

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 599 - L2 Version 002
Chandra X-Ray Center

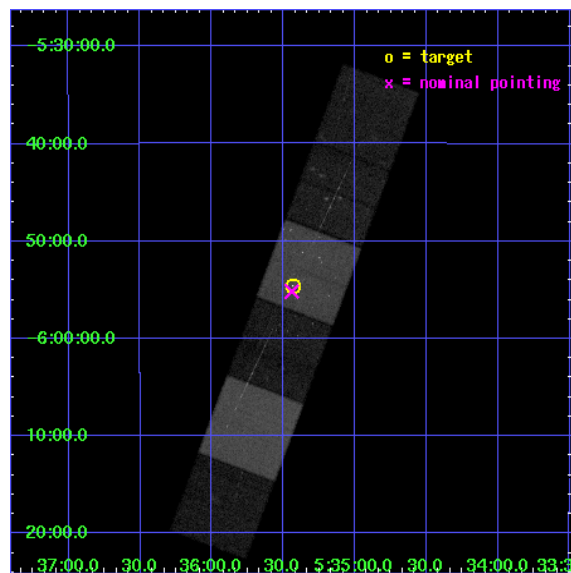
L2 Processing Date : Nov 6 2006

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1 Front

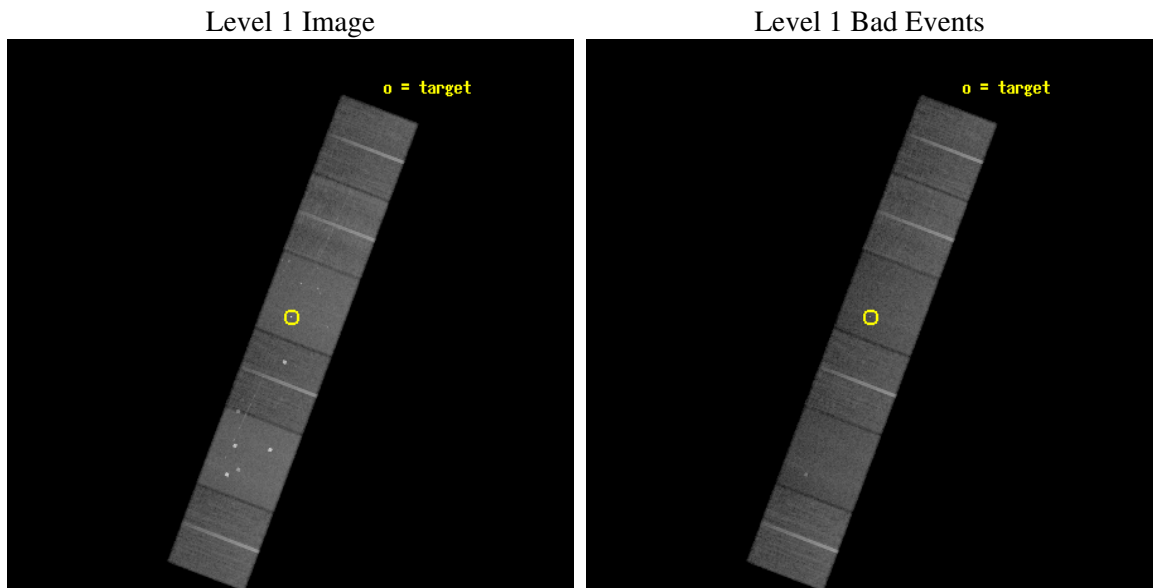
seq_num	200075
obs_id	599
title	COLLIDING STELLAR WINDS IN IOTA ORIONIS.
observer	Prof. Claude Canizares
object	IOTA ORIONIS
dtcycle	0
cycle	P
ra_targ	83.858333
dec_targ	-5.909722
ra_nom	83.860093259605
dec_nom	-5.9193714608948
roll_nom	290.6569130895
revision	3
ontime	37648.000035062
livetime	37171.278389714
ontime4	37638.27712442
ontime5	37648.000035062
ontime6	37648.000035062
ontime7	37648.000035062
ontime8	37644.759064808
ontime9	37644.759074822
l2events	355569



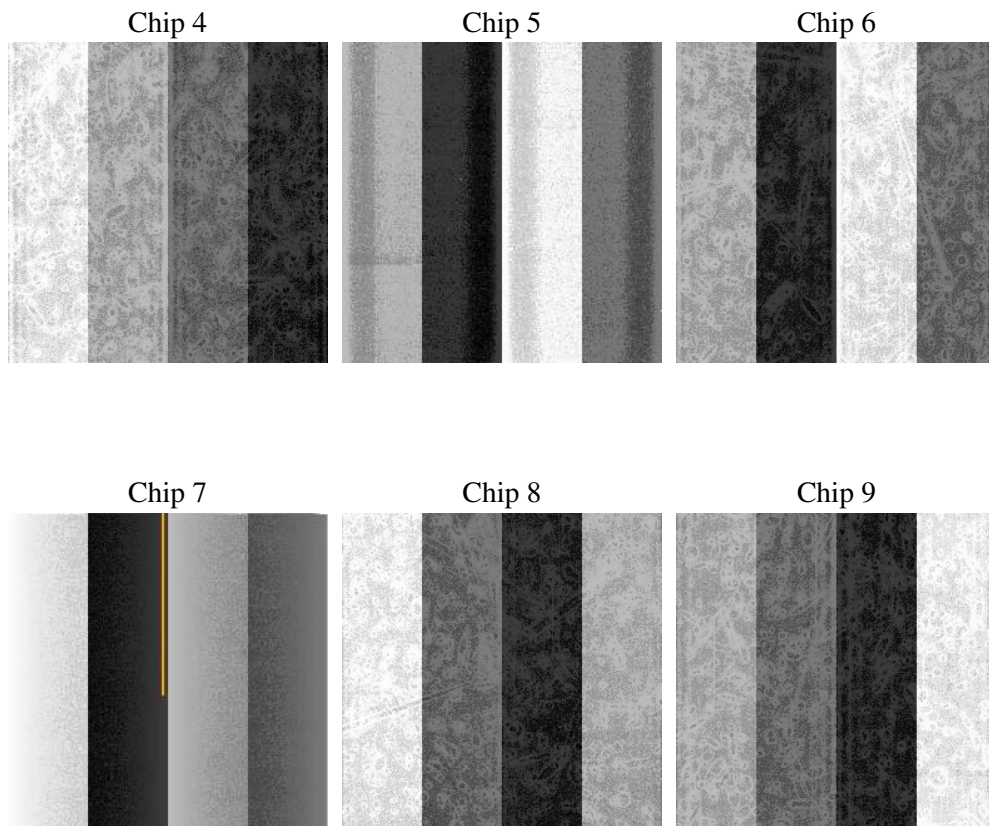
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-06T16:18:39
revision	3

sched_exp_time	37560.673000
ontime	37650.688120589
ontime4	37640.965209946
ontime5	37650.688120589
ontime6	37650.688120589
ontime7	37650.688120589
ontime8	37647.447150335
ontime9	37647.447160348
l1events	1671630

2.1.4 Events

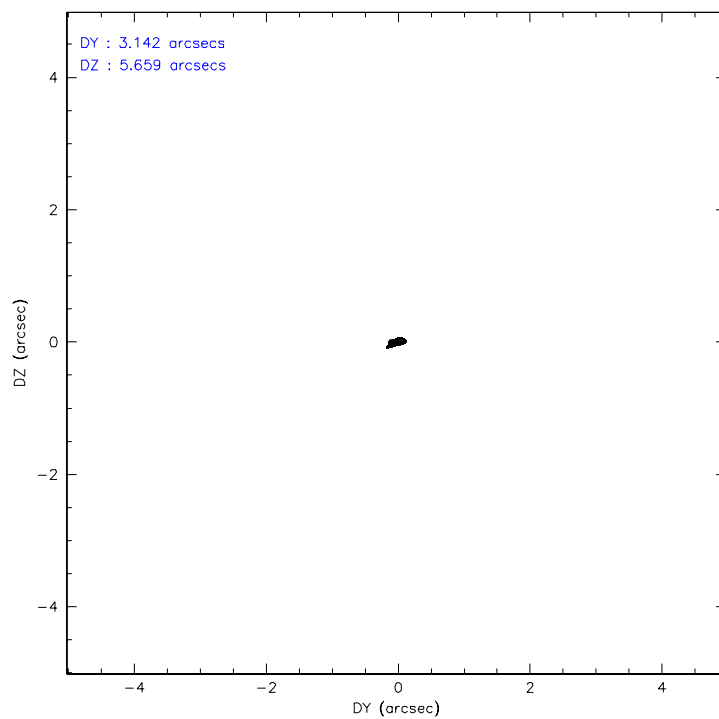
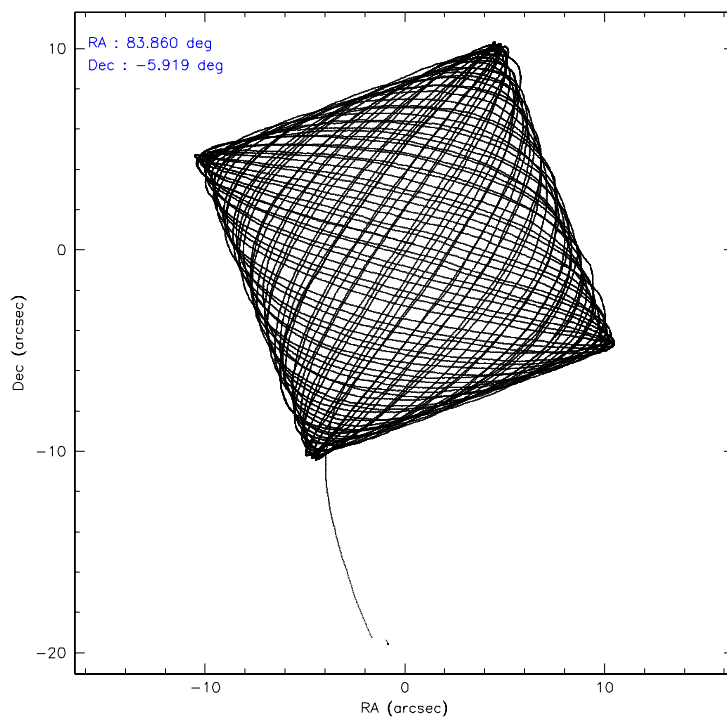
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	255193	344641	240101	303343	292861	235491
rejected events	226849	181333	206840	182942	232712	206042
rejected %	88%	52%	86%	60%	79%	87%

