275.2	296.5	424.4	268.8	281.3			440.6	268.4	290.5	454.9	1155	1168	1147	1029	931	999	978
2341	275.0	296.2	424.2	268.7	281.1			440.6			454.7	1155	1164	1144	1022	924	999	975
2342	274.8	296.1	424.4	268.4	281.0			440.4			454.7	1148	1161	1144	1018	924	996	971
2343	274.6	295.8	424.2	268.1	280.8			440.5			454.8	1152	1164	1144	1015	924	992	961
2344	274.5	295.6	424.2	267.8	280.6	220.1	111.9	440.6	267.5	289.7	454.8	1155	1157	1140	1011	910	981	964
2345	274.2	295.3	424.2	267.6	280.4			440.6			454.7	1155	1157	1137	1008	906	978	968

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2346	274.0	295.2	424.2	267.5	280.2			440.5			454.7	1159	1161	1137	1004	903	978	964
2347	273.8	295.0	424.2	267.4	279.9			440.4			454.7	1148	1157	1130	994	899	971	954
2348	273.6	294.8	424.1	267.0	279.7			440.5	266.7	288.8	454.6	1152	1154	1126	994	889	964	957
2349	273.4	294.5	424.4	267.0	279.4			440.5			454.7	1148	1153	1126	990	885	960	943
2350	273.1	294.3	424.4	266.7	279.3			440.4			454.7	1152	1150	1123	983	885	956	936
2351	273.0	294.2	424.2	266.5	279.1			440.5			454.7	1152	1150	1116	979	874	956	936
2352	272.7	294.0	424.3	266.2	279.0	219.6	112.1	440.4	265.8	287.9	454.7	1148	1150	1116	972	871	949	936
2353	272.6	293.7	424.1	266.1	278.7			440.5			454.7	1148	1150	1108	965	864	946	932
2354	272.4	293.5	424.3	265.9	278.5			440.5			454.5	1144	1150	1101	958	860	942	922
2355	272.0	293.2	424.3	265.8	278.4			440.5			454.6	1144	1143	1105	958	864	938	922
2356	271.9	293.0	424.3	265.6	278.2			440.4	264.9	287.1	454.6	1141	1143	1101	954	856	935	922
2357	271.8	292.9	424.3	265.3	277.9			440.5			454.5	1148	1139	1105	951	849	931	922
2358	271.6	292.7	424.3	265.1	277.9			440.5			454.3	1148	1139	1098	951	846	931	922
2359	271.4	292.5	424.4	264.9	277.5			440.5			454.1	1137	1136	1094	951	842	928	918
2360	271.1	292.2	424.2	264.8	277.3	219.0	112.5	440.4	264.2	286.2	454.2	1134	1143	1087	947	846	931	918
2361	270.9	291.9	424.2	264.6	277.2			440.4			454.0	1130	1132	1094	947	846	928	911
2362	270.6	291.7	424.2	264.3	277.0			440.4			454.1	1134	1132	1091	947	846	928	907
2363	270.5	291.6	424.1	264.1	276.9			440.4			454.1	1137	1136	1087	951	849	931	914
2364	270.2	291.4	424.2	264.0	276.6			440.4	263.3	285.4	453.9	1130	1136	1091	944	853	928	918
2365	270.2	291.2	424.2	263.8	276.5			440.4			453.8	1130	1132	1094	947	849	931	918
2366	269.9	291.0	424.2	263.6	276.3			440.4			453.5	1127	1132	1091	951	849	935	918
2367	269.8	290.7	424.2	263.4	276.1			440.4			453.3	1127	1132	1091	954	856	935	918
2368	269.4	290.4	424.2	263.2	275.8	218.6	112.8	440.3	262.6	284.5	453.2	1127	1128	1094	958	864	938	922
2369	269.3	290.3	424.2	262.9	275.7			440.3			453.2	1127	1128	1098	958	860	938	922
2370	269.1	290.1	424.2	262.7	275.5			440.3			453.1	1119	1128	1098	961	867	946	925
2371	268.9	289.9	424.2	262.5	275.3			440.3			452.9	1119	1121	1098	969	867	942	929
2372	268.7	289.8	424.2	262.3	275.1			440.4	261.6	283.7	452.8	1119	1121	1101	972	874	949	922
2373	268.5	289.5	424.4	262.2	274.9			440.3			452.8	1119	1121	1094	969	874	946	929
2374	268.3	289.2	424.4	262.0	274.6			440.3			452.7	1116	1118	1094	976	885	956	929
2375	268.0	289.0	424.2	261.8	274.5			440.2			452.6	1116	1121	1101	972	881	953	925
2376	267.9	288.8	424.2	261.6	274.4	218.1	113.2	440.3	261.0	283.0	452.6	1112	1114	1101	972	888	953	929
2377	267.8	288.7	424.2	261.3	274.2			440.3			452.5	1116	1118	1101	983	885	956	932
2378	267.4	288.5	424.1	261.2	274.0			440.3			452.5	1112	1121	1098	979	888	956	936
2379	267.3	288.2	424.4	261.1	273.8			440.3			452.5	1112	1118	1098	983	892	956	932
2380	267.2	288.1	424.2	260.8	273.7			440.3	260.2	282.0	452.4	1109	1111	1094	979	888	956	932
2381	266.9	287.8	424.2	260.7	273.5			440.3			452.4	1105	1111	1101	983	885	949	932
2382	266.7	287.6	424.2	260.4	273.3			440.2			452.5	1105	1111	1098	983	892	953	936
2383	266.5	287.5	424.2	260.3	273.0			440.2			452.5	1102	1107	1098	983	888	949	932
2384	266.3	287.3	424.5	260.1	272.9	217.5	113.6	440.2	259.3	281.2	452.4	1105	1104	1094	979	881	953	929
2385	266.2	287.1	424.4	259.9	272.6			440.1			452.4	1102	1111	1087	976	885	946	925
2386	265.9	286.9	424.4	259.8	272.4			440.2			452.4	1098	1104	1091	976	885	953	925
2387	265.7	286.6	424.4	259.4	272.4			440.2			452.5	1102	1104	1087	969	885	946	922
2388	265.5	286.5	424.5	259.4	272.1			440.2	258.6	280.3	452.3	1098	1100	1080	965	874	942	922
2389	265.4	286.2	424.4	259.3	271.9			440.3			452.3	1098	1100	1087	961	871	938	918
2390	265.2	286.0	424.4	259.0	271.8			440.1			452.4	1101	1100	1076	958	867	931	918
2391	265.0	285.9	424.4	258.7	271.5			440.2			452.4	1098	1093	1076	951	864	928	911
2392	264.7	285.6	424.4	258.5	271.4	217.0	113.9	440.1	257.8	279.6	452.3	1091	1096	1066	951	863	924	907
2393	264.6	285.3	424.5	258.3	271.3			440.1			452.4	1094	1093	1066	940	856	921	904
2394	264.4	285.2	424.5	258.1	271.0			440.2			452.3	1091	1089	1066	937	849	913	904
2395	264.2	284.9	424.4	258.2	270.8			440.1			452.3	1087	1089	1062	936	849	910	900
2396	263.9	284.8	424.5	257.8	270.7			440.1	257.1	278.8	452.3	1091	1089	1062	929	839	910	886
2397	263.9	284.6	424.3	257.5	270.5			440.1			452.3	1091	1086	1062	926	835	903	890
2398	263.7	284.4	424.4	257.4	270.3			440.2			452.2	1087	1089	1059	926	831	903	886
2399	263.4	284.2	424.5	257.2	270.1			440.1			452.3	1087	1089	1055	915	824	899	883
2400	263.1	284.0	424.5	257.0	269.9	216.6	114.1	440.0	256.2	278.1	452.3	1091	1089	1052	915	824	896	879
2401	263.0	283.9	424.4	256.8	269.9			440.1			452.3	1083	1082	1048	908	817	892	879
2402	262.8	283.6	424.4	256.7	269.5			440.0			452.3	1080	1096	1037	912	814	892	872
2403	262.5	283.4	424.4	256.5	269.4			440.1			452.3	1080	1082	1041	908	814	889	872
2404	262.4	283.2	424.4	256.3	269.2			440.1	255.4	277.1	452.2	1083	1082	1041	908	807	889	868
2405	262.2	283.1	424.5	256.2	269.0			440.1			452.3	1080	1079	1034	901	814	892	868
2406	262.0	282.8	424.5	255.9	268.9			440.0			452.3	1080	1079	1037	901	807	885	865
2407	261.9	282.6	424.4	255.7	268.7			440.1			452.2	1076	1072	1034	901	807	889	865
2408	261.6	282.4	424.5	255.6	268.5	216.1	114.5	440.0	254.7	276.3	452.2	1076	1079	1030	901	807	881	868
2409	261.5	282.1	424.5	255.5	268.3			440.0			452.2	1073	1068	1037	901	814	892	861
2410	261.3	281.9	424.5	255.2	268.1			440.1			452.2	1076	1075	1037	901	807	889	865
2411	261.1	281.8	424.4	255.0	267.9			440.1			452.0	1073	1072	1041	905	807	889	865
2412	260.9	281.6	424.4	254.8	267.9			440.0	253.9	275.5	452.2	1073	1068	1034	901	810	889	868
2413	260.7	281.5	424.4	254.7	267.6			440.1			452.0	1066	1068	1037	908	814	892	872
2414	260.5	281.1	424.5	254.5	267.4			439.8			452.0	1073	1068	1041	915	817	892	875
2415	260.4	281.1	424.4	254.3	267.3			440.0			452.2	1066	1064	1041	915	828	892	879
2416	260.2	280.8	424.4	254.1	267.0	215.5	114.7	440.0	253.2	274.6	452.0	1069	1068	1041	922	824	892	879
2417	259.9	280.5	424.6	254.0	266.9			440.0			452.0	1062	1068	1037	919	828	899	872
2418	259.7	280.4	424.5	253.8	266.8			440.0			452.0	1066	1068	1044	926	835	899	879
2419	259.6	280.2	424.5	253.6	266.6			439.8			452.0	1058	1064	1041	926	835	906	883
2420	259.5	279.9	424.5	253.5	266.4			439.8	252.4	273.9	451.9	1055	1061	1044	922	839	906	879
2421	259.2	279.8	424.5	253.2	266.2			440.0			452.0	1058	1057	1048	926	839	899	886
2422	259.0	279.6	424.6	253.1	266.0			439.7			451.9	1058	1061	1044	929	846	910	886
2423	258.8	279.4	424.6	252.9	266.0			439.8			452.0	1051	1061	1055	926	849	906	890
2424	258.7	279.2	424.5	252.6	265.7	215.1	115.0	439.8	251.7	273.1	451.9	1058	1057	1044	933	846	906	890
2425	258.5	279.0	424.6	252.6	265.6			439.8			451.9	1051	1061	1044	933	849	913	886
2426	258.4	278.8	424.5	252.3	265.3			440.0			451.9	1051	1061	1048	933	849	906	890

