



13830 - r-process kilonova emission accompanying short-duration GRBs

Cycle: 22, 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| G1 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:11:43.0 | yes |
| G2 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:11:45.0 | yes |
| G3 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:11:47.0 | yes |
| G4 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:11:49.0 | yes |
| I1 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:11:51.0 | yes |

Proposal 13830 (STScI Edit Number: 0, Created: Friday, September 11, 2015 8:12:54 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| I2 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:11:53.0 | yes |
| I3 | (3) GRB150424A | WFC3/IR | 2 | 11-Sep-2015 21:11:54.0 | yes |
| I4 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:11:56.0 | yes |
| I5 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:11:58.0 | yes |
| I6 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:11:59.0 | yes |
| I7 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:01.0 | yes |
| I8 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:02.0 | yes |
| I9 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:03.0 | yes |
| IA | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:04.0 | yes |
| IB | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:05.0 | yes |
| IC | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:06.0 | yes |
| O1 | (3) GRB150424A | WFC3/UVIS | 1 | 11-Sep-2015 21:12:07.0 | yes |
| O2 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:08.0 | yes |
| O3 | (3) GRB150424A | WFC3/UVIS | 1 | 11-Sep-2015 21:12:09.0 | yes |
| O4 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:10.0 | yes |
| H1 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:11.0 | yes |
| H2 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:12.0 | yes |
| H3 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:14.0 | yes |
| H4 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:15.0 | yes |
| J1 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:17.0 | yes |
| J2 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:20.0 | yes |
| J3 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:22.0 | yes |
| J4 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:23.0 | yes |
| J5 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:24.0 | yes |
| J6 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:26.0 | yes |

Proposal 13830 (STScI Edit Number: 0, Created: Friday, September 11, 2015 8:12:54 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> |
|--------------|------------------------------|-------------------------------------|--------------------|-------------------------------|-------------------------------|
| J7 | (1) SGRB1 | WFC3/IR | 2 | 11-Sep-2015 21:12:27.0 | yes |
| J8 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:28.0 | yes |
| J9 | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:29.0 | yes |
| JA | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:30.0 | yes |
| JB | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:31.0 | yes |
| JC | (1) SGRB1 | WFC3/IR | 1 | 11-Sep-2015 21:12:32.0 | yes |
| P1 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:33.0 | yes |
| P2 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:34.0 | yes |
| P3 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:35.0 | yes |
| P4 | (1) SGRB1 | WFC3/UVIS | 1 | 11-Sep-2015 21:12:36.0 | yes |
| C1 | (1) SGRB1 | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:38.0 | yes |
| D1 | (3) GRB150424A | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:40.0 | yes |
| D2 | (3) GRB150424A | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:43.0 | yes |
| D3 | (3) GRB150424A | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:45.0 | yes |
| D4 | (3) GRB150424A | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:48.0 | yes |
| D5 | (3) GRB150424A | WFC3/IR WFC3/UVIS | 2 | 11-Sep-2015 21:12:50.0 | yes |
| A1 | (2) GRB150101B | WFC3/IR WFC3/UVIS | 1 | 11-Sep-2015 21:12:52.0 | yes |

67 Total Orbits Used

ABSTRACT

Our recent HST observations of the short-duration GRB130603B showed an infrared excess, about ten days after the burst, consistent with expectations from models of an emerging 'kilonova' driven by the radioactive decay of newly-synthesised r-process elements. This directly supports the compact object merger hypothesis for short-duration GRBs, in which ejected neutron star material powers a radioactive transient. The discovery also provides a new, quasi-isotropic, electromagnetic localisation signature of the most promising class of gravitational wave (GW) sources for detection with the next generation of detectors, and suggests that kilonovae of this sort are likely sites of substantial (perhaps dominant) production of r-process elements in the universe. However, the ubiquity and range of behaviour of these events is entirely unknown. We need to establish their properties to inform searches of GW error boxes and quantify their contribution to the heavy element nucleosynthesis budget. Here we propose ToO observations a low-redshift ($z < \sim 0.35$) SGRB localised during cycle 22 to search for and characterise more fully any similar kilonova signal.

OBSERVING DESCRIPTION

The aim of this proposal is to search for and characterise the nature of r-process kilonova in the afterglows of short duration GRBs. To do this we wish to search for IR re-brightenings indicative of heavily absorbed r-process production. Such a search requires that the source reddens and then rebrightens in the IR.

Since these objects remain poorly studied (only a single example with little coverage) we have specified a range of observations. The choice of which observation to trigger will be based on the redshift of the burst (in particular to distinguish observations where grism observations are possible), any knowledge of the burst location within the host galaxy, foreground extinction etc. In general we will trigger two IR and one optical observation for monitoring. We have specified two sets of observations so that observations can be repeated later for subtraction of the light.

Below we list the observations that have been specified. Please note that this is a superset of those we will actually perform, and that our total usage will not exceed 12 orbits.

Note: That in our formal phase I proposal we did ask for the filters below, although not all were included in the dummy observations at the front of phase 1.

Visit G1/H1: 1 orbit G102

Visit G2:/H2 1 orbit G141

Visit G3/H3: 2 orbit G102

Visit G4/H4: 2 orbit G141

Visit I1/J1: 1 orbit, split F105W, F140W

Visit I2/J2: 1 orbit, split F105W, F160W

Visit I3/J3: 2 orbits F105W

Visit I4/J4: 2 orbits F125W

Visit I5/J5: 2 orbits F140W

Visit I6/J6: 2 orbits F160W

Visit I7/J7: 2 orbits F110W

Visit I8/J8: 1 orbit F105W

Visit I9/J9: 1 orbit F125W

Visit IA/J10: 1 orbit F140W

Visit IB/J11: 1 orbit F160W

Visit IC/J12: 1 orbit F110W

Visit O1/P1: 1 orbit F475W

Visit O2/P2: 1 orbit F606W

Visit O3/P3: 1 orbit F814W

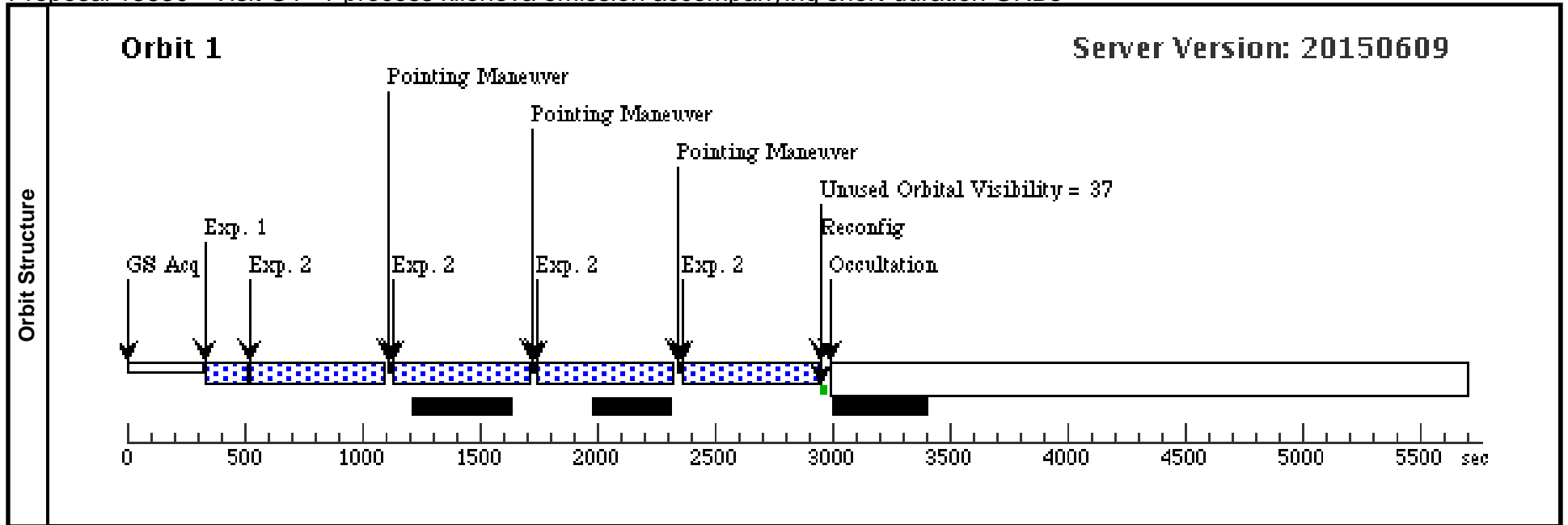
Visit O4/P4: 1 orbit F850LP

Visit C1/D1: 2 orbits: F606W, F105W, F160W

Proposal 13830 - Visit G1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:54 GMT 2015

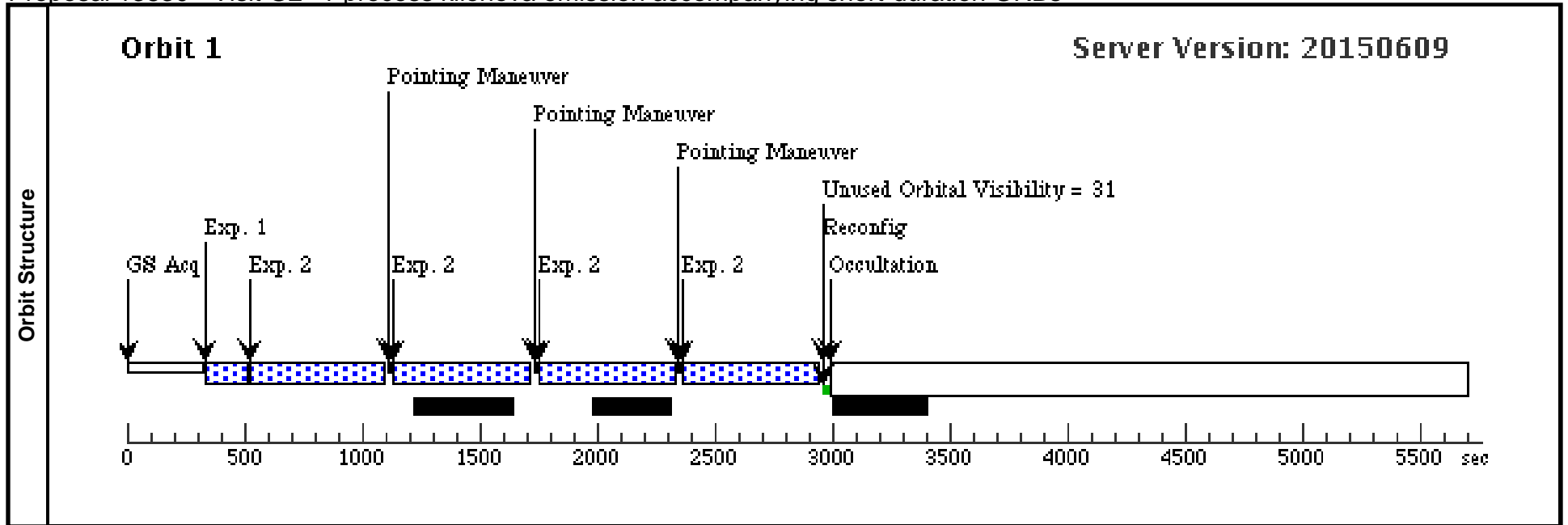
| | | | | | | | | | | |
|------------------------|---|--|---|--------------------------------|----------------------|-----------------------------------|--------------------------|-------------------------------------|---|------------------|
| Visit | Proposal 13830, Visit G1, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures |
| (1) | | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | | (2) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, GRISM1024 | F105W | NSAMP=4; SAMP-SEQ=SPAR S50 | | | 152.933644 Secs (152.934 Secs) [==>] | [1] |
| | 2 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, GRISM1024 | G102 | NSAMP=12; SAMP-SEQ=SPAR S50 | | Pattern 1, Exps 2-2 in Visit G1 (1) | 552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |



Proposal 13830 - Visit G2 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:55 GMT 2015

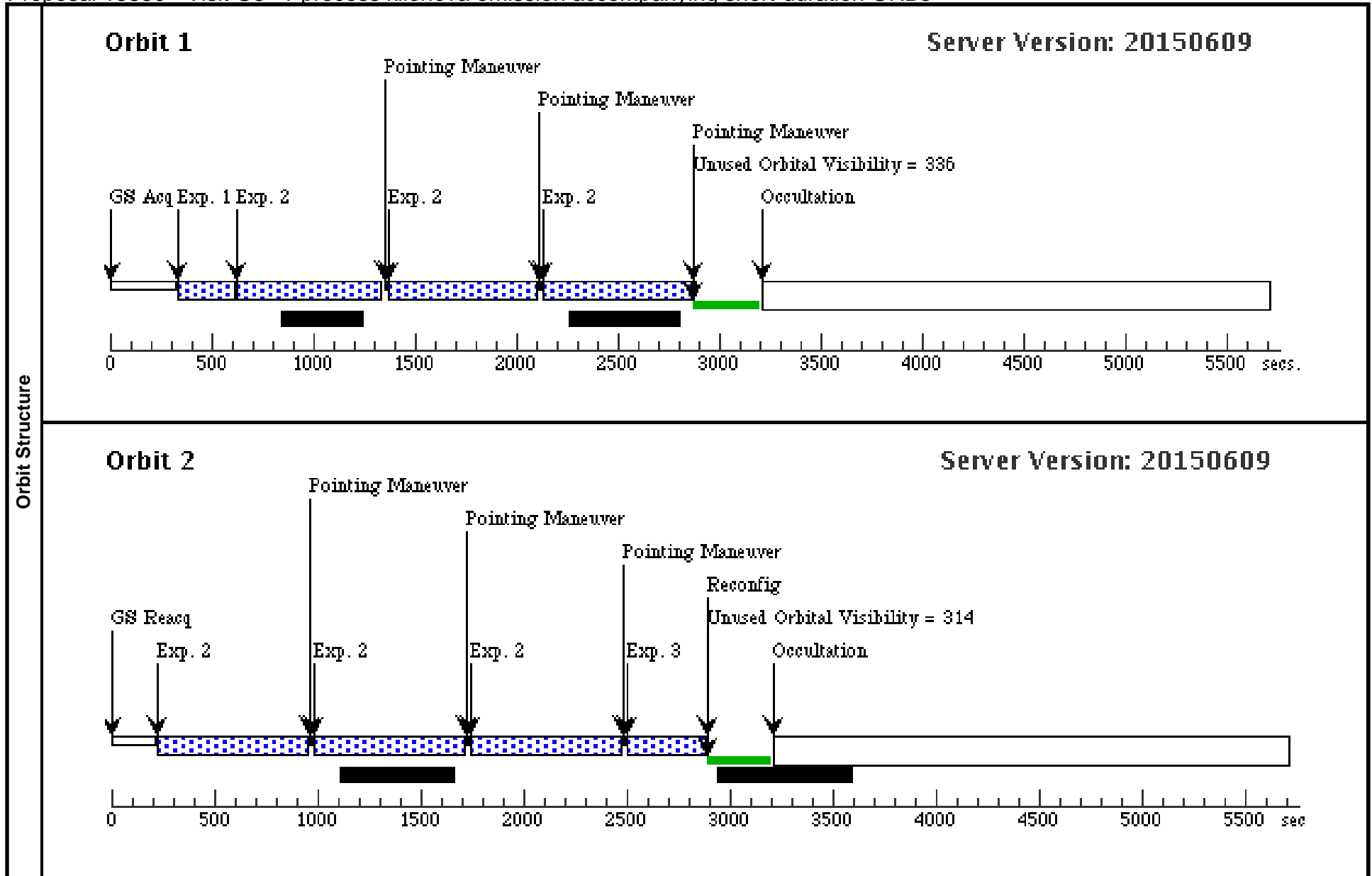
| Visit | Proposal 13830, Visit G2, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-------|--|---|---------------|-----------------------------------|-------------------|-------------------------------------|---|-----------|
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures |
| | | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | | (2) |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=4; SAMP-SEQ=SPAR S50 | | | 152.933644 Secs (152.934 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G141 | NSAMP=12; SAMP-SEQ=SPAR S50 | | Pattern 1, Exps 2-2 in Visit G2 (1) | 552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |



Proposal 13830 - Visit G3 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:55 GMT 2015

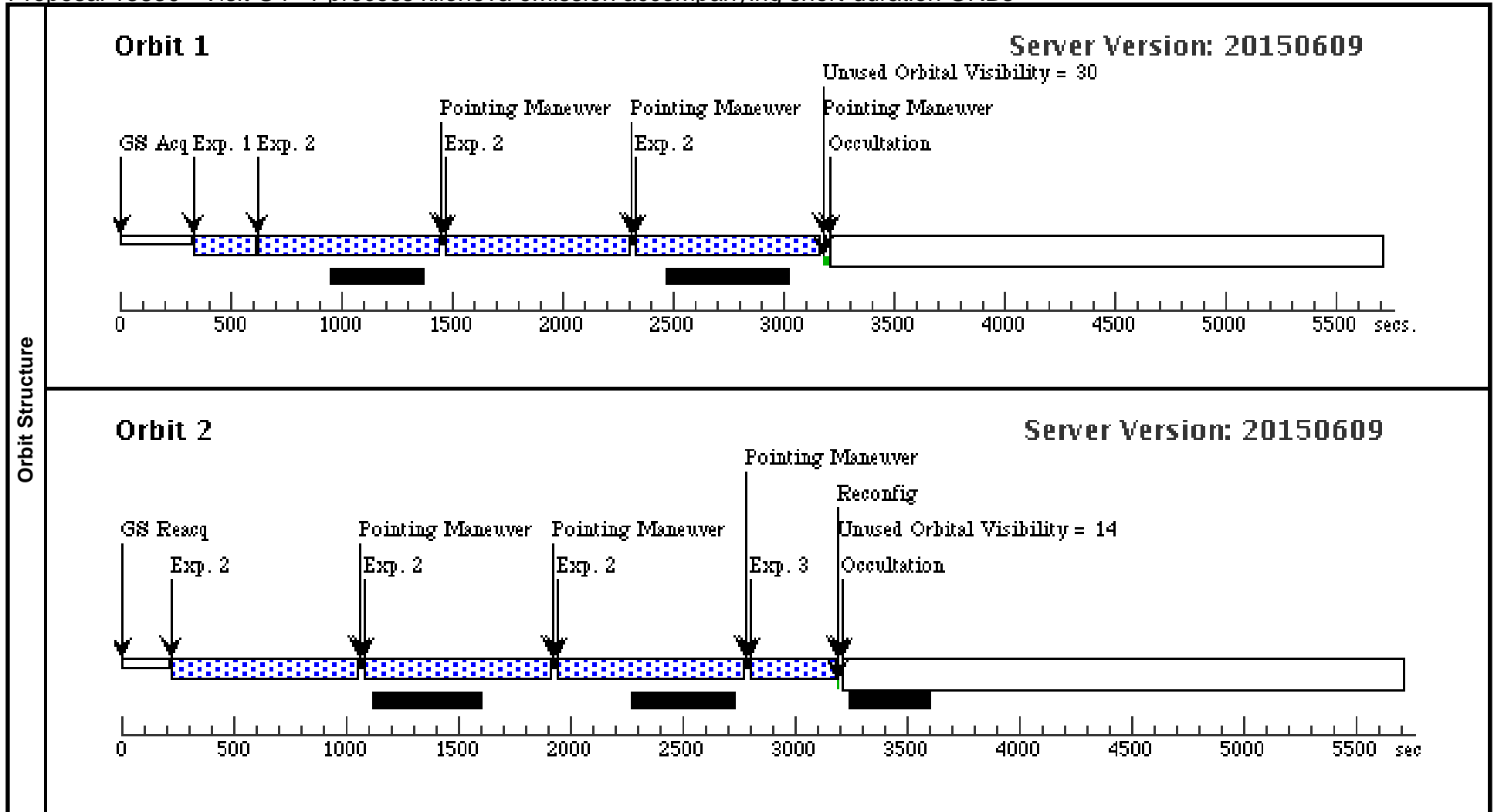
| Visit | Proposal 13830, Visit G3, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-----------|---|--|--|---|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (2) | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | Pattern Type=WFC3-IR-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | (2) | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F105W | NSAMP=10; SAMP-SEQ=STEP5 0 | | | 249.23203 Secs (249.232 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G102 | NSAMP=13; SAMP-SEQ=STEP1 00 | | Pattern 2, Exps 2-2 i n Visit G3 (2) | 699.232615 Secs (4195.396 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |
| 3 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F110W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.474,0. 424 | | | 349.232932 Secs (349.233 Secs) [==>] | [2] |



Proposal 13830 - Visit G4 - r-process kilonova emission accompanying short-duration GRBs

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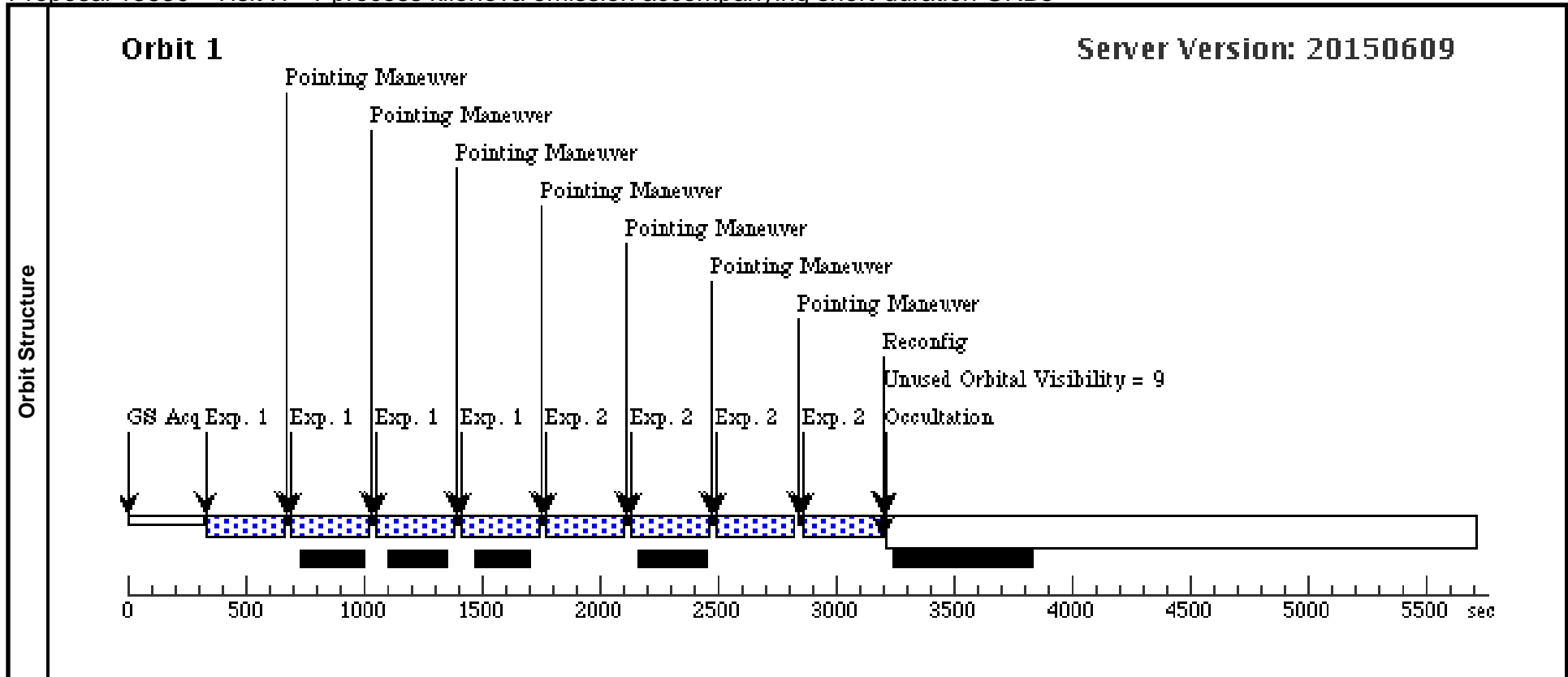
| Visit | Proposal 13830, Visit G4, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-----------|---|--|--|---|---------------|-------------------------------------|---|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (2) | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | (2) | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=10; SAMP-SEQ=STEP5 0 | | | 249.23203 Secs (249.232 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G141 | NSAMP=14; SAMP-SEQ=STEP1 00 | | Pattern 2, Exps 2-2 in Visit G4 (2) | 799.232938 Secs (4795.398 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |
| 3 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.474,0.424 | | | 349.232932 Secs (349.233 Secs) [==>] | [2] |



Proposal 13830 - Visit I1 - r-process kilonova emission accompanying short-duration GRBs