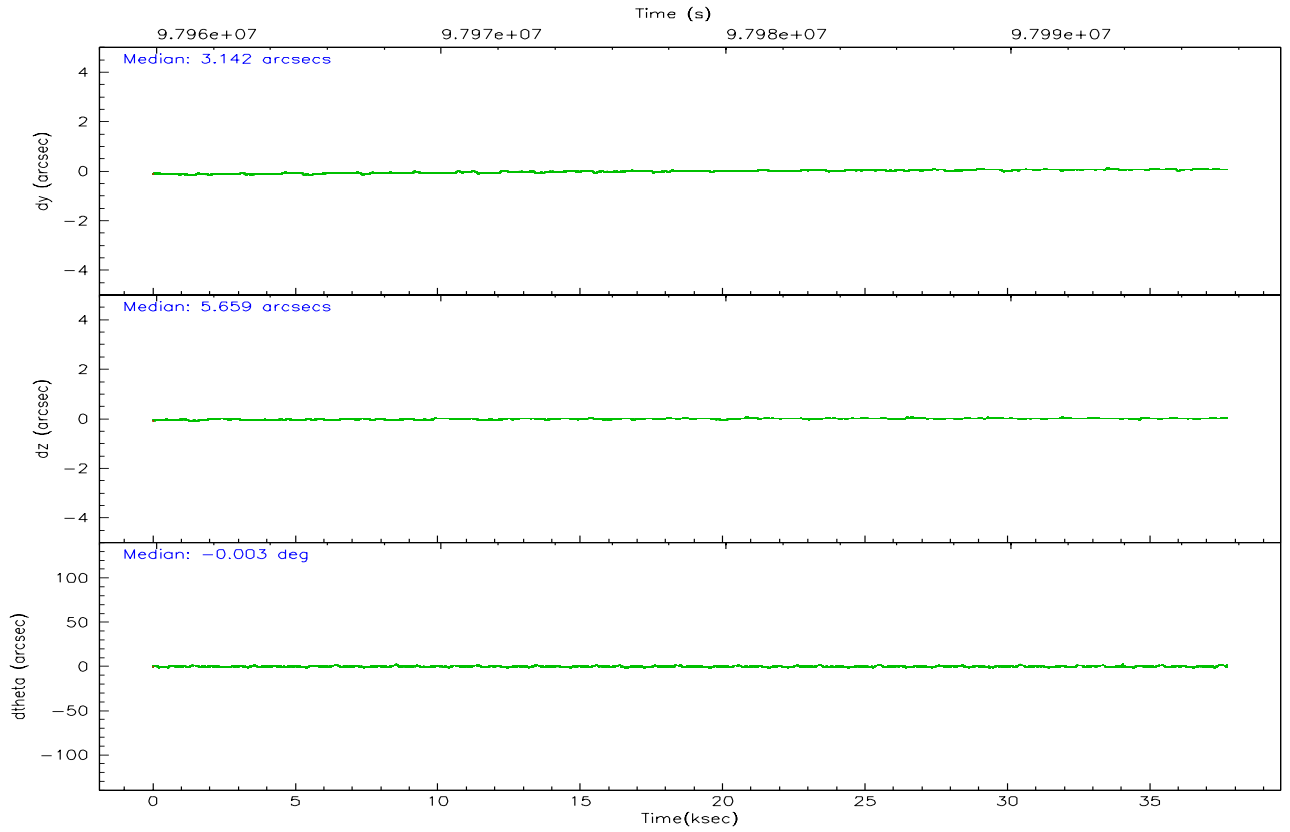
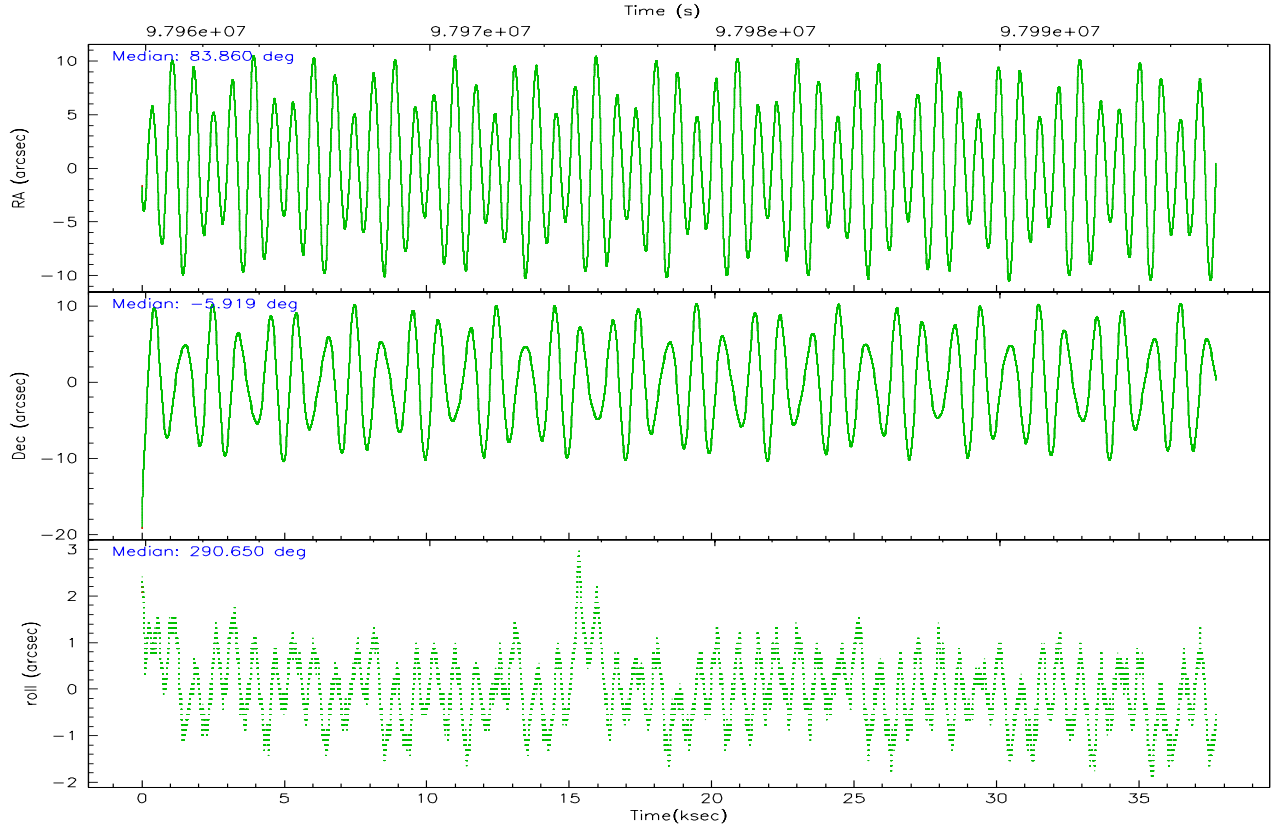
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	11876	31624	17088	9303	21411	13004
	4%	9%	7%	3%	7%	5%
grade 1 events	114	889	136	269	200	118
	0%	0%	0%	0%	0%	0%
grade 2 events	6616	43720	5456	29403	12476	5596
	2%	12%	2%	9%	4%	2%
grade 3 events	2619	3619	2690	7225	6009	2823
	1%	1%	1%	2%	2%	1%
grade 4 events	2460	3488	2668	6842	5650	2621
	0%	1%	1%	2%	1%	1%
grade 5 events	8207	16072	9929	20666	12838	9959
	3%	4%	4%	6%	4%	4%
grade 6 events	4784	80878	5362	67640	14604	5405
	1%	23%	2%	22%	4%	2%
grade 7 events	218517	164351	196772	161995	219673	195965
	85%	47%	81%	53%	75%	83%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.838712	83.86009325960475	Subarray requested	NONE	NONE
Pointing Dec	-5.902252	-5.9193714608948	Alternating exposures requested	N	N
Pointing Roll	290.498081	290.6569130894981	Primary exposure time	0.000000	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	97960039.184000	97958996.126735			
Observation start date	2001-02-07T19:06:15	2001-02-07T18:49:56			
Observation end time	97997600.184000	97997914.35323501			
Observation end date	2001-02-08T05:32:16	2001-02-08T05:38:34			
Read mode	TIMED	TIMED			

