DNP V3.00 Protocol Assignments

For Nexus® 1250, 1260 and 1270 Power Monitors

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DNP V3.00

DEVICE PROFILE DOCUMENT

This document must be accompanied by a table having the following headings:

Object Group Request Function Codes Response Function Codes
Object Variation Request Qualifiers Response Qualifiers
Object Name (optional)

Vendor Name: **Electro Industries/Gaugetech**

Device Name: **Nexus® 1250, 1260 and 1270** Meter

Highest DNP Level Supported:	Device Function:
For Requests **1** For Responses **1**	☐ Master **X** Slave

Notable objects, functions, and/or qualifiers supported in addition to the Highest DNP Levels Supported (the complete list is described in the attached table):

The Nexus® 1250, 1260 and 1270 meters do not support report by exception. Level 1 Certification applies for configurations where the response consists of a single link layer frame. Configurations where the response requires multiple link layer frames, while not supporting report by exception, will still operate successfully with Level 1 Master Stations.

A link layer frame can contain up to 249 bytes of data in the application layer. A typical configuration for the Nexus® 1250, 1260 and 1270 device consists of all One-Second Readings (Object 30, points 30-60), Thermal Averages for Power (Object 30, points 73-84), Fixed Window Averages for Power (Object 30, points 1772-1774) and Primary Accumulations of Energy (Object 30, points 42-61). This typical configuration contains 4 bytes of overhead, 4 object headers at 7 bytes per header and point information in blocks 62, 24, 6 and 80 bytes, for a total of 204 bytes of data in the application layer.

Maximum Data Link Frame Size (octets):	Maximum Application Fragment Size (octets):
Transmitted **292** Received **292**	Transmitted **249** Received **249**

Maximum Data Link Re-tries:	Maximum Application Layer Re-tries:
X None ☐ Fixed at ☐ Configurable, range to	**X** None ☐ Configurable, range to (Fixed is not permitted)

Requires Data Link Layer Confirmation:

X Never
☐ Always
☐ Sometimes If 'Sometimes', when?

_____

☐ Configurable If 'Configurable', how?

_____

Requires Application Layer Confirmation:

☐ Never
X Always (not recommended)
☐ When reporting Event Data (Slave devices only)
☐ When sending multi-fragment responses (Slave devices only)
☐ Sometimes If 'Sometimes', when?

_____

☐ Configurable If 'Configurable', how?

_____

Timeouts while waiting for:

Data Link Confirm
X None ☐ Fixed at ☐ Variable ☐ Configurable
Complete Appl. Fragment
X None ☐ Fixed at ☐ Variable ☐ Configurable
Application Confirm
X None ☐ Fixed at ☐ Variable ☐ Configurable
Complete Appl. Response
X None ☐ Fixed at ☐ Variable ☐ Configurable
Others

Attach explanation if 'Variable' or 'Configurable' was checked for any timeout.

Sends/Executes Control Operations:

WRITE Binary Outputs
X Never ☐ Always ☐ Sometimes ☐ Configurable
SELECT/OPERATE
☐ Never **X** Always ☐ Sometimes ☐ Configurable
DIRECT OPERATE
☐ Never **X** Always ☐ Sometimes ☐ Configurable
DIRECT OPERATE - NO ACK
☐ Never **X** Always ☐ Sometimes ☐ Configurable

Count > 1
X Never ☐ Always ☐ Sometimes ☐ Configurable
Pulse On
X Never ☐ Always ☐ Sometimes ☐ Configurable
Pulse Off
X Never ☐ Always ☐ Sometimes ☐ Configurable
Latch On
☐ Never **X** Always ☐ Sometimes ☐ Configurable
Latch Off
☐ Never **X** Always ☐ Sometimes ☐ Configurable

Queue
X Never ☐ Always ☐ Sometimes ☐ Configurable
Clear Queue
X Never ☐ Always ☐ Sometimes ☐ Configurable

Attach explanation if 'Sometimes' or 'Configurable' was checked for any operation.

FILL OUT THE FOLLOWING ITEM FOR MASTER DEVICES ONLY:

Expects Binary Input Change Events:

☐ Either time-tagged or non-time-tagged for a single event
☐ Both time-tagged and non-time-tagged for a single event
☐ Configurable (attach explanation)

FILL OUT THE FOLLOWING ITEMS FOR SLAVE DEVICES ONLY:	
Reports Binary Input Change Events when no specific variation requested: **X** Never ☐ Only time-tagged ☐ Only non-time-tagged ☐ Configurable to send both, one or the other (attach explanation)	Reports time-tagged Binary Input Change Events when no specific variation requested: **X** Never ☐ Binary Input Change With Time ☐ Binary Input Change With Relative Time ☐ Configurable (attach explanation)
Sends Unsolicited Responses: **X** Never ☐ Configurable (attach explanation) ☐ Only certain objects ☐ Sometimes (attach explanation) ☐ ENABLE/DISABLE UNSOLICITED Function codes supported	Sends Static Data in Unsolicited Responses: **X** Never ☐ When Device Restarts ☐ When Status Flags Change No other options are permitted.
Default Counter Object/Variation: ☐ No Counters Reported ☐ Configurable (attach explanation) **X** Default Object **20** Default Variation **5** ☐ Point-by-point list attached	Counters Roll Over at: ☐ No Counters Reported ☐ Configurable (attach explanation) ☐ 16 Bits ☐ 32 Bits ☐ Other Value _____ **X** Point-by-point list attached
Sends Multi-Fragment Responses: **X** Yes ☐ No	

CHAPTER 2
DNP3 Protocol Primer

In this chapter, you'll find an informative and thorough document that describes DNP for all levels of user. Some of the topics discussed include:

- What is DNP?
- Client-server relationship.
- Common system architectures.
- Data transmission.
- Event classification.
- DNP function.

We hope you'll find the information helpful in your use of DNP.

A DNP3 Protocol Primer

This is a primer for people who want a quick understanding of DNP3 without having to comb through the tedious details of a complex specification.

So let us start with what it is. Protocols define the rules by which devices talk with each other, and DNP3 is a protocol for transmission of data from point A to point B using serial communications. It has been used primarily by utilities like the electric companies, but it operates suitably in other areas.

A typical electric company may have a centralized operations center that monitors the state of all the equipment in each of its substations. In the operations center, a powerful computer stores all of the incoming data and displays the system for the human operators. Substations have many devices that need monitoring (are circuit breakers opened or closed?), current sensors (how much current is flowing?) and voltage transducers (what is the line potential?). That only scratches the surface; a utility is interested in monitoring many parameters, too numerous to discuss here. The operations personnel often need to switch sections of the power grid into or out of service. One or more computers are situated in the substation to collect the data for transmission to the master station in the operations center. The substation computers are also called upon to energize or de-energize the breakers and voltage regulators.

DNP3 provides the rules for substation computers and master station computers to communicate data and control commands. DNP3 is a non-proprietary protocol that is available to anyone. Only a nominal fee is charged for documentation, but otherwise it is available worldwide with no restrictions. This means a utility can purchase master station and substation computing equipment from any manufacturer and be assured that they will reliably talk to each other. Vendors compete based upon their computer equipment's features, costs and quality factors instead of who has the best protocol. Utilities are not stuck with one manufacturer after the initial sale.

What do the computers talk about? The substation computer gathers data for transmission to the master as

1. Binary input data that is useful to monitor two-state devices. For example a circuit breaker is closed or tripped or a pipeline pressure alarm shows normal or excessive.
2. Analog input data that conveys voltages, currents, power, reservoir water levels and temperatures.
3. Count input data that reports kilowatt hours of energy.
4. Files that contain configuration data.

The master station issues control commands that take the form of

1. Close or trip a circuit breaker, raise or lower a gate, and open or close a valve.
2. Analog output values to set a regulated pressure or set a desired voltage level.

Other things the computers talk to each other about are synchronizing the time and date, sending historical or logged data, waveform data, and on and on.

DNP3 was designed to optimize the transmission of data acquisition information and control commands from one computer to another. It is not a general purpose protocol for transmitting hypertext, multimedia or huge files.

The terms server and client are applicable to DNP3 systems. For our purposes, the definition of a server is a device or software process that has data or information that someone else wants. Substation computers are servers. A client is a device or software process that requests data from a server. A master station is a client.

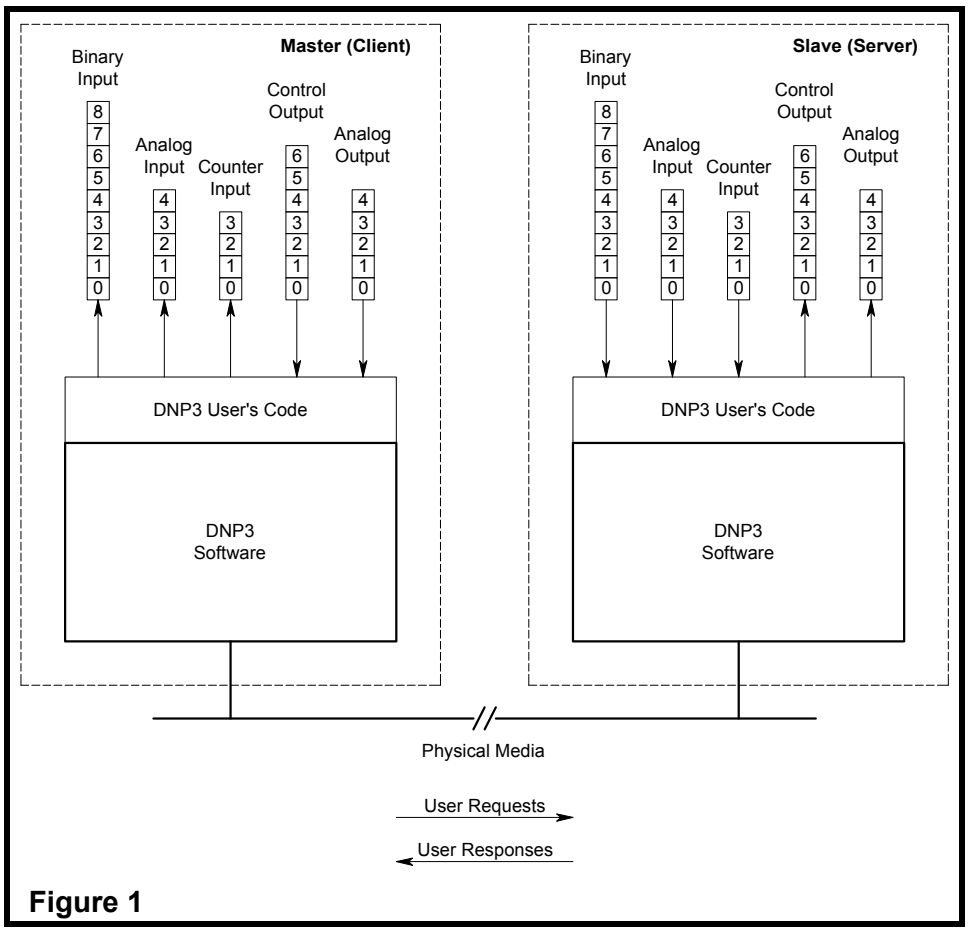

Figure 1

Figure 1 shows the client-server relationship and gives a simplistic view of the databases and software processes involved. The master or client is on the left side of figure 1, and the slave or server is on the right side.

A series of square blocks at the top of the server depicts its databases and output devices. The various data types are conceptually organized as arrays. An array of binary input values represents states of physical or logical boolean devices. Values in the analog input array represent input quantities that the server measured or computed. An array of counters represents count values, such as kilowatt hours, that are ever increasing (until they reach a maximum and then roll over to zero and start counting again.) Control outputs are organized into an array representing physical or logical on-off, raise-lower and trip-close points. Lastly, the array of analog outputs represents physical or logical analog quantities such as those used for setpoints.

The elements of the arrays are labeled 0 through N - 1 where N is the number of blocks shown for the respective data type. In DNP3 terminology, the element numbers are called the point indexes. Indexes are zero-based in DNP3, that is, the lowest element is always identified as zero. Some protocols use 1-based indexing.

Notice that the DNP3 client, or master, also has a similar database for the input data types (binary, analog and counter.) The master, or client, uses values in its database for the specific purposes of displaying system states, closed-loop control, alarm notification, billing, and much, much more. An objective of the client is to keep its database updated. It accomplishes this by sending requests to the server (slave) asking it to return the values in the server's database. This is termed polling. The server responds to the client's request by transmitting the contents of its database. Arrows are drawn at the bottom of figure 1 showing the direction of the requests (toward the server) and the direction of the responses (toward the client.) Later we will discuss systems whereby the slaves transmit responses without being asked.

The client and the server shown in figure 1 each have two software layers. The top layer is the DNP3 user layer. In the client, it is the software that interacts between the database and initiates the requests for the server's data. In the server, it is the software that fetches the requested data from the server's database for responding to client requests. It is interesting to note, that if no physical separation of the client and server existed, eliminating the DNP3 might be possible by connecting these two upper layers together. However, since physical, or possibly logical separation of the client and server exists, DNP3 software is placed at a lower level. The DNP3 user's code uses the DNP3 software for transmission of requests or responses to the matching DNP3 user's code at the other end.

More will be said about data types and software layers later, but first we want to examine a few typical system architectures where DNP3 is used.

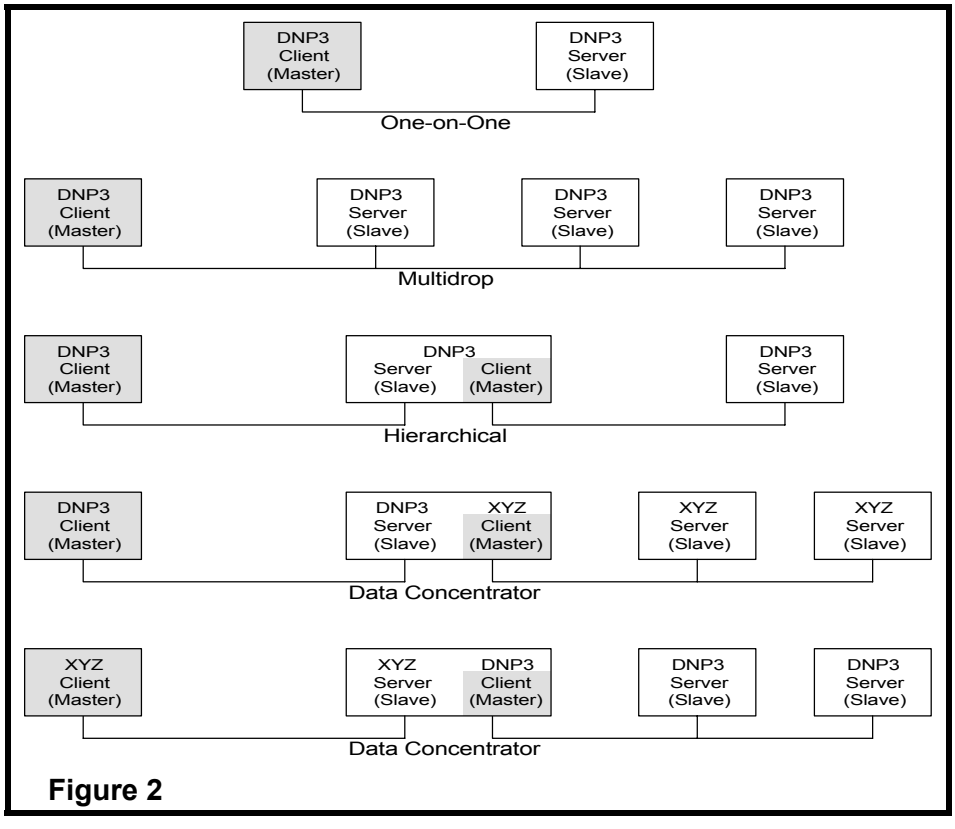

Figure 2

Figure 2 shows common system architectures in use today. At the top is a simple one-on-one system having one master station and one slave. The physical connection between the two is typically a dedicated or dial-up telephone line.

The second type of system is known as a multidrop design. One master station communicates with multiple slave devices. Conversations are typically between the client and one server at a time. The master requests data from the first slave, then moves onto the next slave for its data, and continually interrogates each slave in a round robin order. The communication media is a multi-dropped telephone line, fiber optic cable, or radio. Each slave can hear messages from the master and is only permitted to respond to messages addressed to itself. Slaves may or may not be able to hear each other.

In some multidrop forms, communications are peer-to-peer. A station may operate as a client for gathering information or sending commands to the server in another station. And then, it may change roles to become a server to another station.

The middle row in figure 2 shows a hierarchical type system where the device in the middle is a server to the client at the left and is a client with respect to the server on the right. The middle device is often termed a sub-master.

Both lines at the bottom of figure 2 show data concentrator applications and protocol converters. A device may gather data from multiple servers on the right side of the figure and store this data in its database where it is retrievable by a master station client on the left side of the figure. This design is often seen in substations where the data concentrator collects information from local intelligent devices for transmission to the master station.

In recent years, several vendors have used TCP/IP to transport DNP3 messages in lieu of the media discussed above. Link layer frames, which we have not talked about yet, are embedded into TCP/IP packets. This approach has enabled DNP3 to take advantage of Internet technology and permitted economical data collection and control between widely separated devices.

Many communication circuits between the devices are imperfect. They are susceptible to noise and signal distortion.

The DNP3 software is layered to provide reliable data transmission and to effect an organized approach to the transmission of data and commands. Figure 3 shows the layering that was not shown in figure 1.

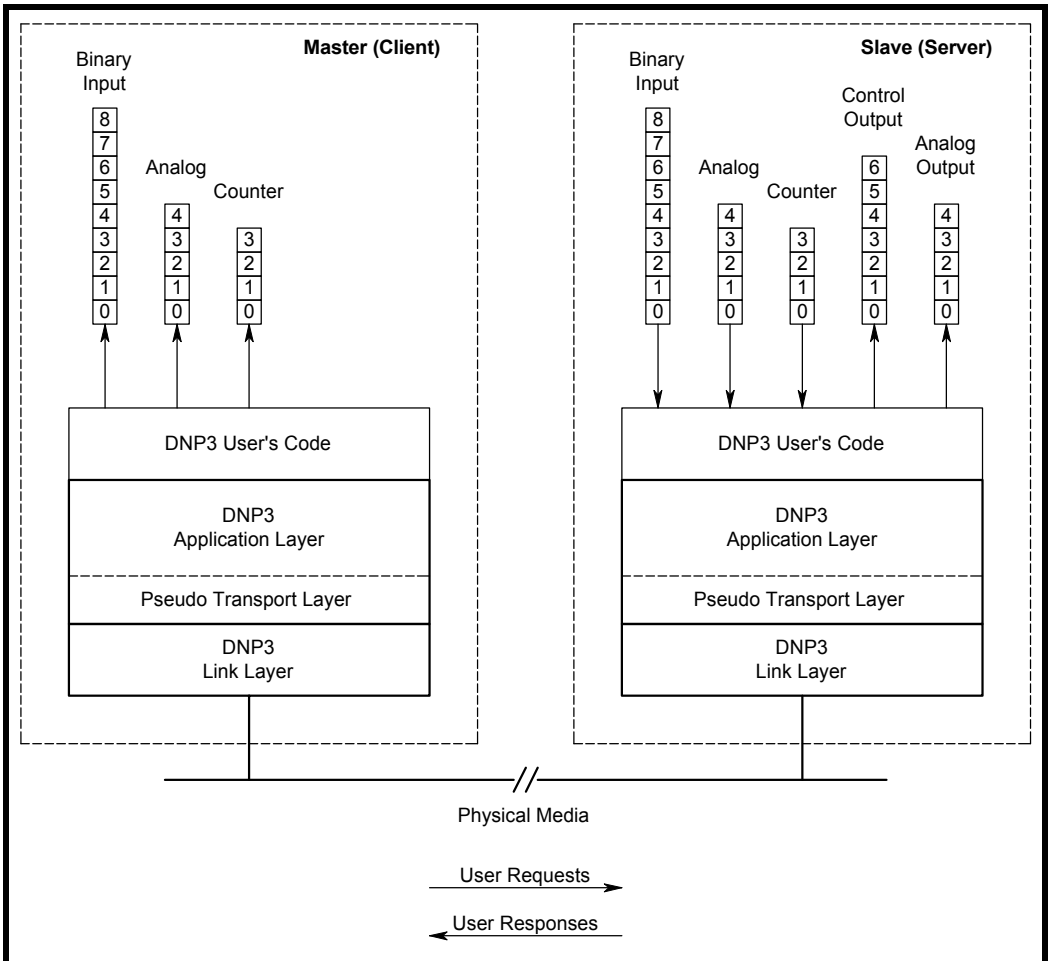

Figure 3

The link layer has the responsibility of making the physical link reliable. It does this by providing error detection and duplicate frame detection. The link layer sends and receives packets, which in DNP3 terminology, are called frames.

Sometimes transmission of more than one frame is necessary to transport all of the information from one device to another.

A DNP3 frame consists of a header and data section. The header specifies the frame size, which DNP3 station should receive the frame, which DNP3 device sent the frame and data link control information. The data section is commonly called the payload and contains the data passed down from the layers above.

DNP3 Frame

Header	Data

Header

Sync	Length	Link Control	Destination Address	Source Address	CRC

Every frame begins with two sync bytes that help the receivers determine where the frame begins. The length specifies the number of octets in the remainder of the frame, not including CRC check octets. The link control octet is used between sending and receiving link layers to coordinate their activities.

A destination address specifies which DNP3 device should process the data, and the source address identifies which DNP3 device sent the message. Having both destination and source addresses satisfies at least one requirement for peer-to-peer communications because the receiver knows where to direct its responses. 65520 individual addresses are available. Every DNP3 device must have a unique address within the collection of devices sending and receiving messages to and from each other. Three destination addresses are reserved by DNP3 to denote an all-call message; that is, the frame should be processed by all DNP3 devices. Thirteen addresses are reserved for special needs in the future.

The data payload in the link frame contains a pair of CRC octets for every 16 data octets. This provides a high degree of assurance that communication errors can be detected. The maximum number of octets in the data payload is 250, not including CRC octets. (The longest link layer frame is 292 octets if all the CRC and header octets are counted.)

One often hears the term “link layer confirmation” when DNP3 is discussed. A feature of DNP3's link layer is the ability for the transmitter of the frame to request the receiver to confirm that the frame arrived. Using this feature is optional, and it is often not employed. It provides an extra degree of assurance of reliable communications. If a confirmation is not received, the link layer may retry the transmission. Some disadvantages are the extra time required for confirmation messages and waiting for multiple timeouts when retries are configured.

It is the responsibility of the transport layer to break long messages into smaller frames sized for the link layer to transmit, or when receiving, to reassemble frames into the longer messages. In DNP3 the transport layer is incorporated into the application layer. The transport layer requires only a single octet within the message to do its work. Therefore, since the link layer can handle only 250 data octets, and one of those is used for the transport function, then each link layer frame can hold as many as 249 application layer octets.

Application layer messages are broken into fragments. Fragment size is determined by the size of the receiving device’s buffer. It normally falls between 2048 and 4096 bytes. A message that is larger than a one fragment requires multiple fragments. Fragmenting messages is the responsibility of the application layer.

Note that an application layer fragment of size 2048 must be broken into 9 frames by the transport layer, and a fragment size of 4096 needs 17 frames. Interestingly, it has been learned by experience that communications are sometimes more successful for systems operating in high noise environments if the fragment size is significantly reduced.

The application layer works together with the transport and link layers to enable reliable communications. It provides standardized functions and data formatting with which the user layer above can interact. Before functions, data objects and variations can be discussed, the terms static, events and classes need to be covered.

In DNP3, the term static is used with data and refers to the current value. Thus static binary input data refers to the present on or off state of a bi-state device. Static analog input data contains the value of an analog at the instant it is transmitted. One possibility DNP3 allows is requesting some or all of the static data in a slave device.

DNP3 events are associated with something significant happening. Examples are state changes, values exceeding some threshold, snapshots of varying data, transient data and newly available information. An event occurs when a binary input changes from an on to an off state or when an analog value changes by more than its configured deadband limit. DNP3 provides the ability to report events with and without time stamps so that the client can generate a time sequence report.

The user layer can direct DNP3 to request events. Usually, a client is updated more rapidly if it mostly polls for events from the server and only occasionally asks for static data as an integrity measure. The reason updates are faster is because the number of events generated between server interrogations is small and, therefore, less data must be returned to the client.

DNP3 goes a step further by classifying events into three classes. When DNP3 was conceived, class 1 events were considered as having higher priority than class 2 events, and class 2 were higher than class 3 events. While that scheme can be still be configured, some DNP3 users have developed other strategies more favorable to their operation for assigning events into the classes. The user layer can request the application layer to poll for class 1, 2 or 3 events or any combination of them.

DNP3 has provisions for representing data in different formats. Examination of analog data formats is helpful to understand the flexibility of DNP3. Static, current value, analog data can be represented by variation numbers as follows:

1. A 32-bit integer value with flag,
2. A 16-bit integer value with flag,
3. A 32-bit integer value,
4. A 16-bit integer value,
5. A 32-bit floating point value with flag and
6. A 64-bit floating point value with flag.

   The flag referred to is a single octet with bit fields indicating whether the source is on-line, value contains a restart value, communications are lost with the source, the data is forced and the value is over range.

Not all DNP3 devices can transmit or interpret all six variations. Later, DNP3 levels are discussed, but for now, suffice it to say that DNP3 devices must be able to transmit the simplest variations so that any receiver can interpret the contents.

Event analog data can be represented by these variations:

1. A 32-bit integer value with flag,
2. A 16-bit integer value with flag,
3. A 32-bit integer value with flag and event time,
4. A 16-bit integer value with flag and event time,
5. A 32-bit floating point value with flag,
6. A 64-bit floating point value with flag,
7. A 32-bit floating point value with flag and event time and
8. A 32-bit floating point value with flag and event time.

   The flag has the same bit fields as for the static variations.

It looks like a variation one or two analog event cannot be differentiated from a variation one or two static analog value. DNP3 solves this predicament by assigning object numbers. Static analog values are assigned as object 30, and event analog values are assigned as object 32. Static analog values, object 30, can be formatted in one of 6 variations, and event analog values, object 32, can be formatted in one of 8 variations.

When a DNP3 server transmits a message containing response data, the message identifies the object number and variation of every value within the message. Object and variation numbers are also assigned for counters, binary inputs, controls and analog outputs. In fact, all valid data types and formats in DNP3 are identified by object and variation numbers. Defining the allowable objects and variations helps DNP3 assure interoperability between devices. DNP3's basic documentation contains a library of valid objects and their variations.

The client's user layer formulates its request for data from the server by telling the application layer what function to perform, like reading, and specifying which objects it wants from the server. The request can specify how many objects it wants or it can specify specific objects or a range of objects from index number X through index number Y. The application layer then passes the request down through the transport layer to the link layer that, in turn, sends the message to the server. The link layer at the server checks the frames for errors and passes them up to the transport layer where the complete message is assembled in the server's application layer. The application layer then tells the user layer which objects and variations were requested.

Responses work similarly, in that, the server's user layer fetches the desired data and presents it to the application layer that formats the data into objects and variations. Data is then passed downward, across the communication channel and upward to the client's application layer. Here the data objects are presented to the user layer in a form that is native to the client's database.

Reading data was mentioned in the above two paragraphs, but DNP3 software is designed to handle other functions. For one the client can set the time in the server. The client can transmit freeze accumulator requests, and it can transmit requests for control operations and setting of analog output values using select-before-operate or direct-operate sequences.

One area that has not been covered yet is transmission of unsolicited messages. This is a mode of operating where the server spontaneously transmits a response, possibly containing data, without having received a specific request for the data. Not all servers have this capability, but those that do must be configured to operate in this mode. This mode is useful when the system has many slaves and the master requires notification as soon as possible after a change occurs. Rather than waiting for a master station polling cycle to get around to it, the slave simply transmits the change.

To configure a system for unsolicited messages, a few basics need to be considered. First, spontaneous transmissions should generally occur infrequently, otherwise, too much contention can occur, and controlling media access via master station polling would be better. The second basic issue is that the server should have some way of knowing whether it can transmit without stepping on someone else's message in progress. DNP3 leaves specification of algorithms to the system implementor.

One last area of discussion involves implementation levels. The DNP3 organization recognizes that supporting every feature of DNP3 is not necessary for every device. Some devices are limited in memory and speed and do not need specific features, while other devices must have the more advanced features to accomplish their task. DNP3 organizes complexity into three levels. At the lowest level, level 1, only very basic functions must be provided and all others are optional. Level 2 handles more functions, objects and variations, and level 3 is even more sophisticated. Within each level only certain combinations of request formats and response formats are required. This was done to limit software code in clients and servers while still assuring interoperability.

It should be apparent by now that DNP3 is a protocol that fits well into the data acquisition world. It transports data as generic values, it has a rich set of functions, and it was designed to work in a wide area communications network. The standardized approach of objects and variations, and link, transport and application layers, plus public availability makes DNP3 a protocol to be regarded.

