



14092 - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Cycle: 23, Proposal Category: GO
(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 01 | (1) 1994JR1 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:41.0 | yes |
| 02 | (2) 2011HK103 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:42.0 | yes |
| 03 | (3) 2011HF103 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:43.0 | yes |

Proposal 14092 (STScI Edit Number: 6, Created: Friday, July 29, 2016 12:00:58 PM EST) - Overview

| <i>Visit</i> | <i>Targets used in Visit</i> | <i>Configurations used in Visit</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| 04 | (4) 2011JW31 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:44.0 | yes |
| 05 | (4) 2011JW31 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:45.0 | yes |
| 06 | (5) 2012HE85 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:46.0 | yes |
| 07 | (5) 2012HE85 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:47.0 | yes |
| 08 | (6) 2014OS393 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:47.0 | yes |
| 09 | (6) 2014OS393 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:48.0 | yes |
| 10 | (6) 2014OS393 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:49.0 | yes |
| 11 | (6) 2014OS393 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:50.0 | yes |
| 12 | (7) 2014PN70 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:51.0 | yes |
| 13 | (7) 2014PN70 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:52.0 | yes |
| 14 | (7) 2014PN70 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:53.0 | yes |
| 15 | (7) 2014PN70 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:53.0 | yes |
| 16 | (8) 2014MU69 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:55.0 | yes |
| 17 | (8) 2014MU69 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:55.0 | yes |
| 18 | (8) 2014MU69 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:56.0 | yes |
| 19 | (8) 2014MU69 | WFC3/UVIS | 1 | 29-Jul-2016 13:00:57.0 | yes |

19 Total Orbits Used

ABSTRACT

The dynamically quiescent, Cold Classical, part of the Kuiper Belt is distinctive in the color and binary properties of the objects within it. As such it is thought to host some of the most primordial objects in the solar system. Observations of the smallest objects in this population provide an opportunity to probe the small end of the size distribution with respect to how much collisional processing has played a roll in their evolution. Fortuitously the New Horizons (NH) spacecraft will fly through this part of the Kuiper Belt after its encounter with the Pluto system providing the opportunity for observing as many as 10 objects from long range. Unfortunately, the NH observations will be panchromatic. We propose to obtain colors and to search for binary companions to 8 of these objects and the NH encounter Kuiper Belt object (KBO; 2 were observed with HST in previous cycles), so that we can link the single filter, and higher resolution, spacecraft data from the distant targets to the color and binary data

available in the literature. This is key for a full interpretation of both datasets and, with reasonable extrapolations, in application to the larger KBO population. The observations are timely because identification of a binary system before observation by the NH spacecraft can influence the observations to be carried out at each target and help to prioritize the targets should it not be possible due to timing or fuel constraints to observe all of them.

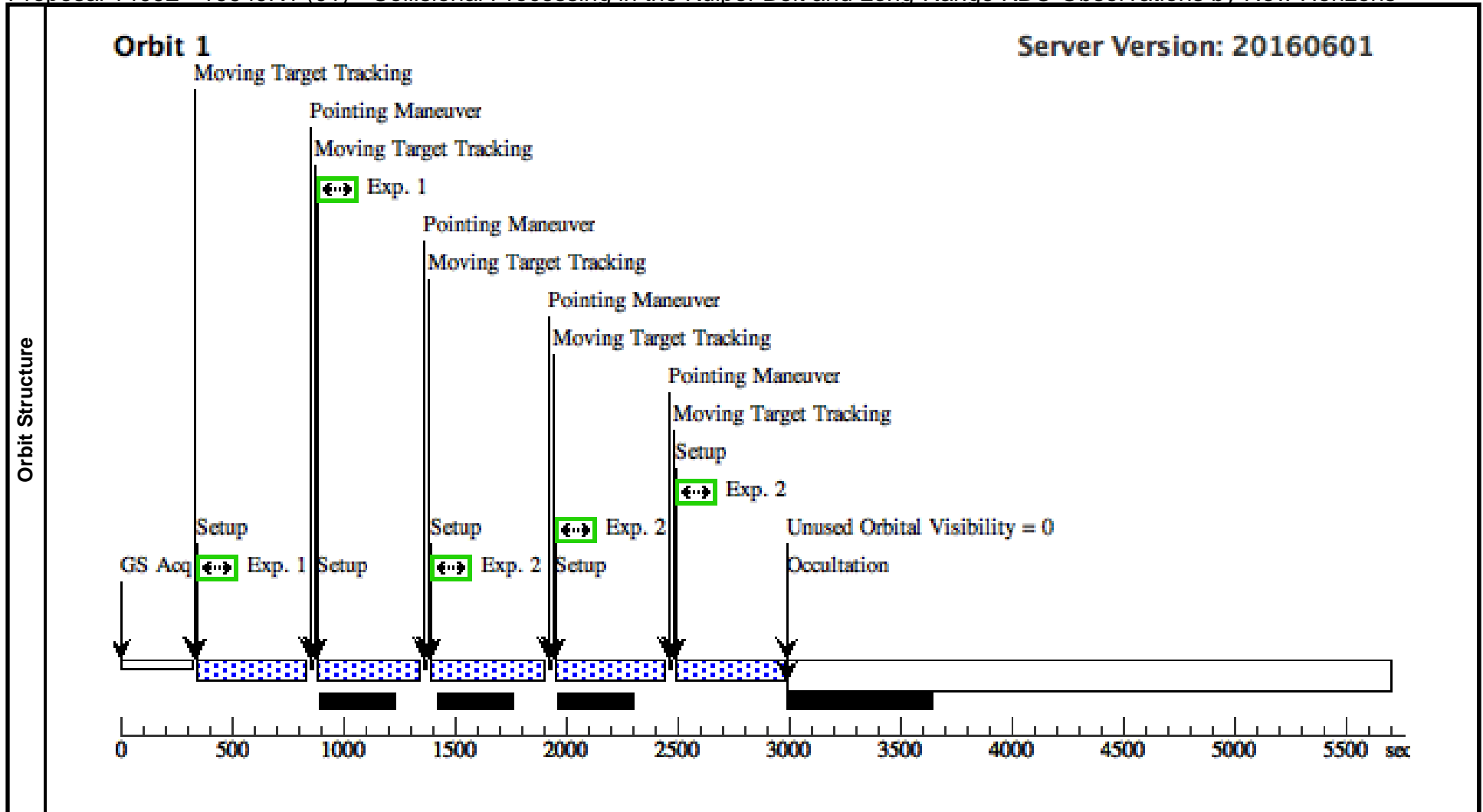
OBSERVING DESCRIPTION

We obtain a series of 2x348 second exposures in the F606W filter and 3x373 second exposures in the F814W filter using a linear dither pattern to obtain a color measurement (~ 0.1 magnitude uncertainty depending on the magnitude of the source) on the New Horizons Long Range Observation Targets. Some targets require more than one orbit and the orbits must be scheduled consecutively. Because our objects are faint, we select observation times that range from about a month before and after opposition when the targets are brightest. This project imposes no orientation constraints and uses ordinary blind target acquisition. We tracking the object under FGS control, target motion rates are very slow, at most a few arcsec per hour.

Proposal 14092 - 1994JR1 (01) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:58 GMT 2016

