

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6265 - L2 Version 002
Chandra X-Ray Center

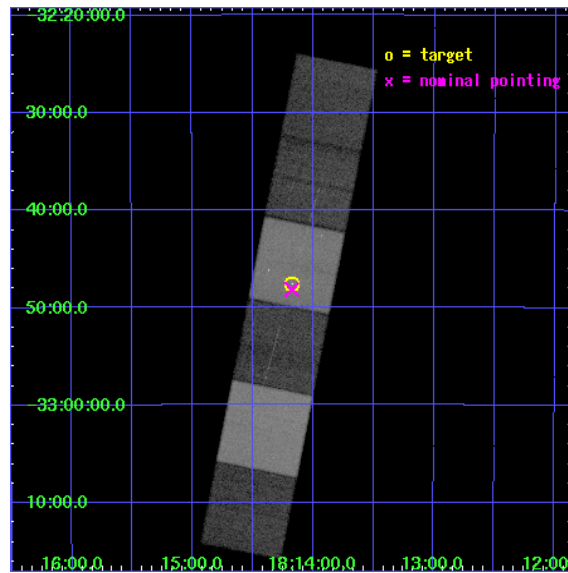
L2 Processing Date : Mar 19 2006

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1 Front

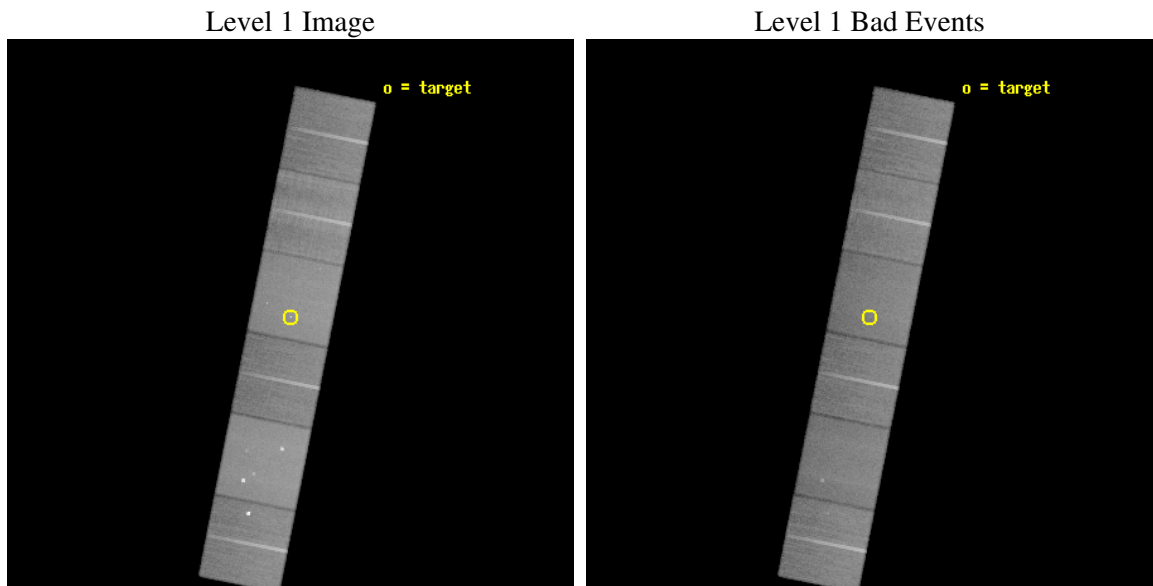
seq_num	200356
obs_id	6265
title	The Production of X-ray Emission in Classical T Tauri Stars
observer	Mr. Gregory Herczeg
object	V4046 Sgr
dtcycle	0
cycle	P
ra_targ	273.54375
dec_targ	-32.792917
ra_nom	273.54400138621
dec_nom	-32.802566963179
roll_nom	281.29057142489
revision	2
ontime	46457.599826932
livetime	45869.325724515
ontime4	46457.599826932
ontime5	46457.599826932
ontime6	46457.599826932
ontime7	46457.599826932
ontime8	46457.599826932
ontime9	46454.358826756
l2events	510540



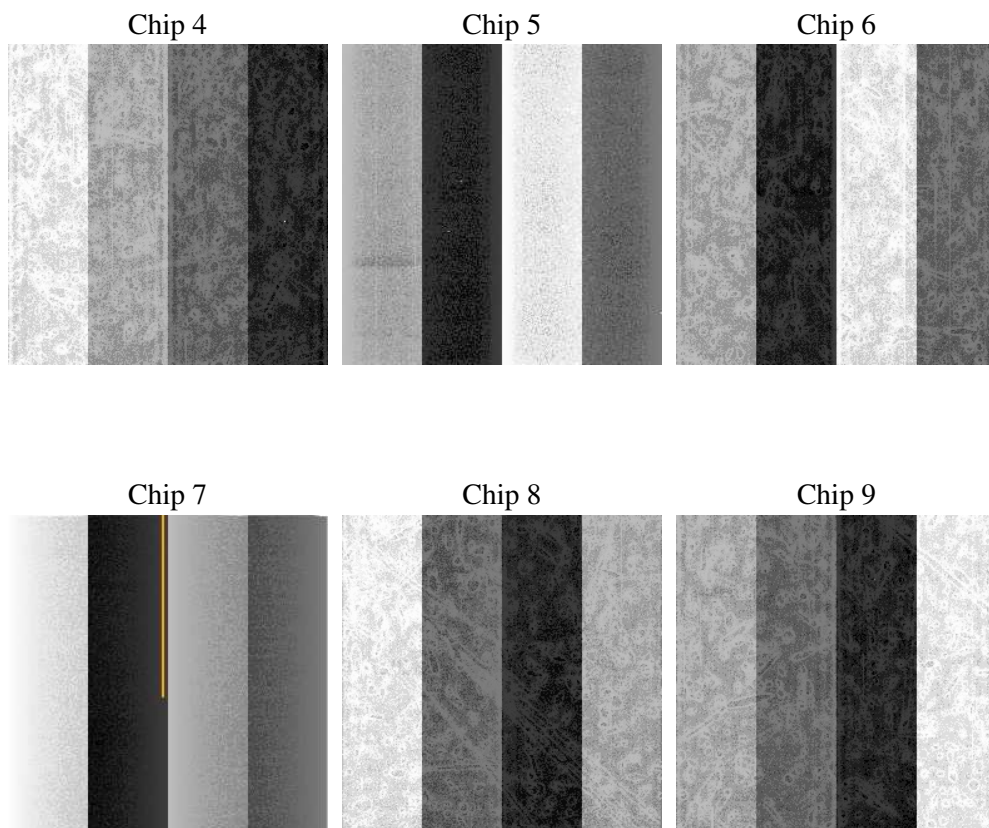
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-19T05:02:40
revision	2

sched_exp_time	46500.000000
ontime	46459.919180006
ontime4	46459.919180006
ontime5	46459.91918993
ontime6	46459.919180006
ontime7	46459.919180006
ontime8	46459.919180006
ontime9	46456.67817983
l1events	2382468

2.1.4 Events

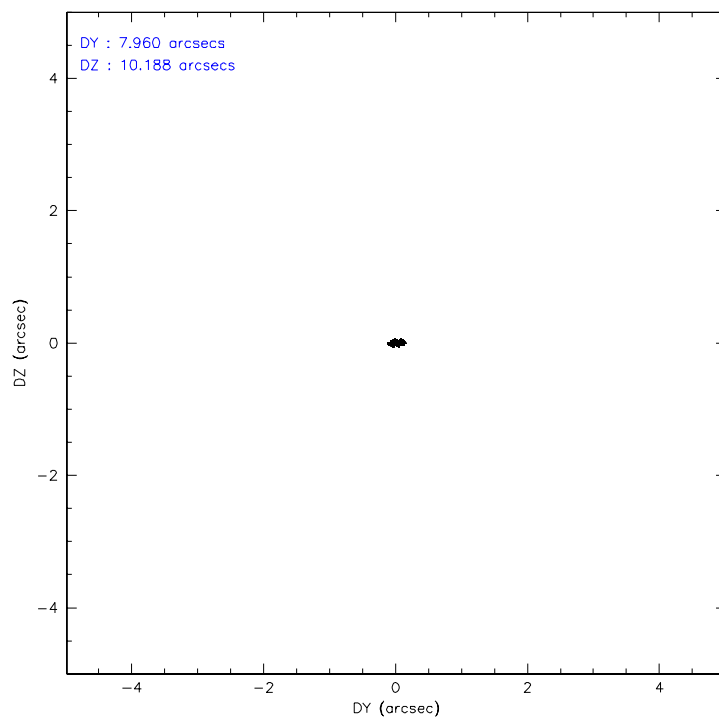
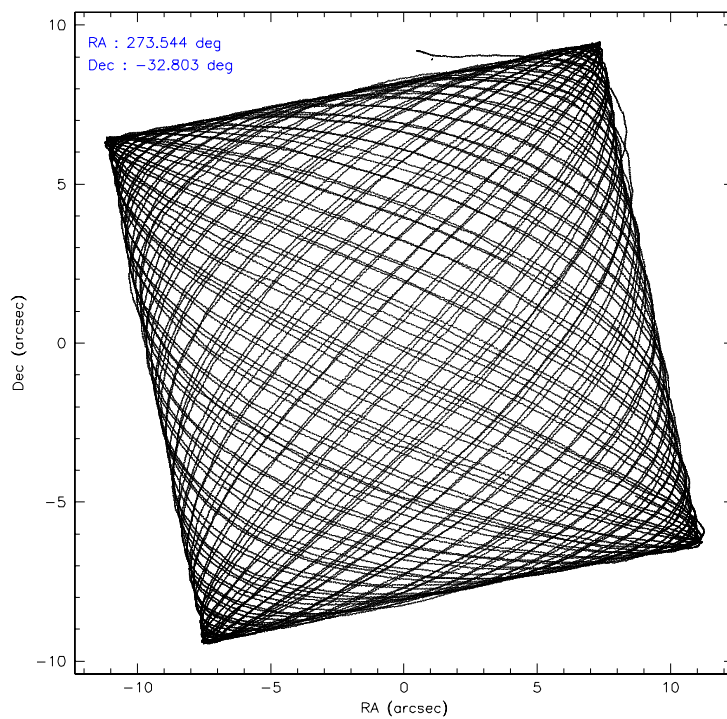
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	374563	493784	327651	448136	412467	325867
rejected events	323043	277237	287627	277547	324491	285758
rejected %	86%	56%	87%	61%	78%	87%

