14056 - Veil Nebula mosaic

Cycle: 23, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
01	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:10.0	yes
02	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:14.0	yes
03	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:18.0	yes
04	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:23.0	yes

Visit	*Targets used in Visit*	*Configurations used in Visit*	*Orbits Used*	*Last Orbit Planner Run*	*OP Current with Visit?*
05	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:26.0	yes
06	(2) NGC-6960-VEIL ANY	ACS/WFC WFC3/UVIS	3	28-Mar-2015 21:06:30.0	yes

18 Total Orbits Used

ABSTRACT

We will obtain a large WFC3 mosaic of a segment of the Veil Nebula (Cygnus Loop) in three narrowband filters and two broadband filters. We will also obtain ACS parallel observations in one narrowband filter - another mosaic that slightly overlaps he primary mosaic.

OBSERVING DESCRIPTION

We will obtain a 2x3 WFC3 primary mosaic with an ACS parallel mosaic. The orientation is such that the two cameras capture a mega-mosaic along the nebula filamentary structure. With WFC3 we will primarily use three narrowband filters to produce a color composite image. With the ACS parallel mosaic we obtain only hyrogen-alpha emission.

Proposal 14056 - Tile Visit 01 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 01, implementation Sun Mar 29 01:06:32 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: ORIENT 265D TO 275 D

Diagnostics

(Tile Visit 01) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

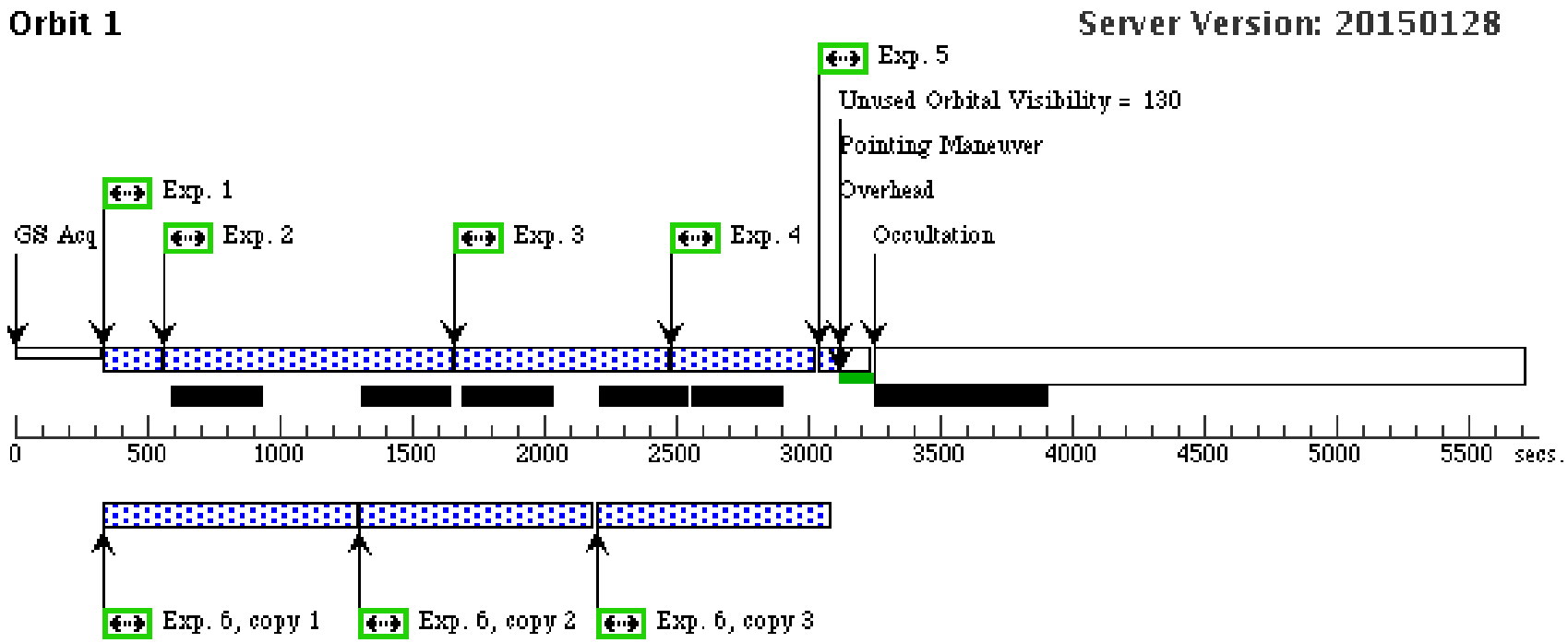
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

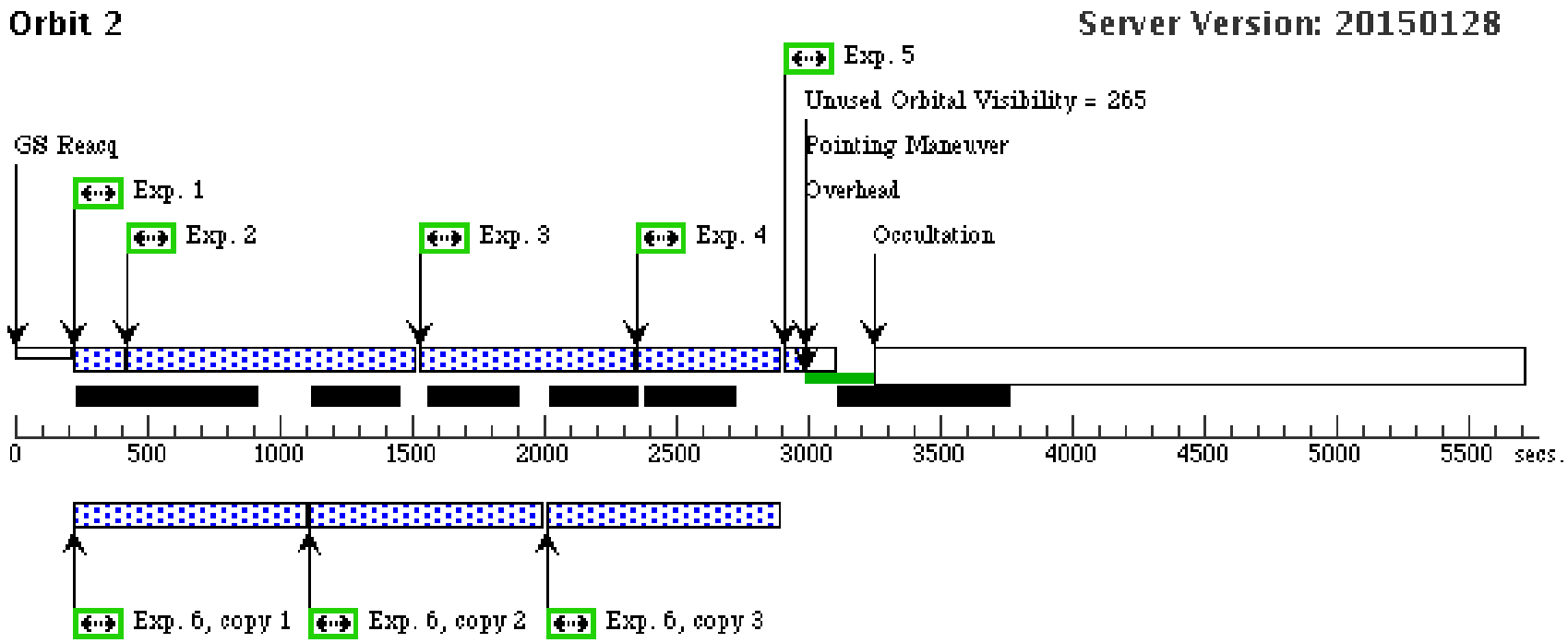
Proposal 14056 - Tile Visit 01 - Veil Nebula mosaic

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG -70.28577181061571,-144.65389994770538	Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG -70.28577181061571,-144.65389994770538	Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG -70.28577181061571,-144.65389994770538	Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG -70.28577181061571,-144.65389994770538	Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG -70.28577181061571,-144.65389994770538	Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 01 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 01	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure

