

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4623 - L2 Version 001
Chandra X-Ray Center

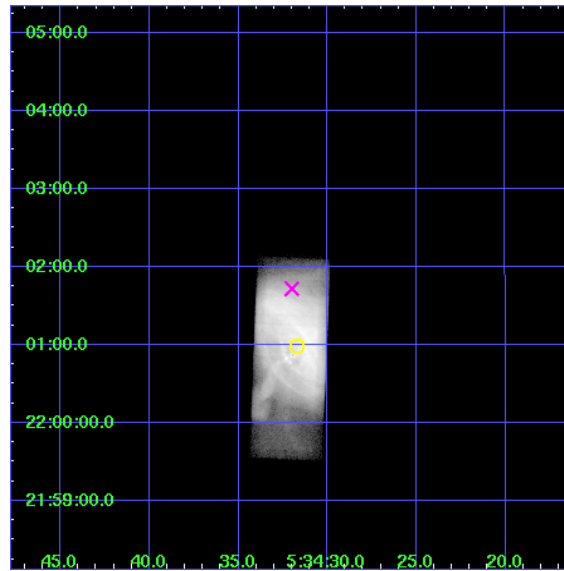
L2 Processing Date : Apr 16 2006

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1 Front

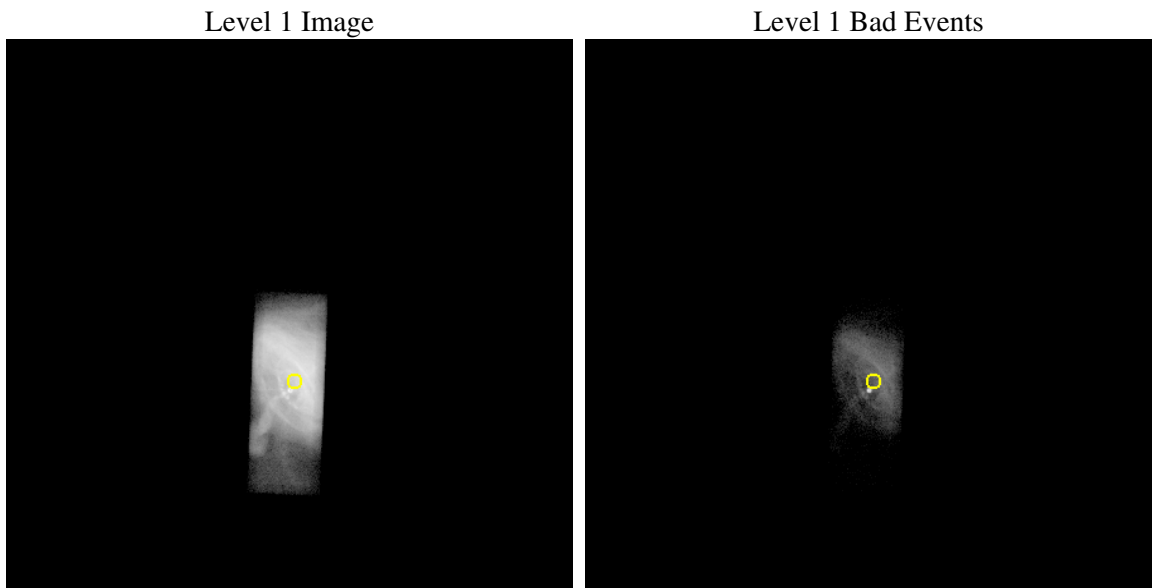
seq_num	500448
obs_id	4623
title	Spectroscopic Study of the Dynamic Shock in the Pulsar Wind of the Crab Nebula
observer	Dr Koji Mori
object	The Crab Nebula
dtcycle	0
cycle	P
ra_targ	83.632083
dec_targ	22.016472
ra_nom	83.633377476255
dec_nom	22.028889983497
roll_nom	92.308765736791
revision	3
ontime	9168.9003643394
livetime	8065.5351551191
ontime7	9168.9003643394
l2events	2238658



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-16T21:39:42
revision	3

sched_exp_time	9000.000000
ontime	10856.897625118
ontime7	10856.897625118
l1events	2389198

2.1.3 Events

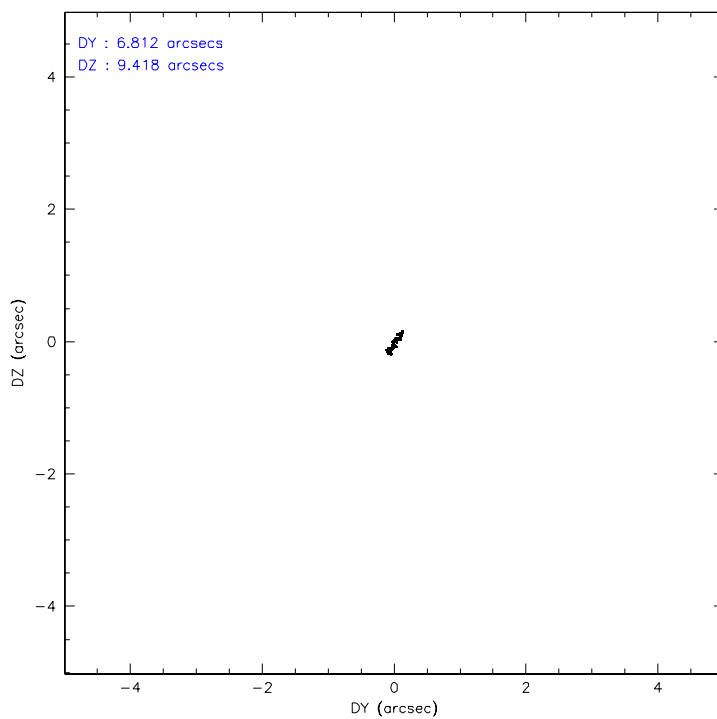
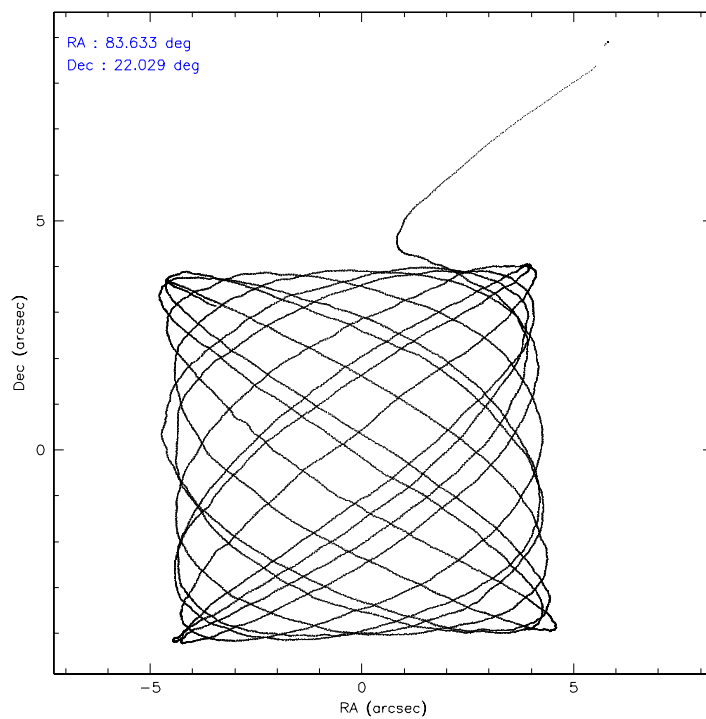
	ccd 7
level 1 events	2389198
rejected events	115891
rejected %	4%