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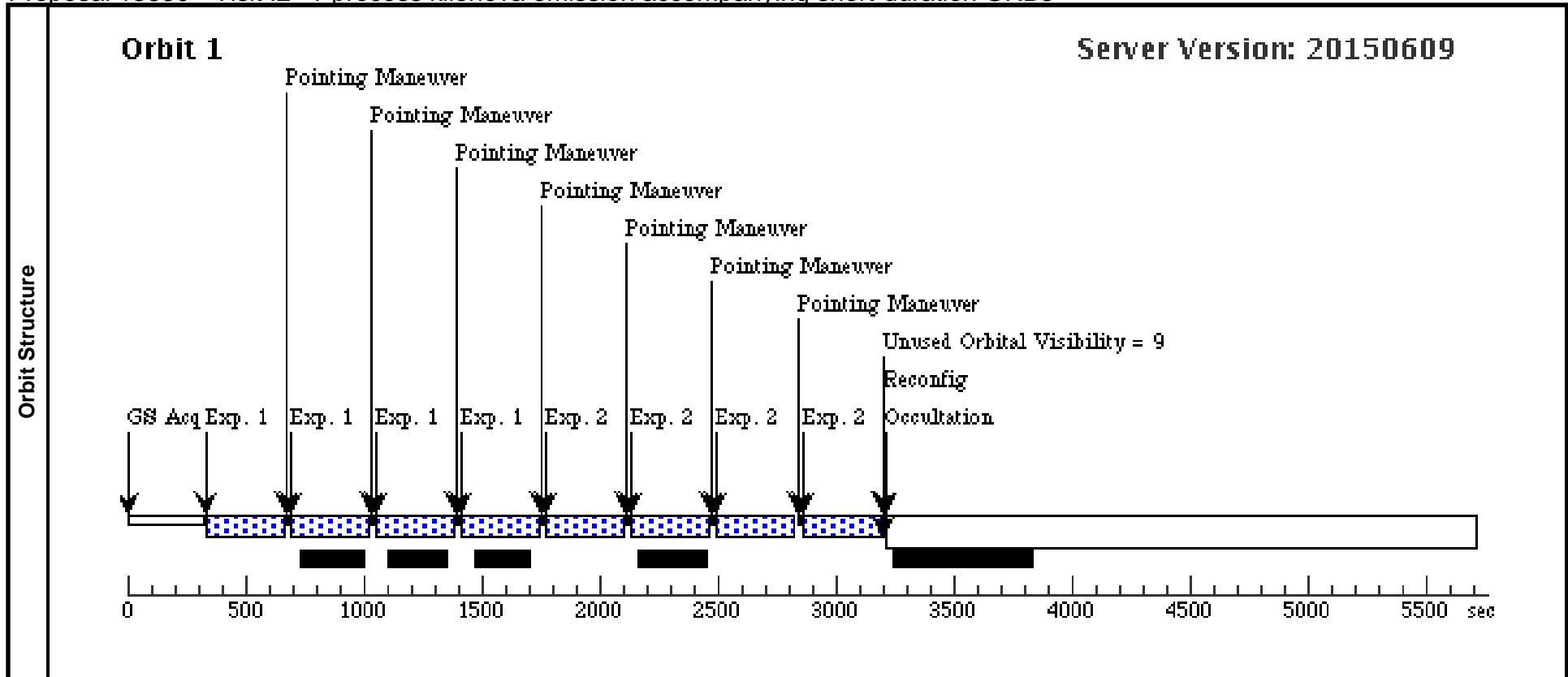
| | | | | | | | | | | |
|------------------------|---|--|---|-----------------------------|------------------------------|------------------------------|-------------------------------------|--|--|--------------|
| Visit | Proposal 13830, Visit II, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (1) | | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | (1), (2) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 1-1 in Visit II (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |
| 2 | (1) SGRB1 | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 2-2 in Visit II (1) | 299.231323 Secs (1196.925 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] | |



Proposal 13830 - Visit I2 - r-process kilonova emission accompanying short-duration GRBs

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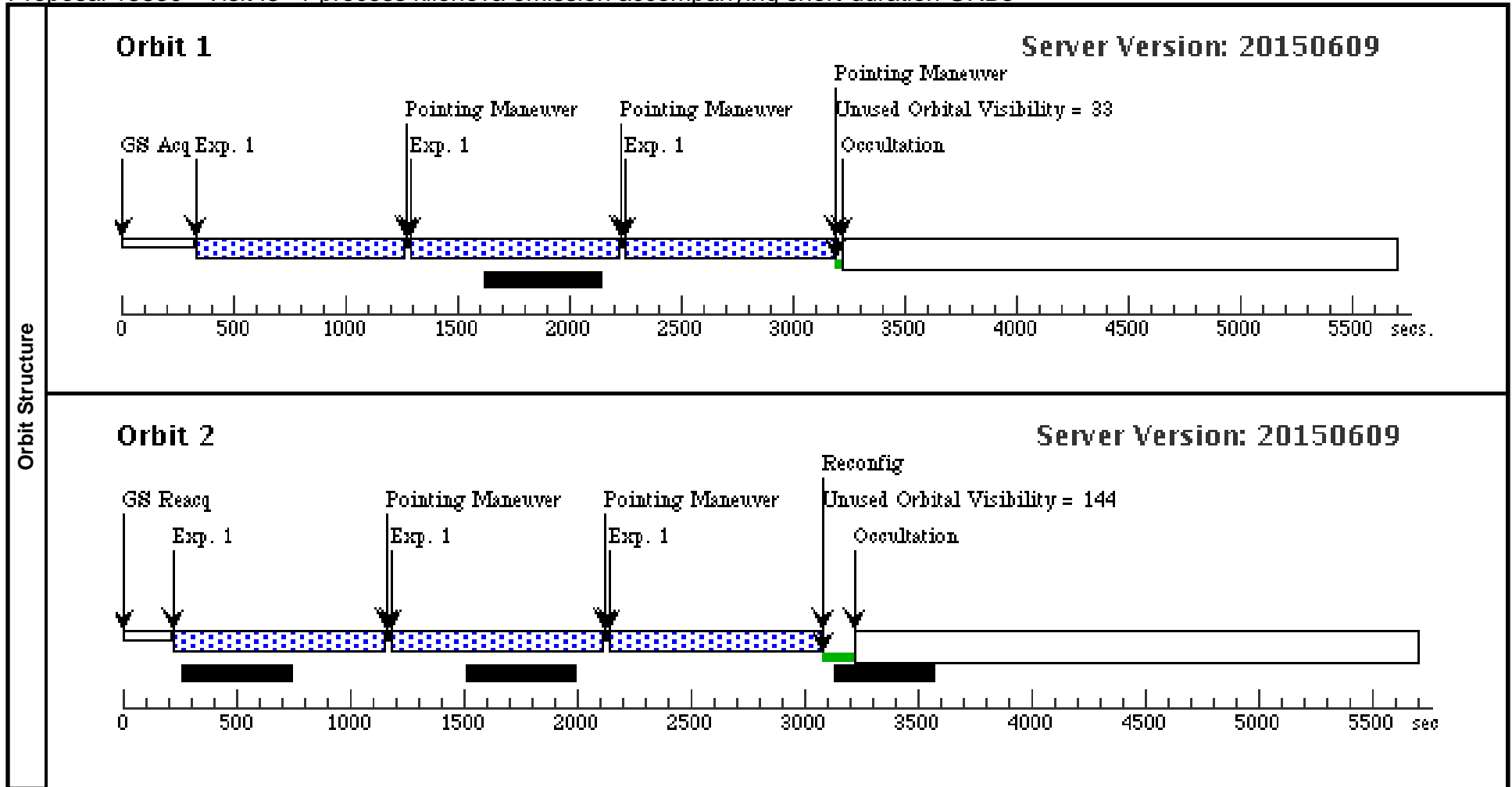
| Visit | Proposal 13830, Visit I2, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-----------|--|---|------------------------------|------------------------------|-------------------------------------|--|--|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | (1), (2) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 1-1 in Visit I2 (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |
| 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 2-2 in Visit I2 (1) | 299.231323 Secs (1196.925 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] | |



Proposal 13830 - Visit I3 - r-process kilonova emission accompanying short-duration GRBs

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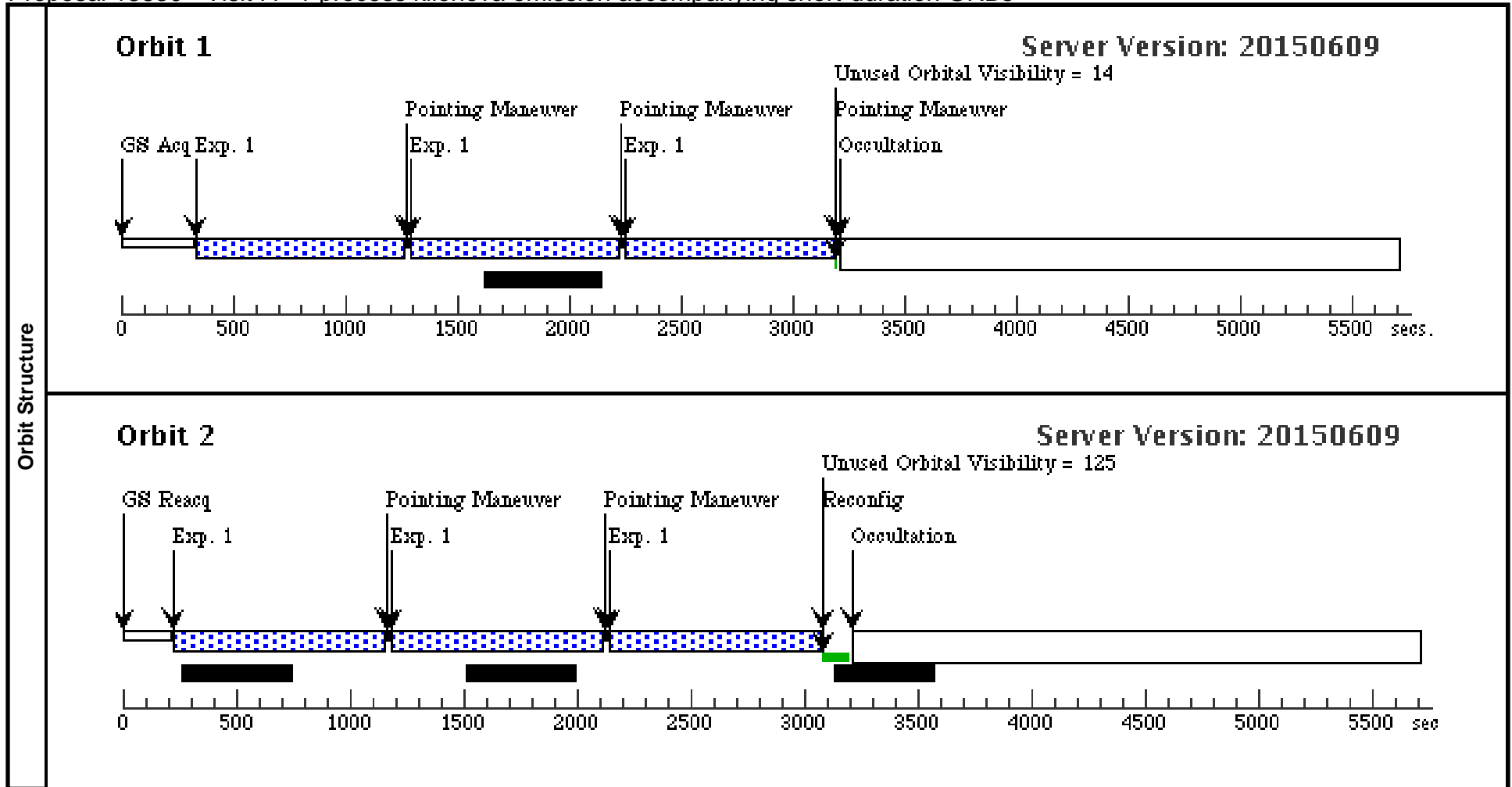
| Visit | Proposal 13830, Visit I3, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) | | | | | | | | | |
|---------------|--|------------|---|--|--|---|-----------------------|--------|--|---|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (2) | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | Pattern Type=WFC3-IR-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | (1) | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | | V=25+/-2 | Reference Frame: ICRS | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=15 | | | Pattern 2, Exps 1-1 i n Visit I3 (2) | 899.233261 Secs (5395.4 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |



Proposal 13830 - Visit I4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:56 GMT 2015

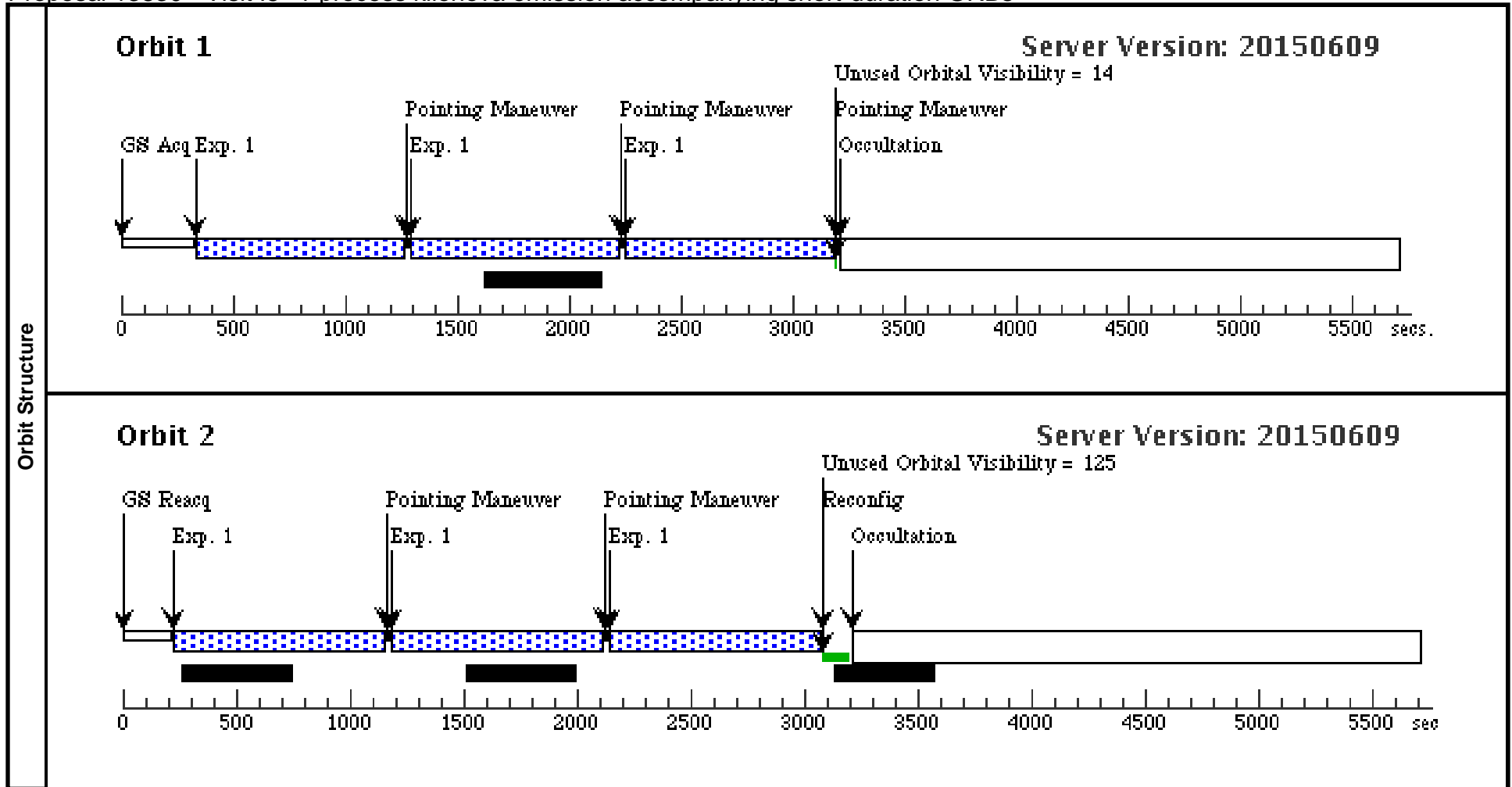
| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|-------------------------------------|--|--------------|
| Visit | Proposal 13830, Visit I4, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit I4 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |



Proposal 13830 - Visit I5 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:56 GMT 2015

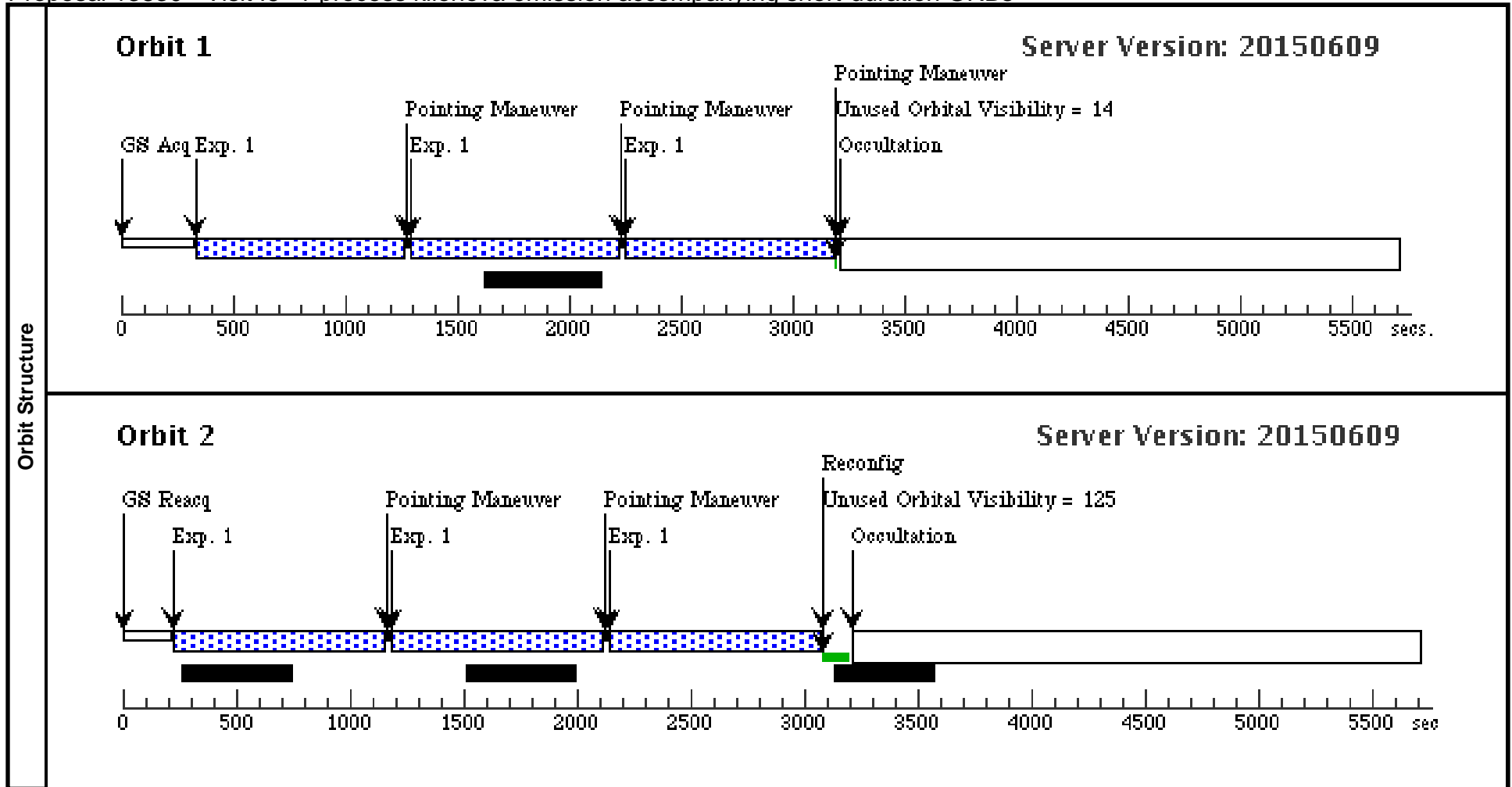
| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|-------------------------------------|--|--------------|
| Visit | Proposal 13830, Visit I5, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit I5 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |



Proposal 13830 - Visit I6 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:56 GMT 2015

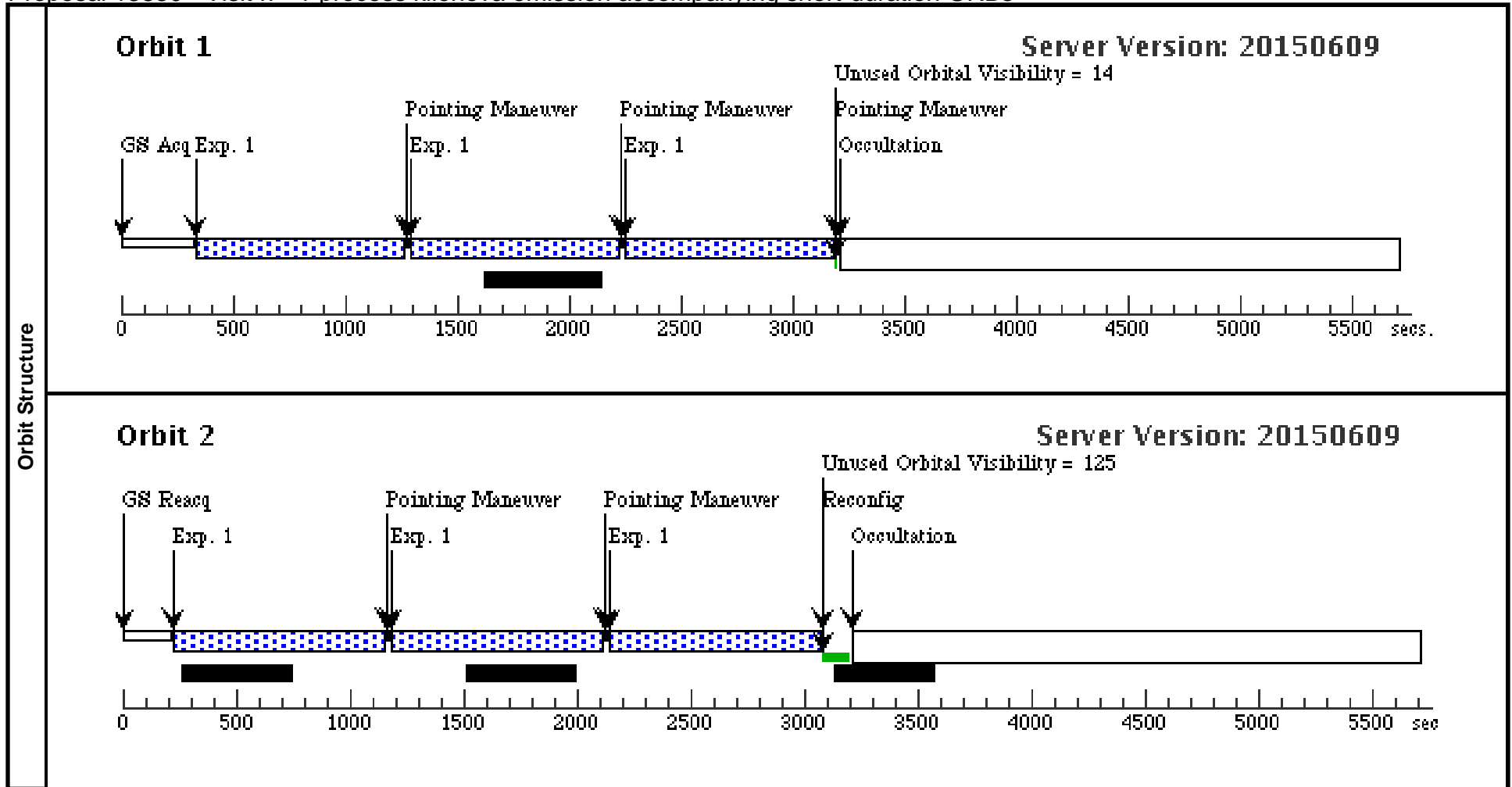
| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit I6, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit I6 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | | [2] |



Proposal 13830 - Visit I7 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:56 GMT 2015

| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|-------------------------------------|--|--------------|
| Visit | Proposal 13830, Visit I7, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F110W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit I7 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |