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Server Version: 20150128
Exp. 5
Unused Orbital Visibility = 265
Pointing Maneuver
Overhead
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
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4000
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5000
5500
secs.
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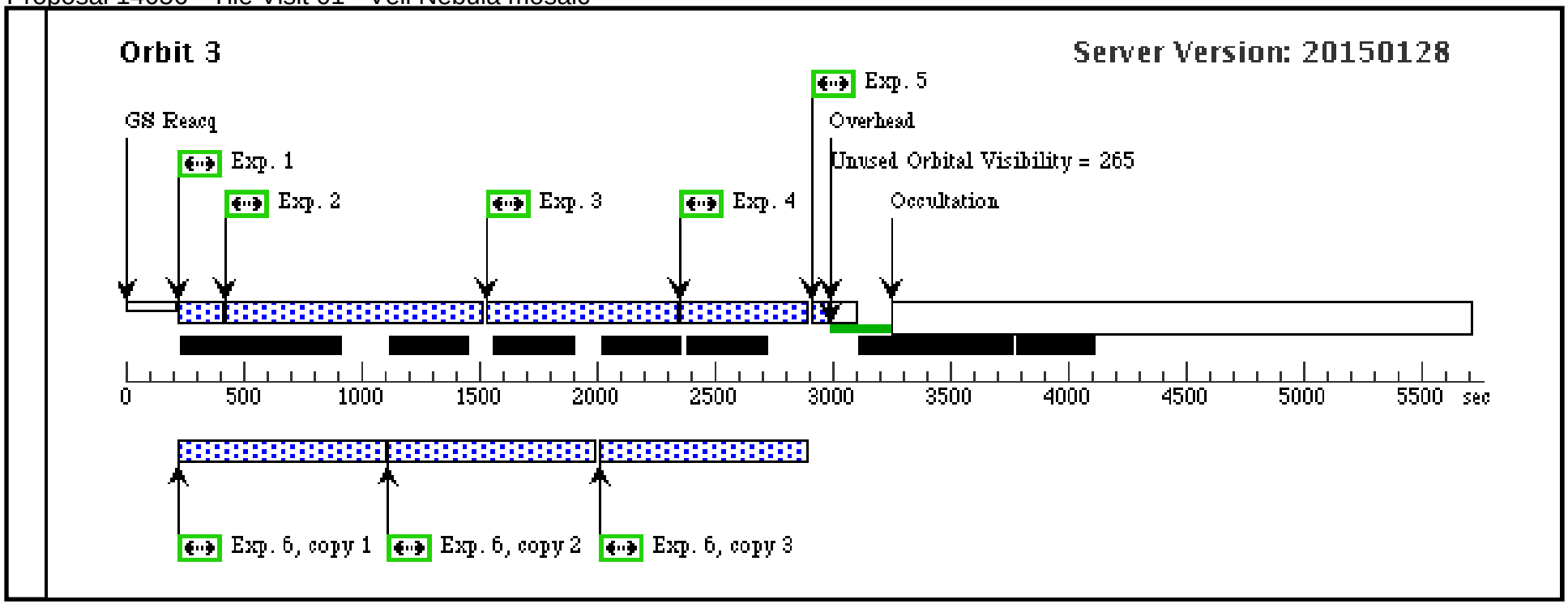
Exp. 6, copy 2
Exp. 6, copy 3


Orbit 3
Server Version: 20150128
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Overhead
Unused Orbital Visibility = 265
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3

Proposal 14056 - Tile Visit 02 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 02, implementation Sun Mar 29 01:06:32 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 01

Diagnostics

(Tile Visit 02) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

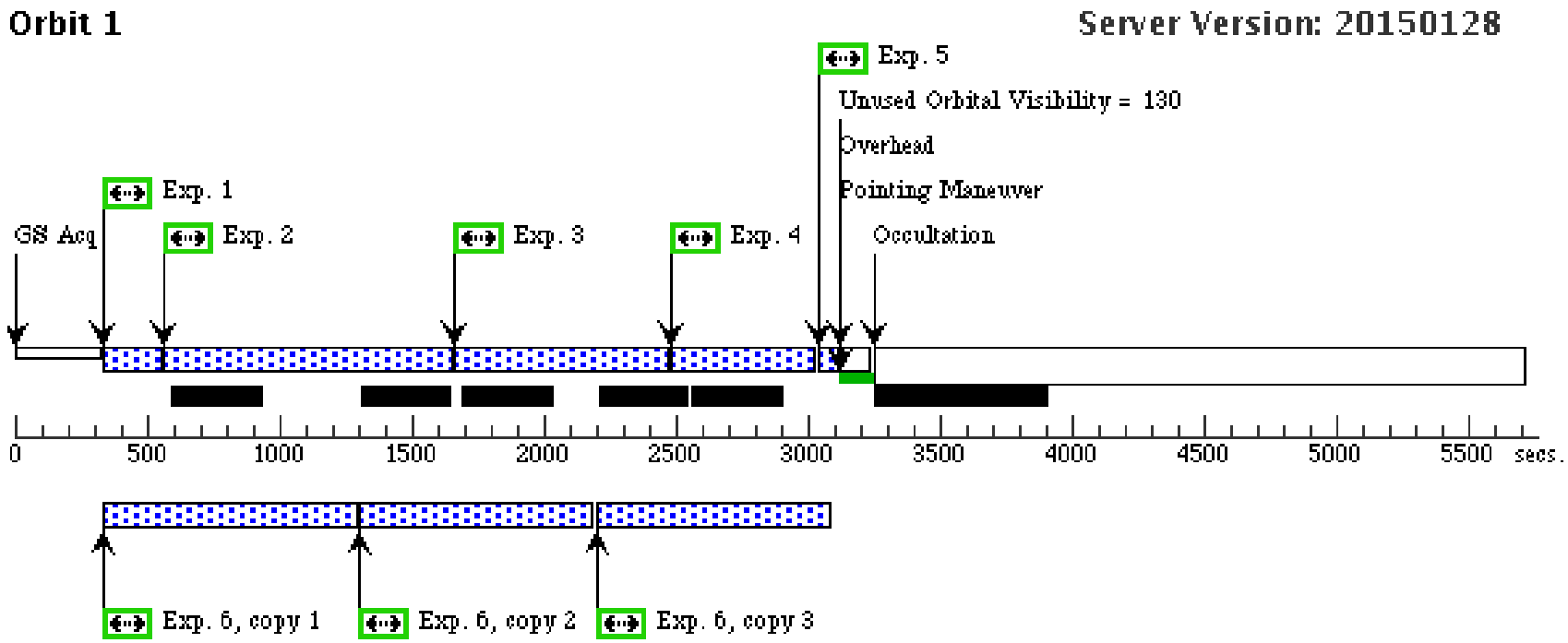
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

