

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3756 - L2 Version 001
Chandra X-Ray Center

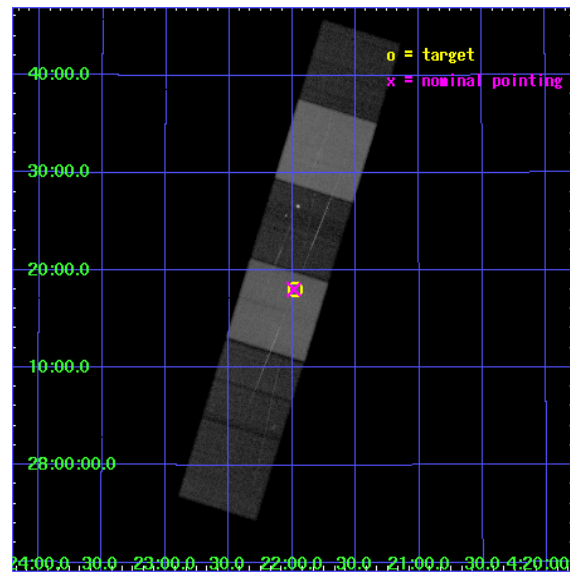
L2 Processing Date : Jun 29 2006

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1 Front

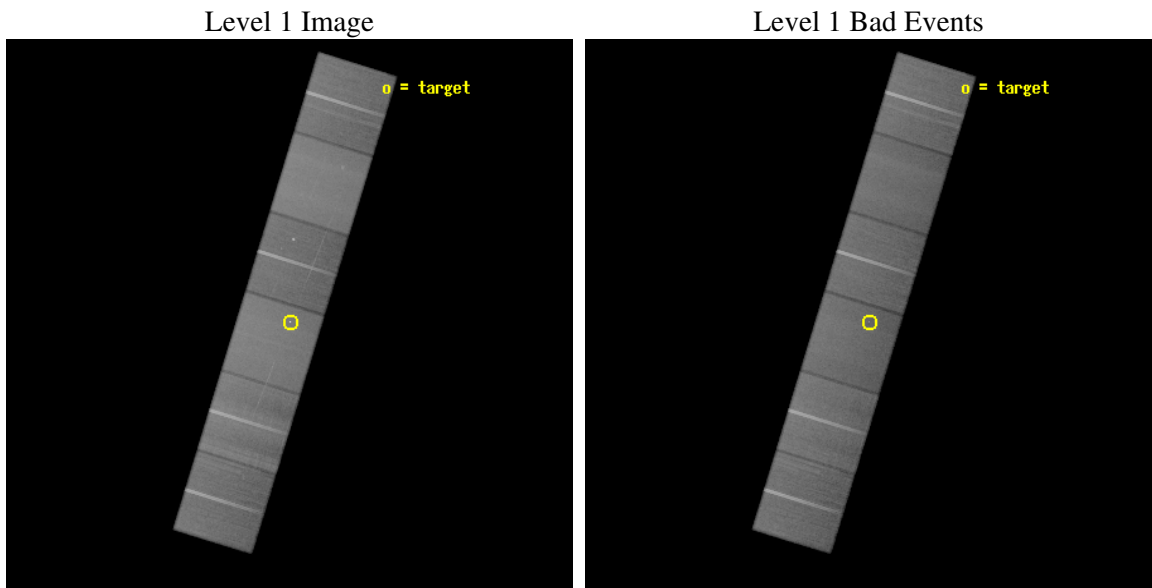
seq_num	200226
obs_id	3756
title	PROBING WEAK-LINED T TAURI STARS WITH CHANDRA
observer	PROF. STEVEN KAHN
object	V987 TAU = HDE 283572
dtcycle	0
cycle	P
ra_targ	65.495
dec_targ	28.301778
ra_nom	65.4973007144
dec_nom	28.300841121039
roll_nom	107.11761332608
revision	2
ontime	101747.19962096
livetime	100458.81531455
ontime4	101747.19962096
ontime5	101747.19962096
ontime6	101747.19962096
ontime7	101747.19962096
ontime8	101743.95863068
ontime9	101740.71764043
l2events	1016935



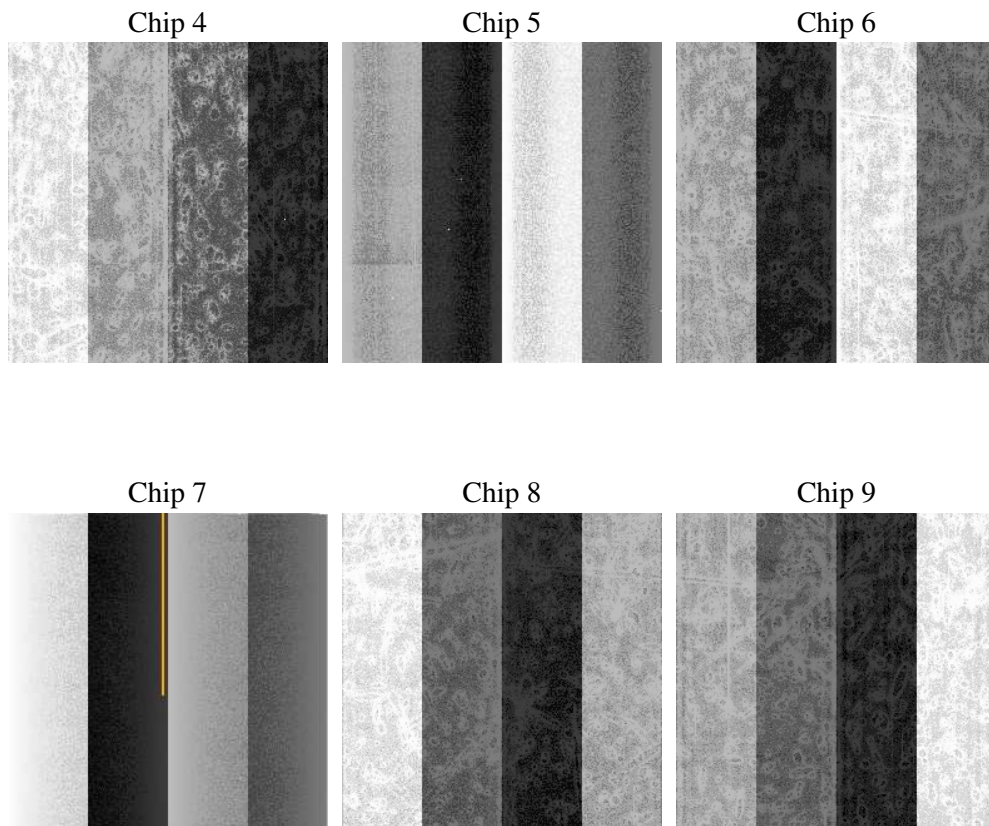
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-29T15:36:41
revision	2

sched_exp_time	101789.000000
ontime	101751.51956591
ontime4	101751.51956591
ontime5	101751.51956591
ontime6	101751.51956591
ontime7	101751.51956591
ontime8	101748.27857563
ontime9	101745.03758538
l1events	4763060

2.1.4 Events

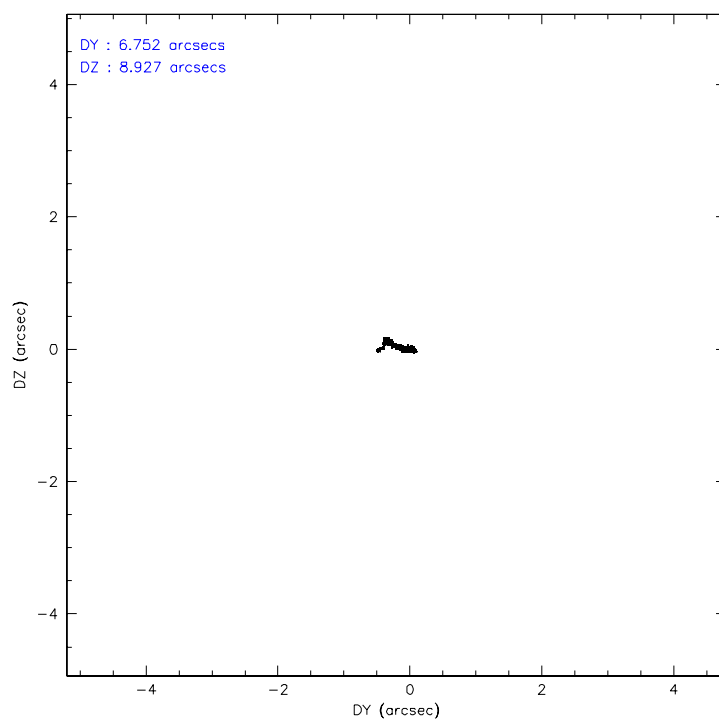
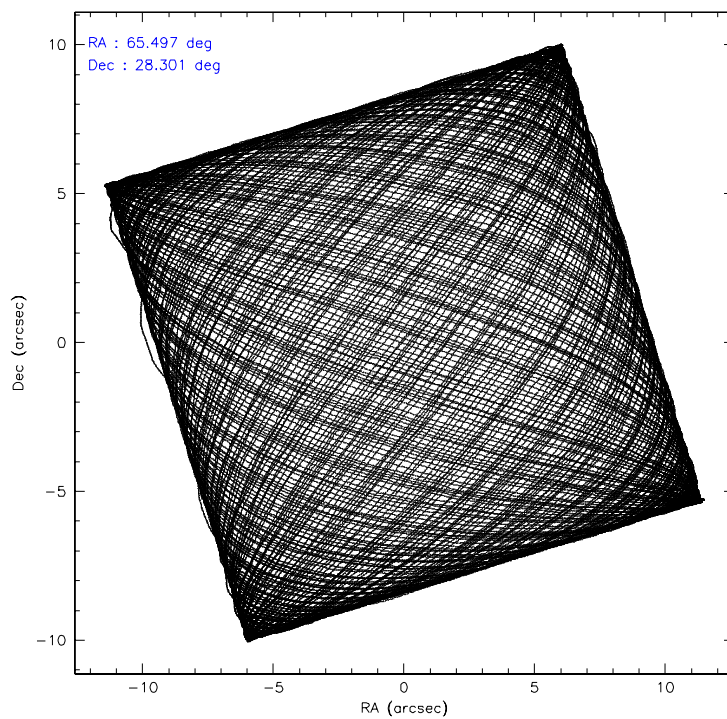
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	734974	951756	681027	891002	840359	663942
rejected events	654076	547690	596482	550935	668327	583991
rejected %	88%	57%	87%	61%	79%	87%