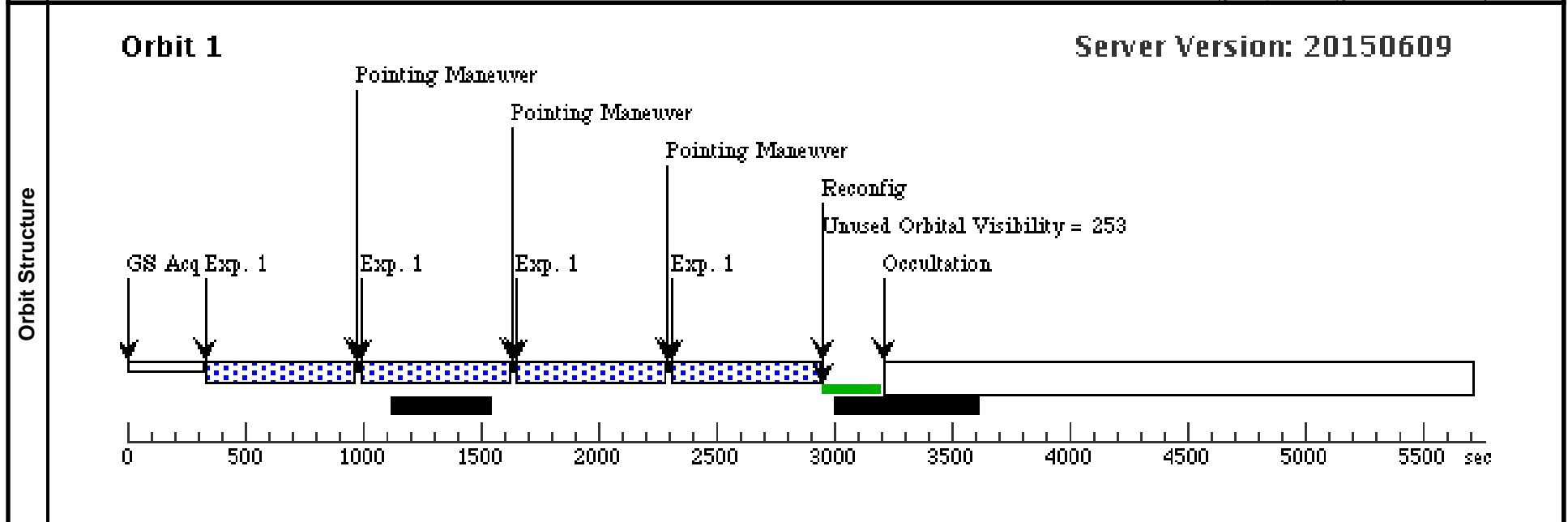


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit I8, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|--|---------------------------------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit I8 (1) | 599.232292 Secs (2396.929 Secs) |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | |

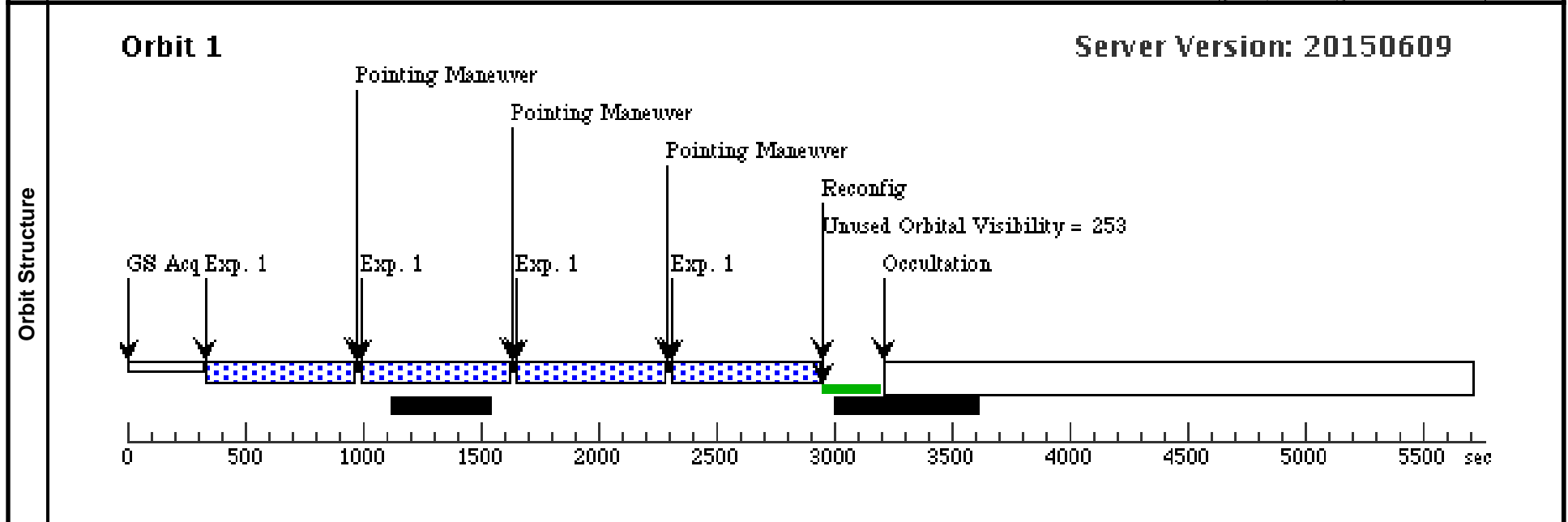


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit I9, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|-------------------------------------|---|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit I9 (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] |

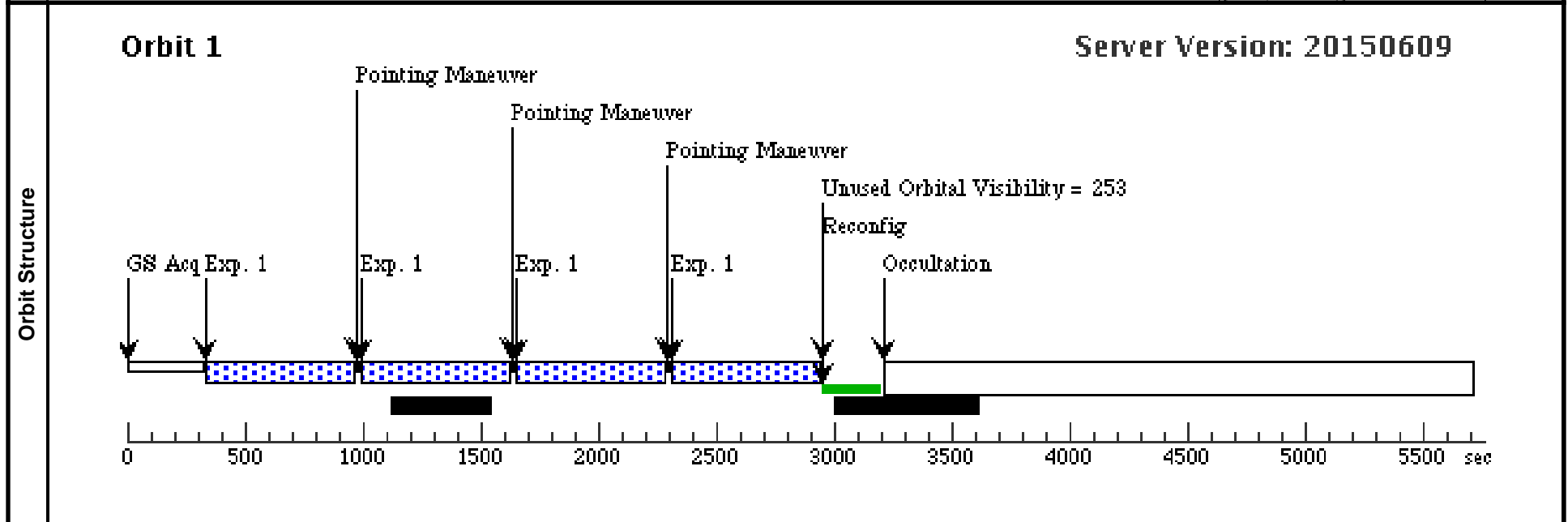


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit IA, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|-------------------------------------|---|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit IA (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] |



Proposal 13830 - Visit IB - r-process kilonova emission accompanying short-duration GRBs

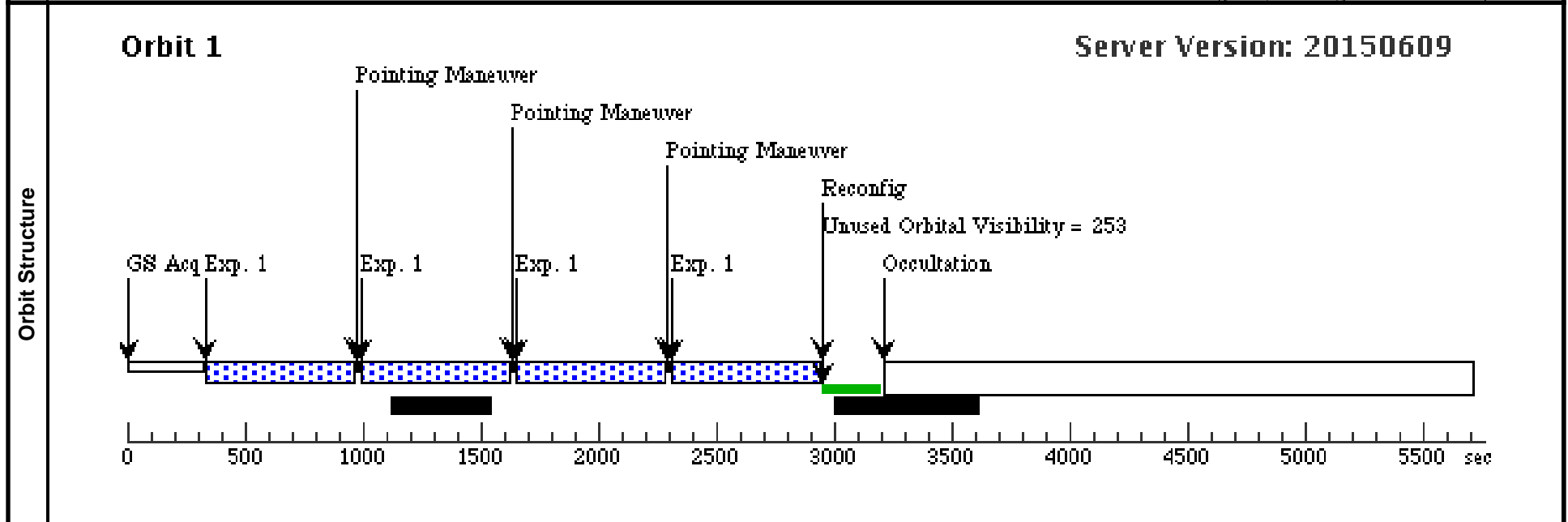
Sat Sep 12 01:12:57 GMT 2015

| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit IB, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|--|---------------------------------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit IB (1) | 599.232292 Secs (2396.929 Secs) |
| | | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | |

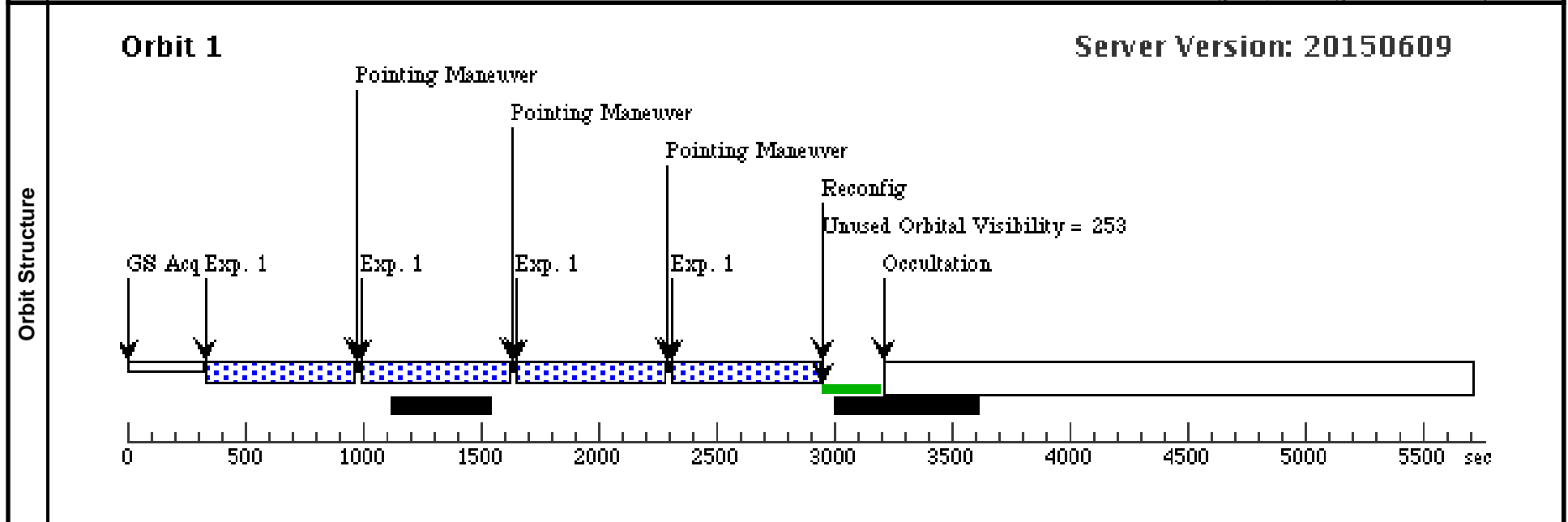


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit IC, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | (1) |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|---------------|
| | (1) | SGRB1 | SGRB | X-RAY EMITTER |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|-------------------------------------|---|-------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F110W | SAMP-SEQ=STEP100; NSAMP=12 | | Pattern 1, Exps 1-1 in Visit IC (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |



Proposal 13830 - Visit O1 - r-process kilonova emission accompanying short-duration GRBs

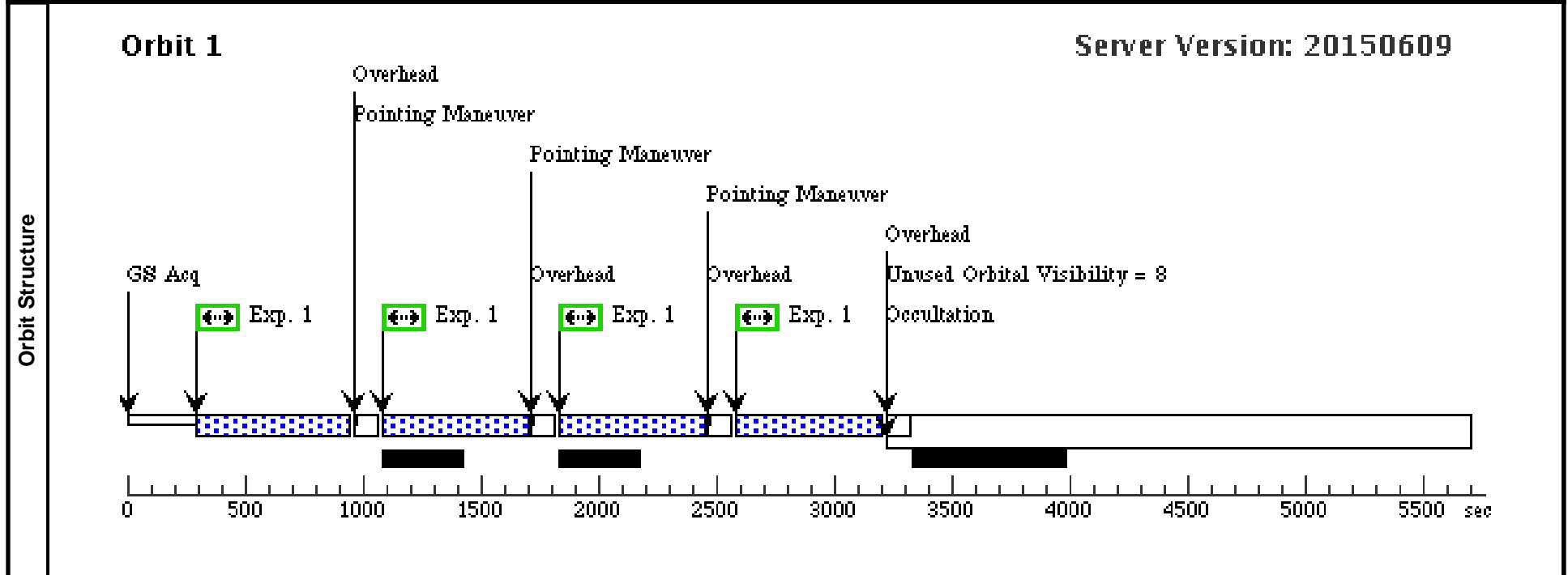
Sat Sep 12 01:12:57 GMT 2015

| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit O1, implementation | | |
| | Diagnostic Status: No Diagnostics | | |
| | Scientific Instruments: WFC3/UVIS | | |
| | Special Requirements: (none) | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | |

| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
|----------------------|-----|------------|--|--------------------------|----------|-----------------------|
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS |

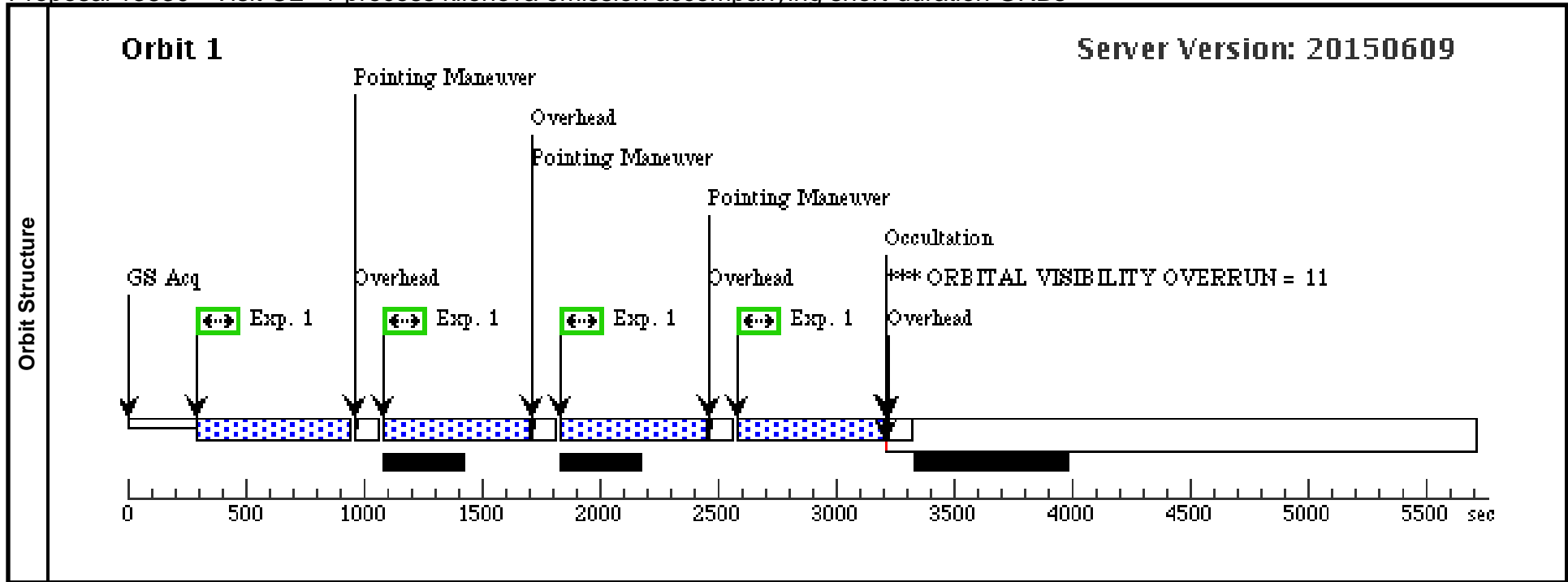
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|----------------|-------------------------|---------------|--------------|------------------|-------------------------------------|--|-------|
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F475W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit O1 (3) | 700 Secs (2496 Secs) [==>624.0 Secs (Pattern 1)] [==>624.0 Secs (Pattern 2)] [==>624.0 Secs (Pattern 3)] [==>624.0 Secs (Pattern 4)] | [1] |



Proposal 13830 - Visit O2 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

| | | | | | | | | | | | |
|------------------------|--|--|-----------------|-----------------------------|----------------------|---|----------------------|-------------------------------------|--|------------------|--------------|
| Visit | Proposal 13830, Visit O2, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit O2) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | Criteria | | | Description | | | | | |
| | (1) | SGRB1 | SGRB | | | X-RAY EMITTER | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit O2 (3) | 700 Secs (2496 Secs) | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 1)] | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 2)] | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 3)] | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 4)] | [1] | |

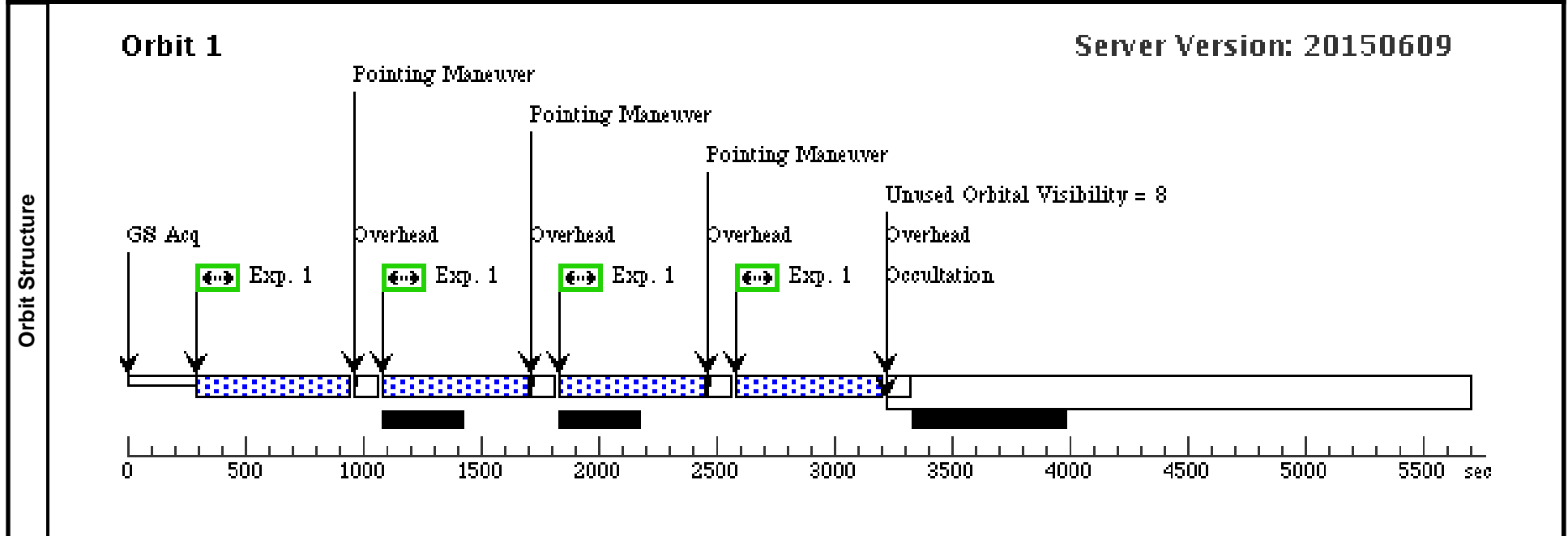


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit O3, implementation | | |
| | Diagnostic Status: No Diagnostics | | |
| | Scientific Instruments: WFC3/UVIS | | |
| | Special Requirements: (none) | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | |

| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous |
|----------------------|-----|------------|--|--------------------------|----------|-----------------------|
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS |

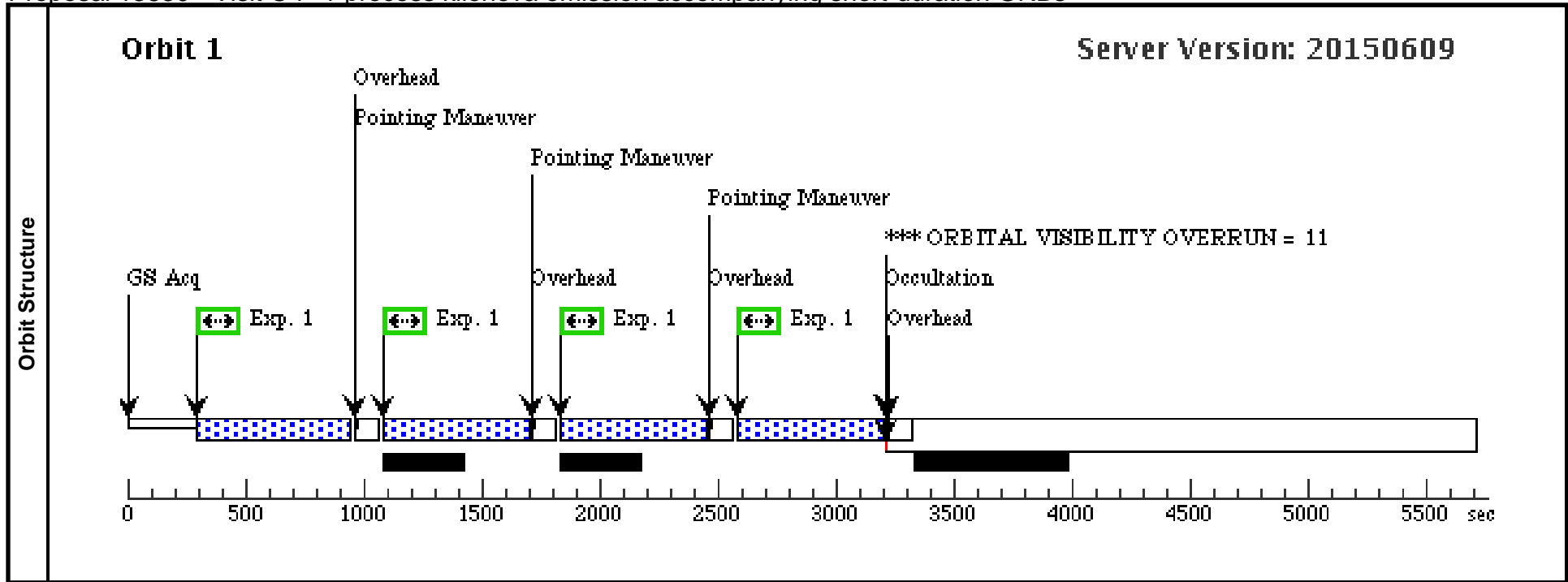
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|----------------|-------------------------|---------------|--------------|------------------|-------------------------------------|--|-------|
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F814W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit O3 (3) | 700 Secs (2496 Secs) [==>624.0 Secs (Pattern 1)] [==>624.0 Secs (Pattern 2)] [==>624.0 Secs (Pattern 3)] [==>624.0 Secs (Pattern 4)] | [1] |



