BSAP Communication Guide for Emerson FB1000 and FB2000 Series Flow Computers

Remote Automation Solutions

EMERSON™

Application Safety Considerations

Protecting Operating Processes

A failure of this application – for whatever reason -- may leave an operating process without appropriate protection and could result in possible damage to property or injury to persons. To protect against this, you should review the need for additional backup equipment or provide alternate means of protection (such as alarm devices, output limiting, fail-safe valves, relief valves, emergency shutoffs, emergency switches, etc.)

Contents

Section 1: Introduction

Emerson FB1000 and FB2000 Series Flow Computers support a subset of the Bristol Synchronous/Asynchronous Protocol (BSAP) on any serial or Ethernet port. This allows the flow computers to support many of the functions common to ControlWave flow computers or Network 3000 devices such as TeleFlow flow computers.

Data in these devices maps to a series of variable/signal names that mimic the names used in typical BSAP applications. You cannot change the mapping; BSAP names cannot be added, deleted, or changed.

Notes:

- The term "signal" used in legacy Network 3000 devices continues to be used in certain OpenBSI and OpenEnterprise software. Consider it synonymous with the term "variable" used in ControlWave devices.
- Unlike ControlWave/Network 3000 devices, the application in the FB1000 and FB2000 Series Flow Computers is fixed and cannot be modified by the user, except for configuration parameter settings in FBxConnect™ software.

1.1 Glossary

Explanations of the following terms may be helpful in understanding this manual:

BSAP	Bristol Synchronous/Asynchronous Protocol; the standard communication protocol used by legacy Bristol Babcock and Bristol controllers and RTUs including ControlWave and Network 3000 devices. FB1000 and FB2000 Series Flow Computers now support BSAP.
NRT	Node routing table. A table which describes how messages should be sent between nodes in a BSAP network. By default, downloading to a device automatically includes an NRT message.
Peer-to-Peer	Transfer of list structures from one controller/RTU to another controller/RTU on the same BSAP level.
RDB	Remote Data Base access messages. These are messages sent by PC-based software such as OpenBSI DataView or TechView to collect data from an RTU or flow computer.
RDI	Remote Database Interface. A driver program that handles communication between a device and the OpenEnterprise database.
Time Synch	Time synchronization (TS) message. Often sent together with an NRT message, this sets the current time and date in the RTU or flow computer to the date and time in the host device.

1.2 Supported Functions:

The FB1000 and FB2000 Series Flow Computers support the following functions:

- **BSAP core communications**
  Responds to standard BSAP communication functions including RDB (Remote Data Base) messages from OpenBSI utilities or the OpenEnterprise BSAP Remote Database Interface (RDI).

- **Local BSAP messages**
  Responds to messages from a BSAP node on the same network level, or on a level immediately above them.

- **Global BSAP message addressed to this device**
  Accepts and processes global BSAP messages addressed directly to them. Pass-thru of global BSAP messages destined for other BSAP nodes is not supported because BSAP master functionality is not supported.

- **Expanded BSAP messages**
  Can reside in an EBSAP network level that has more than 127 nodes.

- **Time Synch / NRT messages**
  Accepts time synchronization messages from their BSAP master device and reset the date/time to match that in the BSAP master device. Node routing table (NRT) messages are processed to allow global messages to reach the correct BSAP devices. See *Section 1.7* for more information.

- **Alarm reporting**
  Reports alarm conditions from the alarm log as BSAP alarm messages in the specified message format. Alarm acknowledgement is processed but not currently supported in FB1000/FB2000 Series Flow Computers. See *Section 1.6* for more information.

- **Historical log collection**
  Collects historical logs as archive files or as data arrays. Variables mapped to the archive columns/fields are always presented as native variable names. See *Section 1.4* for details on archive file size.

- **Audit Event messages**
  Maintains audit event logs; does not support audit alarm messages. Only returns valid MSD values for events which are mapped to BSAP signals, and returns an MSD of 65535 (unknown signal) for other parameter change events.

- **Peer-to-Peer BSAP Server messages**
  Supports two predefined peer-to-peer SERVER function blocks to access pre-defined lists for read/write operations. One generic SERVER function block allows access to other lists that are not pre-defined. Supports both serial and Internet Bristol Protocol (IBP) connections.

- **Communication Statistics**
  Provides standard BSAP communication statistics.

- **Variables**
  Maps variables to ACCOL3 names that match ControlWave flow computer application variable names. RDB messages can collect these variables using native names or using the ACCOL3 format.

- **Remote Lists**
  Supports LISTs that match those in ControlWave flow computer applications. RDB messages can collect these lists. These lists are fixed; it is not possible to add, modify, or delete variables from these lists.

1.3 Unsupported Functions

The FB1000 and FB2000 flow computers **do not** support the following functions common to ControlWave devices:

- **BSAP Master Port**
  FB1000 and FB2000 Series Flow Computers support only BSAP slave ports.

- **Report by Exception (RBE)**
  Report by exception is not supported; data must be collected.

- **Global Pass-thru Messages**
  Because the FB1000 and FB2000 Series Flow Computers cannot be configured with BSAP master ports, they cannot re-transmit global messages to other devices. They are always end-nodes in a BSAP network.

- **Peer-to-Peer BSAP Client functionality**
  FB1000 and FB2000 Series Flow Computers cannot initiate peer-to-peer requests; they do not support CLIENT function blocks.

- **BTCP or Virtual Protocols**

- **Web Pages**
  FB1000 and FB2000 Series Flow Computers cannot store web pages like ControlWave devices.

- **Flash File Access, Flash Parameter downloads, application downloads**

- **Alarm, Control, Manual Enable/Inhibit Flags**

1.4 Restrictions on Archive File Size

When you use DataView to collect Archive files in a BSAP network, you can only display archive records that are 220 bytes or less. The system uses a total of four bytes of the 220 to display the timestamp, plus two bytes to store the local sequence number, and two bytes to store the global sequence number. This leaves 212 bytes for other columns of data. An archive file can include no more than 53 columns of floating point data. If a History Group is defined with too many columns, the request is rejected with an "Archive not Found" error.

Table 1-1. Archive File Sizing

Type of Data	Number of Bytes Required
Timestamp	4
Local Sequence Number	2
Global Sequence Number	2
Analog Floating Point value	4
Logical / BOOL value	1

1.5 Notes About Using FB1000 and FB2000 Series Flow Computers with Station Manager XT

When you use FB1000 and FB2000 Series Flow Computers with Station Manager XT, the engineering units displayed onscreen are those chosen in FBxConnect, not the units chosen within Station Manager XT software.

If you want engineering units displayed in FBxConnect to match those in Station Manager XT, you must reconfigure the units in FBxConnect to match the Station Manager XT units.

1.6 Alarm Reporting

The flow computer generates BSAP alarm reports as follows:

- Serial Connection: When a poll message from a serial connection indicates that the host can accept alarm reports, the flow computer sends pending alarm report(s) to the host.
- IBP Connection: During response packet generation, the system checks for pending alarms, and if they are found, it reports them to the host.

1.6.1 Alarm State Transition Reporting

As an alarm variable transitions from one state to another, BSAP alarm messages from an FB1000 Series and FB2000 Series Flow Computer may differ from reports seen through Field Tools. *Table 1-2*, below, shows sequences of alarm messages reported as a variable transitions between different states:

Table 1-2. BSAP Alarm State Transition Reporting

Final State / Start State	HIHI	HIGH	NORMAL	LOW	LOLO
HIHI		**HIGH**	HIGH **NORMAL**	HIGH NORMAL **LOW**	HIGH NORMAL LOW **LOLO**
HIGH	**HIHI**		NORMAL	NORMAL **LOW**	NORMAL LOW **LOLO**
NORMAL	HIGH **HIHI**	**HIGH**		**LOW**	LOW **LOLO**
LOW	NORMAL HIGH **HIHI**	NORMAL **HIGH**	**NORMAL**		**LOLO**
LOLO	LOW NORMAL HIGH **HIHI**	LOW NORMAL **HIGH**	LOW **NORMAL**	**LOW**	

1.6.2 Special Logical Alarms

In addition to the standard alarm states mentioned above, a set of pre-defined alarms exist for special circumtances.

Table 1-3. Pre-Defined Special Logical Alarms

Alarm Sub-Type	BSAP Variable Used to Report This Alarm
Rate of Change Alarm	@GV.RATE_CHANGE_ALM
Account Locked Alarm	@GV.USER_ACC_LOCKED_ALM
Log Full Alarm	@GV.LOG_FULL_ALM
Log Nearly Full Alarm	@GV.LOG_NEARLY_FULL_ALM
Log Integrity Fail Alarm	@GV.LOG_INTEGRITY_FAIL_ALM
Battery Status Alarm	@GV.BATT_STATUS_ALM
Low Voltage Alarm	@GV.LOW_VOLTAGE_ALM
Override Alarm	@GV.OVERRIDE_ALM

Alarm Sub-Type	BSAP Variable Used to Report This Alarm
Point Fail Alarm	@GV.POINT_FAIL_ALM
DI ON Status Alarm	@GV.DI_ON_ALM
No Response from History	@GV.NO_RESP_FRM_HISTORY_ALM
Components Analysis Timeout	@GV.ANALYSIS_TIMEOUT_ALM
Components Normalization Failure	@GV.NORMALIZE_FAIL_ALM
Flow Calculation Alarm	@GV.FLOW_CALC_ALM
Properties Calculation Alarm	@GV.PROP_CALC_ALM
Auto-Adjust System Alarm	@GV.AA_SYSTEM_ALM
Auto-Adjust Flow Alarm	@GV.AA_FLOW_ALM
Auto-Adjust Delta Alarm	@GV.AA_DELTA_A_ALM
History Point Movement Failure	@GV.HP_MOVE_FAIL_ALM
Door Open Alarm	@GV.DOOR_OPEN_ALM

1.7 Time Synchronization/Node Routing Table Handling

FB1000 and FB2000 Series Flow Computers accept time synchronization (TS) messages from their BSAP master device and reset the date/time to match that in the BSAP master device. Node routing table (NRT) messages are processed to allow global messages to reach the correct BSAP devices.

After any flow computer restart (power-up or cold start) the flow computer waits for a poll message from the BSAP host. It responds to the poll with a request for the TS/NRT. If a TS/NRT is received then the flow computer processes it. If no TS/NRT arrives the flow computer requests it again the next time it receives a poll message from the host. If a TS/NRT is still not received then the flow computer waits for 45 seconds and repeats the two requests. This process repeats until the flow computer receives a valid TS/NRT.

When the TS/NRT is processed the flow computer system time is set and generates an entry in the event log noting the system time change. Because of this, it is recommened that the flow computer and SCADA/hosts must be configured to accept the TS/NRT from only a limited number of sources.

When TS/NRT messages are received over an IBP connection, alarm destinations are not used; instead, alarms are reported to any hosts (either serial or IBP) that can accept and process alarm reports.

1.7.1 Network Host PCs (NHPs) and TS/NRTs

Beginning with firmware version 1.02.05.43 (24-May-2018) you can define up to two NHPs for the flow computer. Previously, only a single NHP was allowed.

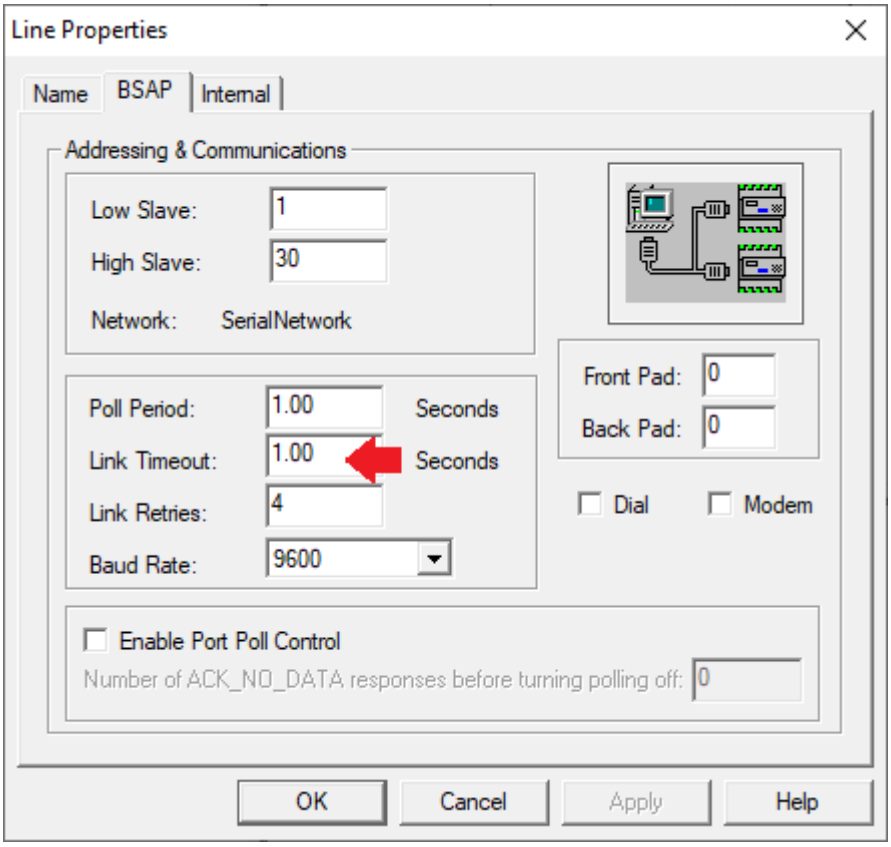
When one or two NHP(s) are defined, the flow computer responds only to a TS/NRT message from one of its defined NHPs. Any other TS/NRT messages are ignored.

When no NHPs are defined, a TS/NRT message sent from any IP host that makes a connection to the flow computer is processed unless TS/NRT processing is inhibited for the Ethernet port. Any other TS/NRT messages received are ignored.

1.8 BSAP Serial Line – Setting the Link Timeout

The Link Timeout on a BSAP serial line is the amount of time (in seconds) that a BSAP master (host) waits for a response to a data request from a device (controller/flow computer) . Once the link timeout expires, the host declares a communication error from the device and either requests the data again or declares the device “dead.”

In OpenBSI’s NetView software, the Link Timeout defaults to 0.25 seconds. To communicate with FB1000/FB2000 Series Flow Computers on a BSAP serial line, you must set the link timeout to 1 second. To access this page, right-click on the serial COM line icon in NetView’s tree, choose Properties and select the BSAP tab of the Line Properties dialog box.



1.9 Date/Time Variables

The following variables provide components of the current time stamp. Flow computers with firmware version (2.5.0) or newer support these variables.

Table 1-4. Date/Time Variables

ControlWave Name	FBxDevice Tag Name	Dynamic Object Name	Description
@GV.TIME_002	Clock_1.YEAR	FIXED_OBJ_REF	Year (4 digit)
@GV.TIME_003	Clock_1.MONTH	FIXED_OBJ_REF	Month (1-12)
@GV.TIME_004	Clock_1.DAY	FIXED_OBJ_REF	Day (1-31)
@GV.TIME_005	Clock_1.HOUR	FIXED_OBJ_REF	Hour (0-23)
@GV.TIME_006	Clock_1.MINUTE	FIXED_OBJ_REF	Minute (0-59)
@GV.TIME_007	Clock_1.SECOND	FIXED_OBJ_REF	Second (0-59)

The following variables provide components of the current time stamp in the format for ControlWave system variables (preceded with an underscore '_'). Flow computers with firmware version (2.11.0) or newer support these variables.

Table 1-5. Date/Time System Variables

ControlWave Name	FBxDevice Tag Name	Dynamic Object Name	Description
@GV._TIME_002	Clock_1.YEAR	FIXED_OBJ_REF	Year (4 digit)
@GV._TIME_003	Clock_1.MONTH	FIXED_OBJ_REF	Month (1-12)
@GV._TIME_004	Clock_1.DAY	FIXED_OBJ_REF	Day (1-31)
@GV._TIME_005	Clock_1.HOUR	FIXED_OBJ_REF	Hour (0-23)
@GV._TIME_006	Clock_1.MINUTE	FIXED_OBJ_REF	Minute (0-59)
@GV._TIME_007	Clock_1.SECOND	FIXED_OBJ_REF	Second (0-59)

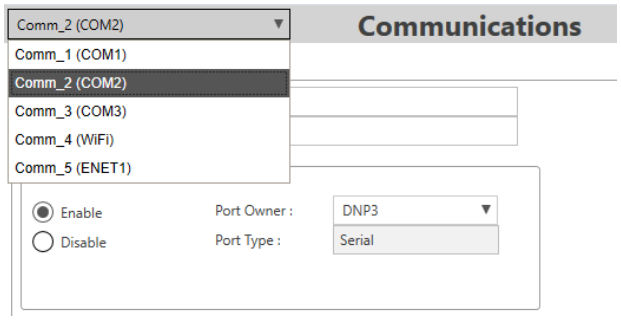
Section 2: Configuring BSAP in the Flow Computer

In order for an FB1000/FB2000 Series Flow Computer to communicate using BSAP, you need to define a BSAP slave port, as well as a user who has privileges to use the BSAP protocol.

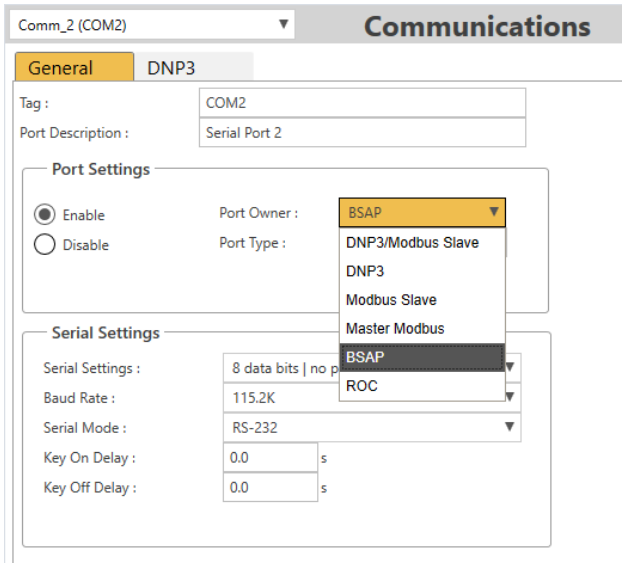
Note: If configuring BSAP over IP (Ethernet port) the number of IP sessions is limited to 6. Field Tools allows you to configure any of sessions 1 through 6 for BSAP. communications Session 7 is reserved for Modbus Master protocol.

2.1 Creating a BSAP Slave Port

1. In FBxConnect, click **Configure > Communications**.
2. On the **General** tab, use the list box to select the port (serial port COM1, COM2, COM3, Wi-Fi port, or Ethernet port) you want to use for BSAP communications.

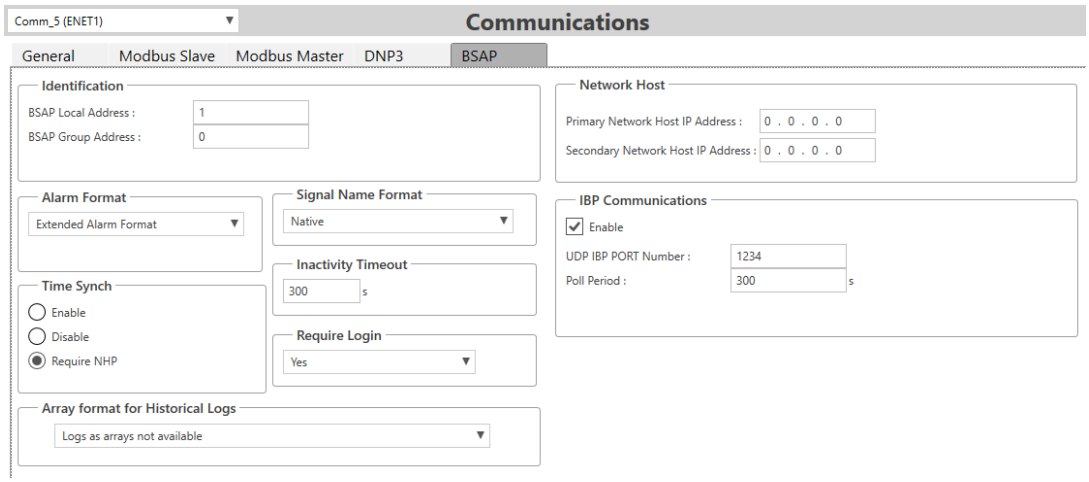


3. Ensure the port is enabled, then select **BSAP** as the Port Owner.



4. Modify the **Serial Settings**, **Baud Rate**, and **Serial Mode**, if needed, otherwise use the defaults shown in FBxConnect. Click **Save** when complete.

5. The **BSAP** tab allows you to configure certain parameters for the port.



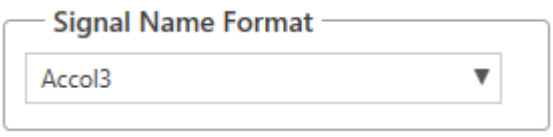
BSAP Local Address	This address can range from 1 to 127. The default is 1. This number must be unique in a given level of a BSAP network.
BSAP Group Address	This should be left at the default of 0 unless the device belongs to an expanded BSAP network. If the device is part of an expanded BSAP network, you must specify the proper group number.
Alarm Format	There are two BSAP alarm formats. Which one you choose depends on the format supported by the device (or SCADA host) on the other end of the communication line. Standard Format — Shows the minimum required fields in a BSAP alarm message. Extended Alarm Format — Shows additional fields in a BSAP alarm message. (Default)

Signal Name Format

Signal names can be in one of three formats. You typically need to choose what is supported by your SCADA host.

ControlWave	ControlWave naming (@GV) is used. Enhanced string searches are allowed, and BASENAME, EXTENSION, and ATTRIBUTE searches are limited. Examples: @GV.R1_AGA7_BaseDensity @GV.R1_AGA7_CFactor @GV.R1_AGA7_DensSwitch
Native	(Default) Signals follow the native format of the flow computer database. Examples: DP Mtr_1.DP_INUSE DP Mtr_1.PF_INUSE DP Mtr_1.TF_INUSE DP Mtr_1.SVOL_RATE Average_1.CUR_DAY_AVG Averager_4.CUR_DAY_AVG
Accol3	If possible, the name is returned as strict ACCOL format (BASE.EXTENSION.ATTRIBUTE) – this is the equivalent of the translation implemented on the ControlWave. With these signals, the BASENAME, EXTENSION, and ATTRIBUTE searches strictly use the corresponding sections of the tag. Examples: R1.AGA7.BaseDensity R1.AGA7.CFactor R1.AGA7.DensSwitch

NOTE: If you plan to use this BSAP port to communicate with OpenEnterprise, you must choose "Accol3".

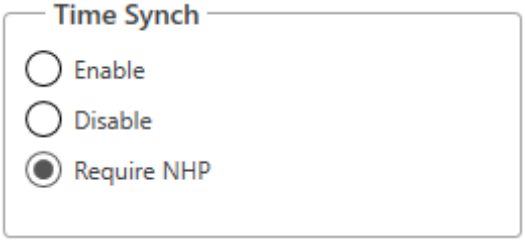


Time Synch

The TS/NRT message sets the flow computer time to the same time of the BSAP master device and also sets up the node routing table (NRT) to support global messages received from master nodes. When the flow computer does not have a valid NRT it cannot process global messages. Users may pick one of the following options:

Enable	(Default on Serial ports) The device accepts time synchronization messages from the BSAP master. (On Ethernet ports, will accept time synchs from any IP address if both of the NHPs are at their default of 0.)
Disable	The device does not accept time synch messages from the BSAP master.
Require NHP	(Default on Ethernet ports) The FB Series product accepts time synchronization messages only if the sender of the time synch is either the Primary or Secondary Network Host IP Address. **Note** This field applies only to Ethernet ports.

NOTE: If you plan to use this BSAP port to communicate with OpenEnterprise, you must enable time synchs.



Inactivity Timeout

Defines (in seconds) how long a user remains signed on if they are not communicating. If there is no activity for this duration, the system logs out the user, and they must sign-in again to regain access. This ranges from 30 to 86400 seconds.

Array format for Historical Logs

Refer to Table 3-3 for information on supported array record formats.

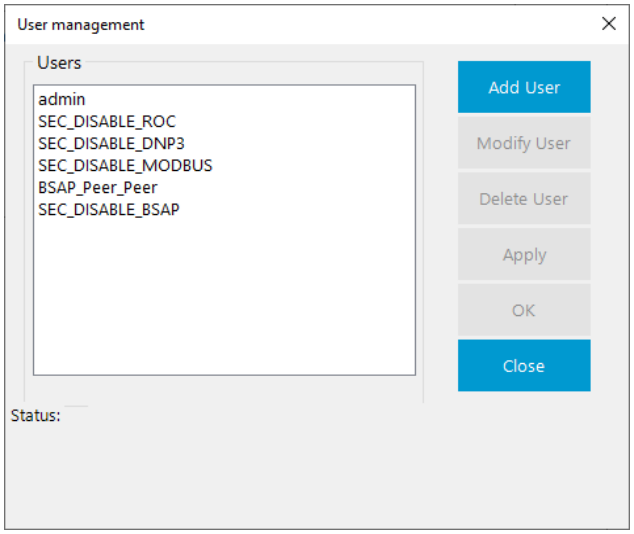
Network Host	These parameters apply to BSAP communications over IP (IBP) only:
Primary Network Host IP Address	Allows user to enter the primary IP address of the host system.
Secondary Network Host IP Address	Allows user to enter the secondary IP address of the host system.
IBP Communications	These parameters apply to BSAP communications over IP (IBP) only:
Enable/Disable UDP for BSAP	Select **Enable** to allow IBP communication.
UDP IBP Port Number	Specifies the UDP port number used for IBP. The default is 1234. For security purposes, you may want to change this.
Poll Period	This parameter monitors the port for a specified period of seconds (0 to 86400). If the connection remains inactive for this duration, the user is logged off, an event is recorded, and connection is freed for a new BSAP IBP session. The poll period default is 30 seconds.

6. Click **Save** to save the parameters for the port.

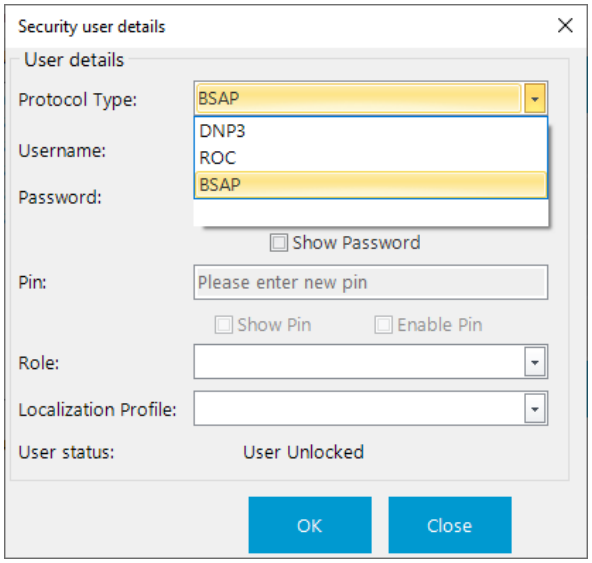
2.2 Creating a BSAP User

You must create at least one BSAP user.

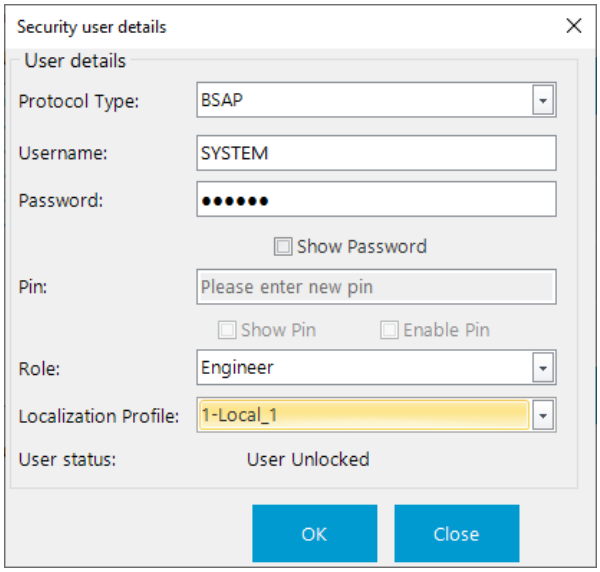
1. In FBxConnect, click **Services > User Management**.
2. In the User Management – Connection dialog box, click **Add User**.



3. In the Security user details dialog box, select **BSAP** as the **Protocol Type**.



4. Create a user with a **Username** of **SYSTEM** and with a **Password** that matches the password for your OpenEnterprise SYSTEM user. (If you are not using OpenEnterprise, you could use a different username and password combination.) The Role for the SYSTEM user must be Admin or Engineer.



5. Click **OK** to exit the dialog box.

6. Click **Save** to save the definition.

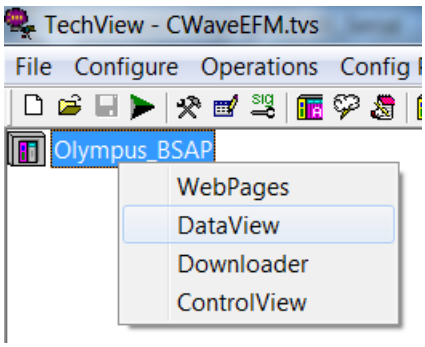
.

Section 3: BSAP Communication Use Cases

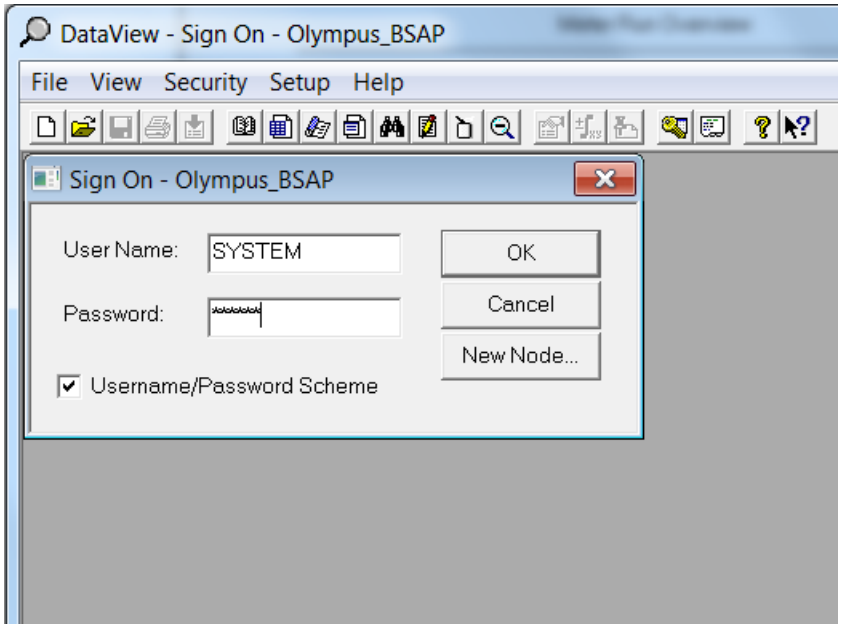
BSAP serial or IBP communication to an FB1000/FB2000 Series Flow Computer could be through DataView (launched from either TechView or NetView), through OpenEnterprise data collection, or through peer-to-peer communication with a different BSAP-capable RTU or flow computer or other BSAP/RDB-capable host.

3.1 Collecting a List Through DataView

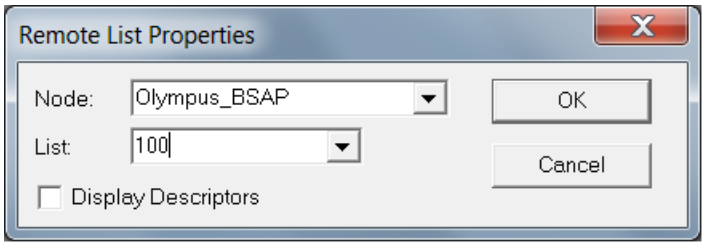
1. Launch DataView. (You can launch it from within OpenBSI NetView, from TechView in OpenBSI or Field Tools, or from within OpenEnterprise.)



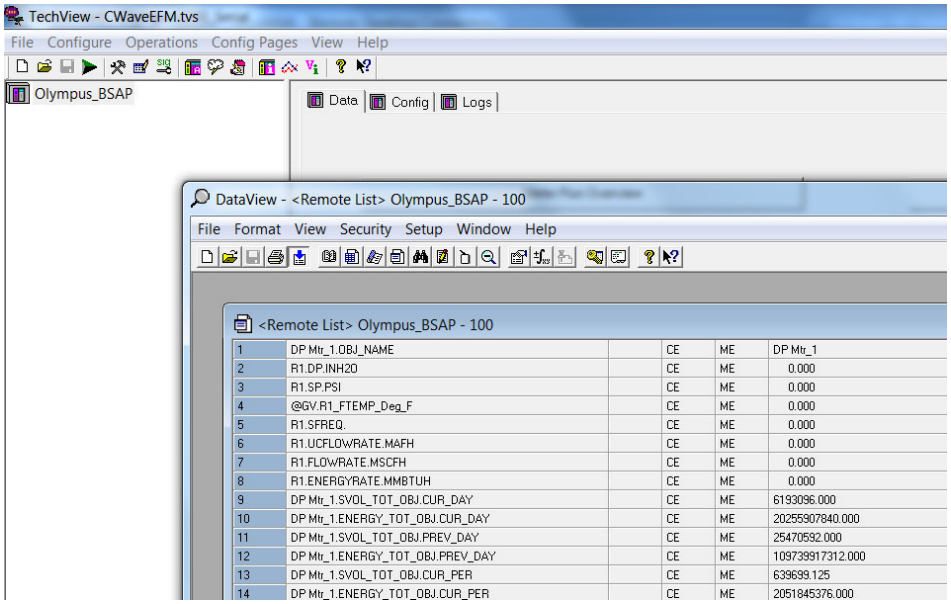
2. When prompted, login to the device using the username and password you defined for a BSAP user in *Section 2.2*.



3. Click the Remote List icon and in the Remote List Properties dialog box, select one of the lists included in *Section 4.4* and click **OK**.



4. You can now view the contents of the list.



3.2 BSAP Peer-to-Peer Communication Between the Flow Computer and another RTU CLIENT Function Block

The flow computer includes two fixed pre-defined SERVER function blocks to ensure backward compatibility with legacy flow computer applications.

Table 3-1. Pre-defined Fixed SERVER function blocks in FB1000/FB2000 Series Flow Computer

SERVER_ID	CLIENT in ControlWave device reads from this LIST in the FB1000/FB2000 Series Flow Computer	CLIENT in ControlWave device writes to this LIST in the FB1000/FB2000 Series Flow Computer
1	3	4
5	100	97

Note: If you need to read data from a LIST other than 3 or 100, you can use the generic server which reads a LIST based on any LIST number in the FB1000/FB2000 Series Flow Computer from 2 to 4 or 6 to 255. When configuring the CLIENT function block in the other device, specify the list number you want to read on the iiServer ID parameter. **The generic server cannot read LIST 1 or LIST 5 because of the pre-defined SERVER_ID definitions**.

3.2.1 Setting up the ControlWave CLIENT

The only configuration for peer-to-peer communications with the FB1000 and FB2000 Series Flow Computer is in the ControlWave device that communicates with it. You must modify your ControlWave Designer project to handle the peer-to-peer communication, then build the project and download it into the ControlWave controller/ flow computer. See the ControlWave Designer online help for details on CLIENT/SERVER communication.

3.3 Using BSAP to communicate with an FB1000/FB2000 Series Flow Computer through OpenEnterprise

You add an FB1000 or FB2000 Series Flow Computer to OpenEnterprise as you would any ControlWave device. BSAP communication between the FB1000 and FB2000 Series Flow Computer and OpenEnterprise™ is then handled as if the flow computer was a ControlWave device.

Once added, you can collect and view data from the device.

3.3.1 Logons and the SYSTEM User

The FB1000/FB2000 Series Flow Computer must have a SYSTEM user (see Section 2.2). The SYSTEM user must have Admin or Engineer credentials.

All OE Container logons by an operator must be the SYSTEM user. Any subsequent RTU tools, such as DataView, the EFM Scheduler, will logon to the flow computer using the same credentials as OE Server.

The EFM Scheduler logs onto the flow computer as the first action of a scheduled local address collection. The flow computer logon consists of two BSAP messages. The EFM actions are:

1. Time sych with the flow computer.

2. Logon to the flow computer.

3. Write pending lists/recipes.

4. Trigger local address scheduled request.

Note: OpenEnterprise handles operator actions taken using the OE container, and OE server tasks such as data collection (EFM Scheduler and BSAP RDI) differently.

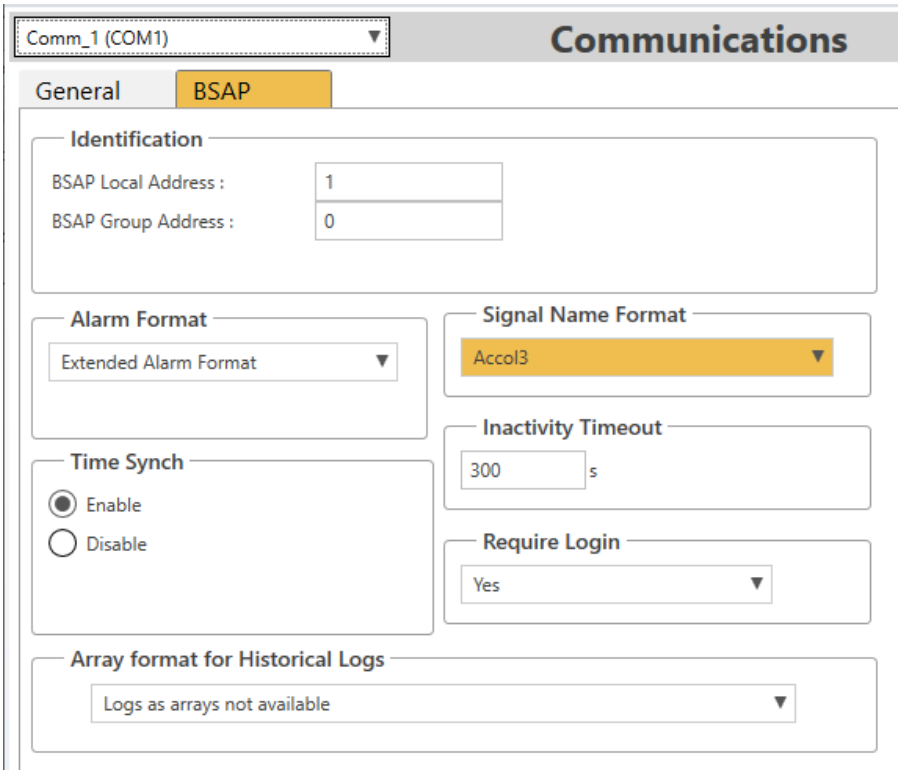
By default, server tasks log on as the SYSTEM user using the ControlWave-mapped credentials for the SYSTEM user.

For operator actions in the OE container, logging on as the OE SYSTEM user allows RTU Tools (DataView) to work by default. DataView logs onto the FB1000/FB2000 Flow Computer directly as the SYSTEM user. Other OE users can use different credentials from the flow computer (or the SYSTEM user).

3.3.2 Master SIG File

A master signal (*.SIG) file for the FB1000/FB2000 Series Flow Computer contains all equivalent BSAP signals from legacy ControlWave GFC/XFC products that have corresponding object parameters in the FB1000/FB2000 Series Flow Computer database.

You must use the ACCOL3 signal naming convention for all BSAP signals collected through the BSAP port by OpenEnterprise.This ensures consistency with ControlWave devices since OpenEnterprise treats the device as a ControlWave.

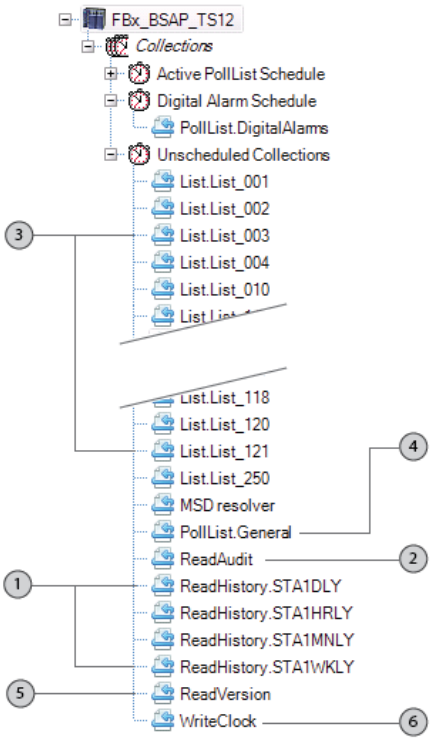


Edit the Master SIG File to represent the signals you wish to include in the OpenEnterprise database. You must preserve the first line (MSDVERS) and only the other signals you want to include.Remove all comments and signals you do not want to include. When finished, open the SIG file in Signal Extractor. For OpenEnterprise you should generate an XML file and then add the RTU as you would any other device.

3.3.3 BSAP Data Collection

You must add the FB1000/FB2000 Series Flow Computer as a ControlWave with an XML file. It must have the same data collection request types.

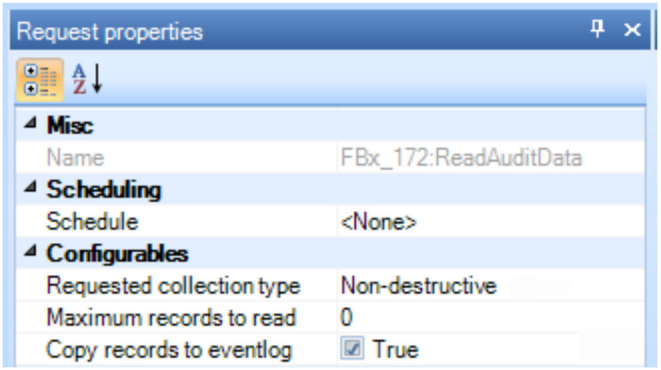
From the Network Communications pane in OpenEnterprise, expand the tree underneath the ControlWave icon which represents the FB1000 and FB2000 Series Flow Computer.



Types of BSAP collection requests:

1) ReadHistory - Collects Monthly, Weekly, Daily, and Hourly history values from the flow computer.

2) Audit - The OE Audit menu can be used to request audit data.



3) Lists - The lists from the flow computer contain categorized signal collections.

4) PollList.General - Collects all the PollList values.

5) ReadVersion – Reads the version of the flow computer.

6) WriteClock - This writes the server's time to the flow computer.

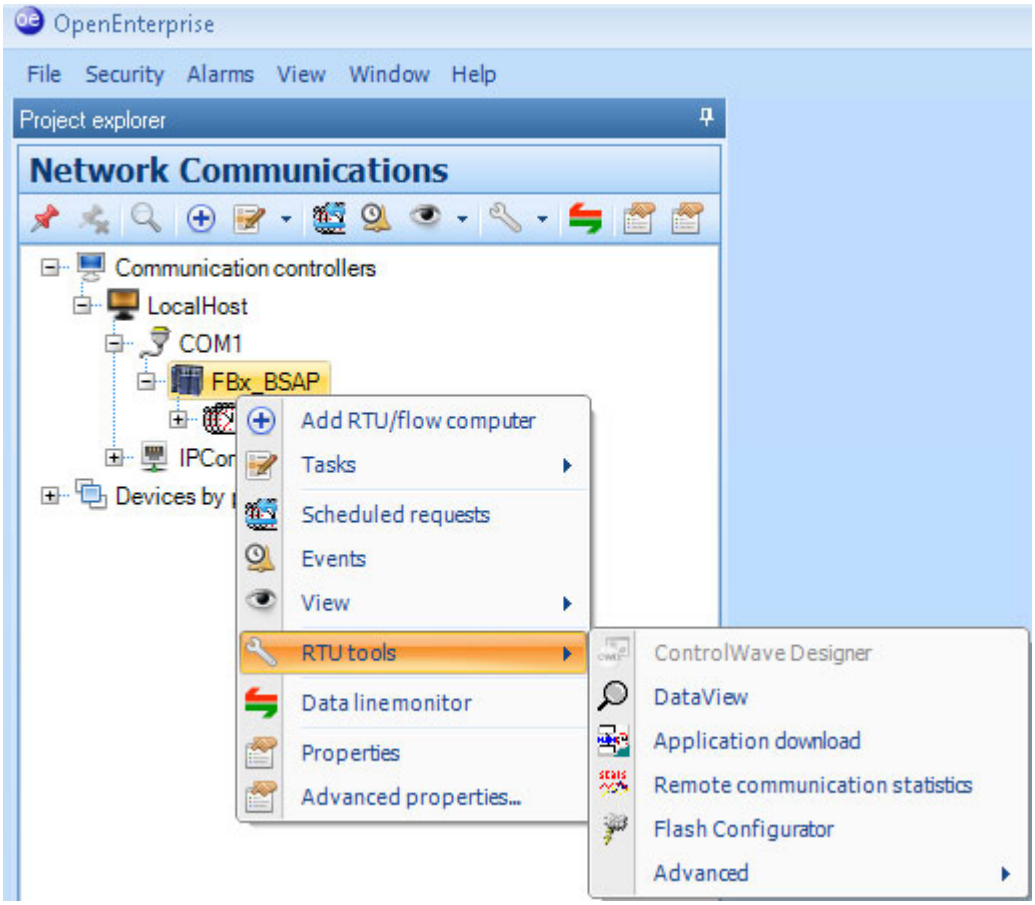
7) Logon – Log on to the RTU using default credentials

Note: Collection requests can be associated with a Schedule for collection at set intervals of time, (such as every 30 seconds, every 30 minutes, and so on). If a collection is not associated with a Schedule it will remain in the Unscheduled Collections node. Active PollList Schedules are Bristol/ControlWave specific Poll-lists intended to collect data at a faster rate when the signals are currently being viewed by an OpenEnterprise Operator HMI display.

Note: If you are replacing an existing RTU/flow computer with an FB1000/FB2000 Series Flow Computer, you must add it as a ControlWave, no matter what the original device being replaced was (ControlWave, ROC, FloBoss, or Bristol Network 3000).

3.3.4 DataView/Remote Communication Statistics Tools

From the Network Communications pane in OpenEnterprise, right-click on the ControlWave icon which represents the FB1000 and FB2000 Series Flow Computer, then select either **RTU tools > DataView** or **RTU tools > Remote communication statistics** to use those tools.



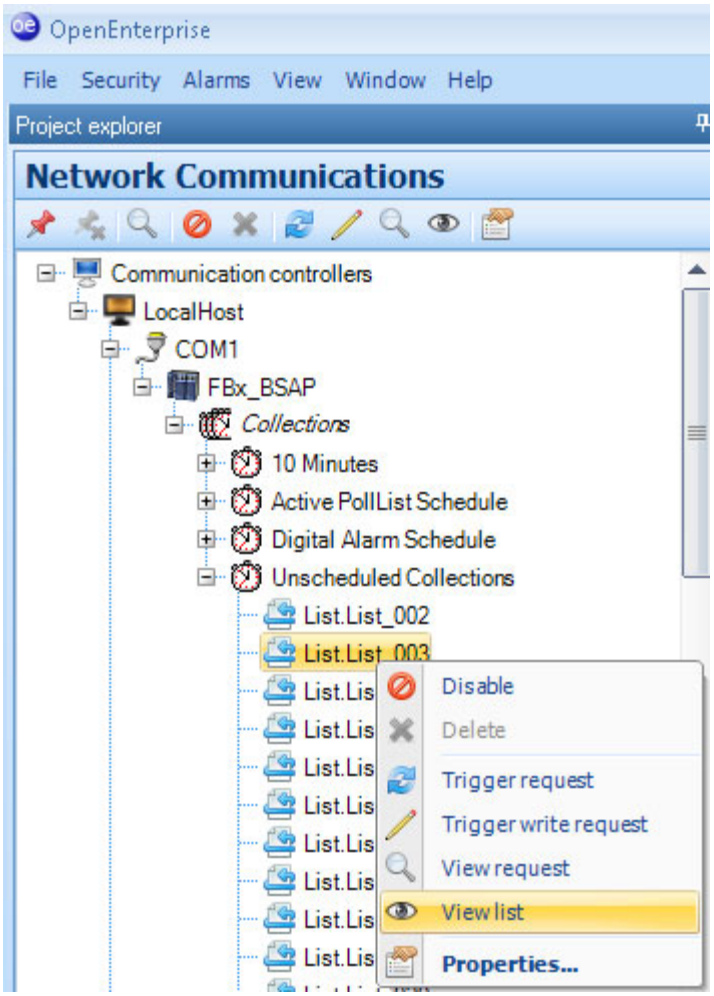
Note

Only the **DataView** and **Remote communication statistics** options are available for FB1000/FB2000 Series Flow Computers.

3.3.5 View List

You can view lists that are part of collections as follows:

From the Network Communications pane in OpenEnterprise, expand the collections underneath the ControlWave icon which represents the FB1000 and FB2000 Series Flow Computer. Right-click on the desired list and choose **View List** from the menu.



Following is an example list:

FBx_BSAP_TS12:List.3 - Items

Drag a column header here to group by that column.