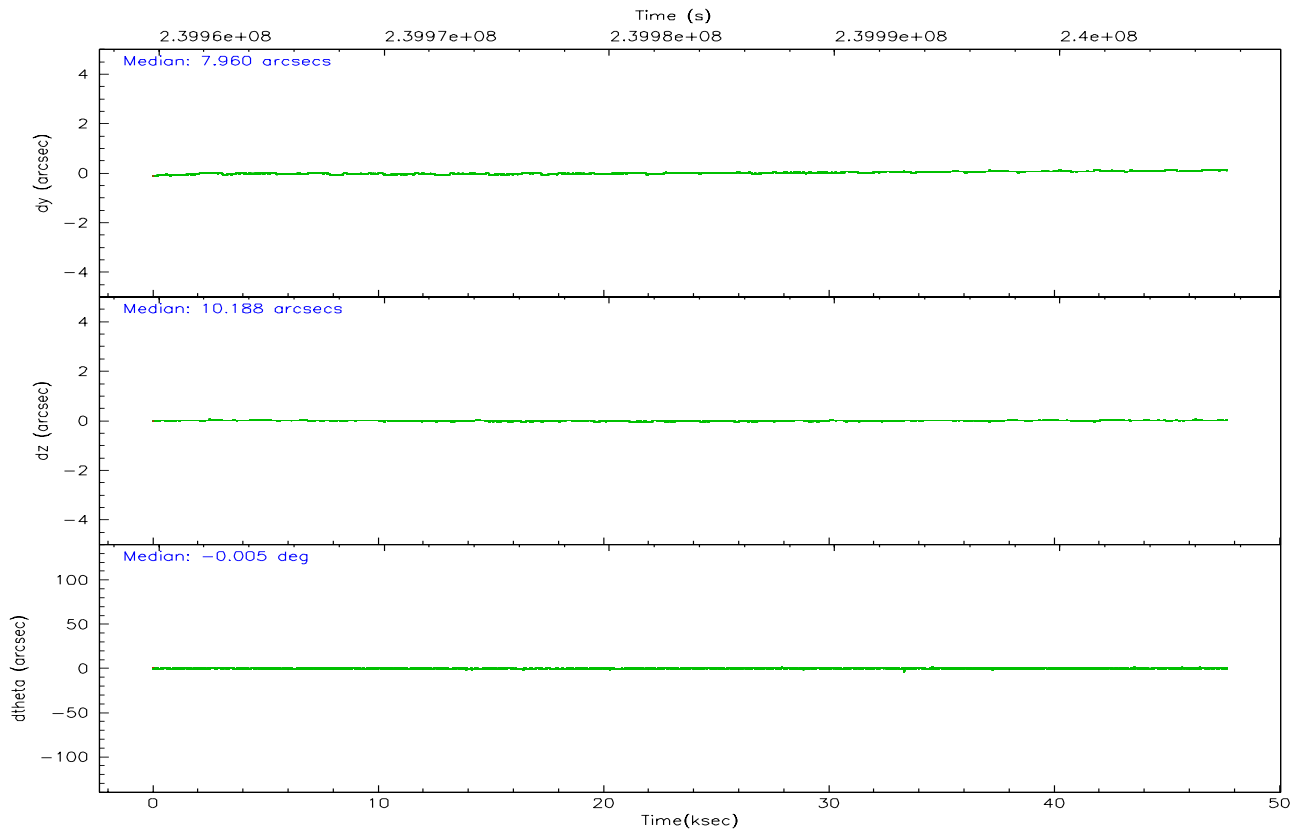
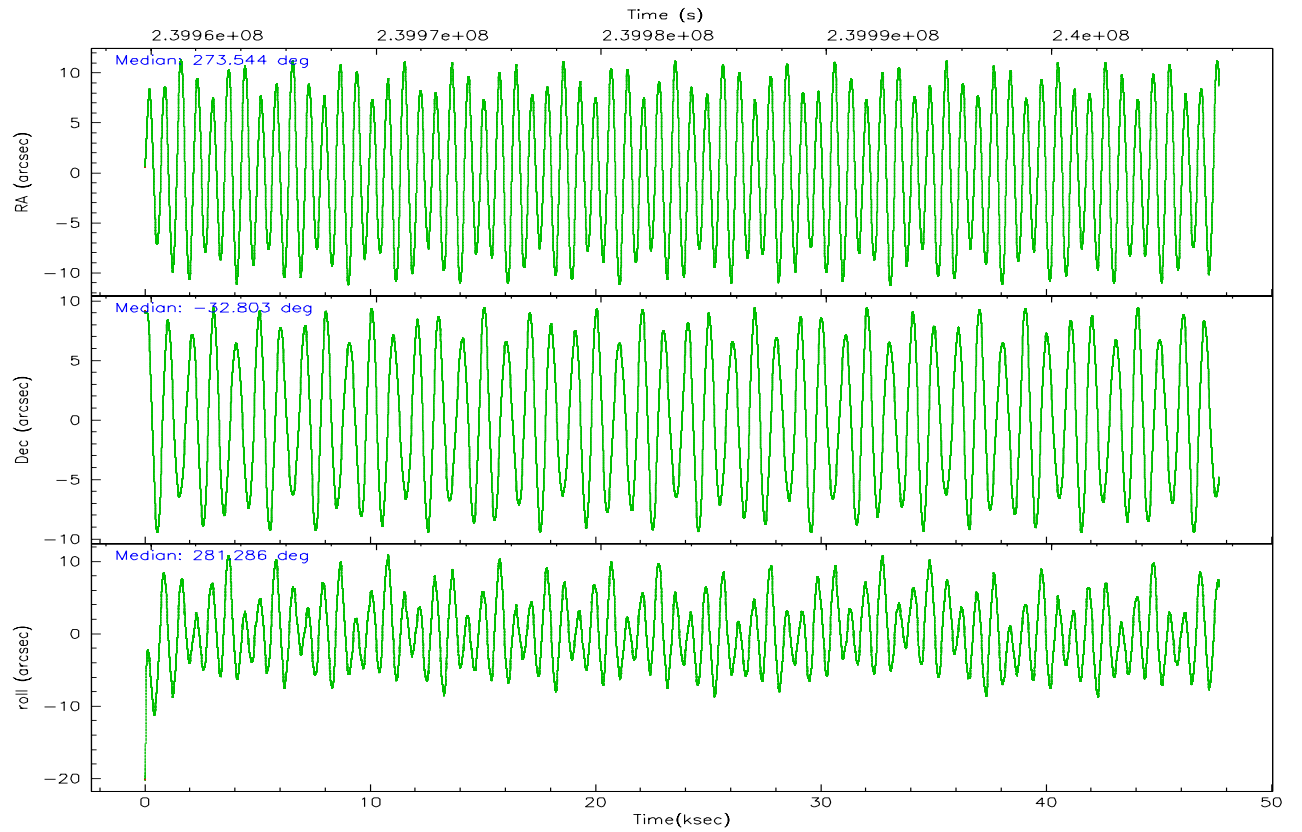
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	28356	17070	15862	9591	28075	16524
	7%	3%	4%	2%	6%	5%
grade 1 events	349	1158	156	282	286	184
	0%	0%	0%	0%	0%	0%
grade 2 events	8419	66625	8487	42488	19330	7904
	2%	13%	2%	9%	4%	2%
grade 3 events	4204	4452	3756	8406	9109	3924
	1%	0%	1%	1%	2%	1%
grade 4 events	4005	4216	3719	8341	8522	3864
	1%	0%	1%	1%	2%	1%
grade 5 events	14849	23080	15384	29022	20408	16518
	3%	4%	4%	6%	4%	5%
grade 6 events	6537	124196	8204	101774	22942	7894
	1%	25%	2%	22%	5%	2%
grade 7 events	307844	252987	272083	248232	303795	269055
	82%	51%	83%	55%	73%	82%

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	273.522290	273.5440013862078	Alternating exposures requested	N	N
Pointing Dec	-32.782374	-32.8025669631786	Primary exposure time	0.000000	3.2
Pointing Roll	281.122184	281.2905714248867			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	239960927.184000	239959330.27741			
Observation start date	2005-08-09T07:47:43	2005-08-09T07:22:10			
Observation end time	240007427.184000	240008450.32967			
Observation end date	2005-08-09T20:42:43	2005-08-09T21:00:50			
Read mode	TIMED	TIMED			

