**IBEX Goat Herder**

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

**Friday, February 24, 2017** 055 0530 AUWA Pass

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

SWesley 899 12 desc 320ksps 208 watts

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

@0530=7.40- @0530=-102.27db(160ksps)

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

@0531=4.70- @0531=-102.90db(320k)

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

1188 2 0 0 28171 0

***VC 2 Write Pointer***  62353 ***VC 2 Write Pointer End*** 62391

***VC 2 Read Pointer***  34185 ***VC 2 Read Pointer End*** 62356

Orbit# 357 SSR\_Dump/Tracking Contact @FMI\_SetDownlink(320k)/reset\_mater\_timer.scr/ops\_set\_sc\_timer.scr/CAR# 899 Upload

Orbit# 359 ATS 1.IBEX\_2017\_064\_o0359a\_v001.scr (682-771)

IBEX Orbit# 357 PERIGEE Target Vectors 24 Feb 17 @0530 UTC

J2000 Spin Axis

ECI X 0.918828

ECI Y -0.362096

ECI Z -0.156977

Precession Maneuver

MPS Diff 0.626 deg

MPS Diff should be < 1.5

Right Ascension - RA 338.491 deg

Declination - DEC -9.031 deg

IBEX Spin Axis vs. Sun Vector

IBEX Sun Angle 0.971 deg

-0.35714000 ActNor.EstInrToBdy[0]

0.67152000 ActNor.EstInrToBdy[1]

-0.49379100 ActNor.EstInrToBdy[2]

0.42152300 ActNor.EstInrToBdy[3]

1171950000.000 ActNor.EstTime

MPS Generated Perigee Target Vectors

MPS Cmd Vector X 0.920309000

MPS Cmd Vector Y -0.354749000

MPS Cmd Vector Z -0.164875000

CSS Angle TLM 1.85477 20 Feb 17 @1800

CSS Sun-Pointing Angle 3.70954

CSS Angle TLM 0.302612 24 Feb 17 @0530

CSS Sun-Pointing Angle 0.605224

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

**Friday, February 24, 2017** 055 1730 USAK Pass

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

TPerry 64ksps

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

-109

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

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

1907 1 0 0 0 0

Pass nominal