

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2305 - L2 Version 002
Chandra X-Ray Center

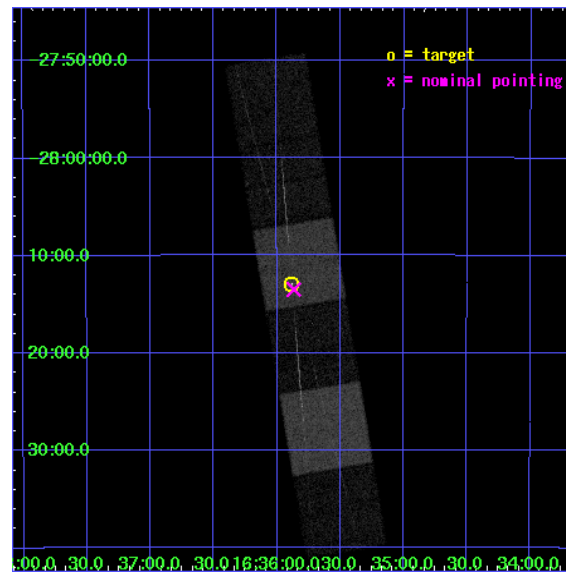
L2 Processing Date : Jun 8 2007

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1 Front

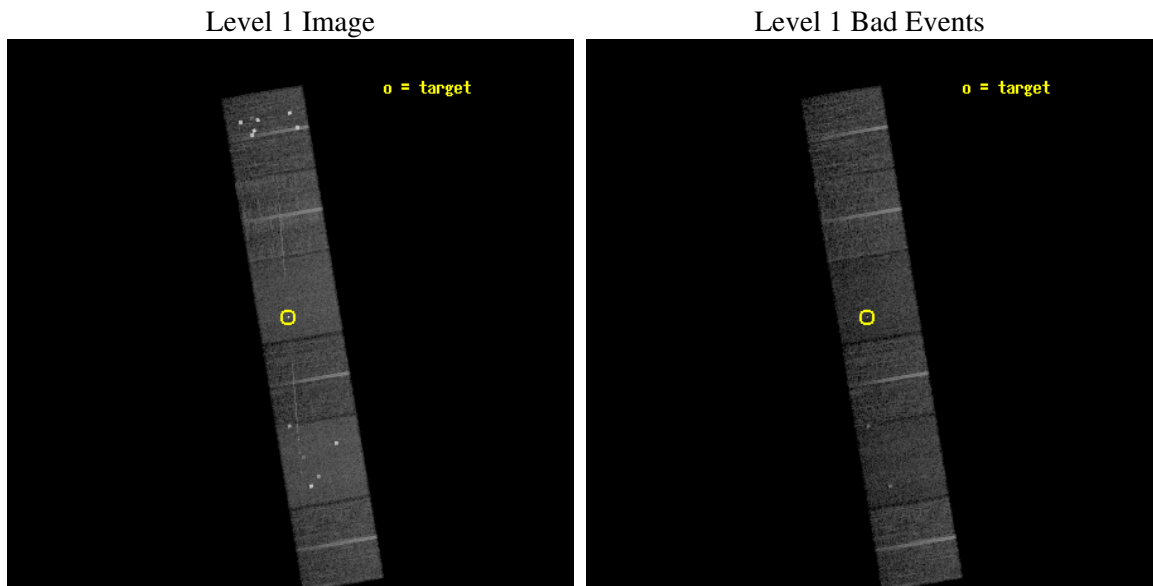
seq_num	200063
obs_id	2305
title	ARE B STAR X-RAY SOURCES WIND-CORONAL HYBRIDS?
observer	Prof. David Cohen
object	TAU SCO
dtcycle	0
cycle	P
ra_targ	248.970417
dec_targ	-28.215694
ra_nom	248.96658123854
dec_nom	-28.225015750574
roll_nom	260.45079277658
revision	3
ontime	13119.95906198
livetime	12953.826240447
ontime4	13123.200012222
ontime5	13116.71810174
ontime6	13123.200012222
ontime7	13119.95906198
ontime8	13116.718091741
ontime9	13123.200012222
l2events	113773



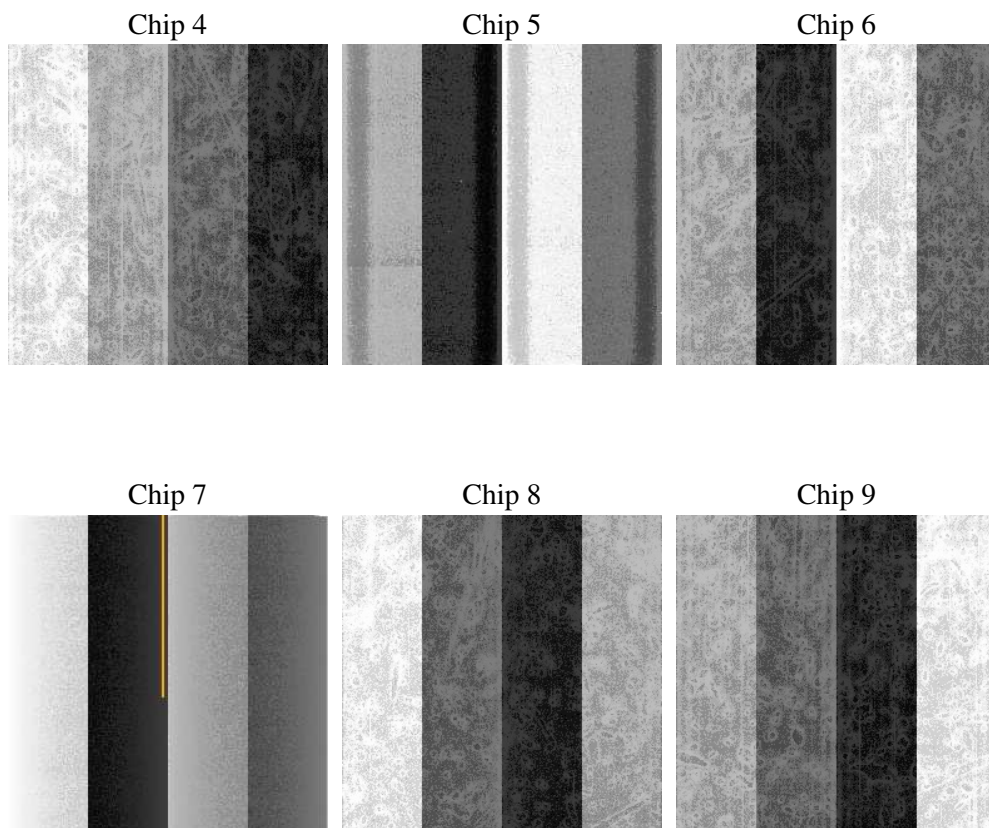
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-08T06:52:50
revision	3

sched_exp_time	13364.441000
ontime	13119.95906198
ontime4	13123.200012222
ontime5	13116.71810174
ontime6	13123.200012222
ontime7	13119.95906198
ontime8	13116.718091741
ontime9	13123.200012222
l1events	535157

2.1.4 Events

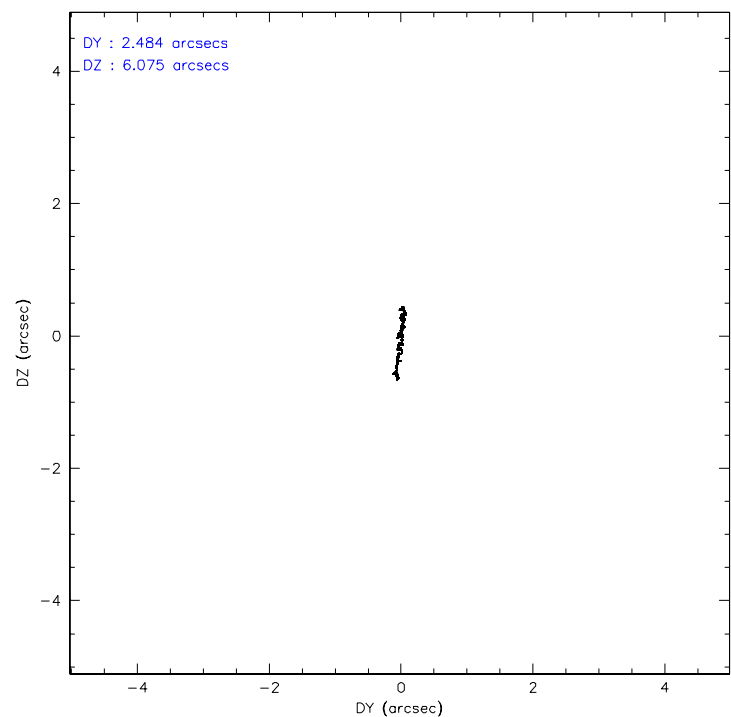
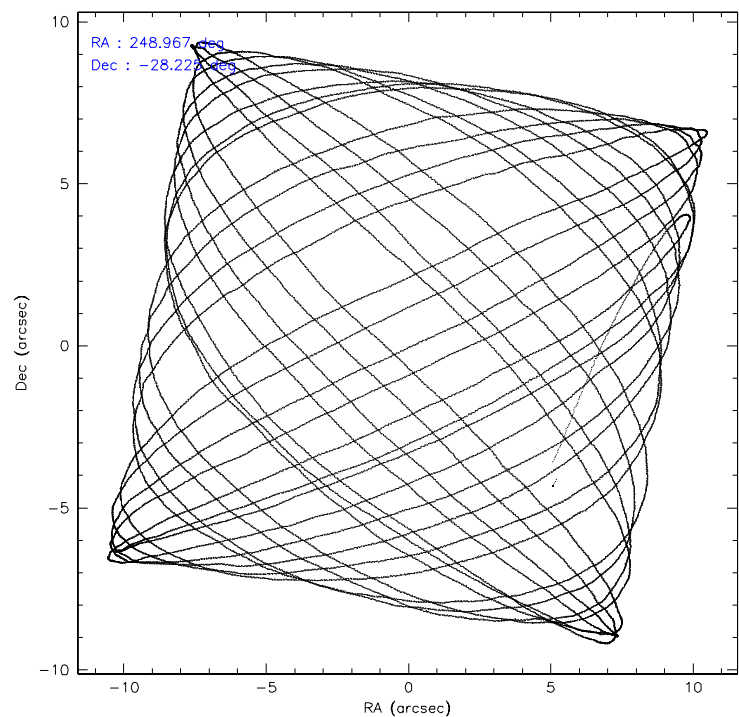
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	78535	104836	71575	90019	94169	96023
rejected events	69619	51728	61887	50863	72223	63350
rejected %	88%	49%	86%	56%	76%	65%

