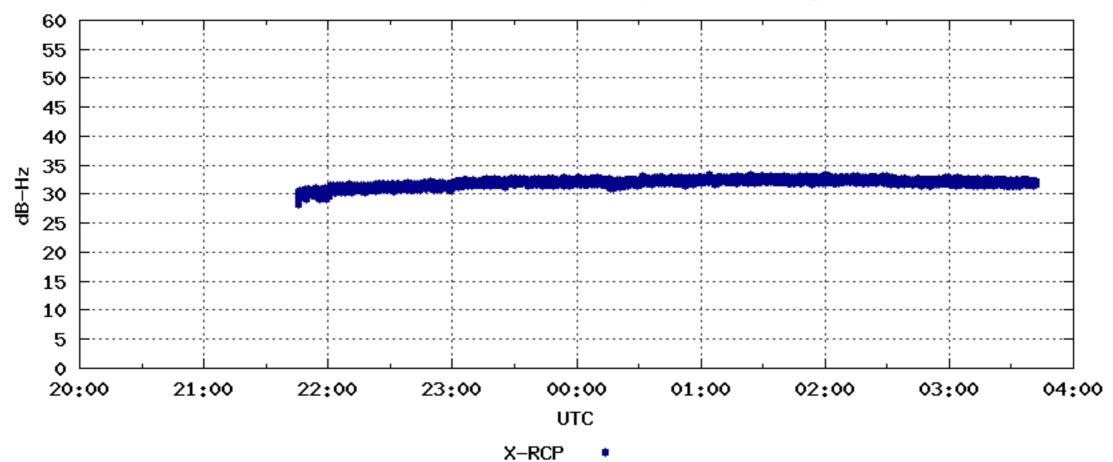
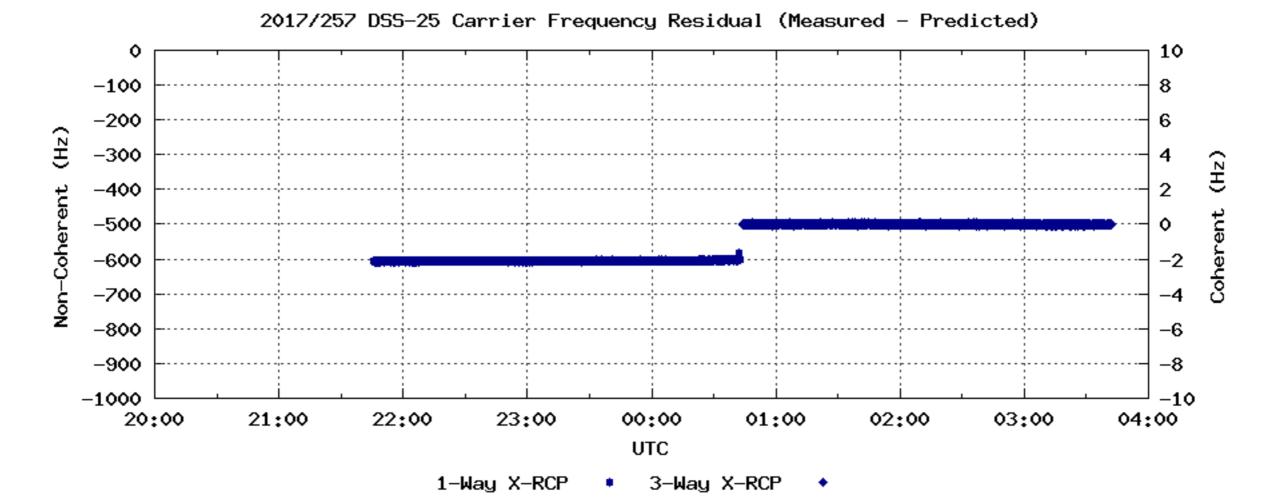
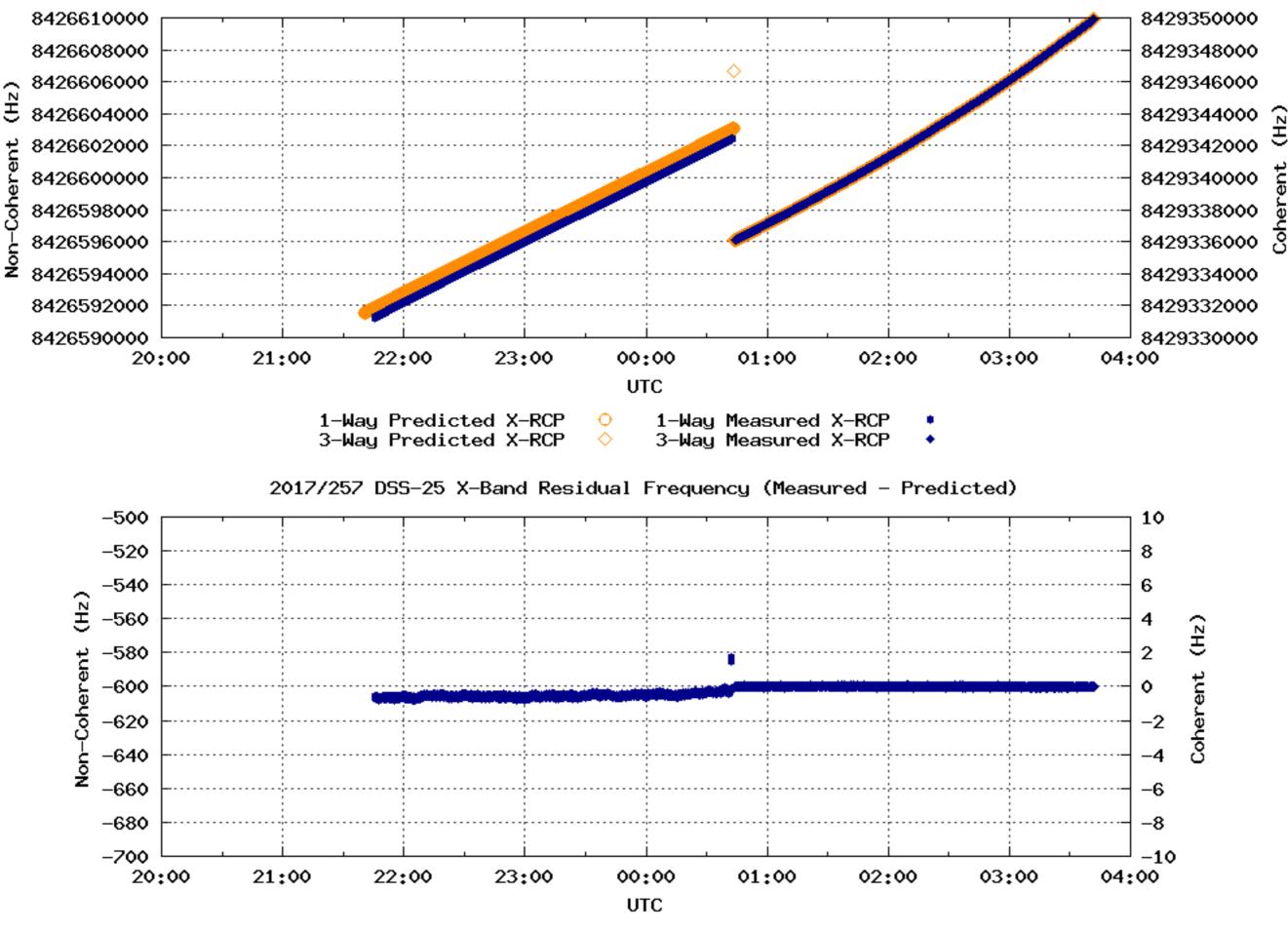
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DSS: 25
Monitor File: SC100RT2017_257_2040_25_MON.ecsv
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60 minutes omitted from beginning of file
5 minutes omitted from end of file