Device	List	Row	Signal name	Occurrence time	Read	Write
FBx_BSAP_TS12	3	1	Station_1.SVOL_RATE	21/11/2016 11:41:40	**5282.33**	**5283.54**
FBx_BSAP_TS12	3	2	DP Mtr_1.SVOL_RATE	21/11/2016 11:41:40	**2641.16**	**2641.77**
FBx_BSAP_TS12	3	3	DP Mtr_1.DP_INUSE	21/11/2016 11:41:40	**44**	**44**
FBx_BSAP_TS12	3	4	DP Mtr_1.#	21/11/2016 11:41:40	**0**	**0**
FBx_BSAP_TS12	3	5	DP Mtr_1.#	21/11/2016 11:41:40	**0**	**0**
FBx_BSAP_TS12	3	6	DP Mtr_2.SVOL_RATE	21/11/2016 11:41:40	**2641.16**	**2641.77**
FBx_BSAP_TS12	3	7	DP Mtr_2.DP_INUSE	21/11/2016 11:41:40	**44**	**44**
FBx_BSAP_TS12	3	8	DP Mtr_2.TF_INUSE	21/11/2016 11:41:40	**0**	**0**
FBx_BSAP_TS12	3	9	DP Mtr_2.PF_INUSE	21/11/2016 11:41:40	**12.8938**	**12.8993**

Right clicking on a row item shows a context menu with the following options:

- **Edit:** Opens the Change Signal Dialog to allow the variable/signal to be manually entered for String/Analog values or in the case of a Digital value True/False. The value will not be written to the RTU until Write list is triggered.
- **Read list:** Reads the entire list of values from the RTU and updates the relevant list values.
- **Write list:** Writes the values in the Write column to the RTU.
- **Enable/Disable:** Enable/Disable the selected List-point in the List.

3.3.6 Collecting Archives (Historical Logs) As Data Arrays

Beginning with firmware version 01.01.00.25 in the FB1000/FB2000 Series Flow Computer, a BSAP host or a ControlWave device can collect historical logs (archives) from an FB1000/FB2000 Series Flow Computer and store that data as data arrays.

Each serial communication port in the FB1000/FB2000 Series Flow Computer includes a configuration variable to select the array record format. These variables are shown in the table, below:

Table 3-2. Configuration Variables to Select Array Record Format for a Communication Port

Communication Port	Configuration Variable to Select Array Record Format
COM1	`@GV.BSAP1_ARCH_ARY_FMT`
COM2	`@GV.BSAP2_ARCH_ARY_FMT`
COM3	`@GV.BSAP3_ARCH_ARY_FMT`
COM4	`@GV.BSAP4_ARCH_ARY_FMT`
COM5	`@GV.BSAP5_ARCH_ARY_FMT`

Note: Additional BSAP configuration parameters are in List #255.

1. For the serial port which supports the BSAP connection to a ControlWave device, select the value for the corresponding ARCH_ARRAY_FORMAT variable to specify your desired array record format.

   Table 3-3 uses the following abbreviations to describe the record formats:

   TS = Julian date from the archive file record TS. Format: IEEE float. The four-byte Julian date is: 0xDDDDSSSS, where DDDD = the number of Days since 12/31/1976 and SSSS = number of 4 Second Intervals into the current day.

   TSD= IEEE floating point value representing the number of days since 12/31/1976.

   TSS= IEEE floating point value representing the number of seconds into the current day.

   TSMS= IEEE floating point value representing the number of milliseconds into the current day.

   Table 3-3 shows the selectable array record formats:

Table 3-3. Array Record Formats

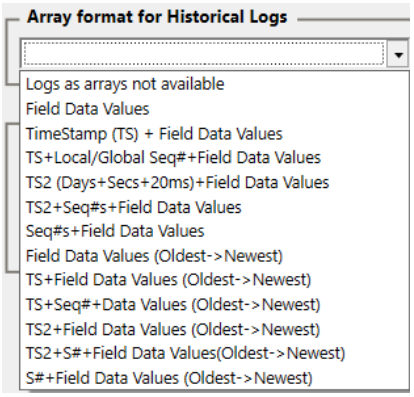
Value	Array Record Format Description
00	**Logs as arrays not available** Default. Log collection as data arrays is disabled.
01	**Field Data Values** Only data values of the log record (points 1,2, ..., N)
02	**TimeStamp (TS) + Field Data Values** Timetamp (TS) and data values of the log record.
03	**TS + Local/Global Seq# + Field Data Values** Timestamp (TS), local sequence number, global sequence number, and data values of the log record
04	**TS2 (Days+Secs+20ms) + Field Data Values** TSD, TSS, TSms, and data values of the log record
05	**TS2+Seq#s+Field Data Values** TSD, TSS, TSms, local sequence number, global sequence number, and data values of the log record
06	**Seq#s + Field Data Values** Local sequence number, global sequence number, and data values of the log record
07	**Field Data Values (Oldest -> Newest)** Data values of the log record (points 1,2, ..., N) ordered from oldest-to-newest.
08	**TS + Field Data Values (Oldest -> Newest)** TS and data values of the log record (ordered from oldest-to-newest).
09	**TS+Seq#+Data Values (Oldest -> Newest)** TS, local sequence number, global sequence number, values of the log record (ordered from oldest-to-newest).
10	**TS2+ Field Data Values (Oldest -> Newest)** TSD, TSS, TSms, data values of the log record; (ordered from oldest-to-newest).
11	**TS2 + S# + Field Data Values (Oldest -> Newest)** TSD, TSS, TSms, local sequence number, global sequence number, data values of the log record; (ordered from oldest-to-newest).
12	**S# + Field Data Values (Oldest -> Newest)** Local sequence number, global sequence number, data values of the log record; (ordered from oldest-to-newest).

Notes:

- The flow computer maintains a four-byte sequence number ranging from 0 to 4294967295. The local and global sequence numbers are two-byte numbers ranging from 0 to 65535. The global sequence number remains 0 until the local sequence number exceeds 65535; from then on the actual sequence number is derived by:

*Global Sequence Number * 65535 + Local Sequence Number*

- All arrays collected are analog arrays; logical arrays are not supported.
- All timestamp values, sequence numbers, and data values are reported as floating point values.DataView supports one format allowing the first value to appear as a timestamp.
- By default, timestamps represent the start of the logging period; this differs from Field Tools in which the timestamp shown represents the end of the logging period. In List 255, the signal @GV.BSAP_n_ARCH_TS_MODE (where n is the port number from 1 to 5) determines which timestamp to use: OFF = Timestamp for start of logging period; ON = Timestamp for end of logging period. (Native names are BSAP_n.ARCH_TS_MODE.)
- You must specify the **Array format for Historical Logs** when you configure the port for BSAP operations.



- The system truncates an Archive column name to 16 characters. Native variable names mapped to the historical logs are truncated to 16 characters when they are longer in size. Characters removed are '_', '-', ' ', and '.' characters.
- Archive signal names will be incorrectly imported from List #255. The user is responsible for correcting the signal names. An FBx Archive does not have an associated signal list.

---

2. Configure a CLIENT function block in the ControlWave device. Set the iiServerID parameter to an integer value from 201 to 214 to collect the defined historical logs 1-14, respectively. You **must** set the starting index to 1. A Server response message may contain more than one record but only full records are transmitted.

Table 3-4. Standard Archive Files

FB1000/FB2000 Flow Computer Historical Logs	FB1000/FB2000 Flow Computer Logs	BSAP Archive File Number	Analog Array Number	ControlWave Client FB Parameter "iiServerID"
User Periodic 1	Log_5	1	1	201
User Periodic 2	Log_6	2	2	202
General History Hourly	Log_7	3	3	203
General History Daily	Log_8	4	4	204

FB1000/FB2000 Flow Computer Historical Logs	FB1000/FB2000 Flow Computer Logs	BSAP Archive File Number	Analog Array Number	ControlWave Client FB Parameter "iiServerID"
General History Weekly	Log_9	5	5	205
General History Monthly	Log_10	6	6	206
Station 1 History Hourly	Log_11	7	7	207
Station 1 History Daily	Log_12	8	8	208
Station 1 History Weekly	Log_13	9	9	209
Station 1 History Monthly	Log_14	10	10	210
Station 2 History Hourly	Log_15	11	11	211
Station 2 History Daily	Log_16	12	12	212
Station 2 History Weekly	Log_17	13	13	213
Station 2 History Monthly	Log_18	14	14	214

Section 4: Variables and Lists

For users familiar with the standard flow measurement application for the ControlWave GFC/ XFC/ EFM, when you set up a meter in FBxConnect, the system dynamically maps parameters in the FB1000/FB2000 Series Flow Computers to familiar BSAP variable names. This mapping to BSAP names allows the flow computer to fulfill data requests from a BSAP master device.

The mapping logic executes following a power cycle or cold start after completing the required meter setup in FBxConnect. You could also toggle the port owner between BSAP and some other protocol, for example, if the current port owner is DNP3, once the necessary meter setup is complete, change the port owner to BSAP.

Because of differences between the products, some of the application variables do not have corresponding variables in the FB1000/FB2000 Series Flow Computer application. In these cases, the variables return 0 for logical or analog variables and the NULL string for string variables.

Note
FB1000/FB2000 Series Flow Computers support **only** one or two meter runs (that is, there are no third or fourth runs). See *Section 4-1* for details on the variable naming conventions used for the meter runs.

4.1 Variable Naming Conventions

FB1100 and FB2100 Flow Computers support a single meter run (R1). This can be either a DP meter (variable names begin with **DP Mtr_1**) or a linear meter (variable names begin with **Linear Mtr_1**).

Table 4-1. FB1100 and FB2100 Variable Naming Conventions

Meter Run Name	DP Meter Name (if run 1 is a DP meter)	Linear Meter Name (if run 1 is a linear meter)
R1	DP Mtr_1	Linear Mtr_1

FB1200 and FB2200 Flow Computers support either one or two meter runs (that is, Meter run 1 [R1] and meter run 2 [R2]). Either one can be either a DP meter (variable names begin with **DP Mtr_1** or **DP Mtr_2**). Alternatively, you can have either one or two linear meters (variable names begin with **Linear Mtr_1** or **Linear Mtr_2**).

Table 4-2. FB1200 and FB2200 Variable Naming Conventions

Run Number	Meter Run Name	DP Meter Name (if run is a DP meter)	Linear Meter Name (if run is a linear meter)
1	R1	DP Mtr_1	Linear Mtr_1
2	R2	DP Mtr_2	Linear Mtr_2

This means that you could have any of the following combinations of meters and runs:

Table 4-3. FB1200 and FB2200 Possible Meter Combinations

Run Number	1 DP Meter	2 DP Meters	1 Linear Meter	2 Linear Meters	1 DP Meter 1 Liner Meter
1	DP Mtr_1	DP Mtr_1	Linear Mtr_1	Linear Mtr_1	DP Mtr_1
2		DP Mtr_2		Linear Mtr_2	Linear Mtr_1 (See Note)

Note: For Linear Mtr_1, you must select PI_1-2 for the frequency source.

4.1.1 Variations on Mapping In First Release

For the initial release of these products, several BSAP variables use a fixed mapping to meter objects, while a few variables are currently unmapped. These mapping issues will be addressed in subsequent firmware updates.

DP Mtr_1 Fixed Mapping:

The following BSAP variables are currently mapped to the DP Mtr_1 object instance.

@GV.R1_ZB_FACTOR

@GV.R1_ZF_FACTOR

@GV.R1_ZS_FACTOR

@GV.R1_Y_FACTOR

@GV.R1_VISC

Linear Mtr_1 Fixed Mapping:

The following BSAP variables are currently mapped to the Linear Mtr_1 object instance.

BSAP Variable	Mapped to
@GV.R1_LD_COUNT	PI_1-1.YESTERDAYS_TOTAL
@GV.R1_SFREQ_COUNT	PI_1-1.PULSE_ACCUM
@GV.R1_SFREQ_MO_VALUE	PI_1-1.OVRD_FREQ
@GV.R1_SFREQ_UNITS	PI_1-1.UNITS
@GV.R1_SPULSE_ACCUM	PI_1-1.PULSE_DAY_ACCUM_64
@GV.R1_SPULSE_TODAY	PI_1-1.TODAYS_TOTAL

Fluid Prop_1 Fixed Mapping:

The following BSAP variable is currently mapped to the Fluid Prop_1 object instance,

@GV.R1_S1_FIXED_SG

GRAVITY_TYPE:

@GV.GRAVITY_TYPE is mapped to FLUID_PROP_1.RD_REAL_UMODE.

HIDB and LODB:

ControlWave variables with names that end with either "_HIDB" or "_LODB" but are otherwise the same, always map to the same FBx device parameter (the alarm object deadband). For simplicity, lists which traditionally may have included either value (see Section 4.4 – BSAP Lists in the Flow computer) currently always reference the version of the ControlWave variable that ends with "_HIDB".

4.2 BSAP Variables that Require Special Consideration:

Some BSAP variables are mapped to parameters in FBx, but reading from or writing to those variables requires special consideration. This is because the variable in FBx is of a different type and/or holds a slightly different meaning or purpose than it does in legacy ControlWave GFC/XFC products.

For example, certain logical variables in legacy ControlWave GFC/XFC products are mapped to analog variables within the FB1000 or FB2000 Series Flow Computer. As a result, you must use caution when reading or writing to these variables. Because an internal analog variable has a range of values, one or more specific values may be reported as TRUE, and other values maybe reported as FALSE. Writing to these variables can cause unpredictable results because a range of analog values are read back as either TRUE or FALSE since the legacy application expects this.

See *Table 4-4* for a list of the BSAP variables that are mapped to FBx, but require special consideration when reading or writing.

Table 4-4. BSAP Variables that Require Special Consideration

Note
It is **not advisable** to write the **Mapping for Writing** parameters through BSAP.

BSAP variable	Corresponding FBx variable	FBx range of value	Mapping for Reading	Mapping for Writing	Read /Write Access
@GV.Battery_Status	System Pwr_1.SRAM_BATT_STATUS	0= Battery Normal 1= Battery Failure or Removal	TRUE -> 0 FALSE -> 1	Read Only Item	R/O
@GV.R1_FLOWEQN_SELECT, @GV.R2_FLOWEQN_SELECT	DP Mtr_x.AGA3_METHOD	0=AGA3 1992 Volume, 1=AGA3 1992 Mass, 2=AGA3 1992 Relative Density, 3=AGA3 2012 Volume, 4=AGA3 2012 Mass, 5=AGA3 2012 Relative Density	TRUE -> 0 - 2 FALSE -> 3-5	TRUE -> 1 FALSE-> 0	R/W
		AI cal status 0=Calibration Not In Progress 1=Input Frozen,Freeze 2=Calibration In Progress 3=Reserved 4=Set Command Failed 5=Timeout Ocurred 6=Span Too Small 7=Excess Correction 8=Passed Parameter Too Small 9=Passed Parameter Too Large 10=Ideal Value Too Small 11=Ideal Value Too Large 12=Wrong Command 13=Verification In Progress **4088 cal status** 0=No Measurement In Calibration 1=DP Measurement In Calibration 2=SP Measurement In Calibration 3=PT Measurement In Calibration	TRUE -> 4088_x.4088_CAL_STAT > 0 OR AICal_x.CAL_STATUS > 0, FALSE -> otherwise	TRUE -> 1 FALSE-> 0	R/O

BSAP variable	Corresponding FBx variable	FBx range of value	Mapping for Reading	Mapping for Writing	Read /Write Access
@GV.R1_CONFIG_TYPE, @GV.R2_CONFIG_TYPE	DP Mtr_x.MTR_TYPE	0= AGA3 Orifice (Flange Taps) 1= ISO5167 Orifice (Flange Taps) 2= ISO5167 Orifice (Corner Taps) 3= ISO5167 Orifice (D & D/2 Taps) 4= ISO5167 Venturi (As Cast) 5= ISO5167 Venturi (Machined) 6= ISO5167 Venturi (Rough Weld) 7= ISO5167 Nozzle (Venturi) 8= ISO5167 Nozzle (Long Radius) 9= ISO5167 Nozzle (ISA 1932) 10= 1595 Conditioning Orifice (Flange) 11= 1595 Conditioning Orifice (D and D/2) 12= 405C Compact Orifice 13= Cone (McCrometer V-Cone) 14= Cone (McCrometer Wafer-Cone) 15= Cone (NUFLO)	1 -> 0-3, 10-12 8 -> 4-9 9 -> 13-15	0->0, 1->1, 2->2, Similarly till 15->15	R/W
@GV.R1_CONFIG_TYPE, @GV.R2_CONFIG_TYPE	Linear Mtr_x.MTR_TYPE	0 Turbine 1 Coriolis 2 Auto-Adjust	2 -> 0 6 -> 1 3 -> 2	0->0, 1->1, 2->2	R/W
@GV.R1_ORIF_MTRL, @GV.R2_ORIF_MTRL	DP Mtr_x.MTR_MAT_OPT	0=Carbon Steel 1=304 Stainless Steel 2=316 Stainless Steel 3=Generic Stainless 4=Monel 400 5=User Entered Alpha	BSAP: 0-3 ==> FALSE; 4 ==> TRUE;	TRUE -> 1 FALSE-> 0	R/W
@GV.R1_PIPE_MTRL, @GV.R2_PIPE_MTRL	DP Mtr_x.PIPE_MAT_OPT	0=Carbon Steel 1=304 Stainless Steel 2=316 Stainless Steel 3=Generic Stainless 4=Monel 400 5=User Entered Alpha	BSAP: 1-3 ==> TRUE; 0, 4 ==> FALSE;	TRUE -> 1 FALSE-> 0	R/W
@GV.R1_KFactor_Type, @GV.R2_KFactor_Type	Linear Mtr_x.KF_UMODE	0= 1= Override 2= Calculated		0->0, 1->1, 2->2	R/W

BSAP variable	Corresponding FBx variable	FBx range of value	Mapping for Reading	Mapping for Writing	Read /Write Access
@GV.BSAP_5_TIME_SYNCH	BSAP_5.TIME_SYNCH	0= Disable 1= Enable 2= Require NHP	TRUE -> 1-2 FALSE -> 0	TRUE -> 1 FALSE-> 0	R/W

4.3 BSAP Variables in the Flow Computer

Certain abbreviations are frequently used within the variable names of this application. Refer to *Table 4-5*, for some of the most common abbreviations.

Table 4-5. Common BSAP Abbreviations

Abbreviation	Description
ACT	Active
AI	Analog Input
ALM	Alarm
AO	Analog Ouput
BAT	Batttery
CALIB	Calibration
CFG	Configuration
CTL	Control
CUR	Current
CW	ControlWave
DI	Digital Input
DIAM	Diameter
DIS	Disable
DISC	Discard
DLM	Data Line Monitor
DO	Digital Output
DP	Differential Pressure
ERR	Error
ETH	Ethernet
EVT	Event
FL	Flash
HAL	High alarm
HHAL	High high alarm
HIDB	High Deadband
INP	Inpit
LAL	Low alarm
LLAL	Low low alarm
LODB	Low Deadband
MAX	Maximum
MIN	Minimum

Abbreviation	Description
MSG	Message
NHP	Network Host PC
NRT	Node Routing Table
ORIF	Orifice
OVERLD	Overload
PRIO	Priority
PROG	Progress
RCV	Receved
RCVD	Received
RESP	Response(s)
RET	Retries
SP	Static Pressure
STR	String
STRUCT	Structure
TIMEO	Timeout
TMO	Timeout
TS	Time synchronization message
WDOG	Watchdog

4.3.1 Dynamic Object Names

Table 4-7 lists all of the ControlWave variable names and the corresponding FBx device tag name to which that variable is mapped. In many cases the mapped FBx device tag name is dynamic, meaning it could change based on the current configuration in the FBx device. In these cases the parameter name is given but the object name is indicated by the value in the third column, Dynamic Object Name. For example,

EXAMPLE_1 (taken from Table 4-7 below):

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_SP_ALM	PF_OBJ.ALM_OBJ.PROCESS_ALM	DP_LIN_OBJ

The “DP_LIN_OBJ” value in the Dynamic Object Name column means that the FBx device parameter tag could be prefixed with either “DP Mtr_1” or “Linear Mtr_1”, depending on how the FBx device is configured. For example, if the FBx device is configured to have one DP Meter, the full FBx device tag would be:

DP Mtr_1. PF_OBJ.ALM_OBJ.PROCESS_ALM

If the FBx device is configured to have one Linear Meter, the full FBx device tag would be:

Linear Mtr_1. PF_OBJ.ALM_OBJ.PROCESS_ALM

Not all FBx device tag names are dynamic. In cases where the object name does not change based on configuration, the “Dynamic Object Name” field will be set to “FIXED_OBJ_REF” and the full FBx device tag name is already provided in the “FBx Device Tag Name” column.

Table 4-6 indicates the object name prefix to be used to derive the full FBx device tag name for each possible dynamic object name. In the Prefix column, "X" indicates the number of the Run, 1 or 2, which can be inferred from the ControlWave variable name. For instance, in the example provided above, we know the prefix should be "DP Mtr_1" because of the ControlWave variable name "@GV.**R1**_SP_ALM". The "R1" indicates "Run 1". For more information about variable naming conventions and how a meter run corresponds to a meter object name in the FBx device, see **Section 4.1 Variable Naming Conventions**.

Table 4-6. Dynamic Object Names

Dynamic Object Name	Prefix	Description
DP_Mtr	DP Mtr_X	DP Meter
Linear_Mtr	Linear Mtr_X	Linear Meter
DP_LIN_OBJ	DP Mtr_X or Linear Mtr_X	DP or Linear Meter
STN_OBJ	Station_X	Station
Hist_Grp	Hist Grp_X	History Group
FIXED_OBJ_REF	*[None]*	No additional prefix needed…the FBx device tag name provided is already complete and is fixed (it does not change based on configuration).

["X" indicates the number of the Run, 1 or 2, which can be inferred from the ControlWave variable name.]

Table 4-7. BSAP Variables in the Flow Computer

Note

BSAP/ACCOL Names which are not mapped to an FBx device tag name are marked with a "#" symbol in the Native Name column. A request to write to one of these values will not return an error, however, the values are not actually written.

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
ANALOGS		
@GV.R1_DP_LIVE	DP_OBJ.LIVE	DP_Mtr
@GV.R1_SP_ALM	PF_OBJ.ALM_OBJ.PROCESS_ALM	DP_LIN_OBJ
@GV.R1_DP_FULL	DP_OBJ.MONITOR_MAX	DP_Mtr
@GV.R1_LH_Avg_N2	PREV_PER_AVG	Avg_N2
@GV.ST1_Transition_pct	#	#
@GV.ST1_Runs_Available	#	#
@GV.R1_DP_ALM	DP_OBJ.ALM_OBJ.PROCESS_ALM	DP_Mtr
@GV.R1_1985_Factors_List	#	#
@GV.R1_AA_ABAR	AA_AVG_REL_ADJ	Linear_Mtr
@GV.R1_AA_ABH	AA_ABNORMAL_BAND	Linear_Mtr
@GV.R1_AA_ABL	AA_ABNORMAL_BAND	Linear_Mtr
@GV.R1_AA_BTSF	AA_BLADE_FACTOR	Linear_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ
@GV.R1_ATMOS_PSI	ATMPR_SEL	STN_OBJ
@GV.R2_SP_HAL_Pri	PF_OBJ.ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.ST1_ATMOS_PSI	Station_1.ATMPR_CALC	FIXED_OBJ_REF
@GV.R1_CSelect	ZF_METHOD	STN_OBJ
@GV.R1_BETA	BETA_SEL	DP_Mtr
@GV.R1_CD	CD_OVRD	DP_Mtr
@GV.R1_CD_FACTOR	CD_SEL	DP_Mtr
@GV.R1_EV_FACTOR	EV_SEL	DP_Mtr
@GV.R1_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ
@GV.R1_FA_FACTOR	USER_CORR_FACTOR	DP_Mtr
@GV.R1_Reyn_Used	RE_SEL	DP_Mtr
@GV.R2_DP_LAL_Pri	DP_OBJ.ALM_OBJ.LO_PRI	DP_Mtr
@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF
@GV.R1_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ
@GV.R1_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ
@GV.R1_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ
@GV.R1_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ
@GV.R1_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ
@GV.R1_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ
@GV.R1_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ
@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ
@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF
@GV.R1_SFREQ_ALM	FLOW_OBJ.FREQ_ALM_OBJ.PROCESS_ALM	Linear_Mtr
@GV.R1_K	FLUID_PROP_OBJ.ISENTR_OVRD	DP_Mtr
@GV.R1_K_USED	FLUID_PROP_OBJ.ISENTR_CALC	DP_Mtr
@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ
@GV.R1_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ
@GV.R1_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ
@GV.R1_NEOC5_LIVE	FLUID_PROP_OBJ.NEOC5_INUSE	DP_LIN_OBJ
@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF
@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp
@GV.R1_AGA7_KFactor	KF_OVRD	Linear_Mtr
@GV.R1_KFactor_Used	KF_SEL	Linear_Mtr
@GV.R1_TEMPBASE	TB_SEL	STN_OBJ
@GV.R1_AGA5_BTU	#	#
@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF
@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF
@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF
@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF
@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF
@GV.R1_HTVAL_Disp_Value	Fluid Prop_1.HV_REAL_SEL	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_HTVAL_In_Units	Fluid Prop_1.HV_REAL_SEL	FIXED_OBJ_REF
@GV.R1_HTVAL_In_Use	FLUID_PROP_OBJ.HV_REAL_SEL	DP_LIN_OBJ
@GV.R1_HTVAL_LIVE	Fluid Prop_1.HV_REAL_SEL	FIXED_OBJ_REF
@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_BTU	Fluid Prop_2.HV_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S3_Fixed_BTU	Fluid Prop_3.HV_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S4_Fixed_BTU	Fluid Prop_4.HV_REAL_OVRD	FIXED_OBJ_REF
@GV.R1_HTVAL_MO_Value	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF
@GV.R1_HTVAL_Source	Fluid Prop_1.HV_REAL_UMODE	FIXED_OBJ_REF
@GV.R1_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ
@GV.R1_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ
@GV.R1_ZB_FACTOR	FLUID_PROP_OBJ.ZB_SEL	DP_Mtr
@GV.R1_ZF_FACTOR	FLUID_PROP_OBJ.ZF_SEL	DP_Mtr
@GV.R1_ZS_FACTOR	FLUID_PROP_OBJ.ZS_SEL	DP_Mtr
@GV.ST1_RLH_VOL	#	#
@GV.ST1_FLH_VOL	#	#
@GV.ST1_RENERGY_YESDAY	#	#
@GV.ST1_FENERGY_YESDAY	#	#
@GV.ST1_RVOLUME_YESDAY	#	#
@GV.ST1_FVOLUME_YESDAY	#	#
@GV.BSAP_SLAVE_INLIST	#	#
@GV.BSAP_SLAVE_OUTLIST	#	#
@GV.ST1_OdorFLOW_RATE	#	#
@GV.ST1_OdorFRate_Units	#	#
@GV.ST1_SampFLOW_RATE	#	#
@GV.ST1_SampFRate_Units	#	#
@GV.R1_AA_C25K	#	#
@GV.R1_AA_DeltaABAR	AA_DELTA_A_CALC	Linear_Mtr
@GV.R1_AA_DeltaT	#	#
@GV.R1_AA_DeltaVa	#	#
@GV.R1_AA_INCR	#	#
@GV.R1_AA_KM	AA_KF_MAIN	Linear_Mtr
@GV.R1_AA_KMo	AA_KF_MECH	Linear_Mtr
@GV.R1_AA_KS	AA_KF_SENS	Linear_Mtr
@GV.R1_AA_Pmavg	#	#
@GV.R1_AA_Pmif	#	#
@GV.R1_AA_Psavg	#	#
@GV.R1_AA_Psif	#	#
@GV.R1_AA_R512	#	#
@GV.R1_AA_R60	#	#
@GV.R1_AA_Rate	#	#
@GV.R1_AA_TotA	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_AA_TotM	#	#
@GV.R1_AA_Vai	#	#
@GV.R1_AA_Vm	#	#
@GV.R1_AA_Vmi	#	#
@GV.R1_AA_Vs	#	#
@GV.R1_AA_Vsi	#	#
@GV.R1_AA_WBH	#	#
@GV.R1_AA_WBL	#	#
@GV.R1_AAConfig_List	#	#
@GV.R1_AAData_List	#	#
@GV.R1_AAFactors_List	#	#
@GV.R1_AGA8_List	#	#
@GV.R1_BaseListNum	#	#
@GV.R1_Comp_List	#	#
@GV.R1_Config_List	#	#
@GV.R1_DArc_List	#	#
@GV.R1_DArc_OutList	#	#
@GV.R1_DP_INP	DP_INUSE	DP_Mtr
@GV.ST1_R2_PV	#	#
@GV.R1_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr
@GV.R1_Fl	#	#
@GV.R1_Fb	#	#
@GV.R1_FlowCal_List	#	#
@GV.R1_Ftb	#	#
@GV.R1_Fm	MF_SEL	Linear_Mtr
@GV.R1_Fpb	#	#
@GV.R1_Fr	#	#
@GV.R1_FTEMP_INP	TF_INUSE	DP_LIN_OBJ
@GV.ST1_R4_PV	#	#
@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ
@GV.R1_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ
@GV.R1_FTEMP_ZERO	RTD_1-1.MONITOR_MIN	FIXED_OBJ_REF
@GV.R1_Ftf	#	#
@GV.R1_HArc_List	#	#
@GV.R1_HArc_OutList	#	#
@GV.R1_Live_Data_List	#	#
@GV.R1_LSC_FThreshold	#	#
@GV.R1_LSC_Stack	#	#
@GV.R1_MinMax_List	#	#
@GV.R1_NonGC_Comp_List	#	#
@GV.R1_SP_ZERO	Press_1-1.MONITOR_MIN	FIXED_OBJ_REF
@GV.R1_SP_LIVE	PF_OBJ.LIVE	DP_LIN_OBJ

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_SP_FULL	PF_OBJ.MONITOR_MAX	DP_LIN_OBJ
@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ
@GV.ST1_R3_PV	#	#
@GV.R1_Y	#	#
@GV.Line_Error	#	#
@GV.List_Status	#	#
@GV.ST1_OdorFLOW_RATE_UNITS	#	#
@GV.ST1_SampFLOW_RATE_UNITS	#	#
@GV.ST1_TSFLOW_RATE_UNITS	#	#
@GV.AIVs	#	#
@GV.AIZs	#	#
@GV.AISs	#	#
@GV.OneInchH2OasPSI	#	#
@GV.MinsPerHour	#	#
@GV.MinsPerDay	#	#
@GV.CURRENT_ACTUAL	#	#
@GV.CURRENT_NOMIN_PCT	#	#
@GV.CURRENT_START_DATE	#	#
@GV.CURRENT_START_HOUR	#	#
@GV.CURRENT_STOP_DATE	#	#
@GV.CURRENT_STOP_HOUR	#	#
@GV.CURRENT_TARGET	#	#
@GV.CURRENT_TIME_PCT	#	#
@GV.CURRENT_TIME_SEC	#	#
@GV.CURRENT_TIME_SPAN	#	#
@GV.DACCUM_MODE	#	#
@GV.DACCUM_SCALE	#	#
@GV.NOM_RAISE	#	#
@GV.NOM_LOWER	#	#
@GV.LAST_ACTUAL	#	#
@GV.LAST_NOMIN_PCT	#	#
@GV.LAST_START_DATE	#	#
@GV.LAST_START_HOUR	#	#
@GV.LAST_STOP_DATE	#	#
@GV.LAST_STOP_HOUR	#	#
@GV.LAST_TARGET	#	#
@GV.NEXT_START_DATE	#	#
@GV.NEXT_START_HOUR	#	#
@GV.NEXT_STOP_DATE	#	#
@GV.NEXT_STOP_HOUR	#	#
@GV.NEXT_TARGET	#	#
@GV.R1_CH_Avg_N2	CUR_PER_AVG	Avg_N2