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2427	258.1	278.5	424.6	252.2	265.2			439.8			451.9	1048	1057	1044	933	849	913	890
2428	258.0	278.5	424.6	252.0	265.0			439.8	251.0	272.3	451.9	1051	1054	1044	936	853	903	890
2429	257.7	278.2	424.6	251.8	264.8			439.7			451.9	1051	1057	1044	933	853	917	886
2430	257.5	278.1	424.6	251.6	264.7			439.7			452.0	1048	1054	1044	933	849	903	890
2431	257.4	277.8	424.6	251.5	264.5			439.7			451.8	1048	1050	1044	929	849	910	883
2432	257.2	277.6	424.6	251.3	264.4	214.5	115.2	439.8	250.2	271.6	451.9	1048	1054	1041	926	846	906	879
2433	257.1	277.5	424.7	251.2	264.1			439.8			451.9	1044	1054	1037	929	846	903	883
2434	256.8	277.2	424.6	250.9	264.0			439.8			451.8	1044	1054	1037	919	846	896	879
2435	256.7	277.1	424.7	250.8	263.9			439.8			451.8	1048	1047	1030	922	835	896	875
2436	256.4	276.9	424.7	250.7	263.7			439.7	249.5	270.9	451.8	1041	1047	1030	912	835	892	872
2437	256.3	276.8	424.7	250.4	263.6			439.8			451.7	1044	1043	1027	915	824	892	875
2438	256.1	276.5	424.8	250.3	263.2			439.6			451.7	1037	1040	1027	908	828	888	868
2439	256.0	276.4	424.8	250.1	263.2			439.7			451.8	1041	1036	1027	905	821	885	865
2440	255.7	276.1	425.1	249.9	263.0	213.9	115.5	439.7	248.8	270.0	451.7	1040	1040	1023	901	817	878	865
2441	255.5	276.0	425.0	249.8	262.8			439.7			451.8	1037	1036	1016	897	814	878	858
2442	255.4	275.8	425.1	249.5	262.6			439.5			451.7	1033	1036	1016	897	814	871	858
2443	255.2	275.6	425.1	249.3	262.3			439.6			451.7	1040	1036	1009	883	807	871	858
2444	255.2	275.4	425.1	249.1	262.3			439.6	248.0	269.3	451.7	1037	1032	1005	887	799	871	851
2445	254.8	275.2	425.0	249.0	262.2			439.6			451.8	1037	1032	1005	883	792	864	851
2446	254.6	275.1	425.0	248.8	261.9			439.6			451.7	1026	1032	1002	876	796	860	843
2447	254.4	274.9	425.1	248.6	261.6			439.6			451.7	1033	1029	998	876	789	860	847
2448	254.2	274.7	425.1	248.4	261.5	213.3	115.7	439.6	247.2	268.6	451.7	1030	1029	998	873	785	856	843
2449	254.1	274.5	425.2	248.2	261.4			439.6			451.7	1037	1029	995	873	782	849	836
2450	253.9	274.4	425.2	248.1	261.2			439.7			451.7	1030	1029	998	869	782	849	836
2451	253.8	274.2	425.2	248.0	261.0			439.6			451.7	1030	1029	995	869	778	853	836
2452	253.6	273.8	425.2	247.7	260.8			439.5	246.7	267.9	451.6	1026	1025	991	865	778	849	833
2453	253.4	273.8	425.3	247.5	260.6			439.6			451.6	1026	1025	991	862	778	849	829
2454	253.2	273.5	425.3	247.5	260.5			439.5			451.6	1023	1029	984	858	778	849	826
2455	253.0	273.2	425.6	247.3	260.3			439.5			451.6	1026	1029	991	862	775	849	829
2456	252.9	273.1	425.4	247.1	260.2	212.8	115.9	439.5	245.9	267.1	451.6	1023	1025	988	862	778	853	826
2457	252.7	272.9	425.4	247.0	259.9			439.5			451.6	1026	1025	991	862	782	849	829
2458	252.5	272.8	425.5	246.8	259.8			439.4			451.6	1023	1022	991	865	782	849	826
2459	252.3	272.6	425.5	246.6	259.6			439.5			451.6	1023	1025	988	862	782	849	833
2460	252.2	272.4	425.4	246.4	259.4			439.5	245.3	266.3	451.5	1019	1018	991	872	782	849	833
2461	252.0	272.3	425.5	246.2	259.3			439.5			451.5	1026	1025	988	872	785	849	836
2462	252.0	272.1	425.5	246.0	259.2			439.5			451.5	1015	1025	995	872	792	856	840
2463	251.6	271.8	425.5	246.0	258.9			439.5			451.5	1019	1025	995	872	792	860	836
2464	251.5	271.7	425.7	245.8	258.8	212.3	116.3	439.4	244.5	265.5	451.5	1015	1011	991	872	796	863	833
2465	251.2	271.5	425.7	245.5	258.7			439.4			451.5	1015	1018	995	876	803	860	840
2466	251.1	271.3	425.8	245.5	258.5			439.5			451.5	1012	1022	998	879	803	863	840
2467	250.9	271.1	425.9	245.2	258.3			439.4			451.3	1011	1022	998	876	803	863	843
2468	250.8	271.0	425.8	245.0	258.2			439.4	243.9	264.9	451.3	1011	1014	998	883	806	874	847
2469	250.6	270.8	425.9	244.9	258.0			439.4			451.5	1015	1018	998	879	814	871	850
2470	250.4	270.5	426.0	244.8	257.8			439.4			451.5	1008	1022	998	886	810	874	847
2471	250.3	270.4	426.0	244.7	257.6			439.3			451.5	1008	1018	998	886	814	863	847
2472	250.1	270.3	426.1	244.4	257.4	211.8	116.3	439.4	243.0	264.2	451.3	1004	1011	998	890	817	874	854
2473	249.9	270.0	426.1	244.2	257.4			439.4			451.5	1008	1014	998	887	817	867	854
2474	249.7	269.9	426.1	244.0	257.2			439.5			451.5	1001	1007	998	894	814	874	854
2475	249.6	269.7	426.1	243.8	257.1			439.4			451.3	1015	1007	1019	911	785	874	861
2476	249.4	269.5	426.2	243.8	256.8			439.4	242.5	263.4	451.2	997	1025	1023	904	789	871	858
2477	249.3	269.3	426.2	243.5	256.8			439.4			451.3	990	1022	1027	918	789	867	868
2478	249.1	269.1	426.1	243.3	256.6			439.4			451.3	997	1011	998	897	814	874	850
2479	248.9	269.0	426.2	243.1	256.4			439.4			451.3	1001	1004	998	897	821	878	854
2480	248.8	268.8	426.2	243.0	256.2	211.3	116.6	439.2	241.6	262.7	451.3	997	1004	998	901	817	874	850
2481	248.5	268.6	426.5	243.0	256.0			439.2			451.2	1001	1004	998	894	821	871	854
2482	248.4	268.4	426.3	242.6	255.9			439.2			451.3	997	1000	998	890	821	871	854
2483	248.2	268.2	426.6	242.5	255.8			439.4			451.3	990	997	1019	904	792	867	861
2484	248.0	268.1	426.5	242.4	255.6			439.4	241.1	262.1	451.2	994	1007	1023	908	782	867	861
2485	248.1	267.9	426.5	242.2	255.4			439.4			451.2	994	1004	995	890	810	863	843
2486	247.7	267.7	426.5	242.1	255.3			439.1			451.3	994	1000	988	890	810	867	847
2487	247.6	267.5	426.6	241.9	255.1			439.1			451.2	994	997	995	887	810	860	843
2488	247.2	267.3	426.6	241.7	254.8	210.7	116.8	439.2	240.2	261.3	451.1	994	1000	991	879	810	860	840
2489	247.2	267.2	426.6	241.6	254.8			439.2			451.2	990	1000	988	876	806	856	840
2490	247.0	267.0	426.6	241.5	254.6			439.2			451.2	990	993	984	879	799	860	836
2491	246.8	266.9	426.6	241.2	254.4			439.2			451.2	990	990	980	872	799	853	836
2492	246.6	266.7	426.6	241.1	254.2			439.2	239.7	260.6	451.2	994	997	980	872	796	849	829
2493	246.6	266.5	426.5	241.0	254.1			439.1			451.2	990	993	977	869	789	849	829
2494	246.4	266.4	426.6	240.8	253.9			439.1			451.2	990	993	973	869	785	846	826
2495	246.1	266.1	426.6	240.5	253.7			439.1			451.1	990	990	970	865	785	838	829
2496	246.0	266.0	426.7	240.4	253.6	210.0	117.0	439.1	239.0	259.9	451.2	990	993	973	862	778	838	822
2497	245.8	265.8	426.7	240.3	253.4			439.1			451.1	986	990	963	858	774	835	811
2498	245.7	265.7	426.7	240.2	253.2			439.0			451.1	986	990	966	847	771	828	811
2499	245.4	265.4	426.7	240.0	253.2			439.3			451.1	986	986	963	840	767	828	808
2500	245.3	265.2	426.7	239.9	253.0			439.1	238.3	259.3	451.1	983	986	963	840	760	828	808
2501	245.2	265.2	426.7	239.7	252.8			439.1			451.1	990	982	963	837	757	828	801
2502	245.1	264.9	426.7	239.6	252.7			439.0			451.0	986	986	956	833	757	824	801
2503	244.9	264.7	426.7	239.4	252.5			439.1			451.0	986	982	949	840	760	828	801
2504	244.7	264.6	426.7	239.2	252.3	209.6	117.3	439.0	237.6	258.4	451.0	986	986	949	830	750	810	801
2505	244.5	264.4	426.7	239.2	252.2			439.1			451.1	983	979	949	823	750	813	801
2506	244.5	264.2	426.7	238.9	252.1			439.1			451.0	986	982	952	830	753	817	801
2507	244.2	264.1	426.7	238.6	251.9			439.0			451.0	983	979	949	826	746	817	801