Proposal 13830 - Visit O4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

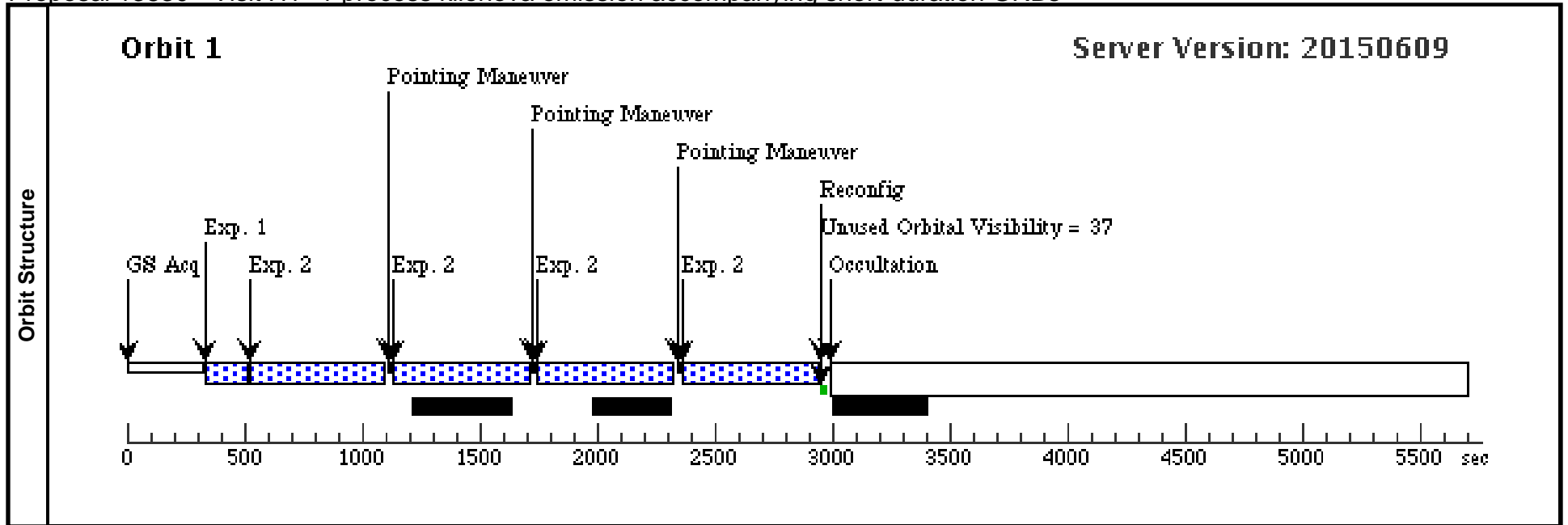
| | | | | | | | | | | | |
|------------------------|--|--|-----------------|-----------------------------|----------------------|---|----------------------|-------------------------------------|--|------------------|--------------|
| Visit | Proposal 13830, Visit O4, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit O4) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 3, Exps 1-1 in Visit O4)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F850LP | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit O4 (3) | 700 Secs (2496 Secs) [=>624.0 Secs (Pattern 1)] [=>624.0 Secs (Pattern 2)] [=>624.0 Secs (Pattern 3)] [=>624.0 Secs (Pattern 4)] | | [1] |



Proposal 13830 - Visit H1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

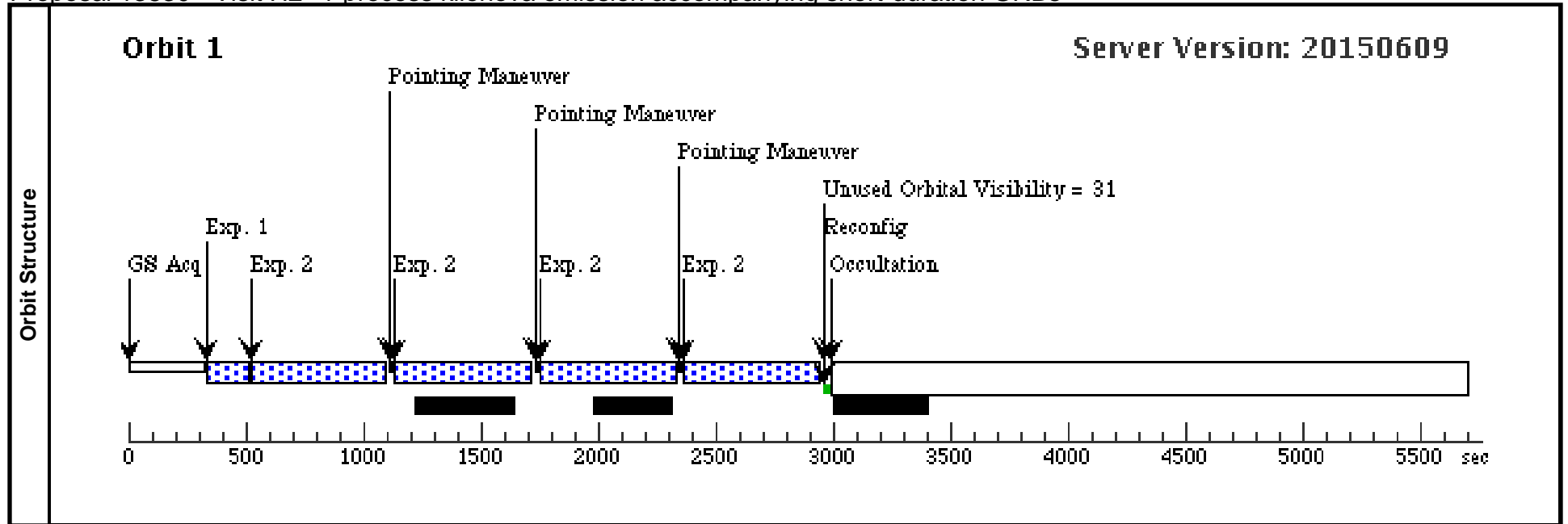
| Visit | Proposal 13830, Visit H1, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-------|--|---|---------------|-----------------------------------|---------------|-------------------------------------|---|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F105W | NSAMP=4; SAMP-SEQ=SPAR S50 | | | 152.933644 Secs (152.934 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G102 | NSAMP=12; SAMP-SEQ=SPAR S50 | | Pattern 1, Exps 2-2 in Visit H1 (1) | 552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |



Proposal 13830 - Visit H2 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

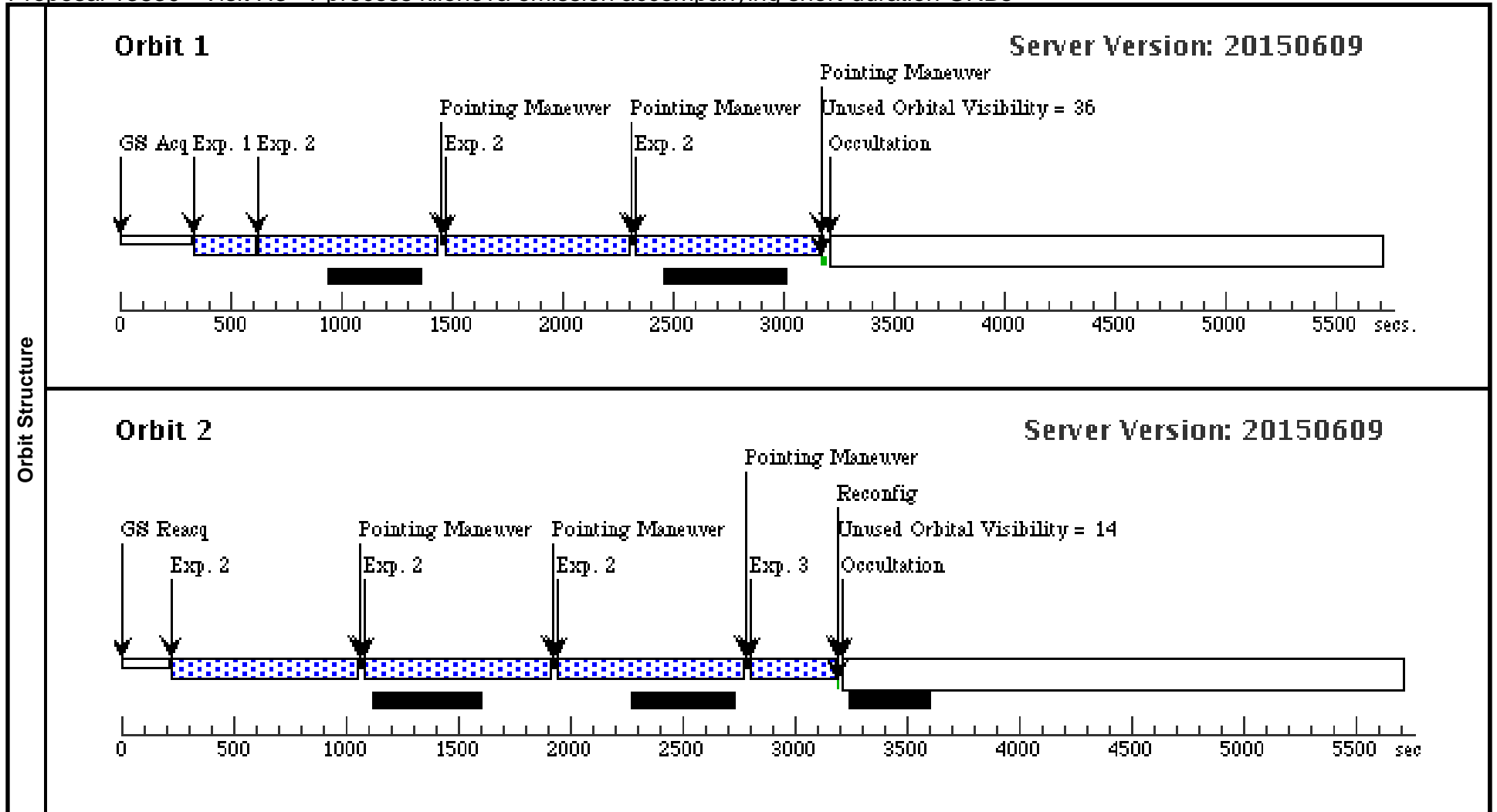
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|------------------------|---|--|---|--------------------------------|----------------------|-----------------------------------|--------------------------|-------------------------------------|---|--------------|
| Visit | Proposal 13830, Visit H2, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%; ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | |
| (1) | | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | | | (2) |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=4; SAMP-SEQ=SPAR S50 | | | 152.933644 Secs (152.934 Secs) [==>] | [1] |
| | 2 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, GRISM1024 | G141 | NSAMP=12; SAMP-SEQ=SPAR S50 | | Pattern 1, Exps 2-2 in Visit H2 (1) | 552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | [1] |



Proposal 13830 - Visit H3 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

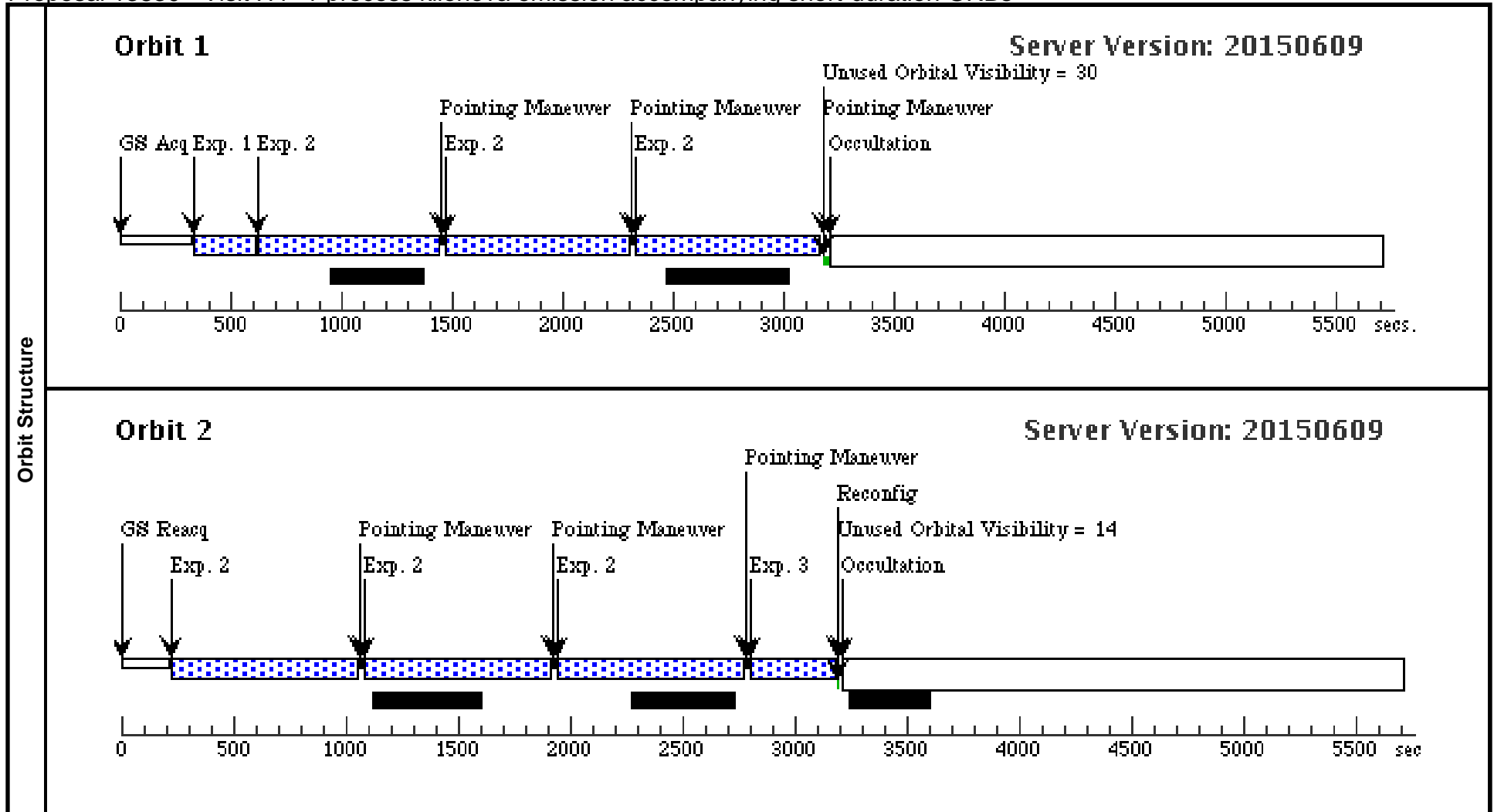
| Visit | Proposal 13830, Visit H3, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-------|---|--|--|---|--------------------------|---|---|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (2) | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | Pattern Type=WFC3-IR-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | (2) | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F105W | NSAMP=10; SAMP-SEQ=STEP5 0 | | | 249.23203 Secs (249.232 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G102 | NSAMP=14; SAMP-SEQ=STEP1 00 | | Pattern 2, Exps 2-2 i n Visit H3 (2) | 799.232938 Secs (4795.398 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | 3 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F110W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.474,0. 424 | | 349.232932 Secs (349.233 Secs) [==>] | [2] |



Proposal 13830 - Visit H4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

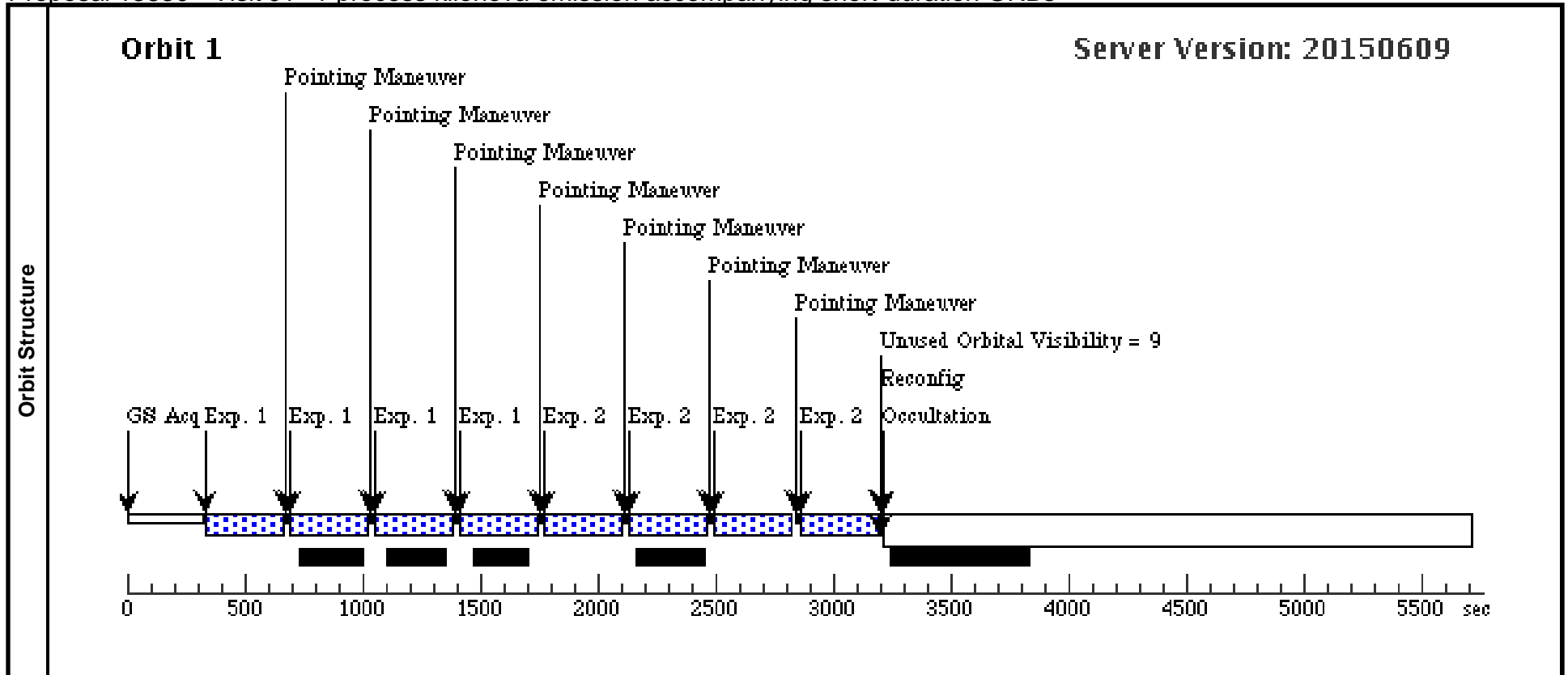
| Visit | Proposal 13830, Visit H4, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|---|-----------|---|--|--|---|---------------|---|---|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| | | (2) | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | Pattern Type=WFC3-IR-DITHER- LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | (2) | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=10; SAMP-SEQ=STEP5 0 | | | 249.23203 Secs (249.232 Secs) [==>] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | G141 | NSAMP=14; SAMP-SEQ=STEP1 00 | | Pattern 2, Exps 2-2 i n Visit H4 (2) | 799.232938 Secs (4795.398 Secs) [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |
| 3 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, GRISM1024 | F140W | NSAMP=12; SAMP-SEQ=STEP5 0 | POS TARG 0.474,0. 424 | | | 349.232932 Secs (349.233 Secs) [==>] | [2] |



Proposal 13830 - Visit J1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:57 GMT 2015

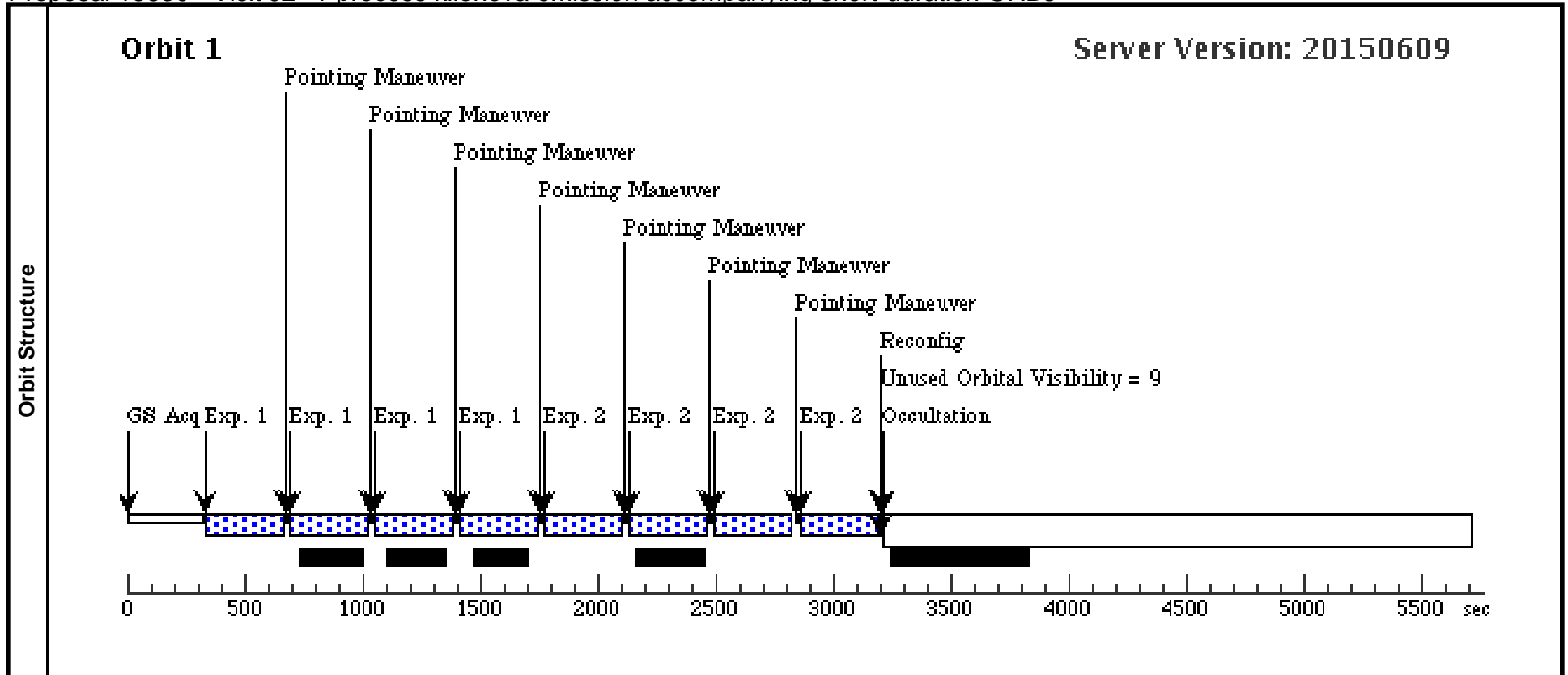
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|------------------------|---|--|---|-----------------------------|----------------------|------------------------------|--------------------------|--|--|------------------|
| Visit | Proposal 13830, Visit J1, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures |
| (1) | | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | | (1), (2) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 1-1 in Visit J1 (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |
| | 2 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 2-2 in Visit J1 (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] | |



