**IBEX Goat Herder 27 Jan 17**

The inertial maneuver was successful.

We had no data for the first 40 Minutes of a 60 minute contact

The data router configuration was the issue following the change of the

PRIMUS/ATT data lines from Dulles-SSC in PA. The router was reconfigured and we salvaged 15 minutes of the contact.

**RAZOR#622**

***Date*** ***Jday*** ***Time***  ***Station*** ***Razor#*** ***USNPR#*** ***PASS/FAIL***

 **Friday, January 27, 2017** 027 1230 AUWA 622 Fail

***Controller*** ***CAR1*** ***CAR2*** ***CAR3*** ***Radius***  ***S-Band Rate*** ***Station PWR***

 SWesley 12 desc 320ksps

 ***EBNO Values*** ***EBNO Values 3*** ***AGC Strength***

 ***EBNO Values 2*** ***AGC Strength 2***

 ***VC 0*** ***VC 0 Seq Err*** ***VC 1*** ***VC 1 Seq Err*** ***VC 2*** ***VC 2 Seq Err***

 0 0 0 0 0 0

 ***VC 2 Write Pointer***  62290 ***VC 2 Write Pointer End*** 62306

 ***VC 2 Read Pointer***  33760 ***VC 2 Read Pointer End*** 33760

 Orbit# 354 Perigee Tracking Contact

CAR# 894 Upload Orbit# 356 ATS 1.IBEX\_2017\_036\_o0356a\_v001.scr (561-659)

 reset\_master\_timer.scr

 IBEX Orbit # 354 PERIGEE Target Vectors

 J2000 Spin Axis

 ECI X 0.624549

 ECI Y -0.678922

 ECI Z -0.386010

 Precession Maneuver

 MPS Diff 0.731 deg

\*MPS Diff should be < 1.5\*

 Right Ascension - RA 312.611 deg

 Declination - DEC -22.706 deg

 IBEX Spin Axis vs. Sun Vector

 IBEX Sun Angle 4.930 deg

 0.77538400 ActNor.EstInrToBdy[0]

 -0.30296000 ActNor.EstInrToBdy[1]

 0.49779700 ActNor.EstInrToBdy[2]

 0.24329700 ActNor.EstInrToBdy[3]

 1169560000.000 ActNor.EstTime

 MPS Generated Target Vectors

 MPS Cmd Vector X 0.621391000

 MPS Cmd Vector Y -0.675047000

 MPS Cmd Vector Z -0.397724000

CSS Angle TLM 0.864793 22 Jan 17 @1700

CSS Sun-Pointing Angle 1.729586

CSS Angle TLM 1.87137 27 Jan 17 @1230

CSS Sun-Pointing Angle 3.74274

Pre-Burn

Thruster 1 7008 22 Jan 17 @1700

Thruster 2 6848

Thruster 3 7712

Thruster 4 7872

Post-Burn

Thruster 1 7504 27 Jan 17 @1230

Thruster 2 7296

Thruster 3 8192

Thruster 4 8400

Number of Pulses

Thruster 1 496

Thruster 2 448

Thruster 3 480

Thruster 4 528

Thruster Pairs

Thruster 1 & 2 944

Thruster 3 & 4 1008