



16269 - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance Ladder Measurement of the Hubble Constant

Cycle: 28, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
David Jones (PI) (Contact)	University of California - Santa Cruz	david.jones@ucsc.edu
Dr. Adam Riess (CoI) (AdminUSPI)	The Johns Hopkins University	ariess@stsci.edu
Dr. Daniel Scolnic (CoI)	Duke University	daniel.scolnic@duke.edu
Prof. Ryan Foley (CoI)	University of California - Santa Cruz	foley@ucsc.edu
Dr. Wenlong Yuan (CoI)	The Johns Hopkins University	wenlongtamu@gmail.com
Dr. Stefano Casertano (CoI)	Space Telescope Science Institute	stefano@stsci.edu
Dr. Samantha Hoffmann (CoI)	Space Telescope Science Institute	slhoffmann@stsci.edu
Prof. Lucas M. Macri (CoI)	Texas A & M University	lmacri@tamu.edu
Prof. Alex V. Filippenko (CoI)	University of California - Berkeley	alex@astro.berkeley.edu
Mr. Cesar Rojas-Bravo (CoI)	University of California - Santa Cruz	crojasbr@ucsc.edu
Dr. Charles Kilpatrick (CoI)	Northwestern University	ckilpatrick@northwestern.edu

VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:18.0	yes
02	(3) NGC-7038	WFC3/UVIS	2	06-Sep-2022 17:00:20.0	yes
03	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:21.0	yes

Proposal 16269 (STScI Edit Number: 28, Created: Tuesday, September 6, 2022 at 4:01:18 PM Eastern Standard Time) - Overview

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
04	(3) NGC-7038	WFC3/UVIS	2	06-Sep-2022 17:00:22.0	yes
05	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:23.0	yes
06	(3) NGC-7038	WFC3/UVIS	2	06-Sep-2022 17:00:24.0	yes
07	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:25.0	yes
08	(3) NGC-7038	WFC3/UVIS	2	06-Sep-2022 17:00:26.0	yes
09	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:27.0	yes
76	(3) NGC-7038	WFC3/UVIS	1	06-Sep-2022 17:00:27.0	yes
77	(3) NGC-7038	WFC3/UVIS	1	06-Sep-2022 17:00:28.0	yes
75	(3) NGC-7038	WFC3/IR	1	06-Sep-2022 17:00:29.0	yes
10	(3) NGC-7038	WFC3/UVIS	2	06-Sep-2022 17:00:29.0	yes
11	(3) NGC-7038	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:30.0	yes
12	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:31.0	yes
13	(8) NGC-105-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:32.0	yes
14	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:33.0	yes
15	(8) NGC-105-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:34.0	yes
16	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:35.0	yes
17	(8) NGC-105-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:36.0	yes
18	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:37.0	yes
19	(8) NGC-105-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:39.0	yes

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<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>
20	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:40.0	yes
21	(8) NGC-105-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:40.0	yes
22	(1) NGC-105 (8) NGC-105-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:41.0	yes
72	(8) NGC-105-UVIS	WFC3/UVIS	1	06-Sep-2022 17:00:42.0	yes
23	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:43.0	yes
24	(9) ESO-478-6-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:44.0	yes
25	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:45.0	yes
26	(9) ESO-478-6-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:46.0	yes
27	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:47.0	yes
28	(9) ESO-478-6-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:48.0	yes
29	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:49.0	yes
30	(9) ESO-478-6-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:50.0	yes
31	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:51.0	yes
81	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:52.0	yes
32	(9) ESO-478-6-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:53.0	yes
33	(2) ESO-478-6 (9) ESO-478-6-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:54.0	yes
34	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:55.0	yes

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<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>
35	(10) NGC-6956-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:56.0	yes
36	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:00:57.0	yes
74	(6) NGC-6956	WFC3/IR	1	06-Sep-2022 17:00:58.0	yes
37	(10) NGC-6956-UVIS	WFC3/UVIS	2	06-Sep-2022 17:00:59.0	yes
38	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:00.0	yes
39	(10) NGC-6956-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:01.0	yes
40	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:02.0	yes
41	(10) NGC-6956-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:03.0	yes
42	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:04.0	yes
43	(10) NGC-6956-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:04.0	yes
44	(6) NGC-6956 (10) NGC-6956-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:05.0	yes
45	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:06.0	yes
46	(11) NGC-976-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:08.0	yes
47	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:09.0	yes
48	(11) NGC-976-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:10.0	yes
49	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:11.0	yes
50	(11) NGC-976-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:12.0	yes
51	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:13.0	yes

<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>
52	(11) NGC-976-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:14.0	yes
53	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:14.0	yes
54	(11) NGC-976-UVIS	WFC3/UVIS	2	06-Sep-2022 17:01:16.0	yes
55	(7) NGC-976 (11) NGC-976-UVIS	WFC3/IR WFC3/UVIS	2	06-Sep-2022 17:01:17.0	yes
73	(7) NGC-976	WFC3/IR	1	06-Sep-2022 17:01:17.0	yes

118 Total Orbits Used

ABSTRACT

Tension in the Hubble constant (H_0) is reaching the point of no return, with nearly a dozen re-analyses and semi-independent measurements confirming that the present rate of cosmic expansion is faster than expected given early universe observations and the Λ CDM model. The most precise values of H_0 measured using the local distance ladder are now discrepant at the 4.4-sigma level with those inferred from the early universe. The H_0 tension is by far the most convincing current evidence for physics beyond Λ CDM, and could indicate dynamical dark energy, self-interacting neutrinos, or a new relativistic particle, among other possibilities.

Only one component of the distance ladder still lacks sufficient independent verification: Type Ia Supernova (SN Ia) distances. It is imperative that we test this final rung of the ladder before declaring a discovery of new physics. We propose a new survey to obtain Cepheid distances for five highly star-forming galaxies in the Hubble flow to build a two-rung distance ladder without SNe Ia that will be able to measure H_0 with 3.2% uncertainty and, if the measurement agrees with current estimates, could verify H_0 tension at the 3-sigma confidence level. Our sample galaxies are also SN Ia hosts, allowing these observations to increase the precision of the baseline distance ladder method. Unlike current approaches, this new avenue to refine H_0 is not limited by the low rate of SN Ia in the local volume. This program will therefore open a new window to achieving the highest priority science goal identified by the HST and Fundamental Physics Working Group: the best possible measurement of H_0 in the remaining years of HST.

OBSERVING DESCRIPTION

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Time-series observations of extragalactic Cepheids in five host galaxies, using WFC3/UVIS and /IR. We require SN Ia host galaxies at distances where the peculiar velocity due to local structure is subdominant to the Hubble flow. To ensure this proposal is a success, we use a conservative peculiar-velocity uncertainty of 250 km s^{-1} , the value measured from the dispersion of nearby SNe Ia after correcting for predicted local flows (Scolnic et al., 2018). These galaxies must also be luminous and star-forming to ensure that they yield a statistical sample of Cepheids with 30-day periods. Cepheids with 30-day periods are bright enough to be discovered, and for their periods and amplitudes to be measured, with 22 orbits per galaxy. We find a distance of $\sim 70 \text{ Mpc}$ to be the "sweet spot" where peculiar-velocity uncertainties will account for just $\sim 5\%$ in distance uncertainty but HST will still be able to detect Cepheids without an extremely expensive allocation of time. These galaxies must also fulfill the standard requirements for Cepheid calibrator galaxies: they must be face-on to limit crowding, with well-sampled SN Ia light curves that have low reddening and normal shape parameters such that they can yield accurate distances.

Previous HST allocations have shown that it requires just 22 orbits to measure accurate Cepheid distances owing to the efficiency and small pixel size of WFC3. The past investments of HST time to measure Cepheid distances have demonstrated well-tested, robust procedures for identifying and calibrating Cepheids. Compared to previous searches with WFPC2 and ACS, WFC3 searches have triple the efficiency of measuring such distances.

Cepheids with $P > 30$ days will have mean magnitudes of $m_{\text{F350LP}} < 27.2$ and $V, I, H < 27.2, 26.0, 26.0$ (Hoffmann et al., 2016). For these magnitudes, we can achieve $S/N > 10$ in each epoch with a single orbit of F350LP, 2.5 orbits each of F555W and F814W, and six orbits of F160W. $S/N > 10$ allows robust Cepheid detections without false-positive contamination (Newman et al., 1999). Mean VIH magnitudes (F555W, F814W and F160W) are necessary to correct each Cepheid for extinction and placed it on the P-L relation. V IH colors are also necessary to identify and remove Cepheids with large crowding residuals. Finally, 11 orbits per galaxy using the white-light filter F350LP with nonredundant baseline sampling will be sufficient to allow robustly measured locations and periods of $d = 70 \text{ Mpc}$, $P > 30$ day Cepheids. These strategies follow the publicly available observing sequences used by previous HST allocations (e.g., HST-GO proposal 15145). Measuring these distances for five galaxies will require $22 * 5 = 110$ total orbits.

The full program requires Keck observations from the ground (co-I Filippenko), to measure the metallicity and the metallicity gradient for these host galaxies.

We have requested through our program coordinator the option to swap one of our targets for an alternate target during the program if a new SN Ia explodes in a galaxy that would be a good candidate for this program. For this reason, if possible we would like to please request that of our five targets, observations of NGC 105 be scheduled last and NGC 6956 be scheduled second to last, as these are the most likely galaxies to be swapped

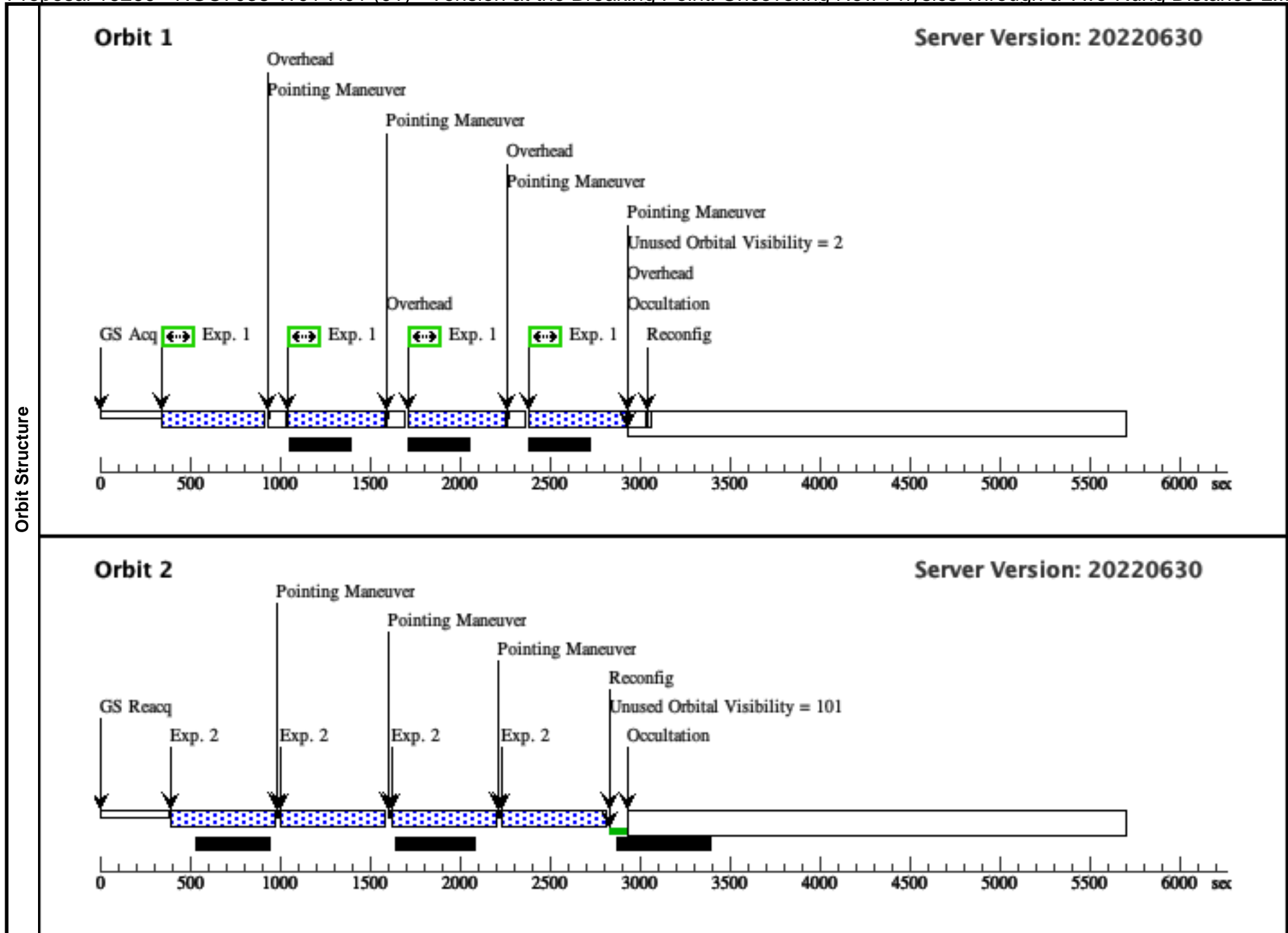
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for new targets. However, we do not require this if it makes scheduling more difficult; highly star-forming galaxies like these are very rare, so it is unlikely we will end up swapping any of our targets.

Reduced gyro observations could make scheduling the 11 epochs of non-redundant baseline sampling in F350LP more difficult, as this program requires a ~100 day baseline with similar orientations. However, our team could expand the range of available orientations if necessary with acceptable loss of Cepheid discovery area. It is also possible that the galaxy could be shifted within the UVIS field of view across different epochs to make different orientations acceptable. None of our targets are at high declinations where it appears that the field of regard constraints would be most problematic and we also would have the option of searching for acceptable backup targets that might be easier to schedule. If a 100 day baseline proved to be impossible, our team would explore the impact of different cadences for Cepheid discovery but we anticipate that our program would remain feasible.

Proposal 16269 - NGC7038-W01-H01 (01) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

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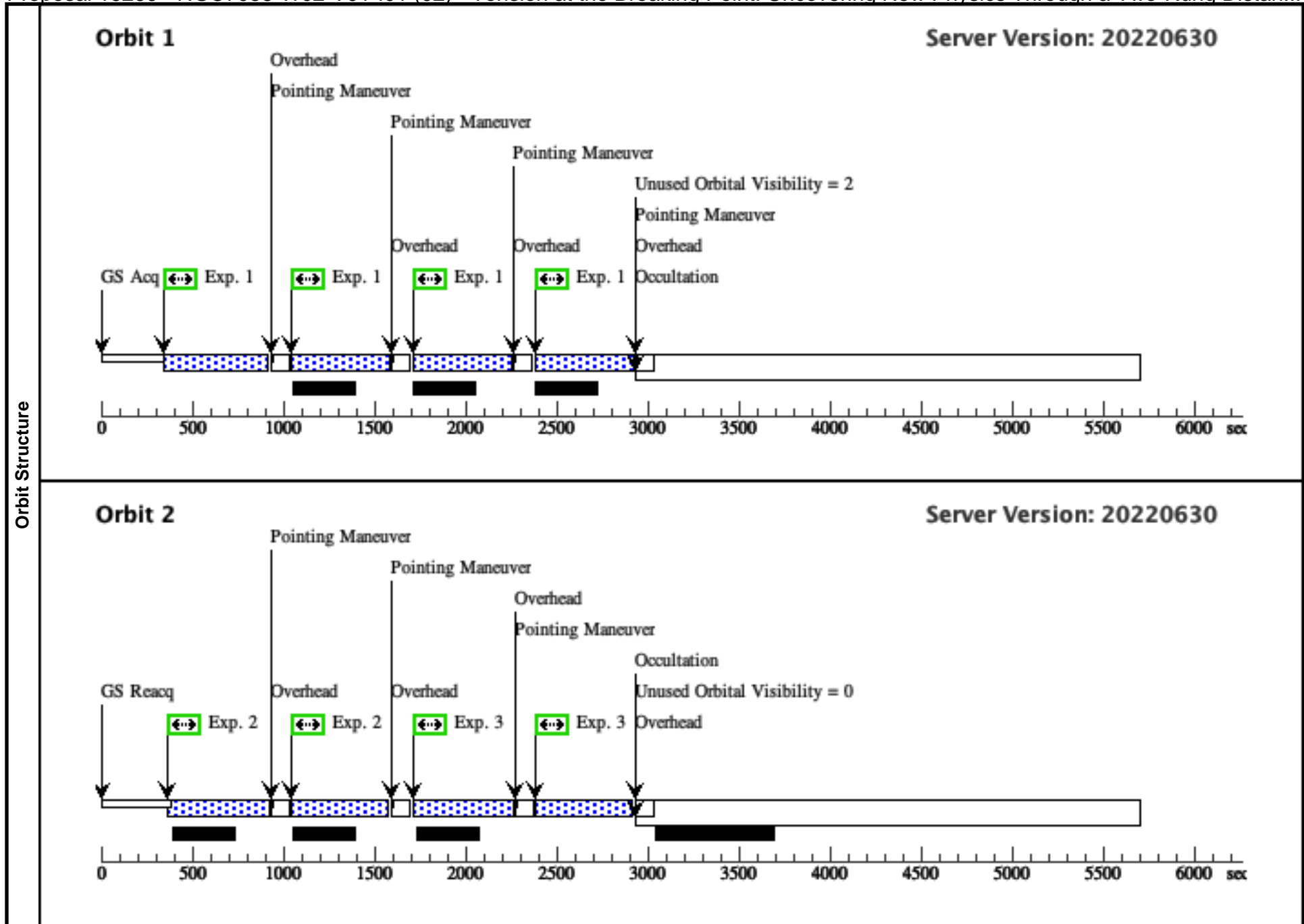
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Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)						
	(5)	Pattern Type=WFC3-IR-DITHER-BOX-MIN 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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W01-H01 (01) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPARS50		Pattern 5, Exps 2-2 in NGC7038-W01-H01 (01) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 16269 - NGC7038-W02-V01-I01 (02) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

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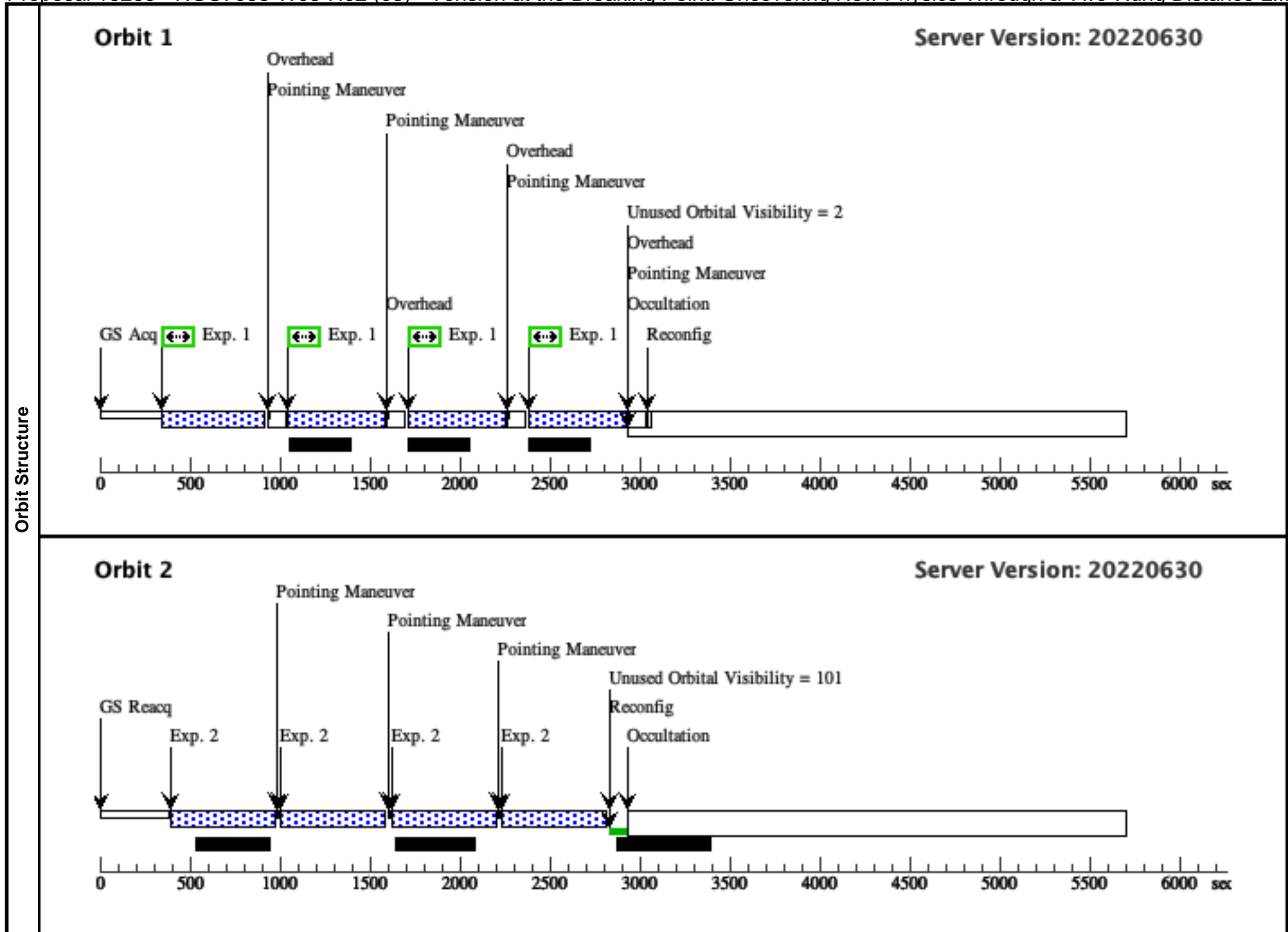
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Diagnosics										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
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(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 Point Spacing=0.173 Line Spacing=0.112	Coordinate Frame=POS-TARG Pattern Orientation=23.884 Angle Between Sides=81.785 Center Pattern=false	(1)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W02-V01-I01 (02) (3)	539 Secs (2156 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC7038-W02-V01-I01 (02) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC7038-W02-V01-I01 (02) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



Proposal 16269 - NGC7038-W03-H02 (03) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

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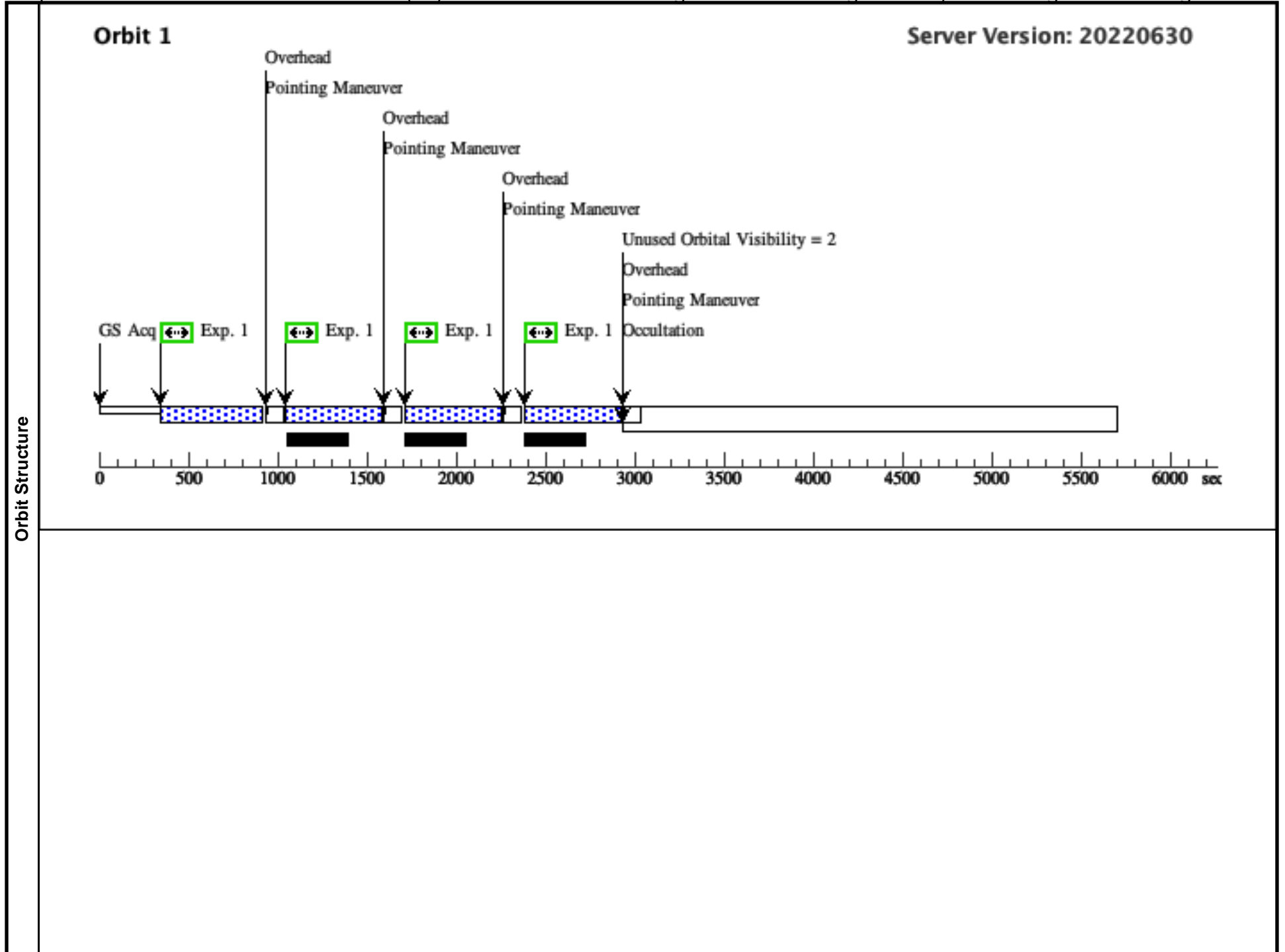
Visit	Proposal 16269, NGC7038-W03-H02 (03), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; AFTER_01 BY 18.88 D TO 19.88 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
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	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W03-H02 (03) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPARS50		Pattern 5, Exps 2-2 in NGC7038-W03-H02 (03) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]

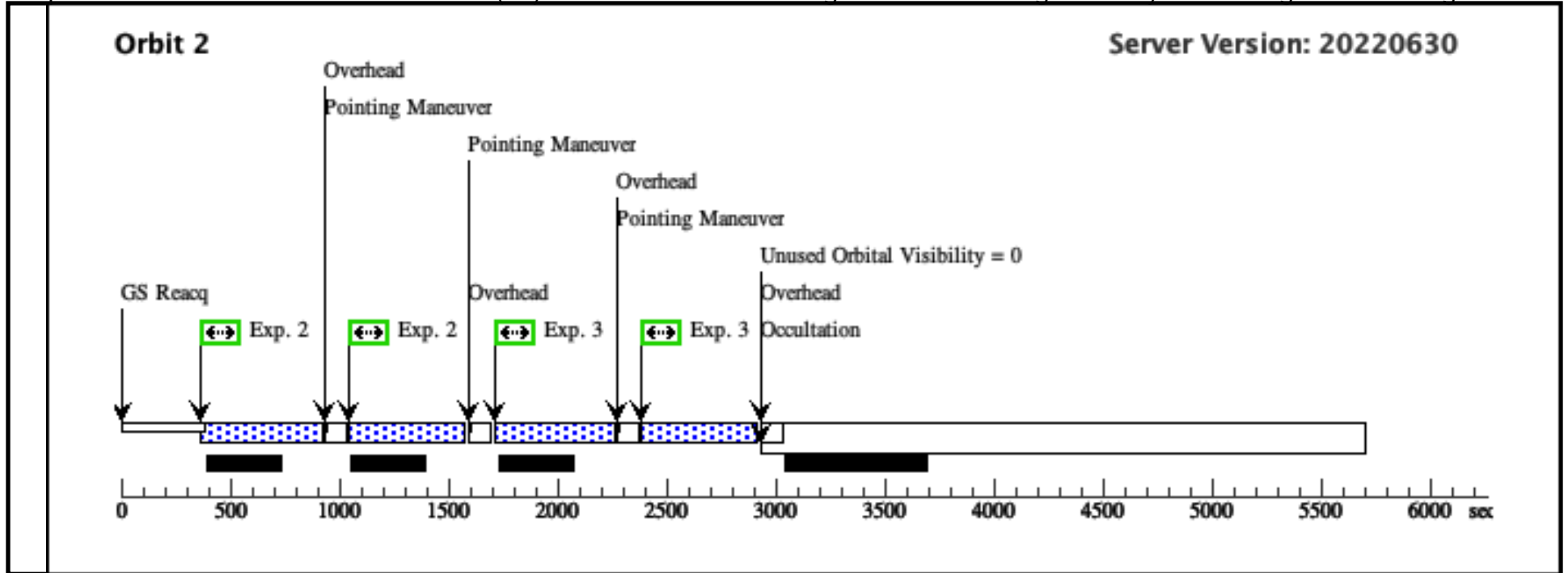


Proposal 16269 - NGC7038-W04-V02-I02 (04) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

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Visit	Proposal 16269, NGC7038-W04-V02-I02 (04), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 27.18 D TO 28.18 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC7038-W04-V02-I02 (04))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC7038-W04-V02-I02 (04))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W04-V02-I02 (04) (3)	539 Secs (2156 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC7038-W04-V02-I02 (04) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC7038-W04-V02-I02 (04) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

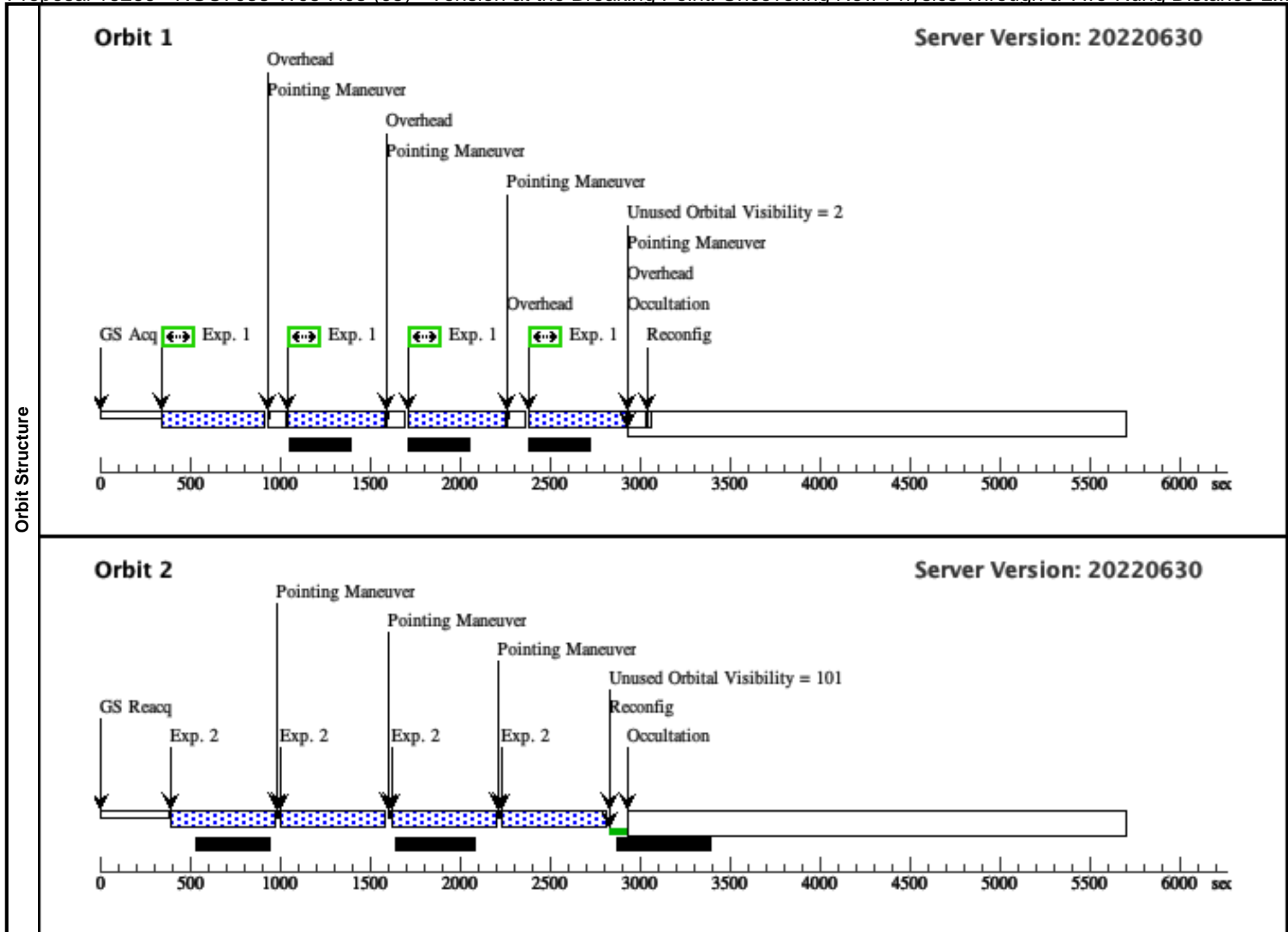




Proposal 16269 - NGC7038-W05-H03 (05) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:18 GMT 2022

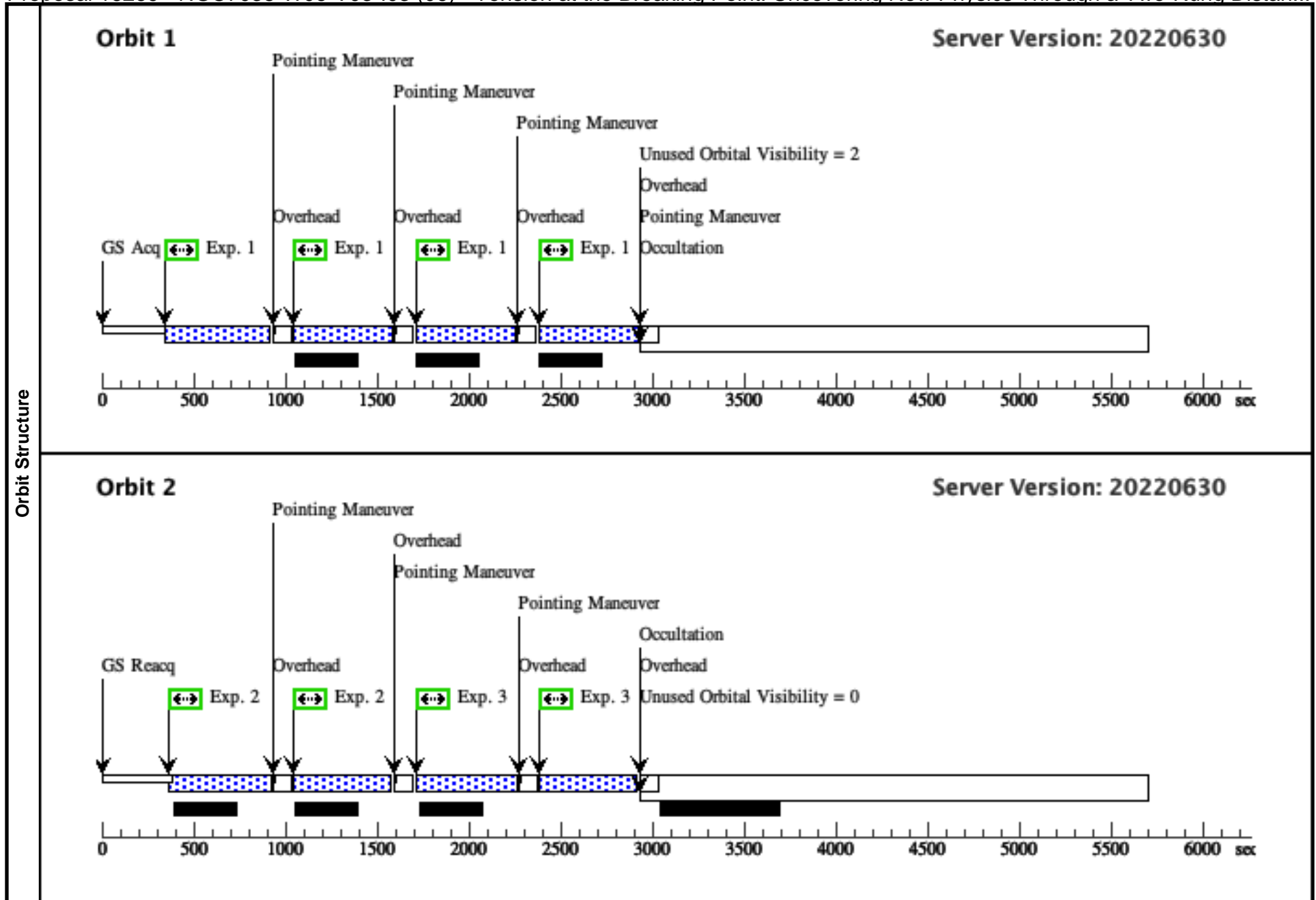
Visit	Proposal 16269, NGC7038-W05-H03 (05), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 01; AFTER 01 BY 36.63 D TO 37.63 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W05-H03 (05) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC7038-W05-H03 (05) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]



