**IBEX Goat Herder 8 Jan 18**

The Perigee tracking contact for Orbit# 392 was nominal for command/telemetry and the inertial maneuver successful.

The SSR Data was dumped with APL-18 and currently in review

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

**Monday, January 08, 2018** 008 1000 USHI02 Pass

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

SWesley 953 11 asc 320ksps 200 watts

***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***

1905 1 1309 0 0 0

***VC 2 Write Pointer Start*** 58912 ***VC 2 Write Pointer End*** 58966

***VC 2 Read Pointer Start*** 58496 ***VC 2 Read Pointer End*** 58496

Orbit# 392 Perigee Tracking Contact/CAR# 953 Upload Orbit# 394 ATS 1.IBEX\_2018\_017\_o0394a\_v001.scr(587-

678)/reset\_master\_timer.scr/ops\_set\_sc\_time.scr/@ACT\_ResetTaskRawFailed(AC\_FDC) /@FTG\_DumpBackorbit (from start,0,0,0,0)

IBEX Orbit# 392 PERIGEE Target Vectors 8 Jan 18

J2000 Spin Axis

ECI X 0.240742

ECI Y -0.891031

ECI Z -0.384847

Precession Maneuver

MPS Diff 0.751 deg

\*MPS Diff should be < 1.5\*

0.82347700 ActNor.EstInrToBdy[0]

0.11962100 ActNor.EstInrToBdy[1]

0.06618730 ActNor.EstInrToBdy[2]

0.55063200 ActNor.EstInrToBdy[3]

1199440000.000 ActNor.EstTime

Right Ascension - RA 285.119 deg

Declination - DEC -22.634 deg

IBEX Spin Axis vs. Sun Vector

IBEX Sun Angle -4.126 deg

MPS Generated PERIGEE Target Vectors

MPS Cmd Vector X 0.247885000

MPS Cmd Vector Y -0.885021000

MPS Cmd Vector Z -0.394070000

CSS Angle TLM 0.474778

CSS Sun-Pointing Angle 0.949556

03 Jan 18 @1900

CSS Angle TLM 1.31105

CSS Sun-Pointing Angle 2.6221

08 Jan 18 @1000

Pre-Burn

Thruster 1 992 03 Jan 18 @1900

Thruster 2 912

Thruster 3 1264

Thruster 4 1344

Post-Burn

Thruster 1 1104 08 Jan 18 @1000

Thruster 2 1024

Thruster 3 1392

Thruster 4 1472

Number of Pulses

Thruster 1 112

Thruster 2 112

Thruster 3 128

Thruster 4 128

Thruster Pairs

Thruster 1 & 2 224

Thruster 3 & 4 256