**IBEX Goat Herder 13 Feb 18**

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

**Monday, February 12, 2018** 043 1500 AUWA Pass

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

SWesley 13 desc 64ksps 160 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***

1159 4 1392 33 0 0

***VC 2 Write Pointer Start*** 1433 ***VC 2 Write Pointer End*** 1462

***VC 2 Read Pointer Start*** 37161 ***VC 2 Read Pointer End*** 37161

Orbit# 396 Perigee Tracking Contact

reset\_master\_timer.scr

@FMI\_SetDownlink(40k)

@FTG\_DumpBackorbit(from start,0,0,0,0)

@FMI\_SetDownlink(64k)

ops\_set\_sc\_time.scr

stx,off

IBEX Orbit# 396 PERIGEE Target Vectors 12 Feb 18 @1500 UTC

J2000 Spin Axis

ECI X 0.772117

ECI Y -0.583142

ECI Z -0.252548

Precession Maneuver

MPS Diff 0.648 deg

\*MPS Diff should be < 1.5\*

-0.09958460 ActNor.EstInrToBdy[0]

0.78508400 ActNor.EstInrToBdy[1]

-0.42689500 ActNor.EstInrToBdy[2]

0.43759200 ActNor.EstInrToBdy[3]

1202480000.000 ActNor.EstTime

02/12/2018 14:13:06

Right Ascension - RA 322.938 deg

Declination - DEC -14.628 deg

IBEX Spin Axis vs. Sun Vector

IBEX Sun Angle -3.250 deg

IBEX MPS Generated PERIGEE Target Vectors

MPS Cmd Vector X 0.775715000

MPS Cmd Vector Y -0.575173000

MPS Cmd Vector Z -0.259696000

CSS Angle TLM 0.56639

CSS Sun-Pointing Angle 1.13278

08 Feb 18@1700

CSS Angle TLM 0.717916

CSS Sun-Pointing Angle 1.435832

12 Feb 18 @1500

Pre-Burn

Thruster 1 3248 08 Feb 18@1700

Thruster 2 3120

Thruster 3 3968

Thruster 4 4096

Post-Burn

Thruster 1 3248 08 Feb 18@1700

Thruster 2 3120

Thruster 3 3968

Thruster 4 4096

Number of Pulses

Thruster 1 0

Thruster 2 0

Thruster 3 0

Thruster 4 0

Thruster Pairs

Thruster 1 & 2 0

Thruster 3 & 4 0 ***Date*** ***Jday*** ***Time***  ***Station*** ***Razor#*** ***USNPR#*** ***PASS/FAIL***

**Tuesday, February 13, 2018** 044 0700 USHI01

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

SWesley 11 asc 160ksps 198 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***

1512 2 1309 0 30484 0

***VC 2 Write Pointer Start*** 2106 ***VC 2 Write Pointer End*** 2144

***VC 2 Read Pointer Start*** 37161 ***VC 2 Read Pointer End*** 2109

Orbit# 396 SSR\_Dump/Tracking Contact

@FMI\_SetDownlink (320k)

SSR\_Dump.scr(new)

@FTG\_DumpBackorbit(from start,0,0,0,0)

@ACT\_ResetTaskRAwFAiled (AC\_FDC)

stx,off