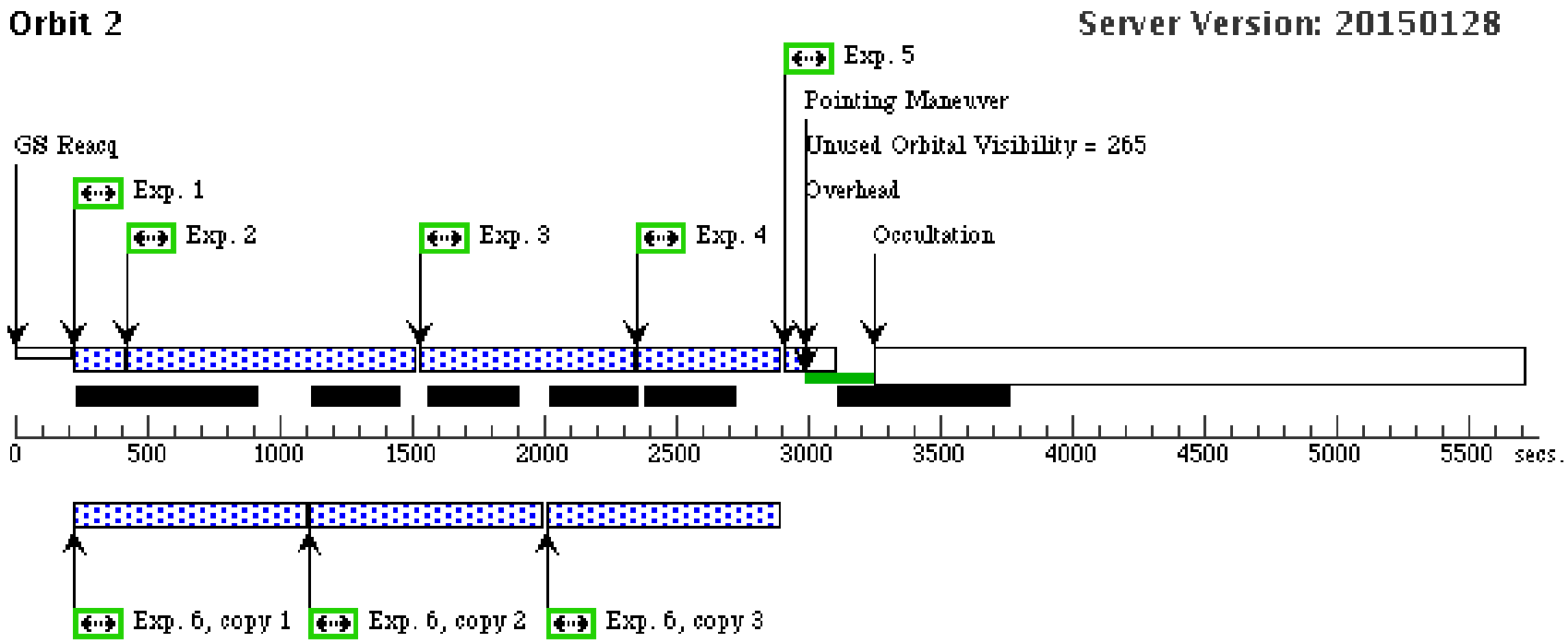
Proposal 14056 - Tile Visit 02 - Veil Nebula mosaic

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG 70.2857 7181061569,-134.82 418005229457	Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG 70.2857 7181061569,-134.82 418005229457	Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG 70.2857 7181061569,-134.82 418005229457	Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG 70.2857 7181061569,-134.82 418005229457	Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 70.2857 7181061569,-134.82 418005229457	Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 02 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 02	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure




Orbit 2
Server Version: 20150128
Exp. 5
Pointing Maneuver
Unused Orbital Visibility = 265
Overhead
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
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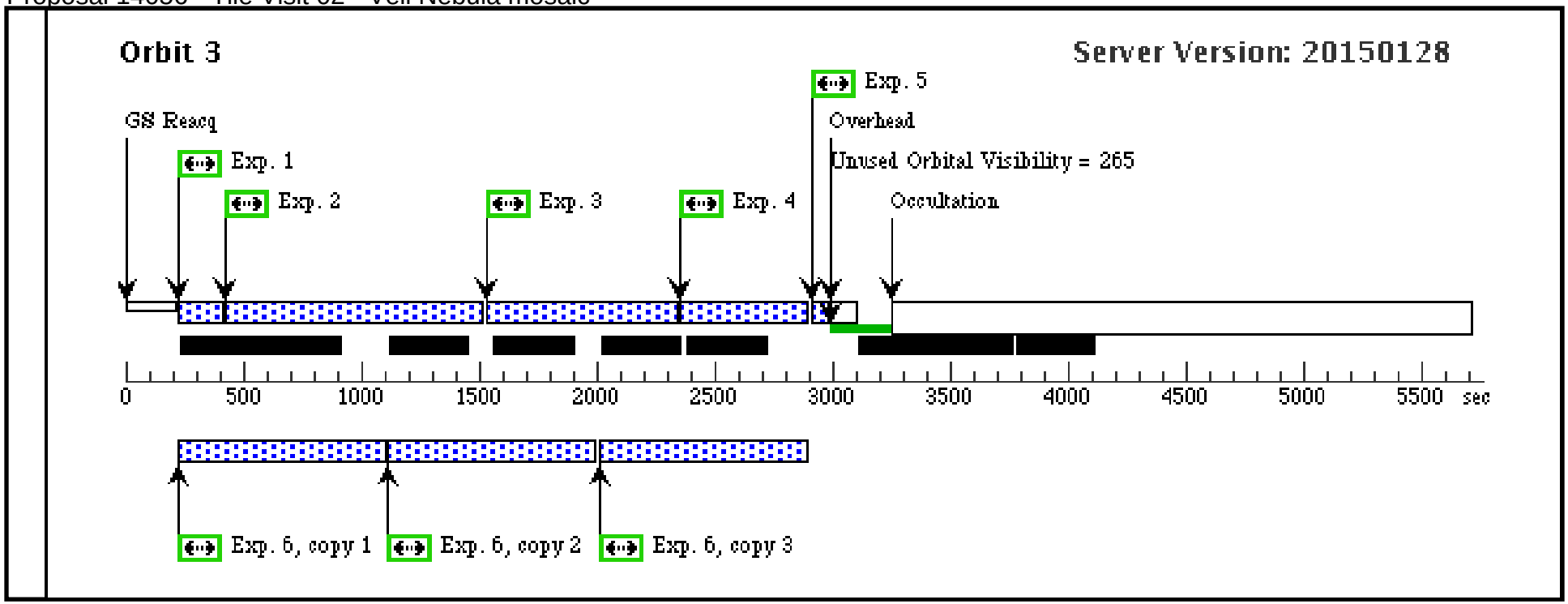
secs.
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3


Orbit 3
Server Version: 20150128
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Overhead
Unused Orbital Visibility = 265
Occultation
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4500
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5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3

Proposal 14056 - Tile Visit 03 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 03, implementation Sun Mar 29 01:06:32 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 01

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

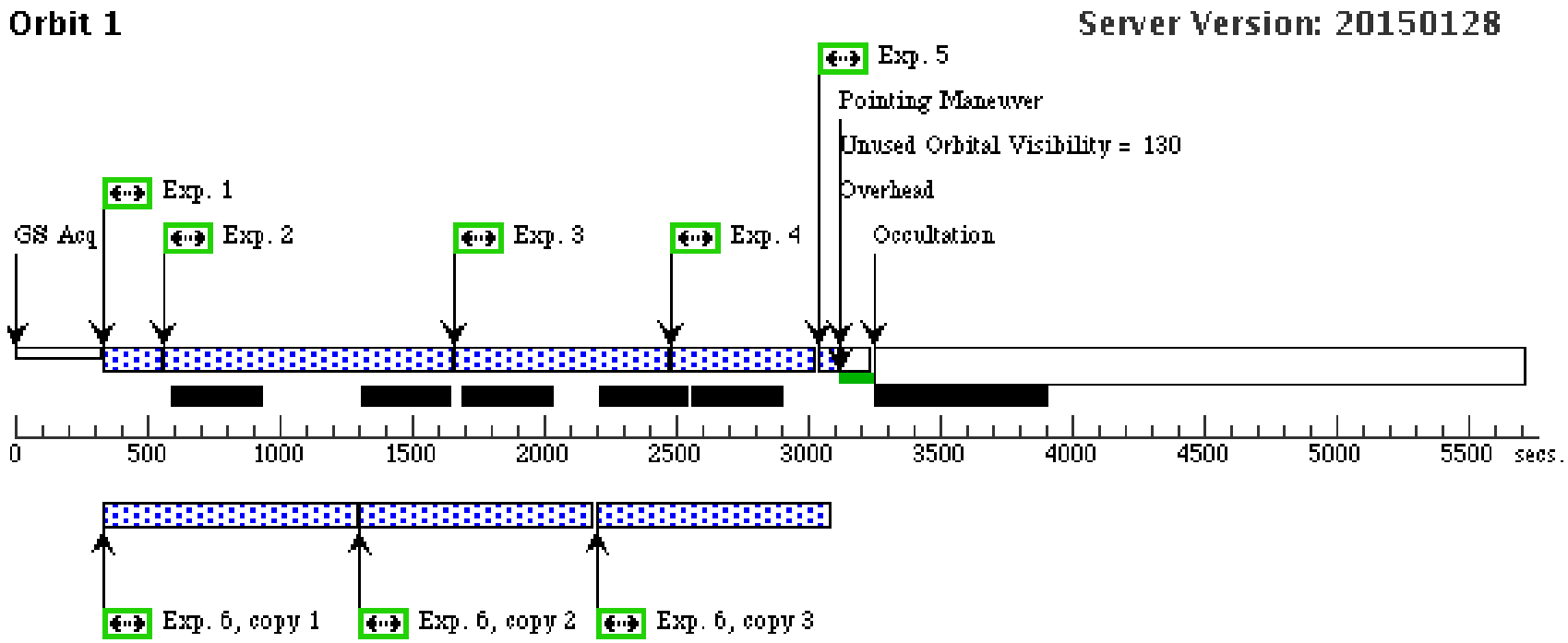
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