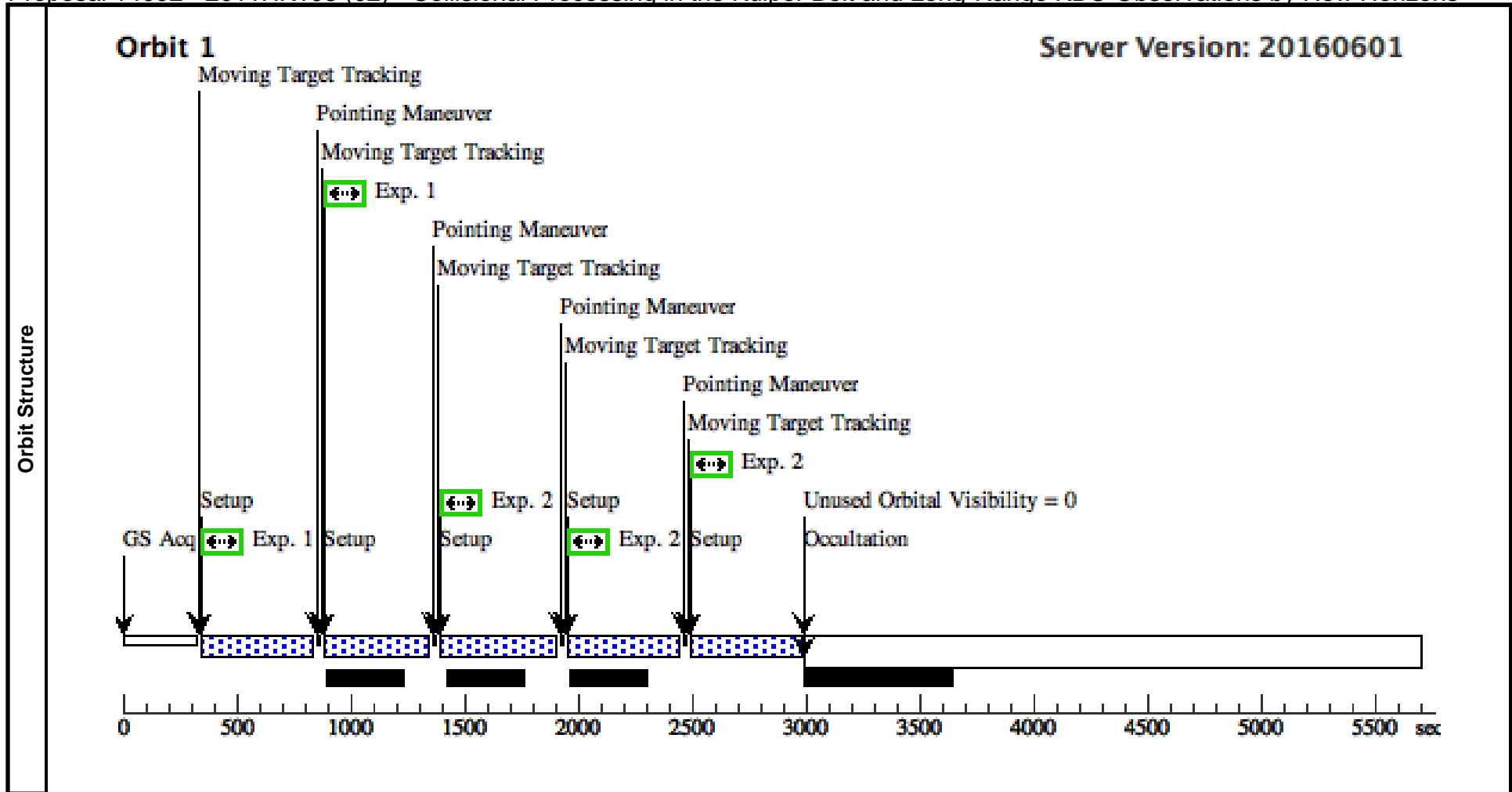
| | | | | | | | | | | | |
|-----------------------------|--|--|--|-----------------------------|----------------------|--------------------------|---|---|---|-----|--------------|
| Visit | Proposal 14092, 1994JR1 (01), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-OCT-2015:00:00:00 AND 17-MAR-2016:00:00:00; BETWEEN 24-MAY-2016:00:00:00 AND 30-AUG-2016:00:00:00 Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation. | | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | | |
| (1) | | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (1) | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (2) | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | | |
| | (1) | 1994JR1 | TYPE=ASTEROID,A=39.3463750654 3588,E=0.1179099354485335,I=3.808 322644810466,O=144.6796030145424 ,W=101.1702908869928,M=29.52261 516702989,EQUINOX=J2000,EPOCH =02-NOV- 2015:00:00:00,EpochTimeScale=UTC | | | | | EARTH | | | |
| Comments: Extended=NO | | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) 1994JR1 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 1994JR1 (01) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | | [1] |
| 2 | | (1) 1994JR1 | WFC3/UVIS, ACCUM, UVIS2 | F814W | FLASH=4 | | Pattern 2, Exps 2-2 i n 1994JR1 (01) (2) | 369 Secs (1107 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | | [1] | |



Proposal 14092 - 2011HK103 (02) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:58 GMT 2016

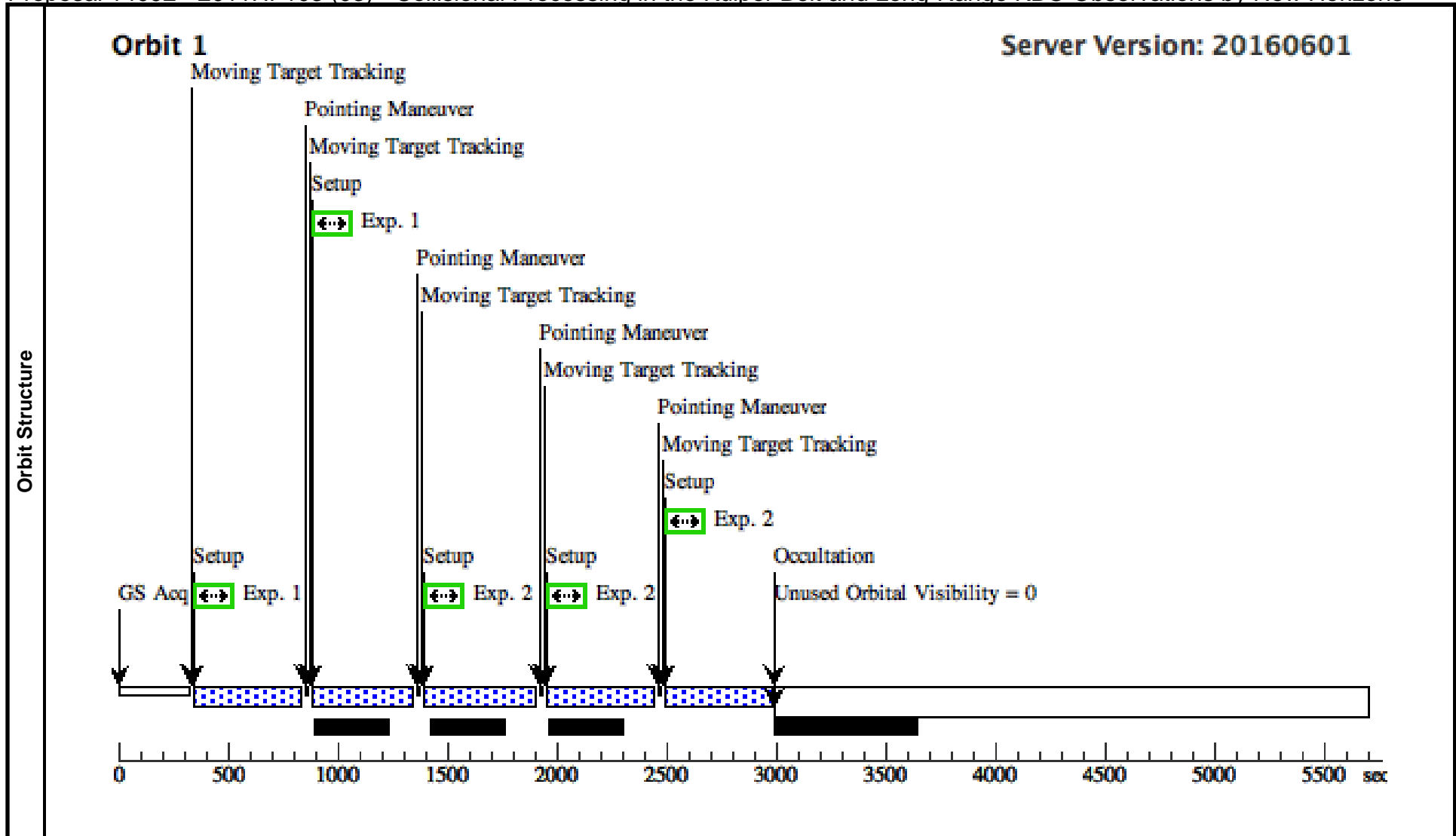
| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|----------------------|---|--|--------------|
| Visit | Proposal 14092, 2011HK103 (02), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2011HK103 (02))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (2) | 2011HK103 | TYPE=ASTEROID,A=53.1958963762 87,E=0.308870633247,I=6.425128293 823,O=121.078432747618,W=228.794 012668917,M=322.598019183288,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (2) 2011HK103 | 2011HK103 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2011HK103 (02) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (2) 2011HK103 | 2011HK103 | 2011HK103 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2011HK103 (02) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |



Proposal 14092 - 2011HF103 (03) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

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| | | | | | | | | | | |
|------------------------------|---|--|--|-----------------------------|----------------------|---------------------|---|--|---|--------------|
| Visit | Proposal 14092, 2011HF103 (03), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2011HF103 (03))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (3) | 2011HF103 | TYPE=ASTEROID,A=43.0896743188 61,E=0.058102497414,I=3.060542875 471,O=152.271791315973,W=37.5559 44565202,M=86.137780955616,EQUI NOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC | | | | EARTH | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (3) 2011HF103 | | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2011HF103 (03) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (3) 2011HF103 | | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2011HF103 (03) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] | |



Proposal 14092 - 2011JW31 (04) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