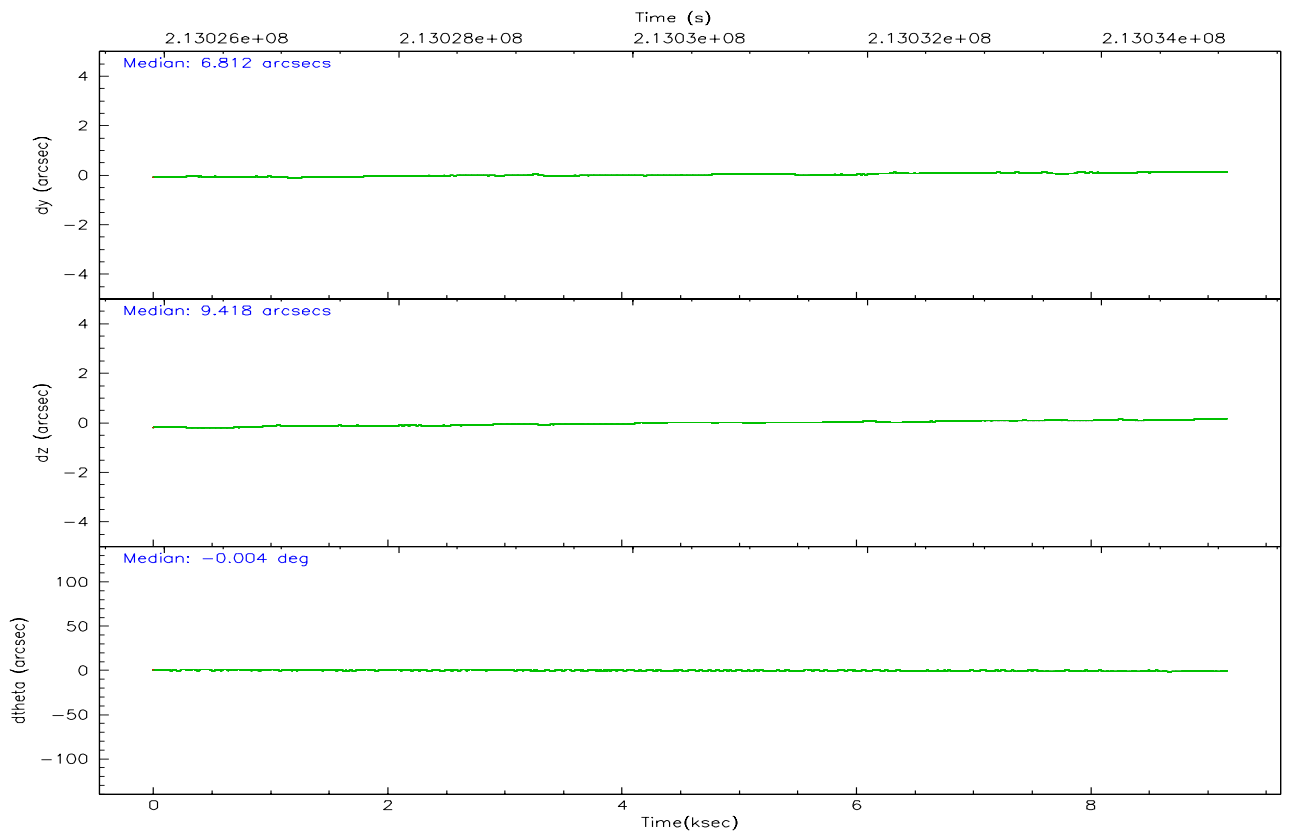
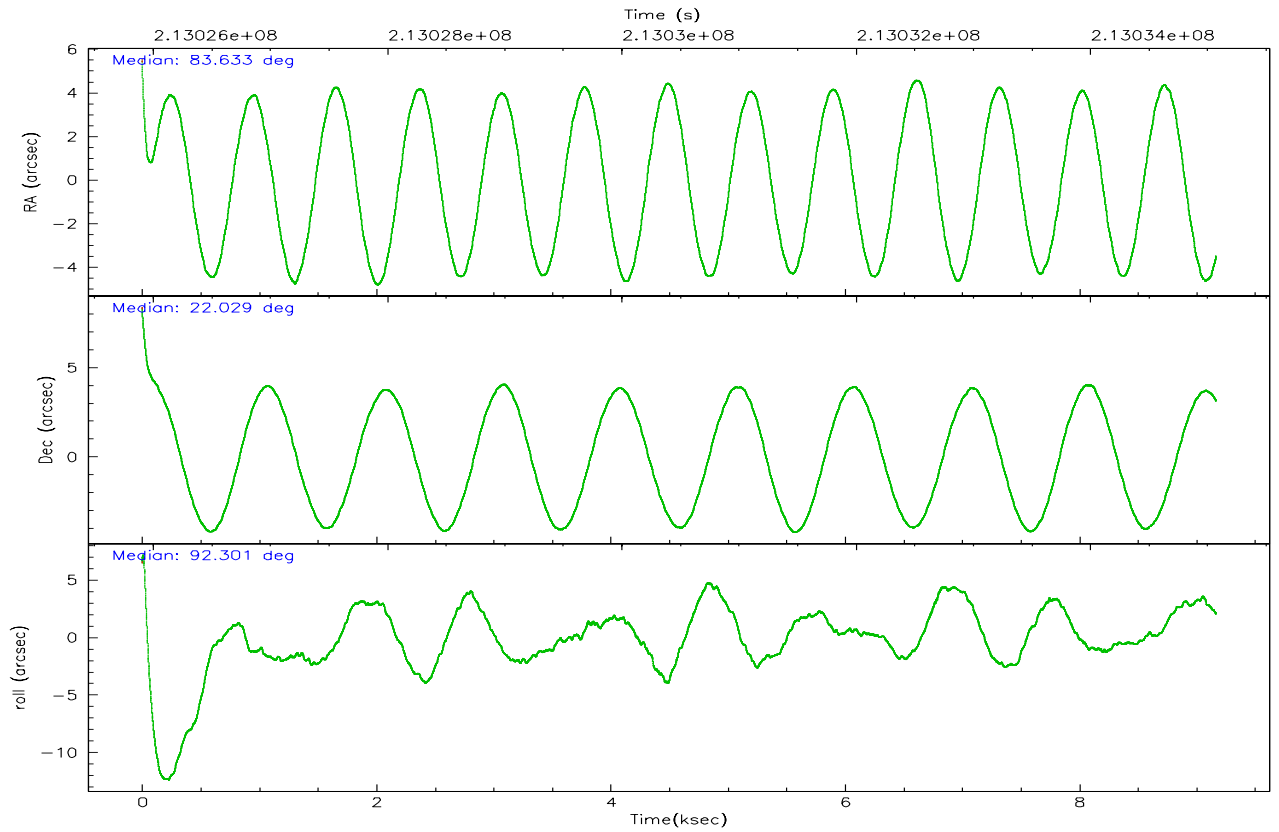
	ccd 7
grade 0 events	455364
	19%
grade 1 events	8482
	0%
grade 2 events	585877
	24%
grade 3 events	260793
	10%
grade 4 events	250608
	10%
grade 5 events	35733
	1%
grade 6 events	749086
	31%
grade 7 events	43255
	1%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	CUSTOM
Pointing RA	83.649417	83.63337747625468	Subarray start row	127	127
Pointing Dec	22.006064	22.02888998349719	Subarray row count	101	101
Pointing Roll	92.146098	92.30876573679079	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.3
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.132523	-182.139514760308			
SIM translation stage offset (mm)	-8	-7.993007822699838			
Observation start time	213026069.184000	213024213.00744			
Observation start date	2004-10-01T13:53:25	2004-10-01T13:23:33			
Observation end time	213035069.184000	213035765.78295			
Observation end date	2004-10-01T16:23:25	2004-10-01T16:36:05			
Read mode	TIMED	TIMED			