Proposal 13830 - Visit J2 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

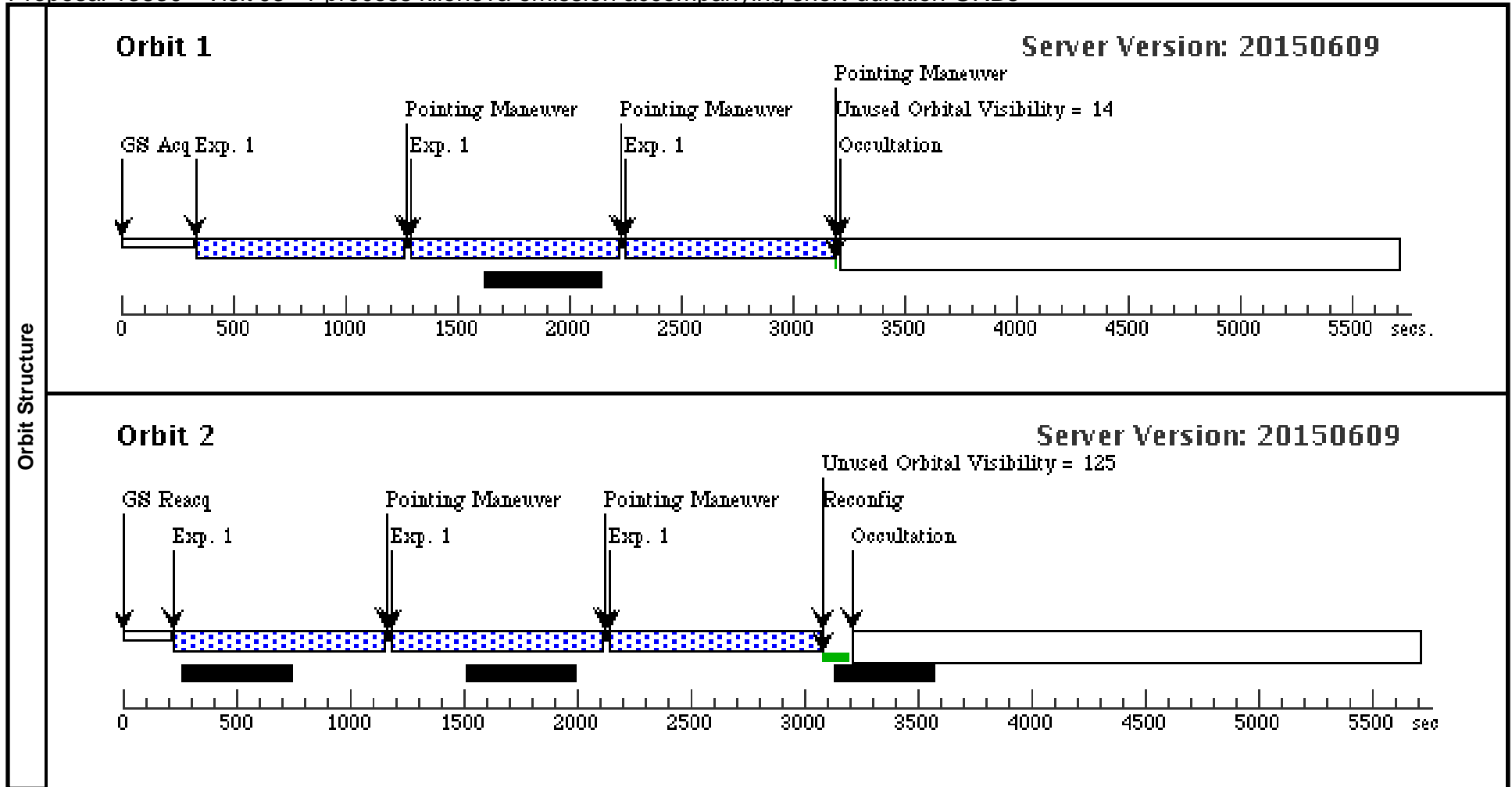
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|------------------------|---|--|---|-----------------------------|----------------------|------------------------------|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit J2, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (1) | | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | | | | | (1), (2) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 1-1 in Visit J2 (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |
| | 2 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=9 | | Pattern 1, Exps 2-2 in Visit J2 (1) | 299.231323 Secs (1196.925 Secs) | |
| | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] | |



Proposal 13830 - Visit J3 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

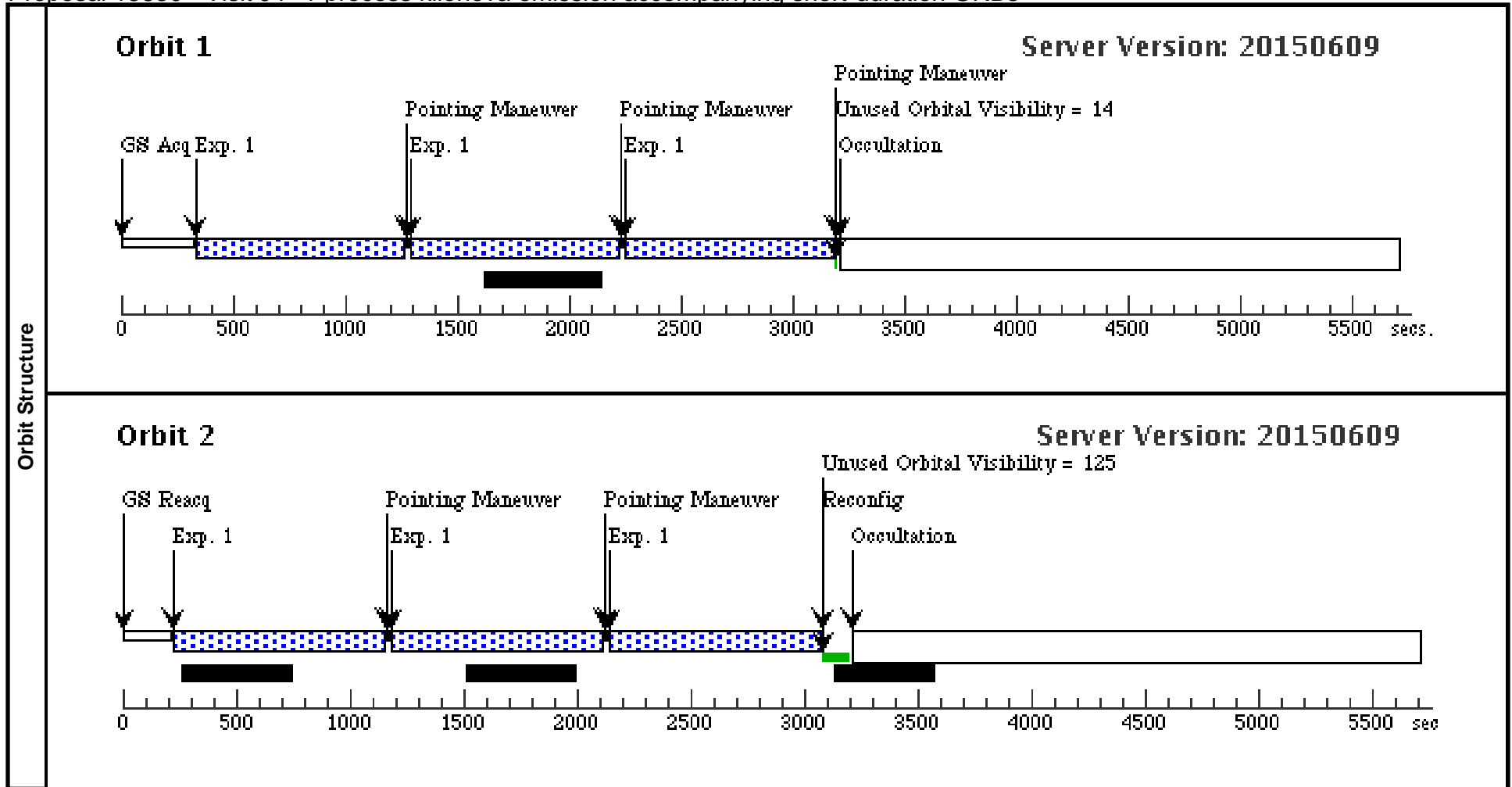
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|------------------------|---|---|--|-----------------------------|--|---|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit J3, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit J3 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | | [2] |



Proposal 13830 - Visit J4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

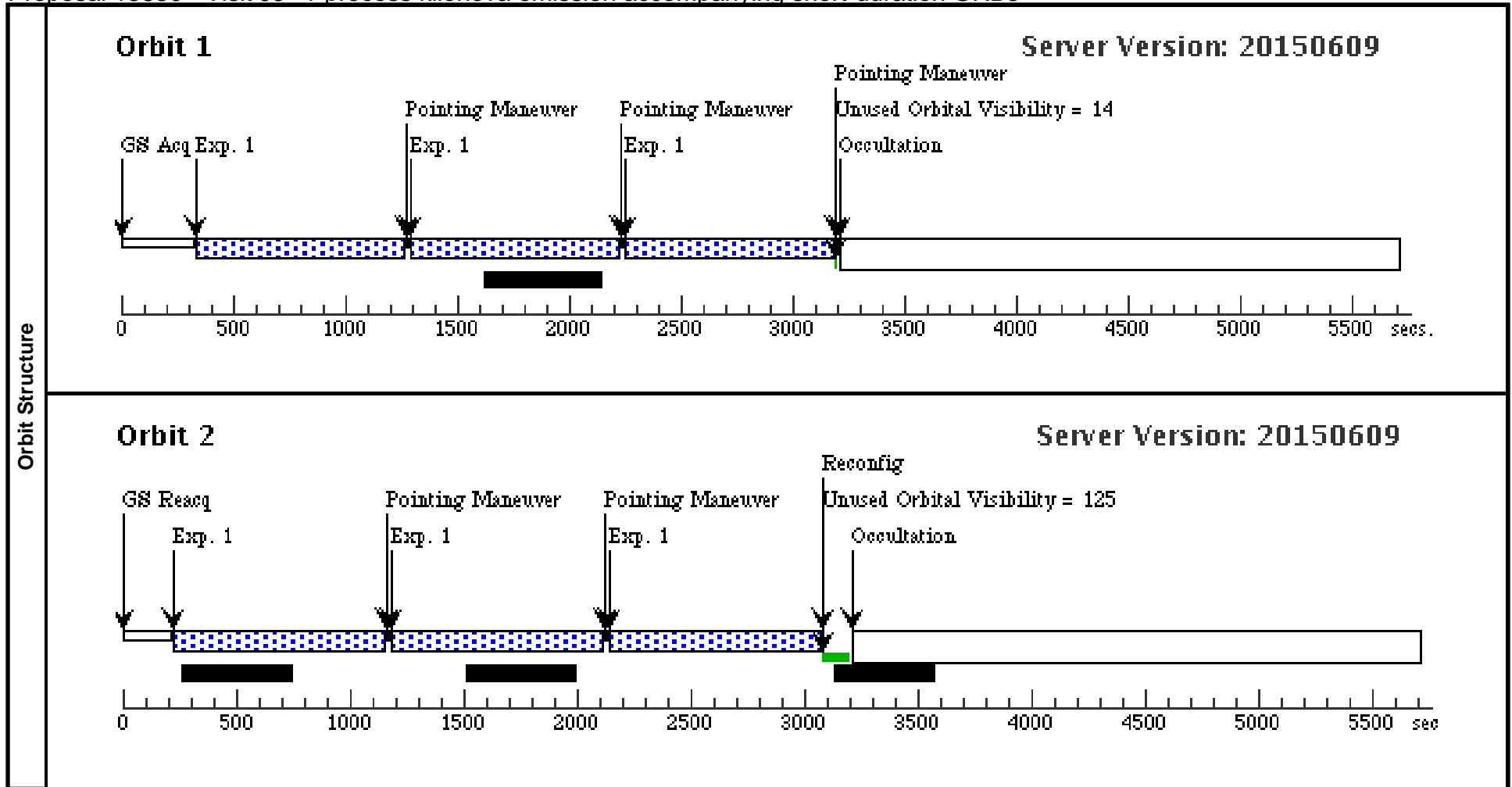
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|------------------------|---|---|--|-----------------------------|--|---|----------------------|-------------------------------------|--|--------------|
| Visit | Proposal 13830, Visit J4, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit J4 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] |



Proposal 13830 - Visit J5 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

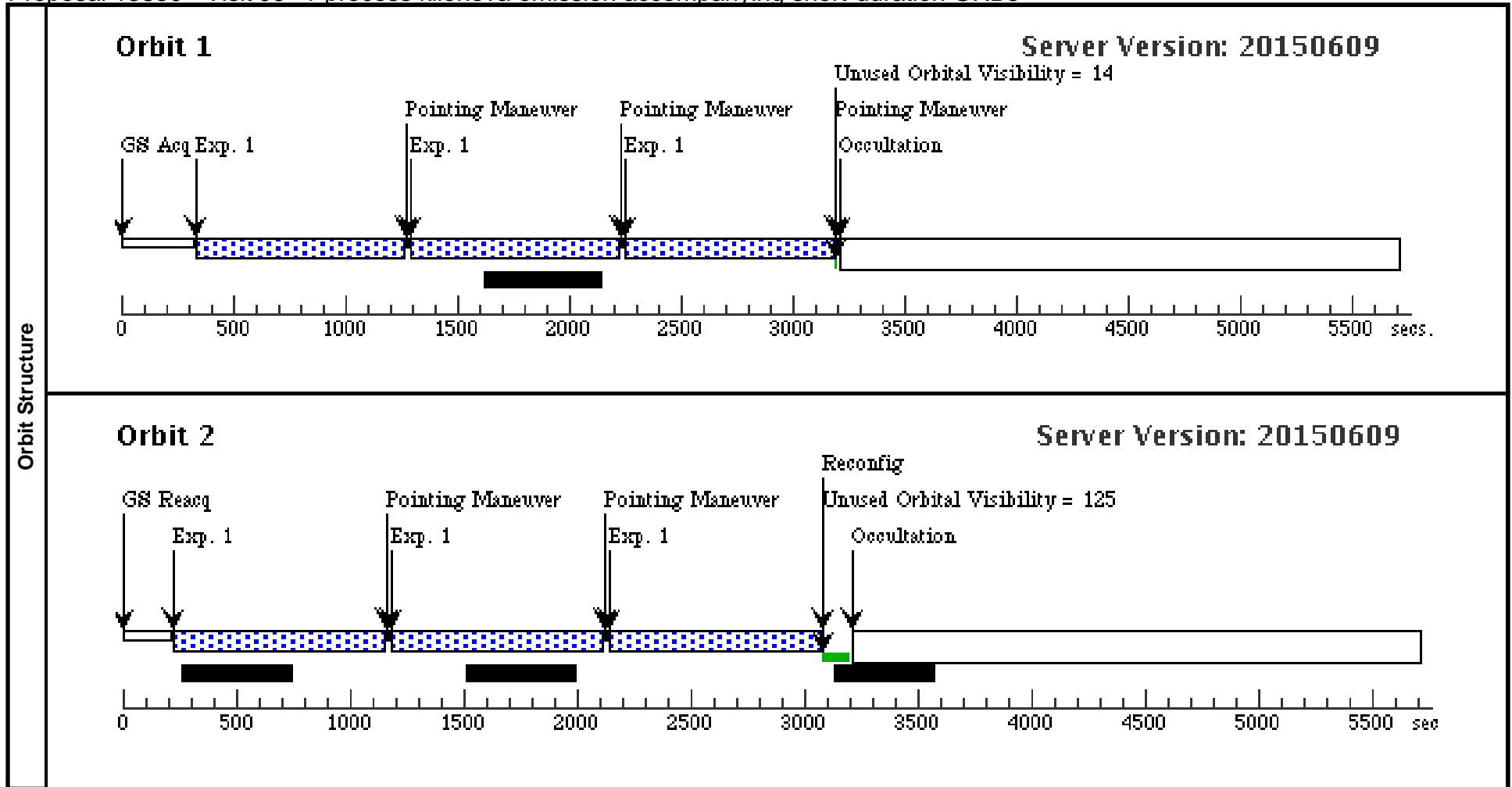
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|------------------------|---|---|--|-----------------------------|--|---|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit J5, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit J5 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | | [2] |



Proposal 13830 - Visit J6 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

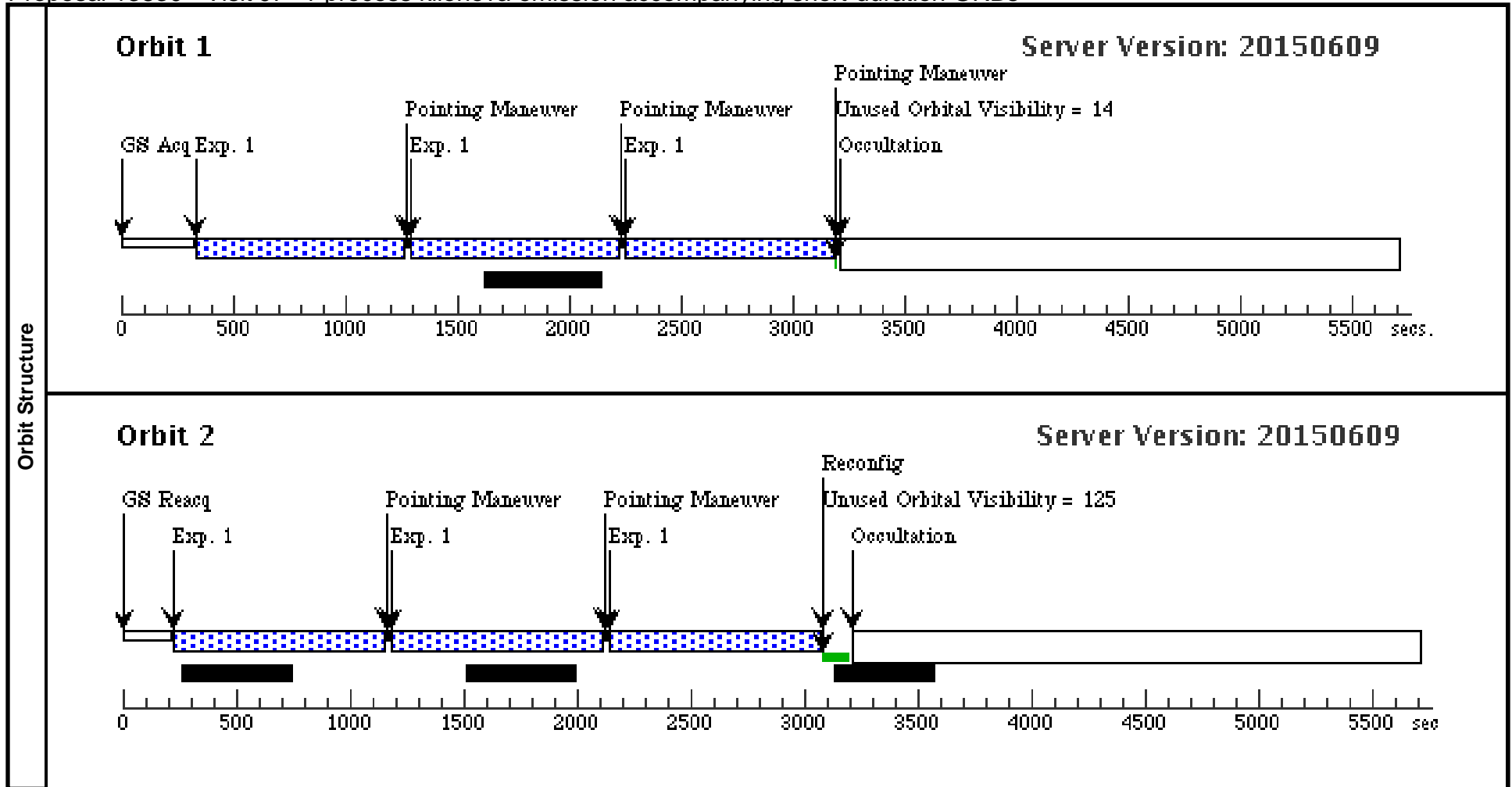
| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit J6, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit J6 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | | [2] |



Proposal 13830 - Visit J7 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

| | | | | | | | | | | |
|------------------------|---|---|--|-----------------------------|--|---|----------------------|--|--|--------------|
| Visit | Proposal 13830, Visit J7, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | |
| (2) | | Pattern Type=LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.474 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (1) | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/IR, MULTIACCUM, IR | F110W | SAMP-SEQ=STEP100; NSAMP=15 | | Pattern 2, Exps 1-1 in Visit J7 (2) | 899.233261 Secs (5395.4 Secs) | |
| | | | | | | | | | [==>(Pattern 1,1)] [==>(Pattern 1,2)] [==>(Pattern 1,3)] | [1] |
| | | | | | | | | [==>(Pattern 2,1)] [==>(Pattern 2,2)] [==>(Pattern 2,3)] | [2] | |

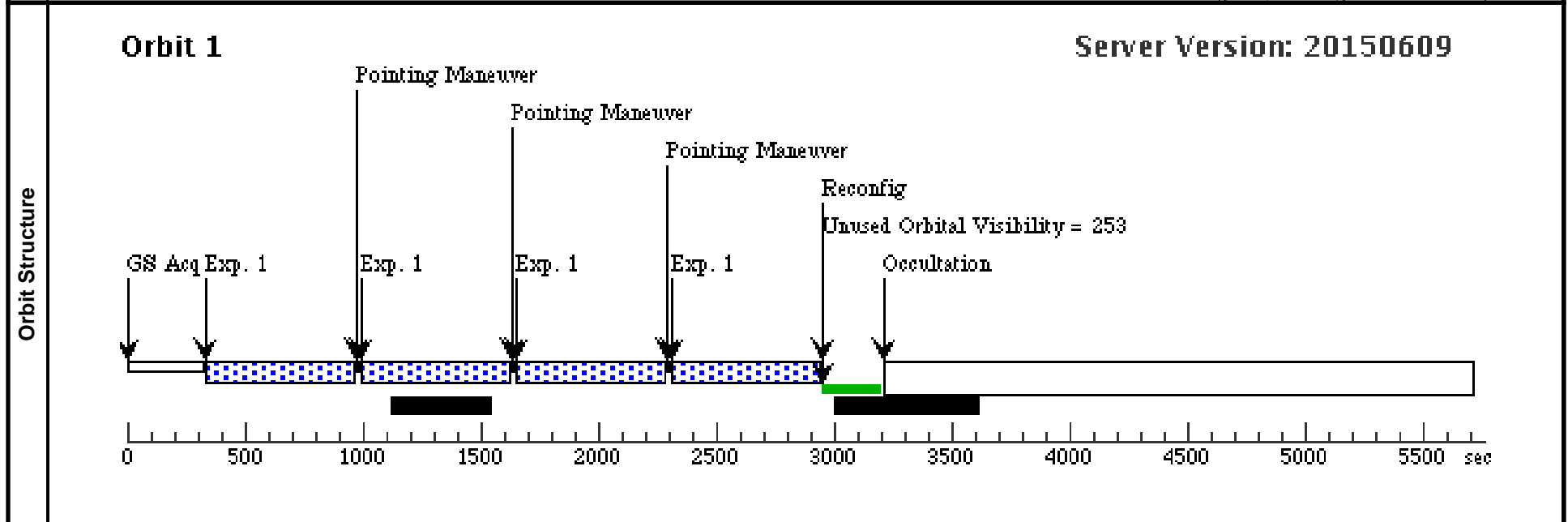


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit J8, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | (1) |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|---------------|
| | (1) | SGRB1 | SGRB | X-RAY EMITTER |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|-------------------------------------|---|-------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=12 | | Pattern 1, Exps 1-1 in Visit J8 (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |

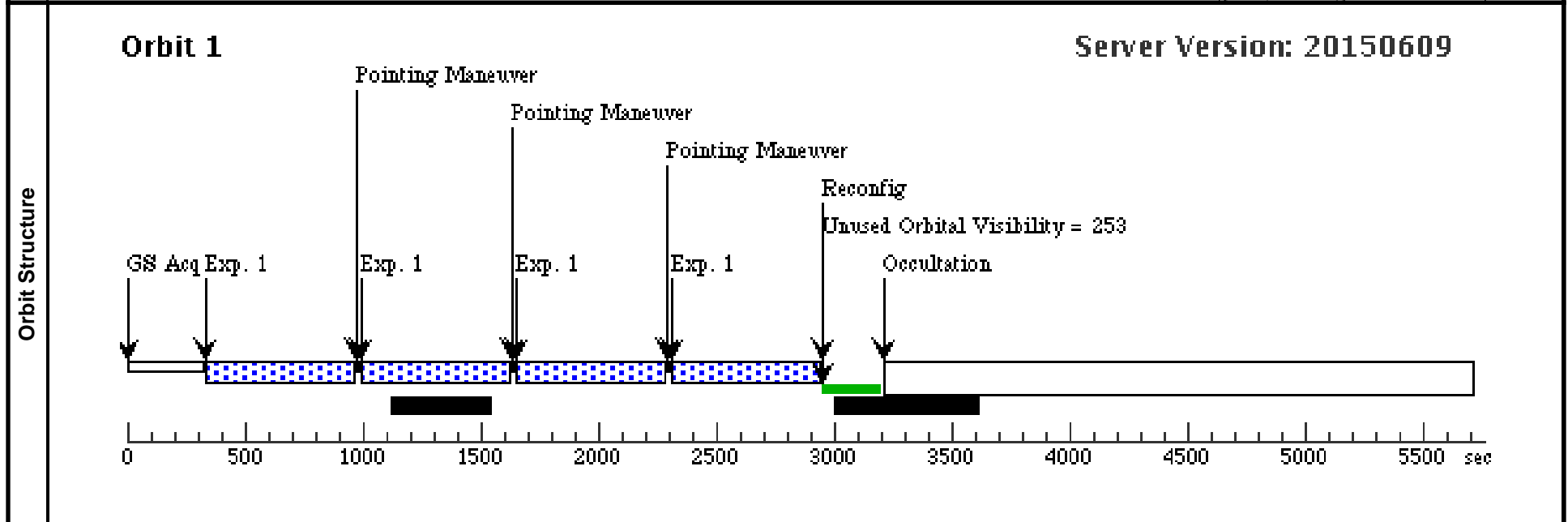


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit J9, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|--|---------------------------------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit J9 (1) | 599.232292 Secs (2396.929 Secs) |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] | |