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2508	244.0	263.9	426.8	238.5	251.8			439.1	237.0	257.8	451.0	979	982	949	826	746	813	801
2509	243.9	263.7	426.8	238.4	251.6			439.1			451.1	986	979	949	826	746	817	797
2510	243.8	263.5	426.8	238.1	251.4			439.0			451.0	986	975	949	826	746	817	794
2511	243.6	263.4	426.7	238.1	251.3			439.0			450.9	976	979	945	819	746	817	797
2512	243.4	263.1	426.9	238.0	251.1	209.1	117.4	439.1	236.3	257.3	450.9	979	979	945	823	746	813	801
2513	243.2	263.1	426.8	237.7	251.1			439.1			451.0	979	979	945	830	753	817	797
2514	243.1	262.9	426.7	237.6	250.9			439.1			451.0	979	979	948	833	749	824	804
2515	242.9	262.7	426.8	237.4	250.7			439.0			451.0	979	975	948	830	753	821	801
2516	242.7	262.4	426.8	237.4	250.5			439.0	235.7	256.3	450.8	976	979	948	833	760	817	801
2517	242.6	262.4	426.7	237.2	250.4			439.1			450.9	979	979	948	837	760	821	808
2518	242.5	262.2	426.4	237.0	250.3			439.0			450.9	979	972	948	844	757	824	804
2519	242.2	262.1	426.5	236.8	249.9			439.0			450.8	972	968	952	840	764	828	804
2520	242.1	261.8	426.5	236.7	249.9	208.5	117.6	438.9	235.1	255.7	450.8	972	972	948	840	767	824	804
2521	241.8	261.6	426.0	236.4	249.7			439.0			450.9	968	968	956	844	771	828	808
2522	241.8	261.6	425.4	236.4	249.6			439.0			450.9	968	972	956	847	771	831	811
2523	241.5	261.5	425.0	236.2	249.5			438.9			450.9	972	968	952	851	778	831	808
2524	241.3	261.2	424.9	236.0	249.2			438.9	234.5	255.0	450.9	968	968	956	854	778	835	815
2525	241.2	261.1	424.9	235.8	249.1			439.0			450.8	972	968	952	851	778	835	808
2526	241.1	260.7	424.0	235.8	248.9			438.8			450.8	965	961	956	851	785	835	808
2527	240.9	260.6	423.7	235.6	248.8			438.9			450.8	961	965	956	854	781	835	815
2528	240.8	260.5	422.5	235.4	248.7	208.1	117.7	438.9	233.9	254.3	450.7	961	965	956	861	785	838	815
2529	240.6	260.2	421.9	235.4	248.6			438.8			450.7	958	965	956	847	781	835	811
2530	240.4	260.1	421.5	235.3	248.4			439.0			450.9	958	961	956	854	789	831	808
2531	240.2	260.1	420.5	235.0	248.3			438.9			450.7	961	965	959	858	785	838	811
2532	240.1	259.9	420.2	234.9	248.1			438.9	233.2	253.7	450.6	958	961	959	861	785	838	815
2533	240.0	259.7	420.5	234.7	247.9			438.9			450.7	961	961	952	854	781	838	808
2534	239.7	259.4	420.8	234.6	247.7			438.8			450.6	950	965	952	851	789	835	808
2535	239.6	259.4	421.2	234.4	247.5			438.9			450.7	950	961	952	851	778	831	811
2536	239.5	259.1	421.9	234.2	247.4	207.5	117.9	438.9	232.6	252.9	450.7	950	957	948	854	789	835	811
2537	239.3	259.0	422.3	234.2	247.1			438.8			450.6	958	957	948	847	781	828	808
2538	239.3	258.8	422.2	233.9	247.1			438.9			450.7	950	954	948	844	774	831	808
2539	239.1	258.7	421.8	233.7	247.0			438.8			450.6	954	957	941	844	774	828	804
2540	238.9	258.4	421.1	233.6	246.7			438.9	231.8	252.4	450.6	954	957	945	840	774	828	808
2541	238.8	258.3	420.5	233.4	246.7			438.9			450.6	950	954	945	840	771	820	801
2542	238.6	258.2	420.2	233.3	246.5			438.8			450.6	947	954	934	840	771	817	801
2543	238.4	258.0	419.1	233.1	246.3			438.8			450.6	947	957	938	837	764	817	797
2544	238.3	257.8	418.0	233.0	246.2	207.0	118.0	438.7	231.4	251.7	450.6	947	950	938	829	756	817	797
2545	238.2	257.7	417.3	232.8	246.0			438.8			450.5	950	950	931	826	760	817	790
2546	237.9	257.5	415.9	232.7	245.9			438.8			450.5	947	947	931	819	753	813	790
2547	237.9	257.5	414.0	232.5	245.7			438.5			450.5	947	943	931	822	749	810	787
2548	237.7	257.2	412.4	232.4	245.6			438.8	230.7	251.1	450.5	940	943	931	815	746	806	787
2549	237.4	257.0	411.2	232.2	245.4			438.7			450.4	943	950	920	815	742	799	787
2550	237.4	256.9	409.8	232.1	245.3			438.8			450.4	940	947	924	805	742	799	783
2551	237.2	256.7	408.9	231.9	245.2			438.8			450.5	940	947	920	808	739	796	776
2552	237.0	256.6	408.3	231.9	245.0	206.3	118.2	438.7	230.1	250.4	450.5	947	943	916	808	732	796	772
2553	236.9	256.2	407.7	231.6	244.8			438.8			450.5	943	940	916	805	732	788	776
2554	236.7	256.2	407.5	231.5	244.8			438.7			450.5	940	940	916	801	728	785	776
2555	236.5	256.0	407.4	231.3	244.6			438.5			450.4	940	940	913	798	732	788	762
2556	236.4	255.7	407.4	231.3	244.5			438.8	229.5	249.8	450.4	940	940	913	798	725	788	765
2557	236.3	255.7	406.9	231.1	244.3			438.7			450.3	940	936	906	798	721	781	769
2558	236.1	255.5	406.7	231.0	244.1			438.7			450.4	936	940	909	790	721	781	765
2559	235.9	255.4	406.6	230.7	244.1			438.5			450.5	940	936	906	798	721	781	765
2560	235.8	255.2	406.5	230.7	243.8	205.9	118.3	438.5	228.9	249.2	450.3	940	936	906	794	721	778	765
2561	235.6	254.9	406.3	230.5	243.7			438.7			450.4	940	933	909	791	721	778	769
2562	235.6	254.8	406.0	230.3	243.5			438.5			450.3	940	936	909	798	725	781	765
2563	235.2	254.7	406.0	230.3	243.4			438.7			450.4	936	936	906	791	725	781	769
2564	235.1	254.6	406.1	230.0	243.3			438.7	228.3	248.5	450.3	940	936	909	791	725	785	769
2565	235.0	254.4	406.0	229.9	243.1			438.5			450.2	936	929	902	794	728	788	765
2566	234.8	254.1	405.6	229.8	242.9			438.5			450.4	936	933	909	798	728	785	769
2567	234.7	254.0	405.1	229.6	242.8			438.5			450.4	932	933	906	794	732	788	765
2568	234.6	253.9	404.8	229.4	242.7	205.3	118.2	438.7	227.8	247.9	450.4	936	929	916	801	728	788	769
2569	234.4	253.7	404.5	229.2	242.6			438.5			450.3	932	933	906	797	735	792	772
2570	234.2	253.6	404.3	229.2	242.4			438.5			450.3	929	932	916	801	732	795	769
2571	234.2	253.4	403.9	228.9	242.3			438.5			450.3	929	929	909	808	739	795	772
2572	234.1	253.3	403.7	228.7	242.0			438.5	227.0	247.3	450.2	932	932	916	812	742	799	776
2573	233.9	253.1	403.7	228.7	242.0			438.7			450.3	925	929	916	812	746	795	776
2574	233.7	252.9	403.5	228.5	241.8			438.5			450.2	932	932	916	815	746	799	772
2575	233.5	252.8	403.2	228.4	241.8			438.5			450.3	925	925	916	815	746	803	783
2576	233.3	252.7	403.0	228.3	241.4	204.8	118.4	438.5	226.4	246.6	450.2	925	933	916	815	749	803	779
2577	233.3	252.5	402.8	228.2	241.3			438.5			450.3	929	929	913	812	749	806	779
2578	233.0	252.3	402.6	228.0	241.2			438.5			450.2	925	925	920	815	753	810	783
2579	233.0	252.2	402.4	227.9	241.0			438.5			450.3	922	933	927	819	753	806	783
2580	232.8	252.0	402.5	227.7	240.8			438.5	225.8	245.9	450.2	929	925	920	815	756	810	790
2581	232.7	251.9	402.4	227.6	240.8			438.4			450.3	922	922	913	826	756	810	787
2582	232.5	251.7	402.4	227.4	240.6			438.5			450.2	929	933	924	819	760	810	787
2583	232.4	251.4	402.4	227.3	240.5			438.4			450.0	918	922	920	826	756	810	787
2584	232.2	251.4	402.5	227.2	240.4	204.3	118.6	438.4	225.2	245.3	450.1	922	933	924	819	760	810	794
2585	232.2	251.2	402.4	226.9	240.1			438.4			450.1	925	922	924	829	760	810	790
2586	231.9	251.0	402.2	226.9	240.0			438.4			450.1	922	925	927	822	764	810	794
2587	231.8	250.9	402.0	226.6	239.9			438.4			450.1	922	925	927	826	760	813	787
2588	231.6	250.8	402.0	226.5	239.7			438.3	224.7	244.7	450.1	922	929	920	822	756	810	783