- 02. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Residual Frequency
- 03. X-Band Measured Carrier Frequency, Predicted Carrier Frequency, and Residual Frequency
- 04. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Carrier Power
- 05. Carrier Power to Noise Spectral Density Ratio (Pc/No) and System Noise Temperature
- 06. Carrier Loop Tracking Bandwidth
- 07. AGC Voltage
- 08. Azimuth & Elevation
- 09. Weather: Air Temperature, Dew Point Temperature, Relative Humidity, Precipitation Rate, and Barometric Pressure
- 10. Wind Speed and Direction
- 11. Conscan Drive Status
- 12. Azimuth & Elevation Monopulse Corrections
- 13. Azimuth & Elevation Residuals
- 14. System Noise Temperature, Elevation, Precipitation Rate, and Relative Humidity
- 15. Elevation & Azimuth, Elevation & Azimuth Corrections, and Wind Speed and Direction
- 16. Index



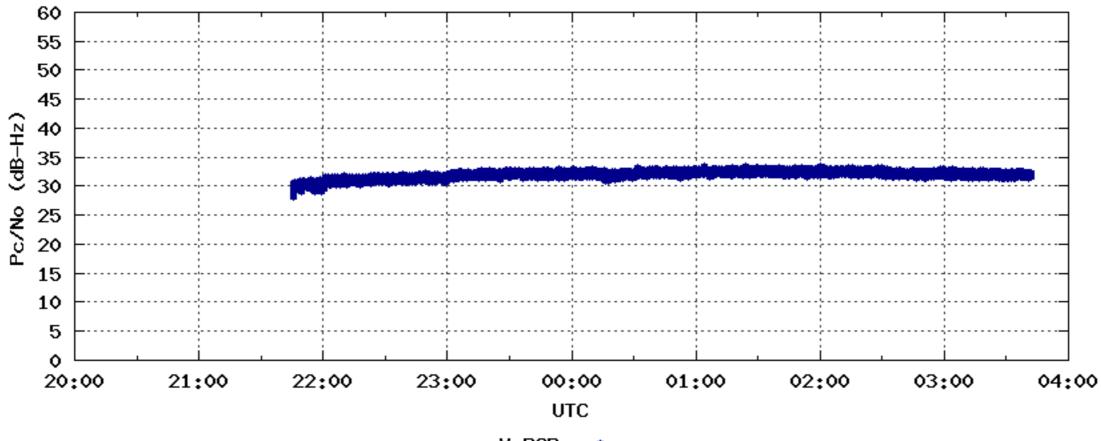
2017/257 DSS-25 Carrier Power to Noise Spectral Density Ratio (Pc/No)





2017/257 DSS-25 X-Band Measured and Predicted Carrier Frequency

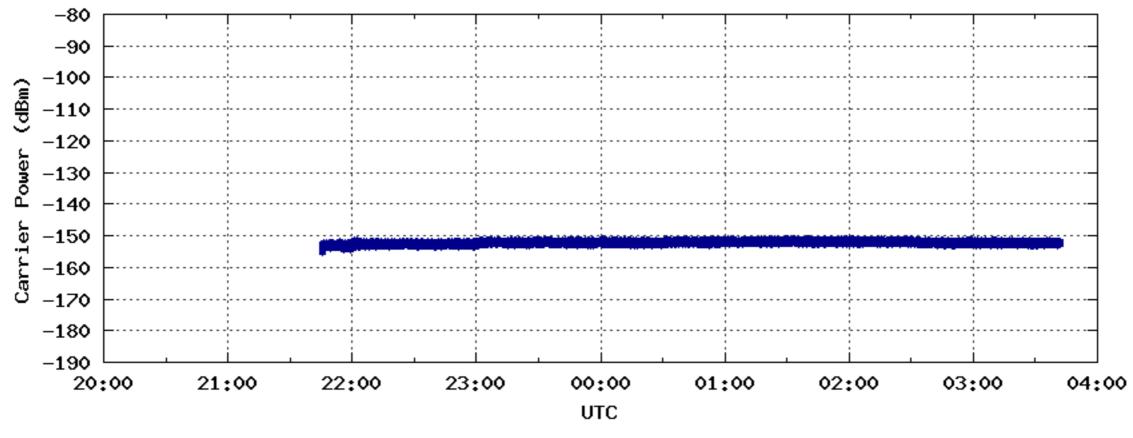
1-Way X-RCP • 3-Way X-RCP •



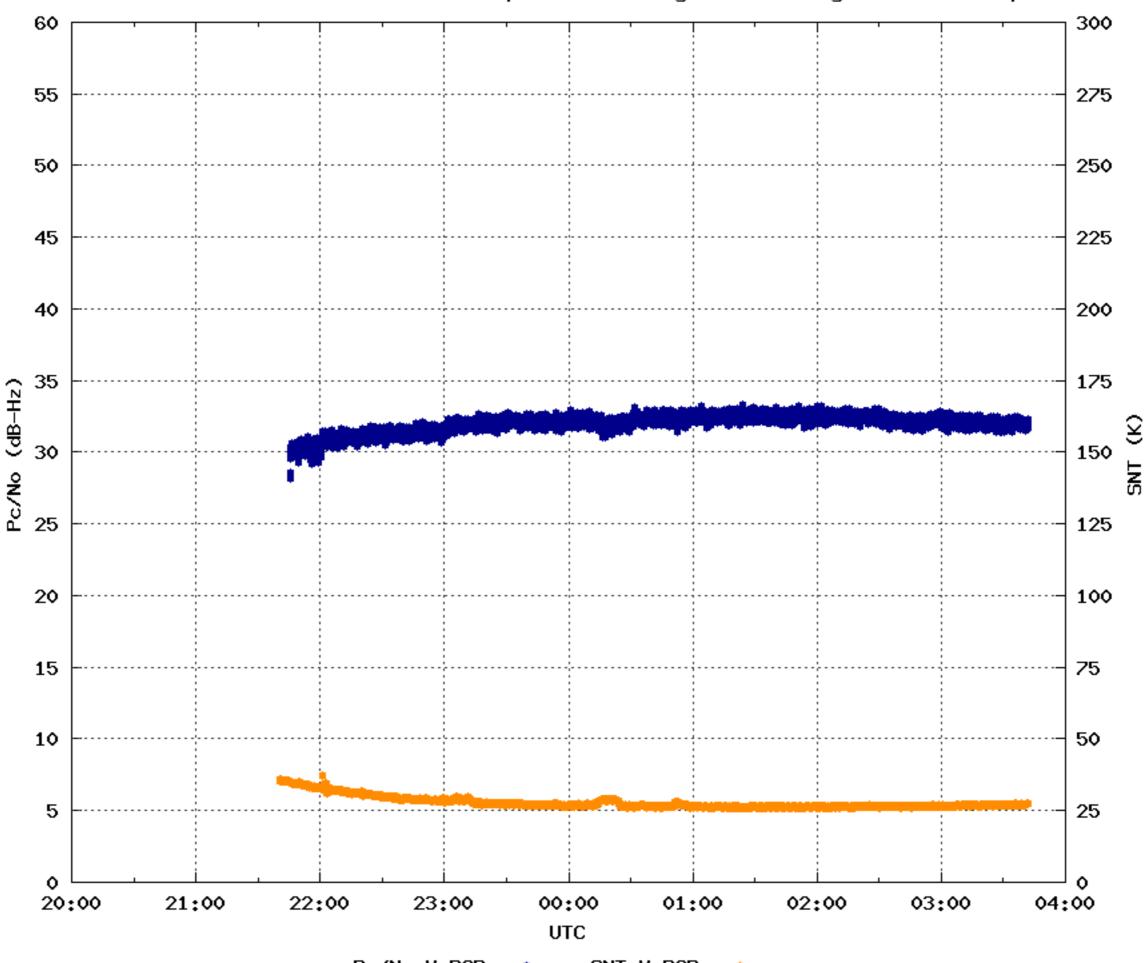
2017/257 DSS-25 Carrier Power to Noise Spectral Density Ratio (Pc/No)