2.3 Aspect



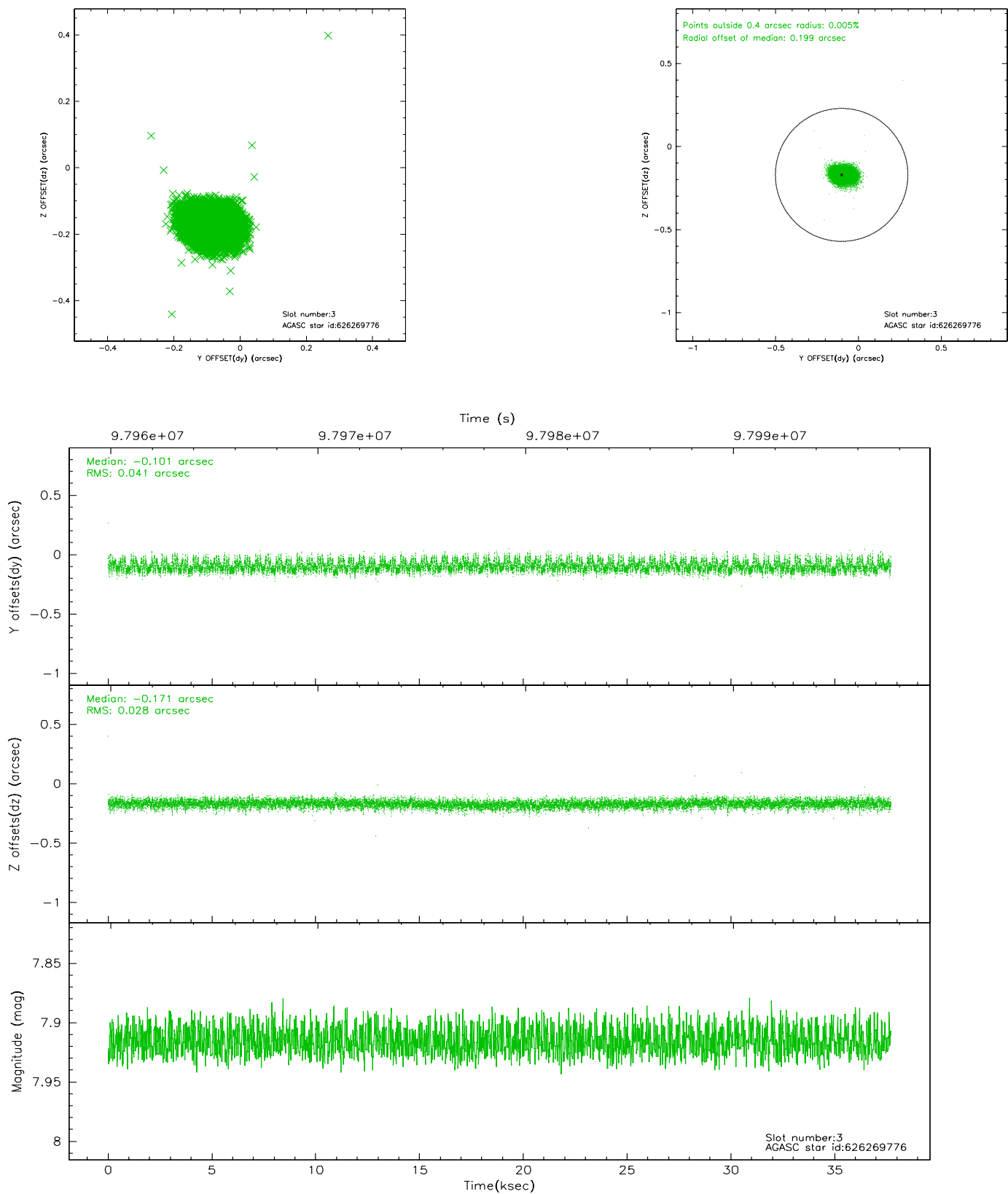


Slot Statistics

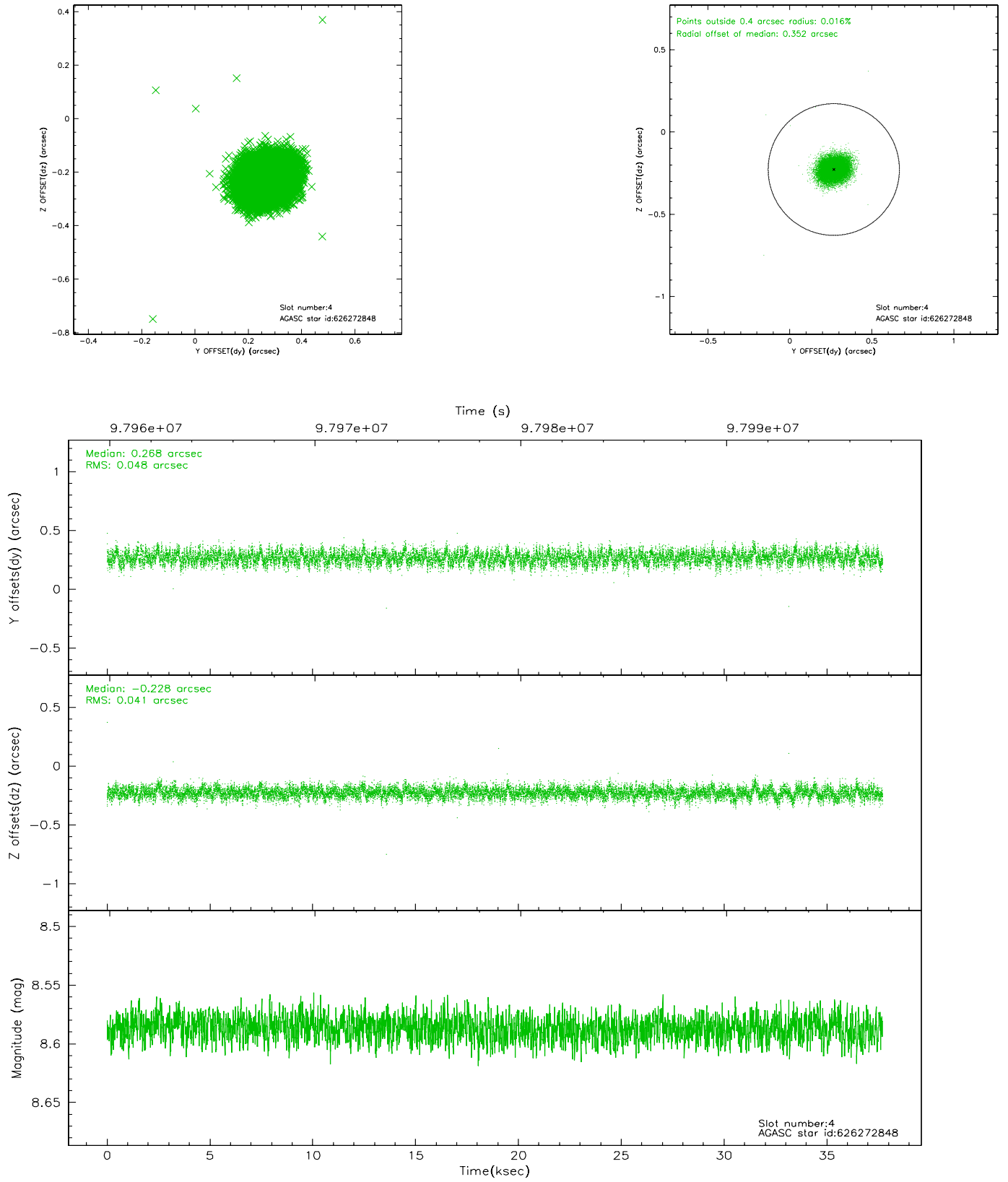
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9200	0.000	-0.026	0.011	0.020	0.000000	0.000000	-755.60	-1788.94
1	FID	ACIS-S-4	7.19	9199	-0.058	0.007	0.007	0.012	0.000000	0.000000	2157.64	119.50
2	FID	ACIS-S-5	7.23	9197	0.027	0.028	0.012	0.019	0.000000	0.000000	-1808.35	113.28
3	GUIDE	626269776	7.92	18387	-0.101	-0.171	0.052	0.086	83.358607	-6.532867	1526.93	-2403.82
4	GUIDE	626272848	8.59	18390	0.268	-0.228	0.067	0.108	84.129003	-6.453841	2225.02	277.07
5	GUIDE	626272880	7.66	18393	0.190	-0.044	0.071	0.109	83.815609	-6.032748	412.22	-242.05
6	GUIDE	625744200	8.29	18399	-0.040	0.140	0.055	0.089	83.695760	-5.570729	-1296.42	-61.97
7	GUIDE	626398088	8.99	18393	-0.322	0.304	0.076	0.121	84.581490	-6.133042	1711.15	2199.26