2.3 Aspect



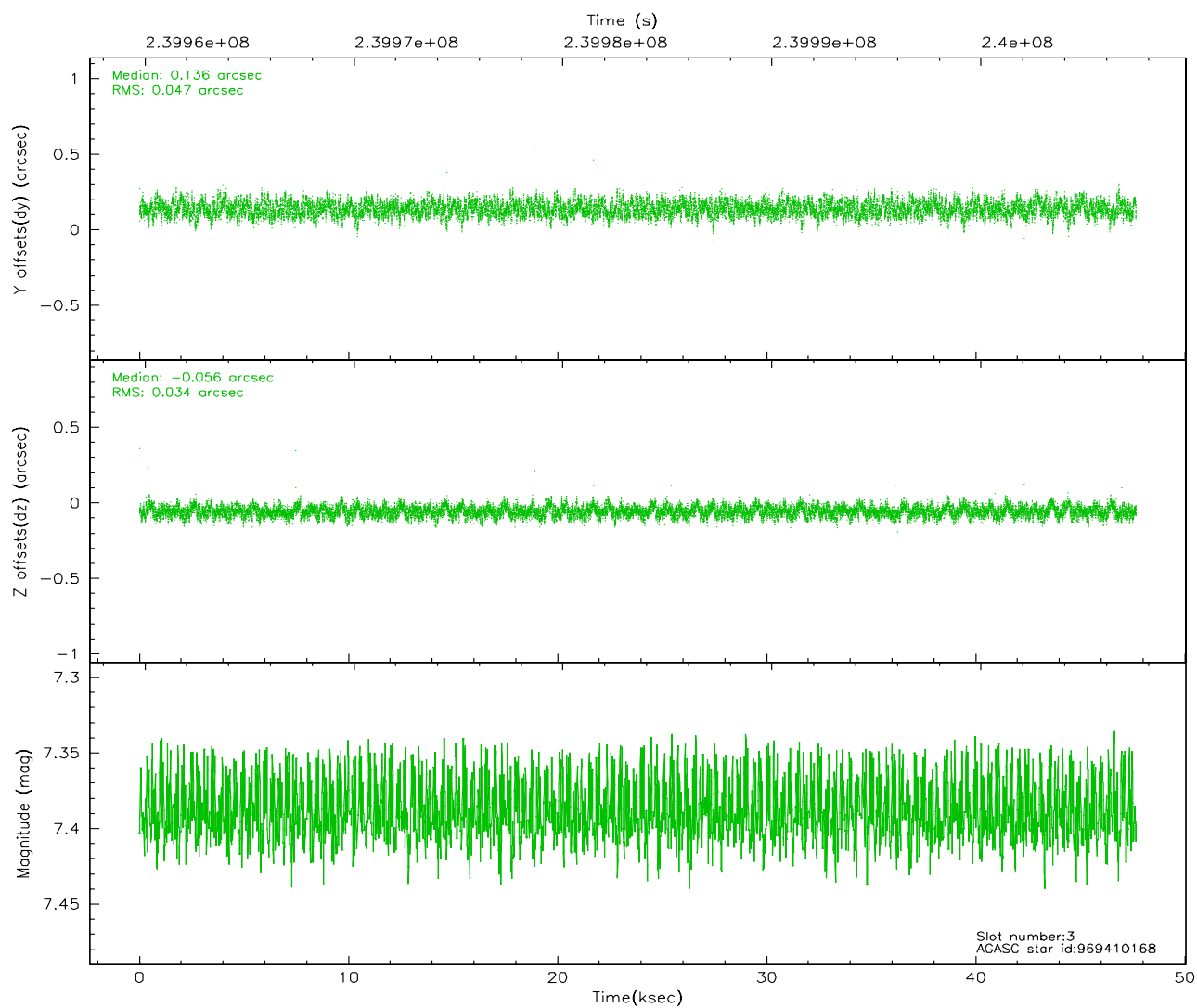
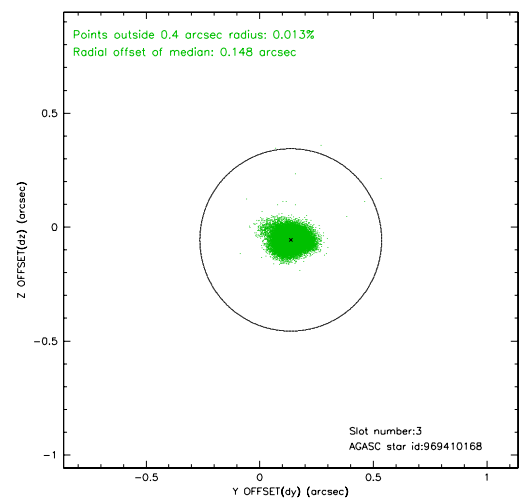
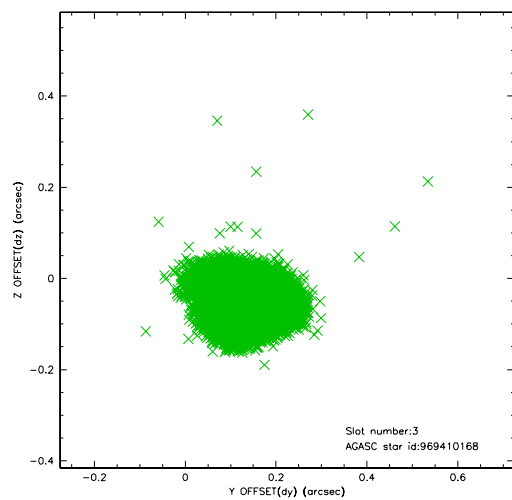


Slot Statistics

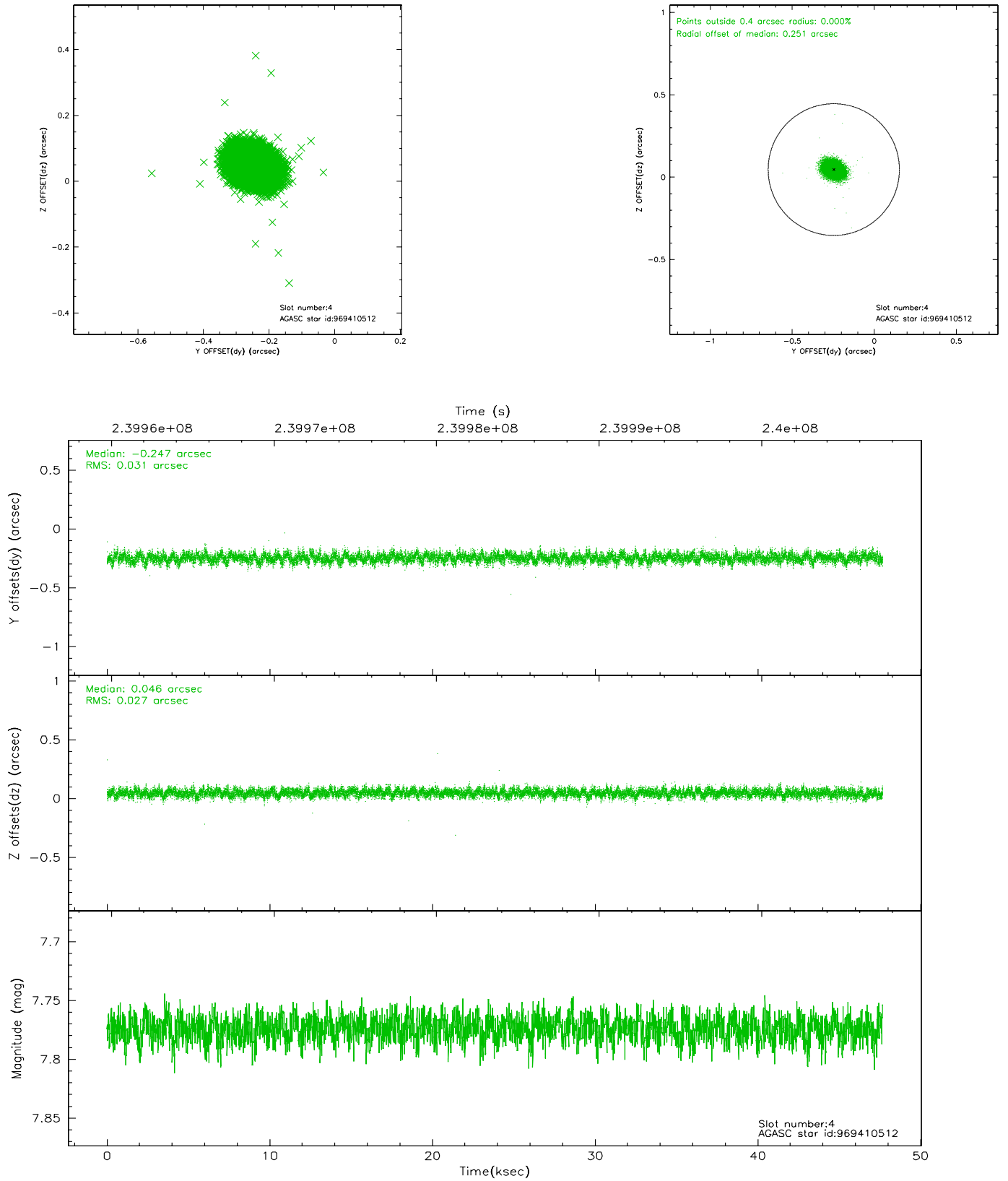
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	11629	-0.047	-0.022	0.006	0.011	0.000000	0.000000	-760.77	-1731.37
1	FID	ACIS-S-4	7.21	11629	0.049	0.024	0.006	0.011	0.000000	0.000000	2152.58	177.22
2	FID	ACIS-S-6	7.35	11626	-0.029	0.005	0.007	0.012	0.000000	0.000000	401.17	814.55
3	GUIDE	969410168	7.39	23251	0.136	-0.056	0.062	0.097	273.917435	-33.091571	1324.64	954.39
4	GUIDE	969410512	7.77	23257	-0.247	0.046	0.043	0.071	273.701392	-32.213017	-1905.43	930.57
5	GUIDE	969412944	8.60	23254	0.058	-0.032	0.069	0.110	273.273913	-32.720895	-361.11	-695.56
6	GUIDE	969415768	9.12	23240	-0.091	-0.103	0.115	0.174	272.909685	-32.404195	-1689.53	-1565.64
7	GUIDE	969423304	9.16	23218	0.146	0.144	0.089	0.141	274.359501	-33.253694	2161.24	2144.17

