



11867 - HH 30

Cycle: 16, Proposal Category: GO/DD

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) HH-30-OFFSET	WFPC2	4	27-Oct-2008 21:27:23.0	yes
51	(1) HH-30-OFFSET	WFPC2	4	27-Oct-2008 21:27:31.0	yes

8 Total Orbits Used

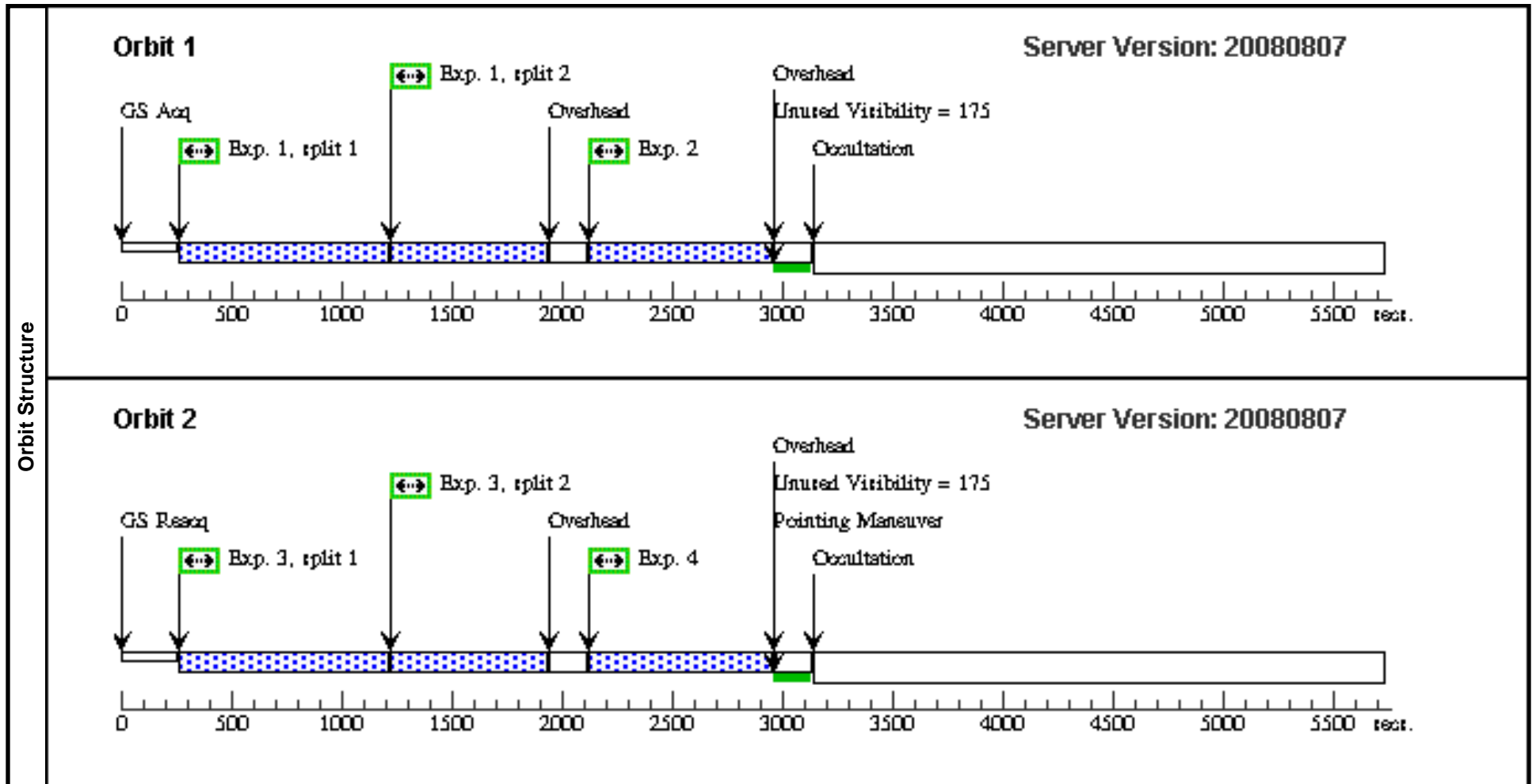
ABSTRACT

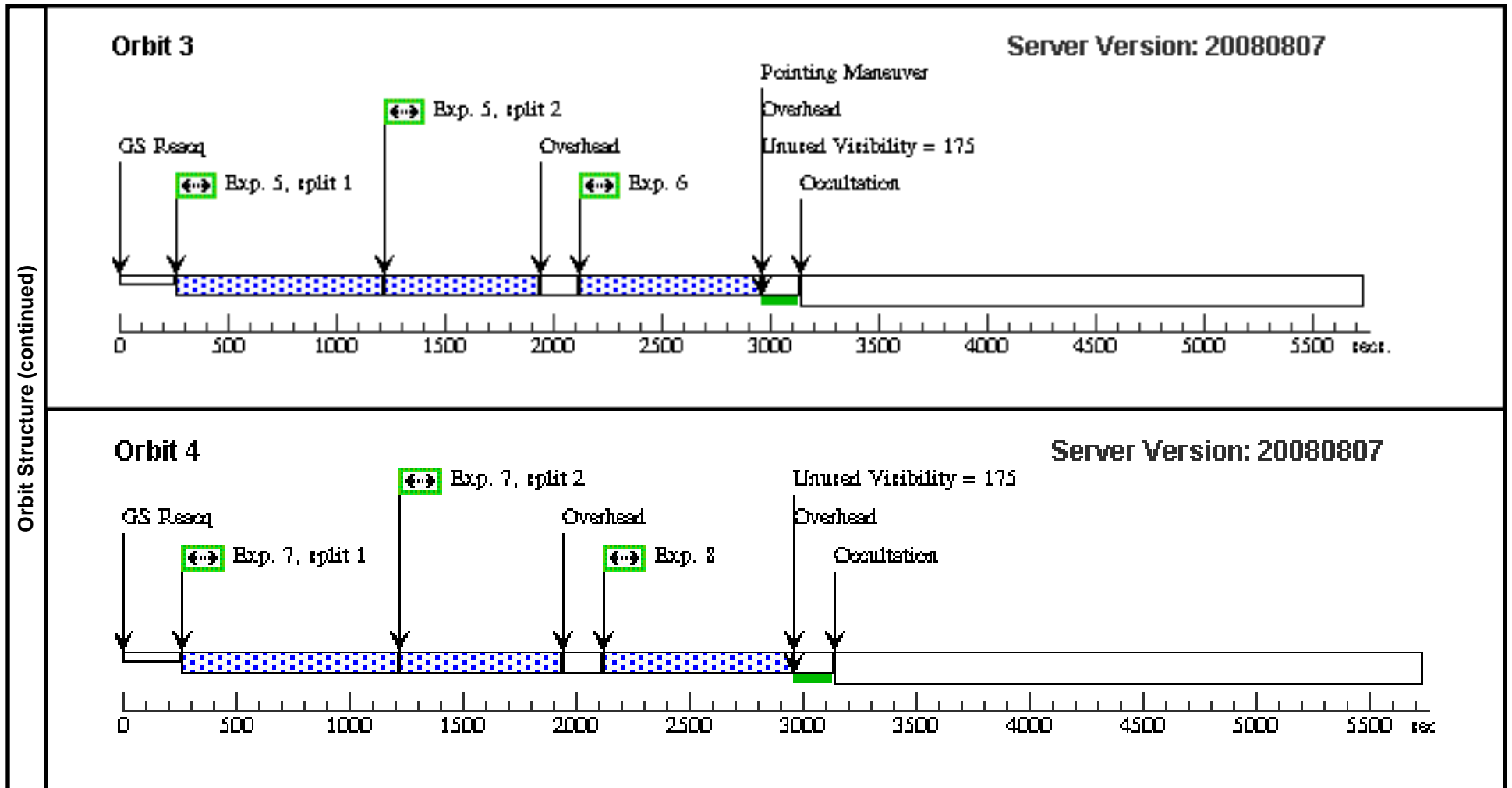
This is an end-of-life WFPC2 imaging program of the disk and jet of the young star HH 30. HH 30 will be observed on PC1 in filters F555W, F675W, and F814W. Jet emission will be seen in F675W extending to the NNW. F555W and F814W each get one orbit of long exposures, and F675W gets two orbits to see the jet at large distances. The orientation is specified to ensure that the jet is not truncated by the chip edge and to place the nearby star XZ Tau in the far corner of WF2.