CHAPTER 3
Implementation Table

OBJECT			REQUEST		RESPONSE	
Obj	**Var**	**Description**	**Func Codes (dec)**	**Qual Codes (hex)**	**Func Codes (dec)**	**Qual Codes (hex)**
1	0	Binary Input - All Variations				
1	1	Binary Input			129	01
1	2	Binary Input with Status				
2	0	Binary Input Change - All Variations				
2	1	Binary Input Change without Time				
2	2	Binary Input Change with Time				
2	3	Binary Input Change with Relative Time				
10	0	Binary Output - All Variations				
10	1	Binary Output			129	01
10	2	Binary Output Status				
12	0	Control Block - All Variations				
12	1	Control Relay Output Block	3, 4, 5, 6	17	129	echo of request
12	2	Pattern Control Block				
12	3	Pattern Mask				
20	0	Binary Counter - All Variations				
20	1	32-Bit Binary Counter				
20	2	16-Bit Binary Counter				
20	3	32-Bit Delta Counter				
20	4	16-Bit Delta Counter				
20	5	32-Bit Binary Counter without Flag			129	01
20	6	16-Bit Binary Counter without Flag				
20	7	32-Bit Delta Counter without Flag				
20	8	16-Bit Delta Counter without Flag				
21	0	Frozen Counter - All Variations				
21	1	32-Bit Frozen Counter				
21	2	16-Bit Frozen Counter				
21	3	32-Bit Frozen Delta Counter				
21	4	16-Bit Frozen Delta Counter				
21	5	32-Bit Frozen Counter with Time of Freeze				
21	6	16-Bit Frozen Counter with Time of Freeze				

OBJECT			REQUEST		RESPONSE	
Obj	**Var**	**Description**	**Func Codes (dec)**	**Qual Codes (hex)**	**Func Codes (dec)**	**Qual Codes (hex)**
21	7	32-Bit Frozen Delta Counter with Time of Freeze				
21	8	16-Bit Frozen Delta Counter with Time of Freeze				
21	9	32-Bit Frozen Counter without Flag				
21	10	16-Bit Frozen Counter without Flag				
21	11	32-Bit Frozen Delta Counter without Flag				
21	12	16-Bit Frozen Delta Counter without Flag				
22	0	Counter Change Event - All Variations				
22	1	32-Bit Counter Change Event without Time				
22	2	16-Bit Counter Change Event without Time				
22	3	32-Bit Delta Counter Change Event without Time				
22	4	16-Bit Delta Counter Change Event without Time				
22	5	32-Bit Counter Change Event with Time				
22	6	16-Bit Counter Change Event with Time				
22	7	32-Bit Delta Counter Change Event with Time				
22	8	16-Bit Delta Counter Change Event with Time				
23	0	Frozen Counter Event - All Variations				
23	1	32-Bit Frozen Counter Event without Time				
23	2	16-Bit Frozen Counter Event without Time				
23	3	32-Bit Frozen Delta Counter Event without Time				
23	4	16-Bit Frozen Delta Counter Event without Time				
23	5	32-Bit Frozen Counter Event with Time				
23	6	16-Bit Frozen Counter Event with Time				
23	7	32-Bit Frozen Delta Counter Event with Time				
23	8	16-Bit Frozen Delta Counter Event with Time				
30	0	Analog Input - All Variations				
30	1	32-Bit Analog Input				
30	2	16-Bit Analog Input				
30	3	32-Bit Analog Input without Flag				
30	4	16-Bit Analog Input without Flag			129	01
31	0	Frozen Analog Input - All Variations				

OBJECT			REQUEST		RESPONSE	
Obj	Var	Description	Func Codes (dec)	Qual Codes (hex)	Func Codes (dec)	Qual Codes (hex)
31	1	32-Bit Frozen Analog Input				
31	2	16-Bit Frozen Analog Input				
31	3	32-Bit Frozen Analog Input with Time of Freeze				
31	4	16-Bit Frozen Analog Input with Time of Freeze				
31	5	32-Bit Frozen Analog Input without Flag				
31	6	16-Bit Frozen Analog Input without Flag				
32	0	Analog Change Event - All Variations				
32	1	32-Bit Analog Change Event without Time				
32	2	16-Bit Analog Change Event without Time				
32	3	32-Bit Analog Change Event with Time				
32	4	16-Bit Analog Change Event with Time				
33	0	Frozen Analog Event - All Variations				
33	1	32-Bit Frozen Analog Event without Time				
33	2	16-Bit Frozen Analog Event without Time				
33	3	32-Bit Frozen Analog Event with Time				
33	4	16-Bit Frozen Analog Event with Time				
40	0	Analog Output Status - All Variations				
40	1	32-Bit Analog Output Status				
40	2	16-Bit Analog Output Status				
41	0	Analog Output Block - All Variations				
41	1	32-Bit Analog Output Block				
41	2	16-Bit Analog Output Block				
50	0	Time and Date - All Variations				
50	1	Time and Date			129	01
50	2	Time and Date with Interval				
51	0	Time and Date CTO - All Variations				
51	1	Time and Date CTO				
51	2	Unsynchronized Time and Date CTO				
52	0	Time Delay - All Variations				
52	1	Time Delay Coarse				
52	2	Time Delay Fine				
60	0					

OBJECT			REQUEST		RESPONSE	
Obj	**Var**	**Description**	**Func Codes (dec)**	**Qual Codes (hex)**	**Func Codes (dec)**	**Qual Codes (hex)**
60	1	Class 0 Data	1	06		
60	2	Class 1 Data	1	06		
60	3	Class 2 Data	1	06		
60	4	Class 3 Data	1	06		
70	1	File Identifier				
80	1	Internal Indications	2	00 index=7		
81	1	Storage Object				
82	1	Device Profile				
83	1	Private Registration Object				
83	2	Private Registration Object Descriptor				
90	1	Application Identifier				
100	1	Short Floating Point				
100	2	Long Floating Point				
100	3	Extended Floating Point				
101	1	Small Packed Binary-Coded Decimal				
101	2	Medium Packed Binary-Coded Decimal				
101	3	Large Packed Binary-Coded Decimal				
		No object				

CHAPTER 4
Object List

Object	Variation	Points
1- Binary Input	1- Single Bit Binary Input	488
10- Binary Output	1- Binary Output	24
20- Binary Counter	5- 32-Bit Binary Counter without Flag	866
30- Analog Input	4- 16-Bit Analog Input without Flag	2097
50- Time and Date	1- Time and Date	326