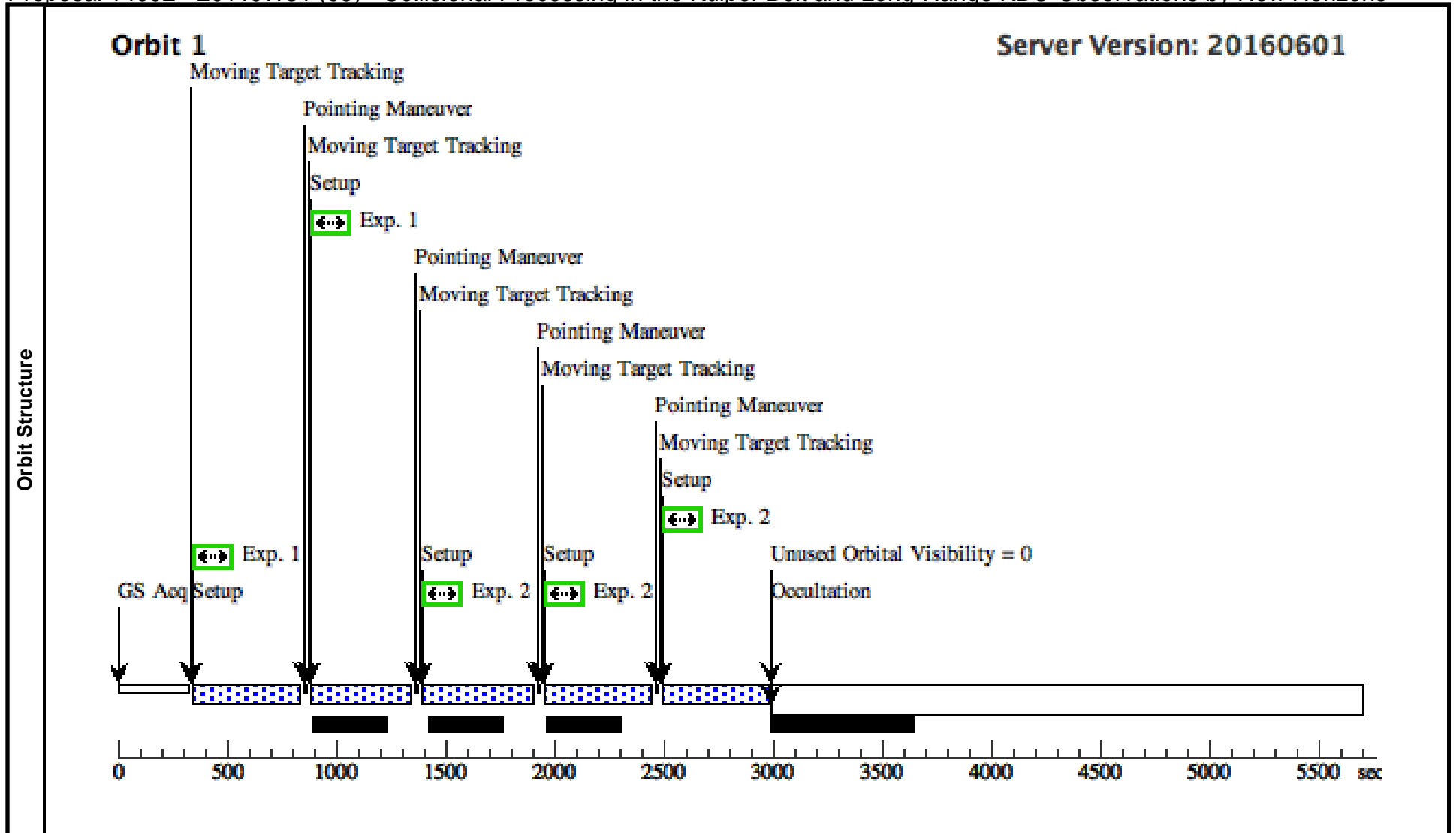
Fri Jul 29 17:00:58 GMT 2016

| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2011JW31 (04), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2011JW31 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (4) | 2011JW31 | TYPE=ASTEROID,A=45.6119178896 23,E=0.094301671093,I=1.869866091 921,O=208.875106462560,W=125.238 464881540,M=317.110339118013,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (4) 2011JW31 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2011JW31 (04) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (4) 2011JW31 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2011JW31 (04) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |

Proposal 14092 - 2011JW31 (05) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

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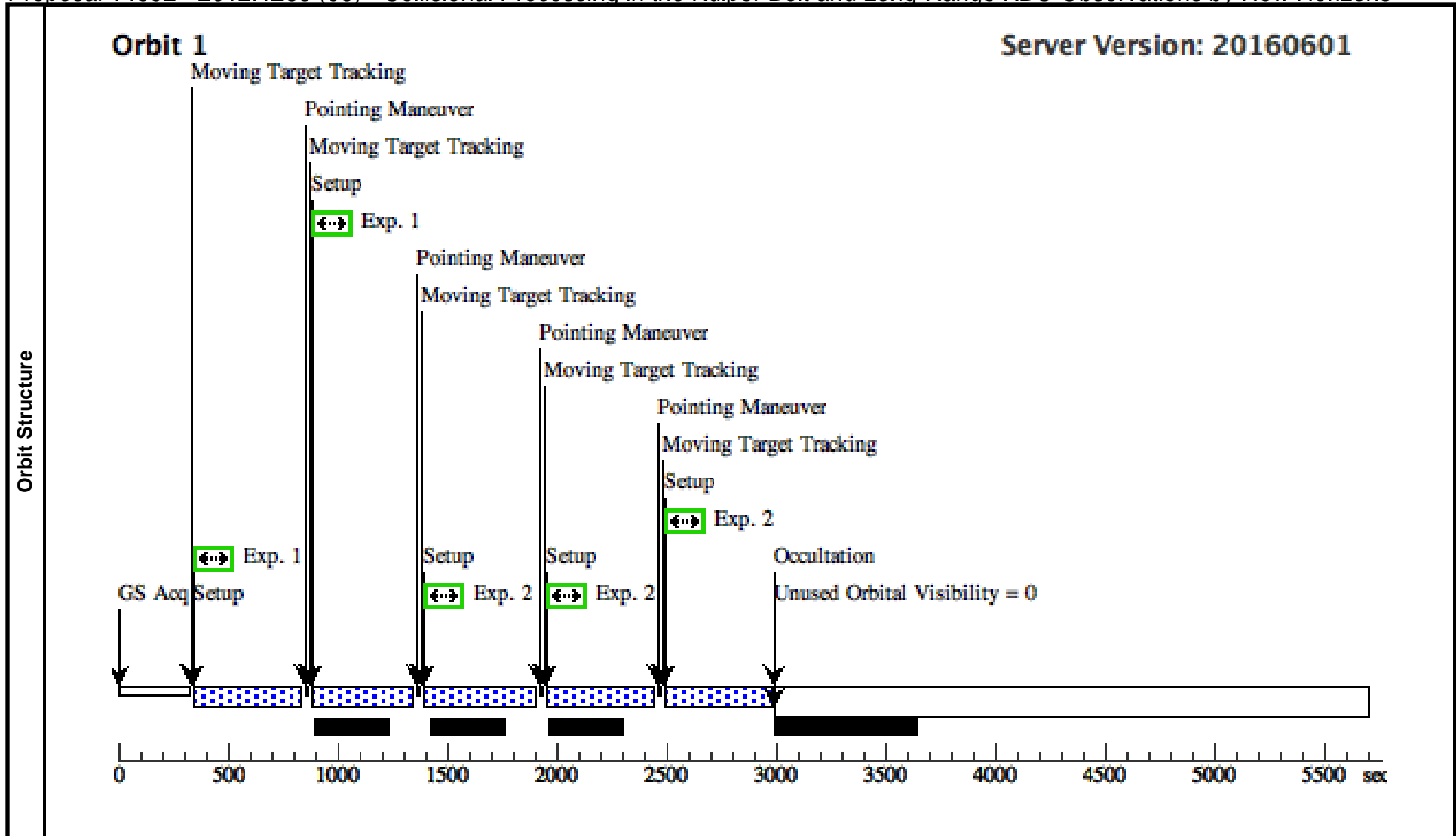
| | | | | | | | | | | |
|------------------------------|---|--|--|-----------------------------|----------------------|--------------------------|--|---|---|------------------|
| Visit | Proposal 14092, 2011JW31 (05), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; AFTER 04 BY 0.9 Orbits TO 1.1 Orbits; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2011JW31 (05))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (1) | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (2) | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (4) | 2011JW31 | TYPE=ASTEROID,A=45.6119178896 23,E=0.094301671093,I=1.869866091 921,O=208.875106462560,W=125.238 464881540,M=317.110339118013,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC | | | | EARTH | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (4) 2011JW31 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 in 2011JW31 (05) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (4) 2011JW31 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 in 2011JW31 (05) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2012HE85 (06) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