2.3 Aspect



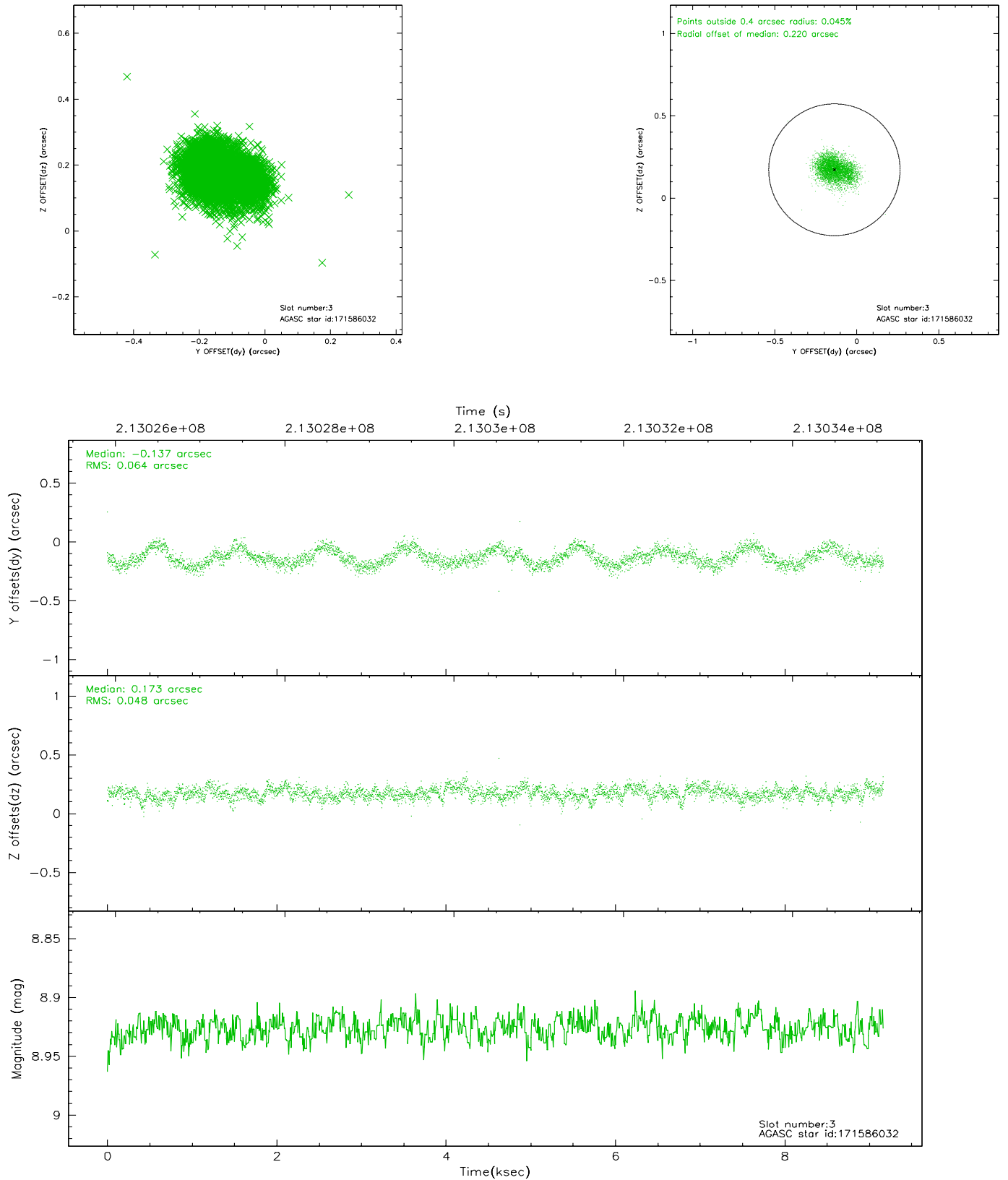


Slot Statistics

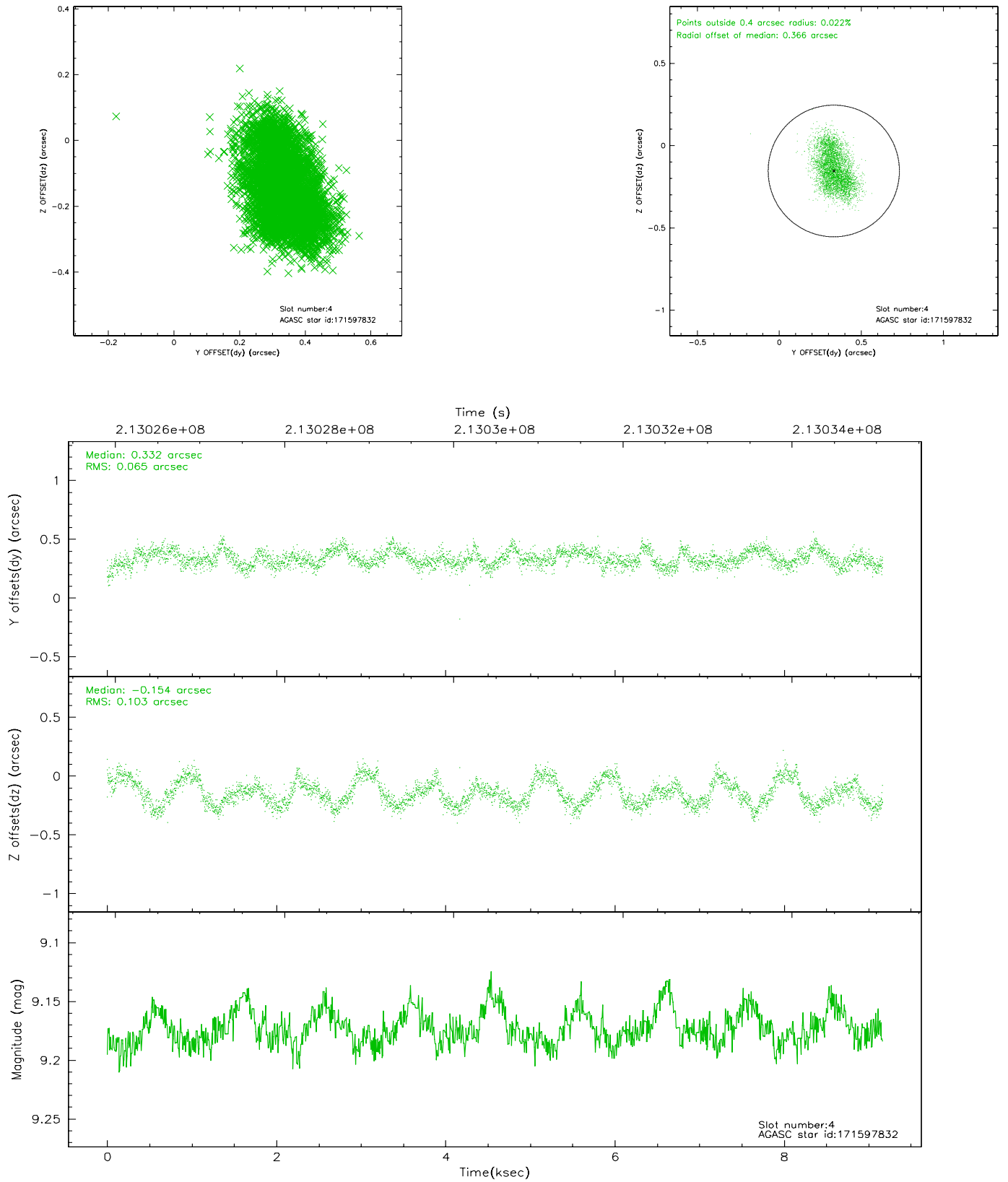
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2237	-0.064	-0.077	0.007	0.012	0.000000	0.000000	-759.07	-1895.36
1	FID	ACIS-S-4	7.18	2237	0.078	0.051	0.005	0.010	0.000000	0.000000	2154.09	12.53
2	FID	ACIS-S-5	7.23	2237	-0.045	0.034	0.007	0.012	0.000000	0.000000	-1811.12	6.88
3	GUIDE	171586032	8.93	4473	-0.137	0.173	0.085	0.135	83.950197	22.083225	241.11	-1012.77
4	GUIDE	171597832	9.17	4473	0.332	-0.154	0.130	0.205	83.183230	21.366702	-2238.99	1647.47
5	GUIDE	171721904	9.19	4474	-0.144	0.282	0.120	0.180	84.272676	22.116922	324.97	-2091.45
6	GUIDE	243941560	8.31	4470	-0.201	0.161	0.061	0.099	83.733264	22.568598	2013.28	-354.22
7	GUIDE	171600224	9.62	4469	0.145	-0.463	0.210	0.341	82.941815	21.636094	-1236.56	2415.35