Obj	Var	Index	Line	Description	Range	Units	Type
Real Time Block							
50	1	0	6	On Time	12/31/9999 23:59:59.999	1 msec	
50	1	1	7	Current Time	12/31/9999 23:59:59.999	1 msec	
30	4	0	8	Current Day of the Week	Monday - Sunday		F1
1 Cycle Block							
50	1	2	9	1 cycle Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
1	1	0	16	Internal Inputs - High Speed Sampling - Delta - Input 8			F2
1	1	1	16	Internal Inputs - High Speed Sampling - Delta - Input 7			F2
1	1	2	16	Internal Inputs - High Speed Sampling - Delta - Input 6			F2
1	1	3	16	Internal Inputs - High Speed Sampling - Delta - Input 5			F2
1	1	4	16	Internal Inputs - High Speed Sampling - Delta - Input 4			F2
1	1	5	16	Internal Inputs - High Speed Sampling - Delta - Input 3			F2
1	1	6	16	Internal Inputs - High Speed Sampling - Delta - Input 2			F2
1	1	7	16	Internal Inputs - High Speed Sampling - Delta - Input 1			F2
1	1	8	16	Internal Inputs - High Speed Sampling - Current State - Input 8			F3
1	1	9	16	Internal Inputs - High Speed Sampling - Current State - Input 7			F3
1	1	10	16	Internal Inputs - High Speed Sampling - Current State - Input 6			F3
1	1	11	16	Internal Inputs - High Speed Sampling - Current State - Input 5			F3
1	1	12	16	Internal Inputs - High Speed Sampling - Current State - Input 4			F3
1	1	13	16	Internal Inputs - High Speed Sampling - Current State - Input 3			F3
1	1	14	16	Internal Inputs - High Speed Sampling - Current State - Input 2			F3
1	1	15	16	Internal Inputs - High Speed Sampling - Current State - Input 1			F3
Tenth Second Block							
50	1	3	17	Tenth second Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	3	1	18	Tenth second Phase A-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	2	18	Tenth second Phase B-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	3	18	Tenth second Phase C-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	4	19	Tenth second Auxiliary Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	5	20	Tenth second Phase A Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	6	20	Tenth second Phase B Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	7	20	Tenth second Phase C Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	8	21	Tenth second Measured Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	9	22	Tenth second Phase A-B Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	10	22	Tenth second Phase B-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	11	22	Tenth second Phase A-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	12	23	Tenth second Phase A VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	13	23	Tenth second Phase B VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	14	23	Tenth second Phase C VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	15	24	Tenth second Three Phase VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	16	25	Tenth second Phase A VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	17	25	Tenth second Phase B VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	18	25	Tenth second Phase C VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	19	26	Tenth second Three Phase VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	20	27	Tenth second Phase A Watts	+32768 W / -32768 W	1 W sec	F4
30	3	21	27	Tenth second Phase B Watts	+32768 W / -32768 W	1 W sec	F4
30	3	22	27	Tenth second Phase C Watts	+32768 W / -32768 W	1 W sec	F4
30	3	23	28	Tenth second Three Phase Watts	+32768 W / -32768 W	1 W sec	F4
30	3	24	29	Tenth second Frequency	+3276.8 Hz / 0.0 Hz	0.1 Hz	F4
30	4	25	30	Tenth second Phase A Power Factor	3.999 / 0.000	0.001 PF	F5
30	4	26	30	Tenth second Phase B Power Factor	3.999 / 0.000	0.001 PF	F5
30	4	27	30	Tenth second Phase C Power Factor	3.999 / 0.000	0.001 PF	F5
30	4	28	31	Tenth second Three Phase Power Factor	3.999 / 0.000	0.001 PF	F5
30	4	29	32	Tenth second Phase A-N Voltage to Auxiliary Voltage Phase Angle	+ 180 / - 180	0.01 degree	F6
One Second Block							
50	0	4	33	One second Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	3	30	34	One second Phase A-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	31	34	One second Phase B-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	32	34	One second Phase C-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	33	35	One second Auxiliary Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	34	36	One second Phase A Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	35	36	One second Phase B Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	36	36	One second Phase C Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	37	37	One second Measured Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	38	38	One second Calculated Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	39	39	One second Phase A-B Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	40	39	One second Phase B-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	41	39	One second Phase C-A Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	42	40	One second Phase A VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	43	40	One second Phase B VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	44	40	One second Phase C VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	45	41	One second VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	46	42	One second Phase A VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	47	42	One second Phase B VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	48	42	One second Phase C VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	49	43	One second Three VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	50	44	One second Phase A Watts	+32768 W / -32768 W	1 W sec	F4
30	3	51	44	One second Phase B Watts	+32768 W / -32768 W	1 W sec	F4
30	3	52	44	One second Phase C Watts	+32768 W / -32768 W	1 W sec	F4
30	3	53	45	One second Watts	+32768 W / -32768 W	1 W sec	F4
30	3	54	46	One second Frequency	+3276.8 Hz / 0.0 Hz	0.1 Hz	F4
30	4	55	47	One second Phase A Power Factor	3.999 / 0	0.001 PF	F5
30	4	56	47	One second Phase B Power Factor	3.999 / 0	0.001 PF	F5
30	4	57	47	One second Phase C Power Factor	3.999 / 0	0.001 PF	F5
30	4	58	48	One second Three Phase Power Factor	3.999 / 0	0.001 PF	F5
30	4	59	49	One second Voltage Imbalance	+327% / -327%	0.01%	F7
30	4	60	49	One second Current Imbalance	+327% / -327%	0.01%	F7
Thermal Average Block							
50	1	5	50	Thermal Average Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	3	61	51	Thermal Average Phase A-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	62	51	Thermal Average Phase B-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	63	51	Thermal Average Phase C-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	64	52	Thermal Average Auxiliary Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	65	53	Thermal Average Phase A Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	66	53	Thermal Average Phase B Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	67	53	Thermal Average Phase C Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	68	54	Thermal Average Measured Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	69	55	Thermal Average Calculated Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	70	56	Thermal Average Phase A-B Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	71	56	Thermal Average Phase B-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	72	56	Thermal Average Phase C-A Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	73	57	Thermal Average Phase A VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	74	57	Thermal Average Phase B VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	75	57	Thermal Average Phase C VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	76	58	Thermal Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	77	59	Thermal Average Phase A VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	78	59	Thermal Average Phase B VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	79	58	Thermal Average Phase C VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	80	60	Thermal Average VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	81	61	Thermal Average Phase A Watts	+32768 W / -32768 W	1 W sec	F4
30	3	82	61	Thermal Average Phase B Watts	+32768 W / -32768 W	1 W sec	F4
30	3	83	61	Thermal Average Phase C Watts	+32768 W / -32768 W	1 W sec	F4
30	3	84	62	Thermal Average Watts	+32768 W / -32768 W	1 W sec	F4
30	3	85	63	Thermal Average Frequency	+3276.8 Hz / 0.0 Hz	0.1 Hz	F4
30	4	86	64	Thermal Average Phase A Power Factor	3.999 / 0	0.001 PF	F5
30	4	87	64	Thermal Average Phase B Power Factor	3.999 / 0	0.001 PF	F5
30	4	88	64	Thermal Average Phase C Power Factor	3.999 / 0	0.001 PF	F5
30	4	89	65	Thermal Average Power Factor	3.999 / 0	0.001 PF	F5
30	4	90	66	Thermal Average Voltage Imbalance	+327% / -327%	0.01%	F7
30	4	91	66	Thermal Average Current Imbalance	+327% / -327%	0.01%	F7
Maximum Block							
50	1	6	67	Maximum Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	3	92	68	Maximum Thermal Average Phase A-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	93	68	Maximum Thermal Average Phase B-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	94	68	Maximum Thermal Average Phase C-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	95	69	Maximum Thermal Average Auxiliary Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	96	70	Maximum Thermal Average Phase A Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	97	70	Maximum Thermal Average Phase B Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	98	70	Maximum Thermal Average Phase C Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	99	71	Maximum Thermal Average Measured Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	100	72	Maximum Thermal Average Calculated Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	101	73	Maximum Thermal Average Phase A-B Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	102	73	Maximum Thermal Average Phase B-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	103	73	Maximum Thermal Average Phase C-A Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	104	74	Maximum Thermal Average Phase A VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	105	74	Maximum Thermal Average Phase B VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	106	74	Maximum Thermal Average Phase C VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	107	75	Maximum Thermal Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	108	76	Maximum Thermal Average Phase A Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	109	76	Maximum Thermal Average Phase B Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	110	76	Maximum Thermal Average Phase C Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	111	77	Maximum Thermal Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	112	78	Maximum Thermal Average Phase A Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	113	78	Maximum Thermal Average Phase B Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	114	78	Maximum Thermal Average Phase C Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	115	79	Maximum Thermal Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	116	80	Maximum Thermal Average Phase A Watts Positive	+32768 W / 0 W	1 W sec	F4
30	3	117	80	Maximum Thermal Average Phase B Watts Positive	+32768 W / 0 W	1 W sec	F4
30	3	118	80	Maximum Thermal Average Phase C Watts Positive	+32768 W / 0 W	1 W sec	F4
30	3	119	81	Maximum Thermal Average Positive Watts	+32768 W / 0 W	1 W sec	F4
30	3	120	82	Maximum Thermal Average Phase A Watts Negative	0 W / -32768 W	1 W sec	F4
30	3	121	82	Maximum Thermal Average Phase B Watts Negative	0 W / -32768 W	1 W sec	F4
30	3	122	82	Maximum Thermal Average Phase C Watts Negative	0 W / -32768 W	1 W sec	F4
30	3	123	83	Maximum Thermal Average Negative Watts	0 W / -32768 W	1 W sec	F4
30	3	124	84	Maximum Thermal Average Frequency	+3276.8 Hz / 0.0 Hz	0.1 Hz	F4
30	4	125	85	Maximum Thermal Average Phase A Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	126	85	Maximum Thermal Average Phase B Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	127	85	Maximum Thermal Average Phase C Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	128	86	Maximum Thermal Average Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	129	87	Maximum Thermal Average Phase A Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	130	87	Maximum Thermal Average Phase B Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	131	87	Maximum Thermal Average Phase C Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	132	88	Maximum Thermal Average Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	133	89	Maximum Thermal Average Phase A Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	134	89	Maximum Thermal Average Phase B Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	135	89	Maximum Thermal Average Phase C Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	136	90	Maximum Thermal Average Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	137	91	Maximum Thermal Average Phase A Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	138	91	Maximum Thermal Average Phase B Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	139	91	Maximum Thermal Average Phase C Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	140	92	Maximum Thermal Average Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	141	93	Maximum Thermal Average Voltage Imbalance	+327% / -327%	0.01%	F7
30	4	142	93	Maximum Thermal Average Current Imbalance	+327% / -327%	0.01%	F7
30	4	143	94	Maximum THD Phase A-N / A-B Voltage	+327% / -327%	0.01%	F7
30	4	144	94	Maximum THD Phase B-N / B-C Voltage	+327% / -327%	0.01%	F7
30	4	145	94	Maximum THD Phase C-N / C-A Voltage	+327% / -327%	0.01%	F7
30	4	146	95	Maximum THD Phase A Current	+327% / -327%	0.01%	F7
30	4	147	95	Maximum THD Phase B Current	+327% / -327%	0.01%	F7
30	4	148	95	Maximum THD Phase C Current	+327% / -327%	0.01%	F7
30	4	149	96	Maximum K-Factor Phase A Current	+327% / -327%	0.01%	F7
30	4	150	96	Maximum K-Factor Phase B Current	+327% / -327%	0.01%	F7
30	4	151	96	Maximum K-Factor Phase C Current	+327% / -327%	0.01%	F7
30	3	152	97	Coincident Thermal Average VAR for Maximum Positive Watt	+32768 VAR / -32768 VAR	1 W sec	F4
30	3	153	97	Coincident Thermal Average VAR for Maximum Negative Watt	+32768 VAR / -32768 VAR	1 W sec	F4
Minimum Block							
50	1	7	98	Minimum Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	3	154	99	Minimum Thermal Average Phase A-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	155	99	Minimum Thermal Average Phase B-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	156	99	Minimum Thermal Average Phase C-N Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	157	100	Minimum Thermal Average Auxiliary Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	158	101	Minimum Thermal Average Phase A Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	159	101	Minimum Thermal Average Phase B Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	160	101	Minimum Thermal Average Phase C Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	161	102	Minimum Thermal Average Measured Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	162	103	Minimum Thermal Average Calculated Neutral Current	+32.768 A / 0.000 A	0.001 A sec	F4
30	3	163	104	Minimum Thermal Average Phase A-B Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	164	104	Minimum Thermal Average Phase B-C Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	165	104	Minimum Thermal Average Phase C-A Voltage	+3276.8 V / 0.0 V	0.1 V sec	F4
30	3	166	105	Minimum Thermal Average Phase A VA	+32768 VA / 0 VA	1 VA sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	167	105	Minimum Thermal Average Phase B VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	168	105	Minimum Thermal Average Phase C VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	169	106	Minimum Thermal Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	170	107	Minimum Thermal Average Phase A Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	171	107	Minimum Thermal Average Phase B Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	172	107	Minimum Thermal Average Phase C Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	173	108	Minimum Thermal Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	174	109	Minimum Thermal Average Phase A Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	175	109	Minimum Thermal Average Phase B Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	176	109	Minimum Thermal Average Phase C Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	177	110	Minimum Thermal Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	178	111	Minimum Thermal Average Phase A Positive Watts	+32768 W / 0 W	1 W sec	F4
30	3	179	111	Minimum Thermal Average Phase B Positive Watts	+32768 W / 0 W	1 W sec	F4
30	3	180	111	Minimum Thermal Average Phase C Positive Watts	+32768 W / 0 W	1 W sec	F4
30	3	181	112	Minimum Thermal Average Positive Watts	+32768 W / 0 W	1 W sec	F4
30	3	182	113	Minimum Thermal Average Phase A Negative Watts	0 W / -32768 W	1 W sec	F4
30	3	183	113	Minimum Thermal Average Phase B Negative Watts	0 W / -32768 W	1 W sec	F4
30	3	184	113	Minimum Thermal Average Phase C Negative Watts	0 W / -32768 W	1 W sec	F4
30	3	185	114	Minimum Thermal Average Negative Watts	0 W / -32768 W	1 W sec	F4
30	3	186	115	Minimum Thermal Average Frequency	+3276.8 Hz / 0.0 Hz	0.1 Hz	F4
30	4	187	116	Minimum Thermal Average Phase A Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	188	116	Minimum Thermal Average Phase B Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	189	116	Minimum Thermal Average Phase C Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	190	117	Minimum Thermal Average Power Factor Quadrant 1	0.999 / 0	0.001 PF	F5
30	4	191	118	Minimum Thermal Average Phase A Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	192	118	Minimum Thermal Average Phase B Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	193	118	Minimum Thermal Average Phase C Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	194	119	Minimum Thermal Average Power Factor Quadrant 2	3.999 / 3.000	0.001 PF	F5
30	4	195	120	Minimum Thermal Average Phase A Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	196	120	Minimum Thermal Average Phase B Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	197	120	Minimum Thermal Average Phase C Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	198	121	Minimum Thermal Average Power Factor Quadrant 3	2.999 / 2.000	0.001 PF	F5
30	4	199	122	Minimum Thermal Average Phase A Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	200	122	Minimum Thermal Average Phase B Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	201	122	Minimum Thermal Average Phase C Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	202	123	Minimum Thermal Average Power Factor Quadrant 4	1.999 / 1.000	0.001 PF	F5
30	4	203	124	Minimum Thermal Average Voltage Imbalance	+327% / -327%	0.01%	F7
30	4	204	124	Minimum Thermal Average Current Imbalance	+327% / -327%	0.01%	F7
30	4	205	125	Minimum THD Phase A-N Voltage / Phase A-B Voltage	+327% / -327%	0.01%	F7
30	4	206	125	Minimum THD Phase B-N Voltage / Phase B-C Voltage	+327% / -327%	0.01%	F7
30	4	207	125	Minimum THD Phase C-N Voltage / Phase C-A Voltage	+327% / -327%	0.01%	F7
30	4	208	126	Minimum THD Phase A Current	+327% / -327%	0.01%	F7
30	4	209	126	Minimum THD Phase B Current	+327% / -327%	0.01%	F7
30	4	210	126	Minimum THD Phase C Current	+327% / -327%	0.01%	F7
30	4	211	127	Minimum K-Factor Phase A Current	+327% / -327%	0.01%	F7
30	4	212	127	Minimum K-Factor Phase B Current	+327% / -327%	0.01%	F7
30	4	213	127	Minimum K-Factor Phase C Current	+327% / -327%	0.01%	F7
30	3	214	128	Coincident Thermal Average VAR for Minimum Positive Watt	+32768 VAR / -32768 VAR	1 W sec	F4
30	3	215	128	Coincident Thermal Average VAR for Minimum Negative Watt	+32768 VAR / -32768 VAR	1 W sec	F4
Maximum Time Stamp Block							
50	1	8	129	Maximum Thermal Average Phase A-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	9	129	Maximum Thermal Average Phase B-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	10	129	Maximum Thermal Average Phase C-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	11	129	Maximum Thermal Average Auxiliary Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	12	129	Maximum Thermal Average Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	13	129	Maximum Thermal Average Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	14	129	Maximum Thermal Average Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	15	129	Maximum Thermal Average Measured Neutral Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	16	129	Maximum Thermal Average Calculated Neutral Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	17	129	Maximum Thermal Average Phase A-B Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	18	129	Maximum Thermal Average Phase B-C Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	19	129	Maximum Thermal Average Phase C-A Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	20	129	Maximum Thermal Average Phase A VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	21	129	Maximum Thermal Average Phase B VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	22	129	Maximum Thermal Average Phase C VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	23	129	Maximum Thermal Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	24	129	Maximum Thermal Average Phase A Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	25	129	Maximum Thermal Average Phase B Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	26	129	Maximum Thermal Average Phase C Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	27	129	Maximum Thermal Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	28	129	Maximum Thermal Average Phase A Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	29	129	Maximum Thermal Average Phase B Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	30	129	Maximum Thermal Average Phase C Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	31	129	Maximum Thermal Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	32	129	Maximum Thermal Average Phase A Watts Positive Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	33	129	Maximum Thermal Average Phase B Watts Positive Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	34	129	Maximum Thermal Average Phase C Watts Positive Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	35	129	Maximum Thermal Average Positive Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	36	129	Maximum Thermal Average Phase A Watts Negative Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	37	129	Maximum Thermal Average Phase B Watts Negative Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	38	129	Maximum Thermal Average Phase C Watts Negative Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	39	129	Maximum Thermal Average Negative Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	40	129	Maximum Thermal Average Frequency Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	41	129	Maximum Thermal Average Phase A Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	42	129	Maximum Thermal Average Phase B Power Factor Quadrant 1	12/31/9999 23:59:59.999	1 msec	
50	1	43	129	Maximum Thermal Average Phase C Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	44	129	Maximum Thermal Average Power Factor Quadrant 1	12/31/9999 23:59:59.999	1 msec	
50	1	45	129	Maximum Thermal Average Phase A Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	46	129	Maximum Thermal Average Phase B Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	47	129	Maximum Thermal Average Phase C Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	48	129	Maximum Thermal Average Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	49	129	Maximum Thermal Average Phase A Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	50	129	Maximum Thermal Average Phase B Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	51	129	Maximum Thermal Average Phase C Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	52	129	Maximum Thermal Average Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	53	129	Maximum Thermal Average Phase A Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	54	129	Maximum Thermal Average Phase B Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	55	129	Maximum Thermal Average Phase C Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	56	129	Maximum Thermal Average Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	57	129	Maximum Thermal Average Voltage Imbalance Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	58	129	Maximum Thermal Average Current Imbalance Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	59	129	Maximum THD Phase A-N / A-B Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	60	129	Maximum THD Phase B-N / B-C Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	61	129	Maximum THD Phase C-N / C-A Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	62	129	Maximum THD Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	63	129	Maximum THD Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	64	129	Maximum THD Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	65	129	Maximum K-Factor Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	66	129	Maximum K-Factor Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	67	129	Maximum K-Factor Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
Minimum Time Stamp Block							
50	1	68	130	Minimum Thermal Average Phase A-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	69	130	Minimum Thermal Average Phase B-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	70	130	Minimum Thermal Average Phase C-N Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	71	130	Minimum Thermal Average Auxiliary Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	72	130	Minimum Thermal Average Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	73	130	Minimum Thermal Average Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	74	130	Minimum Thermal Average Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	75	130	Minimum Thermal Average Measured Neutral Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	76	130	Minimum Thermal Average Calculated Neutral Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	77	130	Minimum Thermal Average Phase A-B Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	78	130	Minimum Thermal Average Phase B-C Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	79	130	Minimum Thermal Average Phase C-A Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	80	130	Minimum Thermal Average Phase A VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	81	130	Minimum Thermal Average Phase B VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	82	130	Minimum Thermal Average Phase C VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	83	130	Minimum Thermal Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	84	130	Minimum Thermal Average Phase A Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	85	130	Minimum Thermal Average Phase B Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	86	130	Minimum Thermal Average Phase C Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	87	130	Minimum Thermal Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	88	130	Minimum Thermal Average Phase A Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	89	130	Minimum Thermal Average Phase B Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	90	130	Minimum Thermal Average Phase C Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	91	130	Minimum Thermal Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	92	130	Minimum Thermal Average Phase A Positive Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	93	130	Minimum Thermal Average Phase B Positive Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	94	130	Minimum Thermal Average Phase C Positive Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	95	130	Minimum Thermal Average Positive Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	96	130	Minimum Thermal Average Phase A Negative Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	97	130	Minimum Thermal Average Phase B Negative Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	98	130	Minimum Thermal Average Phase C Negative Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	99	130	Minimum Thermal Average Negative Watts Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	100	130	Minimum Thermal Average Frequency Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	101	130	Minimum Thermal Average Phase A Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	102	130	Minimum Thermal Average Phase B Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	103	130	Minimum Thermal Average Phase C Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	104	130	Minimum Thermal Average Power Factor Quadrant 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	105	130	Minimum Thermal Average Phase A Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	106	130	Minimum Thermal Average Phase B Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	107	130	Minimum Thermal Average Phase C Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	108	130	Minimum Thermal Average Power Factor Quadrant 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	109	130	Minimum Thermal Average Phase A Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	110	130	Minimum Thermal Average Phase B Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	111	130	Minimum Thermal Average Phase C Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	112	130	Minimum Thermal Average Power Factor Quadrant 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	113	130	Minimum Thermal Average Phase A Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	114	130	Minimum Thermal Average Phase B Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	115	130	Minimum Thermal Average Phase C Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	116	130	Minimum Thermal Average Power Factor Quadrant 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	117	130	Minimum Thermal Average Voltage Imbalance Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	118	130	Minimum Thermal Average Current Imbalance Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	119	130	Minimum THD Phase A-N Voltage / Phase A-B Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	120	130	Minimum THD Phase B-N Voltage / Phase B-C Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	121	130	Minimum THD Phase C-N Voltage / Phase C-A Voltage Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	122	130	Minimum THD Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	123	130	Minimum THD Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	124	130	Minimum THD Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	125	130	Minimum K-Factor Phase A Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	126	130	Minimum K-Factor Phase B Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	127	130	Minimum K-Factor Phase C Current Time Stamp	12/31/9999 23:59:59.999	1 msec	
Energy Block (Secondary)							
50	1	128	131	Energy Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
20	5	0	133	VAhour	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F8
20	5	1	133	VAhour	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F8
20	5	2	133	Positive VARhour	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F8
20	5	3	133	Positive VARhour	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F8
20	5	4	133	Negative VARhour	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F8
20	5	5	133	Negative VARhour	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F8
20	5	6	133	Positive Watthour	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F8
20	5	7	133	Positive Watthour	+4,294,967,295 W_H / 0 W_H	1 W_H	F8
20	5	8	133	Negative Watthour	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F8
20	5	9	133	Negative Watthour	0 W_H / -4,294,967,295 W_H	1 W_H	F8
Harmonic Magnitude Block							
30	4	216	134	Phase A-N / Phase A-B Voltage 0^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	217	134	Phase A-N / Phase A-B Voltage 1^{st} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	218	134	Phase A-N / Phase A-B Voltage 2^{nd} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	219	134	Phase A-N / Phase A-B Voltage 3^{rd} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	220	134	Phase A-N / Phase A-B Voltage 4^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	221	134	Phase A-N / Phase A-B Voltage 5^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	222	134	Phase A-N / Phase A-B Voltage 6^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	223	134	Phase A-N / Phase A-B Voltage 7^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	224	135	Phase A-N / Phase A-B Voltage 8^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	225	135	Phase A-N / Phase A-B Voltage 9^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	226	135	Phase A-N / Phase A-B Voltage 10^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	227	135	Phase A-N / Phase A-B Voltage 11^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	228	135	Phase A-N / Phase A-B Voltage 12^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	229	135	Phase A-N / Phase A-B Voltage 13^{th} Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	230	135	Phase A-N / Phase A-B Voltage 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	231	135	Phase A-N / Phase A-B Voltage 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	232	136	Phase A-N / Phase A-B Voltage 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	233	136	Phase A-N / Phase A-B Voltage 17th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	234	136	Phase A-N / Phase A-B Voltage 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	235	136	Phase A-N / Phase A-B Voltage 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	236	136	Phase A-N / Phase A-B Voltage 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	237	136	Phase A-N / Phase A-B Voltage 21st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	238	136	Phase A-N / Phase A-B Voltage 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	239	136	Phase A-N / Phase A-B Voltage 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	240	136	Phase A-N / Phase A-B Voltage 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	241	136	Phase A-N / Phase A-B Voltage 25th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	242	136	Phase A-N / Phase A-B Voltage 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	243	136	Phase A-N / Phase A-B Voltage 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	244	136	Phase A-N / Phase A-B Voltage 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	245	136	Phase A-N / Phase A-B Voltage 29th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	246	136	Phase A-N / Phase A-B Voltage 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	247	136	Phase A-N / Phase A-B Voltage 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	248	137	Phase A-N / Phase A-B Voltage 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	249	137	Phase A-N / Phase A-B Voltage 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	250	137	Phase A-N / Phase A-B Voltage 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	251	137	Phase A-N / Phase A-B Voltage 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	252	137	Phase A-N / Phase A-B Voltage 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	253	137	Phase A-N / Phase A-B Voltage 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	254	137	Phase A-N / Phase A-B Voltage 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	255	137	Phase A-N / Phase A-B Voltage 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	256	137	Phase A-N / Phase A-B Voltage 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	257	137	Phase A-N / Phase A-B Voltage 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	258	137	Phase A-N / Phase A-B Voltage 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	259	137	Phase A-N / Phase A-B Voltage 43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	260	137	Phase A-N / Phase A-B Voltage 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	261	137	Phase A-N / Phase A-B Voltage 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	262	137	Phase A-N / Phase A-B Voltage 46th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	263	137	Phase A-N / Phase A-B Voltage 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	264	137	Phase A-N / Phase A-B Voltage 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	265	137	Phase A-N / Phase A-B Voltage 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	266	137	Phase A-N / Phase A-B Voltage 50th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	267	137	Phase A-N / Phase A-B Voltage 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	268	137	Phase A-N / Phase A-B Voltage 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	269	137	Phase A-N / Phase A-B Voltage 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	270	137	Phase A-N / Phase A-B Voltage 54th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	271	137	Phase A-N / Phase A-B Voltage 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	272	137	Phase A-N / Phase A-B Voltage 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	273	137	Phase A-N / Phase A-B Voltage 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	274	137	Phase A-N / Phase A-B Voltage 58th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	275	137	Phase A-N / Phase A-B Voltage 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	276	137	Phase A-N / Phase A-B Voltage 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	277	137	Phase A-N / Phase A-B Voltage 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	278	137	Phase A-N / Phase A-B Voltage 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	279	137	Phase A-N / Phase A-B Voltage 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	280	138	Phase A-N / Phase A-B Voltage 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	281	138	Phase A-N / Phase A-B Voltage 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	282	138	Phase A-N / Phase A-B Voltage 66th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	283	138	Phase A-N / Phase A-B Voltage 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	284	138	Phase A-N / Phase A-B Voltage 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	285	138	Phase A-N / Phase A-B Voltage 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	286	138	Phase A-N / Phase A-B Voltage 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	287	138	Phase A-N / Phase A-B Voltage 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	288	138	Phase A-N / Phase A-B Voltage 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	289	138	Phase A-N / Phase A-B Voltage 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	290	138	Phase A-N / Phase A-B Voltage 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	291	138	Phase A-N / Phase A-B Voltage 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	292	138	Phase A-N / Phase A-B Voltage 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	293	138	Phase A-N / Phase A-B Voltage 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	294	138	Phase A-N / Phase A-B Voltage 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	295	138	Phase A-N / Phase A-B Voltage 79th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	296	138	Phase A-N / Phase A-B Voltage 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	297	138	Phase A-N / Phase A-B Voltage 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	298	138	Phase A-N / Phase A-B Voltage 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	299	138	Phase A-N / Phase A-B Voltage 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	300	138	Phase A-N / Phase A-B Voltage 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	301	138	Phase A-N / Phase A-B Voltage 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	302	138	Phase A-N / Phase A-B Voltage 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	303	138	Phase A-N / Phase A-B Voltage 87th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	304	138	Phase A-N / Phase A-B Voltage 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	305	138	Phase A-N / Phase A-B Voltage 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	306	138	Phase A-N / Phase A-B Voltage 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	307	138	Phase A-N / Phase A-B Voltage 91st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	308	138	Phase A-N / Phase A-B Voltage 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	309	138	Phase A-N / Phase A-B Voltage 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	310	138	Phase A-N / Phase A-B Voltage 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	311	138	Phase A-N / Phase A-B Voltage 95th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	312	138	Phase A-N / Phase A-B Voltage 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	313	138	Phase A-N / Phase A-B Voltage 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	314	138	Phase A-N / Phase A-B Voltage 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	315	138	Phase A-N / Phase A-B Voltage 99th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	316	138	Phase A-N / Phase A-B Voltage 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	317	138	Phase A-N / Phase A-B Voltage 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	318	138	Phase A-N / Phase A-B Voltage 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	319	138	Phase A-N / Phase A-B Voltage 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	320	138	Phase A-N / Phase A-B Voltage 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	321	138	Phase A-N / Phase A-B Voltage 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	322	138	Phase A-N / Phase A-B Voltage 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	323	138	Phase A-N / Phase A-B Voltage 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	324	138	Phase A-N / Phase A-B Voltage 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	325	138	Phase A-N / Phase A-B Voltage 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	326	138	Phase A-N / Phase A-B Voltage 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	327	138	Phase A-N / Phase A-B Voltage 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	328	138	Phase A-N / Phase A-B Voltage 112th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	329	138	Phase A-N / Phase A-B Voltage 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	330	138	Phase A-N / Phase A-B Voltage 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	331	138	Phase A-N / Phase A-B Voltage 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	332	138	Phase A-N / Phase A-B Voltage 116th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	333	138	Phase A-N / Phase A-B Voltage 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	334	138	Phase A-N / Phase A-B Voltage 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	335	138	Phase A-N / Phase A-B Voltage 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	336	138	Phase A-N / Phase A-B Voltage 120th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	337	138	Phase A-N / Phase A-B Voltage 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	338	138	Phase A-N / Phase A-B Voltage 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	339	138	Phase A-N / Phase A-B Voltage 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	340	138	Phase A-N / Phase A-B Voltage 124th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	341	138	Phase A-N / Phase A-B Voltage 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	342	138	Phase A-N / Phase A-B Voltage 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	343	138	Phase A-N / Phase A-B Voltage 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	344	139	Phase B-N / Phase B-C Voltage 0th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	345	139	Phase B-N / Phase B-C Voltage 1st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	346	139	Phase B-N / Phase B-C Voltage 2nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	347	139	Phase B-N / Phase B-C Voltage 3rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	348	139	Phase B-N / Phase B-C Voltage 4th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	349	139	Phase B-N / Phase B-C Voltage 5th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	350	139	Phase B-N / Phase B-C Voltage 6th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	351	139	Phase B-N / Phase B-C Voltage 7th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	352	140	Phase B-N / Phase B-C Voltage 8th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	353	140	Phase B-N / Phase B-C Voltage 9th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	354	140	Phase B-N / Phase B-C Voltage 10th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	355	140	Phase B-N / Phase B-C Voltage 11th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	356	140	Phase B-N / Phase B-C Voltage 12th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	357	140	Phase B-N / Phase B-C Voltage 13th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	358	140	Phase B-N / Phase B-C Voltage 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	359	140	Phase B-N / Phase B-C Voltage 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	360	141	Phase B-N / Phase B-C Voltage 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	361	141	Phase B-N / Phase B-C Voltage 17th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	362	141	Phase B-N / Phase B-C Voltage 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	363	141	Phase B-N / Phase B-C Voltage 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	364	141	Phase B-N / Phase B-C Voltage 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	365	141	Phase B-N / Phase B-C Voltage 21st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	366	141	Phase B-N / Phase B-C Voltage 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	367	141	Phase B-N / Phase B-C Voltage 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	368	141	Phase B-N / Phase B-C Voltage 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	369	141	Phase B-N / Phase B-C Voltage 25th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	370	141	Phase B-N / Phase B-C Voltage 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	371	141	Phase B-N / Phase B-C Voltage 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	372	141	Phase B-N / Phase B-C Voltage 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	373	141	Phase B-N / Phase B-C Voltage 29th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	374	141	Phase B-N / Phase B-C Voltage 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	375	141	Phase B-N / Phase B-C Voltage 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	376	142	Phase B-N / Phase B-C Voltage 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	377	142	Phase B-N / Phase B-C Voltage 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	378	142	Phase B-N / Phase B-C Voltage 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	379	142	Phase B-N / Phase B-C Voltage 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	380	142	Phase B-N / Phase B-C Voltage 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	381	142	Phase B-N / Phase B-C Voltage 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	382	142	Phase B-N / Phase B-C Voltage 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	383	142	Phase B-N / Phase B-C Voltage 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	384	142	Phase B-N / Phase B-C Voltage 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	385	142	Phase B-N / Phase B-C Voltage 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	386	142	Phase B-N / Phase B-C Voltage 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	387	142	Phase B-N / Phase B-C Voltage 43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	388	142	Phase B-N / Phase B-C Voltage 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	389	142	Phase B-N / Phase B-C Voltage 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	390	142	Phase B-N / Phase B-C Voltage 46th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	391	142	Phase B-N / Phase B-C Voltage 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	392	142	Phase B-N / Phase B-C Voltage 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	393	142	Phase B-N / Phase B-C Voltage 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	394	142	Phase B-N / Phase B-C Voltage 50th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	395	142	Phase B-N / Phase B-C Voltage 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	396	142	Phase B-N / Phase B-C Voltage 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	397	142	Phase B-N / Phase B-C Voltage 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	398	142	Phase B-N / Phase B-C Voltage 54th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	399	142	Phase B-N / Phase B-C Voltage 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	400	142	Phase B-N / Phase B-C Voltage 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	401	142	Phase B-N / Phase B-C Voltage 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	402	142	Phase B-N / Phase B-C Voltage 58th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	403	142	Phase B-N / Phase B-C Voltage 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	404	142	Phase B-N / Phase B-C Voltage 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	405	142	Phase B-N / Phase B-C Voltage 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	406	142	Phase B-N / Phase B-C Voltage 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	407	142	Phase B-N / Phase B-C Voltage 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	408	143	Phase B-N / Phase B-C Voltage 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	409	143	Phase B-N / Phase B-C Voltage 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	410	143	Phase B-N / Phase B-C Voltage 66th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	411	143	Phase B-N / Phase B-C Voltage 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	412	143	Phase B-N / Phase B-C Voltage 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	413	143	Phase B-N / Phase B-C Voltage 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	414	143	Phase B-N / Phase B-C Voltage 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	415	143	Phase B-N / Phase B-C Voltage 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	416	143	Phase B-N / Phase B-C Voltage 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	417	143	Phase B-N / Phase B-C Voltage 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	418	143	Phase B-N / Phase B-C Voltage 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	419	143	Phase B-N / Phase B-C Voltage 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	420	143	Phase B-N / Phase B-C Voltage 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	421	143	Phase B-N / Phase B-C Voltage 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	422	143	Phase B-N / Phase B-C Voltage 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	423	143	Phase B-N / Phase B-C Voltage 79th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	424	143	Phase B-N / Phase B-C Voltage 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	425	143	Phase B-N / Phase B-C Voltage 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	426	143	Phase B-N / Phase B-C Voltage 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	427	143	Phase B-N / Phase B-C Voltage 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	428	143	Phase B-N / Phase B-C Voltage 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	429	143	Phase B-N / Phase B-C Voltage 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	430	143	Phase B-N / Phase B-C Voltage 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	431	143	Phase B-N / Phase B-C Voltage 87th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	432	143	Phase B-N / Phase B-C Voltage 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	433	143	Phase B-N / Phase B-C Voltage 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	434	143	Phase B-N / Phase B-C Voltage 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	435	143	Phase B-N / Phase B-C Voltage 91st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	436	143	Phase B-N / Phase B-C Voltage 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	437	143	Phase B-N / Phase B-C Voltage 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	438	143	Phase B-N / Phase B-C Voltage 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	439	143	Phase B-N / Phase B-C Voltage 95th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	440	143	Phase B-N / Phase B-C Voltage 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	441	143	Phase B-N / Phase B-C Voltage 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	442	143	Phase B-N / Phase B-C Voltage 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	443	143	Phase B-N / Phase B-C Voltage 99th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	444	143	Phase B-N / Phase B-C Voltage 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	445	143	Phase B-N / Phase B-C Voltage 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	446	143	Phase B-N / Phase B-C Voltage 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	447	143	Phase B-N / Phase B-C Voltage 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	448	143	Phase B-N / Phase B-C Voltage 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	449	143	Phase B-N / Phase B-C Voltage 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	450	143	Phase B-N / Phase B-C Voltage 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	451	143	Phase B-N / Phase B-C Voltage 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	452	143	Phase B-N / Phase B-C Voltage 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	453	143	Phase B-N / Phase B-C Voltage 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	454	143	Phase B-N / Phase B-C Voltage 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	455	143	Phase B-N / Phase B-C Voltage 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	456	143	Phase B-N / Phase B-C Voltage 112th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	457	143	Phase B-N / Phase B-C Voltage 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	458	143	Phase B-N / Phase B-C Voltage 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	459	143	Phase B-N / Phase B-C Voltage 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	460	143	Phase B-N / Phase B-C Voltage 116th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	461	143	Phase B-N / Phase B-C Voltage 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	462	143	Phase B-N / Phase B-C Voltage 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	463	143	Phase B-N / Phase B-C Voltage 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	464	143	Phase B-N / Phase B-C Voltage 120th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	465	143	Phase B-N / Phase B-C Voltage 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	466	143	Phase B-N / Phase B-C Voltage 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	467	143	Phase B-N / Phase B-C Voltage 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	468	143	Phase B-N / Phase B-C Voltage 124th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	469	143	Phase B-N / Phase B-C Voltage 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	470	143	Phase B-N / Phase B-C Voltage 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	471	143	Phase B-N / Phase B-C Voltage 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	472	144	Phase C-N / Phase C-A Voltage 0th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	473	144	Phase C-N / Phase C-A Voltage 1st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	474	144	Phase C-N / Phase C-A Voltage 2nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	475	144	Phase C-N / Phase C-A Voltage 3rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	476	144	Phase C-N / Phase C-A Voltage 4th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	477	144	Phase C-N / Phase C-A Voltage 5th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	478	144	Phase C-N / Phase C-A Voltage 6th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	479	144	Phase C-N / Phase C-A Voltage 7th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	480	145	Phase C-N / Phase C-A Voltage 8th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	481	145	Phase C-N / Phase C-A Voltage 9th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	482	145	Phase C-N / Phase C-A Voltage 10th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	483	145	Phase C-N / Phase C-A Voltage 11th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	484	145	Phase C-N / Phase C-A Voltage 12th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	485	145	Phase C-N / Phase C-A Voltage 13th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	486	145	Phase C-N / Phase C-A Voltage 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	487	145	Phase C-N / Phase C-A Voltage 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	488	146	Phase C-N / Phase C-A Voltage 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	489	146	Phase C-N / Phase C-A Voltage 17th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	490	146	Phase C-N / Phase C-A Voltage 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	491	146	Phase C-N / Phase C-A Voltage 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	492	146	Phase C-N / Phase C-A Voltage 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	493	146	Phase C-N / Phase C-A Voltage 21st Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	494	146	Phase C-N / Phase C-A Voltage 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	495	146	Phase C-N / Phase C-A Voltage 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	496	146	Phase C-N / Phase C-A Voltage 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	497	146	Phase C-N / Phase C-A Voltage 25th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	498	146	Phase C-N / Phase C-A Voltage 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	499	146	Phase C-N / Phase C-A Voltage 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	500	146	Phase C-N / Phase C-A Voltage 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	501	146	Phase C-N / Phase C-A Voltage 29th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	502	146	Phase C-N / Phase C-A Voltage 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	503	146	Phase C-N / Phase C-A Voltage 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	504	147	Phase C-N / Phase C-A Voltage 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	505	147	Phase C-N / Phase C-A Voltage 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	506	147	Phase C-N / Phase C-A Voltage 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	507	147	Phase C-N / Phase C-A Voltage 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	508	147	Phase C-N / Phase C-A Voltage 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	509	147	Phase C-N / Phase C-A Voltage 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	510	147	Phase C-N / Phase C-A Voltage 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	511	147	Phase C-N / Phase C-A Voltage 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	512	147	Phase C-N / Phase C-A Voltage 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	513	147	Phase C-N / Phase C-A Voltage 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	514	147	Phase C-N / Phase C-A Voltage 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	515	147	Phase C-N / Phase C-A Voltage 43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	516	147	Phase C-N / Phase C-A Voltage 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	517	147	Phase C-N / Phase C-A Voltage 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	518	147	Phase C-N / Phase C-A Voltage 46th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	519	147	Phase C-N / Phase C-A Voltage 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	520	147	Phase C-N / Phase C-A Voltage 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	521	147	Phase C-N / Phase C-A Voltage 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	522	147	Phase C-N / Phase C-A Voltage 50th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	523	147	Phase C-N / Phase C-A Voltage 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	524	147	Phase C-N / Phase C-A Voltage 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	525	147	Phase C-N / Phase C-A Voltage 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	526	147	Phase C-N / Phase C-A Voltage 54th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	527	147	Phase C-N / Phase C-A Voltage 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	528	147	Phase C-N / Phase C-A Voltage 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	529	147	Phase C-N / Phase C-A Voltage 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	530	147	Phase C-N / Phase C-A Voltage 58th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	531	147	Phase C-N / Phase C-A Voltage 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	532	147	Phase C-N / Phase C-A Voltage 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	533	147	Phase C-N / Phase C-A Voltage 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	534	147	Phase C-N / Phase C-A Voltage 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	535	147	Phase C-N / Phase C-A Voltage 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	536	148	Phase C-N / Phase C-A Voltage 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	537	148	Phase C-N / Phase C-A Voltage 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	538	148	Phase C-N / Phase C-A Voltage 66th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	539	148	Phase C-N / Phase C-A Voltage 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	540	148	Phase C-N / Phase C-A Voltage 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	541	148	Phase C-N / Phase C-A Voltage 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	542	148	Phase C-N / Phase C-A Voltage 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	543	148	Phase C-N / Phase C-A Voltage 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	544	148	Phase C-N / Phase C-A Voltage 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	545	148	Phase C-N / Phase C-A Voltage 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	546	148	Phase C-N / Phase C-A Voltage 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	547	148	Phase C-N / Phase C-A Voltage 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	548	148	Phase C-N / Phase C-A Voltage 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	549	148	Phase C-N / Phase C-A Voltage 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	550	148	Phase C-N / Phase C-A Voltage 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	551	148	Phase C-N / Phase C-A Voltage 79th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	552	148	Phase C-N / Phase C-A Voltage 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	553	148	Phase C-N / Phase C-A Voltage 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	554	148	Phase C-N / Phase C-A Voltage 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	555	148	Phase C-N / Phase C-A Voltage 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	556	148	Phase C-N / Phase C-A Voltage 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	557	148	Phase C-N / Phase C-A Voltage 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	558	148	Phase C-N / Phase C-A Voltage 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	559	148	Phase C-N / Phase C-A Voltage 87th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	560	148	Phase C-N / Phase C-A Voltage 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	561	148	Phase C-N / Phase C-A Voltage 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	562	148	Phase C-N / Phase C-A Voltage 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	563	148	Phase C-N / Phase C-A Voltage 91st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	564	148	Phase C-N / Phase C-A Voltage 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	565	148	Phase C-N / Phase C-A Voltage 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	566	148	Phase C-N / Phase C-A Voltage 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	567	148	Phase C-N / Phase C-A Voltage 95th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	568	148	Phase C-N / Phase C-A Voltage 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	569	148	Phase C-N / Phase C-A Voltage 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	570	148	Phase C-N / Phase C-A Voltage 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	571	148	Phase C-N / Phase C-A Voltage 99th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	572	148	Phase C-N / Phase C-A Voltage 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	573	148	Phase C-N / Phase C-A Voltage 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	574	148	Phase C-N / Phase C-A Voltage 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	575	148	Phase C-N / Phase C-A Voltage 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	576	148	Phase C-N / Phase C-A Voltage 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	577	148	Phase C-N / Phase C-A Voltage 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	578	148	Phase C-N / Phase C-A Voltage 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	579	148	Phase C-N / Phase C-A Voltage 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	580	148	Phase C-N / Phase C-A Voltage 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	581	148	Phase C-N / Phase C-A Voltage 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	582	148	Phase C-N / Phase C-A Voltage 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	583	148	Phase C-N / Phase C-A Voltage 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	584	148	Phase C-N / Phase C-A Voltage 112th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	585	148	Phase C-N / Phase C-A Voltage 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	586	148	Phase C-N / Phase C-A Voltage 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	587	148	Phase C-N / Phase C-A Voltage 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	588	148	Phase C-N / Phase C-A Voltage 116th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	589	148	Phase C-N / Phase C-A Voltage 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	590	148	Phase C-N / Phase C-A Voltage 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	591	148	Phase C-N / Phase C-A Voltage 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	592	148	Phase C-N / Phase C-A Voltage 120th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	593	148	Phase C-N / Phase C-A Voltage 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	594	148	Phase C-N / Phase C-A Voltage 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	595	148	Phase C-N / Phase C-A Voltage 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	596	148	Phase C-N / Phase C-A Voltage 124th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	597	148	Phase C-N / Phase C-A Voltage 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	598	148	Phase C-N / Phase C-A Voltage 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	599	148	Phase C-N / Phase C-A Voltage 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	600	149	Phase A Current 0th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	601	149	Phase A Current 1st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	602	149	Phase A Current 2nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	603	149	Phase A Current 3rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	604	149	Phase A Current 4th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	605	149	Phase A Current 5th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	606	149	Phase A Current 6th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	607	149	Phase A Current 7th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	608	150	Phase A Current 8th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	609	150	Phase A Current 9th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	610	150	Phase A Current 10th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	611	150	Phase A Current 11th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	612	150	Phase A Current 12th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	613	150	Phase A Current 13th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	614	150	Phase A Current 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	615	150	Phase A Current 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	616	151	Phase A Current 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	617	151	Phase A Current 17th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	618	151	Phase A Current 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	619	151	Phase A Current 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	620	151	Phase A Current 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	621	151	Phase A Current 21st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	622	151	Phase A Current 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	623	151	Phase A Current 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	624	151	Phase A Current 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	625	151	Phase A Current 25th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	626	151	Phase A Current 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	627	151	Phase A Current 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	628	151	Phase A Current 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	629	151	Phase A Current 29th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	630	151	Phase A Current 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	631	151	Phase A Current 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	632	152	Phase A Current 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	633	152	Phase A Current 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	634	152	Phase A Current 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	635	152	Phase A Current 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	636	152	Phase A Current 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	637	152	Phase A Current 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	638	152	Phase A Current 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	639	152	Phase A Current 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	640	152	Phase A Current 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	641	152	Phase A Current 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	642	152	Phase A Current 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	643	152	Phase A Current43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	644	152	Phase A Current 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	645	152	Phase A Current 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	646	152	Phase A Current 46th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	647	152	Phase A Current 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	648	152	Phase A Current 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	649	152	Phase A Current 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	650	152	Phase A Current 50th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	651	152	Phase A Current 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	652	152	Phase A Current 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	653	152	Phase A Current 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	654	152	Phase A Current 54th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	655	152	Phase A Current 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	656	152	Phase A Current 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	657	152	Phase A Current 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	658	152	Phase A Current 58th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	659	152	Phase A Current 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	660	152	Phase A Current 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	661	152	Phase A Current 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	662	152	Phase A Current 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	663	152	Phase A Current 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	664	153	Phase A Current 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	665	153	Phase A Current 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	666	153	Phase A Current 66th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	667	153	Phase A Current 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	668	153	Phase A Current 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	669	153	Phase A Current 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	670	153	Phase A Current 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	671	153	Phase A Current 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	672	153	Phase A Current 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	673	153	Phase A Current 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	674	153	Phase A Current 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	675	153	Phase A Current 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	676	153	Phase A Current 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	677	153	Phase A Current 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	678	153	Phase A Current 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	679	153	Phase A Current 79th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	680	153	Phase A Current 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	681	153	Phase A Current 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	682	153	Phase A Current 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	683	153	Phase A Current 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	684	153	Phase A Current 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	685	153	Phase A Current 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	686	153	Phase A Current 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	687	153	Phase A Current 87th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	688	153	Phase A Current 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	689	153	Phase A Current 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	690	153	Phase A Current 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	691	153	Phase A Current 91st Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	692	153	Phase A Current 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	693	153	Phase A Current 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	694	153	Phase A Current 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	695	153	Phase A Current 95th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	696	153	Phase A Current 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	697	153	Phase A Current 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	698	153	Phase A Current 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	699	153	Phase A Current 99th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	700	153	Phase A Current 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	701	153	Phase A Current 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	702	153	Phase A Current 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	703	153	Phase A Current 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	704	153	Phase A Current 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	705	153	Phase A Current 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	706	153	Phase A Current 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	707	153	Phase A Current 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	708	153	Phase A Current 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	709	153	Phase A Current 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	710	153	Phase A Current 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	711	153	Phase A Current 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	712	153	Phase A Current 112th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	713	153	Phase A Current 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	714	153	Phase A Current 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	715	153	Phase A Current 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	716	153	Phase A Current 116th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	717	153	Phase A Current 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	718	153	Phase A Current 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	719	153	Phase A Current 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	720	153	Phase A Current 120th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	721	153	Phase A Current 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	722	153	Phase A Current 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	723	153	Phase A Current 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	724	153	Phase A Current 124th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	725	153	Phase A Current 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	726	153	Phase A Current 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	727	153	Phase A Current 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	728	154	Phase B Current 0th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	729	154	Phase B Current 1st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	730	154	Phase B Current 2nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	731	154	Phase B Current 3rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	732	154	Phase B Current 4th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	733	154	Phase B Current 5th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	734	154	Phase B Current 6th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	735	154	Phase B Current 7th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	736	155	Phase B Current 8th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	737	155	Phase B Current 9th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	738	155	Phase B Current 10th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	739	155	Phase B Current 11th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	740	155	Phase B Current 12th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	741	155	Phase B Current 13th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	742	155	Phase B Current 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	743	155	Phase B Current 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	744	156	Phase B Current 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	745	156	Phase B Current 17th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	746	156	Phase B Current 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	747	156	Phase B Current 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	748	156	Phase B Current 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	749	156	Phase B Current 21st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	750	156	Phase B Current 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	751	156	Phase B Current 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	752	156	Phase B Current 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	753	156	Phase B Current 25th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	754	156	Phase B Current 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	755	156	Phase B Current 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	756	156	Phase B Current 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	757	156	Phase B Current 29th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	758	156	Phase B Current 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	759	156	Phase B Current 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	760	157	Phase B Current 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	761	157	Phase B Current 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	762	157	Phase B Current 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	763	157	Phase B Current 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	764	157	Phase B Current 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	765	157	Phase B Current 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	766	157	Phase B Current 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	767	157	Phase B Current 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	768	157	Phase B Current 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	769	157	Phase B Current 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	770	157	Phase B Current 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	771	157	Phase B Current43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	772	157	Phase B Current 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	773	157	Phase B Current 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	774	157	Phase B Current 46th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	775	157	Phase B Current 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	776	157	Phase B Current 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	777	157	Phase B Current 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	778	157	Phase B Current 50th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	779	157	Phase B Current 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	780	157	Phase B Current 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	781	157	Phase B Current 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	782	157	Phase B Current 54th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	783	157	Phase B Current 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	784	157	Phase B Current 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	785	157	Phase B Current 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	786	157	Phase B Current 58th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	787	157	Phase B Current 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	788	157	Phase B Current 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	789	157	Phase B Current 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	790	157	Phase B Current 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	791	157	Phase B Current 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	792	158	Phase B Current 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	793	158	Phase B Current 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	794	158	Phase B Current 66th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	795	158	Phase B Current 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	796	158	Phase B Current 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	797	158	Phase B Current 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	798	158	Phase B Current 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	799	158	Phase B Current 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	800	158	Phase B Current 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	801	158	Phase B Current 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	802	158	Phase B Current 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	803	158	Phase B Current 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	804	158	Phase B Current 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	805	158	Phase B Current 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	806	158	Phase B Current 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	807	158	Phase B Current 79th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	808	158	Phase B Current 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	809	158	Phase B Current 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	810	158	Phase B Current 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	811	158	Phase B Current 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	812	158	Phase B Current 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	813	158	Phase B Current 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	814	158	Phase B Current 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	815	158	Phase B Current 87th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	816	158	Phase B Current 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	817	158	Phase B Current 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	818	158	Phase B Current 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	819	158	Phase B Current 91st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	820	158	Phase B Current 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	821	158	Phase B Current 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	822	158	Phase B Current 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	823	158	Phase B Current 95th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	824	158	Phase B Current 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	825	158	Phase B Current 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	826	158	Phase B Current 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	827	158	Phase B Current 99th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	828	158	Phase B Current 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	829	158	Phase B Current 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	830	158	Phase B Current 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	831	158	Phase B Current 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	832	158	Phase B Current 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	833	158	Phase B Current 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	834	158	Phase B Current 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	835	158	Phase B Current 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	836	158	Phase B Current 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	837	158	Phase B Current 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	838	158	Phase B Current 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	839	158	Phase B Current 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	840	158	Phase B Current 112th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	841	158	Phase B Current 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	842	158	Phase B Current 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	843	158	Phase B Current 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	844	158	Phase B Current 116th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	845	158	Phase B Current 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	846	158	Phase B Current 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	847	158	Phase B Current 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	848	158	Phase B Current 120th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	849	158	Phase B Current 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	850	158	Phase B Current 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	851	158	Phase B Current 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	852	158	Phase B Current 124th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	853	158	Phase B Current 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	854	158	Phase B Current 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	855	158	Phase B Current 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	856	159	Phase C Current 0th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	857	159	Phase C Current 1st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	858	159	Phase C Current 2nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	859	159	Phase C Current 3rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	860	159	Phase C Current 4th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	861	159	Phase C Current 5th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	862	159	Phase C Current 6th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	863	159	Phase C Current 7th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	864	160	Phase C Current 8th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	865	160	Phase C Current 9th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	866	160	Phase C Current 10th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	867	160	Phase C Current 11th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	868	160	Phase C Current 12th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	869	160	Phase C Current 13th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	870	160	Phase C Current 14th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	871	160	Phase C Current 15th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	872	161	Phase C Current 16th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	873	161	Phase C Current 17th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	874	161	Phase C Current 18th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	875	161	Phase C Current 19th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	876	161	Phase C Current 20th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	877	161	Phase C Current 21st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	878	161	Phase C Current 22nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	879	161	Phase C Current 23rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	880	161	Phase C Current 24th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	881	161	Phase C Current 25th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	882	161	Phase C Current 26th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	883	161	Phase C Current 27th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	884	161	Phase C Current 28th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	885	161	Phase C Current 29th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	886	161	Phase C Current 30th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	887	161	Phase C Current 31st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	888	162	Phase C Current 32nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	889	162	Phase C Current 33rd Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	890	162	Phase C Current 34th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	891	162	Phase C Current 35th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	892	162	Phase C Current 36th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	893	162	Phase C Current 37th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	894	162	Phase C Current 38th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	895	162	Phase C Current 39th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	896	162	Phase C Current 40th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	897	162	Phase C Current 41st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	898	162	Phase C Current 42nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	899	162	Phase C Current43rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	900	162	Phase C Current 44th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	901	162	Phase C Current 45th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	902	162	Phase C Current 46th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	903	162	Phase C Current 47th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	904	162	Phase C Current 48th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	905	162	Phase C Current 49th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	906	162	Phase C Current 50th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	907	162	Phase C Current 51st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	908	162	Phase C Current 52nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	909	162	Phase C Current 53rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	910	162	Phase C Current 54th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	911	162	Phase C Current 55th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	912	162	Phase C Current 56th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	913	162	Phase C Current 57th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	914	162	Phase C Current 58th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	915	162	Phase C Current 59th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	916	162	Phase C Current 60th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	917	162	Phase C Current 61st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	918	162	Phase C Current 62nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	919	162	Phase C Current 63rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	920	163	Phase C Current 64th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	921	163	Phase C Current 65th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	922	163	Phase C Current 66th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	923	163	Phase C Current 67th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	924	163	Phase C Current 68th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	925	163	Phase C Current 69th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	926	163	Phase C Current 70th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	927	163	Phase C Current 71st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	928	163	Phase C Current 72nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	929	163	Phase C Current 73rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	930	163	Phase C Current 74th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	931	163	Phase C Current 75th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	932	163	Phase C Current 76th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	933	163	Phase C Current 77th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	934	163	Phase C Current 78th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	935	163	Phase C Current 79th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	936	163	Phase C Current 80th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	937	163	Phase C Current 81st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	938	163	Phase C Current 82nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	939	163	Phase C Current 83rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	940	163	Phase C Current 84th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	941	163	Phase C Current 85th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	942	163	Phase C Current 86th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	943	163	Phase C Current 87th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	944	163	Phase C Current 88th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	945	163	Phase C Current 89th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	946	163	Phase C Current 90th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	947	163	Phase C Current 91st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	948	163	Phase C Current 92nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	949	163	Phase C Current 93rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	950	163	Phase C Current 94th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	951	163	Phase C Current 95th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	952	163	Phase C Current 96th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	953	163	Phase C Current 97th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	954	163	Phase C Current 98th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	955	163	Phase C Current 99th Harmonic Magnitude	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	956	163	Phase C Current 100th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	957	163	Phase C Current 101st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	958	163	Phase C Current 102nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	959	163	Phase C Current 103rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	960	163	Phase C Current 104th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	961	163	Phase C Current 105th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	962	163	Phase C Current 106th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	963	163	Phase C Current 107th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	964	163	Phase C Current 108th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	965	163	Phase C Current 109th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	966	163	Phase C Current 110th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	967	163	Phase C Current 111th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	968	163	Phase C Current 112th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	969	163	Phase C Current 113th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	970	163	Phase C Current 114th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	971	163	Phase C Current 115th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	972	163	Phase C Current 116th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	973	163	Phase C Current 117th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	974	163	Phase C Current 118th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	975	163	Phase C Current 119th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	976	163	Phase C Current 120th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	977	163	Phase C Current 121st Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	978	163	Phase C Current 122nd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	979	163	Phase C Current 123rd Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	980	163	Phase C Current 124th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	981	163	Phase C Current 125th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	982	163	Phase C Current 126th Harmonic Magnitude	+327% / -327%	0.01%	F7
30	4	983	163	Phase C Current 127th Harmonic Magnitude	+327% / -327%	0.01%	F7
Harmonic Phase Block							
30	4	984	164	Phase A-N / Phase A-B Voltage 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	985	164	Phase A-N / Phase A-B Voltage 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	986	164	Phase A-N / Phase A-B Voltage 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	987	164	Phase A-N / Phase A-B Voltage 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	988	164	Phase A-N / Phase A-B Voltage 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	989	164	Phase A-N / Phase A-B Voltage 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	990	164	Phase A-N / Phase A-B Voltage 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	991	164	Phase A-N / Phase A-B Voltage 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	992	165	Phase A-N / Phase A-B Voltage 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	993	165	Phase A-N / Phase A-B Voltage 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	994	165	Phase A-N / Phase A-B Voltage 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	995	165	Phase A-N / Phase A-B Voltage 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	996	165	Phase A-N / Phase A-B Voltage 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	997	165	Phase A-N / Phase A-B Voltage 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	998	165	Phase A-N / Phase A-B Voltage 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	999	165	Phase A-N / Phase A-B Voltage 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1000	166	Phase A-N / Phase A-B Voltage 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1001	166	Phase A-N / Phase A-B Voltage 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1002	166	Phase A-N / Phase A-B Voltage 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1003	166	Phase A-N / Phase A-B Voltage 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1004	166	Phase A-N / Phase A-B Voltage 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1005	166	Phase A-N / Phase A-B Voltage 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1006	166	Phase A-N / Phase A-B Voltage 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1007	166	Phase A-N / Phase A-B Voltage 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1008	166	Phase A-N / Phase A-B Voltage 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1009	166	Phase A-N / Phase A-B Voltage 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1010	166	Phase A-N / Phase A-B Voltage 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1011	166	Phase A-N / Phase A-B Voltage 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1012	166	Phase A-N / Phase A-B Voltage 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1013	166	Phase A-N / Phase A-B Voltage 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1014	166	Phase A-N / Phase A-B Voltage 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1015	166	Phase A-N / Phase A-B Voltage 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1016	167	Phase A-N / Phase A-B Voltage 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1017	167	Phase A-N / Phase A-B Voltage 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1018	167	Phase A-N / Phase A-B Voltage 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1019	167	Phase A-N / Phase A-B Voltage 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1020	167	Phase A-N / Phase A-B Voltage 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1021	167	Phase A-N / Phase A-B Voltage 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1022	167	Phase A-N / Phase A-B Voltage 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1023	167	Phase A-N / Phase A-B Voltage 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1024	167	Phase A-N / Phase A-B Voltage 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1025	167	Phase A-N / Phase A-B Voltage 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1026	167	Phase A-N / Phase A-B Voltage 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1027	167	Phase A-N / Phase A-B Voltage 43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1028	167	Phase A-N / Phase A-B Voltage 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1029	167	Phase A-N / Phase A-B Voltage 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1030	167	Phase A-N / Phase A-B Voltage 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1031	167	Phase A-N / Phase A-B Voltage 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1032	167	Phase A-N / Phase A-B Voltage 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1033	167	Phase A-N / Phase A-B Voltage 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1034	167	Phase A-N / Phase A-B Voltage 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1035	167	Phase A-N / Phase A-B Voltage 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1036	167	Phase A-N / Phase A-B Voltage 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1037	167	Phase A-N / Phase A-B Voltage 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1038	167	Phase A-N / Phase A-B Voltage 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1039	167	Phase A-N / Phase A-B Voltage 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1040	167	Phase A-N / Phase A-B Voltage 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1041	167	Phase A-N / Phase A-B Voltage 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1042	167	Phase A-N / Phase A-B Voltage 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1043	167	Phase A-N / Phase A-B Voltage 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1044	167	Phase A-N / Phase A-B Voltage 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1045	167	Phase A-N / Phase A-B Voltage 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1046	167	Phase A-N / Phase A-B Voltage 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1047	167	Phase A-N / Phase A-B Voltage 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1048	168	Phase A-N / Phase A-B Voltage 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1049	168	Phase A-N / Phase A-B Voltage 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1050	168	Phase A-N / Phase A-B Voltage 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1051	168	Phase A-N / Phase A-B Voltage 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1052	168	Phase A-N / Phase A-B Voltage 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1053	168	Phase A-N / Phase A-B Voltage 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1054	168	Phase A-N / Phase A-B Voltage 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1055	168	Phase A-N / Phase A-B Voltage 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1056	168	Phase A-N / Phase A-B Voltage 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1057	168	Phase A-N / Phase A-B Voltage 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1058	168	Phase A-N / Phase A-B Voltage 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1059	168	Phase A-N / Phase A-B Voltage 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1060	168	Phase A-N / Phase A-B Voltage 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1061	168	Phase A-N / Phase A-B Voltage 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1062	168	Phase A-N / Phase A-B Voltage 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1063	168	Phase A-N / Phase A-B Voltage 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1064	168	Phase A-N / Phase A-B Voltage 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1065	168	Phase A-N / Phase A-B Voltage 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1066	168	Phase A-N / Phase A-B Voltage 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1067	168	Phase A-N / Phase A-B Voltage 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1068	168	Phase A-N / Phase A-B Voltage 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1069	168	Phase A-N / Phase A-B Voltage 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1070	168	Phase A-N / Phase A-B Voltage 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1071	168	Phase A-N / Phase A-B Voltage 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1072	168	Phase A-N / Phase A-B Voltage 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1073	168	Phase A-N / Phase A-B Voltage 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1074	168	Phase A-N / Phase A-B Voltage 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1075	168	Phase A-N / Phase A-B Voltage 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1076	168	Phase A-N / Phase A-B Voltage 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1077	168	Phase A-N / Phase A-B Voltage 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1078	168	Phase A-N / Phase A-B Voltage 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1079	168	Phase A-N / Phase A-B Voltage 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1080	168	Phase A-N / Phase A-B Voltage 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1081	168	Phase A-N / Phase A-B Voltage 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1082	168	Phase A-N / Phase A-B Voltage 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1083	168	Phase A-N / Phase A-B Voltage 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1084	168	Phase A-N / Phase A-B Voltage 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1085	168	Phase A-N / Phase A-B Voltage 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1086	168	Phase A-N / Phase A-B Voltage 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1087	168	Phase A-N / Phase A-B Voltage 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1088	168	Phase A-N / Phase A-B Voltage 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1089	168	Phase A-N / Phase A-B Voltage 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1090	168	Phase A-N / Phase A-B Voltage 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1091	168	Phase A-N / Phase A-B Voltage 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1092	168	Phase A-N / Phase A-B Voltage 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1093	168	Phase A-N / Phase A-B Voltage 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1094	168	Phase A-N / Phase A-B Voltage 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1095	168	Phase A-N / Phase A-B Voltage 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1096	168	Phase A-N / Phase A-B Voltage 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1097	168	Phase A-N / Phase A-B Voltage 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1098	168	Phase A-N / Phase A-B Voltage 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1099	168	Phase A-N / Phase A-B Voltage 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1100	168	Phase A-N / Phase A-B Voltage 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1101	168	Phase A-N / Phase A-B Voltage 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1102	168	Phase A-N / Phase A-B Voltage 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1103	168	Phase A-N / Phase A-B Voltage 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1104	168	Phase A-N / Phase A-B Voltage 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1105	168	Phase A-N / Phase A-B Voltage 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1106	168	Phase A-N / Phase A-B Voltage 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1107	168	Phase A-N / Phase A-B Voltage 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1108	168	Phase A-N / Phase A-B Voltage 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1109	168	Phase A-N / Phase A-B Voltage 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1110	168	Phase A-N / Phase A-B Voltage 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1111	168	Phase A-N / Phase A-B Voltage 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1112	169	Phase B-N / Phase B-C Voltage 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1113	169	Phase B-N / Phase B-C Voltage 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1114	169	Phase B-N / Phase B-C Voltage 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1115	169	Phase B-N / Phase B-C Voltage 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1116	169	Phase B-N / Phase B-C Voltage 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1117	169	Phase B-N / Phase B-C Voltage 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1118	169	Phase B-N / Phase B-C Voltage 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1119	169	Phase B-N / Phase B-C Voltage 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1120	170	Phase B-N / Phase B-C Voltage 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1121	170	Phase B-N / Phase B-C Voltage 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1122	170	Phase B-N / Phase B-C Voltage 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1123	170	Phase B-N / Phase B-C Voltage 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1124	170	Phase B-N / Phase B-C Voltage 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1125	170	Phase B-N / Phase B-C Voltage 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1126	170	Phase B-N / Phase B-C Voltage 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1127	170	Phase B-N / Phase B-C Voltage 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1128	171	Phase B-N / Phase B-C Voltage 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1129	171	Phase B-N / Phase B-C Voltage 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1130	171	Phase B-N / Phase B-C Voltage 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1131	171	Phase B-N / Phase B-C Voltage 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1132	171	Phase B-N / Phase B-C Voltage 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1133	171	Phase B-N / Phase B-C Voltage 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1134	171	Phase B-N / Phase B-C Voltage 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1135	171	Phase B-N / Phase B-C Voltage 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1136	171	Phase B-N / Phase B-C Voltage 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1137	171	Phase B-N / Phase B-C Voltage 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1138	171	Phase B-N / Phase B-C Voltage 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1139	171	Phase B-N / Phase B-C Voltage 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1140	171	Phase B-N / Phase B-C Voltage 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1141	171	Phase B-N / Phase B-C Voltage 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1142	171	Phase B-N / Phase B-C Voltage 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1143	171	Phase B-N / Phase B-C Voltage 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1144	172	Phase B-N / Phase B-C Voltage 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1145	172	Phase B-N / Phase B-C Voltage 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1146	172	Phase B-N / Phase B-C Voltage 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1147	172	Phase B-N / Phase B-C Voltage 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1148	172	Phase B-N / Phase B-C Voltage 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1149	172	Phase B-N / Phase B-C Voltage 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1150	172	Phase B-N / Phase B-C Voltage 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1151	172	Phase B-N / Phase B-C Voltage 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1152	172	Phase B-N / Phase B-C Voltage 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1153	172	Phase B-N / Phase B-C Voltage 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1154	172	Phase B-N / Phase B-C Voltage 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1155	172	Phase B-N / Phase B-C Voltage 43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1156	172	Phase B-N / Phase B-C Voltage 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1157	172	Phase B-N / Phase B-C Voltage 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1158	172	Phase B-N / Phase B-C Voltage 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1159	172	Phase B-N / Phase B-C Voltage 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1160	172	Phase B-N / Phase B-C Voltage 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1161	172	Phase B-N / Phase B-C Voltage 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1162	172	Phase B-N / Phase B-C Voltage 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1163	172	Phase B-N / Phase B-C Voltage 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1164	172	Phase B-N / Phase B-C Voltage 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1165	172	Phase B-N / Phase B-C Voltage 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1166	172	Phase B-N / Phase B-C Voltage 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1167	172	Phase B-N / Phase B-C Voltage 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1168	172	Phase B-N / Phase B-C Voltage 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1169	172	Phase B-N / Phase B-C Voltage 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1170	172	Phase B-N / Phase B-C Voltage 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1171	172	Phase B-N / Phase B-C Voltage 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1172	172	Phase B-N / Phase B-C Voltage 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1173	172	Phase B-N / Phase B-C Voltage 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1174	172	Phase B-N / Phase B-C Voltage 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1175	172	Phase B-N / Phase B-C Voltage 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1176	173	Phase B-N / Phase B-C Voltage 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1177	173	Phase B-N / Phase B-C Voltage 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1178	173	Phase B-N / Phase B-C Voltage 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1179	173	Phase B-N / Phase B-C Voltage 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1180	173	Phase B-N / Phase B-C Voltage 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1181	173	Phase B-N / Phase B-C Voltage 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1182	173	Phase B-N / Phase B-C Voltage 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1183	173	Phase B-N / Phase B-C Voltage 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1184	173	Phase B-N / Phase B-C Voltage 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1185	173	Phase B-N / Phase B-C Voltage 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1186	173	Phase B-N / Phase B-C Voltage 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1187	173	Phase B-N / Phase B-C Voltage 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1188	173	Phase B-N / Phase B-C Voltage 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1189	173	Phase B-N / Phase B-C Voltage 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1190	173	Phase B-N / Phase B-C Voltage 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1191	173	Phase B-N / Phase B-C Voltage 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1192	173	Phase B-N / Phase B-C Voltage 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1193	173	Phase B-N / Phase B-C Voltage 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1194	173	Phase B-N / Phase B-C Voltage 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1195	173	Phase B-N / Phase B-C Voltage 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1196	173	Phase B-N / Phase B-C Voltage 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1197	173	Phase B-N / Phase B-C Voltage 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1198	173	Phase B-N / Phase B-C Voltage 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1199	173	Phase B-N / Phase B-C Voltage 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1200	173	Phase B-N / Phase B-C Voltage 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1201	173	Phase B-N / Phase B-C Voltage 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1202	173	Phase B-N / Phase B-C Voltage 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1203	173	Phase B-N / Phase B-C Voltage 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1204	173	Phase B-N / Phase B-C Voltage 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1205	173	Phase B-N / Phase B-C Voltage 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1206	173	Phase B-N / Phase B-C Voltage 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1207	173	Phase B-N / Phase B-C Voltage 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1208	173	Phase B-N / Phase B-C Voltage 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1209	173	Phase B-N / Phase B-C Voltage 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1210	173	Phase B-N / Phase B-C Voltage 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1211	173	Phase B-N / Phase B-C Voltage 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1212	173	Phase B-N / Phase B-C Voltage 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1213	173	Phase B-N / Phase B-C Voltage 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1214	173	Phase B-N / Phase B-C Voltage 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1215	173	Phase B-N / Phase B-C Voltage 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1216	173	Phase B-N / Phase B-C Voltage 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1217	173	Phase B-N / Phase B-C Voltage 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1218	173	Phase B-N / Phase B-C Voltage 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1219	173	Phase B-N / Phase B-C Voltage 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1220	173	Phase B-N / Phase B-C Voltage 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1221	173	Phase B-N / Phase B-C Voltage 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1222	173	Phase B-N / Phase B-C Voltage 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1223	173	Phase B-N / Phase B-C Voltage 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1224	173	Phase B-N / Phase B-C Voltage 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1225	173	Phase B-N / Phase B-C Voltage 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1226	173	Phase B-N / Phase B-C Voltage 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1227	173	Phase B-N / Phase B-C Voltage 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1228	173	Phase B-N / Phase B-C Voltage 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1229	173	Phase B-N / Phase B-C Voltage 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1230	173	Phase B-N / Phase B-C Voltage 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1231	173	Phase B-N / Phase B-C Voltage 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1232	173	Phase B-N / Phase B-C Voltage 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1233	173	Phase B-N / Phase B-C Voltage 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1234	173	Phase B-N / Phase B-C Voltage 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1235	173	Phase B-N / Phase B-C Voltage 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1236	173	Phase B-N / Phase B-C Voltage 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1237	173	Phase B-N / Phase B-C Voltage 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1238	173	Phase B-N / Phase B-C Voltage 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1239	173	Phase B-N / Phase B-C Voltage 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1240	174	Phase C-N / Phase C-A Voltage 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1241	174	Phase C-N / Phase C-A Voltage 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1242	174	Phase C-N / Phase C-A Voltage 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1243	174	Phase C-N / Phase C-A Voltage 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1244	174	Phase C-N / Phase C-A Voltage 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1245	174	Phase C-N / Phase C-A Voltage 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1246	174	Phase C-N / Phase C-A Voltage 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1247	174	Phase C-N / Phase C-A Voltage 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1248	175	Phase C-N / Phase C-A Voltage 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1249	175	Phase C-N / Phase C-A Voltage 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1250	175	Phase C-N / Phase C-A Voltage 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1251	175	Phase C-N / Phase C-A Voltage 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1252	175	Phase C-N / Phase C-A Voltage 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1253	175	Phase C-N / Phase C-A Voltage 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1254	175	Phase C-N / Phase C-A Voltage 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1255	175	Phase C-N / Phase C-A Voltage 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1256	176	Phase C-N / Phase C-A Voltage 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1257	176	Phase C-N / Phase C-A Voltage 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1258	176	Phase C-N / Phase C-A Voltage 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1259	176	Phase C-N / Phase C-A Voltage 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1260	176	Phase C-N / Phase C-A Voltage 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1261	176	Phase C-N / Phase C-A Voltage 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1262	176	Phase C-N / Phase C-A Voltage 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1263	176	Phase C-N / Phase C-A Voltage 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1264	176	Phase C-N / Phase C-A Voltage 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1265	176	Phase C-N / Phase C-A Voltage 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1266	176	Phase C-N / Phase C-A Voltage 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1267	176	Phase C-N / Phase C-A Voltage 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1268	176	Phase C-N / Phase C-A Voltage 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1269	176	Phase C-N / Phase C-A Voltage 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1270	176	Phase C-N / Phase C-A Voltage 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1271	176	Phase C-N / Phase C-A Voltage 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1272	177	Phase C-N / Phase C-A Voltage 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1273	177	Phase C-N / Phase C-A Voltage 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1274	177	Phase C-N / Phase C-A Voltage 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1275	177	Phase C-N / Phase C-A Voltage 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1276	177	Phase C-N / Phase C-A Voltage 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1277	177	Phase C-N / Phase C-A Voltage 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1278	177	Phase C-N / Phase C-A Voltage 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1279	177	Phase C-N / Phase C-A Voltage 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1280	177	Phase C-N / Phase C-A Voltage 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1281	177	Phase C-N / Phase C-A Voltage 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1282	177	Phase C-N / Phase C-A Voltage 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1283	177	Phase C-N / Phase C-A Voltage 43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1284	177	Phase C-N / Phase C-A Voltage 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1285	177	Phase C-N / Phase C-A Voltage 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1286	177	Phase C-N / Phase C-A Voltage 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1287	177	Phase C-N / Phase C-A Voltage 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1288	177	Phase C-N / Phase C-A Voltage 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1289	177	Phase C-N / Phase C-A Voltage 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1290	177	Phase C-N / Phase C-A Voltage 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1291	177	Phase C-N / Phase C-A Voltage 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1292	177	Phase C-N / Phase C-A Voltage 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1293	177	Phase C-N / Phase C-A Voltage 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1294	177	Phase C-N / Phase C-A Voltage 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1295	177	Phase C-N / Phase C-A Voltage 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1296	177	Phase C-N / Phase C-A Voltage 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1297	177	Phase C-N / Phase C-A Voltage 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1298	177	Phase C-N / Phase C-A Voltage 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1299	177	Phase C-N / Phase C-A Voltage 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1300	177	Phase C-N / Phase C-A Voltage 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1301	177	Phase C-N / Phase C-A Voltage 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1302	177	Phase C-N / Phase C-A Voltage 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1303	177	Phase C-N / Phase C-A Voltage 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1304	178	Phase C-N / Phase C-A Voltage 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1305	178	Phase C-N / Phase C-A Voltage 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1306	178	Phase C-N / Phase C-A Voltage 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1307	178	Phase C-N / Phase C-A Voltage 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1308	178	Phase C-N / Phase C-A Voltage 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1309	178	Phase C-N / Phase C-A Voltage 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1310	178	Phase C-N / Phase C-A Voltage 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1311	178	Phase C-N / Phase C-A Voltage 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1312	178	Phase C-N / Phase C-A Voltage 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1313	178	Phase C-N / Phase C-A Voltage 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1314	178	Phase C-N / Phase C-A Voltage 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1315	178	Phase C-N / Phase C-A Voltage 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1316	178	Phase C-N / Phase C-A Voltage 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1317	178	Phase C-N / Phase C-A Voltage 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1318	178	Phase C-N / Phase C-A Voltage 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1319	178	Phase C-N / Phase C-A Voltage 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1320	178	Phase C-N / Phase C-A Voltage 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1321	178	Phase C-N / Phase C-A Voltage 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1322	178	Phase C-N / Phase C-A Voltage 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1323	178	Phase C-N / Phase C-A Voltage 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1324	178	Phase C-N / Phase C-A Voltage 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1325	178	Phase C-N / Phase C-A Voltage 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1326	178	Phase C-N / Phase C-A Voltage 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1327	178	Phase C-N / Phase C-A Voltage 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1328	178	Phase C-N / Phase C-A Voltage 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1329	178	Phase C-N / Phase C-A Voltage 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1330	178	Phase C-N / Phase C-A Voltage 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1331	178	Phase C-N / Phase C-A Voltage 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1332	178	Phase C-N / Phase C-A Voltage 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1333	178	Phase C-N / Phase C-A Voltage 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1334	178	Phase C-N / Phase C-A Voltage 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1335	178	Phase C-N / Phase C-A Voltage 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1336	178	Phase C-N / Phase C-A Voltage 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1337	178	Phase C-N / Phase C-A Voltage 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1338	178	Phase C-N / Phase C-A Voltage 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1339	178	Phase C-N / Phase C-A Voltage 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1340	178	Phase C-N / Phase C-A Voltage 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1341	178	Phase C-N / Phase C-A Voltage 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1342	178	Phase C-N / Phase C-A Voltage 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1343	178	Phase C-N / Phase C-A Voltage 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1344	178	Phase C-N / Phase C-A Voltage 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1345	178	Phase C-N / Phase C-A Voltage 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1346	178	Phase C-N / Phase C-A Voltage 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1347	178	Phase C-N / Phase C-A Voltage 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1348	178	Phase C-N / Phase C-A Voltage 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1349	178	Phase C-N / Phase C-A Voltage 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1350	178	Phase C-N / Phase C-A Voltage 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1351	178	Phase C-N / Phase C-A Voltage 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1352	178	Phase C-N / Phase C-A Voltage 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1353	178	Phase C-N / Phase C-A Voltage 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1354	178	Phase C-N / Phase C-A Voltage 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1355	178	Phase C-N / Phase C-A Voltage 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1356	178	Phase C-N / Phase C-A Voltage 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1357	178	Phase C-N / Phase C-A Voltage 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1358	178	Phase C-N / Phase C-A Voltage 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1359	178	Phase C-N / Phase C-A Voltage 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1360	178	Phase C-N / Phase C-A Voltage 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1361	178	Phase C-N / Phase C-A Voltage 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1362	178	Phase C-N / Phase C-A Voltage 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1363	178	Phase C-N / Phase C-A Voltage 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1364	178	Phase C-N / Phase C-A Voltage 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1365	178	Phase C-N / Phase C-A Voltage 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1366	178	Phase C-N / Phase C-A Voltage 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1367	178	Phase C-N / Phase C-A Voltage 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1368	179	Phase A Current 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1369	179	Phase A Current 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1370	179	Phase A Current 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1371	179	Phase A Current 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1372	179	Phase A Current 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1373	179	Phase A Current 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1374	179	Phase A Current 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1375	179	Phase A Current 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1376	180	Phase A Current 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1377	180	Phase A Current 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1378	180	Phase A Current 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1379	180	Phase A Current 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1380	180	Phase A Current 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1381	180	Phase A Current 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1382	180	Phase A Current 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1383	180	Phase A Current 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1384	181	Phase A Current 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1385	181	Phase A Current 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1386	181	Phase A Current 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1387	181	Phase A Current 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1388	181	Phase A Current 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1389	181	Phase A Current 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1390	181	Phase A Current 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1391	181	Phase A Current 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1392	181	Phase A Current 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1393	181	Phase A Current 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1394	181	Phase A Current 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1395	181	Phase A Current 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1396	181	Phase A Current 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1397	181	Phase A Current 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1398	181	Phase A Current 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1399	181	Phase A Current 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1400	182	Phase A Current 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1401	182	Phase A Current 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1402	182	Phase A Current 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1403	182	Phase A Current 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1404	182	Phase A Current 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1405	182	Phase A Current 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1406	182	Phase A Current 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1407	182	Phase A Current 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1408	182	Phase A Current 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1409	182	Phase A Current 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1410	182	Phase A Current 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1411	182	Phase A Current43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1412	182	Phase A Current 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1413	182	Phase A Current 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1414	182	Phase A Current 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1415	182	Phase A Current 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1416	182	Phase A Current 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1417	182	Phase A Current 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1418	182	Phase A Current 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1419	182	Phase A Current 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1420	182	Phase A Current 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1421	182	Phase A Current 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1422	182	Phase A Current 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1423	182	Phase A Current 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1424	182	Phase A Current 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1425	182	Phase A Current 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1426	182	Phase A Current 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1427	182	Phase A Current 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1428	182	Phase A Current 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1429	182	Phase A Current 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1430	182	Phase A Current 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1431	182	Phase A Current 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1432	183	Phase A Current 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1433	183	Phase A Current 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1434	183	Phase A Current 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1435	183	Phase A Current 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1436	183	Phase A Current 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1437	183	Phase A Current 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1438	183	Phase A Current 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1439	183	Phase A Current 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1440	183	Phase A Current 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1441	183	Phase A Current 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1442	183	Phase A Current 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1443	183	Phase A Current 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1444	183	Phase A Current 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1445	183	Phase A Current 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1446	183	Phase A Current 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1447	183	Phase A Current 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1448	183	Phase A Current 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1449	183	Phase A Current 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1450	183	Phase A Current 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1451	183	Phase A Current 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1452	183	Phase A Current 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1453	183	Phase A Current 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1454	183	Phase A Current 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1455	183	Phase A Current 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1456	183	Phase A Current 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1457	183	Phase A Current 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1458	183	Phase A Current 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1459	183	Phase A Current 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1460	183	Phase A Current 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1461	183	Phase A Current 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1462	183	Phase A Current 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1463	183	Phase A Current 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1464	183	Phase A Current 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1465	183	Phase A Current 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1466	183	Phase A Current 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1467	183	Phase A Current 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1468	183	Phase A Current 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1469	183	Phase A Current 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1470	183	Phase A Current 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1471	183	Phase A Current 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1472	183	Phase A Current 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1473	183	Phase A Current 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1474	183	Phase A Current 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1475	183	Phase A Current 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1476	183	Phase A Current 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1477	183	Phase A Current 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1478	183	Phase A Current 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1479	183	Phase A Current 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1480	183	Phase A Current 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1481	183	Phase A Current 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1482	183	Phase A Current 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1483	183	Phase A Current 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1484	183	Phase A Current 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1485	183	Phase A Current 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1486	183	Phase A Current 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1487	183	Phase A Current 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1488	183	Phase A Current 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1489	183	Phase A Current 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1490	183	Phase A Current 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1491	183	Phase A Current 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1492	183	Phase A Current 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1493	183	Phase A Current 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1494	183	Phase A Current 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1495	183	Phase A Current 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1496	184	Phase B Current 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1497	184	Phase B Current 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1498	184	Phase B Current 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1499	184	Phase B Current 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1500	184	Phase B Current 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1501	184	Phase B Current 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1502	184	Phase B Current 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1503	184	Phase B Current 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1504	185	Phase B Current 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1505	185	Phase B Current 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1506	185	Phase B Current 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1507	185	Phase B Current 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1508	185	Phase B Current 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1509	185	Phase B Current 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1510	185	Phase B Current 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1511	185	Phase B Current 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1512	186	Phase B Current 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1513	186	Phase B Current 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1514	186	Phase B Current 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1515	186	Phase B Current 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1516	186	Phase B Current 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1517	186	Phase B Current 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1518	186	Phase B Current 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1519	186	Phase B Current 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1520	186	Phase B Current 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1521	186	Phase B Current 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1522	186	Phase B Current 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1523	186	Phase B Current 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1524	186	Phase B Current 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1525	186	Phase B Current 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1526	186	Phase B Current 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1527	186	Phase B Current 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1528	187	Phase B Current 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1529	187	Phase B Current 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1530	187	Phase B Current 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1531	187	Phase B Current 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1532	187	Phase B Current 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1533	187	Phase B Current 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1534	187	Phase B Current 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1535	187	Phase B Current 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1536	187	Phase B Current 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1537	187	Phase B Current 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1538	187	Phase B Current 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1539	187	Phase B Current43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1540	187	Phase B Current 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1541	187	Phase B Current 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1542	187	Phase B Current 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1543	187	Phase B Current 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1544	187	Phase B Current 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1545	187	Phase B Current 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1546	187	Phase B Current 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1547	187	Phase B Current 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1548	187	Phase B Current 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1549	187	Phase B Current 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1550	187	Phase B Current 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1551	187	Phase B Current 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1552	187	Phase B Current 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1553	187	Phase B Current 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1554	187	Phase B Current 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1555	187	Phase B Current 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1556	187	Phase B Current 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1557	187	Phase B Current 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1558	187	Phase B Current 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1559	187	Phase B Current 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1560	188	Phase B Current 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1561	188	Phase B Current 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1562	188	Phase B Current 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1563	188	Phase B Current 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1564	188	Phase B Current 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1565	188	Phase B Current 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1566	188	Phase B Current 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1567	188	Phase B Current 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1568	188	Phase B Current 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1569	188	Phase B Current 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1570	188	Phase B Current 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1571	188	Phase B Current 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1572	188	Phase B Current 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1573	188	Phase B Current 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1574	188	Phase B Current 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1575	188	Phase B Current 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1576	188	Phase B Current 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1577	188	Phase B Current 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1578	188	Phase B Current 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1579	188	Phase B Current 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1580	188	Phase B Current 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1581	188	Phase B Current 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1582	188	Phase B Current 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1583	188	Phase B Current 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1584	188	Phase B Current 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1585	188	Phase B Current 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1586	188	Phase B Current 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1587	188	Phase B Current 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1588	188	Phase B Current 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1589	188	Phase B Current 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1590	188	Phase B Current 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1591	188	Phase B Current 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1592	188	Phase B Current 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1593	188	Phase B Current 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1594	188	Phase B Current 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1595	188	Phase B Current 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1596	188	Phase B Current 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1597	188	Phase B Current 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1598	188	Phase B Current 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1599	188	Phase B Current 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1600	188	Phase B Current 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1601	188	Phase B Current 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1602	188	Phase B Current 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1603	188	Phase B Current 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1604	188	Phase B Current 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1605	188	Phase B Current 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1606	188	Phase B Current 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1607	188	Phase B Current 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1608	188	Phase B Current 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1609	188	Phase B Current 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1610	188	Phase B Current 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1611	188	Phase B Current 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1612	188	Phase B Current 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1613	188	Phase B Current 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1614	188	Phase B Current 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1615	188	Phase B Current 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1616	188	Phase B Current 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1617	188	Phase B Current 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1618	188	Phase B Current 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1619	188	Phase B Current 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1620	188	Phase B Current 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1621	188	Phase B Current 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1622	188	Phase B Current 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1623	188	Phase B Current 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1624	189	Phase C Current 0th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1625	189	Phase C Current 1st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1626	189	Phase C Current 2nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1627	189	Phase C Current 3rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1628	189	Phase C Current 4th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1629	189	Phase C Current 5th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1630	189	Phase C Current 6th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1631	189	Phase C Current 7th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1632	190	Phase C Current 8th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1633	190	Phase C Current 9th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1634	190	Phase C Current 10th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1635	190	Phase C Current 11th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1636	190	Phase C Current 12th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1637	190	Phase C Current 13th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1638	190	Phase C Current 14th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1639	190	Phase C Current 15th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1640	191	Phase C Current 16th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1641	191	Phase C Current 17th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1642	191	Phase C Current 18th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1643	191	Phase C Current 19th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1644	191	Phase C Current 20th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1645	191	Phase C Current 21st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1646	191	Phase C Current 22nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1647	191	Phase C Current 23rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1648	191	Phase C Current 24th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1649	191	Phase C Current 25th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1650	191	Phase C Current 26th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1651	191	Phase C Current 27th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1652	191	Phase C Current 28th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1653	191	Phase C Current 29th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1654	191	Phase C Current 30th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1655	191	Phase C Current 31st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1656	192	Phase C Current 32nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1657	192	Phase C Current 33rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1658	192	Phase C Current 34th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1659	192	Phase C Current 35th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1660	192	Phase C Current 36th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1661	192	Phase C Current 37th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1662	192	Phase C Current 38th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1663	192	Phase C Current 39th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1664	192	Phase C Current 40th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1665	192	Phase C Current 41st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1666	192	Phase C Current 42nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1667	192	Phase C Current43rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1668	192	Phase C Current 44th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1669	192	Phase C Current 45th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1670	192	Phase C Current 46th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1671	192	Phase C Current 47th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1672	192	Phase C Current 48th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1673	192	Phase C Current 49th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1674	192	Phase C Current 50th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1675	192	Phase C Current 51st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1676	192	Phase C Current 52nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1677	192	Phase C Current 53rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1678	192	Phase C Current 54th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1679	192	Phase C Current 55th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1680	192	Phase C Current 56th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1681	192	Phase C Current 57th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1682	192	Phase C Current 58th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1683	192	Phase C Current 59th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1684	192	Phase C Current 60th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1685	192	Phase C Current 61st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1686	192	Phase C Current 62nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1687	192	Phase C Current 63rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1688	193	Phase C Current 64th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1689	193	Phase C Current 65th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1690	193	Phase C Current 66th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1691	193	Phase C Current 67th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1692	193	Phase C Current 68th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1693	193	Phase C Current 69th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1694	193	Phase C Current 70th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1695	193	Phase C Current 71st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1696	193	Phase C Current 72nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1697	193	Phase C Current 73rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1698	193	Phase C Current 74th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1699	193	Phase C Current 75th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1700	193	Phase C Current 76th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1701	193	Phase C Current 77th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1702	193	Phase C Current 78th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1703	193	Phase C Current 79th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1704	193	Phase C Current 80th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1705	193	Phase C Current 81st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1706	193	Phase C Current 82nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1707	193	Phase C Current 83rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1708	193	Phase C Current 84th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1709	193	Phase C Current 85th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1710	193	Phase C Current 86th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1711	193	Phase C Current 87th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1712	193	Phase C Current 88th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1713	193	Phase C Current 89th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1714	193	Phase C Current 90th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1715	193	Phase C Current 91st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1716	193	Phase C Current 92nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1717	193	Phase C Current 93rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1718	193	Phase C Current 94th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1719	193	Phase C Current 95th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1720	193	Phase C Current 96th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1721	193	Phase C Current 97th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1722	193	Phase C Current 98th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1723	193	Phase C Current 99th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1724	193	Phase C Current 100th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1725	193	Phase C Current 101st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1726	193	Phase C Current 102nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1727	193	Phase C Current 103rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1728	193	Phase C Current 104th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1729	193	Phase C Current 105th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1730	193	Phase C Current 106th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1731	193	Phase C Current 107th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1732	193	Phase C Current 108th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1733	193	Phase C Current 109th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1734	193	Phase C Current 110th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1735	193	Phase C Current 111th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1736	193	Phase C Current 112th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1737	193	Phase C Current 113th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1738	193	Phase C Current 114th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1739	193	Phase C Current 115th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1740	193	Phase C Current 116th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1741	193	Phase C Current 117th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1742	193	Phase C Current 118th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1743	193	Phase C Current 119th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1744	193	Phase C Current 120th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1745	193	Phase C Current 121st Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1746	193	Phase C Current 122nd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1747	193	Phase C Current 123rd Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1748	193	Phase C Current 124th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1749	193	Phase C Current 125th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1750	193	Phase C Current 126th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
30	4	1751	193	Phase C Current 127th Harmonic Phase	+180 degree / -180 degree	0.01 degree	F6
THD/K-Factor Block							
30	4	1752	194	Phase A-N / Phase A-B Voltage THD	+327% / -327%	0.01%	F7
30	4	1753	195	Phase B-N / Phase B-C Voltage THD	+327% / -327%	0.01%	F7
30	4	1754	196	Phase C-N / Phase C-A Voltage THD	+327% / -327%	0.01%	F7
30	4	1755	197	Phase A Current THD	+327% / -327%	0.01%	F7
30	4	1756	198	Phase B Current THD	+327% / -327%	0.01%	F7
30	4	1757	199	Phase C Current THD	+327% / -327%	0.01%	F7
30	4	1758	200	Phase A Current K-Factor	+327% / -327%	0.01%	F7
30	4	1759	201	Phase B Current K-Factor	+327% / -327%	0.01%	F7
30	4	1760	202	Phase C Current K-Factor	+327% / -327%	0.01%	F7
Harmonic Time Stamp Block							
50	1	129	203	Phase A-N / Phase A-B Voltage Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	130	204	Phase B-N / Phase B-C Voltage Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	131	205	Phase C-N / Phase C-A Voltage Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	132	206	Phase A Current Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	133	207	Phase B Current Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	134	208	Phase C Current Harmonic Time Stamp	12/31/9999 23:59:59.999	1 msec	
Phase Angle Block							
50	1	135	209	Phase Angle Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	4	1761	210	Phase Angle Phase A-N Voltage	+180 degree / -180 degree	0.01 degree	F6
30	4	1762	210	Phase Angle Phase B-N Voltage	+180 degree / -180 degree	0.01 degree	F6
30	4	1763	210	Phase Angle Phase C-N Voltage	+180 degree / -180 degree	0.01 degree	F6
30	4	1764	211	Phase Angle Phase A Current	+180 degree / -180 degree	0.01 degree	F6
30	4	1765	211	Phase Angle Phase B Current	+180 degree / -180 degree	0.01 degree	F6
30	4	1766	211	Phase Angle Phase C Current	+180 degree / -180 degree	0.01 degree	F6
30	4	1767	212	Phase Angle Phase A-B Voltage	+180 degree / -180 degree	0.01 degree	F6
30	4	1768	212	Phase Angle Phase B-C Voltage	+180 degree / -180 degree	0.01 degree	F6
30	4	1769	212	Phase Angle Phase C-A Voltage	+180 degree / -180 degree	0.01 degree	F6