2.4 Star Slots

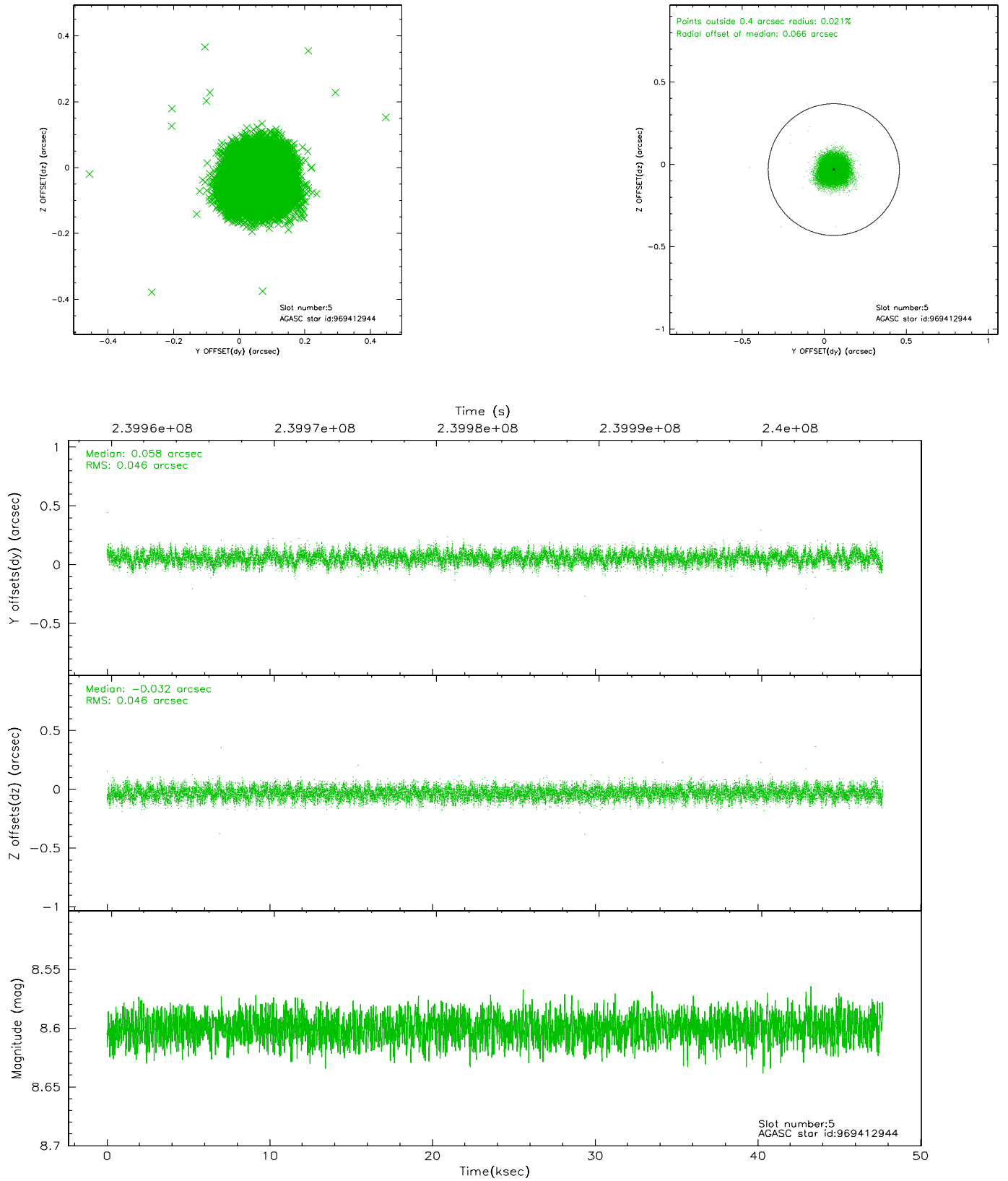
2.4.1 Slot 3



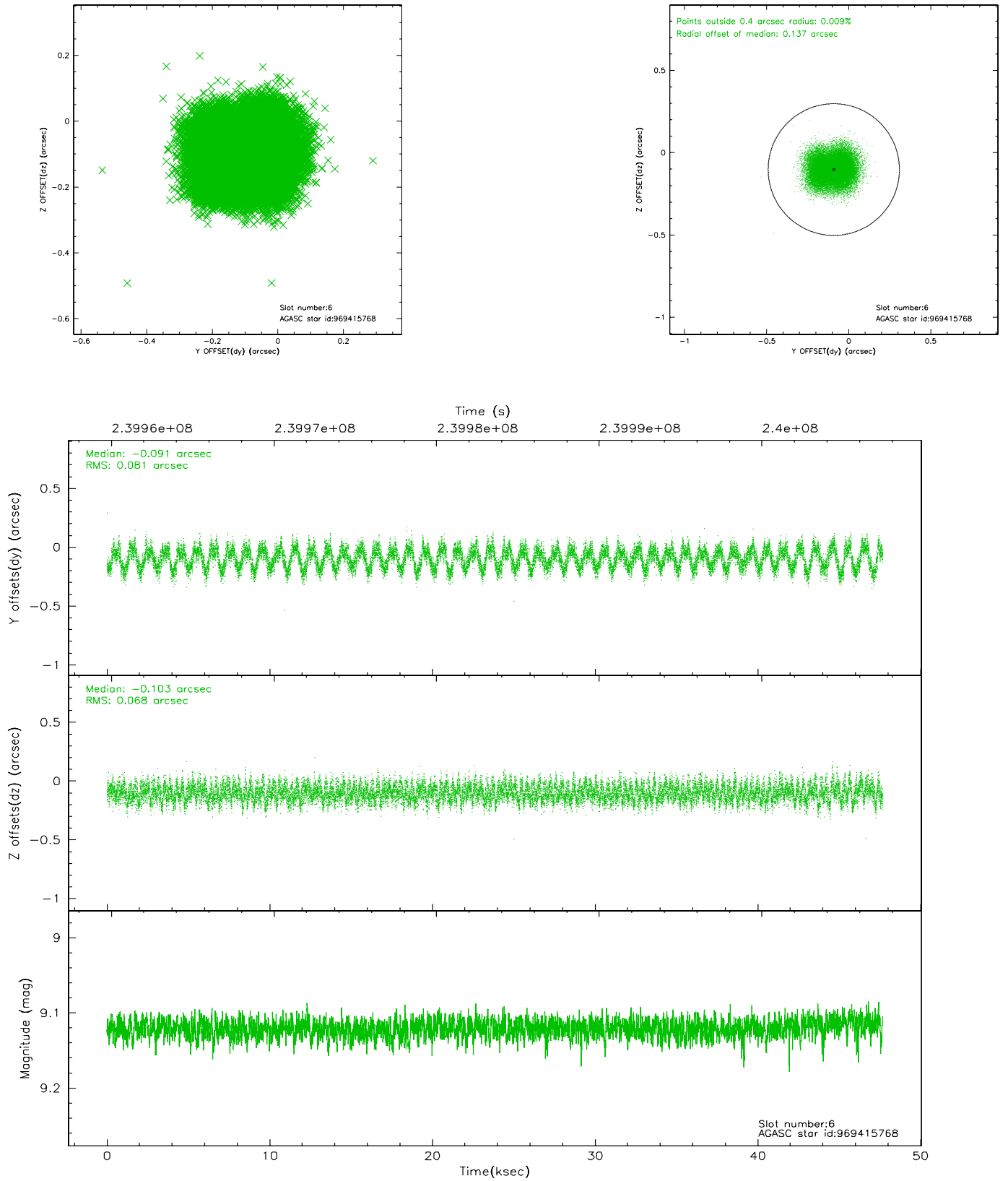
2.4.2 Slot 4



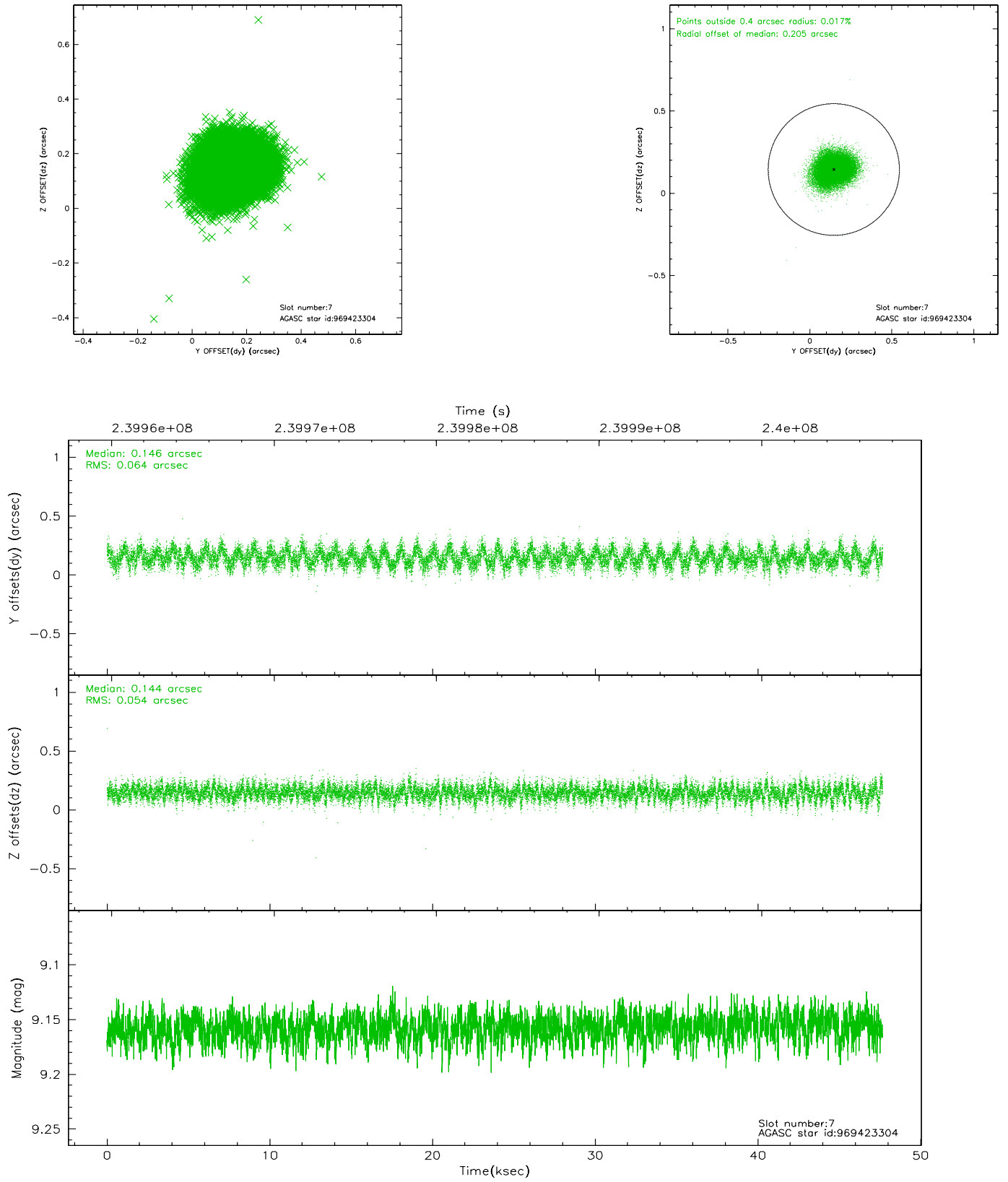
2.4.3 Slot 5



