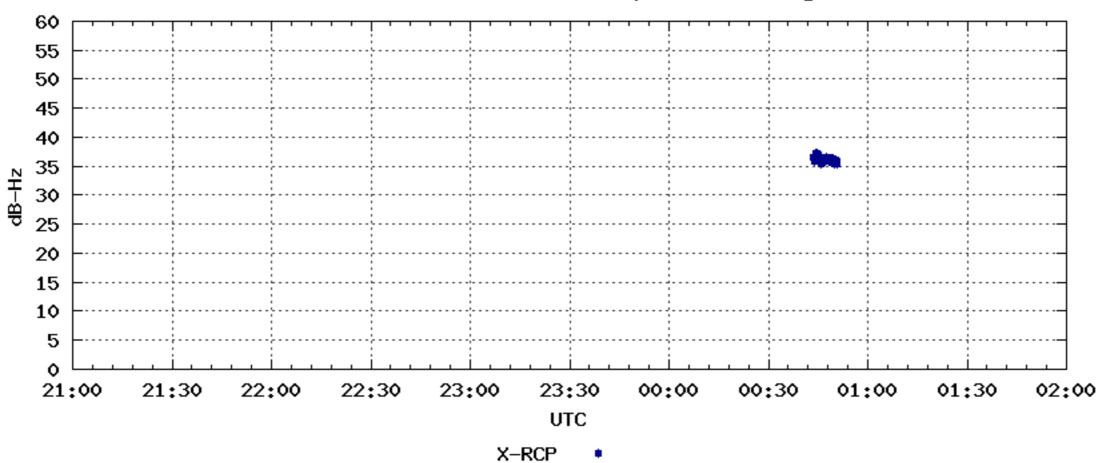
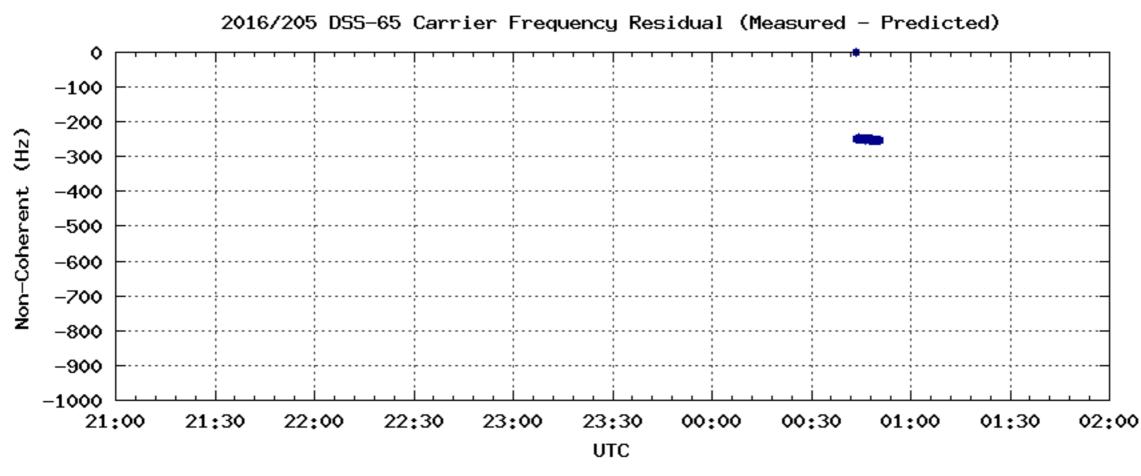
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DSS: 65
Monitor File: S95SROC2016\_205\_2100\_65\_MON.ecsv
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5 minutes omitted from end of file

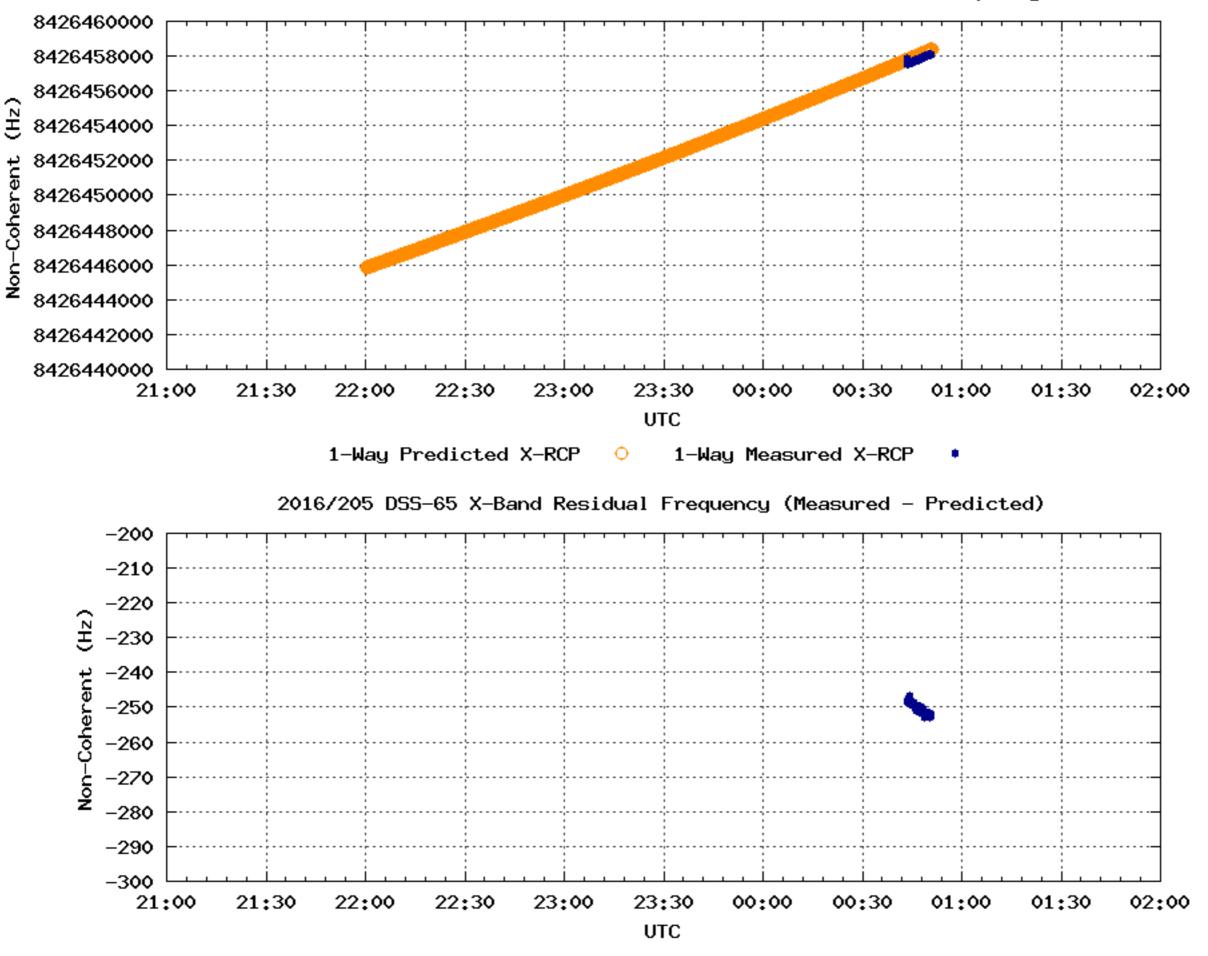
- 02. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Residual Frequency
- 03. X-Band Measured Carrier Frequency, Predicted Carrier Frequency, and Residual Frequency
- 04. Uplink Frequency and Power
- 05. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Carrier Power
- 06. Carrier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





