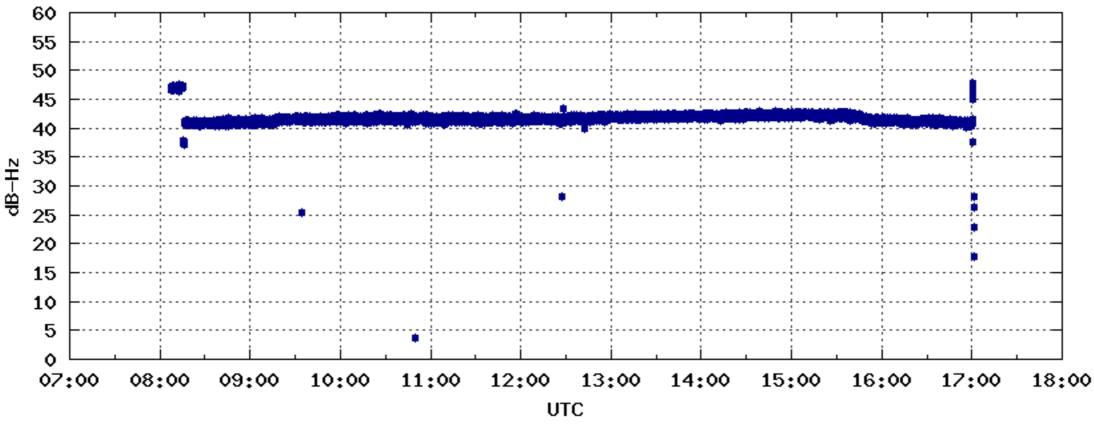
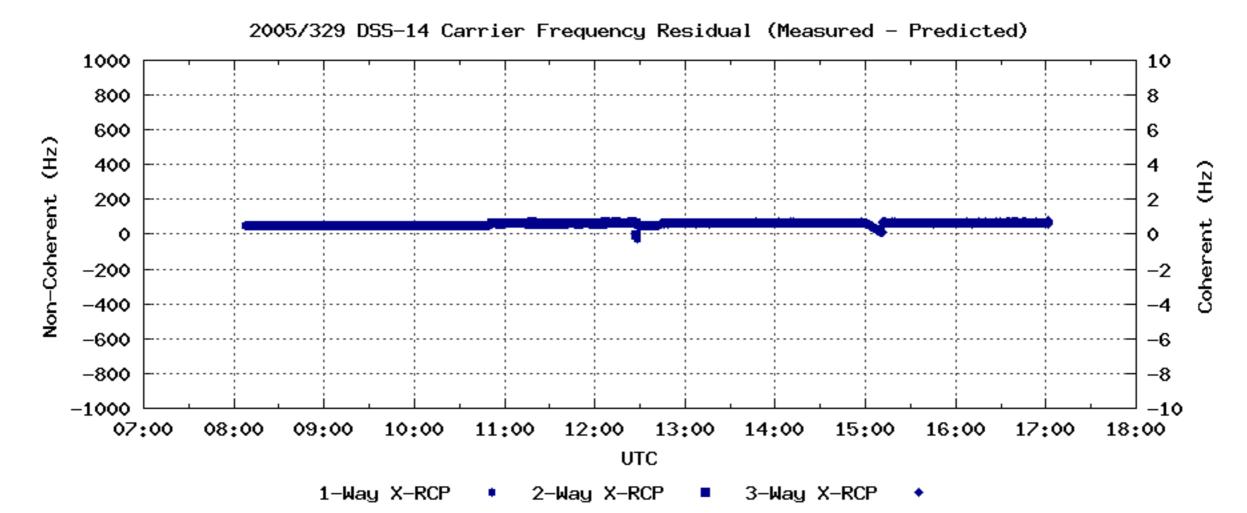
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DSS: 14
Monitor File: S16RHGS2005\_329\_0707\_14\_MON.ecsv
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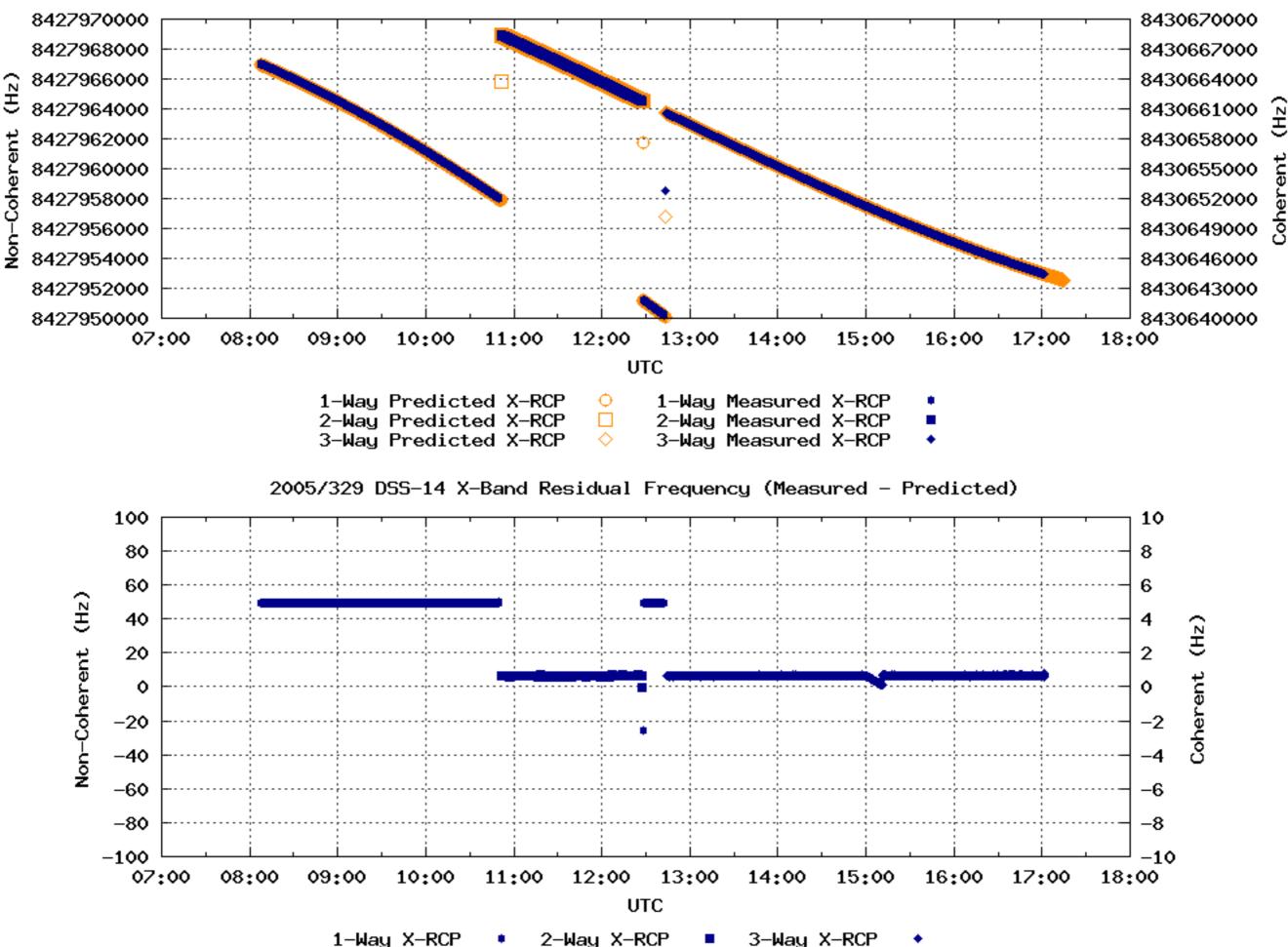
- 02. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Residual Frequency
- 03. X-Band Measured Carrier Frequency, Predicted Carrier Frequency, and Residual Frequency
- 04. Uplink Frequency and Power
- 05. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Carrier Power
- 06. Carrier Power to Noise Spectral Density Ratio (Pc/No) and System Noise Temperature
- 07. Carrier Loop Tracking Bandwidth
- 08. Subreflector Tracking Status
- 09. Azimuth & Elevation
- 10. Weather: Air Temperature, Dew Point Temperature, Relative Humidity, Precipitation Rate, and Barometric Pressure
- 11. Wind Speed and Direction
- 12. Conscan Drive Status
- 13. Azimuth & Elevation Residuals
- 14. System Noise Temperature, Elevation, Precipitation Rate, and Relative Humidity
- 15. Index