2.4.4 Slot 6

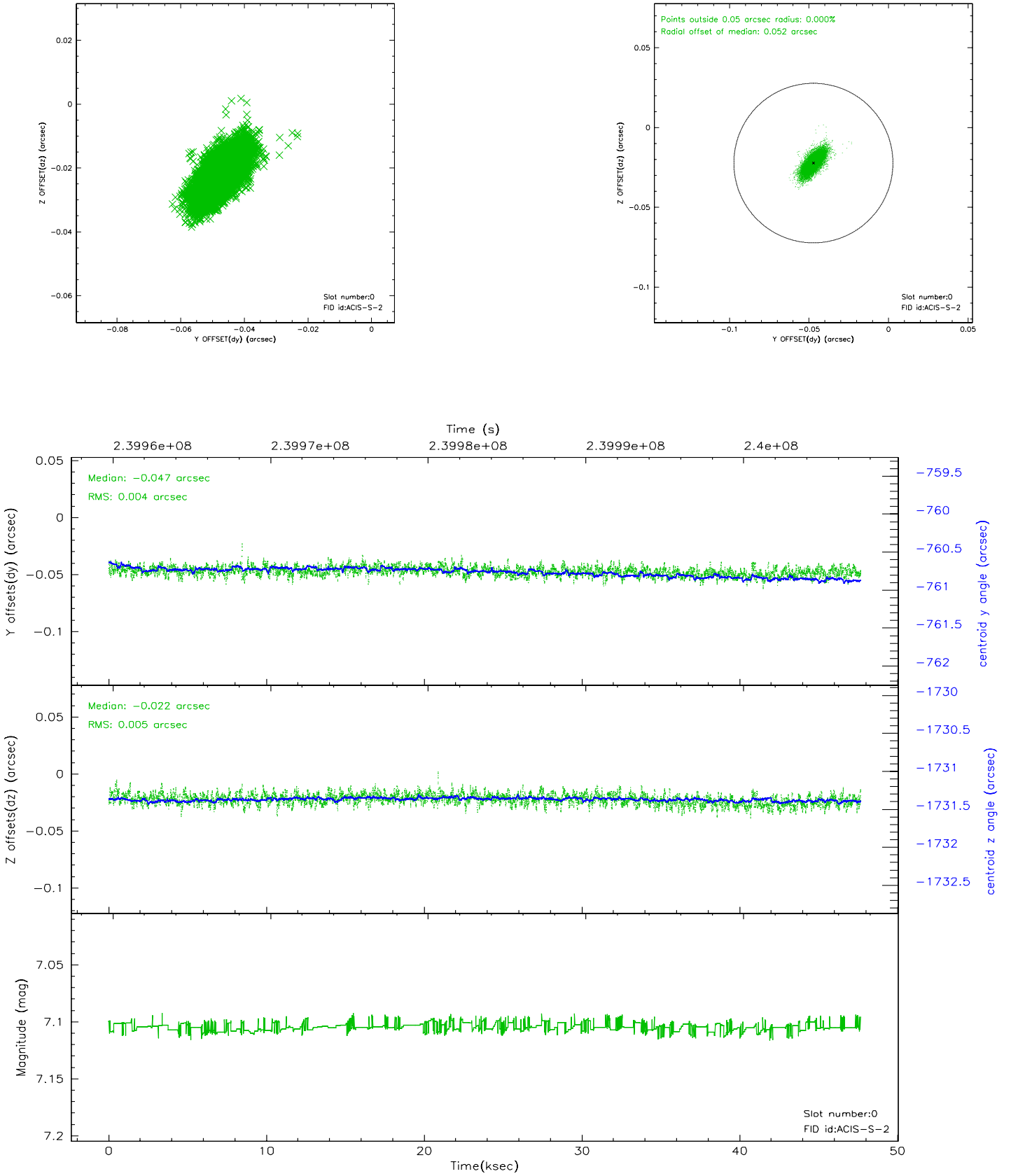


2.4.5 Slot 7

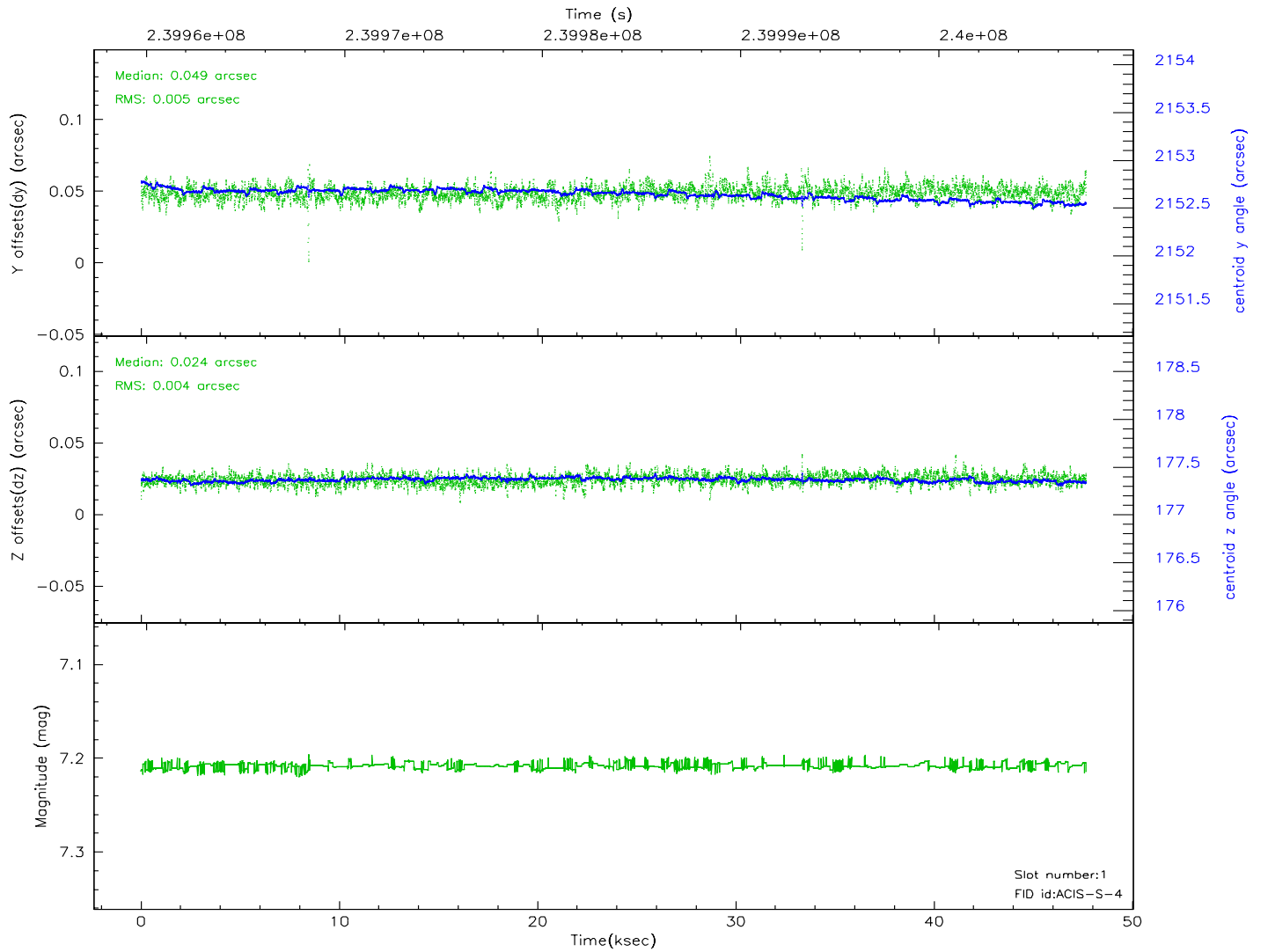
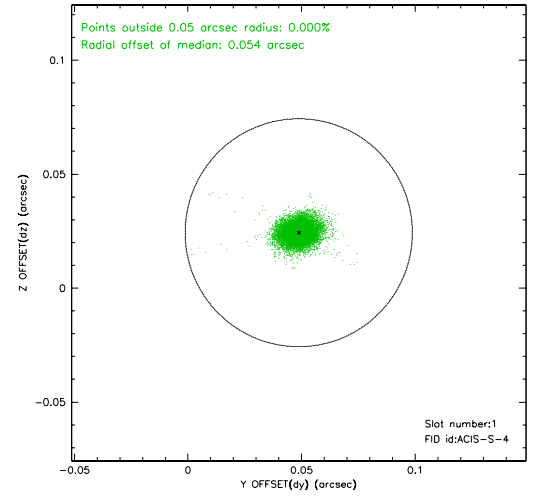
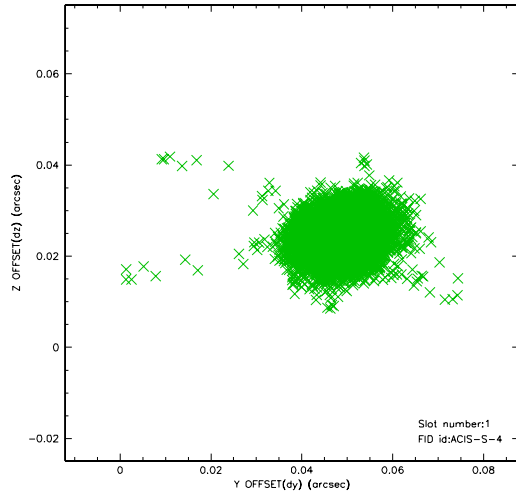