2.4 Star Slots

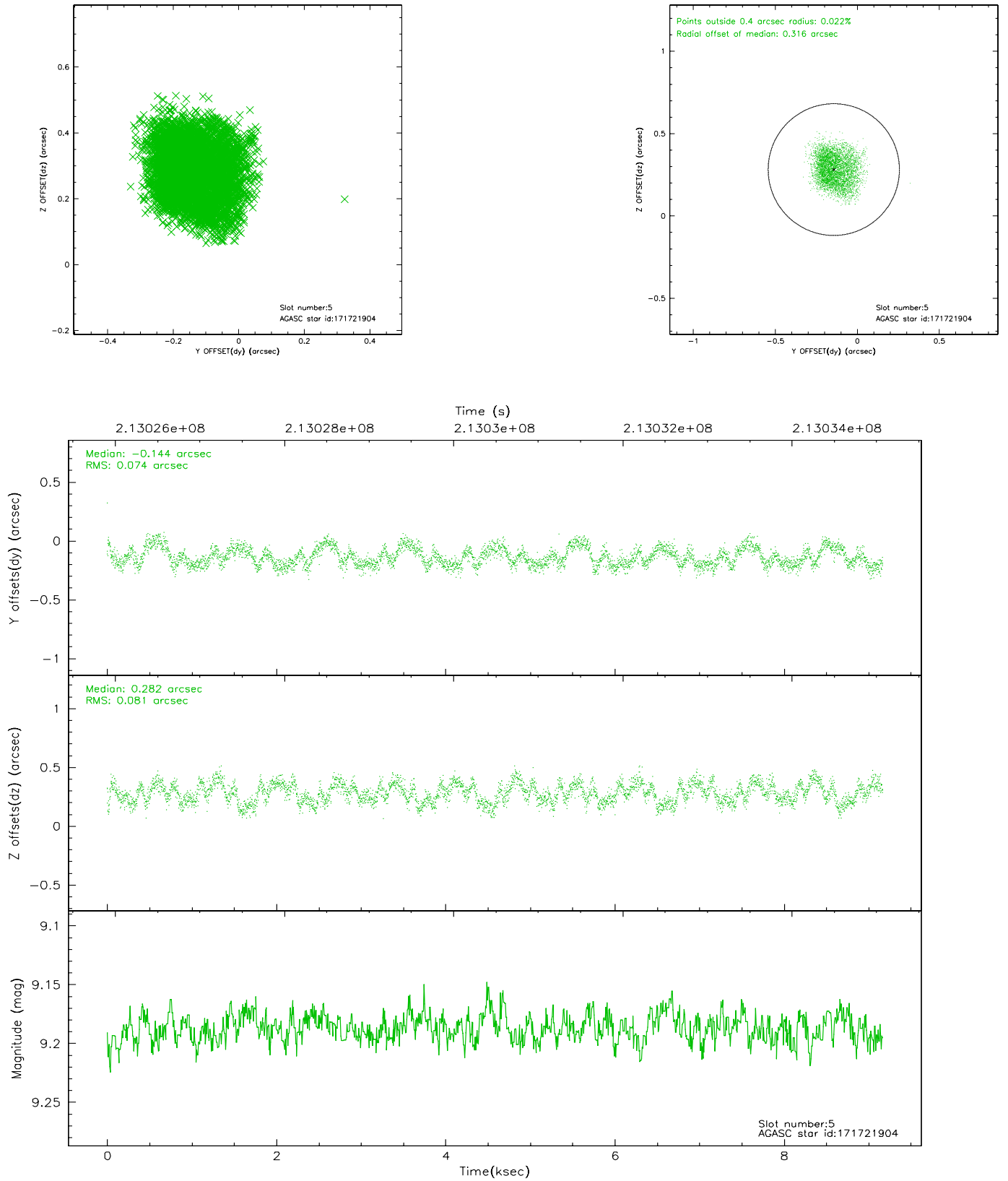
2.4.1 Slot 3



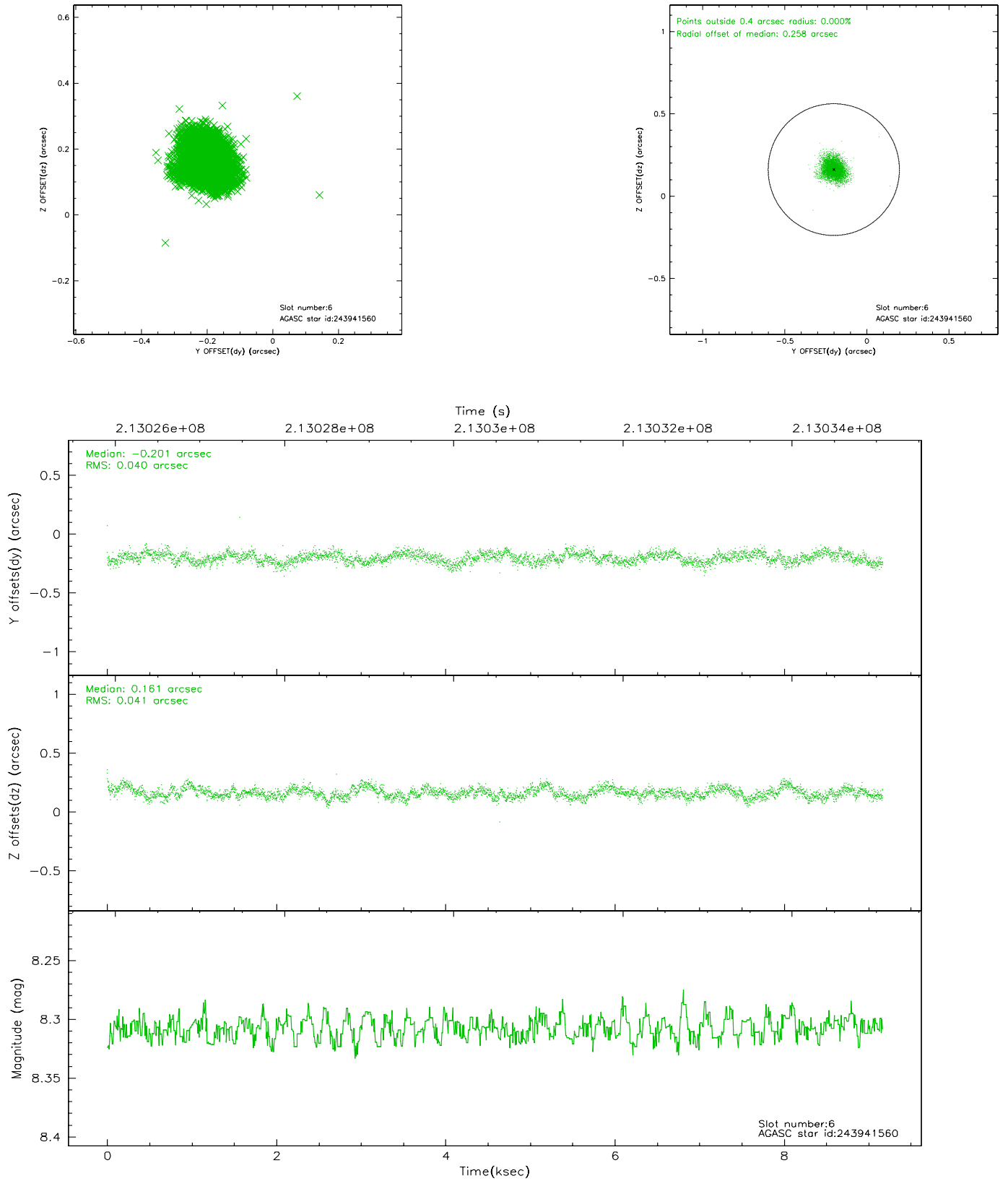
2.4.2 Slot 4