2005/329 DSS-14 Carrier Power to Noise Spectral Density Ratio (Pc/No)

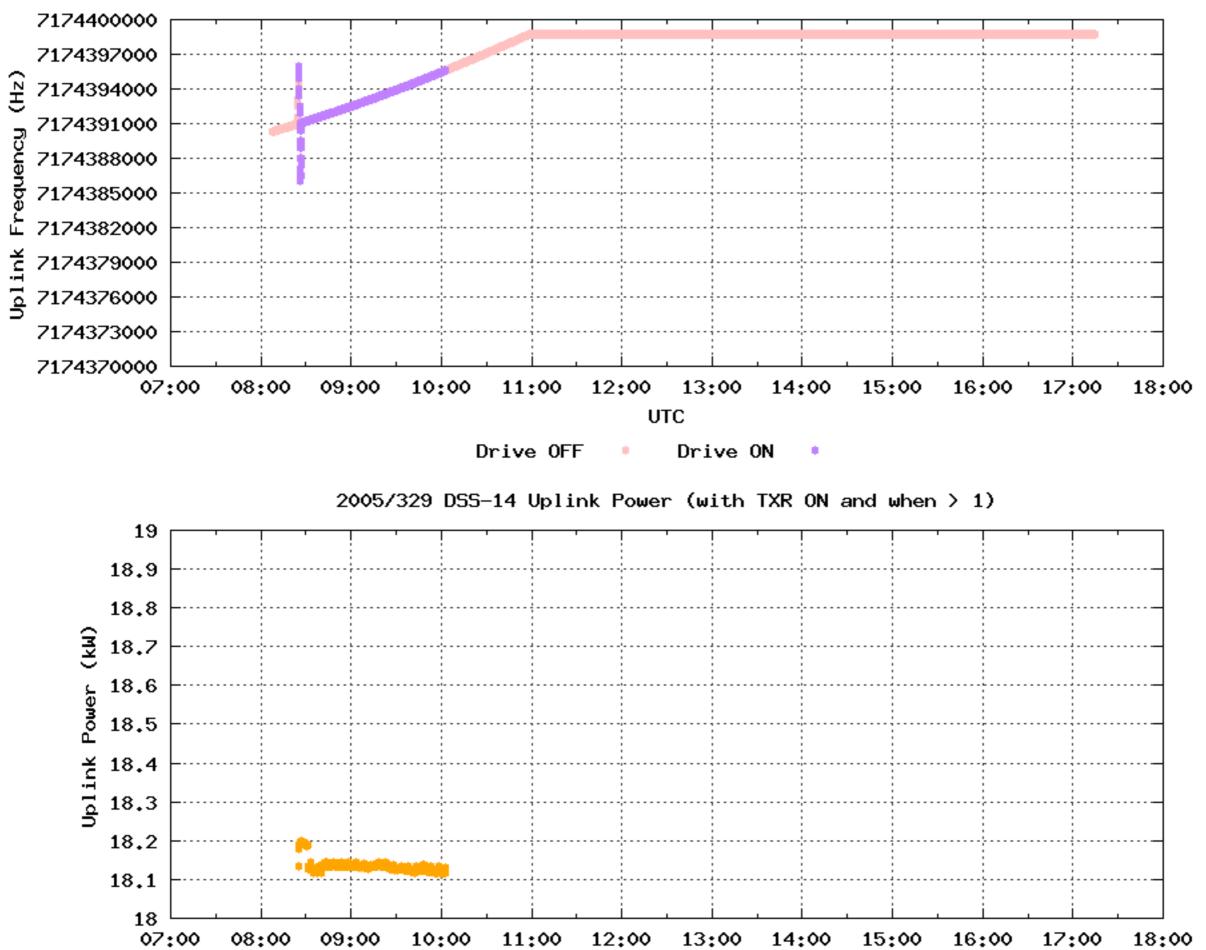
X-RCP •

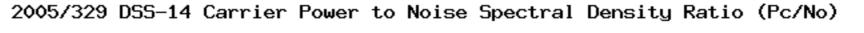


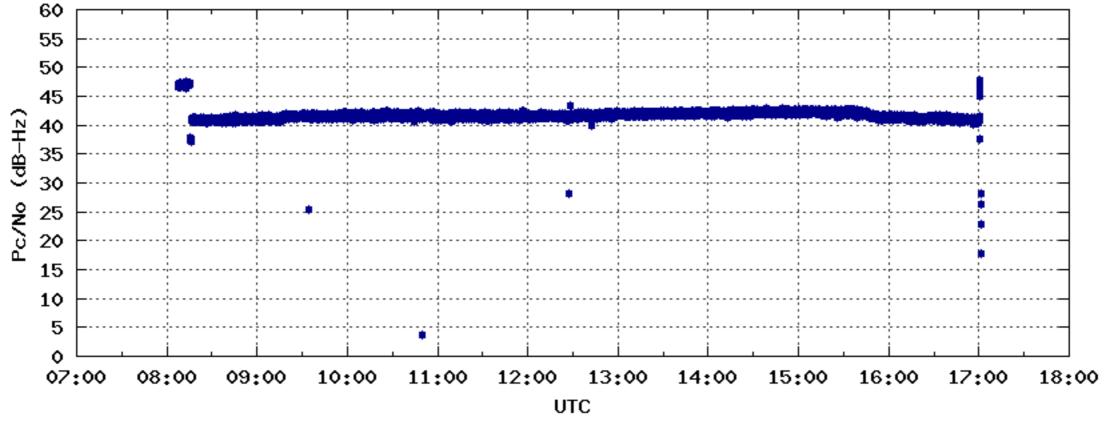


2005/329 DSS-14 X-Band Measured and Predicted Carrier Frequency