2.5 FID Slots

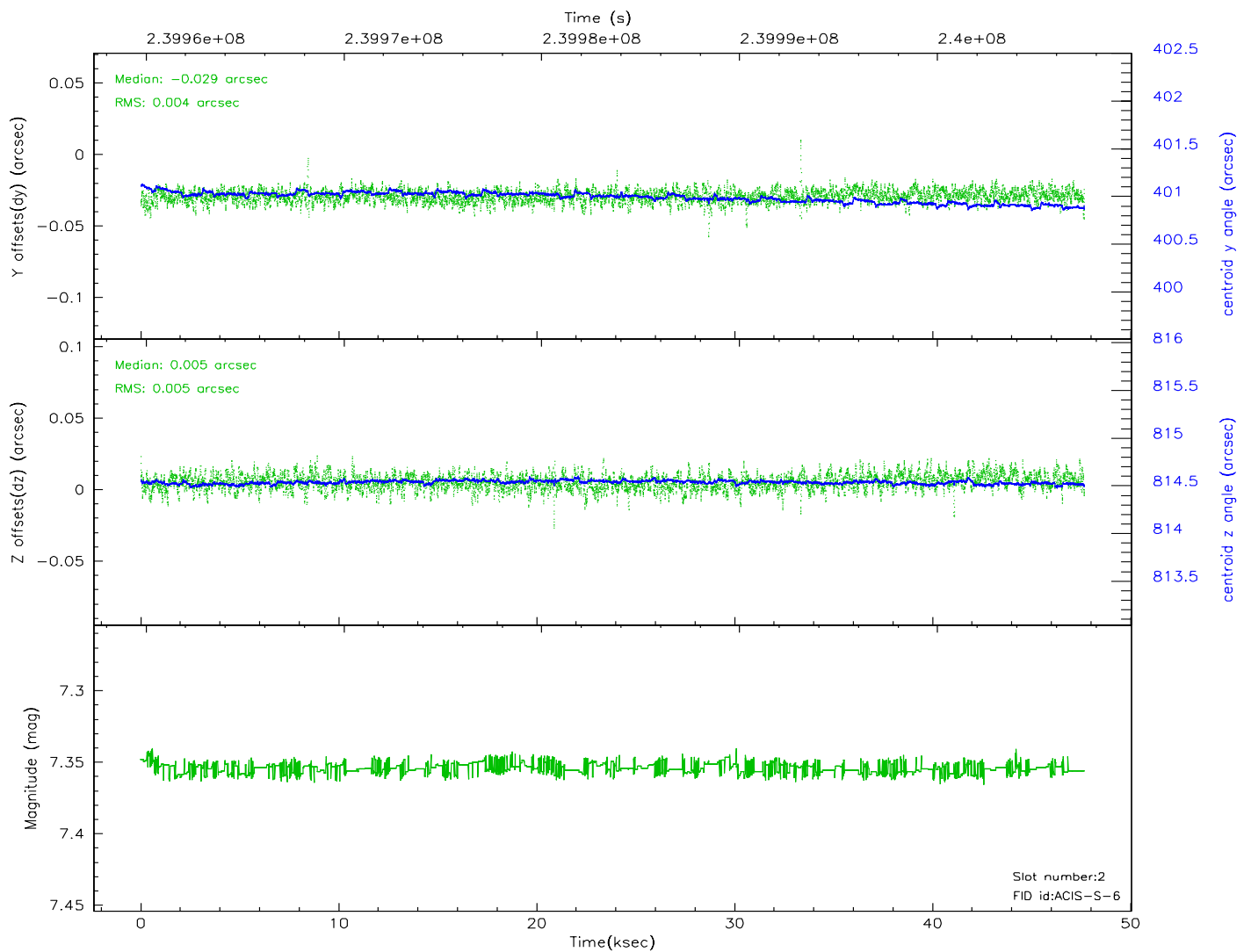
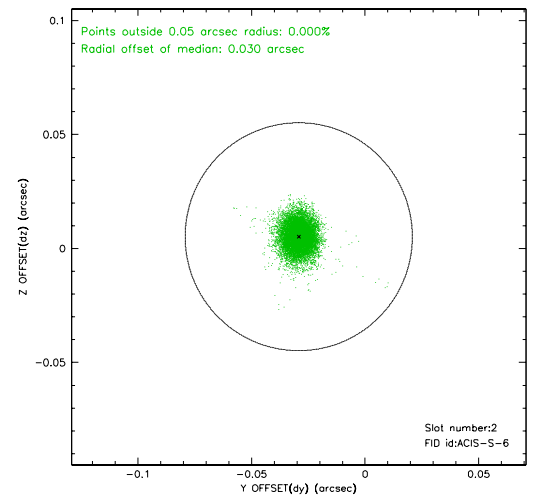
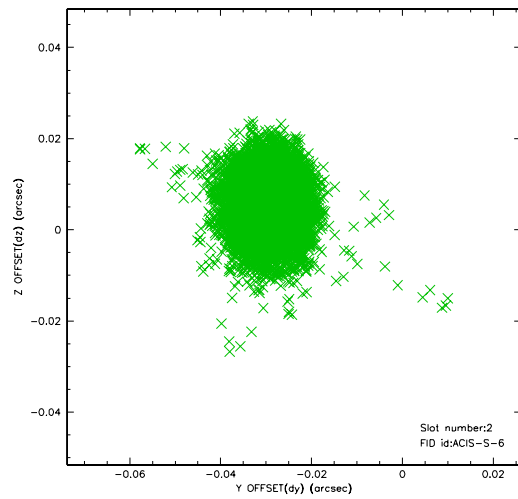
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

