Spacecraft: Cassini
DSS: 63
Monitor File: S11SAGS2005_160_0849_63_MON.ecsv
APPLICABLE_START_TIME = 2005-160T08:49:30.920;
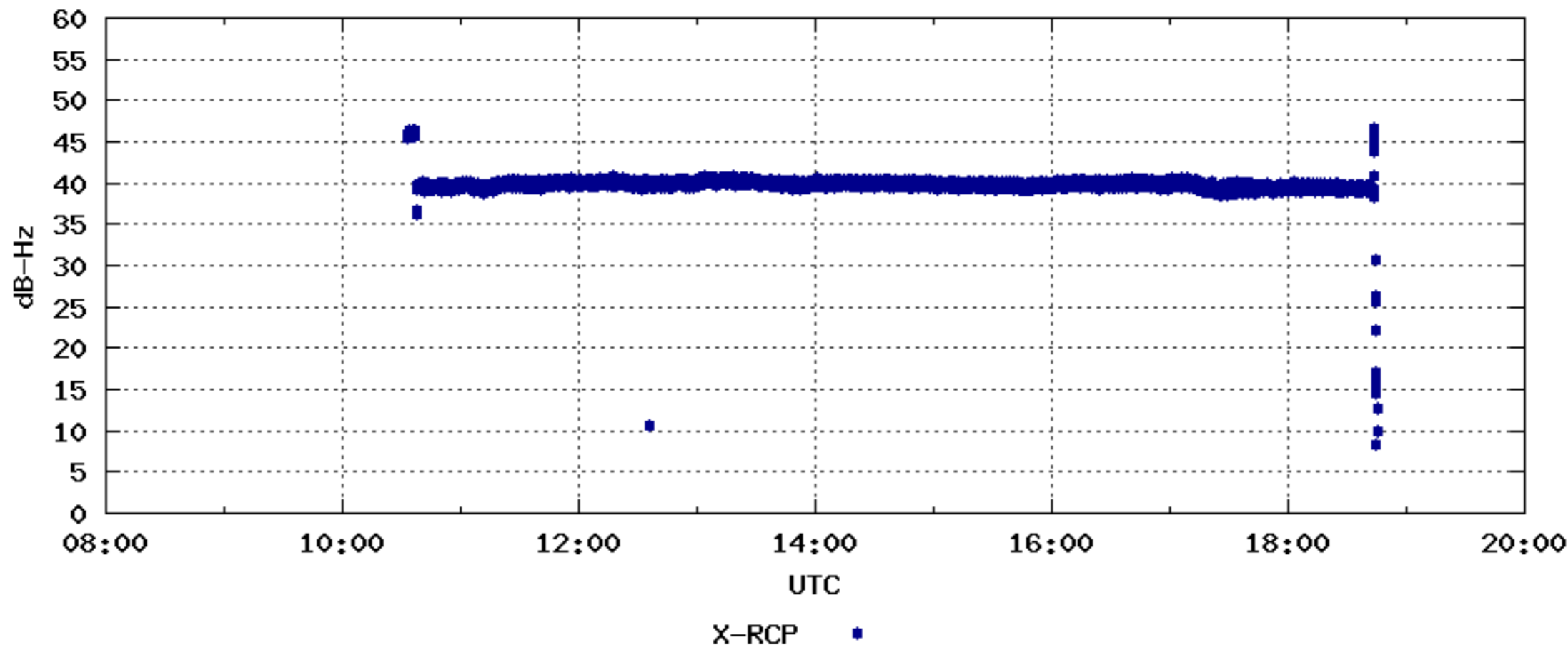APPLICABLE_STOP_TIME = 2005-160T19:04:08.814;
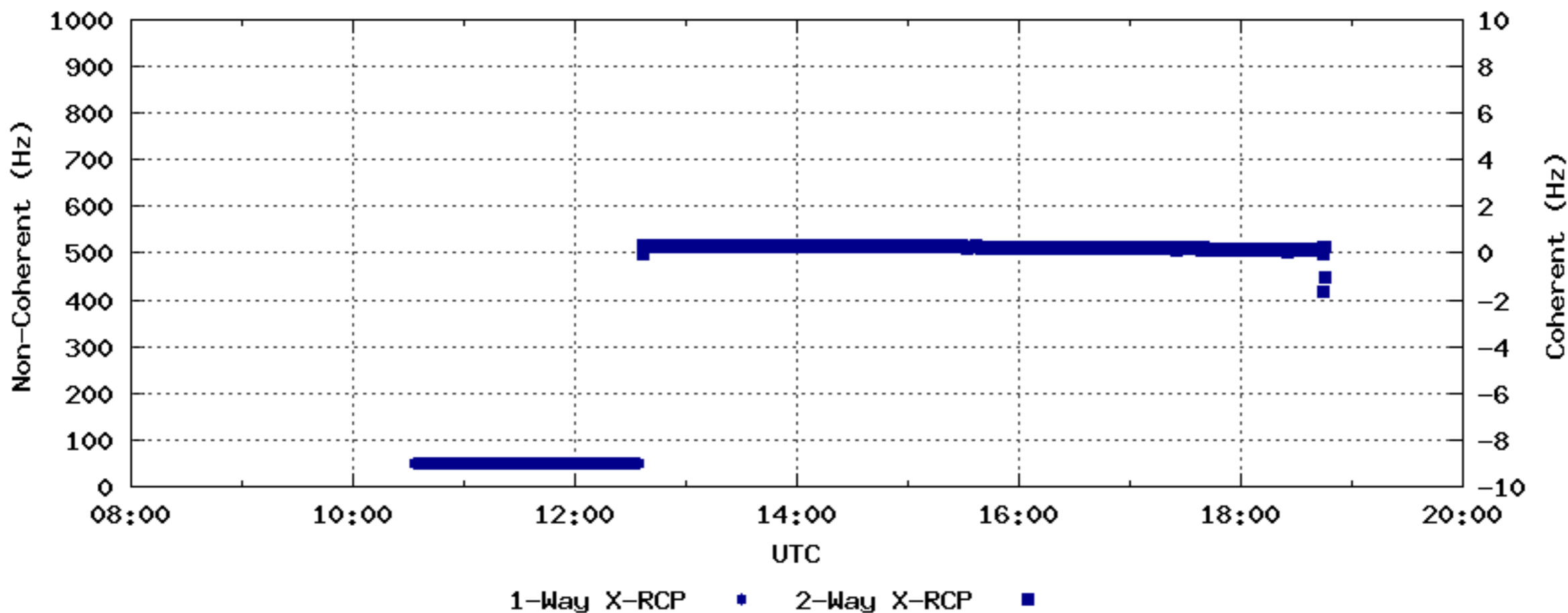60 minutes omitted from beginning of file
5 minutes omitted from end of file