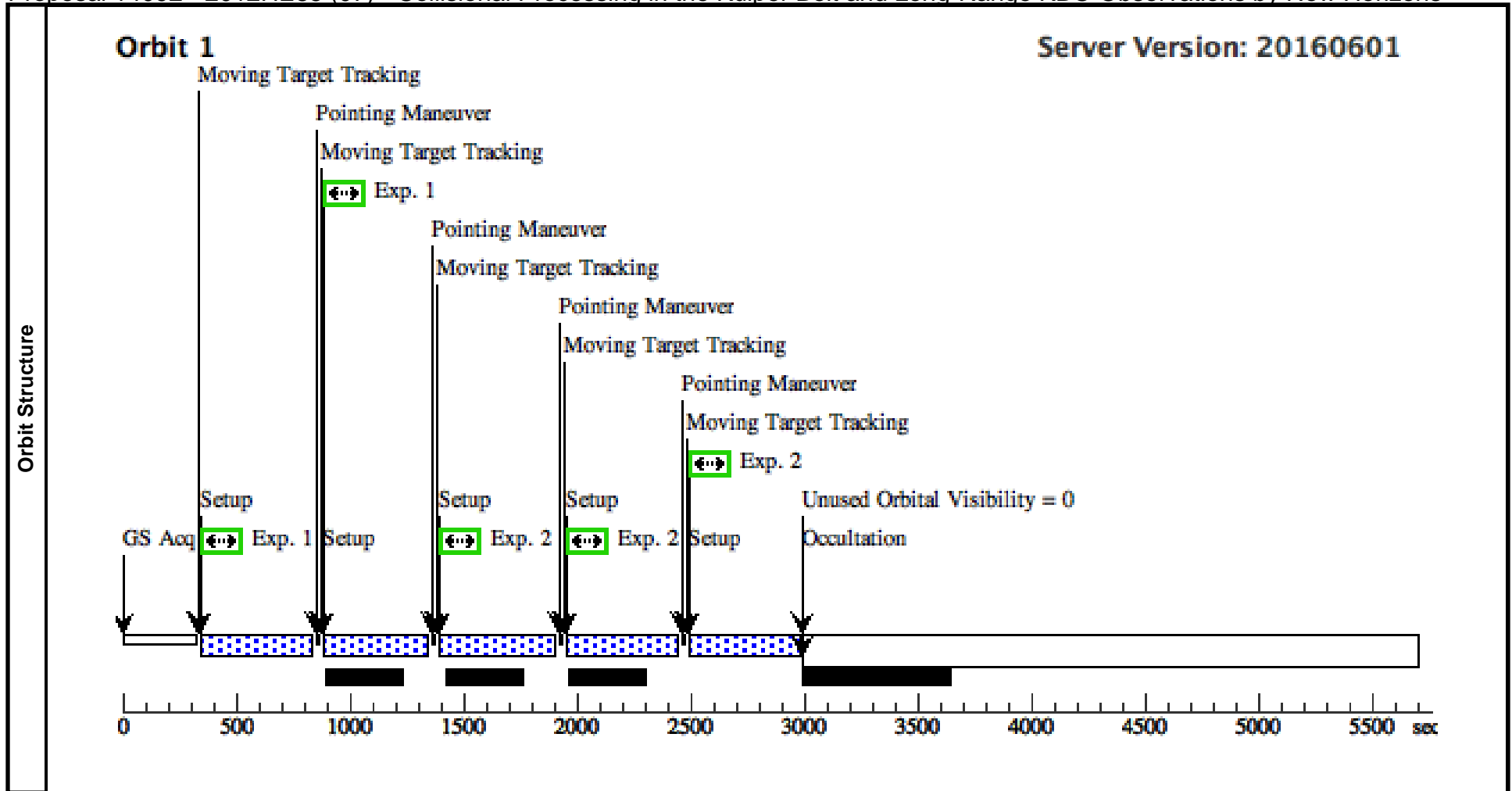
| | | | | | | | | | | |
|-----------------------------|---|--|---|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2012HE85 (06), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2012HE85 (06))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (5) | 2012HE85 | TYPE=ASTEROID,A=44.6003609445 89,E=0.100970706316,I=3.022169647 988,O=235.118448855010,W=55.8485 30307532,M=354.141295102057,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (5) 2012HE85 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2012HE85 (06) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (5) 2012HE85 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2012HE85 (06) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2012HE85 (07) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

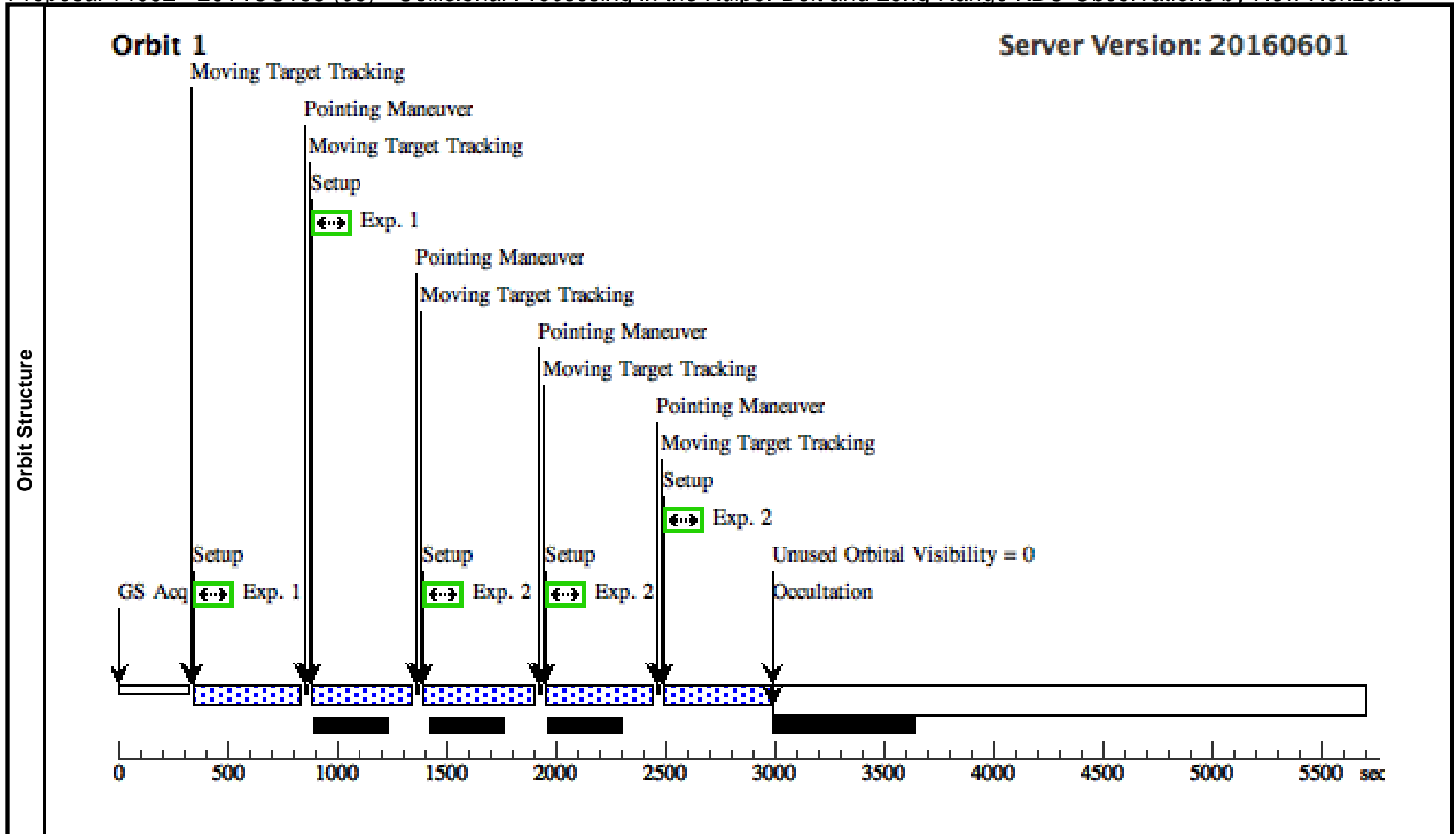
| | | | | | | | | | | |
|------------------------------|---|--|---|-----------------------------|----------------------|--------------------------|--|---|---|------------------|
| Visit | Proposal 14092, 2012HE85 (07), implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; AFTER 06 BY 0.9 Orbits TO 1.1 Orbits; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2012HE85 (07))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (1) | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | | | (2) | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (5) | 2012HE85 | TYPE=ASTEROID,A=44.6003609445 89,E=0.100970706316,I=3.022169647 988,O=235.118448855010,W=55.8485 30307532,M=354.141295102057,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC | | | | | EARTH | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (5) 2012HE85 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 in 2012HE85 (07) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (5) 2012HE85 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 in 2012HE85 (07) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014OS193 (08) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

| | | | | | | | | | | |
|-----------------------------|--|--|---|-----------------------------|----------------------|---------------------|---|--|---|--------------|
| Visit | Proposal 14092, 2014OS193 (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00; SEQ 08,09,10,11 WITHIN 3.2 Orbits <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014OS193 (08))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (6) | 2014OS393 | TYPE=ASTEROID,A=44.1214598249 60,E=0.022296145638,I=3.810565371 546,O=138.261375162121,W=110.270 461022888,M=33.049399839602,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2014OS193 (08) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2014OS193 (08) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] | |