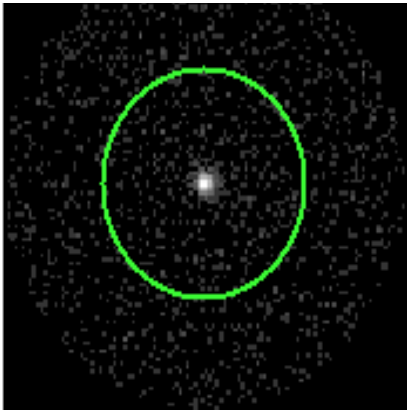


3 Gratings

3.1 HEG Arm



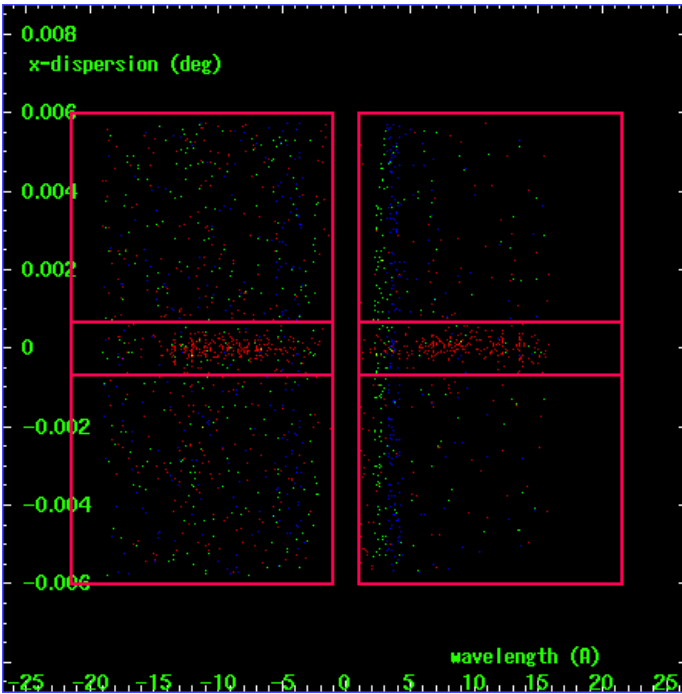
HEG Order Sort 123



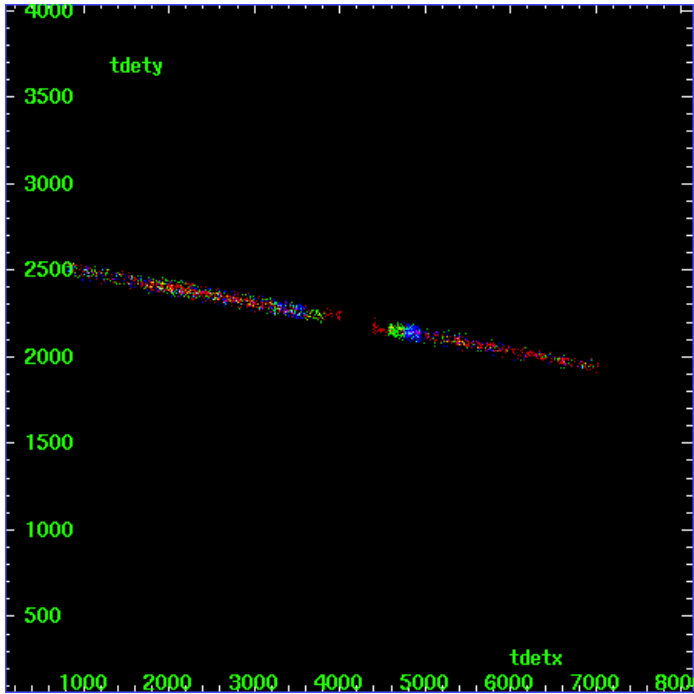
HEG Zero Order



HEG Order Sort ALL

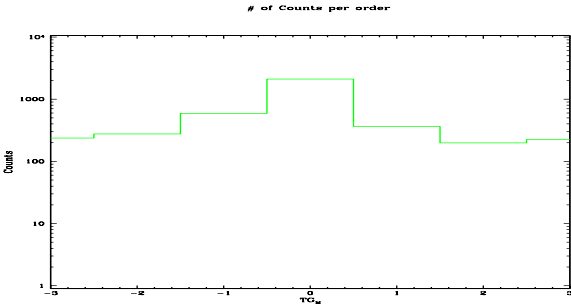


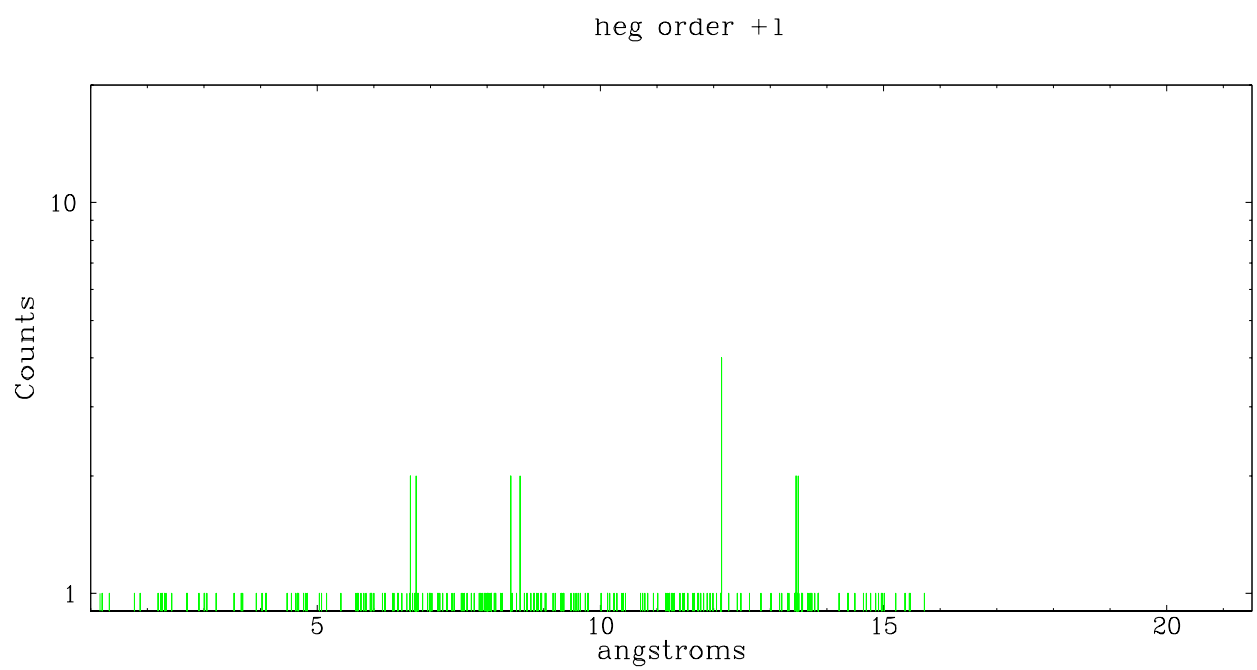
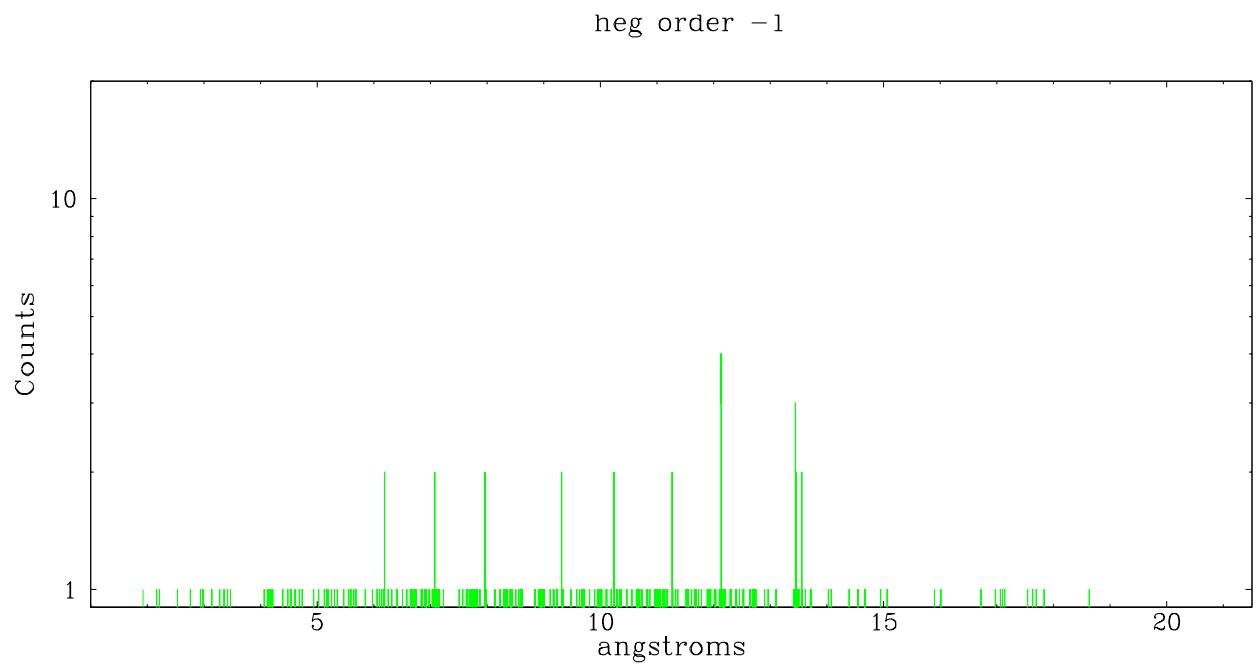
Spot Image HEG



Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	237	277	589	2100	364	198	225