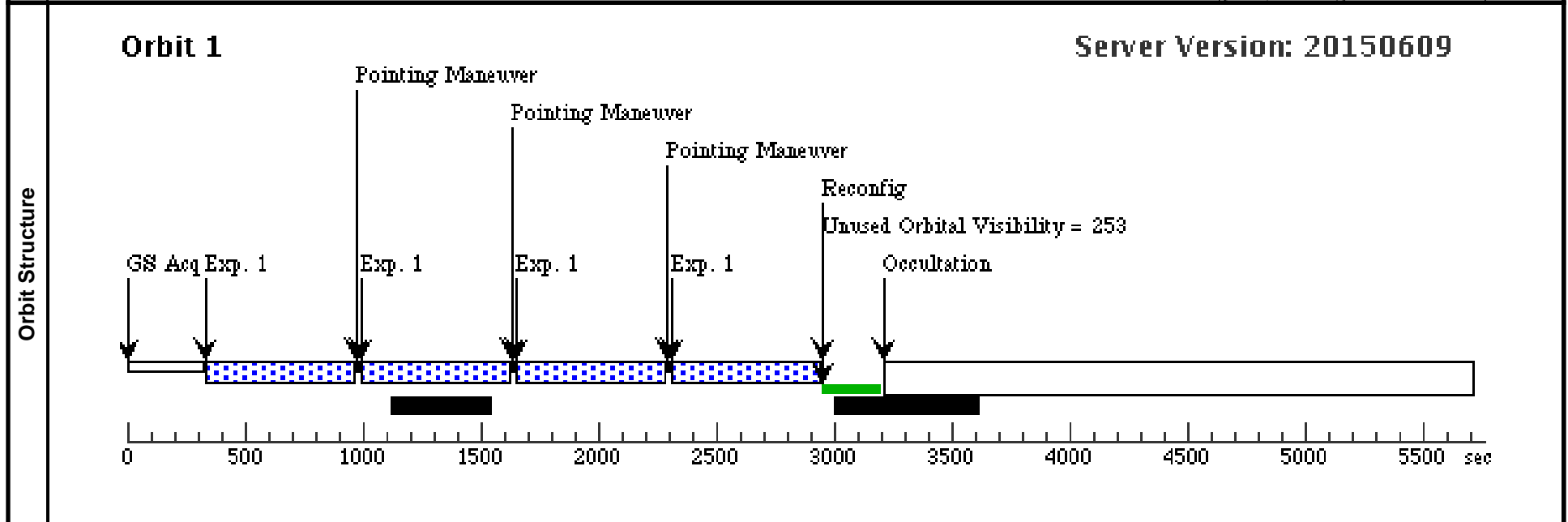


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit JA, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|-------------|
| | (1) | SGRB1 | SGRB | |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|--------|--|---------------------------------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F140W | SAMP-SEQ=STEP100; NSAMP=12 | | | Pattern 1, Exps 1-1 in Visit JA (1) | 599.232292 Secs (2396.929 Secs) |
| | | | | | | | | | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | |

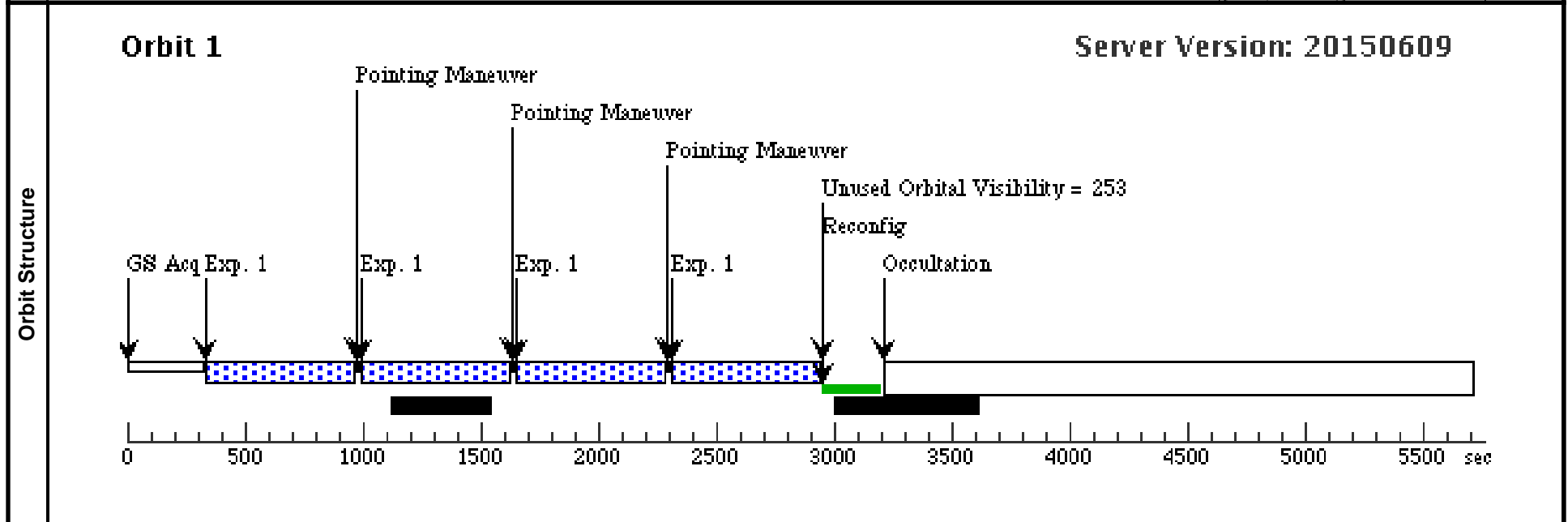


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit JB, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | (1) |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|---------------|
| | (1) | SGRB1 | SGRB | X-RAY EMITTER |

| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|-------------------------------------|---|-------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP100; NSAMP=12 | | Pattern 1, Exps 1-1 in Visit JB (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |

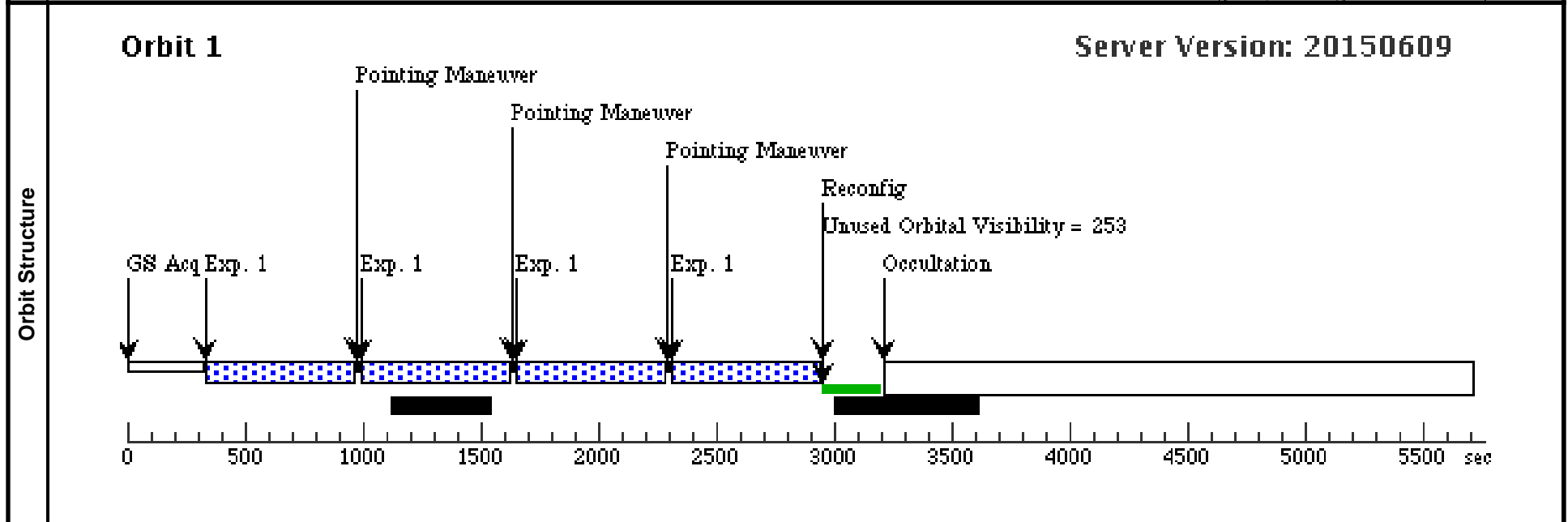


| | | | |
|--------------|---|--|--|
| Visit | Proposal 13830, Visit JC, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | |
| | | | |

| Patterns | # | Primary Pattern | Secondary Pattern | Exposures |
|-----------------|-----|--|---|-----------|
| | (1) | Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365 | Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false | (1) |

| Generic Targets | # | Name | Criteria | Description |
|------------------------|-----|-------|----------|---------------|
| | (1) | SGRB1 | SGRB | X-RAY EMITTER |

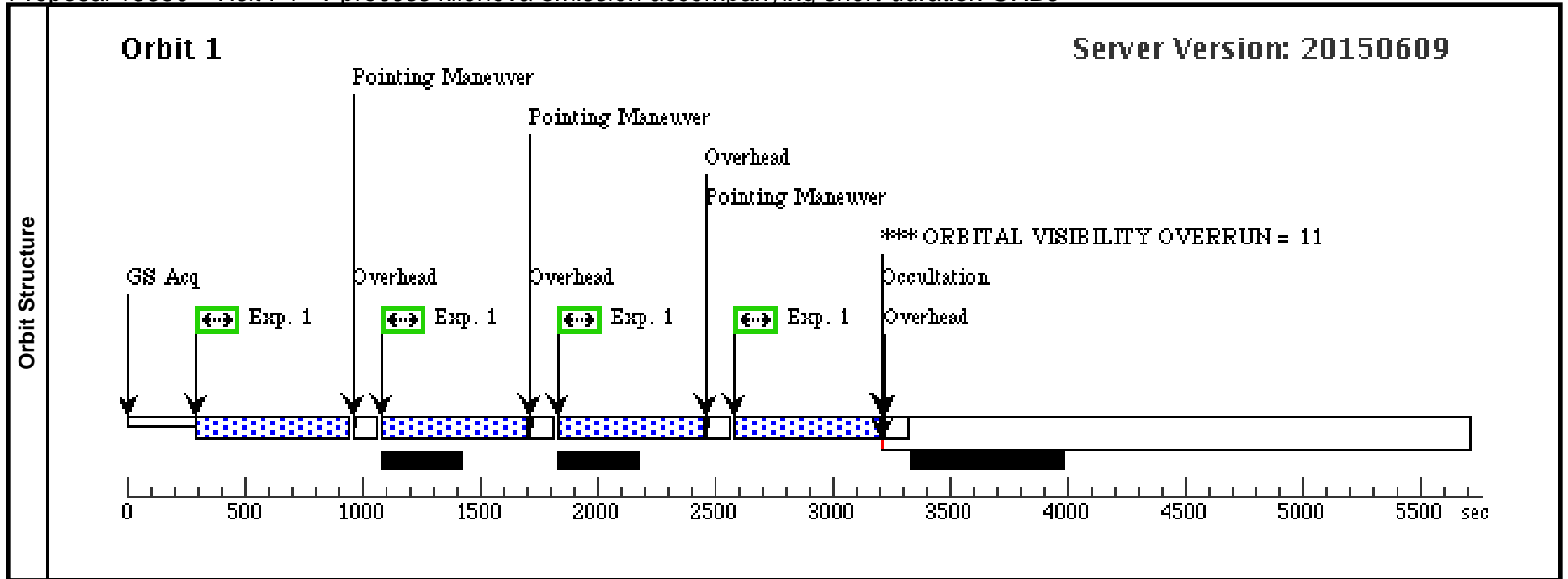
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
|------------------|---|-------|-----------|-------------------------|---------------|-------------------------------|---------------|-------------------------------------|---|-------|
| | 1 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F110W | SAMP-SEQ=STEP100; NSAMP=12 | | Pattern 1, Exps 1-1 in Visit JC (1) | 599.232292 Secs (2396.929 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |



Proposal 13830 - Visit P1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

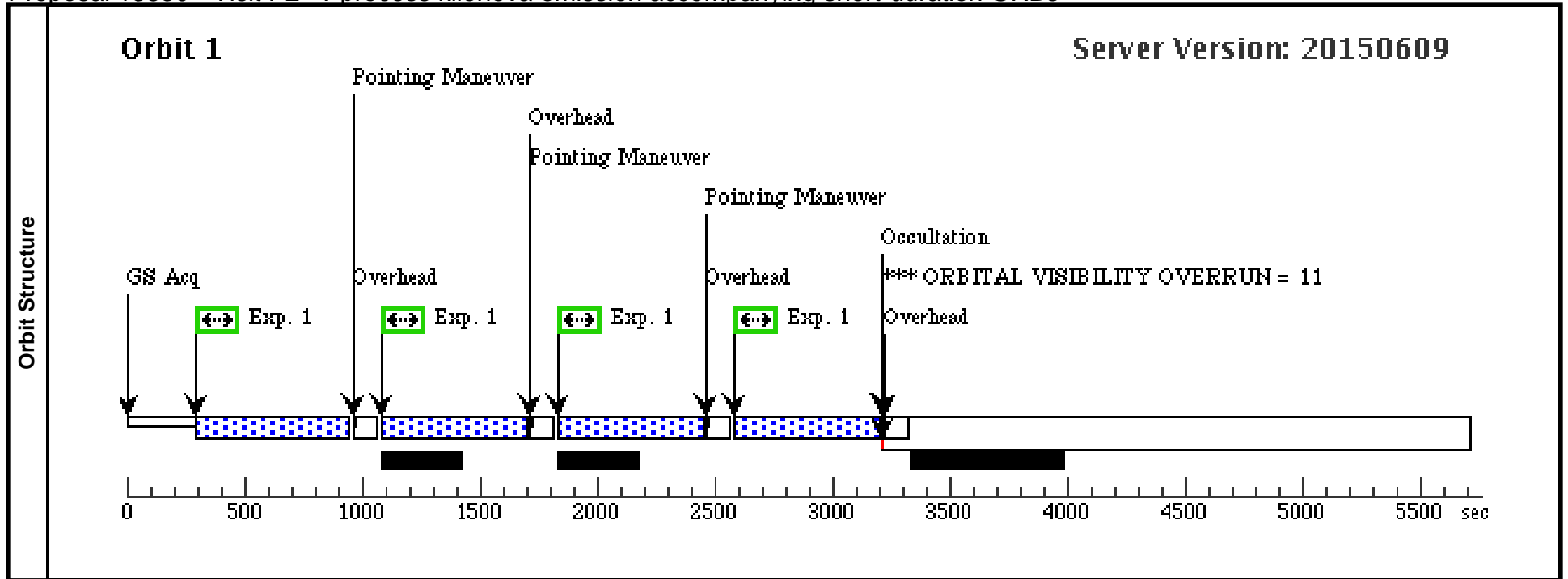
| | | | | | | | | | | | |
|------------------------|--|--|-----------------|-----------------------------|----------------------|---|----------------------|-------------------------------------|--|------------------|--------------|
| Visit | Proposal 13830, Visit P1, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit P1) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F475W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit P1 (3) | 700 Secs (2496 Secs) | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 1)] | | [1] |
| | | | | | | | | | [=>624.0 Secs (Pattern 2)] | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 3)] | | |
| | | | | | | | | | [=>624.0 Secs (Pattern 4)] | | |



Proposal 13830 - Visit P2 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:58 GMT 2015

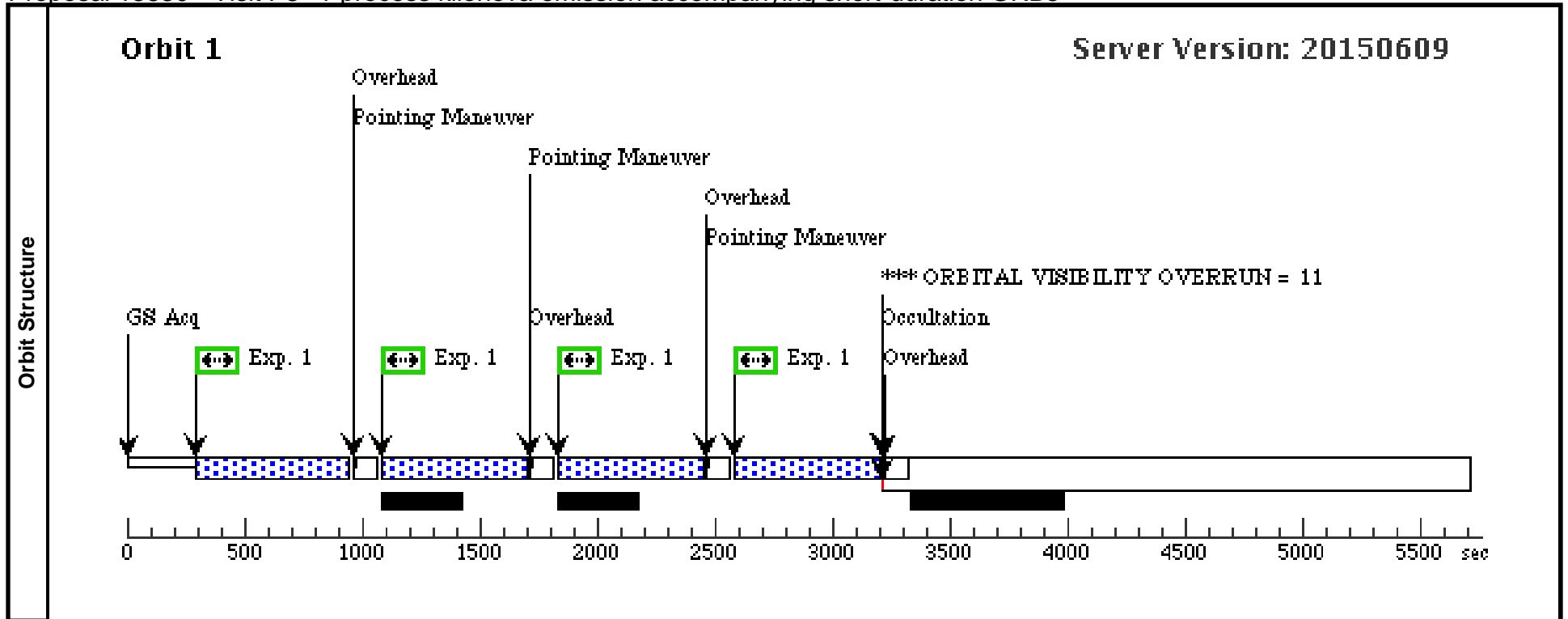
| | | | | | | | | | | | |
|------------------------|--|--|-----------------|-----------------------------|----------------------|---|----------------------|-------------------------------------|--|------------------|--------------|
| Visit | Proposal 13830, Visit P2, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit P2) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit P2 (3) | 700 Secs (2496 Secs) [=>624.0 Secs (Pattern 1)] [=>624.0 Secs (Pattern 2)] [=>624.0 Secs (Pattern 3)] [=>624.0 Secs (Pattern 4)] | | [1] |



Proposal 13830 - Visit P3 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

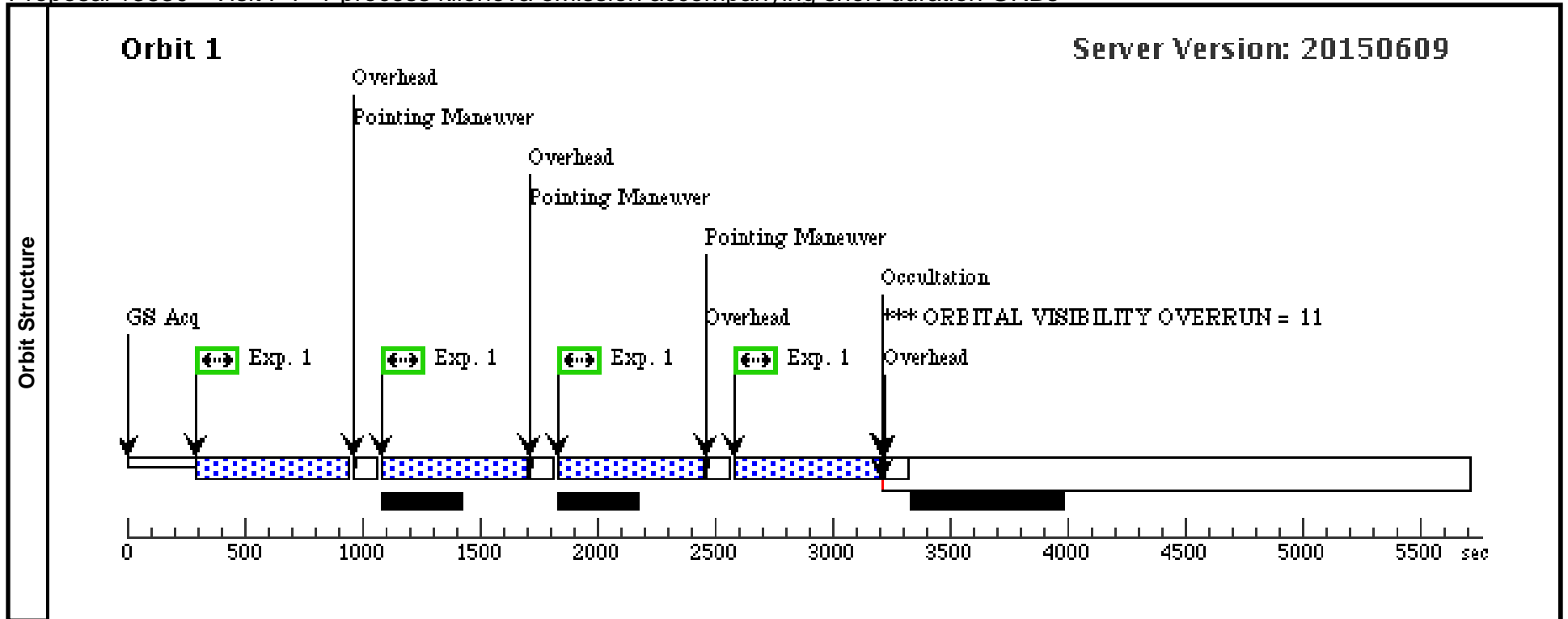
| | | | | | | | | | | | |
|------------------------|--|--|-----------------|-----------------------------|----------------------|---|----------------------|-------------------------------------|--|------------------|--------------|
| Visit | Proposal 13830, Visit P3, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit P3) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | Criteria | Description | | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F814W | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit P3 (3) | 700 Secs (2496 Secs) [=>624.0 Secs (Pattern 1)] [=>624.0 Secs (Pattern 2)] [=>624.0 Secs (Pattern 3)] [=>624.0 Secs (Pattern 4)] | | [1] |



