**IBEX Goat Herder 3 Mar 18**

The Orbit# 398 Perigee contacts were nominal for command/telemetry and the inertial maneuver successful.

The ACE reset prior to the descending payload and inertial maneuver commands on 1 Mar 18 @0226 UTC. The Failure Detection and Correction logic was reset using the FDC\_enable\_disable.scr script as specified in S924-OP31203

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

**Friday, March 02, 2018** 061 1430 AUWA Pass

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

SWesley 962 963 13 desc 40ksps 153 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***

0 0 0 0 0 0

***VC 2 Write Pointer***  36925 ***VC 2 Write Pointer End*** 36973

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

Orbit# 398 Perigee Tracking Contact

reset\_master\_timer.scr

CAR# 962 Upload Orbit# 400 ATS 1.IBEX\_2018\_070\_o0400a\_v001.scr (139-236)

CAR# 963 ACE Reset Recovery S924-OP31203 1.FDC\_enable\_disable.scr(as a whole,enable)

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

stx,off

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

**Saturday, March 03, 2018** 062 0600 USHI02 Pass

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

SWesley 12 asc 160ksps 192 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***

1926 2 1310 0 31334 0

***VC 2 Write Pointer***  37830 ***VC 2 Write Pointer End*** 37879

***VC 2 Read Pointer***  6500 ***VC 2 Read Pointer End*** 37834

Orbit# 398 Perigee SSR\_Dump/Tracking Contact

@FMI\_SetDownlink(320k)

SSR\_Dump.scr(new)

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

IBEX Orbit# 398 PERIGEE MPS Generated Target Vectors 3 Mar 18

MPS Cmd Vector X 0.957193000

MPS Cmd Vector Y -0.261338000

MPS Cmd Vector Z -0.124433000

CSS Angle TLM 1.25897

CSS Sun-Pointing Angle 2.51794

2 Mar18@1430

CSS Angle TLM 0.61912

CSS Sun-Pointing Angle 1.23824

3 Mar 18@0600

Pre-Burn

Thruster 1 0 2 Mar18@1430

Thruster 2 0

Thruster 3 0

Thruster 4 0

Post-Burn

Thruster 1 320 3 Mar 18@0600

Thruster 2 288

Thruster 3 304

Thruster 4 336

Number of Pulses

Thruster 1 320

Thruster 2 288

Thruster 3 304

Thruster 4 336

Thruster Pairs

Thruster 1 & 2 608

Thruster 3 & 4 640