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_CH_Avg_FT	CUR_PER_AVG	Avg_FT
@GV.R1_CH_Avg_Ext	CUR_PER_AVG	Avg_Ext
@GV.R1_CH_Avg_DP	CUR_PER_AVG	Avg_DP
@GV.R1_CH_Avg_SP	CUR_PER_AVG	Avg_SP
@GV.NOM_CLOSE_REQ	#	#
@GV.NOM_CURR_HIGH	#	#
@GV.NOM_CURR_LOW	#	#
@GV.NOM_DUR_REM	#	#
@GV.NOM_END_REQ	#	#
@GV.NOM_HOUR_LAST	#	#
@GV.NOM_INIT_REQ	#	#
@GV.NOM_SECS	#	#
@GV.NOM_STATE	#	#
@GV.RECIP_3600	#	#
@GV.CURRENT_ALARM_PCT	#	#
@GV.CURRENT_NOMUNITS	#	#
@GV.LAST_NOMUNITS	#	#
@GV.NOMUNITS	#	#
@GV.SPALM_DIAL_ENBL	#	#
@GV.R2_CH_Avg_HV	CUR_PER_AVG	Avg_HV
@GV.OdorMode	#	#
@GV.OdorScale	#	#
@GV.OdorPRate	#	#
@GV.OdorStatus	#	#
@GV.OdorPCount	#	#
@GV.Display_Struct	#	#
@GV.DIVs	#	#
@GV.DOVs	#	#
@GV.odorao	#	#
@GV.Odor_DO_Point	#	#
@GV.Mech_1_Init_Count	#	#
@GV.R2_VOLUME_MONTH	SVOL_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.R2_CH_Avg_N2	CUR_PER_AVG	Avg_N2
@GV.Mech_1_PRate	#	#
@GV.Mech_1_PCount	#	#
@GV.Mech_1_Reset	#	#
@GV.R2_ENERGY_MONTH	ENERGY_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.Display_ScrollTime	#	#
@GV.Display_BlankTime	#	#
@GV.Display_Status	#	#
@GV.Display_DoneCount	#	#
@GV.Station	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.Disp_Line1_Text	#	#
@GV.R2_CH_Avg_CO2	CUR_PER_AVG	Avg_CO2
@GV.Mech_2_Init_Count	#	#
@GV.Mech_2_PCount	#	#
@GV.Mech_2_PRate	#	#
@GV.Mech_2_Reset	#	#
@GV.Load_List	#	#
@GV.Lock_List	#	#
@GV.AOVariables	#	#
@GV.Odor_AO_Out	#	#
@GV.FB_BaseListNum	#	#
@GV.HSCVs_Array	#	#
@GV.AIOORs	#	#
@GV.AIBSs	#	#
@GV.AIUs	#	#
@GV.P2_DO_Point	#	#
@GV.R2_CD_Avg_Ext	CUR_DAY_AVG	Avg_Ext
@GV.R2_ENERGY_LMONTH	ENERGY_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R1_LD_Avg_N2	PREV_DAY_AVG	Avg_N2
@GV.Active_Runs	#	#
@GV.Samp_PRate	#	#
@GV.Samp_PCount	#	#
@GV.R1_LD_Avg_CO2	PREV_DAY_AVG	Avg_CO2
@GV.SAMPLER_ENA_CFG	#	#
@GV.Samp_DO_Point	#	#
@GV.ST1_Calling_Rank	#	#
@GV.ST1_CurrentRank	#	#
@GV.ST1_TransitionTime	#	#
@GV.R1_CD_Avg_N2	CUR_DAY_AVG	Avg_N2
@GV.R1_CD_Avg_HV	CUR_DAY_AVG	Avg_HV
@GV.ST1_R3_CallOpen	#	#
@GV.ST1_R4_CallOpen	#	#
@GV.R2_CD_Avg_DP	CUR_DAY_AVG	Avg_DP
@GV.ST1_R1_Target_Rank	#	#
@GV.ST1_Max_Rank	#	#
@GV.ST1_V_SettleTime	#	#
@GV.ST1_R1_CallNextSP	#	#
@GV.ST1_R1_CallPrevSP	#	#
@GV.ST1_R1_OpenMins	#	#
@GV.ST1_R1_CallNextDB	#	#
@GV.ST1_SwitchOn	#	#
@GV.ST1_R1_DOPoint	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.ST1_R2_CallNextDB	#	#
@GV.ST1_R2_CallPrevDB	#	#
@GV.R1_CD_Avg_SG	CUR_DAY_AVG	Avg_SG
@GV.ST1_R2_Target_Rank	#	#
@GV.ST1_R2_CallNextSP	#	#
@GV.ST1_R2_CallPrevSP	#	#
@GV.ST1_R2_OpenMins	#	#
@GV.ST1_R2_DOPoint	#	#
@GV.ST1_R3_CallNextDB	#	#
@GV.ST1_R3_CallPrevDB	#	#
@GV.ST1_R3_Auto	#	#
@GV.ST1_R1_CallPrevDB	#	#
@GV.ST1_R3_Target_Rank	#	#
@GV.ST1_R3_CallNextSP	#	#
@GV.ST1_R3_CallPrevSP	#	#
@GV.ST1_R3_Open_Cmd	#	#
@GV.ST1_R3_Reset_Fail	#	#
@GV.ST1_R3_OpenMins	#	#
@GV.ST1_R3_Fail	#	#
@GV.ST1_R3_DOPoint	#	#
@GV.ST1_R4_CallNextDB	#	#
@GV.ST1_R4_CallPrevDB	#	#
@GV.ST1_R4_Auto	#	#
@GV.ST1_R4_Target_Rank	#	#
@GV.ST1_R4_CallNextSP	#	#
@GV.ST1_R4_CallPrevSP	#	#
@GV.ST1_R4_Open_Cmd	#	#
@GV.ST1_R4_Reset_Fail	#	#
@GV.ST1_R4_OpenMins	#	#
@GV.ST1_R4_Fail	#	#
@GV.ST1_R4_DOPoint	#	#
@GV.GC_S1_Fixed_C2	Components_1.C2_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_C3	Components_1.C3_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_CH4	Components_1.C1_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_CO2	Components_1.CO2_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_IC4	Components_1.IC4_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_IC5	Components_1.IC5_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_N2	Components_1.N2_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC4	Components_1.NC4_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC5	Components_1.NC5_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC6	Components_1.C6_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC7	Components_1.C7_OVRD	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S1_Fixed_NC8	Components_1.C8_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_C2	Components_2.C2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_C3	Components_2.C3_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_CH4	Components_2.C1_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_CO2	Components_2.CO2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_IC4	Components_2.IC4_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_IC5	Components_2.IC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_N2	Components_2.N2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC4	Components_2.NC4_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC5	Components_2.NC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC6	Components_2.C6_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC7	Components_2.C7_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC8	Components_2.C8_OVRD	FIXED_OBJ_REF
@GV.GC_S3_Fixed_C2	#	#
@GV.GC_S3_Fixed_C3	#	#
@GV.GC_S3_Fixed_CH4	#	#
@GV.GC_S3_Fixed_CO2	#	#
@GV.GC_S3_Fixed_IC4	#	#
@GV.GC_S3_Fixed_IC5	#	#
@GV.GC_S3_Fixed_N2	#	#
@GV.GC_S3_Fixed_NC4	#	#
@GV.GC_S3_Fixed_NC5	#	#
@GV.GC_S3_Fixed_NC6	#	#
@GV.GC_S3_Fixed_NC7	#	#
@GV.GC_S3_Fixed_NC8	#	#
@GV.GC_S4_Fixed_C2	#	#
@GV.GC_S4_Fixed_C3	#	#
@GV.GC_S4_Fixed_CH4	#	#
@GV.GC_S4_Fixed_CO2	#	#
@GV.GC_S4_Fixed_IC4	#	#
@GV.GC_S4_Fixed_IC5	#	#
@GV.GC_S4_Fixed_N2	#	#
@GV.GC_S4_Fixed_NC4	#	#
@GV.GC_S4_Fixed_NC5	#	#
@GV.GC_S4_Fixed_NC6	#	#
@GV.GC_S4_Fixed_NC7	#	#
@GV.GC_S4_Fixed_NC8	#	#
@GV.GC_S1_Fixed_NeoC5	Components_1.NEOC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NeoC5	Components_2.NEOC5_OVRD	FIXED_OBJ_REF
@GV.GC_S3_Fixed_NeoC5	#	#
@GV.GC_S4_Fixed_NeoC5	#	#
@GV.GC_S1_Fixed_NC9	Components_1.C9_OVRD	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S1_Fixed_NC10	Components_1.C10_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC9	Components_2.C9_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC10	Components_2.C10_OVRD	FIXED_OBJ_REF
@GV.GC_S3_Fixed_NC9	#	#
@GV.GC_S3_Fixed_NC10	#	#
@GV.GC_S4_Fixed_NC9	#	#
@GV.GC_S4_Fixed_NC10	#	#
@GV.GC_S1_C2	Components_1.C2_LIVE	FIXED_OBJ_REF
@GV.GC_S1_C3	Components_1.C3_LIVE	FIXED_OBJ_REF
@GV.GC_S1_CH4	Components_1.C1_LIVE	FIXED_OBJ_REF
@GV.GC_S1_CO2	Components_1.CO2_LIVE	FIXED_OBJ_REF
@GV.GC_S2_C2	Components_2.C2_LIVE	FIXED_OBJ_REF
@GV.GC_S2_C3	Components_2.C3_LIVE	FIXED_OBJ_REF
@GV.GC_S2_CH4	Components_2.C1_LIVE	FIXED_OBJ_REF
@GV.GC_S2_CO2	Components_2.CO2_LIVE	FIXED_OBJ_REF
@GV.GC_S3_C2	#	#
@GV.GC_S3_C3	#	#
@GV.GC_S3_CH4	#	#
@GV.GC_S3_CO2	#	#
@GV.GC_S4_C2	#	#
@GV.GC_S4_C3	#	#
@GV.GC_S4_CH4	#	#
@GV.GC_S4_CO2	#	#
@GV.GC_S1_IC4	Components_1.IC4_LIVE	FIXED_OBJ_REF
@GV.GC_S1_IC5	Components_1.IC5_LIVE	FIXED_OBJ_REF
@GV.GC_S1_N2	Components_1.N2_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC10	Components_1.C10_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC4	Components_1.NC4_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC5	Components_1.NC5_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC6	Components_1.C6_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC7	Components_1.C7_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC8	Components_1.C8_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NC9	Components_1.C9_LIVE	FIXED_OBJ_REF
@GV.GC_S1_NeoC5	Components_1.NEOC5_LIVE	FIXED_OBJ_REF
@GV.GC_S2_IC4	Components_2.IC4_LIVE	FIXED_OBJ_REF
@GV.GC_S2_IC5	Components_2.IC5_LIVE	FIXED_OBJ_REF
@GV.GC_S2_N2	Components_2.N2_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC10	Components_2.C10_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC4	Components_2.NC4_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC5	Components_2.NC5_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC6	Components_2.C6_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC7	Components_2.C7_LIVE	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S2_NC8	Components_2.C8_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NC9	Components_2.C9_LIVE	FIXED_OBJ_REF
@GV.GC_S2_NeoC5	Components_2.NEOC5_LIVE	FIXED_OBJ_REF
@GV.GC_S3_IC4	#	#
@GV.GC_S3_IC5	#	#
@GV.GC_S3_N2	#	#
@GV.GC_S3_NC10	#	#
@GV.GC_S3_NC4	#	#
@GV.GC_S3_NC5	#	#
@GV.GC_S3_NC6	#	#
@GV.GC_S3_NC7	#	#
@GV.GC_S3_NC8	#	#
@GV.GC_S3_NC9	#	#
@GV.GC_S3_NeoC5	#	#
@GV.GC_S4_IC4	#	#
@GV.GC_S4_IC5	#	#
@GV.GC_S4_N2	#	#
@GV.GC_S4_NC10	#	#
@GV.GC_S4_NC4	#	#
@GV.GC_S4_NC5	#	#
@GV.GC_S4_NC6	#	#
@GV.GC_S4_NC7	#	#
@GV.GC_S4_NC8	#	#
@GV.GC_S4_NC9	#	#
@GV.GC_S4_NeoC5	#	#
@GV.R2_PULSE_FACTOR	FLOW_OBJ.CONV_FACTOR	Linear_Mtr
@GV.R2_KFactor_Used	KF_SEL	Linear_Mtr
@GV.R2_UCVOLUME_ACCUM	UVOL_RAW_TOT	Linear_Mtr
@GV.R2_UCVOLUME_MONTH	UVOL_TOT_OBJ.CUR_MNTH	Linear_Mtr
@GV.R2_SFREQ_Hi_Pri	FLOW_OBJ.FREQ_ALM_OBJ.HI_PRI	Linear_Mtr
@GV.ST1_R1_PV	#	#
@GV.S1_NC10_Factor	GC Config_1.C10_SPLIT	FIXED_OBJ_REF
@GV.S1_NC6_Factor	GC Config_1.C6_SPLIT	FIXED_OBJ_REF
@GV.S1_NC7_Factor	GC Config_1.C7_SPLIT	FIXED_OBJ_REF
@GV.S1_NC8_Factor	GC Config_1.C8_SPLIT	FIXED_OBJ_REF
@GV.S1_NC9_Factor	GC Config_1.C9_SPLIT	FIXED_OBJ_REF
@GV.S2_NC10_Factor	#	#
@GV.S2_NC6_Factor	#	#
@GV.S2_NC7_Factor	#	#
@GV.S2_NC8_Factor	#	#
@GV.S2_NC9_Factor	#	#
@GV.S3_NC10_Factor	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.S3_NC6_Factor	#	#
@GV.S3_NC7_Factor	#	#
@GV.S3_NC8_Factor	#	#
@GV.S3_NC9_Factor	#	#
@GV.S4_NC10_Factor	#	#
@GV.S4_NC6_Factor	#	#
@GV.S4_NC7_Factor	#	#
@GV.S4_NC8_Factor	#	#
@GV.S4_NC9_Factor	#	#
@GV.GC_S1_BTU	GC Data_1-1.DRY_SUPERIOR_HV	FIXED_OBJ_REF
@GV.GC_S1_BTUSat	GC Data_1-1.SAT_SUPERIOR_HV	FIXED_OBJ_REF
@GV.GC_S1_TotalMoleP	GC Data_1-1.COMP_SUM	FIXED_OBJ_REF
@GV.GC_S1_Wobbe	GC Data_1-1.WOBBE_INDEX	FIXED_OBJ_REF
@GV.GC_S2_BTU	GC Data_1-2.DRY_SUPERIOR_HV	FIXED_OBJ_REF
@GV.GC_S2_BTUSat	GC Data_1-2.SAT_SUPERIOR_HV	FIXED_OBJ_REF
@GV.GC_S2_TotalMoleP	GC Data_1-2.COMP_SUM	FIXED_OBJ_REF
@GV.GC_S2_Wobbe	GC Data_1-2.WOBBE_INDEX	FIXED_OBJ_REF
@GV.GC_S3_BTU	#	#
@GV.GC_S3_BTUSat	#	#
@GV.GC_S3_TotalMoleP	#	#
@GV.GC_S3_Wobbe	#	#
@GV.GC_S4_BTU	#	#
@GV.GC_S4_BTUSat	#	#
@GV.GC_S4_TotalMoleP	#	#
@GV.GC_S4_Wobbe	#	#
@GV.GC_RUN1_Stream	GC Data_1-1.STREAM_NUMBER	FIXED_OBJ_REF
@GV.GC_RUN2_Stream	GC Data_1-2.STREAM_NUMBER	FIXED_OBJ_REF
@GV.GC_RUN3_Stream	#	#
@GV.GC_RUN4_Stream	#	#
@GV.GC_S1_BTU_Max	GC Data_1-1.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S1_BTU_Min	GC Data_1-1.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S1_BTUSat_Max	GC Data_1-1.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S1_BTUSat_Min	GC Data_1-1.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S1_C2_Max	GC Data_1-1.C2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_C2_Min	GC Data_1-1.C2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_C3_Max	GC Data_1-1.C3_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_C3_Min	GC Data_1-1.C3_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_CH4_Max	GC Data_1-1.C1_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_CH4_Min	GC Data_1-1.C1_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_CO2_Max	GC Data_1-1.CO2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_CO2_Min	GC Data_1-1.CO2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_IC4_Max	GC Data_1-1.IC4_HI_LIM	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S1_IC4_Min	GC Data_1-1.IC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_IC5_Max	GC Data_1-1.IC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_IC5_Min	GC Data_1-1.IC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_N2_Max	GC Data_1-1.N2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_N2_Min	GC Data_1-1.N2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC10_Max	GC Data_1-1.C10_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC10_Min	GC Data_1-1.C10_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC4_Max	GC Data_1-1.NC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC4_Min	GC Data_1-1.NC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC5_Max	GC Data_1-1.NC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC5_Min	GC Data_1-1.NC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC6_Max	GC Data_1-1.C6_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC6_Min	GC Data_1-1.C6_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC7_Max	GC Data_1-1.C7_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC7_Min	GC Data_1-1.C7_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC8_Max	GC Data_1-1.C8_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC8_Min	GC Data_1-1.C8_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC9_Max	GC Data_1-1.C9_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NC9_Min	GC Data_1-1.C9_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_NeoC5_Max	GC Data_1-1.NEOC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S1_NeoC5_Min	GC Data_1-1.NEOC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S1_SG_Max	GC Data_1-1.RD_HI	FIXED_OBJ_REF
@GV.GC_S1_SG_Min	GC Data_1-1.RD_LO	FIXED_OBJ_REF
@GV.GC_S2_BTU_Max	GC Data_1-2.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S2_BTU_Min	GC Data_1-2.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S2_BTUSat_Max	GC Data_1-2.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S2_BTUSat_Min	GC Data_1-2.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S2_C2_Max	GC Data_1-2.C2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_C2_Min	GC Data_1-2.C2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_C3_Max	GC Data_1-2.C3_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_C3_Min	GC Data_1-2.C3_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_CH4_Max	GC Data_1-2.C1_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_CH4_Min	GC Data_1-2.C1_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_CO2_Max	GC Data_1-2.CO2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_CO2_Min	GC Data_1-2.CO2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_IC4_Max	GC Data_1-2.IC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_IC4_Min	GC Data_1-2.IC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_IC5_Max	GC Data_1-2.IC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_IC5_Min	GC Data_1-2.IC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_N2_Max	GC Data_1-2.N2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_N2_Min	GC Data_1-2.N2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC10_Max	GC Data_1-2.C10_HI_LIM	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S2_NC10_Min	GC Data_1-2.C10_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC4_Max	GC Data_1-2.NC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC4_Min	GC Data_1-2.NC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC5_Max	GC Data_1-2.NC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC5_Min	GC Data_1-2.NC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC6_Max	GC Data_1-2.C6_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC6_Min	GC Data_1-2.C6_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC7_Max	GC Data_1-2.C7_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC7_Min	GC Data_1-2.C7_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC8_Max	GC Data_1-2.C8_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC8_Min	GC Data_1-2.C8_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC9_Max	GC Data_1-2.C9_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NC9_Min	GC Data_1-2.C9_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_NeoC5_Max	GC Data_1-2.NEOC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S2_NeoC5_Min	GC Data_1-2.NEOC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S2_SG_Max	GC Data_1-2.RD_HI	FIXED_OBJ_REF
@GV.GC_S2_SG_Min	GC Data_1-2.RD_LO	FIXED_OBJ_REF
@GV.GC_S3_BTU_Max	GC Data_1-3.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S3_BTU_Min	GC Data_1-3.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S3_BTUSat_Max	GC Data_1-3.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S3_BTUSat_Min	GC Data_1-3.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S3_C2_Max	GC Data_1-3.C2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_C2_Min	GC Data_1-3.C2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_C3_Max	GC Data_1-3.C3_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_C3_Min	GC Data_1-3.C3_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_CH4_Max	GC Data_1-3.C1_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_CH4_Min	GC Data_1-3.C1_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_CO2_Max	GC Data_1-3.CO2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_CO2_Min	GC Data_1-3.CO2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_IC4_Max	GC Data_1-3.IC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_IC4_Min	GC Data_1-3.IC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_IC5_Max	GC Data_1-3.IC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_IC5_Min	GC Data_1-3.IC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_N2_Max	GC Data_1-3.N2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_N2_Min	GC Data_1-3.N2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC10_Max	GC Data_1-3.C10_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC10_Min	GC Data_1-3.C10_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC4_Max	GC Data_1-3.NC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC4_Min	GC Data_1-3.NC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC5_Max	GC Data_1-3.NC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC5_Min	GC Data_1-3.NC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC6_Max	GC Data_1-3.C6_HI_LIM	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S3_NC6_Min	GC Data_1-3.C6_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC7_Max	GC Data_1-3.C7_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC7_Min	GC Data_1-3.C7_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC8_Max	GC Data_1-3.C8_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC8_Min	GC Data_1-3.C8_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC9_Max	GC Data_1-3.C9_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NC9_Min	GC Data_1-3.C9_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_NeoC5_Max	GC Data_1-3.NEOC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S3_NeoC5_Min	GC Data_1-3.NEOC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S3_SG_Max	GC Data_1-3.RD_HI	FIXED_OBJ_REF
@GV.GC_S3_SG_Min	GC Data_1-3.RD_LO	FIXED_OBJ_REF
@GV.GC_S4_BTU_Max	GC Data_1-4.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S4_BTU_Min	GC Data_1-4.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S4_BTUSat_Max	GC Data_1-4.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF
@GV.GC_S4_BTUSat_Min	GC Data_1-4.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF
@GV.GC_S4_C2_Max	GC Data_1-4.C2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_C2_Min	GC Data_1-4.C2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_C3_Max	GC Data_1-4.C3_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_C3_Min	GC Data_1-4.C3_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_CH4_Max	GC Data_1-4.C1_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_CH4_Min	GC Data_1-4.C1_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_CO2_Max	GC Data_1-4.CO2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_CO2_Min	GC Data_1-4.CO2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_IC4_Max	GC Data_1-4.IC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_IC4_Min	GC Data_1-4.IC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_IC5_Max	GC Data_1-4.IC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_IC5_Min	GC Data_1-4.IC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_N2_Max	GC Data_1-4.N2_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_N2_Min	GC Data_1-4.N2_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC10_Max	GC Data_1-4.C10_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC10_Min	GC Data_1-4.C10_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC4_Max	GC Data_1-4.NC4_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC4_Min	GC Data_1-4.NC4_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC5_Max	GC Data_1-4.NC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC5_Min	GC Data_1-4.NC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC6_Max	GC Data_1-4.C6_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC6_Min	GC Data_1-4.C6_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC7_Max	GC Data_1-4.C7_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC7_Min	GC Data_1-4.C7_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC8_Max	GC Data_1-4.C8_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC8_Min	GC Data_1-4.C8_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NC9_Max	GC Data_1-4.C9_HI_LIM	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S4_NC9_Min	GC Data_1-4.C9_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_NeoC5_Max	GC Data_1-4.NEOC5_HI_LIM	FIXED_OBJ_REF
@GV.GC_S4_NeoC5_Min	GC Data_1-4.NEOC5_LO_LIM	FIXED_OBJ_REF
@GV.GC_S4_SG_Max	GC Data_1-4.RD_HI	FIXED_OBJ_REF
@GV.GC_S4_SG_Min	GC Data_1-4.RD_LO	FIXED_OBJ_REF
@GV.ST1_UCFLOW_RATE	Station_1.UVOL_RATE	FIXED_OBJ_REF
@GV.ST1_Elevation	Station_1.ELEVATION	FIXED_OBJ_REF
@GV.ST1_FCENERGY_RATE	Station_1.ENERGY_RATE	FIXED_OBJ_REF
@GV.ST1_Integral_Nom	#	#
@GV.R4_TSFLOW_RATE	#	#
@GV.R3_TSFLOW_RATE	#	#
@GV.R2_TSFLOW_RATE	#	#
@GV.R1_TSFLOW_RATE	#	#
@GV.ST1_TSFRate_Units	#	#
@GV.App_Version	#	#
@GV.Firmware_Minor	#	#
@GV.PLC_TIME	Clock_1.TIME	FIXED_OBJ_REF
@GV.GC_Save_List	#	#
@GV.GC_Dist_Status	#	#
@GV.R2_VOLUME_LMONTH	SVOL_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R2_Fm	MF_SEL	Linear_Mtr
@GV.GC_Base_Arch	#	#
@GV.GC_S4_C5	#	#
@GV.GC_S3_C5	#	#
@GV.GC_S2_C5	#	#
@GV.GC_S1_C5	#	#
@GV.ST1_R4_DOMode	#	#
@GV.ST1_R3_DOMode	#	#
@GV.R2_SFREQ_HiHi_Pri	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_PRI	Linear_Mtr
@GV.R1_CD_Avg_CO2	CUR_DAY_AVG	Avg_CO2
@GV.Batt_DO_Point	#	#
@GV.R2_SP_HHAL_Pri	PF_OBJ.ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.OrifType	#	#
@GV.ST1_RCH_MACF	#	#
@GV.ST1_FCH_MACF	#	#
@GV.ST1_RUCVolume_Today	#	#
@GV.ST1_FUCVolume_Today	#	#
@GV.ST1_RUCVOLUME_ACCUM	#	#
@GV.ST1_FUCVOLUME_ACCUM	#	#
@GV.ST1_RLH_UCVOLUME	#	#
@GV.ST1_FLH_UCVOLUME	#	#
@GV.ST1_RUVOLUME_YESDAY	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.ST1_FUVOLUME_YESDAY	#	#
@GV.ST1_RUCFLOW_RATE	#	#
@GV.ST1_RUCFLOWRATE_MSCFH	#	#
@GV.ST1_FUCFLOW_RATE	#	#
@GV.ST1_FUCFLOWRATE_MSCFH	#	#
@GV.ST1_RENERGY_RATE	#	#
@GV.ST1_RENERGYRATE_MMBTUH	#	#
@GV.ST1_FENERGY_RATE	#	#
@GV.ST1_FENERGYRATE_MMBTUH	#	#
@GV.ST1_RFLOW_RATE	#	#
@GV.ST1_RFLOWRATE_MSCFH	#	#
@GV.ST1_FFLOW_RATE	#	#
@GV.ST1_FFLOWRATE_MSCFH	#	#
@GV.ST1_RCH_MMBTU	#	#
@GV.ST1_FCH_MMBTU	#	#
@GV.ST1_RCH_MSCF	#	#
@GV.ST1_FCH_MSCF	#	#
@GV.ST1_REnergy_Today	#	#
@GV.ST1_FEnergy_Today	#	#
@GV.ST1_RVolume_Today	#	#
@GV.ST1_FVolume_Today	#	#
@GV.ST1_RENERGY_ACCUM	#	#
@GV.ST1_FENERGY_ACCUM	#	#
@GV.ST1_RVOLUME_ACCUM	#	#
@GV.ST1_FVOLUME_ACCUM	#	#
@GV.ST1_RLH_ENERGY	#	#
@GV.ST1_FLH_ENERGY	#	#
@GV.R1_LD_Count	PI_1-1.YESTERDAYS_TOTAL	FIXED_OBJ_REF
@GV.R1_PULSE_FACTOR	FLOW_OBJ.CONV_FACTOR	Linear_Mtr
@GV.R1_Pulses_Incr	FLOW_OBJ.PULSE_ACCUM	Linear_Mtr
@GV.R1_PULSES_INP	FLOW_OBJ.LIVE_FREQ	Linear_Mtr
@GV.R1_FREQ_LIVE	FLOW_OBJ.LIVE_FREQ	Linear_Mtr
@GV.R1_SFREQ_Count	PI_1-1.PULSE_ACCUM	FIXED_OBJ_REF
@GV.R2_UCVOLUME_YESDAY	UVOL_TOT_OBJ.PREV_DAY	Linear_Mtr
@GV.R1_SFREQ_MO_Value	PI_1-1.OVRD_FREQ	FIXED_OBJ_REF
@GV.R1_SINCR	FLOW_OBJ.PULSE_ACCUM	Linear_Mtr
@GV.R1_SFREQ_Units	PI_1-1.UNITS	FIXED_OBJ_REF
@GV.R1_SPULSE_ACCUM	PI_1-1.PULSE_DAY_ACCUM_64	FIXED_OBJ_REF
@GV.R1_SPULSE_TODAY	PI_1-1.TODAYS_TOTAL	FIXED_OBJ_REF
@GV.AI_1_UnitsCode	AI_1-1.UNITS	FIXED_OBJ_REF
@GV.AI_2_UnitsCode	AI_1-2.UNITS	FIXED_OBJ_REF
@GV.AI_1_INP	AI_1-1.LIVE	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.AI_2_INP	AI_1-2.LIVE	FIXED_OBJ_REF
@GV.R2_DP_FULL	DP_OBJ.MONITOR_MAX	DP_Mtr
@GV.R2_DP_ALM	DP_OBJ.ALM_OBJ.PROCESS_ALM	DP_Mtr
@GV.R1_FTEMP_AI	AI_1-1.LIVE	FIXED_OBJ_REF
AI1_INPUT_STATUS	AI_1-1.INPUT_STATUS	FIXED_OBJ_REF
AI2_INPUT_STATUS	AI_1-2.INPUT_STATUS	FIXED_OBJ_REF
AI3_INPUT_STATUS	AI_1-3.INPUT_STATUS	FIXED_OBJ_REF
AI4_INPUT_STATUS	AI_1-4.INPUT_STATUS	FIXED_OBJ_REF
AI5_INPUT_STATUS	AI_1-5.INPUT_STATUS	FIXED_OBJ_REF
AI6_INPUT_STATUS	AI_1-6.INPUT_STATUS	FIXED_OBJ_REF
AI7_INPUT_STATUS	AI_1-7.INPUT_STATUS	FIXED_OBJ_REF
AI8_INPUT_STATUS	AI_1-8.INPUT_STATUS	FIXED_OBJ_REF
DI1_INPUT_STATUS	DI_1-1.INPUT_STATUS	FIXED_OBJ_REF
DI2_INPUT_STATUS	DI_1-2.INPUT_STATUS	FIXED_OBJ_REF
DI3_INPUT_STATUS	DI_1-3.INPUT_STATUS	FIXED_OBJ_REF
DI4_INPUT_STATUS	DI_1-4.INPUT_STATUS	FIXED_OBJ_REF
DI5_INPUT_STATUS	DI_1-5.INPUT_STATUS	FIXED_OBJ_REF
DI6_INPUT_STATUS	DI_1-6.INPUT_STATUS	FIXED_OBJ_REF
DI7_INPUT_STATUS	DI_1-7.INPUT_STATUS	FIXED_OBJ_REF
DI8_INPUT_STATUS	DI_1-8.INPUT_STATUS	FIXED_OBJ_REF
PI1_INPUT_STATUS	PI_1-1.INPUT_STATUS	FIXED_OBJ_REF
PI2_INPUT_STATUS	PI_1-2.INPUT_STATUS	FIXED_OBJ_REF
PI3_INPUT_STATUS	PI_1-3.INPUT_STATUS	FIXED_OBJ_REF
PI4_INPUT_STATUS	PI_1-4.INPUT_STATUS	FIXED_OBJ_REF
PI5_INPUT_STATUS	PI_1-5.INPUT_STATUS	FIXED_OBJ_REF
PI6_INPUT_STATUS	PI_1-6.INPUT_STATUS	FIXED_OBJ_REF
PI7_INPUT_STATUS	PI_1-7.INPUT_STATUS	FIXED_OBJ_REF
PI8_INPUT_STATUS	PI_1-8.INPUT_STATUS	FIXED_OBJ_REF
AO1_OUTPUT_STATUS	AO_1-1.OUTPUT_STATUS	FIXED_OBJ_REF
AO2_OUTPUT_STATUS	AO_1-2.OUTPUT_STATUS	FIXED_OBJ_REF
AO3_OUTPUT_STATUS	AO_1-3.OUTPUT_STATUS	FIXED_OBJ_REF
AO4_OUTPUT_STATUS	AO_1-4.OUTPUT_STATUS	FIXED_OBJ_REF
AO5_OUTPUT_STATUS	AO_1-5.OUTPUT_STATUS	FIXED_OBJ_REF
AO6_OUTPUT_STATUS	AO_1-6.OUTPUT_STATUS	FIXED_OBJ_REF
AO7_OUTPUT_STATUS	AO_1-7.OUTPUT_STATUS	FIXED_OBJ_REF
AO8_OUTPUT_STATUS	AO_1-8.OUTPUT_STATUS	FIXED_OBJ_REF
DO1_OUTPUT_STATUS	DO_1-1.OUTPUT_STATUS	FIXED_OBJ_REF
DO2_OUTPUT_STATUS	DO_1-2.OUTPUT_STATUS	FIXED_OBJ_REF
DO3_OUTPUT_STATUS	DO_1-3.OUTPUT_STATUS	FIXED_OBJ_REF
DO4_OUTPUT_STATUS	DO_1-4.OUTPUT_STATUS	FIXED_OBJ_REF
DO5_OUTPUT_STATUS	DO_1-5.OUTPUT_STATUS	FIXED_OBJ_REF
DO6_OUTPUT_STATUS	DO_1-6.OUTPUT_STATUS	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
DO7_OUTPUT_STATUS	DO_1-7.OUTPUT_STATUS	FIXED_OBJ_REF
DO8_OUTPUT_STATUS	DO_1-8.OUTPUT_STATUS	FIXED_OBJ_REF
DO9_OUTPUT_STATUS	DO_1-9.OUTPUT_STATUS	FIXED_OBJ_REF
DO10_OUTPUT_STATUS	DO_1-10.OUTPUT_STATUS	FIXED_OBJ_REF
DI9_INPUT_STATUS	DI_1-9.INPUT_STATUS	FIXED_OBJ_REF
DI10_INPUT_STATUS	DI_1-10.INPUT_STATUS	FIXED_OBJ_REF
PI9_INPUT_STATUS	PI_1-9.INPUT_STATUS	FIXED_OBJ_REF
PI10_INPUT_STATUS	PI_1-10.INPUT_STATUS	FIXED_OBJ_REF
@GV.AI_3_UnitsCode	AI_1-3.UNITS	FIXED_OBJ_REF
@GV.AI_4_UnitsCode	AI_1-4.UNITS	FIXED_OBJ_REF
@GV.R1_UCFlowRate	UVOL_RATE	DP_LIN_OBJ
@GV.R1_Y_FACTOR	Y1_SEL	DP_Mtr
@GV.R1_AGA7_CFactor	USER_CORR_FACTOR	Linear_Mtr
@GV.AI_3_INP	AI_1-3.LIVE	FIXED_OBJ_REF
@GV.AI_4_INP	AI_1-4.LIVE	FIXED_OBJ_REF
@GV.R2_Reyn_Used	RE_SEL	DP_Mtr
@GV.R2_FLOWTIME_LMNTH	FLWTM_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R2_FLOWTIME_CMNTH	FLWTM_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.R2_ENERGY_ACCUM	ENERGY_RAW_TOT	DP_LIN_OBJ
@GV.R1_CD_Avg_DP	CUR_DAY_AVG	Avg_DP
@GV.R1_CD_Avg_Ext	CUR_DAY_AVG	Avg_Ext
@GV.R1_CD_Avg_FT	CUR_DAY_AVG	Avg_FT
@GV.R1_CD_Avg_SP	CUR_DAY_AVG	Avg_SP
@GV.R2_CH_Avg_DP	CUR_PER_AVG	Avg_DP
@GV.R2_CH_Avg_Ext	CUR_PER_AVG	Avg_Ext
@GV.R2_CH_Avg_FT	CUR_PER_AVG	Avg_FT
@GV.R2_CH_Avg_SP	CUR_PER_AVG	Avg_SP
@GV.R1_CH_MACF	UVOL_TOT_OBJ.CUR_PER	Linear_Mtr
@GV.R1_CH_MMBTU	ENERGY_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R1_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R1_DP_AI	DP_OBJ.LIVE	DP_Mtr
@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr
@GV.R1_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr
@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr
@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr
@GV.R1_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr
@GV.R1_DP_LODB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr
@GV.R1_FTEMP_AI	TF_OBJ.LIVE	DP_Mtr
@GV.R1_FTEMP_FULL	TF_OBJ.MONITOR_MAX	DP_LIN_OBJ
@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R1_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R1_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R1_FTEMP_LODB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R1_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr
@GV.R1_ENERGY_ACCUM	ENERGY_RAW_TOT	DP_LIN_OBJ
@GV.R1_ENERGY_LMONTH	ENERGY_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R1_ENERGY_MONTH	ENERGY_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.R1_ENERGY_RATE	ENERGY_RATE	DP_LIN_OBJ
@GV.R1_ENERGY_TODAY	ENERGY_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.R1_ENERGY_YESDAY	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_FG_FACTOR	FLUID_PROP_OBJ.DENSF_SEL	DP_Mtr
@GV.R1_Fgr_Used	FLUID_PROP_OBJ.DENSF_SEL	DP_Mtr
@GV.R1_FLOWTIME_CMNTH	FLWTM_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.R1_FLOWTIME_CURR	FLWTM_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R1_FLOWTIME_LASTHR	FLWTM_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R1_FLOWTIME_LMNTH	FLWTM_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R1_FLOWTIME_TODAY	FLWTM_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.BSAP_5_INACTIVITY_TMO	BSAP_5.LOGIN_TMOUT	FIXED_OBJ_REF
@GV.R1_FLOWTIME_YESDAY	FLWTM_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_FPV	FLUID_PROP_OBJ.ZFPV_SEL	DP_Mtr
@GV.R1_FPV_FACTOR	FLUID_PROP_OBJ.ZFPV_SEL	DP_Mtr
@GV.R1_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ
@GV.R1_LD_Avg_DP	PREV_DAY_AVG	Avg_DP
@GV.R1_LD_Avg_Ext	PREV_DAY_AVG	Avg_Ext
@GV.R1_LD_Avg_FT	PREV_DAY_AVG	Avg_FT
@GV.R1_LD_Avg_SP	PREV_DAY_AVG	Avg_SP
@GV.R1_LH_Avg_DP	PREV_PER_AVG	Avg_DP
@GV.R1_LH_Avg_Ext	PREV_PER_AVG	Avg_Ext
@GV.R1_LH_Avg_FT	PREV_PER_AVG	Avg_FT
@GV.R1_AA_Status1	#	#
@GV.R1_LH_VOL	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr
@GV.R1_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr
@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr
@GV.R1_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr
@GV.R1_PRESBASE	PB_SEL	STN_OBJ
@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R1_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R1_RATE_LODB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_SP_AI	PF_OBJ.LIVE	DP_Mtr
@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R1_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R1_SP_LODB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R1_UCVOLUME_ACCUM	UVOL_RAW_TOT	Linear_Mtr
@GV.R1_UCVOLUME_LMONTH	UVOL_TOT_OBJ.PREV_MNTH	Linear_Mtr
@GV.R1_UCVOLUME_MONTH	UVOL_TOT_OBJ.CUR_MNTH	Linear_Mtr
@GV.R1_UCVOLUME_TODAY	UVOL_TOT_OBJ.CUR_DAY	Linear_Mtr
@GV.R1_UCVOLUME_YESDAY	UVOL_TOT_OBJ.PREV_DAY	Linear_Mtr
@GV.R1_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr
@GV.R1_VOLUME_ACCUM	SVOL_RAW_TOT	DP_LIN_OBJ
@GV.R1_VOLUME_LMONTH	SVOL_TOT_OBJ.PREV_MNTH	DP_LIN_OBJ
@GV.R1_VOLUME_MONTH	SVOL_TOT_OBJ.CUR_MNTH	DP_LIN_OBJ
@GV.R1_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.R1_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_SFREQ_Hi	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr
@GV.R1_SFREQ_HiDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr
@GV.R1_SFREQ_HiHi	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr
@GV.R1_SFREQ_Lo	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr
@GV.R1_SFREQ_LoDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr
@GV.R1_SFREQ_LoLo	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr
@GV.ST1_ENERGY_RATE_Time	Station_1.ENERGY_RATE_UNITS	FIXED_OBJ_REF
@GV.ST1_ENERGY_RATE_Units	Station_1.ENERGY_RATE_UNITS	FIXED_OBJ_REF
@GV.ST1_FCENERGY_RATE_Units	Station_1.ENERGY_RATE_UNITS	FIXED_OBJ_REF
@GV.ST1_FCFLOW_RATE_UNITS	Station_1.VOL_RATE_UNITS	FIXED_OBJ_REF
@GV.ST1_FLOW_RATE_UNITS	Station_1.VOL_RATE_UNITS	FIXED_OBJ_REF
@GV.ST1_UCFLOW_RATE_UNITS	Station_1.VOL_RATE_UNITS	FIXED_OBJ_REF
@GV.DEADBND_CFG	PID_1.P_CONTROL_DEADBAND	FIXED_OBJ_REF
@GV.DERIV_CFG	PID_1.P_DERIVATIVE_GAIN	FIXED_OBJ_REF
@GV.GAIN_CFG	PID_1.P_PROPORTIONAL_G	FIXED_OBJ_REF
@GV.INTEGRAL_CFG	PID_1.P_INTEGRAL_GAIN	FIXED_OBJ_REF
@GV.SETPNT_CFG	PID_1.P_SETPOINT	FIXED_OBJ_REF
@GV.VC_Man_Value	PID_1.MANUAL_POSITION	FIXED_OBJ_REF
@GV.VC_AO_RATE	PID_1.OUTPUT_SLEW_RATE	FIXED_OBJ_REF
@GV.SP_RAMP_RATE	PID_1.P_SETPOINT_RAMP	FIXED_OBJ_REF
@GV.ST1_LH_VOL	Station_1.SVOL_TOT_OBJ.PREV_PER	FIXED_OBJ_REF
@GV.ST1_VOLUME_YESDAY	Station_1.SVOL_TOT_OBJ.PREV_DAY	FIXED_OBJ_REF
@GV.ST1_VOLUME_ACCUM	Station_1.SVOL_TOT_OBJ.CURRENT	FIXED_OBJ_REF
@GV.ST1_Volume_Today	Station_1.SVOL_TOT_OBJ.CUR_DAY	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.ST1_CH_MSCF	Station_1.SVOL_TOT_OBJ.CUR_PER	FIXED_OBJ_REF
@GV.ST1_LH_ENERGY	Station_1.ENERGY_TOT_OBJ.PREV_PER	FIXED_OBJ_REF
@GV.ST1_ENERGY_YESDAY	Station_1.ENERGY_TOT_OBJ.PREV_DAY	FIXED_OBJ_REF
@GV.ST1_ENERGY_ACCUM	Station_1.ENERGY_TOT_OBJ.CURRENT	FIXED_OBJ_REF
@GV.ST1_Energy_Today	Station_1.ENERGY_TOT_OBJ.CUR_DAY	FIXED_OBJ_REF
@GV.ST1_CH_MMBTU	Station_1.ENERGY_TOT_OBJ.CUR_PER	FIXED_OBJ_REF
@GV.ST1_ENERGY_RATE	Station_1.ENERGY_RATE	FIXED_OBJ_REF
@GV.ST1_LH_UCVOLUME	Station_1.UVOL_TOT_OBJ.PREV_PER	FIXED_OBJ_REF
@GV.ST1_UVOLUME_YESDAY	Station_1.UVOL_TOT_OBJ.PREV_DAY	FIXED_OBJ_REF
@GV.ST1_UCVOLUME_ACCUM	Station_1.UVOL_TOT_OBJ.CURRENT	FIXED_OBJ_REF
@GV.ST1_UCVolume_Today	Station_1.UVOL_TOT_OBJ.CUR_DAY	FIXED_OBJ_REF
@GV.ST1_CH_MACF	Station_1.UVOL_TOT_OBJ.CUR_PER	FIXED_OBJ_REF
@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF
@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF
@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF
@GV.SCB_1_DP_UNITS	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF
@GV.SCB_1_SP_UNITS	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF
@GV.SCB_1_TEMP_UNITS	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF
@GV.BATT_HAL	System Pwr_1.EXT_VOLT_ALM.HI_LIM	FIXED_OBJ_REF
@GV.BATT_HAL_Pri	System Pwr_1.EXT_VOLT_ALM.HI_PRI	FIXED_OBJ_REF
@GV.BATT_HHAL	System Pwr_1.EXT_VOLT_ALM.HIHI_LIM	FIXED_OBJ_REF
@GV.BATT_HHAL_Pri	System Pwr_1.EXT_VOLT_ALM.HIHI_PRI	FIXED_OBJ_REF
@GV.BATT_HIDB	System Pwr_1.EXT_VOLT_ALM.DEADBAND	FIXED_OBJ_REF
@GV.BATT_LAL	System Pwr_1.EXT_VOLT_ALM.LO_LIM	FIXED_OBJ_REF
@GV.BATT_LAL_Pri	System Pwr_1.EXT_VOLT_ALM.LO_PRI	FIXED_OBJ_REF
@GV.BATT_LLAL	System Pwr_1.EXT_VOLT_ALM.LOLO_LIM	FIXED_OBJ_REF
@GV.BATT_LLAL_Pri	System Pwr_1.EXT_VOLT_ALM.LOLO_PRI	FIXED_OBJ_REF
@GV.BATT_LODB	System Pwr_1.EXT_VOLT_ALM.DEADBAND	FIXED_OBJ_REF
@GV.R2_DP_HAL_Pri	DP_OBJ.ALM_OBJ.HI_PRI	DP_Mtr
@GV.Radio_Listen_Time	#	#
@GV.GC_S4_SG	#	#
@GV.GC_S3_SG	#	#
@GV.GC_S2_SG	Components_2.GC_DATA_OBJ.RD	FIXED_OBJ_REF
@GV.GC_S1_SG	Components_1.GC_DATA_OBJ.RD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_SG	Fluid Prop_1.RD_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_SG	Fluid Prop_2.RD_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S3_Fixed_SG	Fluid Prop_3.RD_REAL_OVRD	FIXED_OBJ_REF
@GV.GC_S4_Fixed_SG	Fluid Prop_4.RD_REAL_OVRD	FIXED_OBJ_REF
@GV.R1_LH_Avg_CO2	PREV_PER_AVG	Avg_CO2
@GV.GC_SlaveAddress	GC Config_1.GC_MODBUS_ADDR	FIXED_OBJ_REF
Components_S4_Apply_Comp	#	#
@GV.R1_DP_AI_UNITS	DP_OBJ.UNITS	DP_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_DP_HAL_Pri	DP_OBJ.ALM_OBJ.HI_PRI	DP_Mtr
@GV.R1_DP_HHAL_Pri	DP_OBJ.ALM_OBJ.HIHI_PRI	DP_Mtr
@GV.R1_DP_LAL_Pri	DP_OBJ.ALM_OBJ.LO_PRI	DP_Mtr
@GV.R1_DP_LLAL_Pri	DP_OBJ.ALM_OBJ.LOLO_PRI	DP_Mtr
@GV.R1_FTEMP_AI_UNITS	TF_OBJ.UNITS	DP_Mtr
@GV.R1_FTEMP_HAL_Pri	TF_OBJ.ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.R1_FTEMP_HHAL_Pri	TF_OBJ.ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.R1_FTEMP_LAL_Pri	TF_OBJ.ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.R1_FTEMP_LLAL_Pri	TF_OBJ.ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.R1_DP_Source	DP_OBJ.CHANNEL	DP_Mtr
@GV.R1_FTEMP_Source	TF_OBJ.CHANNEL	DP_Mtr
@GV.R1_FTEMP_Units	TF_OBJ.UNITS	DP_Mtr
@GV.R1_RATE_HAL_Pri	FLW_ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.R1_RATE_HHAL_Pri	FLW_ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.R1_RATE_LAL_Pri	FLW_ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.R1_RATE_LLAL_Pri	FLW_ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.R1_SP_AI_UNITS	PF_OBJ.UNITS	DP_Mtr
@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ
@GV.R1_SP_HAL_Pri	PF_OBJ.ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.R1_SP_HHAL_Pri	PF_OBJ.ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.R1_SP_LAL_Pri	PF_OBJ.ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.R1_SP_LLAL_Pri	PF_OBJ.ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.R1_SP_Source	PF_OBJ.CHANNEL	DP_Mtr
@GV.R1_Visc_Units	DYN_VISC_UNITS	STN_OBJ
@GV.R1_SFREQ_Hi_Pri	FLOW_OBJ.FREQ_ALM_OBJ.HI_PRI	Linear_Mtr
@GV.R1_SFREQ_HiHi_Pri	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_PRI	Linear_Mtr
@GV.R1_SFREQ_Lo_Pri	FLOW_OBJ.FREQ_ALM_OBJ.LO_PRI	Linear_Mtr
@GV.R1_SFREQ_LoLo_Pri	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_PRI	Linear_Mtr
@GV.R2_CH_MACF	UVOL_TOT_OBJ.CUR_PER	Linear_Mtr
@GV.GC_Port	#	#
@GV.R1_CH_Avg_CO2	CUR_PER_AVG	Avg_CO2
@GV.R2_FTEMP_ALM	TF_OBJ.ALM_OBJ.PROCESS_ALM	DP_LIN_OBJ
@GV.WE_DP_Frozen	#	#
@GV.WE_SP_Frozen	#	#
@GV.WE_RTD_Frozen	#	#
@GV.R1_FTEMP_ALM	TF_OBJ.ALM_OBJ.PROCESS_ALM	DP_LIN_OBJ
@GV.T1_DP_Frozen	#	#
@GV.T1_SP_Frozen	#	#
@GV.T1_FTEMP_Frozen	#	#
Components_S3_Apply_Comp	#	#
@GV.T1M_DP_Frozen	#	#
@GV.T1M_SP_Frozen	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.T1M_FTEMP_Frozen	#	#
Components_S2_Apply_Comp	Components_2.APPLY_COMP	FIXED_OBJ_REF
@GV.T2_DP_Frozen	#	#
@GV.T2_SP_Frozen	#	#
@GV.T2_FTEMP_Frozen	#	#
Components_S1_Apply_Comp	Components_1.APPLY_COMP	FIXED_OBJ_REF
@GV.T2M_DP_Frozen	#	#
@GV.T2M_SP_Frozen	#	#
@GV.T2M_FTEMP_Frozen	#	#
@GV.T3_DP_Frozen	#	#
@GV.T3_SP_Frozen	#	#
@GV.T3_FTEMP_Frozen	#	#
@GV.T3M_DP_Frozen	#	#
@GV.T3M_SP_Frozen	#	#
@GV.T3M_FTEMP_Frozen	#	#
@GV.T4_DP_Frozen	#	#
@GV.T4_SP_Frozen	#	#
@GV.T4_FTEMP_Frozen	#	#
@GV.T4M_DP_Frozen	#	#
@GV.T4M_SP_Frozen	#	#
@GV.T4M_FTEMP_Frozen	#	#
@GV.R2_SP_LAL_Pri	PF_OBJ.ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.PDO_MIN	#	#
@GV.ST1_Elevation_Units	#	#
@GV.R2_SP_LLAL_Pri	PF_OBJ.ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.ST1_Avg_Method	#	#
@GV.GC_Avg_Method	#	#
@GV.R2_SFREQ_ALM	FLOW_OBJ.FREQ_ALM_OBJ.PROCESS_ALM	Linear_Mtr
@GV.GC_IP_Addr	#	#
@GV.R2_VOLUME_ACCUM	SVOL_RAW_TOT	DP_LIN_OBJ
@GV.R2_SP_ALM	PF_OBJ.ALM_OBJ.PROCESS_ALM	DP_LIN_OBJ
@GV.R2_DP_LLAL_Pri	DP_OBJ.ALM_OBJ.LOLO_PRI	DP_Mtr
@GV.MAXDP_OVRD_CFG	#	#
@GV.ST1_UDSTREAM_AI_Point	#	#
@GV.ST1_QLIMIT	#	#
@GV.R2_DP_INP	DP_INUSE	DP_Mtr
@GV.R2_FTEMP_INP	TF_INUSE	DP_LIN_OBJ
@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ
@GV.GC_S1_Fixed_BTUSat	#	#
@GV.GC_S1_Fixed_Wobbe	#	#
@GV.GC_S1_Fixed_C6Plus	#	#
@GV.GC_S1_Fixed_C9Plus	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S2_Fixed_BTUSat	#	#
@GV.GC_S2_Fixed_Wobbe	#	#
@GV.GC_S2_Fixed_C6Plus	#	#
@GV.GC_S2_Fixed_C9Plus	#	#
@GV.GC_S3_Fixed_BTUSat	#	#
@GV.GC_S3_Fixed_Wobbe	#	#
@GV.GC_S3_Fixed_C6Plus	#	#
@GV.GC_S3_Fixed_C9Plus	#	#
@GV.GC_S4_Fixed_BTUSat	#	#
@GV.GC_S4_Fixed_Wobbe	#	#
@GV.GC_S4_Fixed_C6Plus	#	#
@GV.GC_S4_Fixed_C9Plus	#	#
@GV.RUNS12_BIDIR_Point	#	#
@GV.DIR_DO_POINT	#	#
@GV.R2_LSC_Deadband	#	#
@GV.R2_LSC_FThreshold	#	#
@GV.R2_LSC_Stack	#	#
@GV.R1_LSC_Deadband	#	#
@GV.R2_SP_FULL	PF_OBJ.MONITOR_MAX	DP_LIN_OBJ
@GV.MB1_PORT	#	#
@GV.MB1_SLAVE_ADDR	#	#
@GV.MB1_IP_ADDR	#	#
@GV.MB1_Data_Size	#	#
@GV.MB1_BIT_ORDER	#	#
@GV.MB1_BYTE_ORDER	#	#
@GV.MB1_WORD_ORDER	#	#
@GV.MB1_RTS_CTS_DELAY	#	#
@GV.MB1_DELAY_MODE	#	#
@GV.MB1_TimeOut	#	#
@GV.MB1_Mode	#	#
@GV.MB1_Repeat	#	#
@GV.MB1_Coil_BaseAddr	#	#
@GV.MB1_Input_BaseAddr	#	#
@GV.MB1_Reg_BaseAddr	#	#
@GV.MB1_InpReg_BaseAddr	#	#
@GV.R2_AA_ABL	AA_ABNORMAL_BAND	Linear_Mtr
@GV.RESERVED_ANALOG_440E	#	#
@GV.R2_HTVAL_SOURCE	#	#
@GV.R2_HTVAL_GC_UNITS	#	#
@GV.R2_HTVAL_MO_VALUE	#	#
@GV.R2_HTVAL_MO_UNITS	#	#
@GV.R2_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr
@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr
@GV.R2_DP_LODB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr
@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr
@GV.R2_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr
@GV.R2_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_SP_LODB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R2_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_FTEMP_LODB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R2_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R2_SFREQ_HIHI	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr
@GV.R2_SFREQ_HI	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr
@GV.R2_SFREQ_HIDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr
@GV.R2_SFREQ_LODB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr
@GV.R2_SFREQ_LO	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr
@GV.R2_SFREQ_LOLO	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr
@GV.R2_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ
@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ
@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_RATE_LODB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ
@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ
@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ
@GV.R2_DP_HHAL_Pri	DP_OBJ.ALM_OBJ.HIHI_PRI	DP_Mtr
@GV.R2_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr
@GV.R2_DPCUT_UNITS	#	#
@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr
@GV.R2_ORIF_UNITS	#	#
@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr
@GV.R2_PIPE_UNITS	#	#
@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ
@GV.R2_AP_UNITS	#	#
@GV.R2_TEMPBASE	TB_SEL	STN_OBJ
@GV.R2_TB_UNITS	#	#
@GV.R2_PRESBASE	PB_SEL	STN_OBJ
@GV.R2_PB_UNITS	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R2_AA_ABH	AA_ABNORMAL_BAND	Linear_Mtr
@GV.R2_AA_ABAR	AA_AVG_REL_ADJ	Linear_Mtr
@GV.R2_K	#	#
@GV.R2_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr
@GV.R2_VISC_UNITS	#	#
@GV.R2_AA_KS	AA_KF_SENS	Linear_Mtr
@GV.R2_AA_KMo	AA_KF_MECH	Linear_Mtr
@GV.R2_AA_KM	AA_KF_MAIN	Linear_Mtr
@GV.R2_Alt_GravPress	#	#
@GV.R2_AA_DeltaABAR	AA_DELTA_A_CALC	Linear_Mtr
@GV.R2_Alt_GravTEMP	#	#
@GV.R2_AGA7_FLOWDENSITY	#	#
@GV.R2_AGA7_BASEDENSITY	#	#
@GV.R2_LD_Avg_N2	PREV_DAY_AVG	Avg_N2
@GV.R2_AGA7_KFACTOR	KF_OVRD	Linear_Mtr
@GV.R2_AGA7_CFACTOR	USER_CORR_FACTOR	Linear_Mtr
@GV.R2_CSELECT	#	#
@GV.R2_RATE_LLAL_Pri	FLW_ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF
@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF
@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF
@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF
@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF
@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF
@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF
@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF
@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF
@GV.R2_FLOW_ARCHUNITS	#	#
@GV.R2_ENERGY_ARCHUnits	#	#
@GV.T1_BSAP_Addr	#	#
@GV.R2_RATE_LAL_Pri	FLW_ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.T1B_Config_Type	#	#
@GV.T1_Modbus_Address	#	#
@GV.R2_RATE_HHAL_Pri	FLW_ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.T1M_Config_Type	#	#
@GV.T2_BSAP_Addr	#	#
@GV.R2_RATE_HAL_Pri	FLW_ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.T2B_Config_Type	#	#
@GV.T2_Modbus_Address	#	#
@GV.R2_FTEMP_LLAL_Pri	TF_OBJ.ALM_OBJ.LOLO_PRI	DP_LIN_OBJ
@GV.T2M_Config_Type	#	#
@GV.T3_BSAP_Addr	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R2_FTEMP_LAL_Pri	TF_OBJ.ALM_OBJ.LO_PRI	DP_LIN_OBJ
@GV.T3B_Config_Type	#	#
@GV.T3_Modbus_Address	#	#
@GV.R2_FTEMP_HHAL_Pri	TF_OBJ.ALM_OBJ.HIHI_PRI	DP_LIN_OBJ
@GV.T3M_Config_Type	#	#
@GV.T4_BSAP_Addr	#	#
@GV.R2_FTEMP_HAL_Pri	TF_OBJ.ALM_OBJ.HI_PRI	DP_LIN_OBJ
@GV.T4B_Config_Type	#	#
@GV.T4_Modbus_Address	#	#
@GV.R2_FTEMP_FULL	TF_OBJ.MONITOR_MAX	DP_LIN_OBJ
@GV.T4M_Config_Type	#	#
@GV.R1_DP_BSAP_Xmtr	#	#
@GV.R1_DP_Modbus_Xmtr	#	#
@GV.R1_FTEMP_BSAP_Xmtr	#	#
@GV.R1_FTEMP_Modbus_Xmtr	#	#
@GV.R1_SP_BSAP_Xmtr	#	#
@GV.R1_SP_Modbus_Xmtr	#	#
@GV.R2_DP_BSAP_Xmtr	#	#
@GV.R2_DP_Modbus_Xmtr	#	#
@GV.R2_FTEMP_BSAP_Xmtr	#	#
@GV.R2_FTEMP_Modbus_Xmtr	#	#
@GV.R2_SP_BSAP_Xmtr	#	#
@GV.R2_SP_Modbus_Xmtr	#	#
@GV.R2_FTEMP_SOURCE	#	#
@GV.R2_SP_SOURCE	#	#
@GV.R1_FLOW_ARCHUNITS	#	#
@GV.R1_ENERGY_ARCHUnits	#	#
@GV.R2_CONFIG_TYPE	MTR_TYPE	DP_LIN_OBJ
@GV.R2_FLOW_RATE_UNITS	#	#
@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp
@GV.R2_HTVAL_DISP_UNITS	#	#
@GV.R2_ENERGY_RATE_UNITS	#	#
@GV.R2_ENERGY_RATE_TIME	#	#
@GV.R2_DP_SOURCE	#	#
@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF
@GV.R2_SFREQ_Lo_Pri	FLOW_OBJ.FREQ_ALM_OBJ.LO_PRI	Linear_Mtr
@GV.R2_AA_BTSF	AA_BLADE_FACTOR	Linear_Mtr
@GV.R2_SINCR	FLOW_OBJ.PULSE_ACCUM	Linear_Mtr
@GV.R2_Pulses_Incr	FLOW_OBJ.PULSE_ACCUM	Linear_Mtr
@GV.R2_PULSES_INP	FLOW_OBJ.LIVE_FREQ	Linear_Mtr
@GV.R1_Alt_GravPress	#	#
@GV.R1_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_Alt_GravTEMP	#	#
@GV.R1_AGA7_FLOWDENSITY	#	#
@GV.R1_AGA7_BASEDENSITY	#	#
@GV.R2_UCVOLUME_TODAY	UVOL_TOT_OBJ.CUR_DAY	Linear_Mtr
@GV.R1_PB_UNITS	#	#
@GV.R1_TB_UNITS	#	#
@GV.R1_AP_UNITS	#	#
@GV.R1_PIPE_UNITS	#	#
@GV.R1_ORIF_UNITS	#	#
@GV.R1_DPCUT_UNITS	#	#
@GV.R2_FREQ_LIVE	FLOW_OBJ.LIVE_FREQ	Linear_Mtr
@GV.R2_SFREQ_LoLo_Pri	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_PRI	Linear_Mtr
@GV.R1_HTVAL_MO_UNITS	#	#
@GV.R1_HTVAL_GC_UNITS	#	#
@GV.R2_UCVOLUME_LMONTH	UVOL_TOT_OBJ.PREV_MNTH	Linear_Mtr
@GV.R1_HTVAL_DISP_UNITS	#	#
@GV.R1_ENERGY_RATE_UNITS	#	#
@GV.R1_ENERGY_RATE_TIME	#	#
@GV.R1_FLOW_RATE_UNITS	#	#
@GV.R1_CONFIG_TYPE	MTR_TYPE	DP_LIN_OBJ
@GV.GC_S2_Wobbe_Max	#	#
@GV.GC_S2_Wobbe_Min	#	#
@GV.GC_TOTAL_Max	#	#
@GV.GC_TOTAL_Min	#	#
@GV.MIX_1_1_AI_ZERO	#	#
@GV.MIX_1_2_AI_ZERO	#	#
@GV.MIX_1_3_AI_ZERO	#	#
@GV.MIX_1_1_AI_SPAN	#	#
@GV.MIX_1_2_AI_SPAN	#	#
@GV.MIX_1_3_AI_SPAN	#	#
@GV.GC_S1_Wobbe_Max	#	#
@GV.GC_S1_Wobbe_Min	#	#
@GV.RADIO_OFF_DELAY	#	#
@GV.R2_CD_Avg_SP	CUR_DAY_AVG	Avg_SP
@GV.RADIO_DAILY_MODE_HOUR_OFFSET	#	#
@GV.RADIO_DAYLIGHT_START_HOUR	#	#
@GV.RADIO_DAYLIGHT_START_MIN	#	#
@GV.RADIO_DAYLIGHT_END_HOUR	#	#
@GV.RADIO_DAYLIGHT_END_MIN	#	#
@GV.R2_CD_Avg_HV	CUR_DAY_AVG	Avg_HV
@GV.R2_CD_Avg_FT	CUR_DAY_AVG	Avg_FT
@GV.RADIO_CONTROL_MODE	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.RADIO_SENSE_START_HOUR	#	#
@GV.RADIO_SENSE_END_HOUR	#	#
@GV.RADIO_SENSE_INTERVAL	#	#
@GV.RADIO_SENSE_TIMEOUT	#	#
@GV.RADIO_START_TIME_OFFSET	#	#
@GV.RADIO_POLL_TIME_PER_NODE	#	#
@GV.RADIO_POLL_TIME_PER_GROUP	#	#
@GV.ST1_MAXRATE_CFG	#	#
@GV.VALVE_TIME_CFG	#	#
@GV.MAXOP_OVRD_CFG	#	#
@GV.MINOP_OVRD_CFG	#	#
@GV.R1_CH_Avg_SG	CUR_PER_AVG	Avg_SG
@GV.R1_CH_Avg_HV	CUR_PER_AVG	Avg_HV
@GV.R2_CD_Avg_N2	CUR_DAY_AVG	Avg_N2
@GV.R2_CD_Avg_CO2	CUR_DAY_AVG	Avg_CO2
@GV.R2_CD_Avg_SG	CUR_DAY_AVG	Avg_SG
@GV.R2_CH_Avg_SG	CUR_PER_AVG	Avg_SG
@GV.ST1_FCENERGY_RATE_Time	#	#
@GV.R2_UCFlowRate	UVOL_RATE	DP_LIN_OBJ
@GV.R2_ENERGY_RATE	ENERGY_RATE	DP_LIN_OBJ
@GV.R2_FLOWTIME_CURR	FLWTM_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R2_FLOWTIME_LASTHR	FLWTM_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_FLOWTIME_TODAY	FLWTM_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.R2_FLOWTIME_YESDAY	FLWTM_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_AA_Status2	#	#
@GV.R2_LH_VOL	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_LH_ENERGY	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.R2_ENERGY_TODAY	ENERGY_TOT_OBJ.CUR_DAY	DP_LIN_OBJ
@GV.R2_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R2_ENERGY_YESDAY	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_FLOWRATE_MSCFD	#	#
@GV.R2_FLOWRATE_MSCFD	#	FIXED_OBJ_REF
@GV.R2_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R2_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ
@GV.R2_HTVAL_IN_USE	FLUID_PROP_OBJ.HV_REAL_SEL	DP_LIN_OBJ
@GV.R2_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ
@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ
@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ
@GV.VC_AO_Out	#	#
@GV.INPUT_VOLTAGE	#	#
@GV.R1_CompCalc	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_GrossMode	#	#
@GV.R1_ORIFCON	#	#
@GV.R1_BTUSAT_LIVE	#	#
@GV.R1_WOBBE_LIVE	FLUID_PROP_OBJ.WOBBE_INDEX_CALC	DP_Mtr
@GV.R2_ORIFCON	#	#
@GV.R2_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ
@GV.R2_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ
@GV.R2_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ
@GV.R2_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ
@GV.R2_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ
@GV.R2_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ
@GV.R2_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ
@GV.R2_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ
@GV.R2_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ
@GV.R2_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ
@GV.R2_NEOC5_LIVE	FLUID_PROP_OBJ.NEOC5_INUSE	DP_LIN_OBJ
@GV.R2_BTUSAT_LIVE	#	#
@GV.R2_WOBBE_LIVE	FLUID_PROP_OBJ.WOBBE_INDEX_CALC	DP_Mtr
@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ
@GV.R2_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr
@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ
@GV.R2_CompCalc	#	#
@GV.R2_GrossMode	#	#
@GV.R2_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr
@GV.R2_LD_Avg_CO2	PREV_DAY_AVG	Avg_CO2
@GV.R2_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr
@GV.R2_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr
@GV.R1_HTVAL_GC	#	#
@GV.R2_HTVAL_GC	#	#
@GV.R1_ArchFLOW_TotH	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R1_ArchUCFLOW_TotH	UVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R1_ArchENERGY_TotH	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R1_LH_Avg_SP	PREV_PER_AVG	Avg_SP
@GV.R1_LH_Avg_HV	PREV_PER_AVG	Avg_HV
@GV.R1_LH_Count	#	#
@GV.R1_LH_Avg_SG	PREV_PER_AVG	Avg_SG
@GV.R1_ArchFLOW_TotD	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_ArchUCFLOW_TotD	UVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_ArchENERGY_TotD	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R1_LD_Avg_SG	PREV_DAY_AVG	Avg_SG
@GV.R1_LD_Avg_HV	PREV_DAY_AVG	Avg_HV
@GV.R1_CPRIME_FACTOR	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_FB_FACTOR	#	#
@GV.R1_Fpb_FACTOR	#	#
@GV.R1_FTB_FACTOR	#	#
@GV.R1_FR_FACTOR	#	#
@GV.R1_FTF_FACTOR	#	#
@GV.SPAREF	#	#
@GV.DIR_SOURCE	#	#
SC.MRMS_Kfactor	#	#
@GV.R1_DP_inH2O	DP_INUSE	DP_Mtr
@GV.R1_SP_PSI	PF_INUSE	DP_LIN_OBJ
@GV.R1_FTEMP_Deg_F	TF_INUSE	DP_LIN_OBJ
@GV.R1_UCFlowRate_MAFH	UVOL_RATE	DP_LIN_OBJ
@GV.R1_FlowRate_MSCFH	SVOL_RATE	DP_LIN_OBJ
@GV.R1_EnergyRate_MMBTUH	ENERGY_RATE	DP_LIN_OBJ
@GV.R1_LH_ENERGY	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_LH_Avg_N2	PREV_PER_AVG	Avg_N2
@GV.R2_LH_Avg_CO2	PREV_PER_AVG	Avg_CO2
@GV.R2_DP_inH2O	DP_INUSE	DP_Mtr
@GV.R2_SP_PSI	PF_INUSE	DP_LIN_OBJ
@GV.R2_FTEMP_Deg_F	TF_INUSE	DP_LIN_OBJ
@GV.R2_UCFlowRate_MAFH	UVOL_RATE	DP_LIN_OBJ
@GV.R2_FlowRate_MSCFH	SVOL_RATE	DP_LIN_OBJ
@GV.R2_EnergyRate_MMBTUH	ENERGY_RATE	DP_LIN_OBJ
@GV.R2_CH_MMBTU	ENERGY_TOT_OBJ.CUR_PER	DP_LIN_OBJ
@GV.R2_ArchFLOW_TotH	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_ArchUCFLOW_TotH	UVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_ArchENERGY_TotH	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ
@GV.R2_LH_Avg_SP	PREV_PER_AVG	Avg_SP
@GV.R2_LH_Avg_FT	PREV_PER_AVG	Avg_FT
@GV.R2_LH_Avg_DP	PREV_PER_AVG	Avg_DP
@GV.R2_LH_Avg_SG	PREV_PER_AVG	Avg_SG
@GV.R2_LH_Avg_HV	PREV_PER_AVG	Avg_HV
@GV.R2_LH_Count	#	#
@GV.R2_LH_Avg_Ext	PREV_PER_AVG	Avg_Ext
@GV.R2_ArchFLOW_TotD	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R2_ArchUCFLOW_TotD	UVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R2_ArchENERGY_TotD	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ
@GV.R2_LD_Avg_SP	PREV_DAY_AVG	Avg_SP
@GV.R2_LD_Avg_FT	PREV_DAY_AVG	Avg_FT
@GV.R2_LD_Avg_DP	PREV_DAY_AVG	Avg_DP
@GV.R2_LD_Avg_SG	PREV_DAY_AVG	Avg_SG
@GV.R2_LD_Avg_HV	PREV_DAY_AVG	Avg_HV

