**IBEX Goat Herder**

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

**Wednesday, December 21,**  356 0700 USAK Pass

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

SWesley 888 12 Desc 320ksps 200 watts

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

@0659=7.89-9.25db (160k) @0659=-104.70db(160k)

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

@0700=4.95-6.53db(320k) @0700=-104.76db (320k)

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

1894 2 0 0 27861 0

***VC 2 Write Pointer***  34358 ***VC 2 Write Pointer End*** 34398

***VC 2 Read Pointer***  6500 ***VC 2 Read Pointer End*** 34361

Orbit# 350 SSR\_Dump/Tracking Contact

Reset\_master\_timer.scr

@FMI\_SetDownlink (320k)

SSR\_Dump.scr (new)

Stx, off (2016/12:21:19:32:00,660)

@FCH\_DelTimedCMD(383,stx off 2016:12:21:19:00:00)

CAR# 888 Upload Orbit# 352 ATS 1.IBEX\_2016\_365\_o0352a\_v001.scr (661-757)

ops\_set\_sc\_time.scr

IBEX Orbit# 350 PERIGEE Target Vectors

J2000 Spin Axis

ECI X 0.010847

ECI Y -0.918444

ECI Z -0.395403

Precession Maneuver

MPS Diff 0.810 deg

MPS Diff should be < 1.5

Right Ascension - RA 270.677 deg

Declination - DEC -23.291 deg

IBEX Spin Axis vs. Sun Vector

IBEX Sun Angle 0.767 deg

0.47166500 ActNor.EstInrToBdy[0]

0.68937200 ActNor.EstInrToBdy[1]

-0.45007300 ActNor.EstInrToBdy[2]

0.31580500 ActNor.EstInrToBdy[3]

1166340000.000 ActNor.EstTime

MPS Generated PERIGEE Target Vectors

MPS Cmd Vector X 0.017073000

MPS Cmd Vector Y -0.913279000

MPS Cmd Vector Z -0.406976000

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

**Wednesday, December 21,**  356 1800 USAK Pass

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

TPerry 889 12 asc 320ksps 355

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

5.56 - 6.0 @320k 104 @320k

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

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

1893 0 0 0 0 0

***VC 2 Write Pointer***  0 ***VC 2 Write Pointer End*** 0

***VC 2 Read Pointer***  0 ***VC 2 Read Pointer End*** 0

Star tracker Dump Uncompressed