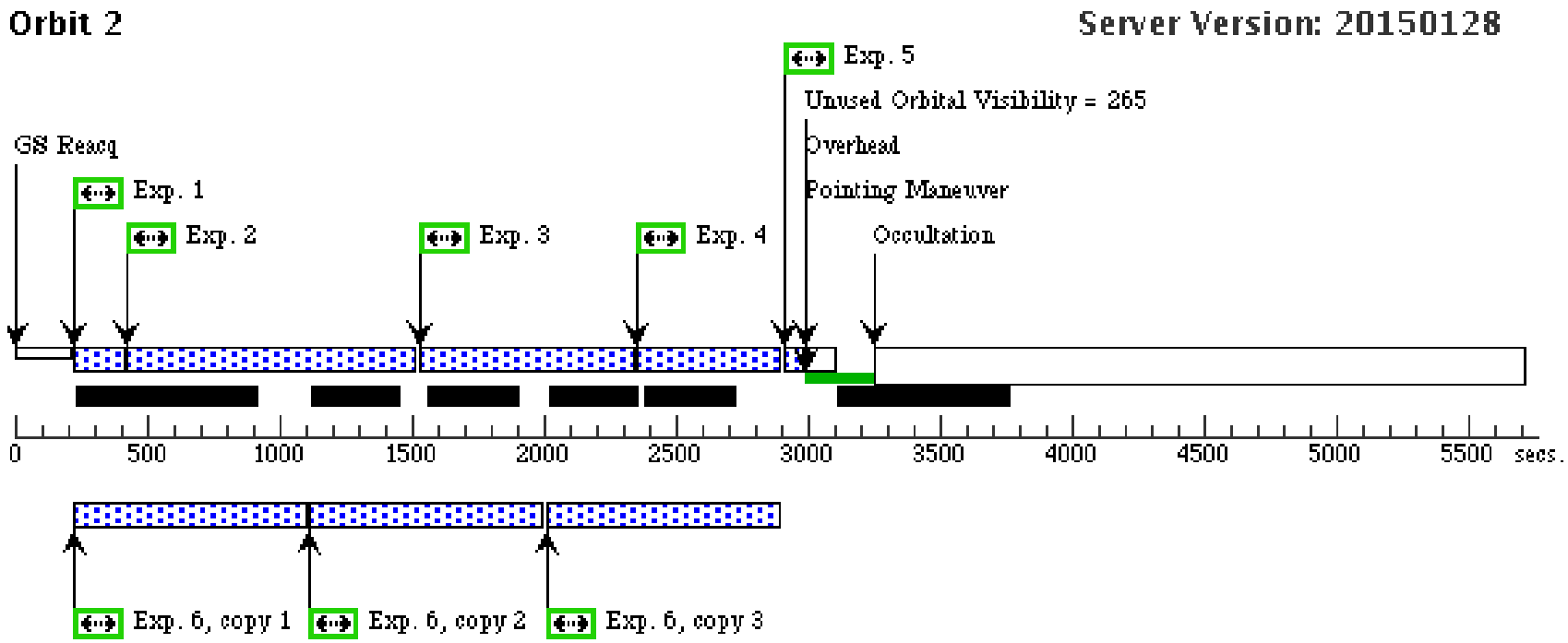
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG -70.28577181061571,-4.914859947705395	Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG -70.28577181061571,-4.914859947705395	Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG -70.28577181061571,-4.914859947705395	Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG -70.28577181061571,-4.914859947705395	Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG -70.28577181061571,-4.914859947705395	Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 03 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 03	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure




Orbit 2
Server Version: 20150128
Exp. 5
Unused Orbital Visibility = 265
Overhead
Pointing Maneuver
Occultation
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
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Exp. 6, copy 2
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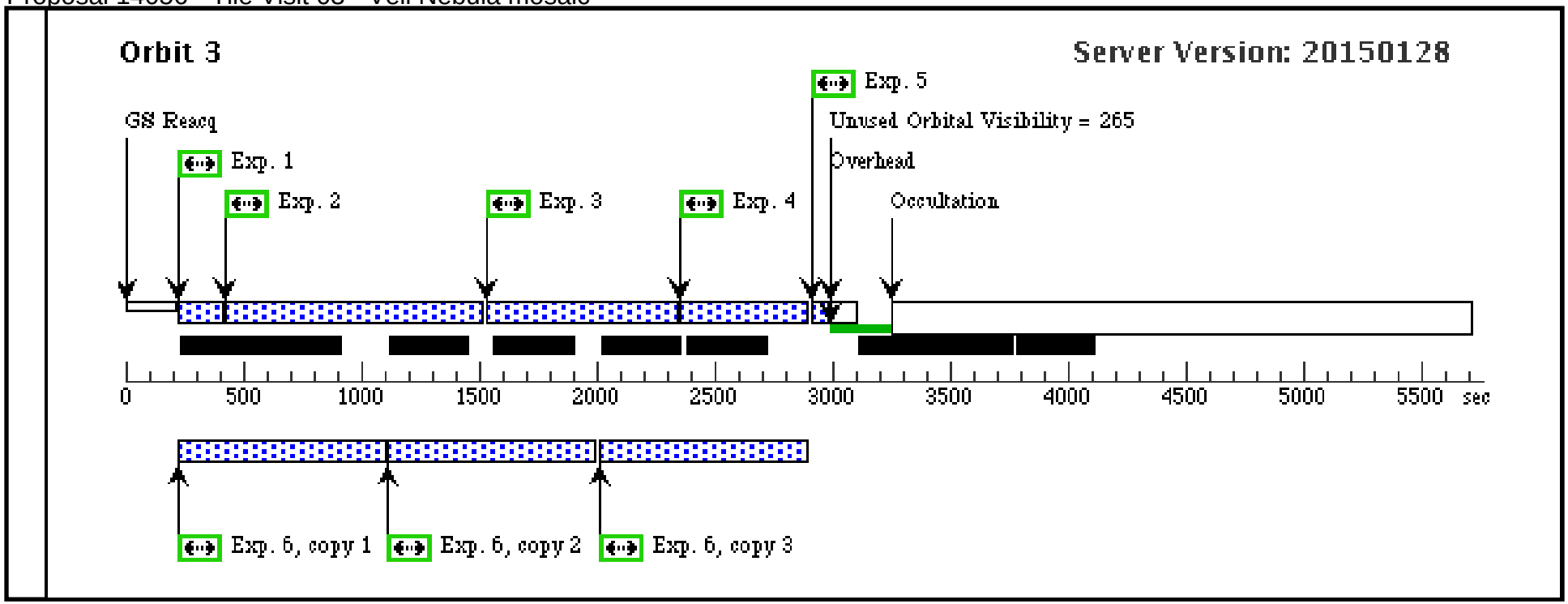
Orbit 3
Server Version: 20150128
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Unused Orbital Visibility = 265
Overhead
Occultation
0
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1000
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4000
4500
5000
5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3

Proposal 14056 - Tile Visit 04 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 04, implementation Sun Mar 29 01:06:33 GMT 2015