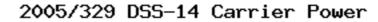
### 2005/329 DSS-14 Uplink Frequency

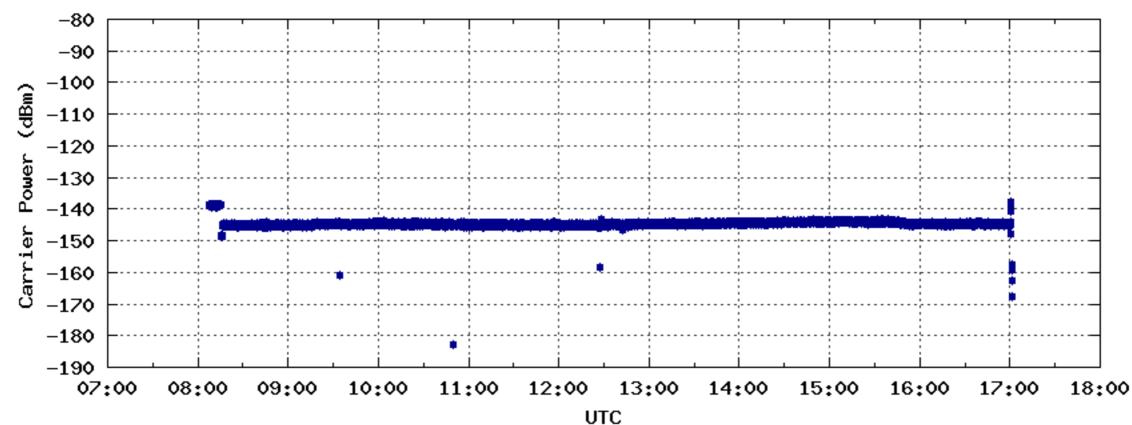




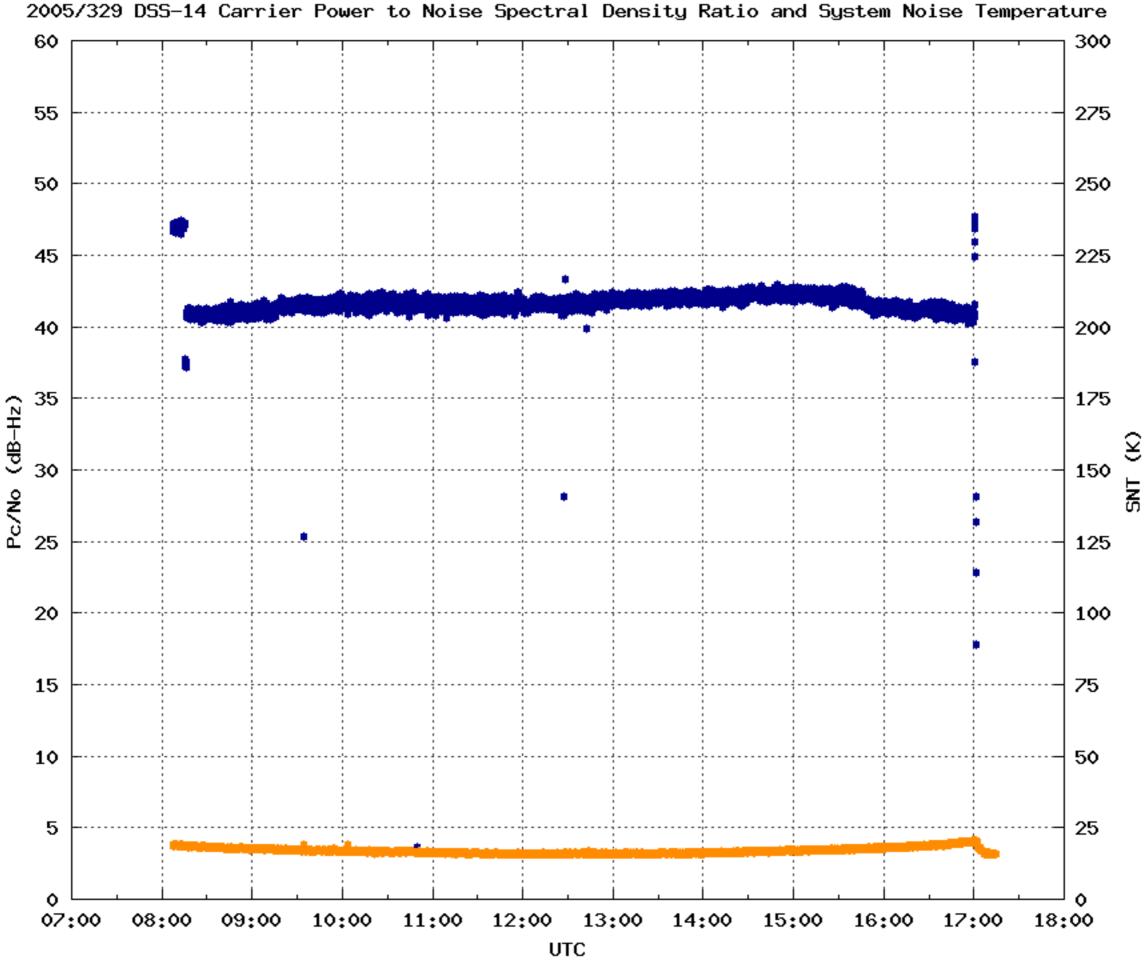


X-RCP •



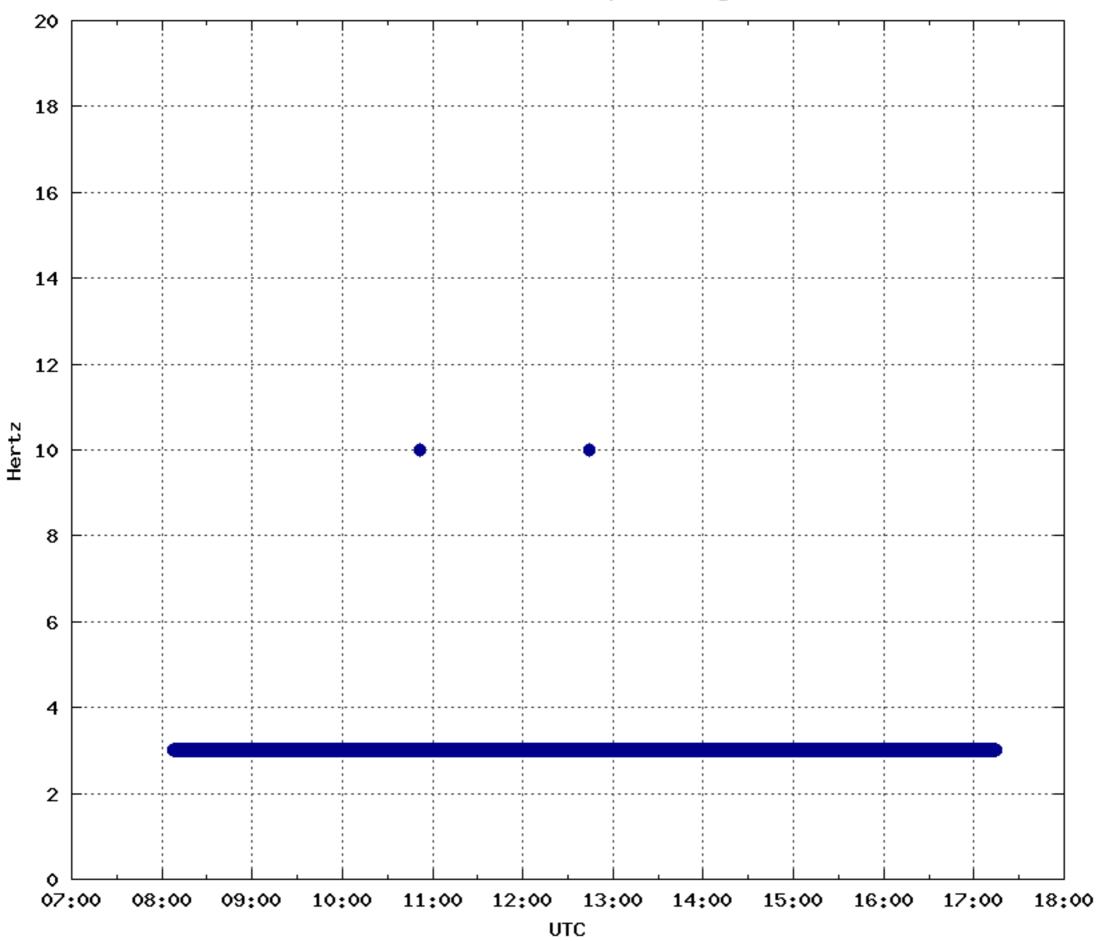