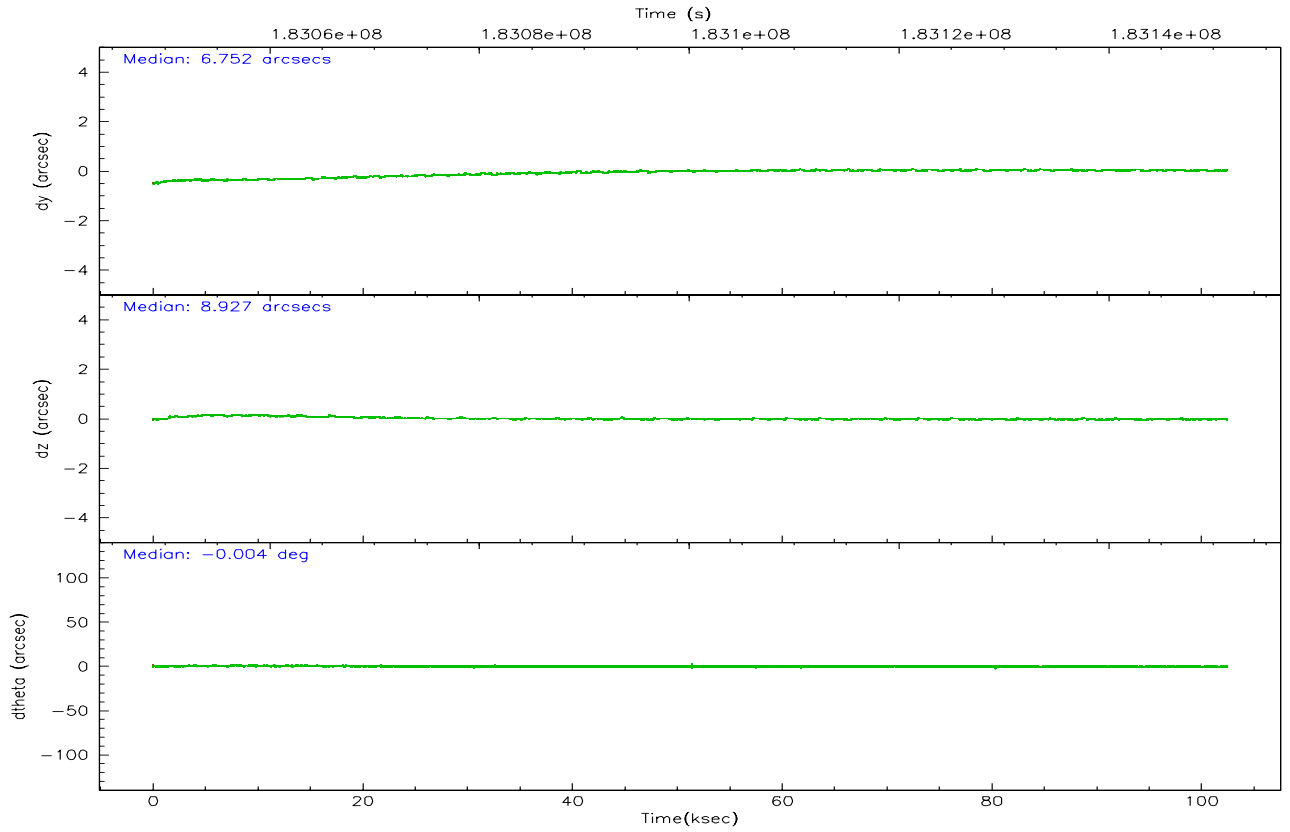
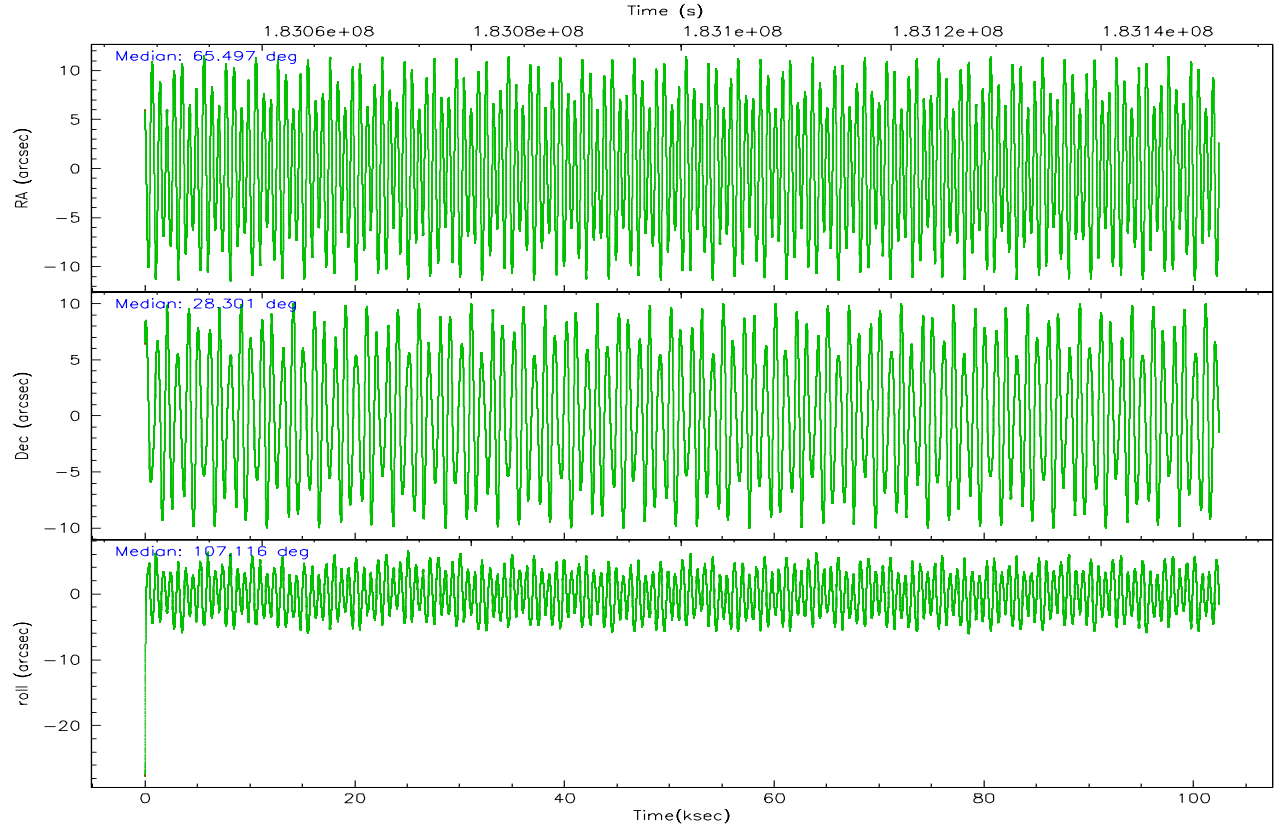
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	35783	15499	35602	19257	55188	32842
	4%	1%	5%	2%	6%	4%
grade 1 events	571	769	288	507	519	365
	0%	0%	0%	0%	0%	0%
grade 2 events	16333	125790	17013	84027	37203	15574
	2%	13%	2%	9%	4%	2%
grade 3 events	8265	9103	7932	17423	18054	8127
	1%	0%	1%	1%	2%	1%
grade 4 events	7826	8599	7797	16867	17245	7806
	1%	0%	1%	1%	2%	1%
grade 5 events	28308	45679	30151	57820	39188	32102
	3%	4%	4%	6%	4%	4%
grade 6 events	12693	245088	16204	202508	44343	15607
	1%	25%	2%	22%	5%	2%
grade 7 events	625195	501229	566040	492593	628619	551519
	85%	52%	83%	55%	74%	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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	65.520240	65.49730071439983	Alternating exposures requested	N	N
Pointing Dec	28.282590	28.30084112103917	Primary exposure time	0.000000	3.2
Pointing Roll	106.950120	107.1176133260781			
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	183049514.184000	183048317.31448			
Observation start date	2003-10-20T15:04:10	2003-10-20T14:45:17			
Observation end time	183151303.184000	183152263.08145			
Observation end date	2003-10-21T19:20:39	2003-10-21T19:37:43			
Read mode	TIMED	TIMED			