2016/205 DSS-65 Carrier Power to Noise Spectral Density Ratio (Pc/No)

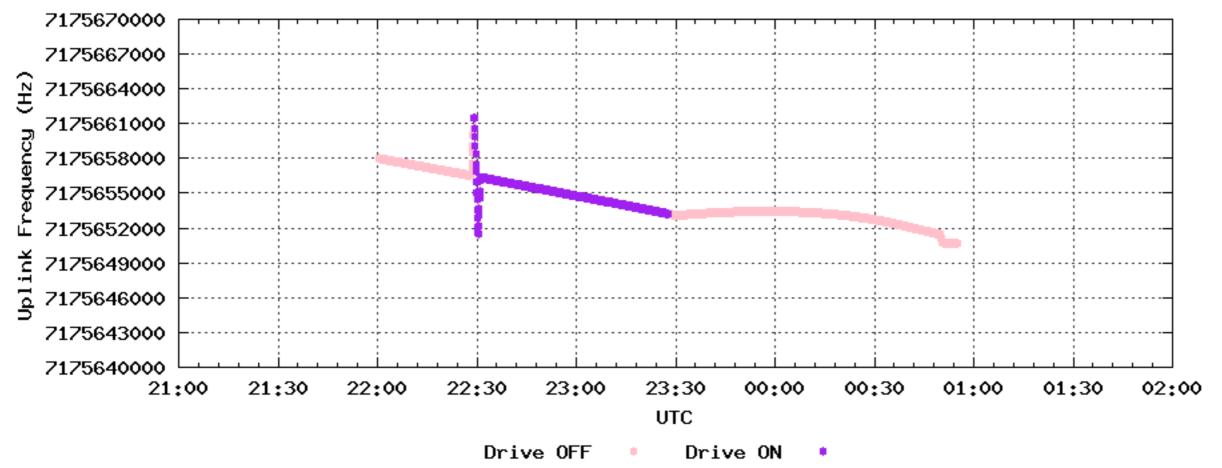
1-Way X-RCP 🔹 🖲



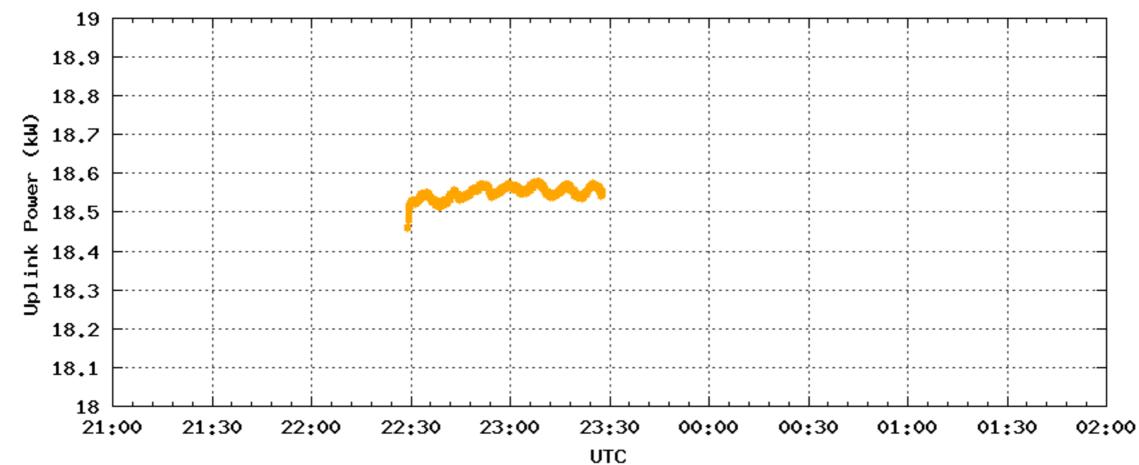
2016/205 DSS-65 X-Band Measured and Predicted Carrier Frequency