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R2_LD_Count	PI_1-2.YESTERDAYS_TOTAL	FIXED_OBJ_REF
@GV.R2_LD_Avg_Ext	PREV_DAY_AVG	Avg_Ext
@GV.R2_BETA	BETA_SEL	DP_Mtr
@GV.R2_EV_FACTOR	#	#
@GV.R2_CD_FACTOR	CD_SEL	DP_Mtr
@GV.R2_ZS_FACTOR	FLUID_PROP_OBJ.ZS_SEL	DP_Mtr
@GV.R2_ZB_FACTOR	FLUID_PROP_OBJ.ZB_SEL	DP_Mtr
@GV.R2_ZF_FACTOR	FLUID_PROP_OBJ.ZF_SEL	DP_Mtr
@GV.R2_Y_FACTOR	Y1_SEL	DP_Mtr
@GV.R2_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ
@GV.R2_CPRIME_FACTOR	#	#
@GV.R2_HTVAL_LIVE	Fluid Prop_2.HV_REAL_SEL	FIXED_OBJ_REF
@GV.R2_Fpb_FACTOR	#	#
@GV.R2_FTB_FACTOR	#	#
@GV.R2_FG_FACTOR	#	#
@GV.R2_FTF_FACTOR	#	#
@GV.R2_FA_FACTOR	#	#
@GV.R2_FR_FACTOR	#	#
@GV.R2_FB_FACTOR	#	#
@GV.R2_FPV_FACTOR	#	#
@GV.R2_DP_LIVE	DP_OBJ.LIVE	DP_Mtr
@GV.R2_SP_LIVE	PF_OBJ.LIVE	DP_LIN_OBJ
@GV.R2_K_USED	#	#
CL.R1DP	#	#
CL.R1SP	#	#
CL.R1TEMP	#	#
CL.R1FLOW	#	#
CL.R1CCHG	#	#
CL.R2DP	#	#
CL.R2SP	#	#
CL.R2TEMP	#	#
CL.R2FLOW	#	#
CL.R2CCHG	#	#
CL.R1FREQ	#	#
CL.R2FREQ	#	#
CL.BATTLO	#	#
CL.BATTHI	#	#
CL.BATTER	#	#
CL.XMTRAL	#	#
CL.R1DPAL	#	#
CL.R1SPAL	#	#
CL.R1FTAL	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
CL.R1FLAL	#	#
CL.R2DPAL	#	#
CL.R2SPAL	#	#
CL.R2FTAL	#	#
CL.R2FLAL	#	#
@GV.MB1_BOOL_LIST	#	#
@GV.MB1_REG_LIST	#	#
@GV.MB1_EXCEPTION_LIST	#	#
@GV.MB1_INPUT_LIST	#	#
@GV.MB1_INPREG_LIST	#	#
@GV.MB1_ARCHDT_FORMAT	#	#
@GV.MB1_ARCHIVE_LIST	#	#
@GV.MB1_SINT_LIST	#	#
@GV.MB1_LINT_LIST	#	#
@GV.MB1_SYS_DATE	#	#
@GV.MB1_SYS_TIME	#	#
@GV.MB1_ARCHIVE1	#	#
@GV.MB1_ARCHIVE2	#	#
@GV.MB1_ARCHIVE3	#	#
@GV.MB1_ARCHIVE4	#	#
@GV.MB1_ARCHIVE5	#	#
@GV.MB1_ARCHIVE6	#	#
@GV.MB1_ARCHIVE7	#	#
@GV.MB1_ARCHIVE8	#	#
@GV.MB1_ARCHIVE9	#	#
@GV.MB1_ARCHIVE10	#	#
@GV.ZEROINT	#	#
@GV.R2_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ
@GV.BSAP1_ARCH_ARY_FMT	BSAP_1.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF
@GV.BSAP2_ARCH_ARY_FMT	BSAP_2.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF
@GV.BSAP3_ARCH_ARY_FMT	BSAP_3.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF
@GV.BSAP4_ARCH_ARY_FMT	BSAP_4.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF
@GV.BSAP5_ARCH_ARY_FMT	BSAP_5.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF
@GV.BSAP5_UDP_IBP_PORT	BSAP_5.UDP_IBP_PORT	FIXED_OBJ_REF
@GV.BSAP_5_ARCH_TS_MODE	BSAP_5.ARCH_TS_MODE	FIXED_OBJ_REF
@GV.BSAP1_POLL_PERIOD	BSAP_1.POLL_PERIOD	FIXED_OBJ_REF
@GV.BSAP2_POLL_PERIOD	BSAP_2.POLL_PERIOD	FIXED_OBJ_REF
@GV.BSAP3_POLL_PERIOD	BSAP_3.POLL_PERIOD	FIXED_OBJ_REF
@GV.BSAP4_POLL_PERIOD	BSAP_4.POLL_PERIOD	FIXED_OBJ_REF
@GV.BSAP5_POLL_PERIOD	BSAP_5.POLL_PERIOD	FIXED_OBJ_REF
@GV.BSAP_1_ADDRESS	BSAP_1.BSAP_ADDR	FIXED_OBJ_REF
@GV.BSAP_2_ADDRESS	BSAP_2.BSAP_ADDR	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.BSAP_3_ADDRESS	BSAP_3.BSAP_ADDR	FIXED_OBJ_REF
@GV.BSAP_4_ADDRESS	BSAP_4.BSAP_ADDR	FIXED_OBJ_REF
@GV.BSAP_5_ADDRESS	BSAP_5.BSAP_ADDR	FIXED_OBJ_REF
@GV.BSAP_1_GROUP	BSAP_1.BSAP_GROUP	FIXED_OBJ_REF
@GV.BSAP_2_GROUP	BSAP_2.BSAP_GROUP	FIXED_OBJ_REF
@GV.BSAP_3_GROUP	BSAP_3.BSAP_GROUP	FIXED_OBJ_REF
@GV.BSAP_4_GROUP	BSAP_4.BSAP_GROUP	FIXED_OBJ_REF
@GV.BSAP_5_GROUP	BSAP_5.BSAP_GROUP	FIXED_OBJ_REF
@GV.BSAP_1_INACTIVITY_TMO	BSAP_1.LOGIN_TMOUT	FIXED_OBJ_REF
@GV.BSAP_2_INACTIVITY_TMO	BSAP_2.LOGIN_TMOUT	FIXED_OBJ_REF
@GV.BSAP_3_INACTIVITY_TMO	BSAP_3.LOGIN_TMOUT	FIXED_OBJ_REF
@GV.BSAP_4_INACTIVITY_TMO	BSAP_4.LOGIN_TMOUT	FIXED_OBJ_REF
USER1_FLOAT_1	User Data_1.FLOAT_1	FIXED_OBJ_REF
USER1_FLOAT_2	User Data_1.FLOAT_2	FIXED_OBJ_REF
USER1_FLOAT_3	User Data_1.FLOAT_3	FIXED_OBJ_REF
USER1_FLOAT_4	User Data_1.FLOAT_4	FIXED_OBJ_REF
USER1_FLOAT_5	User Data_1.FLOAT_5	FIXED_OBJ_REF
USER1_FLOAT_6	User Data_1.FLOAT_6	FIXED_OBJ_REF
USER1_FLOAT_7	User Data_1.FLOAT_7	FIXED_OBJ_REF
USER1_FLOAT_8	User Data_1.FLOAT_8	FIXED_OBJ_REF
USER1_FLOAT_9	User Data_1.FLOAT_9	FIXED_OBJ_REF
USER1_FLOAT_10	User Data_1.FLOAT_10	FIXED_OBJ_REF
USER1_FLOAT_11	User Data_1.FLOAT_11	FIXED_OBJ_REF
USER1_FLOAT_12	User Data_1.FLOAT_12	FIXED_OBJ_REF
USER1_FLOAT_13	User Data_1.FLOAT_13	FIXED_OBJ_REF
USER1_FLOAT_14	User Data_1.FLOAT_14	FIXED_OBJ_REF
USER1_FLOAT_15	User Data_1.FLOAT_15	FIXED_OBJ_REF
USER1_FLOAT_16	User Data_1.FLOAT_16	FIXED_OBJ_REF
USER1_FLOAT_17	User Data_1.FLOAT_17	FIXED_OBJ_REF
USER1_FLOAT_18	User Data_1.FLOAT_18	FIXED_OBJ_REF
USER1_FLOAT_19	User Data_1.FLOAT_19	FIXED_OBJ_REF
USER1_FLOAT_20	User Data_1.FLOAT_20	FIXED_OBJ_REF
USER1_DOUBLE_1	User Data_1.DOUBLE_1	FIXED_OBJ_REF
USER1_DOUBLE_2	User Data_1.DOUBLE_2	FIXED_OBJ_REF
USER1_DOUBLE_3	User Data_1.DOUBLE_3	FIXED_OBJ_REF
USER1_DOUBLE_4	User Data_1.DOUBLE_4	FIXED_OBJ_REF
USER1_DOUBLE_5	User Data_1.DOUBLE_5	FIXED_OBJ_REF
USER1_DOUBLE_6	User Data_1.DOUBLE_6	FIXED_OBJ_REF
USER1_DOUBLE_7	User Data_1.DOUBLE_7	FIXED_OBJ_REF
USER1_DOUBLE_8	User Data_1.DOUBLE_8	FIXED_OBJ_REF
USER1_DOUBLE_9	User Data_1.DOUBLE_9	FIXED_OBJ_REF
USER1_DOUBLE_10	User Data_1.DOUBLE_10	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER1_LONG_1	User Data_1.LONG_1	FIXED_OBJ_REF
USER1_LONG_2	User Data_1.LONG_2	FIXED_OBJ_REF
USER1_LONG_3	User Data_1.LONG_3	FIXED_OBJ_REF
USER1_LONG_4	User Data_1.LONG_4	FIXED_OBJ_REF
USER1_LONG_5	User Data_1.LONG_5	FIXED_OBJ_REF
USER1_LONG_6	User Data_1.LONG_6	FIXED_OBJ_REF
USER1_LONG_7	User Data_1.LONG_7	FIXED_OBJ_REF
USER1_LONG_8	User Data_1.LONG_8	FIXED_OBJ_REF
USER1_LONG_9	User Data_1.LONG_9	FIXED_OBJ_REF
USER1_LONG_10	User Data_1.LONG_10	FIXED_OBJ_REF
USER1_SHORT_1	User Data_1.SHORT_1	FIXED_OBJ_REF
USER1_SHORT_2	User Data_1.SHORT_2	FIXED_OBJ_REF
USER1_SHORT_3	User Data_1.SHORT_3	FIXED_OBJ_REF
USER1_SHORT_4	User Data_1.SHORT_4	FIXED_OBJ_REF
USER1_SHORT_5	User Data_1.SHORT_5	FIXED_OBJ_REF
USER1_SHORT_6	User Data_1.SHORT_6	FIXED_OBJ_REF
USER1_SHORT_7	User Data_1.SHORT_7	FIXED_OBJ_REF
USER1_SHORT_8	User Data_1.SHORT_8	FIXED_OBJ_REF
USER1_SHORT_9	User Data_1.SHORT_9	FIXED_OBJ_REF
USER1_SHORT_10	User Data_1.SHORT_10	FIXED_OBJ_REF
USER1_BYTE_1	User Data_1.BYTE_1	FIXED_OBJ_REF
USER1_BYTE_2	User Data_1.BYTE_2	FIXED_OBJ_REF
USER1_BYTE_3	User Data_1.BYTE_3	FIXED_OBJ_REF
USER1_BYTE_4	User Data_1.BYTE_4	FIXED_OBJ_REF
USER1_BYTE_5	User Data_1.BYTE_5	FIXED_OBJ_REF
USER1_BYTE_6	User Data_1.BYTE_6	FIXED_OBJ_REF
USER1_BYTE_7	User Data_1.BYTE_7	FIXED_OBJ_REF
USER1_BYTE_8	User Data_1.BYTE_8	FIXED_OBJ_REF
USER1_BYTE_9	User Data_1.BYTE_9	FIXED_OBJ_REF
USER1_BYTE_10	User Data_1.BYTE_10	FIXED_OBJ_REF
USER1_EVENT_LOG_OPT	User Data_1.EVENT_LOG_OPT	FIXED_OBJ_REF
USER2_FLOAT_1	User Data_2.FLOAT_1	FIXED_OBJ_REF
USER2_FLOAT_2	User Data_2.FLOAT_2	FIXED_OBJ_REF
USER2_FLOAT_3	User Data_2.FLOAT_3	FIXED_OBJ_REF
USER2_FLOAT_4	User Data_2.FLOAT_4	FIXED_OBJ_REF
USER2_FLOAT_5	User Data_2.FLOAT_5	FIXED_OBJ_REF
USER2_FLOAT_6	User Data_2.FLOAT_6	FIXED_OBJ_REF
USER2_FLOAT_7	User Data_2.FLOAT_7	FIXED_OBJ_REF
USER2_FLOAT_8	User Data_2.FLOAT_8	FIXED_OBJ_REF
USER2_FLOAT_9	User Data_2.FLOAT_9	FIXED_OBJ_REF
USER2_FLOAT_10	User Data_2.FLOAT_10	FIXED_OBJ_REF
USER2_FLOAT_11	User Data_2.FLOAT_11	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER2_FLOAT_12	User Data_2.FLOAT_12	FIXED_OBJ_REF
USER2_FLOAT_13	User Data_2.FLOAT_13	FIXED_OBJ_REF
USER2_FLOAT_14	User Data_2.FLOAT_14	FIXED_OBJ_REF
USER2_FLOAT_15	User Data_2.FLOAT_15	FIXED_OBJ_REF
USER2_FLOAT_16	User Data_2.FLOAT_16	FIXED_OBJ_REF
USER2_FLOAT_17	User Data_2.FLOAT_17	FIXED_OBJ_REF
USER2_FLOAT_18	User Data_2.FLOAT_18	FIXED_OBJ_REF
USER2_FLOAT_19	User Data_2.FLOAT_19	FIXED_OBJ_REF
USER2_FLOAT_20	User Data_2.FLOAT_20	FIXED_OBJ_REF
USER2_DOUBLE_1	User Data_2.DOUBLE_1	FIXED_OBJ_REF
USER2_DOUBLE_2	User Data_2.DOUBLE_2	FIXED_OBJ_REF
USER2_DOUBLE_3	User Data_2.DOUBLE_3	FIXED_OBJ_REF
USER2_DOUBLE_4	User Data_2.DOUBLE_4	FIXED_OBJ_REF
USER2_DOUBLE_5	User Data_2.DOUBLE_5	FIXED_OBJ_REF
USER2_DOUBLE_6	User Data_2.DOUBLE_6	FIXED_OBJ_REF
USER2_DOUBLE_7	User Data_2.DOUBLE_7	FIXED_OBJ_REF
USER2_DOUBLE_8	User Data_2.DOUBLE_8	FIXED_OBJ_REF
USER2_DOUBLE_9	User Data_2.DOUBLE_9	FIXED_OBJ_REF
USER2_DOUBLE_10	User Data_2.DOUBLE_10	FIXED_OBJ_REF
USER2_LONG_1	User Data_2.LONG_1	FIXED_OBJ_REF
USER2_LONG_2	User Data_2.LONG_2	FIXED_OBJ_REF
USER2_LONG_3	User Data_2.LONG_3	FIXED_OBJ_REF
USER2_LONG_4	User Data_2.LONG_4	FIXED_OBJ_REF
USER2_LONG_5	User Data_2.LONG_5	FIXED_OBJ_REF
USER2_LONG_6	User Data_2.LONG_6	FIXED_OBJ_REF
USER2_LONG_7	User Data_2.LONG_7	FIXED_OBJ_REF
USER2_LONG_8	User Data_2.LONG_8	FIXED_OBJ_REF
USER2_LONG_9	User Data_2.LONG_9	FIXED_OBJ_REF
USER2_LONG_10	User Data_2.LONG_10	FIXED_OBJ_REF
USER2_SHORT_1	User Data_2.SHORT_1	FIXED_OBJ_REF
USER2_SHORT_2	User Data_2.SHORT_2	FIXED_OBJ_REF
USER2_SHORT_3	User Data_2.SHORT_3	FIXED_OBJ_REF
USER2_SHORT_4	User Data_2.SHORT_4	FIXED_OBJ_REF
USER2_SHORT_5	User Data_2.SHORT_5	FIXED_OBJ_REF
USER2_SHORT_6	User Data_2.SHORT_6	FIXED_OBJ_REF
USER2_SHORT_7	User Data_2.SHORT_7	FIXED_OBJ_REF
USER2_SHORT_8	User Data_2.SHORT_8	FIXED_OBJ_REF
USER2_SHORT_9	User Data_2.SHORT_9	FIXED_OBJ_REF
USER2_SHORT_10	User Data_2.SHORT_10	FIXED_OBJ_REF
USER2_BYTE_1	User Data_2.BYTE_1	FIXED_OBJ_REF
USER2_BYTE_2	User Data_2.BYTE_2	FIXED_OBJ_REF
USER2_BYTE_3	User Data_2.BYTE_3	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER2_BYTE_4	User Data_2.BYTE_4	FIXED_OBJ_REF
USER2_BYTE_5	User Data_2.BYTE_5	FIXED_OBJ_REF
USER2_BYTE_6	User Data_2.BYTE_6	FIXED_OBJ_REF
USER2_BYTE_7	User Data_2.BYTE_7	FIXED_OBJ_REF
USER2_BYTE_8	User Data_2.BYTE_8	FIXED_OBJ_REF
USER2_BYTE_9	User Data_2.BYTE_9	FIXED_OBJ_REF
USER2_BYTE_10	User Data_2.BYTE_10	FIXED_OBJ_REF
USER2_EVENT_LOG_OPT	User Data_2.EVENT_LOG_OPT	FIXED_OBJ_REF
USER3_FLOAT_1	User Data_3.FLOAT_1	FIXED_OBJ_REF
USER3_FLOAT_2	User Data_3.FLOAT_2	FIXED_OBJ_REF
USER3_FLOAT_3	User Data_3.FLOAT_3	FIXED_OBJ_REF
USER3_FLOAT_4	User Data_3.FLOAT_4	FIXED_OBJ_REF
USER3_FLOAT_5	User Data_3.FLOAT_5	FIXED_OBJ_REF
USER3_FLOAT_6	User Data_3.FLOAT_6	FIXED_OBJ_REF
USER3_FLOAT_7	User Data_3.FLOAT_7	FIXED_OBJ_REF
USER3_FLOAT_8	User Data_3.FLOAT_8	FIXED_OBJ_REF
USER3_FLOAT_9	User Data_3.FLOAT_9	FIXED_OBJ_REF
USER3_FLOAT_10	User Data_3.FLOAT_10	FIXED_OBJ_REF
USER3_FLOAT_11	User Data_3.FLOAT_11	FIXED_OBJ_REF
USER3_FLOAT_12	User Data_3.FLOAT_12	FIXED_OBJ_REF
USER3_FLOAT_13	User Data_3.FLOAT_13	FIXED_OBJ_REF
USER3_FLOAT_14	User Data_3.FLOAT_14	FIXED_OBJ_REF
USER3_FLOAT_15	User Data_3.FLOAT_15	FIXED_OBJ_REF
USER3_FLOAT_16	User Data_3.FLOAT_16	FIXED_OBJ_REF
USER3_FLOAT_17	User Data_3.FLOAT_17	FIXED_OBJ_REF
USER3_FLOAT_18	User Data_3.FLOAT_18	FIXED_OBJ_REF
USER3_FLOAT_19	User Data_3.FLOAT_19	FIXED_OBJ_REF
USER3_FLOAT_20	User Data_3.FLOAT_20	FIXED_OBJ_REF
USER3_DOUBLE_1	User Data_3.DOUBLE_1	FIXED_OBJ_REF
USER3_DOUBLE_2	User Data_3.DOUBLE_2	FIXED_OBJ_REF
USER3_DOUBLE_3	User Data_3.DOUBLE_3	FIXED_OBJ_REF
USER3_DOUBLE_4	User Data_3.DOUBLE_4	FIXED_OBJ_REF
USER3_DOUBLE_5	User Data_3.DOUBLE_5	FIXED_OBJ_REF
USER3_DOUBLE_6	User Data_3.DOUBLE_6	FIXED_OBJ_REF
USER3_DOUBLE_7	User Data_3.DOUBLE_7	FIXED_OBJ_REF
USER3_DOUBLE_8	User Data_3.DOUBLE_8	FIXED_OBJ_REF
USER3_DOUBLE_9	User Data_3.DOUBLE_9	FIXED_OBJ_REF
USER3_DOUBLE_10	User Data_3.DOUBLE_10	FIXED_OBJ_REF
USER3_LONG_1	User Data_3.LONG_1	FIXED_OBJ_REF
USER3_LONG_2	User Data_3.LONG_2	FIXED_OBJ_REF
USER3_LONG_3	User Data_3.LONG_3	FIXED_OBJ_REF
USER3_LONG_4	User Data_3.LONG_4	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER3_LONG_5	User Data_3.LONG_5	FIXED_OBJ_REF
USER3_LONG_6	User Data_3.LONG_6	FIXED_OBJ_REF
USER3_LONG_7	User Data_3.LONG_7	FIXED_OBJ_REF
USER3_LONG_8	User Data_3.LONG_8	FIXED_OBJ_REF
USER3_LONG_9	User Data_3.LONG_9	FIXED_OBJ_REF
USER3_LONG_10	User Data_3.LONG_10	FIXED_OBJ_REF
USER3_SHORT_1	User Data_3.SHORT_1	FIXED_OBJ_REF
USER3_SHORT_2	User Data_3.SHORT_2	FIXED_OBJ_REF
USER3_SHORT_3	User Data_3.SHORT_3	FIXED_OBJ_REF
USER3_SHORT_4	User Data_3.SHORT_4	FIXED_OBJ_REF
USER3_SHORT_5	User Data_3.SHORT_5	FIXED_OBJ_REF
USER3_SHORT_6	User Data_3.SHORT_6	FIXED_OBJ_REF
USER3_SHORT_7	User Data_3.SHORT_7	FIXED_OBJ_REF
USER3_SHORT_8	User Data_3.SHORT_8	FIXED_OBJ_REF
USER3_SHORT_9	User Data_3.SHORT_9	FIXED_OBJ_REF
USER3_SHORT_10	User Data_3.SHORT_10	FIXED_OBJ_REF
USER3_BYTE_1	User Data_3.BYTE_1	FIXED_OBJ_REF
USER3_BYTE_2	User Data_3.BYTE_2	FIXED_OBJ_REF
USER3_BYTE_3	User Data_3.BYTE_3	FIXED_OBJ_REF
USER3_BYTE_4	User Data_3.BYTE_4	FIXED_OBJ_REF
USER3_BYTE_5	User Data_3.BYTE_5	FIXED_OBJ_REF
USER3_BYTE_6	User Data_3.BYTE_6	FIXED_OBJ_REF
USER3_BYTE_7	User Data_3.BYTE_7	FIXED_OBJ_REF
USER3_BYTE_8	User Data_3.BYTE_8	FIXED_OBJ_REF
USER3_BYTE_9	User Data_3.BYTE_9	FIXED_OBJ_REF
USER3_BYTE_10	User Data_3.BYTE_10	FIXED_OBJ_REF
USER3_EVENT_LOG_OPT	User Data_3.EVENT_LOG_OPT	FIXED_OBJ_REF
USER4_FLOAT_1	User Data_4.FLOAT_1	FIXED_OBJ_REF
USER4_FLOAT_2	User Data_4.FLOAT_2	FIXED_OBJ_REF
USER4_FLOAT_3	User Data_4.FLOAT_3	FIXED_OBJ_REF
USER4_FLOAT_4	User Data_4.FLOAT_4	FIXED_OBJ_REF
USER4_FLOAT_5	User Data_4.FLOAT_5	FIXED_OBJ_REF
USER4_FLOAT_6	User Data_4.FLOAT_6	FIXED_OBJ_REF
USER4_FLOAT_7	User Data_4.FLOAT_7	FIXED_OBJ_REF
USER4_FLOAT_8	User Data_4.FLOAT_8	FIXED_OBJ_REF
USER4_FLOAT_9	User Data_4.FLOAT_9	FIXED_OBJ_REF
USER4_FLOAT_10	User Data_4.FLOAT_10	FIXED_OBJ_REF
USER4_FLOAT_11	User Data_4.FLOAT_11	FIXED_OBJ_REF
USER4_FLOAT_12	User Data_4.FLOAT_12	FIXED_OBJ_REF
USER4_FLOAT_13	User Data_4.FLOAT_13	FIXED_OBJ_REF
USER4_FLOAT_14	User Data_4.FLOAT_14	FIXED_OBJ_REF
USER4_FLOAT_15	User Data_4.FLOAT_15	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER4_FLOAT_16	User Data_4.FLOAT_16	FIXED_OBJ_REF
USER4_FLOAT_17	User Data_4.FLOAT_17	FIXED_OBJ_REF
USER4_FLOAT_18	User Data_4.FLOAT_18	FIXED_OBJ_REF
USER4_FLOAT_19	User Data_4.FLOAT_19	FIXED_OBJ_REF
USER4_FLOAT_20	User Data_4.FLOAT_20	FIXED_OBJ_REF
USER4_DOUBLE_1	User Data_4.DOUBLE_1	FIXED_OBJ_REF
USER4_DOUBLE_2	User Data_4.DOUBLE_2	FIXED_OBJ_REF
USER4_DOUBLE_3	User Data_4.DOUBLE_3	FIXED_OBJ_REF
USER4_DOUBLE_4	User Data_4.DOUBLE_4	FIXED_OBJ_REF
USER4_DOUBLE_5	User Data_4.DOUBLE_5	FIXED_OBJ_REF
USER4_DOUBLE_6	User Data_4.DOUBLE_6	FIXED_OBJ_REF
USER4_DOUBLE_7	User Data_4.DOUBLE_7	FIXED_OBJ_REF
USER4_DOUBLE_8	User Data_4.DOUBLE_8	FIXED_OBJ_REF
USER4_DOUBLE_9	User Data_4.DOUBLE_9	FIXED_OBJ_REF
USER4_DOUBLE_10	User Data_4.DOUBLE_10	FIXED_OBJ_REF
USER4_LONG_1	User Data_4.LONG_1	FIXED_OBJ_REF
USER4_LONG_2	User Data_4.LONG_2	FIXED_OBJ_REF
USER4_LONG_3	User Data_4.LONG_3	FIXED_OBJ_REF
USER4_LONG_4	User Data_4.LONG_4	FIXED_OBJ_REF
USER4_LONG_5	User Data_4.LONG_5	FIXED_OBJ_REF
USER4_LONG_6	User Data_4.LONG_6	FIXED_OBJ_REF
USER4_LONG_7	User Data_4.LONG_7	FIXED_OBJ_REF
USER4_LONG_8	User Data_4.LONG_8	FIXED_OBJ_REF
USER4_LONG_9	User Data_4.LONG_9	FIXED_OBJ_REF
USER4_LONG_10	User Data_4.LONG_10	FIXED_OBJ_REF
USER4_SHORT_1	User Data_4.SHORT_1	FIXED_OBJ_REF
USER4_SHORT_2	User Data_4.SHORT_2	FIXED_OBJ_REF
USER4_SHORT_3	User Data_4.SHORT_3	FIXED_OBJ_REF
USER4_SHORT_4	User Data_4.SHORT_4	FIXED_OBJ_REF
USER4_SHORT_5	User Data_4.SHORT_5	FIXED_OBJ_REF
USER4_SHORT_6	User Data_4.SHORT_6	FIXED_OBJ_REF
USER4_SHORT_7	User Data_4.SHORT_7	FIXED_OBJ_REF
USER4_SHORT_8	User Data_4.SHORT_8	FIXED_OBJ_REF
USER4_SHORT_9	User Data_4.SHORT_9	FIXED_OBJ_REF
USER4_SHORT_10	User Data_4.SHORT_10	FIXED_OBJ_REF
USER4_BYTE_1	User Data_4.BYTE_1	FIXED_OBJ_REF
USER4_BYTE_2	User Data_4.BYTE_2	FIXED_OBJ_REF
USER4_BYTE_3	User Data_4.BYTE_3	FIXED_OBJ_REF
USER4_BYTE_4	User Data_4.BYTE_4	FIXED_OBJ_REF
USER4_BYTE_5	User Data_4.BYTE_5	FIXED_OBJ_REF
USER4_BYTE_6	User Data_4.BYTE_6	FIXED_OBJ_REF
USER4_BYTE_7	User Data_4.BYTE_7	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER4_BYTE_8	User Data_4.BYTE_8	FIXED_OBJ_REF
USER4_BYTE_9	User Data_4.BYTE_9	FIXED_OBJ_REF
USER4_BYTE_10	User Data_4.BYTE_10	FIXED_OBJ_REF
USER4_EVENT_LOG_OPT	User Data_4.EVENT_LOG_OPT	FIXED_OBJ_REF
USER5_FLOAT_1	User Data_5.FLOAT_1	FIXED_OBJ_REF
USER5_FLOAT_2	User Data_5.FLOAT_2	FIXED_OBJ_REF
USER5_FLOAT_3	User Data_5.FLOAT_3	FIXED_OBJ_REF
USER5_FLOAT_4	User Data_5.FLOAT_4	FIXED_OBJ_REF
USER5_FLOAT_5	User Data_5.FLOAT_5	FIXED_OBJ_REF
USER5_FLOAT_6	User Data_5.FLOAT_6	FIXED_OBJ_REF
USER5_FLOAT_7	User Data_5.FLOAT_7	FIXED_OBJ_REF
USER5_FLOAT_8	User Data_5.FLOAT_8	FIXED_OBJ_REF
USER5_FLOAT_9	User Data_5.FLOAT_9	FIXED_OBJ_REF
USER5_FLOAT_10	User Data_5.FLOAT_10	FIXED_OBJ_REF
USER5_FLOAT_11	User Data_5.FLOAT_11	FIXED_OBJ_REF
USER5_FLOAT_12	User Data_5.FLOAT_12	FIXED_OBJ_REF
USER5_FLOAT_13	User Data_5.FLOAT_13	FIXED_OBJ_REF
USER5_FLOAT_14	User Data_5.FLOAT_14	FIXED_OBJ_REF
USER5_FLOAT_15	User Data_5.FLOAT_15	FIXED_OBJ_REF
USER5_FLOAT_16	User Data_5.FLOAT_16	FIXED_OBJ_REF
USER5_FLOAT_17	User Data_5.FLOAT_17	FIXED_OBJ_REF
USER5_FLOAT_18	User Data_5.FLOAT_18	FIXED_OBJ_REF
USER5_FLOAT_19	User Data_5.FLOAT_19	FIXED_OBJ_REF
USER5_FLOAT_20	User Data_5.FLOAT_20	FIXED_OBJ_REF
USER5_DOUBLE_1	User Data_5.DOUBLE_1	FIXED_OBJ_REF
USER5_DOUBLE_2	User Data_5.DOUBLE_2	FIXED_OBJ_REF
USER5_DOUBLE_3	User Data_5.DOUBLE_3	FIXED_OBJ_REF
USER5_DOUBLE_4	User Data_5.DOUBLE_4	FIXED_OBJ_REF
USER5_DOUBLE_5	User Data_5.DOUBLE_5	FIXED_OBJ_REF
USER5_DOUBLE_6	User Data_5.DOUBLE_6	FIXED_OBJ_REF
USER5_DOUBLE_7	User Data_5.DOUBLE_7	FIXED_OBJ_REF
USER5_DOUBLE_8	User Data_5.DOUBLE_8	FIXED_OBJ_REF
USER5_DOUBLE_9	User Data_5.DOUBLE_9	FIXED_OBJ_REF
USER5_DOUBLE_10	User Data_5.DOUBLE_10	FIXED_OBJ_REF
USER5_LONG_1	User Data_5.LONG_1	FIXED_OBJ_REF
USER5_LONG_2	User Data_5.LONG_2	FIXED_OBJ_REF
USER5_LONG_3	User Data_5.LONG_3	FIXED_OBJ_REF
USER5_LONG_4	User Data_5.LONG_4	FIXED_OBJ_REF
USER5_LONG_5	User Data_5.LONG_5	FIXED_OBJ_REF
USER5_LONG_6	User Data_5.LONG_6	FIXED_OBJ_REF
USER5_LONG_7	User Data_5.LONG_7	FIXED_OBJ_REF
USER5_LONG_8	User Data_5.LONG_8	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER5_LONG_9	User Data_5.LONG_9	FIXED_OBJ_REF
USER5_LONG_10	User Data_5.LONG_10	FIXED_OBJ_REF
USER5_SHORT_1	User Data_5.SHORT_1	FIXED_OBJ_REF
USER5_SHORT_2	User Data_5.SHORT_2	FIXED_OBJ_REF
USER5_SHORT_3	User Data_5.SHORT_3	FIXED_OBJ_REF
USER5_SHORT_4	User Data_5.SHORT_4	FIXED_OBJ_REF
USER5_SHORT_5	User Data_5.SHORT_5	FIXED_OBJ_REF
USER5_SHORT_6	User Data_5.SHORT_6	FIXED_OBJ_REF
USER5_SHORT_7	User Data_5.SHORT_7	FIXED_OBJ_REF
USER5_SHORT_8	User Data_5.SHORT_8	FIXED_OBJ_REF
USER5_SHORT_9	User Data_5.SHORT_9	FIXED_OBJ_REF
USER5_SHORT_10	User Data_5.SHORT_10	FIXED_OBJ_REF
USER5_BYTE_1	User Data_5.BYTE_1	FIXED_OBJ_REF
USER5_BYTE_2	User Data_5.BYTE_2	FIXED_OBJ_REF
USER5_BYTE_3	User Data_5.BYTE_3	FIXED_OBJ_REF
USER5_BYTE_4	User Data_5.BYTE_4	FIXED_OBJ_REF
USER5_BYTE_5	User Data_5.BYTE_5	FIXED_OBJ_REF
USER5_BYTE_6	User Data_5.BYTE_6	FIXED_OBJ_REF
USER5_BYTE_7	User Data_5.BYTE_7	FIXED_OBJ_REF
USER5_BYTE_8	User Data_5.BYTE_8	FIXED_OBJ_REF
USER5_BYTE_9	User Data_5.BYTE_9	FIXED_OBJ_REF
USER5_BYTE_10	User Data_5.BYTE_10	FIXED_OBJ_REF
USER5_EVENT_LOG_OPT	User Data_5.EVENT_LOG_OPT	FIXED_OBJ_REF
USER6_FLOAT_1	User Data_6.FLOAT_1	FIXED_OBJ_REF
USER6_FLOAT_2	User Data_6.FLOAT_2	FIXED_OBJ_REF
USER6_FLOAT_3	User Data_6.FLOAT_3	FIXED_OBJ_REF
USER6_FLOAT_4	User Data_6.FLOAT_4	FIXED_OBJ_REF
USER6_FLOAT_5	User Data_6.FLOAT_5	FIXED_OBJ_REF
USER6_FLOAT_6	User Data_6.FLOAT_6	FIXED_OBJ_REF
USER6_FLOAT_7	User Data_6.FLOAT_7	FIXED_OBJ_REF
USER6_FLOAT_8	User Data_6.FLOAT_8	FIXED_OBJ_REF
USER6_FLOAT_9	User Data_6.FLOAT_9	FIXED_OBJ_REF
USER6_FLOAT_10	User Data_6.FLOAT_10	FIXED_OBJ_REF
USER6_FLOAT_11	User Data_6.FLOAT_11	FIXED_OBJ_REF
USER6_FLOAT_12	User Data_6.FLOAT_12	FIXED_OBJ_REF
USER6_FLOAT_13	User Data_6.FLOAT_13	FIXED_OBJ_REF
USER6_FLOAT_14	User Data_6.FLOAT_14	FIXED_OBJ_REF
USER6_FLOAT_15	User Data_6.FLOAT_15	FIXED_OBJ_REF
USER6_FLOAT_16	User Data_6.FLOAT_16	FIXED_OBJ_REF
USER6_FLOAT_17	User Data_6.FLOAT_17	FIXED_OBJ_REF
USER6_FLOAT_18	User Data_6.FLOAT_18	FIXED_OBJ_REF
USER6_FLOAT_19	User Data_6.FLOAT_19	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER6_FLOAT_20	User Data_6.FLOAT_20	FIXED_OBJ_REF
USER6_DOUBLE_1	User Data_6.DOUBLE_1	FIXED_OBJ_REF
USER6_DOUBLE_2	User Data_6.DOUBLE_2	FIXED_OBJ_REF
USER6_DOUBLE_3	User Data_6.DOUBLE_3	FIXED_OBJ_REF
USER6_DOUBLE_4	User Data_6.DOUBLE_4	FIXED_OBJ_REF
USER6_DOUBLE_5	User Data_6.DOUBLE_5	FIXED_OBJ_REF
USER6_DOUBLE_6	User Data_6.DOUBLE_6	FIXED_OBJ_REF
USER6_DOUBLE_7	User Data_6.DOUBLE_7	FIXED_OBJ_REF
USER6_DOUBLE_8	User Data_6.DOUBLE_8	FIXED_OBJ_REF
USER6_DOUBLE_9	User Data_6.DOUBLE_9	FIXED_OBJ_REF
USER6_DOUBLE_10	User Data_6.DOUBLE_10	FIXED_OBJ_REF
USER6_LONG_1	User Data_6.LONG_1	FIXED_OBJ_REF
USER6_LONG_2	User Data_6.LONG_2	FIXED_OBJ_REF
USER6_LONG_3	User Data_6.LONG_3	FIXED_OBJ_REF
USER6_LONG_4	User Data_6.LONG_4	FIXED_OBJ_REF
USER6_LONG_5	User Data_6.LONG_5	FIXED_OBJ_REF
USER6_LONG_6	User Data_6.LONG_6	FIXED_OBJ_REF
USER6_LONG_7	User Data_6.LONG_7	FIXED_OBJ_REF
USER6_LONG_8	User Data_6.LONG_8	FIXED_OBJ_REF
USER6_LONG_9	User Data_6.LONG_9	FIXED_OBJ_REF
USER6_LONG_10	User Data_6.LONG_10	FIXED_OBJ_REF
USER6_SHORT_1	User Data_6.SHORT_1	FIXED_OBJ_REF
USER6_SHORT_2	User Data_6.SHORT_2	FIXED_OBJ_REF
USER6_SHORT_3	User Data_6.SHORT_3	FIXED_OBJ_REF
USER6_SHORT_4	User Data_6.SHORT_4	FIXED_OBJ_REF
USER6_SHORT_5	User Data_6.SHORT_5	FIXED_OBJ_REF
USER6_SHORT_6	User Data_6.SHORT_6	FIXED_OBJ_REF
USER6_SHORT_7	User Data_6.SHORT_7	FIXED_OBJ_REF
USER6_SHORT_8	User Data_6.SHORT_8	FIXED_OBJ_REF
USER6_SHORT_9	User Data_6.SHORT_9	FIXED_OBJ_REF
USER6_SHORT_10	User Data_6.SHORT_10	FIXED_OBJ_REF
USER6_BYTE_1	User Data_6.BYTE_1	FIXED_OBJ_REF
USER6_BYTE_2	User Data_6.BYTE_2	FIXED_OBJ_REF
USER6_BYTE_3	User Data_6.BYTE_3	FIXED_OBJ_REF
USER6_BYTE_4	User Data_6.BYTE_4	FIXED_OBJ_REF
USER6_BYTE_5	User Data_6.BYTE_5	FIXED_OBJ_REF
USER6_BYTE_6	User Data_6.BYTE_6	FIXED_OBJ_REF
USER6_BYTE_7	User Data_6.BYTE_7	FIXED_OBJ_REF
USER6_BYTE_8	User Data_6.BYTE_8	FIXED_OBJ_REF
USER6_BYTE_9	User Data_6.BYTE_9	FIXED_OBJ_REF
USER6_BYTE_10	User Data_6.BYTE_10	FIXED_OBJ_REF
USER6_EVENT_LOG_OPT	User Data_6.EVENT_LOG_OPT	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER7_FLOAT_1	User Data_7.FLOAT_1	FIXED_OBJ_REF
USER7_FLOAT_2	User Data_7.FLOAT_2	FIXED_OBJ_REF
USER7_FLOAT_3	User Data_7.FLOAT_3	FIXED_OBJ_REF
USER7_FLOAT_4	User Data_7.FLOAT_4	FIXED_OBJ_REF
USER7_FLOAT_5	User Data_7.FLOAT_5	FIXED_OBJ_REF
USER7_FLOAT_6	User Data_7.FLOAT_6	FIXED_OBJ_REF
USER7_FLOAT_7	User Data_7.FLOAT_7	FIXED_OBJ_REF
USER7_FLOAT_8	User Data_7.FLOAT_8	FIXED_OBJ_REF
USER7_FLOAT_9	User Data_7.FLOAT_9	FIXED_OBJ_REF
USER7_FLOAT_10	User Data_7.FLOAT_10	FIXED_OBJ_REF
USER7_FLOAT_11	User Data_7.FLOAT_11	FIXED_OBJ_REF
USER7_FLOAT_12	User Data_7.FLOAT_12	FIXED_OBJ_REF
USER7_FLOAT_13	User Data_7.FLOAT_13	FIXED_OBJ_REF
USER7_FLOAT_14	User Data_7.FLOAT_14	FIXED_OBJ_REF
USER7_FLOAT_15	User Data_7.FLOAT_15	FIXED_OBJ_REF
USER7_FLOAT_16	User Data_7.FLOAT_16	FIXED_OBJ_REF
USER7_FLOAT_17	User Data_7.FLOAT_17	FIXED_OBJ_REF
USER7_FLOAT_18	User Data_7.FLOAT_18	FIXED_OBJ_REF
USER7_FLOAT_19	User Data_7.FLOAT_19	FIXED_OBJ_REF
USER7_FLOAT_20	User Data_7.FLOAT_20	FIXED_OBJ_REF
USER7_DOUBLE_1	User Data_7.DOUBLE_1	FIXED_OBJ_REF
USER7_DOUBLE_2	User Data_7.DOUBLE_2	FIXED_OBJ_REF
USER7_DOUBLE_3	User Data_7.DOUBLE_3	FIXED_OBJ_REF
USER7_DOUBLE_4	User Data_7.DOUBLE_4	FIXED_OBJ_REF
USER7_DOUBLE_5	User Data_7.DOUBLE_5	FIXED_OBJ_REF
USER7_DOUBLE_6	User Data_7.DOUBLE_6	FIXED_OBJ_REF
USER7_DOUBLE_7	User Data_7.DOUBLE_7	FIXED_OBJ_REF
USER7_DOUBLE_8	User Data_7.DOUBLE_8	FIXED_OBJ_REF
USER7_DOUBLE_9	User Data_7.DOUBLE_9	FIXED_OBJ_REF
USER7_DOUBLE_10	User Data_7.DOUBLE_10	FIXED_OBJ_REF
USER7_LONG_1	User Data_7.LONG_1	FIXED_OBJ_REF
USER7_LONG_2	User Data_7.LONG_2	FIXED_OBJ_REF
USER7_LONG_3	User Data_7.LONG_3	FIXED_OBJ_REF
USER7_LONG_4	User Data_7.LONG_4	FIXED_OBJ_REF
USER7_LONG_5	User Data_7.LONG_5	FIXED_OBJ_REF
USER7_LONG_6	User Data_7.LONG_6	FIXED_OBJ_REF
USER7_LONG_7	User Data_7.LONG_7	FIXED_OBJ_REF
USER7_LONG_8	User Data_7.LONG_8	FIXED_OBJ_REF
USER7_LONG_9	User Data_7.LONG_9	FIXED_OBJ_REF
USER7_LONG_10	User Data_7.LONG_10	FIXED_OBJ_REF
USER7_SHORT_1	User Data_7.SHORT_1	FIXED_OBJ_REF
USER7_SHORT_2	User Data_7.SHORT_2	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER7_SHORT_3	User Data_7.SHORT_3	FIXED_OBJ_REF
USER7_SHORT_4	User Data_7.SHORT_4	FIXED_OBJ_REF
USER7_SHORT_5	User Data_7.SHORT_5	FIXED_OBJ_REF
USER7_SHORT_6	User Data_7.SHORT_6	FIXED_OBJ_REF
USER7_SHORT_7	User Data_7.SHORT_7	FIXED_OBJ_REF
USER7_SHORT_8	User Data_7.SHORT_8	FIXED_OBJ_REF
USER7_SHORT_9	User Data_7.SHORT_9	FIXED_OBJ_REF
USER7_SHORT_10	User Data_7.SHORT_10	FIXED_OBJ_REF
USER7_BYTE_1	User Data_7.BYTE_1	FIXED_OBJ_REF
USER7_BYTE_2	User Data_7.BYTE_2	FIXED_OBJ_REF
USER7_BYTE_3	User Data_7.BYTE_3	FIXED_OBJ_REF
USER7_BYTE_4	User Data_7.BYTE_4	FIXED_OBJ_REF
USER7_BYTE_5	User Data_7.BYTE_5	FIXED_OBJ_REF
USER7_BYTE_6	User Data_7.BYTE_6	FIXED_OBJ_REF
USER7_BYTE_7	User Data_7.BYTE_7	FIXED_OBJ_REF
USER7_BYTE_8	User Data_7.BYTE_8	FIXED_OBJ_REF
USER7_BYTE_9	User Data_7.BYTE_9	FIXED_OBJ_REF
USER7_BYTE_10	User Data_7.BYTE_10	FIXED_OBJ_REF
USER7_EVENT_LOG_OPT	User Data_7.EVENT_LOG_OPT	FIXED_OBJ_REF
USER8_FLOAT_1	User Data_8.FLOAT_1	FIXED_OBJ_REF
USER8_FLOAT_2	User Data_8.FLOAT_2	FIXED_OBJ_REF
USER8_FLOAT_3	User Data_8.FLOAT_3	FIXED_OBJ_REF
USER8_FLOAT_4	User Data_8.FLOAT_4	FIXED_OBJ_REF
USER8_FLOAT_5	User Data_8.FLOAT_5	FIXED_OBJ_REF
USER8_FLOAT_6	User Data_8.FLOAT_6	FIXED_OBJ_REF
USER8_FLOAT_7	User Data_8.FLOAT_7	FIXED_OBJ_REF
USER8_FLOAT_8	User Data_8.FLOAT_8	FIXED_OBJ_REF
USER8_FLOAT_9	User Data_8.FLOAT_9	FIXED_OBJ_REF
USER8_FLOAT_10	User Data_8.FLOAT_10	FIXED_OBJ_REF
USER8_FLOAT_11	User Data_8.FLOAT_11	FIXED_OBJ_REF
USER8_FLOAT_12	User Data_8.FLOAT_12	FIXED_OBJ_REF
USER8_FLOAT_13	User Data_8.FLOAT_13	FIXED_OBJ_REF
USER8_FLOAT_14	User Data_8.FLOAT_14	FIXED_OBJ_REF
USER8_FLOAT_15	User Data_8.FLOAT_15	FIXED_OBJ_REF
USER8_FLOAT_16	User Data_8.FLOAT_16	FIXED_OBJ_REF
USER8_FLOAT_17	User Data_8.FLOAT_17	FIXED_OBJ_REF
USER8_FLOAT_18	User Data_8.FLOAT_18	FIXED_OBJ_REF
USER8_FLOAT_19	User Data_8.FLOAT_19	FIXED_OBJ_REF
USER8_FLOAT_20	User Data_8.FLOAT_20	FIXED_OBJ_REF
USER8_DOUBLE_1	User Data_8.DOUBLE_1	FIXED_OBJ_REF
USER8_DOUBLE_2	User Data_8.DOUBLE_2	FIXED_OBJ_REF
USER8_DOUBLE_3	User Data_8.DOUBLE_3	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
USER8_DOUBLE_4	User Data_8.DOUBLE_4	FIXED_OBJ_REF
USER8_DOUBLE_5	User Data_8.DOUBLE_5	FIXED_OBJ_REF
USER8_DOUBLE_6	User Data_8.DOUBLE_6	FIXED_OBJ_REF
USER8_DOUBLE_7	User Data_8.DOUBLE_7	FIXED_OBJ_REF
USER8_DOUBLE_8	User Data_8.DOUBLE_8	FIXED_OBJ_REF
USER8_DOUBLE_9	User Data_8.DOUBLE_9	FIXED_OBJ_REF
USER8_DOUBLE_10	User Data_8.DOUBLE_10	FIXED_OBJ_REF
USER8_LONG_1	User Data_8.LONG_1	FIXED_OBJ_REF
USER8_LONG_2	User Data_8.LONG_2	FIXED_OBJ_REF
USER8_LONG_3	User Data_8.LONG_3	FIXED_OBJ_REF
USER8_LONG_4	User Data_8.LONG_4	FIXED_OBJ_REF
USER8_LONG_5	User Data_8.LONG_5	FIXED_OBJ_REF
USER8_LONG_6	User Data_8.LONG_6	FIXED_OBJ_REF
USER8_LONG_7	User Data_8.LONG_7	FIXED_OBJ_REF
USER8_LONG_8	User Data_8.LONG_8	FIXED_OBJ_REF
USER8_LONG_9	User Data_8.LONG_9	FIXED_OBJ_REF
USER8_LONG_10	User Data_8.LONG_10	FIXED_OBJ_REF
USER8_SHORT_1	User Data_8.SHORT_1	FIXED_OBJ_REF
USER8_SHORT_2	User Data_8.SHORT_2	FIXED_OBJ_REF
USER8_SHORT_3	User Data_8.SHORT_3	FIXED_OBJ_REF
USER8_SHORT_4	User Data_8.SHORT_4	FIXED_OBJ_REF
USER8_SHORT_5	User Data_8.SHORT_5	FIXED_OBJ_REF
USER8_SHORT_6	User Data_8.SHORT_6	FIXED_OBJ_REF
USER8_SHORT_7	User Data_8.SHORT_7	FIXED_OBJ_REF
USER8_SHORT_8	User Data_8.SHORT_8	FIXED_OBJ_REF
USER8_SHORT_9	User Data_8.SHORT_9	FIXED_OBJ_REF
USER8_SHORT_10	User Data_8.SHORT_10	FIXED_OBJ_REF
USER8_BYTE_1	User Data_8.BYTE_1	FIXED_OBJ_REF
USER8_BYTE_2	User Data_8.BYTE_2	FIXED_OBJ_REF
USER8_BYTE_3	User Data_8.BYTE_3	FIXED_OBJ_REF
USER8_BYTE_4	User Data_8.BYTE_4	FIXED_OBJ_REF
USER8_BYTE_5	User Data_8.BYTE_5	FIXED_OBJ_REF
USER8_BYTE_6	User Data_8.BYTE_6	FIXED_OBJ_REF
USER8_BYTE_7	User Data_8.BYTE_7	FIXED_OBJ_REF
USER8_BYTE_8	User Data_8.BYTE_8	FIXED_OBJ_REF
USER8_BYTE_9	User Data_8.BYTE_9	FIXED_OBJ_REF
USER8_BYTE_10	User Data_8.BYTE_10	FIXED_OBJ_REF
USER8_EVENT_LOG_OPT	User Data_8.EVENT_LOG_OPT	FIXED_OBJ_REF
@GV.BSAP_1_REQUIRE_LOGIN	BSAP_1.REQUIRE_LOGIN	FIXED_OBJ_REF
@GV.BSAP_2_REQUIRE_LOGIN	BSAP_2.REQUIRE_LOGIN	FIXED_OBJ_REF
@GV.BSAP_3_REQUIRE_LOGIN	BSAP_3.REQUIRE_LOGIN	FIXED_OBJ_REF
@GV.BSAP_4_REQUIRE_LOGIN	BSAP_4.REQUIRE_LOGIN	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.BSAP_5_REQUIRE_LOGIN	BSAP_5.REQUIRE_LOGIN	FIXED_OBJ_REF
@GV.BSAP_1_ARCH_TS_MODE	BSAP_1.ARCH_TS_MODE	FIXED_OBJ_REF
@GV.BSAP_2_ARCH_TS_MODE	BSAP_2.ARCH_TS_MODE	FIXED_OBJ_REF
@GV.BSAP_3_ARCH_TS_MODE	BSAP_3.ARCH_TS_MODE	FIXED_OBJ_REF
@GV.BSAP_4_ARCH_TS_MODE	BSAP_4.ARCH_TS_MODE	FIXED_OBJ_REF
@GV.R2_SFREQ_Count	PI_1-2.PULSE_ACCUM	FIXED_OBJ_REF
@GV.R2_SFREQ_MO_Value	PI_1-2.OVRD_FREQ	FIXED_OBJ_REF
@GV.R2_SFREQ_Units	PI_1-2.UNITS	FIXED_OBJ_REF
@GV.R2_SPULSE_ACCUM	PI_1-2.PULSE_DAY_ACCUM_64	FIXED_OBJ_REF
@GV.R2_SPULSE_TODAY	PI_1-2.TODAYS_TOTAL	FIXED_OBJ_REF
The following analog variables require firmware version 2.5.0 or newer:		
@GV.TIME_002	Clock_1.YEAR	FIXED_OBJ_REF
@GV.TIME_003	Clock_1.MONTH	FIXED_OBJ_REF
@GV.TIME_004	Clock_1.DAY	FIXED_OBJ_REF
@GV.TIME_005	Clock_1.HOUR	FIXED_OBJ_REF
@GV.TIME_006	Clock_1.MINUTE	FIXED_OBJ_REF
@GV.TIME_007	Clock_1.SECOND	FIXED_OBJ_REF
@GV.R1_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ
@GV.R1_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ
@GV.R1_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ
@GV.R1_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ
@GV.R1_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ
@GV.R1_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ
@GV.R2_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ
@GV.R2_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ
@GV.R2_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ
@GV.R2_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ
@GV.R2_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ
@GV.R2_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ
@GV.R1_APPLY_COMP	Components_1.APPLY_COMP	FIXED_OBJ_REF
@GV.R2_APPLY_COMP	Components_2.APPLY_COMP	FIXED_OBJ_REF
@GV.GC_S2_Fixed_N2	Components_2.N2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_CO2	Components_2.CO2_OVRD	FIXED_OBJ_REF
@GV.GV_S2_Fixed_C2	Components_2.C2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_C3	Components_2.C3_OVRD	FIXED_OBJ_REF
@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF
@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF
@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF
@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF
@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_IC4	Components_2.IC4_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC4	Components_2.NC4_OVRD	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.GC_S2_Fixed_IC5	Components_2.IC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC5	Components_2.NC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC6	Components_2.C6_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC7	Components_2.C7_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC8	Components_2.C8_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC9	Components_1.C9_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC9	Components_2.C9_OVRD	FIXED_OBJ_REF
@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF
@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NC10	Components_1.C10_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NC10	Components_2.C10_OVRD	FIXED_OBJ_REF
@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF
@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_NeoC5	Components_1.NEOC5_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_NeoC5	Components_2.NEOC5_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_BENZENE	Components_1.BENZENE_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_BENZENE	Components_2.BENZENE_OVRD	FIXED_OBJ_REF
@GV.GC_S1_Fixed_TOLUENE	Components_1.TOLUENE_OVRD	FIXED_OBJ_REF
@GV.GC_S2_Fixed_TOLUENE	Components_2.TOLUENE_OVRD	FIXED_OBJ_REF
The following analog variables require firmware version 2.11.0 or newer:		
@GV._TIME_002	CLOCK_1.YEAR	FIXED_OBJ_REF
@GV._TIME_003	CLOCK_1.MONTH	FIXED_OBJ_REF
@GV._TIME_004	CLOCK_1.DAY	FIXED_OBJ_REF
@GV._TIME_005	CLOCK_1.HOUR	FIXED_OBJ_REF
@GV._TIME_006	CLOCK_1.MINUTE	FIXED_OBJ_REF
@GV._TIME_007	CLOCK_1.SECOND	FIXED_OBJ_REF
FIXED ALARMS		
@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ
@GV.ALARM_36	#	#
@GV.ALARM_37	#	#
@GV.ALARM_45	#	#
@GV.ALARM_38	#	#
@GV.ALARM_44	#	#
@GV.ALARM_43	#	#
@GV.PI4_SELECTED_FREQ	PI_1-4.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI5_SELECTED_FREQ	PI_1-5.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI2_SELECTED_FREQ	PI_1-2.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI3_SELECTED_FREQ	PI_1-3.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI7_SELECTED_FREQ	PI_1-7.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI8_SELECTED_FREQ	PI_1-8.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI6_SELECTED_FREQ	PI_1-6.SELECTED_FREQ	FIXED_OBJ_REF
@GV.ST1_FLOW_RATE	Station_1.SVOL_RATE	FIXED_OBJ_REF