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2589	231.6	250.7	401.9	226.5	239.6			438.4			450.1	922	922	920	822	756	813	786
2590	231.2	250.5	401.7	226.4	239.4			438.4			450.0	925	925	920	819	760	806	786
2591	231.1	250.4	401.2	226.1	239.3			438.3			450.0	918	922	920	819	760	810	794
2592	230.9	250.1	401.2	226.1	239.2	203.6	118.7	438.4	224.2	244.0	450.0	914	925	923	815	749	806	786
2593	230.8	250.0	401.0	225.7	239.0			438.3			450.0	925	925	920	819	749	803	786
2594	230.6	249.8	400.8	225.6	238.9			438.4			450.0	918	922	916	815	746	799	783
2595	230.6	249.7	400.5	225.6	238.7			438.3			449.9	922	918	913	812	742	792	779
2596	230.4	249.5	400.3	225.3	238.7			438.3	223.6	243.4	450.0	918	922	909	812	746	795	776
2597	230.2	249.3	400.1	225.3	238.4			438.3			449.9	918	918	909	812	742	792	776
2598	230.1	249.2	399.8	225.1	238.4			438.2			449.9	918	925	902	808	746	792	772
2599	230.0	249.1	399.6	224.9	238.3			438.3			449.9	914	918	909	804	739	792	769
2600	229.8	248.9	399.4	224.9	237.9	203.1	118.8	438.3	222.9	242.8	449.9	918	922	906	801	739	785	769
2601	229.7	248.8	399.2	224.6	238.0			438.3			450.0	918	918	902	801	735	781	765
2602	229.5	248.7	399.4	224.5	237.8			438.4			449.9	914	918	902	797	728	781	762
2603	229.4	248.5	399.2	224.5	237.6			438.3			449.8	918	911	899	790	721	774	762
2604	229.2	248.3	399.1	224.4	237.4			438.3	222.3	242.2	449.9	911	911	895	787	728	778	765
2605	229.2	248.2	399.0	224.1	237.3			438.2			449.9	918	911	892	787	721	771	755
2606	228.9	247.9	399.0	224.1	237.1			438.3			449.9	911	911	888	783	717	771	758
2607	228.8	247.7	398.8	223.8	237.0			438.2			449.8	918	915	888	787	710	767	755
2608	228.7	247.6	398.6	223.7	236.9	202.4	118.9	438.2	221.8	241.5	449.8	911	911	891	780	717	770	755
2609	228.6	247.4	398.3	223.6	236.7			438.2			449.8	918	915	884	776	710	763	751
2610	228.5	247.4	398.2	223.5	236.6			438.2			449.8	911	908	884	780	714	767	747
2611	228.3	247.1	398.0	223.3	236.5			438.2			449.9	911	908	888	776	703	767	747
2612	228.1	247.0	397.7	223.3	236.4			438.2	221.2	240.8	449.9	907	907	888	776	703	763	747
2613	228.0	246.8	397.7	223.1	236.2			438.2			449.7	911	911	888	772	707	763	744
2614	227.9	246.7	397.6	222.8	236.2			438.1			449.8	904	907	884	772	710	767	747
2615	227.7	246.5	397.5	222.7	236.1			438.2			449.8	907	915	881	776	703	763	747
2616	227.6	246.4	397.4	222.6	235.8	202.0	119.1	438.2	220.7	240.4	449.7	911	907	884	776	710	767	747
2617	227.5	246.3	397.4	222.4	235.6			438.1			449.8	911	907	877	780	710	763	747
2618	227.2	246.1	397.3	222.4	235.6			438.2			449.8	911	904	884	780	707	767	744
2619	227.1	245.9	397.3	222.2	235.3			438.1			449.7	907	911	884	780	714	763	747
2620	226.9	245.7	397.2	221.9	235.3			438.1	220.1	239.8	449.8	907	904	884	776	714	767	751
2621	226.8	245.8	397.1	221.9	235.2			438.2			449.8	907	911	884	783	710	767	751
2622	226.6	245.5	397.1	221.7	235.0			438.2			449.7	911	907	888	780	717	774	754
2623	226.5	245.4	396.7	221.6	234.9			438.1			449.7	907	907	888	787	717	770	754
2624	226.4	245.2	396.7	221.5	234.8	201.6	119.1	438.2	219.5	239.2	449.7	904	907	895	783	717	774	758
2625	226.2	245.1	396.8	221.4	234.6			438.2			449.7	907	907	888	787	721	778	758
2626	226.1	244.8	396.5	221.3	234.5			438.1			449.7	904	907	891	787	731	778	758
2627	226.0	244.8	396.4	221.1	234.3			438.1			449.6	907	911	891	801	721	781	751
2628	225.8	244.6	396.3	221.0	234.2			438.1	218.8	238.5	449.6	904	907	895	794	724	778	769
2629	225.7	244.5	396.1	220.9	234.1			438.0			449.6	907	904	888	797	735	781	754
2630	225.6	244.4	396.0	220.8	234.0			438.1			449.7	900	900	898	797	728	788	762
2631	225.4	244.2	395.9	220.6	233.8			438.1			449.7	900	907	891	797	735	785	762
2632	225.3	244.1	395.8	220.4	233.6	201.0	119.0	438.1	218.4	238.0	449.6	896	904	895	801	742	785	762
2633	225.1	243.9	395.7	220.3	233.6			438.0			449.6	900	907	895	801	746	788	758
2634	225.0	243.8	395.8	220.2	233.4			438.1			449.6	900	900	898	801	739	788	758
2635	224.9	243.5	395.8	220.2	233.1			438.0			449.6	900	907	898	804	739	788	769
2636	224.7	243.4	395.8	219.9	233.0			438.1	217.8	237.4	449.6	896	904	895	794	742	788	769
2637	224.6	243.3	398.7	219.8	233.0			437.9			449.5	896	900	898	801	742	788	765
2638	224.4	243.2	429.1	219.8	232.8			438.1			449.6	896	897	895	804	742	788	769
2639	224.2	243.0	429.1	219.5	232.7			438.1			449.5	893	904	898	804	742	792	762
2640	224.2	242.8	429.3	219.5	232.5	200.4	119.2	438.0	217.3	236.8	449.5	896	904	891	808	742	788	769
2641	224.1	242.7	429.3	219.3	232.4			438.0			449.6	893	893	895	801	746	785	762
2642	224.0	242.6	429.4	219.2	232.3			438.0			449.5	893	897	898	804	742	792	762
2643	223.8	242.4	429.4	219.0	232.2			438.0			449.5	882	897	891	794	739	785	765
2644	223.7	242.3	429.3	218.9	232.1			438.0	216.8	236.3	449.5	893	900	891	801	739	788	762
2645	223.6	242.1	429.4	218.8	231.9			438.0			449.5	893	900	895	801	735	785	765
2646	223.4	242.0	429.5	218.6	231.6			438.0			449.4	893	900	891	797	735	778	762
2647	223.2	241.9	429.5	218.4	231.7			438.0			449.5	889	893	888	790	742	785	762
2648	223.0	241.7	429.6	218.2	231.5	199.9	119.3	438.0	216.2	235.6	449.5	893	893	891	797	735	781	758
2649	222.8	241.5	429.6	218.2	231.4			437.9			449.5	885	893	888	794	739	778	769
2650	222.8	241.4	429.6	218.0	231.2			438.0			449.5	889	890	881	790	728	770	765
2651	222.5	241.3	429.7	217.9	231.2			437.8			449.4	889	893	881	786	731	774	754
2652	222.4	241.1	429.9	217.8	231.0			438.0	215.5	235.2	449.4	889	897	877	790	724	774	754
2653	222.4	241.0	429.7	217.6	230.9			437.8			449.5	889	886	877	790	728	767	751
2654	222.3	240.8	429.7	217.5	230.8			437.9			449.4	889	886	881	786	717	767	751
2655	222.0	240.7	429.6	217.4	230.6			437.9			449.5	882	886	877	779	721	767	747
2656	221.9	240.5	429.7	217.3	230.5	199.4	119.3	437.9	215.1	234.5	449.5	889	897	877	776	710	763	747
2657	221.8	240.4	430.1	217.2	230.2			437.9			449.4	889	886	867	772	717	763	740
2658	221.7	240.3	430.1	217.0	230.2			437.8			449.4	889	883	870	772	707	763	737
2659	221.5	240.2	430.2	216.9	230.2			437.9			449.4	889	893	867	762	707	760	740
2660	221.3	240.0	430.3	216.8	229.9			437.9	214.6	233.9	449.4	882	893	870	769	699	432	740
2661	221.3	239.9	430.4	216.6	229.8			437.9			449.4	1525	847	927	779	657	756	946
2662	221.1	239.7	430.3	216.6	229.7			437.9			449.4	1028	1035	874	872	692	785	715
2663	221.0	239.5	430.7	216.3	229.5			437.9			449.3	900	904	916	825	731	778	762
2664	220.9	239.5	430.6	216.2	229.4	198.9	119.4	437.8	214.1	233.6	449.4	900	875	895	801	696	767	733
2665	220.8	239.3	430.8	216.1	229.4			437.9			449.4	896	879	905	825	721	795	733
2666	220.6	239.1	430.8	215.9	229.2			437.9			449.3	896	875	881	801	710	778	733
2667	220.6	239.1	430.8	215.9	229.1			437.9			449.3	885	875	898	829	692	774	737
2668	220.4	238.9	430.9	215.8	228.9			437.9	213.5	232.9	449.3	889	883	902	815	721	795	747
2669	220.3	238.7	431.0	215.7	228.7			437.8			449.3	893	911	849	776	778	756	801