Proposal 14092 - 2014OS193 (09) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

| | | | | | | | | | | |
|-----------------------------|---|--|---|-----------------------------|----------------------|---------------------|---|--|---|--------------|
| Visit | Proposal 14092, 2014OS193 (09), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014OS193 (09))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (6) | 2014OS393 | TYPE=ASTEROID,A=44.1214598249 60,E=0.022296145638,I=3.810565371 546,O=138.261375162121,W=110.270 461022888,M=33.049399839602,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2014OS193 (09) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2014OS193 (09) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] | |

Proposal 14092 - 2014OS193 (10) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

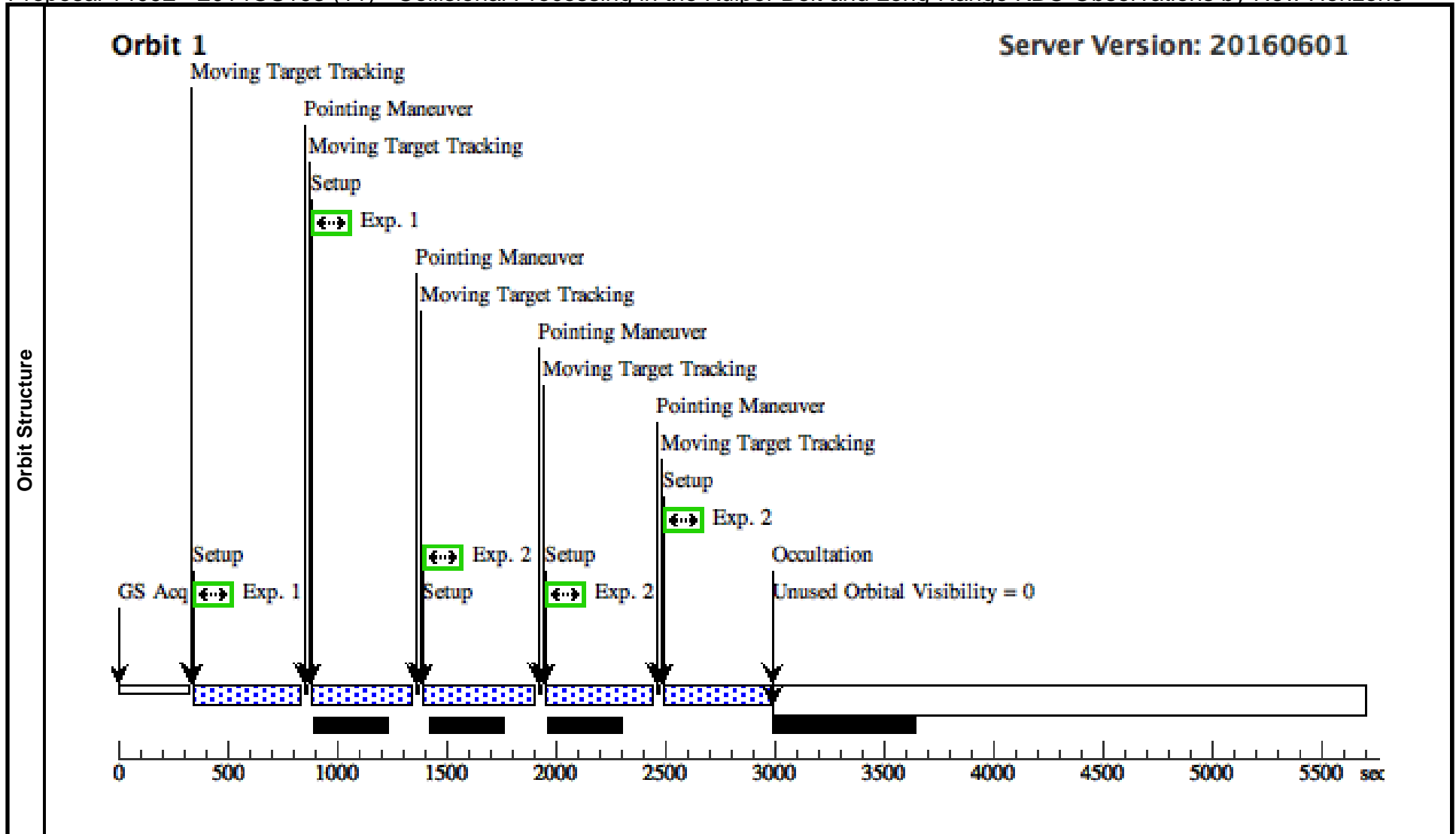
Fri Jul 29 17:00:59 GMT 2016

| | | | | | | | | | | |
|-----------------------------|---|--|---|-----------------------------|----------------------|---------------------|--|--|---|--------------|
| Visit | Proposal 14092, 2014OS193 (10), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014OS193 (10))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (6) | 2014OS393 | TYPE=ASTEROID,A=44.1214598249 60,E=0.022296145638,I=3.810565371 546,O=138.261375162121,W=110.270 461022888,M=33.049399839602,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 in 2014OS193 (10) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 in 2014OS193 (10) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] | |

Proposal 14092 - 2014OS193 (11) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

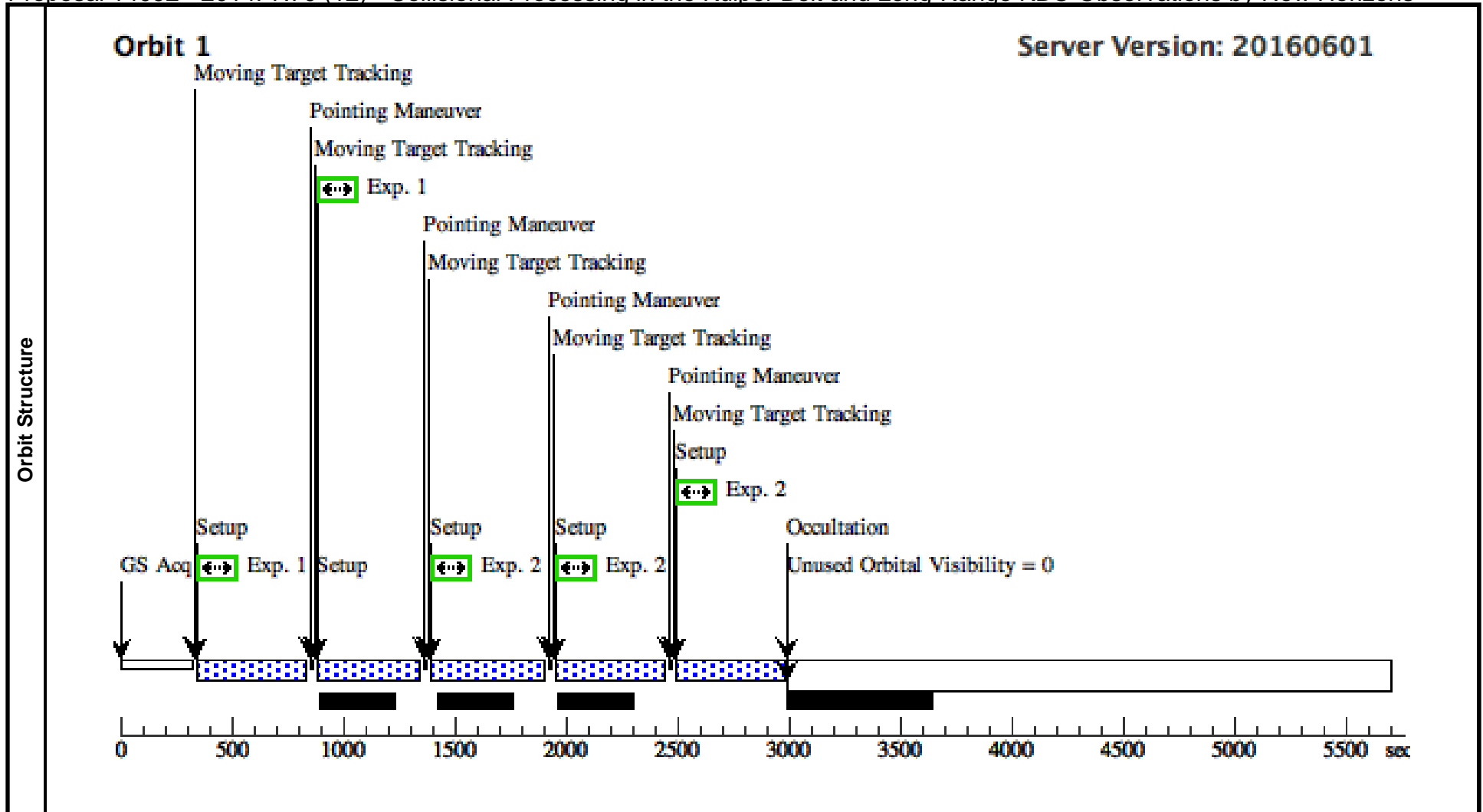
| | | | | | | | | | | |
|-----------------------------|---|--|---|-----------------------------|----------------------|---------------------|--|--|---|--------------|
| Visit | Proposal 14092, 2014OS193 (11), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-JUL-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014OS193 (11))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (6) | 2014OS393 | TYPE=ASTEROID,A=44.1214598249 60,E=0.022296145638,I=3.810565371 546,O=138.261375162121,W=110.270 461022888,M=33.049399839602,EQU INOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 in 2014OS193 (11) (1) | 348 Secs (696 Secs) [==>(Pattern 1)] [==>(Pattern 2)] | [1] |
| 2 | (6) 2014OS393 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 in 2014OS193 (11) (2) | 373 Secs (1119 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] | |