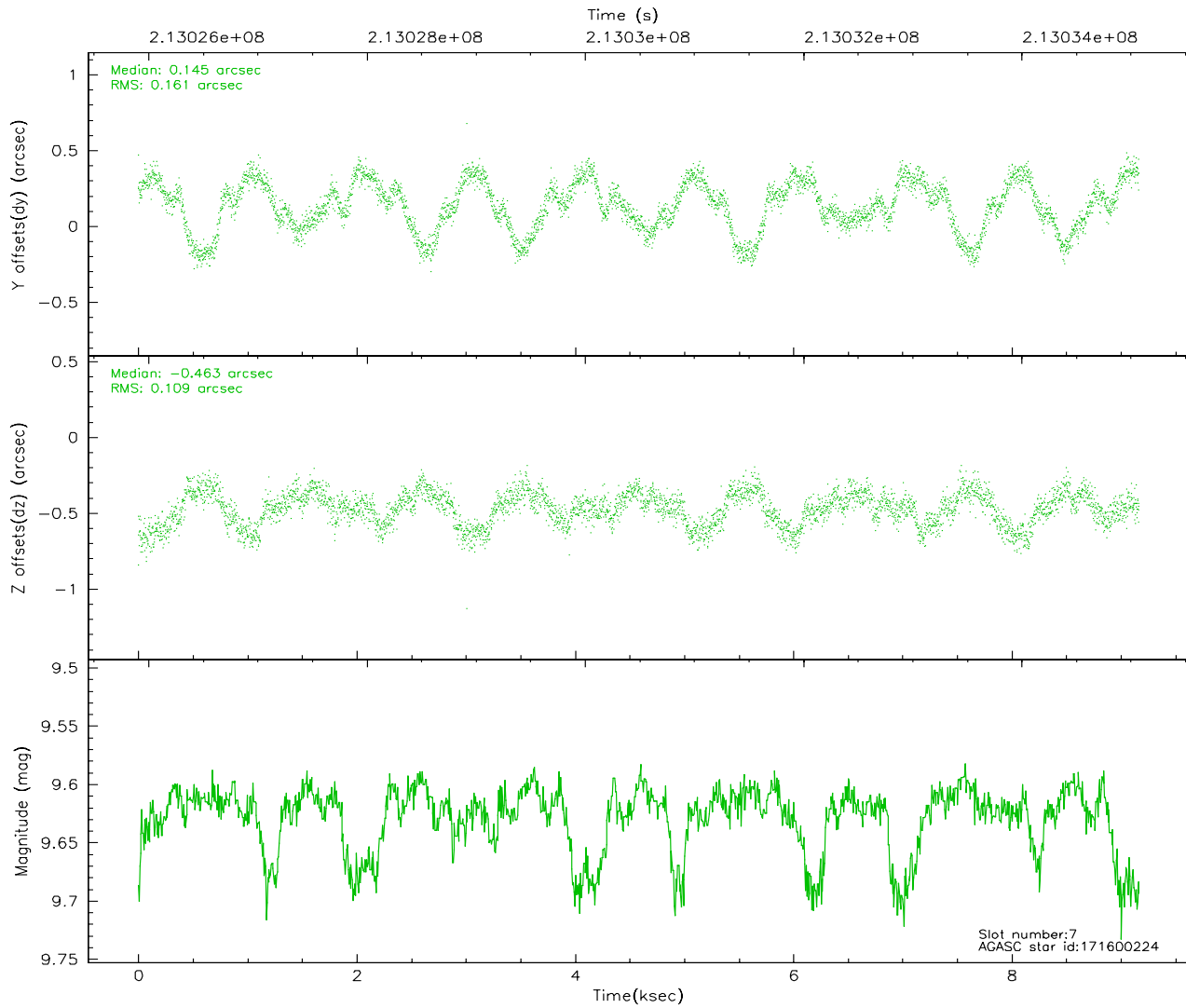
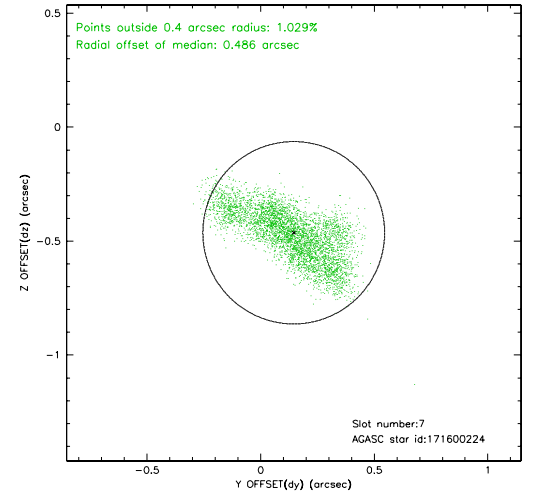
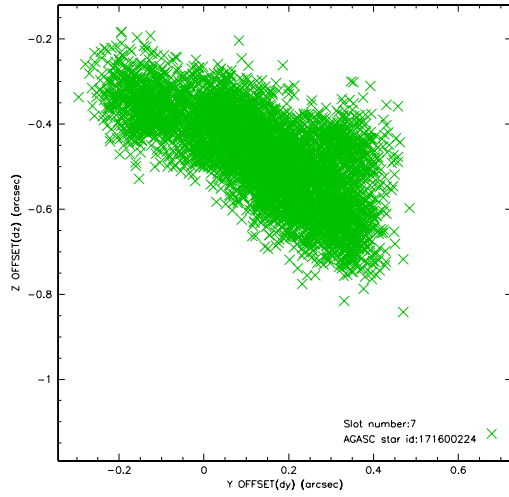
2.4.3 Slot 5