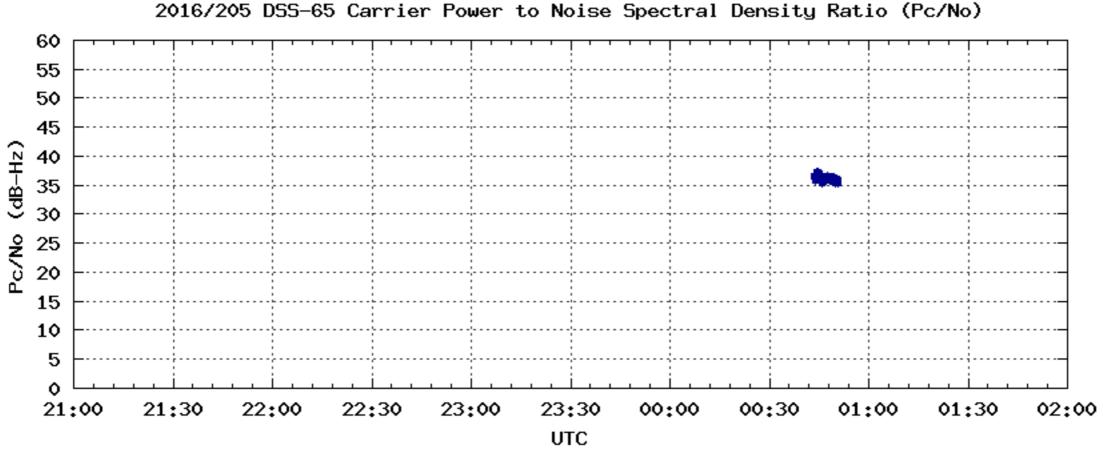
1-Way X-RCP 🔹 🔹

### 2016/205 DSS-65 Uplink Frequency



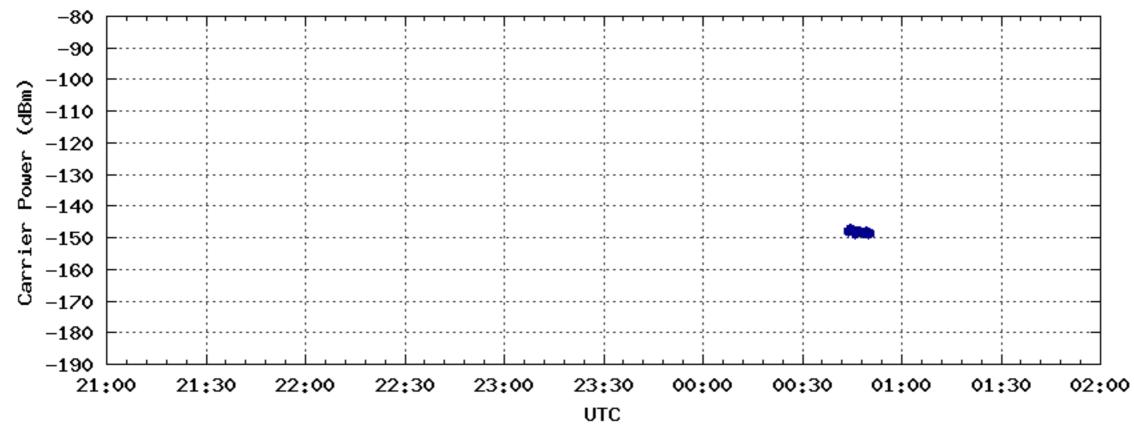


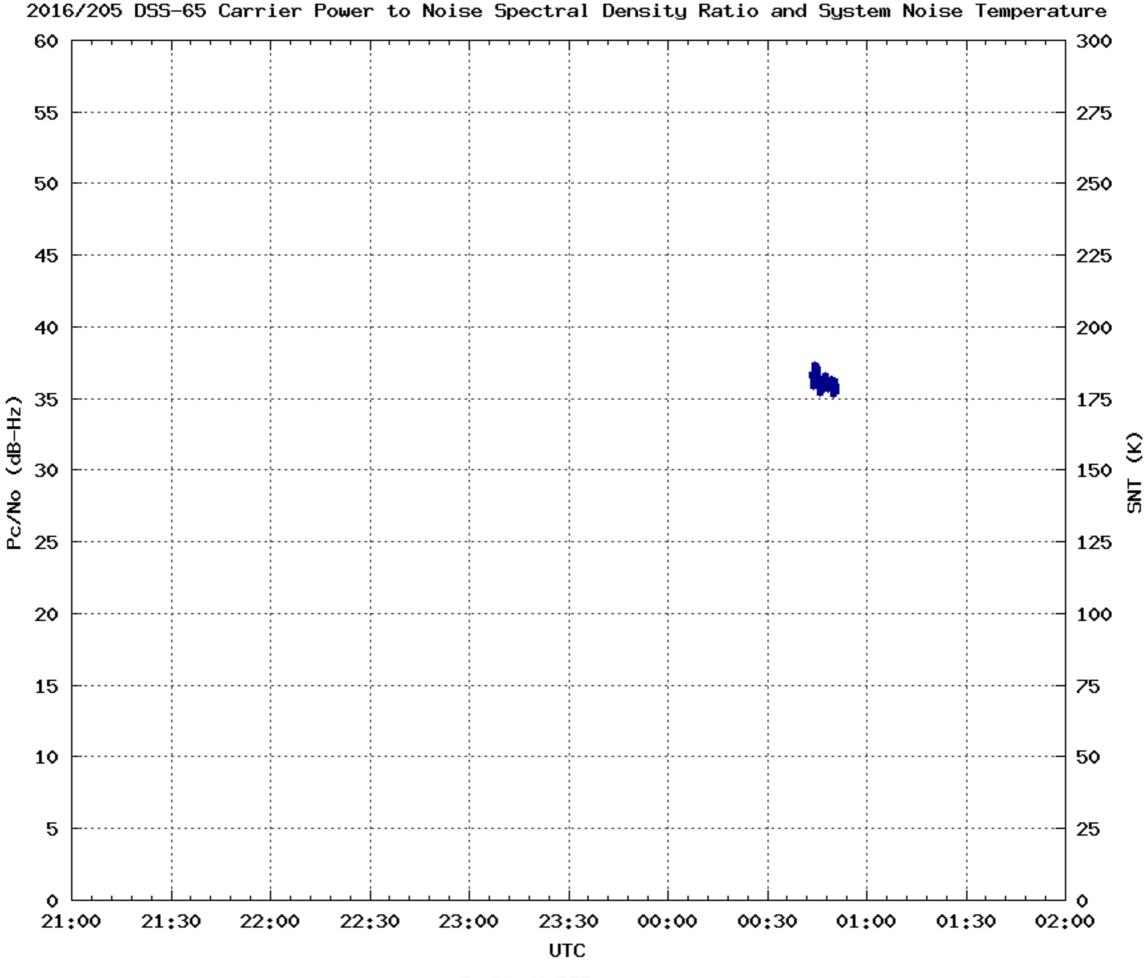