X-RCP



Pc/No X-RCP 

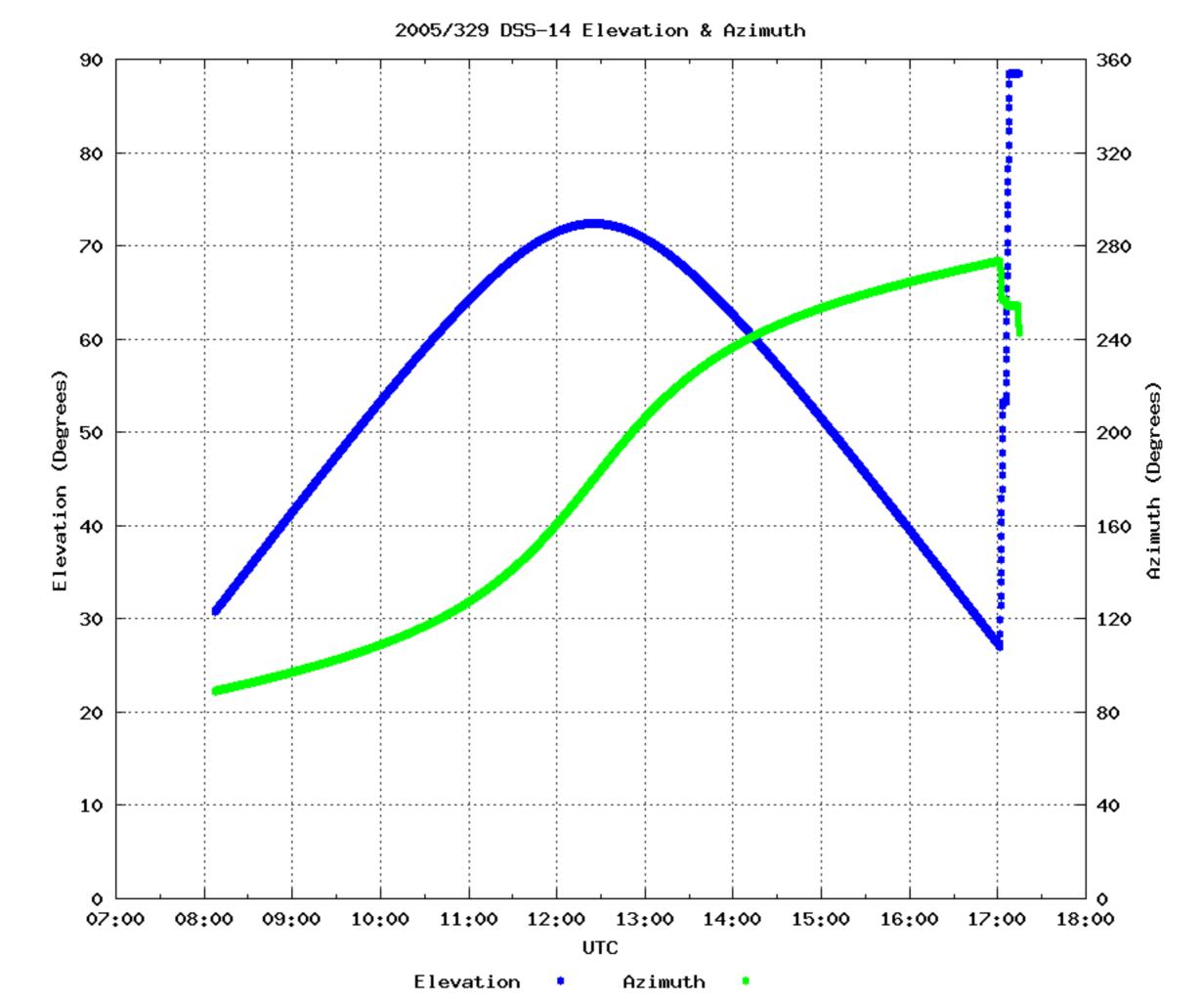
SNT X-RCP

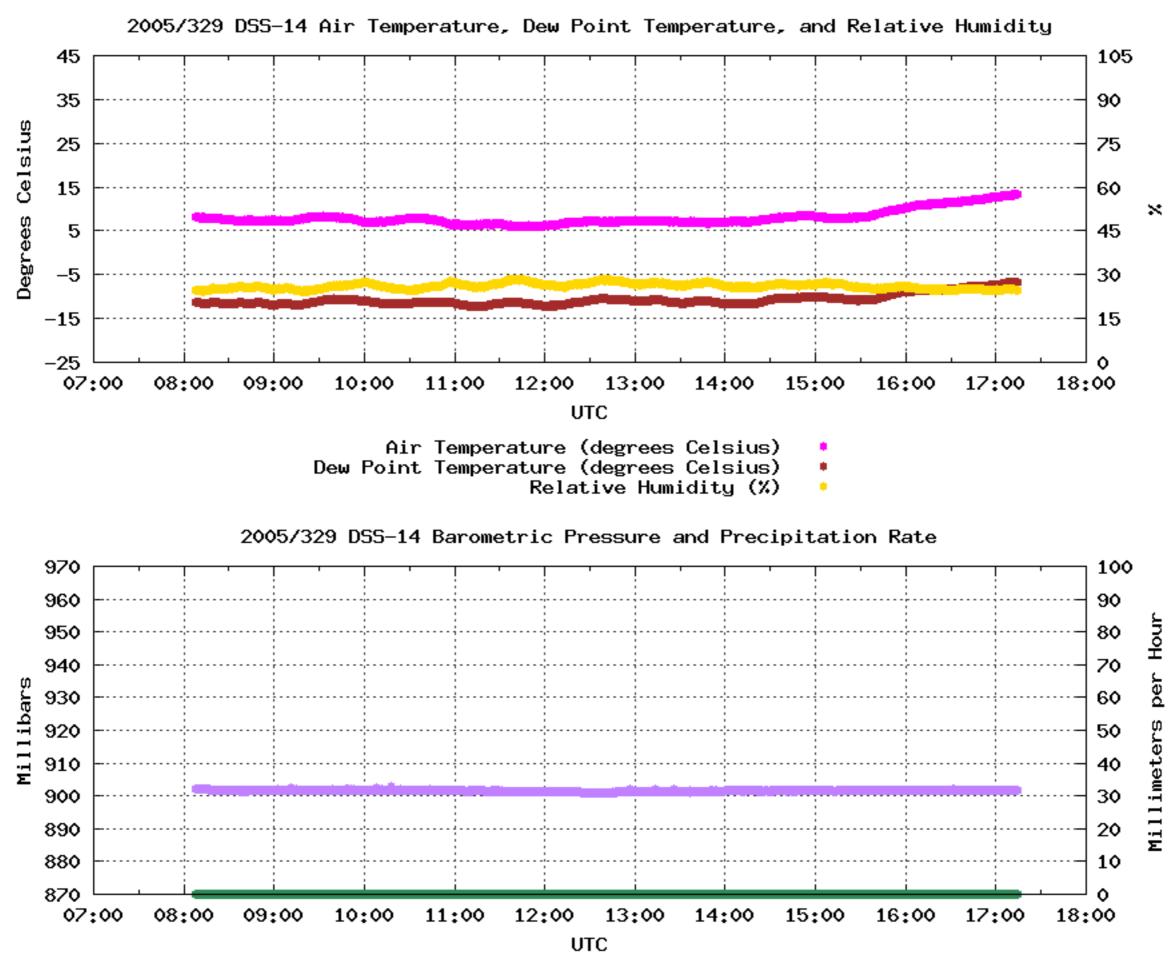


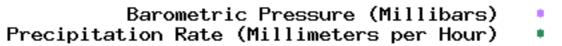
2005/329 DSS-14 Carrier Loop Tracking Bandwidth

