**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