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1770	213	Voltage Phase Sequence			F9
Block Window Average Block							
50	1	136	214	Block Window Average Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	4	1771	215	Block Window Average Status			F10
30	3	1772	216	Block Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1773	216	Block Window Average VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1774	216	Block Window Average Watt	+32768 W / -32768 W	1 W sec	F4
30	3	1775	217	Maximum Block Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1776	217	Maximum Block Window Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1777	217	Maximum Block Window Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1778	217	Maximum Block Window Average Positive Watt	+32768 W /0 W	1 W sec	F4
30	3	1779	217	Maximum Block Window Average Negative Watt	0 W / -32768 W	1 W sec	F4
30	3	1780	218	Minimum Block Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1781	218	Minimum Block Window Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1782	218	Minimum Block Window Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1783	218	Minimum Block Window Average Positive Watt	+32768 W /0 W	1 W sec	F4
30	3	1784	218	Minimum Block Window Average Negative Watt	0 W / -32768 W	1 W sec	F4
30	3	1785	219	Coincident Block Window Average VAR for Maximum Positive Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1786	219	Coincident Block Window Average VAR for Maximum Negative Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1787	219	Coincident Block Window Average VAR for Minimum Positive Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1788	219	Coincident Block Window Average VAR for Minimum Negative Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	137	220	Maximum Block Window Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	138	220	Maximum Block Window Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	139	220	Maximum Block Window Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	140	220	Maximum Block Window Average Positive Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	141	220	Maximum Block Window Average Negative Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	142	221	Minimum Block Window Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	143	221	Minimum Block Window Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	144	221	Minimum Block Window Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	145	221	Minimum Block Window Average Positive Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	146	221	Minimum Block Window Average Negative Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
Rolling Window/Predictive Rolling Window Block							
50	1	147	222	Rolling Window Average Block Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	1789	223	Rolling Window Average Status			F10
30	3	1790	224	Predictive Rolling Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1791	224	Predictive Rolling Window Average VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1792	224	Predictive Rolling Window Average W	+32768 W / -32768 W	1 W sec	F4
30	3	1793	225	Rolling Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1794	225	Rolling Window Average VAR	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1795	225	Rolling Window Average W	+32768 W / -32768 W	1 W sec	F4
30	3	1796	226	Maximum Rolling Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1797	226	Maximum Rolling Window Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1798	226	Maximum Rolling Window Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1799	226	Maximum Rolling Window Average Positive Watt	+32768 W /0 W	1 W sec	F4
30	3	1800	226	Maximum Rolling Window Average Negative Watt	0 W / -32768 W	1 W sec	F4
30	3	1801	227	Minimum Rolling Window Average VA	+32768 VA / 0 VA	1 VA sec	F4
30	3	1802	227	Minimum Rolling Window Average Positive VAR	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1803	227	Minimum Rolling Window Average Negative VAR	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1804	227	Minimum Rolling Window Average Positive Watt	+32768 W /0 W	1 W sec	F4
30	3	1805	227	Minimum Rolling Window Average Negative Watt	0 W / -32768 W	1 W sec	F4
30	3	1806	228	Coincident Rolling Window Average VAR for Maximum Positive Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1807	228	Coincident Rolling Window Average VAR for Maximum Negative Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1808	228	Coincident Rolling Window Average VAR for Minimum Positive Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
30	3	1809	228	Coincident Rolling Window Average VAR for Minimum Negative Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	148	229	Maximum Rolling Window Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	149	229	Maximum Rolling Window Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	150	229	Maximum Rolling Window Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	151	229	Maximum Rolling Window Average Positive Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	152	229	Maximum Rolling Window Average Negative Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	153	230	Minimum Rolling Window Average VA Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	154	230	Minimum Rolling Window Average Positive VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	155	230	Minimum Rolling Window Average Negative VAR Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	156	230	Minimum Rolling Window Average Positive Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	157	230	Minimum Rolling Window Average Negative Watt Time Stamp	12/31/9999 23:59:59.999	1 msec	
Limit Block							
1	1	16	231	Limit State, Value 1 Comparison, Limit 1			F11