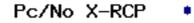


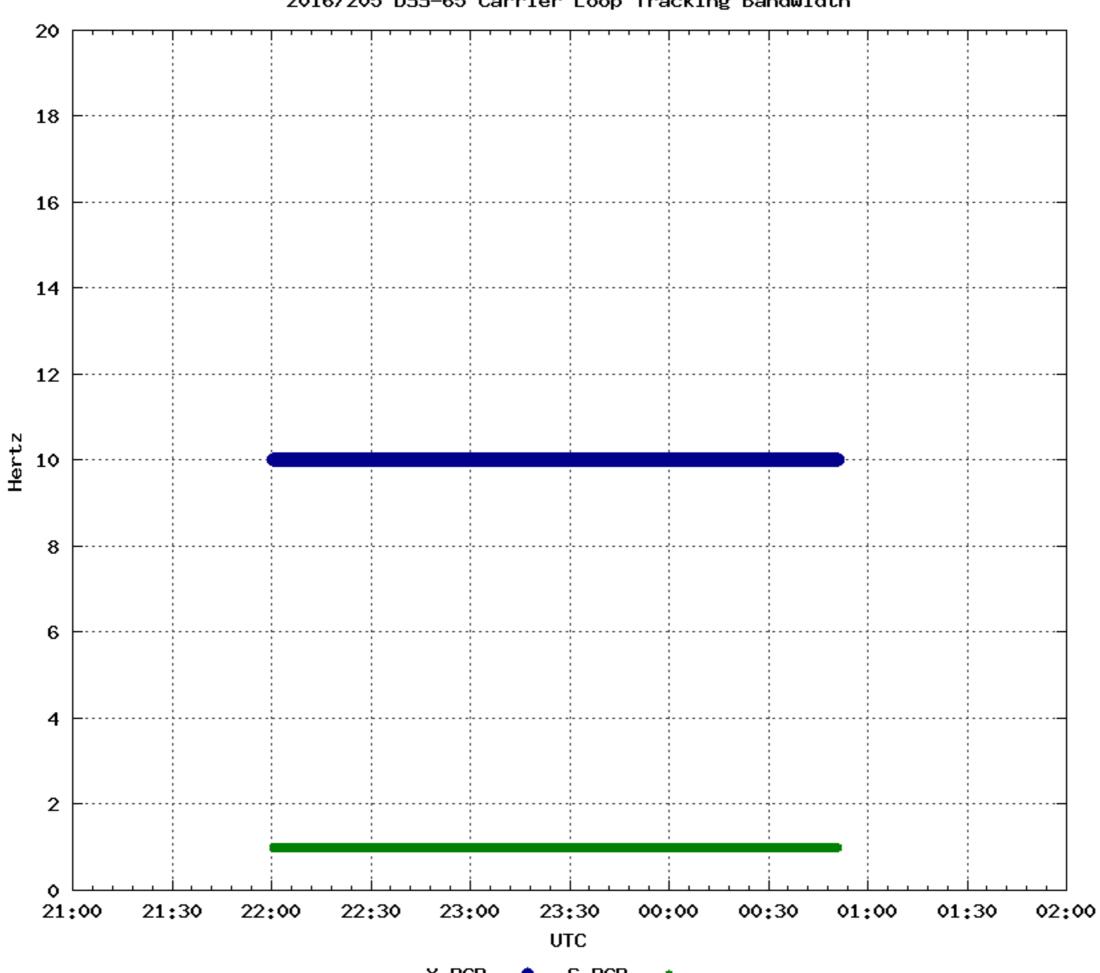
X-RCP •

2016/205 DSS-65 Carrier Power

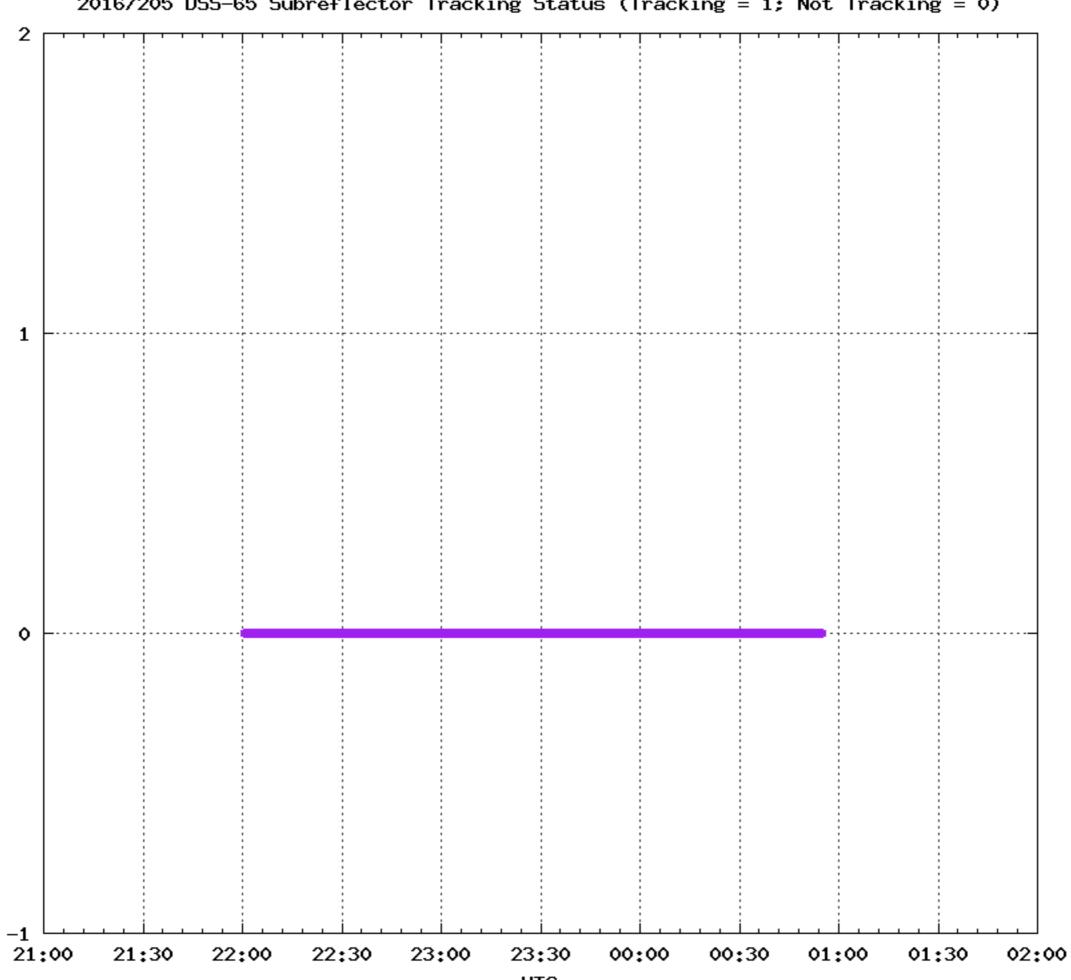




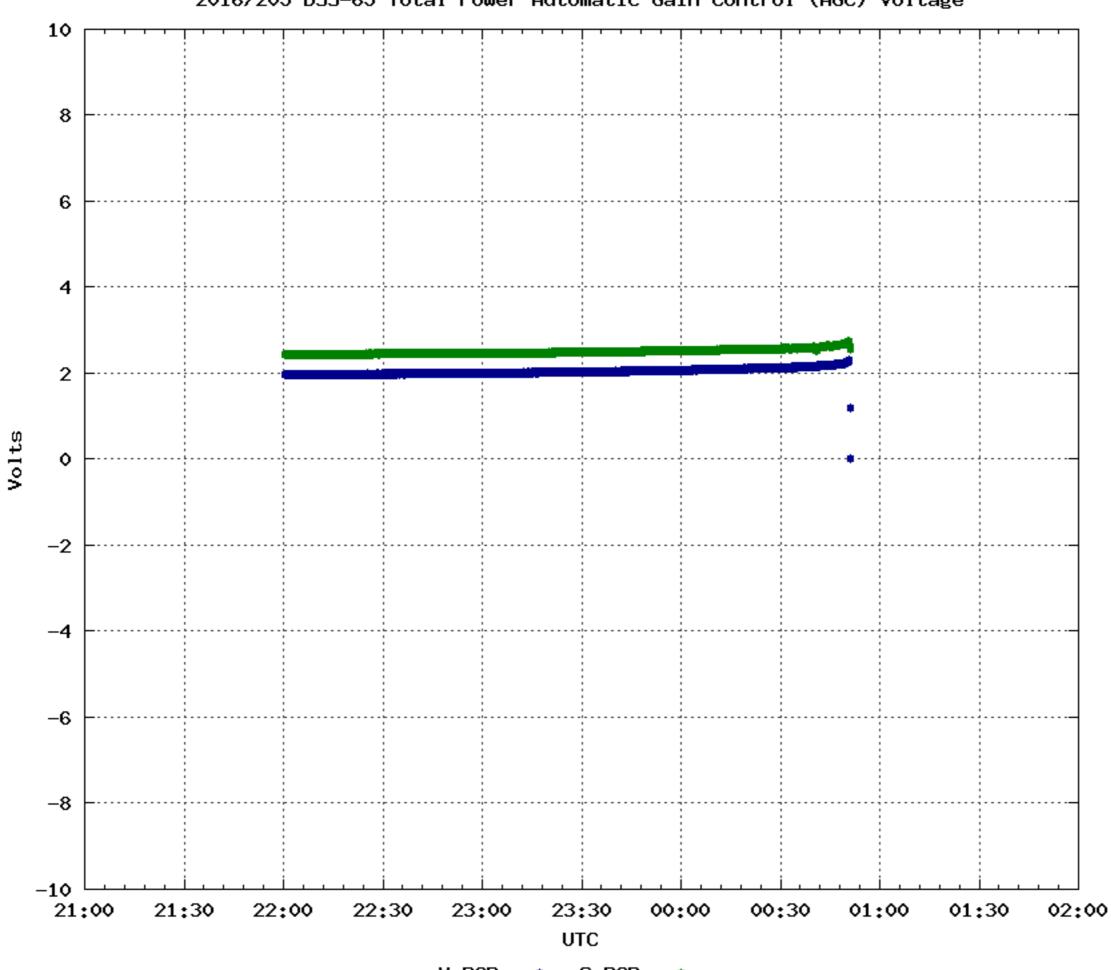