Diagnostic Status: No Diagnostics

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 01

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

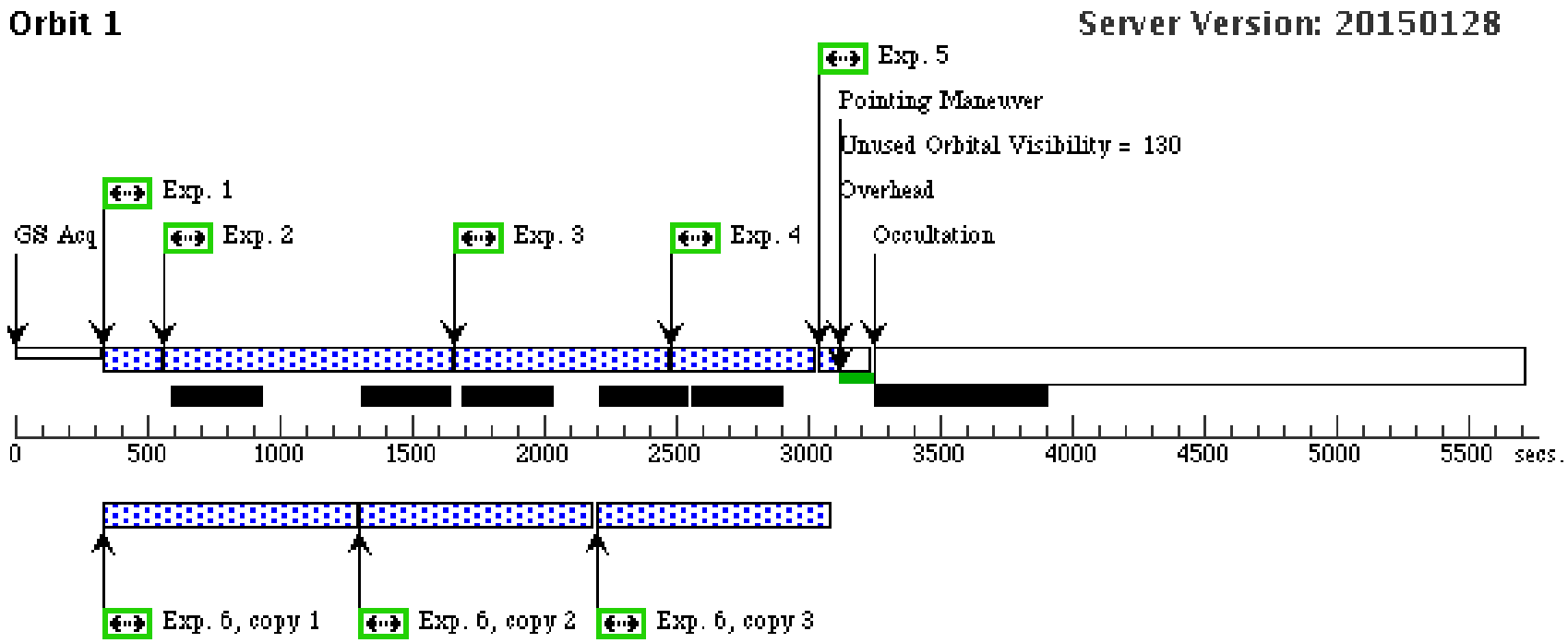
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

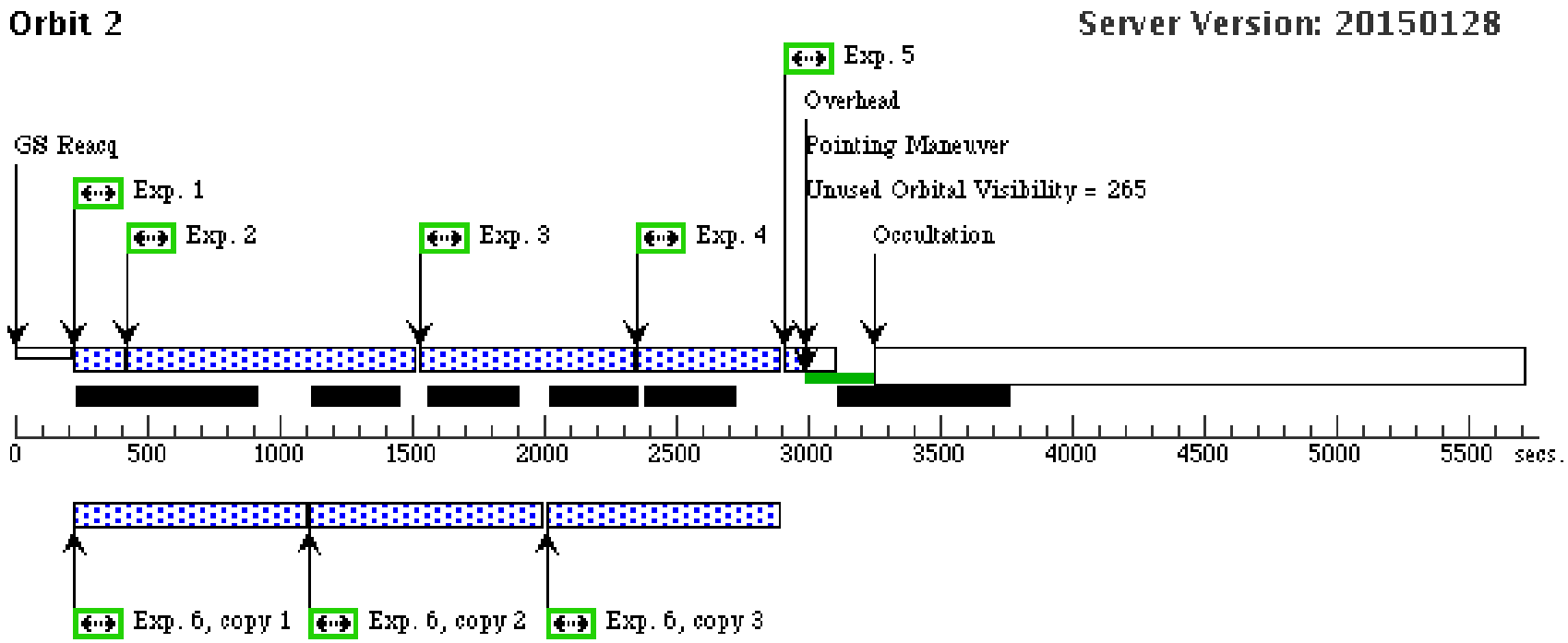
Proposal 14056 - Tile Visit 04 - Veil Nebula mosaic

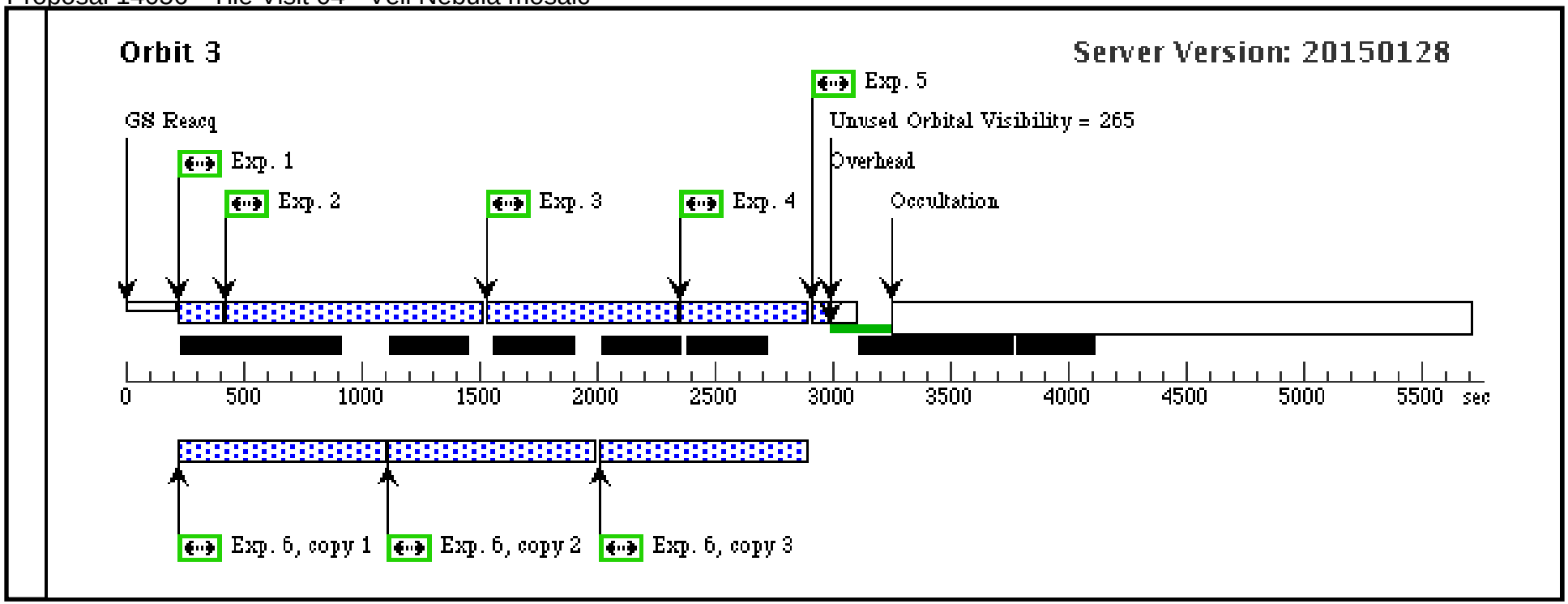
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG 70.2857 7181061569,4.91485 9947705423	Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG 70.2857 7181061569,4.91485 9947705423	Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG 70.2857 7181061569,4.91485 9947705423	Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG 70.2857 7181061569,4.91485 9947705423	Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 70.2857 7181061569,4.91485 9947705423	Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 04 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 04	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure