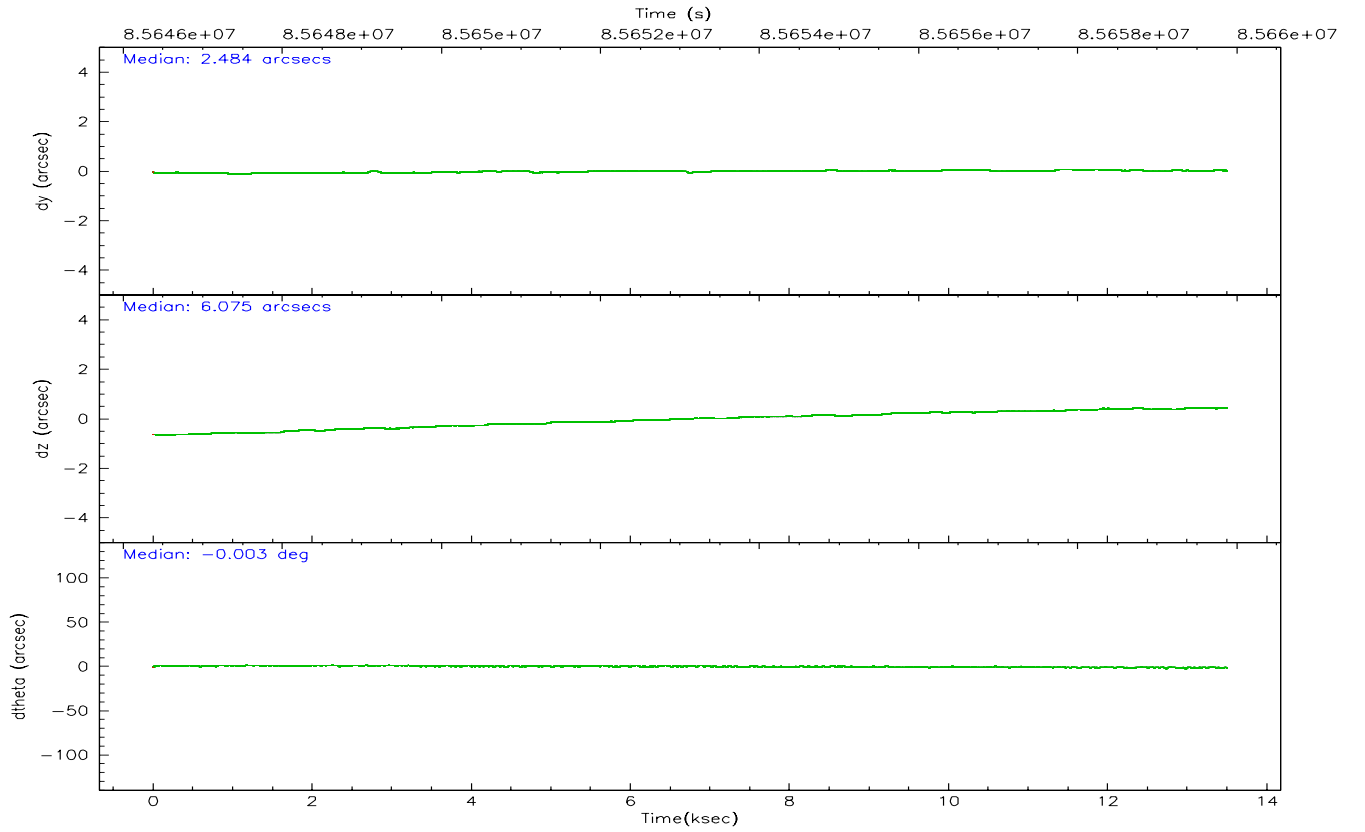
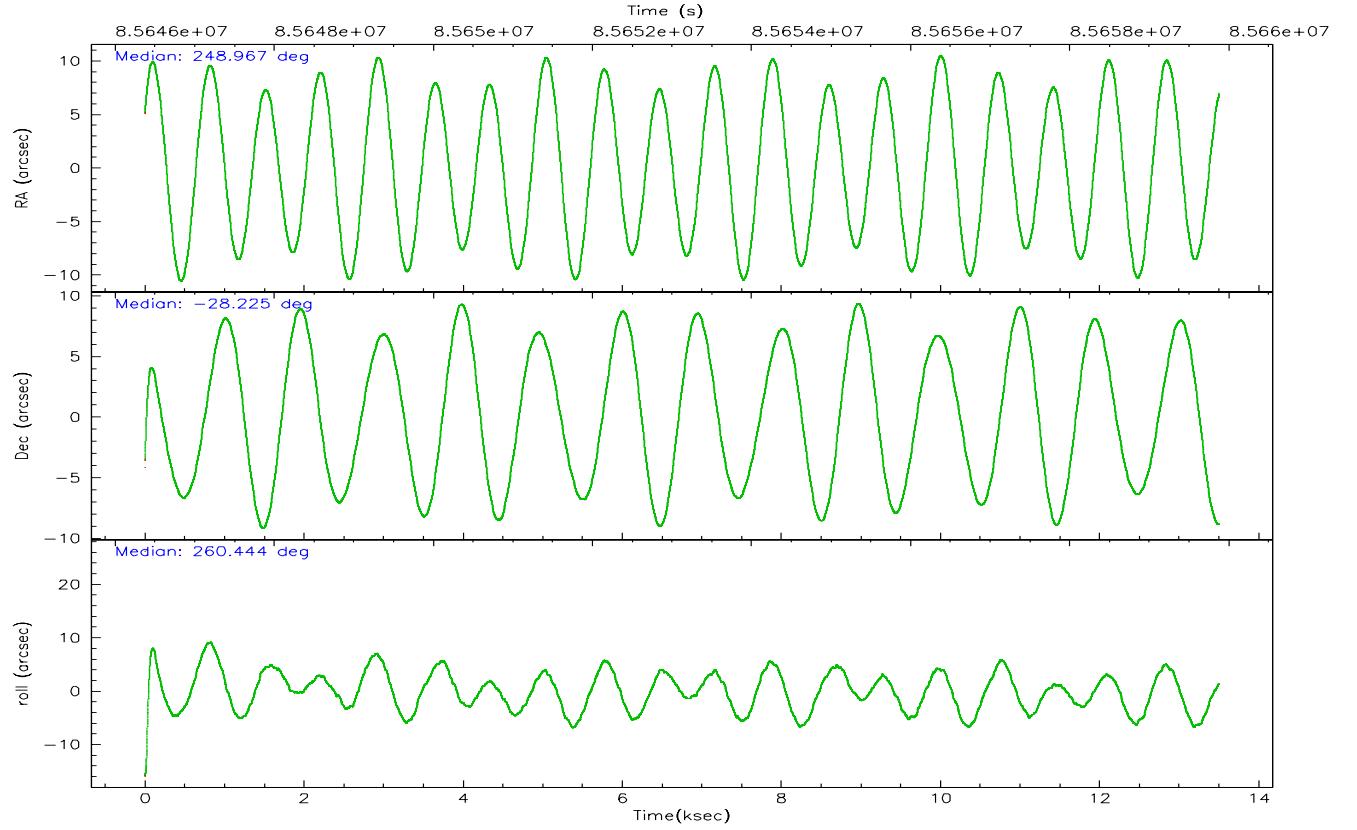
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	3853	9938	4689	4199	7858	19601
	4%	9%	6%	4%	8%	20%
grade 1 events	36	515	45	158	81	92
	0%	0%	0%	0%	0%	0%
grade 2 events	2051	15531	1743	7957	4173	9606
	2%	14%	2%	8%	4%	10%
grade 3 events	761	2213	860	3686	2634	854
	0%	2%	1%	4%	2%	0%
grade 4 events	765	2139	821	3667	2328	877
	0%	2%	1%	4%	2%	0%
grade 5 events	2460	7492	2799	8591	3657	2964
	3%	7%	3%	9%	3%	3%
grade 6 events	1490	23315	1578	19665	4956	1749
	1%	22%	2%	21%	5%	1%
grade 7 events	67119	43693	59040	42096	68482	60280
	85%	41%	82%	46%	72%	62%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	248.955541	248.9665812385431	Subarray requested	NONE	NONE
Pointing Dec	-28.199423	-28.22501575057436	Alternating exposures requested	N	N
Pointing Roll	260.288973	260.4507927765795	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1228876879999			
SIM translation stage offset (mm)	-3	-3.009634895007935			
Observation start time	85646515.184000	85644581.08261099			
Observation start date	2000-09-18T06:40:51	2000-09-18T06:09:41			
Observation end time	85659879.184000	85660193.88319799			
Observation end date	2000-09-18T10:23:35	2000-09-18T10:29:53			
Read mode	TIMED	TIMED			