2005/160 DSS-63 Carrier Power to Noise Spectral Density Ratio (Pc/No)

X-RCP

2005/160 DSS-63 Carrier Frequency Residual (Measured − Predicted)

1-Way X-RCP   2-Way X-RCP

2005/160 DSS-63 X-Band Measured and Predicted Carrier Frequency

1-Way Predicted X-RCP ○   1-Way Measured X-RCP ▪
2-Way Predicted X-RCP □   2-Way Measured X-RCP ■
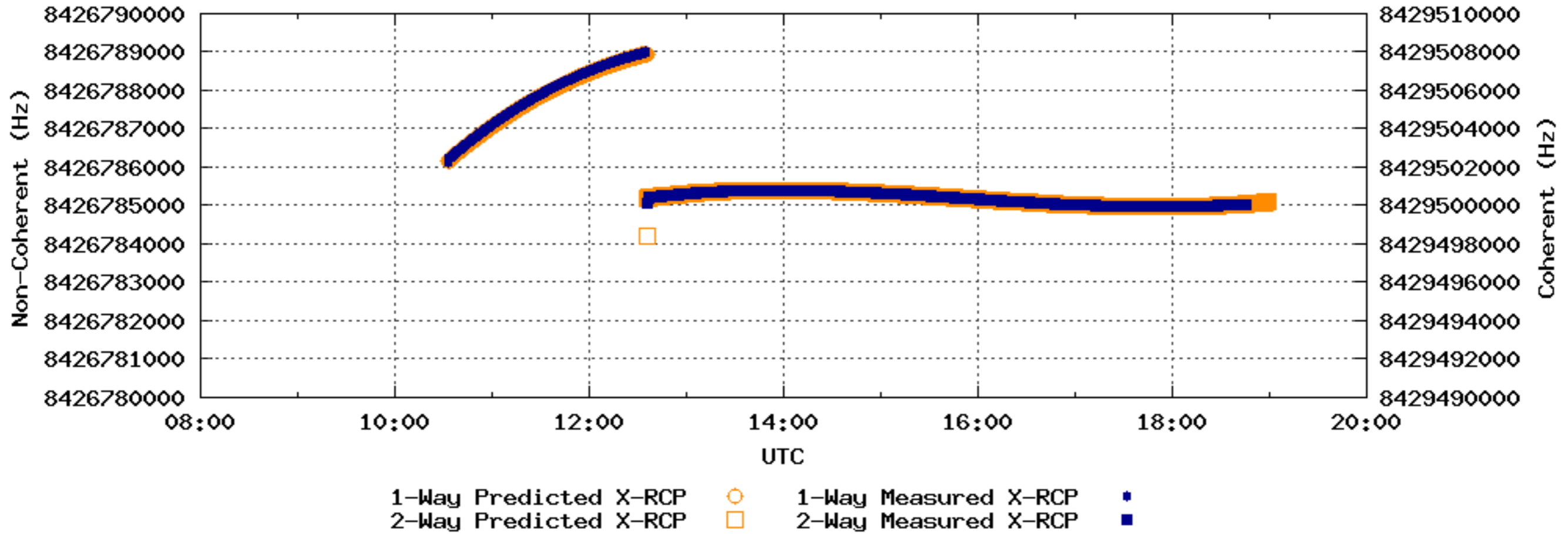
2005/160 DSS-63 X-Band Residual Frequency (Measured - Predicted)