X-RCP •

2017/257 DSS-25 Carrier Power



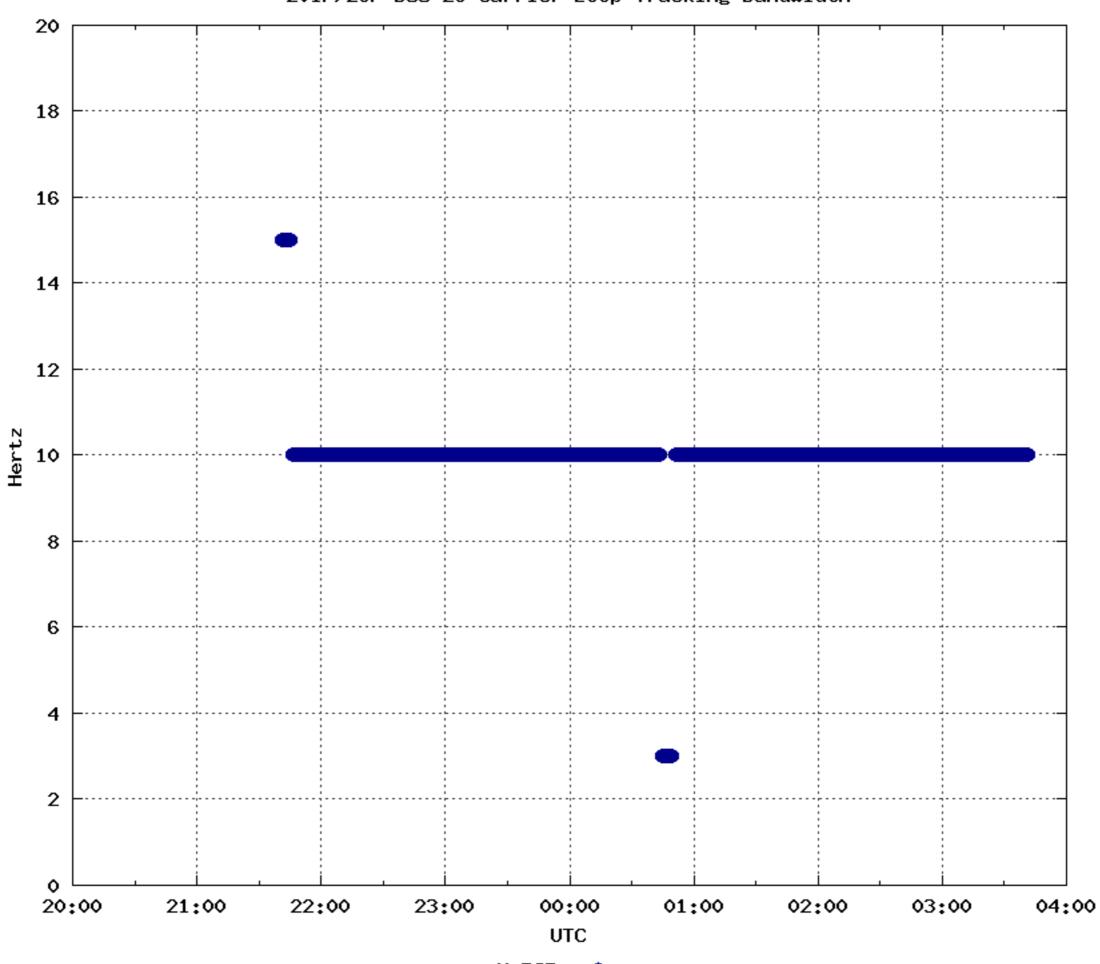
X-RCP



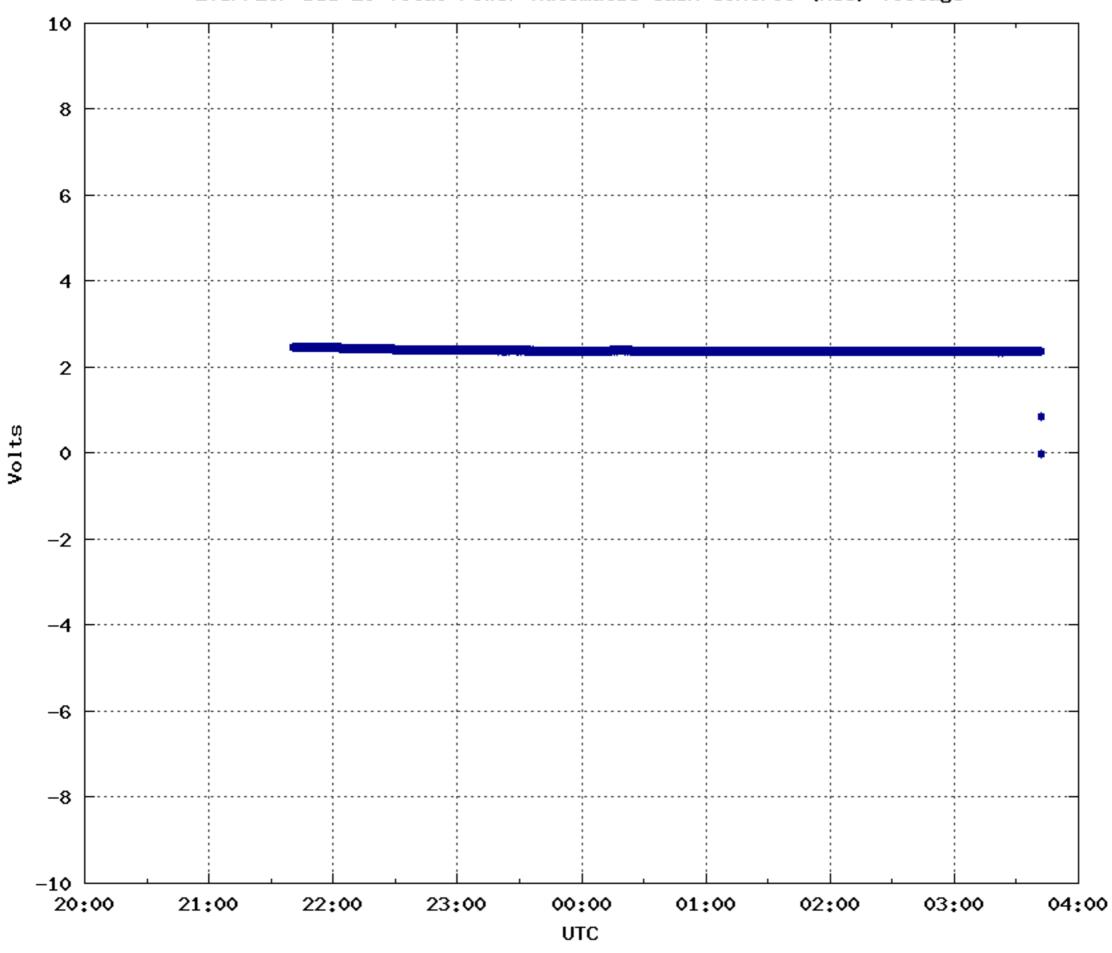
2017/257 DSS-25 Carrier Power to Noise Spectral Density Ratio and System Noise Temperature