2.4 Star Slots

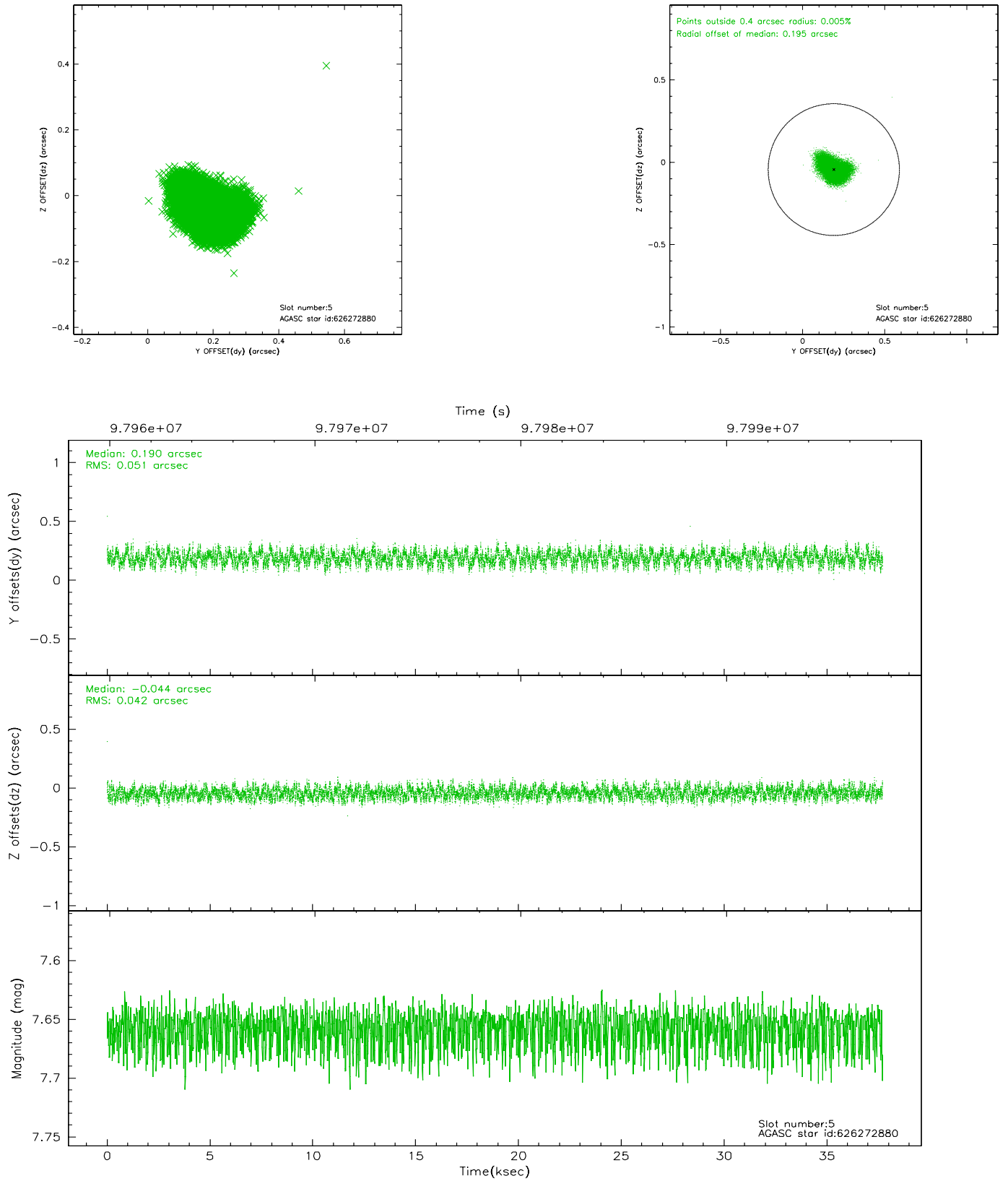
2.4.1 Slot 3



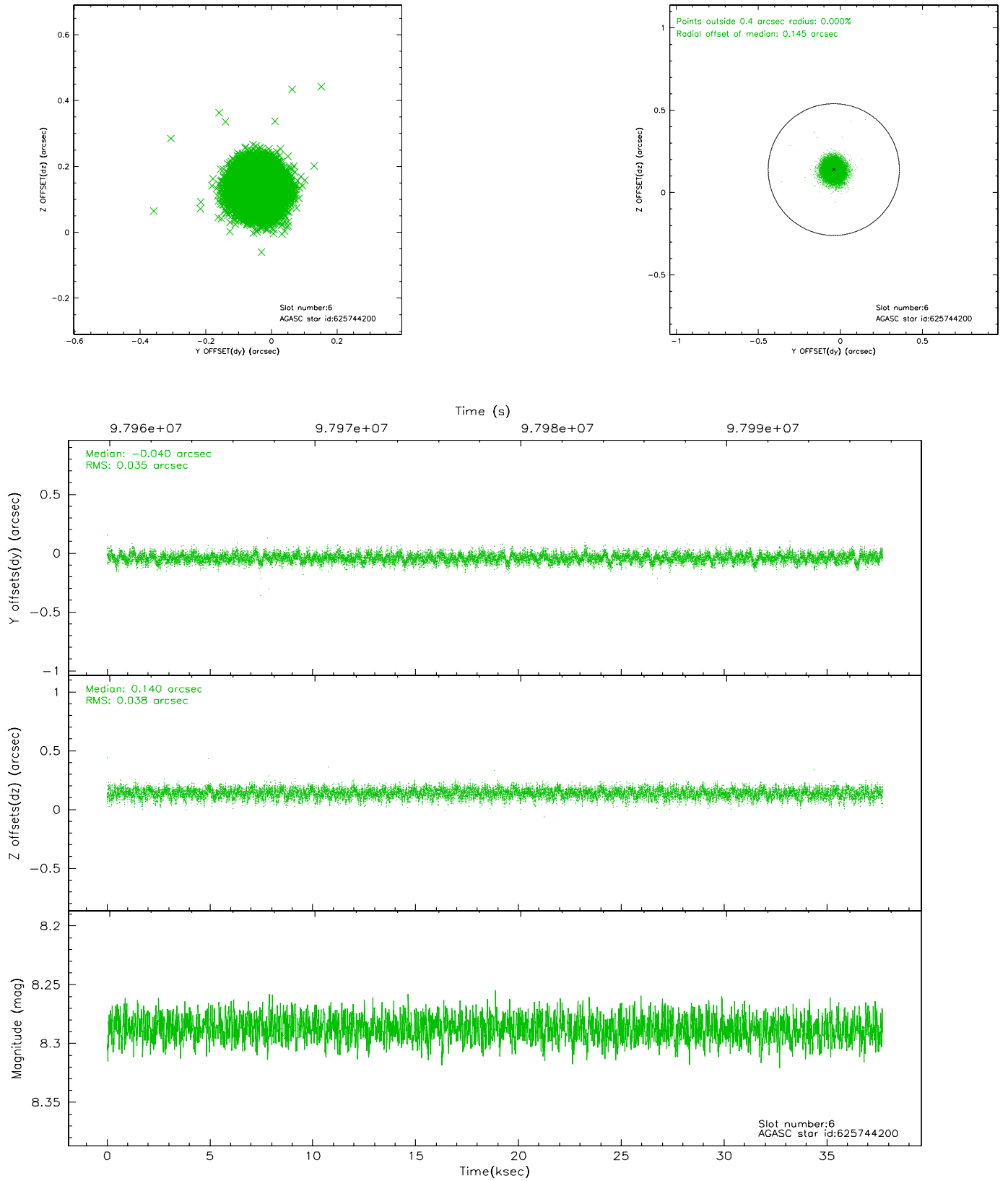
2.4.2 Slot 4