1-Way X-RCP ▪   2-Way X-RCP ■
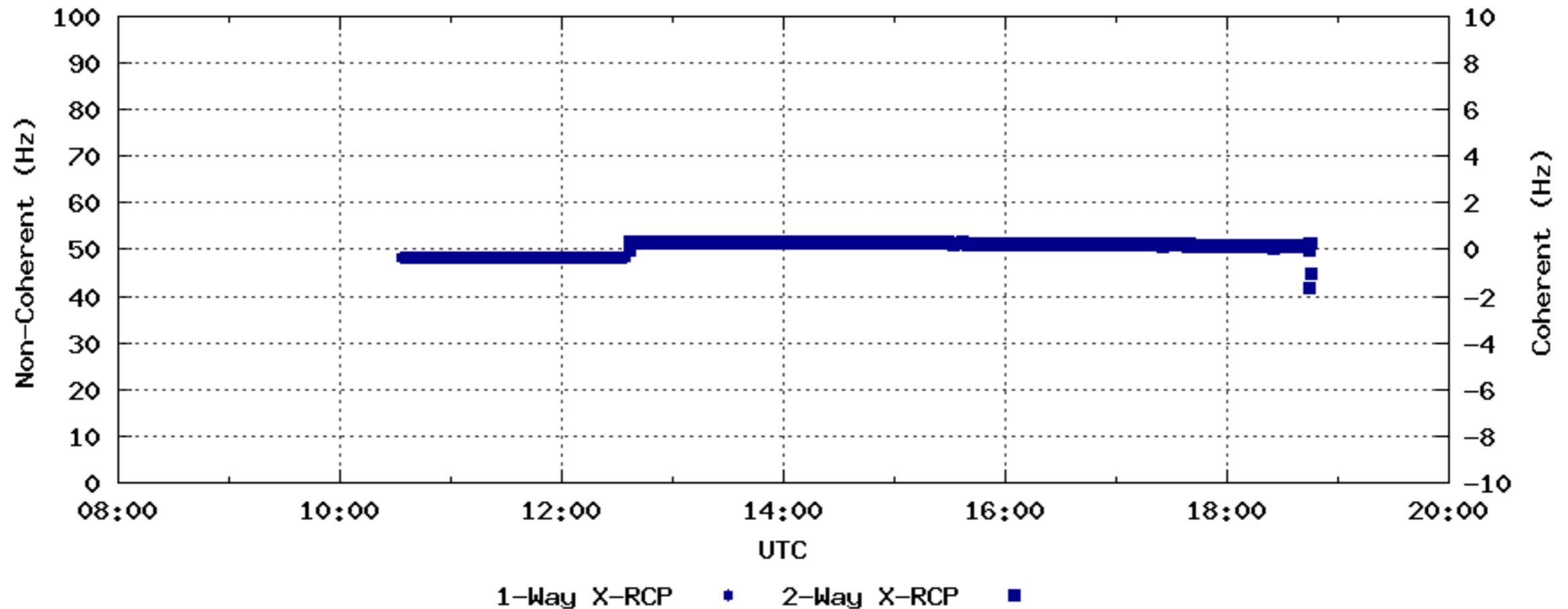
2005/160 DSS-63 Uplink Frequency

