11017 - Hubble Heritage Observations of SN1006

Cycle: 15, 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	(1) SN1006-NW-POS1	WFPC2	1	07-Mar-2008 21:00:41.0	yes
02	(2) SN1006-NW-POS2	WFPC2	1	07-Mar-2008 21:00:46.0	yes

2 Total Orbits Used

ABSTRACT

The Hubble Heritage team will obtain broadband images of SN1006 to combine with the Halpha data obtained in proposal 10577 (PI: Raymond). Three broadband filters will be used with two pointings of the WFPC2 to obtain star colors. A composite image of the Heritage stars along with the Halpha filament will be created, resulting in a public release image.

OBSERVING DESCRIPTION

Two orbits of HST time will be divided into two pointings and 12 exposures. These 12 exposures will be divided among 3 filters, F555W, F439W, and F814W. Previous Halpha observations of this region of SN1006 were not dithered over the chip gap. We anticipate no issues with this for a public release image. The orient will be selected that best lines the WFPC2 observations up with the ACS/WFC observations from proposal 10577.

Visit

Proposal 11017, Visit 01, implementation Sat Mar 08 02:00:50 GMT 2008

Diagnostic Status: No Diagnostics

Scientific Instruments: WFPC2

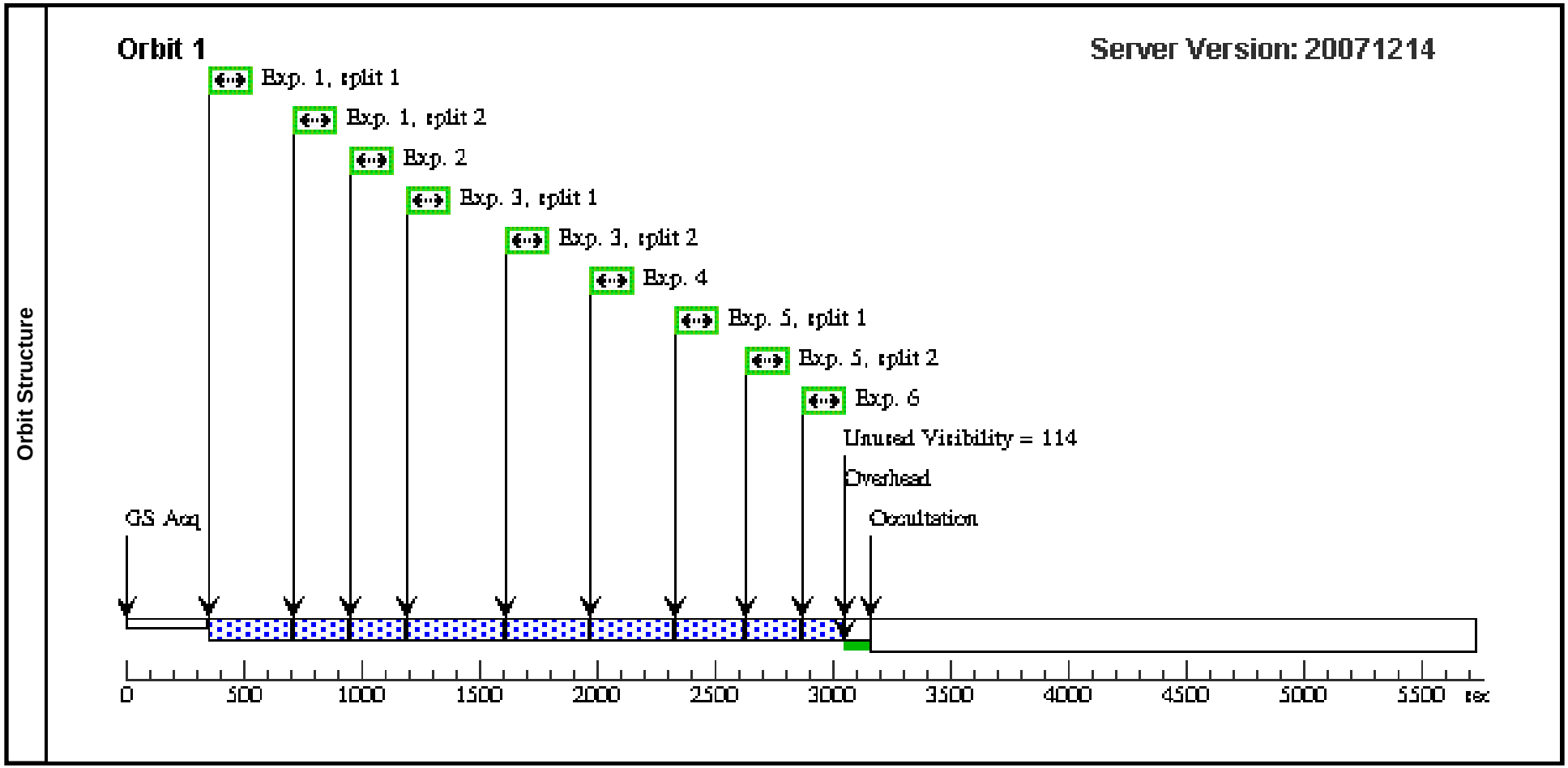
Special Requirements: ORIENT 333.0D TO 333.0 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(1)	SN1006-NW-POS1	RA: 15 02 17.5200 (225.5730000d) Dec: -41 45 19.50 (-41.75542d) Equinox: J2000	Proper Motion RA: -0.018s/yr Proper Motion Dec: 0.2"/yr Epoch of Position: 1998.0	V=(?) 3.2E-16 erg(cm2 s arsec2) in H a lpha	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F555W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	320.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
2		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F555W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	160.0 Secs *[==>]*	*[1]*
3		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F439W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	520.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
4		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F439W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	260.0 Secs *[==>]*	*[1]*
5		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	320.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	*[1]*
6		(1) SN1006-NW-POS1	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	160.0 Secs *[==>]*	*[1]*