2.3 Aspect



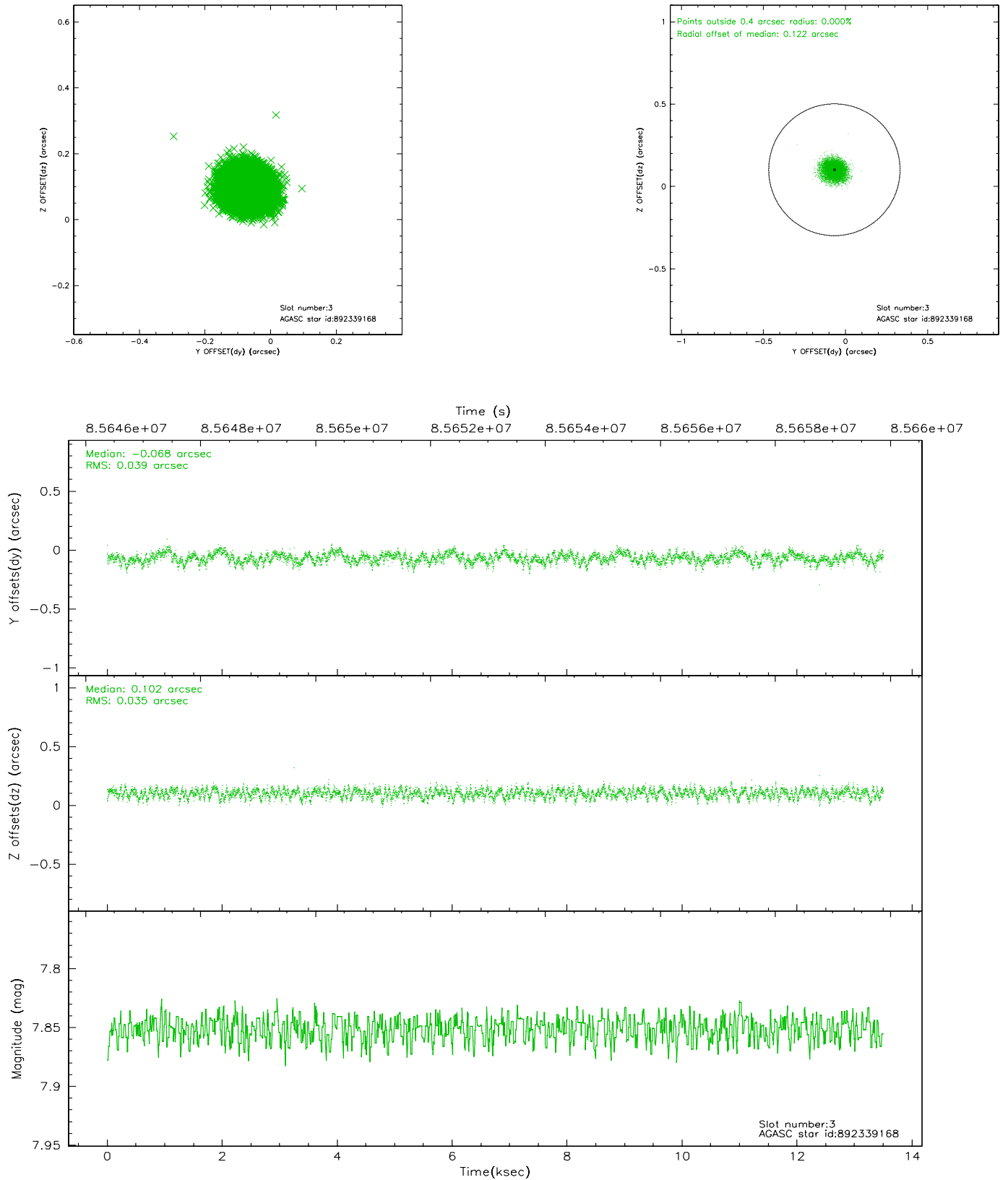


Slot Statistics

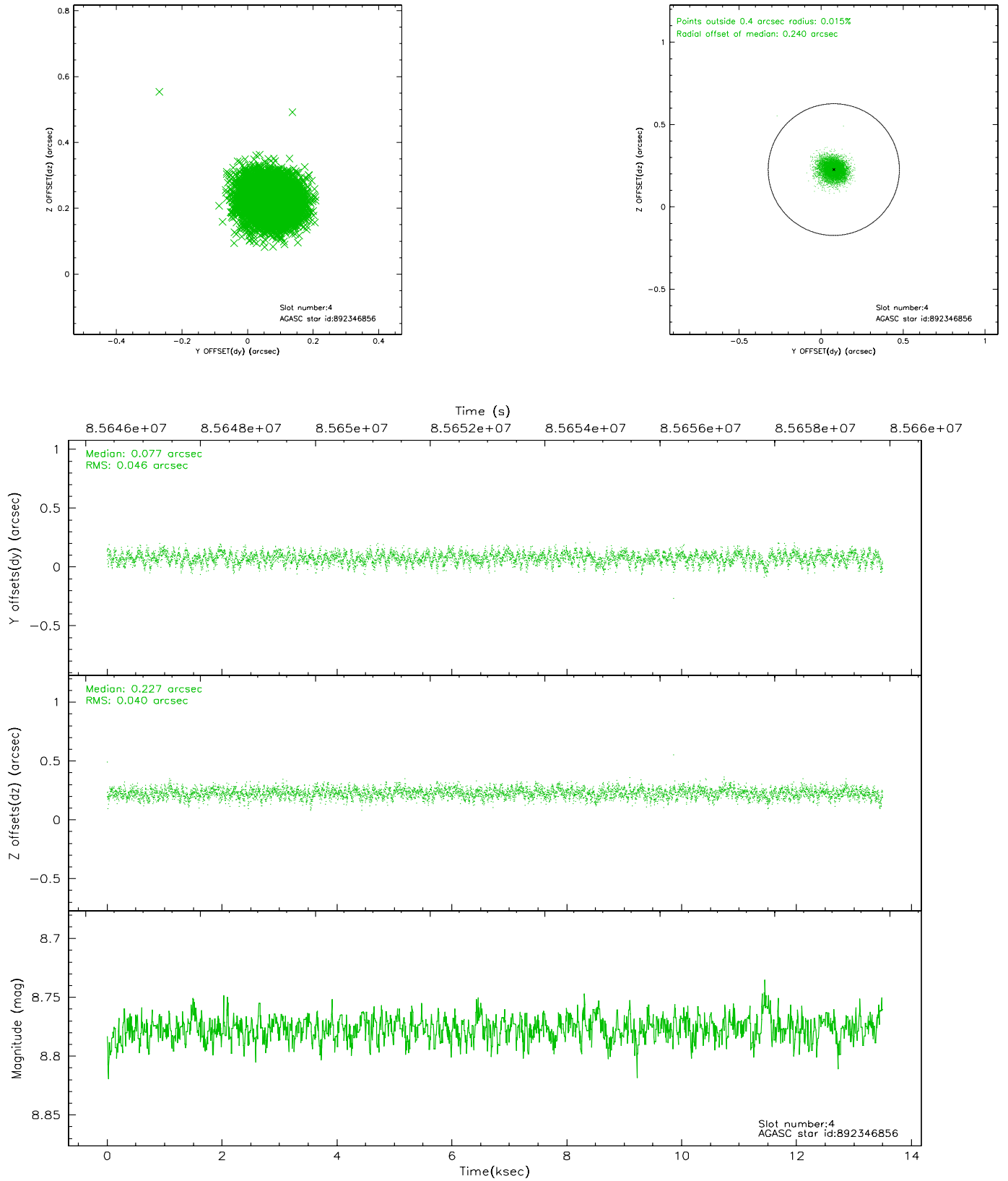
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3293	-0.016	-0.039	0.008	0.012	0.000000	0.000000	-754.93	-1789.34
1	FID	ACIS-S-4	7.19	3291	-0.049	0.018	0.006	0.010	0.000000	0.000000	2158.18	118.78
2	FID	ACIS-S-5	7.23	3294	0.034	0.029	0.006	0.011	0.000000	0.000000	-1807.25	112.91
3	GUIDE	892339168	7.85	6585	-0.068	0.102	0.056	0.090	249.539917	-28.204510	-289.13	1831.07
4	GUIDE	892346856	8.78	6569	0.077	0.227	0.065	0.105	249.406645	-28.615766	1240.83	1658.90
5	GUIDE	891683192	7.90	6585	-0.059	-0.138	0.065	0.104	248.306807	-28.115350	56.38	-2080.56
6	GUIDE	892209072	8.85	6586	0.181	-0.097	0.061	0.099	249.010790	-28.359027	538.45	268.87
7	GUIDE	891696968	8.14	6586	-0.128	-0.093	0.050	0.079	248.659799	-27.735271	-1485.40	-1211.00