Proposal 14092 - 2014PN70 (12) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

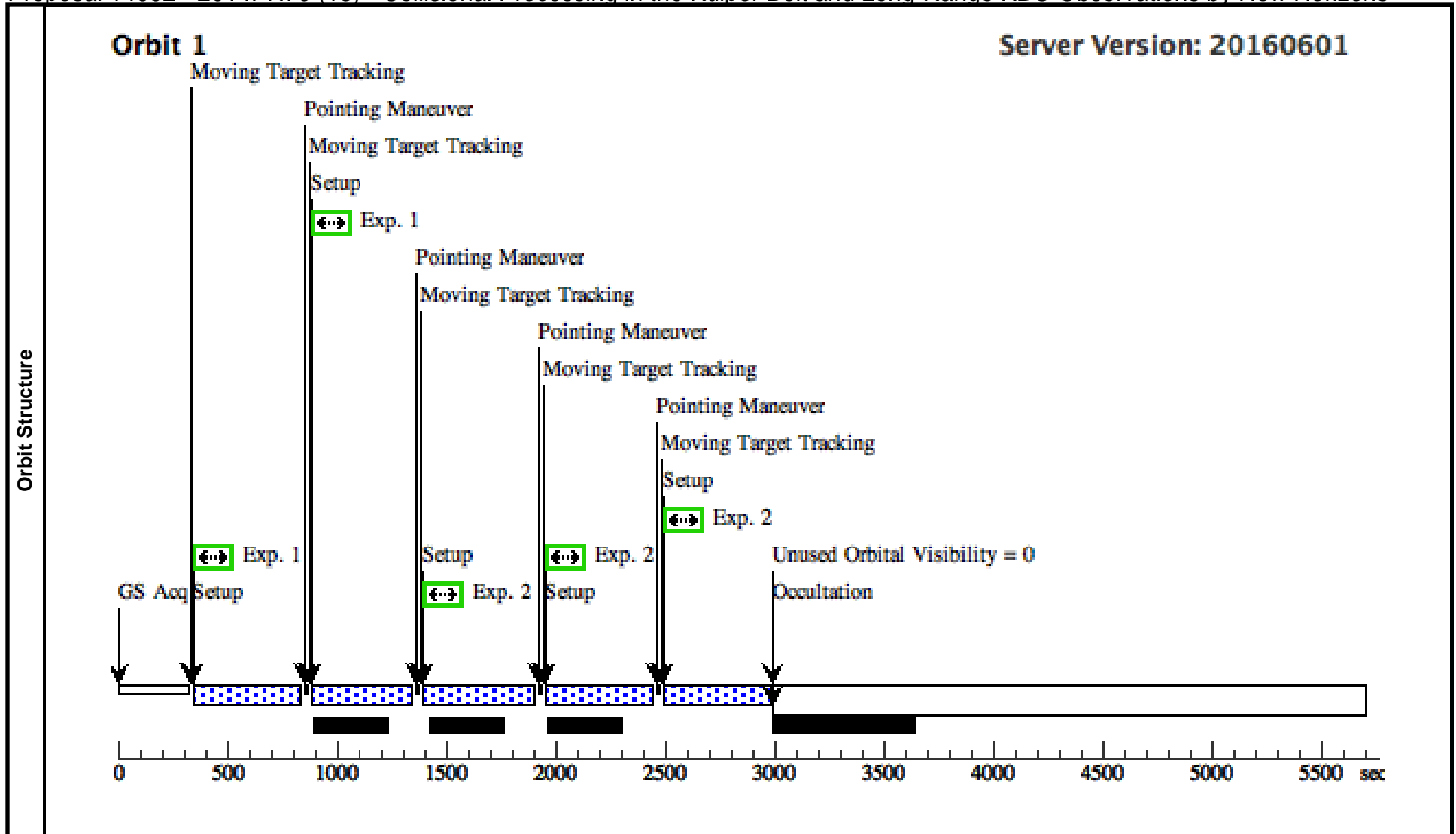
| | | | | | | | | | | |
|-----------------------------|--|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014PN70 (12), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00; SEQ 12,13,14,15 WITHIN 3.2 Orbits <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014PN70 (12))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (7) | 2014PN70 | TYPE=ASTEROID,A=44.2490763688 40,E=0.056642239324,I=4.119399631 630,O=136.277802239311,W=234.774 427336701,M=278.178573988228,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (7) 2014PN70 | | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2014PN70 (12) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (7) 2014PN70 | | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2014PN70 (12) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014PN70 (13) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

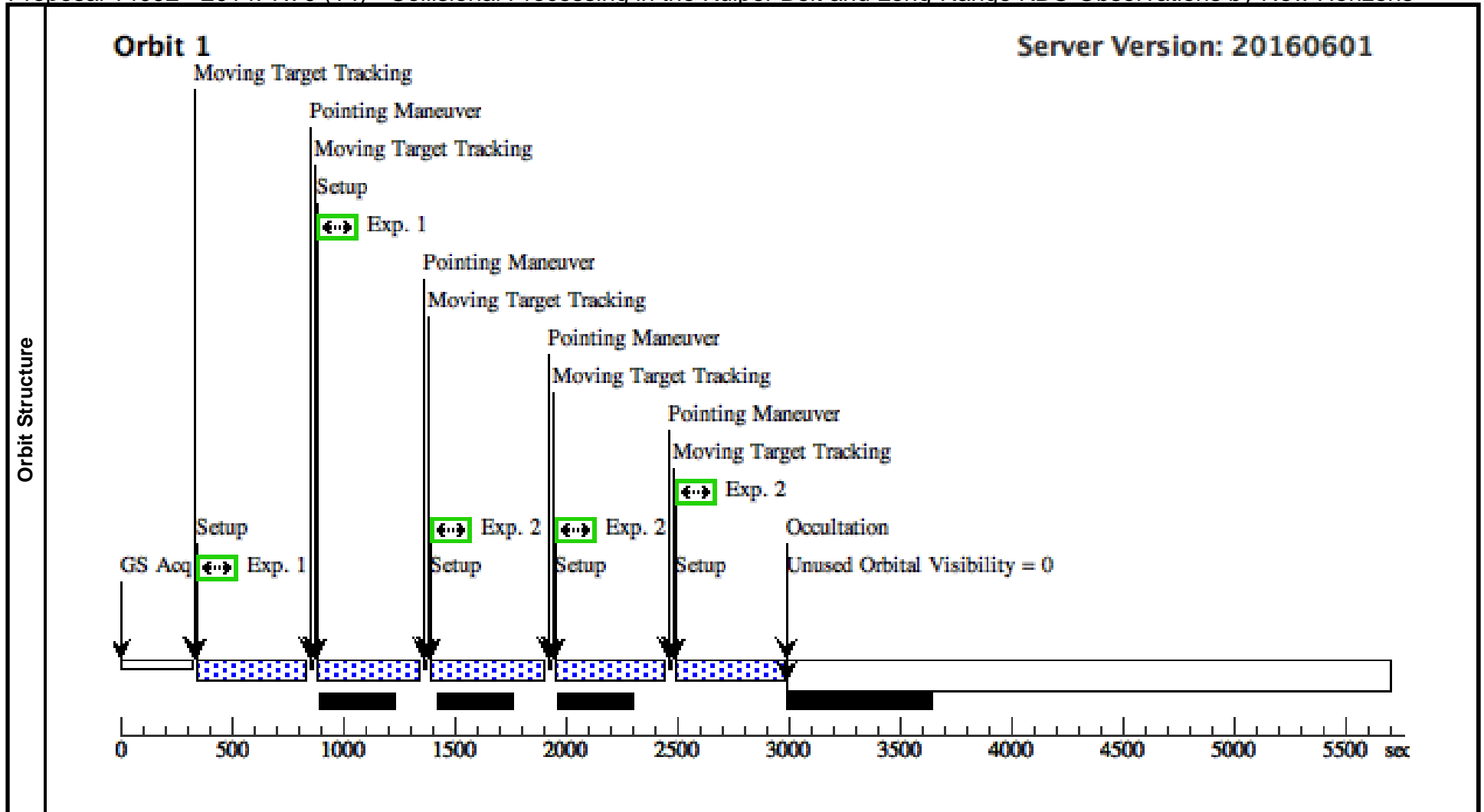
| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014PN70 (13), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014PN70 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (7) | 2014PN70 | TYPE=ASTEROID,A=44.2490763688 40,E=0.056642239324,I=4.119399631 630,O=136.277802239311,W=234.774 427336701,M=278.178573988228,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2014PN70 (13) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2014PN70 (13) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014PN70 (14) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

