



## 13582 - Calibration of the IR grism wavelength ZPs

Cycle: 21, Proposal Category: CAL/WFC3

(Availability Mode: RESTRICTED)

### INVESTIGATORS

<i>Name</i>	<i>Institution</i>	<i>E-Mail</i>
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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) IC-5117	WFC3/IR	1	01-Nov-2013 21:47:04.0	yes
02	(1) IC-5117	WFC3/IR	1	01-Nov-2013 21:47:20.0	yes

2 Total Orbits Used

### ABSTRACT

Observations of the IC 5117 using the G102 and G141 grism to establish a wavelength solution for the G102 and G141 grisms.

### OBSERVING DESCRIPTION

IC 5117 will be observed at three positions over the WFC3 IR field of view to establish a new wavelength dispersion. The source will also be observed at the top and bottom of the detector, centered in the x-direction to allow for +1 and -1 wavelength measurements.

Proposal 13582 - Visit 01 - Calibration of the IR grism wavelength ZPs

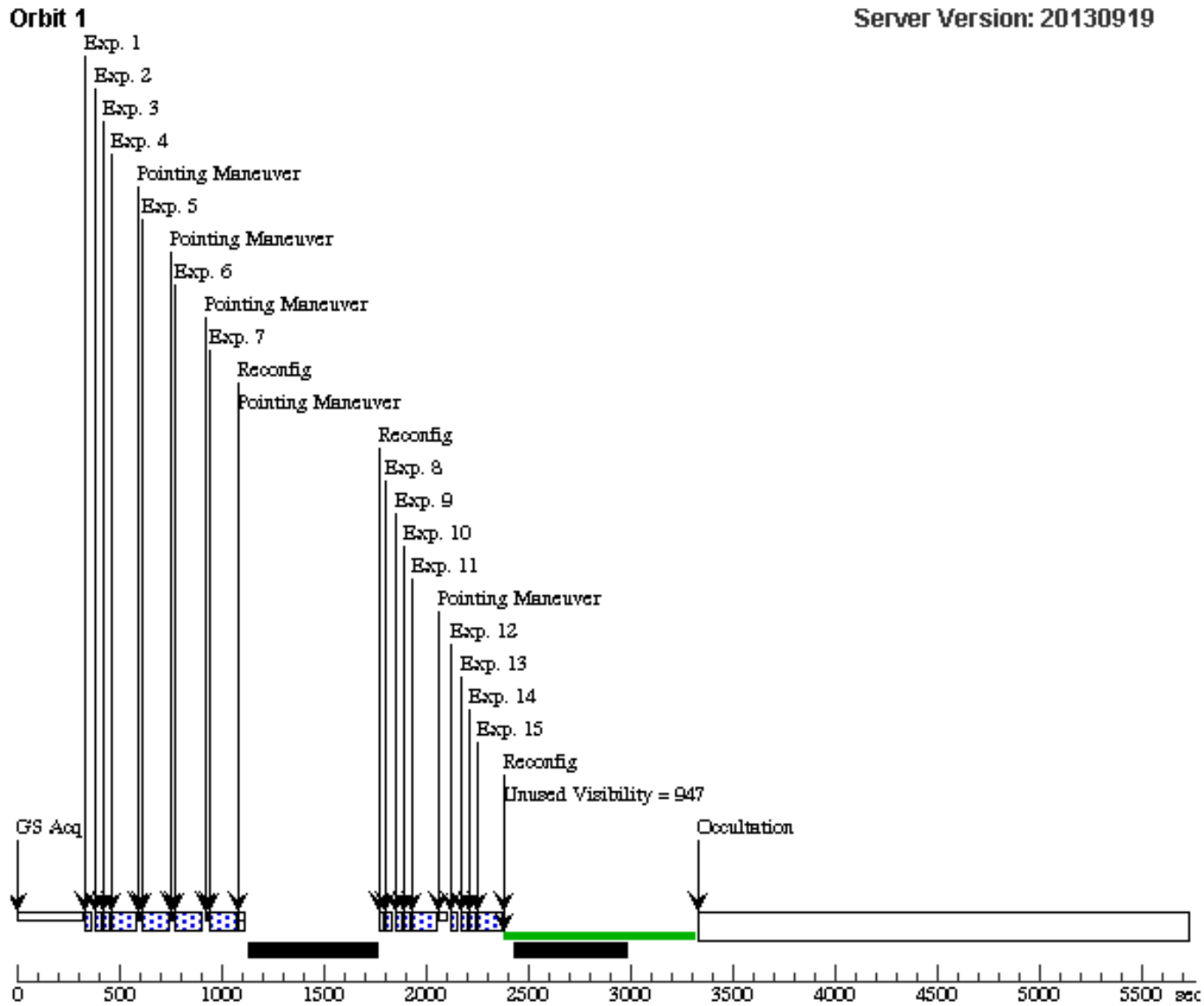
Sat Nov 02 01:47:29 GMT 2013

<b>Visit</b>	<b>Proposal 13582, Visit 01</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 333D TO 74 D; ORIENT 154D TO 254 D					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(1)		IC-5117	RA: 21 32 30.9700 (323.1290417d) Dec: +44 35 47.50 (44.59653d) Equinox: J2000		V=16.7 J=11.297 H=10.716	Reference Frame: SIMBAD
<i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i>						

Proposal 13582 - Visit 01 - Calibration of the IR grism wavelength ZPs

Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Center F098 M	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F098M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	2	Center F127 N	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	3	Center F105 W	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F105W	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 01	2.932291 Secs (2.932 Secs) [==>]	[1]
	4	Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]
	5	Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.5,0.5	Sequence 1-7 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]
	6	Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -21.0,1.0	Sequence 1-7 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]
	7	Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -21.2,1.2	Sequence 1-7 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]
	8	Upper Center F098M	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F098M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,+45.0	Sequence 8-11 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	9	Upper Center F127N	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,45.0	Sequence 8-11 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	10	Upper Center F105W	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F105W	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG -20.0,45.0	Sequence 8-11 Non-Int in Visit 01	2.932291 Secs (2.932 Secs) [==>]	[1]
	11	Upper Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,45.0	Sequence 8-11 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]
	12	Lower Center F098M	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F098M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	13	Lower Center F127N	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F127M	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 01	5.864582 Secs (5.865 Secs) [==>]	[1]