Pc/No X-RCP

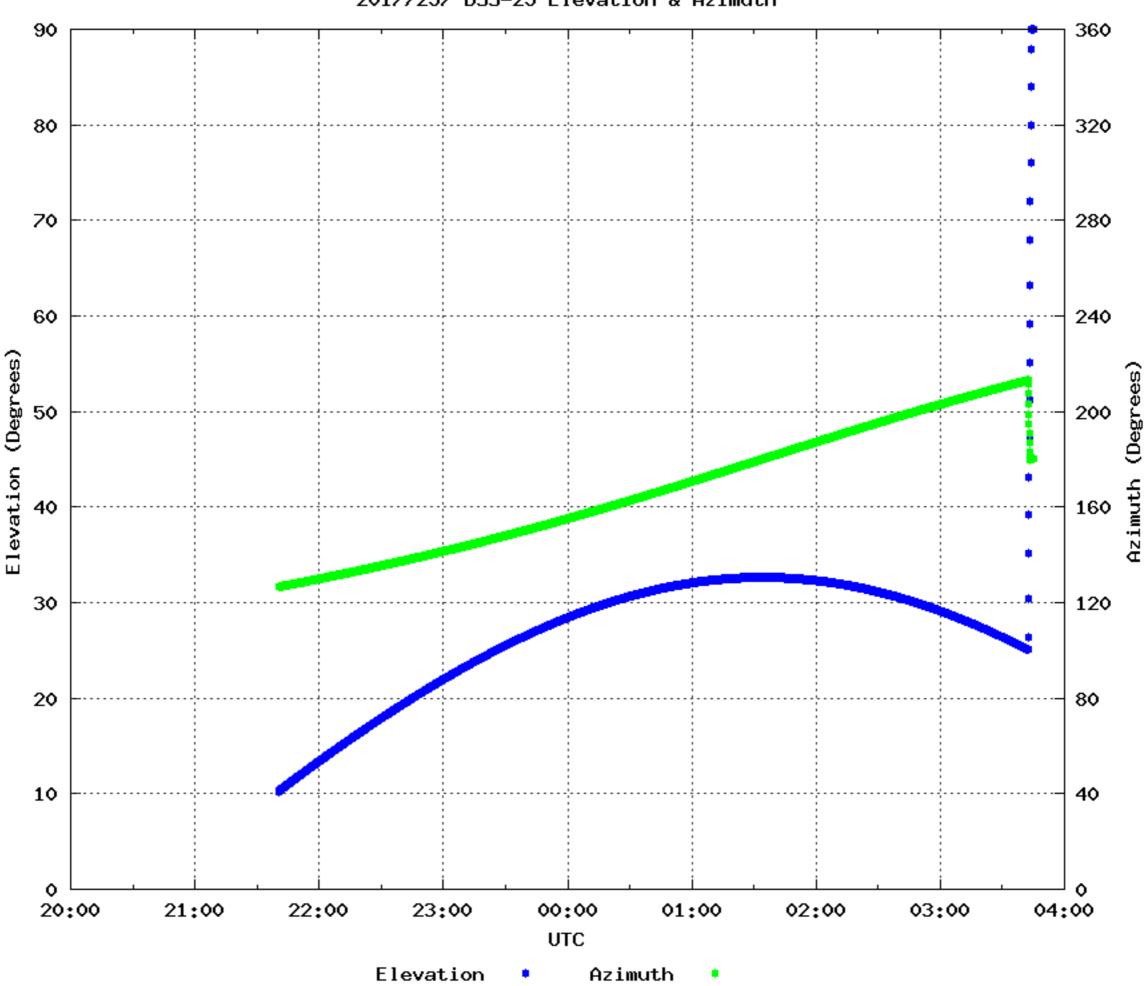
SNT X-RCP



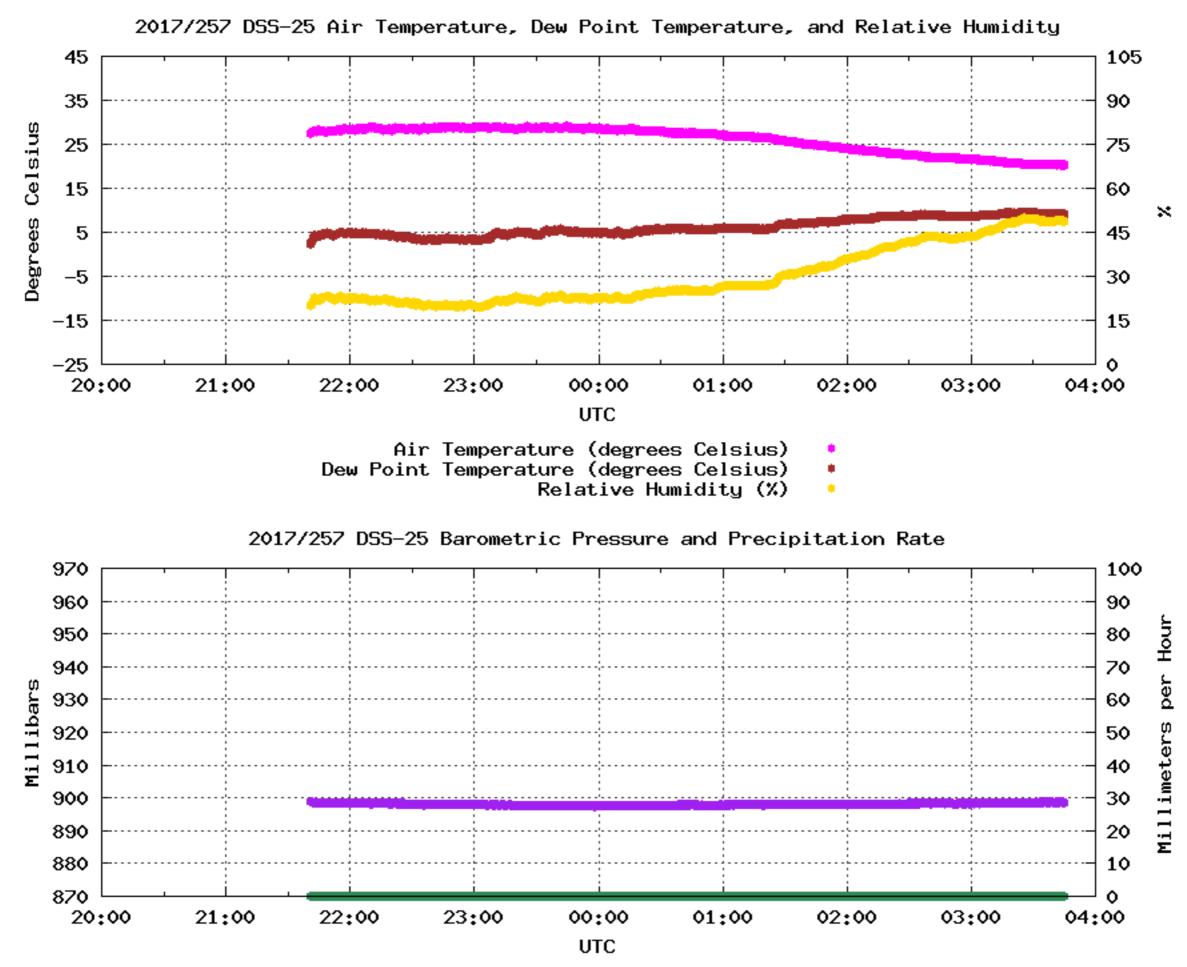
2017/257 DSS-25 Carrier Loop Tracking Bandwidth