Proposal 16269 - NGC7038-W06-V03-I03 (06) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:18 GMT 2022

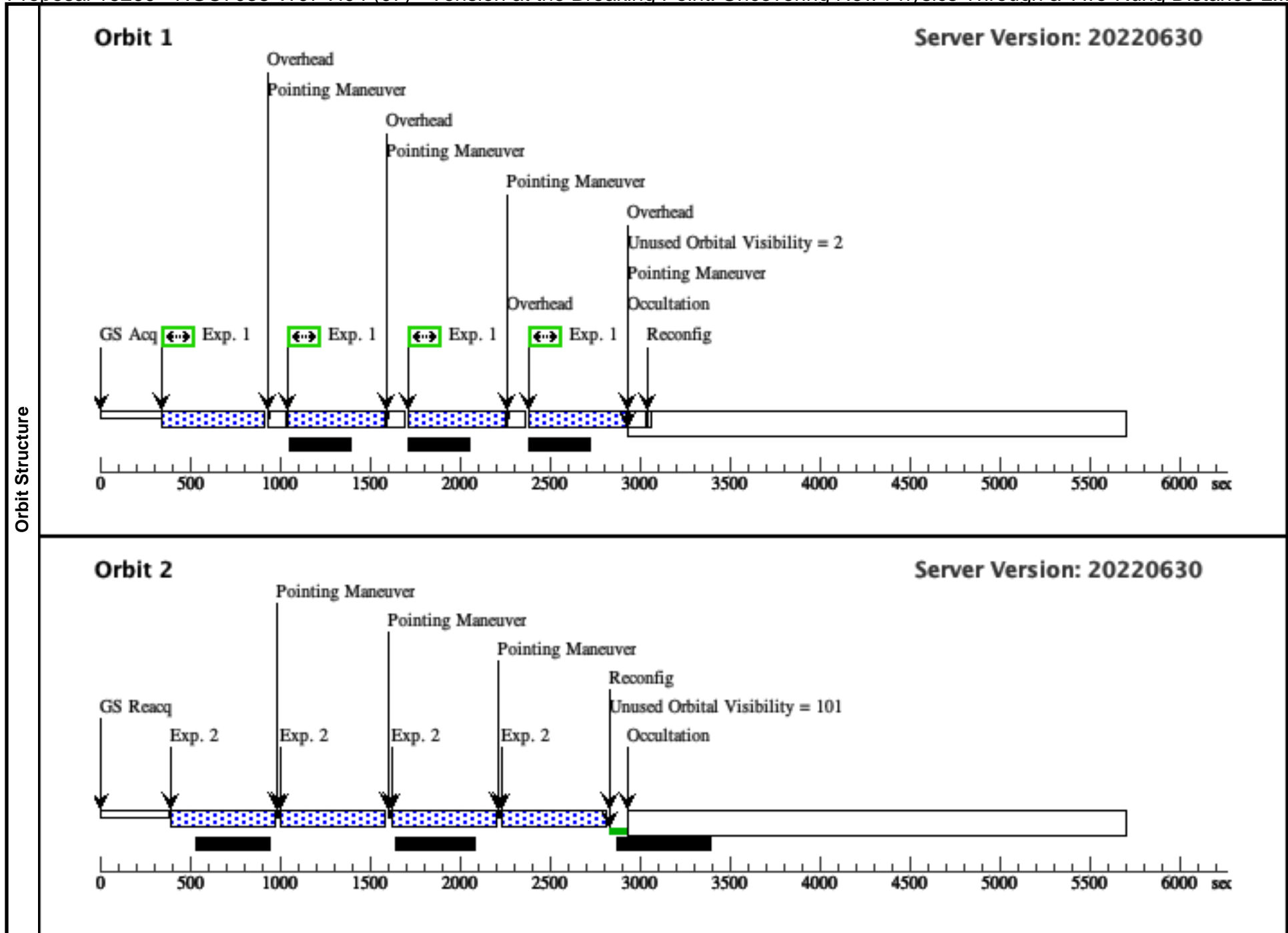
Visit	Proposal 16269, NGC7038-W06-V03-I03 (06), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC7038-W06-V03-I03 (06))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC7038-W06-V03-I03 (06))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W06-V03-I03 (06) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC7038-W06-V03-I03 (06) (1)	533 Secs (1066 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[2]
	3	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC7038-W06-V03-I03 (06) (1)	533 Secs (1066 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[2]



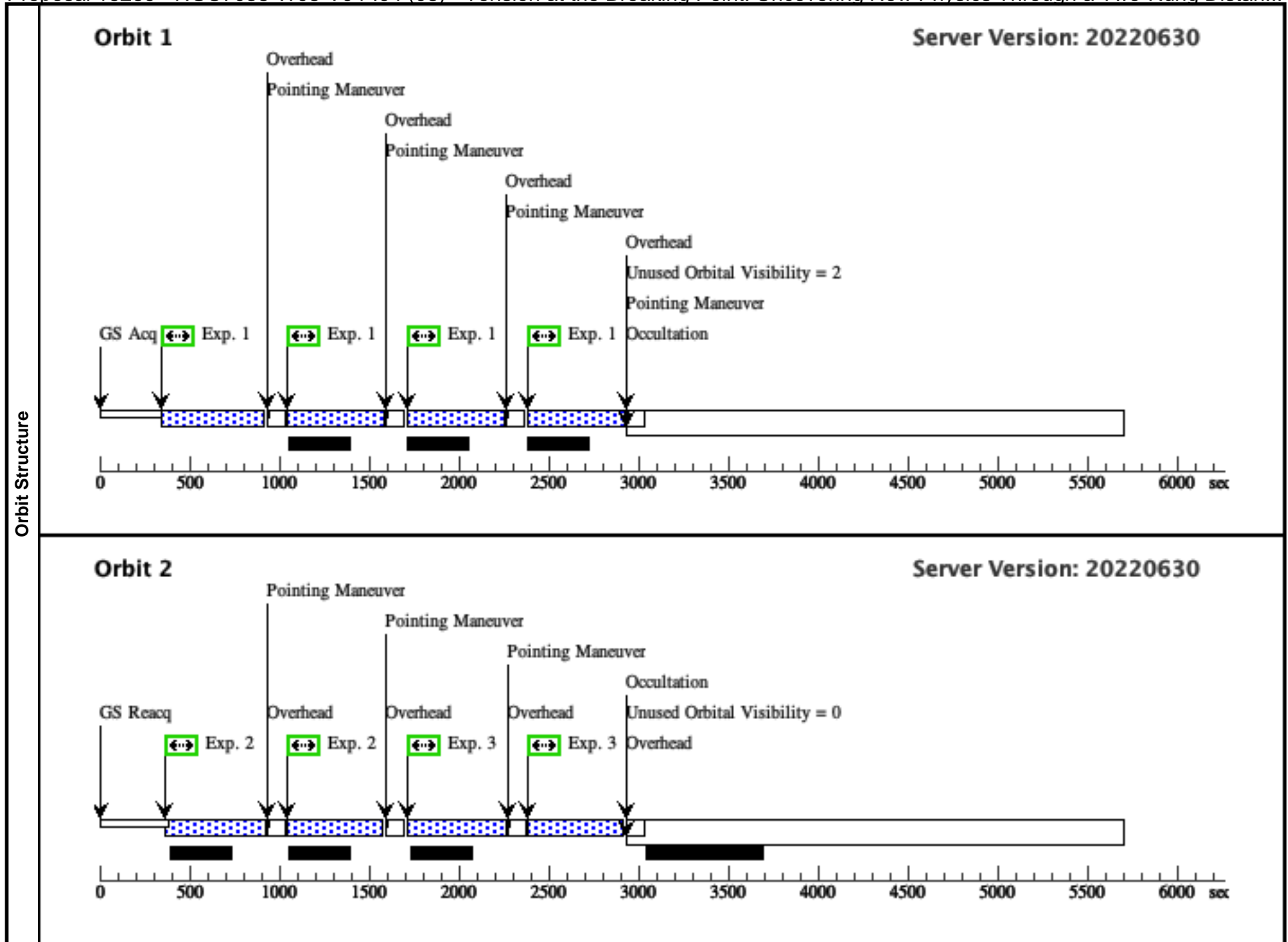
Proposal 16269 - NGC7038-W07-H04 (07) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:19 GMT 2022

Visit	Proposal 16269, NGC7038-W07-H04 (07), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W07-H04 (07) (3) 539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC7038-W07-H04 (07) (5) 552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]	



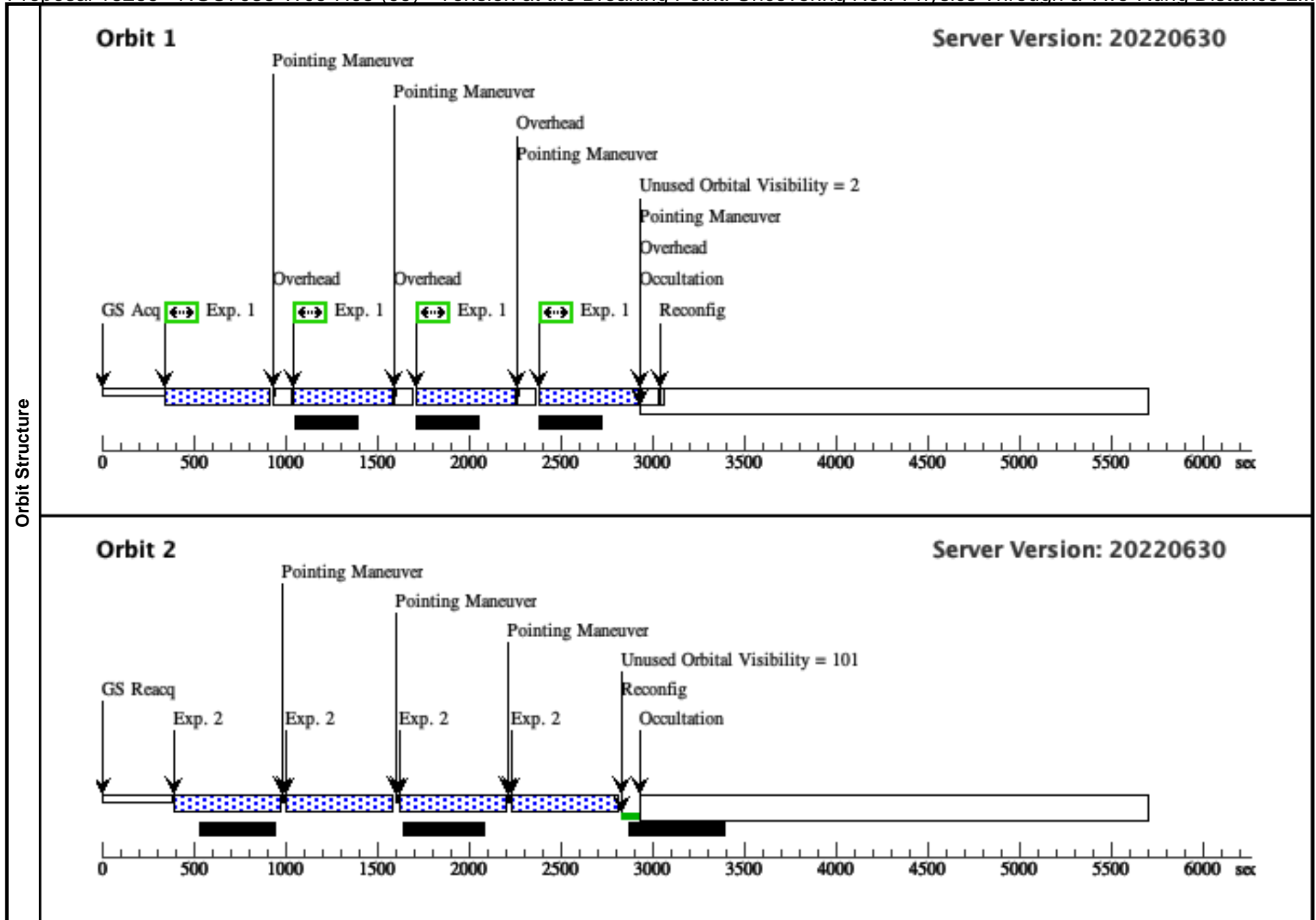
Visit	Proposal 16269, NGC7038-W08-V04-I04 (08), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; AFTER 01 BY 72.16 D TO 78.16 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC7038-W08-V04-I04 (08))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC7038-W08-V04-I04 (08))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnos										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W08-V04-I04 (08) (3)	539 Secs (2156 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC7038-W08-V04-I04 (08) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC7038-W08-V04-I04 (08) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



Proposal 16269 - NGC7038-W09-H05 (09) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:19 GMT 2022

Visit	Proposal 16269, NGC7038-W09-H05 (09), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; AFTER_01 BY 85.04 D TO 86.04 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W09-H05 (09) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPARS50		Pattern 5, Exps 2-2 in NGC7038-W09-H05 (09) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]

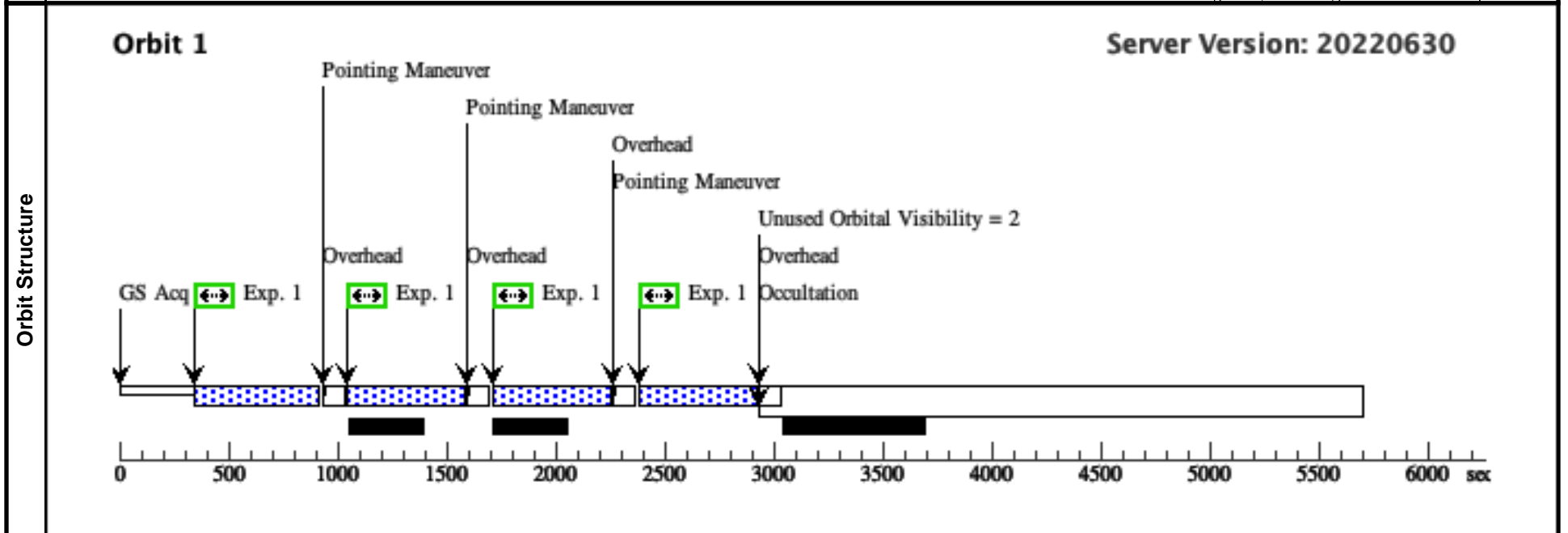


Visit	Proposal 16269, NGC7038-W12 (76), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%		

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

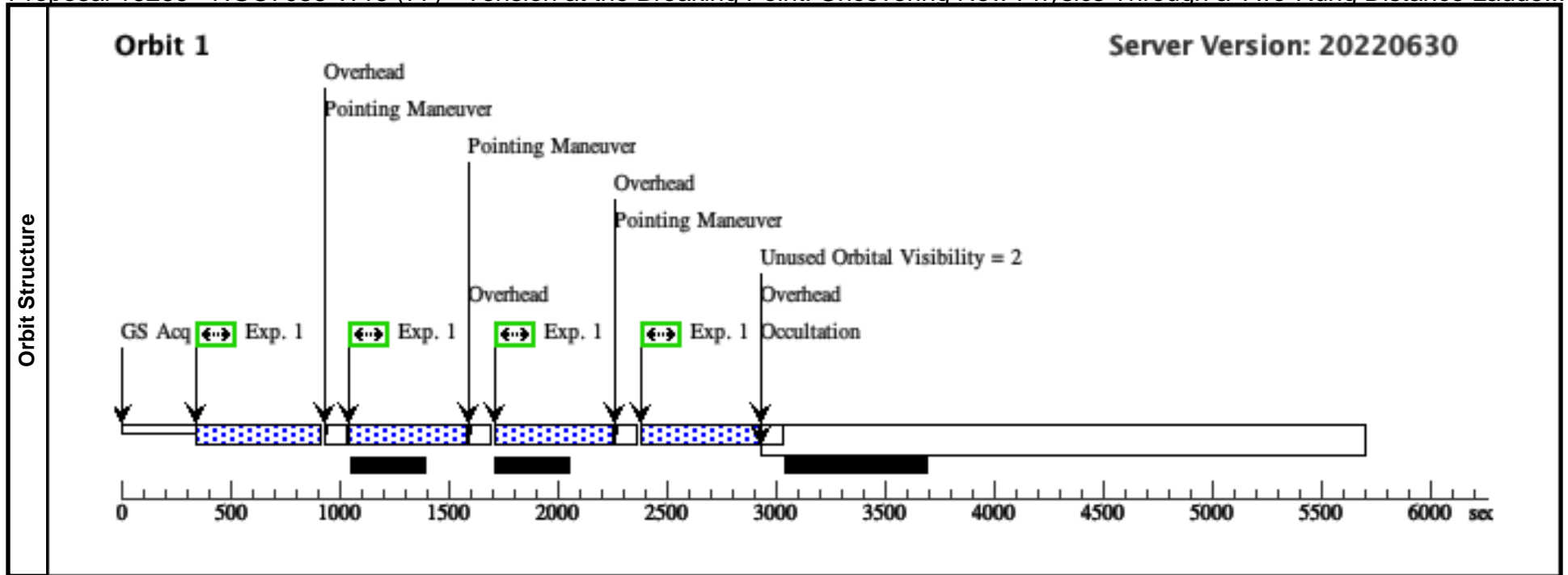
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
		(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]						

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
		1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W12 (76) (3)	539 Secs (2156 Secs)
									[==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]



Proposal 16269 - NGC7038-W13 (77) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance Ladde...

Visit	Proposal 16269, NGC7038-W13 (77), completed Tue Sep 06 21:01:19 GMT 2022 Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 76										
	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)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000		Epoch of Position: 2015.5		V=12.0	Reference Frame: SIMBAD			
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W13 (77) (3)	539 Secs (2156 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]

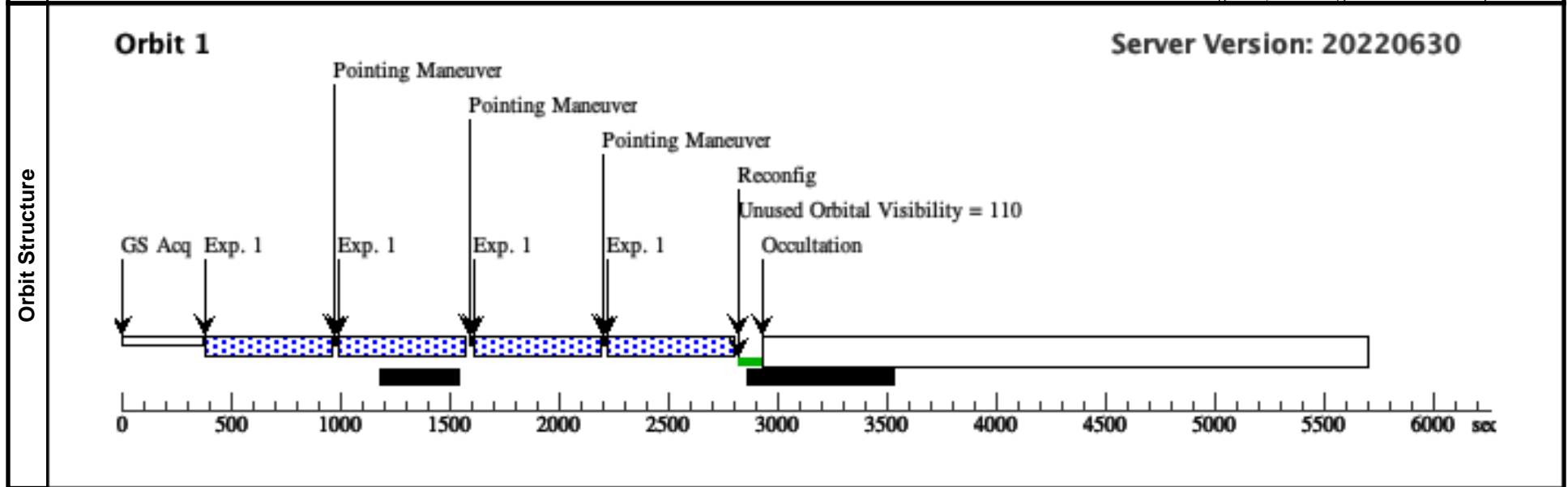


Visit	Proposal 16269, NGC7038-H05 (75), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%		

Patterns	#	Primary Pattern	Secondary Pattern	Exposures
	(5)	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)

Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]					

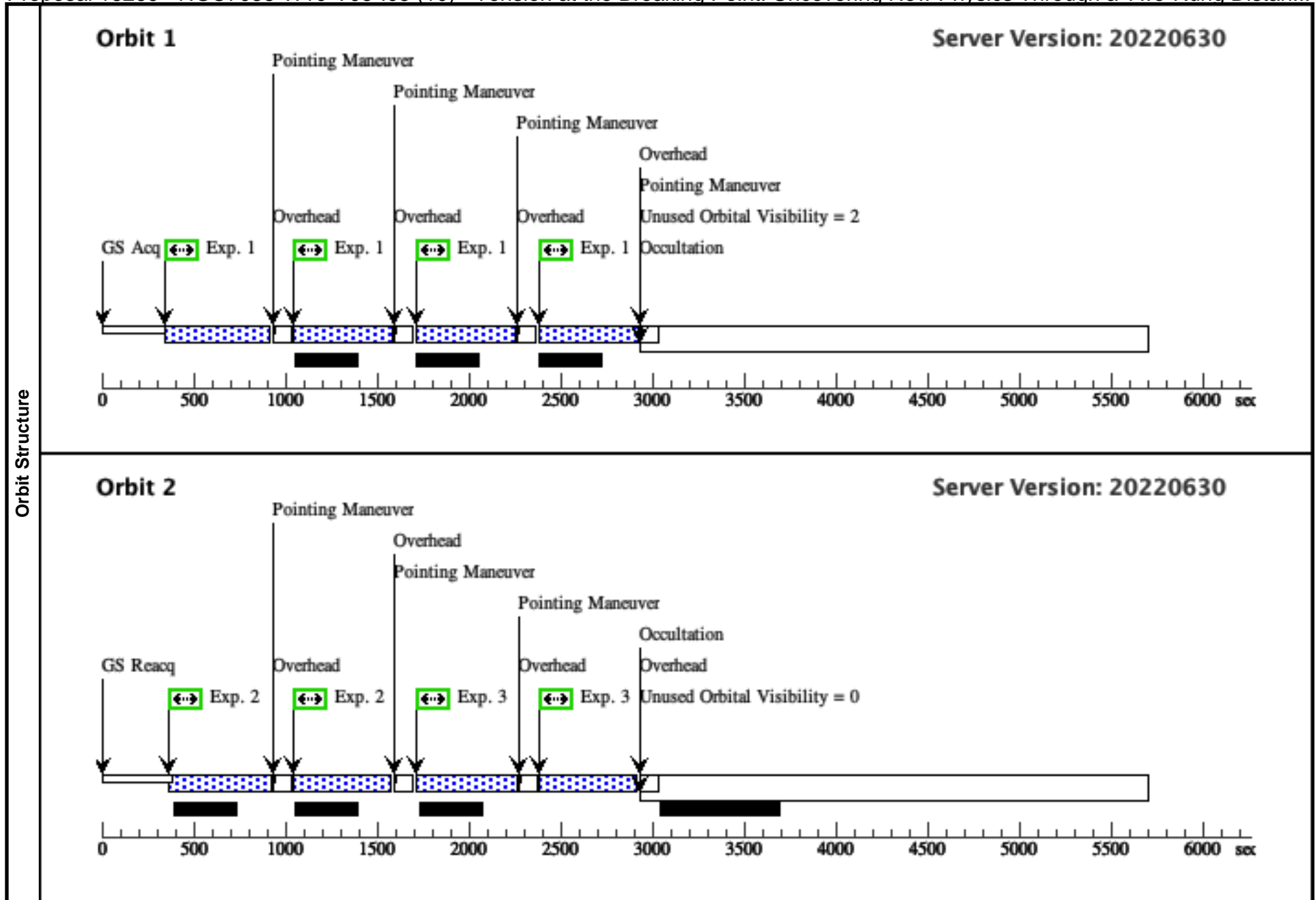
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 1-1 in NGC7038-H05 (75) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]



Proposal 16269 - NGC7038-W10-V05-I05 (10) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

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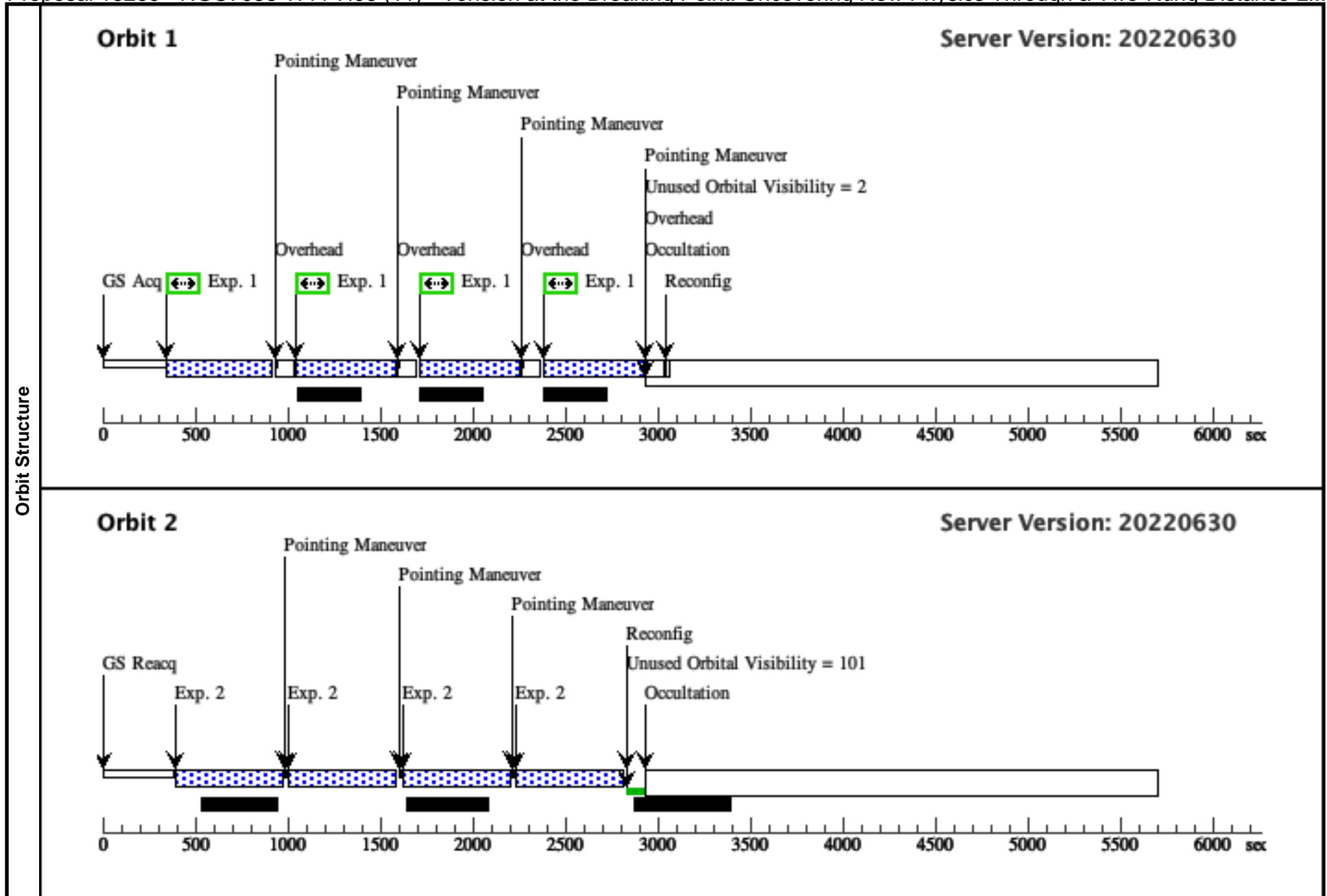
Visit	Proposal 16269, NGC7038-W10-V05-I05 (10), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; AFTER 01									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC7038-W10-V05-I05 (10))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC7038-W10-V05-I05 (10))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC7038-W10-V05-I05 (10) (3)	539 Secs (2156 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC7038-W10-V05-I05 (10) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(3) NGC-7038	(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC7038-W10-V05-I05 (10) (1)	533 Secs (1066 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



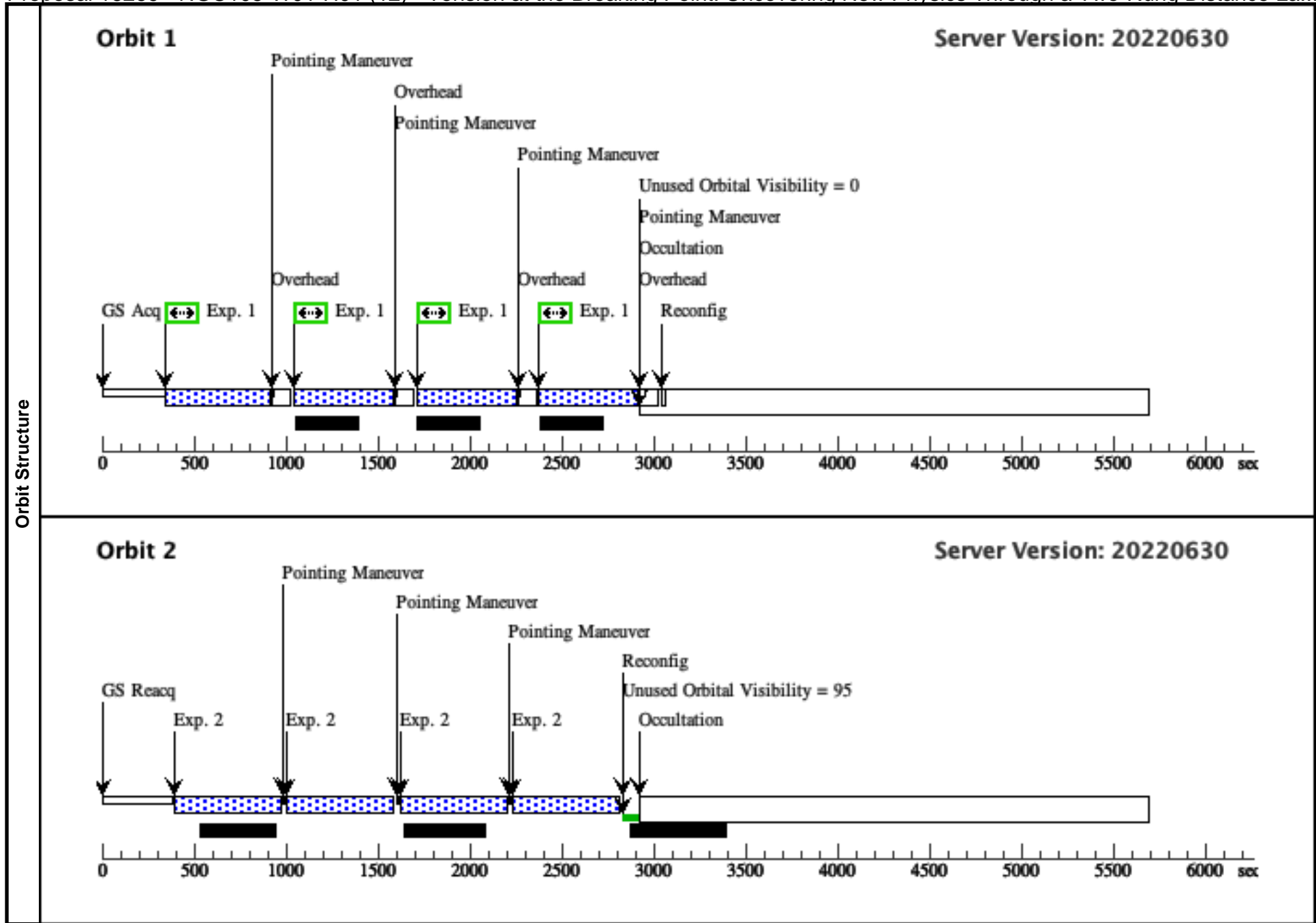
Proposal 16269 - NGC7038-W11-H06 (11) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:19 GMT 2022

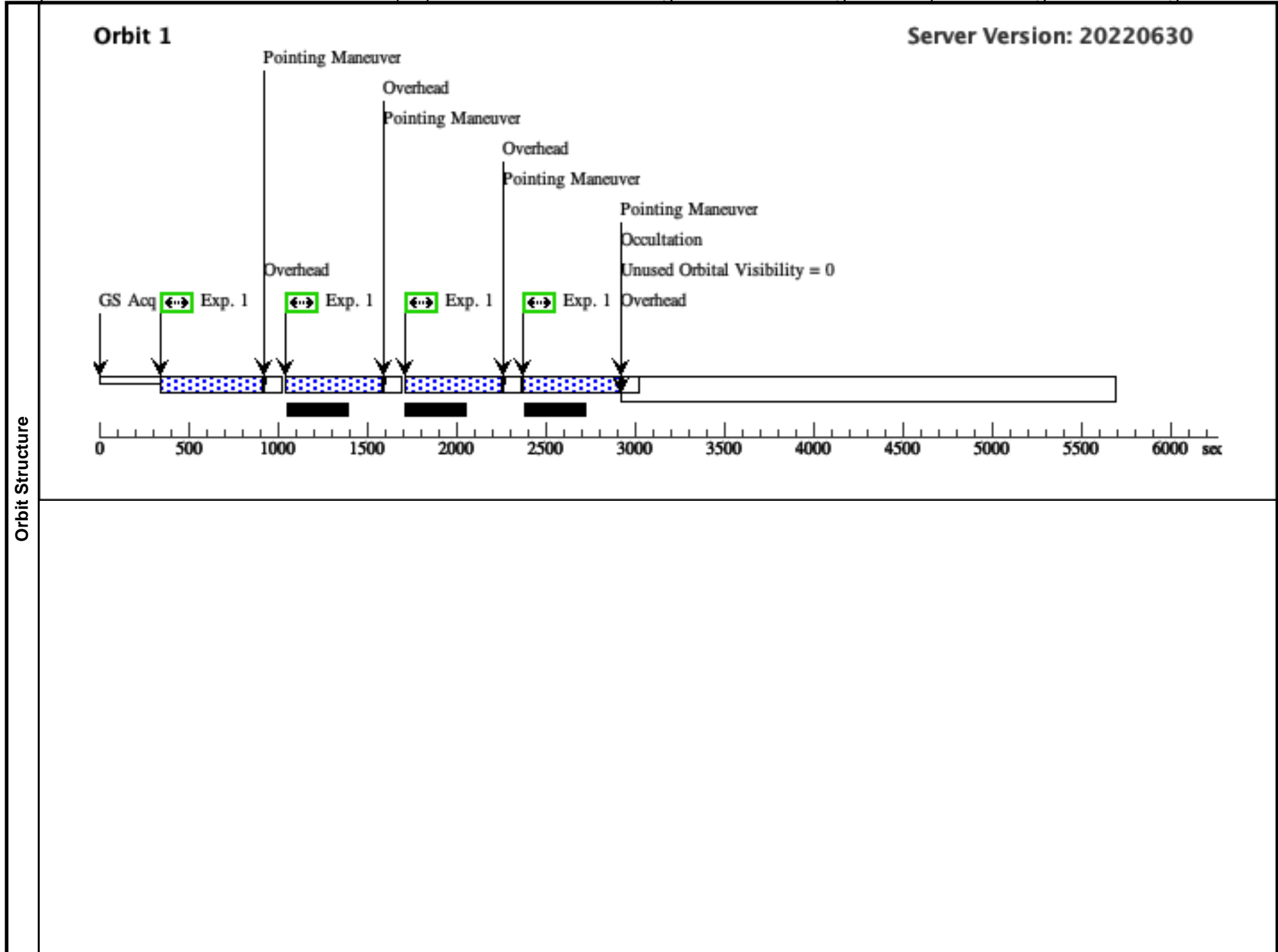
Visit	Proposal 16269, NGC7038-W11-H06 (11), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER Number Of Points=4 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(3)	NGC-7038	RA: 21 15 7.5290 (318.7813708d) Dec: -47 13 8.91 (-47.21914d) Equinox: J2000	Epoch of Position: 2015.5	V=12.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(3) NGC-7038	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC7038-W11-H06 (11) (3)	539 Secs (2156 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]
2		(3) NGC-7038	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPARS50		Pattern 5, Exps 2-2 in NGC7038-W11-H06 (11) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]