2.4.4 Slot 6

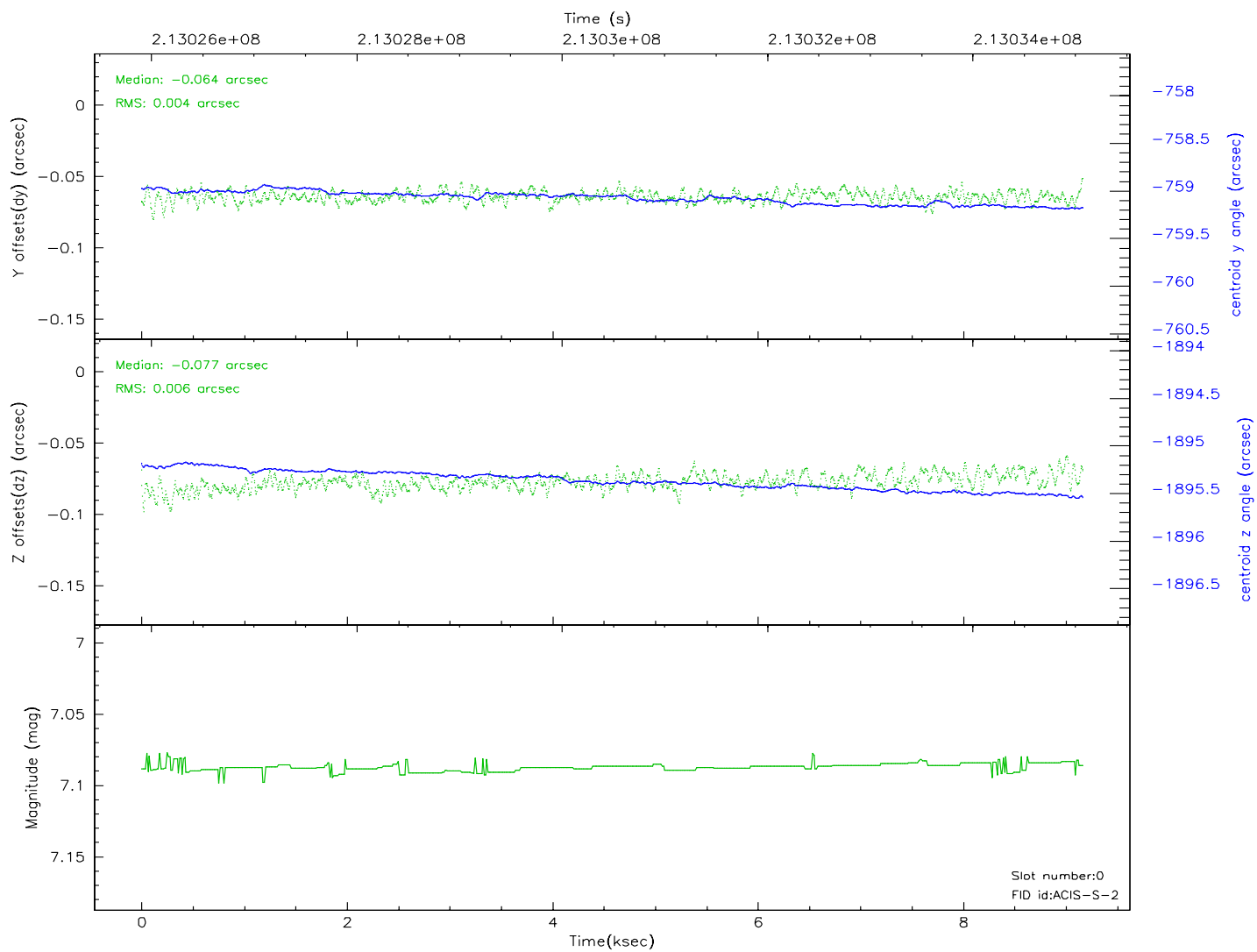
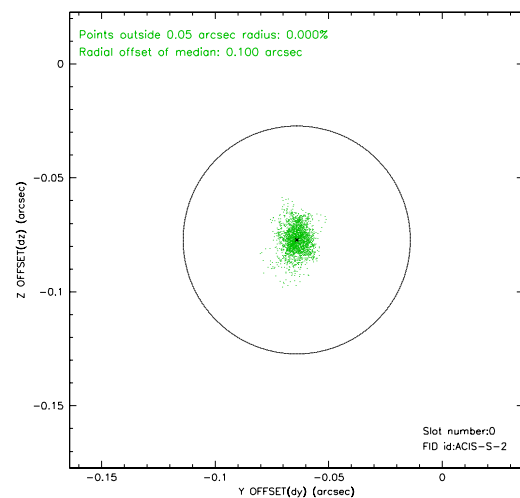
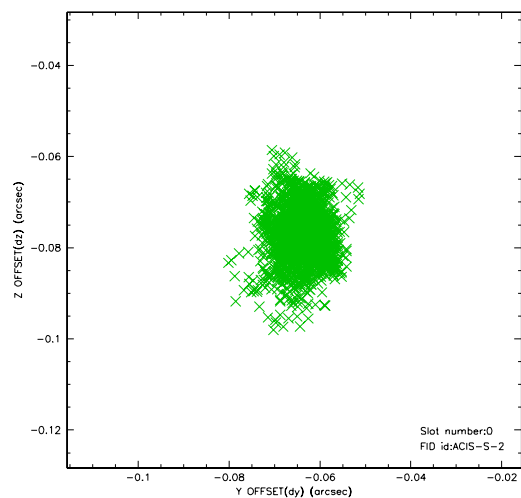