2.4 Star Slots

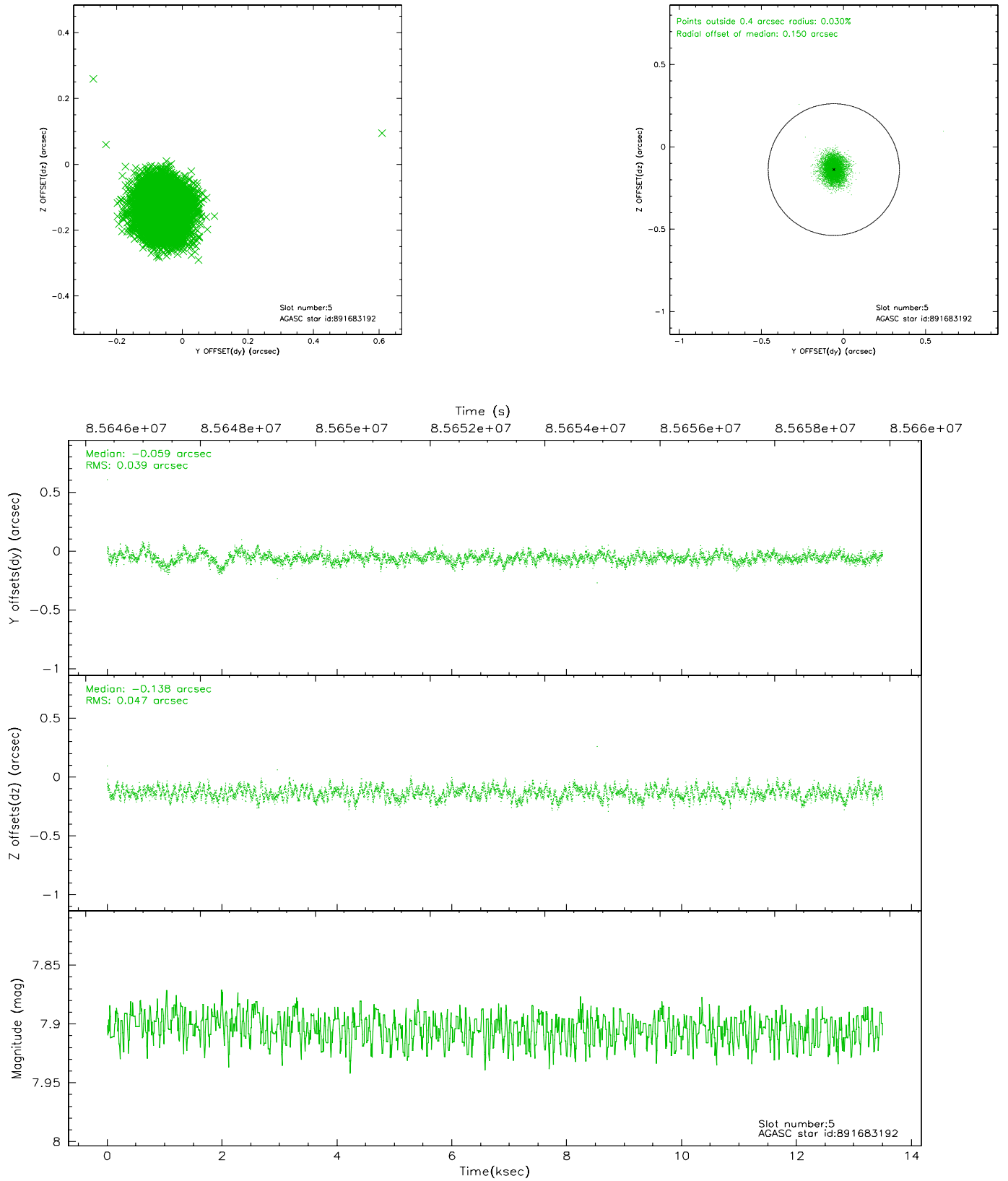
2.4.1 Slot 3



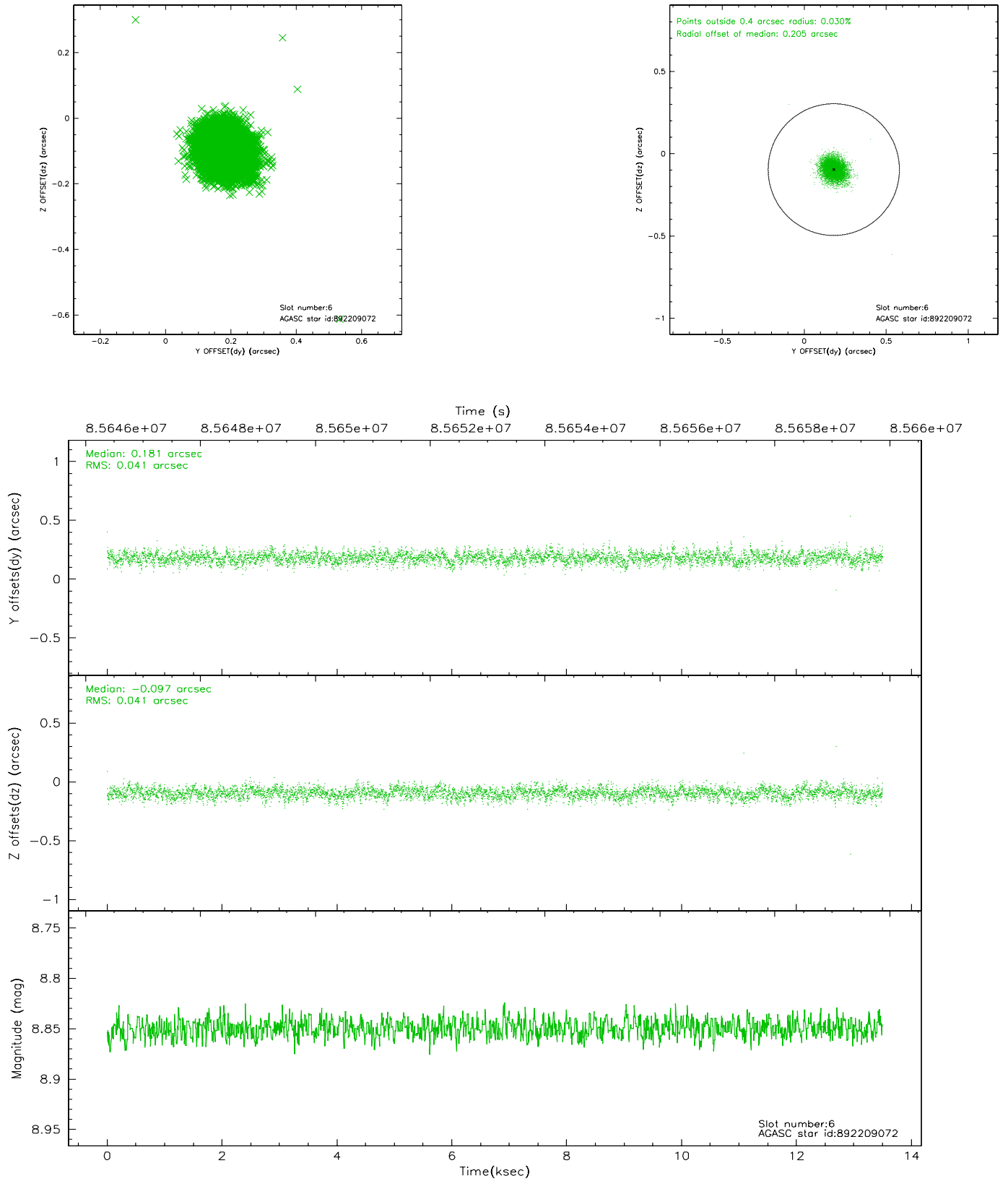
2.4.2 Slot 4