OBSERVING DESCRIPTION

This is a end-of-WFPC2 public release program. Images of the disk and jet of HH 30 will be taken in 3 filters on WFPC2 PC1: 1 orbit each in F814W and F555W, and two orbits in F675W. The longer F675W total exposure is to get a deep image of the jet, which is fainter than the disk. The orientation and offset were selected to provide a suitable view of the jet, provide guide stars, and to position the nearby star XZ Tau in the far corner of WF2. Because of the limited orbits and potential of read noise to interfere with the jet imaging, dithers are not used to avoid overhead. The long exposure times will not saturate any part of HH 30.

Visit		Proposal 11867, Visit 01, scheduling Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SCHED 70%; ORIENT 275D TO 280 D									
Fixed Targets		#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
		(1)	HH-30-OFFSET	RA: 04 31 37.4915 (67.9062146d) Dec: +18 12 29.25 (18.20812d) Equinox: J2000		V=14	Reference Frame: ICRS				
		<i>Comments: Target coordinates are slightly offset from HH-30 to provide maximum extent imaging of the HH 30 jet and place XZ Tau on WF2 at the specified orientation.</i>									
Exposures		#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
		1	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F814W	CR-SPLIT=DEF	GS ACQ SCENARI O ONEBIT3			1400 Secs [==>(Split 1)] [==>(Split 2)]	[1]
		2	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F814W	CR-SPLIT=NO				700 Secs [==>]	[1]
		3	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=DEF				1400 Secs [==>(Split 1)] [==>(Split 2)]	[2]
		4	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=NO				700 Secs [==>]	[2]
		5	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=DEF	POS TARG 0.091,0.091			1400 Secs [==>(Split 1)] [==>(Split 2)]	[3]
		6	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=NO	SAME POS AS 5			700 Secs [==>]	[3]
		7	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F555W	CR-SPLIT=DEF				1400 Secs [==>(Split 1)] [==>(Split 2)]	[4]
		8	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F555W	CR-SPLIT=NO				700 Secs [==>]	[4]





Visit	Proposal 11867, Visit 51, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFPC2 Special Requirements: SCHED 70%									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	HH-30-OFFSET	RA: 04 31 37.4915 (67.9062146d) Dec: +18 12 29.25 (18.20812d) Equinox: J2000		V=14	Reference Frame: ICRS				
	<i>Comments: Target coordinates are slightly offset from HH-30 to provide maximum extent imaging of the HH 30 jet and place XZ Tau on WF2 at the specified orientation.</i>									
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F814W	CR-SPLIT=DEF	GSPAIR NA4D0000 32F2NA42000184F3 ; GS ACQ SCENARI O BASE1T3		1400 Secs [==>(Split 1)] [==>(Split 2)]	[1]	
	2	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F814W	CR-SPLIT=NO			700 Secs [==>]	[1]	
	3	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=DEF			1400 Secs [==>(Split 1)] [==>(Split 2)]	[2]	
	4	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=NO			700 Secs [==>]	[2]	
	5	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=DEF	POS TARG 0.091,0.091		1400 Secs [==>(Split 1)] [==>(Split 2)]	[3]	
	6	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F675W	CR-SPLIT=NO	SAME POS AS 5		700 Secs [==>]	[3]	
	7	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F555W	CR-SPLIT=DEF			1400 Secs [==>(Split 1)] [==>(Split 2)]	[4]	
	8	(1) HH-30-OFFSET	WFPC2, IMAGE, PC1-FIX	F555W	CR-SPLIT=NO			700 Secs [==>]	[4]	