2017/257 DSS-25 Total Power Automatic Gain Control (AGC) Voltage

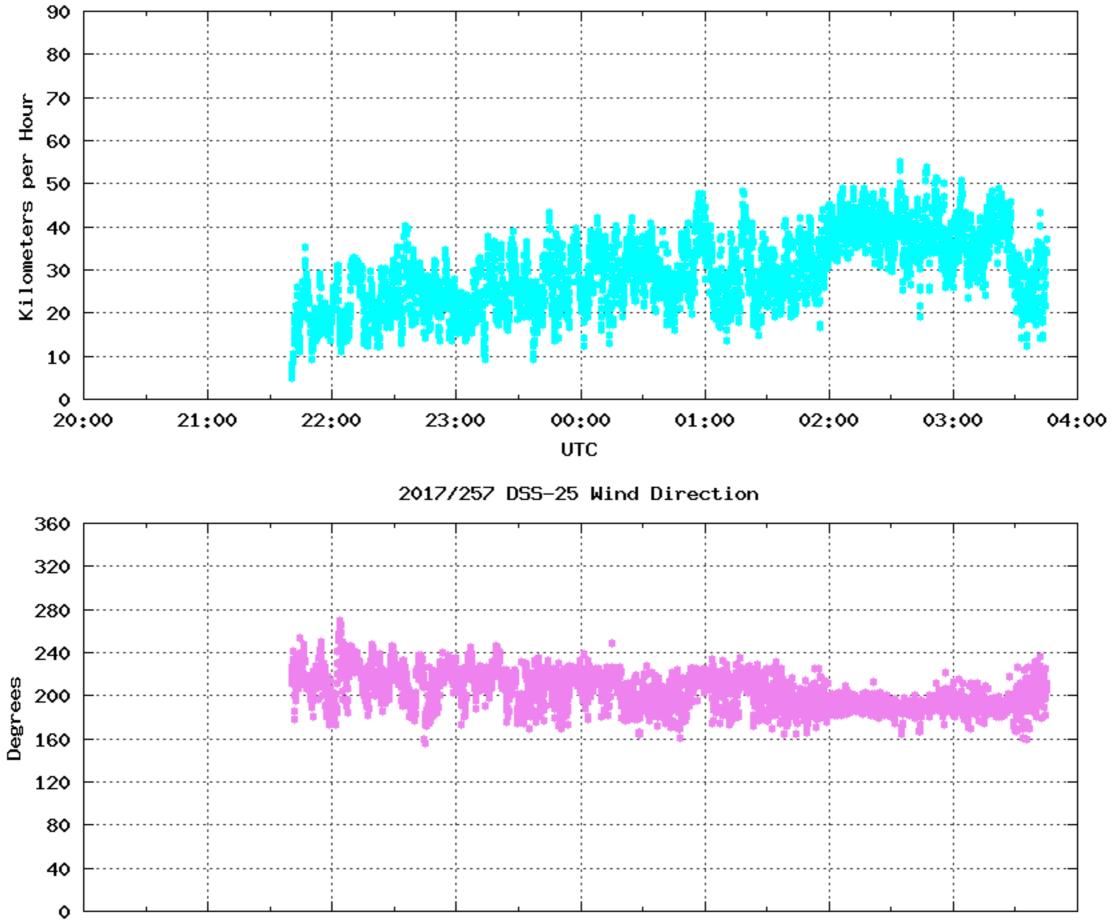


^{2017/257} DSS-25 Elevation & Azimuth





2017/257 DSS-25 Wind Speed



UTC

00:00

01:00

02:00

03:00

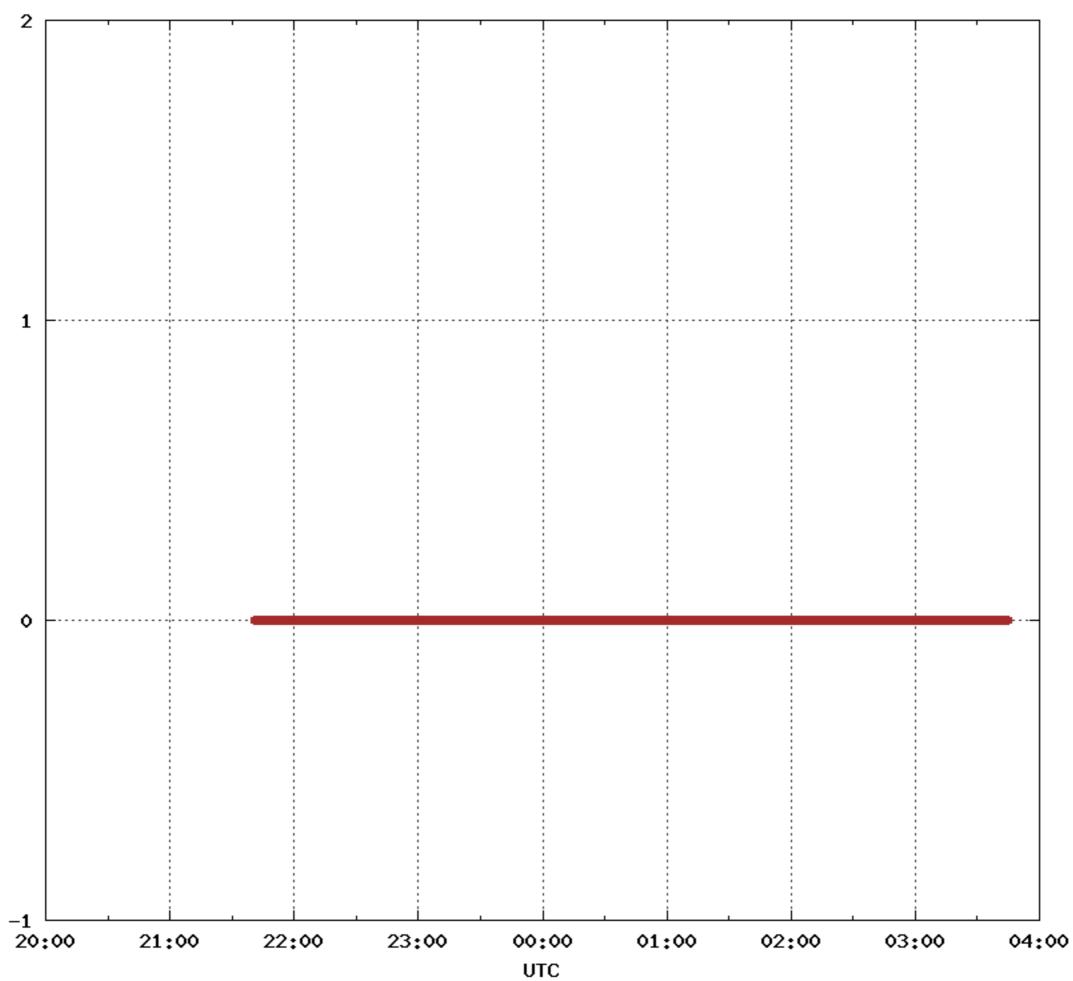
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20:00