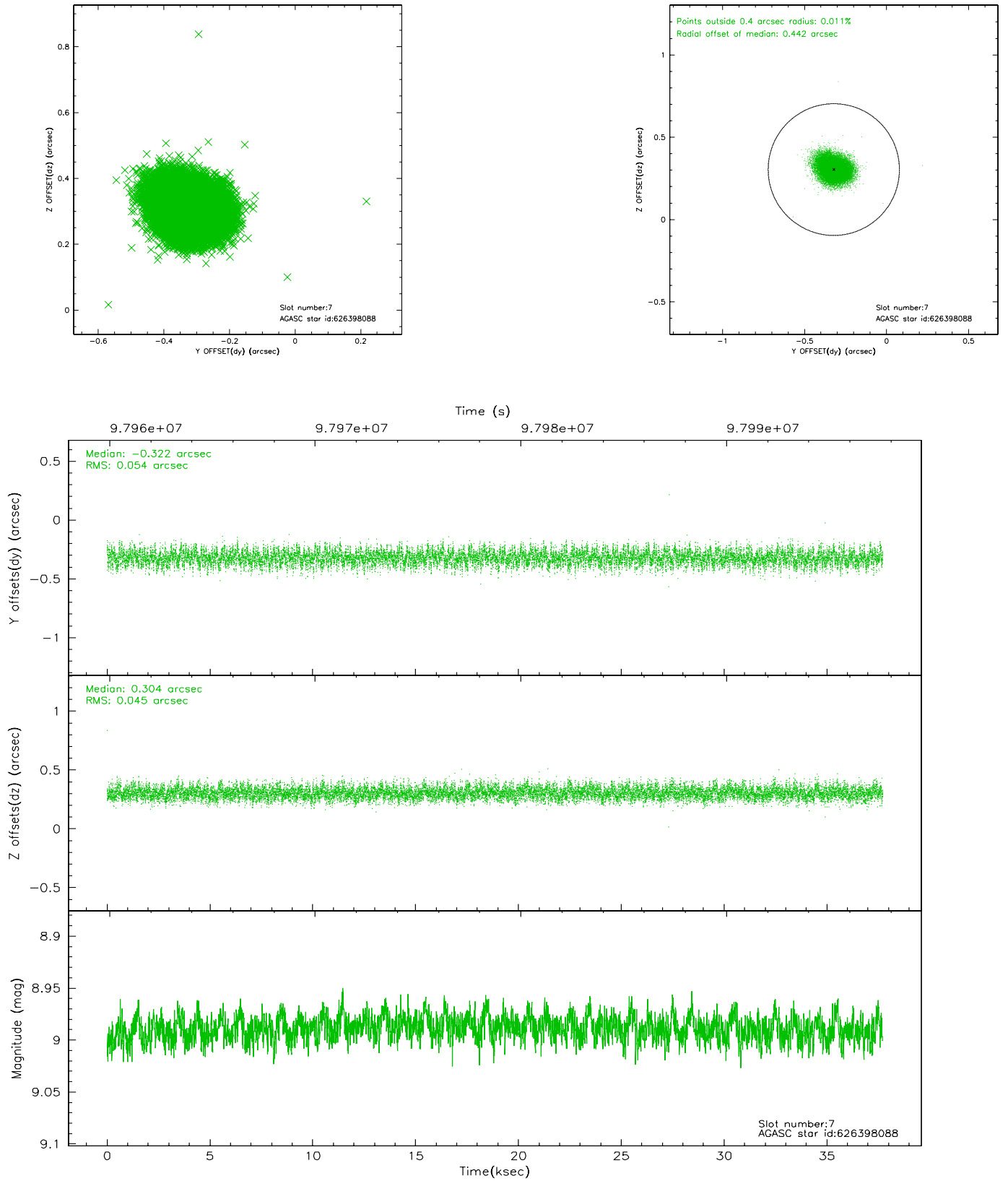
2.4.3 Slot 5



2.4.4 Slot 6

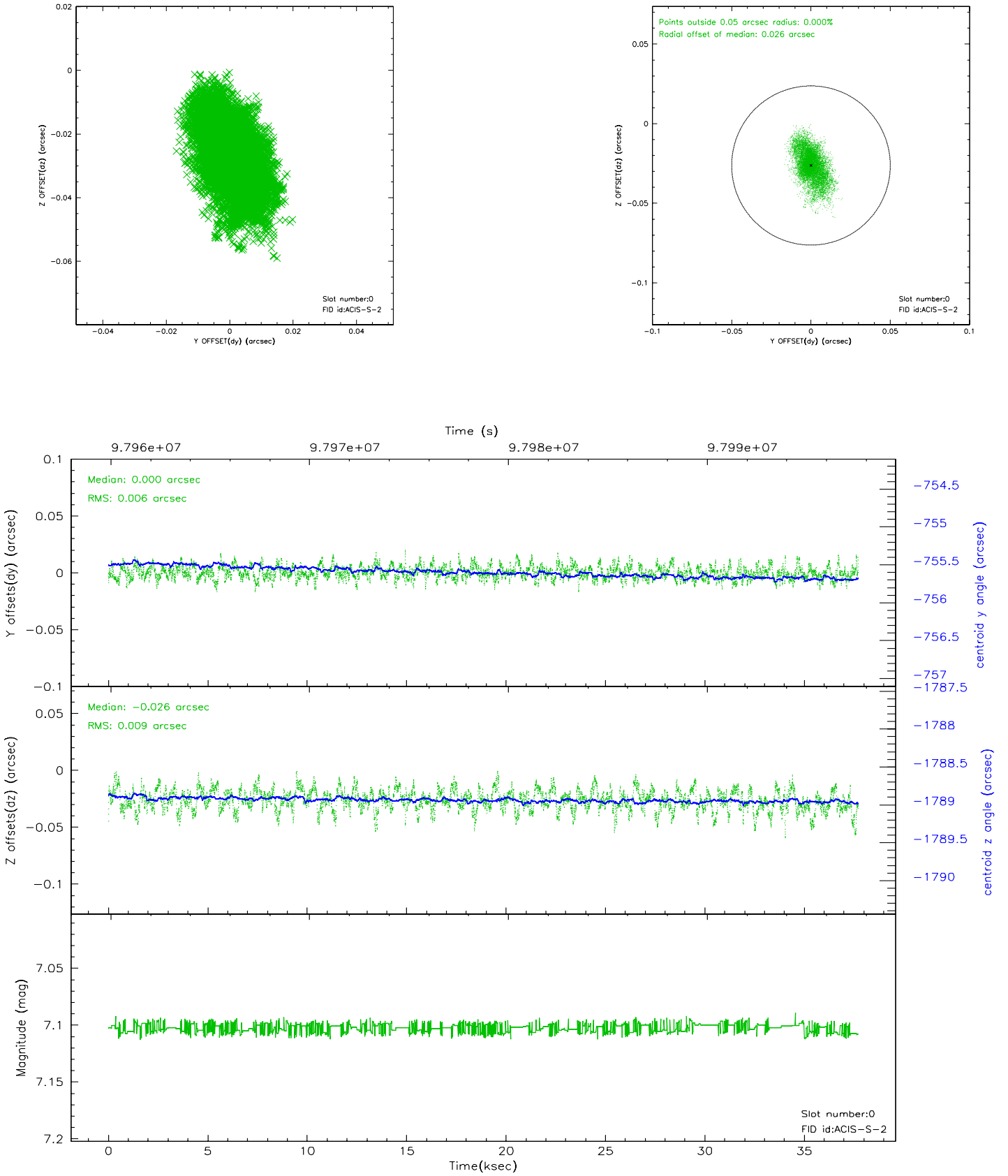


2.4.5 Slot 7

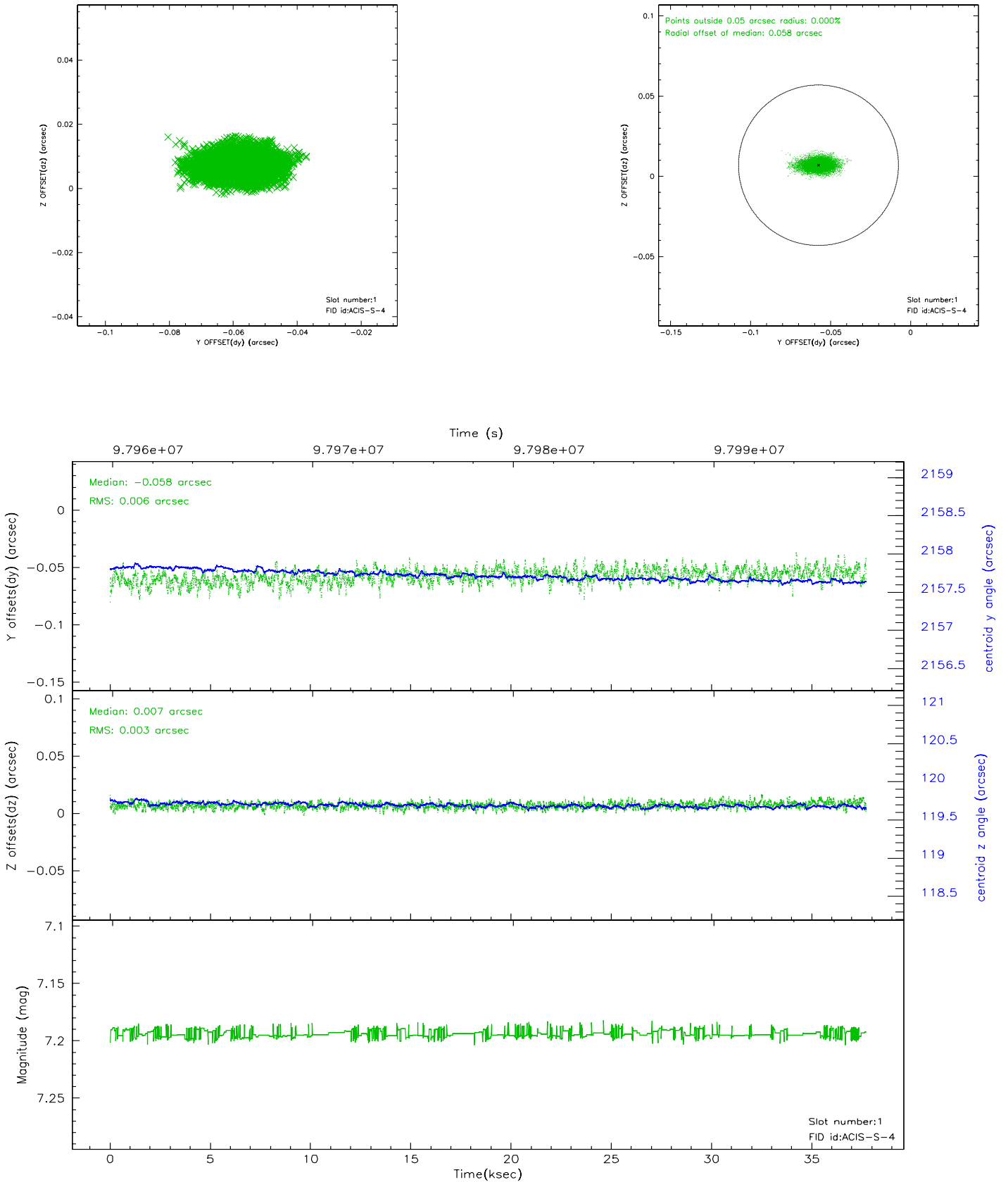