Drive OFF   Drive ON
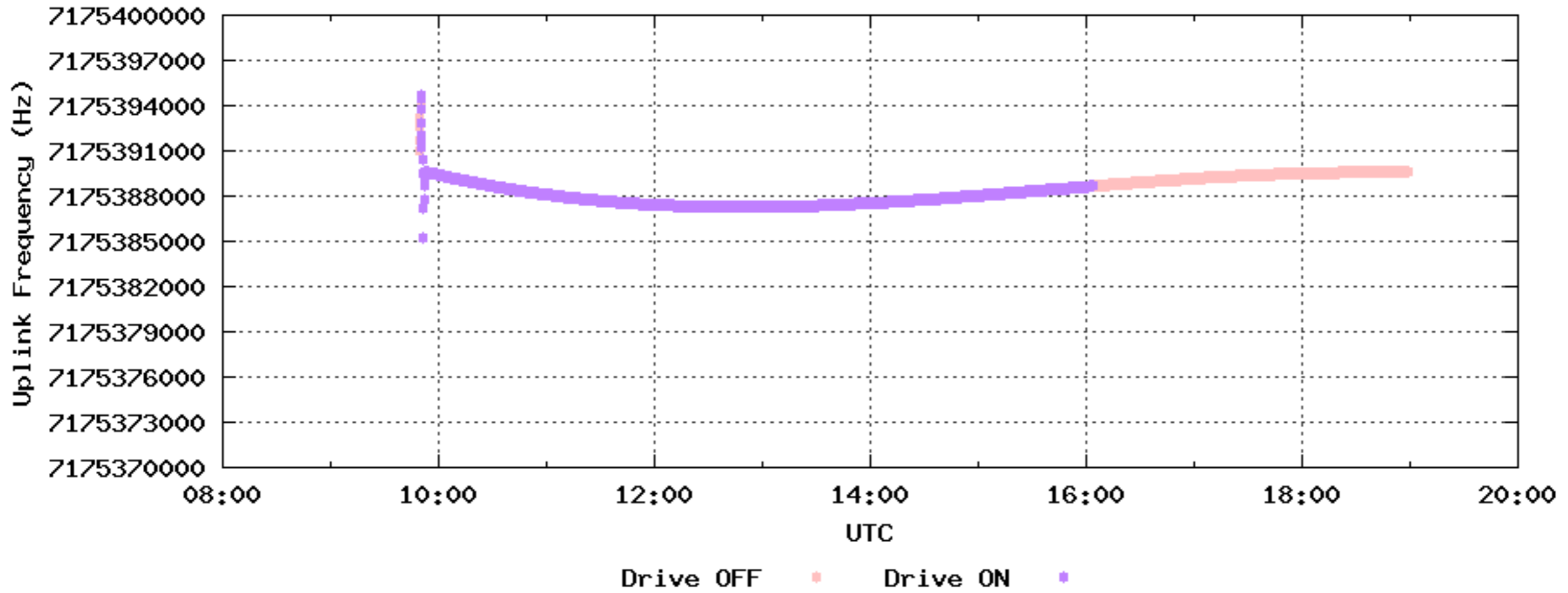
2005/160 DSS-63 Uplink Power (with TXR ON and when > 1)