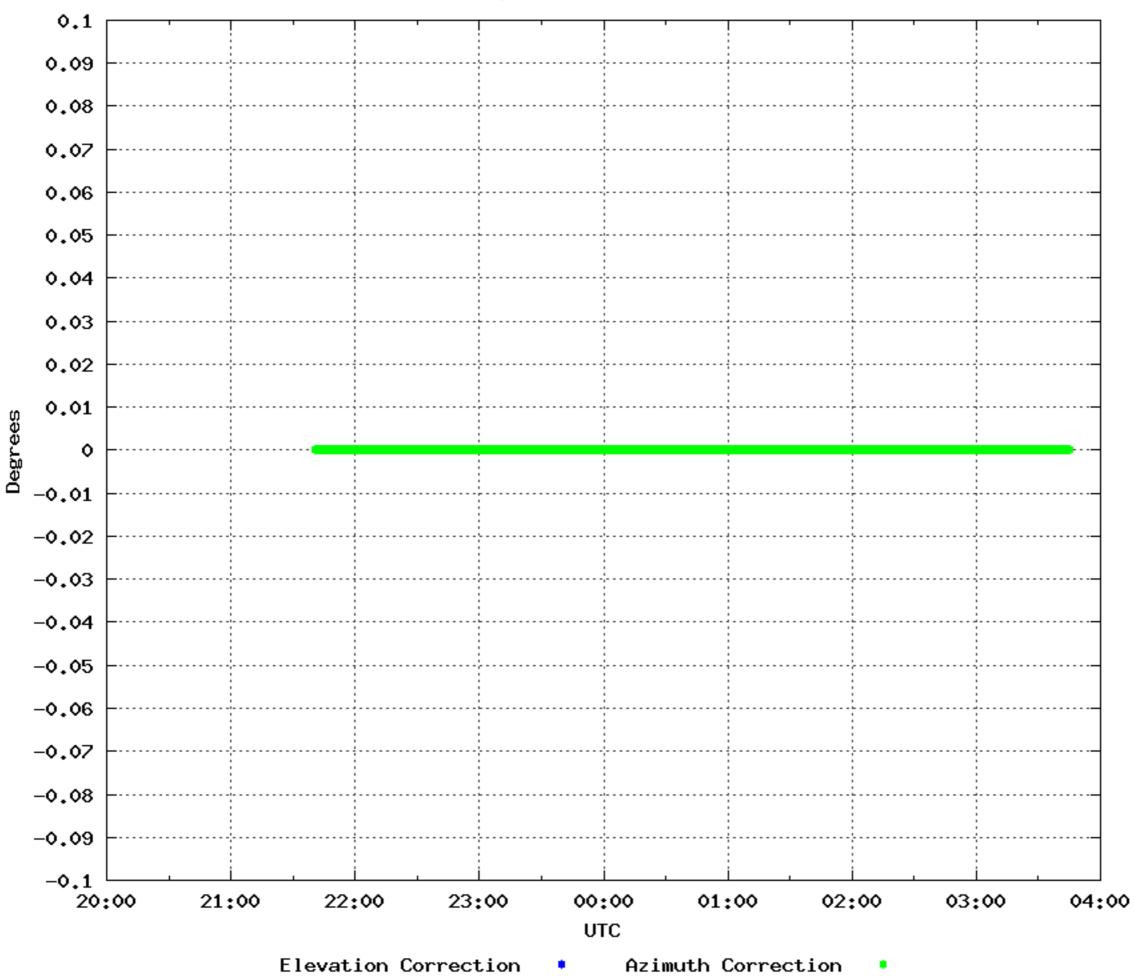
21:00

22:00

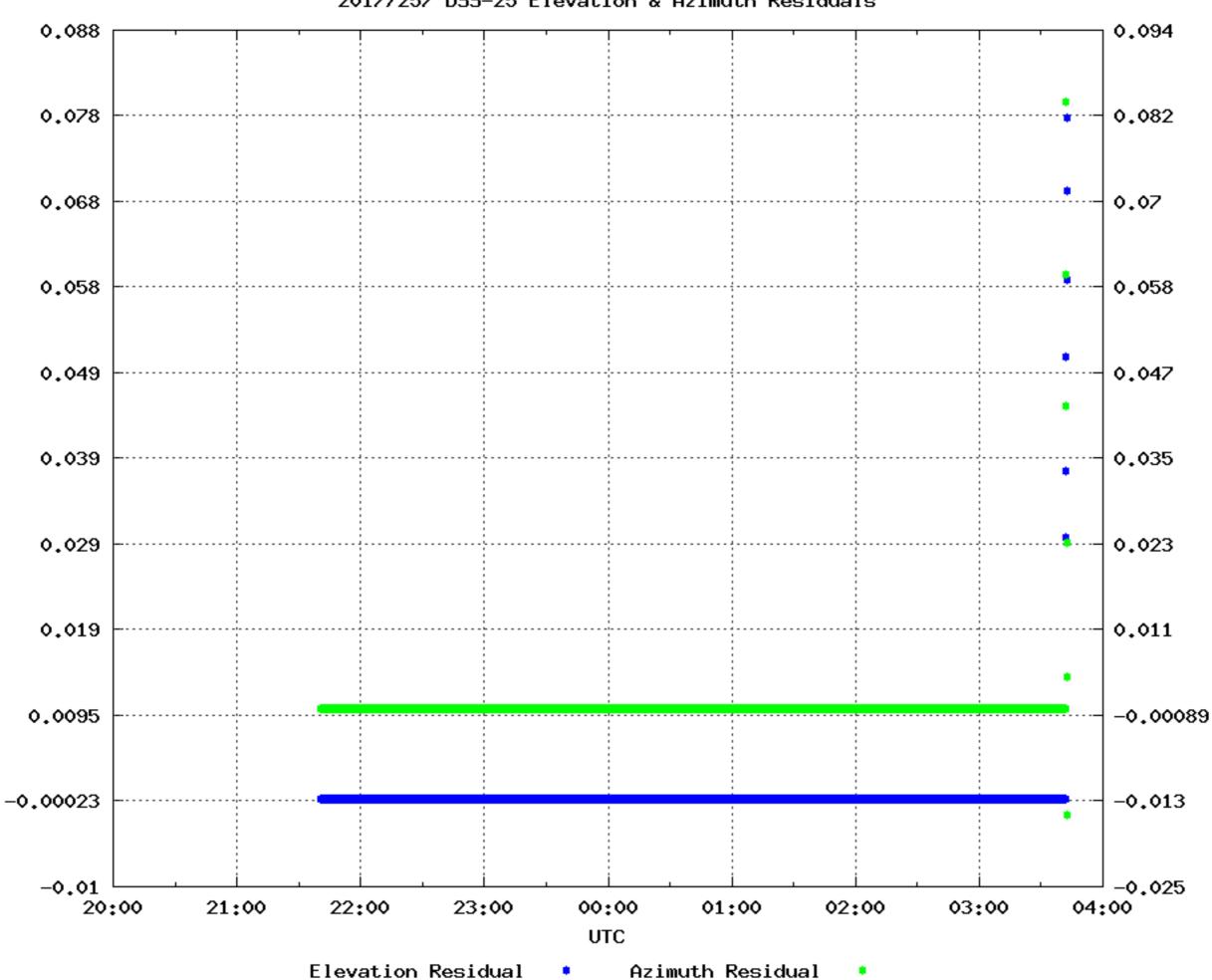
23:00



2017/257 DSS-25 Conscan Drive Status (ON = 1; OFF = 0)

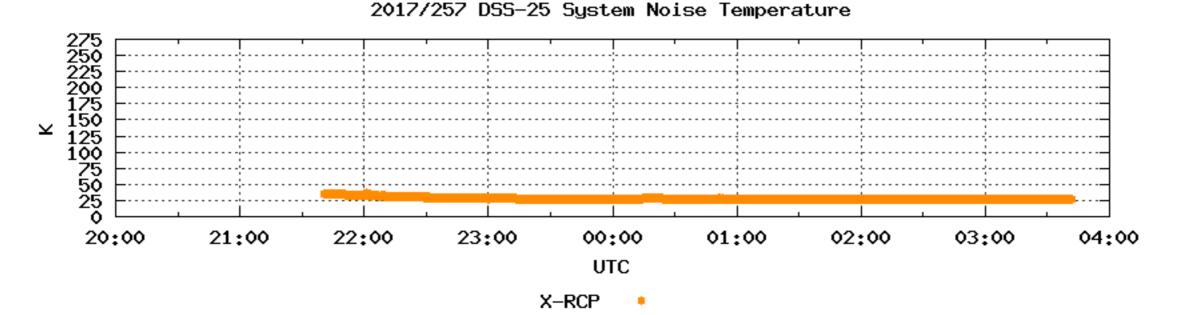