2.5 FID Slots

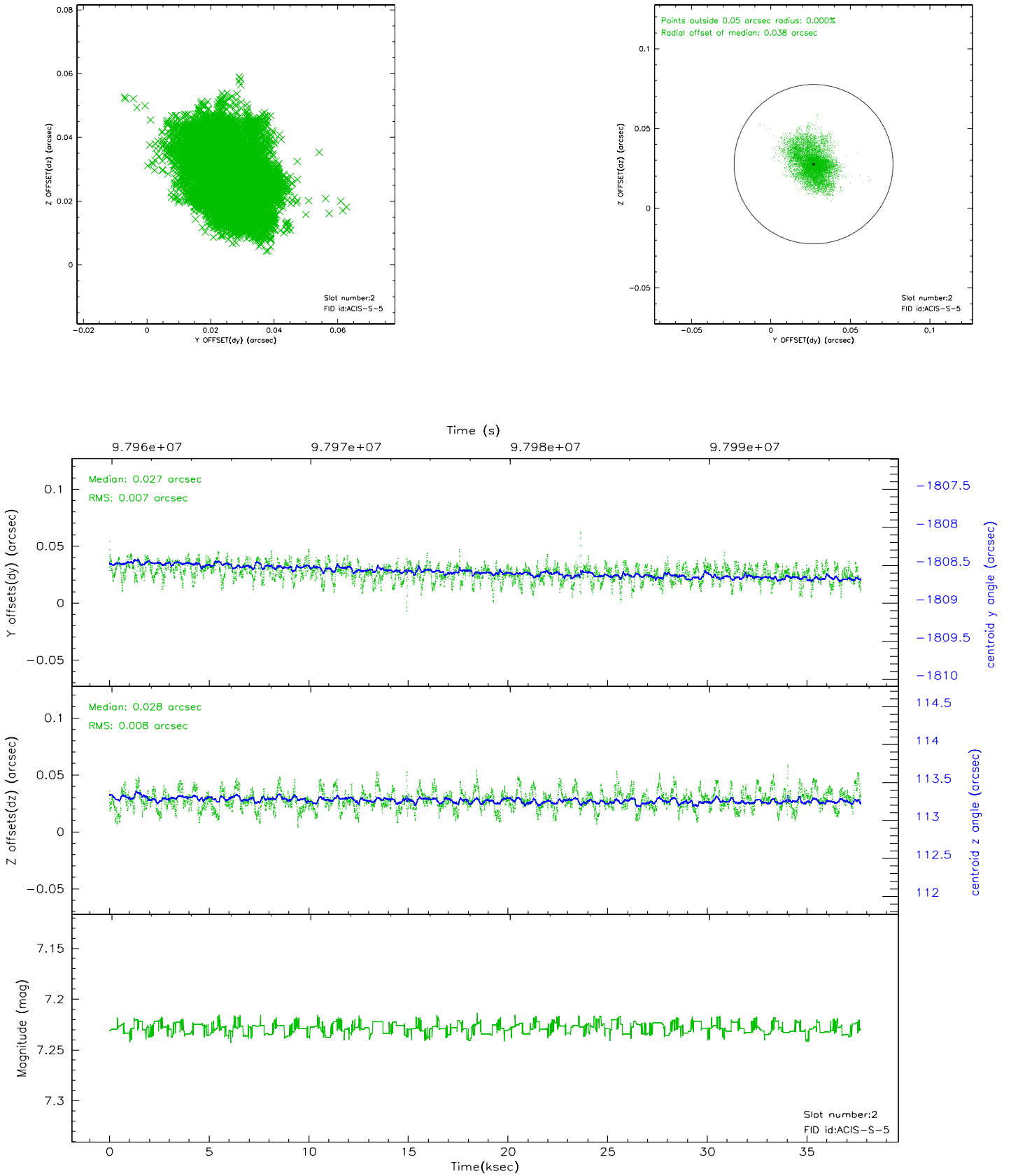
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Gratings