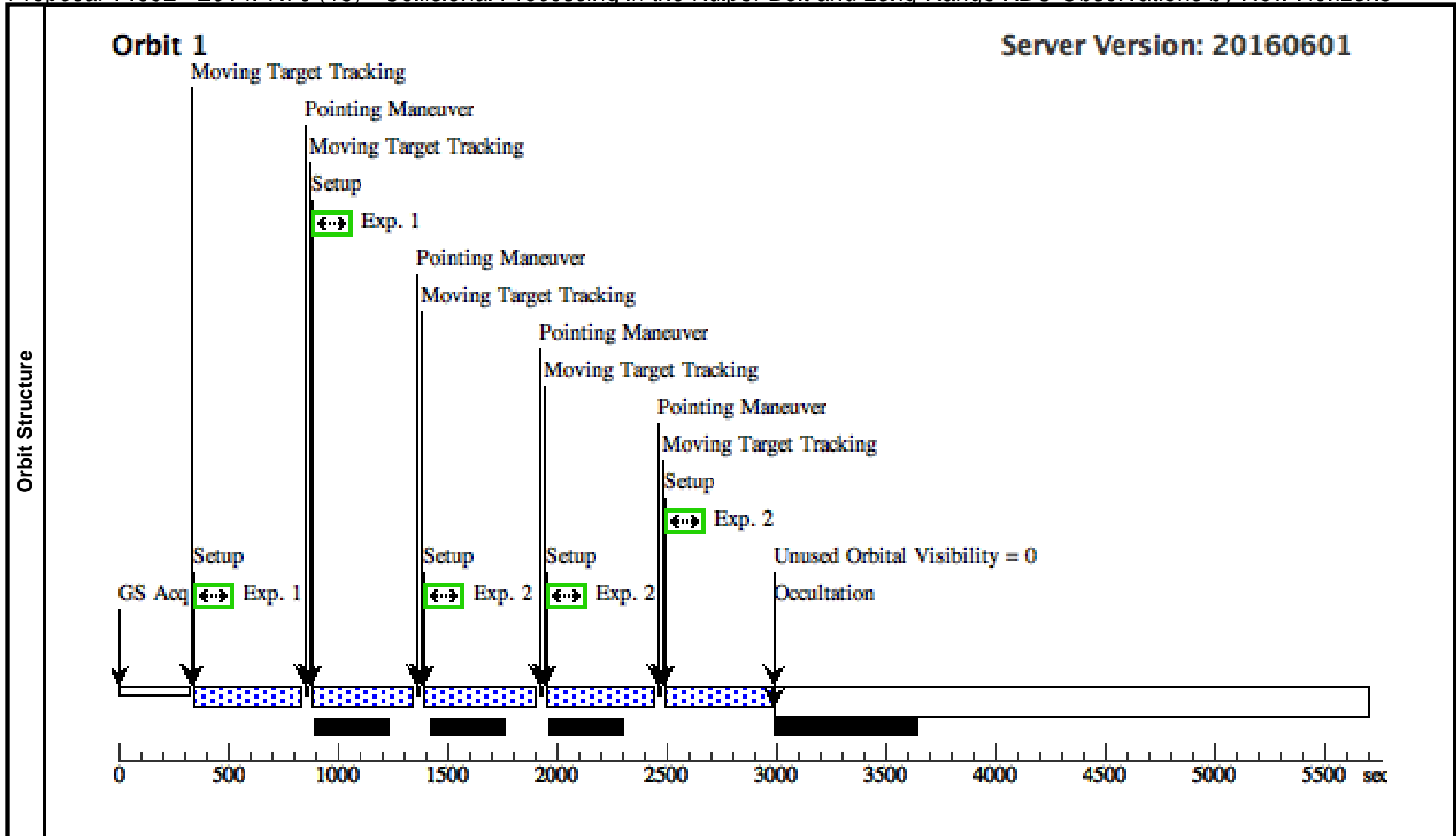
| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014PN70 (14), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014PN70 (14))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (7) | 2014PN70 | TYPE=ASTEROID,A=44.2490763688 40,E=0.056642239324,I=4.119399631 630,O=136.277802239311,W=234.774 427336701,M=278.178573988228,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (7) 2014PN70 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2014PN70 (14) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (7) 2014PN70 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2014PN70 (14) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014PN70 (15) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014PN70 (15), scheduling Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnostics (Exposure 2 (Pattern 2, Exps 2-2 in 2014PN70 (15))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (7) | 2014PN70 | TYPE=ASTEROID,A=44.2490763688 40,E=0.056642239324,I=4.119399631 630,O=136.277802239311,W=234.774 427336701,M=278.178573988228,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2014PN70 (15) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (7) 2014PN70 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2014PN70 (15) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014MU69 (16) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