# 2005/329 DSS-14 Subreflector Tracking Status (Tracking = 1; Not Tracking = 0)

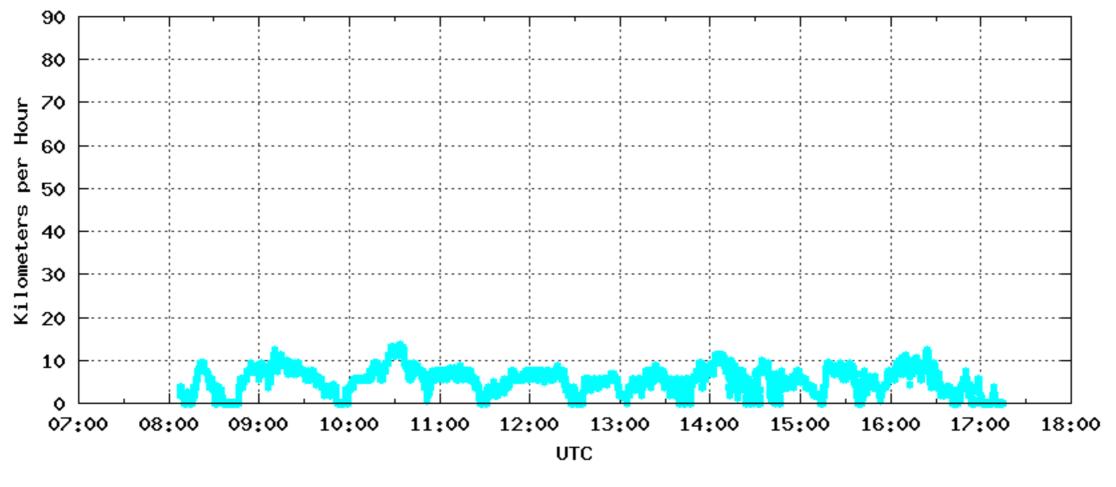
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•														
1														
2	' !	'	'	! '		' !	' !	'	· ·		-' - <u> </u>	,	!	