## 2016/205 DSS-65 Carrier Loop Tracking Bandwidth

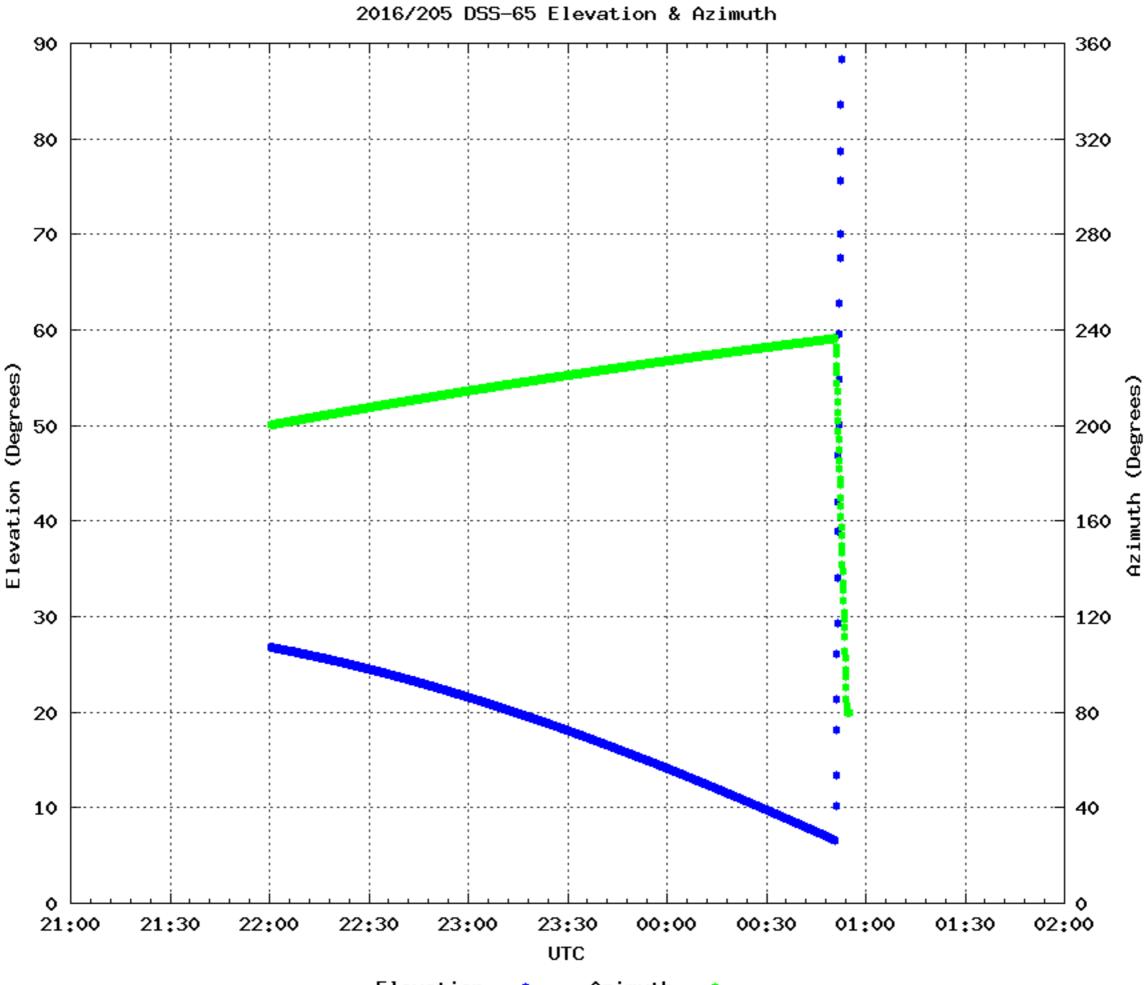


2016/205 DSS-65 Subreflector Tracking Status (Tracking = 1; Not Tracking = 0)