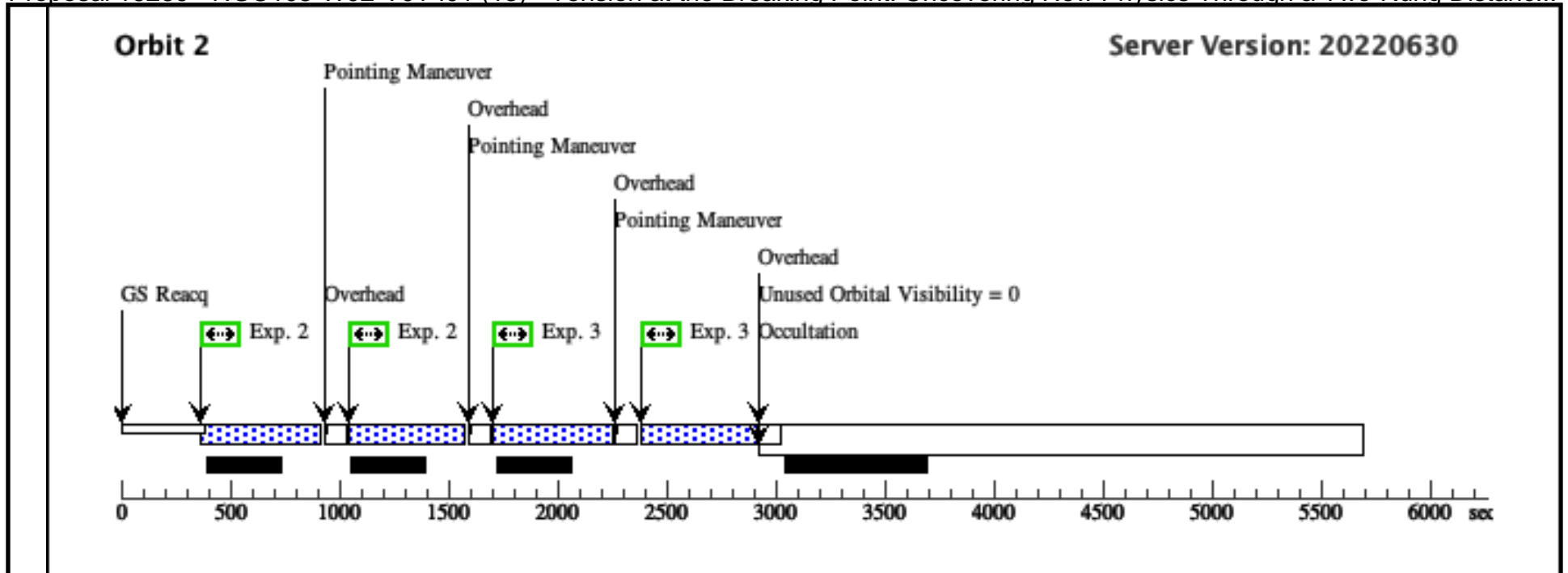


Visit	Proposal 16269, NGC105-W01-H01 (12), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 60D TO 75 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC105-W01-H0 1 (12) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n NGC105-W01-H0 1 (12) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

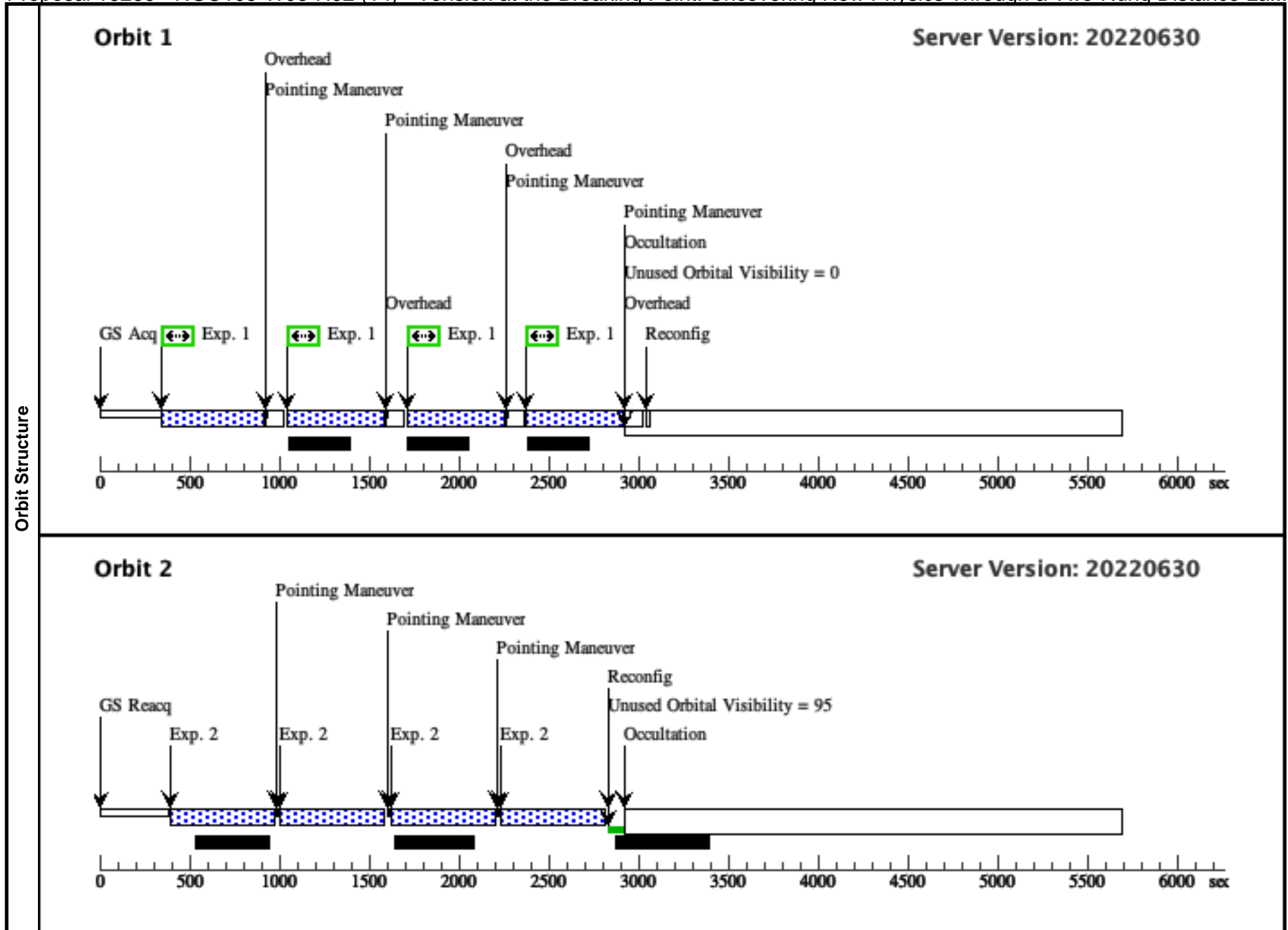


Visit	Proposal 16269, NGC105-W02-V01-I01 (13), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 6.90 D TO 7.90 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC105-W02-V01-I01 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC105-W02-V01-I01 (13))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnos										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC105-W02-V01-I01 (13) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 in NGC105-W02-V01-I01 (13) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 in NGC105-W02-V01-I01 (13) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]





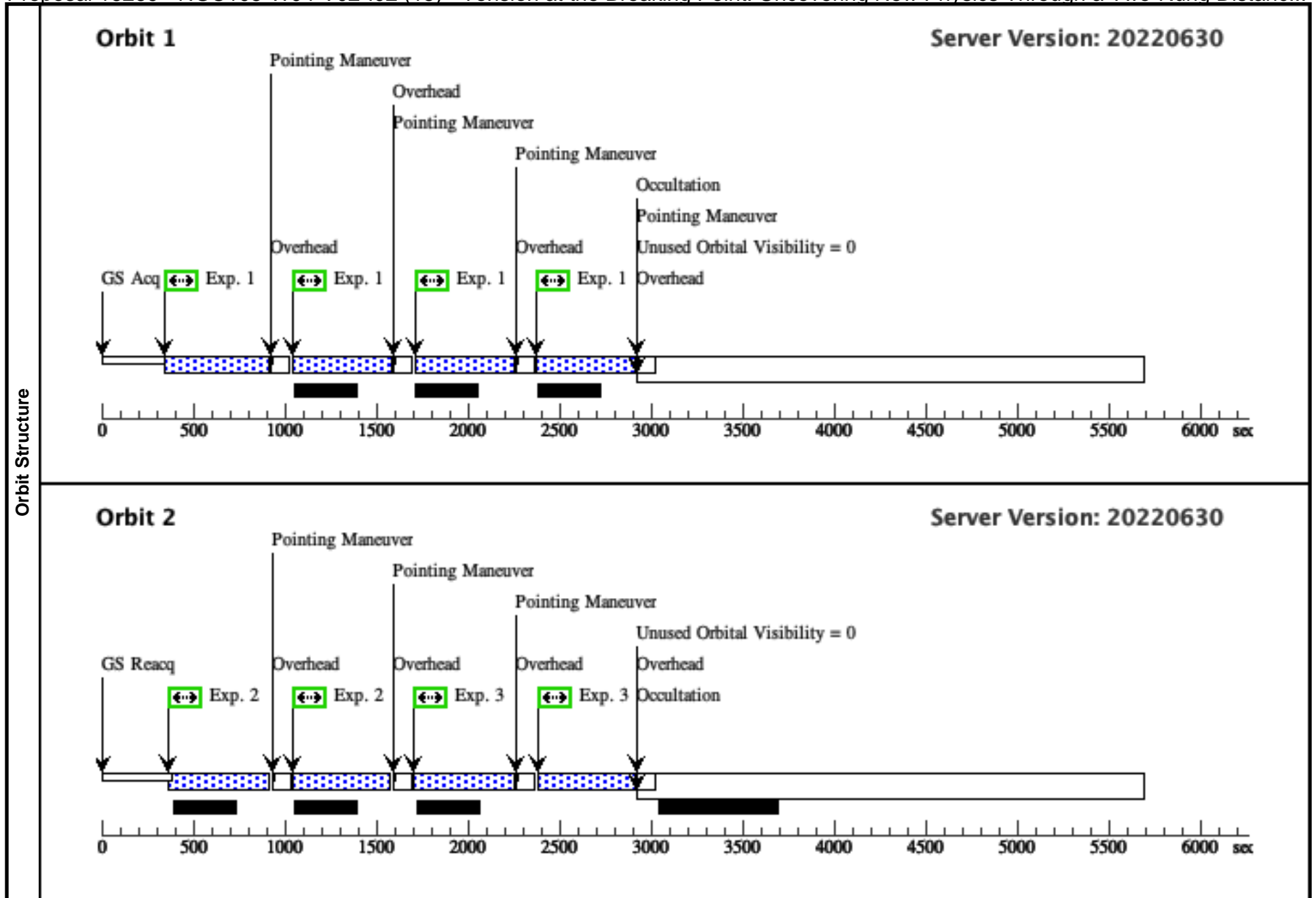
Visit	Proposal 16269, NGC105-W03-H02 (14), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 18.88 D TO 19.88 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)				
(5)		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)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC105-W03-H02 (14) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC105-W03-H02 (14) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



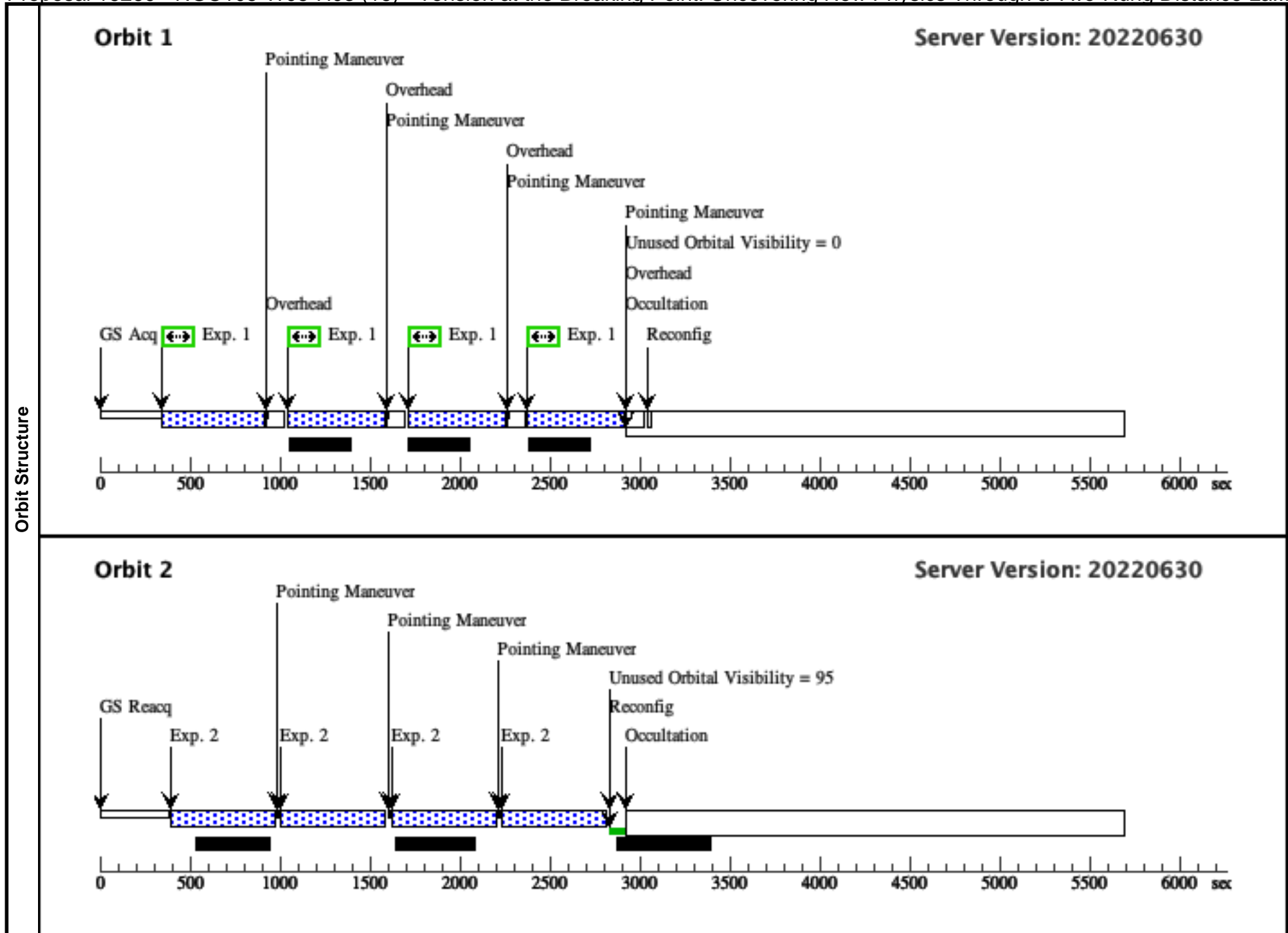
Proposal 16269 - NGC105-W04-V02-I02 (15) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

Tue Sep 06 21:01:19 GMT 2022

Visit	Proposal 16269, NGC105-W04-V02-I02 (15), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 27.18 D TO 28.18 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC105-W04-V02-I02 (15))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC105-W04-V02-I02 (15))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnos										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC105-W04-V0 2-I02 (15) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC105-W04-V0 2-I02 (15) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC105-W04-V0 2-I02 (15) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



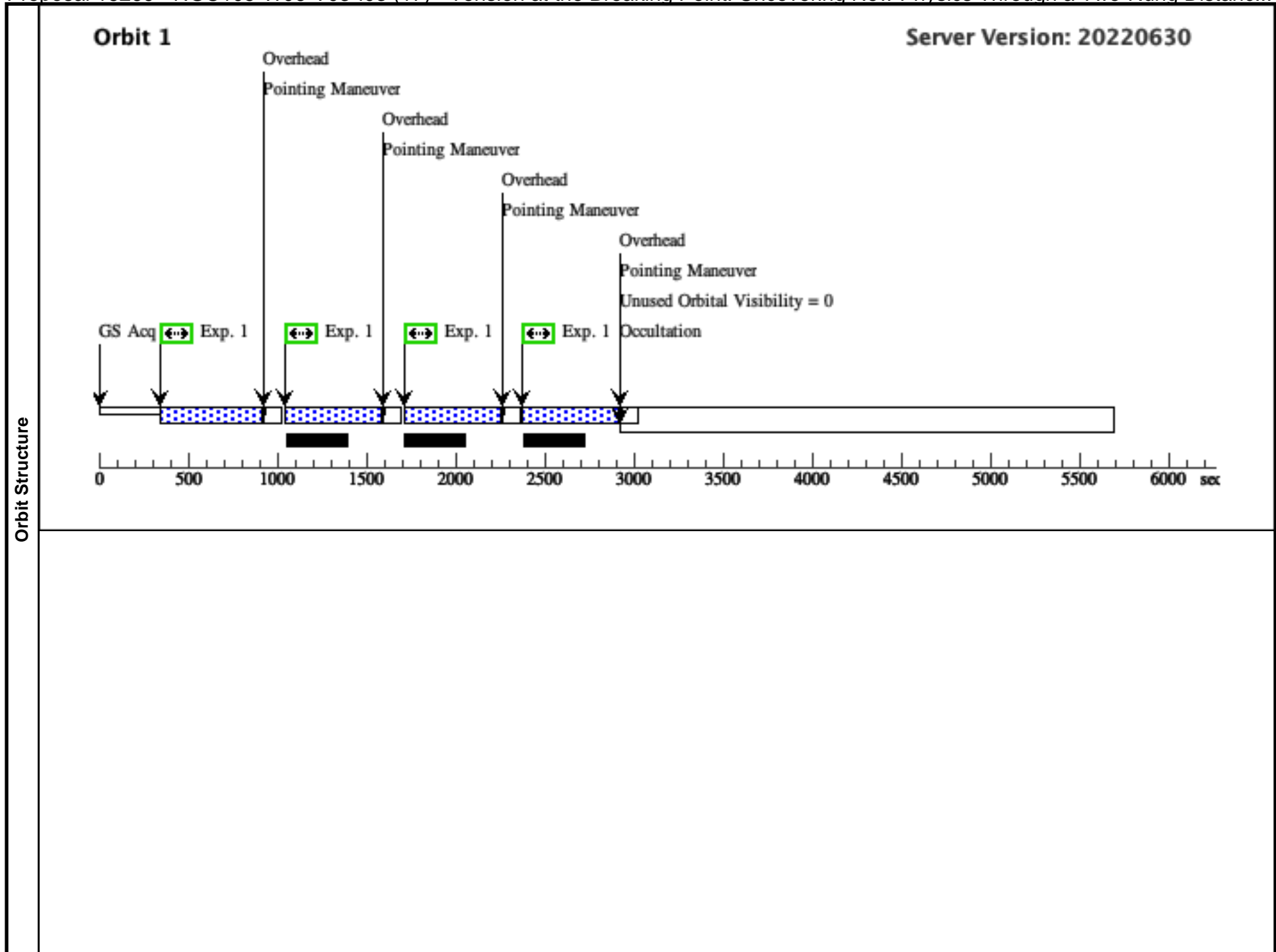
Visit	Proposal 16269, NGC105-W05-H03 (16), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 36.63 D TO 37.63 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)				
(5)		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)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC105-W05-H03 (16) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC105-W05-H03 (16) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

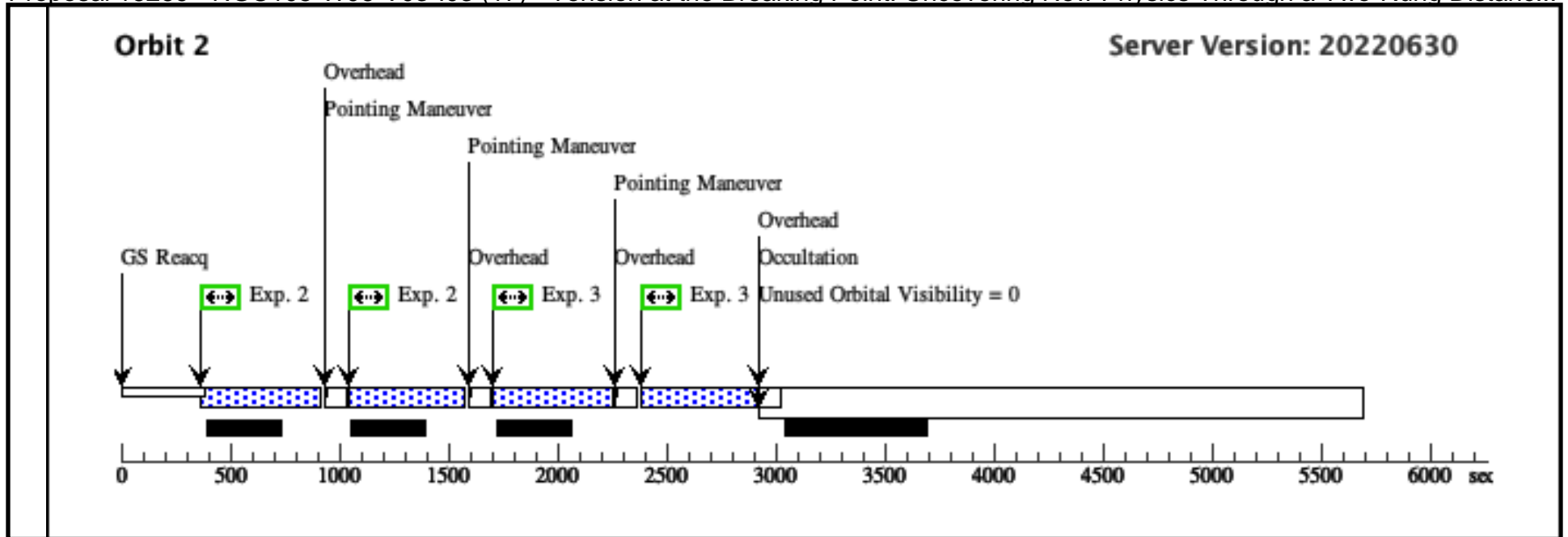


Proposal 16269 - NGC105-W06-V03-I03 (17) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

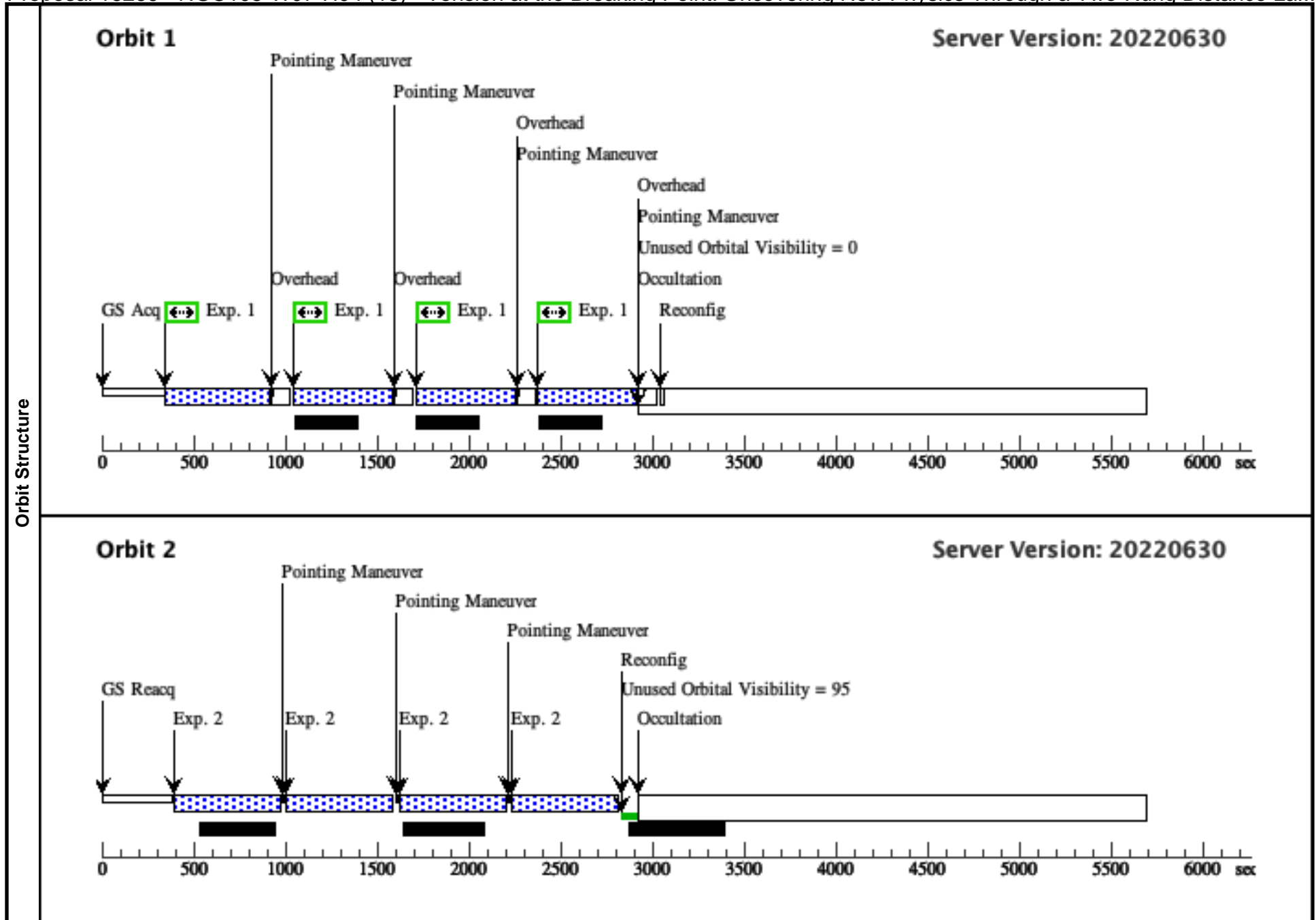
Tue Sep 06 21:01:19 GMT 2022

Visit	Proposal 16269, NGC105-W06-V03-I03 (17), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 50.21 D TO 51.21 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC105-W06-V03-I03 (17))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC105-W06-V03-I03 (17))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC105-W06-V03-I03 (17) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 in NGC105-W06-V03-I03 (17) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 in NGC105-W06-V03-I03 (17) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

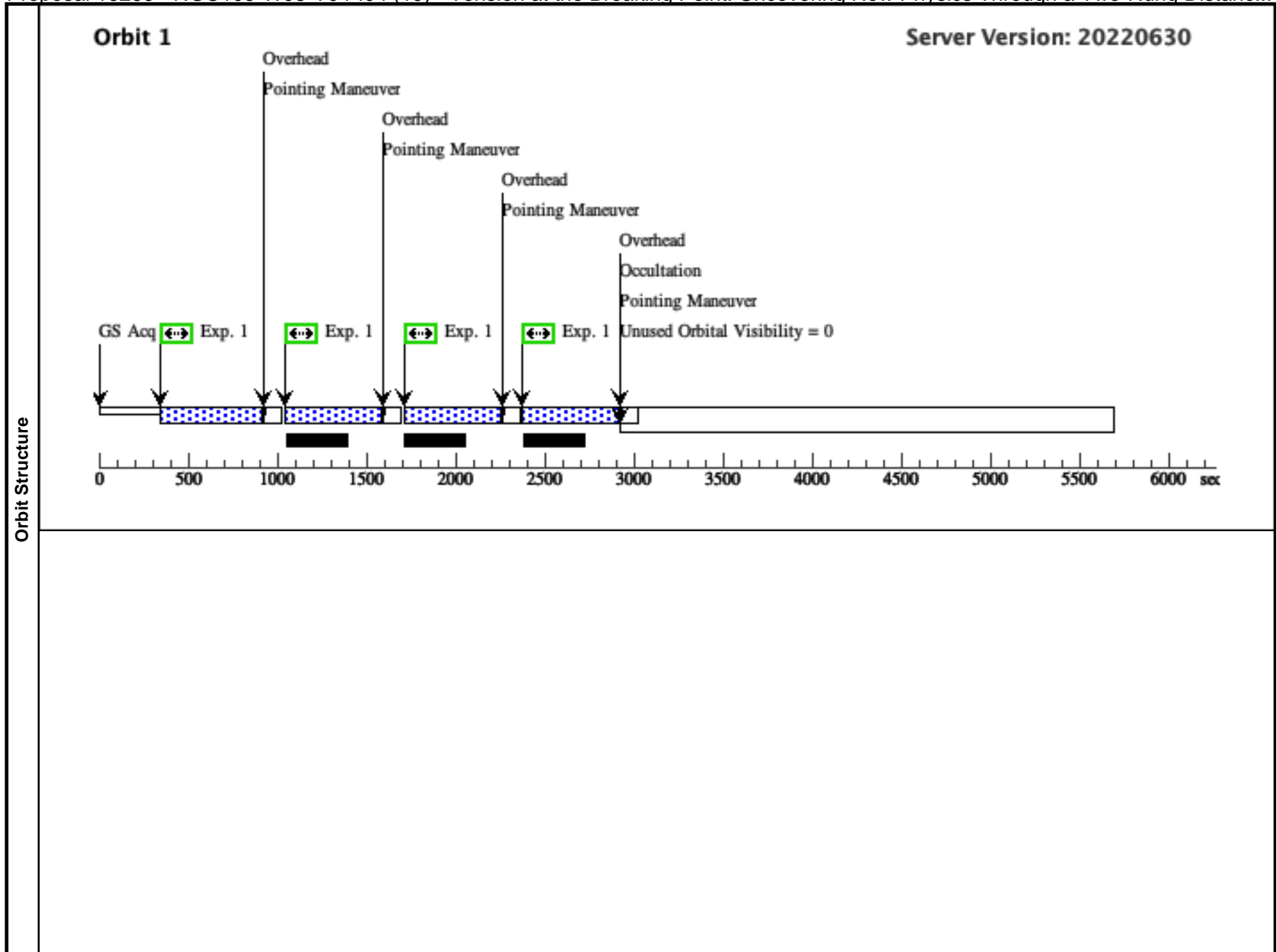


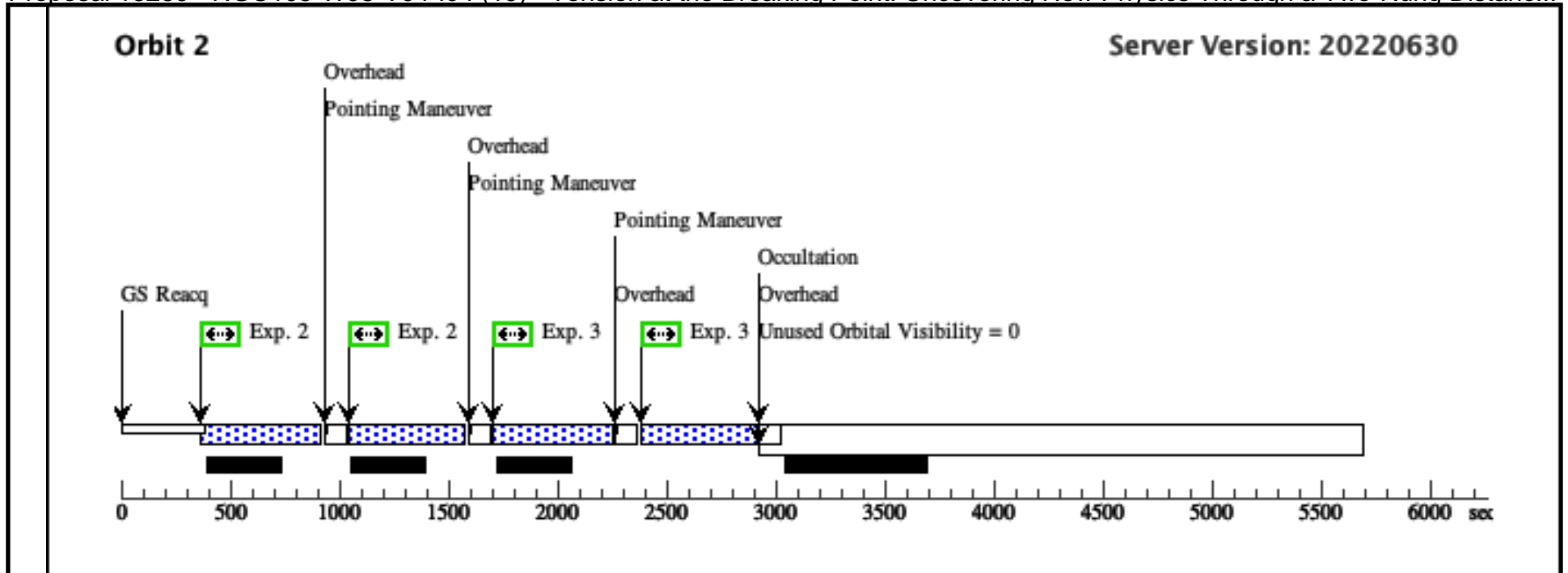


Visit	Proposal 16269, NGC105-W07-H04 (18), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 60.68 D TO 61.68 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)				
(5)		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)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC105-W07-H04 (18) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC105-W07-H04 (18) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

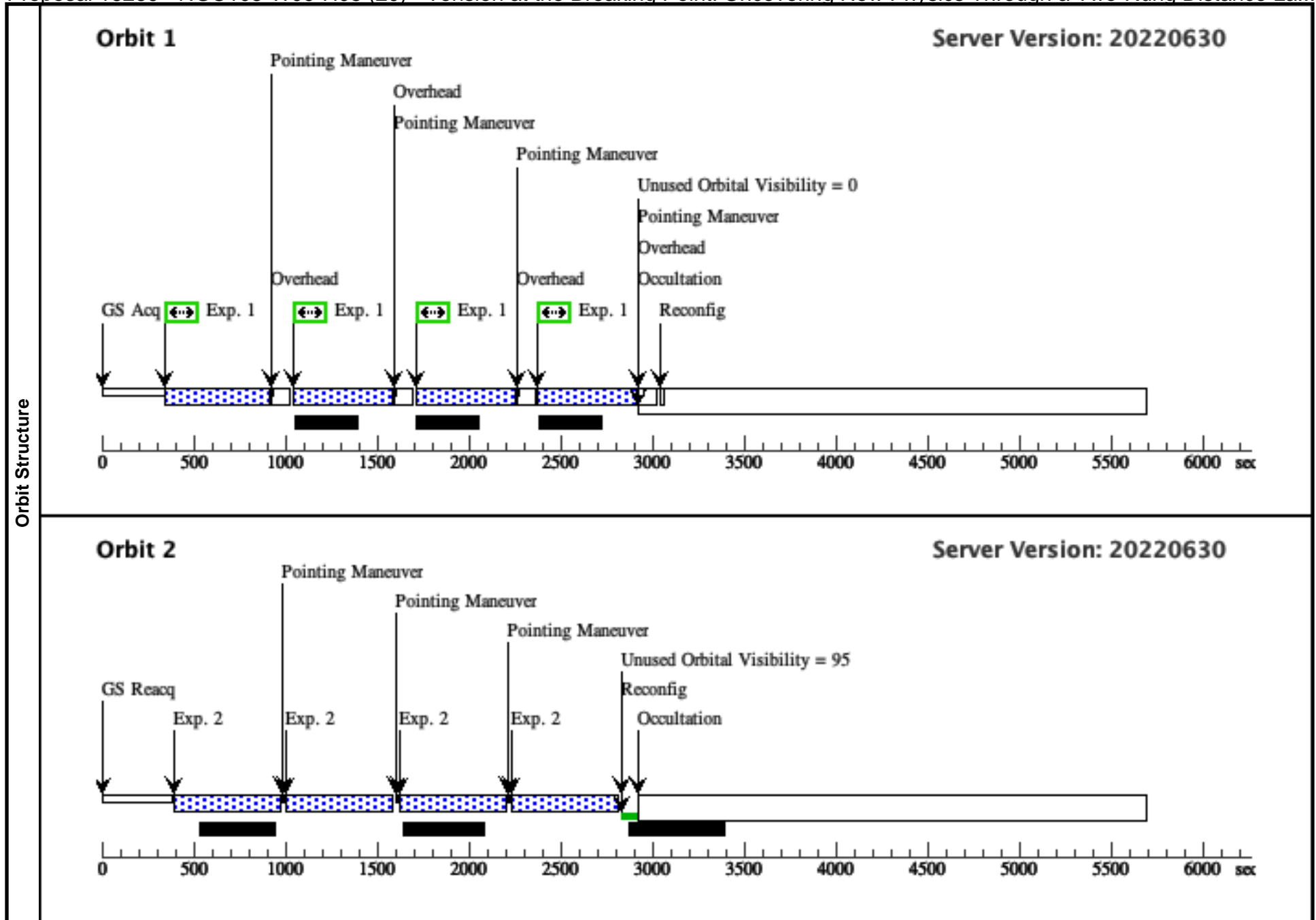


Visit	Proposal 16269, NGC105-W08-V04-I04 (19), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 72.16 D TO 73.16 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC105-W08-V04-I04 (19))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC105-W08-V04-I04 (19))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnos										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC105-W08-V04-I04 (19) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 in NGC105-W08-V04-I04 (19) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 in NGC105-W08-V04-I04 (19) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]