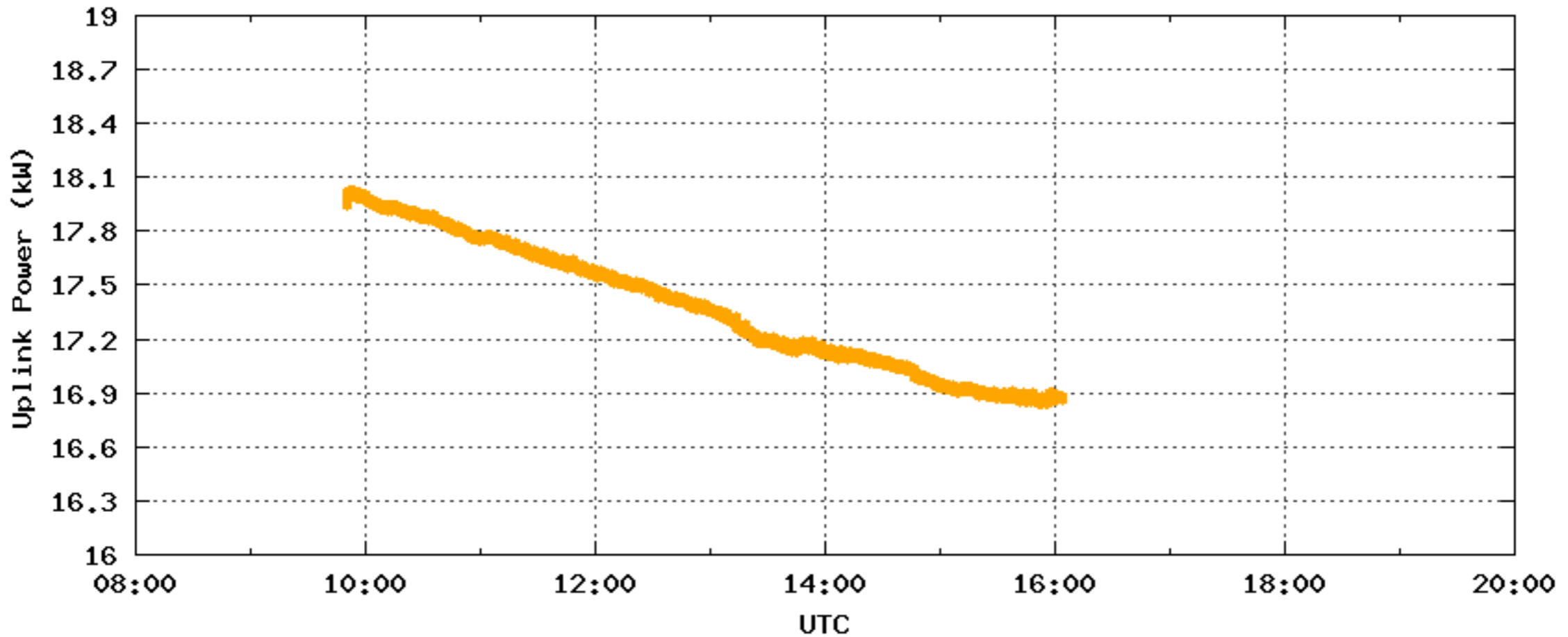
2005/160 DSS-63 Carrier Power to Noise Spectral Density Ratio (Pc/No)
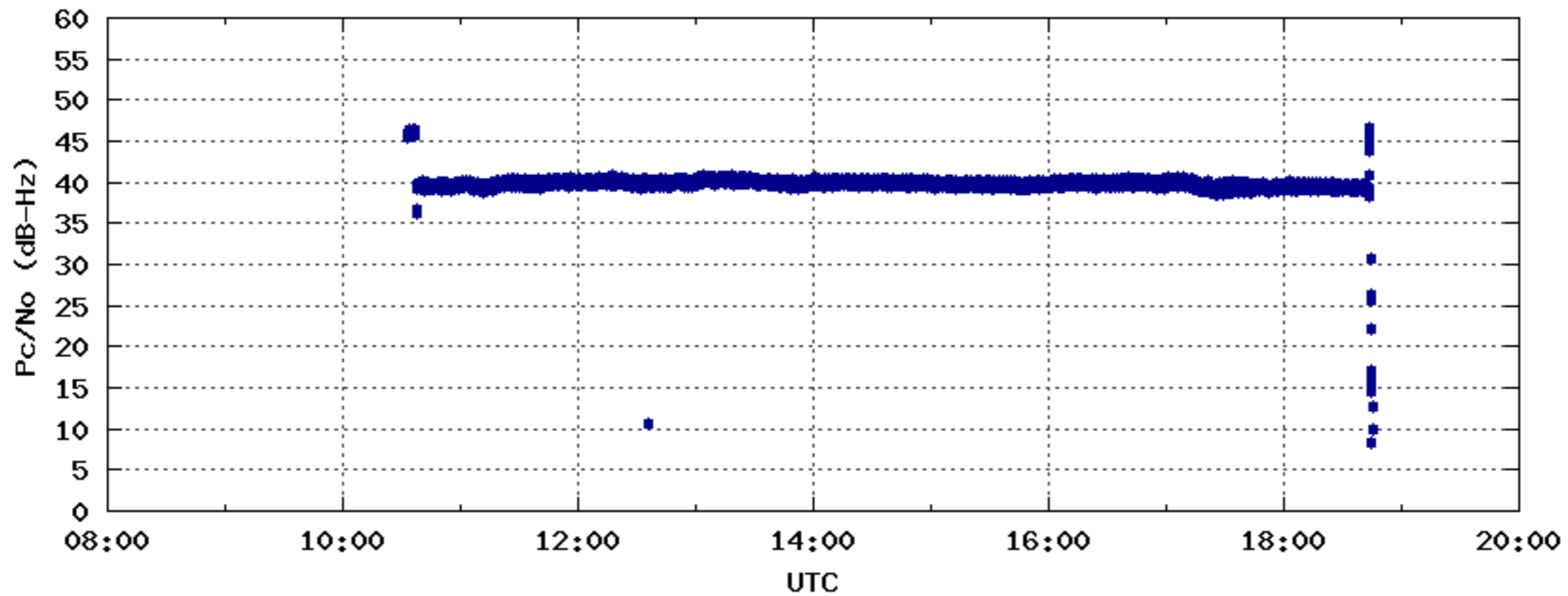
X-RCP