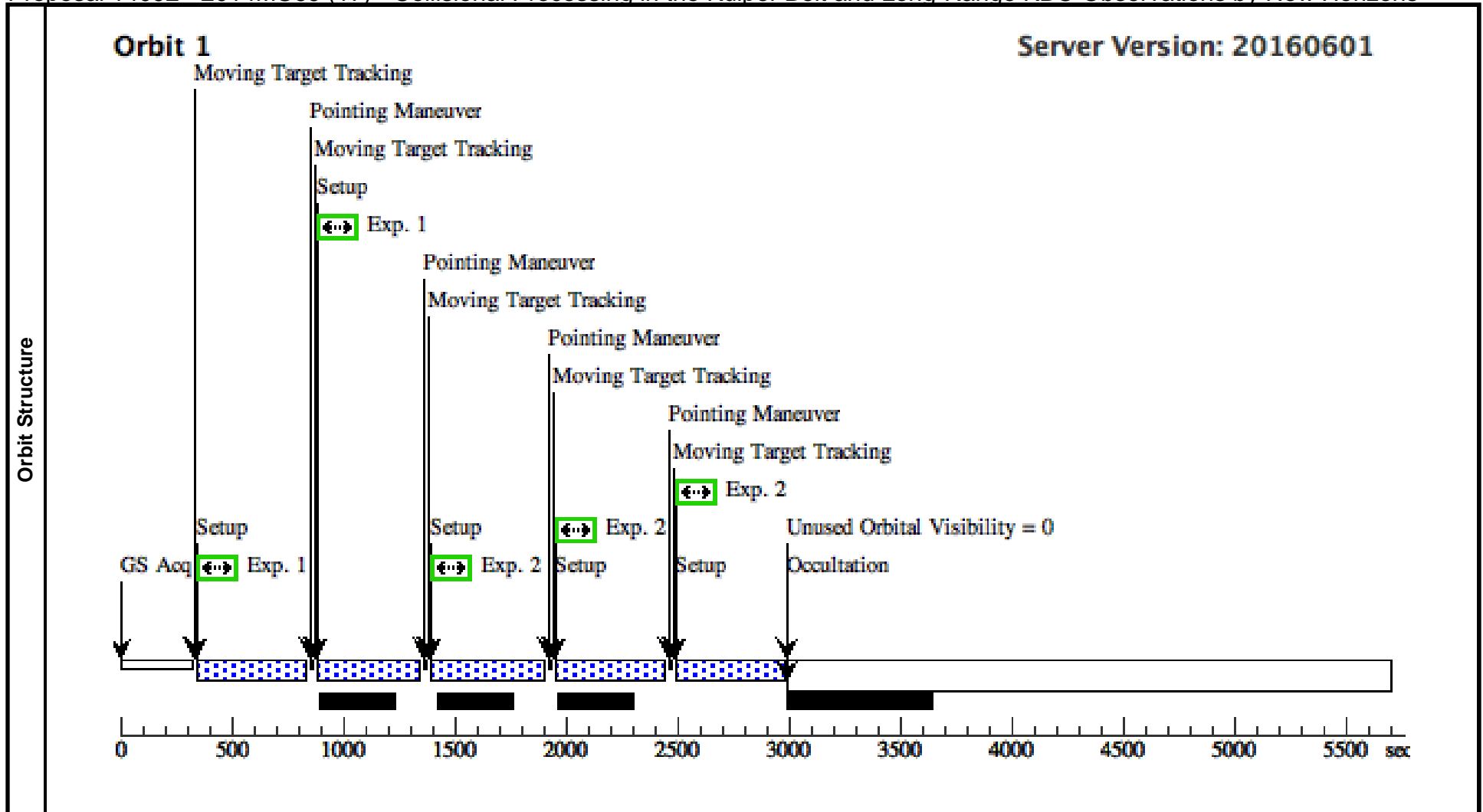
Fri Jul 29 17:00:59 GMT 2016

| | | | | | | | | | | |
|-----------------------------|---|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014MU69 (16), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00; SEQ 16,17,18,19 WITHIN 3.2 Orbits <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014MU69 (16))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (8) | 2014MU69 | TYPE=ASTEROID,A=44.2656957096 75,E=0.035930805609,I=2.453210713 133,O=158.933762489370,W=180.524 460232607,M=306.870630855507,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (8) 2014MU69 | | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2014MU69 (16) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (8) 2014MU69 | | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2014MU69 (16) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |

Proposal 14092 - 2014MU69 (17) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:00:59 GMT 2016

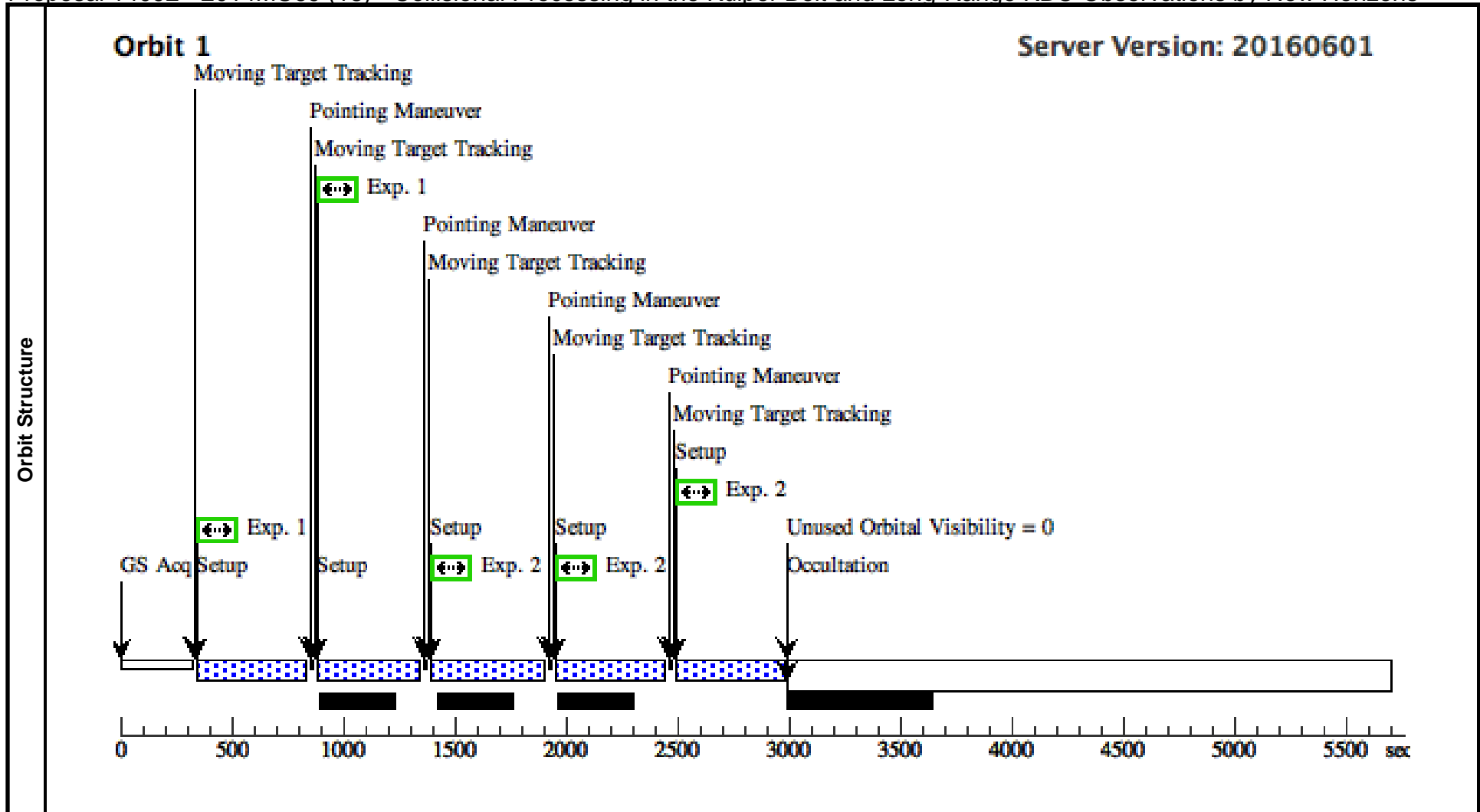
| | | | | | | | | | | |
|-----------------------------|--|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014MU69 (17), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014MU69 (17))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (8) | 2014MU69 | TYPE=ASTEROID,A=44.2656957096 75,E=0.035930805609,I=2.453210713 133,O=158.933762489370,W=180.524 460232607,M=306.870630855507,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (8) 2014MU69 | (8) 2014MU69 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 i n 2014MU69 (17) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (8) 2014MU69 | (8) 2014MU69 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 i n 2014MU69 (17) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014MU69 (18) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:01:00 GMT 2016

| | | | | | | | | | | |
|------------------------------|--|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014MU69 (18), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014MU69 (18))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (8) | 2014MU69 | TYPE=ASTEROID,A=44.2656957096 75,E=0.035930805609,I=2.453210713 133,O=158.933762489370,W=180.524 460232607,M=306.870630855507,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC | | | | EARTH | | | |
| <i>Comments: Extended=NO</i> | | | | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (8) 2014MU69 | | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | Pattern 1, Exps 1-1 in 2014MU69 (18) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (8) 2014MU69 | | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | Pattern 2, Exps 2-2 in 2014MU69 (18) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |



Proposal 14092 - 2014MU69 (19) - Collisional Processing in the Kuiper Belt and Long-Range KBO Observations by New Horizons

Fri Jul 29 17:01:00 GMT 2016

| | | | | | | | | | | |
|-----------------------------|--|--|--|-----------------------------|----------------------|---------------------|--|---|---|--------------|
| Visit | Proposal 14092, 2014MU69 (19), scheduled Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; BETWEEN 24-MAY-2016:00:00:00 AND 16-AUG-2016:00:00:00 <i>Comments: We need to check the background field once scheduling windows for HST are chosen to ensure that there are no background stars which would compromise the observation.</i> | | | | | | | | | |
| | Diagnosics (Exposure 2 (Pattern 2, Exps 2-2 in 2014MU69 (19))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=LINE Purpose=OTHER Number Of Points=2 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (1) | | | | |
| (2) | Pattern Type=LINE Purpose=OTHER Number Of Points=3 Point Spacing=0.75 Line Spacing= | Coordinate Frame=CELESTIAL Pattern Orientation=0 Angle Between Sides= Center Pattern=true | | | (2) | | | | | |
| Solar System Targets | # | Name | Level 1 | Level 2 | Level 3 | Window | Ephem Center | | | |
| | (8) | 2014MU69 | TYPE=ASTEROID,A=44.2656957096 75,E=0.035930805609,I=2.453210713 133,O=158.933762489370,W=180.524 460232607,M=306.870630855507,EQ UINOX=J2000,EPOCH=01-JUL- 2016:00:00:00,EpochTimeScale=UTC <i>Comments: Extended=NO</i> | | | | EARTH | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (8) 2014MU69 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | | | Pattern 1, Exps 1-1 i n 2014MU69 (19) (1) | 348 Secs (696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] | [1] |
| 2 | (8) 2014MU69 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | | | Pattern 2, Exps 2-2 i n 2014MU69 (19) (2) | 373 Secs (1119 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] | |