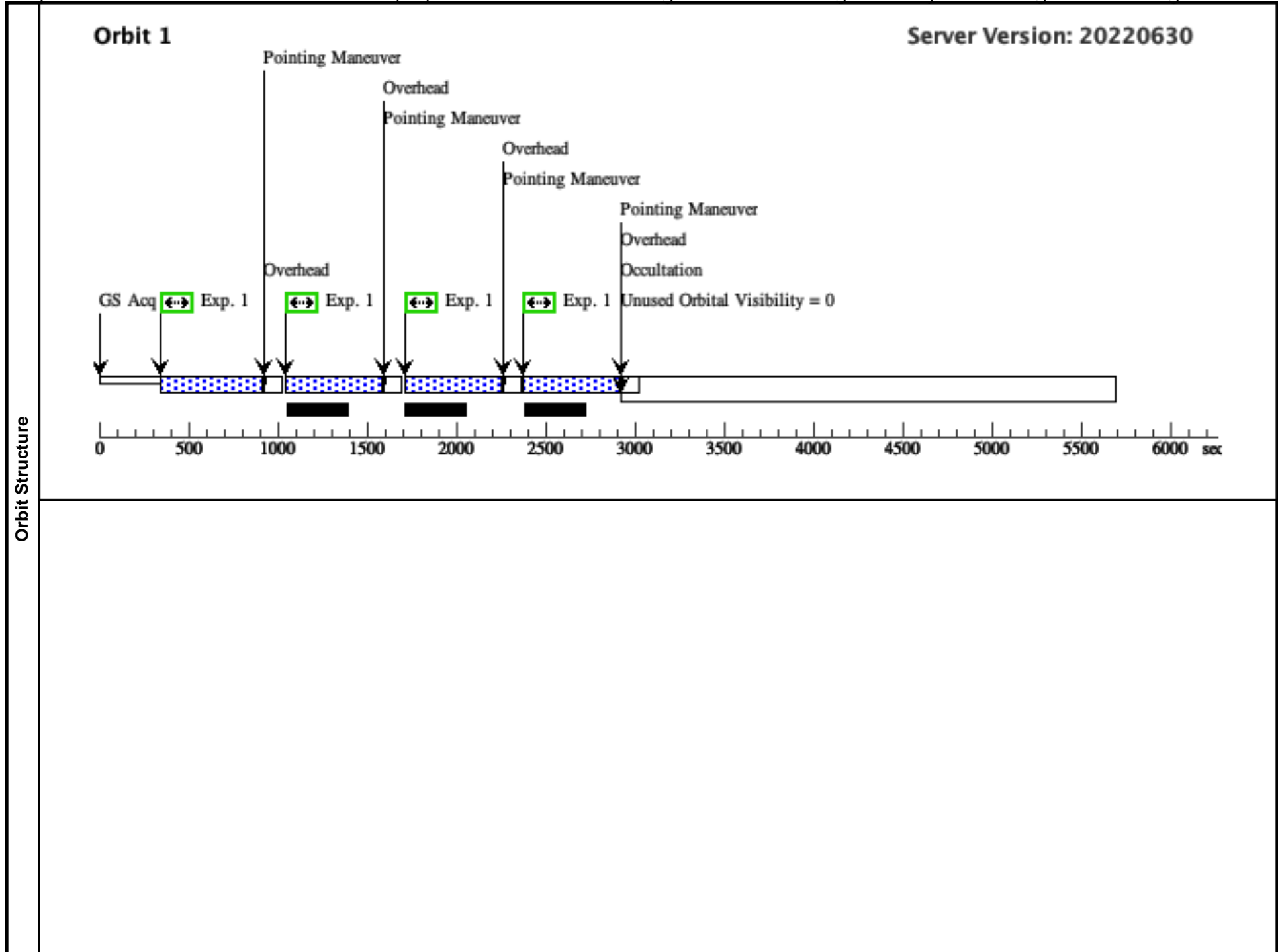
Visit	Proposal 16269, NGC105-W09-H05 (20), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 85.04 D TO 86.04 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)			
(5)		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)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC105-W09-H0 5 (20) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n NGC105-W09-H0 5 (20) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

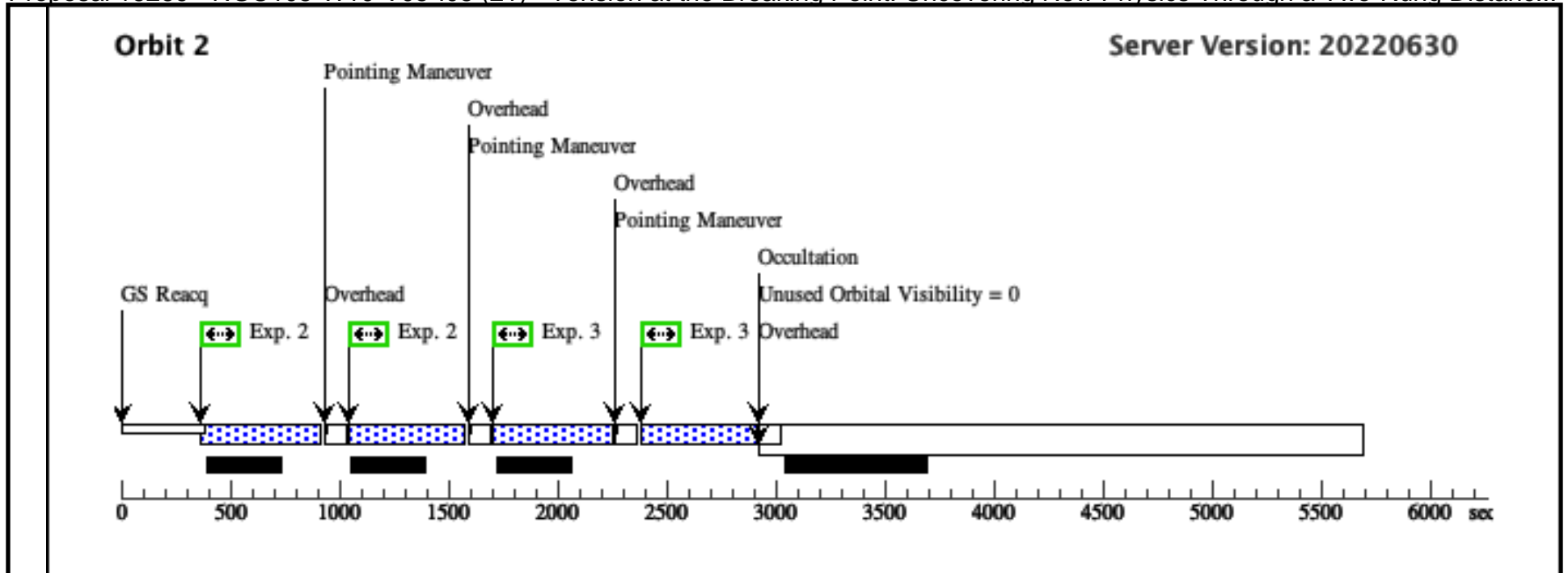


Proposal 16269 - NGC105-W10-V05-I05 (21) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

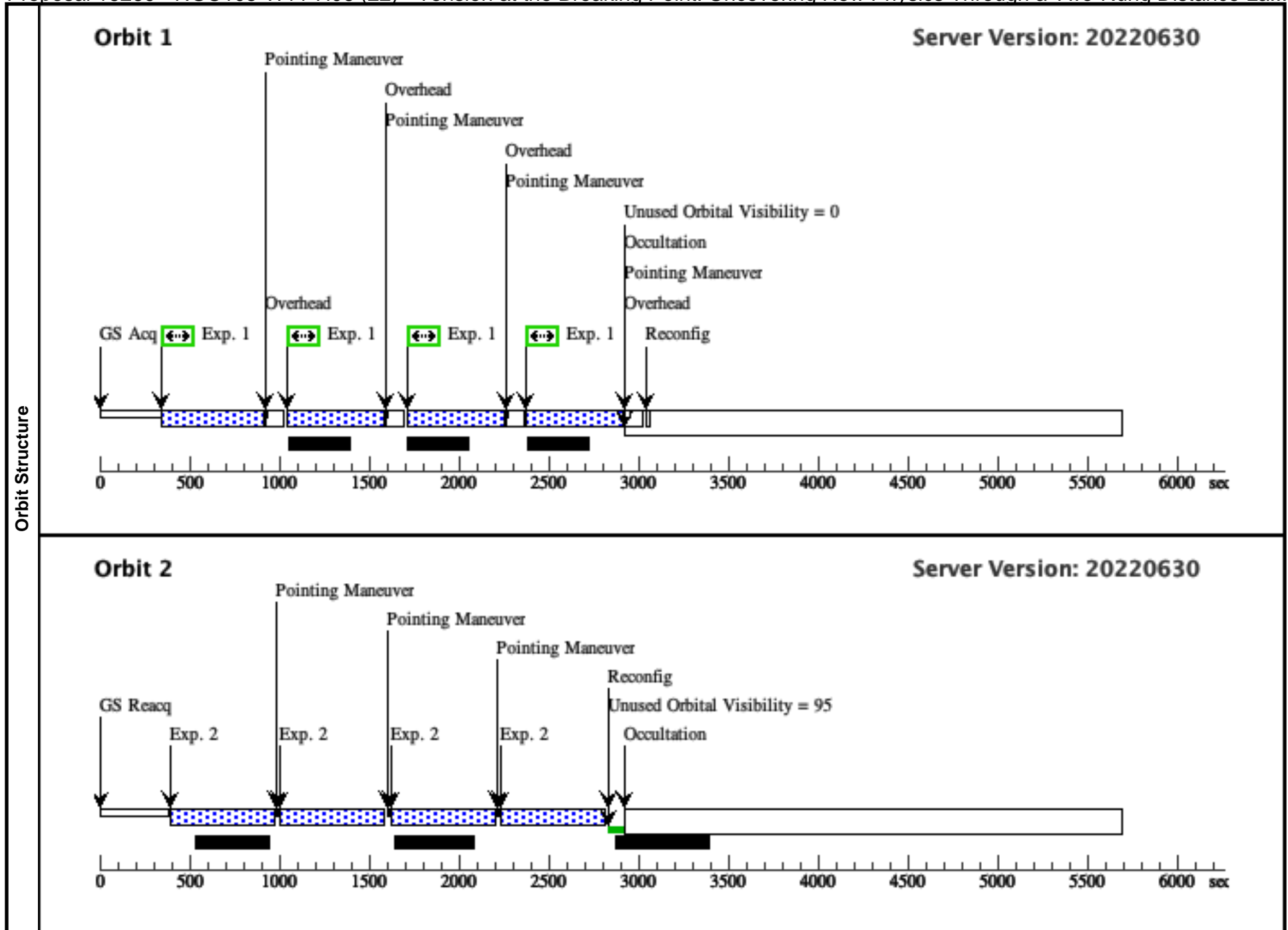
Tue Sep 06 21:01:19 GMT 2022

Visit	Proposal 16269, NGC105-W10-V05-I05 (21), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 92.83 D TO 93.83 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC105-W10-V05-I05 (21))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC105-W10-V05-I05 (21))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC105-W10-V05-I05 (21) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 in NGC105-W10-V05-I05 (21) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 in NGC105-W10-V05-I05 (21) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]





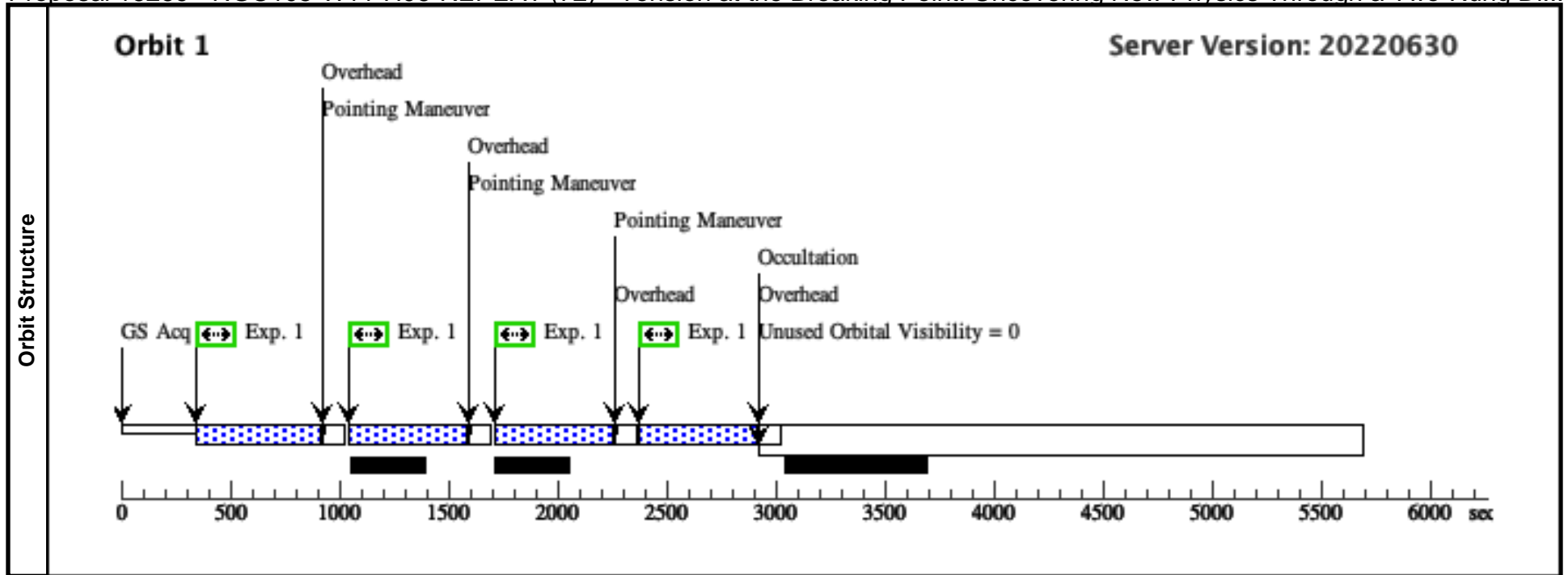
Visit	Proposal 16269, NGC105-W11-H06 (22), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 12; AFTER 12 BY 99.5 D TO 100.5 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)				
(5)		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)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	NGC-105	RA: 00 25 16.7514 (6.3197975d) Dec: +12 53 1.92 (12.88387d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000	Epoch of Position: 2015.5	V=14.0	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC105-W11-H06 (22) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(1) NGC-105	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC105-W11-H06 (22) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 16269 - NGC105-W11-H06-REPEAT (72) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Di...

Tue Sep 06 21:01:20 GMT 2022

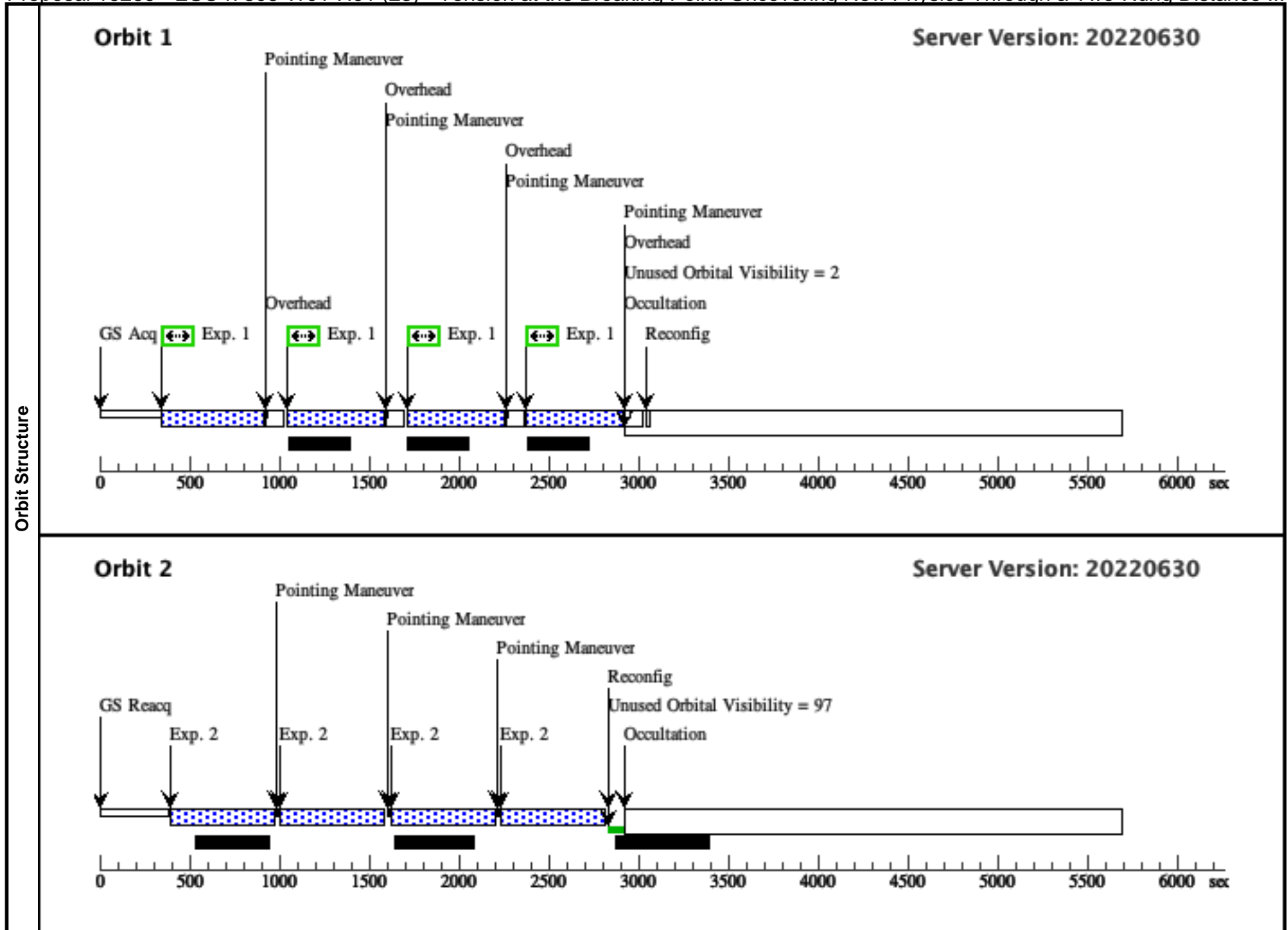
Visit	Proposal 16269, NGC105-W11-H06-REPEAT (72), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100% <i>Comments: This visit will repeat observations from visit 22 that failed due to guide stars</i>										
	Patterns	#	Primary Pattern				Secondary 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)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(8)	NGC-105-UVIS	RA: 00 25 13.5014 (6.3062558d) Dec: +12 53 15.92 (12.88776d) Equinox: J2000		Epoch of Position: 2015.5		V=14.0	Reference Frame: SIMBAD			
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(8) NGC-105-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC105-W11-H06-REPEAT (72) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]



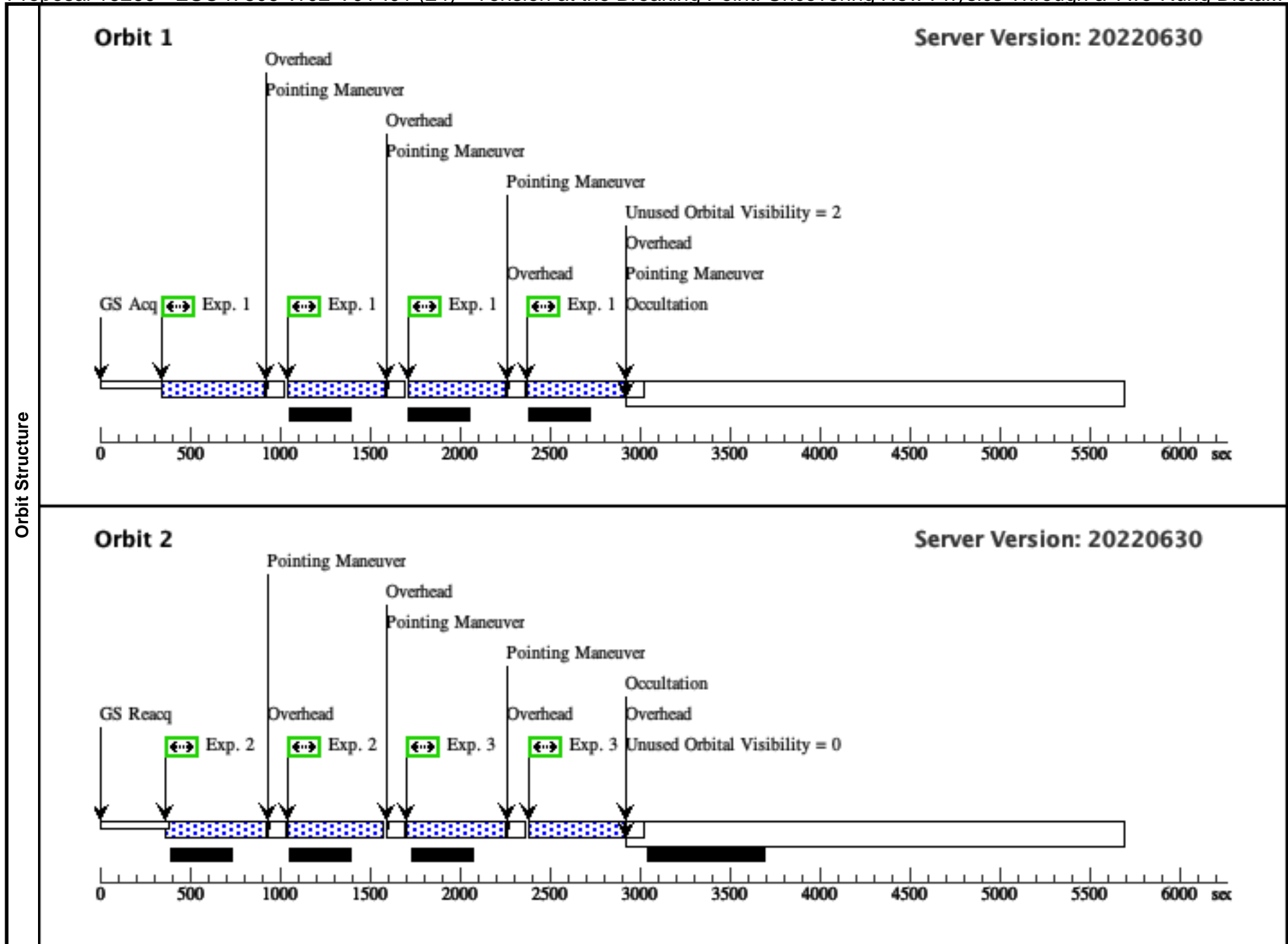
Proposal 16269 - ESO47806-W01-H01 (23) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance ...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, ESO47806-W01-H01 (23), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W01-H01 (23) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W01-H01 (23) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



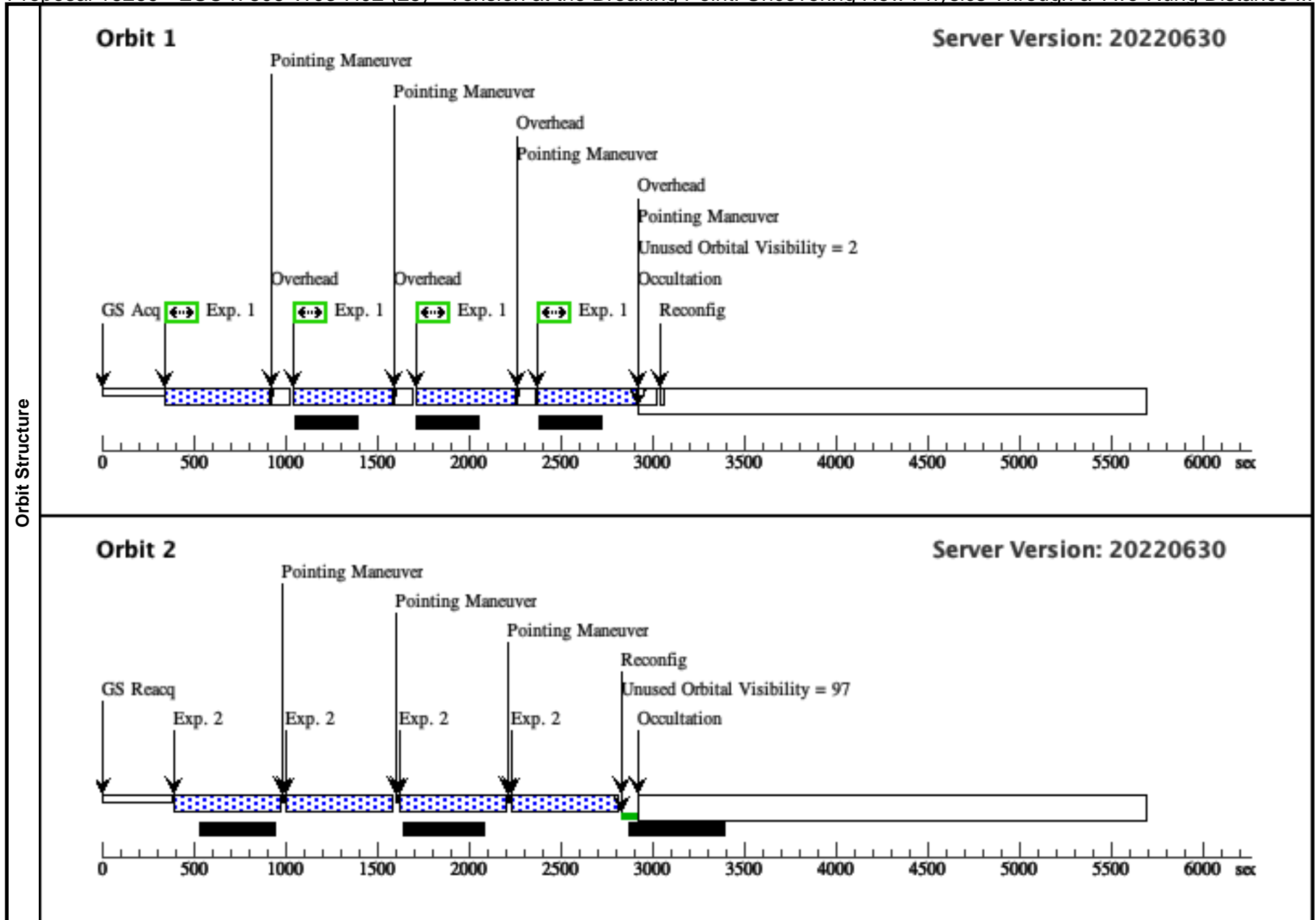
Visit	Proposal 16269, ESO47806-W02-V01-I01 (24), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 23; AFTER 23 BY 6.50 D TO 7.50 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in ESO47806-W02-V01-I01 (24))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in ESO47806-W02-V01-I01 (24))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W02-V01-I01 (24) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in ESO47806-W02-V01-I01 (24) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in ESO47806-W02-V01-I01 (24) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



Proposal 16269 - ESO47806-W03-H02 (25) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance ...

Tue Sep 06 21:01:20 GMT 2022

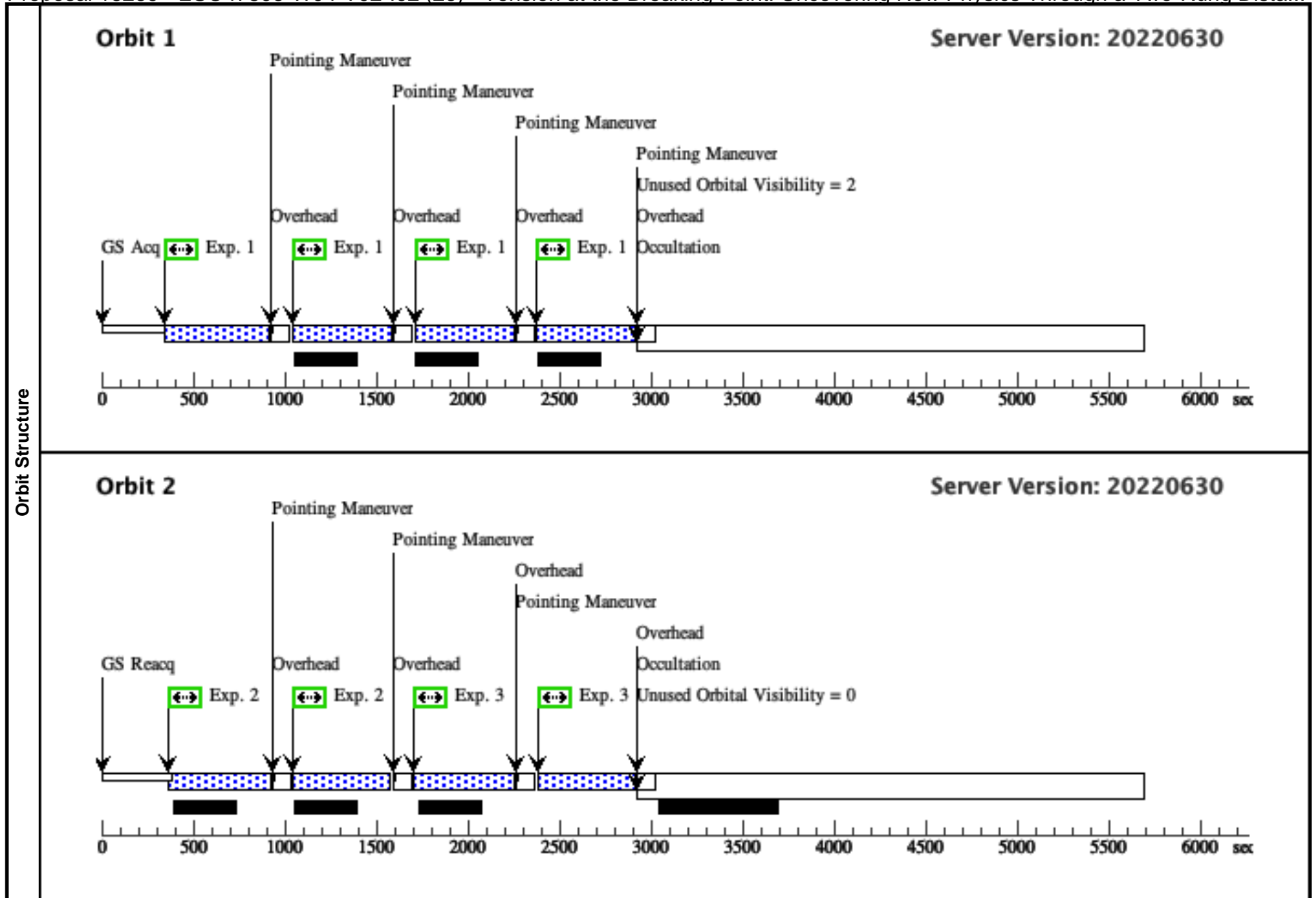
Visit	Proposal 16269, ESO47806-W03-H02 (25), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; AFTER 23 BY 17.9 D TO 18.9 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W03-H02 (25) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W03-H02 (25) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 16269 - ESO47806-W04-V02-I02 (26) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Dista...