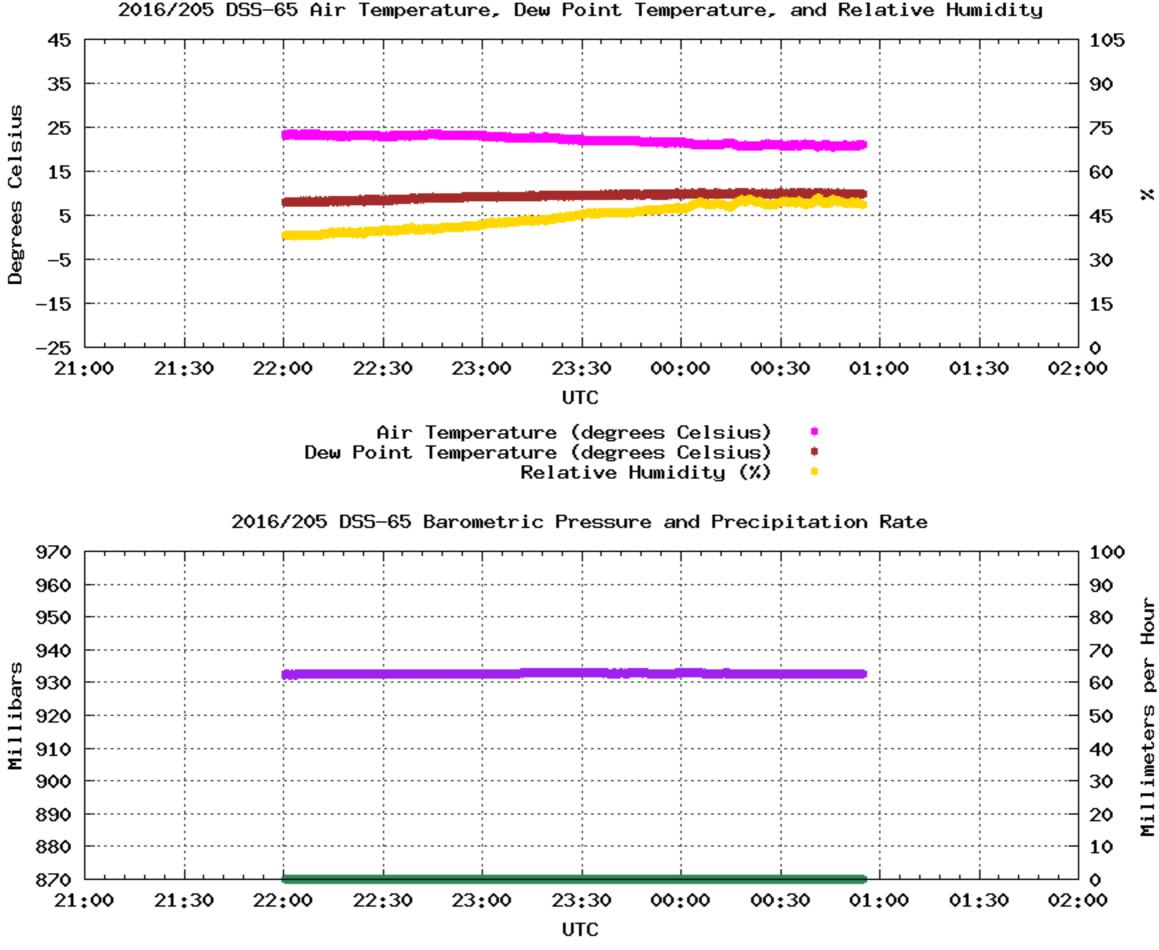


2016/205 DSS-65 Total Power Automatic Gain Control (AGC) Voltage

X-RCP • S-RCP •

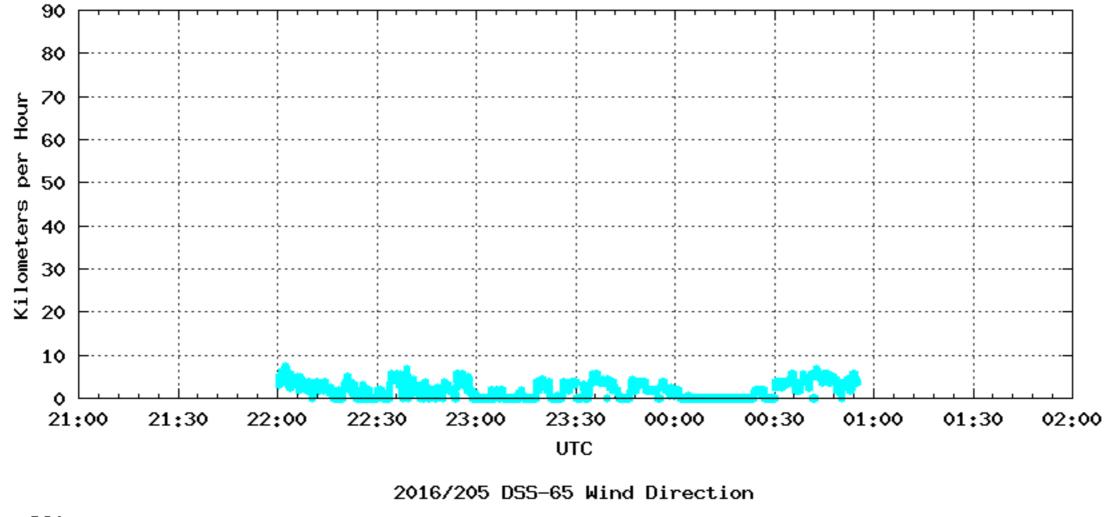


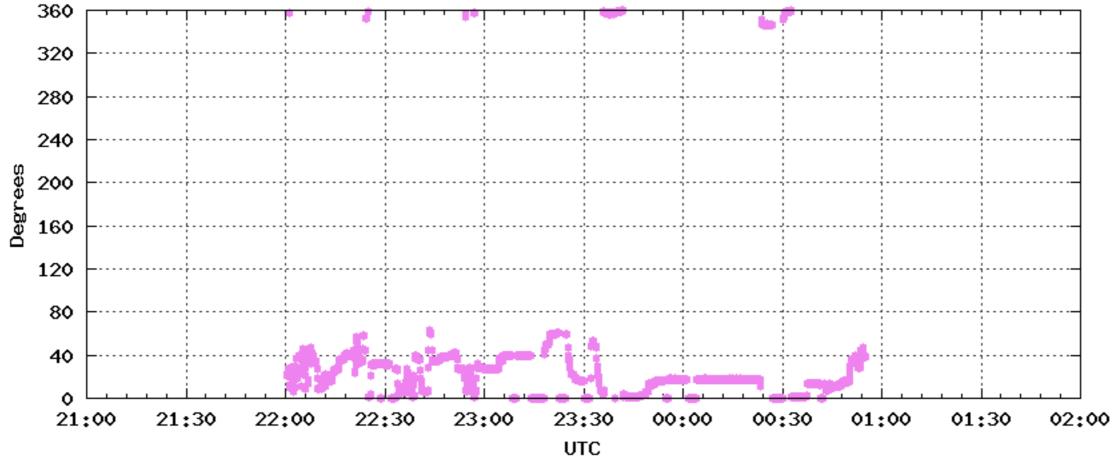


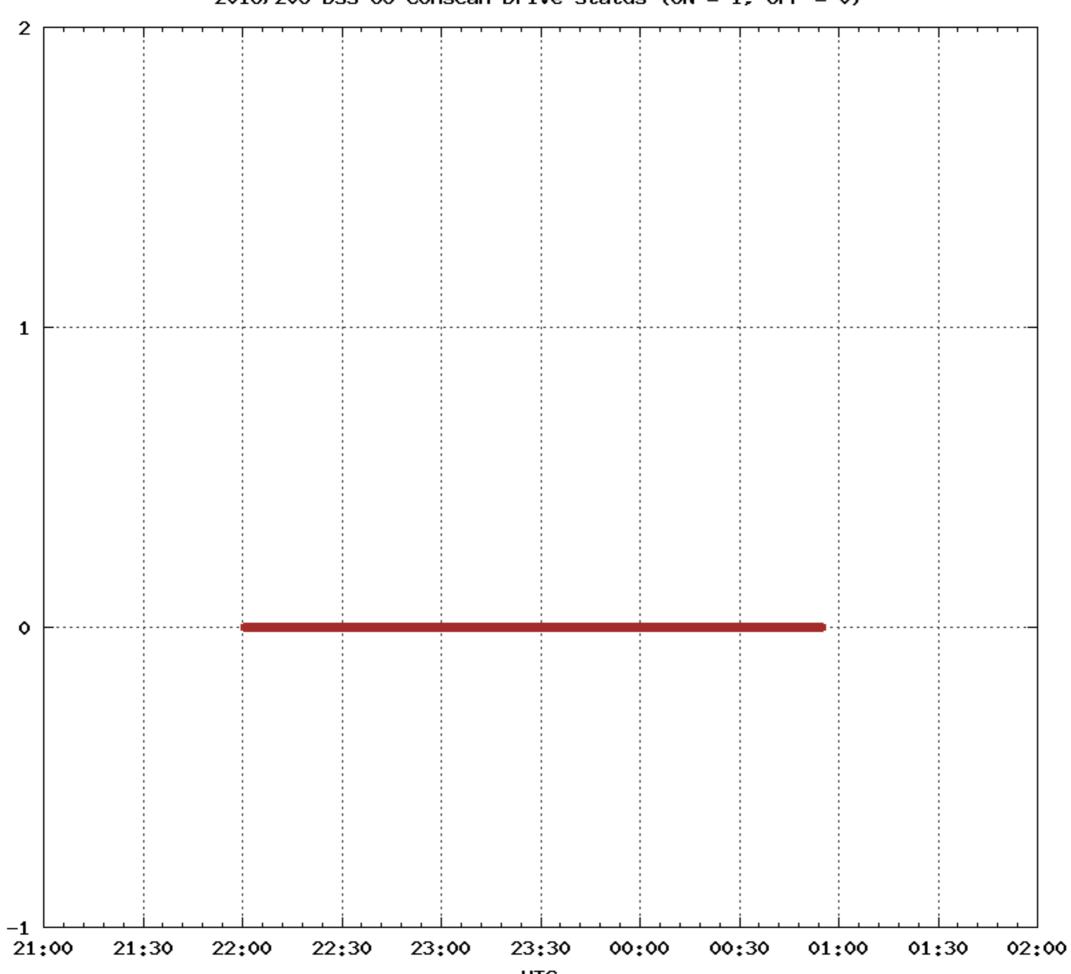




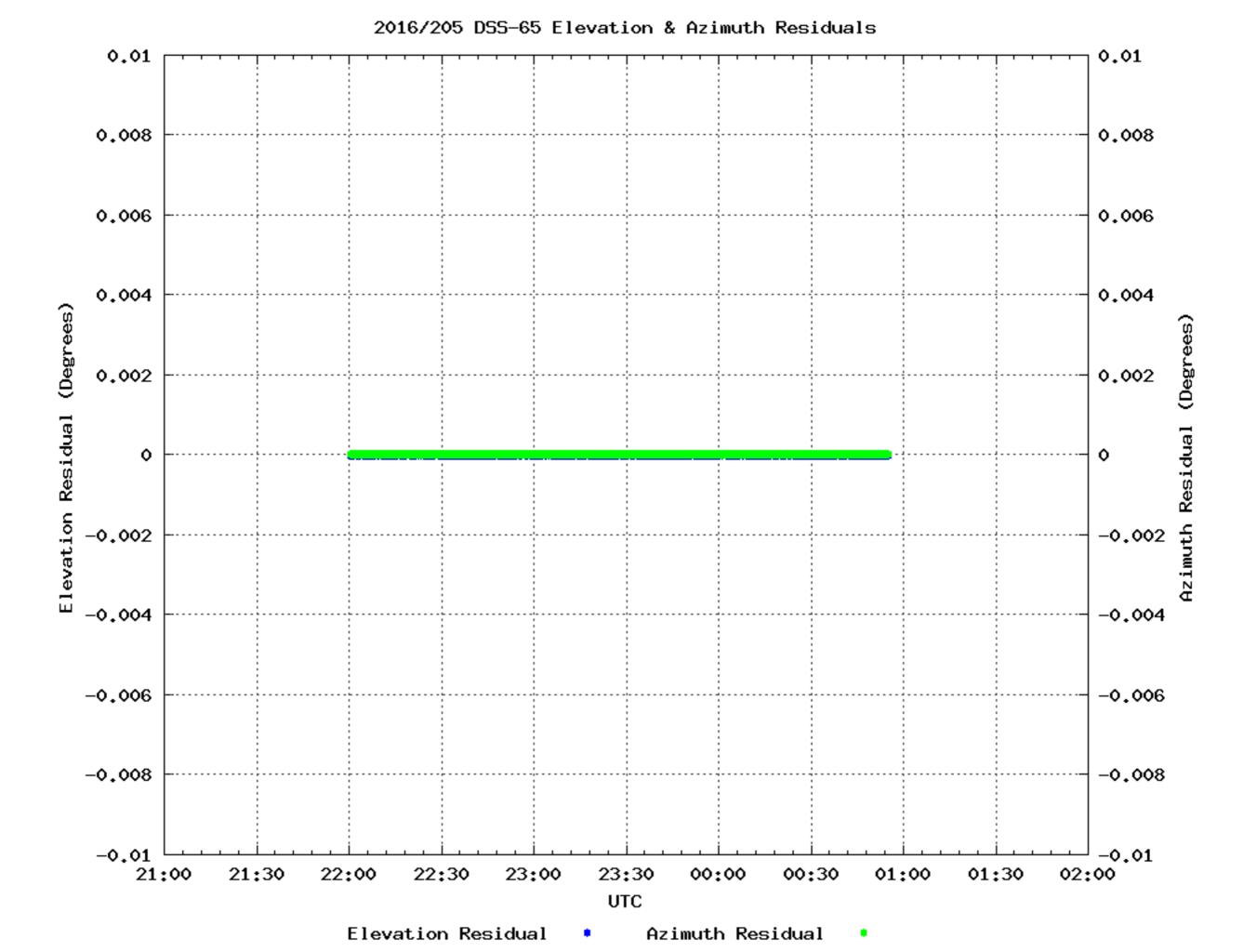
### 2016/205 DSS-65 Wind Speed







# 2016/205 DSS-65 Conscan Drive Status (ON = 1; OFF = 0)



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. Uplink Frequency and Power

#### Top:

Uplink Frequency (M-1049) filtered by Transmitter Status (M-1070)

### Bottom:

- Uplink Power (M-1067)
  - filtered by Transmitter Status (M-1070)
- 05. 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)
- 06. 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)

07. 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)

08. Subreflector Tracking Status

Subreflector Tracking Status (M-0317)

09. 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)

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

11. 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)

12. Wind Speed and Direction

Wind Speed (M-0388)

Bottom: Wind Direction (M-0391)

13. Conscan Drive Status

Conscan Drive Status (M-0308)

14. Azimuth & Elevation Residuals

Elevation Residuals (M-0307) Azimuth Residuals (M-0306)