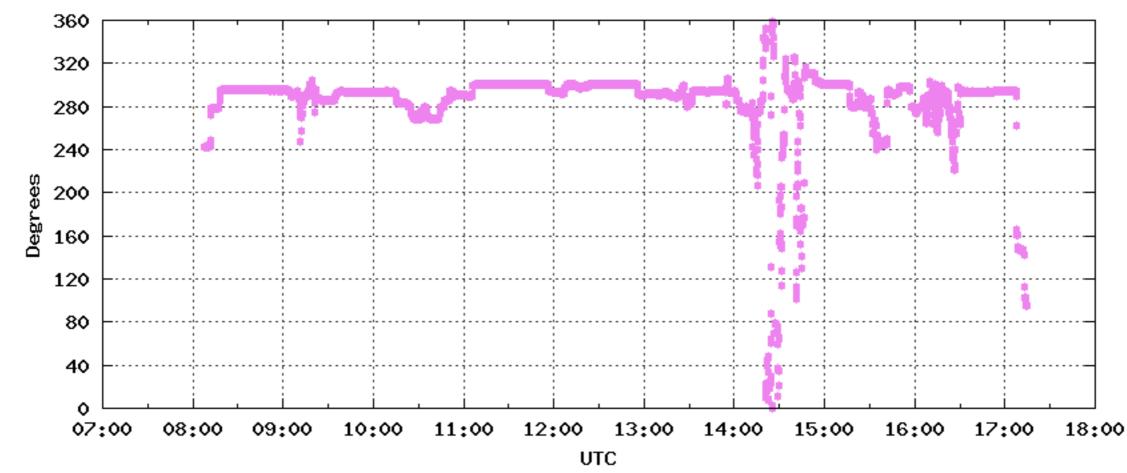


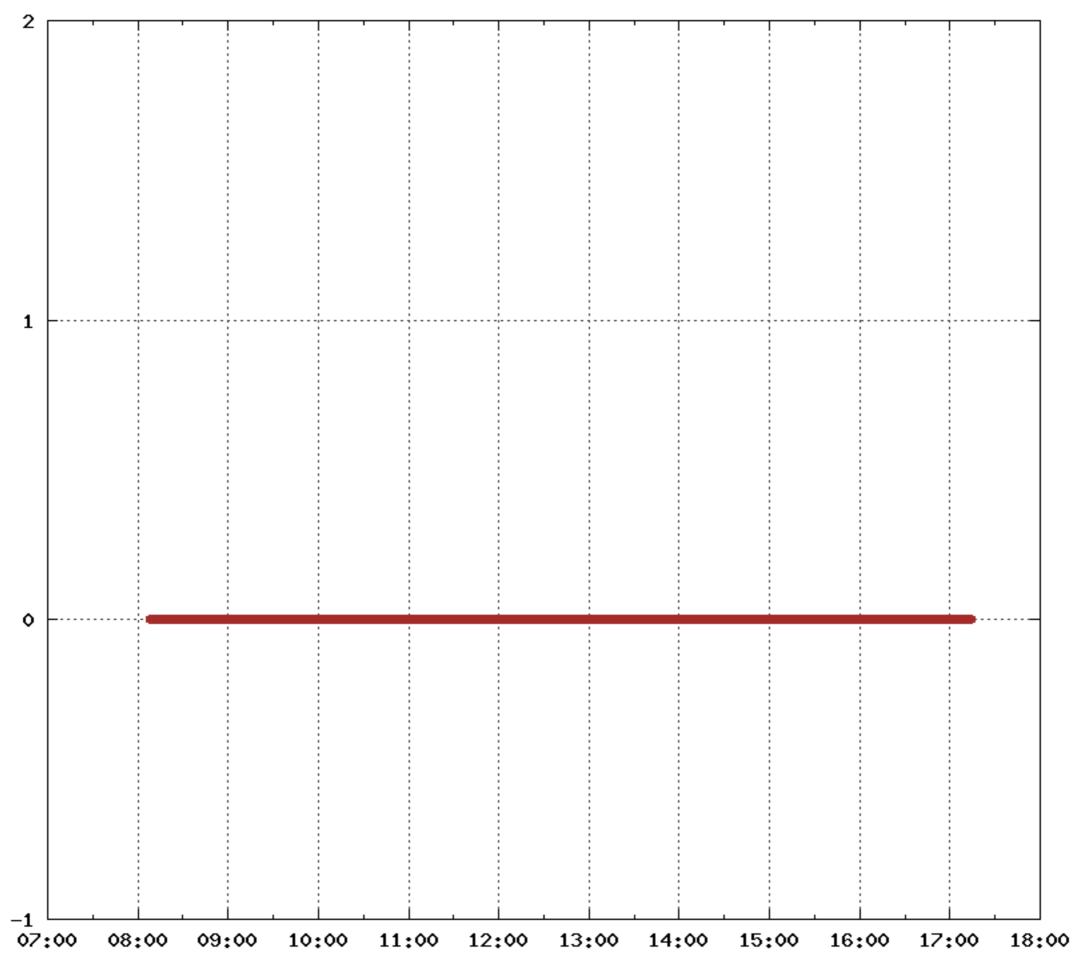


2005/329 DSS-14 Wind Speed

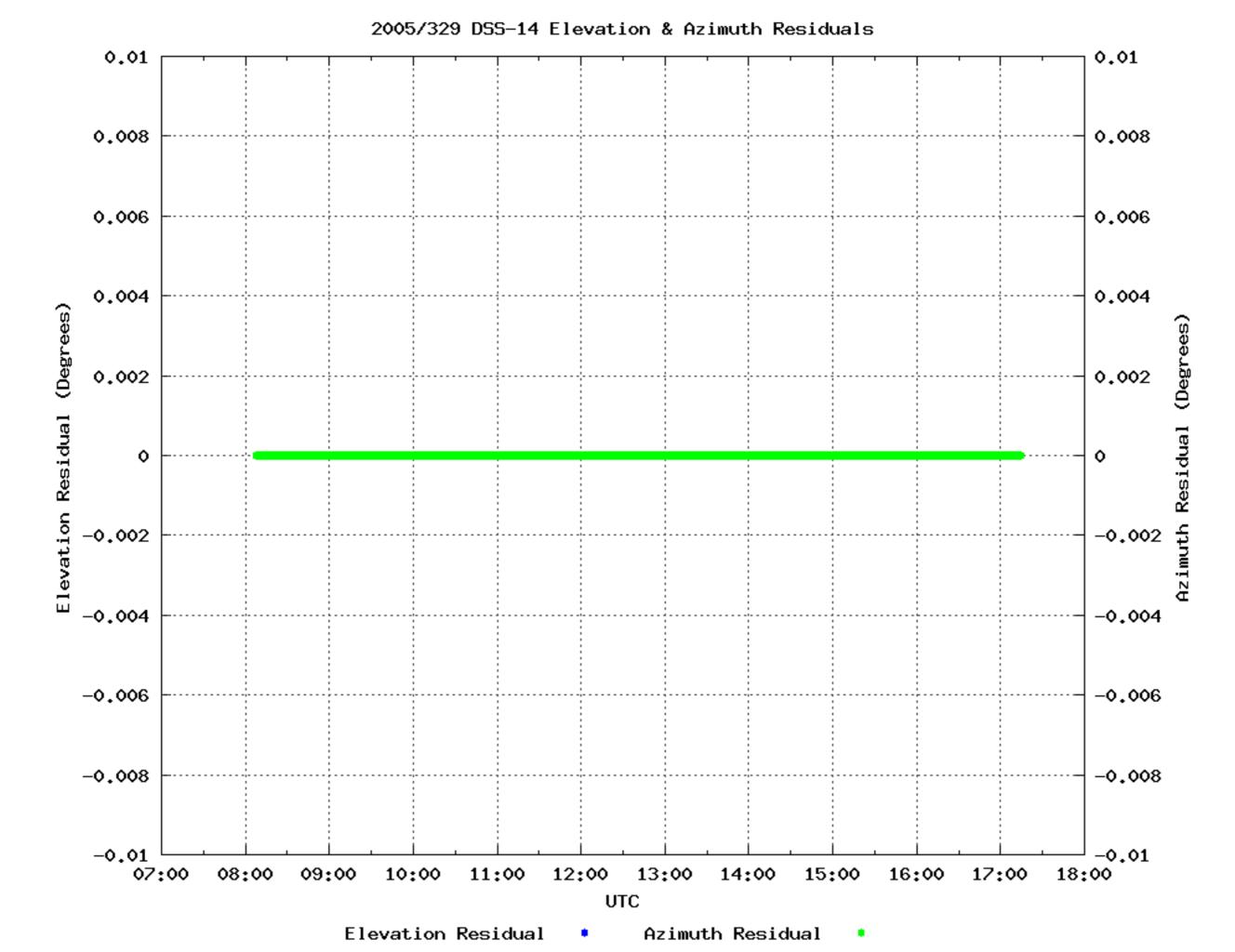


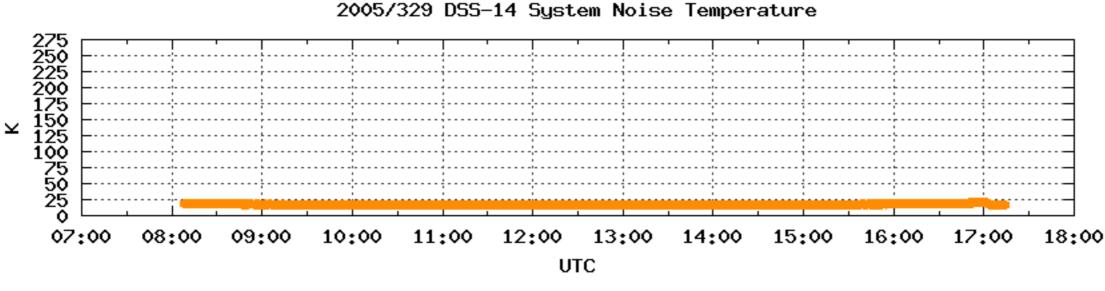




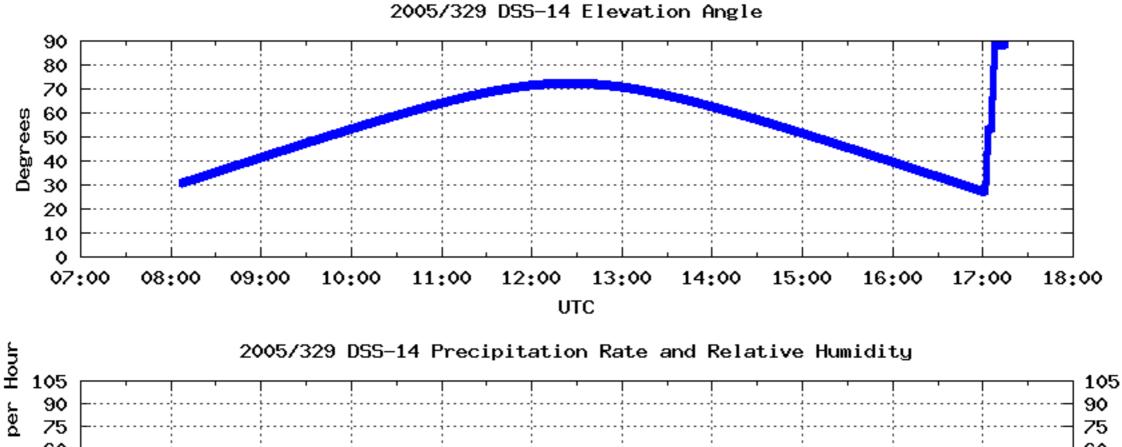


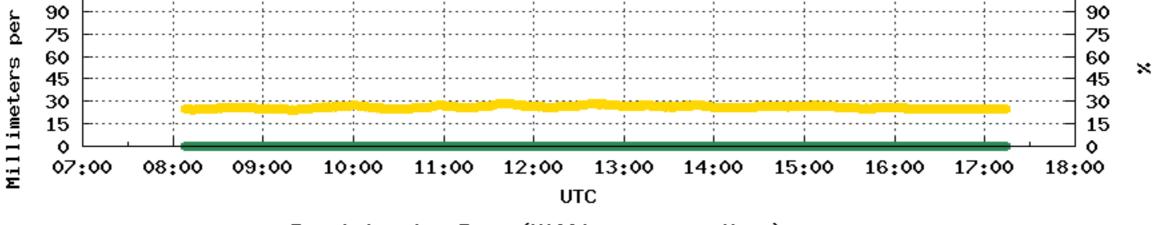
## 2005/329 DSS-14 Conscan Drive Status (ON = 1; OFF = 0)





X-RCP 🕴





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

10. 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)

11. Wind Speed and Direction

Top: Wind Speed (M-0388)

Bottom: Wind Direction (M-0391)

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Conscan Drive Status (M-0308)
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-2818)
    categorized by Downlink Band (M-1245, M-1745, M-2818, 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)
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