2.3 Aspect



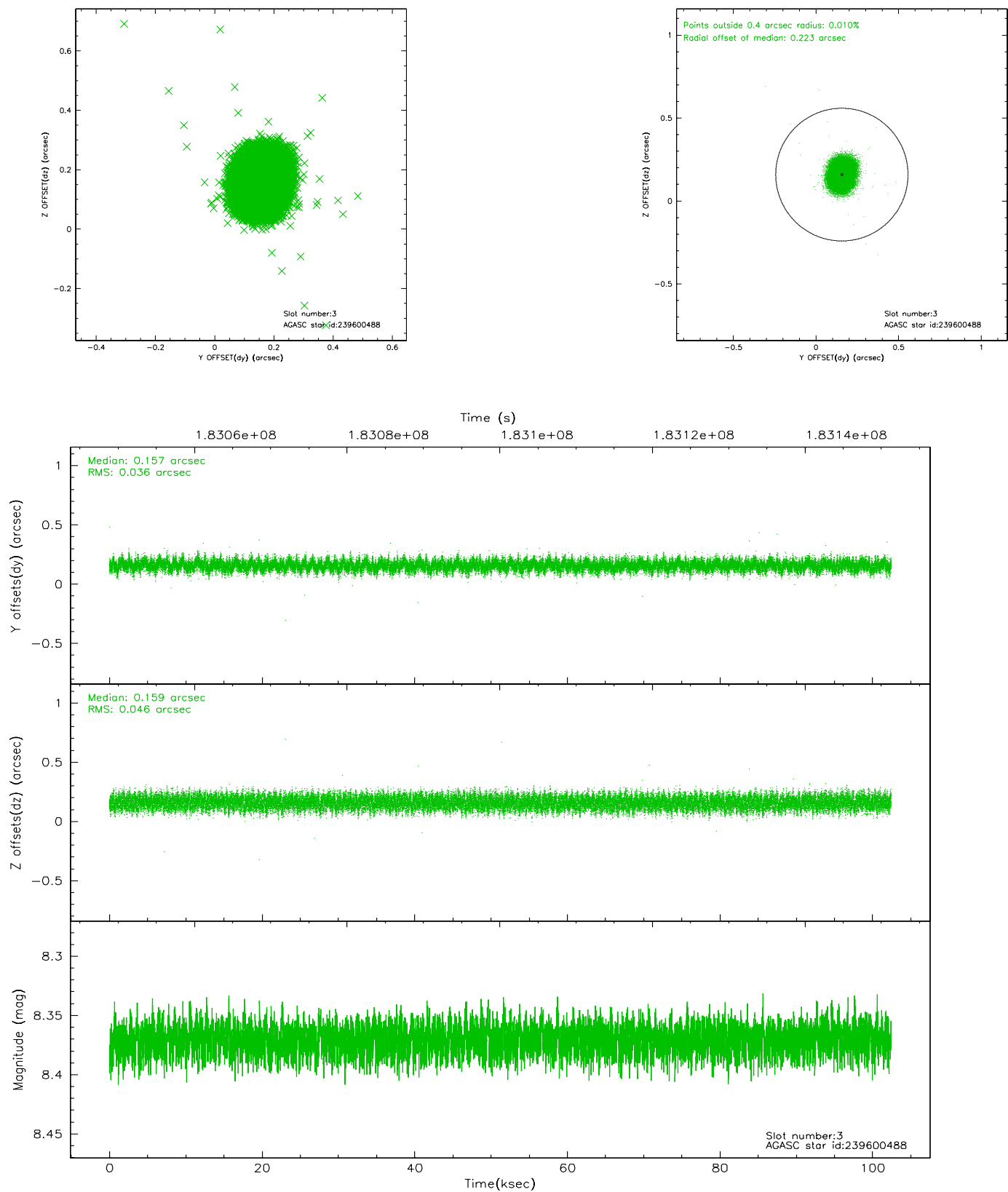


Slot Statistics

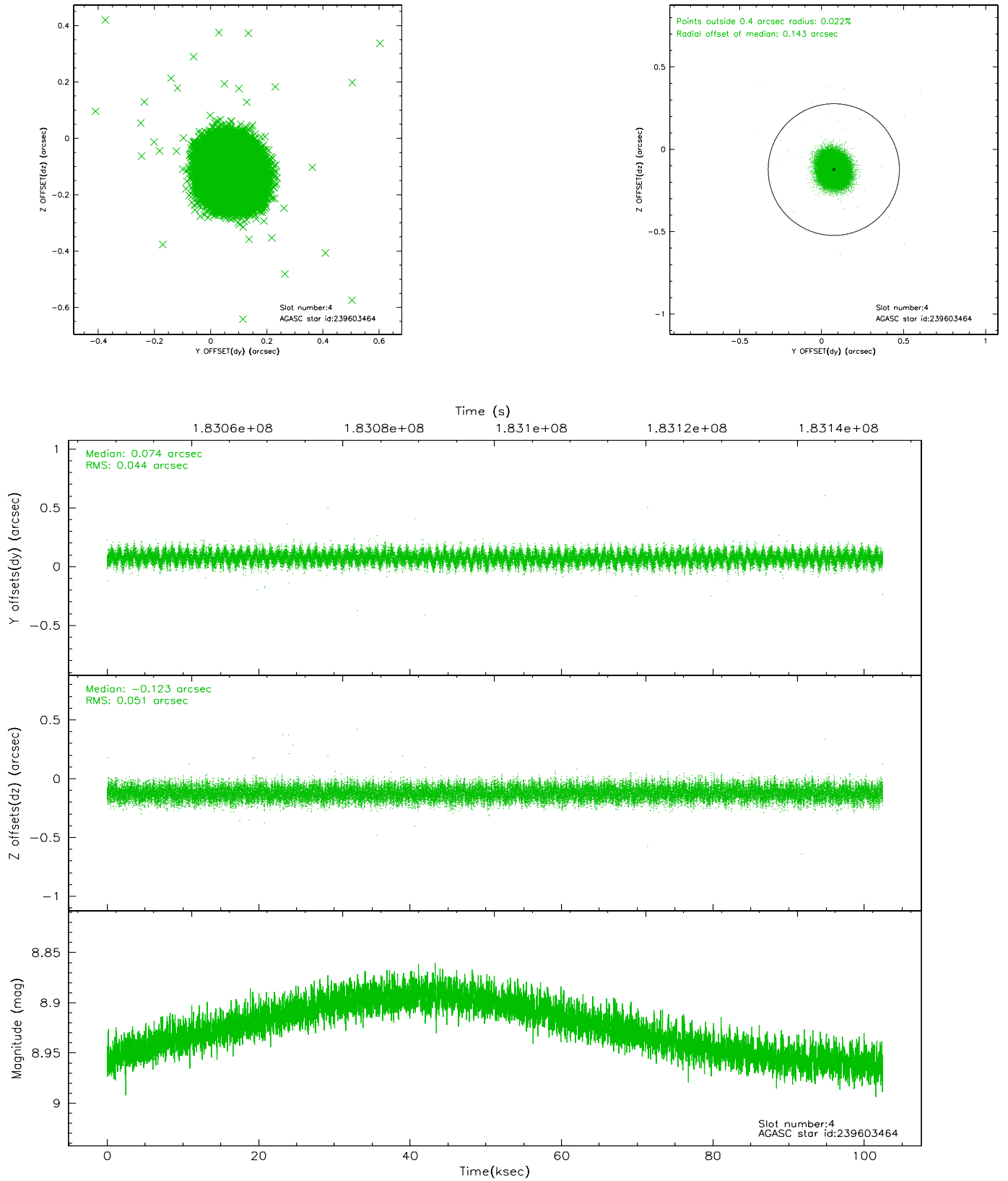
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	24984	-0.067	-0.027	0.007	0.011	0.000000	0.000000	-759.27	-1792.33
1	FID	ACIS-S-4	7.20	24986	0.058	0.039	0.005	0.009	0.000000	0.000000	2154.16	116.31
2	FID	ACIS-S-5	7.23	24986	-0.023	-0.004	0.006	0.010	0.000000	0.000000	-1812.19	109.83
3	GUIDE	239600488	8.37	49964	0.157	0.159	0.062	0.100	65.933091	28.186307	-711.39	-1152.56
4	GUIDE	239603464	8.93	49946	0.074	-0.123	0.072	0.115	65.495198	28.301805	89.54	55.69
5	GUIDE	239607800	9.41	49935	-0.073	0.109	0.099	0.157	65.560123	28.966310	2318.01	-837.71
6	GUIDE	239613168	8.40	49966	-0.066	-0.070	0.052	0.084	65.055525	28.814853	2263.12	842.73
7	GUIDE	239612528	8.23	49961	-0.092	-0.074	0.062	0.098	65.157445	28.892017	2433.76	453.78