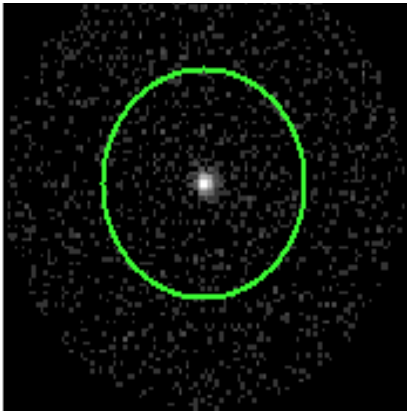




3.2 MEG Arm



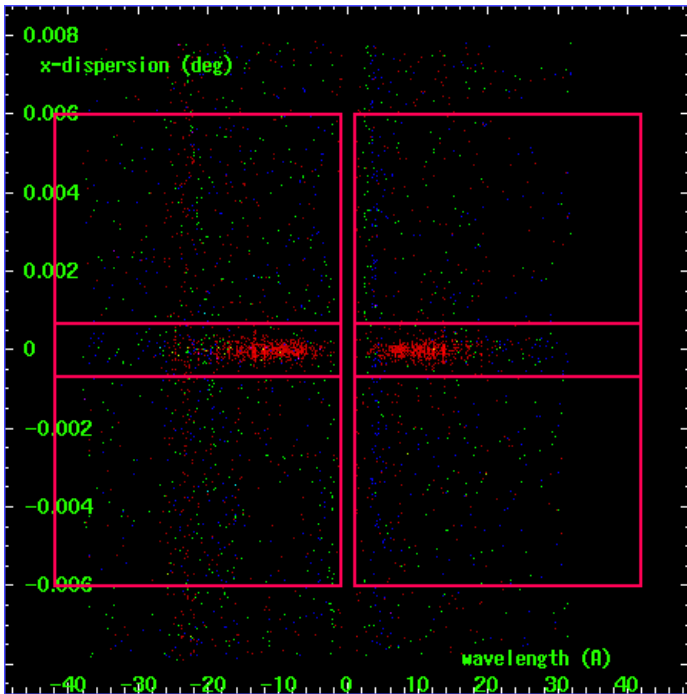
MEG Order Sort 123



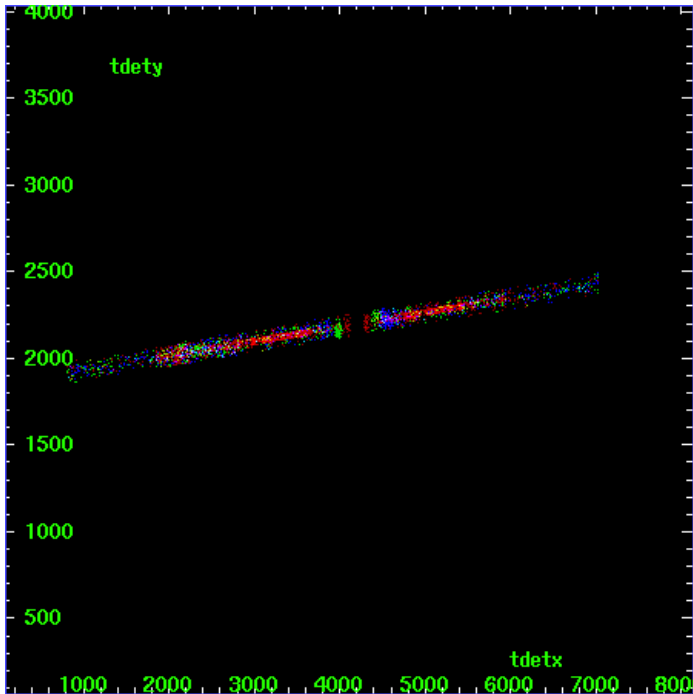
MEG Zero Order



MEG Order Sort ALL

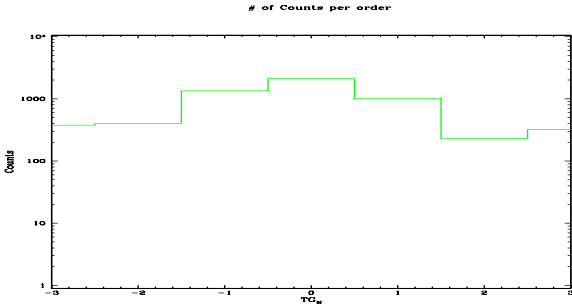


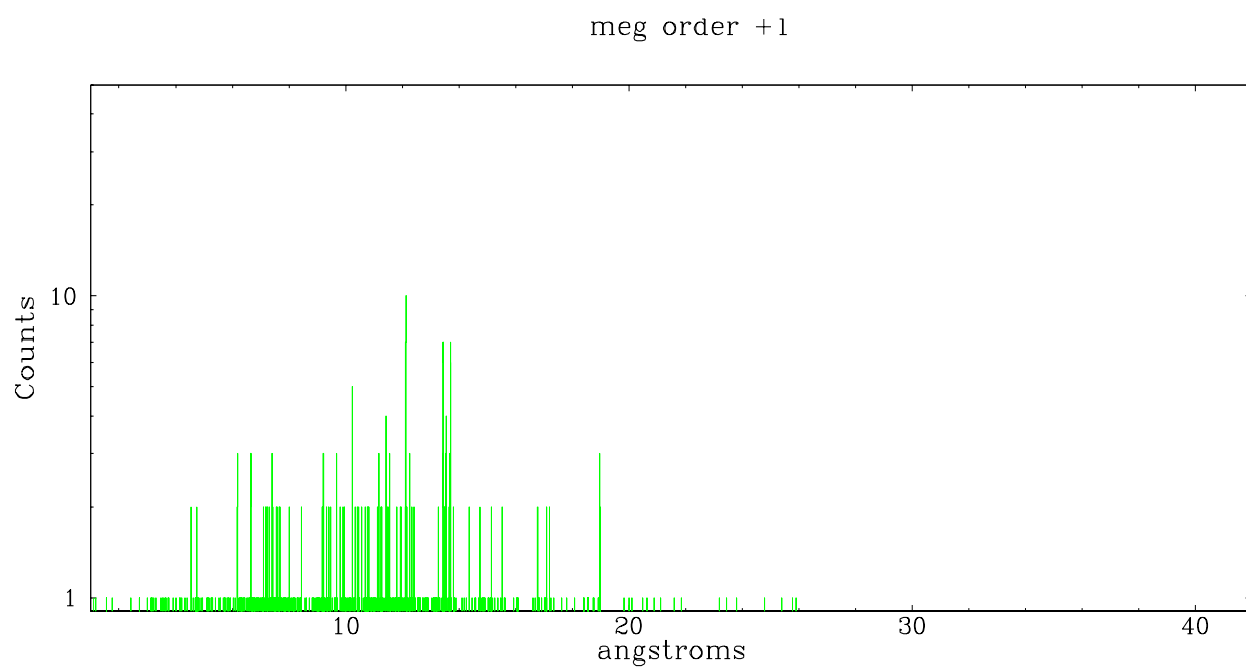
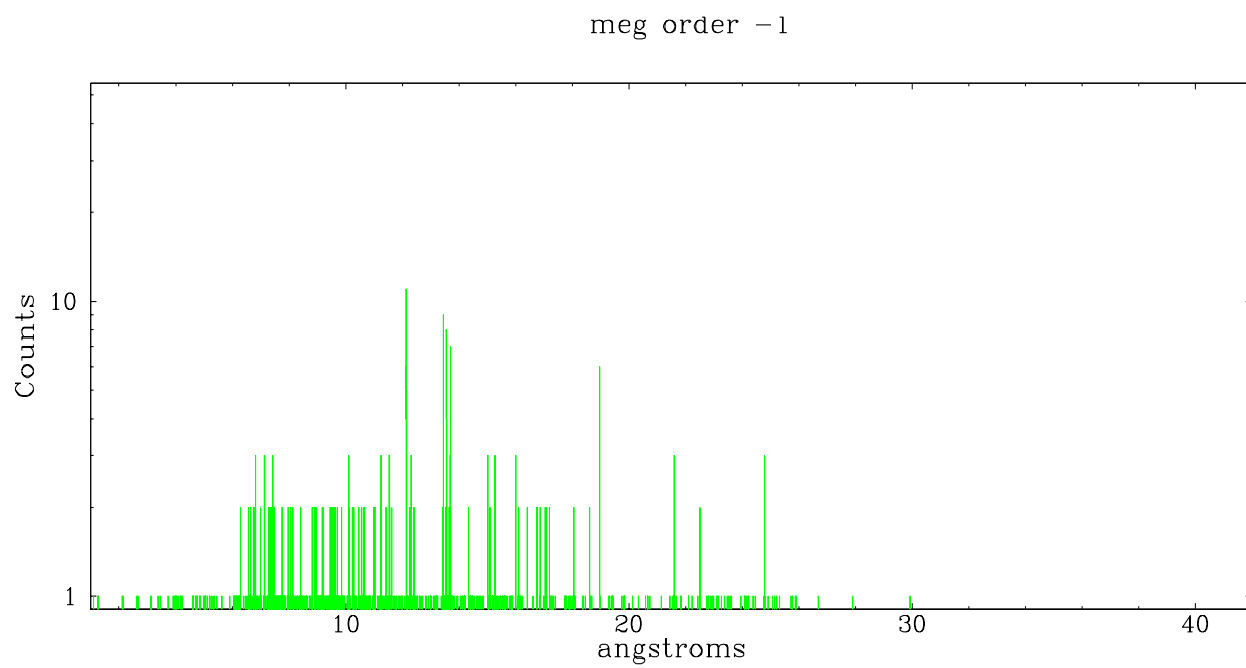
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	376	402	1344	2100	1022	230	321





A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.4576

A.2 Comments

Additional source on same chip, approximately 3 arcmin east of target, also has a dispersed spectrum that intersects the dispersed spectrum of the target. The points of intersection between the dispersed spectra of the two sources will contain some contribution from each source.