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.ST1_FCFLOW_RATE	Station_1.SVOL_RATE	FIXED_OBJ_REF
@GV.PI1_SELECTED_FREQ	PI_1-1.SELECTED_FREQ	FIXED_OBJ_REF
@GV.PI9_SELECTED_FREQ	PI_1-9.SELECTED_FREQ	FIXED_OBJ_REF
@GV.R2_FTEMP	RTD_1-2.SELECTED	FIXED_OBJ_REF
@GV.R2_SP	Press_1-2.SELECTED	FIXED_OBJ_REF
@GV.R2_DP	DP_1-2.SELECTED	FIXED_OBJ_REF
@GV.R1_FTEMP	RTD_1-1.SELECTED	FIXED_OBJ_REF
@GV.PI10_SELECTED_FREQ	PI_1-10.SELECTED_FREQ	FIXED_OBJ_REF
@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ
@GV.ALARM_39	#	#
@GV.ALARM_40	#	#
@GV.ALARM_42	#	#
@GV.AI7_SELECTED	AI_1-7.SELECTED	FIXED_OBJ_REF
@GV.ALARM_41	#	#
@GV.R1_DP	DP_1-1.SELECTED	FIXED_OBJ_REF
@GV.R1_SP	Press_1-1.SELECTED	FIXED_OBJ_REF
@GV.AI8_SELECTED	AI_1-8.SELECTED	FIXED_OBJ_REF
@GV.R3_DP	DP_1-3.SELECTED	FIXED_OBJ_REF
@GV.R3_SP	Press_1-3.SELECTED	FIXED_OBJ_REF
@GV.R3_FTEMP	RTD_1-3.SELECTED	FIXED_OBJ_REF
@GV.ST2_FLOW_RATE	Station_2.SVOL_RATE	FIXED_OBJ_REF
@GV.BATT_VAL	System Pwr_1.BATT_VAL	FIXED_OBJ_REF
@GV.EXT_VOLT_VAL	System Pwr_1.EXT_VOLT_VAL	FIXED_OBJ_REF
@GV.R1_LNRFLOW_RATE	SVOL_RATE	Linear_Mtr
@GV.R2_LNRFLOW_RATE	SVOL_RATE	Linear_Mtr
@GV.AI1_SELECTED	AI_1-1.SELECTED	FIXED_OBJ_REF
@GV.AI2_SELECTED	AI_1-2.SELECTED	FIXED_OBJ_REF
@GV.AI3_SELECTED	AI_1-3.SELECTED	FIXED_OBJ_REF
@GV.AI4_SELECTED	AI_1-4.SELECTED	FIXED_OBJ_REF
@GV.AI5_SELECTED	AI_1-5.SELECTED	FIXED_OBJ_REF
@GV.AI6_SELECTED	AI_1-6.SELECTED	FIXED_OBJ_REF
@GV.AO1_SELECTED	AO_1-1.SELECTED	FIXED_OBJ_REF
@GV.AO2_SELECTED	AO_1-2.SELECTED	FIXED_OBJ_REF
@GV.AO3_SELECTED	AO_1-3.SELECTED	FIXED_OBJ_REF
@GV.AO4_SELECTED	AO_1-4.SELECTED	FIXED_OBJ_REF
@GV.AO5_SELECTED	AO_1-5.SELECTED	FIXED_OBJ_REF
@GV.AO6_SELECTED	AO_1-6.SELECTED	FIXED_OBJ_REF
@GV.AO7_SELECTED	AO_1-7.SELECTED	FIXED_OBJ_REF
@GV.AO8_SELECTED	AO_1-8.SELECTED	FIXED_OBJ_REF
LOGICALS		
#ON..	#	#
@GV.R1_LSC_Enable	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_LSC_Filter	#	#
@GV.R1_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ
@GV.R1_SENSROTOR_MO	#	#
@GV.R1_MAINROTOR_MO	#	#
@GV.R1_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ
@GV.SIG_1_NAME_FORMAT	BSAP_1.SIG_NAME_FORMAT	FIXED_OBJ_REF
@GV.SIG_2_NAME_FORMAT	BSAP_2.SIG_NAME_FORMAT	FIXED_OBJ_REF
@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr
@GV.R1_TAP_TYPE	PRESS_TYPE	DP_Mtr
@GV.R1_POINT	PRESS_LOC	DP_Mtr
@GV.R1_DP_MO	DP_OBJ.USER_MODE	DP_Mtr
@GV.R1_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr
@GV.R1_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R1_SP_INP_Alarm_Enable	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R2_LSC_Enable	#	#
@GV.R2_LSC_Filter	#	#
@GV.R2_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr
@GV.R2_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R2_SFREQ_ALARM_ENABLE	FLOW_OBJ.FREQ_ALM_OBJ.LO_ENB	Linear_Mtr
@GV.R2_RATE_ALARM_ENABLE	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R2_SP_INP_ALARM_ENABLE	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr
@GV.R2_POINT	PRESS_LOC	DP_Mtr
@GV.R2_DP_MO	DP_OBJ.USER_MODE	DP_Mtr
@GV.R2_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ
@GV.R2_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ
@GV.SIG_3_NAME_FORMAT	BSAP_3.SIG_NAME_FORMAT	FIXED_OBJ_REF
@GV.ALARM_1_FORMAT	BSAP_1.ALARM_FORMAT	FIXED_OBJ_REF
@GV.ALARM_2_FORMAT	BSAP_2.ALARM_FORMAT	FIXED_OBJ_REF
@GV.ALARM_3_FORMAT	BSAP_3.ALARM_FORMAT	FIXED_OBJ_REF
@GV.TIME_1_SYNCH	BSAP_1.TIME_SYNCH	FIXED_OBJ_REF
@GV.TIME_2_SYNCH	BSAP_2.TIME_SYNCH	FIXED_OBJ_REF
@GV.TIME_3_SYNCH	BSAP_3.TIME_SYNCH	FIXED_OBJ_REF
@GV.R1_Rate_Alarm_Enable	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ
@GV.R1_SFREQ_Alarm_Enable	FLOW_OBJ.FREQ_ALM_OBJ.LO_ENB	Linear_Mtr
@GV.R1_Rate_Alarm_Enable_LOLO	FLW_ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R1_Rate_Alarm_Enable_HI	FLW_ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R1_Rate_Alarm_Enable_HIHI	FLW_ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R1_SFREQ_Alarm_Enable_LOLO	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_ENB	Linear_Mtr
@GV.R1_SFREQ_Alarm_Enable_HI	FLOW_OBJ.FREQ_ALM_OBJ.HI_ENB	Linear_Mtr
@GV.R1_SFREQ_Alarm_Enable_HIHI	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_ENB	Linear_Mtr
@GV.R1_DP_INP_Alarm_Enable_LOLO	DP_OBJ.ALM_OBJ.LOLO_ENB	DP_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_DP_INP_Alarm_Enable_HI	DP_OBJ.ALM_OBJ.HI_ENB	DP_Mtr
@GV.R1_DP_INP_Alarm_Enable_HIHI	DP_OBJ.ALM_OBJ.HIHI_ENB	DP_Mtr
@GV.R1_SP_INP_Alarm_Enable_LOLO	PF_OBJ.ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R1_SP_INP_Alarm_Enable_HI	PF_OBJ.ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R1_SP_INP_Alarm_Enable_HIHI	PF_OBJ.ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R1_FTEMP_Alarm_Enable_LOLO	TF_OBJ.ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R1_FTEMP_Alarm_Enable_HI	TF_OBJ.ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R1_FTEMP_Alarm_Enable_HIHI	TF_OBJ.ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R2_DP_INP_Alarm_Enable_LOLO	DP_OBJ.ALM_OBJ.LOLO_ENB	DP_Mtr
@GV.R2_DP_INP_Alarm_Enable_HI	DP_OBJ.ALM_OBJ.HI_ENB	DP_Mtr
@GV.R2_DP_INP_Alarm_Enable_HIHI	DP_OBJ.ALM_OBJ.HIHI_ENB	DP_Mtr
@GV.R2_SP_INP_ALARM_ENABLE_LOLO	PF_OBJ.ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R2_SP_INP_ALARM_ENABLE_HI	PF_OBJ.ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R2_SP_INP_ALARM_ENABLE_HIHI	PF_OBJ.ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R2_FTEMP_Alarm_Enable_LOLO	TF_OBJ.ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R2_FTEMP_Alarm_Enable_HI	TF_OBJ.ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R2_FTEMP_Alarm_Enable_HIHI	TF_OBJ.ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R2_RATE_ALARM_ENABLE_LOLO	FLW_ALM_OBJ.LOLO_ENB	DP_LIN_OBJ
@GV.R2_RATE_ALARM_ENABLE_HI	FLW_ALM_OBJ.HI_ENB	DP_LIN_OBJ
@GV.R2_RATE_ALARM_ENABLE_HIHI	FLW_ALM_OBJ.HIHI_ENB	DP_LIN_OBJ
@GV.R2_SFREQ_ALARM_ENABLE_LOLO	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_ENB	Linear_Mtr
@GV.R2_SFREQ_ALARM_ENABLE_HI	FLOW_OBJ.FREQ_ALM_OBJ.HI_ENB	Linear_Mtr
@GV.R2_SFREQ_ALARM_ENABLE_HIHI	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_ENB	Linear_Mtr
@GV.CALIB_MODE	#	#
@GV.Calib_Mode_1	#	#
@GV.Calib_Mode_1M	#	#
@GV.Calib_Mode_2	#	#
@GV.Calib_Mode_2M	#	#
@GV.Calib_Mode_3	#	#
@GV.Calib_Mode_3M	#	#
@GV.Calib_Mode_4	#	#
@GV.Calib_Mode_4M	#	#
SC.MRMS_KFromMST	#	#
@GV.R1_DP_DIR_MST	#	#
R1_MR.Data_Valid	#	#
R1_MR.R1_DIR	FLW_DIR	DP_Mtr
@GV.R1_KFactor_Type	KF_UMODE	Linear_Mtr
@GV.GRAVITY_TYPE	Fluid Prop_1.RD_REAL_UMODE	FIXED_OBJ_REF
@GV.R2_KFactor_Type	KF_UMODE	Linear_Mtr
@GV.R2_TAP_TYPE	PRESS_TYPE	DP_Mtr
@GV.SAMPLER_ENA	#	#
@GV.Samp_Track	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.Mech_1_Enable	#	#
@GV.Mech_2_Enable	#	#
@GV.MIX_DP_DAMP_ENABLE	#	#
@GV.OdorEnable	#	#
@GV.NOMIN_ENA_CFG	#	#
@GV.NOMUNIT_SELECT_CFG	#	#
@GV.NOMMODE_SELECT_CFG	#	#
@GV.NOMSTOP_SELECT_CFG	#	#
@GV.NOMDAILY_SELECT_CFG	#	#
@GV.FLWCNTL_ENA_CFG	#	#
@GV.CTLPRES_TAPLOC_CFG	#	#
@GV.VC_ANALOG	#	#
@GV.VC_RAISE_POINT	#	#
@GV.VC_LOWER_POINT	#	#
@GV.VC_AUTO	#	#
@GV.VC_MAN_RAISE	#	#
@GV.VC_MAN_LOWER	#	#
@GV.RADIO_ACTIVATE_ON_LOCAL_PORT	#	#
@GV.ST1_TS_ENABLE	#	#
@GV.ST1_R1_Auto	#	#
@GV.ST1_R1_CallOpen	#	#
@GV.ST1_R1_DOMode	#	#
@GV.ST1_R2_Auto	#	#
@GV.ST1_R2_CallOpen	#	#
@GV.ST1_R2_DOMode	#	#
@GV.GC_Mode	GC Config_1.POLL_MODE	FIXED_OBJ_REF
@GV.GC_IP_Mode	#	#
@GV.GC_Common_Fixed	#	#
@GV.GC_S1_UseFixedOnError	Components_1.FAULT_MODE	FIXED_OBJ_REF
@GV.GC_S2_UseFixedOnError	Components_2.FAULT_MODE	FIXED_OBJ_REF
@GV.GC_S3_UseFixedOnError	#	#
@GV.GC_S4_UseFixedOnError	#	#
@GV.R1_FREQ_SELECT	#	#
@GV.R1_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr
@GV.R1_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr
@GV.R1_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr
@GV.R1_AGA7_FLOWSWITCH	#	#
@GV.R1_AGA7_DENSSWITCH	#	#
@GV.R1_USEALT_GRAVPRESS	#	#
@GV.R1_USEALT_GRAVTEMP	#	#
@GV.R1_AGA8_GRMTHD	#	#
@GV.R2_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R2_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr
@GV.R2_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr
@GV.R2_AGA7_FLOWSWITCH	#	#
@GV.R2_AGA7_DENSSWITCH	#	#
@GV.R2_USEALT_GRAVPRESS	#	#
@GV.R2_USEALT_GRAVTEMP	#	#
@GV.R2_AGA8_GRMTHD	#	#
@GV.T1_BSAP_Enable	#	#
@GV.T1_Modbus_Enable	#	#
@GV.T2_BSAP_Enable	#	#
@GV.T2_Modbus_Enable	#	#
@GV.T3_BSAP_Enable	#	#
@GV.T3_Modbus_Enable	#	#
@GV.T4_BSAP_Enable	#	#
@GV.T4_Modbus_Enable	#	#
@GV.ST1_UseWeight_Avg	#	#
@GV.VC_BUMPLESS_DISABLE	#	#
@GV.ST1_TSIndiv_PV	#	#
@GV.R1_Local_Atmos	ATMPR_UMODE	STN_OBJ
@GV.R2_Local_Atmos	ATMPR_UMODE	STN_OBJ
@GV.VC_AUTO_DIS	#	#
@GV.PRESS_SELECT	#	#
@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr
@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr
@GV.Battery_Status	System Pwr_1.SRAM_BATT_STATUS	FIXED_OBJ_REF
@GV.DI_1_INP	DI_1-1.LIVE	FIXED_OBJ_REF
@GV.DI_2_INP	DI_1-2.LIVE	FIXED_OBJ_REF
@GV.DI_3_INP	DI_1-3.LIVE	FIXED_OBJ_REF
@GV.DI_4_INP	DI_1-4.LIVE	FIXED_OBJ_REF
@GV.DI_5_INP	DI_1-5.LIVE	FIXED_OBJ_REF
@GV.DI_6_INP	DI_1-6.LIVE	FIXED_OBJ_REF
@GV.AllTubesOpen	#	#
@GV.Display_Init	#	#
@GV.GC_C9plus_Mode	#	#
@GV.GC_Common_Limits	#	#
@GV.Mech_1_Set_Count	#	#
@GV.Mech_1_Track	#	#
@GV.Mech_2_Set_Count	#	#
@GV.Mech_2_Track	#	#
@GV.NOMALM	#	#
@GV.NOMPROG_ACTIVE_CALC	#	#
@GV.Odor_Reset	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.R1_AGA8_MTHD	#	#
@GV.R1_FIXED_USED	#	#
@GV.R1_METERTYPE	#	#
@GV.R2_AGA8_MTHD	#	#
@GV.R2_FIXED_USED	#	#
@GV.R2_METERTYPE	#	#
@GV.Recover_GC_CS	#	#
@GV.ST1_LastActionPrev	#	#
@GV.ST1_R1_Fail	#	#
@GV.ST1_R1_Open_Cmd	#	#
@GV.ST1_R1_Reset_Fail	#	#
@GV.ST1_R2_Fail	#	#
@GV.ST1_R2_Open_Cmd	#	#
@GV.ST1_R2_Reset_Fail	#	#
@GV.ST1_Reset_Accum	#	#
@GV.VC_AUTO_RECOVER	#	#
@GV.BSAP_4_NAME_FORMAT	BSAP_4.SIG_NAME_FORMAT	FIXED_OBJ_REF
@GV.BSAP_5_NAME_FORMAT	BSAP_5.SIG_NAME_FORMAT	FIXED_OBJ_REF
@GV.BSAP_4_ALARM_FORMAT	BSAP_4.ALARM_FORMAT	FIXED_OBJ_REF
@GV.BSAP_5_ALARM_FORMAT	BSAP_5.ALARM_FORMAT	FIXED_OBJ_REF
@GV.BSAP_4_TIME_SYNCH	BSAP_4.TIME_SYNCH	FIXED_OBJ_REF
@GV.BSAP_5_TIME_SYNCH	BSAP_5.TIME_SYNCH	FIXED_OBJ_REF
@GV.BSAP5_UDP_ENABLE	BSAP_5.UDP_ENABLE	FIXED_OBJ_REF
R2_MR.R2_DIR	FLW_DIR	DP_Mtr
ALARMS		
@GV.RATE_CHANGE_ALM	#	#
@GV.USER_ACC_LOCKED_ALM	#	#
@GV.LOG_FULL_ALM	#	#
@GV.LOG_NEARLY_FULL_ALM	#	#
@GV.LOG_INTEGRITY_FAIL_ALM	#	#
@GV.BATT_STATUS_ALM	#	#
@GV.LOW_VOLTAGE_ALM	#	#
@GV.OVERRIDE_ALM	#	#
@GV.POINT_FAIL_ALM	#	#
@GV.DI_ON_ALM	#	#
@GV.NO_RESP_FRM_HISTORY_ALM	#	#
@GV.ANALYSIS_TIMEOUT_ALM	#	#
@GV.NORMALIZE_FAIL_ALM	#	#
@GV.FLOW_CALC_ALM	#	#
@GV.PROP_CALC_ALM	#	#
@GV.AA_SYSTEM_ALM	#	#
@GV.AA_FLOW_ALM	#	#

ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name
@GV.AA_DELTA_A_ALM	#	#
@GV.HP_MOVE_FAIL_ALM	#	#
@GV.DOOR_OPEN_ALM	#	#
STRINGS		
@GV.PROGNAME	System_1.PROD_DESC	FIXED_OBJ_REF
@GV.PROGREV	Module_1.BOOT_VER	FIXED_OBJ_REF
@GV.UNIT_ID	System_1.SITE_NAME	FIXED_OBJ_REF
@GV.Firmware_Major	Module_1.APP_VER	FIXED_OBJ_REF
@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF
@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ
R1_MR.R1_RATE_Alarm_Desc	FLW_ALM_OBJ.ALM_DESC	DP_LIN_OBJ
R1_MR.R1_SFREQ_Alarm_Desc	PI_1-1.FREQ_ALM_OBJ.ALM_DESC	FIXED_OBJ_REF
@GV.Input_Voltage_Alarm_Desc	System Pwr_1.EXT_VOLT_ALM.ALM_DESC	FIXED_OBJ_REF
@GV.ST1_BATRDERR_Alarm_Desc	System Pwr_1.BATT_ALM.ALM_DESC	FIXED_OBJ_REF
@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ
@GV.BSAP_NHP_PRIMARY	BSAP_5.NHP_PRIMARY	FIXED_OBJ_REF
@GV.BSAP_NHP_SECONDARY	BSAP_5.NHP_SECONDARY	FIXED_OBJ_REF

4.4 BSAP Lists in the Flow Computer

The tables that follow show all BSAP lists defined in FB1000 and FB2000 Series Flow Computers.

Note: If the Description column for a particular signal shows as "Unused" it means this BSAP signal has no equivalent parameter in the flow computer, so attempts to write to it are ignored. It is included for legacy compatibility only.

Description¤
Unused¤

4.4.1 List 1

LIST 1				
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default
1	Components_S1_Apply_Comp	Components_1.APPLY_COMP	FIXED_OBJ_REF	0
2	Components_S2_Apply_Comp	Components_2.APPLY_COMP	FIXED_OBJ_REF	0
3	Components_S3_Apply_Comp	#	#	#
4	Components_S4_Apply_Comp	#	#	#

4.4.2 List 2

Note: This is the Station List.

LIST 2					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Sensor Units
2	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Sensor Units
3	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Sensor Units
4	@GV.FLWCNTL_ENA_CFG	#	#	#	Unused
5	@GV.NOMIN_ENA_CFG	#	#	#	Unused
6	@GV.ST1_TS_ENABLE	#	#	#	Unused
7	@GV.CALIB_MODE	#	#	#	Unused
8	@GV.WE_DP_Frozen	#	#	#	Unused
9	@GV.WE_SP_Frozen	#	#	#	Unused
10	@GV.WE_RTD_Frozen	#	#	#	Unused
11	@GV.Calib_Mode_1	#	#	#	Unused
12	@GV.T1_DP_Frozen	#	#	#	Unused
13	@GV.T1_SP_Frozen	#	#	#	Unused
14	@GV.T1_FTEMP_Frozen	#	#	#	Unused
15	@GV.Calib_Mode_1M	#	#	#	Unused
16	@GV.T1M_DP_Frozen	#	#	#	Unused
17	@GV.T1M_SP_Frozen	#	#	#	Unused
18	@GV.T1M_FTEMP_Frozen	#	#	#	Unused
19	@GV.Calib_Mode_2	#	#	#	Unused
20	@GV.T2_DP_Frozen	#	#	#	Unused
21	@GV.T2_SP_Frozen	#	#	#	Unused
22	@GV.T2_FTEMP_Frozen	#	#	#	Unused
23	@GV.Calib_Mode_2M	#	#	#	Unused
24	@GV.T2M_DP_Frozen	#	#	#	Unused
25	@GV.T2M_SP_Frozen	#	#	#	Unused
26	@GV.T2M_FTEMP_Frozen	#	#	#	Unused
27	@GV.Calib_Mode_3	#	#	#	Unused
28	@GV.T3_DP_Frozen	#	#	#	Unused
29	@GV.T3_SP_Frozen	#	#	#	Unused
30	@GV.T3_FTEMP_Frozen	#	#	#	Unused
31	@GV.Calib_Mode_3M	#	#	#	Unused
32	@GV.T3M_DP_Frozen	#	#	#	Unused
33	@GV.T3M_SP_Frozen	#	#	#	Unused
34	@GV.T3M_FTEMP_Frozen	#	#	#	Unused

LIST 2					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
35	@GV.Calib_Mode_4	#	#	#	Unused
36	@GV.T4_DP_Frozen	#	#	#	Unused
37	@GV.T4_SP_Frozen	#	#	#	Unused
38	@GV.T4_FTEMP_Frozen	#	#	#	Unused
39	@GV.Calib_Mode_4M	#	#	#	Unused
40	@GV.T4M_DP_Frozen	#	#	#	Unused
41	@GV.T4M_SP_Frozen	#	#	#	Unused
42	@GV.T4M_FTEMP_Frozen	#	#	#	Unused
43	@GV.VC_BUMPLESS_DISABLE	#	#	#	Unused
44	@GV.PDO_MIN	#	#	#	Unused
45	@GV.ST1_TSIndiv_PV	#	#	#	Unused
46	@GV.ST1_Elevation	Station_1.ELEVATION	FIXED_OBJ_REF	0	Station Configuration
47	@GV.ST1_Elevation_Units	#	#	#	Unused
48	@GV.ST1_UseWeight_Avg	#	#	#	Unused
49	@GV.ST1_Avg_Method	#	#	#	Unused
50	@GV.GC_Avg_Method	#	#	#	Unused
51	@GV.GC_Mode	GC Config_1.POLL_MODE	FIXED_OBJ_REF	OFF	GC Configuration
52	@GV.GC_IP_Mode	#	#	#	Unused
53	@GV.GC_Port	#	#	#	Unused
54	@GV.GC_SlaveAddress	GC Config_1.GC_MODBUS_ADDR	FIXED_OBJ_REF	1	GC Configuration
55	@GV.GC_IP_Addr	#	#	#	Unused
56	@GV.GC_Common_Fixed	#	#	#	Unused
57	@GV.GC_RUN1_Stream	GC Data_1-1.STREAM_NUMBER	FIXED_OBJ_REF	1	GC Configuration
58	@GV.GC_RUN2_Stream	GC Data_1-2.STREAM_NUMBER	FIXED_OBJ_REF	2	GC Configuration
59	@GV.GC_RUN3_Stream	#	#	#	Unused
60	@GV.GC_RUN4_Stream	#	#	#	Unused
61	@GV.GC_S1_UseFixedOnError	Components_1.FAULT_MODE	FIXED_OBJ_REF	OFF	GC Configuration
62	@GV.GC_S2_UseFixedOnError	Components_2.FAULT_MODE	FIXED_OBJ_REF	OFF	GC Configuration
63	@GV.GC_S3_UseFixedOnError	#	#	#	Unused
64	@GV.GC_S4_UseFixedOnError	#	#	#	Unused
65	@GV.GC_C9plus_Mode	#	#	#	Unused

LIST 2					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
66	@GV.GC_Common_Limits	#	#	#	Unused
67	@GV.VC_AUTO_DIS	#	#	#	Unused
68	@GV.PRESS_SELECT	#	#	#	Unused
69	@GV.MAXDP_OVRD_CFG	#	#	#	Unused
70	@GV.VC_AUTO_RECOVER	#	#	#	Unused
71	@GV.ST1_UDSTREAM_AI_Point	#	#	#	Unused
72	@GV.ST1_QLIMIT	#	#	#	Unused

4.4.3 List 3

LIST 3					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.ST1_FLOW_RATE	Station_1.SVOL_RATE	FIXED_OBJ_REF	0	Station Rate
2	@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Rate
3	@GV.R1_DP_INP	DP_INUSE	DP_Mtr	0	Run DP
4	@GV.R1_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run Temperature
5	@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Pressure
6	@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Rate
7	@GV.R2_DP_INP	DP_INUSE	DP_Mtr	0	Run DP
8	@GV.R2_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run Temperature
9	@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Pressure

4.4.4 List 4

LIST 4					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
2	@GV.GC_S1_Fixed_C2	Components_1.C2_OVRD	FIXED_OBJ_REF	0	GC Configuration
3	@GV.GC_S1_Fixed_C3	Components_1.C3_OVRD	FIXED_OBJ_REF	0	GC Configuration
4	@GV.GC_S1_Fixed_CO2	Components_1.CO2_OVRD	FIXED_OBJ_REF	0	GC Configuration
5	@GV.GC_S1_Fixed_CH4	Components_1.C1_OVRD	FIXED_OBJ_REF	100	GC Configuration

LIST 4					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
6	@GV.GC_S1_Fixed_IC4	Components_1.IC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
7	@GV.GC_S1_Fixed_IC5	Components_1.IC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
8	@GV.GC_S1_Fixed_N2	Components_1.N2_OVRD	FIXED_OBJ_REF	0	GC Configuration
9	@GV.GC_S1_Fixed_NC4	Components_1.NC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
10	@GV.GC_S1_Fixed_NC5	Components_1.NC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
11	@GV.GC_S1_Fixed_NC6	Components_1.C6_OVRD	FIXED_OBJ_REF	0	GC Configuration
12	@GV.GC_S1_Fixed_NC7	Components_1.C7_OVRD	FIXED_OBJ_REF	0	GC Configuration
13	@GV.GC_S1_Fixed_NC8	Components_1.C8_OVRD	FIXED_OBJ_REF	0	GC Configuration
14	@GV.GC_S1_Fixed_SG	Fluid Prop_1.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Configuration
15	@GV.GC_S1_Fixed_BTUSat	#	#	#	Unused
16	@GV.GC_S1_Fixed_NeoC5	Components_1.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
17	@GV.GC_S1_Fixed_Wobbe	#	#	#	Unused
18	@GV.GC_S1_Fixed_C6Plus	#	#	#	Unused
19	@GV.GC_S1_Fixed_C9Plus	#	#	#	Unused
20	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
21	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
22	@GV.GC_S2_Fixed_BTU	Fluid Prop_2.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
23	@GV.GC_S2_Fixed_C2	Components_2.C2_OVRD	FIXED_OBJ_REF	0	GC Configuration
24	@GV.GC_S2_Fixed_C3	Components_2.C3_OVRD	FIXED_OBJ_REF	0	GC Configuration
25	@GV.GC_S2_Fixed_CO2	Components_2.CO2_OVRD	FIXED_OBJ_REF	0	GC Configuration
26	@GV.GC_S2_Fixed_CH4	Components_2.C1_OVRD	FIXED_OBJ_REF	100	GC Configuration
27	@GV.GC_S2_Fixed_IC4	Components_2.IC4_OVRD	FIXED_OBJ_REF	0	GC Configuration

LIST 4					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
28	@GV.GC_S2_Fixed_IC5	Components_2.IC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
29	@GV.GC_S2_Fixed_N2	Components_2.N2_OVRD	FIXED_OBJ_REF	0	GC Configuration
30	@GV.GC_S2_Fixed_NC4	Components_2.NC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
31	@GV.GC_S2_Fixed_NC5	Components_2.NC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
32	@GV.GC_S2_Fixed_NC6	Components_2.C6_OVRD	FIXED_OBJ_REF	0	GC Configuration
33	@GV.GC_S2_Fixed_NC7	Components_2.C7_OVRD	FIXED_OBJ_REF	0	GC Configuration
34	@GV.GC_S2_Fixed_NC8	Components_2.C8_OVRD	FIXED_OBJ_REF	0	GC Configuration
35	@GV.GC_S2_Fixed_SG	Fluid Prop_2.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Configuration
36	@GV.GC_S2_Fixed_BTUSat	#	#	#	Unused
37	@GV.GC_S2_Fixed_NeoC5	Components_2.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
38	@GV.GC_S2_Fixed_Wobbe	#	#	#	Unused
39	@GV.GC_S2_Fixed_C6Plus	#	#	#	Unused
40	@GV.GC_S2_Fixed_C9Plus	#	#	#	Unused
41	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
42	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
43	@GV.GC_S3_Fixed_BTU	Fluid Prop_3.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
44	@GV.GC_S3_Fixed_C2	#	#	#	Unused
45	@GV.GC_S3_Fixed_C3	#	#	#	Unused
46	@GV.GC_S3_Fixed_CO2	#	#	#	Unused
47	@GV.GC_S3_Fixed_CH4	#	#	#	Unused
48	@GV.GC_S3_Fixed_IC4	#	#	#	Unused
49	@GV.GC_S3_Fixed_IC5	#	#	#	Unused
50	@GV.GC_S3_Fixed_N2	#	#	#	Unused
51	@GV.GC_S3_Fixed_NC4	#	#	#	Unused
52	@GV.GC_S3_Fixed_NC5	#	#	#	Unused
53	@GV.GC_S3_Fixed_NC6	#	#	#	Unused
54	@GV.GC_S3_Fixed_NC7	#	#	#	Unused
55	@GV.GC_S3_Fixed_NC8	#	#	#	Unused

LIST 4					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
56	@GV.GC_S3_Fixed_SG	Fluid Prop_3.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Configuration
57	@GV.GC_S3_Fixed_BTUSat	#	#	#	Unused
58	@GV.GC_S3_Fixed_NeoC5	#	#	#	Unused
59	@GV.GC_S3_Fixed_Wobbe	#	#	#	Unused
60	@GV.GC_S3_Fixed_C6Plus	#	#	#	Unused
61	@GV.GC_S3_Fixed_C9Plus	#	#	#	Unused
62	@GV.GC_S3_Fixed_NC9	#	#	#	Unused
63	@GV.GC_S3_Fixed_NC10	#	#	#	Unused
64	@GV.GC_S4_Fixed_BTU	Fluid Prop_4.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
65	@GV.GC_S4_Fixed_C2	#	#	#	Unused
66	@GV.GC_S4_Fixed_C3	#	#	#	Unused
67	@GV.GC_S4_Fixed_CO2	#	#	#	Unused
68	@GV.GC_S4_Fixed_CH4	#	#	#	Unused
69	@GV.GC_S4_Fixed_IC4	#	#	#	Unused
70	@GV.GC_S4_Fixed_IC5	#	#	#	Unused
71	@GV.GC_S4_Fixed_N2	#	#	#	Unused
72	@GV.GC_S4_Fixed_NC4	#	#	#	Unused
73	@GV.GC_S4_Fixed_NC5	#	#	#	Unused
74	@GV.GC_S4_Fixed_NC6	#	#	#	Unused
75	@GV.GC_S4_Fixed_NC7	#	#	#	Unused
76	@GV.GC_S4_Fixed_NC8	#	#	#	Unused
77	@GV.GC_S4_Fixed_SG	Fluid Prop_4.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Configuration
78	@GV.GC_S4_Fixed_BTUSat	#	#	#	Unused
79	@GV.GC_S4_Fixed_NeoC5	#	#	#	Unused
80	@GV.GC_S4_Fixed_Wobbe	#	#	#	Unused
81	@GV.GC_S4_Fixed_C6Plus	#	#	#	Unused
82	@GV.GC_S4_Fixed_C9Plus	#	#	#	Unused
83	@GV.GC_S4_Fixed_NC9	#	#	#	Unused
84	@GV.GC_S4_Fixed_NC10	#	#	#	Unused

4.4.5 List 10

Note: This is the Configuration List.