2.4 Star Slots

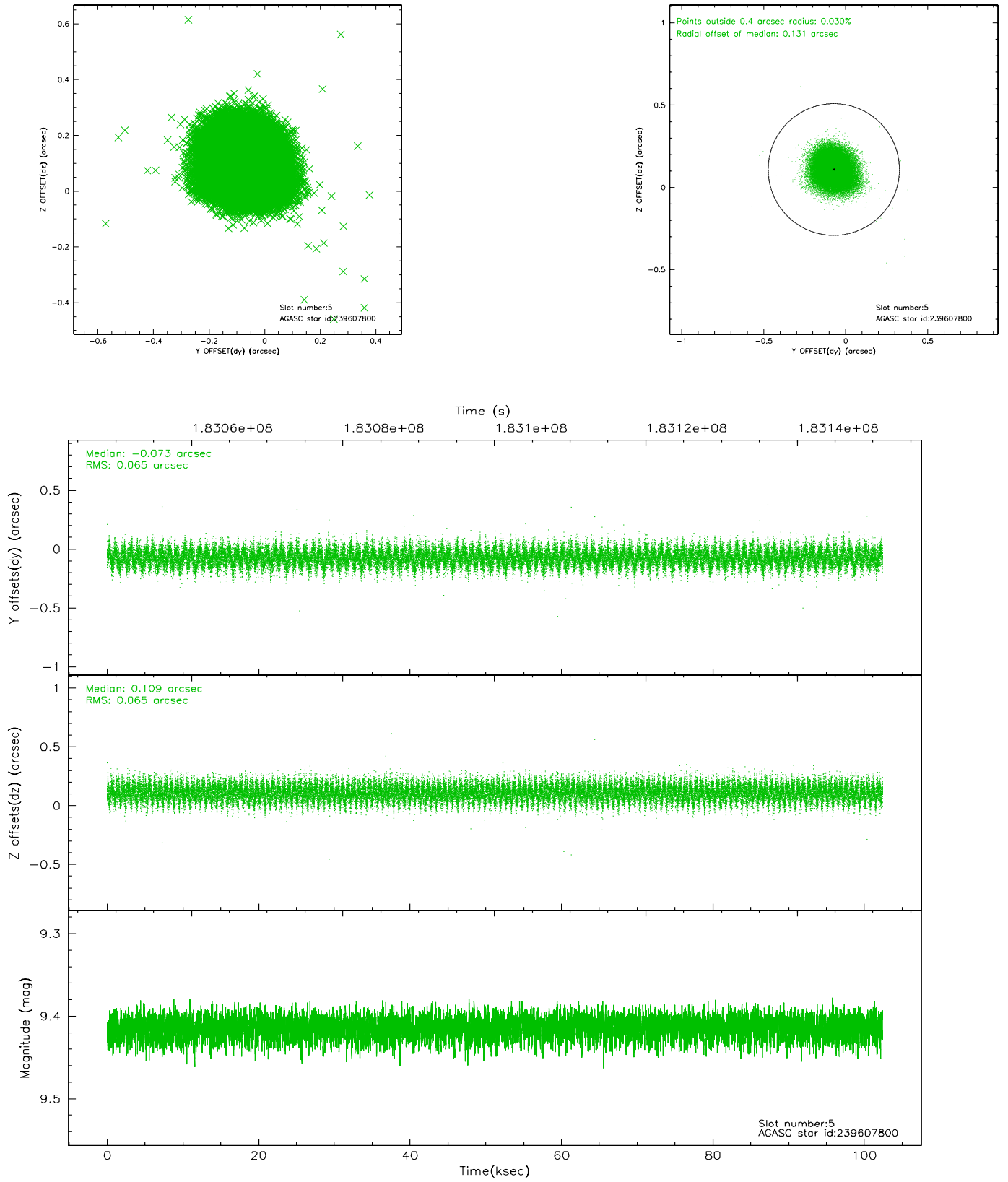
2.4.1 Slot 3



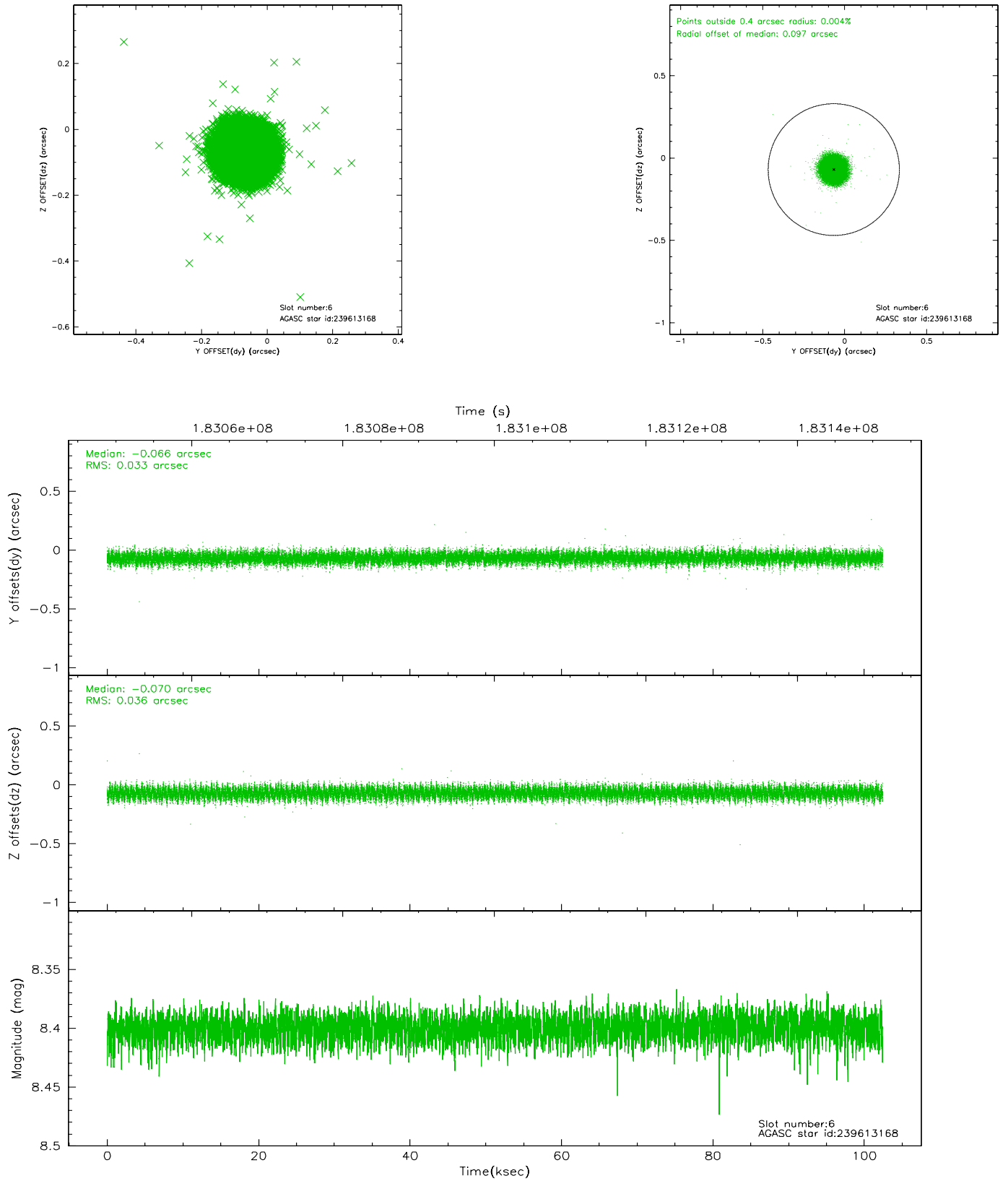
2.4.2 Slot 4