Orbit Structure
Orbit 1
Server Version: 20071214
Exp. 1, split 1
Exp. 1, split 2
Exp. 2
Exp. 3, split 1
Exp. 3, split 2
Exp. 4
Exp. 5, split 1
Exp. 5, split 2
Exp. 6
Unused Visibility = 114
Overhead
Occultation
GS Acq
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec

Visit

Proposal 11017, Visit 02, implementation Sat Mar 08 02:00:51 GMT 2008

Diagnostic Status: No Diagnostics

Scientific Instruments: WFPC2

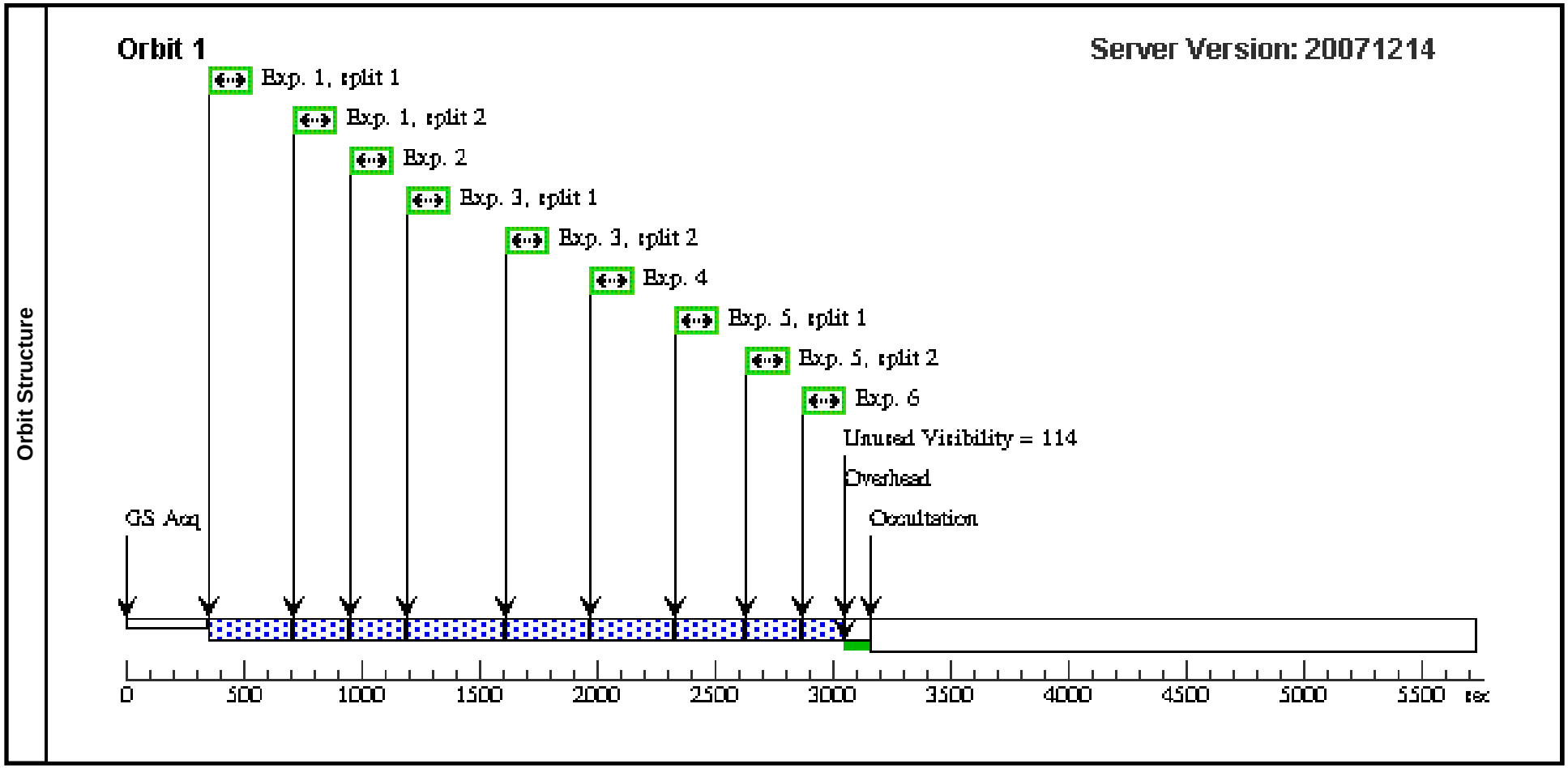
Special Requirements: ORIENT 333.0D TO 333.0 D

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous
(2)	SN1006-NW-POS2	RA: 15 02 10.9200 (225.5455000d) Dec: -41 44 56.80 (-41.74911d) Equinox: J2000	Proper Motion RA: -0.018s/yr Proper Motion Dec: 0.2"/yr Epoch of Position: 1998.0	V=(?) 3.2E-16 erg(cm2 s arsec2) in H a lpha	Reference Frame: ICRS

Exposures

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
1		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F555W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	320.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
2		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F555W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	160.0 Secs *[==>]*	***[1]***
3		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F439W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	520.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
4		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F439W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	260.0 Secs *[==>]*	***[1]***
5		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=.5; CLOCKS=YES		Same Alignment	320.0 Secs *[==>(Split 1)]* *[==>(Split 2)]*	***[1]***
6		(2) SN1006-NW-POS2	WFPC2, IMAGE, WFALL	F814W	CR-SPLIT=NO; CLOCKS=YES		Same Alignment	160.0 Secs *[==>]*	***[1]***


Orbit Structure
Orbit 1
Server Version: 20071214
Exp. 1, split 1
Exp. 1, split 2
Exp. 2
Exp. 3, split 1
Exp. 3, split 2
Exp. 4
Exp. 5, split 1
Exp. 5, split 2
Exp. 6
Unused Visibility = 114
Overhead
Occultation
GS Acq
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
sec