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
2	@GV.SAMPLER_ENA	#	#	#	Unused
3	@GV.Samp_PRate	#	#	#	Unused
4	@GV.Samp_Track	#	#	#	Unused
5	@GV.Samp_DO_Point	#	#	#	Unused
6	@GV.Mech_1_Enable	#	#	#	Unused
7	@GV.Mech_1_Init_Count	#	#	#	Unused
8	@GV.Mech_2_Enable	#	#	#	Unused
9	@GV.Mech_2_Init_Count	#	#	#	Unused
10	@GV.MIX_DP_DAMP_ENABLE	#	#	#	Unused
11	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Sensor Units
12	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Sensor Units
13	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Sensor Units
14	@GV.OdorEnable	#	#	#	Unused
15	@GV.OdorMode	#	#	#	Unused
16	@GV.OdorScale	#	#	#	Unused
17	@GV.Odor_DO_Point	#	#	#	Unused
18	@GV.OdorPRate	#	#	#	Unused
19	@GV.NOMIN_ENA_CFG	#	#	#	Unused
20	@GV.NOMUNIT_SELECT_CFG	#	#	#	Unused
21	@GV.NOMMODE_SELECT_CFG	#	#	#	Unused
22	@GV.NOMSTOP_SELECT_CFG	#	#	#	Unused
23	@GV.NOMDAILY_SELECT_CFG	#	#	#	Unused
24	@GV.CURRENT_ALARM_PCT	#	#	#	Unused
25	@GV.NEXT_START_DATE	#	#	#	Unused
26	@GV.NEXT_TARGET	#	#	#	Unused
27	@GV.NEXT_START_HOUR	#	#	#	Unused
28	@GV.NEXT_STOP_DATE	#	#	#	Unused
29	@GV.NEXT_STOP_HOUR	#	#	#	Unused
30	@GV.FLWCNTL_ENA_CFG	#	#	#	Unused
31	@GV.SETPNT_CFG	PID_1.P_SETPOINT	FIXED_OBJ_REF	0	PID Configuration
32	@GV.SP_RAMP_RATE	PID_1.P_SETPOINT_RAMP	FIXED_OBJ_REF	0	PID Configuration
33	@GV.GAIN_CFG	PID_1.P_PROPORTIONAL_G	FIXED_OBJ_REF	0.5	PID Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
34	@GV.INTEGRAL_CFG	PID_1.P_INTEGRAL_GAIN	FIXED_OBJ_REF	4	PID Configuration
35	@GV.DERIV_CFG	PID_1.P_DERIVATIVE_GAIN	FIXED_OBJ_REF	0	PID Configuration
36	@GV.DEADBND_CFG	PID_1.P_CONTROL_DEADBAND	FIXED_OBJ_REF	0	PID Configuration
37	@GV.ST1_MAXRATE_CFG	#	#	#	Unused
38	@GV.VALVE_TIME_CFG	#	#	#	Unused
39	@GV.MAXOP_OVRD_CFG	#	#	#	Unused
40	@GV.MINOP_OVRD_CFG	#	#	#	Unused
41	@GV.CTLPRES_TAPLOC_CFG	#	#	#	Unused
42	@GV.VC_ANALOG	#	#	#	Unused
43	@GV.VC_RAISE_POINT	#	#	#	Unused
44	@GV.VC_LOWER_POINT	#	#	#	Unused
45	@GV.VC_AUTO	#	#	#	Unused
46	@GV.VC_Man_Value	PID_1.MANUAL_POSITION	FIXED_OBJ_REF	0	PID Configuration
47	@GV.VC_MAN_RAISE	#	#	#	Unused
48	@GV.VC_MAN_LOWER	#	#	#	Unused
49	@GV.VC_AO_RATE	PID_1.OUTPUT_SLEW_RATE	FIXED_OBJ_REF	0	PID Configuration
50	@GV.RADIO_CONTROL_MODE	#	#	#	Unused
51	@GV.RADIO_SENSE_START_HOUR	#	#	#	Unused
52	@GV.RADIO_SENSE_END_HOUR	#	#	#	Unused
53	@GV.RADIO_SENSE_INTERVAL	#	#	#	Unused
54	@GV.RADIO_SENSE_TIMEOUT	#	#	#	Unused
55	@GV.RADIO_START_TIME_OFFSET	#	#	#	Unused
56	@GV.RADIO_POLL_TIME_PER_NODE	#	#	#	Unused
57	@GV.RADIO_POLL_TIME_PER_GROUP	#	#	#	Unused
58	@GV.Radio_Listen_Time	#	#	#	Unused
59	@GV.RADIO_OFF_DELAY	#	#	#	Unused
60	@GV.RADIO_ACTIVATE_ON_LOCAL_PORT	#	#	#	Unused
61	@GV.RADIO_DAILY_MODE_HOUR_OFFSET	#	#	#	Unused
62	@GV.RADIO_DAYLIGHT_START_HOUR	#	#	#	Unused
63	@GV.RADIO_DAYLIGHT_START_MIN	#	#	#	Unused
64	@GV.RADIO_DAYLIGHT_END_HOUR	#	#	#	Unused
65	@GV.RADIO_DAYLIGHT_END_MIN	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
66	@GV.ST1_TS_ENABLE	#	#	#	Unused
67	@GV.ST1_Max_Rank	#	#	#	Unused
68	@GV.ST1_SwitchOn	#	#	#	Unused
69	@GV.ST1_TransitionTime	#	#	#	Unused
70	@GV.ST1_V_SettleTime	#	#	#	Unused
71	@GV.ST1_R1_Auto	#	#	#	Unused
72	@GV.ST1_R1_Target_Rank	#	#	#	Unused
73	@GV.ST1_R1_CallNextSP	#	#	#	Unused
74	@GV.ST1_R1_CallPrevSP	#	#	#	Unused
75	@GV.ST1_R1_CallOpen	#	#	#	Unused
76	@GV.ST1_R1_CallNextDB	#	#	#	Unused
77	@GV.ST1_R1_CallPrevDB	#	#	#	Unused
78	@GV.ST1_R1_DOPoint	#	#	#	Unused
79	@GV.ST1_R1_DOMode	#	#	#	Unused
80	@GV.ST1_R2_Auto	#	#	#	Unused
81	@GV.ST1_R2_Target_Rank	#	#	#	Unused
82	@GV.ST1_R2_CallNextSP	#	#	#	Unused
83	@GV.ST1_R2_CallPrevSP	#	#	#	Unused
84	@GV.ST1_R2_CallOpen	#	#	#	Unused
85	@GV.ST1_R2_CallNextDB	#	#	#	Unused
86	@GV.ST1_R2_CallPrevDB	#	#	#	Unused
87	@GV.ST1_R2_DOPoint	#	#	#	Unused
88	@GV.ST1_R2_DOMode	#	#	#	Unused
89	@GV.GC_Mode	GC Config_1.POLL_MODE	FIXED_OBJ_REF	OFF	GC Configuration
90	@GV.GC_IP_Mode	#	#	#	Unused
91	@GV.GC_Common_Fixed	#	#	#	Unused
92	@GV.GC_SlaveAddress	GC Config_1.GC_MODBUS_ADDR	FIXED_OBJ_REF	1	GC Configuration
93	@GV.GC_IP_Addr	#	#	#	Unused
94	@GV.GC_S1_UseFixedOnError	Components_1.FAULT_MODE	FIXED_OBJ_REF	OFF	GC Configuration
95	@GV.GC_S2_UseFixedOnError	Components_2.FAULT_MODE	FIXED_OBJ_REF	OFF	GC Configuration
96	@GV.GC_S3_UseFixedOnError	#	#	#	Unused
97	@GV.GC_S4_UseFixedOnError	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
98	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
99	@GV.GC_S1_BTU_Max	GC Data_1-1.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF	0	GC Configuration
100	@GV.GC_S1_BTU_Min	GC Data_1-1.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF	0	GC Configuration
101	@GV.GC_S1_Fixed_SG	Fluid Prop_1.RD_REAL_OVRD	FIXED_OBJ_REF	0.573537945 7	GC Configuration
102	@GV.GC_S1_SG_Max	GC Data_1-1.RD_HI	FIXED_OBJ_REF	0	GC Configuration
103	@GV.GC_S1_SG_Min	GC Data_1-1.RD_LO	FIXED_OBJ_REF	0	GC Configuration
104	@GV.GC_S1_Fixed_C2	Components_1.C2_OVRD	FIXED_OBJ_REF	0	GC Configuration
105	@GV.GC_S1_C2_Max	GC Data_1-1.C2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
106	@GV.GC_S1_C2_Min	GC Data_1-1.C2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
107	@GV.GC_S1_Fixed_C3	Components_1.C3_OVRD	FIXED_OBJ_REF	0	GC Configuration
108	@GV.GC_S1_C3_Max	GC Data_1-1.C3_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
109	@GV.GC_S1_C3_Min	GC Data_1-1.C3_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
110	@GV.GC_S1_Fixed_CH4	Components_1.C1_OVRD	FIXED_OBJ_REF	100	GC Configuration
111	@GV.GC_S1_CH4_Max	GC Data_1-1.C1_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
112	@GV.GC_S1_CH4_Min	GC Data_1-1.C1_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
113	@GV.GC_S1_Fixed_CO2	Components_1.CO2_OVRD	FIXED_OBJ_REF	0	GC Configuration
114	@GV.GC_S1_CO2_Max	GC Data_1-1.CO2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
115	@GV.GC_S1_CO2_Min	GC Data_1-1.CO2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
116	@GV.GC_S1_Fixed_IC4	Components_1.IC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
117	@GV.GC_S1_IC4_Max	GC Data_1-1.IC4_HI_LIM	FIXED_OBJ_REF	0	GC Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
118	@GV.GC_S1_IC4_Min	GC Data_1-1.IC4_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
119	@GV.GC_S1_Fixed_IC5	Components_1.IC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
120	@GV.GC_S1_IC5_Max	GC Data_1-1.IC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
121	@GV.GC_S1_IC5_Min	GC Data_1-1.IC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
122	@GV.GC_S1_Fixed_N2	Components_1.N2_OVRD	FIXED_OBJ_REF	0	GC Configuration
123	@GV.GC_S1_N2_Max	GC Data_1-1.N2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
124	@GV.GC_S1_N2_Min	GC Data_1-1.N2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
125	@GV.GC_S1_Fixed_NC4	Components_1.NC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
126	@GV.GC_S1_NC4_Max	GC Data_1-1.NC4_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
127	@GV.GC_S1_NC4_Min	GC Data_1-1.NC4_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
128	@GV.GC_S1_Fixed_NC5	Components_1.NC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
129	@GV.GC_S1_NC5_Max	GC Data_1-1.NC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
130	@GV.GC_S1_NC5_Min	GC Data_1-1.NC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
131	@GV.GC_S1_Fixed_NC6	Components_1.C6_OVRD	FIXED_OBJ_REF	0	GC Configuration
132	@GV.GC_S1_NC6_Max	GC Data_1-1.C6_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
133	@GV.GC_S1_NC6_Min	GC Data_1-1.C6_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
134	@GV.GC_S1_Fixed_NC7	Components_1.C7_OVRD	FIXED_OBJ_REF	0	GC Configuration
135	@GV.GC_S1_NC7_Max	GC Data_1-1.C7_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
136	@GV.GC_S1_NC7_Min	GC Data_1-1.C7_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
137	@GV.GC_S1_Fixed_NC8	Components_1.C8_OVRD	FIXED_OBJ_REF	0	GC Configuration
138	@GV.GC_S1_NC8_Max	GC Data_1-1.C8_HI_LIM	FIXED_OBJ_REF	0	GC Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
139	@GV.GC_S1_NC8_Min	GC Data_1-1.C8_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
140	@GV.S1_NC6_Factor	GC Config_1.C6_SPLIT	FIXED_OBJ_REF	60	GC Configuration
141	@GV.S1_NC7_Factor	GC Config_1.C7_SPLIT	FIXED_OBJ_REF	30	GC Configuration
142	@GV.S1_NC8_Factor	GC Config_1.C8_SPLIT	FIXED_OBJ_REF	10	GC Configuration
143	@GV.GC_S1_Fixed_NeoC5	Components_1.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
144	@GV.GC_S1_NeoC5_Max	GC Data_1-1.NEOC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
145	@GV.GC_S1_NeoC5_Min	GC Data_1-1.NEOC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
146	@GV.GC_S1_Fixed_BTUSat	#	#	#	Unused
147	@GV.GC_S1_BTUSat_Max	GC Data_1-1.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF	0	GC Configuration
148	@GV.GC_S1_BTUSat_Min	GC Data_1-1.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF	0	GC Configuration
149	@GV.GC_S1_Fixed_Wobbe	#	#	#	Unused
150	@GV.GC_S1_Wobbe_Max	#	#	#	Unused
151	@GV.GC_S1_Wobbe_Min	#	#	#	Unused
152	@GV.GC_S2_Fixed_BTU	Fluid Prop_2.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Configuration
153	@GV.GC_S2_BTU_Max	GC Data_1-2.DRY_SUPERIOR_HV_HI	FIXED_OBJ_REF	0	GC Configuration
154	@GV.GC_S2_BTU_Min	GC Data_1-2.DRY_SUPERIOR_HV_LO	FIXED_OBJ_REF	0	GC Configuration
155	@GV.GC_S2_Fixed_SG	Fluid Prop_2.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Configuration
156	@GV.GC_S2_SG_Max	GC Data_1-2.RD_HI	FIXED_OBJ_REF	0	GC Configuration
157	@GV.GC_S2_SG_Min	GC Data_1-2.RD_LO	FIXED_OBJ_REF	0	GC Configuration
158	@GV.GC_S2_Fixed_C2	Components_2.C2_OVRD	FIXED_OBJ_REF	0	GC Configuration
159	@GV.GC_S2_C2_Max	GC Data_1-2.C2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
160	@GV.GC_S2_C2_Min	GC Data_1-2.C2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
161	@GV.GC_S2_Fixed_C3	Components_2.C3_OVRD	FIXED_OBJ_REF	0	GC Configuration
162	@GV.GC_S2_C3_Max	GC Data_1-2.C3_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
163	@GV.GC_S2_C3_Min	GC Data_1-2.C3_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
164	@GV.GC_S2_Fixed_CH4	Components_2.C1_OVRD	FIXED_OBJ_REF	100	GC Configuration
165	@GV.GC_S2_CH4_Max	GC Data_1-2.C1_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
166	@GV.GC_S2_CH4_Min	GC Data_1-2.C1_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
167	@GV.GC_S2_Fixed_CO2	Components_2.CO2_OVRD	FIXED_OBJ_REF	0	GC Configuration
168	@GV.GC_S2_CO2_Max	GC Data_1-2.CO2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
169	@GV.GC_S2_CO2_Min	GC Data_1-2.CO2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
170	@GV.GC_S2_Fixed_IC4	Components_2.IC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
171	@GV.GC_S2_IC4_Max	GC Data_1-2.IC4_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
172	@GV.GC_S2_IC4_Min	GC Data_1-2.IC4_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
173	@GV.GC_S2_Fixed_IC5	Components_2.IC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
174	@GV.GC_S2_IC5_Max	GC Data_1-2.IC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
175	@GV.GC_S2_IC5_Min	GC Data_1-2.IC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
176	@GV.GC_S2_Fixed_N2	Components_2.N2_OVRD	FIXED_OBJ_REF	0	GC Configuration
177	@GV.GC_S2_N2_Max	GC Data_1-2.N2_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
178	@GV.GC_S2_N2_Min	GC Data_1-2.N2_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
179	@GV.GC_S2_Fixed_NC4	Components_2.NC4_OVRD	FIXED_OBJ_REF	0	GC Configuration
180	@GV.GC_S2_NC4_Max	GC Data_1-2.NC4_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
181	@GV.GC_S2_NC4_Min	GC Data_1-2.NC4_LO_LIM	FIXED_OBJ_REF	0	GC Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
182	@GV.GC_S2_Fixed_NC5	Components_2.NC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
183	@GV.GC_S2_NC5_Max	GC Data_1-2.NC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
184	@GV.GC_S2_NC5_Min	GC Data_1-2.NC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
185	@GV.GC_S2_Fixed_NC6	Components_2.C6_OVRD	FIXED_OBJ_REF	0	GC Configuration
186	@GV.GC_S2_NC6_Max	GC Data_1-2.C6_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
187	@GV.GC_S2_NC6_Min	GC Data_1-2.C6_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
188	@GV.GC_S2_Fixed_NC7	Components_2.C7_OVRD	FIXED_OBJ_REF	0	GC Configuration
189	@GV.GC_S2_NC7_Max	GC Data_1-2.C7_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
190	@GV.GC_S2_NC7_Min	GC Data_1-2.C7_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
191	@GV.GC_S2_Fixed_NC8	Components_2.C8_OVRD	FIXED_OBJ_REF	0	GC Configuration
192	@GV.GC_S2_NC8_Max	GC Data_1-2.C8_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
193	@GV.GC_S2_NC8_Min	GC Data_1-2.C8_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
194	@GV.S2_NC6_Factor	#	#	#	Unused
195	@GV.S2_NC7_Factor	#	#	#	Unused
196	@GV.S2_NC8_Factor	#	#	#	Unused
197	@GV.GC_S2_Fixed_NeoC5	Components_2.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Configuration
198	@GV.GC_S2_NeoC5_Max	GC Data_1-2.NEOC5_HI_LIM	FIXED_OBJ_REF	0	GC Configuration
199	@GV.GC_S2_NeoC5_Min	GC Data_1-2.NEOC5_LO_LIM	FIXED_OBJ_REF	0	GC Configuration
200	@GV.GC_S2_Fixed_BTUSat	#	#	#	Unused
201	@GV.GC_S2_BTUSat_Max	GC Data_1-2.SAT_SUPERIOR_HV_HI	FIXED_OBJ_REF	0	GC Configuration
202	@GV.GC_S2_BTUSat_Min	GC Data_1-2.SAT_SUPERIOR_HV_LO	FIXED_OBJ_REF	0	GC Configuration
203	@GV.GC_S2_Fixed_Wobbe	#	#	#	Unused
204	@GV.GC_S2_Wobbe_Max	#	#	#	Unused
205	@GV.GC_S2_Wobbe_Min	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
206	@GV.GC_TOTAL_Max	#	#	#	Unused
207	@GV.GC_TOTAL_Min	#	#	#	Unused
208	@GV.MIX_1_1_AI_ZERO	#	#	#	Unused
209	@GV.MIX_1_2_AI_ZERO	#	#	#	Unused
210	@GV.MIX_1_3_AI_ZERO	#	#	#	Unused
211	@GV.MIX_1_1_AI_SPAN	#	#	#	Unused
212	@GV.MIX_1_2_AI_SPAN	#	#	#	Unused
213	@GV.MIX_1_3_AI_SPAN	#	#	#	Unused
214	@GV.AI_1_UnitsCode	AI_1-1.UNITS	FIXED_OBJ_REF	0	Run Configuration
215	@GV.AI_2_UnitsCode	AI_1-2.UNITS	FIXED_OBJ_REF	0	Run Configuration
216	@GV.AI_3_UnitsCode	AI_1-3.UNITS	FIXED_OBJ_REF	0	Run Configuration
217	@GV.R1_CONFIG_TYPE	MTR_TYPE	DP_LIN_OBJ	1	Run Configuration
218	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP Mtr_1	Run Configuration
219	@GV.R1_FLOW_RATE_UNITS	#	#	#	Unused
220	@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
221	@GV.R1_HTVAL_DISP_UNITS	#	#	#	Unused
222	@GV.R1_ENERGY_RATE_UNITS	#	#	#	Unused
223	@GV.R1_ENERGY_RATE_TIME	#	#	#	Unused
224	@GV.R1_DP_Source	DP_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
225	@GV.R1_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run Configuration
226	@GV.R1_DP_INP	DP_INUSE	DP_Mtr	0	Run Configuration
227	@GV.R1_SP_Source	PF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
228	@GV.R1_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
229	@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Configuration
230	@GV.R1_FTEMP_Source	TF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
231	@GV.R1_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
232	@GV.R1_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run Configuration
233	@GV.R1_FREQ_SELECT	#	#	#	Unused
234	@GV.R1_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr	OFF	Run Configuration
235	@GV.R1_SFREQ_MO_Value	PI_1-1.OVRD_FREQ	FIXED_OBJ_REF	0	Run Configuration
236	@GV.R1_HTVAL_Source	Fluid Prop_1.HV_REAL_UMODE	FIXED_OBJ_REF	2	Run Configuration
237	@GV.R1_HTVAL_GC_UNITS	#	#	#	Unused
238	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	Run Configuration
239	@GV.R1_HTVAL_MO_UNITS	#	#	#	Unused
240	@GV.R1_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
241	@GV.R1_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
242	@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
243	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
244	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
245	@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
246	@GV.R1_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
247	@GV.R1_SP_INP_Alarm_Enable	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run DP Alarm Configuration
248	@GV.R1_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run DP Alarm Configuration
249	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run DP Alarm Configuration
250	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run DP Alarm Configuration
251	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run DP Alarm Configuration
252	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run DP Alarm Configuration
253	@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run DP Alarm Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
254	@GV.R1_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
255	@GV.R1_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
256	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
257	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
258	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
259	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
260	@GV.R1_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
261	@GV.R1_SFREQ_Alarm_Enable	FLOW_OBJ.FREQ_ALM_OBJ.LO_ENB	Linear_Mtr	OFF	Run Frequency Alarm Configuration
262	@GV.R1_SFREQ_HiHi	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
263	@GV.R1_SFREQ_Hi	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
264	@GV.R1_SFREQ_HiDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency Alarm Configuration
265	@GV.R1_SFREQ_HiDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
					Alarm Configuration
266	@GV.R1_SFREQ_Lo	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
267	@GV.R1_SFREQ_LoLo	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
268	@GV.R1_Rate_Alarm_Enable	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
269	@GV.R1_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
270	@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
271	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
272	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
273	@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
274	@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
275	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
276	@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
277	@GV.R1_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
278	@GV.R1_DPCUT_UNITS	#	#	#	Unused
279	@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr	4	Run Configuration
280	@GV.R1_ORIF_UNITS	#	#	#	Unused
281	@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr	8	Run Configuration
282	@GV.R1_PIPE_UNITS	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
283	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	14.695 99915	Run Configuration
284	@GV.R1_AP_UNITS	#	#	#	Unused
285	@GV.R1_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
286	@GV.R1_TB_UNITS	#	#	#	Unused
287	@GV.R1_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
288	@GV.R1_PB_UNITS	#	#	#	Unused
289	@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
290	@GV.R1_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	OFF	Run Configuration
291	@GV.R1_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	OFF	Run Configuration
292	@GV.R1_K	FLUID_PROP_OBJ.ISENTR_OVRD	DP_Mtr	1.2999 99952	Run Configuration
293	@GV.R1_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	6.8999 99789 e-006	Run Configuration
294	@GV.R1_Visc_Units	DYN_VISC_UNITS	STN_OBJ	1	Run Configuration
295	@GV.R1_AGA7_FLOWSWITCH	#	#	#	Unused
296	@GV.R1_AGA7_DENSSWITCH	#	#	#	Unused
297	@GV.R1_USEALT_GRAVPRESS	#	#	#	Unused
298	@GV.R1_Alt_GravPress	#	#	#	Unused
299	@GV.R1_USEALT_GRAVTEMP	#	#	#	Unused
300	@GV.R1_Alt_GravTEMP	#	#	#	Unused
301	@GV.R1_AGA7_FLOWDENSITY	#	#	#	Unused
302	@GV.R1_AGA7_BASEDENSITY	#	#	#	Unused
303	@GV.R1_KFactor_Type	KF_UMODE	Linear_Mtr	OFF	Run Configuration
304	@GV.R1_AGA7_KFactor	KF_OVRD	Linear_Mtr	0	Run Configuration
305	@GV.R1_AGA7_CFactor	USER_CORR_FACTOR	Linear_Mtr	0	Run Configuration
306	@GV.R1_CSelect	ZF_METHOD	STN_OBJ	0	Run Configuration
307	@GV.R1_AGA8_GRMTHD	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
308	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
309	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration
310	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
311	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
312	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration
313	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
314	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
315	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
316	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
317	@GV.R1_FLOW_ARCHUNITS	#	#	#	Unused
318	@GV.R1_ENERGY_ARCHUnits	#	#	#	Unused
319	@GV.R2_CONFIG_TYPE	MTR_TYPE	DP_LIN_OBJ	0	Run Configuration
320	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Configuration
321	@GV.R2_FLOW_RATE_UNITS	#	#	#	Unused
322	@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
323	@GV.R2_HTVAL_DISP_UNITS	#	#	#	Unused
324	@GV.R2_ENERGY_RATE_UNITS	#	#	#	Unused
325	@GV.R2_ENERGY_RATE_TIME	#	#	#	Unused
326	@GV.R2_DP_SOURCE	#	#	#	Unused
327	@GV.R2_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run Configuration
328	@GV.R2_DP_INP	DP_INUSE	DP_Mtr	0	Run Configuration
329	@GV.R2_SP_SOURCE	#	#	#	Unused
330	@GV.R2_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
331	@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Configuration
332	@GV.R2_FTEMP_SOURCE	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
333	@GV.R2_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
334	@GV.R2_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run Configuration
335	@GV.R2_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr	OFF	Run Configuration
336	@GV.RESERVED_ANALOG_440E	#	#	#	Unused
337	@GV.R2_HTVAL_SOURCE	#	#	#	Unused
338	@GV.R2_HTVAL_GC_UNITS	#	#	#	Unused
339	@GV.R2_HTVAL_MO_VALUE	#	#	#	Unused
340	@GV.R2_HTVAL_MO_UNITS	#	#	#	Unused
341	@GV.R2_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
342	@GV.R2_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	0	Run DP Alarm Configuration
343	@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	0	Run DP Alarm Configuration
344	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
345	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
346	@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
347	@GV.R2_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
348	@GV.R2_SP_INP_ALARM_ENABLE	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
349	@GV.R2_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
350	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
351	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
352	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
353	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
354	@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
355	@GV.R2_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
					Alarm Configuration
356	@GV.R2_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
357	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
358	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
359	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
360	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
361	@GV.R2_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
362	@GV.R2_SFREQ_ALARM_ENABLE	FLOW_OBJ.FREQ_ALM_OBJ.LO_ENB	Linear_Mtr	OFF	Run Frequency Alarm Configuration
363	@GV.R2_SFREQ_HIHI	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
364	@GV.R2_SFREQ_HI	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
365	@GV.R2_SFREQ_HIDB	FLOW_OBJ.FREQ_ALM_OBJ.DEAD BAND	Linear_Mtr	0	Run Frequency Alarm Configuration
366	@GV.R2_SFREQ_HIDB	FLOW_OBJ.FREQ_ALM_OBJ.DEAD BAND	Linear_Mtr	0	Run Frequency Alarm Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
367	@GV.R2_SFREQ_LO	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
368	@GV.R2_SFREQ_LOLO	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
369	@GV.R2_RATE_ALARM_ENABLE	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
370	@GV.R2_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
371	@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
372	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
373	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
374	@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
375	@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
376	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
377	@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
378	@GV.R2_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
379	@GV.R2_DPCUT_UNITS	#	#	#	Unused
380	@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr	0	Run Configuration
381	@GV.R2_ORIF_UNITS	#	#	#	Unused
382	@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr	0	Run Configuration
383	@GV.R2_PIPE_UNITS	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
384	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.695 99915	Run Configuration
385	@GV.R2_AP_UNITS	#	#	#	Unused
386	@GV.R2_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
387	@GV.R2_TB_UNITS	#	#	#	Unused
388	@GV.R2_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
389	@GV.R2_PB_UNITS	#	#	#	Unused
390	@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
391	@GV.R2_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	ON	Run Configuration
392	@GV.R2_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	ON	Run Configuration
393	@GV.R2_K	#	#	#	Unused
394	@GV.R2_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	0	Run Configuration
395	@GV.R2_VISC_UNITS	#	#	#	Unused
396	@GV.R2_AGA7_FLOWSWITCH	#	#	#	Unused
397	@GV.R2_AGA7_DENSSWITCH	#	#	#	Unused
398	@GV.R2_USEALT_GRAVPRESS	#	#	#	Unused
399	@GV.R2_Alt_GravPress	#	#	#	Unused
400	@GV.R2_USEALT_GRAVTEMP	#	#	#	Unused
401	@GV.R2_Alt_GravTEMP	#	#	#	Unused
402	@GV.R2_AGA7_FLOWDENSITY	#	#	#	Unused
403	@GV.R2_AGA7_BASEDENSITY	#	#	#	Unused
404	@GV.R2_KFactor_Type	KF_UMODE	Linear_Mtr	OFF	Run Configuration
405	@GV.R2_AGA7_KFACTOR	KF_OVRD	Linear_Mtr	0	Run Configuration
406	@GV.R2_AGA7_CFACTOR	USER_CORR_FACTOR	Linear_Mtr	0	Run Configuration
407	@GV.R2_CSELECT	#	#	#	Unused
408	@GV.R2_AGA8_GRMTHD	#	#	#	Unused
409	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
410	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
411	@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
412	@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
413	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration
414	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
415	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
416	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
417	@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
418	@GV.R2_FLOW_ARCHUNITS	#	#	#	Unused
419	@GV.R2_ENERGY_ARCHUnits	#	#	#	Unused
420	@GV.T1_BSAP_Addr	#	#	#	Unused
421	@GV.T1_BSAP_Enable	#	#	#	Unused
422	@GV.T1B_Config_Type	#	#	#	Unused
423	@GV.T1_Modbus_Address	#	#	#	Unused
424	@GV.T1_Modbus_Enable	#	#	#	Unused
425	@GV.T1M_Config_Type	#	#	#	Unused
426	@GV.T2_BSAP_Addr	#	#	#	Unused
427	@GV.T2_BSAP_Enable	#	#	#	Unused
428	@GV.T2B_Config_Type	#	#	#	Unused
429	@GV.T2_Modbus_Address	#	#	#	Unused
430	@GV.T2_Modbus_Enable	#	#	#	Unused
431	@GV.T2M_Config_Type	#	#	#	Unused
432	@GV.T3_BSAP_Addr	#	#	#	Unused
433	@GV.T3_BSAP_Enable	#	#	#	Unused
434	@GV.T3B_Config_Type	#	#	#	Unused
435	@GV.T3_Modbus_Address	#	#	#	Unused
436	@GV.T3_Modbus_Enable	#	#	#	Unused
437	@GV.T3M_Config_Type	#	#	#	Unused
438	@GV.T4_BSAP_Addr	#	#	#	Unused
439	@GV.T4_BSAP_Enable	#	#	#	Unused
440	@GV.T4B_Config_Type	#	#	#	Unused
441	@GV.T4_Modbus_Address	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
442	@GV.T4_Modbus_Enable	#	#	#	Unused
443	@GV.T4M_Config_Type	#	#	#	Unused
444	@GV.R1_DP_BSAP_Xmtr	#	#	#	Unused
445	@GV.R1_DP_Modbus_Xmtr	#	#	#	Unused
446	@GV.R1_FTEMP_BSAP_Xmtr	#	#	#	Unused
447	@GV.R1_FTEMP_Modbus_Xmtr	#	#	#	Unused
448	@GV.R1_SP_BSAP_Xmtr	#	#	#	Unused
449	@GV.R1_SP_Modbus_Xmtr	#	#	#	Unused
450	@GV.R2_DP_BSAP_Xmtr	#	#	#	Unused
451	@GV.R2_DP_Modbus_Xmtr	#	#	#	Unused
452	@GV.R2_FTEMP_BSAP_Xmtr	#	#	#	Unused
453	@GV.R2_FTEMP_Modbus_Xmtr	#	#	#	Unused
454	@GV.R2_SP_BSAP_Xmtr	#	#	#	Unused
455	@GV.R2_SP_Modbus_Xmtr	#	#	#	Unused
456	@GV.ST1_UseWeight_Avg	#	#	#	Unused
457	@GV.MB1_PORT	#	#	#	Unused
458	@GV.MB1_SLAVE_ADDR	#	#	#	Unused
459	@GV.MB1_IP_ADDR	#	#	#	Unused
460	@GV.MB1_Data_Size	#	#	#	Unused
461	@GV.MB1_BIT_ORDER	#	#	#	Unused
462	@GV.MB1_BYTE_ORDER	#	#	#	Unused
463	@GV.MB1_WORD_ORDER	#	#	#	Unused
464	@GV.MB1_RTS_CTS_DELAY	#	#	#	Unused
465	@GV.MB1_DELAY_MODE	#	#	#	Unused
466	@GV.MB1_TimeOut	#	#	#	Unused
467	@GV.MB1_Mode	#	#	#	Unused
468	@GV.MB1_Repeat	#	#	#	Unused
469	@GV.MB1_Coil_BaseAddr	#	#	#	Unused
470	@GV.MB1_Input_BaseAddr	#	#	#	Unused
471	@GV.MB1_Reg_BaseAddr	#	#	#	Unused
472	@GV.MB1_InpReg_BaseAddr	#	#	#	Unused
473	@GV.VC_BUMPLESS_DISABLE	#	#	#	Unused
474	@GV.PDO_MIN	#	#	#	Unused
475	@GV.ST1_TSIndiv_PV	#	#	#	Unused
476	@GV.ST1_Elevation	Station_1.ELEVATION	FIXED_OBJ_REF	0	Station Configuration
477	@GV.ST1_Elevation_Units	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
478	@GV.R1_Local_Atmos	ATMPR_UMODE	STN_OBJ	ON	Run Configuration
479	@GV.R2_Local_Atmos	ATMPR_UMODE	STN_OBJ	OFF	Run Configuration
480	@GV.ST1_Avg_Method	#	#	#	Unused
481	@GV.GC_Avg_Method	#	#	#	Unused
482	@GV.S1_NC9_Factor	GC Config_1.C9_SPLIT	FIXED_OBJ_REF	0	GC Configuration
483	@GV.S1_NC10_Factor	GC Config_1.C10_SPLIT	FIXED_OBJ_REF	0	GC Configuration
484	@GV.GC_S1_Fixed_C6Plus	#	#	#	Unused
485	@GV.GC_S1_Fixed_C9Plus	#	#	#	Unused
486	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
487	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
488	@GV.R1_LSC_Deadband	#	#	#	Unused
489	@GV.R1_LSC_Enable	#	#	#	Unused
490	@GV.R1_LSC_Filter	#	#	#	Unused
491	@GV.R1_LSC_FThreshold	#	#	#	Unused
492	@GV.R1_LSC_Stack	#	#	#	Unused
493	@GV.S2_NC9_Factor	#	#	#	Unused
494	@GV.S2_NC10_Factor	#	#	#	Unused
495	@GV.GC_S2_Fixed_C6Plus	#	#	#	Unused
496	@GV.GC_S2_Fixed_C9Plus	#	#	#	Unused
497	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
498	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
499	@GV.R2_LSC_Deadband	#	#	#	Unused
500	@GV.R2_LSC_Enable	#	#	#	Unused
501	@GV.R2_LSC_Filter	#	#	#	Unused
502	@GV.R2_LSC_FThreshold	#	#	#	Unused
503	@GV.R2_LSC_Stack	#	#	#	Unused
504	@GV.S3_NC9_Factor	#	#	#	Unused
505	@GV.S3_NC10_Factor	#	#	#	Unused
506	@GV.GC_S3_Fixed_C6Plus	#	#	#	Unused
507	@GV.GC_S3_Fixed_C9Plus	#	#	#	Unused

LIST 10					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
508	@GV.GC_S3_Fixed_NC9	#	#	#	Unused
509	@GV.GC_S3_Fixed_NC10	#	#	#	Unused
510	@GV.S4_NC9_Factor	#	#	#	Unused
511	@GV.S4_NC10_Factor	#	#	#	Unused
512	@GV.GC_S4_Fixed_C6Plus	#	#	#	Unused
513	@GV.GC_S4_Fixed_C9Plus	#	#	#	Unused
514	@GV.GC_S4_Fixed_NC9	#	#	#	Unused
515	@GV.GC_S4_Fixed_NC10	#	#	#	Unused
516	@GV.VC_AUTO_DIS	#	#	#	Unused
517	@GV.PRESS_SELECT	#	#	#	Unused
518	@GV.MAXDP_OVRD_CFG	#	#	#	Unused
519	@GV.VC_AUTO_RECOVER	#	#	#	Unused
520	@GV.ST1_UDSTREAM_AI_Point	#	#	#	Unused
521	@GV.ST1_QLIMIT	#	#	#	Unused
522	@GV.RUNS12_BIDIR_Point	#	#	#	Unused
523	@GV.DIR_DO_POINT	#	#	#	Unused

4.4.6 List 16

Note: This is the Run 1 (R1) User Defined List.

LIST 16					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Rate
2	@GV.R1_FLOWRATE_MSCFD	#	#	#	Unused
3	@GV.R1_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Total
4	@GV.R1_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Total
5	@GV.R1_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Total
6	@GV.R1_DP_INP	DP_INUSE	DP_Mtr	0	Run DP
7	@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Pressure
8	@GV.R1_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ	3.402823264e+038	Run Temperature
9	@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
10	@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration

LIST 16					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
11	@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
12	@GV.R1_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
13	@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
14	@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
15	@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run DP Alarm Configuration
16	@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr	8	Run Configuration
17	@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr	4	Run Configuration
18	@GV.R1_HTVAL_In_Use	FLUID_PROP_OBJ.HV_REAL_SEL	DP_LIN_OBJ	1014.331543	Run GC Component
19	@GV.R1_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0.5547556877	Run GC Component
20	@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
21	@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component
22	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
23	@GV.R1_AGA8_GRMTHD	#	#	#	Unused
24	@GV.R1_AGA8_MTHD	#	#	#	Unused
25	@GV.R1_FIXED_USED	#	#	#	Unused
26	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
27	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
28	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
29	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration

4.4.7 List 17

Note: This is the Run 1 (R1) User Defined List.

LIST 17					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Rate
2	@GV.R2_FLOWRATE_MSCFD	#	#	#	Unused
3	@GV.R2_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Total
4	@GV.R2_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Total
5	@GV.R2_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Total
6	@GV.R2_DP_INP	DP_INUSE	DP_Mtr	0	Run DP
7	@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run Pressure
8	@GV.R2_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ	0	Run Temperature
9	@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
10	@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
11	@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
12	@GV.R2_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
13	@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
14	@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	0	Run DP Alarm Configuration
15	@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run DP Alarm Configuration
16	@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr	0	Run Configuration
17	@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr	0	Run Configuration
18	@GV.R2_HTVAL_IN_USE	FLUID_PROP_OBJ.HV_REAL_SEL	DP_LIN_OBJ	0	Run GC Component
19	@GV.R2_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0	Run GC Component
20	@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
21	@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component

22	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
23	@GV.R2_AGA8_GRMTHD	#	#	#	Unused
24	@GV.R2_AGA8_MTHD	#	#	#	Unused
25	@GV.R2_FIXED_USED	#	#	#	Unused
26	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
27	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
28	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
29	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration

4.4.8 List 41

Note: This is the Run 1 (R1) Display List for DP Meter.

LIST 41					
	ControlWave Name	**FBx Device Tag Name (# = No Tag Name)**	**Dynamic Object Name**	**Default**	**Description**
1	@GV.PROGNAME	System_1.PROD_DESC	FIXED_OBJ_REF	Field Mountable Flow Computer	Program Name
2	@GV.PROGREV	Module_1.BOOT_VER	FIXED_OBJ_REF	01.00.00.17	Program Revision
3	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
4	@GV.INPUT_VOLTAGE	#	#	#	Unused
5	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Wet End DP Units Code
6	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Wet End SP Units Code
7	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Wet End FT Units Code
8	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP	Run Configuration
9	@GV.R1_DP_INP	DP_INUSE	DP_Mtr	0	Run DP Value
10	@GV.R1_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run DP Value
11	@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
12	@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
13	@GV.R1_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run FT Value

LIST 41					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
14	@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run FT Value
15	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
16	@GV.R1_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
17	@GV.R1_PB_UNITS	#	#	#	Unused
18	@GV.R1_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
19	@GV.R1_TB_UNITS	#	#	#	Unused
20	@GV.R1_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	OFF	Run Configuration
21	@GV.R1_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	OFF	Run Configuration
22	@GV.R1_CompCalc	#	#	#	Unused
23	@GV.R1_GrossMode	#	#	#	Unused
24	@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
25	@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr	8	Run Configuration
26	@GV.R1_PIPE_UNITS	#	#	#	Unused
27	@GV.R1_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	68	Run Configuration
28	@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
29	@GV.R1_TAP_TYPE	PRESS_TYPE	DP_Mtr	ON	Run Configuration
30	@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr	4	Run Configuration
31	@GV.R1_ORIF_UNITS	#	#	#	Unused
32	@GV.R1_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	68	Run Configuration
33	@GV.R1_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
34	@GV.R1_DPCUT_UNITS	#	#	#	Unused
35	@GV.R1_Rate_Alarm_Enable	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
36	@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration

LIST 41					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
37	@GV.R1_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
38	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
39	@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
40	@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
41	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
42	@GV.R1_DP_Source	DP_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
43	@GV.R1_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run Configuration
44	@GV.R1_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
45	@GV.R1_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run Configuration
46	@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
47	@GV.R1_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
48	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
49	@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
50	@GV.R1_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
51	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
52	@GV.R1_SP_Source	PF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
53	@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
54	@GV.R1_SP_INP_Alarm_Enable	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
55	@GV.R1_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration

LIST 41					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
56	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
57	@GV.R1_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
58	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
59	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
60	@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
61	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
62	@GV.R1_FTEMP_Source	TF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
63	@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
64	@GV.R1_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
65	@GV.R1_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
66	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
67	@GV.R1_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
68	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
69	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
70	@GV.R1_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
71	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature

LIST 41					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
					Alarm Configuration
72	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
73	@GV.R1_AP_UNITS	#	#	#	Unused
74	@GV.R1_ORIFCON	#	#	#	Unused
75	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	Run Configuration
76	@GV.R1_HTVAL_Source	Fluid Prop_1.HV_REAL_UMODE	FIXED_OBJ_REF	2	Run Configuration
77	@GV.R1_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0.5547556877	Run GC Component
78	@GV.R1_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	6.899999789e-006	Run Configuration
79	@GV.R1_Visc_Units	DYN_VISC_UNITS	STN_OBJ	1	Run Configuration
80	@GV.R1_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	100	Run GC Component
81	@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component
82	@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
83	@GV.R1_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	Run GC Component
84	@GV.R1_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	Run GC Component
85	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
86	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration
87	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
88	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
89	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration
90	@GV.R1_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	Run GC Component
91	@GV.R1_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	Run GC Component
92	@GV.R1_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	Run GC Component

LIST 41					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
93	@GV.R1_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	Run GC Component
94	@GV.R1_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	Run GC Component
95	@GV.R1_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	Run GC Component
96	@GV.R1_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	Run GC Component
97	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
98	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
99	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
100	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
101	@GV.R1_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ	DP	Run configuration
102	@GV.R1_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ	DP	Run configuration
103	@GV.R1_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ	DP	Run configuration
104	@GV.R1_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ	DP	Run configuration
105	@GV.R1_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ	DP	Run configuration
106	@GV.R1_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ	DP	Run configuration

4.4.9 List 42

Note: This is the Run 1 (R1) Display List for Linear Meter.

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.PROGNAME	System_1.PROD_DESC	FIXED_OBJ_REF	Field Mountable Flow Computer	Program Name
2	@GV.PROGREV	Module_1.BOOT_VER	FIXED_OBJ_REF	01.00.00.17	Program Revision

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
3	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
4	@GV.INPUT_VOLTAGE	#	#	#	Unused
5	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Wet End DP Units Code
6	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Wet End SP Units Code
7	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Wet End FT Units Code
8	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP	Run Configuration
9	@GV.R1_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr	0	Run Frequency Value
10	@GV.R1_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
11	@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
12	@GV.R1_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run FT Value
13	@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run FT Value
14	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
15	@GV.R1_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
16	@GV.R1_PB_UNITS	#	#	#	Unused
17	@GV.R1_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
18	@GV.R1_TB_UNITS	#	#	#	Unused
19	@GV.R1_AGA7_KFactor	KF_OVRD	Linear_Mtr	0	Run Configuration
20	@GV.R1_KFactor_Type	KF_UMODE	Linear_Mtr	OFF	Run Configuration
21	@GV.R1_AGA7_CFactor	USER_CORR_FACTOR	Linear_Mtr	0	Run Configuration
22	@GV.R1_CompCalc	#	#	#	Unused

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
23	@GV.R1_GrossMode	#	#	#	Unused
24	@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
25	@GV.R1_Rate_Alarm_Enable	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
26	@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
27	@GV.R1_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
28	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
29	@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
30	@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
31	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
32	@GV.R1_SP_Source	PF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
33	@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
34	@GV.R1_SP_INP_Alarm_Enable	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
35	@GV.R1_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
36	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
37	@GV.R1_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
38	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
39	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
40	@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
41	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
42	@GV.R1_FTEMP_Source	TF_OBJ.CHANNEL	DP_Mtr	1	Run Configuration
43	@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
44	@GV.R1_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
45	@GV.R1_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
46	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
47	@GV.R1_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
48	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
49	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
50	@GV.R1_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
51	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
52	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
53	@GV.R1_AP_UNITS	#	#	#	Unused
54	@GV.R1_K	FLUID_PROP_OBJ.ISENTR_OVRD	DP_Mtr	1.299999952	Run Configuration
55	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	Run Configuration
56	@GV.R1_HTVAL_Source	Fluid Prop_1.HV_REAL_UMODE	FIXED_OBJ_REF	2	Run Configuration
57	@GV.R1_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0.5547556877	Run GC Component
58	@GV.R1_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	100	Run GC Component
59	@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component
60	@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
61	@GV.R1_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	Run GC Component
62	@GV.R1_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	Run GC Component
63	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
64	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration
65	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
66	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
67	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
68	@GV.R1_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	Run GC Component
69	@GV.R1_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	Run GC Component
70	@GV.R1_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	Run GC Component
71	@GV.R1_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	Run GC Component
72	@GV.R1_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	Run GC Component
73	@GV.R1_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	Run GC Component
74	@GV.R1_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	Run GC Component
75	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
76	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
77	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
78	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
79	@GV.R1_NEOC5_LIVE	FLUID_PROP_OBJ.NEOC5_INUSE	DP_LIN_OBJ	0	Run GC Component
80	@GV.R1_BTUSAT_LIVE	#	#	#	Unused
81	@GV.R1_WOBBE_LIVE	FLUID_PROP_OBJ.WOBBE_INDEX_CALC	DP_Mtr	1361.849121	Run GC Component
82	@GV.R1_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ	DP	Run configuration
83	@GV.R1_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ	DP	Run configuration
84	@GV.R1_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ	DP	Run configuration
85	@GV.R1_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ	DP	Run configuration

LIST 42					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
86	@GV.R1_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ	DP	Run configuration
87	@GV.R1_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ	DP	Run configuration

4.4.10 List 43

Note: This is the Run 2 (R2) Display List for DP Meter.

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.PROGNAME	System_1.PROD_DESC	FIXED_OBJ_REF	Field Mountable Flow Computer	Program Name
2	@GV.PROGREV	Module_1.BOOT_VER	FIXED_OBJ_REF	01.00.00.17	Program Revision
3	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
4	@GV.INPUT_VOLTAGE	#	#	#	Unused
5	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Wet End DP Units Code
6	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Wet End SP Units Code
7	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Wet End FT Units Code
8	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Configuration
9	@GV.R2_DP_INP	DP_INUSE	DP_Mtr	0	Run DP Value
10	@GV.R2_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run DP Value
11	@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
12	@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
13	@GV.R2_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run FT Value
14	@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run FT Value

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
15	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
16	@GV.R2_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
17	@GV.R2_PB_UNITS	#	#	#	Unused
18	@GV.R2_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
19	@GV.R2_TB_UNITS	#	#	#	Unused
20	@GV.R2_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	ON	Run Configuration
21	@GV.R2_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	ON	Run Configuration
22	@GV.R2_CompCalc	#	#	#	Unused
23	@GV.R2_GrossMode	#	#	#	Unused
24	@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
25	@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr	0	Run Configuration
26	@GV.R2_PIPE_UNITS	#	#	#	Unused
27	@GV.R2_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	0	Run Configuration
28	@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
29	@GV.R2_TAP_TYPE	PRESS_TYPE	DP_Mtr	OFF	Run Configuration
30	@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr	0	Run Configuration
31	@GV.R2_ORIF_UNITS	#	#	#	Unused
32	@GV.R2_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	0	Run Configuration
33	@GV.R2_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
34	@GV.R2_DPCUT_UNITS	#	#	#	Unused
35	@GV.R2_RATE_ALARM_ENABLE	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
36	@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
37	@GV.R2_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
38	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
39	@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
40	@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
41	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
42	@GV.R2_DP_SOURCE	#	#	#	Unused
43	@GV.R2_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run Configuration
44	@GV.R2_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
45	@GV.R2_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run Configuration
46	@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	0	Run DP Alarm Configuration
47	@GV.R2_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	0	Run DP Alarm Configuration
48	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
49	@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
50	@GV.R2_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
51	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
52	@GV.R2_SP_SOURCE	#	#	#	Unused
53	@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
54	@GV.R2_SP_INP_ALARM_ENABLE	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
55	@GV.R2_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
56	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
57	@GV.R2_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
58	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
59	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
60	@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
61	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
62	@GV.R2_FTEMP_SOURCE	#	#	#	Unused
63	@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
64	@GV.R2_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
65	@GV.R2_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
66	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
67	@GV.R2_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
68	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
69	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
70	@GV.R2_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
71	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
72	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
73	@GV.R2_AP_UNITS	#	#	#	Unused
74	@GV.R2_ORIFCON	#	#	#	Unused
75	@GV.R2_HTVAL_MO_VALUE	#	#	#	Unused
76	@GV.R2_HTVAL_SOURCE	#	#	#	Unused
77	@GV.R2_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0	Run GC Component
78	@GV.R2_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	0	Run Configuration
79	@GV.R2_VISC_UNITS	#	#	#	Unused
80	@GV.R2_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	0	Run GC Component

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
81	@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component
82	@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
83	@GV.R2_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	Run GC Component
84	@GV.R2_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	Run GC Component
85	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
86	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration
87	@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
88	@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
89	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration
90	@GV.R2_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	Run GC Component
91	@GV.R2_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	Run GC Component
92	@GV.R2_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	Run GC Component
93	@GV.R2_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	Run GC Component
94	@GV.R2_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	Run GC Component
95	@GV.R2_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	Run GC Component
96	@GV.R2_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	Run GC Component
97	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration

LIST 43					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
98	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
99	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
100	@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
101	@GV.R2_NEOC5_LIVE	FLUID_PROP_OBJ.NEOC5_INUSE	DP_LIN_OBJ	0	Run GC Component
102	@GV.R2_BTUSAT_LIVE	#	#	#	Unused
103	@GV.R2_WOBBE_LIVE	FLUID_PROP_OBJ.WOBBE_INDEX_CALC	DP_Mtr	0	Run GC Component
104	@GV.R2_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ	DP	Run configuration
105	@GV.R2_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ	DP	Run configuration
106	@GV.R2_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ	DP	Run configuration
107	@GV.R2_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ	DP	Run configuration
108	@GV.R2_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ	DP	Run configuration
109	@GV.R2_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ	DP	Run configuration

4.4.11 List 44

Note: This is the Run 2 (R2) Display List for Linear Meter.

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.PROGNAME	System_1.PROD_DESC	FIXED_OBJ_REF	Field Mountable Flow Computer	Program Name
2	@GV.PROGREV	Module_1.BOOT_VER	FIXED_OBJ_REF	01.00.00.17	Program Revision
3	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
4	@GV.INPUT_VOLTAGE	#	#	#	Unused
5	@GV.MIX_1_DP_UNITSCode	Sensor_1-1.DP.UNITS	FIXED_OBJ_REF	0	Wet End DP Units Code
6	@GV.MIX_1_SP_UNITSCode	Sensor_1-1.SP.UNITS	FIXED_OBJ_REF	0	Wet End SP Units Code
7	@GV.MIX_1_TEMP_UNITSCode	Sensor_1-1.PT.UNITS	FIXED_OBJ_REF	0	Wet End FT Units Code
8	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Configuration
9	@GV.R2_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr	0	Run Frequency Value
10	@GV.R2_SP_INP	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
11	@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
12	@GV.R2_FTEMP_INP	TF_INUSE	DP_LIN_OBJ	0	Run FT Value
13	@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run FT Value
14	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
15	@GV.R2_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
16	@GV.R2_PB_UNITS	#	#	#	Unused
17	@GV.R2_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
18	@GV.R2_TB_UNITS	#	#	#	Unused
19	@GV.R2_AGA7_KFACTOR	KF_OVRD	Linear_Mtr	0	Run Configuration
20	@GV.R2_KFactor_Type	KF_UMODE	Linear_Mtr	OFF	Run Configuration
21	@GV.R2_AGA7_CFACTOR	USER_CORR_FACTOR	Linear_Mtr	0	Run Configuration
22	@GV.R2_CompCalc	#	#	#	Unused
23	@GV.R2_GrossMode	#	#	#	Unused
24	@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
25	@GV.R2_RATE_ALARM_ENABLE	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
26	@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
27	@GV.R2_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
28	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
29	@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
30	@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
31	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
32	@GV.R2_SP_SOURCE	#	#	#	Unused
33	@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
34	@GV.R2_SP_INP_ALARM_ENABLE	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
35	@GV.R2_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration
36	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
37	@GV.R2_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
38	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
39	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
40	@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
41	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
42	@GV.R2_FTEMP_SOURCE	#	#	#	Unused
43	@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Configuration
44	@GV.R2_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
45	@GV.R2_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Configuration

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
46	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
47	@GV.R2_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
48	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
49	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
50	@GV.R2_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
51	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
52	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
53	@GV.R2_AP_UNITS	#	#	#	Unused
54	@GV.R2_K	#	#	#	Unused
55	@GV.R2_HTVAL_MO_VALUE	#	#	#	Unused
56	@GV.R2_HTVAL_SOURCE	#	#	#	Unused
57	@GV.R2_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0	Run GC Component
58	@GV.R2_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	0	Run GC Component
59	@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	Run GC Component
60	@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	Run GC Component
61	@GV.R2_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	Run GC Component
62	@GV.R2_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	Run GC Component

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
63	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Configuration
64	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Configuration
65	@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF	0	GC Configuration
66	@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF	0	GC Configuration
67	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Configuration
68	@GV.R2_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	Run GC Component
69	@GV.R2_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	Run GC Component
70	@GV.R2_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	Run GC Component
71	@GV.R2_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	Run GC Component
72	@GV.R2_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	Run GC Component
73	@GV.R2_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	Run GC Component
74	@GV.R2_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	Run GC Component
75	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Configuration
76	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Configuration
77	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Configuration
78	@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF	0	GC Configuration
79	@GV.R2_NEOC5_LIVE	FLUID_PROP_OBJ.NEOC5_INUSE	DP_LIN_OBJ	0	Run GC Component
80	@GV.R2_BTUSAT_LIVE	#	#	#	Unused
81	@GV.R2_WOBBE_LIVE	FLUID_PROP_OBJ.WOBBE_INDEX_CALC	DP_Mtr	0	Run GC Component
82	@GV.R2_C9_LIVE	FLUID_PROP_OBJ.C9_INUSE	DP_LIN_OBJ	DP	Run configuration
83	@GV.R2_C10_LIVE	FLUID_PROP_OBJ.C10_INUSE	DP_LIN_OBJ	DP	Run configuration

LIST 44					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
84	@GV.R2_BENZENE_LIVE	FLUID_PROP_OBJ.BENZENE_INUSE	DP_LIN_OBJ	DP	Run configuration
85	@GV.R2_TOLUENE_LIVE	FLUID_PROP_OBJ.TOLUENE_INUSE	DP_LIN_OBJ	DP	Run configuration
86	@GV.R2_HE_LIVE	FLUID_PROP_OBJ.HE_INUSE	DP_LIN_OBJ	DP	Run configuration
87	@GV.R2_AR_LIVE	FLUID_PROP_OBJ.AR_INUSE	DP_LIN_OBJ	DP	Run configuration

4.4.12 List 60

Note: This is the Run 1 (R1) Configuration List.

