



10770 - Hubble Heritage Observations of Mars at 2005 Opposition and Closest Approach.

Cycle: 14, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets</i>	<i>Configurations</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) MARS-2005-WFPC2	WFPC2	1	18-Oct-2005 21:25:33.0	yes
02	(2) MARS-2005-ACS	ACS/HRC	1	18-Oct-2005 21:25:47.0	yes

2 Total Orbits Used

ABSTRACT

The Hubble Heritage team will obtain images of Mars during the 2005 closest approach and opposition. On October 28th, 2005, ACS HRC observations of Mars will be taken, corresponding to a time nearest closest approach. On November 7th, 2005, WFPC2 images of Mars will be taken, to add data to the 10 year WFPC2 imaging of Mars as well as to have an image of the planet at opposition. Both datasets will be used for a public release image.

OBSERVING DESCRIPTION

Observing Mars with WFPC2 using F255, F336, F410, F502, F631, F673, LRF-7500, LRF-8550, F953, F1042, and ACS using FR459M-4100, F502N, F658N, FR914M and F892N, and F250W, F330W, F435W, F814W using POL0UV, POL60UV, and POL120.

ADDITIONAL COMMENTS

The ACS data will require quick look and fast track to make the data available as quickly as possible.

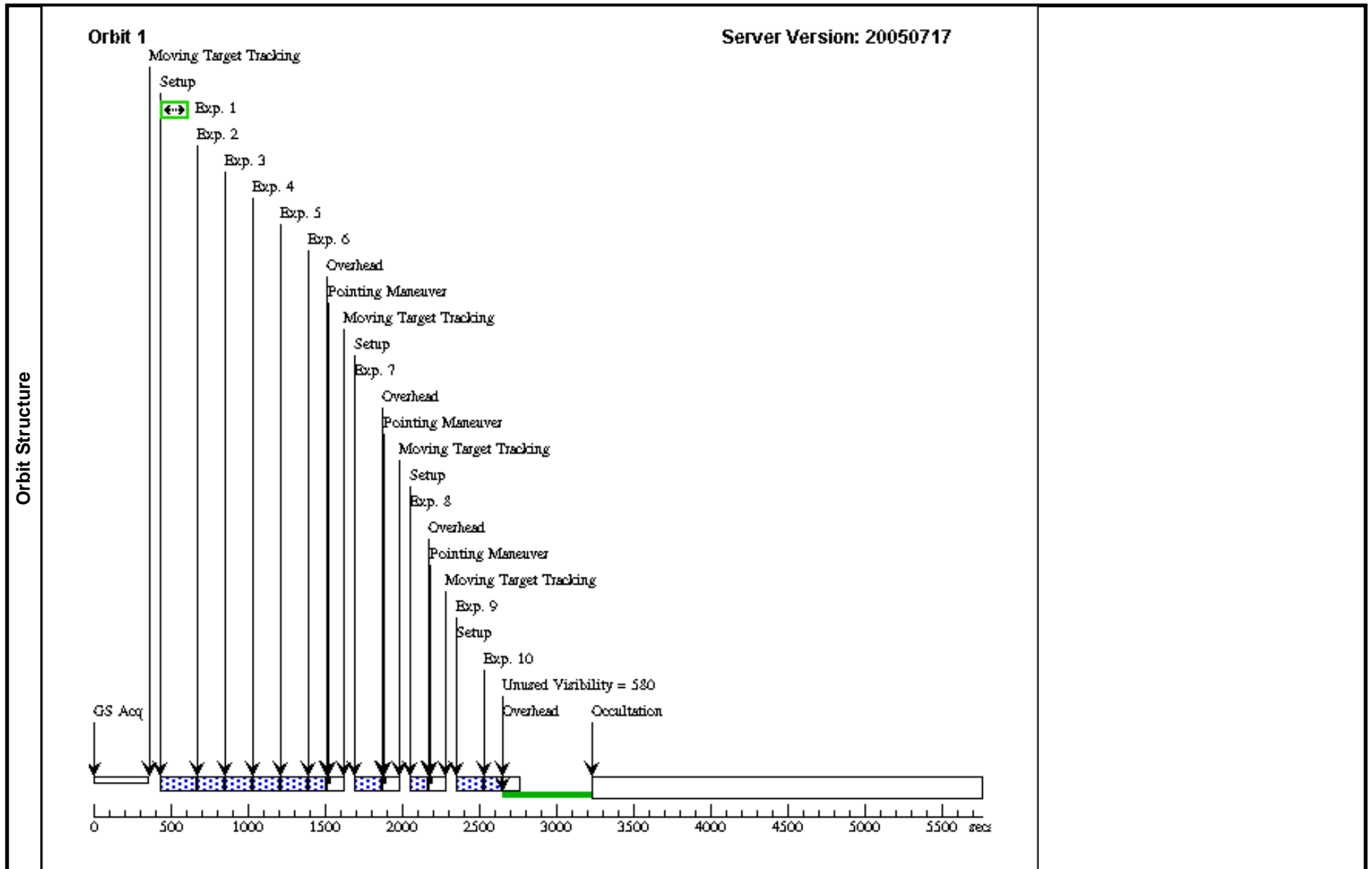
Proposal 10770 - Visit 01 - Hubble Heritage Observations of Mars at 2005 Opposition and Closest Approach.