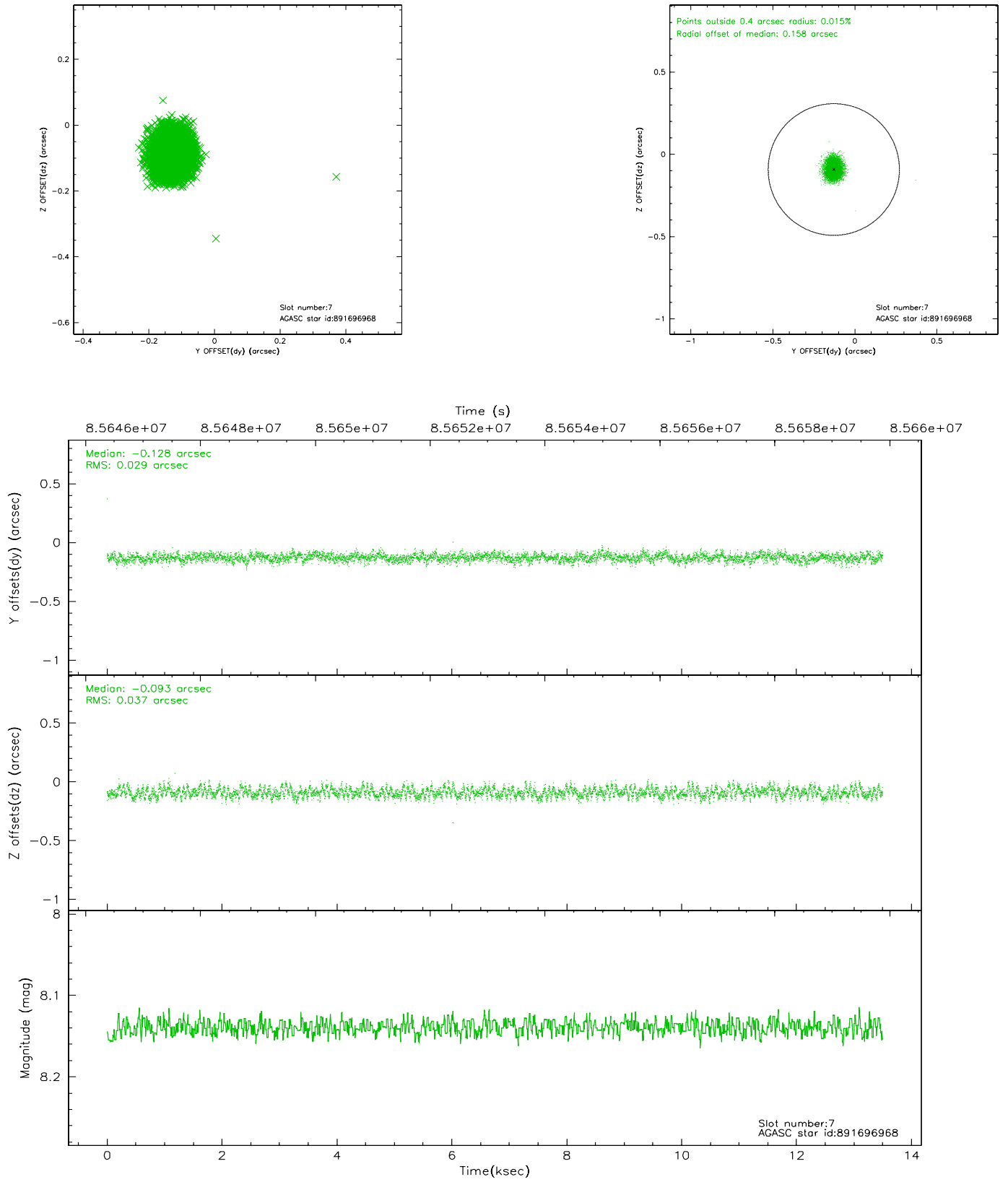
2.4.3 Slot 5



2.4.4 Slot 6

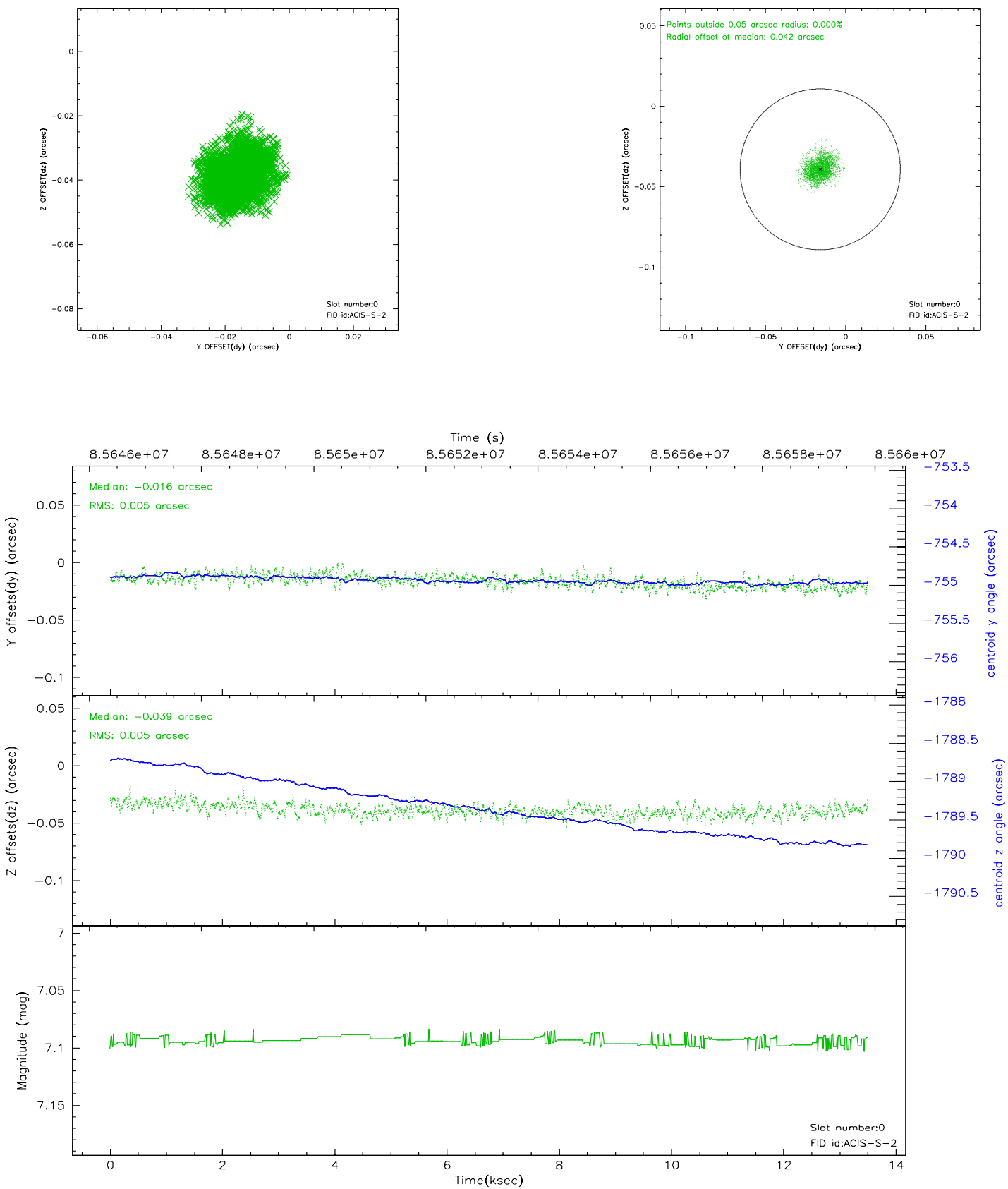


2.4.5 Slot 7