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	17	231	Limit State, Value 1 Comparison, Limit 2			F11
1	1	18	231	Limit State, Value 1 Comparison, Limit 3			F11
1	1	19	231	Limit State, Value 1 Comparison, Limit 4			F11
1	1	20	231	Limit State, Value 1 Comparison, Limit 5			F11
1	1	21	231	Limit State, Value 1 Comparison, Limit 6			F11
1	1	22	231	Limit State, Value 1 Comparison, Limit 7			F11
1	1	23	231	Limit State, Value 1 Comparison, Limit 8			F11
1	1	24	231	Limit State, Value 1 Comparison, Limit 9			F11
1	1	25	231	Limit State, Value 1 Comparison, Limit 10			F11
1	1	26	231	Limit State, Value 1 Comparison, Limit 11			F11
1	1	27	231	Limit State, Value 1 Comparison, Limit 12			F11
1	1	28	231	Limit State, Value 1 Comparison, Limit 13			F11
1	1	29	231	Limit State, Value 1 Comparison, Limit 14			F11
1	1	30	231	Limit State, Value 1 Comparison, Limit 15			F11
1	1	31	231	Limit State, Value 1 Comparison, Limit 16			F11
1	1	32	231	Limit State, Value 1 Comparison, Limit 17			F11
1	1	33	231	Limit State, Value 1 Comparison, Limit 18			F11
1	1	34	231	Limit State, Value 1 Comparison, Limit 19			F11
1	1	35	231	Limit State, Value 1 Comparison, Limit 20			F11
1	1	36	231	Limit State, Value 1 Comparison, Limit 21			F11
1	1	37	231	Limit State, Value 1 Comparison, Limit 22			F11
1	1	38	231	Limit State, Value 1 Comparison, Limit 23			F11
1	1	39	231	Limit State, Value 1 Comparison, Limit 24			F11
1	1	40	231	Limit State, Value 1 Comparison, Limit 25			F11
1	1	41	231	Limit State, Value 1 Comparison, Limit 26			F11
1	1	42	231	Limit State, Value 1 Comparison, Limit 27			F11
1	1	43	231	Limit State, Value 1 Comparison, Limit 28			F11
1	1	44	231	Limit State, Value 1 Comparison, Limit 29			F11
1	1	45	231	Limit State, Value 1 Comparison, Limit 30			F11
1	1	46	231	Limit State, Value 1 Comparison, Limit 31			F11
1	1	47	231	Limit State, Value 1 Comparison, Limit 32			F11
1	1	48	232	Limit State, Value 2 Comparison, Limit 1			F11
1	1	49	232	Limit State, Value 2 Comparison, Limit 2			F11

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	50	232	Limit State, Value 2 Comparison, Limit 3			F11
1	1	51	232	Limit State, Value 2 Comparison, Limit 4			F11
1	1	52	232	Limit State, Value 2 Comparison, Limit 5			F11
1	1	53	232	Limit State, Value 2 Comparison, Limit 6			F11
1	1	54	232	Limit State, Value 2 Comparison, Limit 7			F11
1	1	55	232	Limit State, Value 2 Comparison, Limit 8			F11
1	1	56	232	Limit State, Value 2 Comparison, Limit 9			F11
1	1	57	232	Limit State, Value 2 Comparison, Limit 10			F11
1	1	58	232	Limit State, Value 2 Comparison, Limit 11			F11
1	1	59	232	Limit State, Value 2 Comparison, Limit 12			F11
1	1	60	232	Limit State, Value 2 Comparison, Limit 13			F11
1	1	61	232	Limit State, Value 2 Comparison, Limit 14			F11
1	1	62	232	Limit State, Value 2 Comparison, Limit 15			F11
1	1	63	232	Limit State, Value 2 Comparison, Limit 16			F11
1	1	64	232	Limit State, Value 2 Comparison, Limit 17			F11
1	1	65	232	Limit State, Value 2 Comparison, Limit 18			F11
1	1	66	232	Limit State, Value 2 Comparison, Limit 19			F11
1	1	67	232	Limit State, Value 2 Comparison, Limit 20			F11
1	1	68	232	Limit State, Value 2 Comparison, Limit 21			F11
1	1	69	232	Limit State, Value 2 Comparison, Limit 22			F11
1	1	70	232	Limit State, Value 2 Comparison, Limit 23			F11
1	1	71	232	Limit State, Value 2 Comparison, Limit 24			F11
1	1	72	232	Limit State, Value 2 Comparison, Limit 25			F11
1	1	73	232	Limit State, Value 2 Comparison, Limit 26			F11
1	1	74	232	Limit State, Value 2 Comparison, Limit 27			F11
1	1	75	232	Limit State, Value 2 Comparison, Limit 28			F11
1	1	76	232	Limit State, Value 2 Comparison, Limit 29			F11
1	1	77	232	Limit State, Value 2 Comparison, Limit 30			F11
1	1	78	232	Limit State, Value 2 Comparison, Limit 31			F11
1	1	79	232	Limit State, Value 2 Comparison, Limit 32			F11
1	1	80	233	Internal Inputs - Low Speed Sampling - Current State - Input 8			F12
1	1	81	233	Internal Inputs - Low Speed Sampling - Current State - Input 7			F12
1	1	82	233	Internal Inputs - Low Speed Sampling - Current State - Input 6			F12

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	83	233	Internal Inputs - Low Speed Sampling - Current State - Input 5			F12
1	1	84	233	Internal Inputs - Low Speed Sampling - Current State - Input 4			F12
1	1	85	233	Internal Inputs - Low Speed Sampling - Current State - Input 3			F12
1	1	86	233	Internal Inputs - Low Speed Sampling - Current State - Input 2			F12
1	1	87	233	Internal Inputs - Low Speed Sampling - Current State - Input 1			F12
Digital Input Block							
1	1	88	234	Digital Input 8, Module 1			F13
1	1	89	234	Digital Input 7, Module 1			F13
1	1	90	234	Digital Input 6, Module 1			F13
1	1	91	234	Digital Input 5, Module 1			F13
1	1	92	234	Digital Input 4, Module 1			F13
1	1	93	234	Digital Input 3, Module 1			F13
1	1	94	234	Digital Input 2, Module 1			F13
1	1	95	234	Digital Input 1, Module 1			F13
20	5	10	235	Digital Input Accumulation 1, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	11	235	Digital Input Accumulation 2, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	12	235	Digital Input Accumulation 3, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	13	235	Digital Input Accumulation 4, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	14	235	Digital Input Accumulation 5, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	15	235	Digital Input Accumulation 6, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	16	235	Digital Input Accumulation 7, Module 1	4,294,967,295 / 0	1 Unit	F14
20	5	17	235	Digital Input Accumulation 8, Module 1	4,294,967,295 / 0	1 Unit	F14
1	1	96	236	Digital Input 8, Module 2			F13
1	1	97	236	Digital Input 7, Module 2			F13
1	1	98	236	Digital Input 6, Module 2			F13
1	1	99	236	Digital Input 5, Module 2			F13
1	1	100	236	Digital Input 4, Module 2			F13
1	1	101	236	Digital Input 3, Module 2			F13
1	1	102	236	Digital Input 2, Module 2			F13
1	1	103	236	Digital Input 1, Module 2			F13
20	5	18	236	Digital Input Accumulation 1, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	19	237	Digital Input Accumulation 2, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	20	237	Digital Input Accumulation 3, Module 2	4,294,967,295 / 0	1 Unit	F14

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	21	237	Digital Input Accumulation 4, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	22	237	Digital Input Accumulation 5, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	23	237	Digital Input Accumulation 6, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	24	237	Digital Input Accumulation 7, Module 2	4,294,967,295 / 0	1 Unit	F14
20	5	25	237	Digital Input Accumulation 8, Module 2	4,294,967,295 / 0	1 Unit	F14
1	1	104	237	Digital Input 8, Module 3			F13
1	1	105	237	Digital Input 7, Module 3			F13
1	1	106	238	Digital Input 6, Module 3			F13
1	1	107	238	Digital Input 5, Module 3			F13
1	1	108	238	Digital Input 4, Module 3			F13
1	1	109	238	Digital Input 3, Module 3			F13
1	1	110	238	Digital Input 2, Module 3			F13
1	1	111	238	Digital Input 1, Module 3			F13
20	5	26	238	Digital Input Accumulation 1, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	27	238	Digital Input Accumulation 2, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	28	238	Digital Input Accumulation 3, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	29	239	Digital Input Accumulation 4, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	30	239	Digital Input Accumulation 5, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	31	239	Digital Input Accumulation 6, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	32	239	Digital Input Accumulation 7, Module 3	4,294,967,295 / 0	1 Unit	F14
20	5	33	239	Digital Input Accumulation 8, Module 3	4,294,967,295 / 0	1 Unit	F14
1	1	112	239	Digital Input 8, Module 4			F13
1	1	113	239	Digital Input 7, Module 4			F13
1	1	114	239	Digital Input 6, Module 4			F13
1	1	115	239	Digital Input 5, Module 4			F13
1	1	116	240	Digital Input 4, Module 4			F13
1	1	117	240	Digital Input 3, Module 4			F13
1	1	118	240	Digital Input 2, Module 4			F13
1	1	119	240	Digital Input 1, Module 4			F13
20	5	34	240	Digital Input Accumulation 1, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	35	240	Digital Input Accumulation 2, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	36	240	Digital Input Accumulation 3, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	37	240	Digital Input Accumulation 4, Module 4	4,294,967,295 / 0	1 Unit	F14

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	38	240	Digital Input Accumulation 5, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	39	241	Digital Input Accumulation 6, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	40	241	Digital Input Accumulation 7, Module 4	4,294,967,295 / 0	1 Unit	F14
20	5	41	241	Digital Input Accumulation 8, Module 4	4,294,967,295 / 0	1 Unit	F14
Primary Accumulation Block							
50	1	158	242	Primary Accumulation Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
20	5	42	244	Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	43	244	Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	44	244	VAhour while Receiving Watthour and Negative VARhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	45	244	VAhour while Receiving Watthour and Negative VARhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	46	244	Negative VARhour while Receiving Watthour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	47	244	Negative VARhour while Receiving Watthour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	48	244	Vahour while Receiving Watthour and Positive VARhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	49	244	Vahour while Receiving Watthour and Positive VARhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	50	244	Positive VARhour while Receiving Watthour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	51	244	Positive VARhour while Receiving Watthour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	52	244	Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	53	244	Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	54	244	VAhour while Delivering Watthour and Negative VARhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	55	244	VAhour while Delivering Watthour and Negative VARhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	56	244	Negative VARhour while Delivering Watthour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	57	244	Negative VARhour while Delivering Watthour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	58	244	Vahour while Delivering Watthour and Positive VARhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	59	244	Vahour while Delivering Watthour and Positive VARhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	60	244	Positive VARhour while Delivering Watthour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	61	244	Positive VARhour while Delivering Watthour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	62	246	I^2t Phase A	+9,999,999,999,999,999 I^2t / 0 I^2t	2^{32} I^2t	F15
20	5	63	246	I^2t Phase A	+4,294,967,295 I^2t / 0 I^2t	1 I^2t	F15
20	5	64	246	I^2t Phase B	+9,999,999,999,999,999 I^2t / 0 I^2t	2^{32} I^2t	F15
20	5	65	246	I^2t Phase B	+4,294,967,295 I^2t / 0 I^2t	1 I^2t	F15
20	5	66	246	I^2t Phase C	+9,999,999,999,999,999 I^2t / 0 I^2t	2^{32} I^2t	F15
20	5	67	246	I^2t Phase C	+4,294,967,295 I^2t / 0 I^2t	1 I^2t	F15
20	5	68	246	V^2t Phase A	+9,999,999,999,999,999 V^2t / 0 V^2t	2^{32} V^2t	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	69	246	V^2t Phase A	+4,294,967,295 V^2t / 0 V^2t	1 V^2t	F15
20	5	70	246	V^2t Phase B	+9,999,999,999,999,999 V^2t / 0 V_2t	2^{32} V^2t	F15
20	5	71	246	V^2t Phase B	+4,294,967,295 V^2t / 0 V^2t	1 V^2t	F15
20	5	72	246	V^2t Phase C	+9,999,999,999,999,999 V^2t / 0 V^2t	2^{32} V^2t	F15
20	5	73	246	V^2t Phase C	+4,294,967,295 V^2t / 0 V^2t	1 V^2t	F15
Time of Use Period Time Stamp Block							
30	4	1810	247	Time of Use Status			F10
50	1	159	248	Time of Use Prior Season Start Time	12/31/9999 23:59:59.999	1 msec	
50	1	160	248	Time of Use Prior Season End Time	12/31/9999 23:59:59.999	1 msec	
50	1	161	248	Time of Use Prior Month Start Time	12/31/9999 23:59:59.999	1 msec	
50	1	162	248	Time of Use Prior Month End Time	12/31/9999 23:59:59.999	1 msec	
50	1	163	248	Time of Use Current Season Start Time	12/31/9999 23:59:59.999	1 msec	
50	1	164	248	Time of Use Current Season End Time	12/31/9999 23:59:59.999	1 msec	
50	1	165	248	Time of Use Current Month Start Time	12/31/9999 23:59:59.999	1 msec	
50	1	166	248	Time of Use Current Month End Time	12/31/9999 23:59:59.999	1 msec	
30	4	1811	249	Time of Use Prior Season Average Select			F16
30	4	1812	249	Time of Use Prior Month Average Select			F16
30	4	1813	249	Time of Use Current Season Average Select			F16
30	4	1814	249	Time of Use Current Month Average Select			F16
30	3	1815	250	Time of Use Prior Season CT Ratio Numerator			F17
30	3	1816	250	Time of Use Prior Season CT Ratio Denominator			F17
30	3	1817	250	Time of Use Prior Season PT Ratio Numerator			F17
30	3	1818	250	Time of Use Prior Season PT Ratio Denominator			F17
30	3	1819	250	Time of Use Prior Month CT Ratio Numerator			F17
30	3	1820	250	Time of Use Prior Month CT Ratio Denominator			F17
30	3	1821	250	Time of Use Prior Month PT Ratio Numerator			F17
30	3	1822	250	Time of Use Prior Month PT Ratio Denominator			F17
30	3	1823	250	Time of Use Current Season CT Ratio Numerator			F17
30	3	1824	250	Time of Use Current Season CT Ratio Denominator			F17
30	3	1825	250	Time of Use Current Season PT Ratio Numerator			F17
30	3	1826	250	Time of Use Current Season PT Ratio Denominator			F17
30	3	1827	250	Time of Use Current Month CT Ratio Numerator			F17
30	3	1828	250	Time of Use Current Month CT Ratio Denominator			F17

