**IBEX Goat Herder 10 Aug 18**

The Apogee tracking contact for Orbit# 416 was nominal for command/telemetry and the inertial maneuver successful

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

**Friday, August 10, 2018** 222 1130 USHI01 Pass

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

SWesley 45 desc 2ksps 247 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***

218 1 0 0 0 0

***VC 2 Write Pointer Start*** 7294 ***VC 2 Write Pointer End*** 7369

***VC 2 Read Pointer Start*** 56209 ***VC 2 Read Pointer End*** 56209

Orbit# 416 Apogee Tracking Contact

IBEX Orbit# 416 APOGEE Target Vectors 10 Aug 18

J2000 Spin Axis

ECI X -0.700156

ECI Y 0.654485

ECI Z 0.285362

Precession Maneuver

MPS Diff 0.710 deg

\*MPS Diff should be < 1.5\*

Right Ascension - RA 136.931 deg

Declination - DEC 16.581 deg

IBEX Spin Axis vs. Sun Vector

IBEX Sun Angle -3.392 deg

-0.58192300 ActNor.EstInrToBdy[0]

0.13669100 ActNor.EstInrToBdy[1]

0.69531600 ActNor.EstInrToBdy[2]

0.39902000 ActNor.EstInrToBdy[3]

1217940000.000 ActNor.EstTime

MPS Generated AGOGEE Target Vectors

MPS Cmd Vector X -0.702814000

MPS Cmd Vector Y 0.656693000

MPS Cmd Vector Z 0.273506000

CSS Angle TLM 0.310274

CSS Sun-Pointing Angle 0.620548

05 Aug 18 @1200

CSS Angle TLM 0.695207

CSS Sun-Pointing Angle 1.390414

10 Aug 18 @1130

Pre-Burn

Thruster 1 2992 05 Aug 18 @1200

Thruster 2 2928

Thruster 3 3344

Thruster 4 3408

Post-Burn

Thruster 1 3328 10 Aug 18 @1130

Thruster 2 3200

Thruster 3 3648

Thruster 4 3776

Number of Pulses

Thruster 1 336

Thruster 2 272

Thruster 3 304

Thruster 4 368

Thruster Pairs

Thruster 1 & 2 608

Thruster 3 & 4 672