

Diagram Viewer

The Diagram Viewer tool brings diagrams and schematics alive by changing diagram attributes, such as color or text, based on telemetry data.

For a video tutorial on using the Diagram Viewer, click [here](#)

To view the training presentation in PDF form, click [here](#)

To download the training presentation as a PowerPoint file, click [here](#)

The screenshot displays the Diagram Viewer application interface. On the left, there is a sidebar with a 'Database Selector' and a 'Diagram Selector' panel. Below these is a 'Time Range/Interval Selector' with fields for 'From' and 'To' dates and times. The main area is divided into several sections: a 'Diagram Summary' panel at the top right, a 'Switches' table, an 'Indicators' table, and a large 'Diagram' panel at the bottom. The 'Switches' table lists valves 1 through 9 with their status and trigger events. The 'Indicators' table lists the same valves with their fill colors and mnemonic labels. The 'Diagram' panel shows a complex schematic of the 'DraMS Instrument FM Gas Processing System (GPS) Gas Flow Diagram (GFD)'. The diagram includes various components like valves (V1-V9), pressure gauges (P00-P13), and flow meters (MN1-MN4). A legend at the bottom left identifies symbols for 'Manifold (MN)', 'Pyro oven', and 'Water separator'. The diagram is annotated with various labels and data points, and a NASA logo is visible in the top right corner of the diagram area.

Status	Label	Type	Trigger	Override
X	Valve 1	Event	On: "valve 1 open"; Off: "valve 1 closed"	IE
X	Valve 2	Event	On: "valve 2 open"; Off: "valve 2 closed"	IE
X	Valve 3	Event	On: "valve 3 open"; Off: "valve 3 closed"	IE
X	Valve 4	Event	On: "valve 4 open"; Off: "valve 4 closed"	IE
X	Valve 5	Event	On: "valve 5 open"; Off: "valve 5 closed"	IE
X	Valve 6	Event	On: "valve 6 open"; Off: "valve 6 closed"	IE
X	Valve 7	Event	On: "valve 7 open"; Off: "valve 7 closed"	IE
X	Valve 8	Event	On: "valve 8 open"; Off: "valve 8 closed"	IE
X	Valve 9	Event	On: "valve 9 open"; Off: "valve 9 closed"	IE

Status	Label	Switches	Effects	Mnemonic
X	Valve 1	Valve 1	Fill: red	none
X	Valve 2	Valve 2	Fill: red	none
X	Valve 3	Valve 3	Fill: red	none
X	Valve 4	Valve 4	Fill: red	none
X	Valve 5	Valve 5	Fill: red	none
X	Valve 6	Valve 6	Fill: red	none
X	Valve 7	Valve 7	Fill: red	none
X	Valve 8	Valve 8	Fill: red	none
X	Valve 9	Valve 9	Fill: red	none

The file attachment on the left contains a step-by-step description of using the Diagram Viewer.

Revision #3

Created 3 November 2025 14:03:07 by Eric Lyness

Updated 3 November 2025 19:12:23 by Eric Lyness