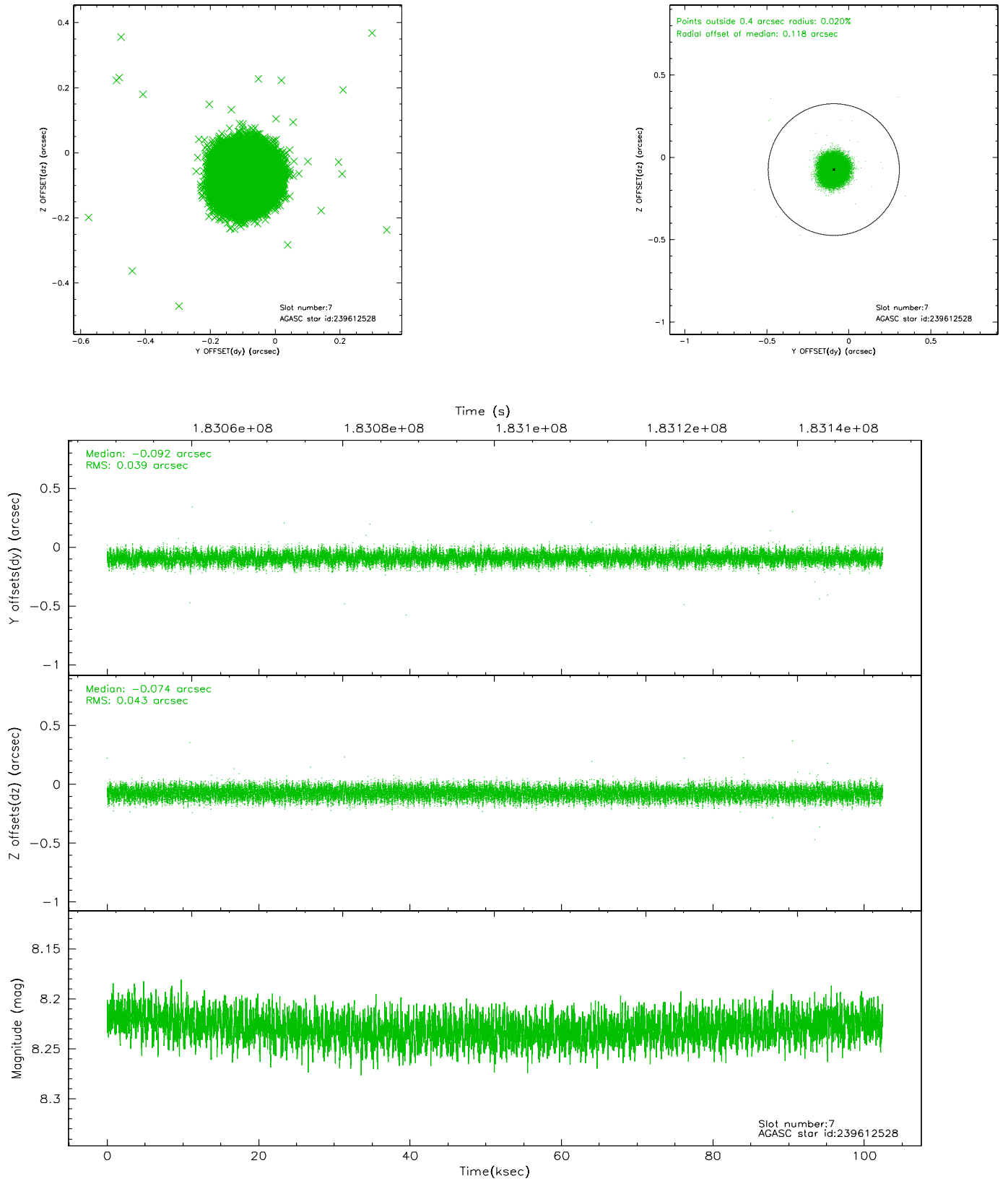
2.4.3 Slot 5



2.4.4 Slot 6

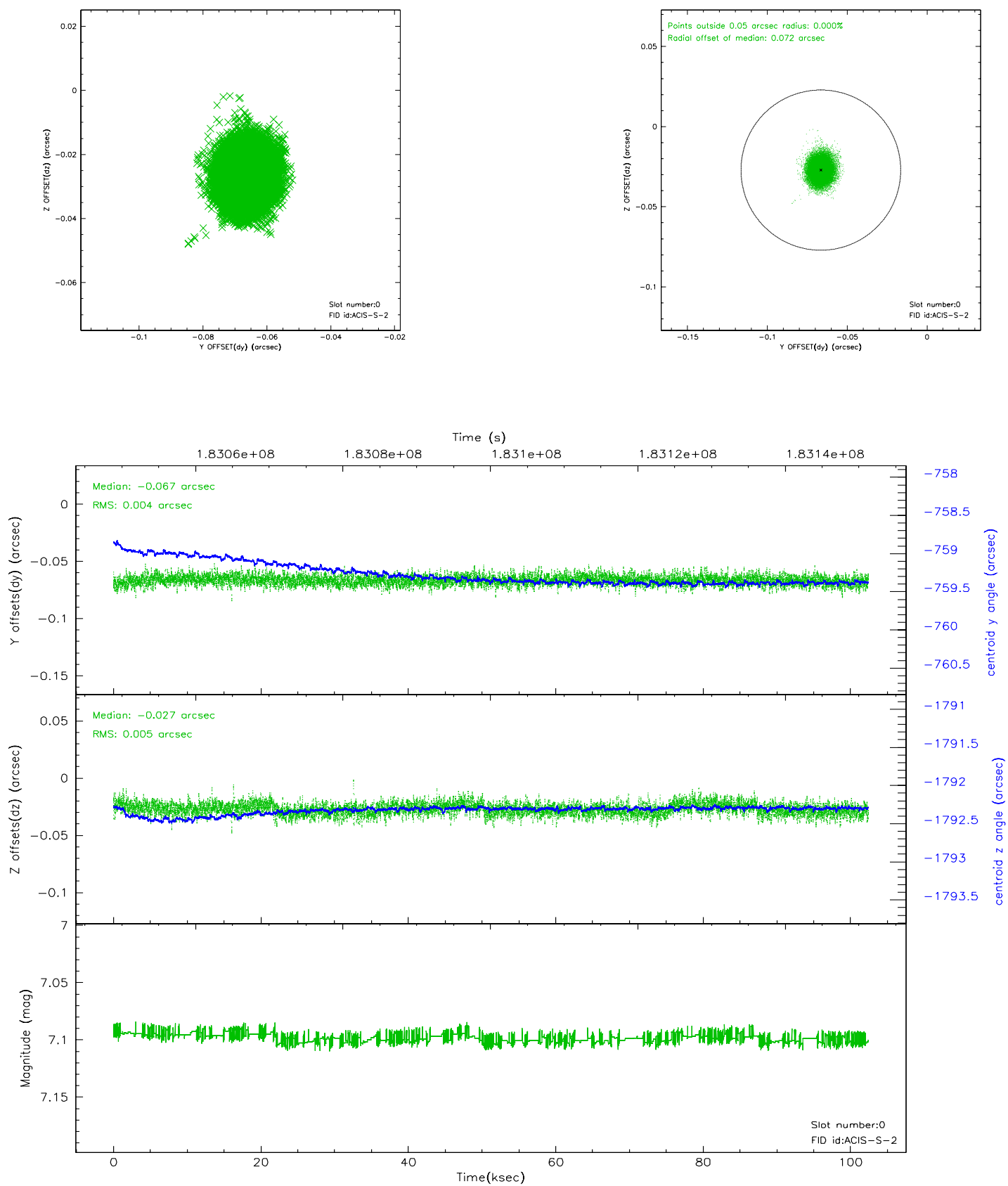


2.4.5 Slot 7

