



11439 - WFC3 IR PSF Wings

Cycle: 17, Proposal Category: SM4/WFC3

(Availability Mode: RESTRICTED)

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) GD153	WFC3/IR	5	23-Jul-2008 21:13:12.0	yes

5 Total Orbits Used

ABSTRACT

The IR PSF wings will be evaluated at 5 field points, near field center and corners in two passbands to verify CEI specifications at 1 and 1.6 μm . The F098M and F160W filters will be used. Full frame images of a moderately bright, isolated star will be obtained at each field position with a series of increasing exposure times designed to permit construction of a very high SNR PSF with dynamic range sufficient to evaluate the wing intensity to >5 arcsec radius. The images will also permit examination of potential straylight effects, electronic cross-talk and image persistence.

This is SMOV activity WFC3-26

OBSERVING DESCRIPTION

The IR PSF wings will be evaluated at 5 field points, near field center and corners in two passbands to verify CEI specifications at 1 and 1.6 μm . The F098M and F160W filters will be used. Full frame images of a moderately bright, isolated star will be obtained at each field position with a series of increasing exposure times designed to permit construction of a very high SNR PSF with dynamic range sufficient to evaluate the wing intensity to >5 arcsec radius. The images will also permit examination of potential straylight effects, electronic cross-talk and image persistence.

Visit	Proposal 11439, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: WFC3/IR Special Requirements: (none) <i>Comments: Schedule after 11435 WFC3 IR Fine Alignment complete</i>									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
	(1)	GD153	RA: 12 57 2.3700 (194.2598750d) Dec: +22 01 56.00 (22.03222d) Equinox: J2000	Proper Motion RA: -0.0015s/yr Proper Motion Dec: -0.1893"/yr Epoch of Position: 1982.38	V=13.346+/-0.005	Reference Frame: ICRS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F098M	SAMP-SEQ=STEP1 00; NSAMP=15	POS TARG 5,5; GS ACQ SCENARI O BASE1B3	[==>]	[1]		
	2	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=15	POS TARG -5,-5	[==>]	[1]		
	3	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=15	POS TARG 38,32; NEW OBSET FULL ACQ; GS ACQ SCENARI O BASE1B3	[==>]	[2]		
	4	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F098M	SAMP-SEQ=STEP1 00; NSAMP=15	POS TARG 37,31	[==>]	[2]		
	5	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F098M	SAMP-SEQ=STEP1 00; NSAMP=15	POS TARG 38,-32; NEW OBSET FULL ACQ; GS ACQ SCENARI O BASE1B3	[==>]	[3]		
	6	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=15	POS TARG 37,-31	[==>]	[3]		
	7	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=15	POS TARG -38,-32; NEW OBSET FULL ACQ; GS ACQ SCENARI O BASE1B3	[==>]	[4]		
8	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F098M	SAMP-SEQ=STEP1 00; NSAMP=15	POS TARG -37,-31	[==>]	[4]			

Proposal 11439 - Visit 01 - WFC3 IR PSF Wings

Exposures (continued)	#	Label	Target	Config, Mode, Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	9	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F098M	SAMP-SEQ=STEP1 00; NSAMP=15	POS TARG -38,32; NEW OBSET FULL ACQ; GS ACQ SCENARI O BASE1B3	[==>]	[5]		
10	(1) GD153	WFC3/IR, MULTIACCUM, IR-FIX	F160W	SAMP-SEQ=STEP2 00; NSAMP=15	POS TARG -37,31	[==>]	[5]			