Proposal 13830 - Visit P4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

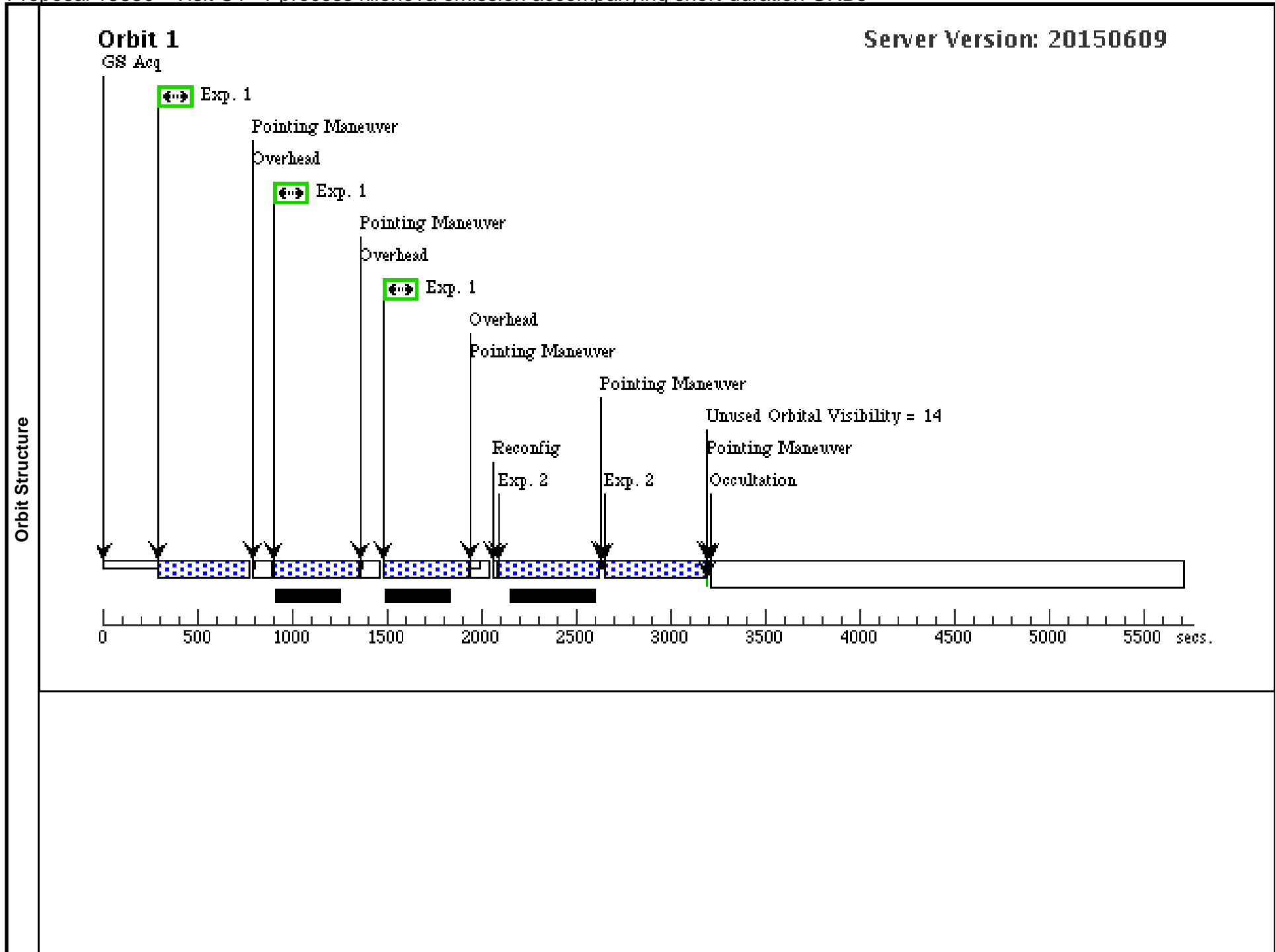
| | | | | | | | | | | | |
|------------------------|--|--|---------------|-----------------------------|--|---|---------------------|----------------------|-------------------------------------|--|--------------|
| Visit | Proposal 13830, Visit P4, implementation Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | | |
| | (Visit P4) Warning (Orbit Planner): ORBITAL VISIBILITY OVERRUN (Exposure 1 (Pattern 3, Exps 1-1 in Visit P4)) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser | | | | | | | | | | |
| Diagnosics | | | | | | | | | | | |
| | | | | | | | | | | | |
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | | | | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | | (1) | |
| Generic Targets | # | Name | | Criteria | | Description | | | | | |
| | (1) | SGRB1 | | SGRB | | X-RAY EMITTER | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (1) SGRB1 | | WFC3/UVIS, ACCUM, UVIS2 | | F850LP | | POS TARG -60,-30 | Pattern 3, Exps 1-1 in Visit P4 (3) | 700 Secs (2496 Secs) [=>624.0 Secs (Pattern 1)] [=>624.0 Secs (Pattern 2)] [=>624.0 Secs (Pattern 3)] [=>624.0 Secs (Pattern 4)] | [1] |

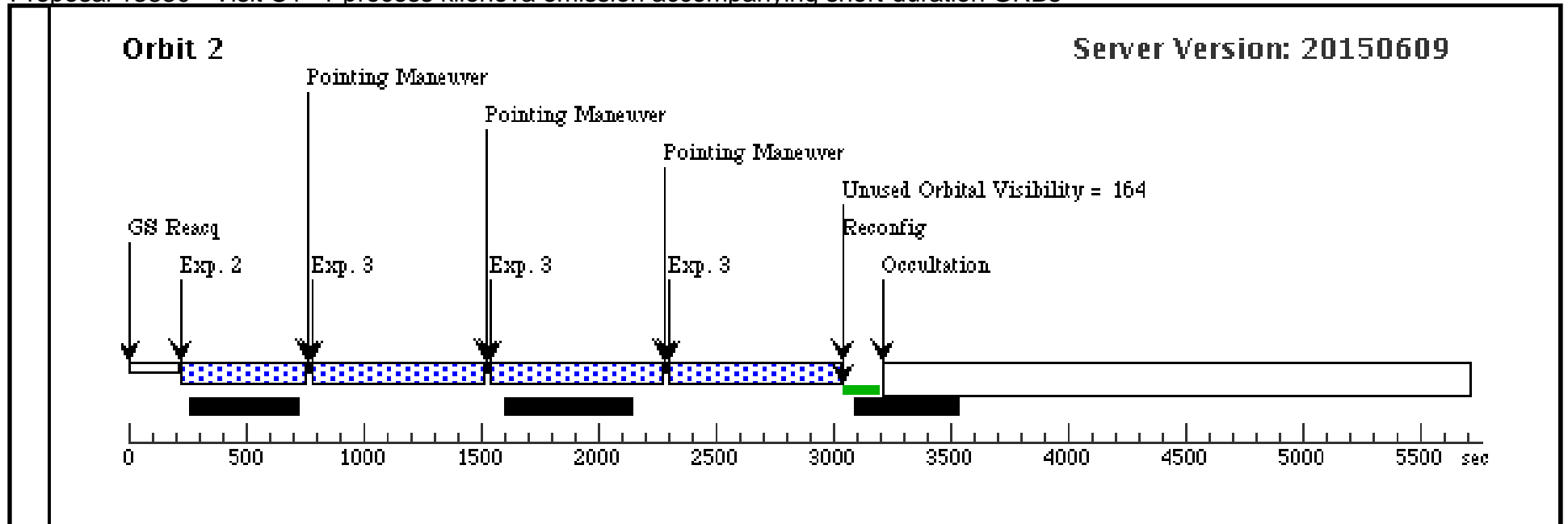


Proposal 13830 - Visit C1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | Proposal 13830, Visit C1, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|-----------------|--|--|-------------------------|-------------------------|-------------------------------|-------------------------------|-------------------------------------|--|--|-------|
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| Patterns | (4) | Pattern Type=WFC3-UVIS-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.135 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false | | (1) | | | | | | |
| | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | | | |
| Generic Targets | # | Name | Criteria | Description | | | | | | |
| | (1) | SGRB1 | SGRB | X-RAY EMITTER | | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (1) SGRB1 | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 4, Exps 1-1 in Visit C1 (4) | 450 Secs (1350 Secs) | |
| | | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F105W | SAMP-SEQ=STEP100; NSAMP=11 | | Pattern 5, Exps 2-2 in Visit C1 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] [2] | |
| 3 | | (1) SGRB1 | WFC3/IR, MULTIACCUM, IR | F160W | NSAMP=13; SAMP-SEQ=STEP100 | | Pattern 5, Exps 3-3 in Visit C1 (5) | 699.232615 Secs (2097.698 Secs) | | |
| | | | | | | | | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

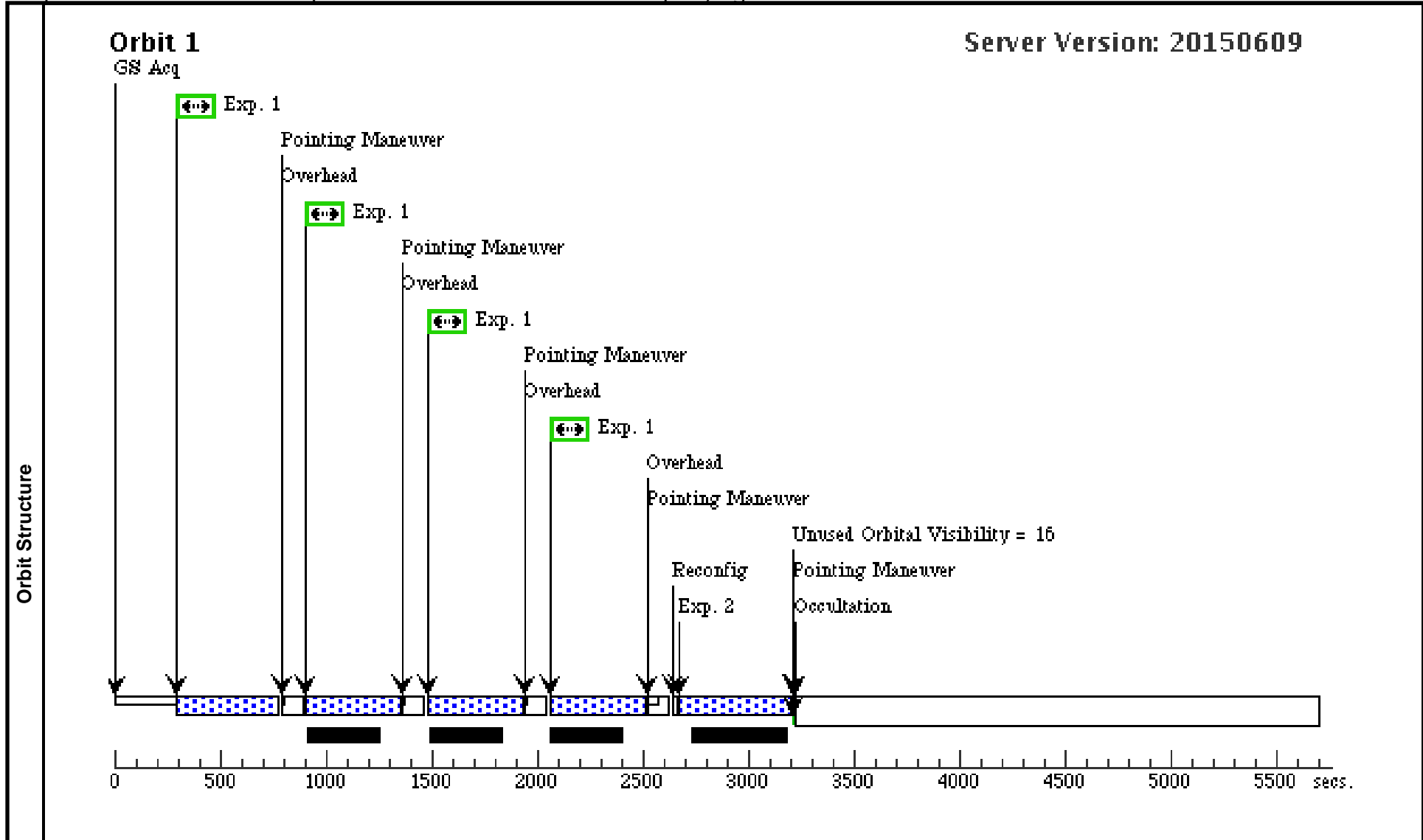


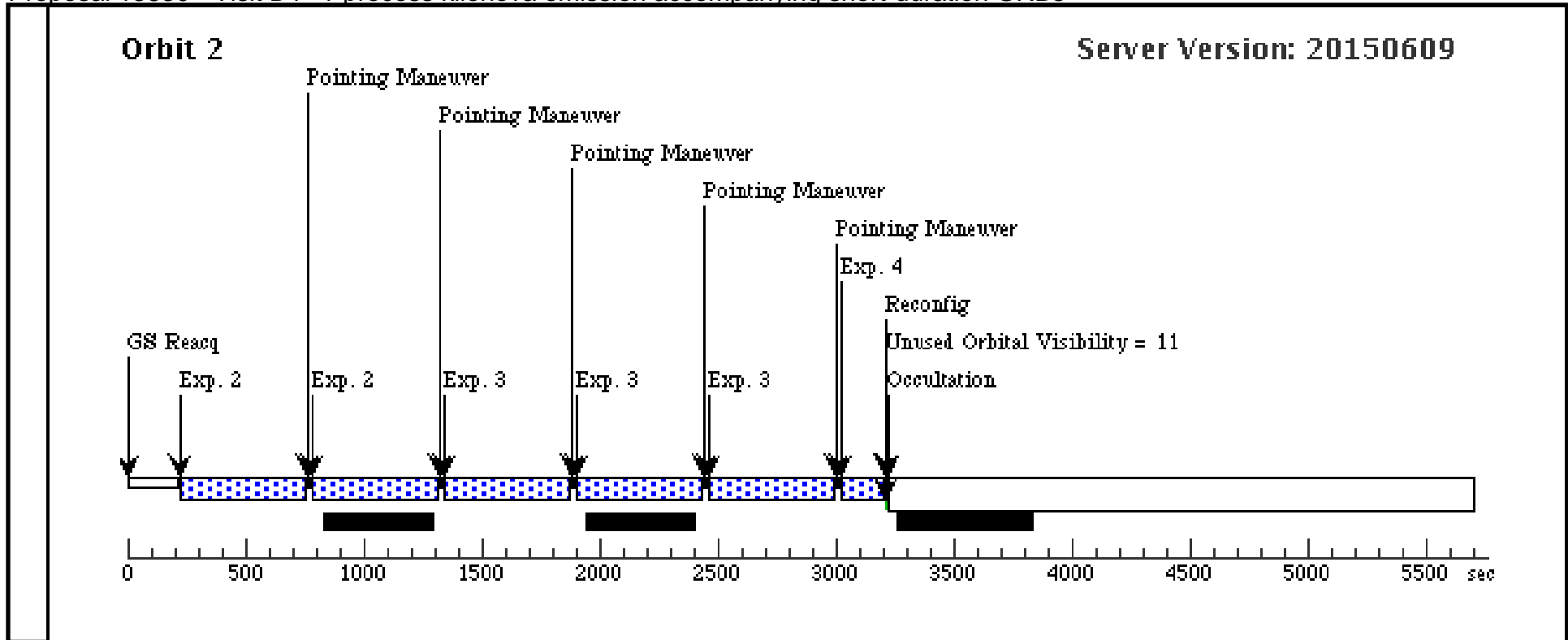


Proposal 13830 - Visit D1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | Proposal 13830, Visit D1, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: BEFORE 02-MAY-2015:00:00:00 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------------------------|-----------------------------------|------------------|---|--|------------|
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| Patterns | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | | | |
| | (6) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | (1) | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 6, Exps 1-1 i n Visit D1 (6) | 450 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |
| | 2 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP1 00; NSAMP=11 | | Pattern 5, Exps 2-2 i n Visit D1 (5) | 499.231969 Secs (1497.696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] [2] |
| | 3 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | NSAMP=11; SAMP-SEQ=STEP1 00 | | Pattern 5, Exps 3-3 i n Visit D1 (5) | 499.231969 Secs (1497.696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| 4 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP5 0; NSAMP=8 | | | 149.231128 Secs (149.231 Secs) [=>] | [2] | |





Proposal 13830 - Visit D2 - r-process kilonova emission accompanying short-duration GRBs

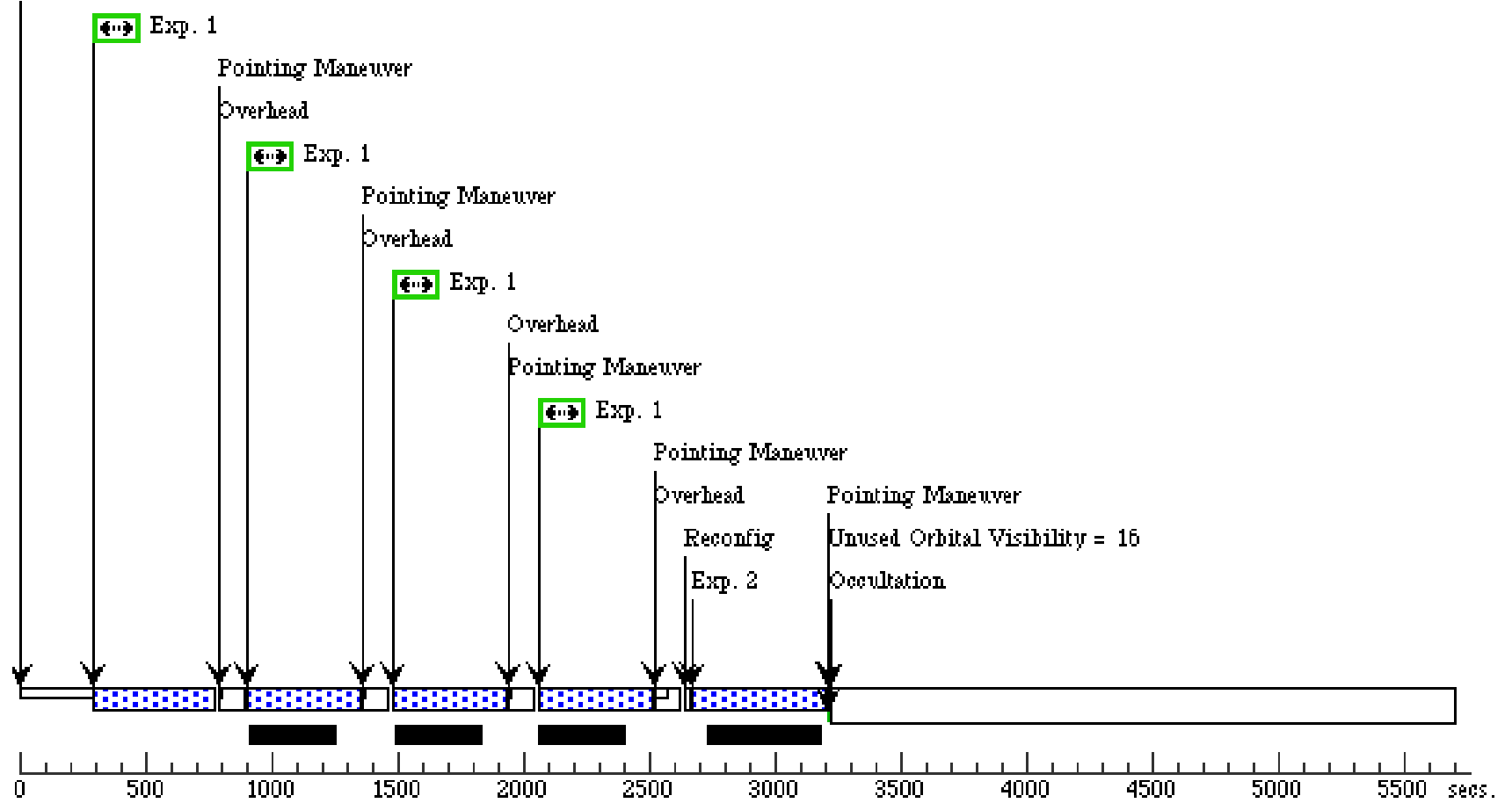
Sat Sep 12 01:12:59 GMT 2015

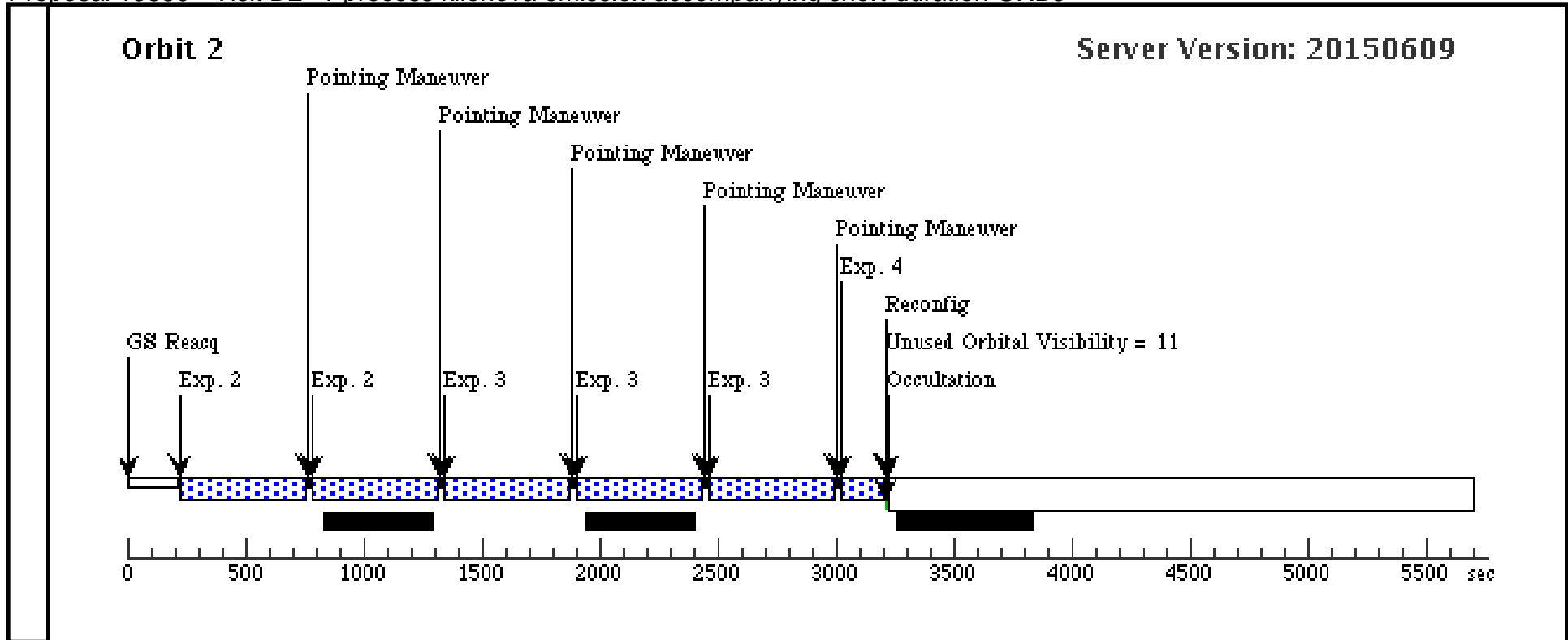
| Visit | Proposal 13830, Visit D2, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SAME ORIENT AS D1 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------------------------|-----------------------------------|------------------|---|--|------------|
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| Patterns | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | | | |
| | (6) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | (1) | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (3) GRB150424A | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 6, Exps 1-1 i n Visit D2 (6) | 450 Secs (1800 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] |
| | 2 | (3) GRB150424A | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP1 00; NSAMP=11 | | Pattern 5, Exps 2-2 i n Visit D2 (5) | 499.231969 Secs (1497.696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] [2] |
| | 3 | (3) GRB150424A | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | NSAMP=11; SAMP-SEQ=STEP1 00 | | Pattern 5, Exps 3-3 i n Visit D2 (5) | 499.231969 Secs (1497.696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| 4 | (3) GRB150424A | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP5 0; NSAMP=8 | | | 149.231128 Secs (149.231 Secs) [=>] | [2] | |