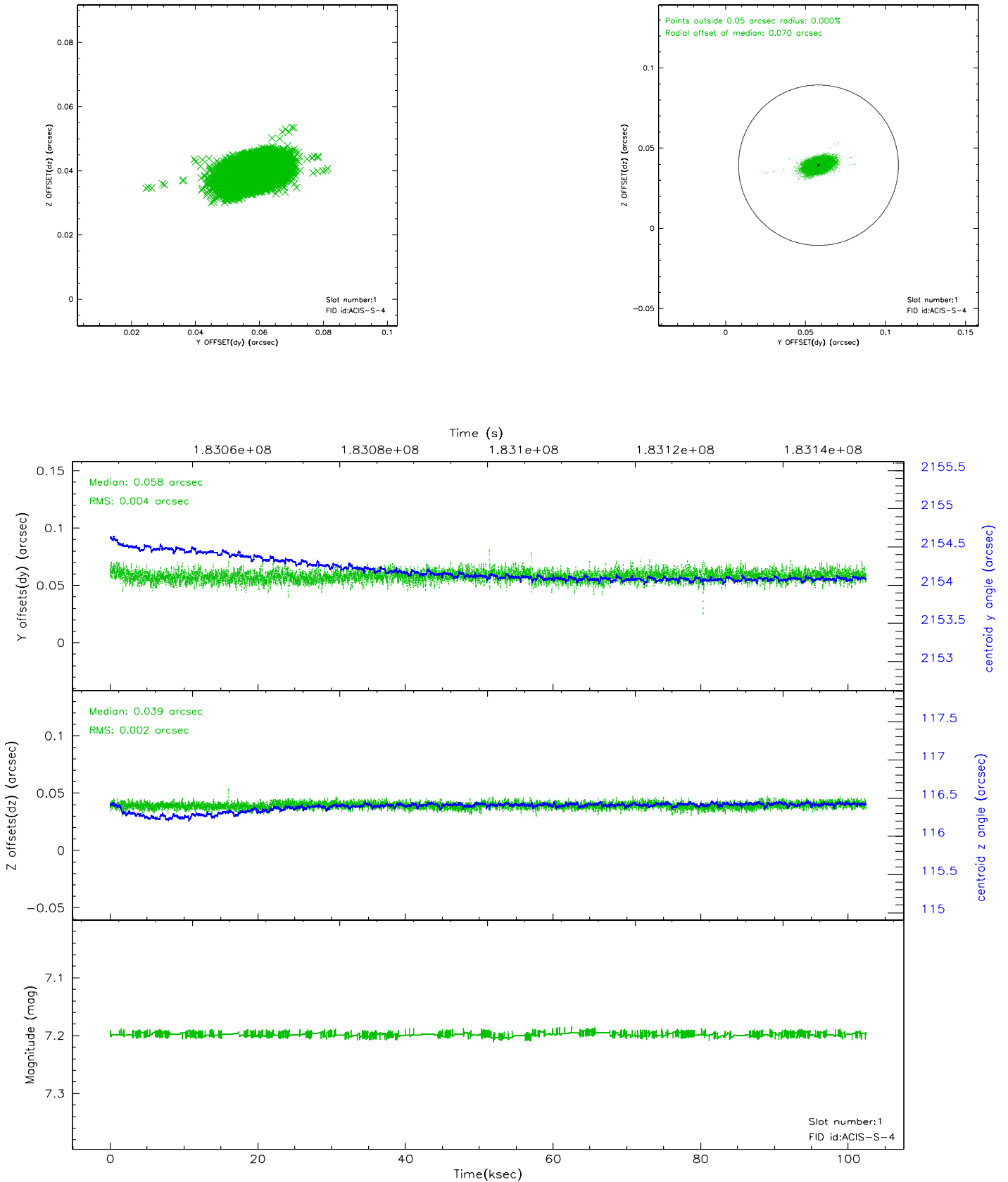


2.5 FID Slots

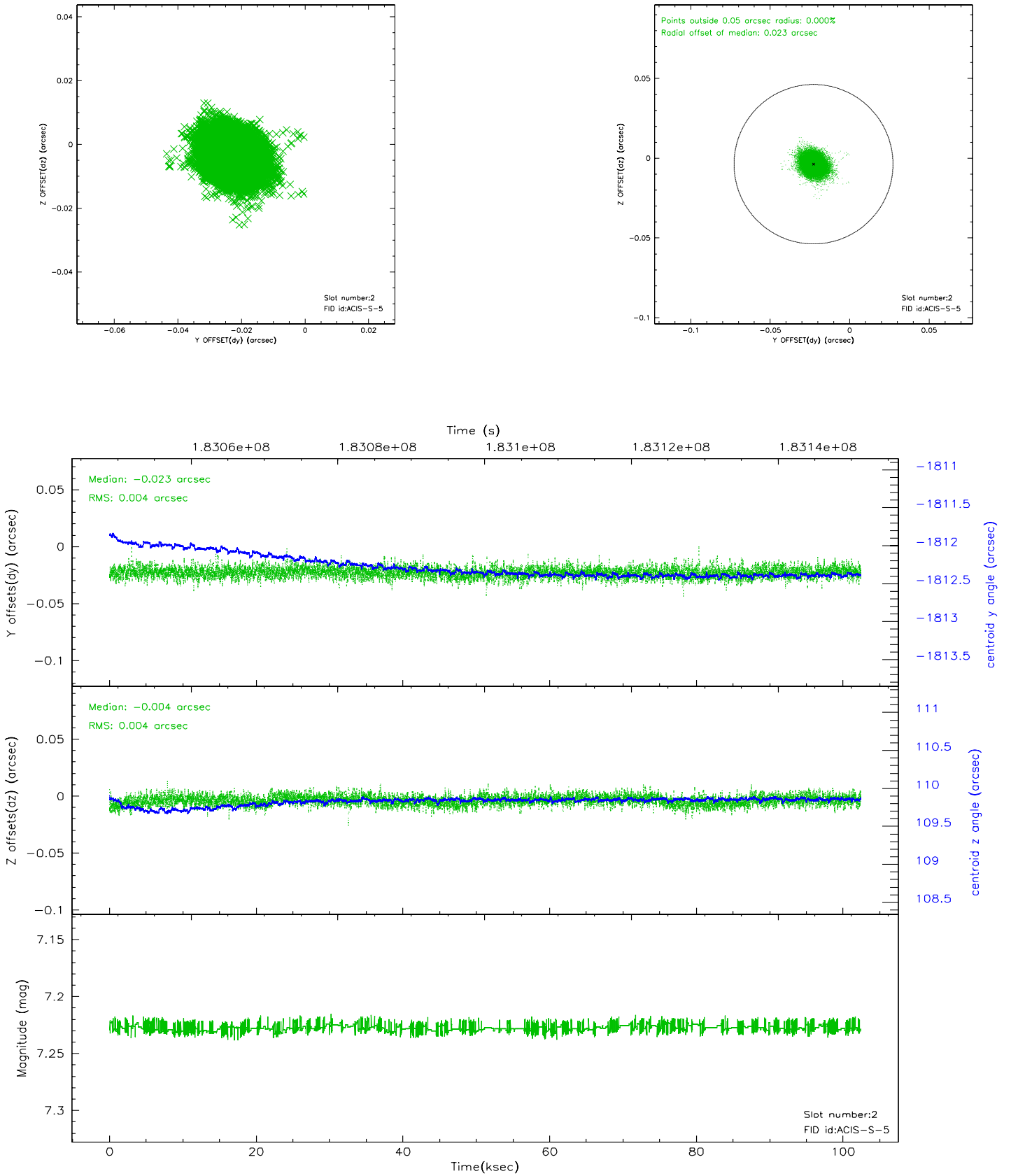
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