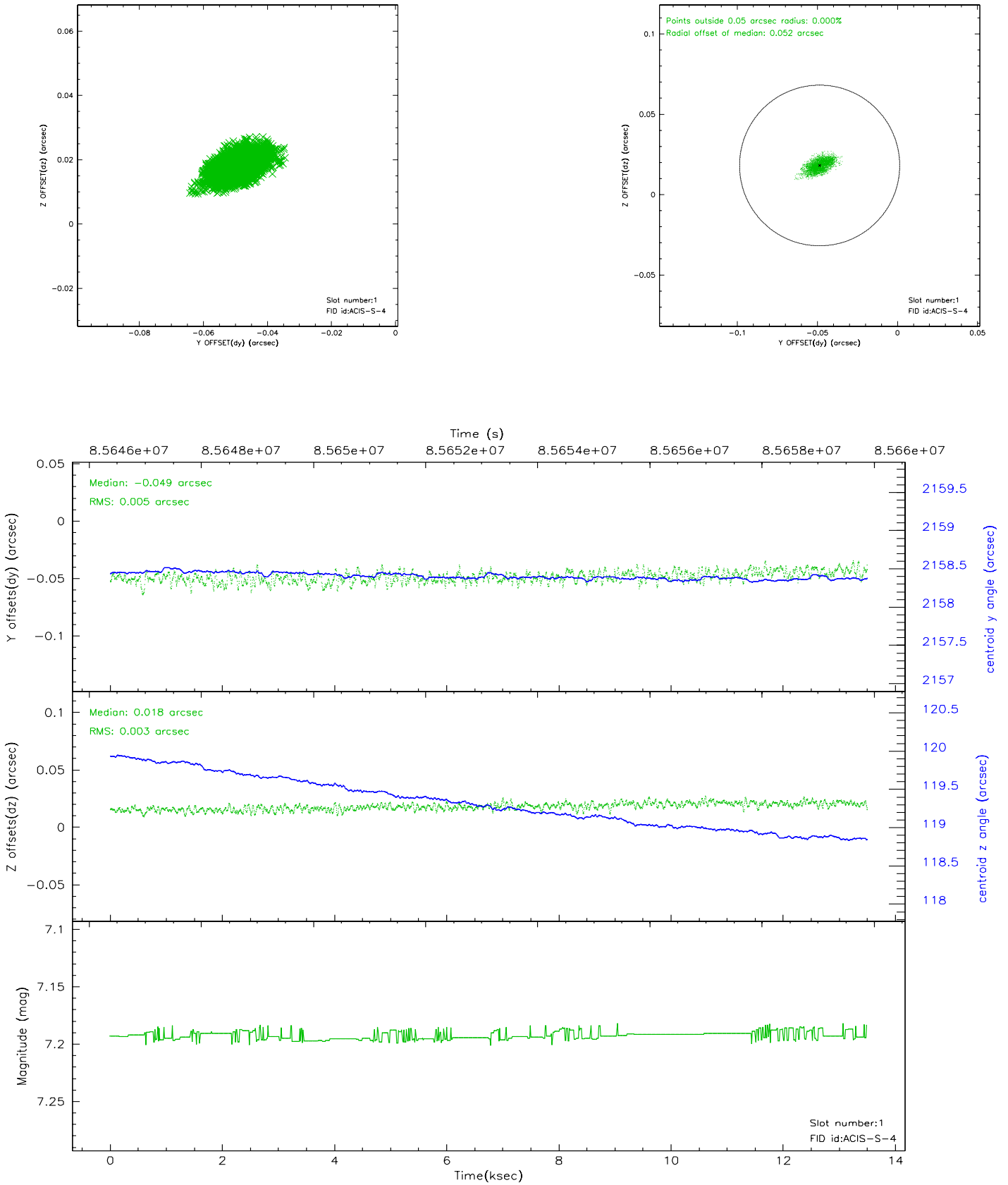


2.5 FID Slots

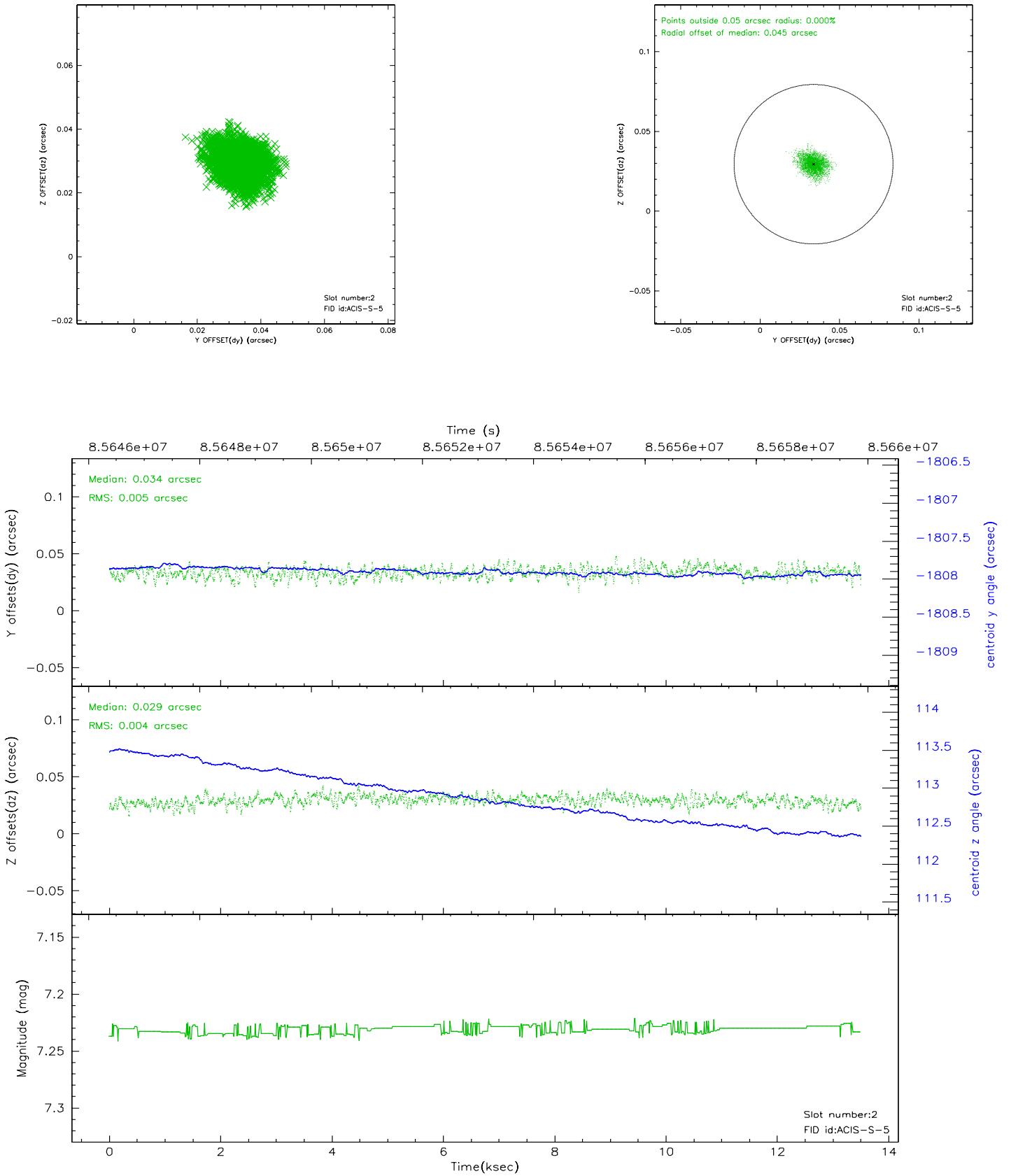
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