2017/257 DSS-25 Monopulse Elevation & Azimuth Corrections

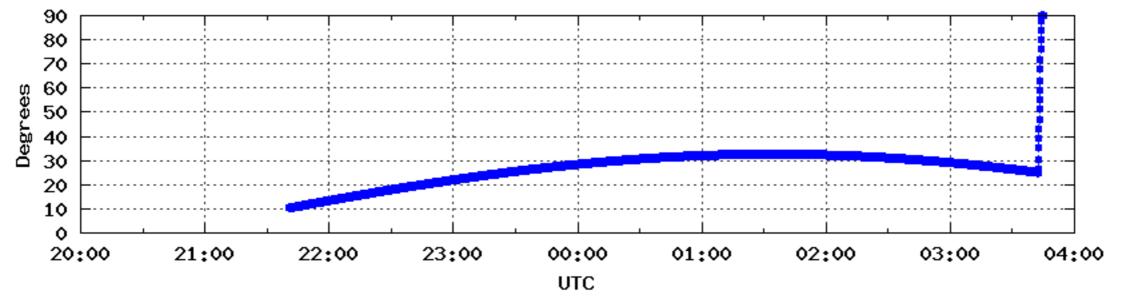


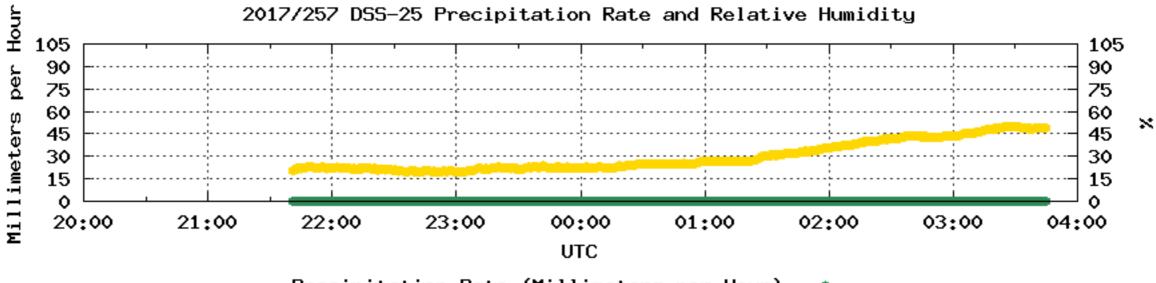
Elevation Residual (Degrees)

Azimuth Residual (Degrees)