3.1 HEG Arm



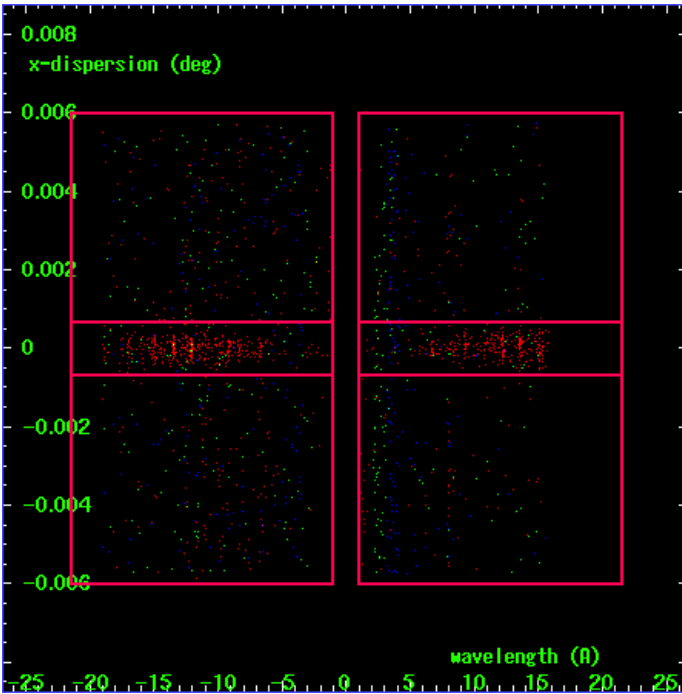
HEG Order Sort 123



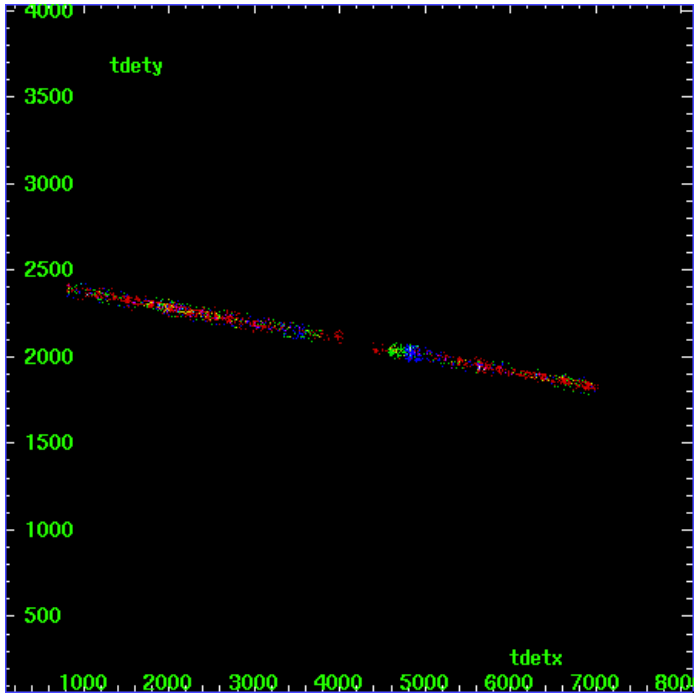
HEG Zero Order



HEG Order Sort ALL

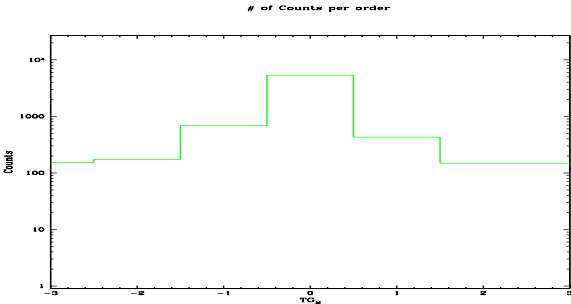


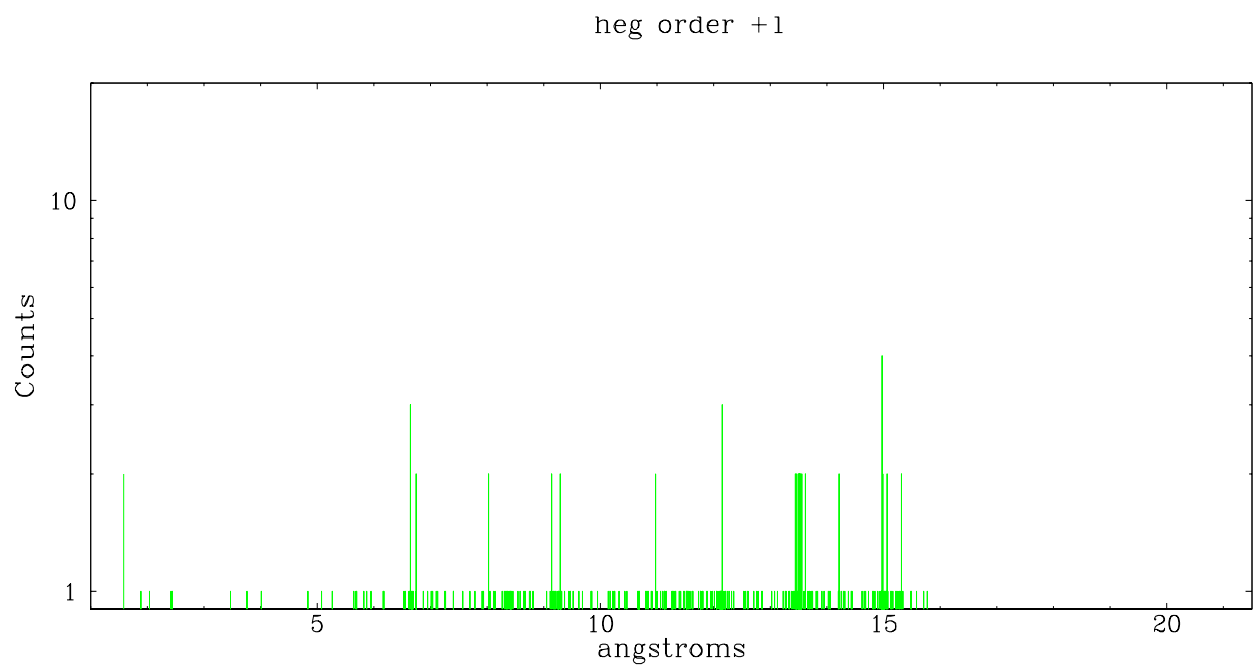
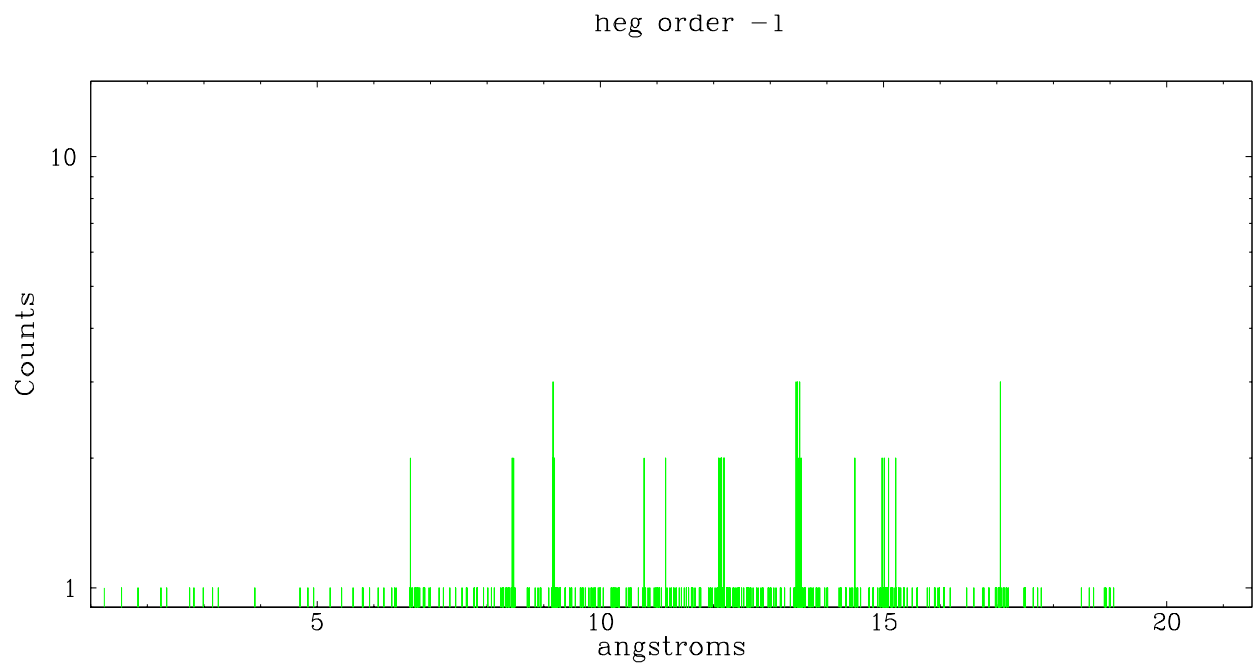
Spot Image HEG



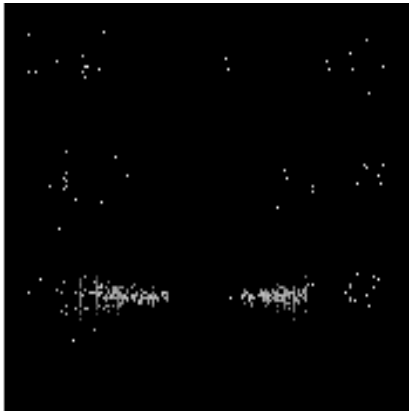
Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	152	174	689	5345	429	148	148