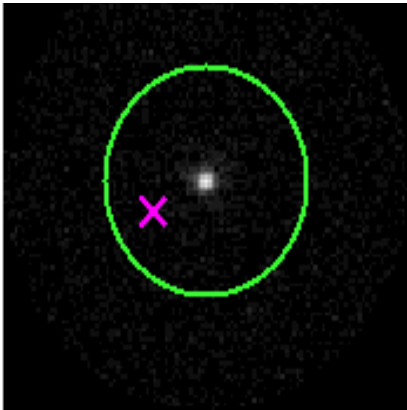


3 Gratings

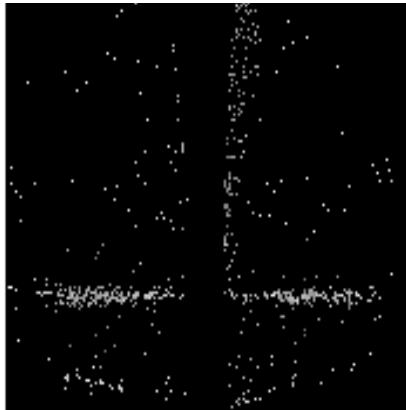
3.1 HEG Arm



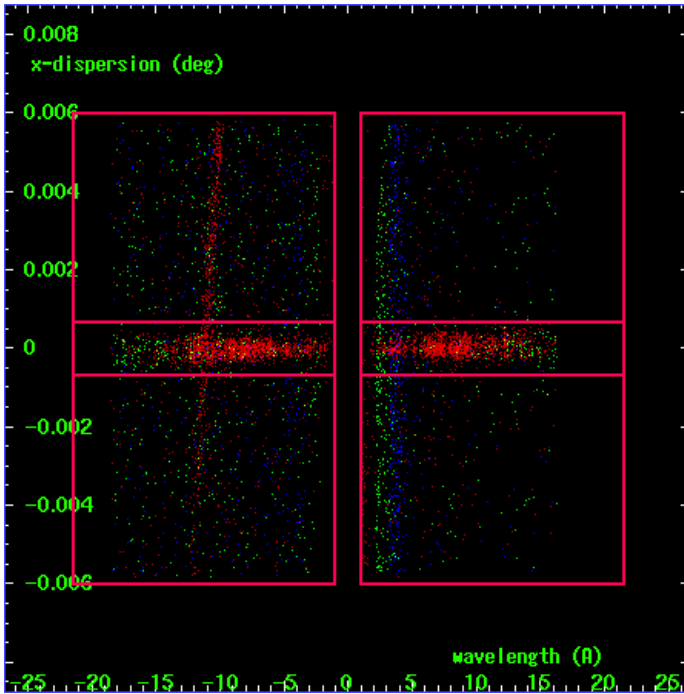
HEG Order Sort 123



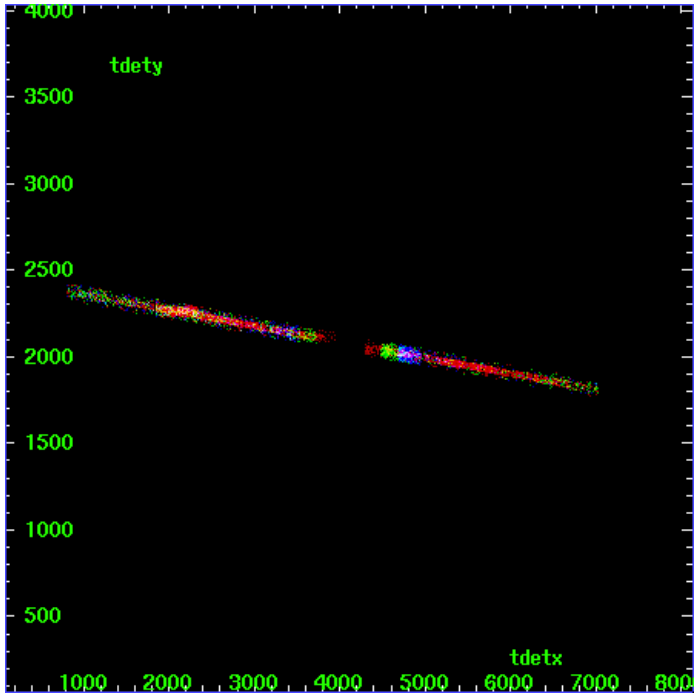
HEG Zero Order



HEG Order Sort ALL

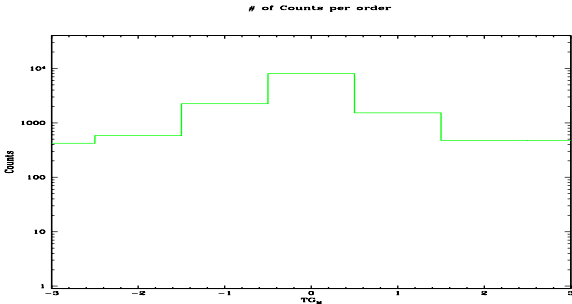


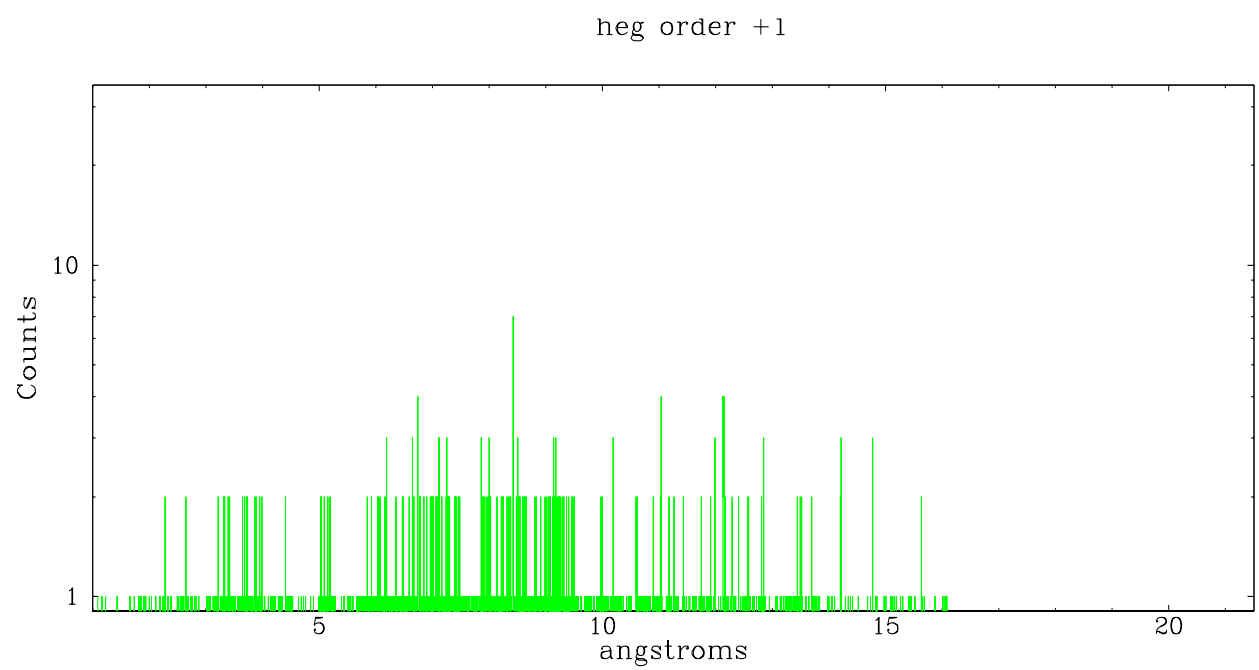
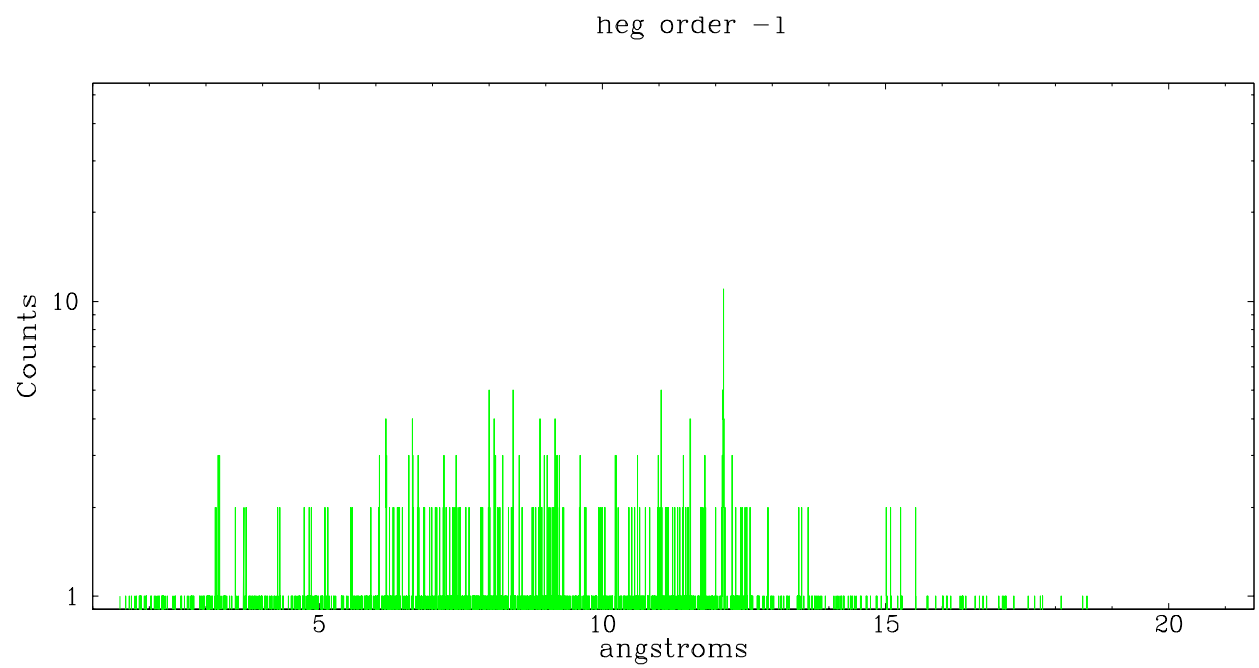
Spot Image HEG



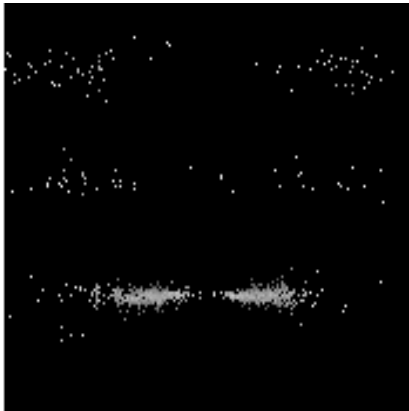
Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	423	582	2255	8007	1529	473	471