Orbit 2
Server Version: 20150128
Exp. 5
Overhead
Pointing Maneuver
Unused Orbital Visibility = 265
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3


Orbit 3
Server Version: 20150128
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Unused Orbital Visibility = 265
Overhead
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3

Proposal 14056 - Tile Visit 05 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 05, implementation Sun Mar 29 01:06:33 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 01

Diagnostics

(Tile Visit 05) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

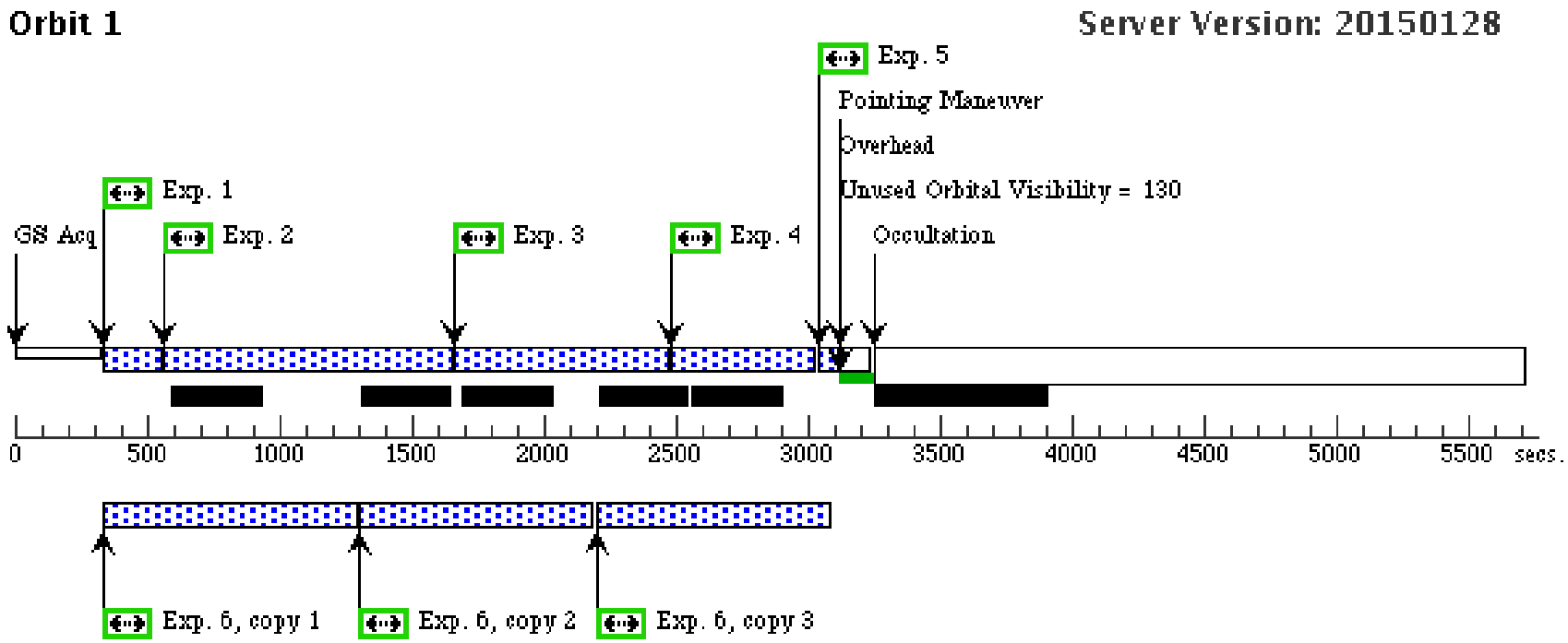
#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

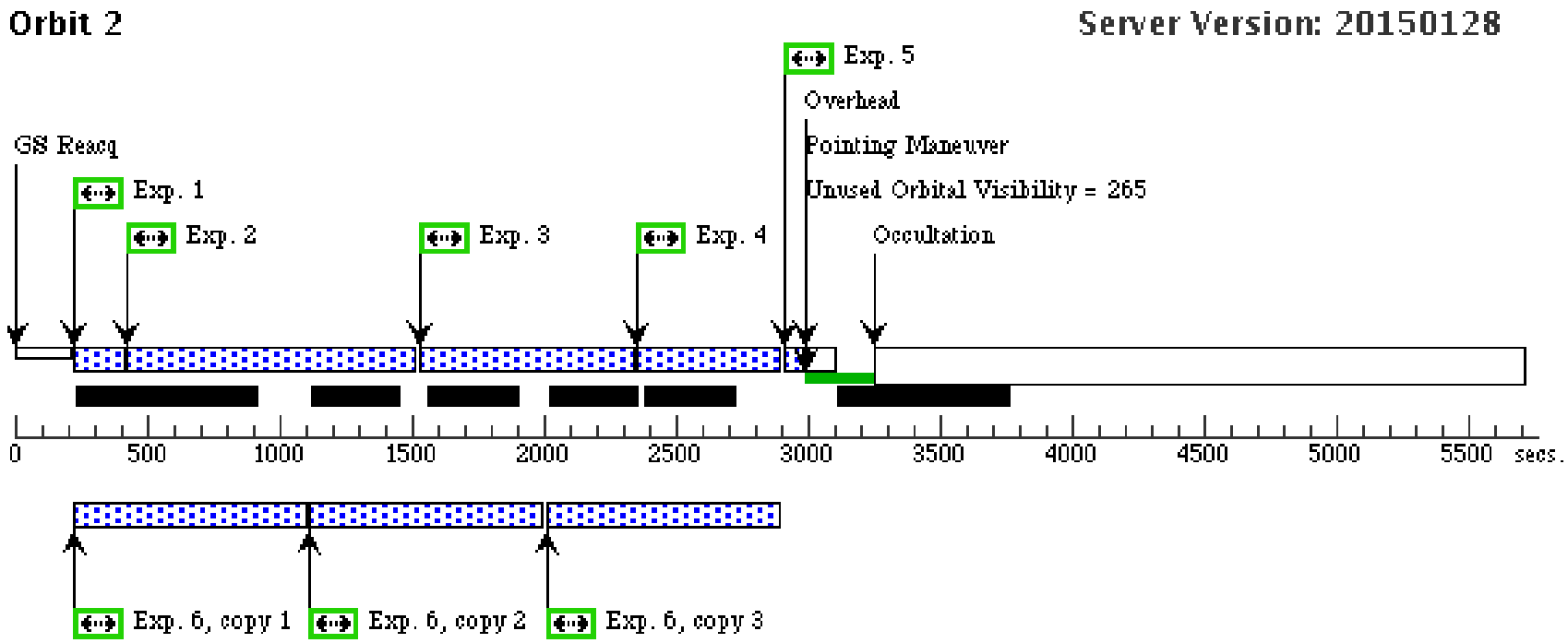
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