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2670	220.1	238.5	431.1	215.5	228.6			437.8			449.3	878	907	884	737	735	770	733
2671	220.0	238.4	431.1	215.3	228.4			437.8			449.3	921	918	909	723	760	810	779
2672	219.8	238.3	431.4	215.3	228.4	198.3	119.6	437.8	213.1	232.3	449.4	953	897	831	758	824	820	740
2673	219.7	238.0	431.4	215.1	228.1			437.8			449.3	900	907	877	779	728	778	772
2674	219.5	237.9	431.4	214.9	228.1			437.8			449.2	939	890	902	818	749	820	747
2675	219.4	237.8	431.6	214.9	228.1			437.8			449.4	896	918	867	868	778	824	797
2676	219.3	237.7	431.6	214.7	227.8			437.8	212.4	231.6	449.2	896	914	920	854	785	1194	698
2677	219.1	237.5	431.8	214.7	227.7			437.7			449.3	750	1092	1461	276	721	849	655
2678	219.1	237.4	431.8	214.5	227.6			437.8			449.2	900	907	930	779	877	813	815
2679	219.0	237.2	431.8	214.4	227.4			437.8			449.2	878	858	909	801	735	838	786
2680	218.7	237.1	432.0	214.4	227.3	197.8	119.6	437.5	211.9	231.3	449.3	871	943	923	808	792	802	776
2681	218.6	236.9	432.0	214.1	227.1			437.7			449.2	878	904	930	847	760	799	779
2682	218.6	236.9	432.2	213.9	227.0			437.8			449.2	903	904	888	836	795	802	815
2683	218.4	236.7	432.2	213.7	226.9			437.8			449.2	892	904	930	861	802	842	769
2684	218.2	236.4	432.2	213.7	226.8			437.8	211.4	230.7	449.0	896	893	902	808	788	849	808
2685	218.1	236.4	432.4	213.5	226.7			437.7			449.2	875	890	930	840	841	842	808
2686	217.9	236.4	432.4	213.4	226.6			437.7			449.2	889	936	944	811	806	874	793
2687	217.9	236.2	432.4	213.3	226.5			437.8			449.2	925	875	944	854	827	867	815
2688	217.7	236.1	432.7	213.3	226.4	197.3	119.7	437.7	210.9	230.0	449.2	864	911	916	893	824	867	751
2689	217.6	235.9	432.4	213.1	226.2			437.8			449.0	878	890	923	875	806	849	864
2690	217.4	235.8	432.5	213.0	226.2			437.7			449.0	885	897	941	857	849	842	818
2691	217.3	235.6	432.4	212.7	225.9			437.7			449.0	882	907	951	879	820	888	832
2692	217.3	235.4	432.4	212.8	225.8			437.7	210.4	229.5	449.0	878	893	927	861	849	980	797
2693	217.0	235.3	432.5	212.7	225.8			437.7			449.0	914	762	799	609	557	795	907
2694	216.9	235.1	432.5	212.5	225.7			437.7			449.2	875	822	909	832	859	859	822
2695	216.8	235.1	432.7	212.4	225.5			437.7			449.0	878	900	927	889	849	842	850
2696	216.6	234.9	432.7	212.2	225.3	196.8	119.8	437.7	209.9	229.0	449.0	871	907	937	864	827	870	797
2697	216.5	234.7	432.7	212.1	225.2			437.7			449.0	864	904	923	882	845	856	808
2698	216.5	234.6	432.5	211.9	225.1			437.7			449.0	896	875	930	886	845	845	800
2699	216.3	234.4	432.7	211.9	225.0			437.7			448.9	882	868	958	857	834	877	808
2700	216.1	234.3	432.5	211.8	224.8			437.7	209.3	228.4	448.9	850	861	912	900	849	856	797
2701	216.1	234.2	432.5	211.5	224.7			437.7			448.9	878	890	930	889	827	849	804
2702	215.9	234.1	432.7	211.6	224.6			437.5			449.0	875	879	930	879	852	859	832
2703	215.7	234.0	432.8	211.4	224.4			437.5			449.0	864	890	951	896	827	863	839
2704	215.5	233.9	432.6	211.3	224.5	196.3	119.8	437.5	208.8	227.9	448.9	857	882	930	893	856	863	832
2705	215.5	233.7	432.6	211.1	224.3			437.6			448.9	860	890	930	882	859	859	839
2706	215.2	233.5	432.8	211.2	224.1			437.6			448.9	860	886	930	875	856	863	839
2707	215.2	233.4	432.8	210.9	224.1			437.5			448.9	864	882	930	882	856	856	843
2708	215.1	233.3	432.8	210.8	223.9			437.5	208.2	227.4	448.9	860	882	930	879	859	2166	839
2709	215.0	233.1	432.6	210.4	223.8			437.3			448.9	1653	794	1157	1152	1076	842	921
2710	214.8	232.9	432.6	210.4	223.6			437.5			448.9	939	889	958	886	916	891	797
2711	214.6	232.8	432.9	210.3	223.6			437.5			448.9	882	875	923	878	852	863	861
2712	214.6	232.8	432.6	210.2	223.4	195.8	119.9	437.5	207.6	226.8	448.9	860	879	923	857	852	874	832
2713	214.4	232.6	432.6	210.0	223.1			437.4			448.8	857	879	919	875	859	863	843
2714	214.3	232.4	432.8	210.0	223.1			437.6			448.8	860	886	926	875	849	870	850
2715	214.2	232.3	432.8	209.8	223.0			437.5			448.9	846	879	923	878	863	870	843
2716	214.1	232.2	432.6	209.7	222.8			437.4	207.2	226.2	448.9	849	882	923	885	863	870	846
2717	214.0	232.0	432.6	209.5	222.7			437.5			448.8	842	875	923	871	863	874	846
2718	213.8	231.8	432.8	209.5	222.6			437.5			448.8	853	875	926	878	856	877	846
2719	213.6	231.7	432.6	209.4	222.4			437.5			448.8	846	879	919	875	863	870	850
2720	213.6	231.7	432.6	209.3	222.4	195.3	119.9	437.4	206.6	225.7	448.8	846	879	923	878	859	866	850
2721	213.4	231.5	432.5	209.1	222.3			437.4			448.7	856	879	926	878	863	870	850
2722	213.3	231.3	432.6	209.0	222.1			437.4			448.8	846	872	923	875	863	877	850
2723	213.2	231.3	432.6	208.9	222.1			437.4			448.8	842	879	926	882	866	870	857
2724	212.9	231.1	432.6	208.8	221.9			437.3	206.1	225.1	448.8	842	875	919	882	863	713	854
2725	212.9	231.0	432.6	208.7	221.8			437.5			448.8	585	936	898	935	738	959	623
2726	212.8	230.7	432.5	208.5	221.6			437.4			448.8	885	815	930	875	902	863	910
2727	212.6	230.6	432.6	208.4	221.5			437.4			448.7	867	886	930	910	891	870	829
2728	212.6	230.6	432.6	208.4	221.5	194.7	120.0	437.3	205.5	224.6	448.8	864	872	926	875	866	870	861
2729	212.4	230.3	432.5	208.1	221.3			437.4			448.7	846	868	930	878	866	870	850
2730	212.3	230.2	432.6	208.1	221.1			437.4			448.7	839	872	923	878	873	866	861
2731	212.2	230.0	432.5	207.9	221.1			437.4			448.7	828	872	895	893	866	852	871
2732	211.9	230.0	432.6	207.8	220.9			437.5	205.0	224.1	448.6	878	865	941	868	845	870	850
2733	211.8	229.8	432.5	207.7	220.9			437.3			448.7	842	847	930	889	880	874	861
2734	211.7	229.7	432.5	207.4	220.7			437.4			448.7	828	865	926	836	866	881	836
2735	211.6	229.5	432.5	207.3	220.6			437.4			448.7	849	868	926	875	856	884	832
2736	211.4	229.4	432.6	207.2	220.4	194.2	120.1	437.3	204.4	223.6	448.7	860	872	965	857	866	877	854
2737	211.2	229.2	432.4	207.1	220.4			437.2			448.7	849	864	944	836	838	874	843
2738	211.2	229.2	432.5	206.9	220.3			437.3			448.7	831	868	937	853	866	881	839
2739	211.0	229.1	432.5	206.9	220.2			437.3			448.5	835	875	930	850	856	888	839
2740	210.9	228.9	432.5	206.8	220.0			437.3	203.9	222.8	448.7	828	864	930	871	866	1981	850
2741	210.9	228.6	432.4	206.5	219.8			437.3			448.5	699	868	1394	1052	923	966	896
2742	210.5	228.6	432.3	206.6	219.7			437.2			448.5	810	879	983	889	912	895	829
2743	210.5	228.6	432.4	206.4	219.6			437.2			448.7	817	861	941	917	902	895	843
2744	210.4	228.3	432.5	206.3	219.5	193.7	120.1	437.3	203.4	222.3	448.5	821	861	962	914	888	909	839
2745	210.3	228.3	432.4	206.2	219.4			437.3			448.5	831	857	937	900	895	884	843
2746	210.2	228.1	432.4	206.0	219.3			437.3			448.7	821	861	930	885	902	891	846
2747	210.0	228.0	432.4	205.9	219.1			437.3			448.5	817	861	944	900	891	891	829
2748	210.0	227.8	432.4	205.7	219.0			437.3	202.8	221.8	448.3	828	843	923	914	866	891	850
2749	209.8	227.8	432.4	205.7	218.9			437.2			448.5	842	889	930	910	870	870	864
2750	209.6	227.5	432.3	205.6	218.7			437.2			448.5	849	886	937	910	888	902	868