Wed Oct 19 01:25:50 GMT 2005

Visit	Proposal 10770, Visit 01 Diagnostic Status: Warning Scientific Instruments: WFPC2 Special Requirements: BETWEEN 06-NOV-2005:00:00:00 AND 08-NOV-2005:00:00:00									
	Diagnostics	(Visit 01) Warning: EXPOSURE TIME DECREASED FOR WFPC (Visit 01) Warning: EXPOSURE TIME DECREASED FOR WFPC (Visit 01) Warning: EXPOSURE TIME DECREASED FOR WFPC								
Solar System Targets		#	Name	Level 1	Level 2	Level 3	Window			
	(1)	MARS-2005-WFPC2	STD=MARS							
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	F255W	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F255W	CR-SPLIT=NO			60.0 Secs [==>]	[1]
	2	F336W	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F336W	CR-SPLIT=NO			1.3 Secs [==>]	[1]
	3	F410M	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F410M	CR-SPLIT=NO			1.2 Secs [==>]	[1]
	4	F502N	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F502N	CR-SPLIT=NO			1.8 Secs [==>]	[1]
	5	F631N	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F631N	CR-SPLIT=NO			0.37 Secs [==>]	[1]
	6	F673N	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F673N	CR-SPLIT=NO			0.24 Secs [==>]	[1]
	7	LRF-7500	(1) MARS-2005-WFPC2	WFPC2, IMAGE, LRF	LRF 7500.0 A	CR-SPLIT=NO			0.11 Secs [==>]	[1]
	8	LRF-8550	(1) MARS-2005-WFPC2	WFPC2, IMAGE, LRF	LRF 8550.0 A	CR-SPLIT=NO			0.16 Secs [==>]	[1]
	9	F953N	(1) MARS-2005-WFPC2	WFPC2, IMAGE, PC1-FIX	F953N	CR-SPLIT=NO			1.8 Secs [==>]	[1]

Proposal 10770 - Visit 01 - Hubble Heritage Observations of Mars at 2005 Opposition and Closest Approach.

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	10	F1042M	(1) MARS-2005-WF PC2	WFPC2, IMAGE, PC1-FIX	F1042M	CR-SPLIT=NO			1.6 Secs [==>]	[1]



Proposal 10770 - Visit 02 - Hubble Heritage Observations of Mars at 2005 Opposition and Closest Approach.

Wed Oct 19 01:25:51 GMT 2005

Visit	Proposal 10770, Visit 02									
	Diagnostic Status: No Diagnostics									
Solar System Targets	Scientific Instruments: ACS/HRC									
	Special Requirements: BETWEEN 28-OCT-2005:00:00:00 AND 31-OCT-2005:00:00:00									
#	Name	Level 1	Level 2	Level 3	Window					
(2)	MARS-2005-ACS	STD=MARS								
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	FR459M/4100	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR459M 4100.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	2	F502N	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F502N	CR-SPLIT=NO; GAIN=2			5.0 Secs [==>]	[1]
	3	F658N	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F658N	CR-SPLIT=NO; GAIN=2			1.2 Secs [==>]	[1]
	4	POL0UV/F250W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F250W POL0UV	CR-SPLIT=NO; GAIN=2			62.0 Secs [==>]	[1]
	5	POL60UV/F250W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F250W POL60UV	CR-SPLIT=NO; GAIN=2			62.0 Secs [==>]	[1]
	6	POL120UV/F250W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F250W POL120UV	CR-SPLIT=NO; GAIN=2			62.0 Secs [==>]	[1]
	7	POL0UV/F330W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F330W POL0UV	CR-SPLIT=NO; GAIN=2			12.0 Secs [==>]	[1]
	8	POL60UV/F330W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F330W POL60UV	CR-SPLIT=NO; GAIN=2			12.0 Secs [==>]	[1]
	9	POL120UV/F330W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F330W POL120UV	CR-SPLIT=NO; GAIN=2			12.0 Secs [==>]	[1]
	10	POL0UV/F435W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F435W POL0UV	CR-SPLIT=NO; GAIN=2			2.0 Secs [==>]	[1]
	11	POL60UV/F435W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F435W POL60UV	CR-SPLIT=NO; GAIN=2			2.0 Secs [==>]	[1]
12	POL120UV/F435W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F435W POL120UV	CR-SPLIT=NO; GAIN=2			2.0 Secs [==>]	[1]	

Proposal 10770 - Visit 02 - Hubble Heritage Observations of Mars at 2005 Opposition and Closest Approach.

Exposures (continued)	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	13	POL0UV/F8 14W	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F814W POL0UV	CR-SPLIT=NO; GAIN=2			0.5 Secs [==>]	[1]
	14	FR914M/75 74	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 7574.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	15	FR914M/80 00	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 8000.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	16	FR914M/86 00	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 8600.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	17	F892N	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	F892N	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	18	FR914M/95 00	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 9500.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	19	FR914M/10 000	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 10000.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]
	20	FR914M/10 709	(2) MARS-2005-AC S	ACS/HRC, ACCUM, HRC	FR914M 10709.0 A	CR-SPLIT=NO; GAIN=2			1.0 Secs [==>]	[1]