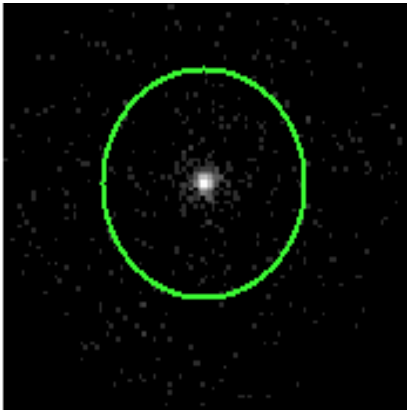


3 Gratings

3.1 HEG Arm



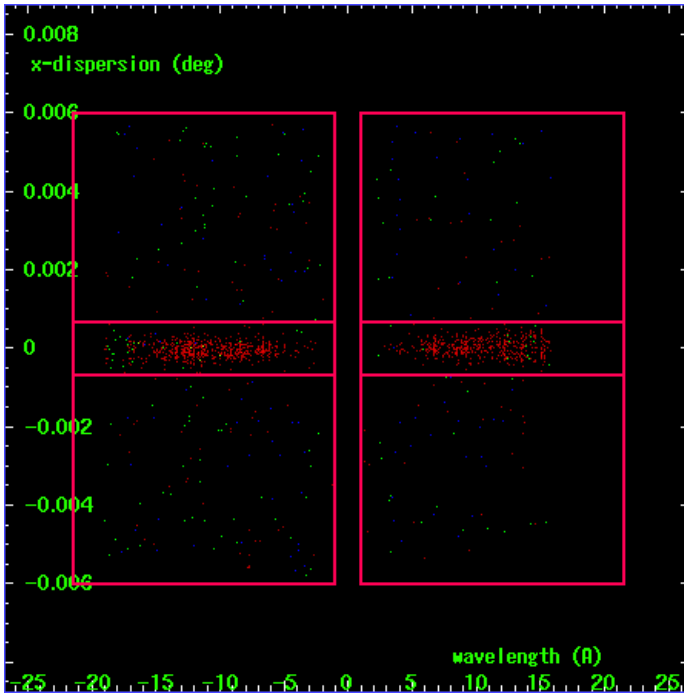
HEG Order Sort 123



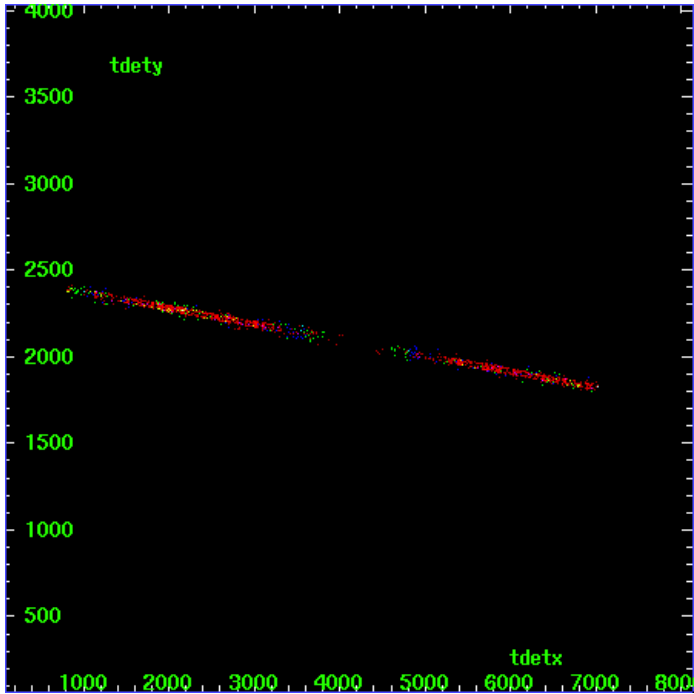
HEG Zero Order



HEG Order Sort ALL

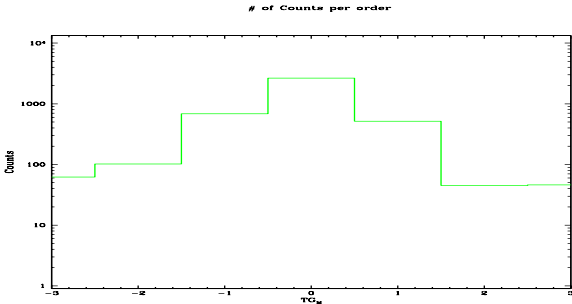


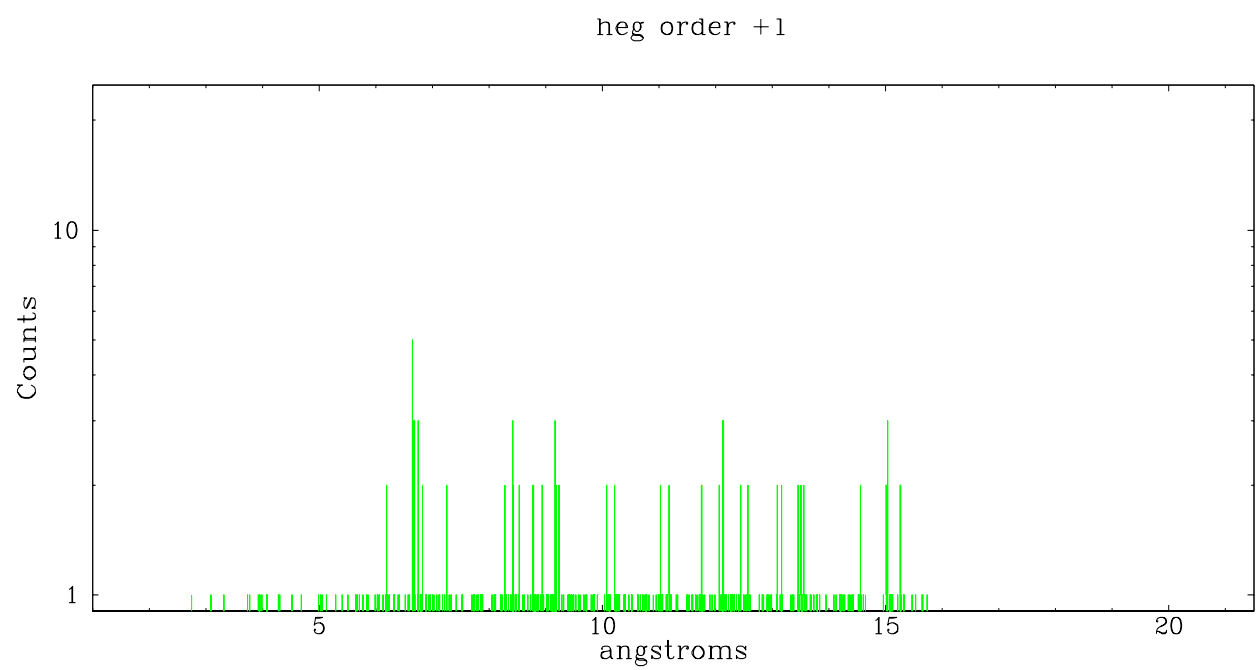
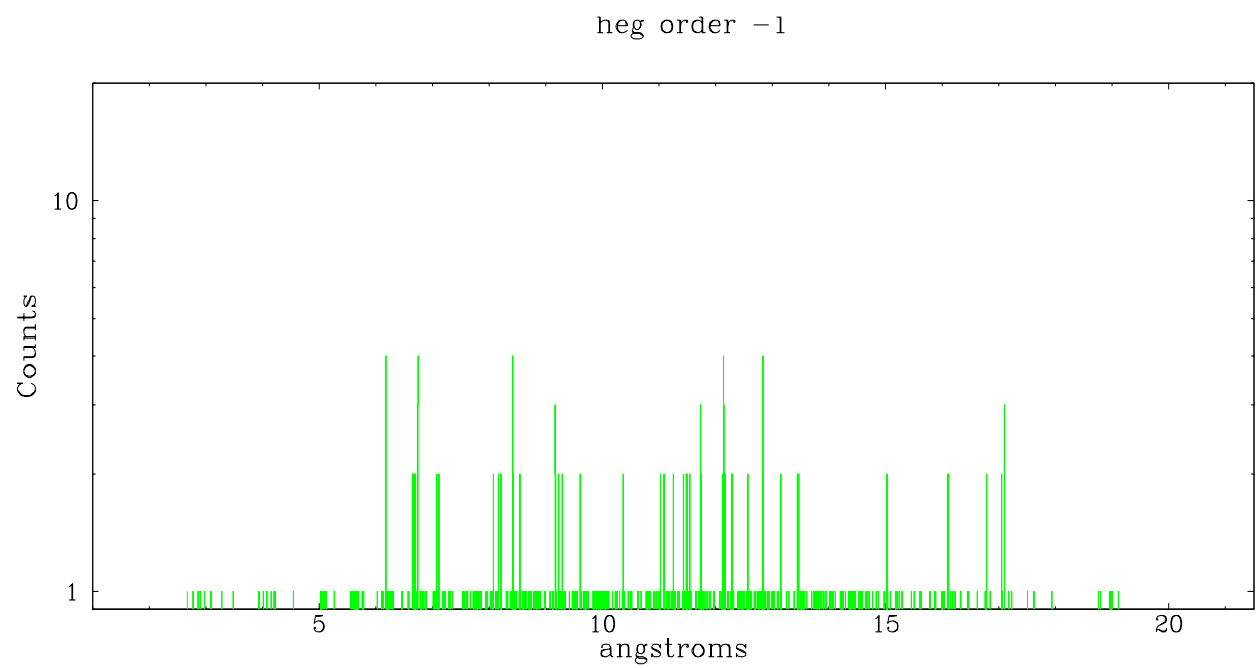
Spot Image HEG



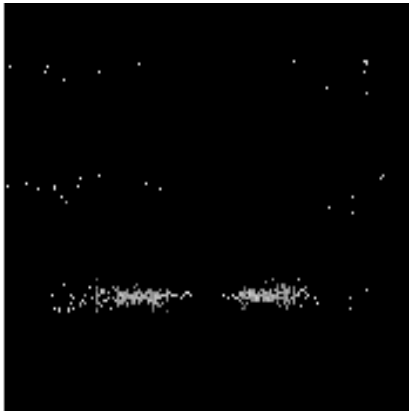
Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	62	102	683	2655	517	45	46