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2751	209.6	227.5	432.3	205.4	218.6			437.3			448.4	846	864	923	893	866	895	907
2752	209.4	227.1	432.4	205.3	218.6	193.2	120.1	437.2	202.3	221.4	448.6	831	850	944	935	898	902	818
2753	209.2	227.1	432.3	205.2	218.4			437.2			448.5	817	854	934	935	895	920	868
2754	209.2	227.1	432.4	205.0	218.4			437.2			448.6	835	872	944	907	902	898	861
2755	209.0	226.9	432.4	205.0	218.1			437.2			448.5	817	847	965	914	920	902	846
2756	208.9	226.8	432.4	204.8	218.1			437.3	201.7	220.8	448.5	796	836	948	889	916	898	857
2757	208.8	226.5	432.4	204.7	217.9			437.1			448.5	806	843	951	907	934	909	843
2758	208.6	226.5	432.4	204.5	217.8			437.1			448.3	810	833	944	914	909	913	854
2759	208.5	226.3	432.4	204.5	217.8			437.1			448.5	806	850	930	893	905	881	850
2760	208.3	226.1	432.3	204.2	217.6	192.6	120.0	437.2	201.2	220.3	448.2	828	843	933	903	902	891	850
2761	208.2	226.0	432.3	204.1	217.5			437.1			448.4	821	854	937	942	905	888	854
2762	208.0	226.0	432.3	203.9	217.4			437.1			448.4	810	843	912	917	912	884	882
2763	208.0	225.9	432.3	203.8	217.3			437.1			448.4	810	861	912	928	916	888	878
2764	207.8	225.7	432.3	203.6	217.0			437.1	200.7	219.8	448.3	806	847	944	882	927	888	868
2765	207.8	225.5	432.4	203.6	216.9			437.1			448.2	817	840	937	917	916	891	864
2766	207.7	225.4	432.3	203.6	216.9			437.1			448.3	828	871	940	914	916	895	882
2767	207.5	225.3	432.3	203.4	216.7			437.1			448.4	835	847	923	892	937	895	903
2768	207.4	225.1	432.3	203.3	216.7	192.1	120.0	437.2	200.0	219.3	448.3	817	850	983	921	902	884	868
2769	207.4	225.0	432.3	203.1	216.6			437.1			448.4	842	847	965	924	919	877	861
2770	207.2	224.9	432.2	203.1	216.3			437.2			448.3	828	875	962	899	866	898	853
2771	206.8	224.7	432.3	202.8	216.1			437.1			448.3	842	879	930	875	912	891	896
2772	206.7	224.6	432.3	202.8	216.0			437.1	199.6	218.8	448.3	853	861	955	924	912	895	864
2773	206.7	224.5	432.2	202.7	216.0			437.1			448.2	842	893	969	899	912	884	896
2774	206.5	224.3	432.3	202.6	215.8			436.9			448.3	838	871	965	871	902	863	889
2775	206.4	224.3	432.2	202.5	215.7			436.9			448.3	849	882	940	871	930	884	896
2776	206.3	224.2	432.2	202.3	215.7	191.7	120.0	437.1	199.1	218.2	448.2	849	854	916	921	941	888	903
2777	206.2	224.0	432.2	202.2	215.5			437.1			448.2	846	882	919	896	927	891	917
2778	206.0	223.9	432.3	202.0	215.4			436.9			448.2	842	886	923	928	930	895	907
2779	205.8	223.6	432.2	202.0	215.3			436.8			448.2	835	889	948	914	927	884	896
2780	205.8	223.6	432.2	201.8	215.2			436.9	198.6	217.6	448.2	846	886	958	917	919	888	892
2781	205.7	223.5	432.2	201.7	215.1			436.9			448.3	856	872	955	917	912	891	900
2782	205.5	223.3	432.2	201.6	215.0			436.8			448.2	831	886	951	907	923	895	892
2783	205.4	223.3	432.2	201.6	214.9			436.9			448.2	849	896	965	921	927	895	903
2784	205.3	223.1	432.2	201.4	214.7	191.2	120.2	436.9	198.0	217.1	448.2	856	893	972	924	919	902	896
2785	205.3	223.0	432.2	201.3	214.7			436.9			448.2	870	875	969	921	927	902	892
2786	205.1	222.9	432.2	201.1	214.5			436.9			448.1	863	893	965	921	930	902	889
2787	204.9	222.7	432.1	201.0	214.3			436.9			448.1	856	893	962	928	930	913	900
2788	204.8	222.6	432.2	200.8	214.3			436.9	197.5	216.6	448.2	867	900	979	935	927	913	896
2789	204.8	222.5	432.1	200.6	214.1			436.9			448.1	863	907	972	928	919	934	892
2790	204.5	222.2	432.2	200.5	214.0			436.9			448.2	870	910	965	924	898	927	899
2791	204.5	222.1	432.1	200.4	213.9			436.9			448.1	856	910	1001	914	916	934	882
2792	204.3	221.9	431.9	200.3	213.7	190.7	120.1	436.9	197.1	216.1	448.1	870	889	976	928	937	916	899
2793	204.1	221.8	432.1	200.2	213.6			436.9			448.1	863	896	983	924	937	920	885
2794	204.1	221.7	432.1	200.1	213.7			436.8			448.1	867	896	983	931	934	920	896
2795	204.1	221.6	432.1	199.9	213.5			436.8			448.1	870	900	976	945	930	905	885
2796	203.8	221.5	432.1	199.9	213.4			436.8	196.4	215.6	448.2	874	878	969	899	930	934	921
2797	203.8	221.4	431.9	199.8	213.2			436.8			448.1	877	893	972	931	937	923	878
2798	203.6	221.2	431.9	199.6	213.1			436.8			448.1	867	889	972	931	937	923	896
2799	203.5	221.0	432.1	199.6	212.9			436.8			448.1	860	900	969	935	934	923	892
2800	203.4	221.0	432.1	199.4	212.9	190.2	120.1	436.8	195.9	215.1	448.1	860	886	976	938	937	930	899
2801	203.4	220.9	431.9	199.2	212.7			436.8			448.0	860	882	965	935	944	923	907
2802	203.1	220.6	432.1	199.2	212.6			436.8			448.0	863	889	972	935	951	927	903
2803	202.9	220.5	432.2	199.2	212.6			436.7			448.1	856	889	979	938	944	927	907
2804	202.8	220.4	431.9	198.9	212.4			436.8	195.5	214.6	447.9	860	889	972	935	951	923	903
2805	202.7	220.3	431.9	198.9	212.2			436.7			448.0	856	893	976	935	951	927	900
2806	202.6	220.2	431.9	198.7	212.2			436.8			448.1	856	893	969	942	951	923	914
2807	202.4	220.0	431.8	198.6	212.0			436.8			448.0	867	889	997	988	916	938	910
2808	202.5	220.0	431.9	198.5	212.0	189.6	120.2	436.7	195.0	214.2	448.0	874	889	986	949	937	920	896
2809	202.3	219.8	431.9	198.3	211.8			436.8			448.0	878	889	972	935	958	927	907
2810	202.1	219.7	431.9	198.3	211.6			436.8			448.0	863	896	972	938	944	927	921
2811	202.0	219.5	432.0	198.2	211.6			436.7			448.0	860	900	972	949	955	923	917
2812	201.8	219.4	431.8	198.1	211.5			436.8	194.6	213.4	447.8	863	889	976	938	948	923	924
2813	201.8	219.4	431.8	198.0	211.4			436.7			448.0	856	886	983	953	951	920	921
2814	201.7	219.2	431.9	197.8	211.2			436.7			447.8	860	893	979	945	955	916	924
2815	201.4	219.1	431.8	197.5	211.1			436.8			447.7	559	1482	1698	669	344	485	857
2816	201.5	218.9	431.9	197.6	211.0	189.2	120.0	436.8	194.0	213.0	448.0	1874	1020	926	1311	1129	1002	733
2817	201.3	218.9	431.8	197.4	210.8			436.7			447.9	1045	815	1110	913	866	955	942
2818	201.2	218.6	431.9	197.3	210.8			436.8			448.0	781	825	930	974	955	888	917
2819	201.1	218.7	431.8	197.1	210.7			436.8			447.9	849	925	930	938	1047	980	871
2820	201.0	218.5	431.9	197.0	210.6			436.7	193.6	212.4	447.9	945	953	997	970	944	955	935
2821	200.8	218.4	431.8	196.9	210.5			436.7			448.0	892	925	1039	970	944	955	903
2822	200.8	218.3	431.9	196.7	210.4			436.6			447.9	867	889	972	960	962	937	921
2823	200.7	218.1	431.8	196.7	210.2			436.7			447.9	849	925	976	988	1001	934	928
2824	200.5	218.0	431.8	196.5	210.1	188.6	120.0	436.7	192.9	212.0	447.8	902	925	1011	963	966	962	928
2825	200.3	217.9	431.8	196.5	209.9			436.7			447.7	895	896	1025	991	926	937	928
2826	200.2	217.8	431.7	196.4	209.9			436.7			447.8	856	903	986	960	966	948	921
2827	200.2	217.6	431.7	196.3	209.8			436.6			447.8	849	910	1018	988	930	873	896
2828	200.1	217.3	431.8	196.2	209.6			436.6	192.6	211.5	447.6	774	786	1043	924	756	695	662
2829	199.9	217.3	431.7	196.0	209.5			436.6			447.7	656	662	997	740	703	863	648
2830	199.9	217.1	431.7	195.9	209.4			436.6			447.7	638	761	1018	942	813	756	768
2831	199.7	217.0	431.7	195.9	209.3			436.6			447.7	642	676	1022	864	767	799	658