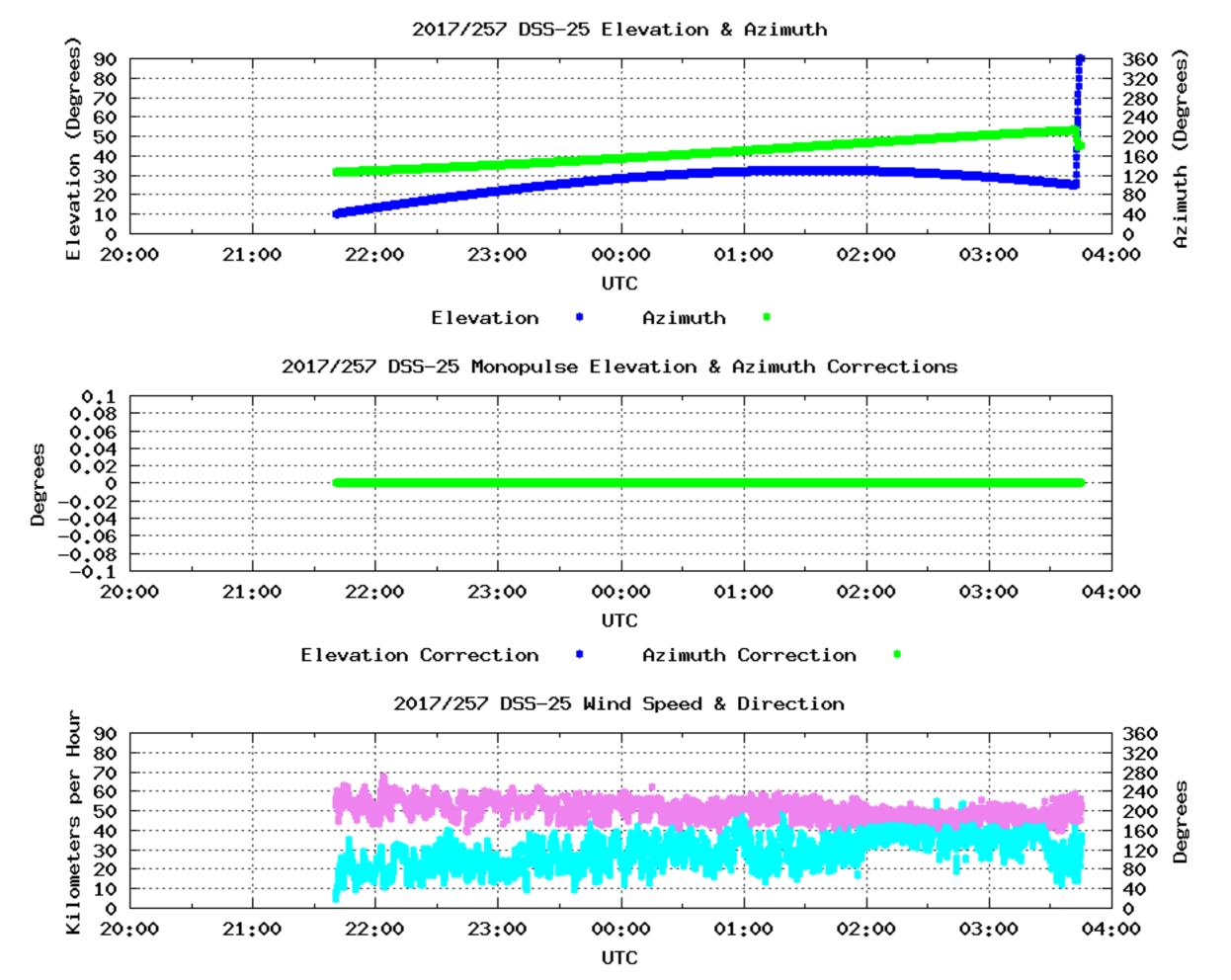








Precipitation Rate (Millimeters per Hour) Relative Humidity (%)





02. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Residual Frequency

Top:

Carrer Power to Noise Spectral Density Ratio (M-1315, M-1815, M-2315, M-2815) filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)

Bottom:

- Residual Frequency (M-1305, M-1805, M-2305, M-2805)
 filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802)
 categorized by Predicts Mode (M-1248, M-1748, M-2248, M-2748)
 and by Downlink Band (M-1245, M-1745, M-2245, M-2745)
 and Polarization (M-1267, M-1767, M-2267, M-2767)
- 03. X-Band Measured Carrier Frequency, Predicted Carrier Frequency, and Residual Frequency

Top:

- Predicted Frequency including Doppler Shift (M-1320, M-1820, M-2320, M-2820)
 categorized by Predicts Mode (M-1248, M-1748, M-2248, M-2748)
 and by Downlink Band (M-1245, M-1745, M-2245, M-2745)
 and Polarization (M-1267, M-1767, M-2267, M-2767)
- Measured Carrier Frequency (M-1304, M-1804, M-2304, M-2804)
 filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802)
 categorized by Predicts Mode (M-1248, M-1748, M-2248, M-2748)
 and by Downlink Band (M-1245, M-1745, M-2245, M-2745)
 and Polarization (M-1267, M-1767, M-2267, M-2767)

Bottom:

- Residual Frequency (M-1305, M-1805, M-2305, M-2805)
 filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802)
 categorized by Predicts Mode (M-1248, M-1748, M-2248, M-2748)
 and by Downlink Band (M-1245, M-1745, M-2245, M-2745)
 and Polarization (M-1267, M-1767, M-2267, M-2767)
- 04. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Carrier Power

Top:

Carrer Power to Noise Spectral Density Ratio (M-1315, M-1815, M-2315, M-2815) filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)

Bottom:

Carrer Power (M-1310, M-1810, M-2310, M-2810)
filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802)
categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745)
and Polarization (M-1267, M-1767, M-2267, M-2767)

05. Carrier Power to Noise Spectral Density Ratio (Pc/No) and System Noise Temperature

- Carrer Power to Noise Spectral Density Ratio (M-1315, M-1815, M-2315, M-2815) filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)
- System Noise Temperature (M-1318, M-1818, M-2318, M-2818) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)

06. Carrier Loop Tracking Bandwidth

Carrier Loop Tracking Bandwidth (M-1299, M-1799, M-2299, M-2799) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)

07. AGC Voltage

AGC Voltage (M-1325, M-1825, M-2325, M-2825) categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745) and Polarization (M-1267, M-1767, M-2267, M-2767)

08. Azimuth & Elevation Elevation Angle (M-0304) Azimuth Angle (M-0305)

09. Weather: Air Temperature, Dew Point Temperature, Relative Humidity, Precipitation Rate, and Barometric Pressure

Top:

Air Temperature (M-0394) Dew Point (M-0397) Relative Humidity (M-0409)

Bottom: Barometric Pressure (M-0400) Precipitation Rate (M-0406)

10. Wind Speed and Direction

Top: Wind Speed (M-0388)

Bottom: Wind Direction (M-0391)

11. Conscan Drive Status

Conscan Drive Status (M-0308)

12. Azimuth & Elevation Monopulse Corrections

Elevation Corrections (M-0815) Azimuth Corrections (M-0814)

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13. Azimuth & Elevation Residuals
Elevation Residuals (M-0307)
Azimuth Residuals (M-0306)
14. System Noise Temperature, Elevation, Precipitation Rate, and
    Relative Humidity
Top:
System Noise Temperature (M-1318, M-1818, M-2318, M-2818)
   categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745)
   and Polarization (M-1267, M-1767, M-2267, M-2767)
Middle:
Elevation Angle (M-0304)
Bottom:
Precipitation Rate (M-0406)
Relative Humidity (M-0409)
15. Elevation & Azimuth, Elevation & Azimuth Corrections, and Wind
    Speed and Direction
Top:
Elevation Angle (M-0304)
Azimuth Angle (M-0305)
Middle:
Elevation Corrections (M-0815)
Azimuth Corrections (M-0814)
Bottom:
Wind Speed (M-0388)
Wind Direction (M-0391)
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