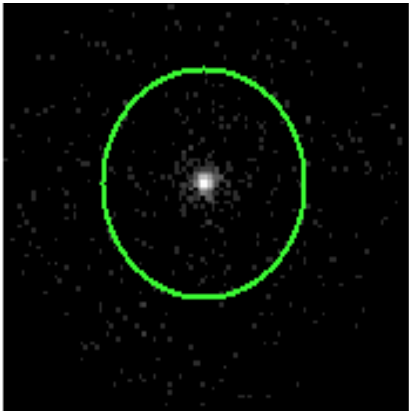




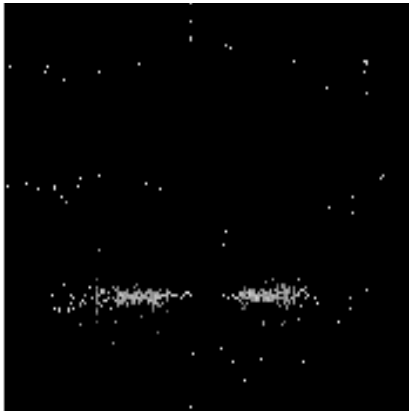
3.2 MEG Arm



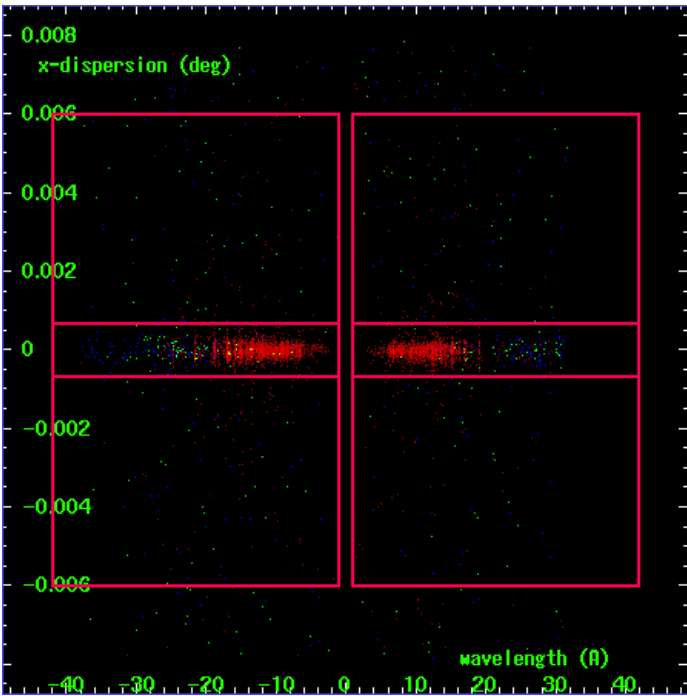
MEG Order Sort 123



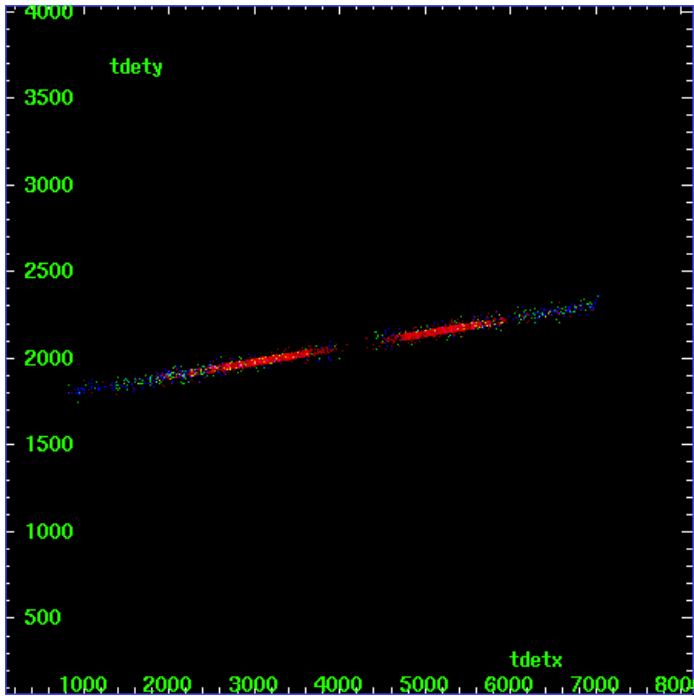
MEG Zero Order



MEG Order Sort ALL

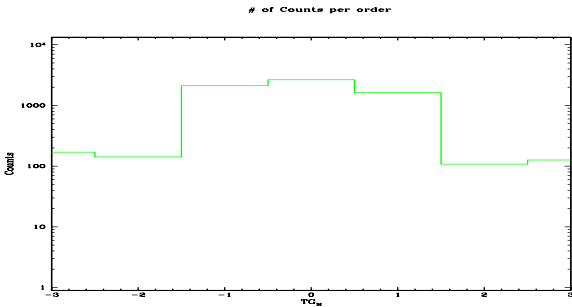


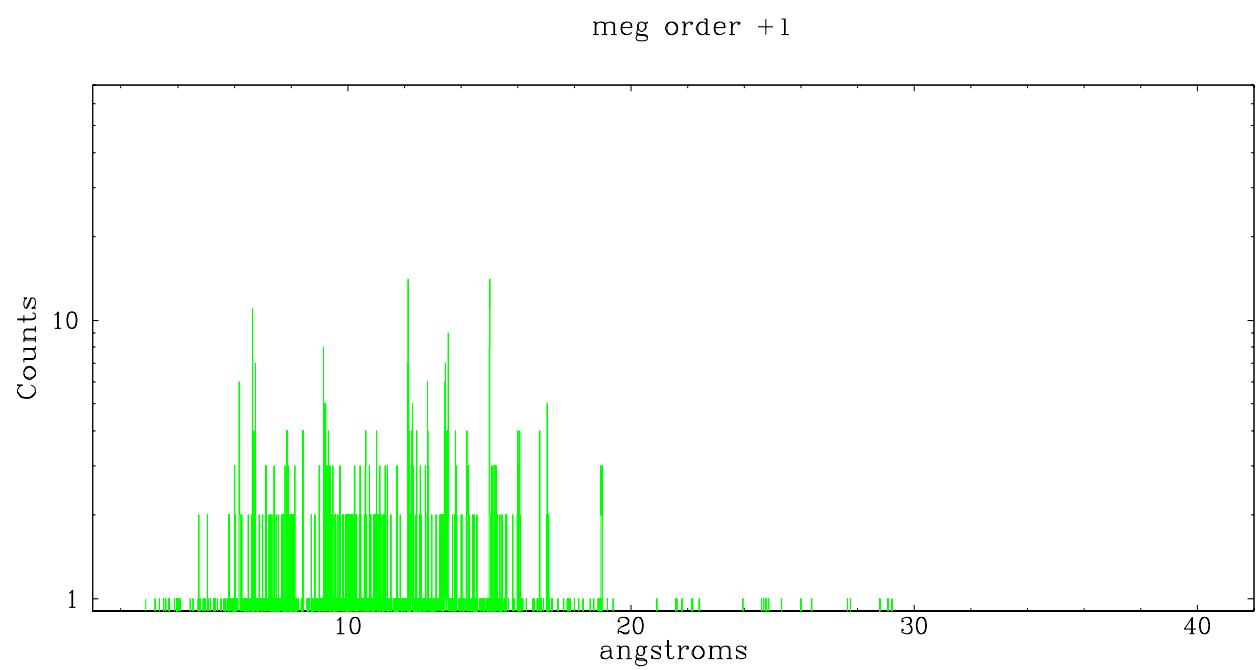
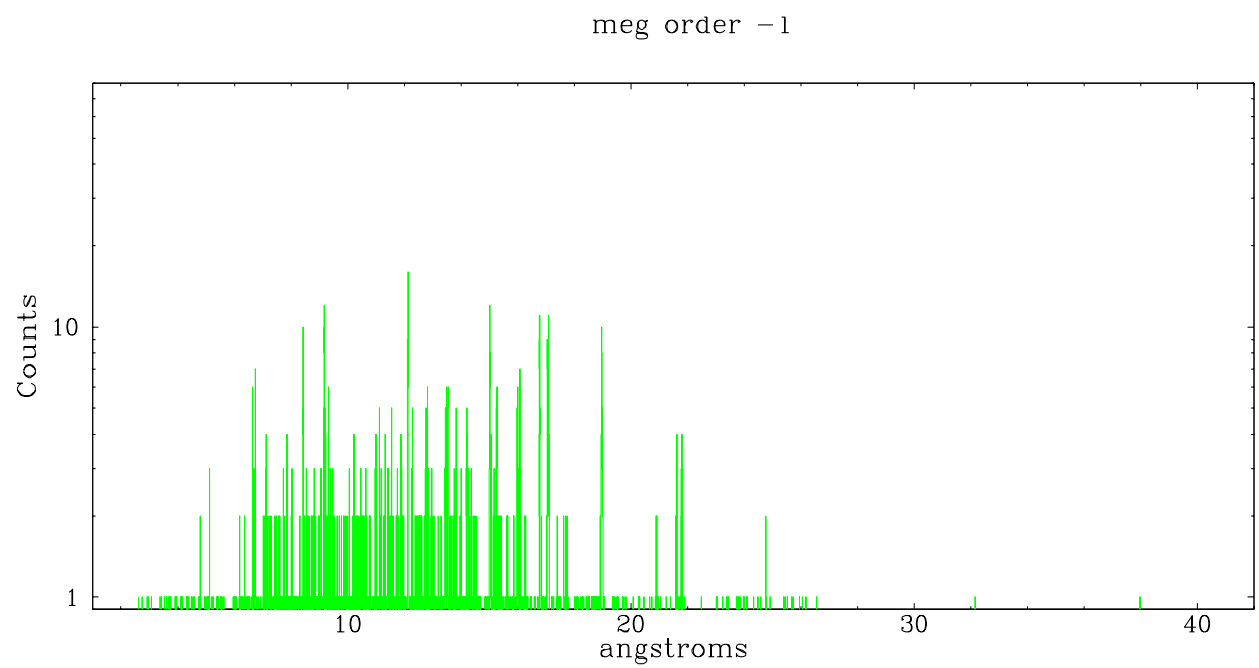
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	170	142	2112	2655	1628	108	126





A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.123

A.2 Comments