	MISP Plug T5			MISP Plug T6					MISP Plug T7			MEADS Pressure Sensors						
	TC#03	TC#09	HEAT#2	TC#20	TC#21	TC#22	TC#23	HEAT#6	TC#06	TC#12	HEAT#3	Press#1	Press#2	Press#3	Press#4	Press#5	Press#7*	Press#6*
	TC1	TC2	HEAT5	TC1	TC2	TC3	TC4	HEAT6	TC1	TC2	HEAT7	P1	P2	P3	P4	P5	P6	P7
n	24366	25397	16305	15275	27458	414642	926825	65039	60917	186947	28489	5152	17336	29519	41703	53886	78253	66070
2832	199.6	216.9	431.7	195.7	209.2	188.0	120.2	436.6	192.1	210.9	447.6	599	570	937	924	617	595	687
2833	199.6	216.7	431.8	195.6	209.2			436.4			447.7	534	623	923	694	649	645	570
2834	199.4	216.6	431.7	195.5	209.1			436.6			447.7	774	712	441	1052	649	588	694
2835	199.2	216.5	431.7	195.4	208.8			436.4			447.7	595	630	887	796	628	556	658
2836	199.0	216.4	431.6	195.2	208.7			436.4	191.6	210.6	447.6	574	573	976	768	685	652	612
2837	198.9	216.3	431.6	195.1	208.7			436.4			447.6	574	566	951	804	664	574	669
2838	198.9	216.3	431.7	195.1	208.6			436.4			447.6	556	580	926	665	639	599	570
2839	198.7	216.1	431.6	194.9	208.5			436.4			447.6	617	644	806	711	543	628	545
2840	198.5	215.9	431.6	195.0	208.3	187.6	120.1	436.4	191.2	210.0	447.6	567	598	816	669	521	546	552
2841	198.6	215.8	431.6	194.7	208.3			436.4			447.6	545	559	845	672	592	613	517
2842	198.4	215.7	431.7	194.7	208.1			436.4			447.6	502	524	870	711	593	496	605
2843	198.2	215.6	431.3	194.5	207.9			436.3			447.6	484	492	870	655	582	581	520
2844	198.3	215.5	431.7	194.5	207.9			436.4	190.7	209.5	447.6	520	545	774	690	525	531	549
2845	198.1	215.3	431.6	194.3	207.6			436.4			447.5	520	548	739	602	248	574	364
2846	197.9	215.3	431.4	194.2	207.6			436.4			447.5	481	641	675	644	504	553	563
2847	197.9	215.2	431.4	194.1	207.5			436.3			447.5	502	541	731	616	546	563	513
2848	197.8	215.0	431.3	194.0	207.4	187.1	120.1	436.4	190.3	209.1	447.5	488	506	756	747	433	542	637
2849	197.7	215.0	431.4	193.9	207.3			436.3			447.5	463	453	809	396	539	585	467
2850	197.6	214.8	431.6	193.9	207.3			436.4			447.5	434	431	777	605	514	499	492
2851	197.5	214.8	431.6	193.8	207.1			436.4			447.5	470	488	650	577	450	481	453
2852	197.4	214.7	431.6	193.6	207.1			436.3	189.7	208.6	447.5	252	612	367	378	376	453	552
2853	197.3	214.5	431.4	193.6	207.0			436.4			447.4	445	467	583	364	408	492	485
2854	197.2	214.4	431.4	193.5	206.9			436.3			447.5	463	449	668	569	472	496	442
2855	197.0	214.2	431.4	193.2	206.7			436.4			447.5	398	378	770	584	429	514	407
2856	196.9	214.1	431.4	193.1	206.6	186.6	120.0	436.4	189.2	208.1	447.3	438	364	710	559	546	489	485
2857	196.8	214.0	431.4	193.0	206.5			436.3			447.3	427	431	675	520	514	478	439
2858	196.7	213.9	431.3	193.0	206.4			436.2			447.3	452	467	618	573	447	449	456
2859	196.6	213.7	431.3	192.8	206.3			436.3			447.3	670	598	714	162	617	531	336
2860	196.5	213.7	431.4	192.7	206.4			436.4	189.0	207.6	447.5	431	460	593	499	358	414	474
2861	196.4	213.5	431.4	192.7	206.2			436.3			447.5	452	442	604	477	429	460	417
2862	196.2	213.5	431.3	192.6	206.0			436.3			447.5	402	396	636	481	429	485	499
2863	196.1	213.2	431.3	192.5	206.0			436.2			447.5	431	392	668	520	415	439	382
2864	196.0	213.1	431.4	192.4	205.9	186.2	119.9	436.3	188.6	207.2	447.5	391	378	583	498	425	399	385
2865	195.9	213.2	431.4	192.4	205.7			436.2			447.3	398	406	600	509	418	424	407
2866	195.9	212.8	431.3	192.3	205.6			436.3			447.3	431	442	537	498	390	403	414
2867	195.7	212.8	431.3	192.1	205.5			436.2			447.3	420	555	345	509	315	460	400
2868	195.6	212.6	431.2	191.9	205.3			436.2	188.2	206.9	447.3	430	396	593	442	379	442	371
2869	195.5	212.6	431.2	191.8	205.2			436.2			447.2	388	399	547	456	418	424	378
2870	195.4	212.4	431.2	191.8	205.0			436.2			447.2	359	371	568	449	450	392	414
2871	195.3	212.3	431.3	191.7	205.0			436.2			447.3	359	346	614	569	212	471	311
2872	195.2	212.2	431.3	191.6	204.9	185.7	120.0	436.2	187.6	206.3	447.4	341	357	537	431	432	403	371
2873	195.0	212.2	431.3	191.4	204.9			436.2			447.4	355	374	526	456	386	399	385
2874	195.0	212.2	431.2	191.4	204.7			436.2			447.2	359	381	335	520	567	364	665
2875	194.9	212.0	431.3	191.3	204.7			436.2			447.2	452	350	494	364	358	364	339
2876	194.8	211.9	431.3	191.1	204.5			436.3	187.3	206.0	447.2	423	357	462	403	368	382	346
2877	194.8	211.8	431.2	191.2	204.5			436.2			447.2	338	357	498	424	390	403	343
2878	194.7	211.7	431.1	191.0	204.4			436.1			447.2	320	342	515	417	415	403	354
2879	194.5	211.5	431.2	190.8	204.2			436.2			447.2	320	406	405	488	383	428	304
2880	194.4	211.3	431.2	190.6	204.1	185.1	119.9	436.2	187.0	205.3	447.2	305	353	533	445	404	382	371
2881	194.3	211.3	431.2	190.6	204.1			436.2			447.2	359	357	498	438	376	382	364
2882	194.2	211.1	431.2	190.5	204.0			436.1			447.2	352	367	469	427	379	385	385
2883	194.1	211.1	431.2	190.4	203.9			436.2			447.1	377	424	405	367	344	435	325
2884	194.1	211.0	431.1	190.2	203.7			436.1	186.4	204.9	447.1	330	389	466	417	329	378	343
2885	194.0	210.9	431.2	190.2	203.6			436.2			447.2	363	378	466	396	351	385	353
2886	193.8	210.8	431.2	190.2	203.6			436.1			447.4	337	353	469	392	386	389	353
2887	193.8	210.7	431.2	190.1	203.5			436.1			447.2	327	342	490	396	383	382	353
2888	193.7	210.7	431.2	190.1	203.4	184.7		436.2	186.1	204.6	447.1	270	328	505	356	383	382	332
2889	193.6	210.4	431.1	189.8	203.2			436.1			447.1	277	310	515	434	376	392	364
2890	193.4	210.3	431.1	189.7	203.1			436.0			447.1	305	335	473	406	365	360	368
2891	193.3	210.3	431.2	189.7	203.0			436.1			447.1	330	353	455	410	361	350	336
2892	193.3	210.1	431.1	189.5	203.0			436.1	185.6		447.1	348	367	444	356	447	325	410