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	1829	250	Time of Use Current Month PT Ratio Numerator			F17
30	3	1830	250	Time of Use Current Month PT Ratio Denominator			F17
Time of Use Prior Season Register 1 Block							
20	5	74	251	TOU Prior Season Reg 1 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	75	251	TOU Prior Season Reg 1 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	76	251	TOU Prior Season Reg 1 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	77	251	TOU Prior Season Reg 1 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	78	251	TOU Prior Season Reg 1 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	79	251	TOU Prior Season Reg 1 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	80	251	TOU Prior Season Reg 1 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	81	251	TOU Prior Season Reg 1 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	82	251	TOU Prior Season Reg 1 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	83	251	TOU Prior Season Reg 1 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	84	251	TOU Prior Season Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	85	251	TOU Prior Season Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	86	251	TOU Prior Season Reg 1 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	87	251	TOU Prior Season Reg 1 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	88	251	TOU Prior Season Reg 1 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	89	251	TOU Prior Season Reg 1 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	90	251	TOU Prior Season Reg 1 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	91	251	TOU Prior Season Reg 1 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	92	251	TOU Prior Season Reg 1 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	93	251	TOU Prior Season Reg 1 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1831	252	TOU Prior Season Reg 1 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1832	252	TOU Prior Season Reg 1 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1833	252	TOU Prior Season Reg 1 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1834	252	TOU Prior Season Reg 1 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1835	253	TOU Prior Season Reg 1 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1836	253	TOU Prior Season Reg 1 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	167	254	TOU Prior Season Reg 1 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	168	254	TOU Prior Season Reg 1 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	169	254	TOU Prior Season Reg 1 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	170	254	TOU Prior Season Reg 1 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
Time of Use Prior Season Register 2 Block							
20	5	94	255	TOU Prior Season Reg 2 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	95	255	TOU Prior Season Reg 2 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	96	255	TOU Prior Season Reg 2 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	97	255	TOU Prior Season Reg 2 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	98	255	TOU Prior Season Reg 2 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	99	255	TOU Prior Season Reg 2 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	100	255	TOU Prior Season Reg 2 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	101	255	TOU Prior Season Reg 2 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	102	255	TOU Prior Season Reg 2 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	103	255	TOU Prior Season Reg 2 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	104	255	TOU Prior Season Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	105	255	TOU Prior Season Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	106	255	TOU Prior Season Reg 2 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	107	255	TOU Prior Season Reg 2 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	108	255	TOU Prior Season Reg 2 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	109	255	TOU Prior Season Reg 2 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	110	255	TOU Prior Season Reg 2 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	111	255	TOU Prior Season Reg 2 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	112	255	TOU Prior Season Reg 2 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	113	255	TOU Prior Season Reg 2 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1837	256	TOU Prior Season Reg 2 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1838	256	TOU Prior Season Reg 2 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1839	256	TOU Prior Season Reg 2 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1840	256	TOU Prior Season Reg 2 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1841	257	TOU Prior Season Reg 2 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1842	257	TOU Prior Season Reg 2 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	171	258	TOU Prior Season Reg 2 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	172	258	TOU Prior Season Reg 2 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	173	258	TOU Prior Season Reg 2 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	174	258	TOU Prior Season Reg 2 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Reg 3 Block							
20	5	114	259	TOU Prior Season Reg 3 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	115	259	TOU Prior Season Reg 3 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	116	259	TOU Prior Season Reg 3 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	117	259	TOU Prior Season Reg 3 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	118	259	TOU Prior Season Reg 3 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	119	259	TOU Prior Season Reg 3 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	120	259	TOU Prior Season Reg 3 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	121	259	TOU Prior Season Reg 3 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	122	259	TOU Prior Season Reg 3 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	123	259	TOU Prior Season Reg 3 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	124	259	TOU Prior Season Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	125	259	TOU Prior Season Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	126	259	TOU Prior Season Reg 3 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	127	259	TOU Prior Season Reg 3 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	128	259	TOU Prior Season Reg 3 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	129	259	TOU Prior Season Reg 3 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	130	259	TOU Prior Season Reg 3 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	131	259	TOU Prior Season Reg 3 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	132	259	TOU Prior Season Reg 3 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	133	259	TOU Prior Season Reg 3 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1843	260	TOU Prior Season Reg 3 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1844	260	TOU Prior Season Reg 3 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1845	260	TOU Prior Season Reg 3 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1846	260	TOU Prior Season Reg 3 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1847	261	TOU Prior Season Reg 3 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1848	261	TOU Prior Season Reg 3 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	175	262	TOU Prior Season Reg 3 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	176	262	TOU Prior Season Reg 3 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	177	262	TOU Prior Season Reg 3 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	178	262	TOU Prior Season Reg 3 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Register 4 Block							
20	5	134	263	TOU Prior Season Reg 4 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	135	263	TOU Prior Season Reg 4 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	136	263	TOU Prior Season Reg 4 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	137	263	TOU Prior Season Reg 4 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	138	263	TOU Prior Season Reg 4 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	139	263	TOU Prior Season Reg 4 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	140	263	TOU Prior Season Reg 4 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	141	263	TOU Prior Season Reg 4 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	142	263	TOU Prior Season Reg 4 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	143	263	TOU Prior Season Reg 4 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	144	263	TOU Prior Season Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	145	263	TOU Prior Season Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	146	263	TOU Prior Season Reg 4 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	147	263	TOU Prior Season Reg 4 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	148	263	TOU Prior Season Reg 4 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	149	263	TOU Prior Season Reg 4 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	150	263	TOU Prior Season Reg 4 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	151	263	TOU Prior Season Reg 4 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	152	263	TOU Prior Season Reg 4 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	153	263	TOU Prior Season Reg 4 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1849	264	TOU Prior Season Reg 4 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1850	264	TOU Prior Season Reg 4 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1851	264	TOU Prior Season Reg 4 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1852	264	TOU Prior Season Reg 4 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1853	265	TOU Prior Season Reg 4 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1854	265	TOU Prior Season Reg 4 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	179	266	TOU Prior Season Reg 4 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	180	266	TOU Prior Season Reg 4 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	181	266	TOU Prior Season Reg 4 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	182	266	TOU Prior Season Reg 4 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Register 5 Block							
20	5	154	267	TOU Prior Season Reg 5 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	155	267	TOU Prior Season Reg 5 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	156	267	TOU Prior Season Reg 5 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	157	267	TOU Prior Season Reg 5 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	158	267	TOU Prior Season Reg 5 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	159	267	TOU Prior Season Reg 5 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	160	267	TOU Prior Season Reg 5 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	161	267	TOU Prior Season Reg 5 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	162	267	TOU Prior Season Reg 5 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	163	267	TOU Prior Season Reg 5 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	164	267	TOU Prior Season Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	165	267	TOU Prior Season Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	166	267	TOU Prior Season Reg 5 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	167	267	TOU Prior Season Reg 5 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	168	267	TOU Prior Season Reg 5 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	169	267	TOU Prior Season Reg 5 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	170	267	TOU Prior Season Reg 5 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	171	267	TOU Prior Season Reg 5 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	172	267	TOU Prior Season Reg 5 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	173	267	TOU Prior Season Reg 5 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1855	268	TOU Prior Season Reg 5 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1856	268	TOU Prior Season Reg 5 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1857	268	TOU Prior Season Reg 5 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1858	268	TOU Prior Season Reg 5 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1859	269	TOU Prior Season Reg 5 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1860	269	TOU Prior Season Reg 5 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	183	270	TOU Prior Season Reg 5 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	184	270	TOU Prior Season Reg 5 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	185	270	TOU Prior Season Reg 5 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	186	270	TOU Prior Season Reg 5 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Register 6 Block							
20	5	174	271	TOU Prior Season Reg 6 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	175	271	TOU Prior Season Reg 6 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	176	271	TOU Prior Season Reg 6 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	177	271	TOU Prior Season Reg 6 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	178	271	TOU Prior Season Reg 6 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	179	271	TOU Prior Season Reg 6 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	180	271	TOU Prior Season Reg 6 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	181	271	TOU Prior Season Reg 6 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	182	271	TOU Prior Season Reg 6 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	183	271	TOU Prior Season Reg 6 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	184	271	TOU Prior Season Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	185	271	TOU Prior Season Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	186	271	TOU Prior Season Reg 6 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	187	271	TOU Prior Season Reg 6 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	188	271	TOU Prior Season Reg 6 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	189	271	TOU Prior Season Reg 6 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	190	271	TOU Prior Season Reg 6 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	191	271	TOU Prior Season Reg 6 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	192	271	TOU Prior Season Reg 6 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	193	271	TOU Prior Season Reg 6 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1861	272	TOU Prior Season Reg 6 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1862	272	TOU Prior Season Reg 6 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1863	272	TOU Prior Season Reg 6 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1864	272	TOU Prior Season Reg 6 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1865	273	TOU Prior Season Reg 6 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1866	273	TOU Prior Season Reg 6 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	187	274	TOU Prior Season Reg 6 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	188	274	TOU Prior Season Reg 6 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	189	274	TOU Prior Season Reg 6 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	190	274	TOU Prior Season Reg 6 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Register 7 Block							
20	5	194	275	TOU Prior Season Reg 7 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	195	275	TOU Prior Season Reg 7 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	196	275	TOU Prior Season Reg 7 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	197	275	TOU Prior Season Reg 7 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	198	275	TOU Prior Season Reg 7 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	199	275	TOU Prior Season Reg 7 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	200	275	TOU Prior Season Reg 7 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	201	275	TOU Prior Season Reg 7 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	202	275	TOU Prior Season Reg 7 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	203	275	TOU Prior Season Reg 7 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	204	275	TOU Prior Season Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	205	275	TOU Prior Season Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	206	275	TOU Prior Season Reg 7 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	207	275	TOU Prior Season Reg 7 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	208	275	TOU Prior Season Reg 7 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	209	275	TOU Prior Season Reg 7 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	210	275	TOU Prior Season Reg 7 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	211	275	TOU Prior Season Reg 7 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	212	275	TOU Prior Season Reg 7 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	213	275	TOU Prior Season Reg 7 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1867	276	TOU Prior Season Reg 7 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1868	276	TOU Prior Season Reg 7 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1869	276	TOU Prior Season Reg 7 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1870	276	TOU Prior Season Reg 7 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1871	277	TOU Prior Season Reg 7 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1872	277	TOU Prior Season Reg 7 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	191	278	TOU Prior Season Reg 7 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	192	278	TOU Prior Season Reg 7 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	193	278	TOU Prior Season Reg 7 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	194	278	TOU Prior Season Reg 7 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Register 8 Block							
20	5	214	279	TOU Prior Season Reg 8 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	215	279	TOU Prior Season Reg 8 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	216	279	TOU Prior Season Reg 8 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	217	279	TOU Prior Season Reg 8 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	218	279	TOU Prior Season Reg 8 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	219	279	TOU Prior Season Reg 8 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	220	279	TOU Prior Season Reg 8 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	221	279	TOU Prior Season Reg 8 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	222	279	TOU Prior Season Reg 8 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	223	279	TOU Prior Season Reg 8 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	224	279	TOU Prior Season Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	225	279	TOU Prior Season Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	226	279	TOU Prior Season Reg 8 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	227	279	TOU Prior Season Reg 8 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	228	279	TOU Prior Season Reg 8 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	229	279	TOU Prior Season Reg 8 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	230	279	TOU Prior Season Reg 8 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	231	279	TOU Prior Season Reg 8 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	232	279	TOU Prior Season Reg 8 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	233	279	TOU Prior Season Reg 8 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1873	280	TOU Prior Season Reg 8 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1874	280	TOU Prior Season Reg 8 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1875	280	TOU Prior Season Reg 8 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1876	280	TOU Prior Season Reg 8 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1877	281	TOU Prior Season Reg 8 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1878	281	TOU Prior Season Reg 8 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	195	282	TOU Prior Season Reg 8 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	196	282	TOU Prior Season Reg 8 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	197	282	TOU Prior Season Reg 8 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	198	282	TOU Prior Season Reg 8 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Season Total Block							
20	5	234	283	TOU Prior Season Total Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	235	283	TOU Prior Season Total Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	236	283	TOU Prior Season Total VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	237	283	TOU Prior Season Total VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	238	283	TOU Prior Season Total VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	239	283	TOU Prior Season Total VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	240	283	TOU Prior Season Total VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	241	283	TOU Prior Season Total VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	242	283	TOU Prior Season Total VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	243	283	TOU Prior Season Total VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	244	283	TOU Prior Season Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	245	283	TOU Prior Season Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	246	283	TOU Prior Season Total VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	247	283	TOU Prior Season Total VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	248	283	TOU Prior Season Total VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	249	283	TOU Prior Season Total VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	250	283	TOU Prior Season Total VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	251	283	TOU Prior Season Total VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	252	283	TOU Prior Season Total VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	253	283	TOU Prior Season Total VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1879	284	TOU Prior Season Total Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1880	284	TOU Prior Season Total Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1881	284	TOU Prior Season Total Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1882	284	TOU Prior Season Total Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1883	285	TOU Prior Season Total Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1884	285	TOU Prior Season Total Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	199	286	TOU Prior Season Total Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	200	286	TOU Prior Season Total Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	201	286	TOU Prior Season Total Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	202	286	TOU Prior Season Total Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 1 Block							
20	5	254	287	TOU Prior Month Reg 1 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	255	287	TOU Prior Month Reg 1 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	256	287	TOU Prior Month Reg 1 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	257	287	TOU Prior Month Reg 1 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	258	287	TOU Prior Month Reg 1 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	259	287	TOU Prior Month Reg 1 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	260	287	TOU Prior Month Reg 1 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	261	287	TOU Prior Month Reg 1 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	262	287	TOU Prior Month Reg 1 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	263	287	TOU Prior Month Reg 1 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	264	287	TOU Prior Month Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	265	287	TOU Prior Month Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	266	287	TOU Prior Month Reg 1 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	267	287	TOU Prior Month Reg 1 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	268	287	TOU Prior Month Reg 1 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	269	287	TOU Prior Month Reg 1 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	270	287	TOU Prior Month Reg 1 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	271	287	TOU Prior Month Reg 1 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	272	287	TOU Prior Month Reg 1 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	273	287	TOU Prior Month Reg 1 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1885	288	TOU Prior Month Reg 1 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1886	288	TOU Prior Month Reg 1 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1887	288	TOU Prior Month Reg 1 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1888	288	TOU Prior Month Reg 1 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1889	289	TOU Prior Month Reg 1 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1890	289	TOU Prior Month Reg 1 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	203	290	TOU Prior Month Reg 1 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	204	290	TOU Prior Month Reg 1 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	205	290	TOU Prior Month Reg 1 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	206	290	TOU Prior Month Reg 1 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 2 Block							
20	5	274	291	TOU Prior Month Reg 2 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	275	291	TOU Prior Month Reg 2 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	276	291	TOU Prior Month Reg 2 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	277	291	TOU Prior Month Reg 2 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	278	291	TOU Prior Month Reg 2 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	279	291	TOU Prior Month Reg 2 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	280	291	TOU Prior Month Reg 2 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	281	291	TOU Prior Month Reg 2 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	282	291	TOU Prior Month Reg 2 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	283	291	TOU Prior Month Reg 2 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	284	291	TOU Prior Month Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	285	291	TOU Prior Month Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	286	291	TOU Prior Month Reg 2 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	287	291	TOU Prior Month Reg 2 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	288	291	TOU Prior Month Reg 2 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	289	291	TOU Prior Month Reg 2 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	290	291	TOU Prior Month Reg 2 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	291	291	TOU Prior Month Reg 2 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	292	291	TOU Prior Month Reg 2 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	293	291	TOU Prior Month Reg 2 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1891	292	TOU Prior Month Reg 2 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1892	292	TOU Prior Month Reg 2 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1893	292	TOU Prior Month Reg 2 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1894	292	TOU Prior Month Reg 2 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1895	293	TOU Prior Month Reg 2 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1896	293	TOU Prior Month Reg 2 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	207	294	TOU Prior Month Reg 2 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	208	294	TOU Prior Month Reg 2 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	209	294	TOU Prior Month Reg 2 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	210	294	TOU Prior Month Reg 2 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 3 Block							
20	5	294	295	TOU Prior Month Reg 3 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	295	295	TOU Prior Month Reg 3 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	296	295	TOU Prior Month Reg 3 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	297	295	TOU Prior Month Reg 3 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	298	295	TOU Prior Month Reg 3 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	299	295	TOU Prior Month Reg 3 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	300	295	TOU Prior Month Reg 3 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	301	295	TOU Prior Month Reg 3 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	302	295	TOU Prior Month Reg 3 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	303	295	TOU Prior Month Reg 3 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	304	295	TOU Prior Month Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	305	295	TOU Prior Month Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	306	295	TOU Prior Month Reg 3 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	307	295	TOU Prior Month Reg 3 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	308	295	TOU Prior Month Reg 3 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	309	295	TOU Prior Month Reg 3 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	310	295	TOU Prior Month Reg 3 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	311	295	TOU Prior Month Reg 3 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	312	295	TOU Prior Month Reg 3 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	313	295	TOU Prior Month Reg 3 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1897	296	TOU Prior Month Reg 3 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1898	296	TOU Prior Month Reg 3 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1899	296	TOU Prior Month Reg 3 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1900	296	TOU Prior Month Reg 3 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1901	297	TOU Prior Month Reg 3 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1902	297	TOU Prior Month Reg 3 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	211	298	TOU Prior Month Reg 3 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	212	298	TOU Prior Month Reg 3 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	213	298	TOU Prior Month Reg 3 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	214	298	TOU Prior Month Reg 3 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 4 Block							
20	5	314	299	TOU Prior Month Reg 4 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	315	299	TOU Prior Month Reg 4 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	316	299	TOU Prior Month Reg 4 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	317	299	TOU Prior Month Reg 4 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	318	299	TOU Prior Month Reg 4 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	319	299	TOU Prior Month Reg 4 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	320	299	TOU Prior Month Reg 4 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	321	299	TOU Prior Month Reg 4 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	322	299	TOU Prior Month Reg 4 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	323	299	TOU Prior Month Reg 4 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	324	299	TOU Prior Month Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	325	299	TOU Prior Month Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	326	299	TOU Prior Month Reg 4 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	327	299	TOU Prior Month Reg 4 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	328	299	TOU Prior Month Reg 4 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	329	299	TOU Prior Month Reg 4 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	330	299	TOU Prior Month Reg 4 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	331	299	TOU Prior Month Reg 4 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	332	299	TOU Prior Month Reg 4 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	333	299	TOU Prior Month Reg 4 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1903	300	TOU Prior Month Reg 4 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	1904	300	TOU Prior Month Reg 4 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1905	300	TOU Prior Month Reg 4 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1906	300	TOU Prior Month Reg 4 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1907	301	TOU Prior Month Reg 4 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1908	301	TOU Prior Month Reg 4 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	215	302	TOU Prior Month Reg 4 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	216	302	TOU Prior Month Reg 4 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	217	302	TOU Prior Month Reg 4 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	218	302	TOU Prior Month Reg 4 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 5 Block							
20	5	334	303	TOU Prior Month Reg 5 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	335	303	TOU Prior Month Reg 5 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	336	303	TOU Prior Month Reg 5 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	337	303	TOU Prior Month Reg 5 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	338	303	TOU Prior Month Reg 5 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	339	303	TOU Prior Month Reg 5 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	340	303	TOU Prior Month Reg 5 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	341	303	TOU Prior Month Reg 5 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	342	303	TOU Prior Month Reg 5 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	343	303	TOU Prior Month Reg 5 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	344	303	TOU Prior Month Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	345	303	TOU Prior Month Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	346	303	TOU Prior Month Reg 5 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	347	303	TOU Prior Month Reg 5 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	348	303	TOU Prior Month Reg 5 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	349	303	TOU Prior Month Reg 5 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	350	303	TOU Prior Month Reg 5 VAhour (Quadrant 3)	9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	351	303	TOU Prior Month Reg 5 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	352	303	TOU Prior Month Reg 5 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	353	303	TOU Prior Month Reg 5 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1909	304	TOU Prior Month Reg 5 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1910	304	TOU Prior Month Reg 5 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1911	304	TOU Prior Month Reg 5 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	1912	304	TOU Prior Month Reg 5 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1913	305	TOU Prior Month Reg 5 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1914	305	TOU Prior Month Reg 5 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	219	306	TOU Prior Month Reg 5 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	220	306	TOU Prior Month Reg 5 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	221	306	TOU Prior Month Reg 5 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	222	306	TOU Prior Month Reg 5 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 6 Block							
20	5	354	307	TOU Prior Month Reg 6 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	355	307	TOU Prior Month Reg 6 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	356	307	TOU Prior Month Reg 6 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	357	307	TOU Prior Month Reg 6 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	358	307	TOU Prior Month Reg 6 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	359	307	TOU Prior Month Reg 6 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	360	307	TOU Prior Month Reg 6 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	361	307	TOU Prior Month Reg 6 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	362	307	TOU Prior Month Reg 6 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	363	307	TOU Prior Month Reg 6 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	364	307	TOU Prior Month Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	365	307	TOU Prior Month Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	366	307	TOU Prior Month Reg 6 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	367	307	TOU Prior Month Reg 6 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	368	307	TOU Prior Month Reg 6 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	369	307	TOU Prior Month Reg 6 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	370	307	TOU Prior Month Reg 6 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	371	307	TOU Prior Month Reg 6 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	372	307	TOU Prior Month Reg 6 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	373	307	TOU Prior Month Reg 6 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1915	308	TOU Prior Month Reg 6 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1916	308	TOU Prior Month Reg 6 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1917	308	TOU Prior Month Reg 6 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1918	308	TOU Prior Month Reg 6 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1919	309	TOU Prior Month Reg 6 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	1920	309	TOU Prior Month Reg 6 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	223	310	TOU Prior Month Reg 6 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	224	310	TOU Prior Month Reg 6 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	225	310	TOU Prior Month Reg 6 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	226	310	TOU Prior Month Reg 6 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 7 Block							
20	5	374	311	TOU Prior Month Reg 7 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	375	311	TOU Prior Month Reg 7 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	376	311	TOU Prior Month Reg 7 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	377	311	TOU Prior Month Reg 7 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	378	311	TOU Prior Month Reg 7 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	379	311	TOU Prior Month Reg 7 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	380	311	TOU Prior Month Reg 7 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	381	311	TOU Prior Month Reg 7 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	382	311	TOU Prior Month Reg 7 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	383	311	TOU Prior Month Reg 7 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	384	311	TOU Prior Month Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	385	311	TOU Prior Month Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	386	311	TOU Prior Month Reg 7 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	387	311	TOU Prior Month Reg 7 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	388	311	TOU Prior Month Reg 7 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	389	311	TOU Prior Month Reg 7 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	390	311	TOU Prior Month Reg 7 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	391	311	TOU Prior Month Reg 7 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	392	311	TOU Prior Month Reg 7 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	393	311	TOU Prior Month Reg 7 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1921	312	TOU Prior Month Reg 7 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1922	312	TOU Prior Month Reg 7 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1923	312	TOU Prior Month Reg 7 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1924	312	TOU Prior Month Reg 7 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1925	313	TOU Prior Month Reg 7 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1926	313	TOU Prior Month Reg 7 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	227	314	TOU Prior Month Reg 7 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	228	314	TOU Prior Month Reg 7 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	229	314	TOU Prior Month Reg 7 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	230	314	TOU Prior Month Reg 7 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Register 8 Block							
20	5	394	315	TOU Prior Month Reg 8 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	395	315	TOU Prior Month Reg 8 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	396	315	TOU Prior Month Reg 8 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	397	315	TOU Prior Month Reg 8 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	398	315	TOU Prior Month Reg 8 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	399	315	TOU Prior Month Reg 8 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	400	315	TOU Prior Month Reg 8 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	401	315	TOU Prior Month Reg 8 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	402	315	TOU Prior Month Reg 8 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	403	315	TOU Prior Month Reg 8 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	404	315	TOU Prior Month Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	405	315	TOU Prior Month Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	406	315	TOU Prior Month Reg 8 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	407	315	TOU Prior Month Reg 8 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	408	315	TOU Prior Month Reg 8 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	409	315	TOU Prior Month Reg 8 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	410	315	TOU Prior Month Reg 8 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	411	315	TOU Prior Month Reg 8 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	412	315	TOU Prior Month Reg 8 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	413	315	TOU Prior Month Reg 8 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1927	316	TOU Prior Month Reg 8 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1928	316	TOU Prior Month Reg 8 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1929	316	TOU Prior Month Reg 8 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1930	316	TOU Prior Month Reg 8 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1931	317	TOU Prior Month Reg 8 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1932	317	TOU Prior Month Reg 8 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	231	318	TOU Prior Month Reg 8 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	232	318	TOU Prior Month Reg 8 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	233	318	TOU Prior Month Reg 8 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	234	318	TOU Prior Month Reg 8 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Prior Month Total Block							
20	5	414	319	TOU Prior Month Total Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	415	319	TOU Prior Month Total Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	416	319	TOU Prior Month Total VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	417	319	TOU Prior Month Total VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	418	319	TOU Prior Month Total VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	419	319	TOU Prior Month Total VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	420	319	TOU Prior Month Total VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	421	319	TOU Prior Month Total VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	422	319	TOU Prior Month Total VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	423	319	TOU Prior Month Total VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	424	319	TOU Prior Month Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	425	319	TOU Prior Month Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	426	319	TOU Prior Month Total VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	427	319	TOU Prior Month Total VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	428	319	TOU Prior Month Total VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	429	319	TOU Prior Month Total VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	430	319	TOU Prior Month Total VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	431	319	TOU Prior Month Total VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	432	319	TOU Prior Month Total VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	433	319	TOU Prior Month Total VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1933	320	TOU Prior Month Total Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1934	320	TOU Prior Month Total Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1935	320	TOU Prior Month Total Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1936	320	TOU Prior Month Total Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1937	321	TOU Prior Month Total Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1938	321	TOU Prior Month Total Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	235	322	TOU Prior Month Total Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	236	322	TOU Prior Month Total Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	237	322	TOU Prior Month Total Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	238	322	TOU Prior Month Total Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 1 Block							

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	434	323	TOU Current Season Reg 1 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	435	323	TOU Current Season Reg 1 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	436	323	TOU Current Season Reg 1 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	437	323	TOU Current Season Reg 1 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	438	323	TOU Current Season Reg 1 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	439	323	TOU Current Season Reg 1 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	440	323	TOU Current Season Reg 1 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	441	323	TOU Current Season Reg 1 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	442	323	TOU Current Season Reg 1 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	443	323	TOU Current Season Reg 1 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	444	323	TOU Current Season Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	445	323	TOU Current Season Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	446	323	TOU Current Season Reg 1 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	447	323	TOU Current Season Reg 1 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	448	323	TOU Current Season Reg 1 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	449	323	TOU Current Season Reg 1 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	450	323	TOU Current Season Reg 1 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	451	323	TOU Current Season Reg 1 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	452	323	TOU Current Season Reg 1 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	453	323	TOU Current Season Reg 1 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1939	324	TOU Current Season Reg 1 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1940	324	TOU Current Season Reg 1 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1941	324	TOU Current Season Reg 1 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1942	324	TOU Current Season Reg 1 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1943	325	TOU Current Season Reg 1 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1944	325	TOU Current Season Reg 1 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	239	326	TOU Current Season Reg 1 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	240	326	TOU Current Season Reg 1 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	241	326	TOU Current Season Reg 1 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	242	326	TOU Current Season Reg 1 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 2 Block							
20	5	454	327	TOU Current Season Reg 2 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	455	327	TOU Current Season Reg 2 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	456	327	TOU Current Season Reg 2 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	457	327	TOU Current Season Reg 2 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	458	327	TOU Current Season Reg 2 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	459	327	TOU Current Season Reg 2 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	460	327	TOU Current Season Reg 2 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	461	327	TOU Current Season Reg 2 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	462	327	TOU Current Season Reg 2 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	463	327	TOU Current Season Reg 2 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	464	327	TOU Current Season Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	465	327	TOU Current Season Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	466	327	TOU Current Season Reg 2 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	467	327	TOU Current Season Reg 2 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	468	327	TOU Current Season Reg 2 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	469	327	TOU Current Season Reg 2 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	470	327	TOU Current Season Reg 2 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	471	327	TOU Current Season Reg 2 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	472	327	TOU Current Season Reg 2 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	473	327	TOU Current Season Reg 2 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1945	328	TOU Current Season Reg 2 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1946	328	TOU Current Season Reg 2 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1947	328	TOU Current Season Reg 2 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1948	328	TOU Current Season Reg 2 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1949	329	TOU Current Season Reg 2 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1950	329	TOU Current Season Reg 2 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	243	330	TOU Current Season Reg 2 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	244	330	TOU Current Season Reg 2 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	245	330	TOU Current Season Reg 2 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	246	330	TOU Current Season Reg 2 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 3 Block							
20	5	474	331	TOU Current Season Reg 3 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	475	331	TOU Current Season Reg 3 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	476	331	TOU Current Season Reg 3 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	477	331	TOU Current Season Reg 3 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	478	331	TOU Current Season Reg 3 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	479	331	TOU Current Season Reg 3 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	480	331	TOU Current Season Reg 3 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	481	331	TOU Current Season Reg 3 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	482	331	TOU Current Season Reg 3 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	483	331	TOU Current Season Reg 3 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	484	331	TOU Current Season Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	485	331	TOU Current Season Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	486	331	TOU Current Season Reg 3 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	487	331	TOU Current Season Reg 3 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	488	331	TOU Current Season Reg 3 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	489	331	TOU Current Season Reg 3 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	490	331	TOU Current Season Reg 3 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	491	331	TOU Current Season Reg 3 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	492	331	TOU Current Season Reg 3 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	493	331	TOU Current Season Reg 3 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1951	332	TOU Current Season Reg 3 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1952	332	TOU Current Season Reg 3 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1953	332	TOU Current Season Reg 3 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1954	332	TOU Current Season Reg 3 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1955	333	TOU Current Season Reg 3 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1956	333	TOU Current Season Reg 3 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	247	334	TOU Current Season Reg 3 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	248	334	TOU Current Season Reg 3 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	249	334	TOU Current Season Reg 3 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	250	334	TOU Current Season Reg 3 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 4 Block							
20	5	494	335	TOU Current Season Reg 4 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	495	335	TOU Current Season Reg 4 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	496	335	TOU Current Season Reg 4 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	497	335	TOU Current Season Reg 4 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	498	335	TOU Current Season Reg 4 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	499	335	TOU Current Season Reg 4 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	500	335	TOU Current Season Reg 4 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	501	335	TOU Current Season Reg 4 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	502	335	TOU Current Season Reg 4 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	503	335	TOU Current Season Reg 4 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	504	335	TOU Current Season Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	505	335	TOU Current Season Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	506	335	TOU Current Season Reg 4 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	507	335	TOU Current Season Reg 4 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	508	335	TOU Current Season Reg 4 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	509	335	TOU Current Season Reg 4 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	510	335	TOU Current Season Reg 4 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	511	335	TOU Current Season Reg 4 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	512	335	TOU Current Season Reg 4 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	513	335	TOU Current Season Reg 4 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1957	336	TOU Current Season Reg 4 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1958	336	TOU Current Season Reg 4 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1959	336	TOU Current Season Reg 4 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1960	336	TOU Current Season Reg 4 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1961	337	TOU Current Season Reg 4 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1962	337	TOU Current Season Reg 4 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	251	338	TOU Current Season Reg 4 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	252	338	TOU Current Season Reg 4 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	253	338	TOU Current Season Reg 4 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	254	338	TOU Current Season Reg 4 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 5 Block							
20	5	514	339	TOU Current Season Reg 5 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	515	339	TOU Current Season Reg 5 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	516	339	TOU Current Season Reg 5 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	517	339	TOU Current Season Reg 5 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	518	339	TOU Current Season Reg 5 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	519	339	TOU Current Season Reg 5 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	520	339	TOU Current Season Reg 5 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	521	339	TOU Current Season Reg 5 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	522	339	TOU Current Season Reg 5 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	523	339	TOU Current Season Reg 5 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	524	339	TOU Current Season Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	525	339	TOU Current Season Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	526	339	TOU Current Season Reg 5 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	527	339	TOU Current Season Reg 5 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	528	339	TOU Current Season Reg 5 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	529	339	TOU Current Season Reg 5 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	530	339	TOU Current Season Reg 5 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	531	339	TOU Current Season Reg 5 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	532	339	TOU Current Season Reg 5 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	533	339	TOU Current Season Reg 5 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1963	340	TOU Current Season Reg 5 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1964	340	TOU Current Season Reg 5 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1965	340	TOU Current Season Reg 5 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1966	340	TOU Current Season Reg 5 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1967	341	TOU Current Season Reg 5 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1968	341	TOU Current Season Reg 5 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	255	342	TOU Current Season Reg 5 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	256	342	TOU Current Season Reg 5 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	257	342	TOU Current Season Reg 5 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	258	342	TOU Current Season Reg 5 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 6 Block							
20	5	534	343	TOU Current Season Reg 6 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	535	343	TOU Current Season Reg 6 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	536	343	TOU Current Season Reg 6 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	537	343	TOU Current Season Reg 6 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	538	343	TOU Current Season Reg 6 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	539	343	TOU Current Season Reg 6 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	540	343	TOU Current Season Reg 6 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	541	343	TOU Current Season Reg 6 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	542	343	TOU Current Season Reg 6 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	543	343	TOU Current Season Reg 6 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	544	343	TOU Current Season Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	545	343	TOU Current Season Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	546	343	TOU Current Season Reg 6 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	547	343	TOU Current Season Reg 6 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	548	343	TOU Current Season Reg 6 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	549	343	TOU Current Season Reg 6 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	550	343	TOU Current Season Reg 6 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	551	343	TOU Current Season Reg 6 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	552	343	TOU Current Season Reg 6 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	553	343	TOU Current Season Reg 6 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1969	344	TOU Current Season Reg 6 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1970	344	TOU Current Season Reg 6 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1971	344	TOU Current Season Reg 6 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1972	344	TOU Current Season Reg 6 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1973	345	TOU Current Season Reg 6 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1974	345	TOU Current Season Reg 6 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	259	346	TOU Current Season Reg 6 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	260	346	TOU Current Season Reg 6 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	261	346	TOU Current Season Reg 6 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	262	346	TOU Current Season Reg 6 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 7 Block							
20	5	554	347	TOU Current Season Reg 7 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	555	347	TOU Current Season Reg 7 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	556	347	TOU Current Season Reg 7 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	557	347	TOU Current Season Reg 7 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	558	347	TOU Current Season Reg 7 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	559	347	TOU Current Season Reg 7 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	560	347	TOU Current Season Reg 7 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	561	347	TOU Current Season Reg 7 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	562	347	TOU Current Season Reg 7 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	563	347	TOU Current Season Reg 7 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	564	347	TOU Current Season Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	565	347	TOU Current Season Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	566	347	TOU Current Season Reg 7 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	567	347	TOU Current Season Reg 7 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	568	347	TOU Current Season Reg 7 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	569	347	TOU Current Season Reg 7 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	570	347	TOU Current Season Reg 7 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	571	347	TOU Current Season Reg 7 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	572	347	TOU Current Season Reg 7 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	573	347	TOU Current Season Reg 7 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1975	348	TOU Current Season Reg 7 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1976	348	TOU Current Season Reg 7 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1977	348	TOU Current Season Reg 7 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1978	348	TOU Current Season Reg 7 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1979	349	TOU Current Season Reg 7 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1980	349	TOU Current Season Reg 7 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	263	350	TOU Current Season Reg 7 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	264	350	TOU Current Season Reg 7 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	265	350	TOU Current Season Reg 7 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	266	350	TOU Current Season Reg 7 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Register 8 Block							
20	5	574	351	TOU Current Season Reg 8 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	575	351	TOU Current Season Reg 8 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	576	351	TOU Current Season Reg 8 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	577	351	TOU Current Season Reg 8 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	578	351	TOU Current Season Reg 8 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	579	351	TOU Current Season Reg 8 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	580	351	TOU Current Season Reg 8 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	581	351	TOU Current Season Reg 8 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	582	351	TOU Current Season Reg 8 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	583	351	TOU Current Season Reg 8 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	584	351	TOU Current Season Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	585	351	TOU Current Season Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	586	351	TOU Current Season Reg 8 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	587	351	TOU Current Season Reg 8 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	588	351	TOU Current Season Reg 8 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	589	351	TOU Current Season Reg 8 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	590	351	TOU Current Season Reg 8 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	591	351	TOU Current Season Reg 8 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	592	351	TOU Current Season Reg 8 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	593	351	TOU Current Season Reg 8 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1981	352	TOU Current Season Reg 8 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1982	352	TOU Current Season Reg 8 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1983	352	TOU Current Season Reg 8 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1984	352	TOU Current Season Reg 8 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1985	353	TOU Current Season Reg 8 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1986	353	TOU Current Season Reg 8 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	267	354	TOU Current Season Reg 8 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	268	354	TOU Current Season Reg 8 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	269	354	TOU Current Season Reg 8 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	270	354	TOU Current Season Reg 8 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Season Total Block							
20	5	594	355	TOU Current Season Total Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	595	355	TOU Current Season Total Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	596	355	TOU Current Season Total VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	597	355	TOU Current Season Total VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	598	355	TOU Current Season Total VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	599	355	TOU Current Season Total VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	600	355	TOU Current Season Total VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	601	355	TOU Current Season Total VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	602	355	TOU Current Season Total VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	603	355	TOU Current Season Total VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	604	355	TOU Current Season Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	605	355	TOU Current Season Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	606	355	TOU Current Season Total VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	607	355	TOU Current Season Total VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	608	355	TOU Current Season Total VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	609	355	TOU Current Season Total VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	610	355	TOU Current Season Total VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	611	355	TOU Current Season Total VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	612	355	TOU Current Season Total VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	613	355	TOU Current Season Total VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1987	356	TOU Current Season Total Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1988	356	TOU Current Season Total Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1989	356	TOU Current Season Total Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1990	356	TOU Current Season Total Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1991	357	TOU Current Season Total Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1992	357	TOU Current Season Total Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	271	358	TOU Current Season Total Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	272	358	TOU Current Season Total Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	273	358	TOU Current Season Total Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	274	358	TOU Current Season Total Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 1 Block							
20	5	614	359	TOU Current Month Reg 1 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	615	359	TOU Current Month Reg 1 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	616	359	TOU Current Month Reg 1 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	617	359	TOU Current Month Reg 1 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	618	359	TOU Current Month Reg 1 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	619	359	TOU Current Month Reg 1 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	620	359	TOU Current Month Reg 1 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	621	359	TOU Current Month Reg 1 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	622	359	TOU Current Month Reg 1 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	623	359	TOU Current Month Reg 1 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	624	359	TOU Current Month Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	625	359	TOU Current Month Reg 1 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	626	359	TOU Current Month Reg 1 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	627	359	TOU Current Month Reg 1 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	628	359	TOU Current Month Reg 1 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	629	359	TOU Current Month Reg 1 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	630	359	TOU Current Month Reg 1 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	631	359	TOU Current Month Reg 1 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	632	359	TOU Current Month Reg 1 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	633	359	TOU Current Month Reg 1 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	1993	360	TOU Current Month Reg 1 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	1994	360	TOU Current Month Reg 1 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	1995	360	TOU Current Month Reg 1 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	1996	360	TOU Current Month Reg 1 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	1997	361	TOU Current Month Reg 1 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	1998	361	TOU Current Month Reg 1 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	275	362	TOU Current Month Reg 1 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	276	362	TOU Current Month Reg 1 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	277	362	TOU Current Month Reg 1 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	278	362	TOU Current Month Reg 1 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 2 Block							
20	5	634	363	TOU Current Month Reg 2 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	635	363	TOU Current Month Reg 2 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	636	363	TOU Current Month Reg 2 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	637	363	TOU Current Month Reg 2 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	638	363	TOU Current Month Reg 2 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	639	363	TOU Current Month Reg 2 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	640	363	TOU Current Month Reg 2 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	641	363	TOU Current Month Reg 2 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	642	363	TOU Current Month Reg 2 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	643	363	TOU Current Month Reg 2 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	644	363	TOU Current Month Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	645	363	TOU Current Month Reg 2 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	646	363	TOU Current Month Reg 2 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	647	363	TOU Current Month Reg 2 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	648	363	TOU Current Month Reg 2 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	649	363	TOU Current Month Reg 2 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	650	363	TOU Current Month Reg 2 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	651	363	TOU Current Month Reg 2 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	652	363	TOU Current Month Reg 2 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	653	363	TOU Current Month Reg 2 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	1999	364	TOU Current Month Reg 2 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2000	364	TOU Current Month Reg 2 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2001	364	TOU Current Month Reg 2 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2002	364	TOU Current Month Reg 2 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2003	365	TOU Current Month Reg 2 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2004	365	TOU Current Month Reg 2 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	279	366	TOU Current Month Reg 2 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	280	366	TOU Current Month Reg 2 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	281	366	TOU Current Month Reg 2 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	282	366	TOU Current Month Reg 2 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 3 Block							
20	5	654	367	TOU Current Month Reg 3 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	655	367	TOU Current Month Reg 3 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	656	367	TOU Current Month Reg 3 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	657	367	TOU Current Month Reg 3 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	658	367	TOU Current Month Reg 3 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	659	367	TOU Current Month Reg 3 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	660	367	TOU Current Month Reg 3 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	661	367	TOU Current Month Reg 3 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	662	367	TOU Current Month Reg 3 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	663	367	TOU Current Month Reg 3 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	664	367	TOU Current Month Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	665	367	TOU Current Month Reg 3 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	666	367	TOU Current Month Reg 3 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	667	367	TOU Current Month Reg 3 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	668	367	TOU Current Month Reg 3 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	669	367	TOU Current Month Reg 3 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	670	367	TOU Current Month Reg 3 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	671	367	TOU Current Month Reg 3 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	672	367	TOU Current Month Reg 3 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	673	367	TOU Current Month Reg 3 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2005	368	TOU Current Month Reg 3 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2006	368	TOU Current Month Reg 3 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	2007	368	TOU Current Month Reg 3 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2008	368	TOU Current Month Reg 3 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2009	369	TOU Current Month Reg 3 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2010	369	TOU Current Month Reg 3 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	283	370	TOU Current Month Reg 3 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	284	370	TOU Current Month Reg 3 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	285	370	TOU Current Month Reg 3 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	286	370	TOU Current Month Reg 3 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 4 Block							
20	5	674	371	TOU Current Month Reg 4 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	675	371	TOU Current Month Reg 4 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	676	371	TOU Current Month Reg 4 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	677	371	TOU Current Month Reg 4 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	678	371	TOU Current Month Reg 4 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	679	371	TOU Current Month Reg 4 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	680	371	TOU Current Month Reg 4 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	681	371	TOU Current Month Reg 4 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	682	371	TOU Current Month Reg 4 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	683	371	TOU Current Month Reg 4 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	684	371	TOU Current Month Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	685	371	TOU Current Month Reg 4 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	686	371	TOU Current Month Reg 4 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	687	371	TOU Current Month Reg 4 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	688	371	TOU Current Month Reg 4 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	689	371	TOU Current Month Reg 4 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	690	371	TOU Current Month Reg 4 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	691	371	TOU Current Month Reg 4 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	692	371	TOU Current Month Reg 4 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	693	371	TOU Current Month Reg 4 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2011	372	TOU Current Month Reg 4 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2012	372	TOU Current Month Reg 4 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2013	372	TOU Current Month Reg 4 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2014	372	TOU Current Month Reg 4 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
30	3	2015	373	TOU Current Month Reg 4 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2016	373	TOU Current Month Reg 4 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	287	374	TOU Current Month Reg 4 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	288	374	TOU Current Month Reg 4 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	289	374	TOU Current Month Reg 4 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	290	374	TOU Current Month Reg 4 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 5 Block							
20	5	694	375	TOU Current Month Reg 5 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	695	375	TOU Current Month Reg 5 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	696	375	TOU Current Month Reg 5 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	697	375	TOU Current Month Reg 5 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	698	375	TOU Current Month Reg 5 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	699	375	TOU Current Month Reg 5 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	700	375	TOU Current Month Reg 5 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	701	375	TOU Current Month Reg 5 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	702	375	TOU Current Month Reg 5 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	703	375	TOU Current Month Reg 5 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	704	375	TOU Current Month Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	705	375	TOU Current Month Reg 5 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	706	375	TOU Current Month Reg 5 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	707	375	TOU Current Month Reg 5 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	708	375	TOU Current Month Reg 5 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	709	375	TOU Current Month Reg 5 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	710	375	TOU Current Month Reg 5 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	711	375	TOU Current Month Reg 5 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	712	375	TOU Current Month Reg 5 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	713	375	TOU Current Month Reg 5 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2017	376	TOU Current Month Reg 5 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2018	376	TOU Current Month Reg 5 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2019	376	TOU Current Month Reg 5 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2020	376	TOU Current Month Reg 5 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2021	377	TOU Current Month Reg 5 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2022	377	TOU Current Month Reg 5 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	291	378	TOU Current Month Reg 5 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	292	378	TOU Current Month Reg 5 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	293	378	TOU Current Month Reg 5 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	294	378	TOU Current Month Reg 5 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 6 Block							
20	5	714	379	TOU Current Month Reg 6 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	715	379	TOU Current Month Reg 6 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	716	379	TOU Current Month Reg 6 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	717	379	TOU Current Month Reg 6 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	718	379	TOU Current Month Reg 6 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	719	379	TOU Current Month Reg 6 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	720	379	TOU Current Month Reg 6 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	721	379	TOU Current Month Reg 6 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	722	379	TOU Current Month Reg 6 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	723	379	TOU Current Month Reg 6 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	724	379	TOU Current Month Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	725	379	TOU Current Month Reg 6 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	726	379	TOU Current Month Reg 6 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	727	379	TOU Current Month Reg 6 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	728	379	TOU Current Month Reg 6 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	729	379	TOU Current Month Reg 6 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	730	379	TOU Current Month Reg 6 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	731	379	TOU Current Month Reg 6 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	732	379	TOU Current Month Reg 6 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	733	379	TOU Current Month Reg 6 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2023	380	TOU Current Month Reg 6 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2024	380	TOU Current Month Reg 6 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2025	380	TOU Current Month Reg 6 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2026	380	TOU Current Month Reg 6 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2027	381	TOU Current Month Reg 6 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2028	381	TOU Current Month Reg 6 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	295	382	TOU Current Month Reg 6 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	296	382	TOU Current Month Reg 6 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
50	1	297	382	TOU Current Month Reg 6 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	298	382	TOU Current Month Reg 6 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Register 7 Block							
20	5	734	383	TOU Current Month Reg 7 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	735	383	TOU Current Month Reg 7 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	736	383	TOU Current Month Reg 7 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	737	383	TOU Current Month Reg 7 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	738	383	TOU Current Month Reg 7 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	739	383	TOU Current Month Reg 7 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	740	383	TOU Current Month Reg 7 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	741	383	TOU Current Month Reg 7 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	742	383	TOU Current Month Reg 7 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	743	383	TOU Current Month Reg 7 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	744	383	TOU Current Month Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	745	383	TOU Current Month Reg 7 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	746	383	TOU Current Month Reg 7 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	747	383	TOU Current Month Reg 7 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	748	383	TOU Current Month Reg 7 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	749	383	TOU Current Month Reg 7 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	750	383	TOU Current Month Reg 7 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	751	383	TOU Current Month Reg 7 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	752	383	TOU Current Month Reg 7 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	753	383	TOU Current Month Reg 7 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2029	384	TOU Current Month Reg 7 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2030	384	TOU Current Month Reg 7 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2031	384	TOU Current Month Reg 7 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2032	384	TOU Current Month Reg 7 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2033	385	TOU Current Month Reg 7 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2034	385	TOU Current Month Reg 7 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	299	386	TOU Current Month Reg 7 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	300	386	TOU Current Month Reg 7 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	301	386	TOU Current Month Reg 7 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	302	386	TOU Current Month Reg 7 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	