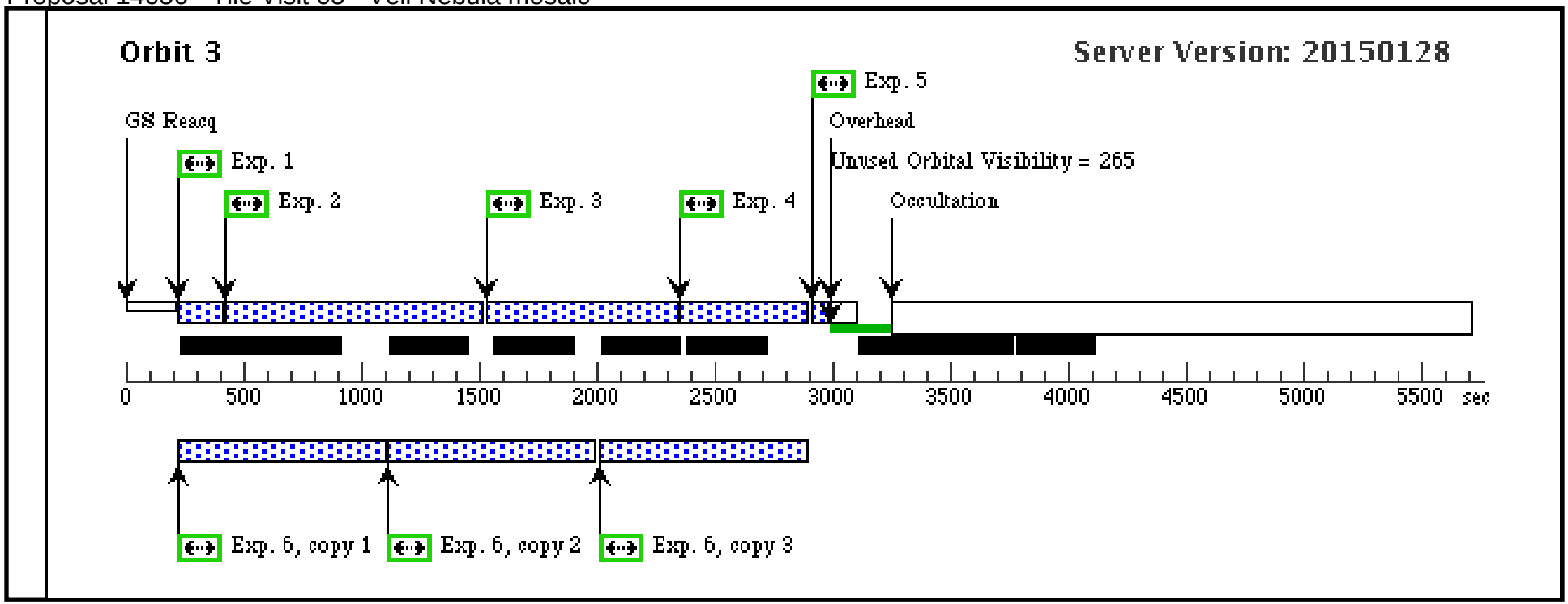
Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG -70.28577181061571,134.8241800522946	Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG -70.28577181061571,134.8241800522946	Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG -70.28577181061571,134.8241800522946	Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG -70.28577181061571,134.8241800522946	Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG -70.28577181061571,134.8241800522946	Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 05 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 05	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure




Orbit 2
Server Version: 20150128
Exp. 5
Overhead
Pointing Maneuver
Unused Orbital Visibility = 265
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
secs.
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3


Orbit 3
Server Version: 20150128
Exp. 5
GS Reacq
Overhead
Exp. 1
Unused Orbital Visibility = 265
Exp. 2
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3

Proposal 14056 - Tile Visit 06 - Veil Nebula mosaic

Visit

Proposal 14056, Tile Visit 06, implementation Sun Mar 29 01:06:33 GMT 2015

Diagnostic Status: Warning

Scientific Instruments: WFC3/UVIS, ACS/WFC

Special Requirements: SAME ORIENT AS 01

Diagnostics

(Tile Visit 06) Warning (Orbit Planner): PATTERN POSITION OUTSIDE APERTURE

Patterns

#	Primary Pattern		Secondary Pattern	Exposures
(1)	Pattern Type=WFC3-UVIS-DITHER-LINE Purpose=DITHER Number Of Points=3 Point Spacing=2.4 Line Spacing=	Coordinate Frame=POS-TARG Pattern Orientation=85 Angle Between Sides= Center Pattern=false		(1-6)

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	NGC-6960-VEIL	RA: 20 45 42.2797 (311.4261654d) Dec: +30 57 47.05 (30.96307d) Equinox: J2000		V=12+/-3	Reference Frame: SIMBAD

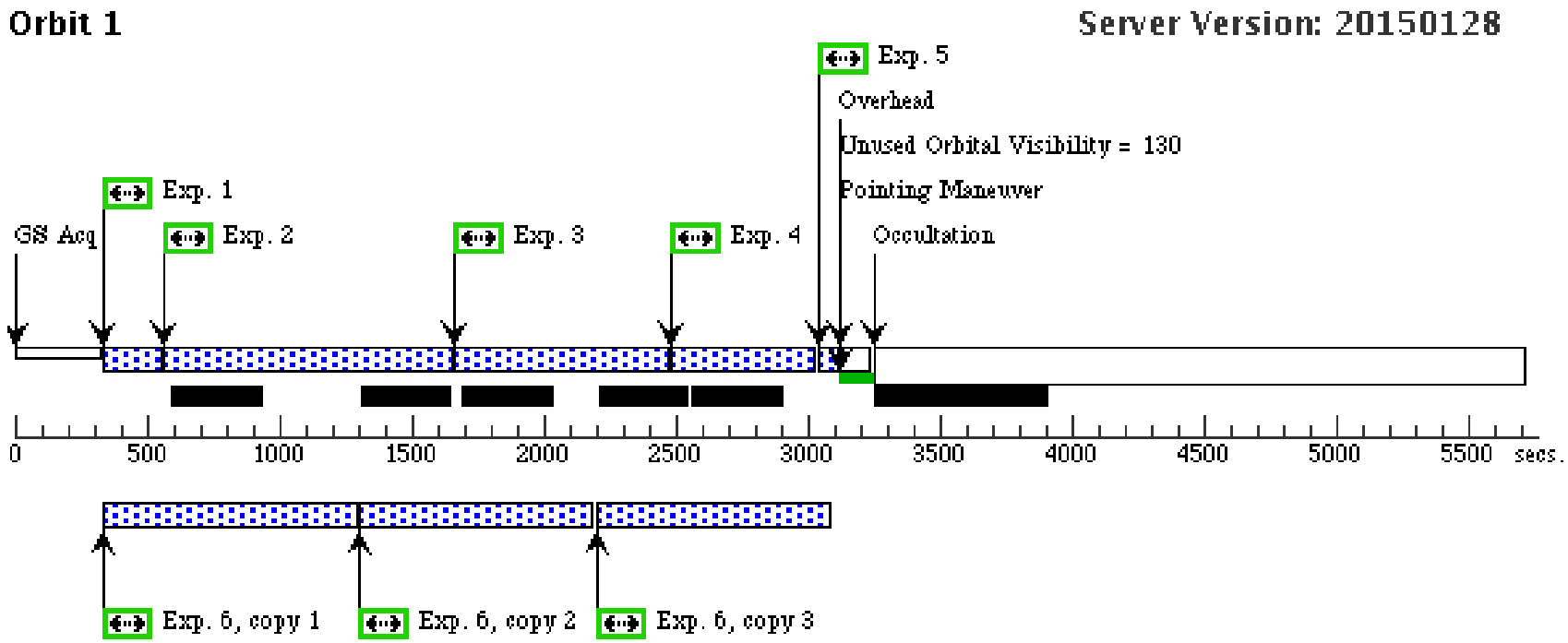
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