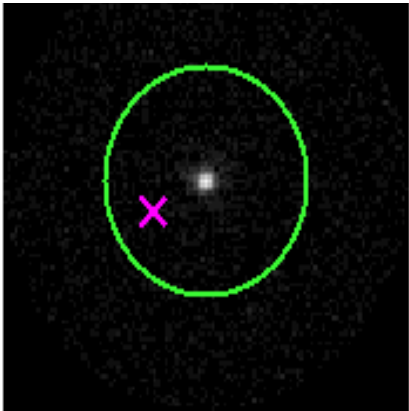




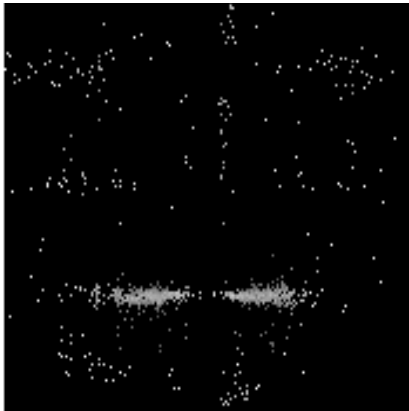
3.2 MEG Arm



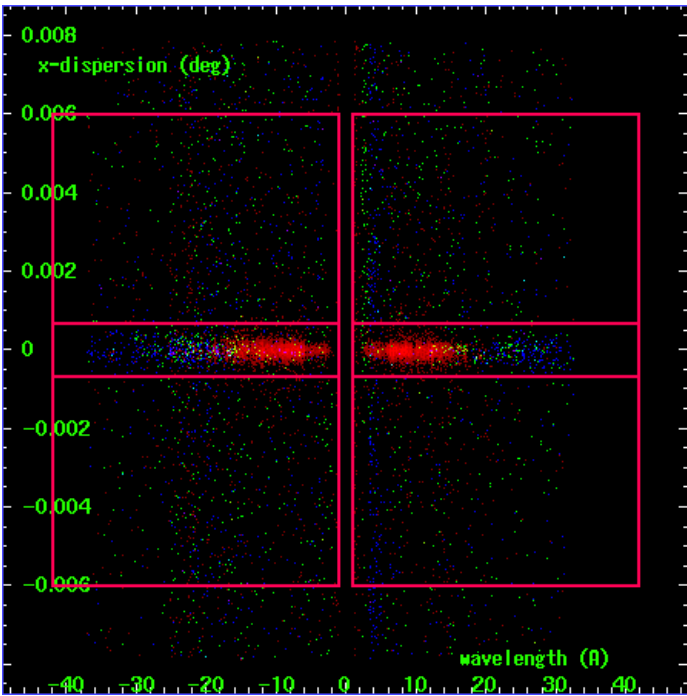
MEG Order Sort 123



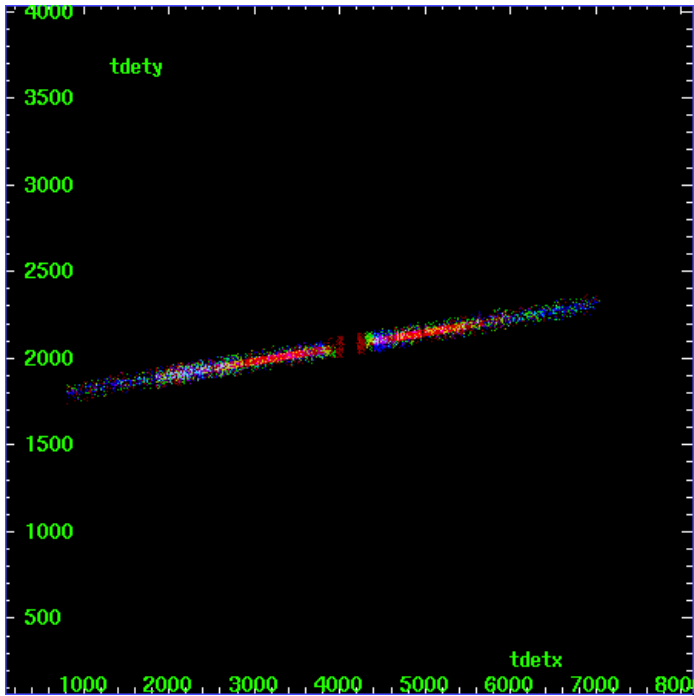
MEG Zero Order



MEG Order Sort ALL

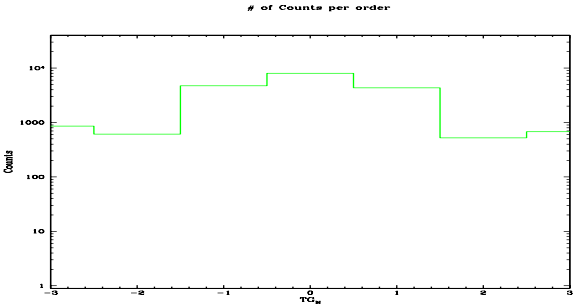


Spot Image MEG

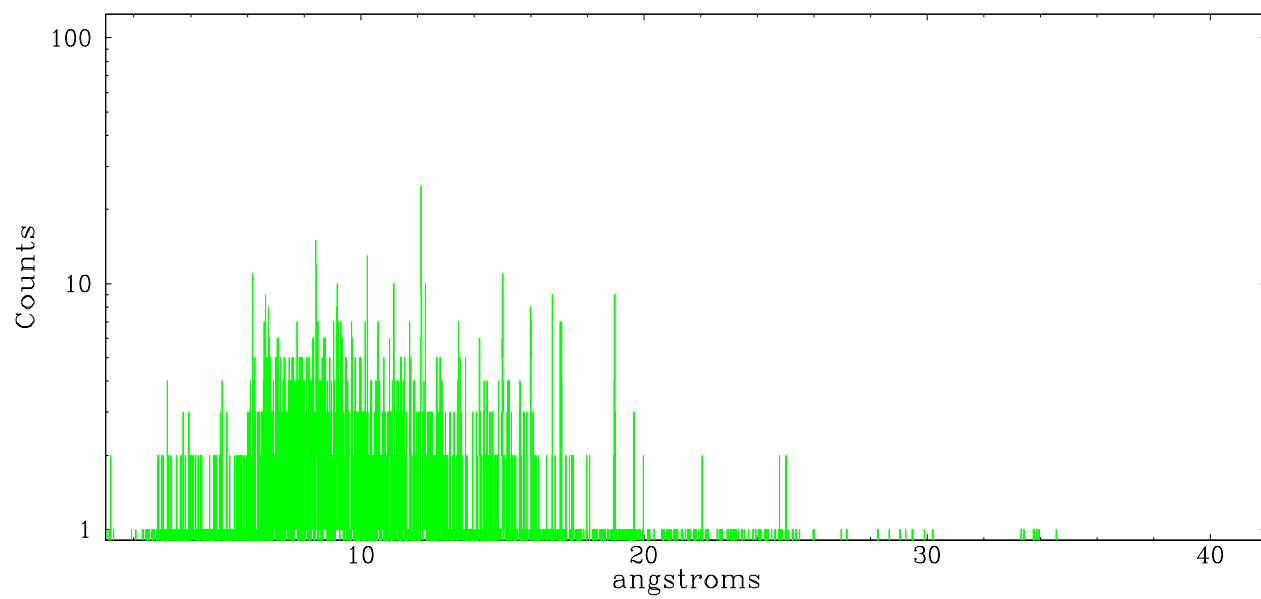


Full Detector MEG

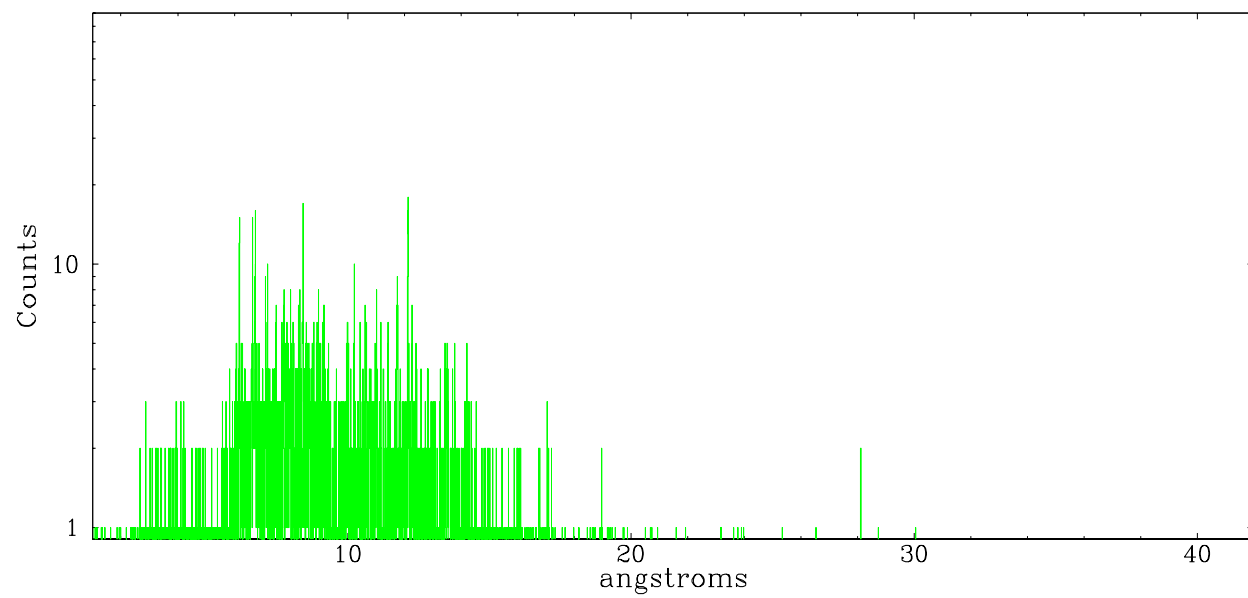
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	856	610	4715	8007	4344	523	679



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	101.747

A.2 Comments

Requested roll of 102 +/- 5 degrees met with roll of 107 degrees.

Focal plane temperature is above -118 degree for first 20 ksec of observation.

The ACIS calibrations are not verified for temperatures above -118 degrees and may not be valid.