	14	Lower Center F105W	(1) IC-5117	WFC3/IR, MULTIACCUM, G102-REF	F105W	SAMP-SEQ=RAPID ; NSAMP=1	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 01	2.932291 Secs (2.932 Secs) [==>]	[1]
15	Lower Center G102	(1) IC-5117	WFC3/IR, MULTIACCUM, IR	G102	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 01	102.934351 Secs (102.934 Secs) [==>]	[1]	

Orbit Structure



Proposal 13582 - Visit 02 - Calibration of the IR grism wavelength ZPs

Sat Nov 02 01:47:32 GMT 2013

<b>Visit</b>	<b>Proposal 13582, Visit 02</b> <b>Diagnostic Status: No Diagnostics</b> Scientific Instruments: WFC3/IR Special Requirements: ORIENT 333D TO 74 D; ORIENT 154D TO 254 D					
	<b>Fixed Targets</b>	<b>#</b>	<b>Name</b>	<b>Target Coordinates</b>	<b>Targ. Coord. Corrections</b>	<b>Fluxes</b>
(1)		IC-5117	RA: 21 32 30.9700 (323.1290417d) Dec: +44 35 47.50 (44.59653d) Equinox: J2000		V=16.7 J=11.297 H=10.716	Reference Frame: SIMBAD
<i>Comments: This object was generated by the target selector and retrieved from the SIMBAD database.</i>						

Proposal 13582 - Visit 02 - Calibration of the IR grism wavelength ZPs

#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
Exposures	1	Center F140 W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F140W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	2	Center F167 N	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F167N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	3	Center F160 W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F160W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	4	Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,0.0	Sequence 1-7 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]
	5	Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.5,0.5	Sequence 1-7 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]
	6	Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -21.0,1.0	Sequence 1-7 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]
	7	Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -21.2,1.2	Sequence 1-7 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]
	8	Upper Center F140W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F140W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,+45.0	Sequence 8-11 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	9	Upper Center F167N	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F167N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,+45.0	Sequence 8-11 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	10	Upper Center F160W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F160W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,45.0	Sequence 8-11 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	11	Upper Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,+45.0	Sequence 8-11 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]
	12	Lower Center F140W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F140W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	13	Lower Center F167N	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F167N	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	14	Lower Center F160W	(1) IC-5117 WFC3/IR, MULTIACCUM, G141-REF	F160W	SAMP-SEQ=RAPID ; NSAMP=2	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 02	5.864582 Secs (5.865 Secs) [==>]	[1]
	15	Lower Center G141	(1) IC-5117 WFC3/IR, MULTIACCUM, IR	G141	SAMP-SEQ=SPARS 25 ; NSAMP=5	POS TARG -20.0,-45.0	Sequence 12-15 Non-Int in Visit 02	102.934351 Secs (102.934 Secs) [==>]	[1]

Orbit Structure