2005/160 DSS-63 Carrier Power

X-RCP

2005/160 DSS-63 Carrier Power to Noise Spectral Density Ratio and System Noise Temperature

2005/160 DSS-63 Carrier Loop Tracking Bandwidth

2005/160 DSS-63 Conscan Drive Status (ON = 1; OFF = 0)

2005/160 DSS-63 System Noise Temperature

X-RCP

02. Carrier Power to Noise Spectral Density Ratio (Pc/No) and Residual
    Frequency
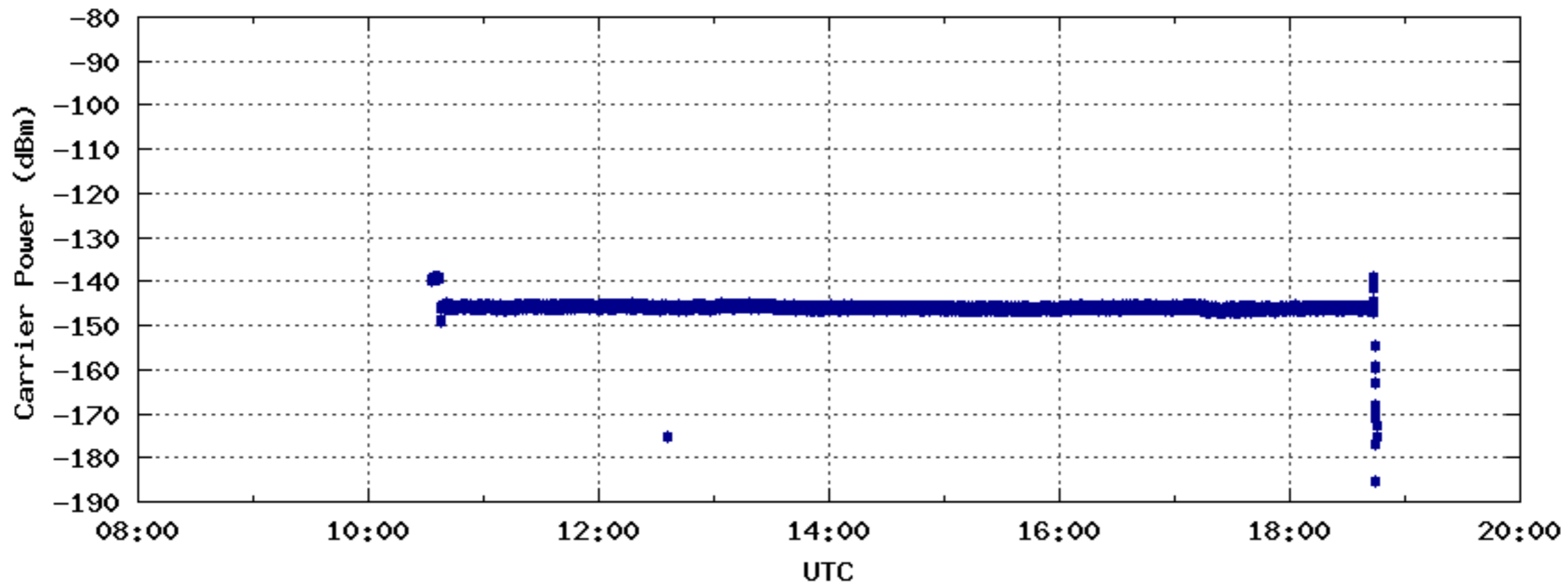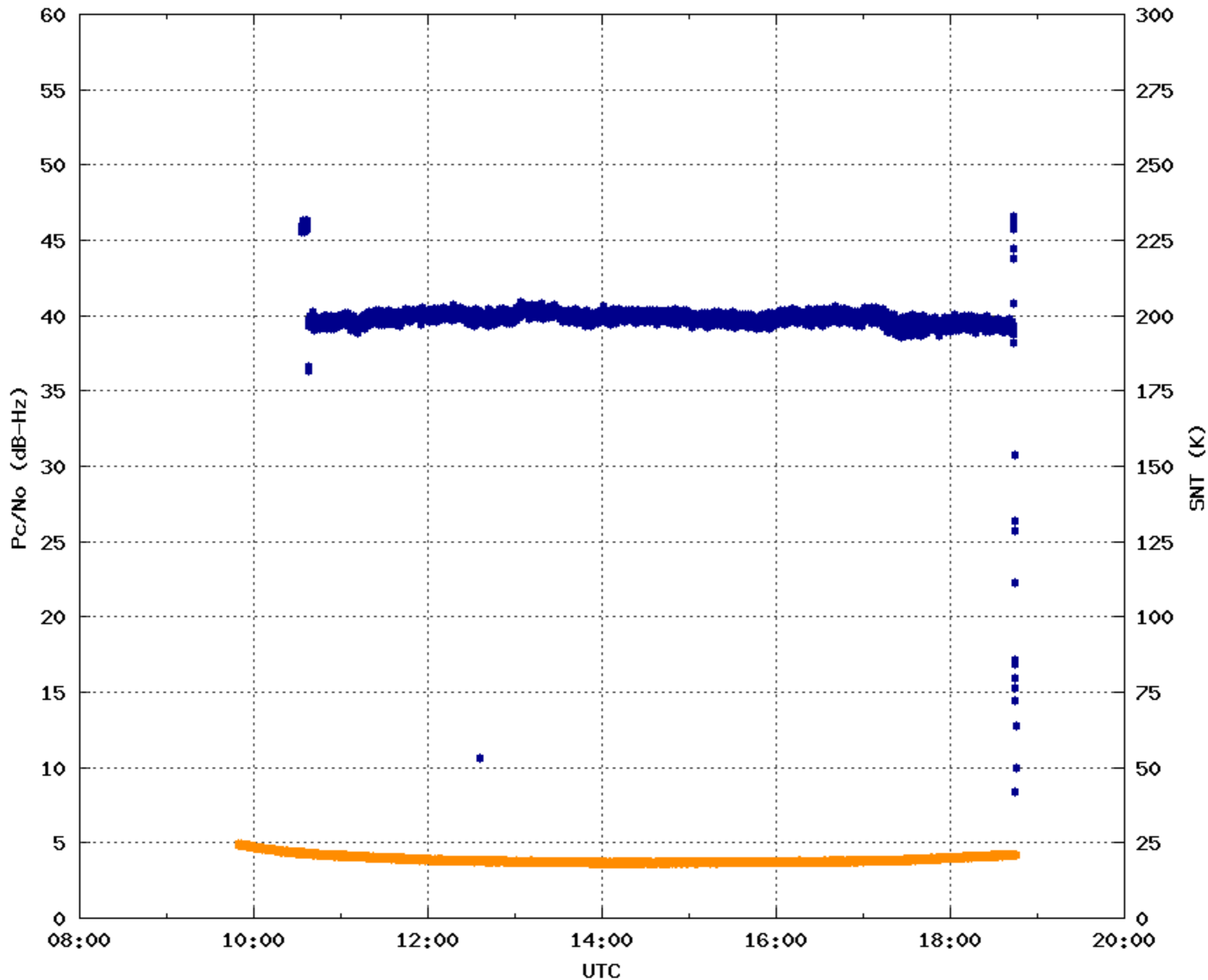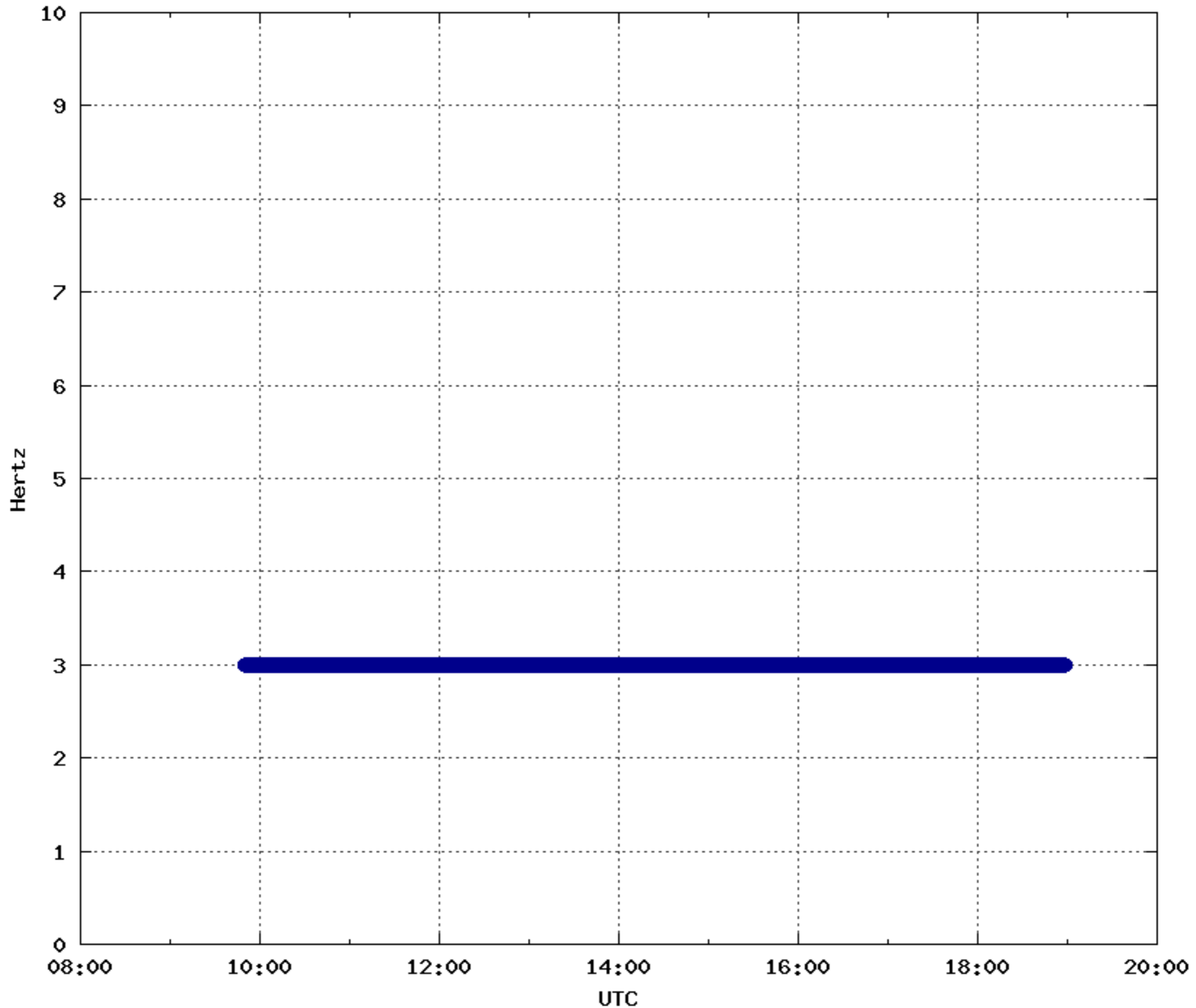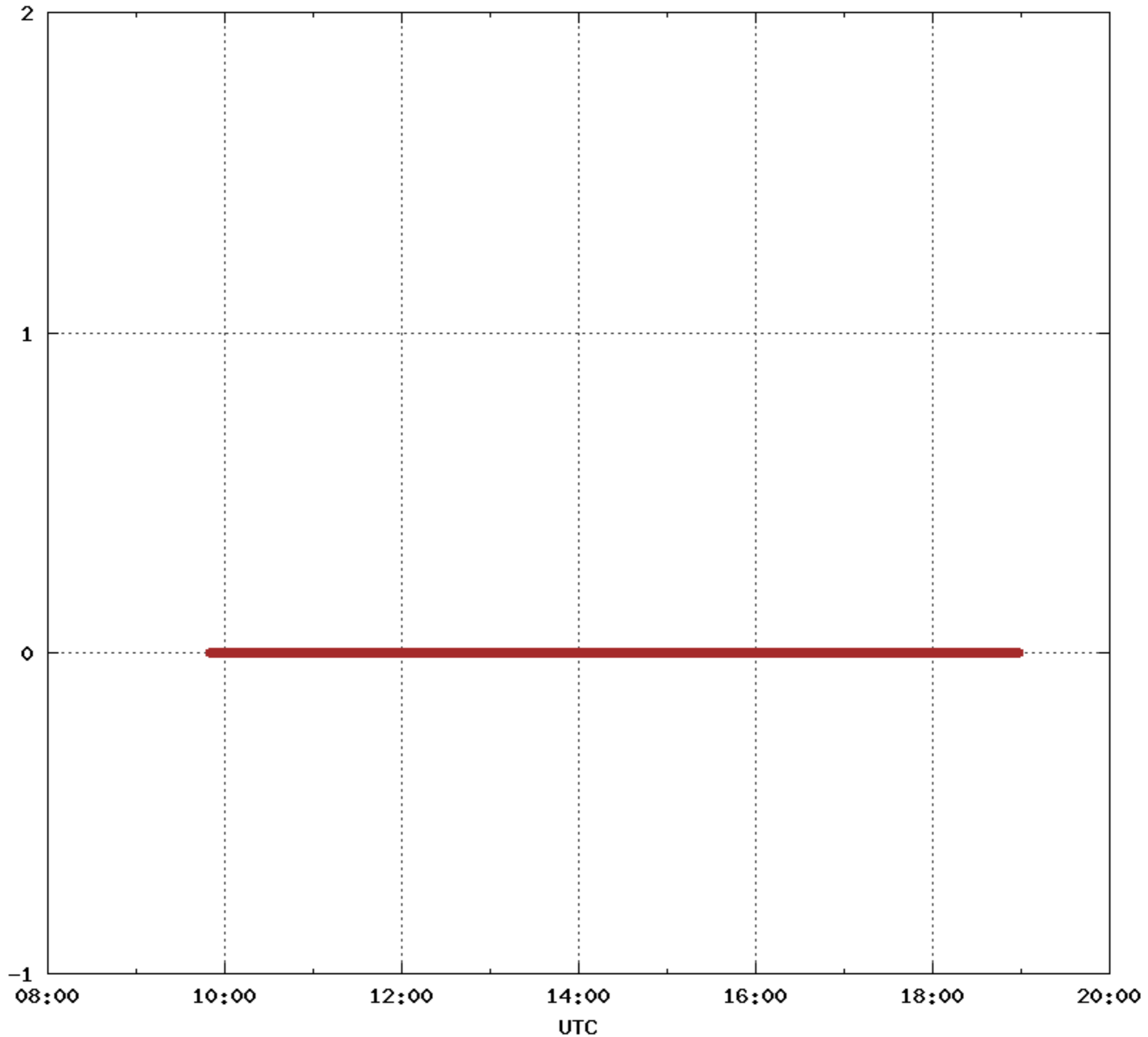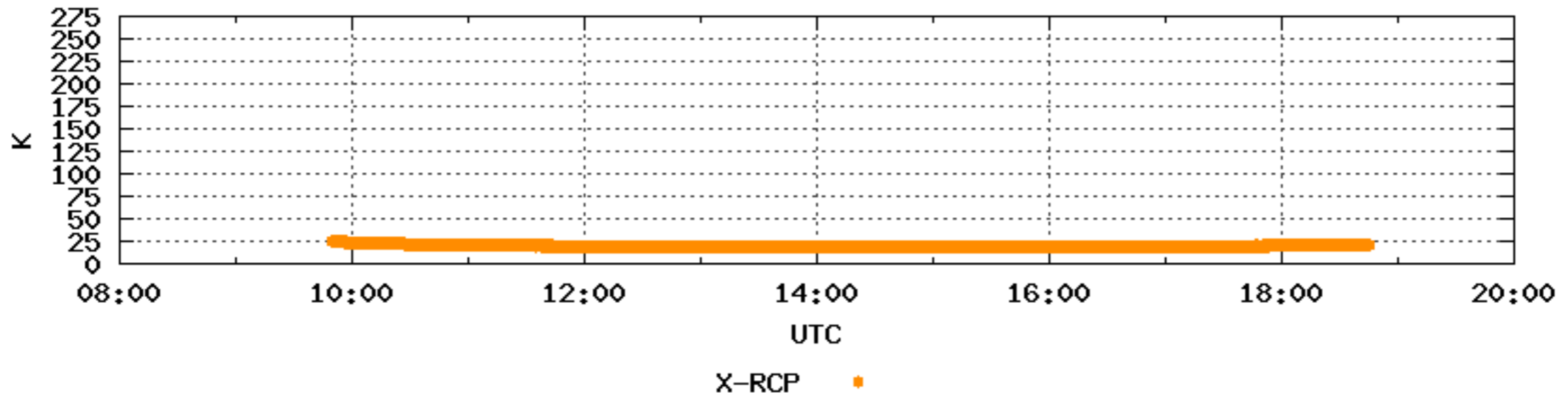
Top:
Carrer Power to Noise Spectral Density Ratio (M-1315, M-1815, M-2315, M-2815)
    filtered by Carrier Tracking Loop Status (M-1302, M-1802, M-2302, M-2802)
    categorized by Downlink Band (M-1245, M-1745, M-2245, M-2745)
    and Polarization (M-1267, M-1767, M-2267, M-2767)

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. Conscan Drive Status

Conscan Drive Status (M-0308)

09. 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)