Tue Sep 06 21:01:20 GMT 2022

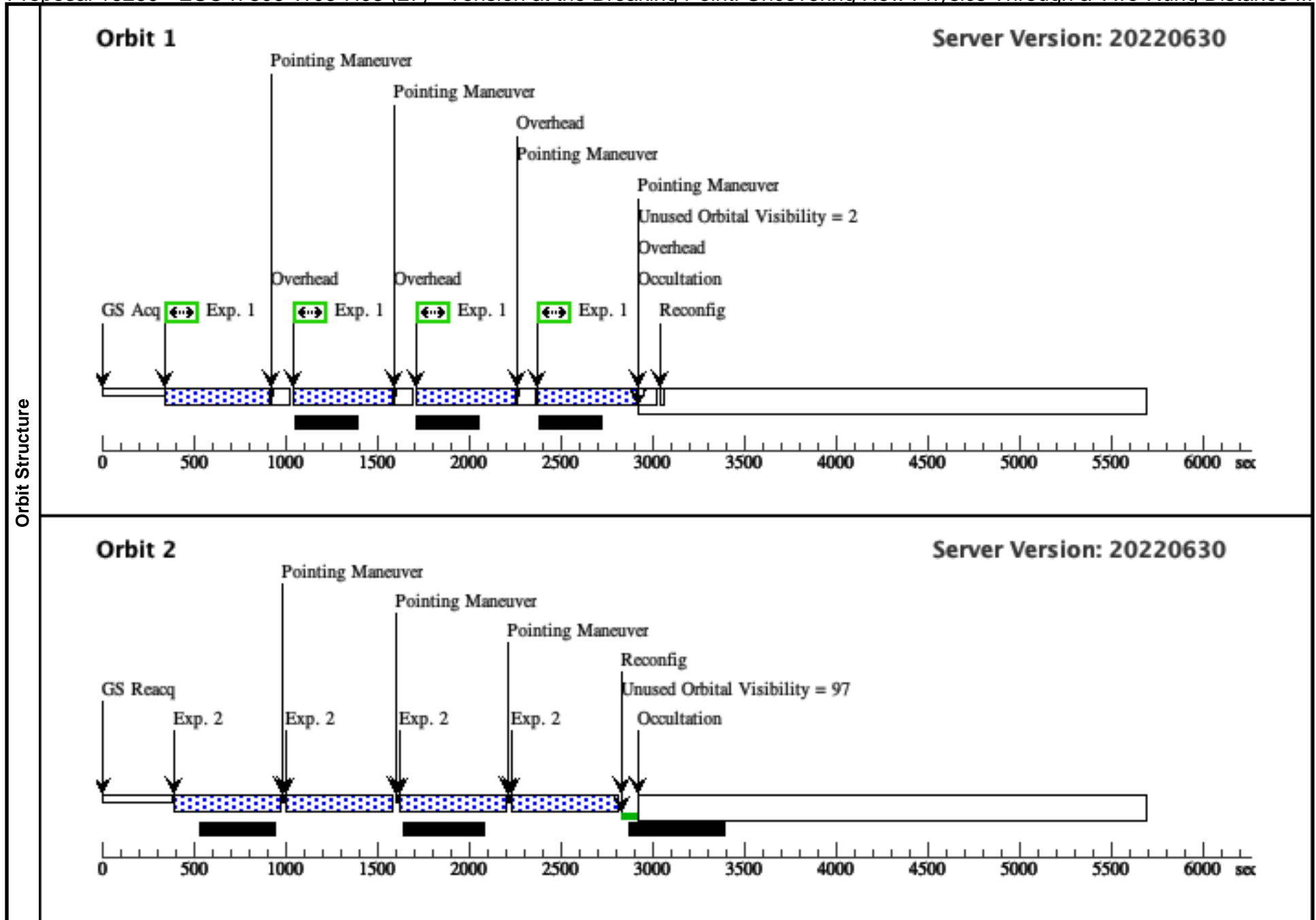
Visit	Proposal 16269, ESO47806-W04-V02-I02 (26), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 25; AFTER 23 BY 25.8 D TO 26.8 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in ESO47806-W04-V02-I02 (26))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in ESO47806-W04-V02-I02 (26))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing= Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W04-V02-I02 (26) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in ESO47806-W04-V02-I02 (26) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in ESO47806-W04-V02-I02 (26) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



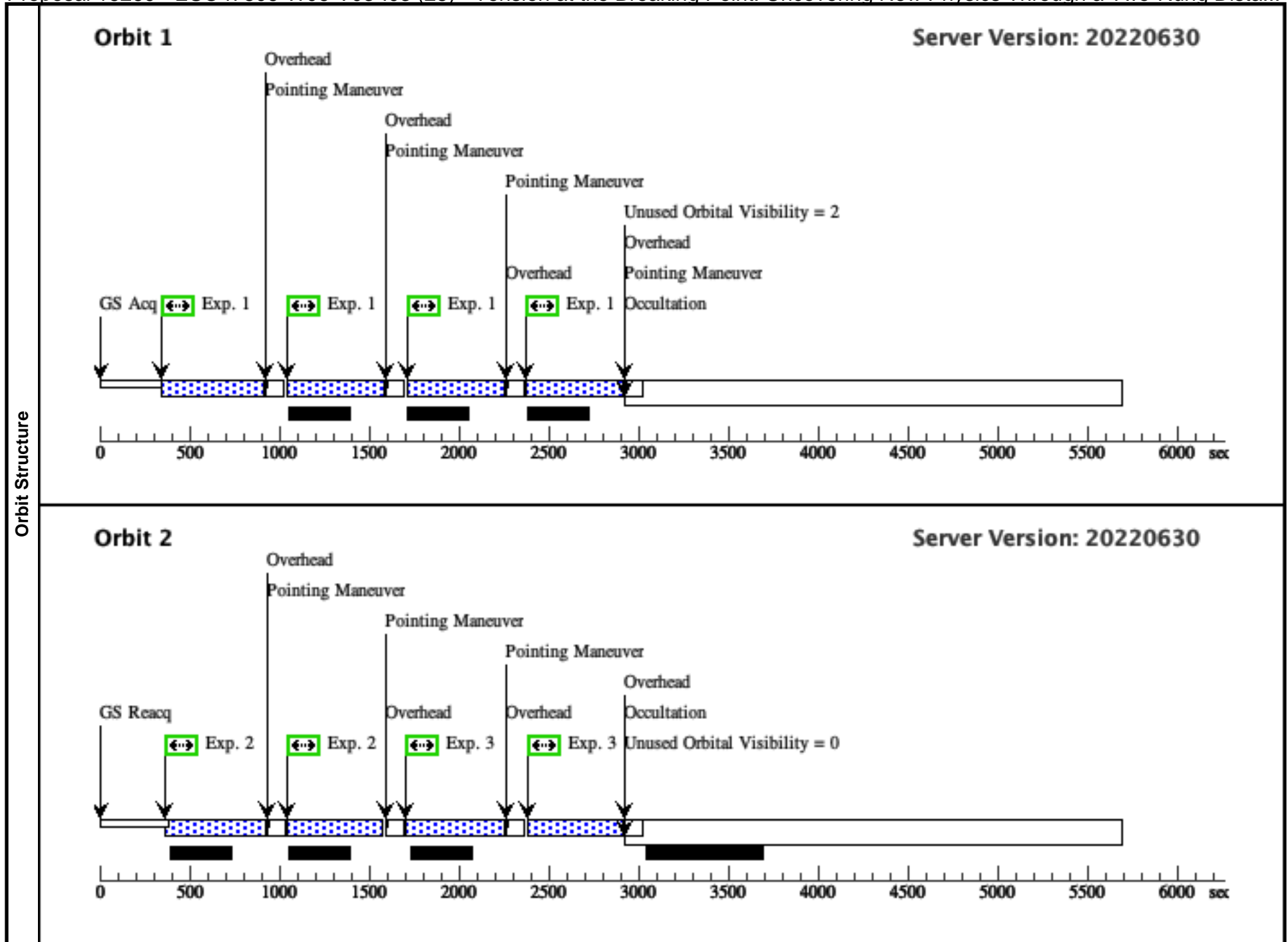
Proposal 16269 - ESO47806-W05-H03 (27) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance ...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, ESO47806-W05-H03 (27), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 25; AFTER 23 BY 34.8 D TO 35.8 D									
	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)					
(5)		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)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W05-H03 (27) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W05-H03 (27) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



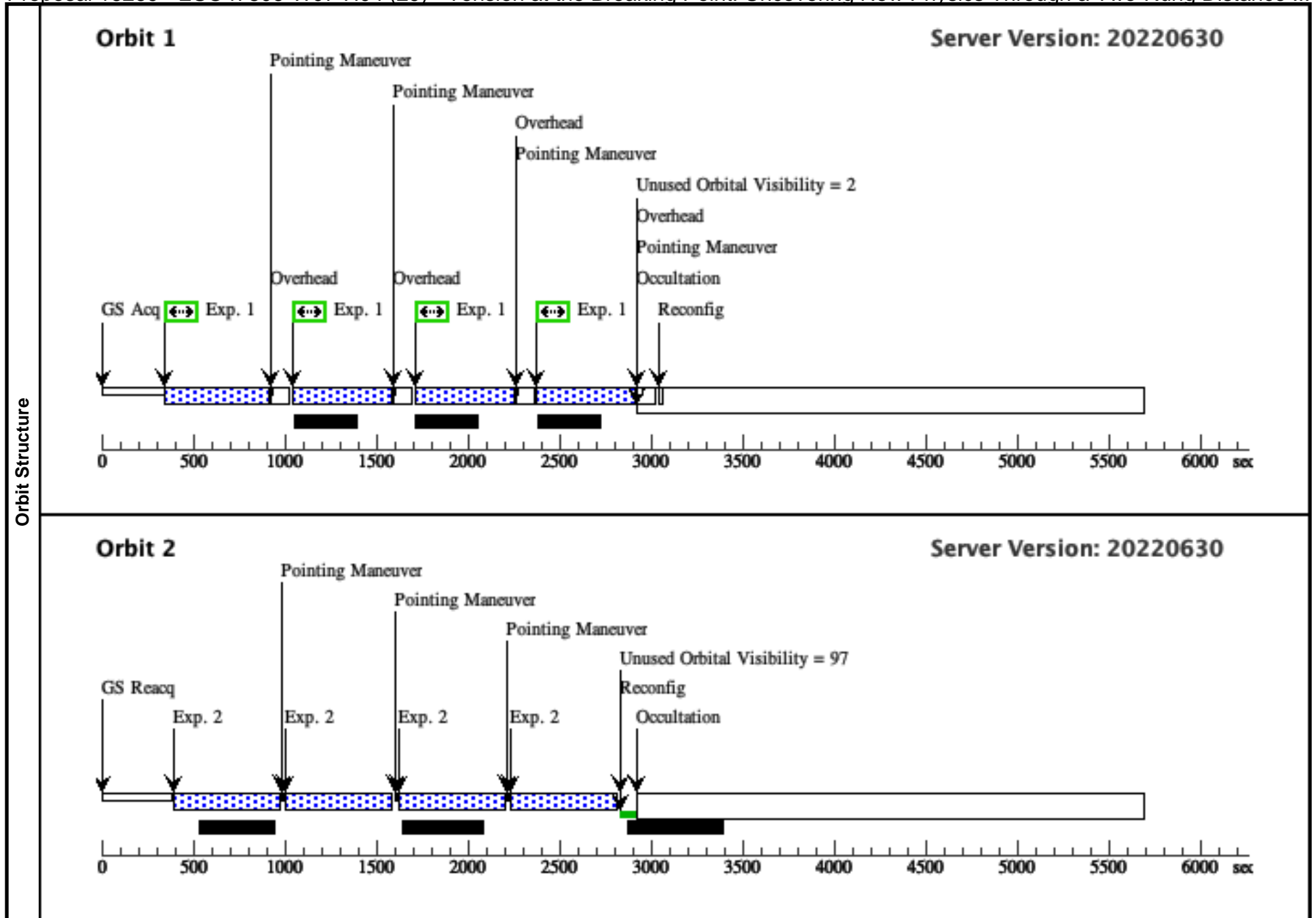
Visit	Proposal 16269, ESO47806-W06-V03-I03 (28), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 25; AFTER 23 BY 47.7 D TO 48.7 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in ESO47806-W06-V03-I03 (28))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in ESO47806-W06-V03-I03 (28))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W06-V03-I03 (28) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in ESO47806-W06-V03-I03 (28) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in ESO47806-W06-V03-I03 (28) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



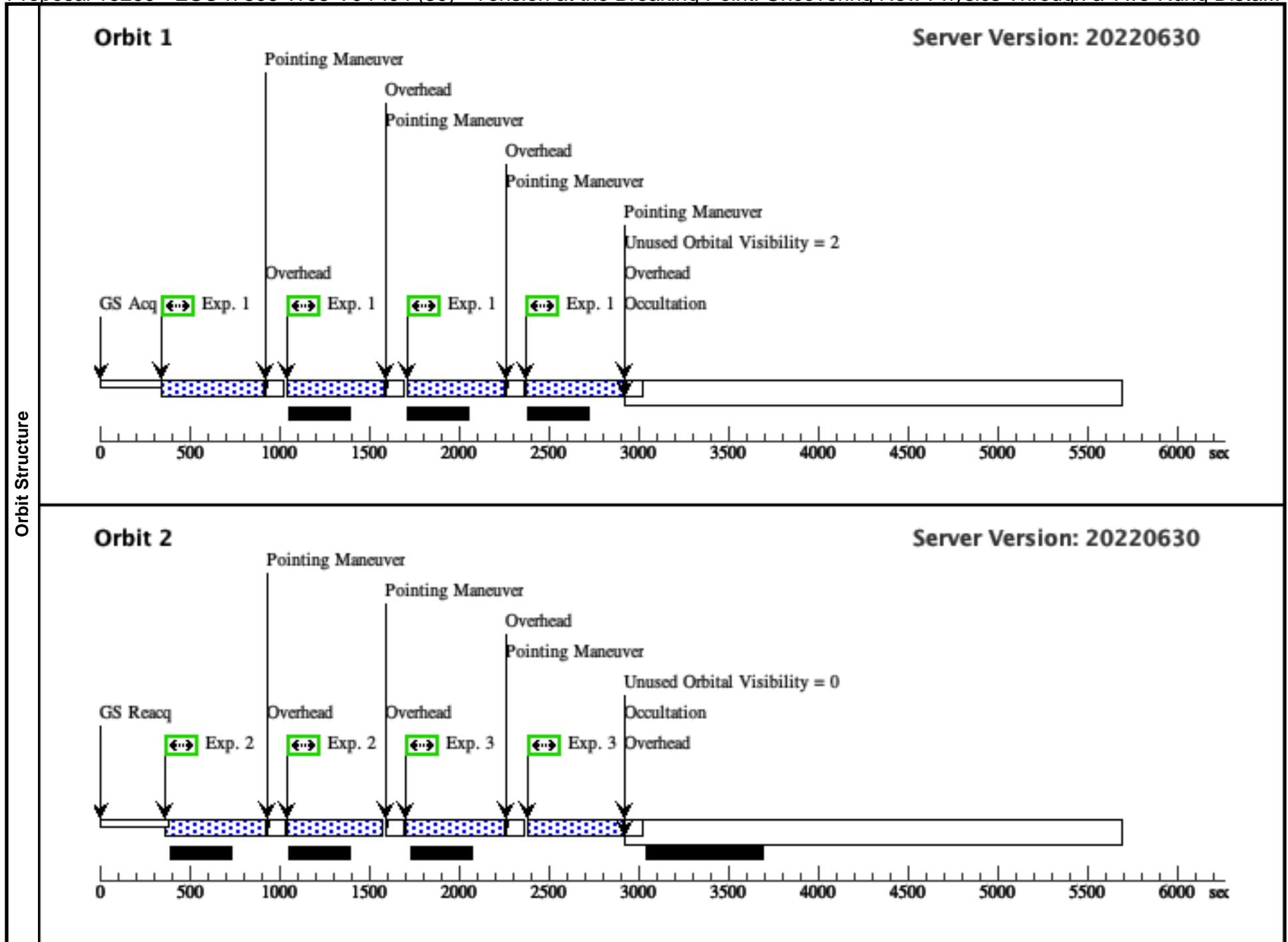
Proposal 16269 - ESO47806-W07-H04 (29) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance ...

Tue Sep 06 21:01:20 GMT 2022

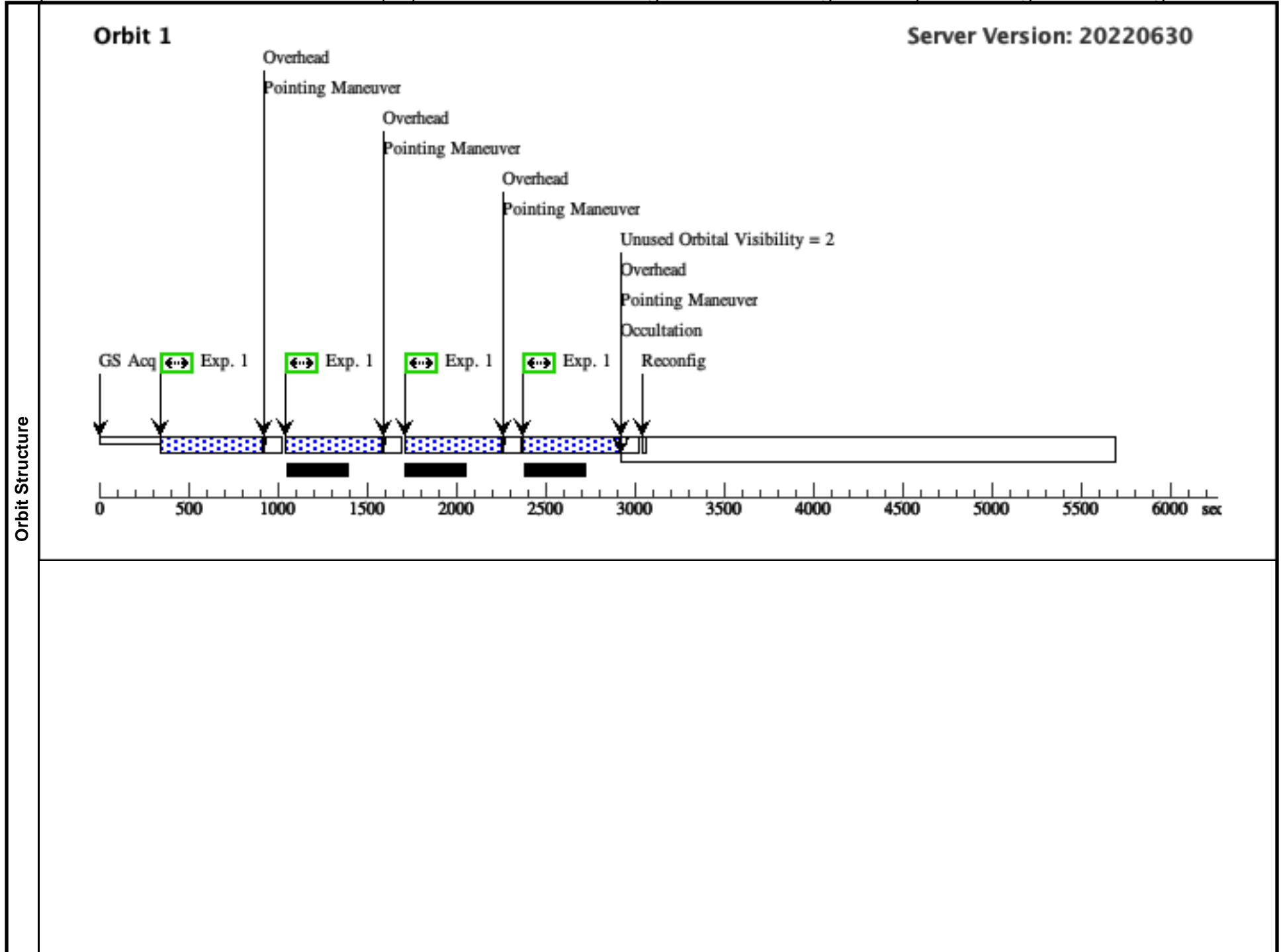
Visit	Proposal 16269, ESO47806-W07-H04 (29), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; AFTER 23 BY 57.6 D TO 58.6 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W07-H04 (29) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W07-H04 (29) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

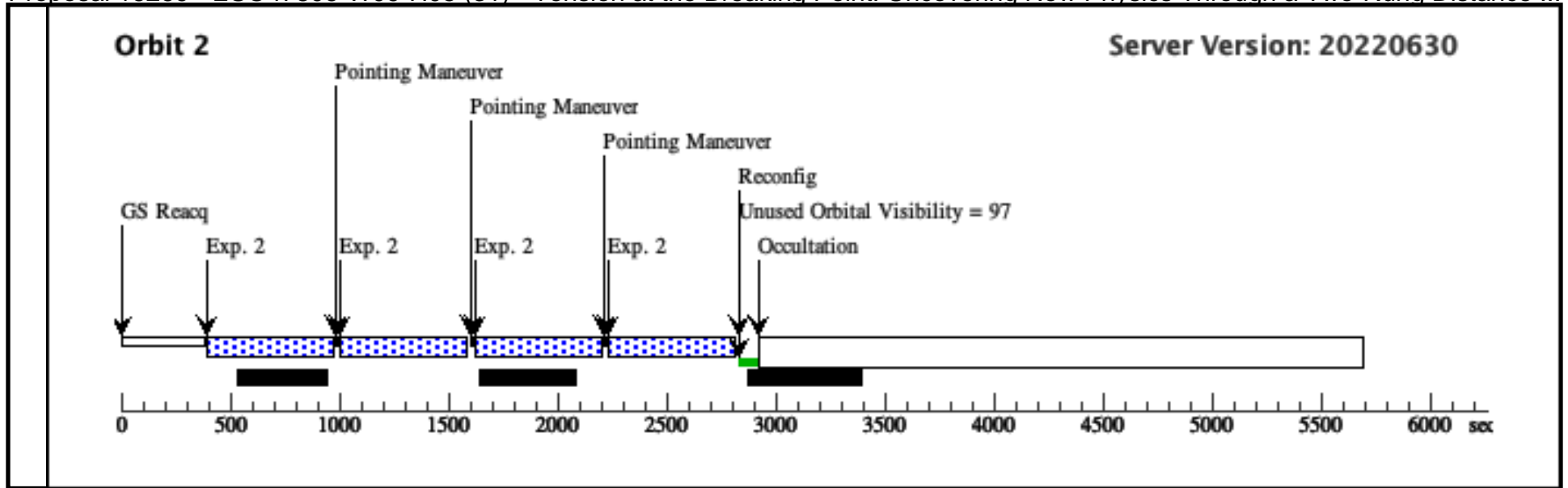


Visit	Proposal 16269, ESO47806-W08-V04-I04 (30), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 29; AFTER 23 BY 68.5 D TO 69.5 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in ESO47806-W08-V04-I04 (30))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in ESO47806-W08-V04-I04 (30))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W08-V04-I04 (30) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in ESO47806-W08-V04-I04 (30) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in ESO47806-W08-V04-I04 (30) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

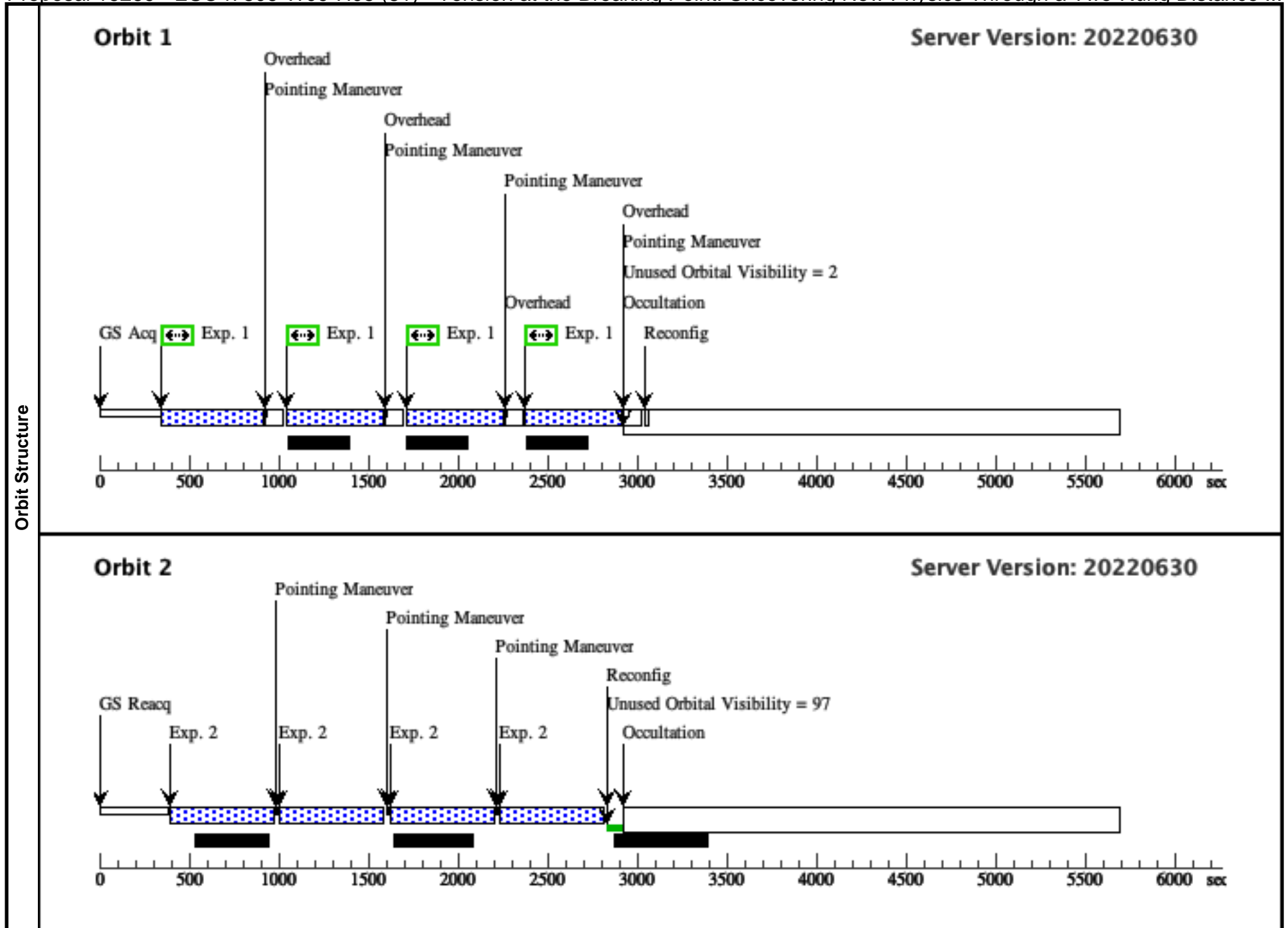


Visit	Proposal 16269, ESO47806-W09-H05 (31), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 29; AFTER 23 BY 80.8 D TO 81.8 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)			
(5)		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)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W09-H05 (31) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W09-H05 (31) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

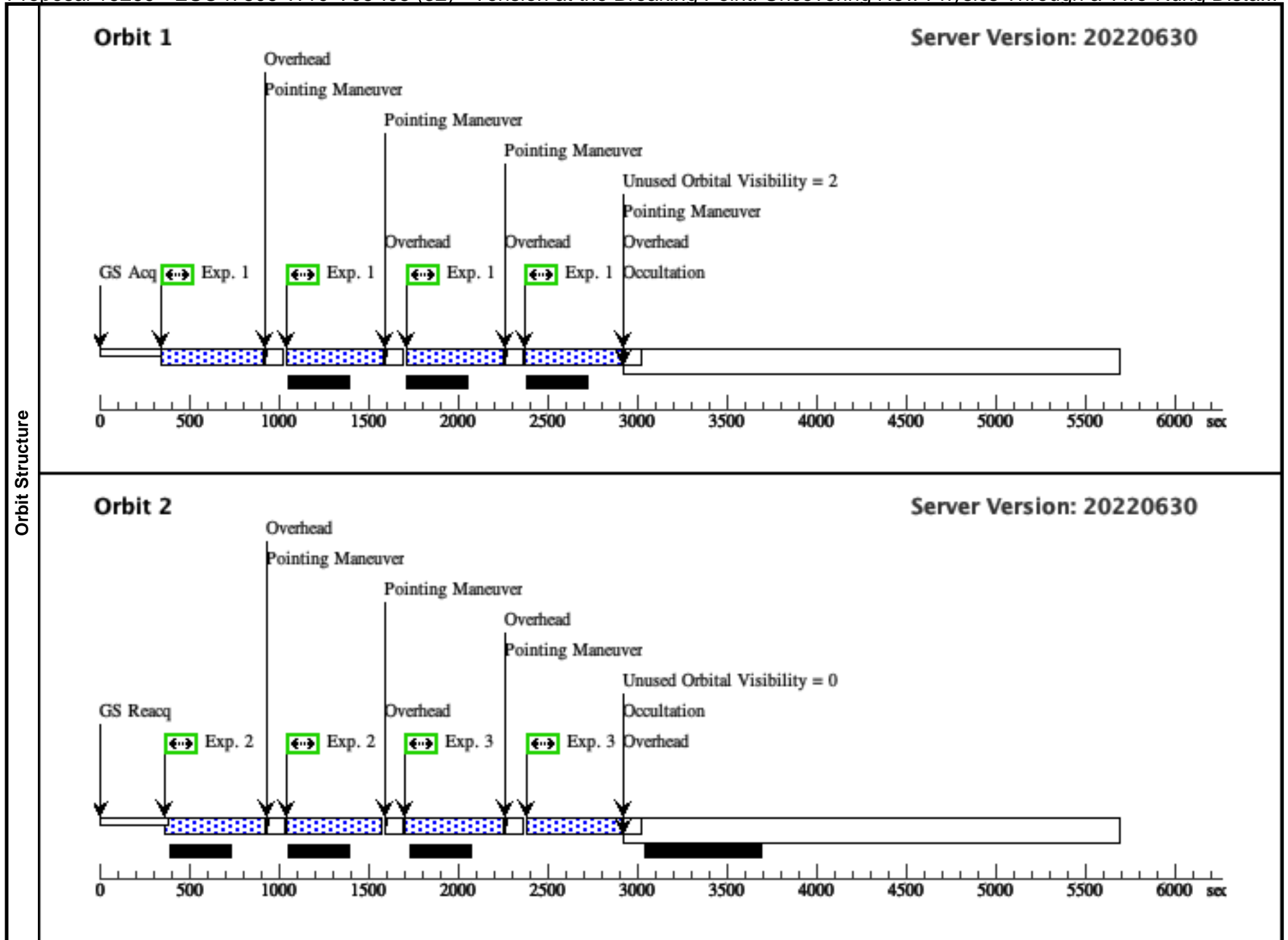




Visit	Proposal 16269, ESO47806-W09-H05 (81) Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100% <i>Comments: Repeat of failed visit 31</i>									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
		(3)	Pattern Type=WFC3-UVIS-DITHER-BOX 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						
	(5)	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)
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W09-H05 (81) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W09-H05 (81) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	



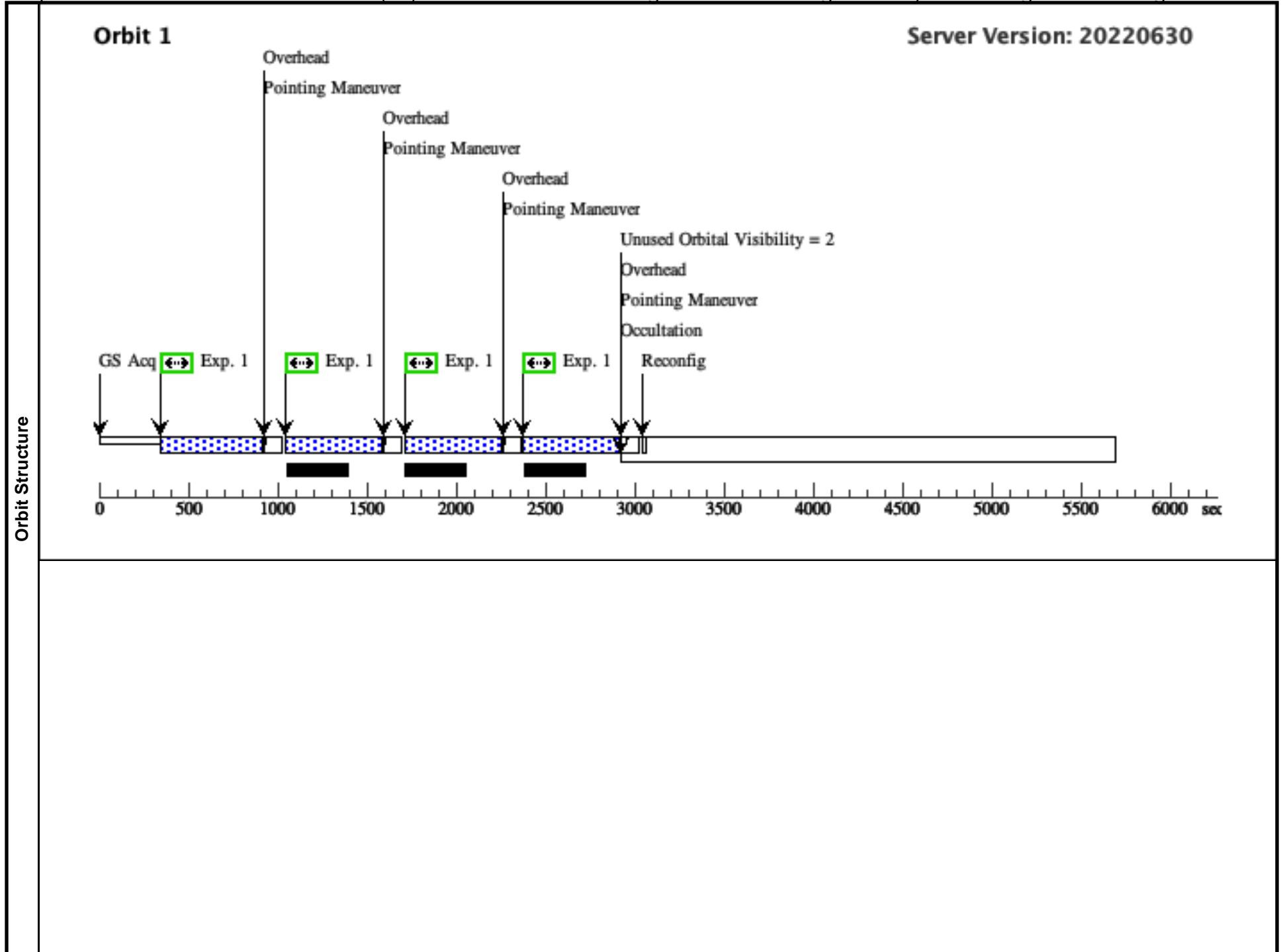
Visit	Proposal 16269, ESO47806-W10-V05-I05 (32), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 29; AFTER 23 BY 88.2 D TO 89.2 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in ESO47806-W10-V05-I05 (32))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in ESO47806-W10-V05-I05 (32))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W10-V05-I05 (32) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in ESO47806-W10-V05-I05 (32) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(9) ESO-478-6-UVIS	S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in ESO47806-W10-V05-I05 (32) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

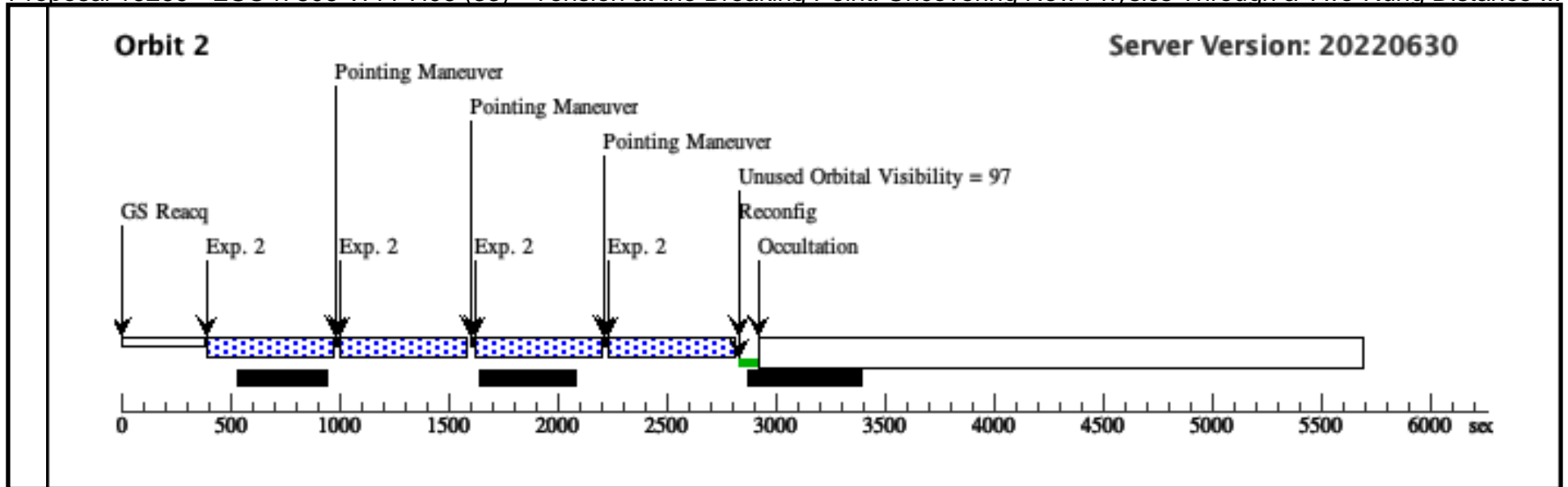


Proposal 16269 - ESO47806-W11-H06 (33) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance ...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, ESO47806-W11-H06 (33), scheduled Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 29; AFTER 23 BY 94.5 D TO 95.5 D									
	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)					
(5)		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)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(2)	ESO-478-6	RA: 02 09 18.0770 (32.3253208d) Dec: -23 24 54.24 (-23.41507d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD				
	<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]									
(9)	ESO-478-6-UVIS	RA: 02 09 19.2700 (32.3302917d) Dec: -23 25 30.90 (-23.42525d) Equinox: J2000	Epoch of Position: 2015.5	V=12.75	Reference Frame: SIMBAD					
<i>Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(9) ESO-478-6-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in ESO47806-W11-H06 (33) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(2) ESO-478-6	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in ESO47806-W11-H06 (33) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

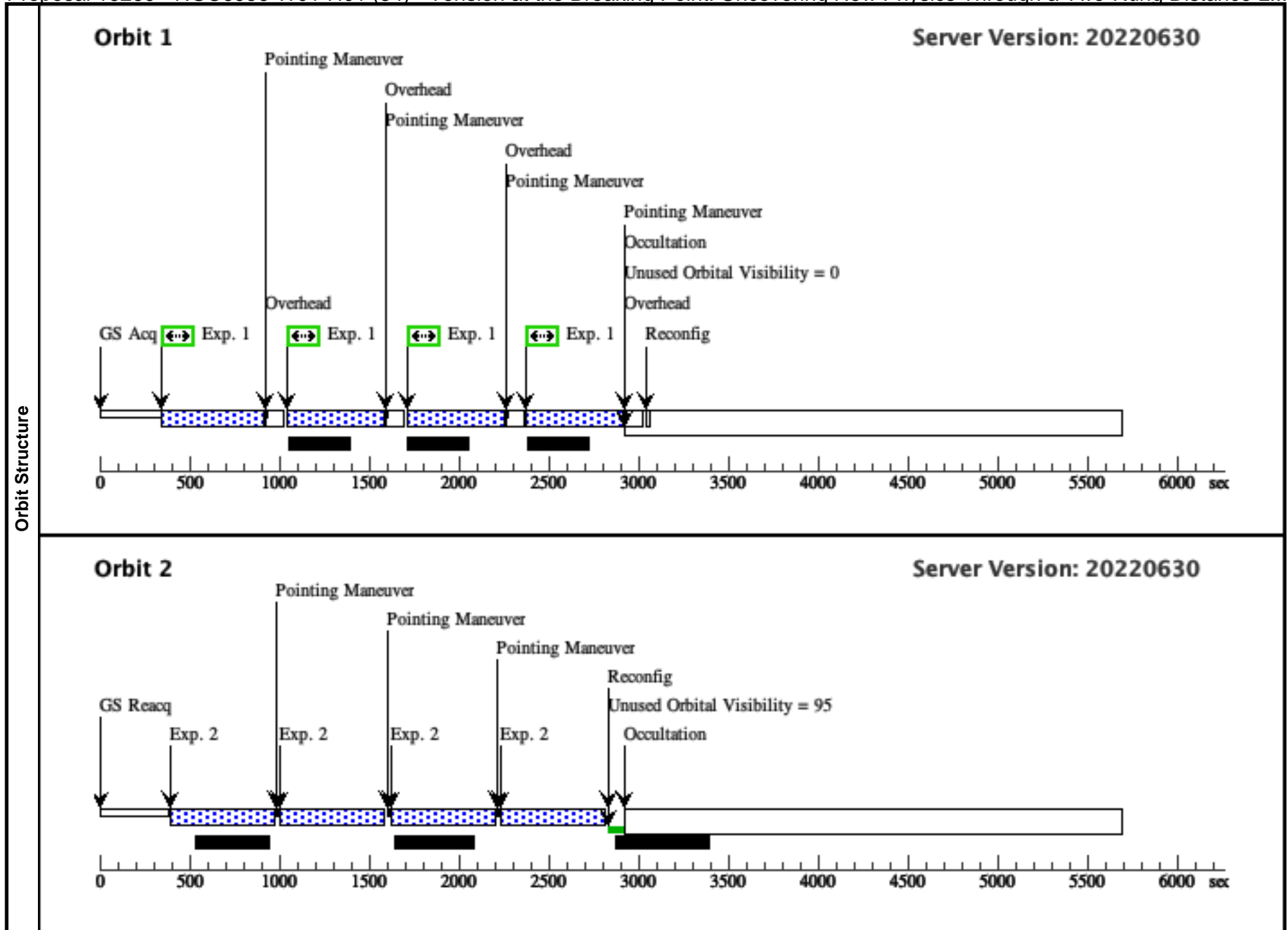




Proposal 16269 - NGC6956-W01-H01 (34) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