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

1. REPORT DATE *(DD-MM-YYYY)*	2. REPORT TYPE	3. DATES COVERED *(From - To)*
01- 10 - 2014	Technical Memorandum	

4. TITLE AND SUBTITLE

Mars Science Laboratory (MSL) Entry, Descent, and Landing Instrumentation (MEDLI): Complete Flight Data Set

5a. CONTRACT NUMBER

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

6. AUTHOR(S)

Cheatwood, F. McNeil; Bose, Deepak; Karlgaard, Christopher D.; Kuhl, Christopher A.; Santos, Jose A.; Wright, Michael J.

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

757285.01.07.20

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)

NASA Langley Research Center
Hampton, VA 23681-2199

8. PERFORMING ORGANIZATION REPORT NUMBER

L-20458

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

National Aeronautics and Space Administration
Washington, DC 20546-0001

10. SPONSOR/MONITOR'S ACRONYM(S)

NASA

11. SPONSOR/MONITOR'S REPORT NUMBER(S)

NASA/TM-2014-218533

12. DISTRIBUTION/AVAILABILITY STATEMENT

Unclassified - Unlimited
Subject Category 19 Spacecraft Instrumentation and Astronics
Availability: NASA CASI (443) 757-5802

13. SUPPLEMENTARY NOTES

14. ABSTRACT

The Mars Science Laboratory (MSL) entry vehicle (EV) successfully entered the Mars atmosphere and landed the Curiosity rover safely on the surface of the planet in Gale crater on August 6, 2012. MSL carried the MSL Entry, Descent, and Landing (EDL) Instrumentation (MEDLI). MEDLI delivered the first in-depth understanding of the Mars entry environments and the response of the entry vehicle to those environments. MEDLI was comprised of three major subsystems: the Mars Entry Atmospheric Data System (MEADS), the MEDLI Integrated Sensor Plugs (MISP), and the Sensor Support Electronics (SSE). Ultimately, the entire MEDLI sensor suite consisting of both MEADS and MISP provided measurements that were used for trajectory reconstruction and engineering validation of aerodynamic, atmospheric, and thermal protection system (TPS) models in addition to Earth-based systems testing procedures. This report contains in-depth hardware descriptions, performance evaluation, and data information of the three MEDLI subsystems.

15. SUBJECT TERMS

Mars Science Laboratory; MSL; Atmospheric Entry; MSL Entry, Descent, and Landing Instrumentation; MEDLI; Mars Entry Atmospheric Data System; MEADS; MEDLI Integrated Sensor Plugs; MISP; Sensor Support Electronics

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			STI Help Desk (email: help@sti.nasa.gov)
					19b. TELEPHONE NUMBER *(Include area code)*
U	U	U	UU	120	(443) 757-5802