Orbit Structure

Orbit 1

GS Acq

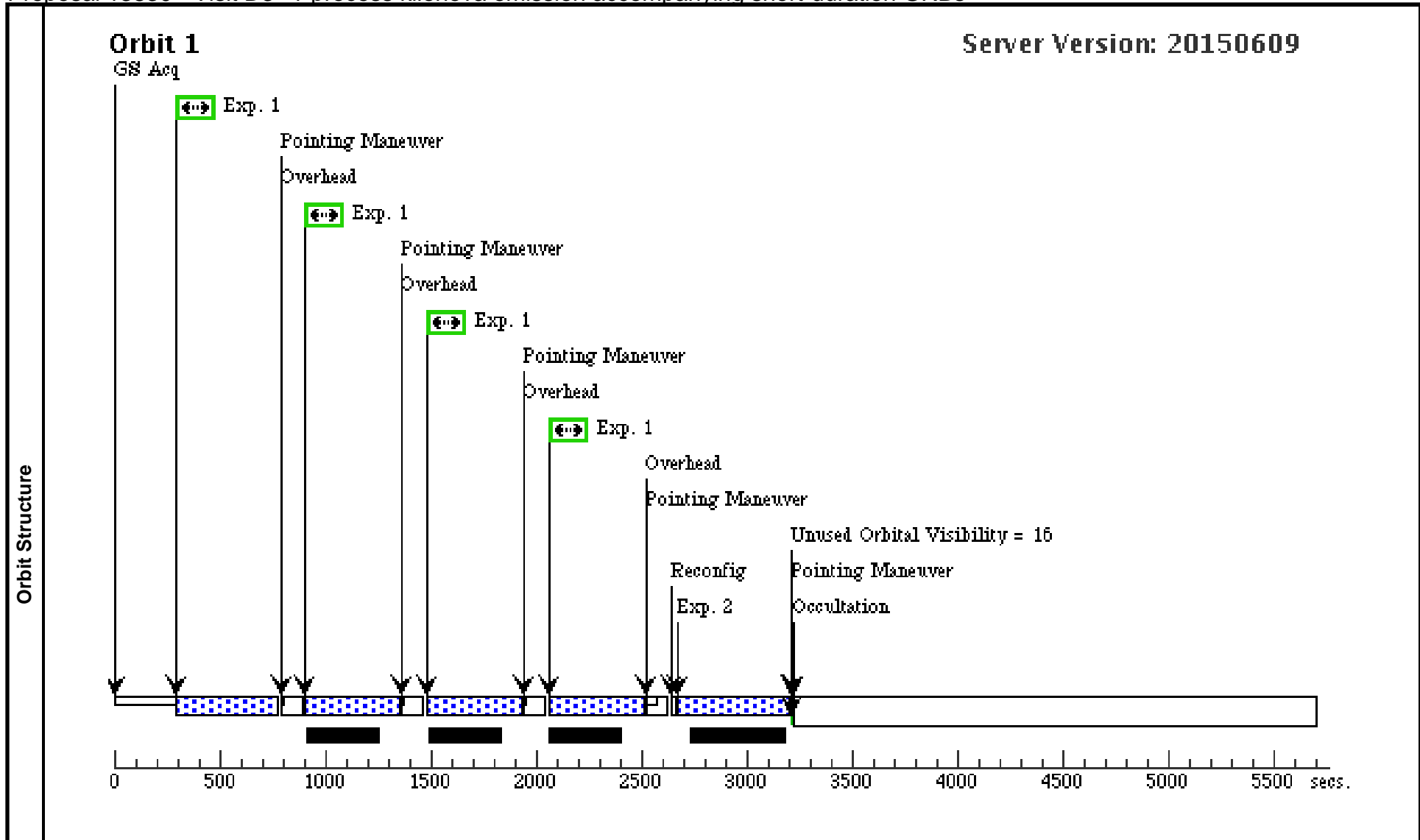


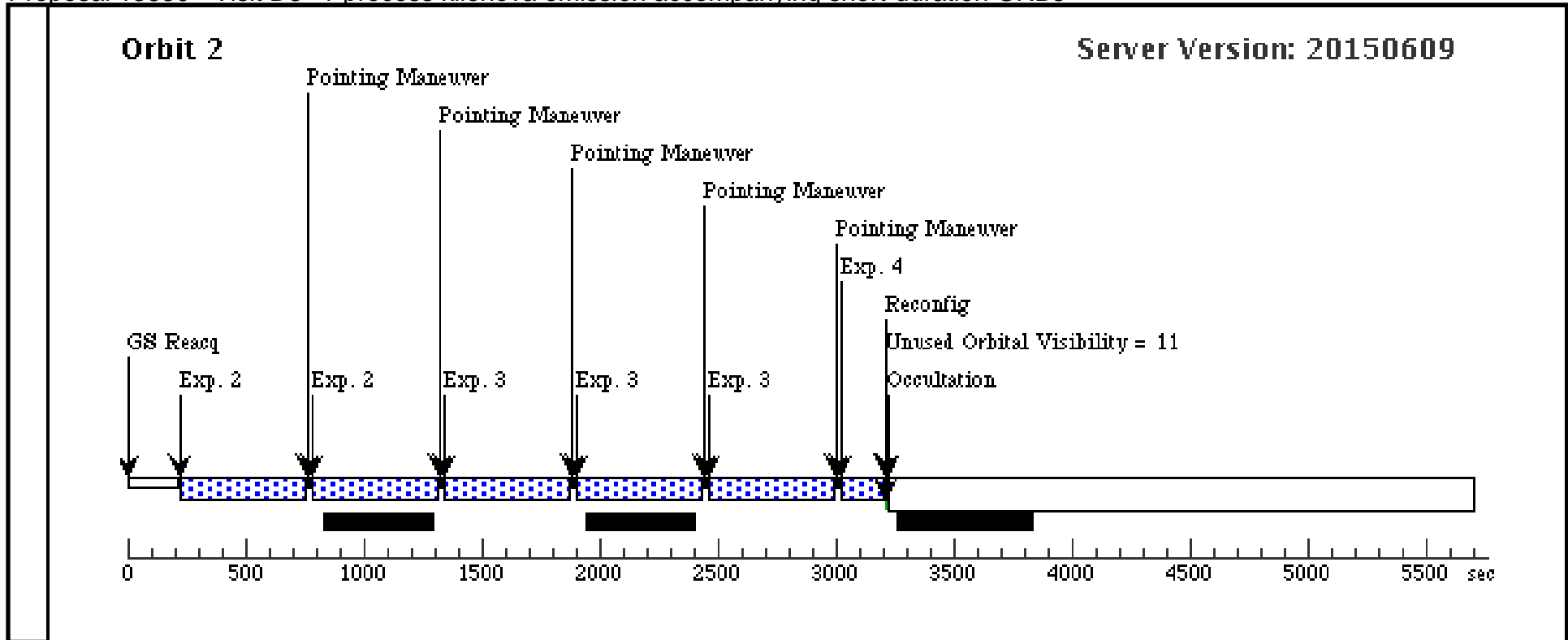


Proposal 13830 - Visit D3 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | Proposal 13830, Visit D3, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SAME ORIENT AS D1 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------|-------------------------------|------------------|-------------------------------------|---------------------------------|-------|
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| Patterns | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | | | |
| | (6) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | (1) | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 6, Exps 1-1 in Visit D3 (6) | 450 Secs (1800 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | |
| | | | | | | | | | [=>(Pattern 3)] | |
| | | | | | | | | | [=>(Pattern 4)] | |
| 2 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F125W | | SAMP-SEQ=STEP100; NSAMP=11 | | Pattern 5, Exps 2-2 in Visit D3 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | [2] |
| | | | | | | | | | [=>(Pattern 3)] | |
| 3 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | | NSAMP=11; SAMP-SEQ=STEP100 | | Pattern 5, Exps 3-3 in Visit D3 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [2] |
| | | | | | | | | | [=>(Pattern 2)] | |
| | | | | | | | | | [=>(Pattern 3)] | |
| 4 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | | SAMP-SEQ=STEP500; NSAMP=8 | | | 149.231128 Secs (149.231 Secs) | |
| | | | | | | | | | [=>] | [2] |



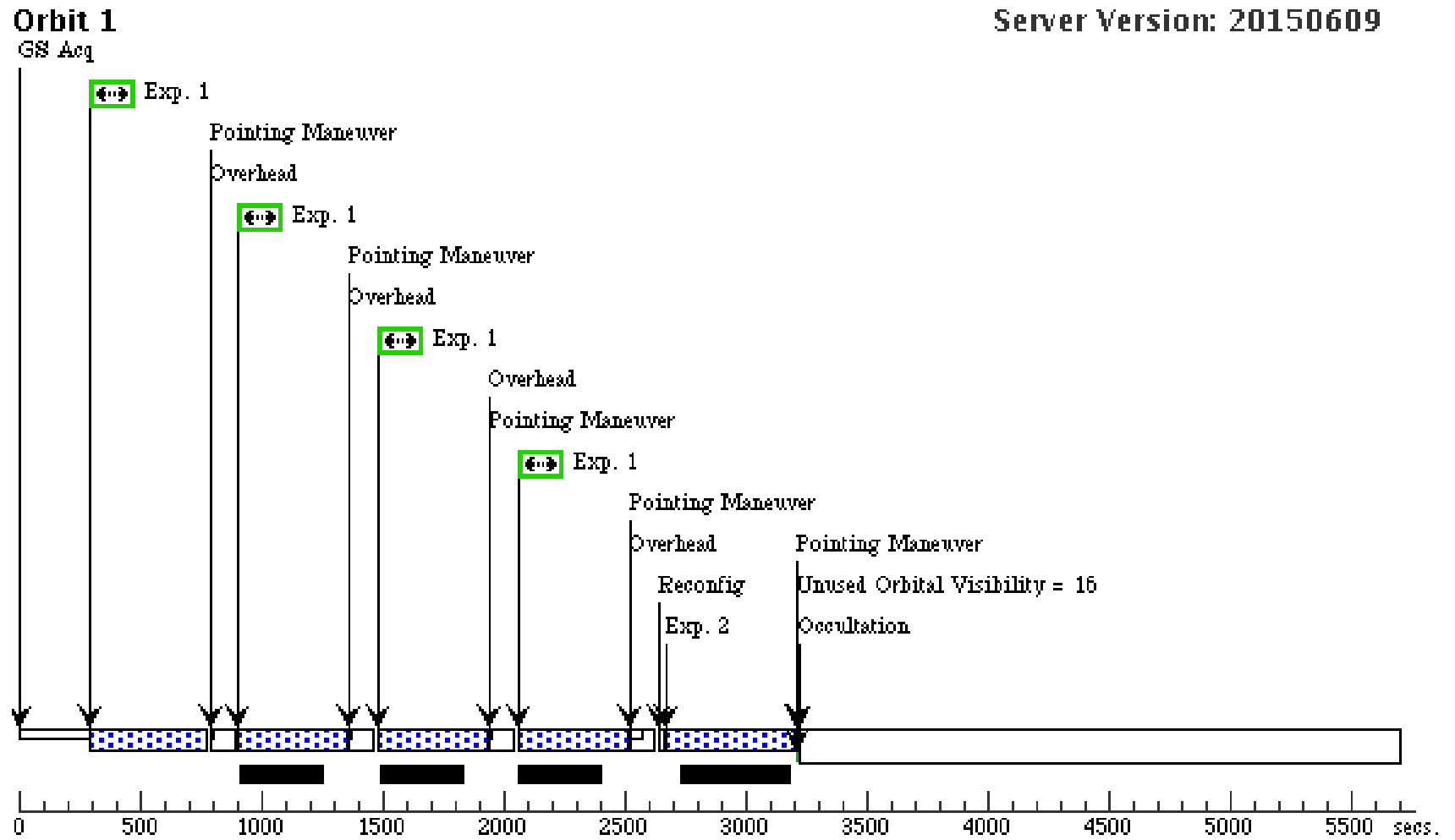


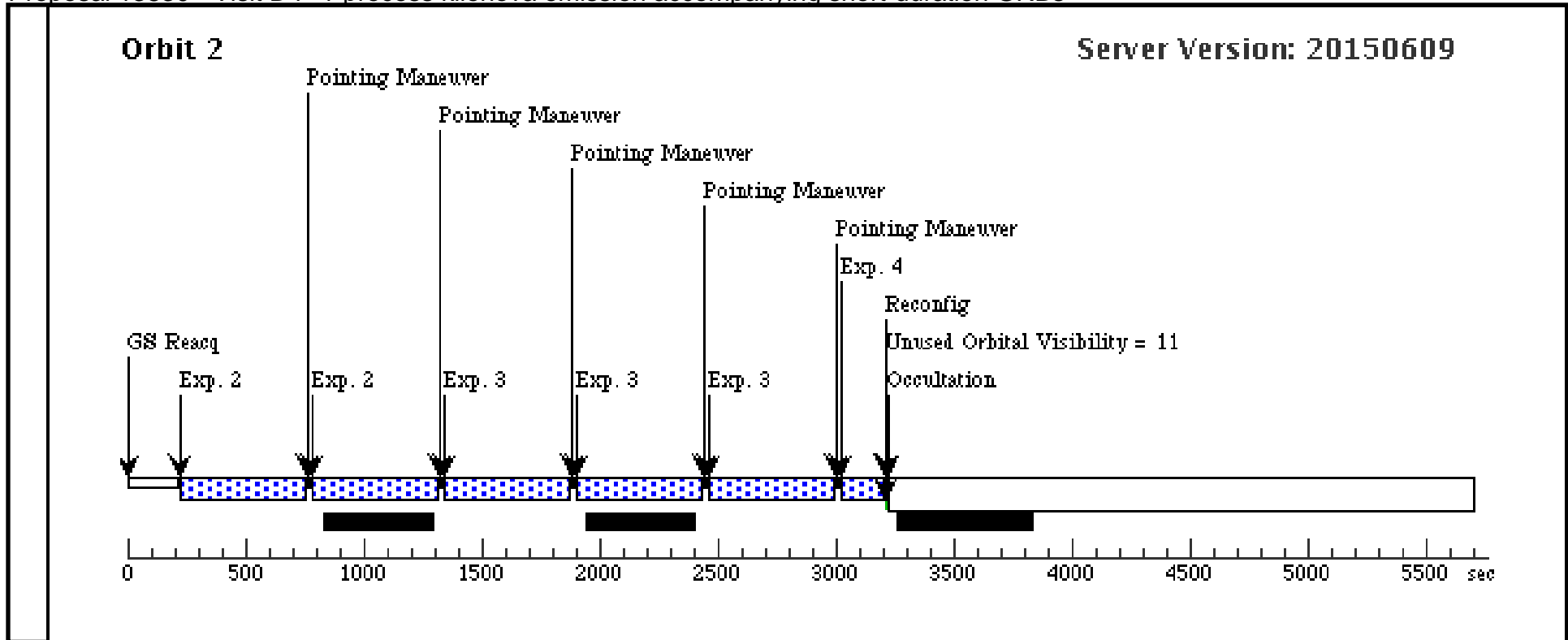
Proposal 13830 - Visit D4 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | Proposal 13830, Visit D4, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: (none) | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------|-------------------------------|------------------|-------------------------------------|---------------------------------|-------|
| | # | Primary Pattern | Secondary Pattern | Exposures | | | | | | |
| Patterns | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | | | |
| | (6) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | (1) | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 6, Exps 1-1 in Visit D4 (6) | 450 Secs (1800 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | |
| 2 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F125W | | SAMP-SEQ=STEP100; NSAMP=11 | | Pattern 5, Exps 2-2 in Visit D4 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | [2] |
| | | | | | | | | | [=>(Pattern 3)] | |
| 3 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | | NSAMP=11; SAMP-SEQ=STEP100 | | Pattern 5, Exps 3-3 in Visit D4 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [2] |
| | | | | | | | | | [=>(Pattern 2)] | |
| | | | | | | | | | [=>(Pattern 3)] | |
| 4 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | | SAMP-SEQ=STEP500; NSAMP=8 | | | 149.231128 Secs (149.231 Secs) | |
| | | | | | | | | | [=>] | [2] |

Orbit Structure

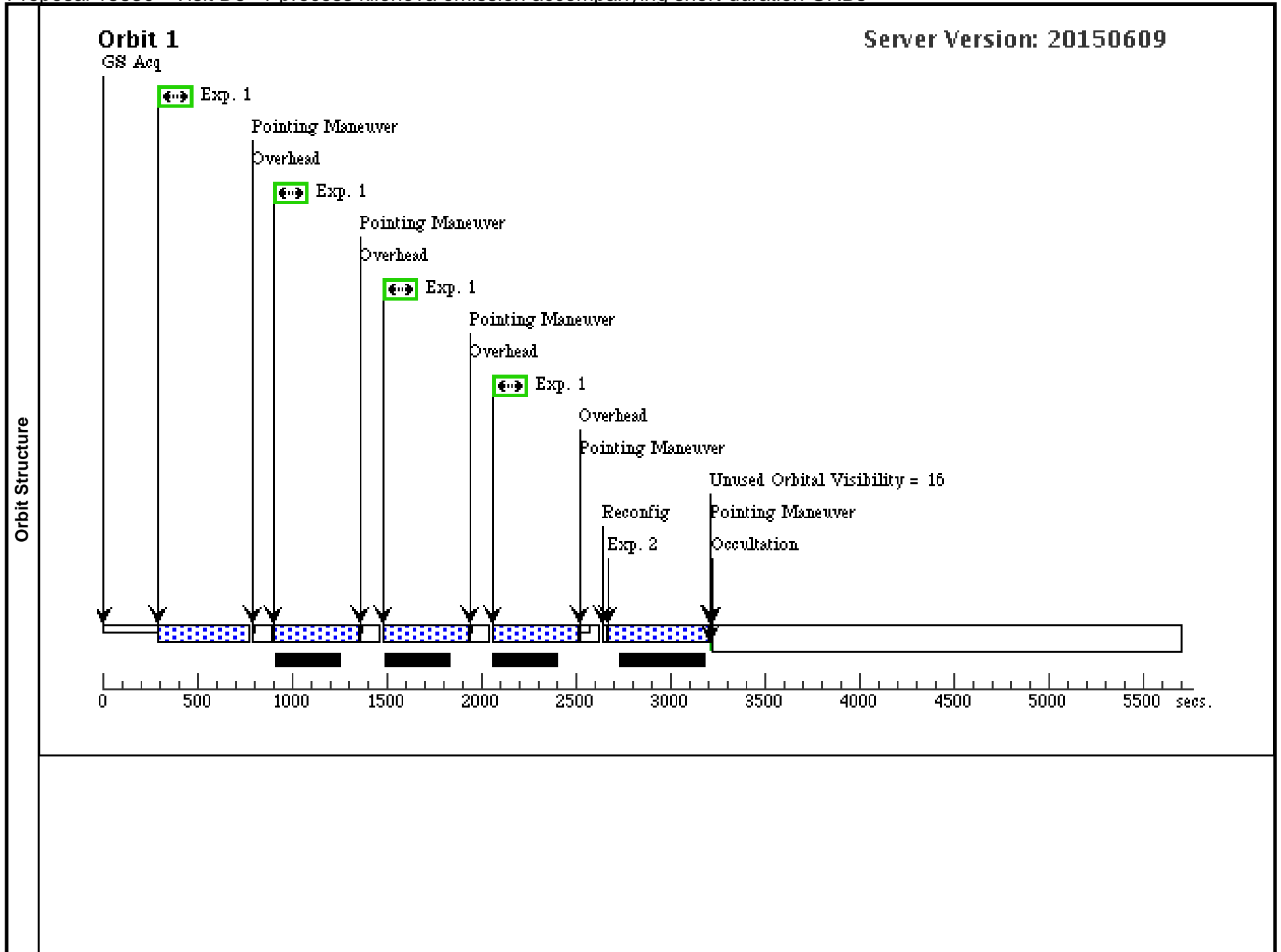


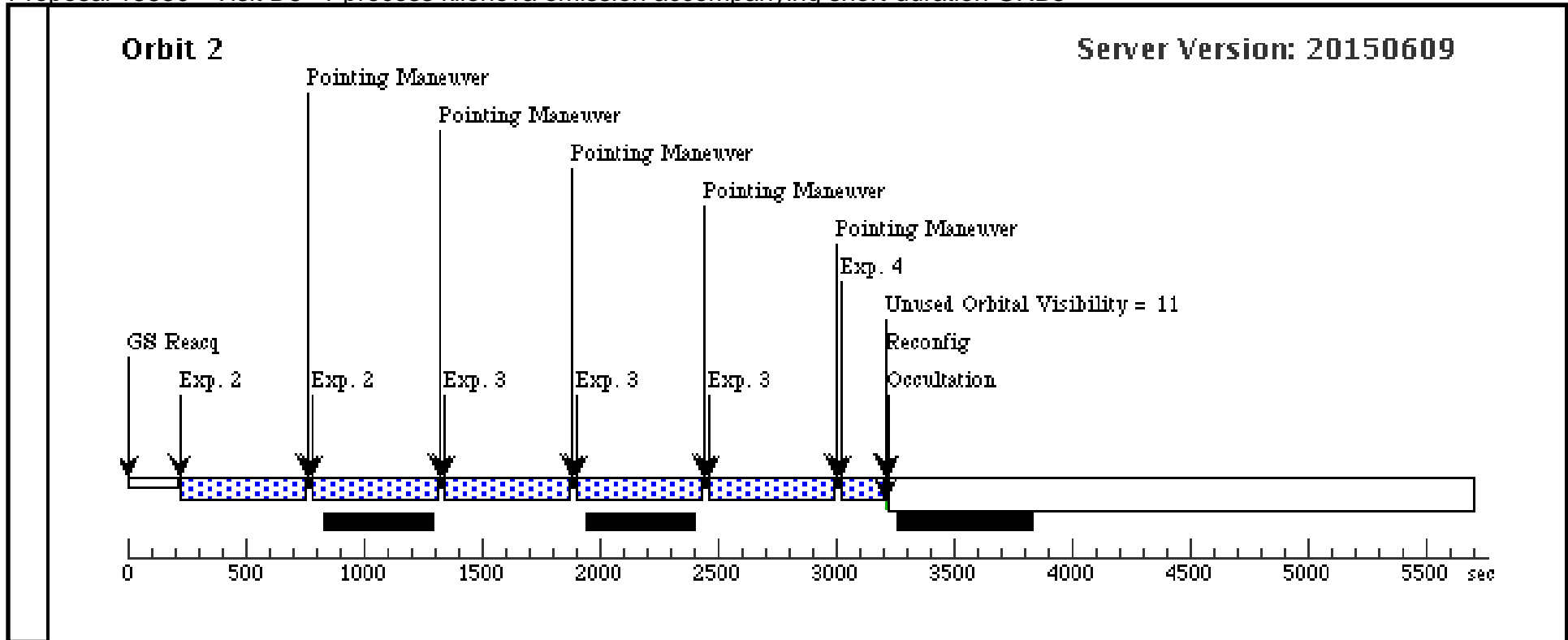


Proposal 13830 - Visit D5 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | Proposal 13830, Visit D5, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ON HOLD <i>On Hold Comments: Awaiting SGRB trigger</i> | | | | | | | | | |
|---------------|--|---|--|---|---------------|-------------------------------|------------------|-------------------------------------|---------------------------------|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (5) | Pattern Type=WFC3-IR-DITHER-LINE-3PT Purpose=DITHER Number Of Points=3 Point Spacing=0.605 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=41.788 Angle Between Sides= Center Pattern=false | | (2), (3) | | | | |
| | (6) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | (1) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | GRB150424A | RA: 10 09 13.3810 (152.3057542d) Dec: -26 37 51.50 (-26.63097d) Equinox: J2000 | | V=25+/-2 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | | (3) GRB150424A | WFC3/UVIS, ACCUM, UVIS2 | F606W | | POS TARG -60,-30 | Pattern 6, Exps 1-1 in Visit D5 (6) | 450 Secs (1800 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | |
| | 2 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F125W | SAMP-SEQ=STEP100; NSAMP=11 | | Pattern 5, Exps 2-2 in Visit D5 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [1] |
| | | | | | | | | | [=>(Pattern 2)] | [2] |
| | 3 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | NSAMP=11; SAMP-SEQ=STEP100 | | Pattern 5, Exps 3-3 in Visit D5 (5) | 499.231969 Secs (1497.696 Secs) | |
| | | | | | | | | | [=>(Pattern 1)] | [2] |
| | | | | | | | | | [=>(Pattern 2)] | |
| | | | | | | | | | [=>(Pattern 3)] | |
| | 4 | | (3) GRB150424A | WFC3/IR, MULTIACCUM, IR | F160W | SAMP-SEQ=STEP500; NSAMP=8 | | | 149.231128 Secs (149.231 Secs) | |
| | | | | | | | | | [=>] | [2] |





Proposal 13830 - Visit A1 - r-process kilonova emission accompanying short-duration GRBs

Sat Sep 12 01:12:59 GMT 2015

| Visit | | Proposal 13830, Visit A1, completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: ORIENT 60D TO 130 D; ORIENT 150D TO 220 D; ORIENT 240D TO 310 D; ORIENT 330D TO 40 D; BEFORE 20-FEB-2015:00:00:00 | | | | | | | | |
|---------------|----------------|---|---|--------------------------|----------------------------------|-----------------------|-------------------------------------|--|--|-------|
| Patterns | # | Primary Pattern | | | Secondary Pattern | | Exposures | | | |
| | (3) | Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112 | Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false | | | (2) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (2) | GRB150101B | RA: 12 32 5.0800 (188.0211667d) Dec: -10 56 3.16 (-10.93421d) Equinox: J2000 | | V=15 | Reference Frame: ICRS | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time (Total)/[Actual Dur.] | Orbit |
| | 1 | (2) GRB150101B | WFC3/IR, MULTIACCUM, IR | F160W | NSAMP=10; SAMP-SEQ=STEP5 0 | | | Pattern 5, Exps 1-1 in Visit A1 (5) | 249.23203 Secs (747.696 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| 2 | (2) GRB150101B | WFC3/UVIS, ACCUM, UVIS | F606W | | | POS TARG -51,-67 | Pattern 3, Exps 2-2 in Visit A1 (3) | 350 Secs (1400 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] | [1] | |