LIST 60					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP	Run Value
2	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
3	@GV.R1_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
4	@GV.R1_PB_UNITS	#	#	#	Unused
5	@GV.R1_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
6	@GV.R1_PB_UNITS	#	#	#	Unused
7	@GV.R1_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	OFF	Run Configuration
8	@GV.R1_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	OFF	Run Configuration
9	@GV.R1_CSelect	ZF_METHOD	STN_OBJ	0	Run Configuration
10	@GV.R1_GrossMode	#	#	#	Unused
11	@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
12	@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr	8	Run Configuration
13	@GV.R1_PIPE_UNITS	#	#	#	Unused
14	@GV.R1_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	68	Run Configuration
15	@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration

LIST 60					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
16	@GV.R1_TAP_TYPE	PRESS_TYPE	DP_Mtr	ON	Run Configuration
17	@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr	4	Run Configuration
18	@GV.R1_ORIF_UNITS	#	#	#	Unused
19	@GV.R1_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	68	Run Configuration
20	@GV.R1_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
21	@GV.R1_DPCUT_UNITS	#	#	#	Unused
22	@GV.R1_Rate_Alarm_Enable	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration
23	@GV.R1_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
24	@GV.R1_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Flow Rate Alarm Configuration
25	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
26	@GV.R1_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
27	@GV.R1_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
28	@GV.R1_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
29	@GV.R1_DP_Source	DP_OBJ.CHANNEL	DP_Mtr	1	Run DP Source
30	@GV.R1_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run DP Value
31	@GV.R1_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
32	@GV.R1_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run DP Manual Override
33	@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
34	@GV.R1_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
35	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration

LIST 60					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
36	@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
37	@GV.R1_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
38	@GV.R1_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
39	@GV.R1_SP_Source	PF_OBJ.CHANNEL	DP_Mtr	1	Run SP Source
40	@GV.R1_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
41	@GV.R1_SP_INP_Alarm_Enable	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
42	@GV.R1_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run SP Manual Override
43	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
44	@GV.R1_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
45	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
46	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
47	@GV.R1_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
48	@GV.R1_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
49	@GV.R1_FTEMP_Source	TF_OBJ.CHANNEL	DP_Mtr	1	Run Temperature Source
50	@GV.R1_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Temperature Value
51	@GV.R1_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
52	@GV.R1_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Temperature Manual Override
53	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration

LIST 60					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
54	@GV.R1_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
55	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
56	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
57	@GV.R1_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
58	@GV.R1_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
59	@GV.R1_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr	OFF	Run Frequency Alarm Configuration
60	@GV.R1_SFREQ_HiHi	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr	OFF	Run Frequency Manual Override
61	@GV.R1_SFREQ_Hi	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
62	@GV.R1_SFREQ_HiDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency Alarm Configuration
63	@GV.R1_SFREQ_HiDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency Alarm Configuration
64	@GV.R1_SFREQ_Lo	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
65	@GV.R1_SFREQ_LoLo	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
66	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	0	Run Frequency Alarm Configuration
67	@GV.R1_AP_UNITS	#	#	#	Unused

LIST 60					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
68	@GV.R1_K	FLUID_PROP_OBJ.ISENTR_OVRD	DP_Mtr	0	Run configuration
69	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	1.299999952	Run Configuration
70	@GV.R1_HTVAL_Source	Fluid Prop_1.HV_REAL_UMODE	FIXED_OBJ_REF	0	GC Component
71	@GV.R1_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	2	GC Component
72	@GV.R1_Visc_Units	DYN_VISC_UNITS	STN_OBJ	6.899999789e-006	Run Configuration
73	@GV.R1_AGA7_KFactor	KF_OVRD	Linear_Mtr	1	Run Configuration
74	@GV.R1_KFactor_Type	KF_UMODE	Linear_Mtr	0	Run Configuration
75	@GV.R1_AGA7_CFactor	USER_CORR_FACTOR	Linear_Mtr	OFF	Run Configuration
76	@GV.R1_Local_Atmos	ATMPR_UMODE	STN_OBJ	0	Run Configuration
77	@GV.R1_LSC_Deadband	#	#	#	Unused
78	@GV.R1_LSC_Enable	#	#	#	Unused
79	@GV.R1_LSC_Filter	#	#	#	Unused
80	@GV.R1_LSC_FThreshold	#	#	#	Unused
81	@GV.R1_LSC_Stack	#	#	#	Unused
82	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	0	Run Configuration

4.4.13 List 61

Note: This is the Run 1 (R1) Calculated Data List.

LIST 61					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
2	@GV.R1_BETA	BETA_SEL	DP_Mtr	0.6000000238	Run Value
3	@GV.R1_EV_FACTOR	EV_SEL	DP_Mtr	1	Run Value
4	@GV.R1_CD_FACTOR	CD_SEL	DP_Mtr	0.6000000238	Run Value
5	@GV.R1_ZS_FACTOR	FLUID_PROP_OBJ.ZS_SEL	DP_Mtr	0.9980332851	Run Value
6	@GV.R1_ZB_FACTOR	FLUID_PROP_OBJ.ZB_SEL	DP_Mtr	0.9980332851	Run Value
7	@GV.R1_ZF_FACTOR	FLUID_PROP_OBJ.ZF_SEL	DP_Mtr	0	Run Value
8	@GV.R1_Y_FACTOR	Y1_SEL	DP_Mtr	1	Run Value

LIST 61					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
9	@GV.R1_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ	0	Run Value
10	@GV.R1_CPRIME_FACTOR	#	#	#	Unused

4.4.14 List 66

Note: This is the Run 1 (R1) AGA8 Detail List.

LIST 66					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	100	GC Component
2	@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	GC Component
3	@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	GC Component
4	@GV.R1_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	GC Component
5	@GV.R1_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	GC Component
6	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
7	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
8	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Component
9	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Component
10	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Component
11	@GV.R1_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	GC Component
12	@GV.R1_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	GC Component
13	@GV.R1_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	GC Component
14	@GV.R1_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	GC Component
15	@GV.R1_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	GC Component
16	@GV.R1_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	GC Component
17	@GV.R1_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	GC Component
18	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Component
19	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Component
20	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Component
21	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Component

4.4.15 List 67

Note: This is the Run 1 (R1) 1985 Factors List.

LIST 67					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
2	@GV.R1_BETA	BETA_SEL	DP_Mtr	0.6000000238	Run Value
3	@GV.R1_Fpb_FACTOR	#	#	#	Unused
4	@GV.R1_FTB_FACTOR	#	#	#	Unused
5	@GV.R1_FG_FACTOR	FLUID_PROP_OBJ.DENSF_SEL	DP_Mtr	0	Run Value
6	@GV.R1_FTF_FACTOR	#	#	#	Unused
7	@GV.R1_FA_FACTOR	USER_CORR_FACTOR	DP_Mtr	1	Run Value
8	@GV.R1_FR_FACTOR	#	#	#	Unused
9	@GV.R1_Y_FACTOR	Y1_SEL	DP_Mtr	1	Run Value
10	@GV.R1_FB_FACTOR	#	#	#	Unused
11	@GV.R1_FPV_FACTOR	FLUID_PROP_OBJ.ZFPV_SEL	DP_Mtr	0	Run Value
12	@GV.R1_CPRIME_FACTOR	#	#	#	Unused
13	@GV.R1_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ	0	Run Value

4.4.16 List 70

Note: This is the Run 1 (R1) Live Data List.

LIST 70					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_DP_LIVE	DP_OBJ.LIVE	DP_Mtr	0	Run DP Value
2	@GV.R1_SP_LIVE	PF_OBJ.LIVE	DP_LIN_OBJ	0	Run Pressure Value
3	@GV.R1_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ	3.402823264e+038	Run Temperature Value
4	@GV.R1_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate

4.4.17 List 71

Note: This is the Run 1 (R1) Data List.

LIST 71					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
2	@GV.UNIT_ID	System_1.SITE_NAME	FIXED_OBJ_REF		Station Configuration
3	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP	Run Configuration

LIST 71					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
4	@GV.SPAREF	#	#	#	Unused
5	@GV.R1_METERTYPE	#	#	#	Unused
6	@GV.R1_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
7	@GV.R1_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
8	@GV.SPAREF	#	#	#	Unused
9	@GV.SPAREF	#	#	#	Unused
10	@GV.SPAREF	#	#	#	Unused
11	@GV.SPAREF	#	#	#	Unused
12	@GV.SPAREF	#	#	#	Unused
13	@GV.R1_FA_FACTOR	USER_CORR_FACTOR	DP_Mtr	1	Run Value
14	@GV.R1_FB_FACTOR	#	#	#	Unused
15	@GV.R1_FG_FACTOR	FLUID_PROP_OBJ.DENSF_SEL	DP_Mtr	0	Run Value
16	@GV.R1_FPV_FACTOR	FLUID_PROP_OBJ.ZFPV_SEL	DP_Mtr	0	Run Value
17	@GV.R1_FR_FACTOR	#	#	#	Unused
18	@GV.R1_FTF_FACTOR	#	#	#	Unused
19	@GV.SPAREF	#	#	#	Unused
20	@GV.R1_Y_FACTOR	Y1_SEL	DP_Mtr	1	Run Value
21	@GV.R1_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	OFF	Run Configuration
22	@GV.R1_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	OFF	Run Configuration
23	@GV.SPAREF	#	#	#	Unused
24	@GV.SPAREF	#	#	#	Unused
25	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
26	@GV.R1_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
27	@GV.R1_AGA8_MTHD	#	#	#	Unused
28	@GV.R1_AGA8_GRMTHD	#	#	#	Unused
29	@GV.R1_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
30	@GV.SPAREF	#	#	#	Unused
31	@GV.R1_PIPE_DIAM	PIPE_DIAM	DP_Mtr	8	Run Configuration
32	@GV.R1_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	68	Run Configuration

LIST 71					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
33	@GV.R1_TAP_TYPE	PRESS_TYPE	DP_Mtr	ON	Run Configuration
34	@GV.R1_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
35	@GV.SPAREF	#	#	#	Unused
36	@GV.R1_ORIF_DIAM	MTR_DIAM	DP_Mtr	4	Run Configuration
37	@GV.R1_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	68	Run Configuration
38	@GV.SPAREF	#	#	#	Unused
39	@GV.R1_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
40	@GV.SPAREF	#	#	#	Unused
41	@GV.SPAREF	#	#	#	Unused
42	@GV.SPAREF	#	#	#	Unused
43	@GV.SPAREF	#	#	#	Unused
44	@GV.SPAREF	#	#	#	Unused
45	@GV.SPAREF	#	#	#	Unused
46	@GV.SPAREF	#	#	#	Unused
47	@GV.SPAREF	#	#	#	Unused
48	@GV.R1_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
49	@GV.SPAREF	#	#	#	Unused
50	@GV.R1_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	10000	Run DP Alarm Configuration
51	@GV.R1_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
52	@GV.R1_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run SP Alarm Configuration
53	@GV.R1_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
54	@GV.R1_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	10000	Run Temperature Alarm Configuration
55	@GV.SPAREF	#	#	#	Unused
56	@GV.R1_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
57	@GV.SPAREF	#	#	#	Unused

LIST 71					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
58	@GV.R1_K_USED	FLUID_PROP_OBJ.ISENTR_CALC	DP_Mtr	1.307618141	Run Value
59	@GV.SPAREF	#	#	#	Unused
60	@GV.SPAREF	#	#	#	Unused
61	@GV.SPAREF	#	#	#	Unused
62	@GV.SPAREF	#	#	#	Unused
63	@GV.R1_HTVAL_LIVE	Fluid Prop_1.HV_REAL_SEL	FIXED_OBJ_REF	1014.331543	GC Component
64	@GV.R1_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0.5547556877	GC Component
65	@GV.R1_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	6.899999789e-006	GC Component
66	@GV.R1_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	GC Component
67	@GV.R1_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	GC Component
68	@GV.R1_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	100	GC Component
69	@GV.R1_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	GC Component
70	@GV.R1_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	GC Component
71	@GV.R1_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	GC Component
72	@GV.R1_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	GC Component
73	@GV.R1_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	GC Component
74	@GV.R1_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	GC Component
75	@GV.SPAREF	#	#	#	Unused
76	@GV.R1_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	GC Component
77	@GV.R1_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	GC Component
78	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Component
79	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
80	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
81	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Component
82	@GV.SPAREF	#	#	#	Unused
83	@GV.SPAREF	#	#	#	Unused
84	@GV.SPAREF	#	#	#	Unused
85	@GV.SPAREF	#	#	#	Unused
86	@GV.SPAREF	#	#	#	Unused
87	@GV.SPAREF	#	#	#	Unused
88	@GV.SPAREF	#	#	#	Unused
89	@GV.SPAREF	#	#	#	Unused
90	@GV.SPAREF	#	#	#	Unused
91	@GV.SPAREF	#	#	#	Unused
92	@GV.SPAREF	#	#	#	Unused

4.4.18 List 97

Note: This is the fixed INLIST for Station Manager XT.

LIST 97					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Component
2	@GV.GC_S1_Fixed_SG	Fluid Prop_1.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Component
3	@GV.GC_S1_Fixed_CH4	Components_1.C1_OVRD	FIXED_OBJ_REF	100	GC Component
4	@GV.GC_S1_Fixed_N2	Components_1.N2_OVRD	FIXED_OBJ_REF	0	GC Component
5	@GV.GC_S1_Fixed_CO2	Components_1.CO2_OVRD	FIXED_OBJ_REF	0	GC Component
6	@GV.GC_S1_Fixed_C2	Components_1.C2_OVRD	FIXED_OBJ_REF	0	GC Component
7	@GV.GC_S1_Fixed_C3	Components_1.C3_OVRD	FIXED_OBJ_REF	0	GC Component
8	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
9	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
10	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Component
11	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Component
12	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Component
13	@GV.GC_S1_Fixed_IC4	Components_1.IC4_OVRD	FIXED_OBJ_REF	0	GC Component
14	@GV.GC_S1_Fixed_NC4	Components_1.NC4_OVRD	FIXED_OBJ_REF	0	GC Component
15	@GV.GC_S1_Fixed_IC5	Components_1.IC5_OVRD	FIXED_OBJ_REF	0	GC Component
16	@GV.GC_S1_Fixed_NC5	Components_1.NC5_OVRD	FIXED_OBJ_REF	0	GC Component
17	@GV.GC_S1_Fixed_NC6	Components_1.C6_OVRD	FIXED_OBJ_REF	0	GC Component
18	@GV.GC_S1_Fixed_NC7	Components_1.C7_OVRD	FIXED_OBJ_REF	0	GC Component
19	@GV.GC_S1_Fixed_NC8	Components_1.C8_OVRD	FIXED_OBJ_REF	0	GC Component
20	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Component
21	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Component
22	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Component
23	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Component
24	@GV.R1_DP_DIR_MST	#	#	#	Unused
25	@GV.DIR_SOURCE	#	#	#	Unused
26	SC.MRMS_Kfactor	#	#	#	Unused
27	SC.MRMS_KFromMST	#	#	#	Unused

4.4.19 List 98

Note: This is the fixed INLIST for Station Manager XT.

LIST 98					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.GC_S1_Fixed_BTU	Fluid Prop_1.HV_REAL_OVRD	FIXED_OBJ_REF	0	GC Component
2	@GV.GC_S1_Fixed_SG	Fluid Prop_1.RD_REAL_OVRD	FIXED_OBJ_REF	0.5735379457	GC Component
3	@GV.GC_S1_Fixed_CH4	Components_1.C1_OVRD	FIXED_OBJ_REF	100	GC Component
4	@GV.GC_S1_Fixed_N2	Components_1.N2_OVRD	FIXED_OBJ_REF	0	GC Component
5	@GV.GC_S1_Fixed_CO2	Components_1.CO2_OVRD	FIXED_OBJ_REF	0	GC Component
6	@GV.GC_S1_Fixed_C2	Components_1.C2_OVRD	FIXED_OBJ_REF	0	GC Component
7	@GV.GC_S1_Fixed_C3	Components_1.C3_OVRD	FIXED_OBJ_REF	0	GC Component
8	@GV.R1_H2O_PCT	Components_1.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
9	@GV.R1_H2S_PCT	Components_1.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
10	@GV.R1_H2_PCT	Components_1.H2_OVRD	FIXED_OBJ_REF	0	GC Component
11	@GV.R1_CO_PCT	Components_1.CO_OVRD	FIXED_OBJ_REF	0	GC Component
12	@GV.R1_O2_PCT	Components_1.O2_OVRD	FIXED_OBJ_REF	0	GC Component
13	@GV.GC_S1_Fixed_IC4	Components_1.IC4_OVRD	FIXED_OBJ_REF	0	GC Component
14	@GV.GC_S1_Fixed_NC4	Components_1.NC4_OVRD	FIXED_OBJ_REF	0	GC Component
15	@GV.GC_S1_Fixed_IC5	Components_1.IC5_OVRD	FIXED_OBJ_REF	0	GC Component
16	@GV.GC_S1_Fixed_NC5	Components_1.NC5_OVRD	FIXED_OBJ_REF	0	GC Component
17	@GV.GC_S1_Fixed_NC6	Components_1.C6_OVRD	FIXED_OBJ_REF	0	GC Component
18	@GV.GC_S1_Fixed_NC7	Components_1.C7_OVRD	FIXED_OBJ_REF	0	GC Component
19	@GV.GC_S1_Fixed_NC8	Components_1.C8_OVRD	FIXED_OBJ_REF	0	GC Component
20	@GV.R1_C9_PCT	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Component
21	@GV.R1_C10_PCT	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Component
22	@GV.R1_HE_PCT	Components_1.HE_OVRD	FIXED_OBJ_REF	0	GC Component
23	@GV.R1_AR_PCT	Components_1.AR_OVRD	FIXED_OBJ_REF	0	GC Component
24	@GV.R1_DP_DIR_MST	#	#	#	Unused
25	@GV.DIR_SOURCE	#	#	#	Unused
26	SC.MRMS_Kfactor	#	#	#	Unused
27	SC.MRMS_KFromMST	#	#	#	Unused
28	@GV.R1_APPLY_COMP	Components_1.APPLY_COMP	FIXED_OBJ_REF	0	GC Component
29	@GV.R2_APPLY_COMP	Components_2.APPLY_COMP	FIXED_OBJ_REF	0	GC Component
30	@GV.GC_S2_Fixed_N2	Components_2.N2_OVRD	FIXED_OBJ_REF	0	GC Component
31	@GV.GC_S2_Fixed_CO2	Components_2.CO2_OVRD	FIXED_OBJ_REF	0	GC Component
32	@GV.GV_S2_Fixed_C2	Components_2.C2_OVRD	FIXED_OBJ_REF	0	GC Component
33	@GV.GC_S2_Fixed_C3	Components_2.C3_OVRD	FIXED_OBJ_REF	0	GC Component
34	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
35	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Component

LIST 98					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
36	@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF	0	GC Component
37	@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF	0	GC Component
38	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Component
39	@GV.GC_S2_Fixed_IC4	Components_2.IC4_OVRD	FIXED_OBJ_REF	0	GC Component
40	@GV.GC_S2_Fixed_NC4	Components_2.NC4_OVRD	FIXED_OBJ_REF	0	GC Component
41	@GV.GC_S2_Fixed_IC5	Components_2.IC5_OVRD	FIXED_OBJ_REF	0	GC Component
42	@GV.GC_S2_Fixed_NC5	Components_2.NC5_OVRD	FIXED_OBJ_REF	0	GC Component
43	@GV.GC_S2_Fixed_NC6	Components_2.C6_OVRD	FIXED_OBJ_REF	0	GC Component
44	@GV.GC_S2_Fixed_NC7	Components_2.C7_OVRD	FIXED_OBJ_REF	0	GC Component
45	@GV.GC_S2_Fixed_NC8	Components_2.C8_OVRD	FIXED_OBJ_REF	0	GC Component
46	@GV.GC_S1_Fixed_NC9	Components_1.C9_OVRD	FIXED_OBJ_REF	0	GC Component
47	@GV.GC_S2_Fixed_NC9	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Component
48	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Component
49	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Component
50	@GV.GC_S1_Fixed_NC10	Components_1.C10_OVRD	FIXED_OBJ_REF	0	GC Component
51	@GV.GC_S2_Fixed_NC10	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Component
52	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Component
53	@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF	0	GC Component
54	@GV.GC_S1_Fixed_NeoC5	Components_1.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Component
55	@GV.GC_S2_Fixed_NeoC5	Components_2.NEOC5_OVRD	FIXED_OBJ_REF	0	GC Component
56	@GV.GC_S1_Fixed_BENZENE	Components_1.BENZENE_OVRD	FIXED_OBJ_REF	0	GC Component
57	@GV.GC_S2_Fixed_BENZENE	Components_2.BENZENE_OVRD	FIXED_OBJ_REF	0	GC Component
58	@GV.GC_S1_Fixed_TOLUENE	Components_1.TOLUENE_OVRD	FIXED_OBJ_REF	0	GC Component
59	@GV.GC_S2_Fixed_TOLUENE	Components_2.TOLUENE_OVRD	FIXED_OBJ_REF	0	GC Component

4.4.20 List 100

Note: This is the Slave 12 1m List for Station Manager XT.

LIST 100					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R1_ID	OBJ_NAME	DP_LIN_OBJ	DP	Run Configuration
2	@GV.R1_DP_inH2O	DP_INUSE	DP_Mtr	0	Run DP Value
3	@GV.R1_SP_PSI	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
4	@GV.R1_FTEMP_Deg_F	TF_INUSE	DP_LIN_OBJ	0	Run Temperature Value

LIST 100					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
5	@GV.R1_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr	0	Run Frequency Value
6	@GV.R1_UCFlowRate_MAFH	UVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
7	@GV.R1_FlowRate_MSCFH	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
8	@GV.R1_EnergyRate_MMBTUH	ENERGY_RATE	DP_LIN_OBJ	0	Run Flow Rate
9	@GV.R1_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Daily Total
10	@GV.R1_ENERGY_TODAY	ENERGY_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Daily Total
11	@GV.R1_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Daily Total
12	@GV.R1_ENERGY_YESDAY	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Daily Total
13	@GV.R1_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Hourly total
14	@GV.R1_CH_MMBTU	ENERGY_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Hourly total
15	@GV.R1_LH_VOL	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ	0	Run Hourly total
16	@GV.R1_LH_ENERGY	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ	0	Run Hourly total
17	@GV.R1_AGA7_KFactor	KF_OVRD	Linear_Mtr	0	Run Configuration
18	@GV.CALIB_MODE	#	#	#	Unused
19	R1_MR.Data_Valid	#	#	#	Unused
20	R1_MR.R1_DIR	FLW_DIR	DP_Mtr	OFF	Run Configuration
21	@GV.R1_CONFIG_TYPE	MTR_TYPE	DP_LIN_OBJ	1	Run Configuration
22	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Configuration
23	@GV.R2_DP_inH2O	DP_INUSE	DP_Mtr	0	Run DP Value
24	@GV.R2_SP_PSI	PF_INUSE	DP_LIN_OBJ	0	Run SP Value
25	@GV.R2_FTEMP_Deg_F	TF_INUSE	DP_LIN_OBJ	0	Run Temperature Value
26	@GV.R2_SFREQ	FLOW_OBJ.SELECTED_FREQ	Linear_Mtr	0	Run Frequency Value
27	@GV.R2_UCFlowRate_MAFH	UVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
28	@GV.R2_FlowRate_MSCFH	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
29	@GV.R2_EnergyRate_MMBTUH	ENERGY_RATE	DP_LIN_OBJ	0	Run Flow Rate
30	@GV.R2_VOLUME_TODAY	SVOL_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Daily Total
31	@GV.R2_ENERGY_TODAY	ENERGY_TOT_OBJ.CUR_DAY	DP_LIN_OBJ	0	Run Daily Total
32	@GV.R2_VOLUME_YESDAY	SVOL_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Daily Total
33	@GV.R2_ENERGY_YESDAY	ENERGY_TOT_OBJ.PREV_DAY	DP_LIN_OBJ	0	Run Daily Total
34	@GV.R2_CH_MSCF	SVOL_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Hourly total

LIST 100					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
35	@GV.R2_CH_MMBTU	ENERGY_TOT_OBJ.CUR_PER	DP_LIN_OBJ	0	Run Hourly total
36	@GV.R2_LH_VOL	SVOL_TOT_OBJ.PREV_PER	DP_LIN_OBJ	0	Run Hourly total
37	@GV.R2_LH_ENERGY	ENERGY_TOT_OBJ.PREV_PER	DP_LIN_OBJ	0	Run Hourly total
38	@GV.R2_AGA7_KFACTOR	KF_OVRD	Linear_Mtr	0	Run Configuration

4.4.21 List 110

Note: This is the Run 2 (R2) Configuration List.

LIST 110					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Value
2	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
3	@GV.R2_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
4	@GV.R2_PB_UNITS	#	#	#	Unused
5	@GV.R2_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
6	@GV.R2_TB_UNITS	#	#	#	Unused
7	@GV.R2_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	ON	Run Configuration
8	@GV.R2_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	ON	Run Configuration
9	@GV.R2_CSELECT	#	#	#	Unused
10	@GV.R2_GrossMode	#	#	#	Unused
11	@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
12	@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr	0	Run Configuration
13	@GV.R2_PIPE_UNITS	#	#	#	Unused
14	@GV.R2_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	0	Run Configuration
15	@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
16	@GV.R2_TAP_TYPE	PRESS_TYPE	DP_Mtr	OFF	Run Configuration
17	@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr	0	Run Configuration
18	@GV.R2_ORIF_UNITS	#	#	#	Unused
19	@GV.R2_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	0	Run Configuration
20	@GV.R2_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
21	@GV.R2_DPCUT_UNITS	#	#	#	Unused
22	@GV.R2_RATE_ALARM_ENABLE	FLW_ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Flow Rate Alarm Configuration

LIST 110					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
23	@GV.R2_RATE_HAL	FLW_ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
24	@GV.R2_RATE_HHAL	FLW_ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
25	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
26	@GV.R2_RATE_LAL	FLW_ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
27	@GV.R2_RATE_LLAL	FLW_ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
28	@GV.R2_RATE_HIDB	FLW_ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Flow Rate Alarm Configuration
29	@GV.R2_DP_SOURCE	#	#	#	Unused
30	@GV.R2_DP_INP_Units	DP_OBJ.UNITS	DP_Mtr	0	Run DP Value
31	@GV.R2_DP_INP_Alarm_Enable	DP_OBJ.ALM_OBJ.LO_ENB	DP_Mtr	OFF	Run DP Alarm Configuration
32	@GV.R2_DP_MO	DP_OBJ.USER_MODE	DP_Mtr	OFF	Run DP Manual Override
33	@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	0	Run DP Alarm Configuration
34	@GV.R2_DP_HHAL	DP_OBJ.ALM_OBJ.HIHI_LIM	DP_Mtr	0	Run DP Alarm Configuration
35	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
36	@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
37	@GV.R2_DP_LLAL	DP_OBJ.ALM_OBJ.LOLO_LIM	DP_Mtr	0	Run DP Alarm Configuration
38	@GV.R2_DP_HIDB	DP_OBJ.ALM_OBJ.DEADBAND	DP_Mtr	0	Run DP Alarm Configuration
39	@GV.R2_SP_SOURCE	#	#	#	Unused
40	@GV.R2_SP_INP_Units	PF_OBJ.UNITS	DP_LIN_OBJ	0	Run SP Value
41	@GV.R2_SP_INP_ALARM_ENABLE	PF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run SP Alarm Configuration
42	@GV.R2_SP_MO	PF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run SP Manual Override

LIST 110					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
43	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
44	@GV.R2_SP_HHAL	PF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
45	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
46	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
47	@GV.R2_SP_LLAL	PF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
48	@GV.R2_SP_HIDB	PF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run SP Alarm Configuration
49	@GV.R2_FTEMP_SOURCE	#	#	#	Unused
50	@GV.R2_FTEMP_INP_Units	TF_OBJ.UNITS	DP_LIN_OBJ	0	Run Temperature Value
51	@GV.R2_FTEMP_Alarm_Enable	TF_OBJ.ALM_OBJ.LO_ENB	DP_LIN_OBJ	OFF	Run Temperature Alarm Configuration
52	@GV.R2_FTEMP_MO	TF_OBJ.USER_MODE	DP_LIN_OBJ	OFF	Run Temperature Manual Override
53	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
54	@GV.R2_FTEMP_HHAL	TF_OBJ.ALM_OBJ.HIHI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
55	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
56	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
57	@GV.R2_FTEMP_LLAL	TF_OBJ.ALM_OBJ.LOLO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
58	@GV.R2_FTEMP_HIDB	TF_OBJ.ALM_OBJ.DEADBAND	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
59	@GV.R2_SFREQ_ALARM_ENABLE	FLOW_OBJ.FREQ_ALM_OBJ.LO_ENB	Linear_Mtr	OFF	Run Frequency Alarm Configuration
60	@GV.R2_SFREQ_MO	FLOW_OBJ.USER_MODE	Linear_Mtr	OFF	Run Frequency Manual Override

LIST 110					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
61	@GV.R2_SFREQ_HIHI	FLOW_OBJ.FREQ_ALM_OBJ.HIHI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
62	@GV.R2_SFREQ_HI	FLOW_OBJ.FREQ_ALM_OBJ.HI_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
63	@GV.R2_SFREQ_HIDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency Alarm Configuration
64	@GV.R2_SFREQ_HIDB	FLOW_OBJ.FREQ_ALM_OBJ.DEADBAND	Linear_Mtr	0	Run Frequency Alarm Configuration
65	@GV.R2_SFREQ_LO	FLOW_OBJ.FREQ_ALM_OBJ.LO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
66	@GV.R2_SFREQ_LOLO	FLOW_OBJ.FREQ_ALM_OBJ.LOLO_LIM	Linear_Mtr	0	Run Frequency Alarm Configuration
67	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
68	@GV.R2_AP_UNITS	#	#	#	Unused
69	@GV.R2_K	#	#	#	Unused
70	@GV.R2_HTVAL_MO_VALUE	#	#	#	Unused
71	@GV.R2_HTVAL_SOURCE	#	#	#	Unused
72	@GV.R2_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	0	Run Configuration
73	@GV.R2_VISC_UNITS	#	#	#	Unused
74	@GV.R2_AGA7_KFACTOR	KF_OVRD	Linear_Mtr	0	Run Configuration
75	@GV.R2_KFactor_Type	KF_UMODE	Linear_Mtr	OFF	Run Configuration
76	@GV.R2_AGA7_CFACTOR	USER_CORR_FACTOR	Linear_Mtr	0	Run Configuration
77	@GV.R1_Local_Atmos	ATMPR_UMODE	STN_OBJ	ON	Run Configuration
78	@GV.R1_LSC_Deadband	#	#	#	Unused
79	@GV.R1_LSC_Enable	#	#	#	Unused
80	@GV.R1_LSC_Filter	#	#	#	Unused
81	@GV.R1_LSC_FThreshold	#	#	#	Unused
82	@GV.R1_LSC_Stack	#	#	#	Unused

4.4.22 List 111

Note: This is the Run 2 (R2) Calculated Data List.

LIST 111					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
2	@GV.R2_BETA	BETA_SEL	DP_Mtr	0	Run Value
3	@GV.R2_EV_FACTOR	#	#	#	Unused
4	@GV.R2_CD_FACTOR	CD_SEL	DP_Mtr	0	Run Value
5	@GV.R2_ZS_FACTOR	FLUID_PROP_OBJ.ZS_SEL	DP_Mtr	0	Run Value
6	@GV.R2_ZB_FACTOR	FLUID_PROP_OBJ.ZB_SEL	DP_Mtr	0	Run Value
7	@GV.R2_ZF_FACTOR	FLUID_PROP_OBJ.ZF_SEL	DP_Mtr	0	Run Value
8	@GV.R2_Y_FACTOR	Y1_SEL	DP_Mtr	0	Run Value
9	@GV.R2_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ	0	Run Value
10	@GV.R2_CPRIME_FACTOR	#	#	#	Unused

4.4.23 List 116

Note: This is the Run 2 (R2) AGA8 Detail List.

LIST 116					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	0	GC Component
2	@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	GC Component
3	@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	GC Component
4	@GV.R2_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	GC Component
5	@GV.R2_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	GC Component
6	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
7	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
8	@GV.R2_H2_PCT	Components_2.H2_OVRD	FIXED_OBJ_REF	0	GC Component
9	@GV.R2_CO_PCT	Components_2.CO_OVRD	FIXED_OBJ_REF	0	GC Component
10	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Component
11	@GV.R2_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	GC Component
12	@GV.R2_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	GC Component
13	@GV.R2_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	GC Component
14	@GV.R2_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	GC Component
15	@GV.R2_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	GC Component
16	@GV.R2_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	GC Component
17	@GV.R2_C8_LIVE	FLUID_PROP_OBJ.C8_INUSE	DP_LIN_OBJ	0	GC Component
18	@GV.R2_C9_PCT	Components_2.C9_OVRD	FIXED_OBJ_REF	0	GC Component
19	@GV.R2_C10_PCT	Components_2.C10_OVRD	FIXED_OBJ_REF	0	GC Component

LIST 116					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
20	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Component
21	@GV.R2_AR_PCT	Components_2.AR_OVRD	FIXED_OBJ_REF	0	GC Component

4.4.24 List 117

Note: This is the Run 2 (R2) 1985 Factors List.

LIST 117					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate
2	@GV.R2_BETA	BETA_SEL	DP_Mtr	0	Run Value
3	@GV.R2_Fpb_FACTOR	#	#	#	Unused
4	@GV.R2_FTB_FACTOR	#	#	#	Unused
5	@GV.R2_FG_FACTOR	#	#	#	Unused
6	@GV.R2_FTF_FACTOR	#	#	#	Unused
7	@GV.R2_FA_FACTOR	#	#	#	Unused
8	@GV.R2_FR_FACTOR	#	#	#	Unused
9	@GV.R2_Y_FACTOR	Y1_SEL	DP_Mtr	0	Run Value
10	@GV.R2_FB_FACTOR	#	#	#	Unused
11	@GV.R2_FPV_FACTOR	#	#	#	Unused
12	@GV.R2_CPRIME_FACTOR	#	#	#	Unused
13	@GV.R2_EXTENS_CURR	IMV_SEL	DP_LIN_OBJ	0	Run Value

4.4.25 List 120

Note: This is the Run 2 (R2) Live Data List.

LIST 120					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.R2_DP_LIVE	DP_OBJ.LIVE	DP_Mtr	0	Run DP Value
2	@GV.R2_SP_LIVE	PF_OBJ.LIVE	DP_LIN_OBJ	0	Run Pressure Value
3	@GV.R2_FTEMP_LIVE	TF_OBJ.LIVE	DP_LIN_OBJ	0	Run Temperature Value
4	@GV.R2_FLOW_RATE	SVOL_RATE	DP_LIN_OBJ	0	Run Flow Rate

4.4.26 List 121

Note: This is the Run 2 (R2) Data List.

LIST 121					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.Station_ID	Station_1.OBJ_NAME	FIXED_OBJ_REF	Station	Station Configuration
2	@GV.UNIT_ID	System_1.SITE_NAME	FIXED_OBJ_REF		Station Configuration
3	@GV.R2_ID	OBJ_NAME	DP_LIN_OBJ		Run Configuration
4	@GV.SPAREF	#	#	#	Unused
5	@GV.R2_METERTYPE	#	#	#	Unused
6	@GV.R2_PRESBASE	PB_SEL	STN_OBJ	0	Run Configuration
7	@GV.R2_TEMPBASE	TB_SEL	STN_OBJ	60	Run Configuration
8	@GV.SPAREF	#	#	#	Unused
9	@GV.SPAREF	#	#	#	Unused
10	@GV.SPAREF	#	#	#	Unused
11	@GV.SPAREF	#	#	#	Unused
12	@GV.SPAREF	#	#	#	Unused
13	@GV.R2_FA_FACTOR	#	#	#	Unused
14	@GV.R2_FB_FACTOR	#	#	#	Unused
15	@GV.R2_FG_FACTOR	#	#	#	Unused
16	@GV.R2_FPV_FACTOR	#	#	#	Unused
17	@GV.R2_FR_FACTOR	#	#	#	Unused
18	@GV.R2_FTF_FACTOR	#	#	#	Unused
19	@GV.SPAREF	#	#	#	Unused
20	@GV.R2_Y_FACTOR	Y1_SEL	DP_Mtr	0	Run Value
21	@GV.R2_PIPE_MTRL	PIPE_MAT_OPT	DP_Mtr	ON	Run Configuration
22	@GV.R2_ORIF_MTRL	MTR_MAT_OPT	DP_Mtr	ON	Run Configuration
23	@GV.SPAREF	#	#	#	Unused
24	@GV.SPAREF	#	#	#	Unused
25	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
26	@GV.R2_FLOWEQN_SELECT	AGA3_METHOD	DP_Mtr	ON	Run Configuration
27	@GV.R2_AGA8_MTHD	#	#	#	Unused
28	@GV.R2_AGA8_GRMTHD	#	#	#	Unused
29	@GV.R2_CONTRACT_HOUR	CONTRACT_HR	Hist_Grp	0	Run Configuration
30	@GV.SPAREF	#	#	#	Unused
31	@GV.R2_PIPE_DIAM	PIPE_DIAM	DP_Mtr	0	Run Configuration
32	@GV.R2_PIPE_REFTMP	PIPE_DIAM_REF	DP_Mtr	0	Run Configuration
33	@GV.R2_TAP_TYPE	PRESS_TYPE	DP_Mtr	OFF	Run Configuration
34	@GV.R2_TAP_LOC	PRESS_LOC	DP_Mtr	OFF	Run Configuration
35	@GV.SPAREF	#	#	#	Unused

LIST 121					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
36	@GV.R2_ORIF_DIAM	MTR_DIAM	DP_Mtr	0	Run Configuration
37	@GV.R2_ORIF_REFTMP	MTR_DIAM_REF	DP_Mtr	0	Run Configuration
38	@GV.SPAREF	#	#	#	Unused
39	@GV.R2_DPCUT_VAL	NO_FLOW_LIM	DP_Mtr	0	Run Configuration
40	@GV.SPAREF	#	#	#	Unused
41	@GV.SPAREF	#	#	#	Unused
42	@GV.SPAREF	#	#	#	Unused
43	@GV.SPAREF	#	#	#	Unused
44	@GV.SPAREF	#	#	#	Unused
45	@GV.SPAREF	#	#	#	Unused
46	@GV.SPAREF	#	#	#	Unused
47	@GV.SPAREF	#	#	#	Unused
48	@GV.R2_DP_LAL	DP_OBJ.ALM_OBJ.LO_LIM	DP_Mtr	0	Run DP Alarm Configuration
49	@GV.SPAREF	#	#	#	Unused
50	@GV.R2_DP_HAL	DP_OBJ.ALM_OBJ.HI_LIM	DP_Mtr	0	Run DP Alarm Configuration
51	@GV.R2_SP_LAL	PF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
52	@GV.R2_SP_HAL	PF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run SP Alarm Configuration
53	@GV.R2_FTEMP_LAL	TF_OBJ.ALM_OBJ.LO_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
54	@GV.R2_FTEMP_HAL	TF_OBJ.ALM_OBJ.HI_LIM	DP_LIN_OBJ	0	Run Temperature Alarm Configuration
55	@GV.SPAREF	#	#	#	Unused
56	@GV.R2_ATMOS	ATMPR_SEL	STN_OBJ	14.69599915	Run Configuration
57	@GV.SPAREF	#	#	#	Unused
58	@GV.R2_K_USED	#	#	#	Unused
59	@GV.SPAREF	#	#	#	Unused
60	@GV.SPAREF	#	#	#	Unused
61	@GV.SPAREF	#	#	#	Unused
62	@GV.SPAREF	#	#	#	Unused
63	@GV.R2_HTVAL_LIVE	Fluid Prop_2.HV_REAL_SEL	FIXED_OBJ_REF	0	GC Component
64	@GV.R2_GRAVITY_LIVE	FLUID_PROP_OBJ.RD_REAL_SEL	DP_LIN_OBJ	0	GC Component
65	@GV.R2_VISC	FLUID_PROP_OBJ.DYN_VISC_OVRD	DP_Mtr	0	GC Component

LIST 121					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
66	@GV.R2_CO2_LIVE	FLUID_PROP_OBJ.CO2_INUSE	DP_LIN_OBJ	0	GC Component
67	@GV.R2_N2_LIVE	FLUID_PROP_OBJ.N2_INUSE	DP_LIN_OBJ	0	GC Component
68	@GV.R2_CH4_LIVE	FLUID_PROP_OBJ.C1_INUSE	DP_LIN_OBJ	0	GC Component
69	@GV.R2_C2_LIVE	FLUID_PROP_OBJ.C2_INUSE	DP_LIN_OBJ	0	GC Component
70	@GV.R2_C3_LIVE	FLUID_PROP_OBJ.C3_INUSE	DP_LIN_OBJ	0	GC Component
71	@GV.R2_IC4_LIVE	FLUID_PROP_OBJ.IC4_INUSE	DP_LIN_OBJ	0	GC Component
72	@GV.R2_NC4_LIVE	FLUID_PROP_OBJ.NC4_INUSE	DP_LIN_OBJ	0	GC Component
73	@GV.R2_IC5_LIVE	FLUID_PROP_OBJ.IC5_INUSE	DP_LIN_OBJ	0	GC Component
74	@GV.R2_NC5_LIVE	FLUID_PROP_OBJ.NC5_INUSE	DP_LIN_OBJ	0	GC Component
75	@GV.SPAREF	#	#	#	Unused
76	@GV.R2_C6_LIVE	FLUID_PROP_OBJ.C6_INUSE	DP_LIN_OBJ	0	GC Component
77	@GV.R2_C7_LIVE	FLUID_PROP_OBJ.C7_INUSE	DP_LIN_OBJ	0	GC Component
78	@GV.R2_O2_PCT	Components_2.O2_OVRD	FIXED_OBJ_REF	0	GC Component
79	@GV.R2_H2O_PCT	Components_2.H2O_OVRD	FIXED_OBJ_REF	0	GC Component
80	@GV.R2_H2S_PCT	Components_2.H2S_OVRD	FIXED_OBJ_REF	0	GC Component
81	@GV.R2_HE_PCT	Components_2.HE_OVRD	FIXED_OBJ_REF	0	GC Component
82	@GV.SPAREF	#	#	#	Unused
83	@GV.SPAREF	#	#	#	Unused
84	@GV.SPAREF	#	#	#	Unused
85	@GV.SPAREF	#	#	#	Unused
86	@GV.SPAREF	#	#	#	Unused
87	@GV.SPAREF	#	#	#	Unused
88	@GV.SPAREF	#	#	#	Unused
89	@GV.SPAREF	#	#	#	Unused
90	@GV.SPAREF	#	#	#	Unused
91	@GV.SPAREF	#	#	#	Unused
92	@GV.SPAREF	#	#	#	Unused

4.4.27 List 201

Note: This list is only created when the Historic Log **User Periodic 1** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.28 List 202

Note: This list is only created when the Historic Log **User Periodic 2** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.29 List 203

Note: This list is only created when the Historic Log **General History – Hourly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.30 List 204

Note: This list is only created when the Historic Log **General History – Daily** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.31 List 205

Note: This list is only created when the Historic Log **General History – Weekly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.32 List 206

Note: This list is only created when the Historic Log **General History – Monthly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.33 List 207

Note: This list is only created when the Historic Log **Station History 1 – Hourly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.34 List 208

Note: This list is only created when the Historic Log **Station History 1 – Daily** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.35 List 209

Note: This list is only created when the Historic Log **Station History 1 – Weekly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.36 List 210

Note: This list is only created when the Historic Log **Station History 1 – Monthly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.37 List 211

Note: This list is only created when the Historic Log **Station History 2 – Hourly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.38 List 212

Note: This list is only created when the Historic Log **Station History 2 – Daily** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.39 List 213

Note: This list is only created when the Historic Log **Station History 2 – Weekly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.40 List 214

Note: This list is only created when the Historic Log **Station History 2 – Monthly** is defined. The number of variables and which variables depends on the log configuration. The configured native variable will be reported unless it is mapped to a BSAP variable in which case the BSAP variable will be reported.

4.4.41 List 250

List 250 is a dynamic list that shows the current I/O configuration of the device. The list definition is prepared when the flow computer initializes and includes the I/O parameters available in the device. All other parameters are not applicable:

LIST 250					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	AI1_INPUT_STATUS	AI_1-1.INPUT_STATUS	FIXED_OBJ_REF	1044	Input Status
2	AI2_INPUT_STATUS	AI_1-2.INPUT_STATUS	FIXED_OBJ_REF	1044	Input Status
3	AI3_INPUT_STATUS	AI_1-3.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
4	AI4_INPUT_STATUS	AI_1-4.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
5	AI5_INPUT_STATUS	AI_1-5.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
6	AI6_INPUT_STATUS	AI_1-6.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
7	AI7_INPUT_STATUS	AI_1-7.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
8	AI8_INPUT_STATUS	AI_1-8.INPUT_STATUS	FIXED_OBJ_REF	0	Input Status
9	DI1_INPUT_STATUS	DI_1-1.INPUT_STATUS	FIXED_OBJ_REF	4	Input Status
10	DI2_INPUT_STATUS	DI_1-2.INPUT_STATUS	FIXED_OBJ_REF	4	Input Status
11	DI3_INPUT_STATUS	DI_1-3.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
12	DI4_INPUT_STATUS	DI_1-4.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
13	DI5_INPUT_STATUS	DI_1-5.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status

LIST 250					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
14	DI6_INPUT_STATUS	DI_1-6.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
15	DI7_INPUT_STATUS	DI_1-7.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
16	DI8_INPUT_STATUS	DI_1-8.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
17	DI9_INPUT_STATUS	DI_1-9.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
18	DI10_INPUT_STATUS	DI_1-10.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
19	PI1_INPUT_STATUS	PI_1-1.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
20	PI2_INPUT_STATUS	PI_1-2.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
21	PI3_INPUT_STATUS	PI_1-3.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
22	PI4_INPUT_STATUS	PI_1-4.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
23	PI5_INPUT_STATUS	PI_1-5.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
24	PI6_INPUT_STATUS	PI_1-6.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
25	PI7_INPUT_STATUS	PI_1-7.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
26	PI8_INPUT_STATUS	PI_1-8.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
27	PI9_INPUT_STATUS	PI_1-9.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
28	PI10_INPUT_STATUS	PI_1-10.INPUT_STATUS	FIXED_OBJ_REF	2	Input Status
29	AO1_OUTPUT_STATUS	AO_1-1.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
30	AO2_OUTPUT_STATUS	AO_1-2.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
31	AO3_OUTPUT_STATUS	AO_1-3.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
32	AO4_OUTPUT_STATUS	AO_1-4.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
33	AO5_OUTPUT_STATUS	AO_1-5.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
34	AO6_OUTPUT_STATUS	AO_1-6.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
35	AO7_OUTPUT_STATUS	AO_1-7.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
36	AO8_OUTPUT_STATUS	AO_1-8.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
37	DO1_OUTPUT_STATUS	DO_1-1.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
38	DO2_OUTPUT_STATUS	DO_1-2.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
39	DO3_OUTPUT_STATUS	DO_1-3.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
40	DO4_OUTPUT_STATUS	DO_1-4.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status

LIST 250					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
41	DO5_OUTPUT_STATUS	DO_1-5.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
42	DO6_OUTPUT_STATUS	DO_1-6.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
43	DO7_OUTPUT_STATUS	DO_1-7.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
44	DO8_OUTPUT_STATUS	DO_1-8.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
45	DO9_OUTPUT_STATUS	DO_1-9.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status
46	DO10_OUTPUT_STATUS	DO_1-10.OUTPUT_STATUS	FIXED_OBJ_REF	2	Output Status

4.4.42 List 254

Note: This list includes all user data object parameters available in the flow computers.