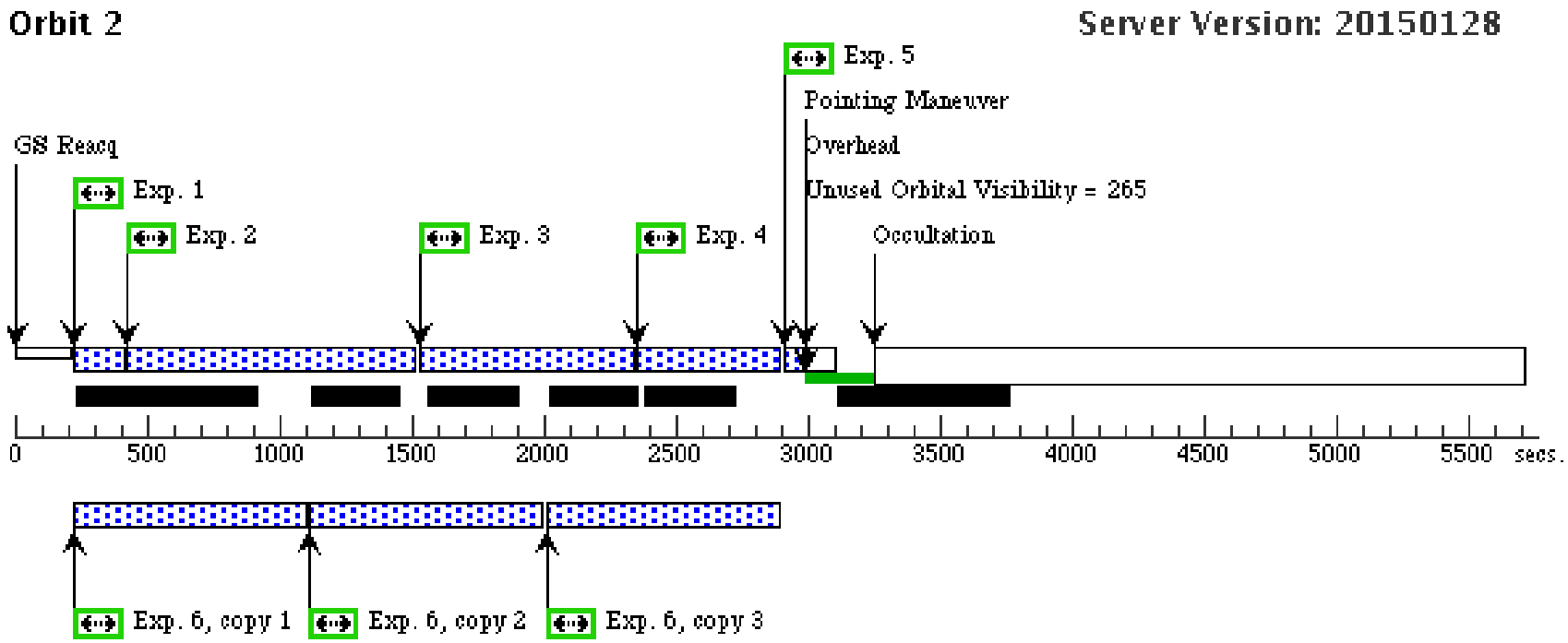
Proposal 14056 - Tile Visit 06 - Veil Nebula mosaic

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
1		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F555W	FLASH=12	POS TARG 70.2857 7181061569,144.653 8999477054	Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	60 Secs (180 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
2		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F502N	FLASH=12	POS TARG 70.2857 7181061569,144.653 8999477054	Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	950 Secs (2850 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
3		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F673N	FLASH=12	POS TARG 70.2857 7181061569,144.653 8999477054	Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	665 Secs (1995 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
4		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F657N	FLASH=12	POS TARG 70.2857 7181061569,144.653 8999477054	Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	400 Secs (1200 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
5		(2) NGC-6960-VEIL	WFC3/UVIS, ACCUM, UVIS-CENTER	F814W	FLASH=12	POS TARG 70.2857 7181061569,144.653 8999477054	Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	40 Secs (120 Secs)	
								[==>(Pattern 1)]	***[1]***
								[==>(Pattern 2)]	***[2]***
								[==>(Pattern 3)]	***[3]***
6		ANY	ACS/WFC, ACCUM, WFCENTER	F658N	FLASH=16		Pattern 1, Exps 1-6 in Tile Visit 06 (1) Prime + Parallel Group 1-6 in Pattern 1, Exps 1-6 in Tile Visit 06	750 Secs X 3 (6750 Secs)	
								[==>(Pattern 1, Copy 1)] *[==>(Pattern 1, Copy 2)]* *[==>(Pattern 1, Copy 3)]*	***[1]***
								[==>(Pattern 2, Copy 1)] *[==>(Pattern 2, Copy 2)]* *[==>(Pattern 2, Copy 3)]*	***[2]***
								[==>(Pattern 3, Copy 1)] *[==>(Pattern 3, Copy 2)]* *[==>(Pattern 3, Copy 3)]*	***[3]***

Orbit Structure

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Exp. 5
Pointing Maneuver
Overhead
Unused Orbital Visibility = 265
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Occultation
0
500
1000
1500
2000
2500
3000
3500
4000
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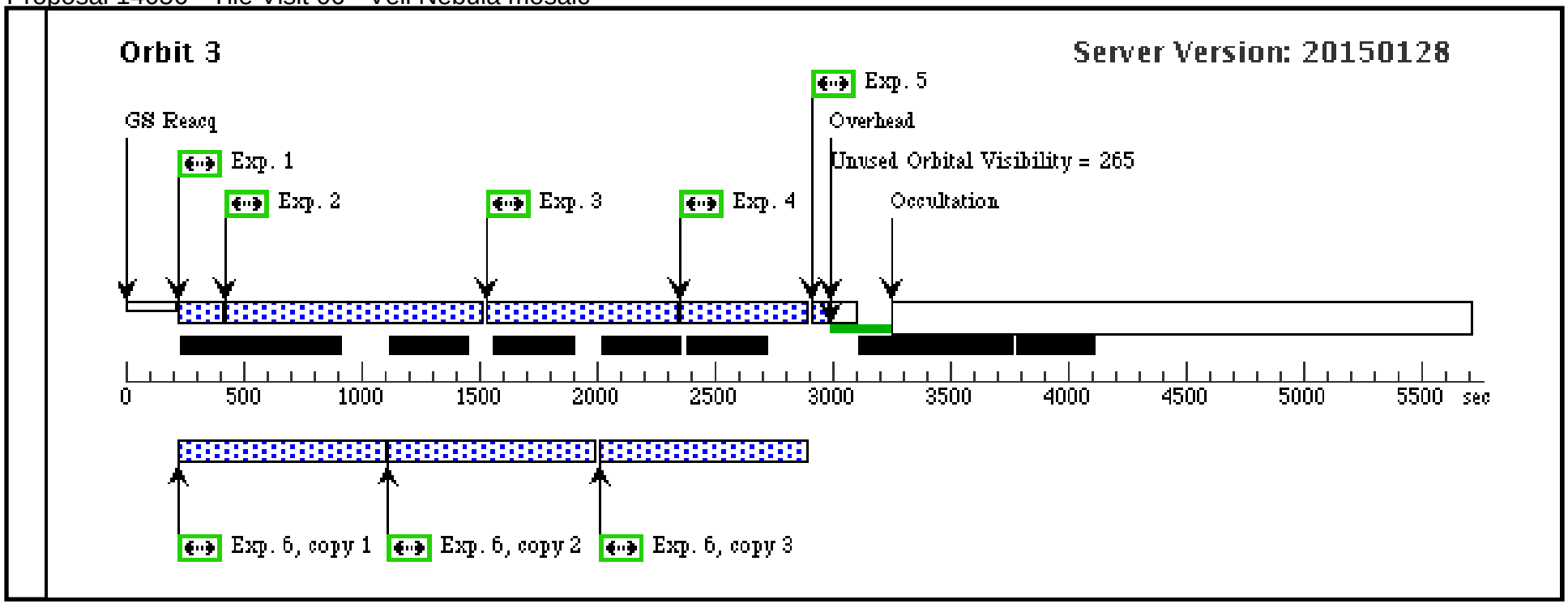
secs.
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3


Orbit 3
Server Version: 20150128
GS Reacq
Exp. 1
Exp. 2
Exp. 3
Exp. 4
Exp. 5
Overhead
Unused Orbital Visibility = 265
Occultation
0
500
1000
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2000
2500
3000
3500
4000
4500
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5500
sec
Exp. 6, copy 1
Exp. 6, copy 2
Exp. 6, copy 3