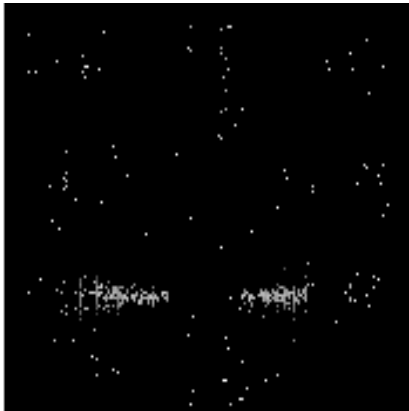
3.2 MEG Arm



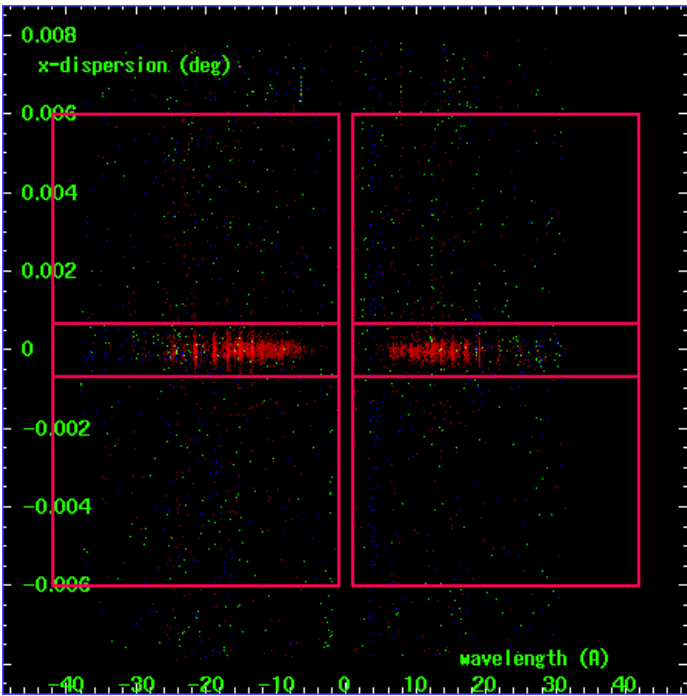
MEG Order Sort 123



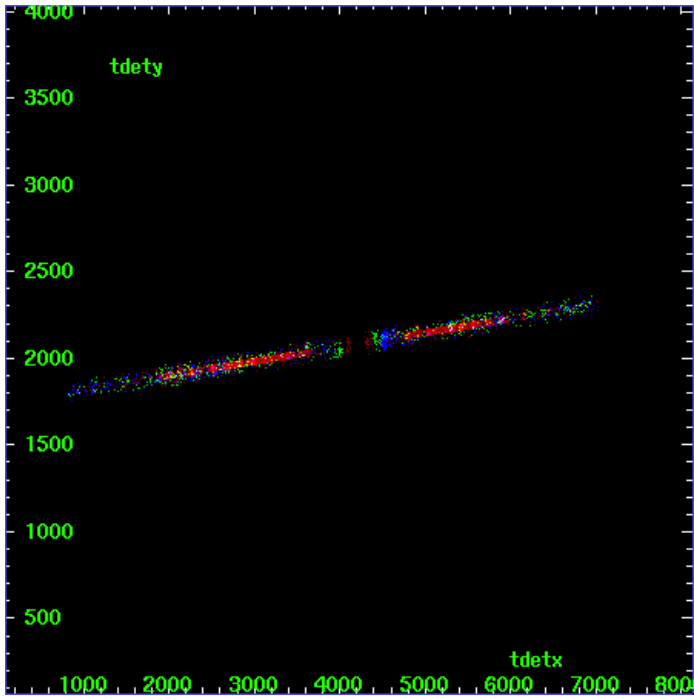
MEG Zero Order



MEG Order Sort ALL

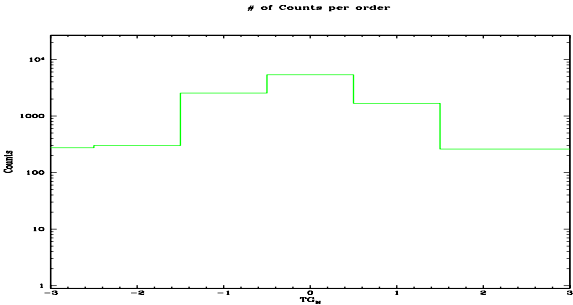


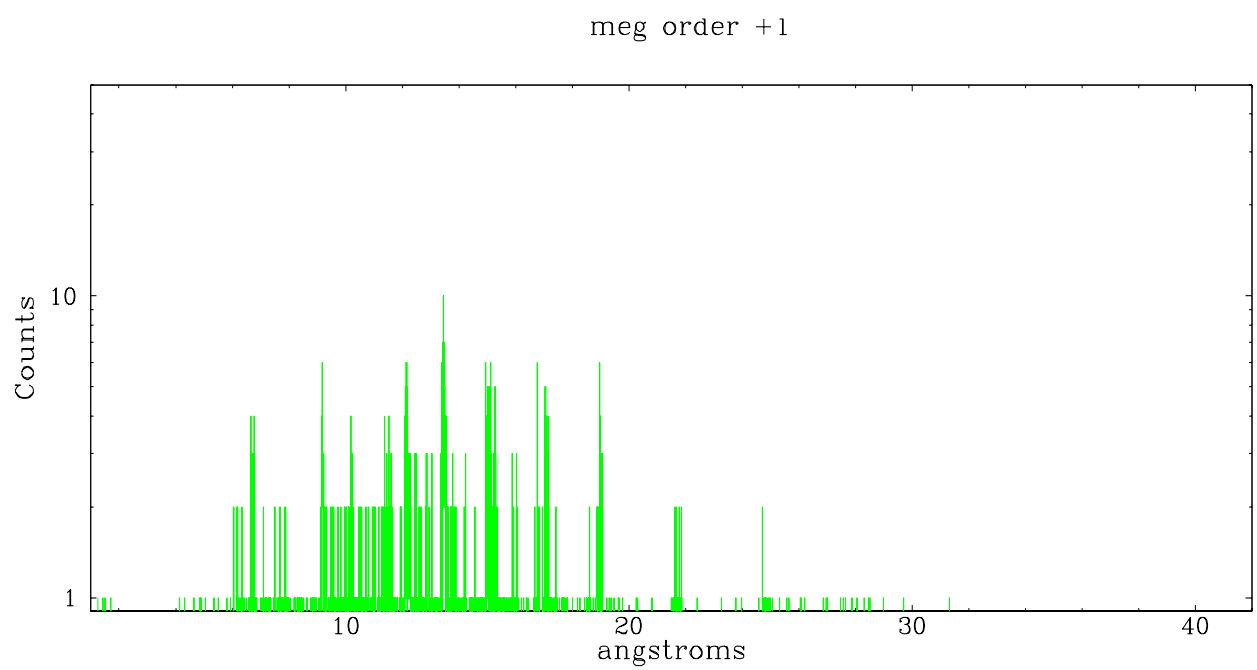
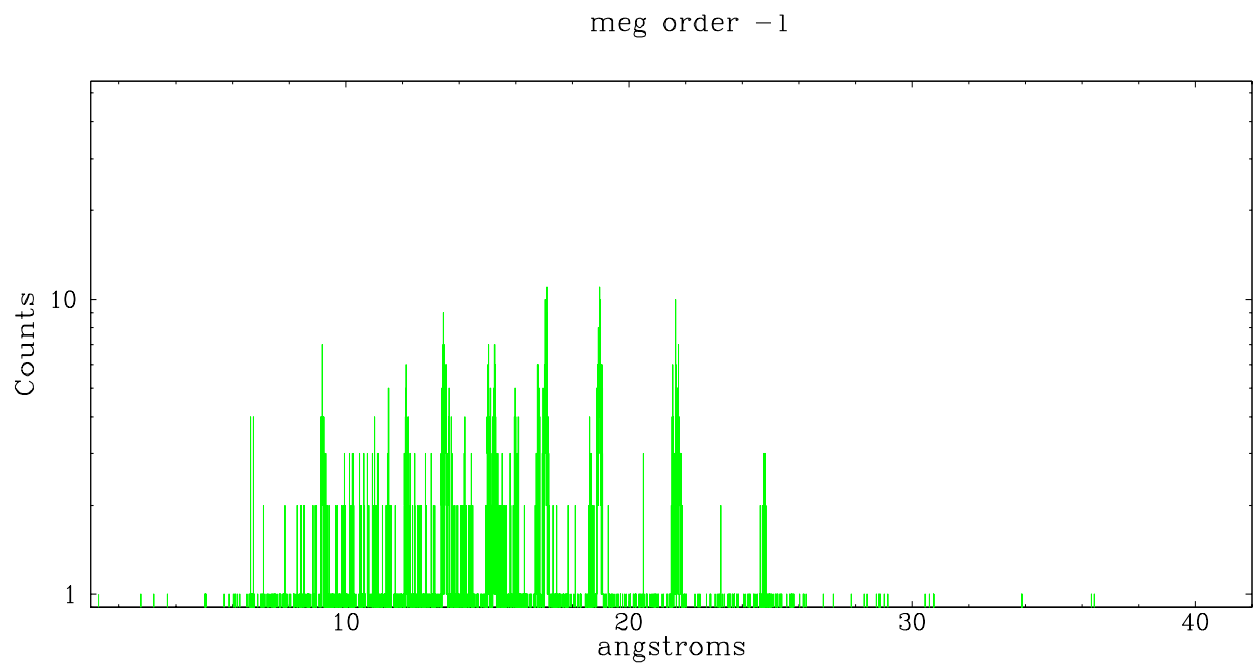
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	274	300	2553	5345	1676	260	261





A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.644

A.2 Comments

The field is crowded and some sources may fall within the spectral extraction region of the primary target.