Obj	Var	Index	Line	Description	Range	Units	Type
Time of Use Current Month Register 8 Block							
20	5	754	387	TOU Current Month Reg 8 Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15
20	5	755	387	TOU Current Month Reg 8 Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	756	387	TOU Current Month Reg 8 VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	757	387	TOU Current Month Reg 8 VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	758	387	TOU Current Month Reg 8 VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	759	387	TOU Current Month Reg 8 VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	760	387	TOU Current Month Reg 8 VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	761	387	TOU Current Month Reg 8 VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	762	387	TOU Current Month Reg 8 VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	763	387	TOU Current Month Reg 8 VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	764	387	TOU Current Month Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	765	387	TOU Current Month Reg 8 Delivered Watthour (Quadrant 2 + 3)	0 VAR_H / -4,294,967,295 VAR_H	1 W_H	F15
20	5	766	387	TOU Current Month Reg 8 VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	767	387	TOU Current Month Reg 8 VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	768	387	TOU Current Month Reg 8 VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	769	387	TOU Current Month Reg 8 VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	770	387	TOU Current Month Reg 8 VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	771	387	TOU Current Month Reg 8 VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	772	387	TOU Current Month Reg 8 VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	773	387	TOU Current Month Reg 8 VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2035	388	TOU Current Month Reg 8 Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2036	388	TOU Current Month Reg 8 Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2037	388	TOU Current Month Reg 8 Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2038	388	TOU Current Month Reg 8 Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2039	389	TOU Current Month Reg 8 Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2040	389	TOU Current Month Reg 8 Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	303	390	TOU Current Month Reg 8 Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	304	390	TOU Current Month Reg 8 Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	305	390	TOU Current Month Reg 8 Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	306	390	TOU Current Month Reg 8 Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Time of Use Current Month Total Block							
20	5	774	391	TOU Current Month Total Received Watthour (Quadrant 1 + 4)	+9,999,999,999,999,999 W_H / 0 W_H	2^{32} W_H	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	775	391	TOU Current Month Total Received Watthour (Quadrant 1 + 4)	+4,294,967,295 W_H / 0 W_H	1 W_H	F15
20	5	776	391	TOU Current Month Total VAhour (Quadrant 1)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	777	391	TOU Current Month Total VAhour (Quadrant 1)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	778	391	TOU Current Month Total VARhour (Quadrant 1)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	779	391	TOU Current Month Total VARhour (Quadrant 1)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	780	391	TOU Current Month Total VAhour (Quadrant 4)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	781	391	TOU Current Month Total VAhour (Quadrant 4)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	782	391	TOU Current Month Total VARhour (Quadrant 4)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	783	391	TOU Current Month Total VARhour (Quadrant 4)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
20	5	784	391	TOU Current Month Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -9,999,999,999,999,999 W_H	2^{32} W_H	F15
20	5	785	391	TOU Current Month Total Delivered Watthour (Quadrant 2 + 3)	0 W_H / -4,294,967,295 W_H	1 W_H	F15
20	5	786	391	TOU Current Month Total VAhour (Quadrant 2)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	787	391	TOU Current Month Total VAhour (Quadrant 2)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	788	391	TOU Current Month Total VARhour (Quadrant 2)	0 VAR_H / -9,999,999,999,999,999 VAR_H	2^{32} VAR_H	F15
20	5	789	391	TOU Current Month Total VARhour (Quadrant 2)	0 VAR_H / -4,294,967,295 VAR_H	1 VAR_H	F15
20	5	790	391	TOU Current Month Total VAhour (Quadrant 3)	+9,999,999,999,999,999 VA_H / 0 VA_H	2^{32} VA_H	F15
20	5	791	391	TOU Current Month Total VAhour (Quadrant 3)	+4,294,967,295 VA_H / 0 VA_H	1 VA_H	F15
20	5	792	391	TOU Current Month Total VARhour (Quadrant 3)	+9,999,999,999,999,999 VAR_H / 0 VAR_H	2^{32} VAR_H	F15
20	5	793	391	TOU Current Month Total VARhour (Quadrant 3)	+4,294,967,295 VAR_H / 0 VAR_H	1 VAR_H	F15
30	3	2041	392	TOU Current Month Total Peak Demand Rcv. Watt (Quadrant 1 + 4)	+32768 Watt / 0 Watt	1 W sec	F4
30	3	2042	392	TOU Current Month Total Peak Demand Dlv. Watt (Quadrant 2 + 3)	0 Watt / -32768 Watt	1 W sec	F4
30	3	2043	392	TOU Current Month Total Peak Demand Rcv. VAR (Quadrant 1 + 2)	+32768 VAR / 0 VAR	1 VAR sec	F4
30	3	2044	392	TOU Current Month Total Peak Demand Dlv. VAR (Quadrant 3 + 4)	0 VAR / -32768 VAR	1 VAR sec	F4
30	3	2045	393	TOU Current Month Total Coin. Dmd. VAR to Peak Dmd. Rcv. Watt	+32768 VAR/ -32768 VAR	1 VAR sec	F4
30	3	2046	393	TOU Current Month Total Coin. Dmd. VAR to Peak Dmd. Dlv. Watt	+32768 VAR / -32768 VAR	1 VAR sec	F4
50	1	307	394	TOU Current Month Total Peak Demand Rcv. Watt (Q 1 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	308	394	TOU Current Month Total Peak Demand Dlv. Watt (Q 2 + 3) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	309	394	TOU Current Month Total Peak Demand Rcv. VAR (Q 1 + 2) Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	310	394	TOU Current Month Total Peak Demand Dlv. VAR (Q 3 + 4) Time Stamp	12/31/9999 23:59:59.999	1 msec	
Internal Input Pulse Accumulation Block							
50	1	311	399	Internal Input Pulse Accumulation Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
20	5	794	400	Scaled Pulse Accumulation Internal Input 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	795	400	Scaled Pulse Accumulation Internal Input 1	4,294,967,295 / 0	1 Unit	F15

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	796	400	Scaled Pulse Accumulation Internal Input 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	797	400	Scaled Pulse Accumulation Internal Input 2	4,294,967,295 / 0	1 Unit	F15
20	5	798	400	Scaled Pulse Accumulation Internal Input 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	799	400	Scaled Pulse Accumulation Internal Input 3	4,294,967,295 / 0	1 Unit	F15
20	5	800	400	Scaled Pulse Accumulation Internal Input 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	801	400	Scaled Pulse Accumulation Internal Input 4	4,294,967,295 / 0	1 Unit	F15
20	5	802	400	Scaled Pulse Accumulation Internal Input 5	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	803	400	Scaled Pulse Accumulation Internal Input 5	4,294,967,295 / 0	1 Unit	F15
20	5	804	400	Scaled Pulse Accumulation Internal Input 6	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	805	400	Scaled Pulse Accumulation Internal Input 6	4,294,967,295 / 0	1 Unit	F15
20	5	806	400	Scaled Pulse Accumulation Internal Input 7	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	807	400	Scaled Pulse Accumulation Internal Input 7	4,294,967,295 / 0	1 Unit	F15
20	5	808	400	Scaled Pulse Accumulation Internal Input 8	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	809	400	Scaled Pulse Accumulation Internal Input 8	4,294,967,295 / 0	1 Unit	F15
20	5	810	401	Scaled Pulse Accumulation Aggregation 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	811	401	Scaled Pulse Accumulation Aggregation 1	4,294,967,295 / 0	1 Unit	F15
20	5	812	401	Scaled Pulse Accumulation Aggregation 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	813	401	Scaled Pulse Accumulation Aggregation 2	4,294,967,295 / 0	1 Unit	F15
20	5	814	401	Scaled Pulse Accumulation Aggregation 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	815	401	Scaled Pulse Accumulation Aggregation 3	4,294,967,295 / 0	1 Unit	F15
20	5	816	401	Scaled Pulse Accumulation Aggregation 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F15
20	5	817	401	Scaled Pulse Accumulation Aggregation 4	4,294,967,295 / 0	1 Unit	F15
Pulse Accumulation Block Window Average / Maximum Block							
50	1	312	402	Pulse Accumulation Block Window Average / Maximum Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
30	4	2047	403	Pulse Accumulation Block Window Average / Maximum Block Status			F10
20	5	818	404	Block Window Average Internal Input 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	819	404	Block Window Average Internal Input 1	4,294,967,295 / 0	1 Unit	F18
20	5	820	404	Block Window Average Internal Input 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	821	404	Block Window Average Internal Input 2	4,294,967,295 / 0	1 Unit	F18
20	5	822	404	Block Window Average Internal Input 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	823	404	Block Window Average Internal Input 3	4,294,967,295 / 0	1 Unit	F18
20	5	824	404	Block Window Average Internal Input 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	825	404	Block Window Average Internal Input 4	4,294,967,295 / 0	1 Unit	F18

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	826	404	Block Window Average Internal Input 5	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	827	404	Block Window Average Internal Input 5	4,294,967,295 / 0	1 Unit	F18
20	5	828	404	Block Window Average Internal Input 6	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	829	404	Block Window Average Internal Input 6	4,294,967,295 / 0	1 Unit	F18
20	5	830	404	Block Window Average Internal Input 7	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	831	404	Block Window Average Internal Input 7	4,294,967,295 / 0	1 Unit	F18
20	5	832	404	Block Window Average Internal Input 8	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	833	404	Block Window Average Internal Input 8	4,294,967,295 / 0	1 Unit	F18
20	5	834	405	Block Window Average Aggregation 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	835	405	Block Window Average Aggregation 1	4,294,967,295 / 0	1 Unit	F18
20	5	836	405	Block Window Average Aggregation 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	837	405	Block Window Average Aggregation 2	4,294,967,295 / 0	1 Unit	F18
20	5	838	405	Block Window Average Aggregation 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	839	405	Block Window Average Aggregation 3	4,294,967,295 / 0	1 Unit	F18
20	5	840	405	Block Window Average Aggregation 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	841	405	Block Window Average Aggregation 4	4,294,967,295 / 0	1 Unit	F18
20	5	842	406	Maximum Block Window Average Internal Input 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	843	406	Maximum Block Window Average Internal Input 1	4,294,967,295 / 0	1 Unit	F18
20	5	844	406	Maximum Block Window Average Internal Input 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	845	406	Maximum Block Window Average Internal Input 2	4,294,967,295 / 0	1 Unit	F18
20	5	846	406	Maximum Block Window Average Internal Input 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	847	406	Maximum Block Window Average Internal Input 3	4,294,967,295 / 0	1 Unit	F18
20	5	848	406	Maximum Block Window Average Internal Input 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	849	406	Maximum Block Window Average Internal Input 4	4,294,967,295 / 0	1 Unit	F18
20	5	850	406	Maximum Block Window Average Internal Input 5	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	851	406	Maximum Block Window Average Internal Input 5	4,294,967,295 / 0	1 Unit	F18
20	5	852	406	Maximum Block Window Average Internal Input 6	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	853	406	Maximum Block Window Average Internal Input 6	4,294,967,295 / 0	1 Unit	F18
20	5	854	406	Maximum Block Window Average Internal Input 7	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	855	406	Maximum Block Window Average Internal Input 7	4,294,967,295 / 0	1 Unit	F18
20	5	856	406	Maximum Block Window Average Internal Input 8	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	857	406	Maximum Block Window Average Internal Input 8	4,294,967,295 / 0	1 Unit	F18
20	5	858	407	Maximum Block Window Average Aggregation 1	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18

Obj	Var	Index	Line	Description	Range	Units	Type
20	5	859	407	Maximum Block Window Average Aggregation 1	4,294,967,295 / 0	1 Unit	F18
20	5	860	407	Maximum Block Window Average Aggregation 2	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	861	407	Maximum Block Window Average Aggregation 2	4,294,967,295 / 0	1 Unit	F18
20	5	862	407	Maximum Block Window Average Aggregation 3	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	863	407	Maximum Block Window Average Aggregation 3	4,294,967,295 / 0	1 Unit	F18
20	5	864	407	Maximum Block Window Average Aggregation 4	18,446,744,073,709,551,615 / 0	2^{32} Unit	F18
20	5	865	407	Maximum Block Window Average Aggregation 4	4,294,967,295 / 0	1 Unit	F18
50	1	313	408	Maximum Block Window Average Internal Input 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	314	408	Maximum Block Window Average Internal Input 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	315	408	Maximum Block Window Average Internal Input 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	316	408	Maximum Block Window Average Internal Input 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	317	408	Maximum Block Window Average Internal Input 5 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	318	408	Maximum Block Window Average Internal Input 6 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	319	408	Maximum Block Window Average Internal Input 7 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	320	408	Maximum Block Window Average Internal Input 8 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	321	409	Maximum Block Window Average Aggregation 1 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	322	409	Maximum Block Window Average Aggregation 2 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	323	409	Maximum Block Window Average Aggregation 3 Time Stamp	12/31/9999 23:59:59.999	1 msec	
50	1	324	409	Maximum Block Window Average Aggregation 4 Time Stamp	12/31/9999 23:59:59.999	1 msec	
Temperature							
30	4	2048	410	Meter Internal Temperature	+327 C / -327 C	0.01 degree C	F19
Analog Input Block							
30	4	2049	411	Analog Input 1, Module 1	+327% / -327%	0.01%	F7
30	4	2050	411	Analog Input 2, Module 1	+327% / -327%	0.01%	F7
30	4	2051	411	Analog Input 3, Module 1	+327% / -327%	0.01%	F7
30	4	2052	411	Analog Input 4, Module 1	+327% / -327%	0.01%	F7
30	4	2053	411	Analog Input 5, Module 1	+327% / -327%	0.01%	F7
30	4	2054	411	Analog Input 6, Module 1	+327% / -327%	0.01%	F7
30	4	2055	411	Analog Input 7, Module 1	+327% / -327%	0.01%	F7
30	4	2056	411	Analog Input 8, Module 1	+327% / -327%	0.01%	F7
30	4	2057	412	Analog Input 1, Module 2	+327% / -327%	0.01%	F7
30	4	2058	412	Analog Input 2, Module 2	+327% / -327%	0.01%	F7
30	4	2059	412	Analog Input 3, Module 2	+327% / -327%	0.01%	F7

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	2060	412	Analog Input 4, Module 2	+327% / -327%	0.01%	F7
30	4	2061	412	Analog Input 5, Module 2	+327% / -327%	0.01%	F7
30	4	2062	412	Analog Input 6, Module 2	+327% / -327%	0.01%	F7
30	4	2063	412	Analog Input 7, Module 2	+327% / -327%	0.01%	F7
30	4	2064	412	Analog Input 8, Module 2	+327% / -327%	0.01%	F7
30	4	2065	413	Analog Input 1, Module 3	+327% / -327%	0.01%	F7
30	4	2066	413	Analog Input 2, Module 3	+327% / -327%	0.01%	F7
30	4	2067	413	Analog Input 3, Module 3	+327% / -327%	0.01%	F7
30	4	2068	413	Analog Input 4, Module 3	+327% / -327%	0.01%	F7
30	4	2069	413	Analog Input 5, Module 3	+327% / -327%	0.01%	F7
30	4	2070	413	Analog Input 6, Module 3	+327% / -327%	0.01%	F7
30	4	2071	413	Analog Input 7, Module 3	+327% / -327%	0.01%	F7
30	4	2072	413	Analog Input 8, Module 3	+327% / -327%	0.01%	F7
30	4	2073	414	Analog Input 1, Module 4	+327% / -327%	0.01%	F7
30	4	2074	414	Analog Input 2, Module 4	+327% / -327%	0.01%	F7
30	4	2075	414	Analog Input 3, Module 4	+327% / -327%	0.01%	F7
30	4	2076	414	Analog Input 4, Module 4	+327% / -327%	0.01%	F7
30	4	2077	414	Analog Input 5, Module 4	+327% / -327%	0.01%	F7
30	4	2078	414	Analog Input 6, Module 4	+327% / -327%	0.01%	F7
30	4	2079	414	Analog Input 7, Module 4	+327% / -327%	0.01%	F7
30	4	2080	414	Analog Input 8, Module 4	+327% / -327%	0.01%	F7
Limit Combination Block							
1	1	120	415	Limit Combination State, Limit 1			F11
1	1	121	415	Limit Combination State, Limit 2			F11
1	1	122	415	Limit Combination State, Limit 3			F11
1	1	123	415	Limit Combination State, Limit 4			F11
1	1	124	415	Limit Combination State, Limit 5			F11
1	1	125	415	Limit Combination State, Limit 6			F11
1	1	126	415	Limit Combination State, Limit 7			F11
1	1	127	415	Limit Combination State, Limit 8			F11
1	1	128	415	Limit Combination State, Limit 9			F11
1	1	129	415	Limit Combination State, Limit 10			F11
1	1	130	415	Limit Combination State, Limit 11			F11

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	131	415	Limit Combination State, Limit 12			F11
1	1	132	415	Limit Combination State, Limit 13			F11
1	1	133	415	Limit Combination State, Limit 14			F11
1	1	134	415	Limit Combination State, Limit 15			F11
1	1	135	415	Limit Combination State, Limit 16			F11
1	1	136	415	Limit Combination State, Limit 17			F11
1	1	137	415	Limit Combination State, Limit 18			F11
1	1	138	415	Limit Combination State, Limit 19			F11
1	1	139	415	Limit Combination State, Limit 20			F11
1	1	140	415	Limit Combination State, Limit 21			F11
1	1	141	415	Limit Combination State, Limit 22			F11
1	1	142	415	Limit Combination State, Limit 23			F11
1	1	143	415	Limit Combination State, Limit 24			F11
1	1	144	415	Limit Combination State, Limit 25			F11
1	1	145	415	Limit Combination State, Limit 26			F11
1	1	146	415	Limit Combination State, Limit 27			F11
1	1	147	415	Limit Combination State, Limit 28			F11
1	1	148	415	Limit Combination State, Limit 29			F11
1	1	149	415	Limit Combination State, Limit 30			F11
1	1	150	415	Limit Combination State, Limit 31			F11
1	1	151	415	Limit Combination State, Limit 32			F11
Relay Logic Block							
50	1	325	416	Relay Logic Block Time Stamp	12/31/9999 23:59:59.999	1 msec	
1	1	152	417	Relay Logic Input 1, Logic Tree 1			F20
1	1	153	417	Relay Logic Input 1, Logic Tree 2			F20
1	1	154	417	Relay Logic Input 1, Logic Tree 3			F20
1	1	155	417	Relay Logic Input 1, Logic Tree 4			F20
1	1	156	417	Relay Logic Input 1, Logic Tree 5			F20
1	1	157	417	Relay Logic Input 1, Logic Tree 6			F20
1	1	158	417	Relay Logic Input 1, Logic Tree 7			F20
1	1	159	417	Relay Logic Input 1, Logic Tree 8			F20
1	1	160	417	Relay Logic Input 1, Logic Tree 9			F20
1	1	161	417	Relay Logic Input 1, Logic Tree 10			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	162	417	Relay Logic Input 1, Logic Tree 11			F20
1	1	163	417	Relay Logic Input 1, Logic Tree 12			F20
1	1	164	417	Relay Logic Input 1, Logic Tree 13			F20
1	1	165	417	Relay Logic Input 1, Logic Tree 14			F20
1	1	166	417	Relay Logic Input 1, Logic Tree 15			F20
1	1	167	417	Relay Logic Input 1, Logic Tree 16			F20
1	1	168	418	Relay Logic Input 2, Logic Tree 1			F20
1	1	169	418	Relay Logic Input 2, Logic Tree 2			F20
1	1	170	418	Relay Logic Input 2, Logic Tree 3			F20
1	1	171	418	Relay Logic Input 2, Logic Tree 4			F20
1	1	172	418	Relay Logic Input 2, Logic Tree 5			F20
1	1	173	418	Relay Logic Input 2, Logic Tree 6			F20
1	1	174	418	Relay Logic Input 2, Logic Tree 7			F20
1	1	175	418	Relay Logic Input 2, Logic Tree 8			F20
1	1	176	418	Relay Logic Input 2, Logic Tree 9			F20
1	1	177	418	Relay Logic Input 2, Logic Tree 10			F20
1	1	178	418	Relay Logic Input 2, Logic Tree 11			F20
1	1	179	418	Relay Logic Input 2, Logic Tree 12			F20
1	1	180	418	Relay Logic Input 2, Logic Tree 13			F20
1	1	181	418	Relay Logic Input 2, Logic Tree 14			F20
1	1	182	418	Relay Logic Input 2, Logic Tree 15			F20
1	1	183	418	Relay Logic Input 2, Logic Tree 16			F20
1	1	184	419	Relay Logic Input 3, Logic Tree 1			F20
1	1	185	419	Relay Logic Input 3, Logic Tree 2			F20
1	1	186	419	Relay Logic Input 3, Logic Tree 3			F20
1	1	187	419	Relay Logic Input 3, Logic Tree 4			F20
1	1	188	419	Relay Logic Input 3, Logic Tree 5			F20
1	1	189	419	Relay Logic Input 3, Logic Tree 6			F20
1	1	190	419	Relay Logic Input 3, Logic Tree 7			F20
1	1	191	419	Relay Logic Input 3, Logic Tree 8			F20
1	1	192	419	Relay Logic Input 3, Logic Tree 9			F20
1	1	193	419	Relay Logic Input 3, Logic Tree 10			F20
1	1	194	419	Relay Logic Input 3, Logic Tree 11			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	195	419	Relay Logic Input 3, Logic Tree 12			F20
1	1	196	419	Relay Logic Input 3, Logic Tree 13			F20
1	1	197	419	Relay Logic Input 3, Logic Tree 14			F20
1	1	198	419	Relay Logic Input 3, Logic Tree 15			F20
1	1	199	419	Relay Logic Input 3, Logic Tree 16			F20
1	1	200	420	Relay Logic Input 4, Logic Tree 1			F20
1	1	201	420	Relay Logic Input 4, Logic Tree 2			F20
1	1	202	420	Relay Logic Input 4, Logic Tree 3			F20
1	1	203	420	Relay Logic Input 4, Logic Tree 4			F20
1	1	204	420	Relay Logic Input 4, Logic Tree 5			F20
1	1	205	420	Relay Logic Input 4, Logic Tree 6			F20
1	1	206	420	Relay Logic Input 4, Logic Tree 7			F20
1	1	207	420	Relay Logic Input 4, Logic Tree 8			F20
1	1	208	420	Relay Logic Input 4, Logic Tree 9			F20
1	1	209	420	Relay Logic Input 4, Logic Tree 10			F20
1	1	210	420	Relay Logic Input 4, Logic Tree 11			F20
1	1	211	420	Relay Logic Input 4, Logic Tree 12			F20
1	1	212	420	Relay Logic Input 4, Logic Tree 13			F20
1	1	213	420	Relay Logic Input 4, Logic Tree 14			F20
1	1	214	420	Relay Logic Input 4, Logic Tree 15			F20
1	1	215	420	Relay Logic Input 4, Logic Tree 16			F20
1	1	216	421	Relay Logic Input 5, Logic Tree 1			F20
1	1	217	421	Relay Logic Input 5, Logic Tree 2			F20
1	1	218	421	Relay Logic Input 5, Logic Tree 3			F20
1	1	219	421	Relay Logic Input 5, Logic Tree 4			F20
1	1	220	421	Relay Logic Input 5, Logic Tree 5			F20
1	1	221	421	Relay Logic Input 5, Logic Tree 6			F20
1	1	222	421	Relay Logic Input 5, Logic Tree 7			F20
1	1	223	421	Relay Logic Input 5, Logic Tree 8			F20
1	1	224	421	Relay Logic Input 5, Logic Tree 9			F20
1	1	225	421	Relay Logic Input 5, Logic Tree 10			F20
1	1	226	421	Relay Logic Input 5, Logic Tree 11			F20
1	1	227	421	Relay Logic Input 5, Logic Tree 12			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	228	421	Relay Logic Input 5, Logic Tree 13			F20
1	1	229	421	Relay Logic Input 5, Logic Tree 14			F20
1	1	230	421	Relay Logic Input 5, Logic Tree 15			F20
1	1	231	421	Relay Logic Input 5, Logic Tree 16			F20
1	1	232	422	Relay Logic Input 6, Logic Tree 1			F20
1	1	233	422	Relay Logic Input 6, Logic Tree 2			F20
1	1	234	422	Relay Logic Input 6, Logic Tree 3			F20
1	1	235	422	Relay Logic Input 6, Logic Tree 4			F20
1	1	236	422	Relay Logic Input 6, Logic Tree 5			F20
1	1	237	422	Relay Logic Input 6, Logic Tree 6			F20
1	1	238	422	Relay Logic Input 6, Logic Tree 7			F20
1	1	239	422	Relay Logic Input 6, Logic Tree 8			F20
1	1	240	422	Relay Logic Input 6, Logic Tree 9			F20
1	1	241	422	Relay Logic Input 6, Logic Tree 10			F20
1	1	242	422	Relay Logic Input 6, Logic Tree 11			F20
1	1	243	422	Relay Logic Input 6, Logic Tree 12			F20
1	1	244	422	Relay Logic Input 6, Logic Tree 13			F20
1	1	245	422	Relay Logic Input 6, Logic Tree 14			F20
1	1	246	422	Relay Logic Input 6, Logic Tree 15			F20
1	1	247	422	Relay Logic Input 6, Logic Tree 16			F20
1	1	248	423	Relay Logic Input 7, Logic Tree 1			F20
1	1	249	423	Relay Logic Input 7, Logic Tree 2			F20
1	1	250	423	Relay Logic Input 7, Logic Tree 3			F20
1	1	251	423	Relay Logic Input 7, Logic Tree 4			F20
1	1	252	423	Relay Logic Input 7, Logic Tree 5			F20
1	1	253	423	Relay Logic Input 7, Logic Tree 6			F20
1	1	254	423	Relay Logic Input 7, Logic Tree 7			F20
1	1	255	423	Relay Logic Input 7, Logic Tree 8			F20
1	1	256	423	Relay Logic Input 7, Logic Tree 9			F20
1	1	257	423	Relay Logic Input 7, Logic Tree 10			F20
1	1	258	423	Relay Logic Input 7, Logic Tree 11			F20
1	1	259	423	Relay Logic Input 7, Logic Tree 12			F20
1	1	260	423	Relay Logic Input 7, Logic Tree 13			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	261	423	Relay Logic Input 7, Logic Tree 14			F20
1	1	262	423	Relay Logic Input 7, Logic Tree 15			F20
1	1	263	423	Relay Logic Input 7, Logic Tree 16			F20
1	1	264	424	Relay Logic Input 8, Logic Tree 1			F20
1	1	265	424	Relay Logic Input 8, Logic Tree 2			F20
1	1	266	424	Relay Logic Input 8, Logic Tree 3			F20
1	1	267	424	Relay Logic Input 8, Logic Tree 4			F20
1	1	268	424	Relay Logic Input 8, Logic Tree 5			F20
1	1	269	424	Relay Logic Input 8, Logic Tree 6			F20
1	1	270	424	Relay Logic Input 8, Logic Tree 7			F20
1	1	271	424	Relay Logic Input 8, Logic Tree 8			F20
1	1	272	424	Relay Logic Input 8, Logic Tree 9			F20
1	1	273	424	Relay Logic Input 8, Logic Tree 10			F20
1	1	274	424	Relay Logic Input 8, Logic Tree 11			F20
1	1	275	424	Relay Logic Input 8, Logic Tree 12			F20
1	1	276	424	Relay Logic Input 8, Logic Tree 13			F20
1	1	277	424	Relay Logic Input 8, Logic Tree 14			F20
1	1	278	424	Relay Logic Input 8, Logic Tree 15			F20
1	1	279	424	Relay Logic Input 8, Logic Tree 16			F20
1	1	280	425	Relay Logic Gate Output A, Logic Tree 1			F20
1	1	281	425	Relay Logic Gate Output A, Logic Tree 2			F20
1	1	282	425	Relay Logic Gate Output A, Logic Tree 3			F20
1	1	283	425	Relay Logic Gate Output A, Logic Tree 4			F20
1	1	284	425	Relay Logic Gate Output A, Logic Tree 5			F20
1	1	285	425	Relay Logic Gate Output A, Logic Tree 6			F20
1	1	286	425	Relay Logic Gate Output A, Logic Tree 7			F20
1	1	287	425	Relay Logic Gate Output A, Logic Tree 8			F20
1	1	288	425	Relay Logic Gate Output A, Logic Tree 9			F20
1	1	289	425	Relay Logic Gate Output A, Logic Tree 10			F20
1	1	290	425	Relay Logic Gate Output A, Logic Tree 11			F20
1	1	291	425	Relay Logic Gate Output A, Logic Tree 12			F20
1	1	292	425	Relay Logic Gate Output A, Logic Tree 13			F20
1	1	293	425	Relay Logic Gate Output A, Logic Tree 14			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	294	425	Relay Logic Gate Output A, Logic Tree 15			F20
1	1	295	425	Relay Logic Gate Output A, Logic Tree 16			F20
1	1	296	426	Relay Logic Gate Output B, Logic Tree 1			F20
1	1	297	426	Relay Logic Gate Output B, Logic Tree 2			F20
1	1	298	426	Relay Logic Gate Output B, Logic Tree 3			F20
1	1	299	426	Relay Logic Gate Output B, Logic Tree 4			F20
1	1	300	426	Relay Logic Gate Output B, Logic Tree 5			F20
1	1	301	426	Relay Logic Gate Output B, Logic Tree 6			F20
1	1	302	426	Relay Logic Gate Output B, Logic Tree 7			F20
1	1	303	426	Relay Logic Gate Output B, Logic Tree 8			F20
1	1	304	426	Relay Logic Gate Output B, Logic Tree 9			F20
1	1	305	426	Relay Logic Gate Output B, Logic Tree 10			F20
1	1	306	426	Relay Logic Gate Output B, Logic Tree 11			F20
1	1	307	426	Relay Logic Gate Output B, Logic Tree 12			F20
1	1	308	426	Relay Logic Gate Output B, Logic Tree 13			F20
1	1	309	426	Relay Logic Gate Output B, Logic Tree 14			F20
1	1	310	426	Relay Logic Gate Output B, Logic Tree 15			F20
1	1	311	426	Relay Logic Gate Output B, Logic Tree 16			F20
1	1	312	427	Relay Logic Gate Output C, Logic Tree 1			F20
1	1	313	427	Relay Logic Gate Output C, Logic Tree 2			F20
1	1	314	427	Relay Logic Gate Output C, Logic Tree 3			F20
1	1	315	427	Relay Logic Gate Output C, Logic Tree 4			F20
1	1	316	427	Relay Logic Gate Output C, Logic Tree 5			F20
1	1	317	427	Relay Logic Gate Output C, Logic Tree 6			F20
1	1	318	427	Relay Logic Gate Output C, Logic Tree 7			F20
1	1	319	427	Relay Logic Gate Output C, Logic Tree 8			F20
1	1	320	427	Relay Logic Gate Output C, Logic Tree 9			F20
1	1	321	427	Relay Logic Gate Output C, Logic Tree 10			F20
1	1	322	427	Relay Logic Gate Output C, Logic Tree 11			F20
1	1	323	427	Relay Logic Gate Output C, Logic Tree 12			F20
1	1	324	427	Relay Logic Gate Output C, Logic Tree 13			F20
1	1	325	427	Relay Logic Gate Output C, Logic Tree 14			F20
1	1	326	427	Relay Logic Gate Output C, Logic Tree 15			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	327	427	Relay Logic Gate Output C, Logic Tree 16			F20
1	1	328	428	Relay Logic Gate Output D, Logic Tree 1			F20
1	1	329	428	Relay Logic Gate Output D, Logic Tree 2			F20
1	1	330	428	Relay Logic Gate Output D, Logic Tree 3			F20
1	1	331	428	Relay Logic Gate Output D, Logic Tree 4			F20
1	1	332	428	Relay Logic Gate Output D, Logic Tree 5			F20
1	1	333	428	Relay Logic Gate Output D, Logic Tree 6			F20
1	1	334	428	Relay Logic Gate Output D, Logic Tree 7			F20
1	1	335	428	Relay Logic Gate Output D, Logic Tree 8			F20
1	1	336	428	Relay Logic Gate Output D, Logic Tree 9			F20
1	1	337	428	Relay Logic Gate Output D, Logic Tree 10			F20
1	1	338	428	Relay Logic Gate Output D, Logic Tree 11			F20
1	1	339	428	Relay Logic Gate Output D, Logic Tree 12			F20
1	1	340	428	Relay Logic Gate Output D, Logic Tree 13			F20
1	1	341	428	Relay Logic Gate Output D, Logic Tree 14			F20
1	1	342	428	Relay Logic Gate Output D, Logic Tree 15			F20
1	1	343	428	Relay Logic Gate Output D, Logic Tree 16			F20
1	1	344	429	Relay Logic Gate Output E, Logic Tree 1			F20
1	1	345	429	Relay Logic Gate Output E, Logic Tree 2			F20
1	1	346	429	Relay Logic Gate Output E, Logic Tree 3			F20
1	1	347	429	Relay Logic Gate Output E, Logic Tree 4			F20
1	1	348	429	Relay Logic Gate Output E, Logic Tree 5			F20
1	1	349	429	Relay Logic Gate Output E, Logic Tree 6			F20
1	1	350	429	Relay Logic Gate Output E, Logic Tree 7			F20
1	1	351	429	Relay Logic Gate Output E, Logic Tree 8			F20
1	1	352	429	Relay Logic Gate Output E, Logic Tree 9			F20
1	1	353	429	Relay Logic Gate Output E, Logic Tree 10			F20
1	1	354	429	Relay Logic Gate Output E, Logic Tree 11			F20
1	1	355	429	Relay Logic Gate Output E, Logic Tree 12			F20
1	1	356	429	Relay Logic Gate Output E, Logic Tree 13			F20
1	1	357	429	Relay Logic Gate Output E, Logic Tree 14			F20
1	1	358	429	Relay Logic Gate Output E, Logic Tree 15			F20
1	1	359	429	Relay Logic Gate Output E, Logic Tree 16			F20