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	USER1_FLOAT_1	User Data_1.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
2	USER1_FLOAT_2	User Data_1.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
3	USER1_FLOAT_3	User Data_1.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
4	USER1_FLOAT_4	User Data_1.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
5	USER1_FLOAT_5	User Data_1.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
6	USER1_FLOAT_6	User Data_1.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
7	USER1_FLOAT_7	User Data_1.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
8	USER1_FLOAT_8	User Data_1.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
9	USER1_FLOAT_9	User Data_1.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
10	USER1_FLOAT_10	User Data_1.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
11	USER1_FLOAT_11	User Data_1.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
12	USER1_FLOAT_12	User Data_1.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
13	USER1_FLOAT_13	User Data_1.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
14	USER1_FLOAT_14	User Data_1.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
15	USER1_FLOAT_15	User Data_1.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
16	USER1_FLOAT_16	User Data_1.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
17	USER1_FLOAT_17	User Data_1.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
18	USER1_FLOAT_18	User Data_1.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
19	USER1_FLOAT_19	User Data_1.FLOAT_19	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
20	USER1_FLOAT_20	User Data_1.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
21	USER1_DOUBLE_1	User Data_1.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
22	USER1_DOUBLE_2	User Data_1.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
23	USER1_DOUBLE_3	User Data_1.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
24	USER1_DOUBLE_4	User Data_1.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
25	USER1_DOUBLE_5	User Data_1.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
26	USER1_DOUBLE_6	User Data_1.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
27	USER1_DOUBLE_7	User Data_1.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
28	USER1_DOUBLE_8	User Data_1.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
29	USER1_DOUBLE_9	User Data_1.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
30	USER1_DOUBLE_10	User Data_1.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
31	USER1_LONG_1	User Data_1.LONG_1	FIXED_OBJ_REF	0	User Data Point
32	USER1_LONG_2	User Data_1.LONG_2	FIXED_OBJ_REF	0	User Data Point
33	USER1_LONG_3	User Data_1.LONG_3	FIXED_OBJ_REF	0	User Data Point
34	USER1_LONG_4	User Data_1.LONG_4	FIXED_OBJ_REF	0	User Data Point
35	USER1_LONG_5	User Data_1.LONG_5	FIXED_OBJ_REF	0	User Data Point
36	USER1_LONG_6	User Data_1.LONG_6	FIXED_OBJ_REF	0	User Data Point
37	USER1_LONG_7	User Data_1.LONG_7	FIXED_OBJ_REF	0	User Data Point
38	USER1_LONG_8	User Data_1.LONG_8	FIXED_OBJ_REF	0	User Data Point
39	USER1_LONG_9	User Data_1.LONG_9	FIXED_OBJ_REF	0	User Data Point
40	USER1_LONG_10	User Data_1.LONG_10	FIXED_OBJ_REF	0	User Data Point
41	USER1_SHORT_1	User Data_1.SHORT_1	FIXED_OBJ_REF	0	User Data Point
42	USER1_SHORT_2	User Data_1.SHORT_2	FIXED_OBJ_REF	0	User Data Point
43	USER1_SHORT_3	User Data_1.SHORT_3	FIXED_OBJ_REF	0	User Data Point
44	USER1_SHORT_4	User Data_1.SHORT_4	FIXED_OBJ_REF	0	User Data Point
45	USER1_SHORT_5	User Data_1.SHORT_5	FIXED_OBJ_REF	0	User Data Point
46	USER1_SHORT_6	User Data_1.SHORT_6	FIXED_OBJ_REF	0	User Data Point
47	USER1_SHORT_7	User Data_1.SHORT_7	FIXED_OBJ_REF	0	User Data Point
48	USER1_SHORT_8	User Data_1.SHORT_8	FIXED_OBJ_REF	0	User Data Point
49	USER1_SHORT_9	User Data_1.SHORT_9	FIXED_OBJ_REF	0	User Data Point
50	USER1_SHORT_10	User Data_1.SHORT_10	FIXED_OBJ_REF	0	User Data Point
51	USER1_BYTE_1	User Data_1.BYTE_1	FIXED_OBJ_REF	0	User Data Point
52	USER1_BYTE_2	User Data_1.BYTE_2	FIXED_OBJ_REF	0	User Data Point
53	USER1_BYTE_3	User Data_1.BYTE_3	FIXED_OBJ_REF	0	User Data Point
54	USER1_BYTE_4	User Data_1.BYTE_4	FIXED_OBJ_REF	0	User Data Point
55	USER1_BYTE_5	User Data_1.BYTE_5	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
56	USER1_BYTE_6	User Data_1.BYTE_6	FIXED_OBJ_REF	0	User Data Point
57	USER1_BYTE_7	User Data_1.BYTE_7	FIXED_OBJ_REF	0	User Data Point
58	USER1_BYTE_8	User Data_1.BYTE_8	FIXED_OBJ_REF	0	User Data Point
59	USER1_BYTE_9	User Data_1.BYTE_9	FIXED_OBJ_REF	0	User Data Point
60	USER1_BYTE_10	User Data_1.BYTE_10	FIXED_OBJ_REF	0	User Data Point
61	USER1_EVENT_LOG_OPT	User Data_1.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
62	USER2_FLOAT_1	User Data_2.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
63	USER2_FLOAT_2	User Data_2.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
64	USER2_FLOAT_3	User Data_2.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
65	USER2_FLOAT_4	User Data_2.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
66	USER2_FLOAT_5	User Data_2.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
67	USER2_FLOAT_6	User Data_2.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
68	USER2_FLOAT_7	User Data_2.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
69	USER2_FLOAT_8	User Data_2.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
70	USER2_FLOAT_9	User Data_2.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
71	USER2_FLOAT_10	User Data_2.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
72	USER2_FLOAT_11	User Data_2.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
73	USER2_FLOAT_12	User Data_2.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
74	USER2_FLOAT_13	User Data_2.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
75	USER2_FLOAT_14	User Data_2.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
76	USER2_FLOAT_15	User Data_2.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
77	USER2_FLOAT_16	User Data_2.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
78	USER2_FLOAT_17	User Data_2.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
79	USER2_FLOAT_18	User Data_2.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
80	USER2_FLOAT_19	User Data_2.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
81	USER2_FLOAT_20	User Data_2.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
82	USER2_DOUBLE_1	User Data_2.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
83	USER2_DOUBLE_2	User Data_2.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
84	USER2_DOUBLE_3	User Data_2.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
85	USER2_DOUBLE_4	User Data_2.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
86	USER2_DOUBLE_5	User Data_2.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
87	USER2_DOUBLE_6	User Data_2.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
88	USER2_DOUBLE_7	User Data_2.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
89	USER2_DOUBLE_8	User Data_2.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
90	USER2_DOUBLE_9	User Data_2.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
91	USER2_DOUBLE_10	User Data_2.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
92	USER2_LONG_1	User Data_2.LONG_1	FIXED_OBJ_REF	0	User Data Point
93	USER2_LONG_2	User Data_2.LONG_2	FIXED_OBJ_REF	0	User Data Point
94	USER2_LONG_3	User Data_2.LONG_3	FIXED_OBJ_REF	0	User Data Point
95	USER2_LONG_4	User Data_2.LONG_4	FIXED_OBJ_REF	0	User Data Point
96	USER2_LONG_5	User Data_2.LONG_5	FIXED_OBJ_REF	0	User Data Point
97	USER2_LONG_6	User Data_2.LONG_6	FIXED_OBJ_REF	0	User Data Point
98	USER2_LONG_7	User Data_2.LONG_7	FIXED_OBJ_REF	0	User Data Point
99	USER2_LONG_8	User Data_2.LONG_8	FIXED_OBJ_REF	0	User Data Point
100	USER2_LONG_9	User Data_2.LONG_9	FIXED_OBJ_REF	0	User Data Point
101	USER2_LONG_10	User Data_2.LONG_10	FIXED_OBJ_REF	0	User Data Point
102	USER2_SHORT_1	User Data_2.SHORT_1	FIXED_OBJ_REF	0	User Data Point
103	USER2_SHORT_2	User Data_2.SHORT_2	FIXED_OBJ_REF	0	User Data Point
104	USER2_SHORT_3	User Data_2.SHORT_3	FIXED_OBJ_REF	0	User Data Point
105	USER2_SHORT_4	User Data_2.SHORT_4	FIXED_OBJ_REF	0	User Data Point
106	USER2_SHORT_5	User Data_2.SHORT_5	FIXED_OBJ_REF	0	User Data Point
107	USER2_SHORT_6	User Data_2.SHORT_6	FIXED_OBJ_REF	0	User Data Point
108	USER2_SHORT_7	User Data_2.SHORT_7	FIXED_OBJ_REF	0	User Data Point
109	USER2_SHORT_8	User Data_2.SHORT_8	FIXED_OBJ_REF	0	User Data Point
110	USER2_SHORT_9	User Data_2.SHORT_9	FIXED_OBJ_REF	0	User Data Point
111	USER2_SHORT_10	User Data_2.SHORT_10	FIXED_OBJ_REF	0	User Data Point
112	USER2_BYTE_1	User Data_2.BYTE_1	FIXED_OBJ_REF	0	User Data Point
113	USER2_BYTE_2	User Data_2.BYTE_2	FIXED_OBJ_REF	0	User Data Point
114	USER2_BYTE_3	User Data_2.BYTE_3	FIXED_OBJ_REF	0	User Data Point
115	USER2_BYTE_4	User Data_2.BYTE_4	FIXED_OBJ_REF	0	User Data Point
116	USER2_BYTE_5	User Data_2.BYTE_5	FIXED_OBJ_REF	0	User Data Point
117	USER2_BYTE_6	User Data_2.BYTE_6	FIXED_OBJ_REF	0	User Data Point
118	USER2_BYTE_7	User Data_2.BYTE_7	FIXED_OBJ_REF	0	User Data Point
119	USER2_BYTE_8	User Data_2.BYTE_8	FIXED_OBJ_REF	0	User Data Point
120	USER2_BYTE_9	User Data_2.BYTE_9	FIXED_OBJ_REF	0	User Data Point
121	USER2_BYTE_10	User Data_2.BYTE_10	FIXED_OBJ_REF	0	User Data Point
122	USER2_EVENT_LOG_OPT	User Data_2.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
123	USER3_FLOAT_1	User Data_3.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
124	USER3_FLOAT_2	User Data_3.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
125	USER3_FLOAT_3	User Data_3.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
126	USER3_FLOAT_4	User Data_3.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
127	USER3_FLOAT_5	User Data_3.FLOAT_5	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
128	USER3_FLOAT_6	User Data_3.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
129	USER3_FLOAT_7	User Data_3.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
130	USER3_FLOAT_8	User Data_3.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
131	USER3_FLOAT_9	User Data_3.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
132	USER3_FLOAT_10	User Data_3.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
133	USER3_FLOAT_11	User Data_3.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
134	USER3_FLOAT_12	User Data_3.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
135	USER3_FLOAT_13	User Data_3.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
136	USER3_FLOAT_14	User Data_3.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
137	USER3_FLOAT_15	User Data_3.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
138	USER3_FLOAT_16	User Data_3.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
139	USER3_FLOAT_17	User Data_3.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
140	USER3_FLOAT_18	User Data_3.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
141	USER3_FLOAT_19	User Data_3.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
142	USER3_FLOAT_20	User Data_3.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
143	USER3_DOUBLE_1	User Data_3.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
144	USER3_DOUBLE_2	User Data_3.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
145	USER3_DOUBLE_3	User Data_3.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
146	USER3_DOUBLE_4	User Data_3.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
147	USER3_DOUBLE_5	User Data_3.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
148	USER3_DOUBLE_6	User Data_3.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
149	USER3_DOUBLE_7	User Data_3.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
150	USER3_DOUBLE_8	User Data_3.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
151	USER3_DOUBLE_9	User Data_3.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
152	USER3_DOUBLE_10	User Data_3.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
153	USER3_LONG_1	User Data_3.LONG_1	FIXED_OBJ_REF	0	User Data Point
154	USER3_LONG_2	User Data_3.LONG_2	FIXED_OBJ_REF	0	User Data Point
155	USER3_LONG_3	User Data_3.LONG_3	FIXED_OBJ_REF	0	User Data Point
156	USER3_LONG_4	User Data_3.LONG_4	FIXED_OBJ_REF	0	User Data Point
157	USER3_LONG_5	User Data_3.LONG_5	FIXED_OBJ_REF	0	User Data Point
158	USER3_LONG_6	User Data_3.LONG_6	FIXED_OBJ_REF	0	User Data Point
159	USER3_LONG_7	User Data_3.LONG_7	FIXED_OBJ_REF	0	User Data Point
160	USER3_LONG_8	User Data_3.LONG_8	FIXED_OBJ_REF	0	User Data Point
161	USER3_LONG_9	User Data_3.LONG_9	FIXED_OBJ_REF	0	User Data Point
162	USER3_LONG_10	User Data_3.LONG_10	FIXED_OBJ_REF	0	User Data Point
163	USER3_SHORT_1	User Data_3.SHORT_1	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
164	USER3_SHORT_2	User Data_3.SHORT_2	FIXED_OBJ_REF	0	User Data Point
165	USER3_SHORT_3	User Data_3.SHORT_3	FIXED_OBJ_REF	0	User Data Point
166	USER3_SHORT_4	User Data_3.SHORT_4	FIXED_OBJ_REF	0	User Data Point
167	USER3_SHORT_5	User Data_3.SHORT_5	FIXED_OBJ_REF	0	User Data Point
168	USER3_SHORT_6	User Data_3.SHORT_6	FIXED_OBJ_REF	0	User Data Point
169	USER3_SHORT_7	User Data_3.SHORT_7	FIXED_OBJ_REF	0	User Data Point
170	USER3_SHORT_8	User Data_3.SHORT_8	FIXED_OBJ_REF	0	User Data Point
171	USER3_SHORT_9	User Data_3.SHORT_9	FIXED_OBJ_REF	0	User Data Point
172	USER3_SHORT_10	User Data_3.SHORT_10	FIXED_OBJ_REF	0	User Data Point
173	USER3_BYTE_1	User Data_3.BYTE_1	FIXED_OBJ_REF	0	User Data Point
174	USER3_BYTE_2	User Data_3.BYTE_2	FIXED_OBJ_REF	0	User Data Point
175	USER3_BYTE_3	User Data_3.BYTE_3	FIXED_OBJ_REF	0	User Data Point
176	USER3_BYTE_4	User Data_3.BYTE_4	FIXED_OBJ_REF	0	User Data Point
177	USER3_BYTE_5	User Data_3.BYTE_5	FIXED_OBJ_REF	0	User Data Point
178	USER3_BYTE_6	User Data_3.BYTE_6	FIXED_OBJ_REF	0	User Data Point
179	USER3_BYTE_7	User Data_3.BYTE_7	FIXED_OBJ_REF	0	User Data Point
180	USER3_BYTE_8	User Data_3.BYTE_8	FIXED_OBJ_REF	0	User Data Point
181	USER3_BYTE_9	User Data_3.BYTE_9	FIXED_OBJ_REF	0	User Data Point
182	USER3_BYTE_10	User Data_3.BYTE_10	FIXED_OBJ_REF	0	User Data Point
183	USER3_EVENT_LOG_OPT	User Data_3.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
184	USER4_FLOAT_1	User Data_4.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
185	USER4_FLOAT_2	User Data_4.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
186	USER4_FLOAT_3	User Data_4.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
187	USER4_FLOAT_4	User Data_4.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
188	USER4_FLOAT_5	User Data_4.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
189	USER4_FLOAT_6	User Data_4.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
190	USER4_FLOAT_7	User Data_4.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
191	USER4_FLOAT_8	User Data_4.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
192	USER4_FLOAT_9	User Data_4.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
193	USER4_FLOAT_10	User Data_4.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
194	USER4_FLOAT_11	User Data_4.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
195	USER4_FLOAT_12	User Data_4.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
196	USER4_FLOAT_13	User Data_4.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
197	USER4_FLOAT_14	User Data_4.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
198	USER4_FLOAT_15	User Data_4.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
199	USER4_FLOAT_16	User Data_4.FLOAT_16	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
200	USER4_FLOAT_17	User Data_4.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
201	USER4_FLOAT_18	User Data_4.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
202	USER4_FLOAT_19	User Data_4.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
203	USER4_FLOAT_20	User Data_4.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
204	USER4_DOUBLE_1	User Data_4.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
205	USER4_DOUBLE_2	User Data_4.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
206	USER4_DOUBLE_3	User Data_4.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
207	USER4_DOUBLE_4	User Data_4.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
208	USER4_DOUBLE_5	User Data_4.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
209	USER4_DOUBLE_6	User Data_4.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
210	USER4_DOUBLE_7	User Data_4.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
211	USER4_DOUBLE_8	User Data_4.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
212	USER4_DOUBLE_9	User Data_4.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
213	USER4_DOUBLE_10	User Data_4.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
214	USER4_LONG_1	User Data_4.LONG_1	FIXED_OBJ_REF	0	User Data Point
215	USER4_LONG_2	User Data_4.LONG_2	FIXED_OBJ_REF	0	User Data Point
216	USER4_LONG_3	User Data_4.LONG_3	FIXED_OBJ_REF	0	User Data Point
217	USER4_LONG_4	User Data_4.LONG_4	FIXED_OBJ_REF	0	User Data Point
218	USER4_LONG_5	User Data_4.LONG_5	FIXED_OBJ_REF	0	User Data Point
219	USER4_LONG_6	User Data_4.LONG_6	FIXED_OBJ_REF	0	User Data Point
220	USER4_LONG_7	User Data_4.LONG_7	FIXED_OBJ_REF	0	User Data Point
221	USER4_LONG_8	User Data_4.LONG_8	FIXED_OBJ_REF	0	User Data Point
222	USER4_LONG_9	User Data_4.LONG_9	FIXED_OBJ_REF	0	User Data Point
223	USER4_LONG_10	User Data_4.LONG_10	FIXED_OBJ_REF	0	User Data Point
224	USER4_SHORT_1	User Data_4.SHORT_1	FIXED_OBJ_REF	0	User Data Point
225	USER4_SHORT_2	User Data_4.SHORT_2	FIXED_OBJ_REF	0	User Data Point
226	USER4_SHORT_3	User Data_4.SHORT_3	FIXED_OBJ_REF	0	User Data Point
227	USER4_SHORT_4	User Data_4.SHORT_4	FIXED_OBJ_REF	0	User Data Point
228	USER4_SHORT_5	User Data_4.SHORT_5	FIXED_OBJ_REF	0	User Data Point
229	USER4_SHORT_6	User Data_4.SHORT_6	FIXED_OBJ_REF	0	User Data Point
230	USER4_SHORT_7	User Data_4.SHORT_7	FIXED_OBJ_REF	0	User Data Point
231	USER4_SHORT_8	User Data_4.SHORT_8	FIXED_OBJ_REF	0	User Data Point
232	USER4_SHORT_9	User Data_4.SHORT_9	FIXED_OBJ_REF	0	User Data Point
233	USER4_SHORT_10	User Data_4.SHORT_10	FIXED_OBJ_REF	0	User Data Point
234	USER4_BYTE_1	User Data_4.BYTE_1	FIXED_OBJ_REF	0	User Data Point
235	USER4_BYTE_2	User Data_4.BYTE_2	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
236	USER4_BYTE_3	User Data_4.BYTE_3	FIXED_OBJ_REF	0	User Data Point
237	USER4_BYTE_4	User Data_4.BYTE_4	FIXED_OBJ_REF	0	User Data Point
238	USER4_BYTE_5	User Data_4.BYTE_5	FIXED_OBJ_REF	0	User Data Point
239	USER4_BYTE_6	User Data_4.BYTE_6	FIXED_OBJ_REF	0	User Data Point
240	USER4_BYTE_7	User Data_4.BYTE_7	FIXED_OBJ_REF	0	User Data Point
241	USER4_BYTE_8	User Data_4.BYTE_8	FIXED_OBJ_REF	0	User Data Point
242	USER4_BYTE_9	User Data_4.BYTE_9	FIXED_OBJ_REF	0	User Data Point
243	USER4_BYTE_10	User Data_4.BYTE_10	FIXED_OBJ_REF	0	User Data Point
244	USER4_EVENT_LOG_OPT	User Data_4.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
245	USER5_FLOAT_1	User Data_5.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
246	USER5_FLOAT_2	User Data_5.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
247	USER5_FLOAT_3	User Data_5.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
248	USER5_FLOAT_4	User Data_5.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
249	USER5_FLOAT_5	User Data_5.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
250	USER5_FLOAT_6	User Data_5.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
251	USER5_FLOAT_7	User Data_5.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
252	USER5_FLOAT_8	User Data_5.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
253	USER5_FLOAT_9	User Data_5.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
254	USER5_FLOAT_10	User Data_5.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
255	USER5_FLOAT_11	User Data_5.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
256	USER5_FLOAT_12	User Data_5.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
257	USER5_FLOAT_13	User Data_5.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
258	USER5_FLOAT_14	User Data_5.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
259	USER5_FLOAT_15	User Data_5.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
260	USER5_FLOAT_16	User Data_5.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
261	USER5_FLOAT_17	User Data_5.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
262	USER5_FLOAT_18	User Data_5.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
263	USER5_FLOAT_19	User Data_5.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
264	USER5_FLOAT_20	User Data_5.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
265	USER5_DOUBLE_1	User Data_5.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
266	USER5_DOUBLE_2	User Data_5.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
267	USER5_DOUBLE_3	User Data_5.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
268	USER5_DOUBLE_4	User Data_5.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
269	USER5_DOUBLE_5	User Data_5.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
270	USER5_DOUBLE_6	User Data_5.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
271	USER5_DOUBLE_7	User Data_5.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
272	USER5_DOUBLE_8	User Data_5.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
273	USER5_DOUBLE_9	User Data_5.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
274	USER5_DOUBLE_10	User Data_5.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
275	USER5_LONG_1	User Data_5.LONG_1	FIXED_OBJ_REF	0	User Data Point
276	USER5_LONG_2	User Data_5.LONG_2	FIXED_OBJ_REF	0	User Data Point
277	USER5_LONG_3	User Data_5.LONG_3	FIXED_OBJ_REF	0	User Data Point
278	USER5_LONG_4	User Data_5.LONG_4	FIXED_OBJ_REF	0	User Data Point
279	USER5_LONG_5	User Data_5.LONG_5	FIXED_OBJ_REF	0	User Data Point
280	USER5_LONG_6	User Data_5.LONG_6	FIXED_OBJ_REF	0	User Data Point
281	USER5_LONG_7	User Data_5.LONG_7	FIXED_OBJ_REF	0	User Data Point
282	USER5_LONG_8	User Data_5.LONG_8	FIXED_OBJ_REF	0	User Data Point
283	USER5_LONG_9	User Data_5.LONG_9	FIXED_OBJ_REF	0	User Data Point
284	USER5_LONG_10	User Data_5.LONG_10	FIXED_OBJ_REF	0	User Data Point
285	USER5_SHORT_1	User Data_5.SHORT_1	FIXED_OBJ_REF	0	User Data Point
286	USER5_SHORT_2	User Data_5.SHORT_2	FIXED_OBJ_REF	0	User Data Point
287	USER5_SHORT_3	User Data_5.SHORT_3	FIXED_OBJ_REF	0	User Data Point
288	USER5_SHORT_4	User Data_5.SHORT_4	FIXED_OBJ_REF	0	User Data Point
289	USER5_SHORT_5	User Data_5.SHORT_5	FIXED_OBJ_REF	0	User Data Point
290	USER5_SHORT_6	User Data_5.SHORT_6	FIXED_OBJ_REF	0	User Data Point
291	USER5_SHORT_7	User Data_5.SHORT_7	FIXED_OBJ_REF	0	User Data Point
292	USER5_SHORT_8	User Data_5.SHORT_8	FIXED_OBJ_REF	0	User Data Point
293	USER5_SHORT_9	User Data_5.SHORT_9	FIXED_OBJ_REF	0	User Data Point
294	USER5_SHORT_10	User Data_5.SHORT_10	FIXED_OBJ_REF	0	User Data Point
295	USER5_BYTE_1	User Data_5.BYTE_1	FIXED_OBJ_REF	0	User Data Point
296	USER5_BYTE_2	User Data_5.BYTE_2	FIXED_OBJ_REF	0	User Data Point
297	USER5_BYTE_3	User Data_5.BYTE_3	FIXED_OBJ_REF	0	User Data Point
298	USER5_BYTE_4	User Data_5.BYTE_4	FIXED_OBJ_REF	0	User Data Point
299	USER5_BYTE_5	User Data_5.BYTE_5	FIXED_OBJ_REF	0	User Data Point
300	USER5_BYTE_6	User Data_5.BYTE_6	FIXED_OBJ_REF	0	User Data Point
301	USER5_BYTE_7	User Data_5.BYTE_7	FIXED_OBJ_REF	0	User Data Point
302	USER5_BYTE_8	User Data_5.BYTE_8	FIXED_OBJ_REF	0	User Data Point
303	USER5_BYTE_9	User Data_5.BYTE_9	FIXED_OBJ_REF	0	User Data Point
304	USER5_BYTE_10	User Data_5.BYTE_10	FIXED_OBJ_REF	0	User Data Point
305	USER5_EVENT_LOG_OPT	User Data_5.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
306	USER6_FLOAT_1	User Data_6.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
307	USER6_FLOAT_2	User Data_6.FLOAT_2	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
308	USER6_FLOAT_3	User Data_6.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
309	USER6_FLOAT_4	User Data_6.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
310	USER6_FLOAT_5	User Data_6.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
311	USER6_FLOAT_6	User Data_6.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
312	USER6_FLOAT_7	User Data_6.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
313	USER6_FLOAT_8	User Data_6.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
314	USER6_FLOAT_9	User Data_6.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
315	USER6_FLOAT_10	User Data_6.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
316	USER6_FLOAT_11	User Data_6.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
317	USER6_FLOAT_12	User Data_6.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
318	USER6_FLOAT_13	User Data_6.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
319	USER6_FLOAT_14	User Data_6.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
320	USER6_FLOAT_15	User Data_6.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
321	USER6_FLOAT_16	User Data_6.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
322	USER6_FLOAT_17	User Data_6.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
323	USER6_FLOAT_18	User Data_6.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
324	USER6_FLOAT_19	User Data_6.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
325	USER6_FLOAT_20	User Data_6.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
326	USER6_DOUBLE_1	User Data_6.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
327	USER6_DOUBLE_2	User Data_6.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
328	USER6_DOUBLE_3	User Data_6.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
329	USER6_DOUBLE_4	User Data_6.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
330	USER6_DOUBLE_5	User Data_6.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
331	USER6_DOUBLE_6	User Data_6.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
332	USER6_DOUBLE_7	User Data_6.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
333	USER6_DOUBLE_8	User Data_6.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
334	USER6_DOUBLE_9	User Data_6.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
335	USER6_DOUBLE_10	User Data_6.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
336	USER6_LONG_1	User Data_6.LONG_1	FIXED_OBJ_REF	0	User Data Point
337	USER6_LONG_2	User Data_6.LONG_2	FIXED_OBJ_REF	0	User Data Point
338	USER6_LONG_3	User Data_6.LONG_3	FIXED_OBJ_REF	0	User Data Point
339	USER6_LONG_4	User Data_6.LONG_4	FIXED_OBJ_REF	0	User Data Point
340	USER6_LONG_5	User Data_6.LONG_5	FIXED_OBJ_REF	0	User Data Point
341	USER6_LONG_6	User Data_6.LONG_6	FIXED_OBJ_REF	0	User Data Point
342	USER6_LONG_7	User Data_6.LONG_7	FIXED_OBJ_REF	0	User Data Point
343	USER6_LONG_8	User Data_6.LONG_8	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
344	USER6_LONG_9	User Data_6.LONG_9	FIXED_OBJ_REF	0	User Data Point
345	USER6_LONG_10	User Data_6.LONG_10	FIXED_OBJ_REF	0	User Data Point
346	USER6_SHORT_1	User Data_6.SHORT_1	FIXED_OBJ_REF	0	User Data Point
347	USER6_SHORT_2	User Data_6.SHORT_2	FIXED_OBJ_REF	0	User Data Point
348	USER6_SHORT_3	User Data_6.SHORT_3	FIXED_OBJ_REF	0	User Data Point
349	USER6_SHORT_4	User Data_6.SHORT_4	FIXED_OBJ_REF	0	User Data Point
350	USER6_SHORT_5	User Data_6.SHORT_5	FIXED_OBJ_REF	0	User Data Point
351	USER6_SHORT_6	User Data_6.SHORT_6	FIXED_OBJ_REF	0	User Data Point
352	USER6_SHORT_7	User Data_6.SHORT_7	FIXED_OBJ_REF	0	User Data Point
353	USER6_SHORT_8	User Data_6.SHORT_8	FIXED_OBJ_REF	0	User Data Point
354	USER6_SHORT_9	User Data_6.SHORT_9	FIXED_OBJ_REF	0	User Data Point
355	USER6_SHORT_10	User Data_6.SHORT_10	FIXED_OBJ_REF	0	User Data Point
356	USER6_BYTE_1	User Data_6.BYTE_1	FIXED_OBJ_REF	0	User Data Point
357	USER6_BYTE_2	User Data_6.BYTE_2	FIXED_OBJ_REF	0	User Data Point
358	USER6_BYTE_3	User Data_6.BYTE_3	FIXED_OBJ_REF	0	User Data Point
359	USER6_BYTE_4	User Data_6.BYTE_4	FIXED_OBJ_REF	0	User Data Point
360	USER6_BYTE_5	User Data_6.BYTE_5	FIXED_OBJ_REF	0	User Data Point
361	USER6_BYTE_6	User Data_6.BYTE_6	FIXED_OBJ_REF	0	User Data Point
362	USER6_BYTE_7	User Data_6.BYTE_7	FIXED_OBJ_REF	0	User Data Point
363	USER6_BYTE_8	User Data_6.BYTE_8	FIXED_OBJ_REF	0	User Data Point
364	USER6_BYTE_9	User Data_6.BYTE_9	FIXED_OBJ_REF	0	User Data Point
365	USER6_BYTE_10	User Data_6.BYTE_10	FIXED_OBJ_REF	0	User Data Point
366	USER6_EVENT_LOG_OPT	User Data_6.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
367	USER7_FLOAT_1	User Data_7.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
368	USER7_FLOAT_2	User Data_7.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
369	USER7_FLOAT_3	User Data_7.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
370	USER7_FLOAT_4	User Data_7.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
371	USER7_FLOAT_5	User Data_7.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
372	USER7_FLOAT_6	User Data_7.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
373	USER7_FLOAT_7	User Data_7.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
374	USER7_FLOAT_8	User Data_7.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
375	USER7_FLOAT_9	User Data_7.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
376	USER7_FLOAT_10	User Data_7.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
377	USER7_FLOAT_11	User Data_7.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
378	USER7_FLOAT_12	User Data_7.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
379	USER7_FLOAT_13	User Data_7.FLOAT_13	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
380	USER7_FLOAT_14	User Data_7.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
381	USER7_FLOAT_15	User Data_7.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
382	USER7_FLOAT_16	User Data_7.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
383	USER7_FLOAT_17	User Data_7.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
384	USER7_FLOAT_18	User Data_7.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
385	USER7_FLOAT_19	User Data_7.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
386	USER7_FLOAT_20	User Data_7.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
387	USER7_DOUBLE_1	User Data_7.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
388	USER7_DOUBLE_2	User Data_7.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
389	USER7_DOUBLE_3	User Data_7.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
390	USER7_DOUBLE_4	User Data_7.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point
391	USER7_DOUBLE_5	User Data_7.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
392	USER7_DOUBLE_6	User Data_7.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
393	USER7_DOUBLE_7	User Data_7.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
394	USER7_DOUBLE_8	User Data_7.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
395	USER7_DOUBLE_9	User Data_7.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
396	USER7_DOUBLE_10	User Data_7.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
397	USER7_LONG_1	User Data_7.LONG_1	FIXED_OBJ_REF	0	User Data Point
398	USER7_LONG_2	User Data_7.LONG_2	FIXED_OBJ_REF	0	User Data Point
399	USER7_LONG_3	User Data_7.LONG_3	FIXED_OBJ_REF	0	User Data Point
400	USER7_LONG_4	User Data_7.LONG_4	FIXED_OBJ_REF	0	User Data Point
401	USER7_LONG_5	User Data_7.LONG_5	FIXED_OBJ_REF	0	User Data Point
402	USER7_LONG_6	User Data_7.LONG_6	FIXED_OBJ_REF	0	User Data Point
403	USER7_LONG_7	User Data_7.LONG_7	FIXED_OBJ_REF	0	User Data Point
404	USER7_LONG_8	User Data_7.LONG_8	FIXED_OBJ_REF	0	User Data Point
405	USER7_LONG_9	User Data_7.LONG_9	FIXED_OBJ_REF	0	User Data Point
406	USER7_LONG_10	User Data_7.LONG_10	FIXED_OBJ_REF	0	User Data Point
407	USER7_SHORT_1	User Data_7.SHORT_1	FIXED_OBJ_REF	0	User Data Point
408	USER7_SHORT_2	User Data_7.SHORT_2	FIXED_OBJ_REF	0	User Data Point
409	USER7_SHORT_3	User Data_7.SHORT_3	FIXED_OBJ_REF	0	User Data Point
410	USER7_SHORT_4	User Data_7.SHORT_4	FIXED_OBJ_REF	0	User Data Point
411	USER7_SHORT_5	User Data_7.SHORT_5	FIXED_OBJ_REF	0	User Data Point
412	USER7_SHORT_6	User Data_7.SHORT_6	FIXED_OBJ_REF	0	User Data Point
413	USER7_SHORT_7	User Data_7.SHORT_7	FIXED_OBJ_REF	0	User Data Point
414	USER7_SHORT_8	User Data_7.SHORT_8	FIXED_OBJ_REF	0	User Data Point
415	USER7_SHORT_9	User Data_7.SHORT_9	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
416	USER7_SHORT_10	User Data_7.SHORT_10	FIXED_OBJ_REF	0	User Data Point
417	USER7_BYTE_1	User Data_7.BYTE_1	FIXED_OBJ_REF	0	User Data Point
418	USER7_BYTE_2	User Data_7.BYTE_2	FIXED_OBJ_REF	0	User Data Point
419	USER7_BYTE_3	User Data_7.BYTE_3	FIXED_OBJ_REF	0	User Data Point
420	USER7_BYTE_4	User Data_7.BYTE_4	FIXED_OBJ_REF	0	User Data Point
421	USER7_BYTE_5	User Data_7.BYTE_5	FIXED_OBJ_REF	0	User Data Point
422	USER7_BYTE_6	User Data_7.BYTE_6	FIXED_OBJ_REF	0	User Data Point
423	USER7_BYTE_7	User Data_7.BYTE_7	FIXED_OBJ_REF	0	User Data Point
424	USER7_BYTE_8	User Data_7.BYTE_8	FIXED_OBJ_REF	0	User Data Point
425	USER7_BYTE_9	User Data_7.BYTE_9	FIXED_OBJ_REF	0	User Data Point
426	USER7_BYTE_10	User Data_7.BYTE_10	FIXED_OBJ_REF	0	User Data Point
427	USER7_EVENT_LOG_OPT	User Data_7.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point
428	USER8_FLOAT_1	User Data_8.FLOAT_1	FIXED_OBJ_REF	0	User Data Point
429	USER8_FLOAT_2	User Data_8.FLOAT_2	FIXED_OBJ_REF	0	User Data Point
430	USER8_FLOAT_3	User Data_8.FLOAT_3	FIXED_OBJ_REF	0	User Data Point
431	USER8_FLOAT_4	User Data_8.FLOAT_4	FIXED_OBJ_REF	0	User Data Point
432	USER8_FLOAT_5	User Data_8.FLOAT_5	FIXED_OBJ_REF	0	User Data Point
433	USER8_FLOAT_6	User Data_8.FLOAT_6	FIXED_OBJ_REF	0	User Data Point
434	USER8_FLOAT_7	User Data_8.FLOAT_7	FIXED_OBJ_REF	0	User Data Point
435	USER8_FLOAT_8	User Data_8.FLOAT_8	FIXED_OBJ_REF	0	User Data Point
436	USER8_FLOAT_9	User Data_8.FLOAT_9	FIXED_OBJ_REF	0	User Data Point
437	USER8_FLOAT_10	User Data_8.FLOAT_10	FIXED_OBJ_REF	0	User Data Point
438	USER8_FLOAT_11	User Data_8.FLOAT_11	FIXED_OBJ_REF	0	User Data Point
439	USER8_FLOAT_12	User Data_8.FLOAT_12	FIXED_OBJ_REF	0	User Data Point
440	USER8_FLOAT_13	User Data_8.FLOAT_13	FIXED_OBJ_REF	0	User Data Point
441	USER8_FLOAT_14	User Data_8.FLOAT_14	FIXED_OBJ_REF	0	User Data Point
442	USER8_FLOAT_15	User Data_8.FLOAT_15	FIXED_OBJ_REF	0	User Data Point
443	USER8_FLOAT_16	User Data_8.FLOAT_16	FIXED_OBJ_REF	0	User Data Point
444	USER8_FLOAT_17	User Data_8.FLOAT_17	FIXED_OBJ_REF	0	User Data Point
445	USER8_FLOAT_18	User Data_8.FLOAT_18	FIXED_OBJ_REF	0	User Data Point
446	USER8_FLOAT_19	User Data_8.FLOAT_19	FIXED_OBJ_REF	0	User Data Point
447	USER8_FLOAT_20	User Data_8.FLOAT_20	FIXED_OBJ_REF	0	User Data Point
448	USER8_DOUBLE_1	User Data_8.DOUBLE_1	FIXED_OBJ_REF	0	User Data Point
449	USER8_DOUBLE_2	User Data_8.DOUBLE_2	FIXED_OBJ_REF	0	User Data Point
450	USER8_DOUBLE_3	User Data_8.DOUBLE_3	FIXED_OBJ_REF	0	User Data Point
451	USER8_DOUBLE_4	User Data_8.DOUBLE_4	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
452	USER8_DOUBLE_5	User Data_8.DOUBLE_5	FIXED_OBJ_REF	0	User Data Point
453	USER8_DOUBLE_6	User Data_8.DOUBLE_6	FIXED_OBJ_REF	0	User Data Point
454	USER8_DOUBLE_7	User Data_8.DOUBLE_7	FIXED_OBJ_REF	0	User Data Point
455	USER8_DOUBLE_8	User Data_8.DOUBLE_8	FIXED_OBJ_REF	0	User Data Point
456	USER8_DOUBLE_9	User Data_8.DOUBLE_9	FIXED_OBJ_REF	0	User Data Point
457	USER8_DOUBLE_10	User Data_8.DOUBLE_10	FIXED_OBJ_REF	0	User Data Point
458	USER8_LONG_1	User Data_8.LONG_1	FIXED_OBJ_REF	0	User Data Point
459	USER8_LONG_2	User Data_8.LONG_2	FIXED_OBJ_REF	0	User Data Point
460	USER8_LONG_3	User Data_8.LONG_3	FIXED_OBJ_REF	0	User Data Point
461	USER8_LONG_4	User Data_8.LONG_4	FIXED_OBJ_REF	0	User Data Point
462	USER8_LONG_5	User Data_8.LONG_5	FIXED_OBJ_REF	0	User Data Point
463	USER8_LONG_6	User Data_8.LONG_6	FIXED_OBJ_REF	0	User Data Point
464	USER8_LONG_7	User Data_8.LONG_7	FIXED_OBJ_REF	0	User Data Point
465	USER8_LONG_8	User Data_8.LONG_8	FIXED_OBJ_REF	0	User Data Point
466	USER8_LONG_9	User Data_8.LONG_9	FIXED_OBJ_REF	0	User Data Point
467	USER8_LONG_10	User Data_8.LONG_10	FIXED_OBJ_REF	0	User Data Point
468	USER8_SHORT_1	User Data_8.SHORT_1	FIXED_OBJ_REF	0	User Data Point
469	USER8_SHORT_2	User Data_8.SHORT_2	FIXED_OBJ_REF	0	User Data Point
470	USER8_SHORT_3	User Data_8.SHORT_3	FIXED_OBJ_REF	0	User Data Point
471	USER8_SHORT_4	User Data_8.SHORT_4	FIXED_OBJ_REF	0	User Data Point
472	USER8_SHORT_5	User Data_8.SHORT_5	FIXED_OBJ_REF	0	User Data Point
473	USER8_SHORT_6	User Data_8.SHORT_6	FIXED_OBJ_REF	0	User Data Point
474	USER8_SHORT_7	User Data_8.SHORT_7	FIXED_OBJ_REF	0	User Data Point
475	USER8_SHORT_8	User Data_8.SHORT_8	FIXED_OBJ_REF	0	User Data Point
476	USER8_SHORT_9	User Data_8.SHORT_9	FIXED_OBJ_REF	0	User Data Point
477	USER8_SHORT_10	User Data_8.SHORT_10	FIXED_OBJ_REF	0	User Data Point
478	USER8_BYTE_1	User Data_8.BYTE_1	FIXED_OBJ_REF	0	User Data Point
479	USER8_BYTE_2	User Data_8.BYTE_2	FIXED_OBJ_REF	0	User Data Point
480	USER8_BYTE_3	User Data_8.BYTE_3	FIXED_OBJ_REF	0	User Data Point
481	USER8_BYTE_4	User Data_8.BYTE_4	FIXED_OBJ_REF	0	User Data Point
482	USER8_BYTE_5	User Data_8.BYTE_5	FIXED_OBJ_REF	0	User Data Point
483	USER8_BYTE_6	User Data_8.BYTE_6	FIXED_OBJ_REF	0	User Data Point
484	USER8_BYTE_7	User Data_8.BYTE_7	FIXED_OBJ_REF	0	User Data Point
485	USER8_BYTE_8	User Data_8.BYTE_8	FIXED_OBJ_REF	0	User Data Point
486	USER8_BYTE_9	User Data_8.BYTE_9	FIXED_OBJ_REF	0	User Data Point
487	USER8_BYTE_10	User Data_8.BYTE_10	FIXED_OBJ_REF	0	User Data Point

LIST 254					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
488	USER8_EVENT_LOG_OPT	User Data_8.EVENT_LOG_OPT	FIXED_OBJ_REF	0	User Data Point

4.4.43 List 255

Note: This list includes all BSAP/IBP configuration parameters.

LIST 255					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
1	@GV.BSAP_1_ADDRESS	BSAP_1.BSAP_ADDR	FIXED_OBJ_REF	1	BSAP local address
2	@GV.BSAP_1_GROUP	BSAP_1.BSAP_GROUP	FIXED_OBJ_REF	0	EBSAP group number
3	@GV.BSAP1_POLL_PERIOD	BSAP_1.POLL_PERIOD	FIXED_OBJ_REF	300	Polling cycle time in seconds for port. Applies to Master and Slave.
4	@GV.BSAP_1_INACTIVITY_TMO	BSAP_1.LOGIN_TMOUT	FIXED_OBJ_REF	300	Log out if no activity on port after this number of seconds
5	@GV.TIME_1_SYNCH	BSAP_1.TIME_SYNCH	FIXED_OBJ_REF	ON	Allow BSAP time sync (TS) command on port.
6	@GV.SIG_1_NAME_FORMAT	BSAP_1.SIG_NAME_FORMAT	FIXED_OBJ_REF	1	Signal name format: 0 = ControlWave 1 =Native 2 = ACCOL
7	@GV.ALARM_1_FORMAT	BSAP_1.ALARM_FORMAT	FIXED_OBJ_REF	ON	OFF=Standard Alarm reporting format ON=Extended Alarm Reporting format
8	@GV.BSAP1_ARCH_ARY_FMT	BSAP_1.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF	0	See Table 3-3.
9	@GV.BSAP_1_ARCH_TS_MODE	BSAP_1.ARCH_TS_MODE	FIXED_OBJ_REF	OFF	OFF – Use timestamp from start of logging period. ON = Use timestamp from end of logging period
10	@GV.BSAP_1_REQUIRE_LOGIN	BSAP_1.REQUIRE_LOGIN	FIXED_OBJ_REF	1	0 – No login required 1= Require login to the port with a valid username / password combination.
11	@GV.BSAP_2_ADDRESS	BSAP_2.BSAP_ADDR	FIXED_OBJ_REF	1	BSAP local address
12	@GV.BSAP_2_GROUP	BSAP_2.BSAP_GROUP	FIXED_OBJ_REF	0	EBSAP group number

LIST 255					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
13	@GV.BSAP2_POLL_PERIOD	BSAP_2.POLL_PERIOD	FIXED_OBJ_REF	300	Polling cycle time in seconds for port. Applies to Master and Slave.
14	@GV.BSAP_2_INACTIVITY_TMO	BSAP_2.LOGIN_TMOUT	FIXED_OBJ_REF	300	Log out if no activity on port after this number of seconds
15	@GV.TIME_2_SYNCH	BSAP_2.TIME_SYNCH	FIXED_OBJ_REF	ON	Allow BSAP time sync (TS) command on port.
16	@GV.SIG_2_NAME_FORMAT	BSAP_2.SIG_NAME_FORMAT	FIXED_OBJ_REF	ON	Signal name format: 0 = ControlWave 1 =Native 2 = ACCOL
17	@GV.ALARM_2_FORMAT	BSAP_2.ALARM_FORMAT	FIXED_OBJ_REF	ON	OFF=Standard Alarm reporting format ON=Extended Alarm Reporting format
18	@GV.BSAP2_ARCH_ARY_FMT	BSAP_2.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF	0	See Table 3-3.
19	@GV.BSAP_2_ARCH_TS_MODE	BSAP_2.ARCH_TS_MODE	FIXED_OBJ_REF	OFF	OFF – Use timestamp from start of logging period. ON = Use timestamp from end of logging period
20	@GV.BSAP_2_REQUIRE_LOGIN	BSAP_2.REQUIRE_LOGIN	FIXED_OBJ_REF	1	0 – No login required 1= Require login to the port with a valid username / password combination.
21	@GV.BSAP_3_ADDRESS	BSAP_3.BSAP_ADDR	FIXED_OBJ_REF	1	BSAP local address
22	@GV.BSAP_3_GROUP	BSAP_3.BSAP_GROUP	FIXED_OBJ_REF	0	EBSAP group number
23	@GV.BSAP3_POLL_PERIOD	BSAP_3.POLL_PERIOD	FIXED_OBJ_REF	300	Polling cycle time in seconds for port. Applies to Master and Slave.
24	@GV.BSAP_3_INACTIVITY_TMO	BSAP_3.LOGIN_TMOUT	FIXED_OBJ_REF	300	Log out if no activity on port after this number of seconds
25	@GV.TIME_3_SYNCH	BSAP_3.TIME_SYNCH	FIXED_OBJ_REF	ON	Allow BSAP time sync (TS) command on port.
26	@GV.SIG_3_NAME_FORMAT	BSAP_3.SIG_NAME_FORMAT	FIXED_OBJ_REF	ON	Signal name format: 0 = ControlWave 1 =Native 2 = ACCOL

LIST 255					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
27	@GV.ALARM_3_FORMAT	BSAP_3.ALARM_FORMAT	FIXED_OBJ_REF	ON	OFF=Standard Alarm reporting format ON=Extended Alarm Reporting format
28	@GV.BSAP3_ARCH_ARY_FMT	BSAP_3.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF	0	See Table 3-3.
29	@GV.BSAP_3_ARCH_TS_MODE	BSAP_3.ARCH_TS_MODE	FIXED_OBJ_REF	OFF	OFF – Use timestamp from start of logging period. ON = Use timestamp from end of logging period
30	@GV.BSAP_3_REQUIRE_LOGIN	BSAP_3.REQUIRE_LOGIN	FIXED_OBJ_REF	1	0 – No login required 1= Require login to the port with a valid username / password combination.
31	@GV.BSAP_4_ADDRESS	BSAP_4.BSAP_ADDR	FIXED_OBJ_REF	1	BSAP local address
32	@GV.BSAP_4_GROUP	BSAP_4.BSAP_GROUP	FIXED_OBJ_REF	0	EBSAP group number
33	@GV.BSAP4_POLL_PERIOD	BSAP_4.POLL_PERIOD	FIXED_OBJ_REF	300	Polling cycle time in seconds for port. Applies to Master and Slave.
34	@GV.BSAP_4_INACTIVITY_TMO	BSAP_4.LOGIN_TMOUT	FIXED_OBJ_REF	300	Log out if no activity on port after this number of seconds
35	@GV.BSAP_4_TIME_SYNCH	BSAP_4.TIME_SYNCH	FIXED_OBJ_REF	ON	Allow BSAP time sync (TS) command on port.
36	@GV.BSAP_4_NAME_FORMAT	BSAP_4.SIG_NAME_FORMAT	FIXED_OBJ_REF	ON	Signal name format: 0 = ControlWave 1 =Native 2 = ACCOL
37	@GV.BSAP_4_ALARM_FORMAT	BSAP_4.ALARM_FORMAT	FIXED_OBJ_REF	ON	OFF=Standard Alarm reporting format ON=Extended Alarm Reporting format
38	@GV.BSAP4_ARCH_ARY_FMT	BSAP_4.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF	0	See Table 3-3.
39	@GV.BSAP_4_ARCH_TS_MODE	BSAP_4.ARCH_TS_MODE	FIXED_OBJ_REF	OFF	OFF – Use timestamp from start of logging period. ON = Use timestamp from end of logging period
40	@GV.BSAP_4_REQUIRE_LOGIN	BSAP_4.REQUIRE_LOGIN	FIXED_OBJ_REF	1	0 – No login required 1= Require login to the port with a valid

LIST 255					
	ControlWave Name	FBx Device Tag Name (# = No Tag Name)	Dynamic Object Name	Default	Description
					username / password combination.
41	@GV.BSAP_5_ADDRESS	BSAP_5.BSAP_ADDR	FIXED_OBJ_REF	1	BSAP local address
42	@GV.BSAP_5_GROUP	BSAP_5.BSAP_GROUP	FIXED_OBJ_REF	0	EBSAP group number
43	@GV.BSAP5_POLL_PERIOD	BSAP_5.POLL_PERIOD	FIXED_OBJ_REF	300	Polling cycle time in seconds for port. Applies to Master and Slave.
44	@GV.BSAP_5_INACTIVITY_TMO	BSAP_5.LOGIN_TMOUT	FIXED_OBJ_REF	300	Log out if no activity on port after this number of seconds
45	@GV.BSAP_5_TIME_SYNCH	BSAP_5.TIME_SYNCH	FIXED_OBJ_REF	ON	Allow BSAP time sync (TS) command on port.
46	@GV.BSAP_5_NAME_FORMAT	BSAP_5.SIG_NAME_FORMAT	FIXED_OBJ_REF	ON	Signal name format: 0 = ControlWave 1 =Native 2 = ACCOL
47	@GV.BSAP_5_ALARM_FORMAT	BSAP_5.ALARM_FORMAT	FIXED_OBJ_REF	ON	OFF=Standard Alarm reporting format ON=Extended Alarm Reporting format
48	@GV.BSAP5_ARCH_ARY_FMT	BSAP_5.ARCH_ARRAY_FORMAT	FIXED_OBJ_REF	0	See Table 3-3.
49	@GV.BSAP_5_REQUIRE_LOGIN	BSAP_5.REQUIRE_LOGIN	FIXED_OBJ_REF	1	0 – No login required 1= Require login to the port with a valid username / password combination.
50	@GV.BSAP_5_ARCH_TS_MODE	BSAP_5.ARCH_TS_MODE	FIXED_OBJ_REF	OFF	OFF – Use timestamp from start of logging period. ON = Use timestamp from end of logging period
51	@GV.BSAP5_UDP_ENABLE	BSAP_5.UDP_ENABLE	FIXED_OBJ_REF	ON	Set ON to enable IBP communication.
52	@GV.BSAP5_UDP_IBP_PORT	BSAP_5.UDP_IBP_PORT	FIXED_OBJ_REF	1234	UDP Port number used for IBP communication.
53	@GV.BSAP_NHP_PRIMARY	BSAP_5.NHP_PRIMARY	FIXED_OBJ_REF	0	Primary IP address of host.
54	@GV.BSAP_NHP_SECONDARY	BSAP_5.NHP_SECONDARY	FIXED_OBJ_REF	0	Secondary IP address of host.

For customer service and technical support,
visit *www.Emerson.com/Supportnet*

Global Headquarters,
North America, and Latin America:
Emerson Automation Solutions
Remote Automation Solutions
6005 Rogerdale Road
Houston, TX 77072 U.S.A.
T +1 281 879 2699 | F +1 281 988 4445
www.Emerson.com/RemoteAutomation

Europe:
Emerson Automation Solutions
Remote Automation Solutions
Unit 1, Waterfront Business Park
Dudley Road, Brierley Hill
Dudley DY5 1LX UK
T +44 1384 487200 | F +44 1384 487258

Middle East/Africa:
Emerson Automation Solutions
Remote Automation Solutions
Emerson FZE
P.O. Box 17033
Jebel Ali Free Zone – South 2
Dubai U.A.E.
T +971 4 8118100 | F +971 4 8865465

Asia-Pacific:
Emerson Automation Solutions
Remote Automation Solutions
1 Pandan Crescent
Singapore 128461
T +65 6777 8211 | F +65 6777 0947

EMERSON