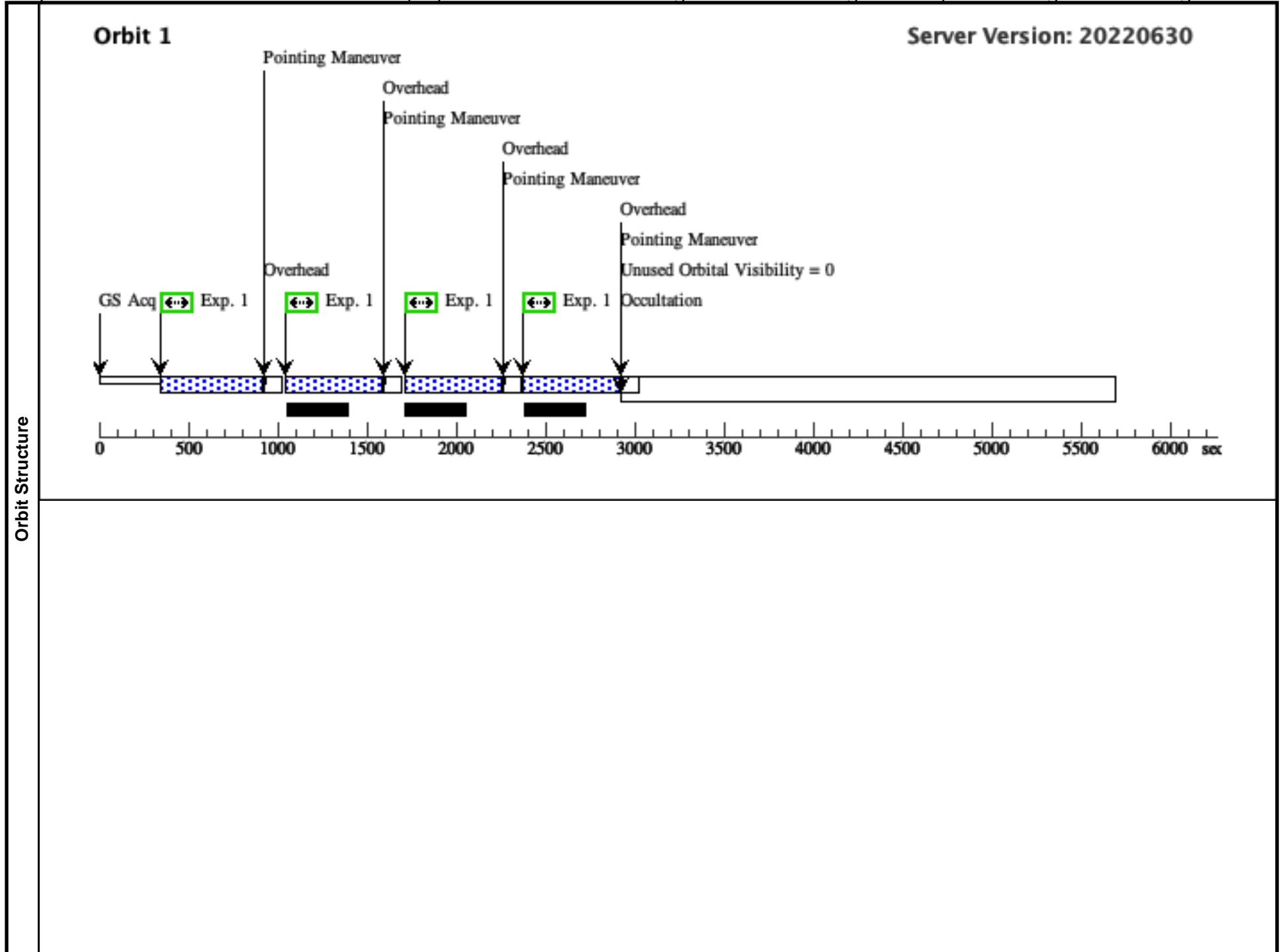
Visit	Proposal 16269, NGC6956-W01-H01 (34), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 260D TO 300 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS					
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W01-H01 (34) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W01-H01 (34) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

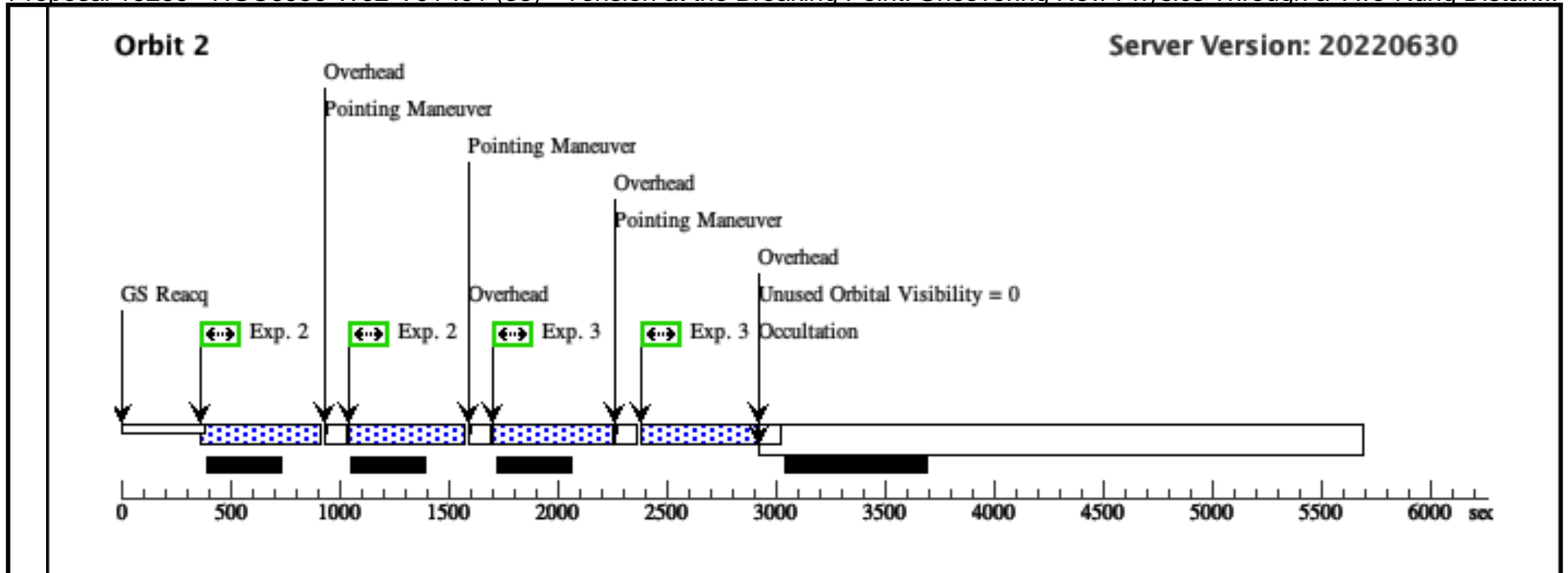


Proposal 16269 - NGC6956-W02-V01-I01 (35) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W02-V01-I01 (35), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 34; AFTER 34 BY 6.90 D TO 7.90 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC6956-W02-V01-I01 (35))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC6956-W02-V01-I01 (35))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
(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)							
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W02-V01-I01 (35) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 in NGC6956-W02-V01-I01 (35) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 in NGC6956-W02-V01-I01 (35) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

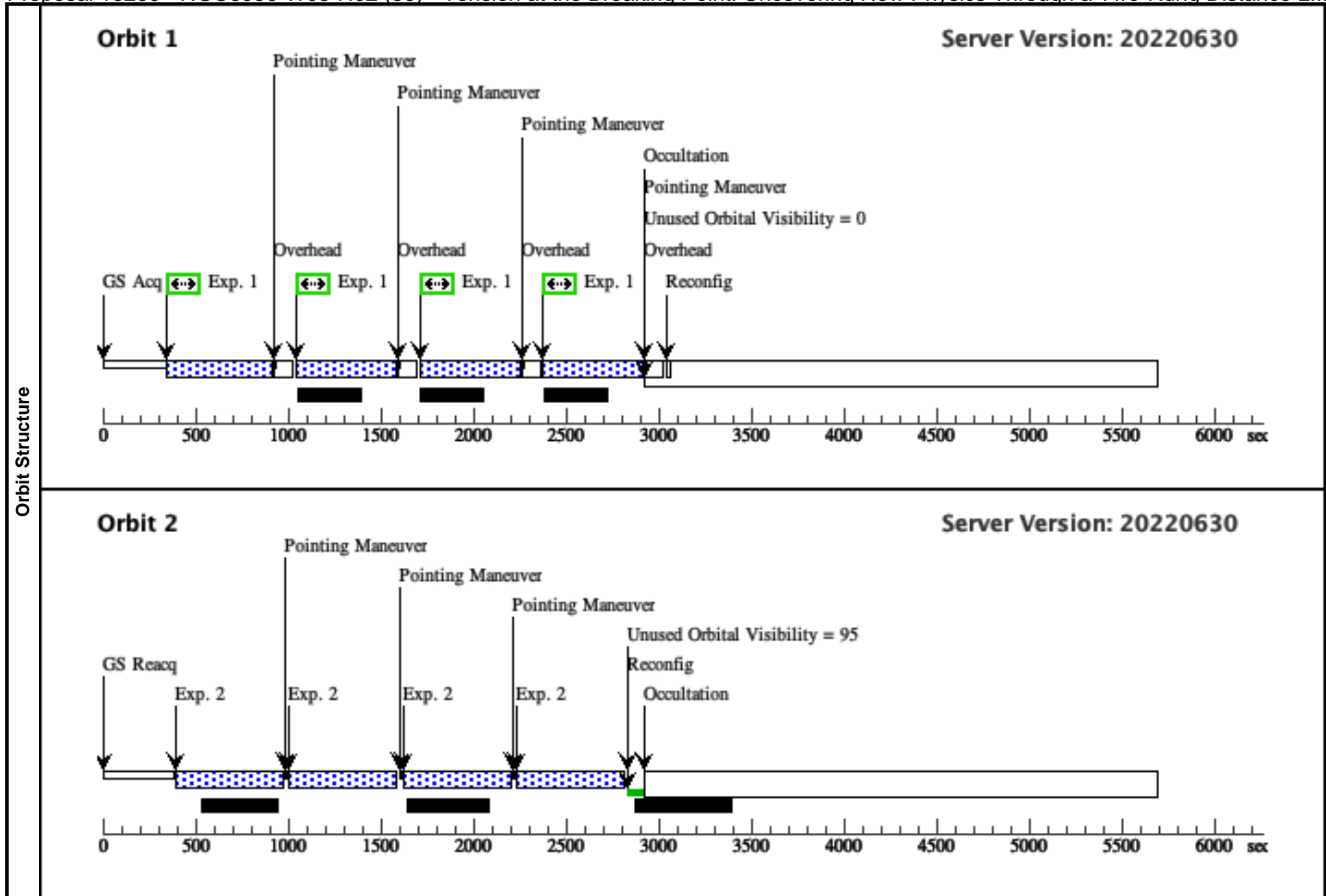




Proposal 16269 - NGC6956-W03-H02 (36) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W03-H02 (36), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 34; AFTER 34 BY 17.88 D TO 19.88 D									
	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)			
(5)		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)			
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000			V=14.0	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000			V=14.0	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W03-H02 (36) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W03-H02 (36) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

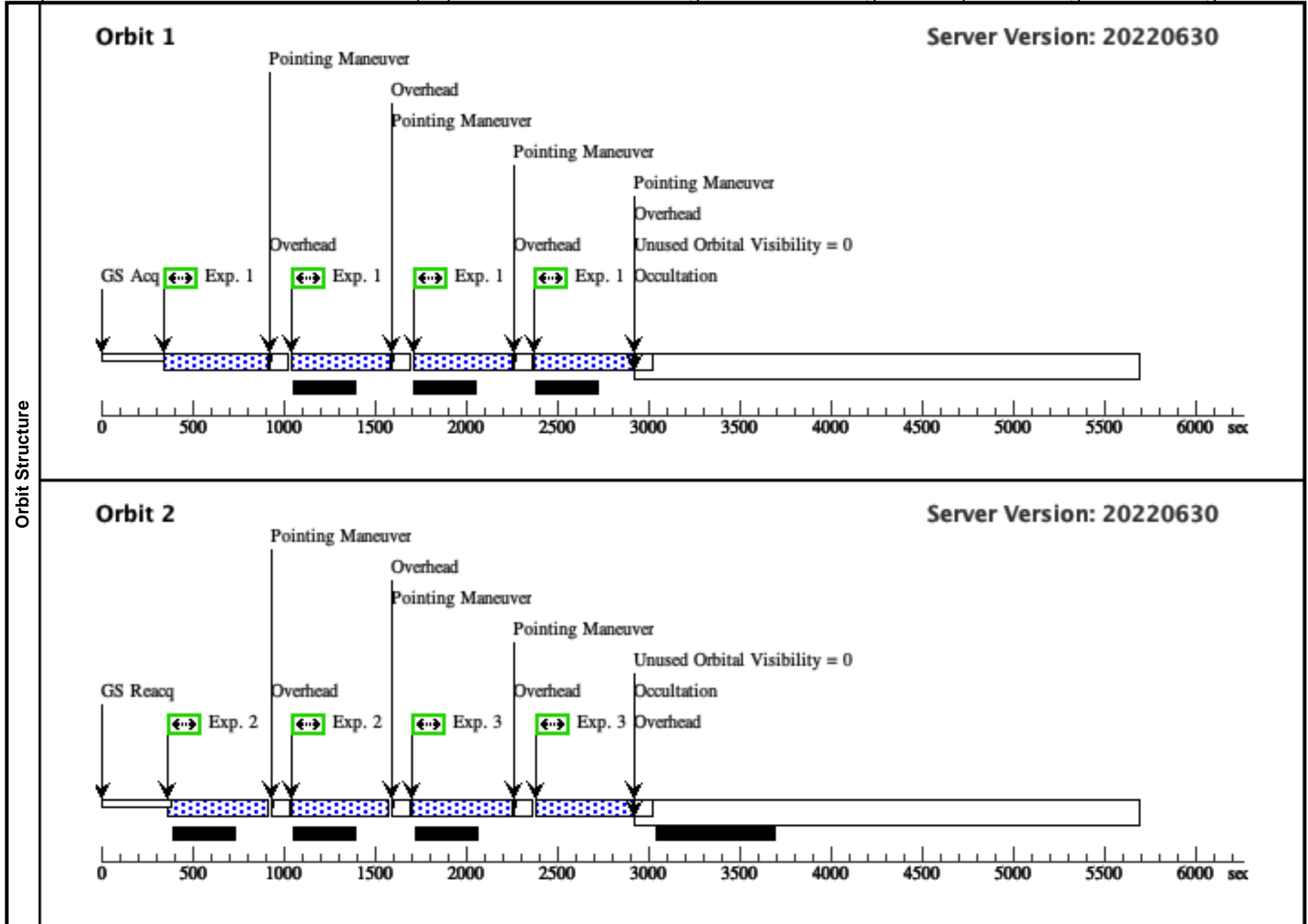


Visit	Proposal 16269, NGC6956-W03-H02-REPEAT (74), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
Patterns	#	Primary Pattern	Secondary Pattern		Exposures					
	(5)	Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 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)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(6) NGC-6956		WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 1-1 in NGC6956-W03-H02-REPEAT (74) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
Orbit Structure	Orbit 1									
	Server Version: 20220630 <p>The diagram shows a timeline for Orbit 1 from 0 to 6000 seconds. Key events include: GS Acq at ~100s, Exp. 1 at ~400s, Pointing Maneuver at ~1000s, Exp. 1 at ~1600s, Pointing Maneuver at ~1800s, Exp. 1 at ~2200s, Pointing Maneuver at ~2400s, Exp. 1 at ~2600s, Reconfig at ~2800s, Occultation at ~2900s, and a period of Unused Orbital Visibility from ~2900s to ~3500s. A blue checkered bar highlights the exposure periods, and a green bar highlights the reconfig period.</p>									

Proposal 16269 - NGC6956-W04-V02-I02 (37) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:20 GMT 2022

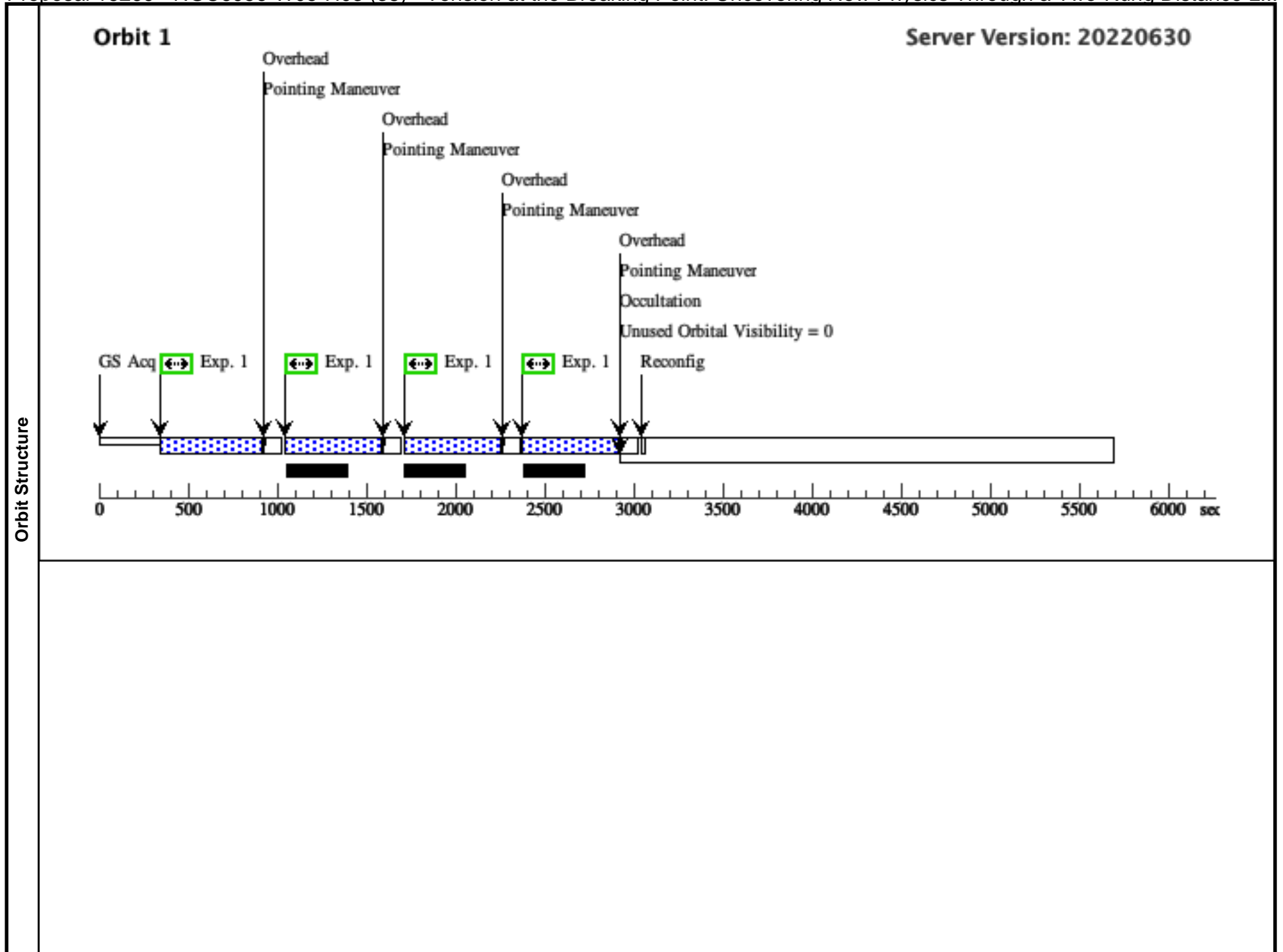
Visit	Proposal 16269, NGC6956-W04-V02-I02 (37), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 34; AFTER 34 BY 27.18 D TO 28.18 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC6956-W04-V02-I02 (37))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC6956-W04-V02-I02 (37))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC6956-W04-V 02-I02 (37) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 i n NGC6956-W04-V 02-I02 (37) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 i n NGC6956-W04-V 02-I02 (37) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

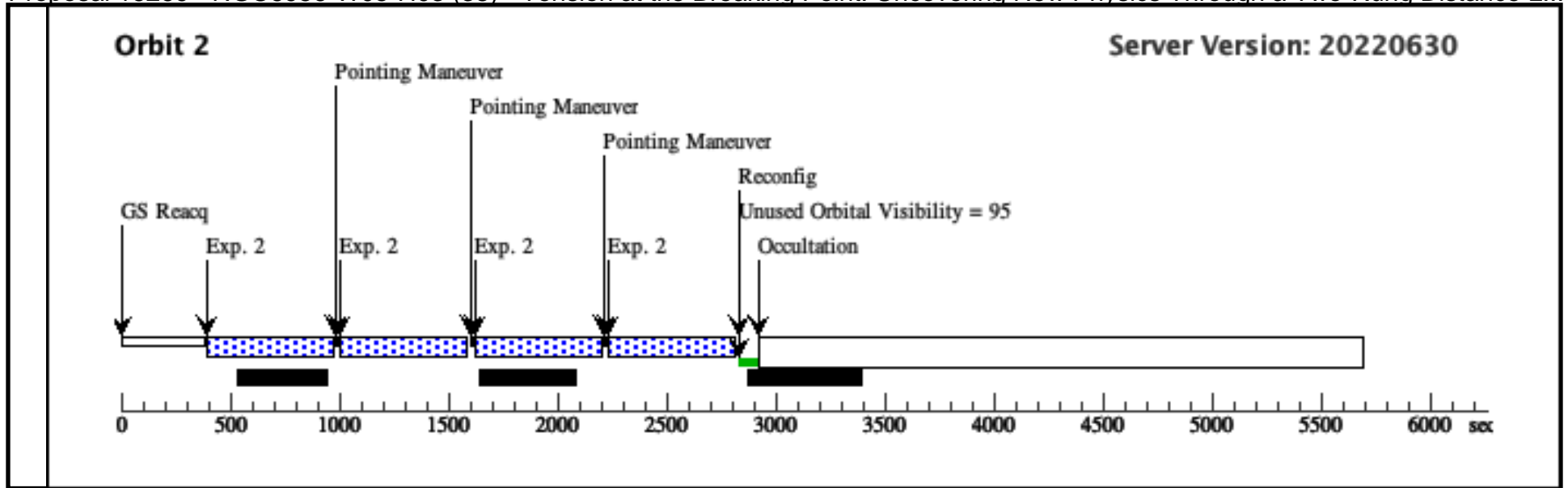


Proposal 16269 - NGC6956-W05-H03 (38) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W05-H03 (38), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 34; AFTER 34 BY 36.63 D TO 37.63 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W05-H03 (38) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W05-H03 (38) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

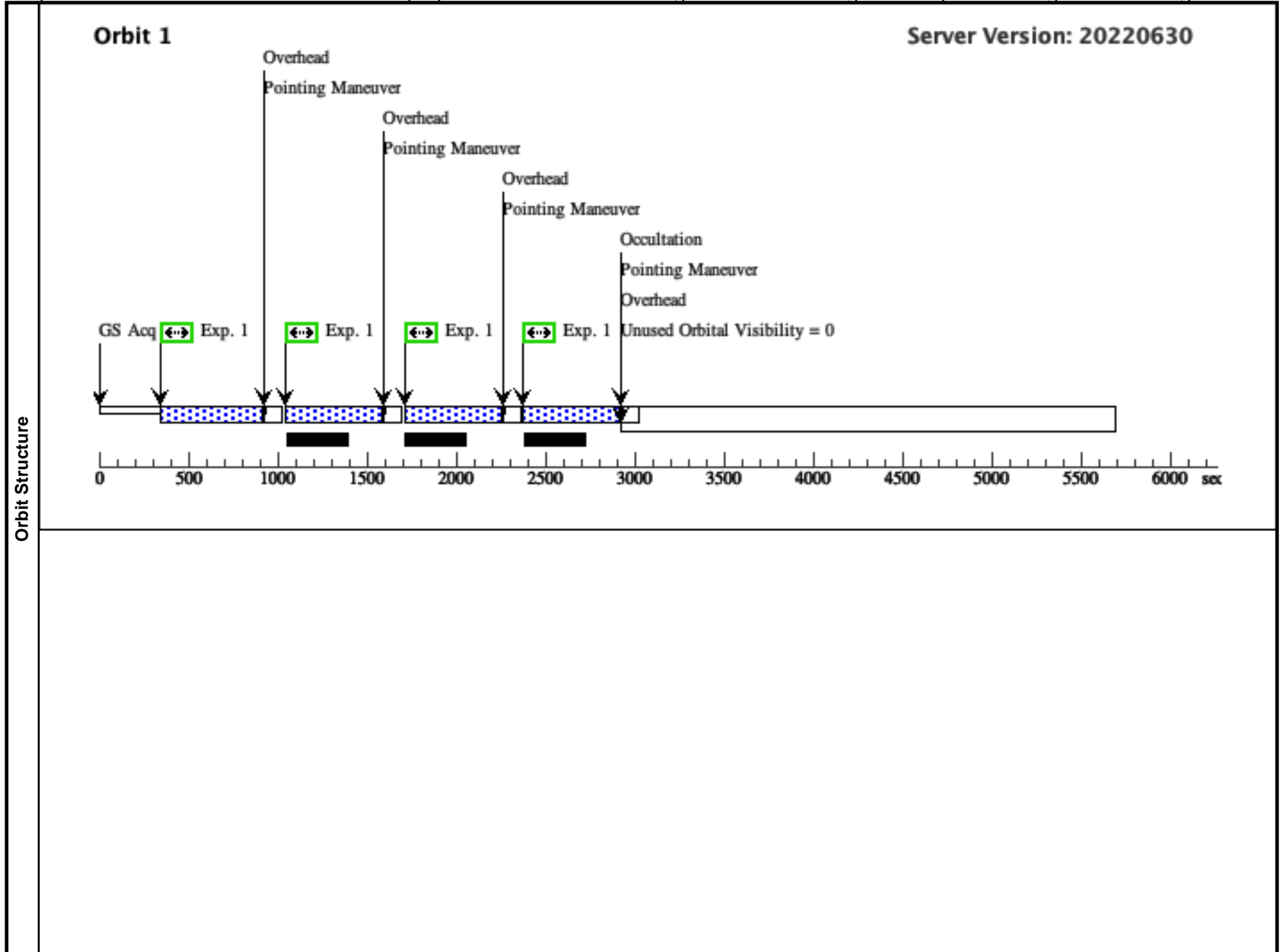


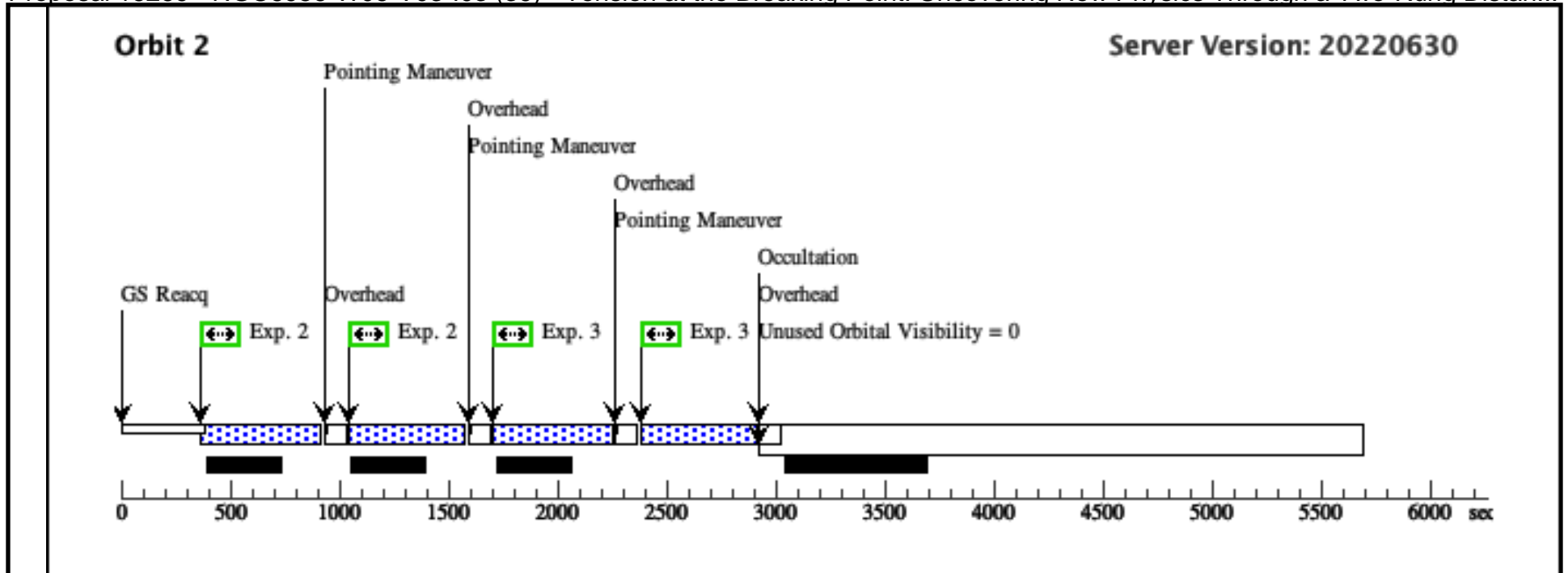


Proposal 16269 - NGC6956-W06-V03-I03 (39) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W06-V03-I03 (39), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 34; AFTER 34 BY 50.21 D TO 51.21 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC6956-W06-V03-I03 (39))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC6956-W06-V03-I03 (39))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC6956-W06-V 03-I03 (39) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 i n NGC6956-W06-V 03-I03 (39) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3		(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 i n NGC6956-W06-V 03-I03 (39) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

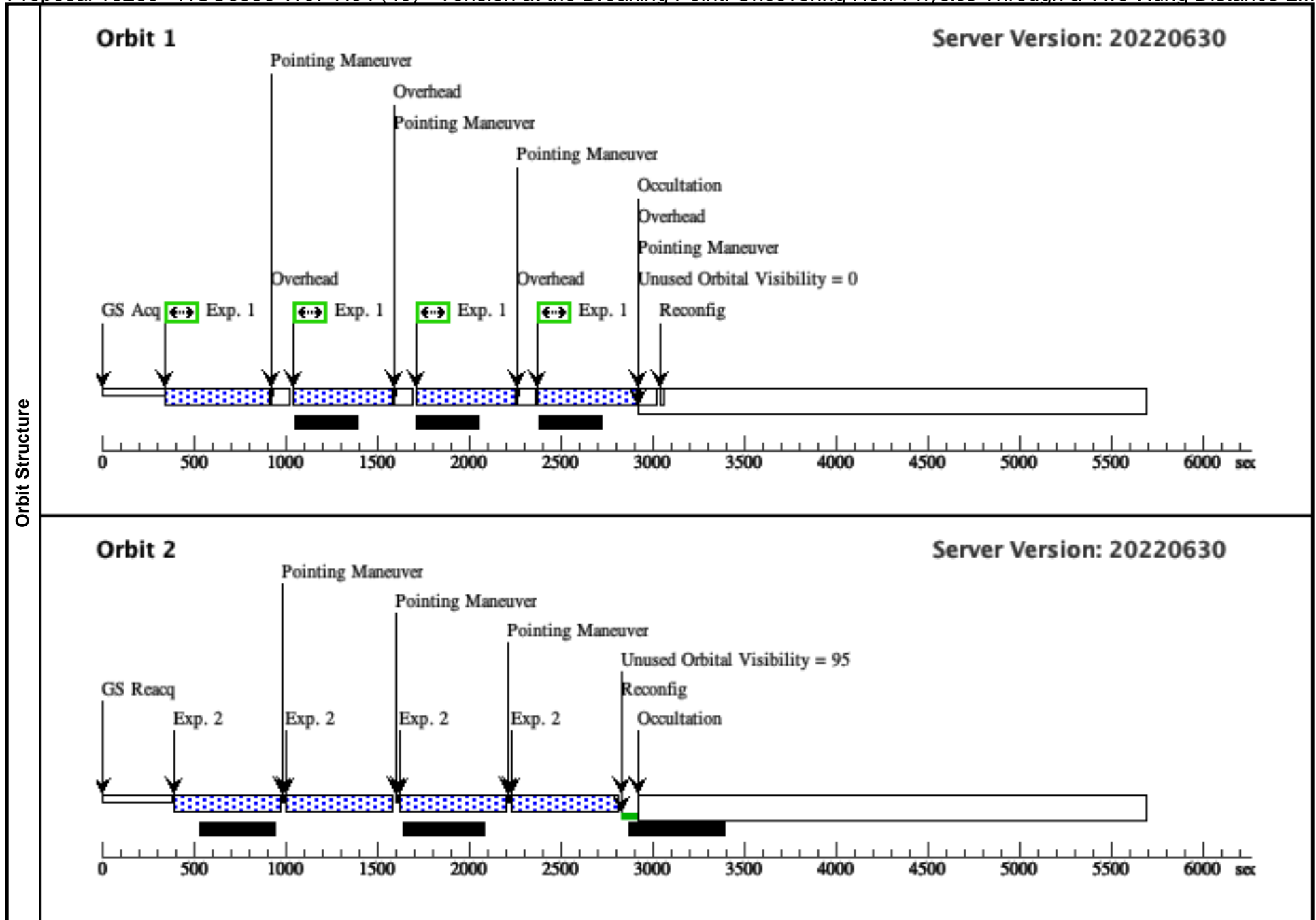




Proposal 16269 - NGC6956-W07-H04 (40) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