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	360	430	Relay Logic Gate Output F, Logic Tree 1			F20
1	1	361	430	Relay Logic Gate Output F, Logic Tree 2			F20
1	1	362	430	Relay Logic Gate Output F, Logic Tree 3			F20
1	1	363	430	Relay Logic Gate Output F, Logic Tree 4			F20
1	1	364	430	Relay Logic Gate Output F, Logic Tree 5			F20
1	1	365	430	Relay Logic Gate Output F, Logic Tree 6			F20
1	1	366	430	Relay Logic Gate Output F, Logic Tree 7			F20
1	1	367	430	Relay Logic Gate Output F, Logic Tree 8			F20
1	1	368	430	Relay Logic Gate Output F, Logic Tree 9			F20
1	1	369	430	Relay Logic Gate Output F, Logic Tree 10			F20
1	1	370	430	Relay Logic Gate Output F, Logic Tree 11			F20
1	1	371	430	Relay Logic Gate Output F, Logic Tree 12			F20
1	1	372	430	Relay Logic Gate Output F, Logic Tree 13			F20
1	1	373	430	Relay Logic Gate Output F, Logic Tree 14			F20
1	1	374	430	Relay Logic Gate Output F, Logic Tree 15			F20
1	1	375	430	Relay Logic Gate Output F, Logic Tree 16			F20
1	1	376	431	Relay Logic Gate Output G, Logic Tree 1			F20
1	1	377	431	Relay Logic Gate Output G, Logic Tree 2			F20
1	1	378	431	Relay Logic Gate Output G, Logic Tree 3			F20
1	1	379	431	Relay Logic Gate Output G, Logic Tree 4			F20
1	1	380	431	Relay Logic Gate Output G, Logic Tree 5			F20
1	1	381	431	Relay Logic Gate Output G, Logic Tree 6			F20
1	1	382	431	Relay Logic Gate Output G, Logic Tree 7			F20
1	1	383	431	Relay Logic Gate Output G, Logic Tree 8			F20
1	1	384	431	Relay Logic Gate Output G, Logic Tree 9			F20
1	1	385	431	Relay Logic Gate Output G, Logic Tree 10			F20
1	1	386	431	Relay Logic Gate Output G, Logic Tree 11			F20
1	1	387	431	Relay Logic Gate Output G, Logic Tree 12			F20
1	1	388	431	Relay Logic Gate Output G, Logic Tree 13			F20
1	1	389	431	Relay Logic Gate Output G, Logic Tree 14			F20
1	1	390	431	Relay Logic Gate Output G, Logic Tree 15			F20
1	1	391	431	Relay Logic Gate Output G, Logic Tree 16			F20
30	4	2081	432	Relay Delay, Relay 1	255 / 0	1 sec	F21

Obj	Var	Index	Line	Description	Range	Units	Type
30	4	2082	432	Relay Delay, Relay 2	255 / 0	1 sec	F21
30	4	2083	432	Relay Delay, Relay 3	255 / 0	1 sec	F21
30	4	2084	432	Relay Delay, Relay 4	255 / 0	1 sec	F21
30	4	2085	432	Relay Delay, Relay 5	255 / 0	1 sec	F21
30	4	2086	432	Relay Delay, Relay 6	255 / 0	1 sec	F21
30	4	2087	432	Relay Delay, Relay 7	255 / 0	1 sec	F21
30	4	2088	432	Relay Delay, Relay 8	255 / 0	1 sec	F21
30	4	2089	432	Relay Delay, Relay 9	255 / 0	1 sec	F21
30	4	2090	432	Relay Delay, Relay 10	255 / 0	1 sec	F21
30	4	2091	432	Relay Delay, Relay 11	255 / 0	1 sec	F21
30	4	2092	432	Relay Delay, Relay 12	255 / 0	1 sec	F21
30	4	2093	432	Relay Delay, Relay 13	255 / 0	1 sec	F21
30	4	2094	432	Relay Delay, Relay 14	255 / 0	1 sec	F21
30	4	2095	432	Relay Delay, Relay 15	255 / 0	1 sec	F21
30	4	2096	432	Relay Delay, Relay 16	255 / 0	1 sec	F21
1	1	392	433	Desired Relay States, Relay 1			F22
1	1	393	433	Desired Relay States, Relay 2			F22
1	1	394	433	Desired Relay States, Relay 3			F22
1	1	395	433	Desired Relay States, Relay 4			F22
1	1	396	433	Desired Relay States, Relay 5			F22
1	1	397	433	Desired Relay States, Relay 6			F22
1	1	398	433	Desired Relay States, Relay 7			F22
1	1	399	433	Desired Relay States, Relay 8			F22
1	1	400	433	Desired Relay States, Relay 9			F22
1	1	401	433	Desired Relay States, Relay 10			F22
1	1	402	433	Desired Relay States, Relay 11			F22
1	1	403	433	Desired Relay States, Relay 12			F22
1	1	404	433	Desired Relay States, Relay 13			F22
1	1	405	433	Desired Relay States, Relay 14			F22
1	1	406	433	Desired Relay States, Relay 15			F22
1	1	407	433	Desired Relay States, Relay 16			F22
1	1	408	434	Relay Pending Updates, Relay 1			F23
1	1	409	434	Relay Pending Updates, Relay 2			F23

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	410	434	Relay Pending Updates, Relay 3			F23
1	1	411	434	Relay Pending Updates, Relay 4			F23
1	1	412	434	Relay Pending Updates, Relay 5			F23
1	1	413	434	Relay Pending Updates, Relay 6			F23
1	1	414	434	Relay Pending Updates, Relay 7			F23
1	1	415	434	Relay Pending Updates, Relay 8			F23
1	1	416	434	Relay Pending Updates, Relay 9			F23
1	1	417	434	Relay Pending Updates, Relay 10			F23
1	1	418	434	Relay Pending Updates, Relay 11			F23
1	1	419	434	Relay Pending Updates, Relay 12			F23
1	1	420	434	Relay Pending Updates, Relay 13			F23
1	1	421	434	Relay Pending Updates, Relay 14			F23
1	1	422	434	Relay Pending Updates, Relay 15			F23
1	1	423	434	Relay Pending Updates, Relay 16			F23
1	1	424	435	Shadowed Relay State, Relay 1			F24
1	1	425	435	Shadowed Relay State, Relay 2			F24
1	1	426	435	Shadowed Relay State, Relay 3			F24
1	1	427	435	Shadowed Relay State, Relay 4			F24
1	1	428	435	Shadowed Relay State, Relay 5			F24
1	1	429	435	Shadowed Relay State, Relay 6			F24
1	1	430	435	Shadowed Relay State, Relay 7			F24
1	1	431	435	Shadowed Relay State, Relay 8			F24
1	1	432	435	Shadowed Relay State, Relay 9			F24
1	1	433	435	Shadowed Relay State, Relay 10			F24
1	1	434	435	Shadowed Relay State, Relay 11			F24
1	1	435	435	Shadowed Relay State, Relay 12			F24
1	1	436	435	Shadowed Relay State, Relay 13			F24
1	1	437	435	Shadowed Relay State, Relay 14			F24
1	1	438	435	Shadowed Relay State, Relay 15			F24
1	1	439	435	Shadowed Relay State, Relay 16			F24
10	1	0	436	Confirmed Polled Relay State, Relay 1			F25
10	1	1	436	Confirmed Polled Relay State, Relay 2			F25
10	1	2	436	Confirmed Polled Relay State, Relay 3			F25

Obj	Var	Index	Line	Description	Range	Units	Type
10	1	3	436	Confirmed Polled Relay State, Relay 4			F25
10	1	4	436	Confirmed Polled Relay State, Relay 5			F25
10	1	5	436	Confirmed Polled Relay State, Relay 6			F25
10	1	6	436	Confirmed Polled Relay State, Relay 7			F25
10	1	7	436	Confirmed Polled Relay State, Relay 8			F25
10	1	8	436	Confirmed Polled Relay State, Relay 9			F25
10	1	9	436	Confirmed Polled Relay State, Relay 10			F25
10	1	10	436	Confirmed Polled Relay State, Relay 11			F25
10	1	11	436	Confirmed Polled Relay State, Relay 12			F25
10	1	12	436	Confirmed Polled Relay State, Relay 13			F25
10	1	13	436	Confirmed Polled Relay State, Relay 14			F25
10	1	14	436	Confirmed Polled Relay State, Relay 15			F25
10	1	15	436	Confirmed Polled Relay State, Relay 16			F25
1	1	440	437	Valid Flag for Confirmed Relay States, Relay 1			F26
1	1	441	437	Valid Flag for Confirmed Relay States, Relay 2			F26
1	1	442	437	Valid Flag for Confirmed Relay States, Relay 3			F26
1	1	443	437	Valid Flag for Confirmed Relay States, Relay 4			F26
1	1	444	437	Valid Flag for Confirmed Relay States, Relay 5			F26
1	1	445	437	Valid Flag for Confirmed Relay States, Relay 6			F26
1	1	446	437	Valid Flag for Confirmed Relay States, Relay 7			F26
1	1	447	437	Valid Flag for Confirmed Relay States, Relay 8			F26
1	1	448	437	Valid Flag for Confirmed Relay States, Relay 9			F26
1	1	449	437	Valid Flag for Confirmed Relay States, Relay 10			F26
1	1	450	437	Valid Flag for Confirmed Relay States, Relay 11			F26
1	1	451	437	Valid Flag for Confirmed Relay States, Relay 12			F26
1	1	452	437	Valid Flag for Confirmed Relay States, Relay 13			F26
1	1	453	437	Valid Flag for Confirmed Relay States, Relay 14			F26
1	1	454	437	Valid Flag for Confirmed Relay States, Relay 15			F26
1	1	455	437	Valid Flag for Confirmed Relay States, Relay 16			F26
1	1	456	438	Locked Relay, Relay 1			F27
1	1	457	438	Locked Relay, Relay 2			F27
1	1	458	438	Locked Relay, Relay 3			F27
1	1	459	438	Locked Relay, Relay 4			F27

Obj	Var	Index	Line	Description	Range	Units	Type
1	1	460	438	Locked Relay, Relay 5			F27
1	1	461	438	Locked Relay, Relay 6			F27
1	1	462	438	Locked Relay, Relay 7			F27
1	1	463	438	Locked Relay, Relay 8			F27
1	1	464	438	Locked Relay, Relay 9			F27
1	1	465	438	Locked Relay, Relay 10			F27
1	1	466	438	Locked Relay, Relay 11			F27
1	1	467	438	Locked Relay, Relay 12			F27
1	1	468	438	Locked Relay, Relay 13			F27
1	1	469	438	Locked Relay, Relay 14			F27
1	1	470	438	Locked Relay, Relay 15			F27
1	1	471	438	Locked Relay, Relay 16			F27
1	1	472	439	Locked Relay State, Relay 1			F28
1	1	473	439	Locked Relay State, Relay 2			F28
1	1	474	439	Locked Relay State, Relay 3			F28
1	1	475	439	Locked Relay State, Relay 4			F28
1	1	476	439	Locked Relay State, Relay 5			F28
1	1	477	439	Locked Relay State, Relay 6			F28
1	1	478	439	Locked Relay State, Relay 7			F28
1	1	479	439	Locked Relay State, Relay 8			F28
1	1	480	439	Locked Relay State, Relay 9			F28
1	1	481	439	Locked Relay State, Relay 10			F28
1	1	482	439	Locked Relay State, Relay 11			F28
1	1	483	439	Locked Relay State, Relay 12			F28
1	1	484	439	Locked Relay State, Relay 13			F28
1	1	485	439	Locked Relay State, Relay 14			F28
1	1	486	439	Locked Relay State, Relay 15			F28
1	1	487	439	Locked Relay State, Relay 16			F28
Action Block							
10	1	128	767	Reset Logs			F29
10	1	129	767	Reset Maximums			F29
10	1	130	767	Reset Minimums			F29
10	1	131	767	Reset Energy			F29

Obj	Var	Index	Line	Description	Range	Units	Type
10	1	132	767	Reset Time of Use			F29
10	1	133	767	Manual Waveform Capture			F29
10	1	134	767	Reset Pulse Accumulations			F29
10	1	135	767	Reset Unit to Boot Mode - Default Communication Settings			F29

CHAPTER 6
Communication Data Formats

- This chapter expands upon information listed in the Nexus® 1250, 1260 and 1270 Modbus Register Map (Chapter 2) Section Headings (F1, F2, etc) refer to the value in the Register Map's "Type" column.

6.1: Type F1 Day of Week

- This point contains a 16-bit number, associated with the days of the week as follows:

Value	Day of Week
0001H	Sunday
0002H	Monday
0003H	Tuesday
0004H	Wednesday
0005H	Thursday
0006H	Friday
0007H	Saturday

6.2: Type F2 Internal Inputs - High Speed Sampling - Delta

- These points indicate whether a High Speed Digital Input, sampled at the rate of waveform capture, changed state during the last cycle. A bit value of 1 indicates a change occured; a bit value of 0 indicates no change occured.

  Example:

  Object 1, Indexes 0-7, HSI Delta Inputs, might contain the following data:

Index	0	1	2	3	4	5	6	7
Values	0	0	0	0	0	1	0	0
HSI Delta	8	7	6	5	4	3	2	1
Meaning						Change		
Interpretation	Input 3 changed state at least once during the last cycle.							

6.3: Type F3 Internal Inputs - High Speed Sampling - Current State

- These points indicate whether a High Speed Digital Input, sampled at the rate of waveform capture, is open or closed. A bit value of 1 indicates open; a bit value of 0 indicates closed.

  Example:

  Object 1, Indexes 8-15, HSI Current State Inputs, might contain the following data:

Index	8	9	10	11	12	13	14	15
Values	0	1	1	0	0	0	0	1
HSI Current States	8	7	6	5	4	3	2	1
Meaning	Closed	Open	Open	Closed	Closed	Closed	Closed	Open
Interpretation	Inputs 7, 6 and 1 are now open.							

6.4: Type F4 Secondary Voltage, Current, VA, VAR, Wattage or Frequency

- Range: +3276.7 / 0.0 V sec
  +32.767 / 0.000 A sec
  +32767 / -0 VA sec
  +32767 / -32768 VAR sec, W sec
  +3276.7 / 0.0 Hz

- Unit: 0.1 V sec
  0.001 A sec
  1 VA, VAR, W sec
  0.1 Hz

- Each point contains a 16 bit signed (2's compliment) number. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

  Example:

  Object 30, Index 5, Tenth second Phase A Current might contain the following data:

2 byte signed integer (Hex)	00125H
Most significant bit	0
2 byte integer (Decimal)	+293
0.001 Amp secondary	+0.293 Amp secondary

Object 30, Index 16, Tenth second Phase A VAR, might contain the following data:

2 byte signed integer (Hex)	00125H
Most significant bit	0
2 byte signed integer (Decimal)	+293
VAR secondary	+293 VAR secondary

Object 30, Index 16, Tenth second Phase A VAR, might contain the following data:

2 byte signed integer (Hex)	OFEDBH
Most significant bit	1
Compliment	00124H
Increment	00125H
2 byte signed integer (Decimal)	-293
VAR secondary	-293 VAR secondary

6.5: Type F5 Power Factor

- Range: 3.999 / 0.000
- Unit: 0.001 PF
- Each point contains a 16 bit unsigned number. This number varies from 0000H – 0F9FH, or 0 to 3999 in decimal. This representation allows for expressing Power Factor from 0 to 1 in the four quadrants, as follows:

Quadrant	Value		PF	Value		PF	Value		PF
	Hex	Dec		Hex	Dec		Hex	Dec	
1	0000H	0	0.000	01F4H	500	0.500	03E7H	999	0.999
4	03E8H	1000	1.000	05DCH	1500	0.500	07CFH	1999	0.001
3	07D0H	2000	0.000	09C4H	2500	0.500	0BB7H	2999	0.999
2	0BB8H	3000	1.000	0DACH	3500	0.500	0F9FH	3999	0.001

- Application of sign and lead/lag labels (9CFH is -0.500 Lead or +0.500 Lag) depends on the Programmable Setting called Power Factor Labeling.

  Example:

  Object 30, Index 25, Tenth second Phase A Power Factor, might contain the following data:

Address	00171
Value	0390H
Decimal	912
PF	Q1, 0.912

  Example:

  Object 30, Index 25, Tenth second Phase A Power Factor, might contain the following data:

Address	00171
Value	0C10H
Decimal	3088
PF	Q2, 0.912

6.6: Type F6 Angle

- Range: +180 / -180
- Unit: 0.01 degree
- Each point contains a 16 bit signed (2's compliment) number. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

  Example:

  Object 30, Index 29, Tenth second Phase A-N Voltage to Auxiliary Voltage Phase Angle, might contain the following data:

Value	08BBH
Most significant bit	0
Decimal	+2235
Angle	+22.35 Degrees

Example:

Object 30, Index 29, Tenth second Phase A-N Voltage to Auxiliary Voltage Phase Angle, might contain the following data.

Value	F745H
Most significant bit	1
Compliment	08BAH
Increment	08BBH
Decimal	-2235
Angle	-22.35 Degrees

6.7: Type F7 Percentage

- Range: +328% / - 328%
- Unit: 0.01%
- Each point contains a 16 bit signed (2's compliment) number. Positive values have the most significant bit clear, and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

  Example:

  Object 30, Index 59, One second Voltage Imbalance, might contain the following data:

Value	08BBH
Most significant bit	0
Decimal	+2235
Percent	+22.35%

Object 30, Index 59, One second Voltage Imbalance, might contain the following data:

Value	F745H
Most significant bit	1
Compliment	08BAH
Increment	08BBH
Decimal	-2235
Percent	-22.35%

6.8: Type F8 Energy Counter (Binary / Secondary)

- Length: 2 Consecutive Points
- Range: 9,999,999,999,999,999 / 0 VAh, VARh or Wh secondary
- Unit: 1 VAh, VARh or Wh secondary
- Each pair of points contain an 8 byte unsigned integer.
  Example:

  Object 30, Indexes 0-1, VAhour, might contain the following data:

Index	0	1
Value	00000000H	06476164H
8 byte unsigned integer	0000000006476164H	
Decimal	105341284	
VAh	105,341,284 VAh secondary	

6.9: Type F9 Phase Sequence

- This point contains a 16 bit unsigned integer, associated with the Phase Sequence as follows:

Value (Hex)	Phase Sequence
0000H	A-B-C
0001H	C-B-A

6.10: Type F10 Average Status

- Each point contains a 16 bit unsigned integer, associated with the Average Status as follows:

Value (Hex)	Average Status
0000H	Not yet available
0001H	Available

6.11: Type F11 Limit States

- A bit value of 1 means that the particular limit has been passed, while a bit value of 0 means that the particular limit has not been passed.

  Example:

  Object 1, Index 16-23, Limit States, Value 1 Comparison, 1–8, might contain the following data:

Index	16	17	18	19	20	21	22	23
Values	0	0	0	0	0	1	0	0
Limit	1	2	3	4	5	6	7	8
Passed	No	No	No	No	No	Yes	No	No
Interpretation	Limit 6 is currently passed; all others are not passed.							

6.12: Type F12 Internal Inputs - Low Speed Sampling - Current State

- Each point is associated with the eight Status Inputs, sampled at a rate of 100 times/ second and debounced, requiring 2 consecutive readings to indicate a changed state.
- A bit value of 1 means the input is open; a bit value of 0 means the input is closed.

  Example:

  Object 1, Indexes 80-87, Low Speed Input States, might contain the following data:

Index	80	81	82	83	84	85	86	87
Values	0	1	0	1	0	0	0	1
LS Input States	8	7	6	5	4	3	2	1
Meaning	Closed	Open	Closed	Open	Closed	Closed	Closed	Open
Interpretation	Inputs 7, 5 and 1 are open; all other inputs are closed.							

6.13: Type F13 External Digital Input States

- Each point is associated with the eight External Digital Inputs in an External Digital Input Module.
- A bit value of 1 means the input is open; a bit value of 0 means the input is closed.

  Example:

  Object 1, Indexes 88-95, Digital Input States, Module 1, might contain the following data:

Index	88	89	90	91	92	93	94	95
Values	0	1	0	1	0	0	0	1
External Digital Input States	8	7	6	5	4	3	2	1
Meaning	Closed	Open	Closed	Open	Closed	Closed	Closed	Open
Interpretation	Inputs 7, 5 and 1 are open; all other inputs are closed.							

6.14: Type F14 External Input Accumulations

- Range: 4,294,967,295/0
- Unit: Accumulated Transitions
- Each point contains a 4 byte unsigned integer.

  Example:

  Object 20, Index 10, Input Accumulation 1, Module 1, might contain the following data:

4 byte unsigned integer	06476164H
Decimal	105341284
Accumulated Transitions	105,341,284 Accumulated Transitions

6.15: Type F15 Energy Counter (Binary / Primary)

- Length: 2 Consecutive Points
- Range: 9,999,999,999,999,999/0 VAh, VARh or Wh primary
- 1 VAh, VARh or Wh primary
- Each pair of points contains an 8 byte unsigned integer.

  Example:

  Object 20, Index 42-43, VAhour, might contain the following data:

Index	42	43
Value	00000000H	06476164H
8 byte unsigned integer	0000000006476164H	
Decimal	105341284	
VAh	105,341,284 VAh primary	

6.16: Type F16 Average Select

- Each point contains a 16-bit number associated with the selection of an average as follows:

Value	Average
0000H	Fixed Window
0001H	Sliding Window

6.17: Type F17 CT/PT Ratio

- Length: 2 Consecutive Points
- Each pair of points represents a CT or PT Ratio. The first point is the numerator; the second point is the denominator.

  Example:

  Object 30, Indexes 1815-1816, Time of Use Prior Season CT Ratio, might contain the following data:

Index	1815	1816
Values	000007D0H	0000005H
Decimal	2000	5
Meaning	2000:5	
Interpretation	A 2000 - to - 5 CT Ratio	

6.18: Type F18 Fixed Window Average for Internal Inputs

- Length: 2 Consecutive Points
- Range: 18,446,744,073,709,551,615/0 Units
- 1 VAh, VARh or Wh primary
- Each pair of points contains an 8 byte unsigned integer.

  Example:

  Object 20, Index 818-819, Fixed Window Average Internal Input 1, might contain the following data:

Index	818	819
Value	00000000H	06476164H
8-byte Unsigned Integer	0000000006476164H	
Decimal	105341284	
Fixed Window Average	105,341,284 Units	

6.19: Type F19 Temperature

- Range: +328 C / - 328 C
- Unit: 0.01 degree C
- This point contains a 16 bit signed (2's compliment) number. Positive values have the most significant bit clear and have the same magnitude as an unsigned integer. Negative values have the most significant bit set. The magnitude of a negative value is found by complimenting (inverting) all of the bits and adding 1.

  Example:

  Object 30, Index 2048, Internal Temperature, might contain the following data:

Value	08BBH
Most significant bit	0
Decimal	+2235
Celsius	+22.35 degree C

Object 30, Index 2048, Internal Temperature, might contain the following data:

Value	F745H
Most significant bit	1
Compliment	08BAH
Increment	08BBH
Decimal	-2235
Celsius	-22.35 degree C

6.20: Type F20 Relay Logic States

- Each point is associated with the 16 Limits or Relays.
- A bit value of 1 means TRUE, while a bit value of 0 means FALSE. TRUE and FALSE result from the AND, OR, XOR, Hysteresis and NOT of two input values of 1 or 0.

  Example:

  Object 1, Index 152-159, Relay Logic Input 1, Logic Tree 1-8, might contain the following data:

Index	152	153	154	155	156	157	158	159
Values	0	0	0	0	0	1	0	0
Logic Tree	1	2	3	4	5	6	7	8
State	False	False	False	False	False	True	False	False
Interpretation	The first input to Relay Logic Tree 6 is True; all others are False.							

6.21: Type F21 Relay Delays

- Each point contains an unsigned integer which is a count-down delay. A relay logic tree must be stable for the duration of the delay before triggering a relay. Delays are preloaded when the Gate G value changes. They are decremented every pass thereafter, until they reach zero.

  Example:

  Object 30, Index 2081, Delay Timer, Relay 1, might contain the following data:

Value	04H
Bytes	04H
Interpretation	Relay 1 has 4 seconds of delay remaining.

6.22: Type F22 Desired Relay States

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay should be energized (connected to Normal Open); a bit value of 0 means the relay should be de-energized (connected to Normal Close). These are states pending transmission to the relays.

  Example:

  Object 1, Indexes 392-399, Desired Relay States, Relays 1-8, might contain the following data:

Index	392	393	394	395	396	397	398	399
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
State	NC	NC	NC	NC	NC	NO	NC	NC
Interpretation	Relay 6 should be energized; all others should be de-energized.							

6.23: Type F23 Relay Pending Updates

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay needs to be updated; a bit value of 0 means the relay does not need to be updated.

  Example:

  Object 1, Indexes 408-415, Relay Pending Updates, Relays 1-8, might contain the following data:

Index	408	409	410	411	412	413	414	415
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
State						Update		
Interpretation	Relay 6 needs to be updated.							

6.24: Type F24 Shadowed Relay State

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay is energized (connected to Normal Open); a bit value of 0 means the relay is de-energized (connected to Normal Close). These are states not confirmed by a status poll of the external device.

  Example:

  Object 1, Indexes 424-431, Shadowed Relay States, Relays 1-8, might contain the following data:

Index	424	425	426	427	428	429	430	431
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
State	NC	NC	NC	NC	NC	NO	NC	NC
Interpretation	Relay 6 is energized; all others are de-energized.							

6.25: Type F25 Confirmed Polled Relay State

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay is energized (connected to Normal Open); a bit value of 0 means the relay is de-energized (connected to Normal Close). These states are confirmed by a status poll of the external device.

  Example:

  Object 10, Indexes 0-7, Confirmed Polled Relay States, Relays 1-8, might contain the following data:

Index	0	1	2	3	4	5	6	7
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
State	NC	NC	NC	NC	NC	NO	NC	NC
Interpretation	Relay 6 is energized; all others are de-energized.							

6.26: Type F26 Valid Flag for Confirmed Relay State

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay is valid; a bit value of 0 means the relay is invalid.

  Example:

  Object 1, Indexes 440-447, Valid Flag for Confirmed Relay States, Relays 1-8, might contain the following data:

Index	440	441	442	443	444	445	446	447
Values	1	1	1	1	0	0	0	0
Relay	1	2	3	4	5	6	7	8
Valid	Valid	Valid	Valid	Valid	Invalid	Invalid	Invalid	Invalid
Interpretation	Relays 1-4 have been polled - Confirmed States are valid.							

6.27: Type F27 Locked Relay

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay is locked; a bit value of 0 means the relay is unlocked and Limits of Relay Logic Trees and Relays determine the state of the relay.

  Example:

  Object 1, Indexes 456-463, Confirmed Polled Relay States, Relays 1-8, might contain the following data:

Index	456	457	458	459	460	461	462	463
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
Locked	No	No	No	No	No	Yes	No	No
Interpretation	Relay 6 is locked; all others are unlocked.							

6.28: Type F28 Locked Relay State

- Each point is associated with the 16 Relays.
- A bit value of 1 means the relay is energized (connected to Normal Open); a bit value of 0 means the relay is de-energized (connected to Normal Close).

  Example:

  Object 1, Indexes 472-479, Confirmed Polled Relay States, Relays 1-8, might contain the following data:

Index	472	473	474	475	476	477	478	479
Values	0	0	0	0	0	1	0	0
Relay	1	2	3	4	5	6	7	8
Locked	NC	NC	NC	NC	NC	NO	NC	NC
Interpretation	Relay 6 is locked energized; all others (if locked) are locked de-energized.							

6.29: Type F29 Action Points

■ Each point, when acted upon with a Control Relay Output Block, will perform a different function.

Index	Action
128	All Logs will be reset.
129	All Maximums will be reset.
130	All Minimums will be reset.
131	All Energy Readings will be reset.
132	Time of Use Data will be reset.
133	A waveform will be captured.
134	Pulse Accumulations will be reset.
135	The device is temporarily switched to Boot Mode using default communication parameters of: Modbus RTU, Address 1, 9600 Baud, 8n1 on all ports. Communicator EXT Software can Flash update the Run-Time Code or Programmable Settings on this or any other comm port at this time. If Flash updating does not take place for 30 seconds while in this mode, the meter returns to the regular Run-Time mode with the programmed settings on all ports.