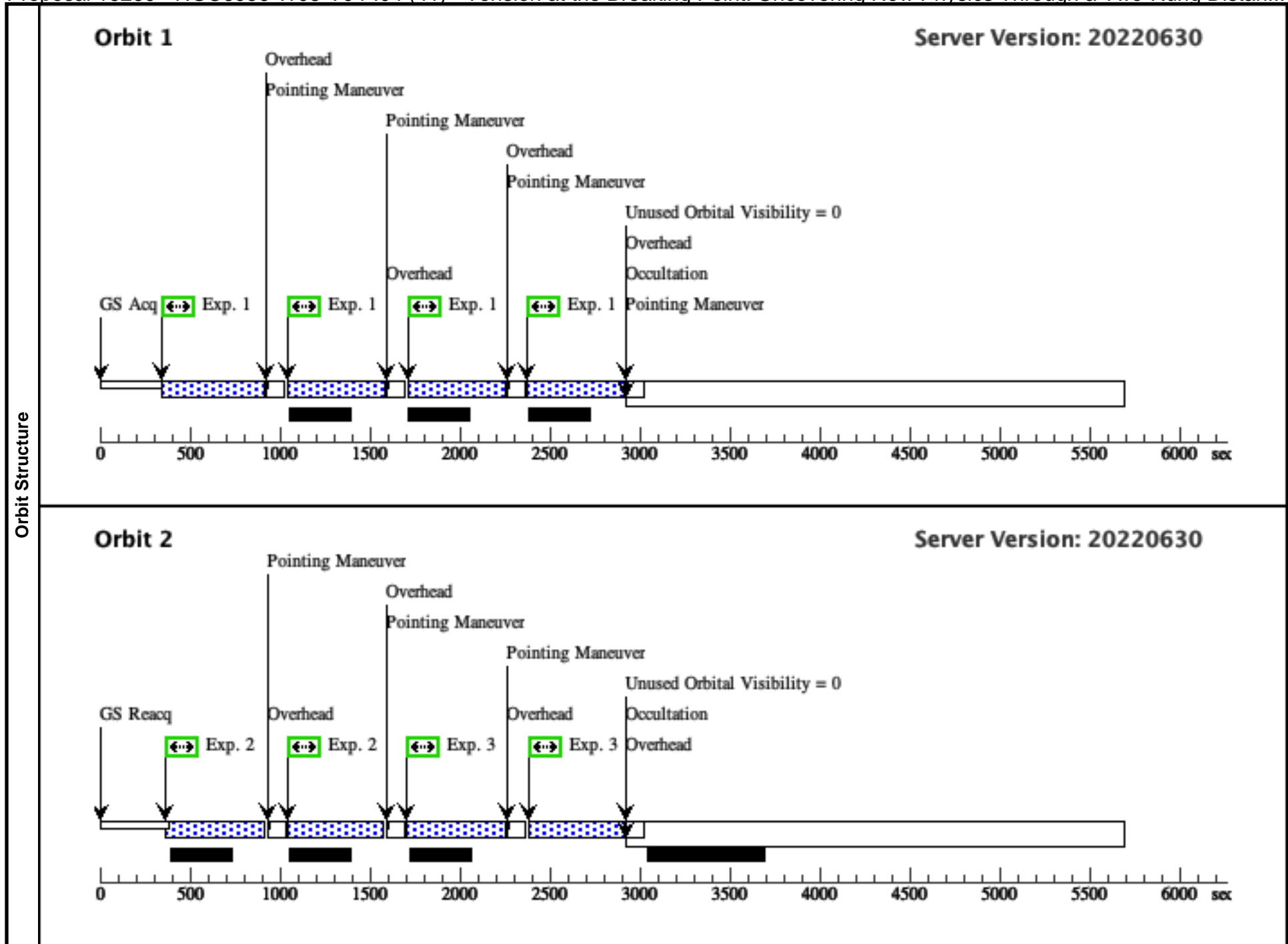
Visit	Proposal 16269, NGC6956-W07-H04 (40), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 180D TO 240 D; AFTER 34 BY 60.68 D TO 61.68 D										
	Patterns	#	Primary Pattern				Secondary Pattern			Exposures	
(3)		Pattern 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)		
(5)		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)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000				V=14.0	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000				V=14.0	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W07-H04 (40) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W07-H04 (40) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]



Proposal 16269 - NGC6956-W08-V04-I04 (41) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:20 GMT 2022

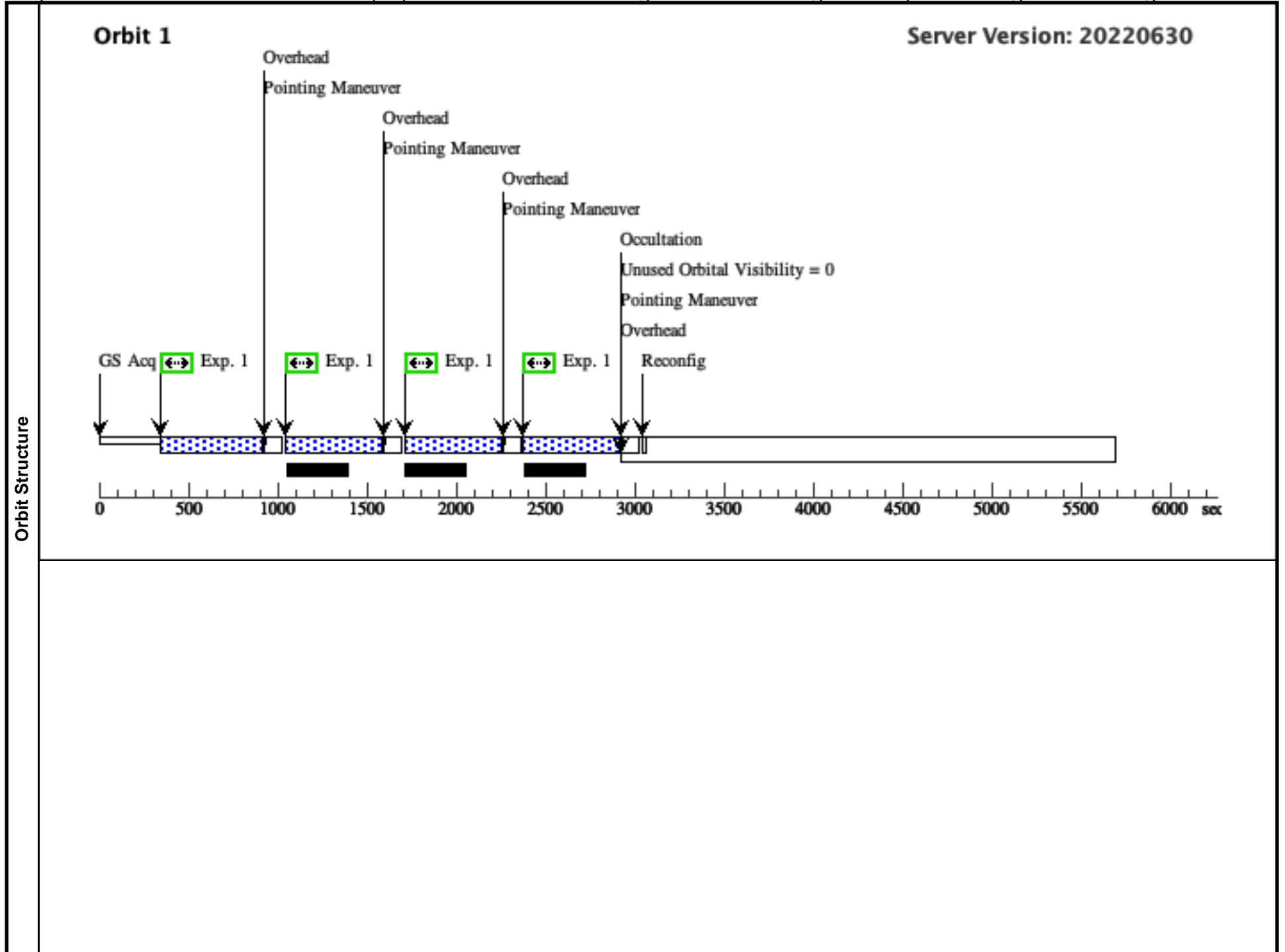
Visit	Proposal 16269, NGC6956-W08-V04-I04 (41), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC6956-W08-V04-I04 (41))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC6956-W08-V04-I04 (41))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 in NGC6956-W08-V04-I04 (41) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 in NGC6956-W08-V04-I04 (41) (1)	531 Secs (1062 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 in NGC6956-W08-V04-I04 (41) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]

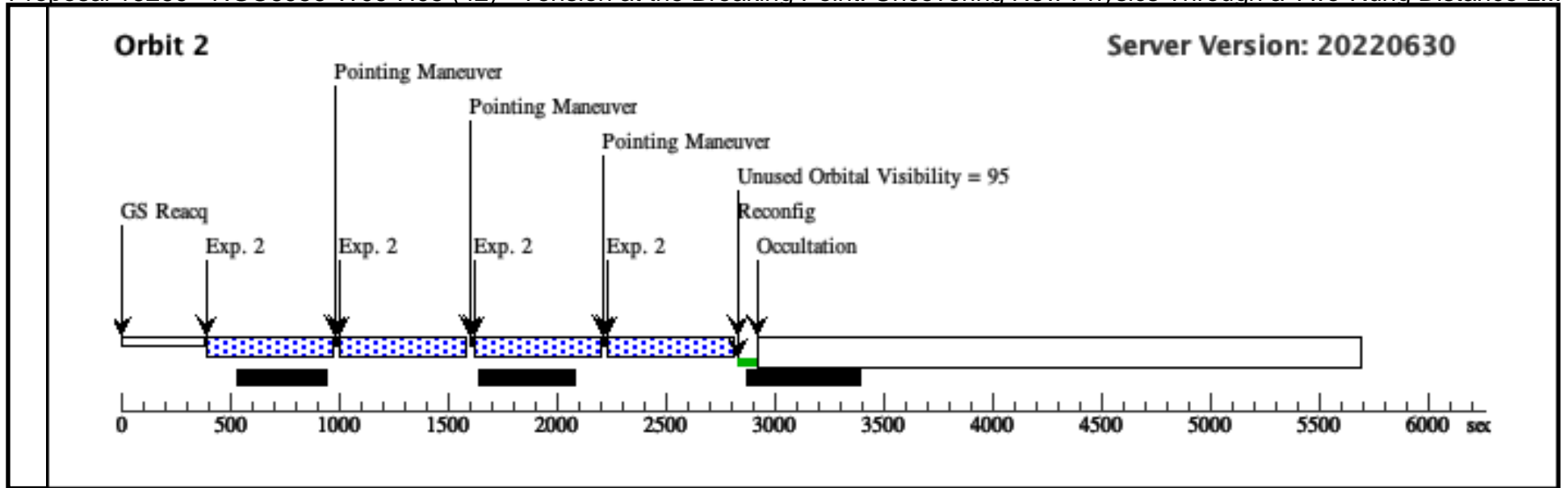


Proposal 16269 - NGC6956-W09-H05 (42) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W09-H05 (42), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; AFTER 41 BY 8 D TO 30 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W09-H05 (42) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W09-H05 (42) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]	

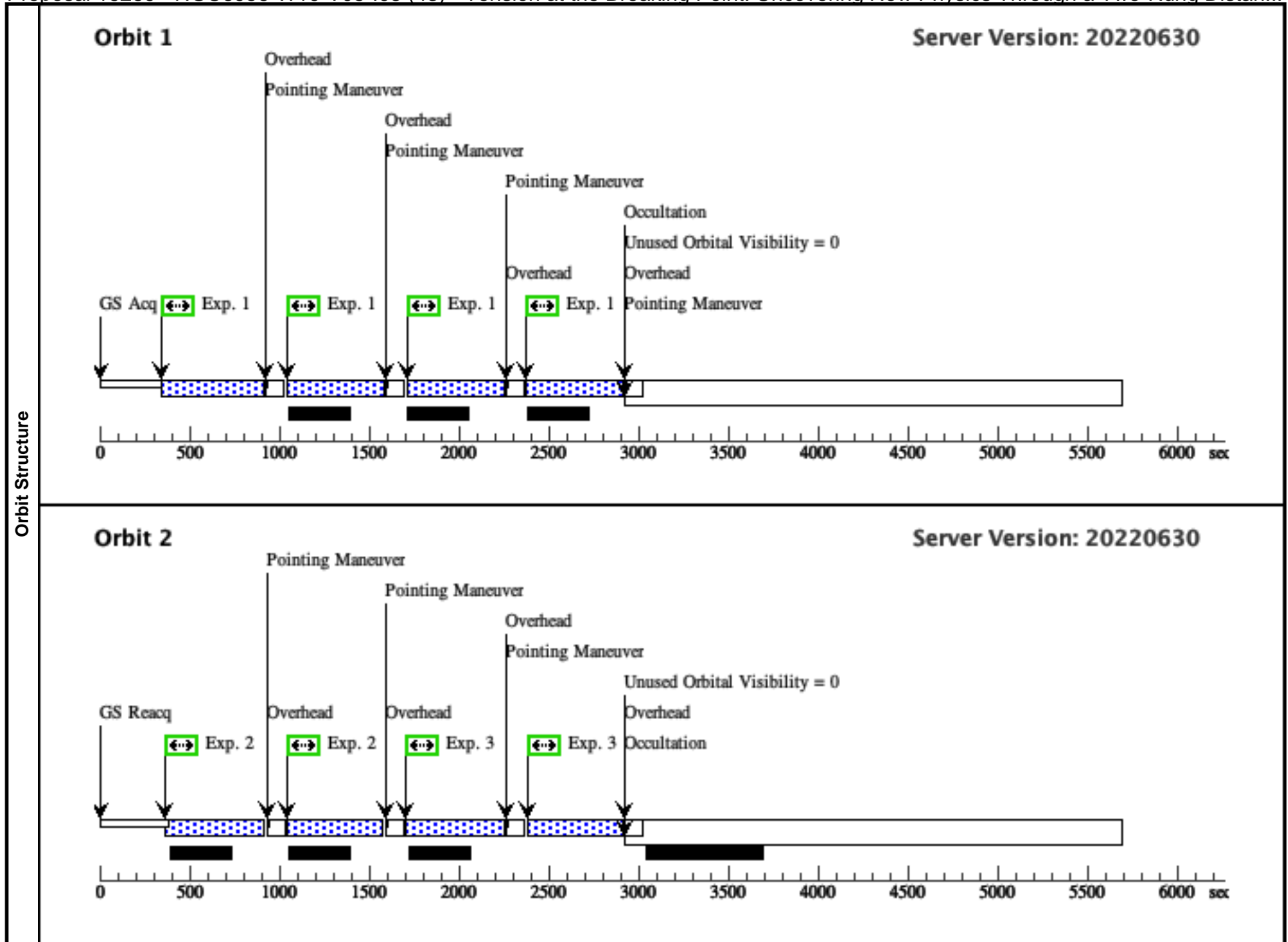




Proposal 16269 - NGC6956-W10-V05-I05 (43) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distan...

Tue Sep 06 21:01:20 GMT 2022

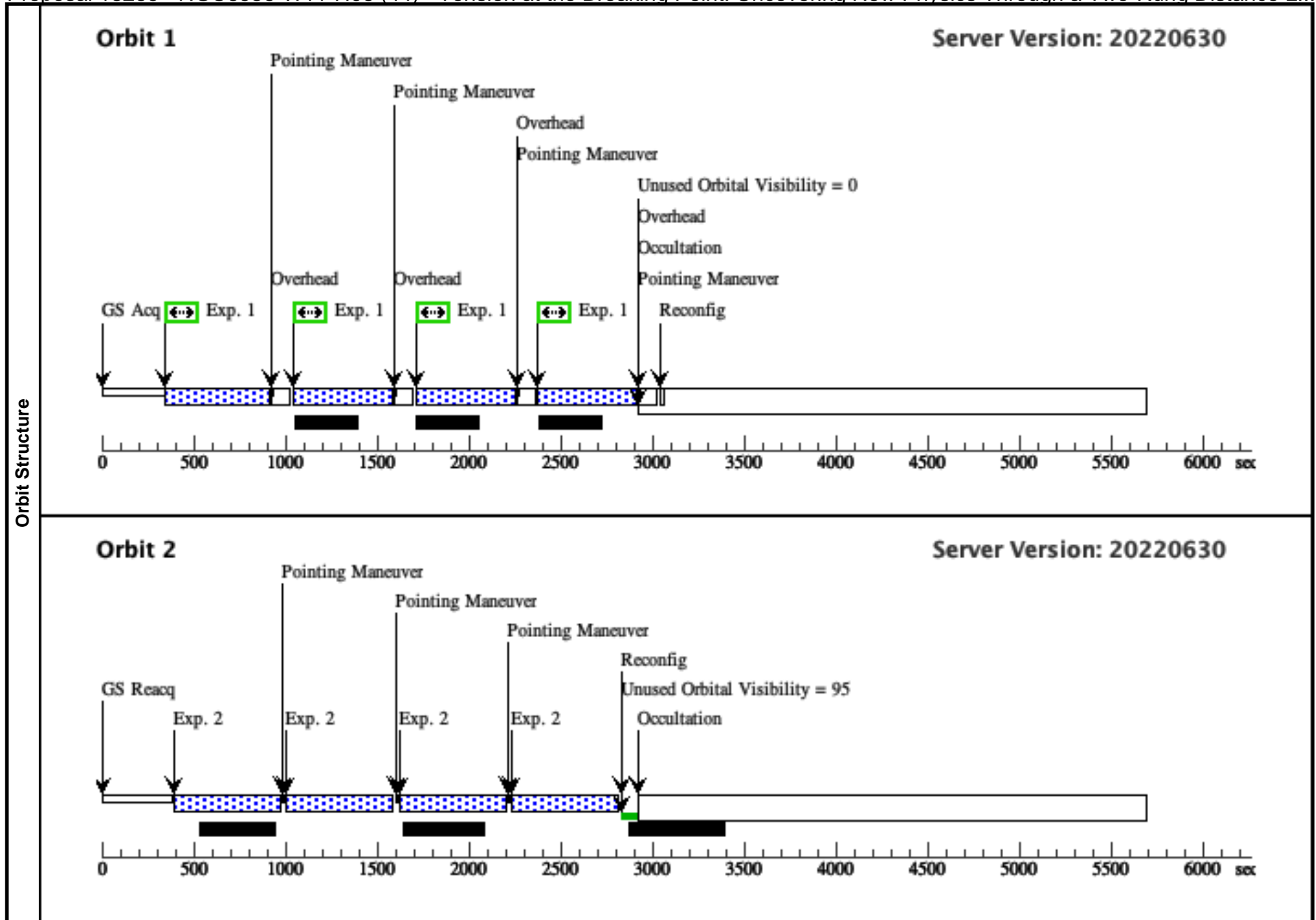
Visit	Proposal 16269, NGC6956-W10-V05-I05 (43), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; AFTER 34									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC6956-W10-V05-I05 (43))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC6956-W10-V05-I05 (43))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser									
Diagnos										
Patterns	#	Primary Pattern	Secondary Pattern	Exposures						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
Patterns	(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)					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000		V=14.0	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(10) NGC-6956-UVI S	(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC6956-W10-V 05-I05 (43) (3)	538 Secs (2152 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
	2	(10) NGC-6956-UVI S	(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W			Pattern 1, Exps 2-2 i n NGC6956-W10-V 05-I05 (43) (1)	531 Secs (1062 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[2]
	3	(10) NGC-6956-UVI S	(10) NGC-6956-UVI S	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W			Pattern 1, Exps 3-3 i n NGC6956-W10-V 05-I05 (43) (1)	532 Secs (1064 Secs) [=>(Pattern 1)] [=>(Pattern 2)]	[2]



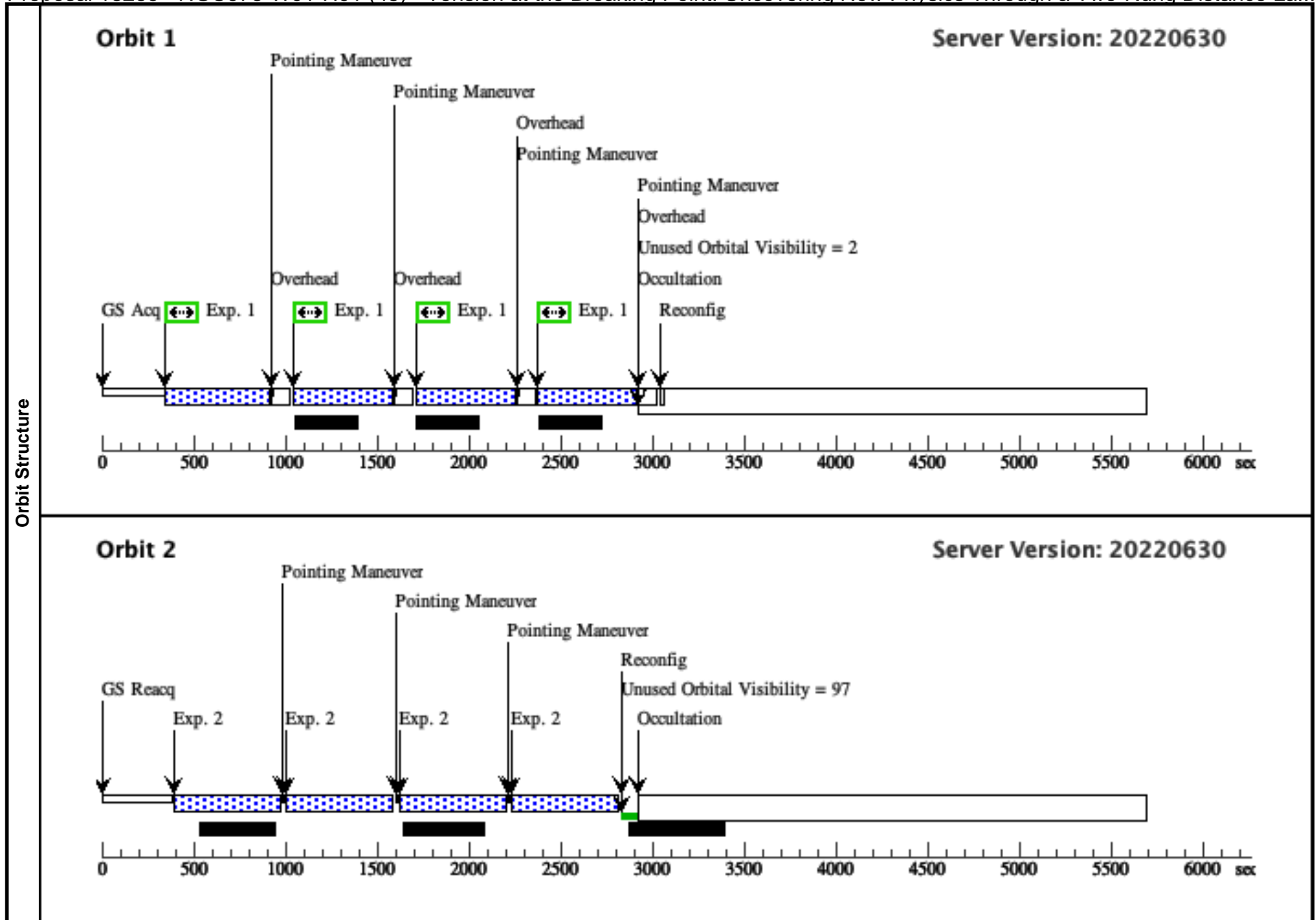
Proposal 16269 - NGC6956-W11-H06 (44) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance L...

Tue Sep 06 21:01:20 GMT 2022

Visit	Proposal 16269, NGC6956-W11-H06 (44), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 40; AFTER 34 BY 99.5 D TO 100.5 D										
	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)		
(5)		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)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(6)	NGC-6956	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000				V=14.0	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
(10)	NGC-6956-UVIS	RA: 20 43 53.7237 (310.9738487d) Dec: +12 30 42.87 (12.51191d) Equinox: J2000				V=14.0	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(10) NGC-6956-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC6956-W11-H06 (44) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(6) NGC-6956	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC6956-W11-H06 (44) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]



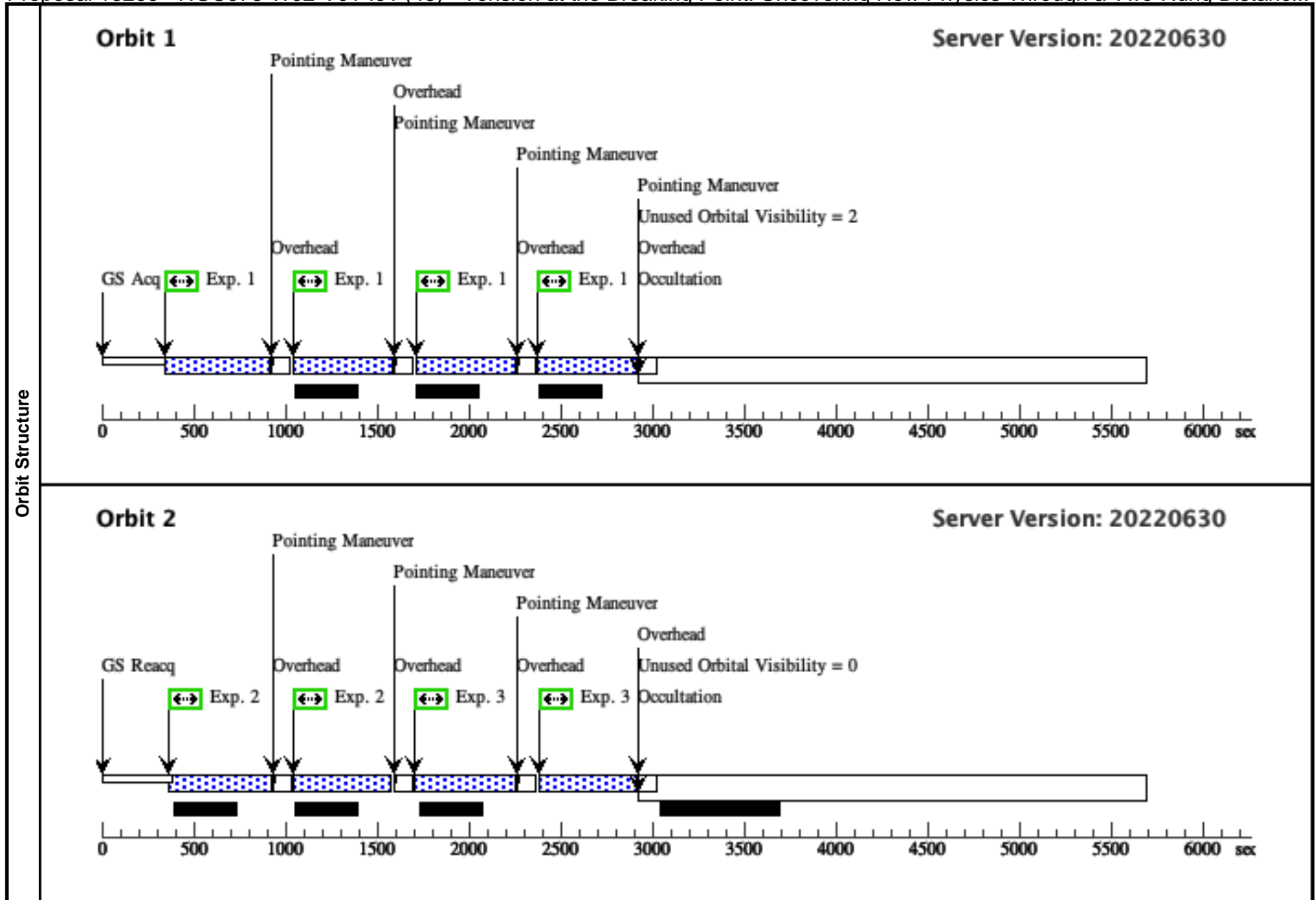
Visit	Proposal 16269, NGC976-W01-H01 (45), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; ORIENT 70D TO 80 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX Purpose=DITHER 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS					
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC976-W01-H01 (45) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W		NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC976-W01-H01 (45) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



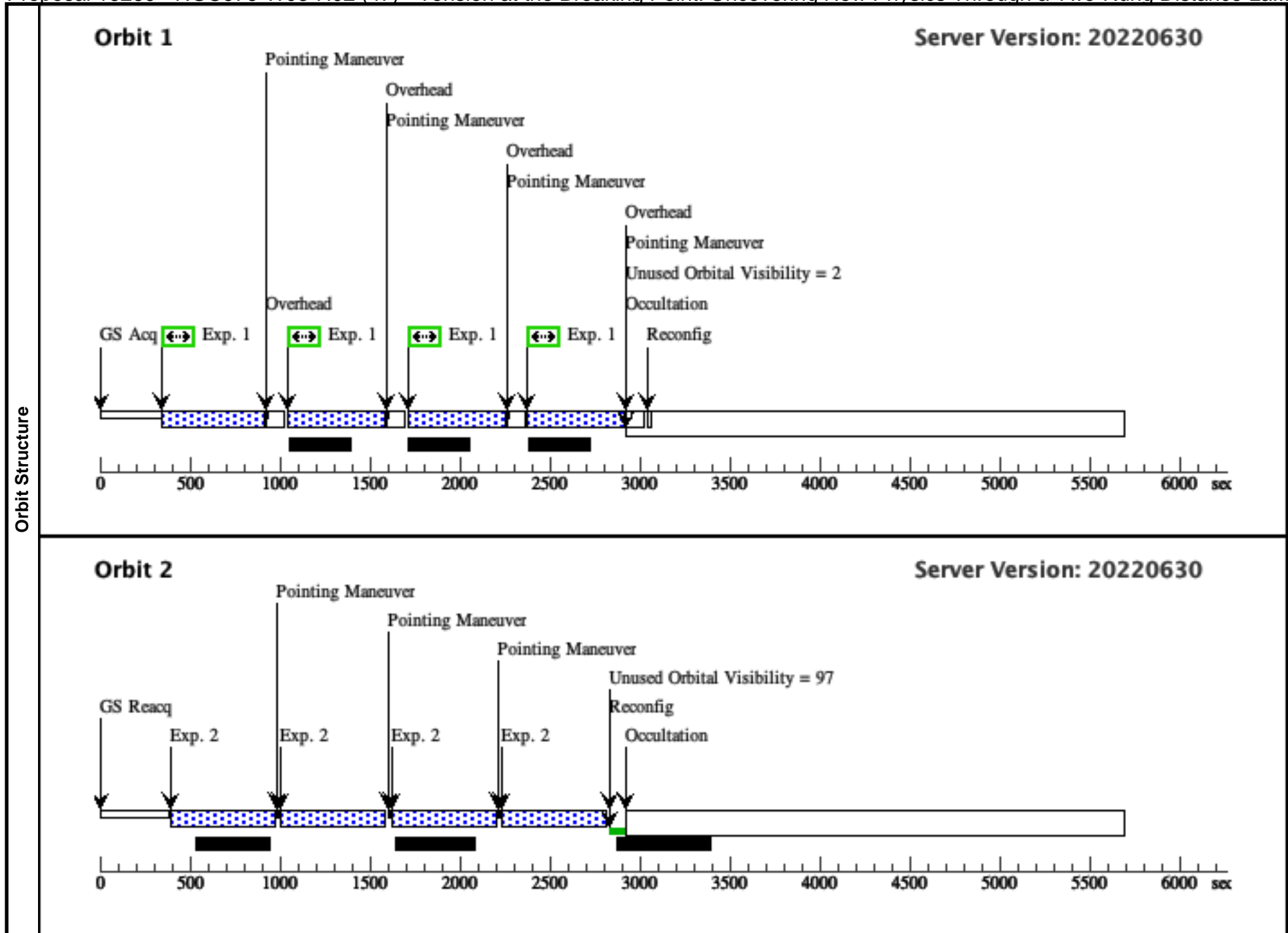
Proposal 16269 - NGC976-W02-V01-I01 (46) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

Tue Sep 06 21:01:21 GMT 2022

Visit	Proposal 16269, NGC976-W02-V01-I01 (46), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 6.90 D TO 7.90 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC976-W02-V01-I01 (46))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC976-W02-V01-I01 (46))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC976-W02-V0 1-I01 (46) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC976-W02-V0 1-I01 (46) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC976-W02-V0 1-I01 (46) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



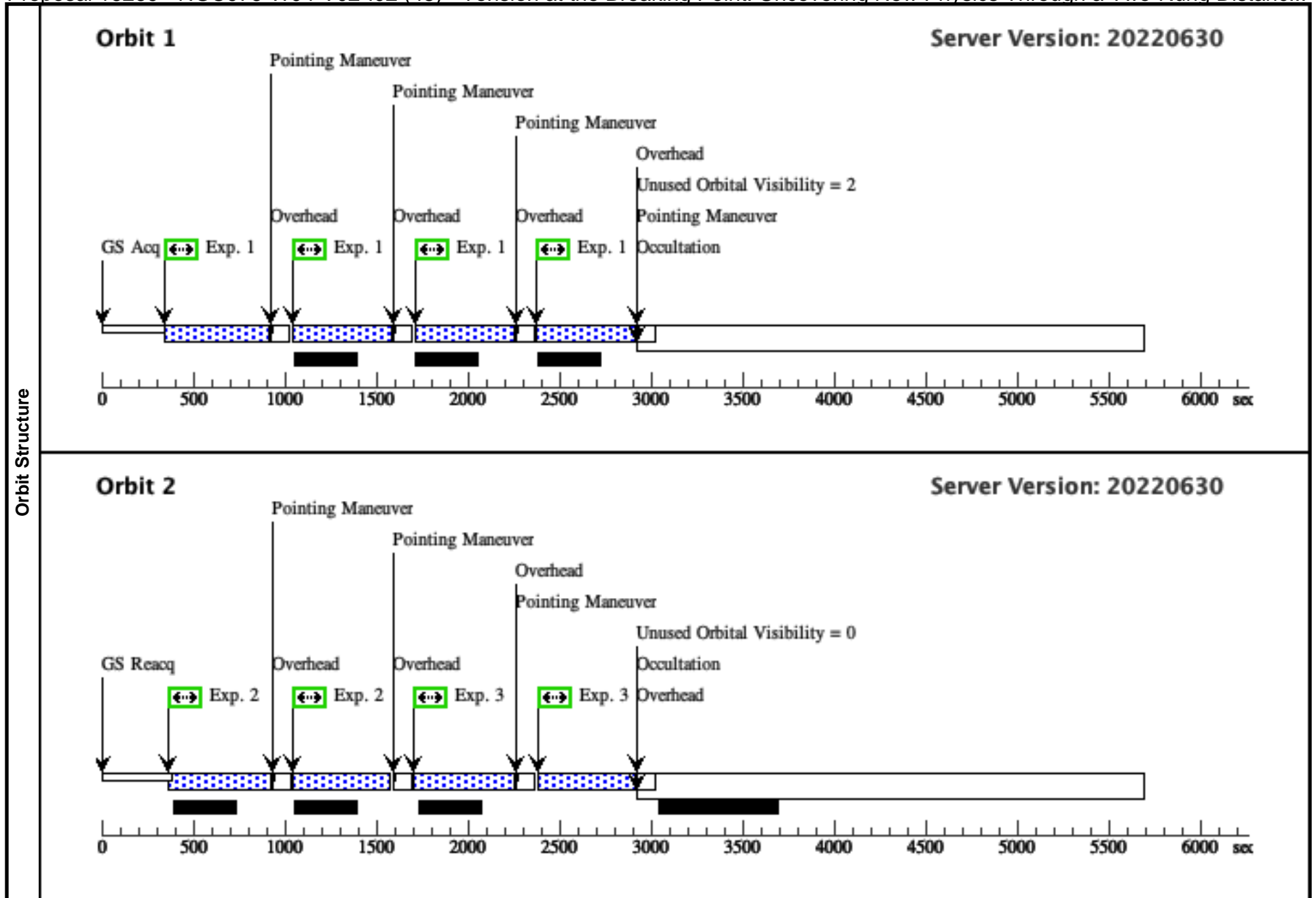
Visit	Proposal 16269, NGC976-W03-H02 (47), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 18.88 D TO 19.88 D									
	#	Primary Pattern	Secondary Pattern	Exposures						
Patterns	(3)	Pattern Type=WFC3-UVIS-DITHER-BOX 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)						
	(5)	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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS					
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC976-W03-H02 (47) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC976-W03-H02 (47) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



Proposal 16269 - NGC976-W04-V02-I02 (48) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

Tue Sep 06 21:01:21 GMT 2022

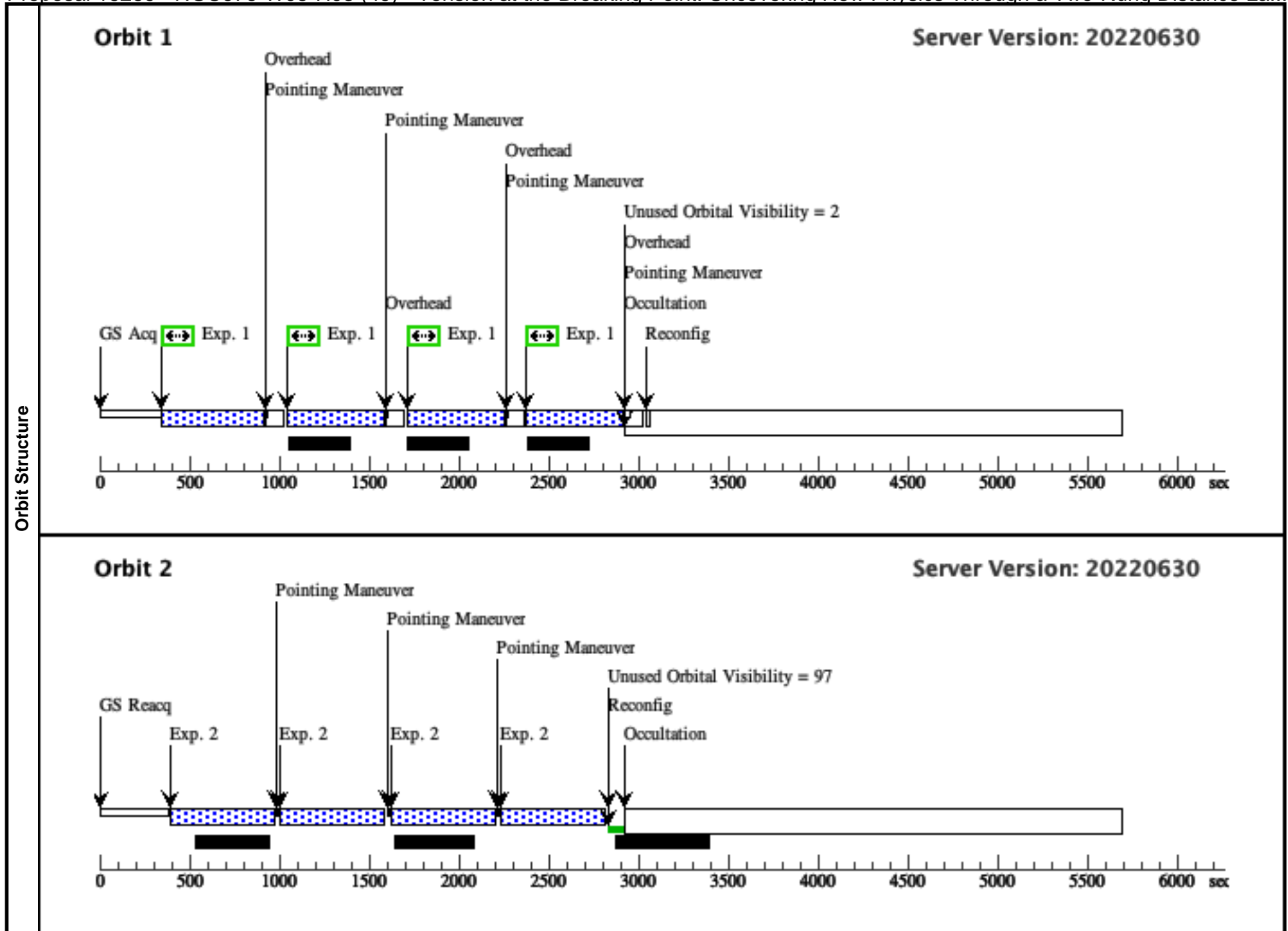
Visit	Proposal 16269, NGC976-W04-V02-I02 (48), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 27.18 D TO 28.18 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC976-W04-V02-I02 (48))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC976-W04-V02-I02 (48))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC976-W04-V0 2-I02 (48) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC976-W04-V0 2-I02 (48) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC976-W04-V0 2-I02 (48) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



Proposal 16269 - NGC976-W05-H03 (49) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distance La...

Tue Sep 06 21:01:21 GMT 2022

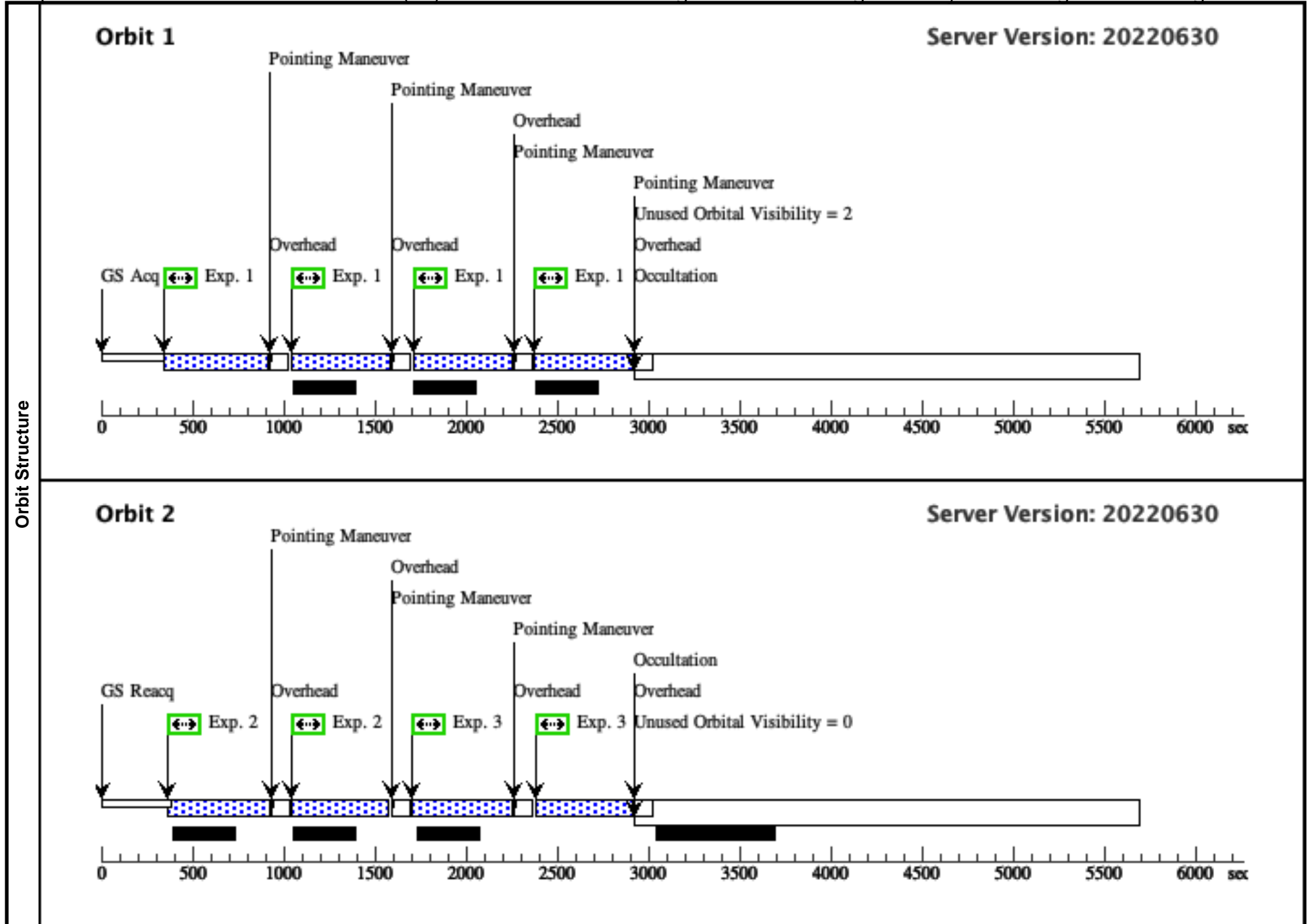
Visit	Proposal 16269, NGC976-W05-H03 (49), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 36.63 D TO 37.63 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)				
(5)		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)				
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS					
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 i n NGC976-W05-H03 (49) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 i n NGC976-W05-H03 (49) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]



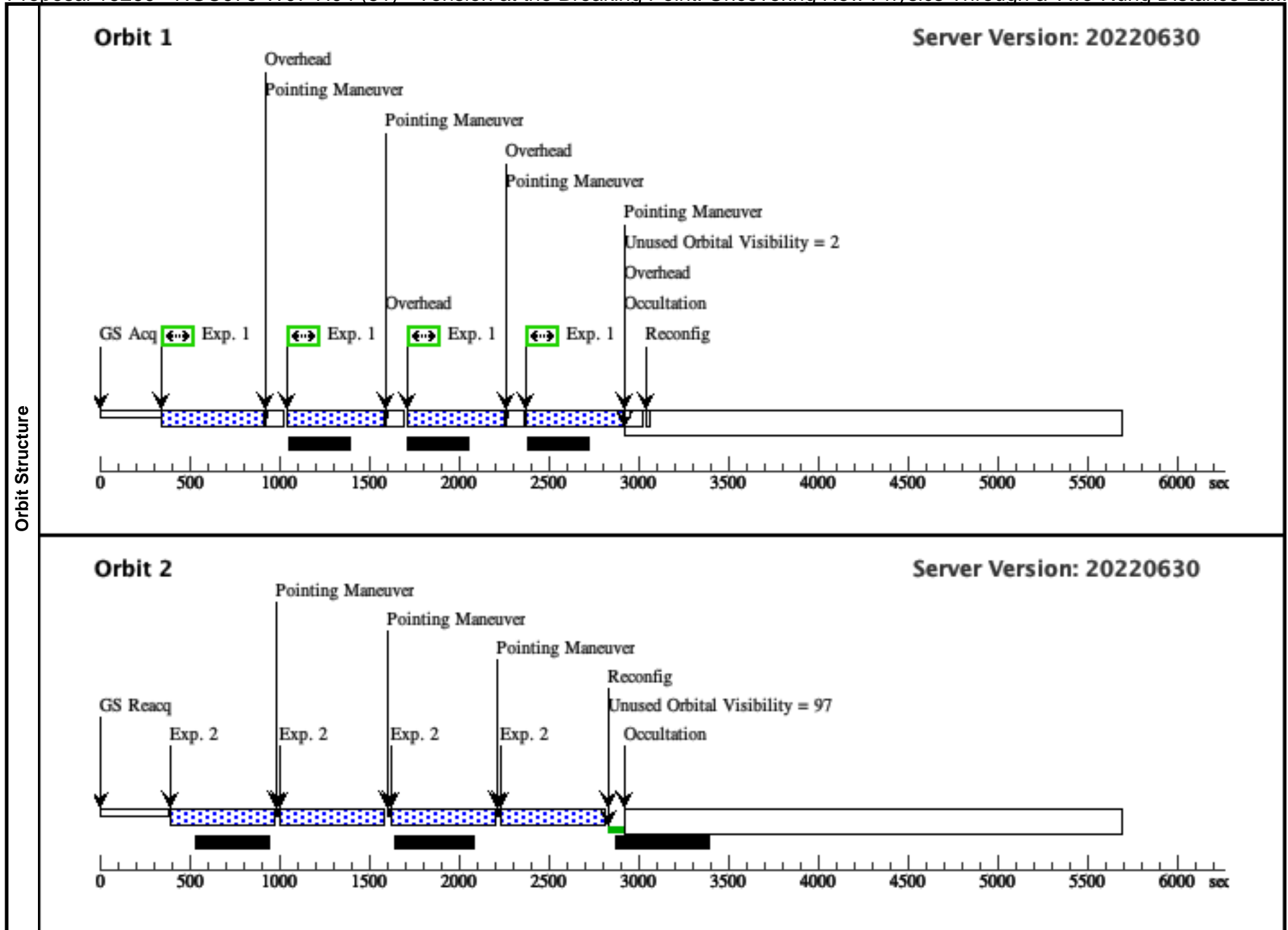
Proposal 16269 - NGC976-W06-V03-I03 (50) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

Tue Sep 06 21:01:21 GMT 2022

Visit	Proposal 16269, NGC976-W06-V03-I03 (50), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 50.21 D TO 51.21 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC976-W06-V03-I03 (50))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC976-W06-V03-I03 (50))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false	(2), (3)						
Patterns	(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)						
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC976-W06-V0 3-I03 (50) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC976-W06-V0 3-I03 (50) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC976-W06-V0 3-I03 (50) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



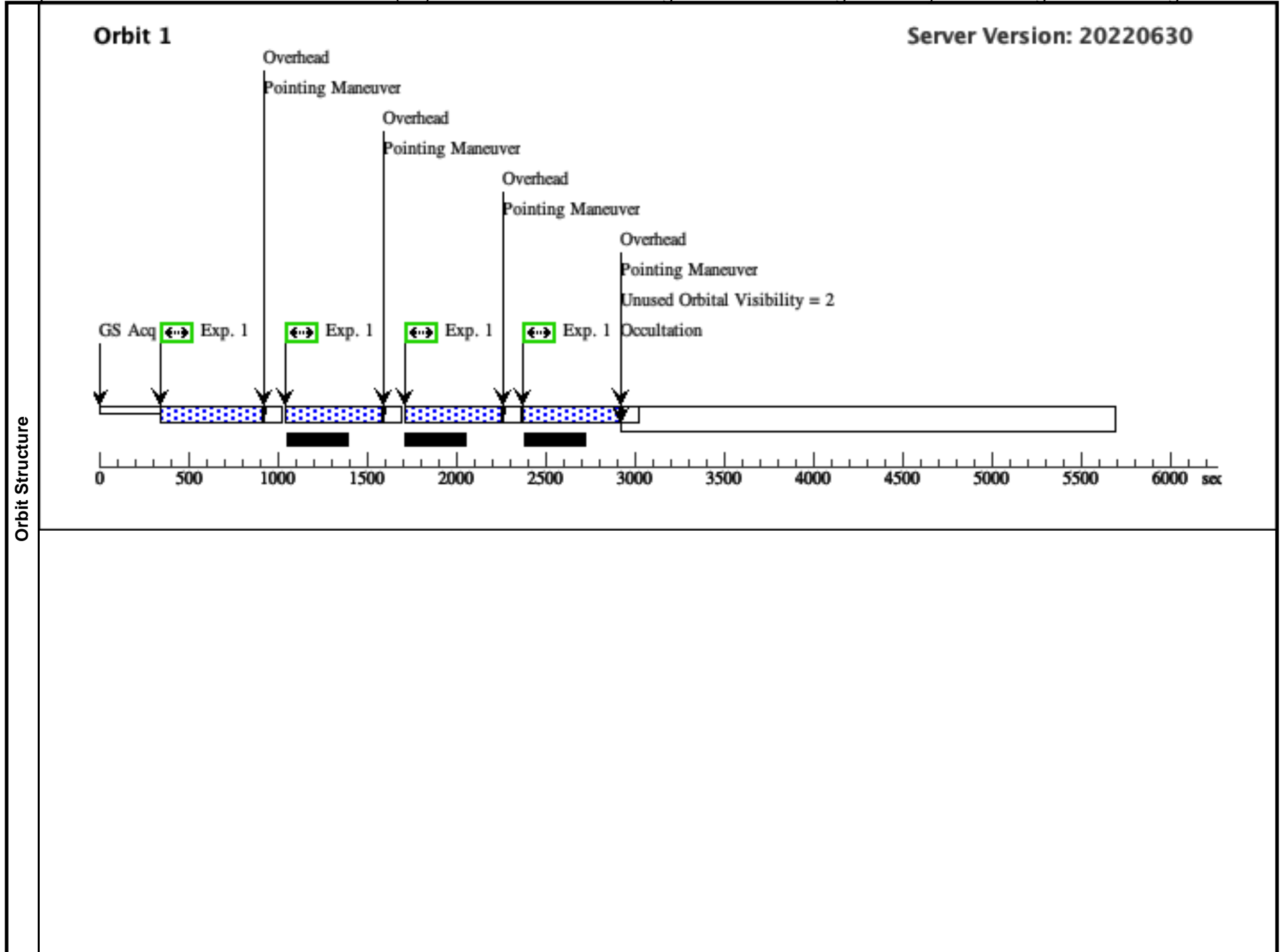
Visit	Proposal 16269, NGC976-W07-H04 (51), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 60.68 D TO 61.68 D									
	Patterns	#	Primary Pattern			Secondary Pattern			Exposures	
(3)		Pattern Type=WFC3-UVIS-DITHER-BOX 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)			
(5)		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)			
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS					
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC976-W07-H04 (51) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC976-W07-H04 (51) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[2]

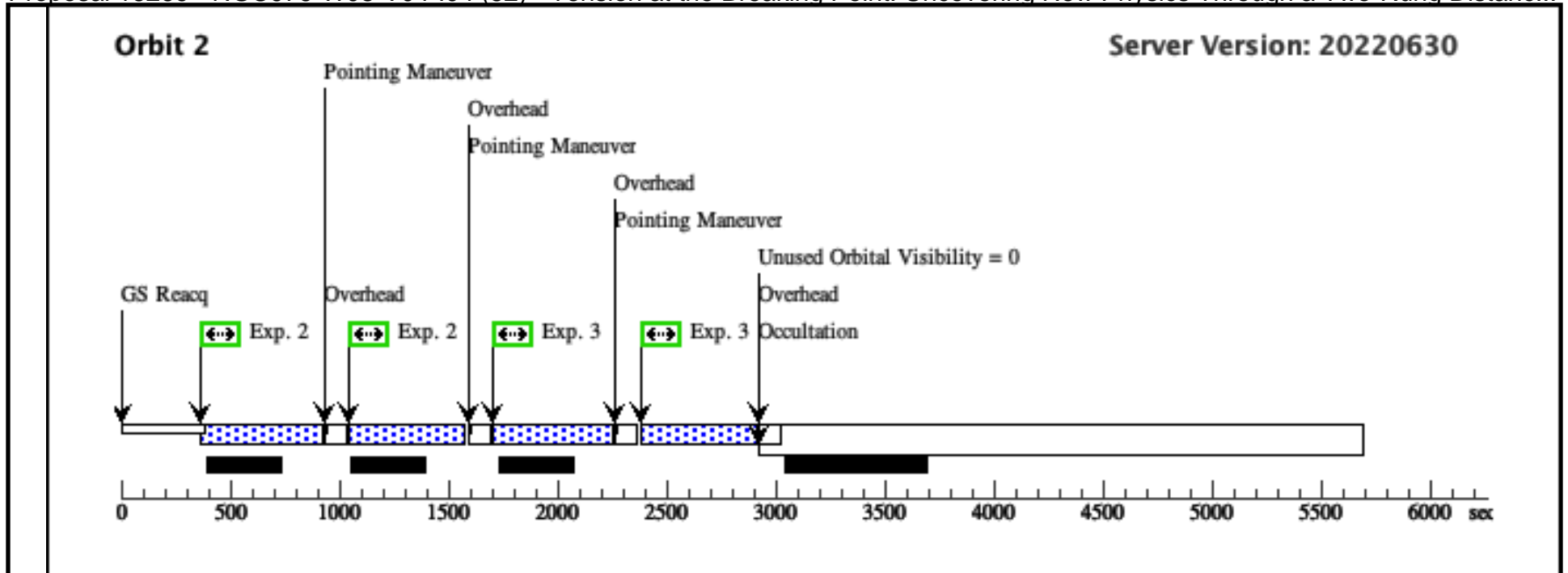


Proposal 16269 - NGC976-W08-V04-I04 (52) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

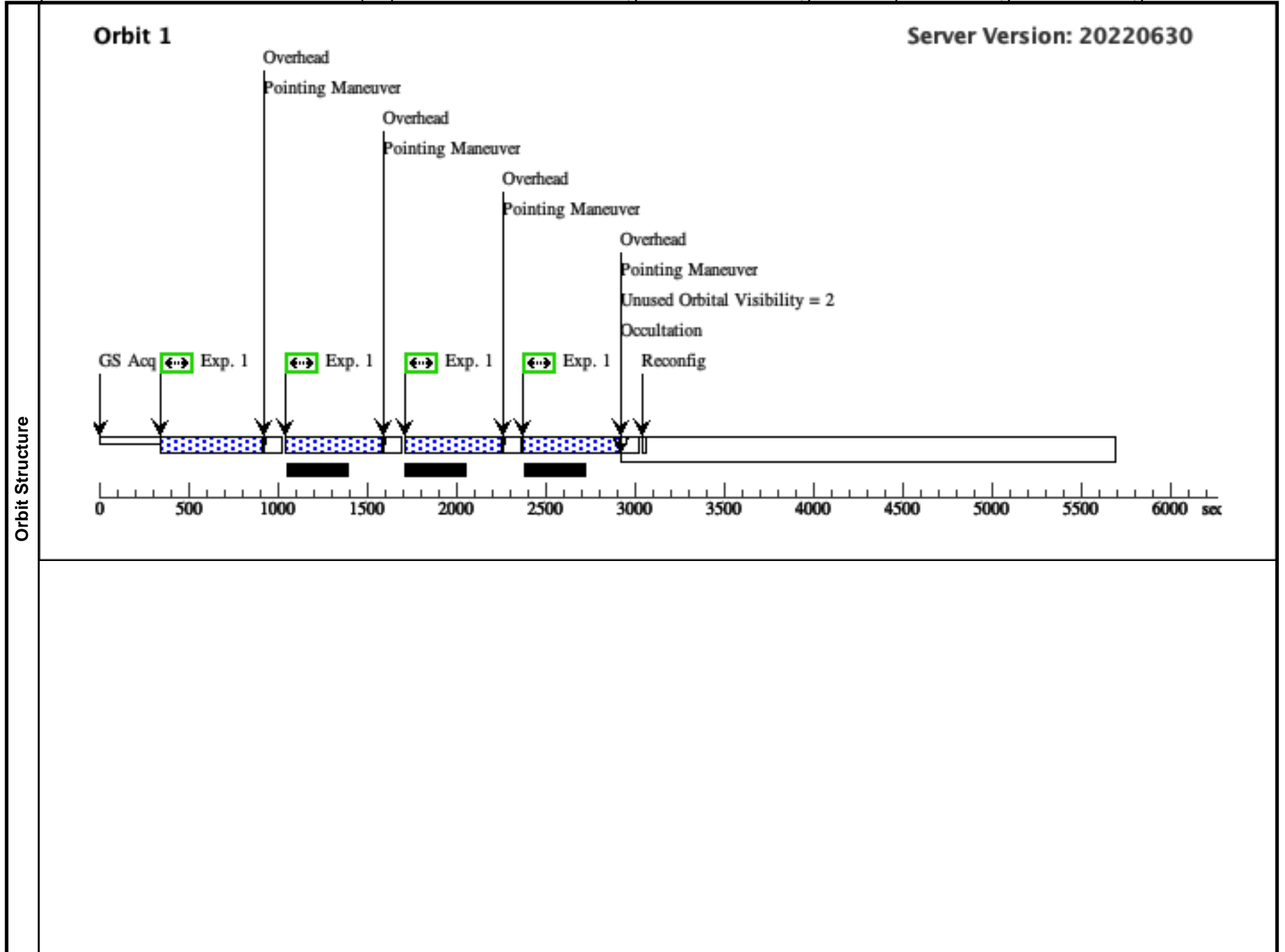
Tue Sep 06 21:01:21 GMT 2022

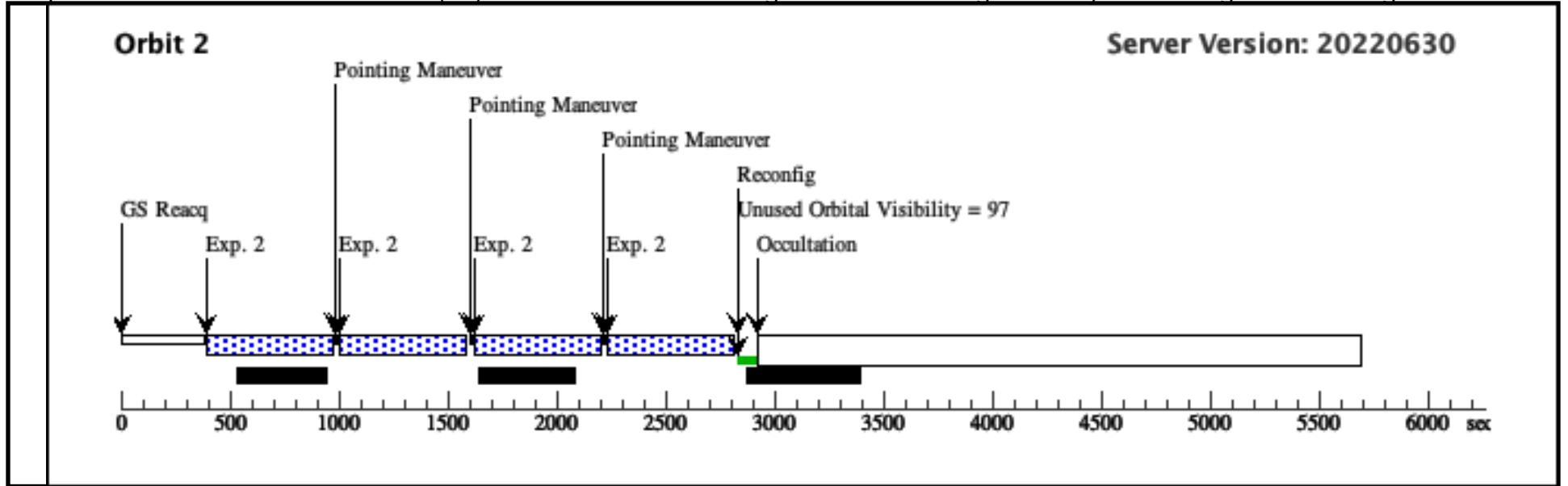
Visit	Proposal 16269, NGC976-W08-V04-I04 (52), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 72.16 D TO 73.16 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC976-W08-V04-I04 (52))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC976-W08-V04-I04 (52))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
(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)						
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
Comments: Category=GALAXY Description=[SPIRAL]										
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC976-W08-V0 4-I04 (52) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC976-W08-V0 4-I04 (52) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC976-W08-V0 4-I04 (52) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]





Visit	Proposal 16269, NGC976-W09-H05 (53), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 85.04 D TO 86.04 D									
	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)	
	(5)	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)		
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC976-W09-H05 (53) (3)	538 Secs (2152 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[1]
2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER		F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC976-W09-H05 (53) (5)	552.937252 Secs (2211.749 Secs) [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)]	[2]

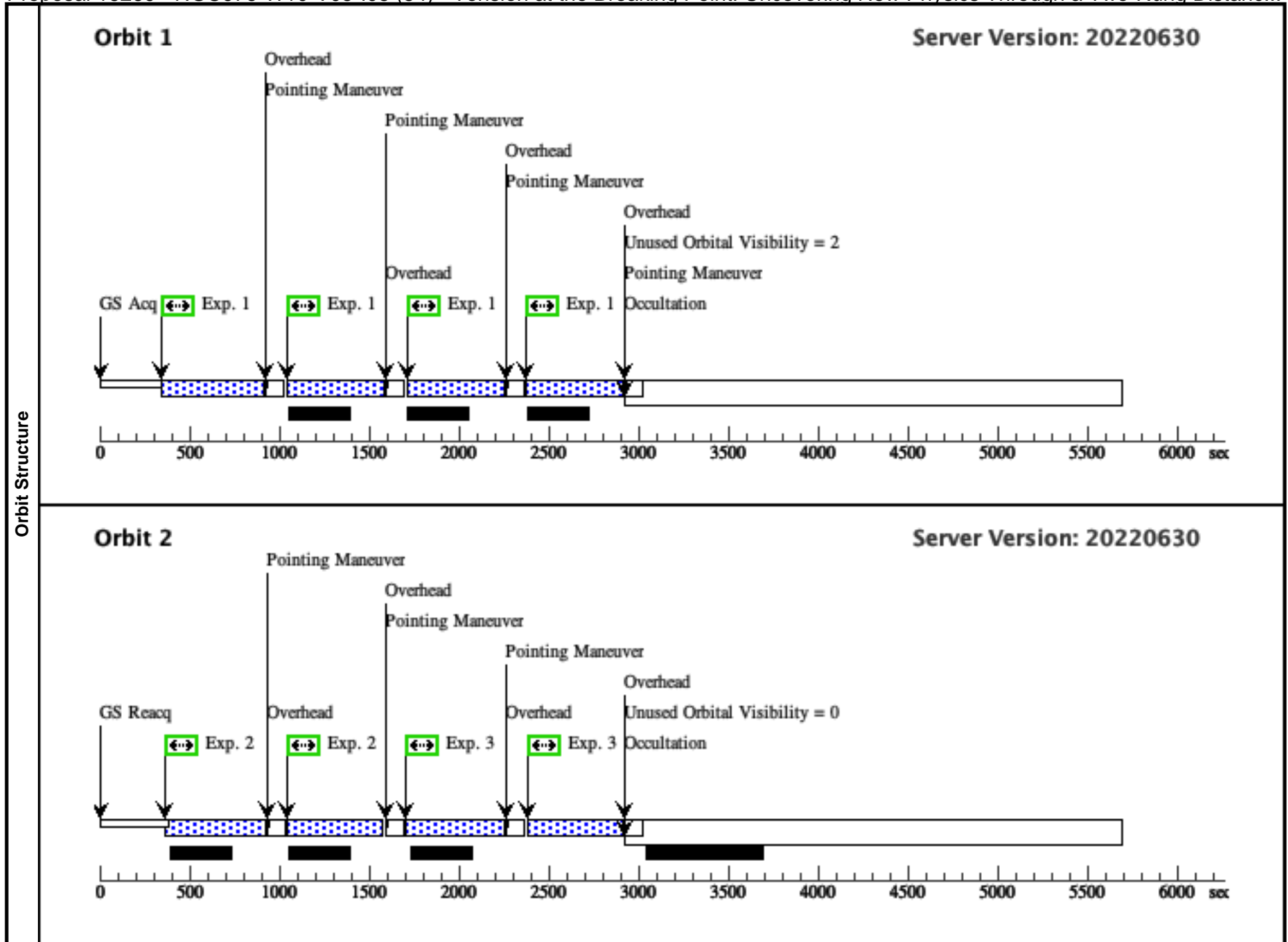




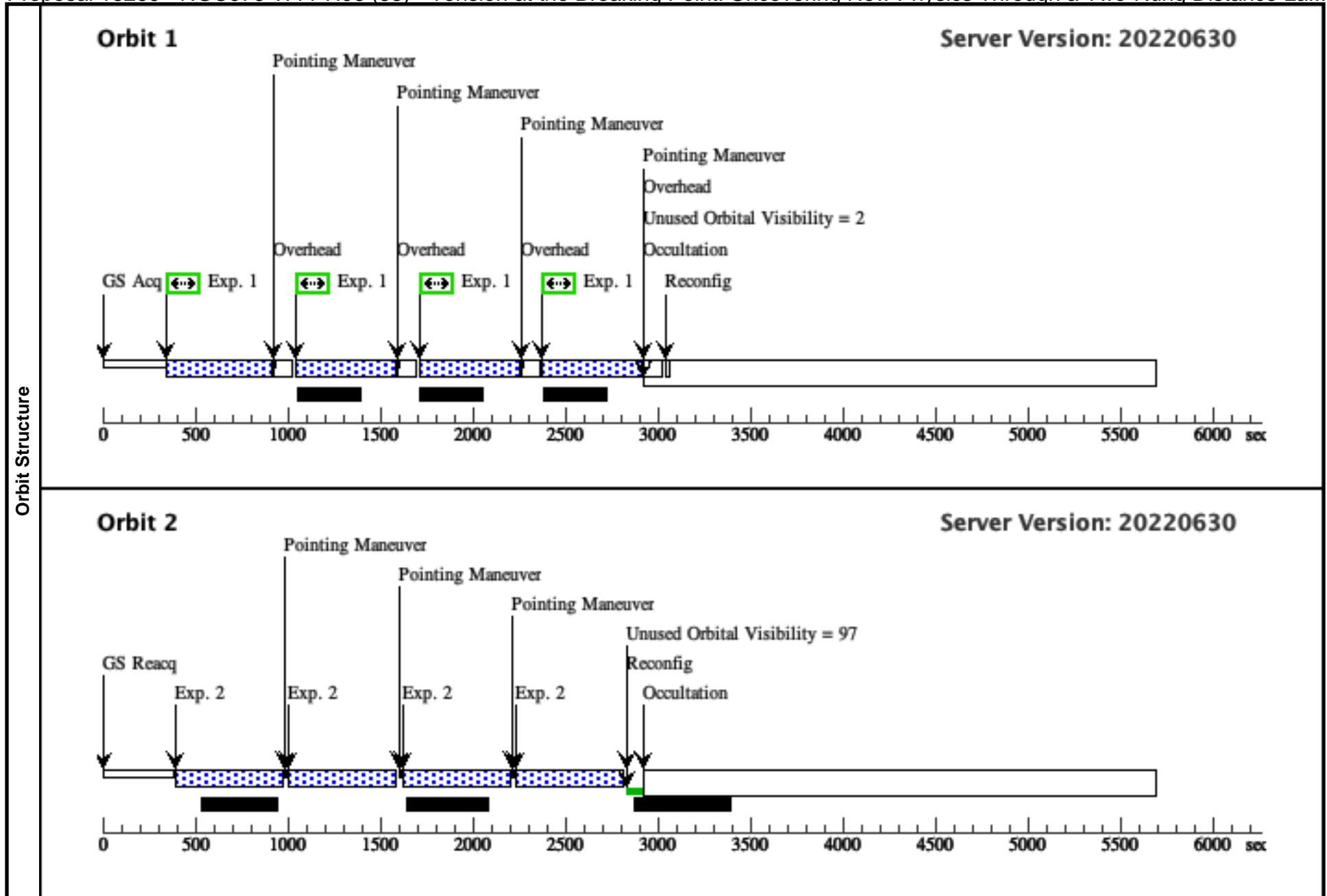
Proposal 16269 - NGC976-W10-V05-I05 (54) - Tension at the Breaking Point: Uncovering New Physics Through a Two-Rung Distanc...

Tue Sep 06 21:01:21 GMT 2022

Visit	Proposal 16269, NGC976-W10-V05-I05 (54), completed Diagnostic Status: Warning Scientific Instruments: WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 92.83 D TO 93.83 D									
	(Exposure 2 (Pattern 1, Exps 2-2 in NGC976-W10-V05-I05 (54))) Warning (Form): FLASH level may be too low for this exposure or a short subexposure. See extended explanation in the diagnostic browser (Exposure 3 (Pattern 1, Exps 3-3 in NGC976-W10-V05-I05 (54))) 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						
	(1)	Pattern Type=WFC3-UVIS-DITHER- LINE Purpose=DITHER Number Of Points=2 Point Spacing=0.145 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=46.84 Angle Between Sides= Center Pattern=false		(2), (3)					
Patterns	(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)					
	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
Fixed Targets	(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP				Pattern 3, Exps 1-1 i n NGC976-W10-V0 5-I05 (54) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
	2	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W				Pattern 1, Exps 2-2 i n NGC976-W10-V0 5-I05 (54) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]
	3	(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W				Pattern 1, Exps 3-3 i n NGC976-W10-V0 5-I05 (54) (1)	532 Secs (1064 Secs) [==>(Pattern 1)] [==>(Pattern 2)]	[2]



Visit	Proposal 16269, NGC976-W11-H06 (55), failed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR, WFC3/UVIS Special Requirements: SCHED 100%; SAME ORIENT AS 45; AFTER 45 BY 99.5 D TO 100.5 D										
	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)		
(5)		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)		
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes	Miscellaneous			
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000				V=13.5	Reference Frame: ICRS			
	<i>Comments:</i> Category=GALAXY Description=[SPIRAL]										
(11)	NGC-976-UVIS	RA: 02 33 57.4700 (38.4894583d) Dec: +20 58 53.10 (20.98142d) Equinox: J2000				V=13.5	Reference Frame: ICRS				
<i>Comments:</i> Category=GALAXY Description=[SPIRAL]											
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1		(11) NGC-976-UVIS	WFC3/UVIS, ACCUM, UVIS-CENTER	F350LP			Pattern 3, Exps 1-1 in NGC976-W11-H06 (55) (3)	538 Secs (2152 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[1]
	2		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 2-2 in NGC976-W11-H06 (55) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]		[2]



Visit	Proposal 16269, NGC976-W11-H06-REPEAT (73), completed Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: SCHED 100%									
	Patterns	# (5)	Primary Pattern Pattern Type=WFC3-IR-DITHER-BOX-MIN Purpose=DITHER Number Of Points=4 Point Spacing=0.572 Line Spacing=0.365	Secondary Pattern Coordinate Frame=POS-TARG Pattern Orientation=18.528 Angle Between Sides=74.653 Center Pattern=false	Exposures (1)					
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(7)	NGC-976	RA: 02 34 0.0100 (38.5000417d) Dec: +20 58 36.48 (20.97680d) Equinox: J2000		V=13.5	Reference Frame: ICRS				
	Comments: Category=GALAXY Description=[SPIRAL]									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1		(7) NGC-976	WFC3/IR, MULTIACCUM, IR-UVIS-CENTER	F160W	NSAMP=12; SAMP-SEQ=SPAR S50		Pattern 5, Exps 1-1 in NGC976-W11-H06-REPEAT (73) (5)	552.937252 Secs (2211.749 Secs) [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)]	[1]
Orbit Structure	<div style="display: flex; justify-content: space-between;"> Orbit 1 Server Version: 20220630 </div> <p>The diagram shows a timeline from 0 to 6000 seconds. Key events include: GS Acq at ~100s, Exp. 1 at ~400s, Pointing Maneuver at ~1000s, Exp. 1 at ~1600s, Pointing Maneuver at ~2200s, Exp. 1 at ~2800s, Pointing Maneuver at ~3000s, Reconfig at ~3000s, Occultation at ~3000s, and Unused Orbital Visibility from ~3000s to ~3500s. A blue checkered bar highlights the exposure periods, and black bars indicate pointing maneuvers and occultation.</p>									