2.4.5 Slot 7

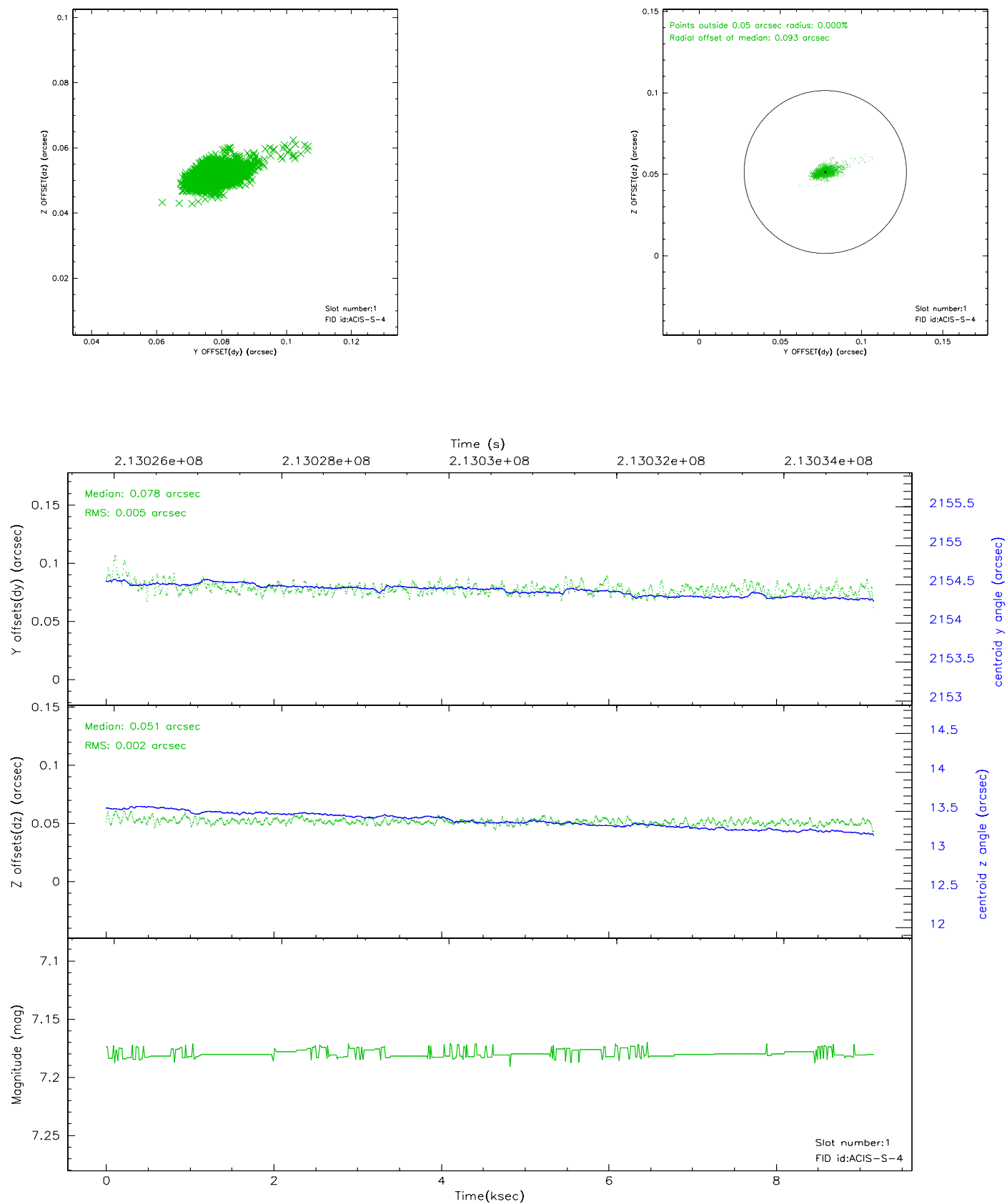


2.5 FID Slots

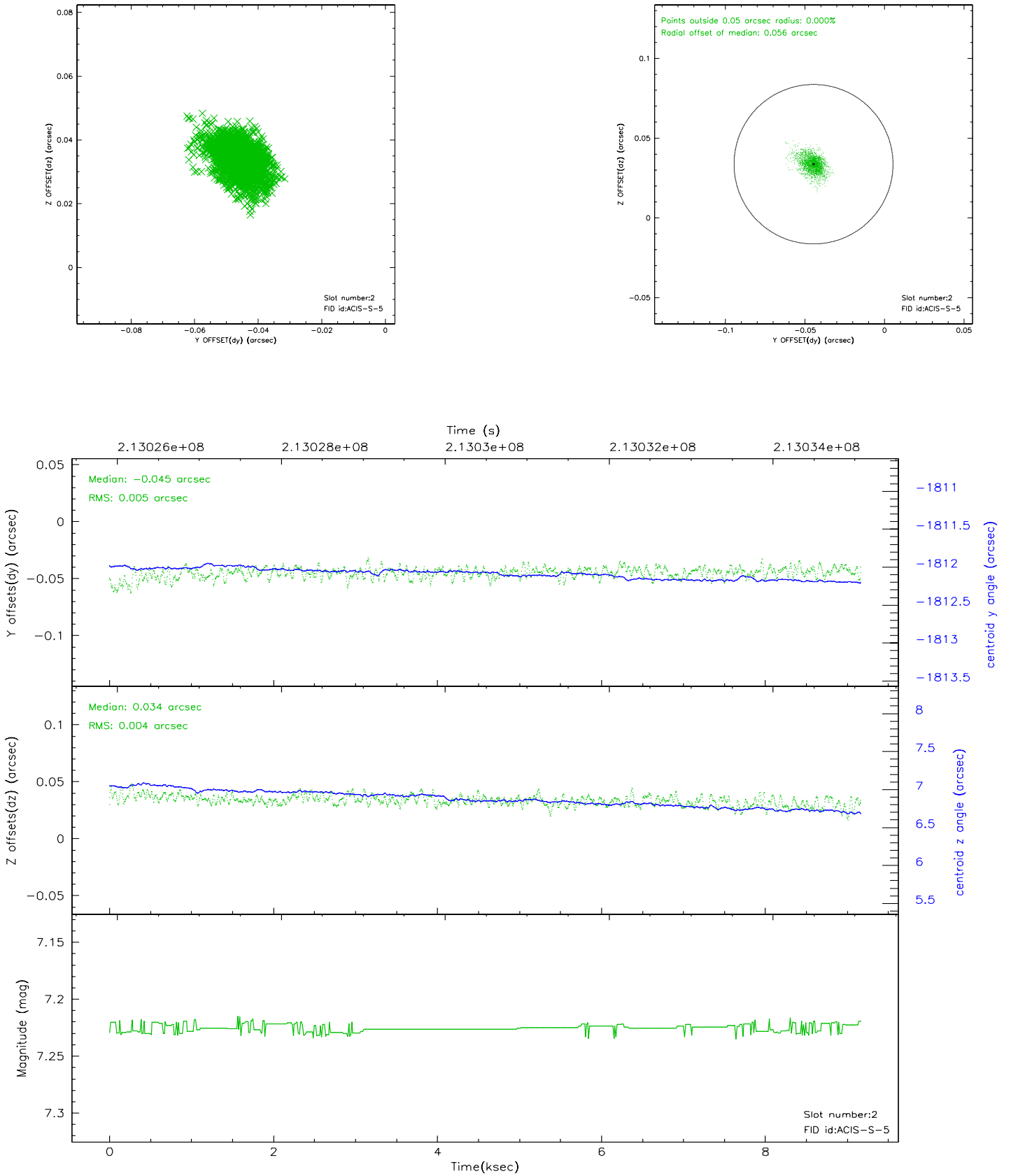
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

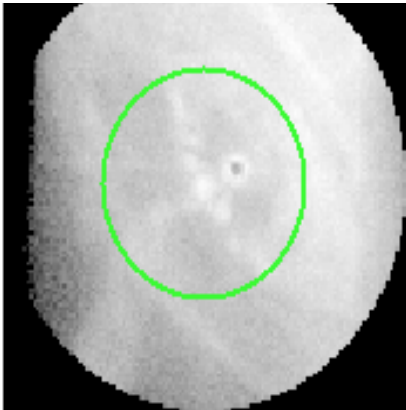


3 Gratings

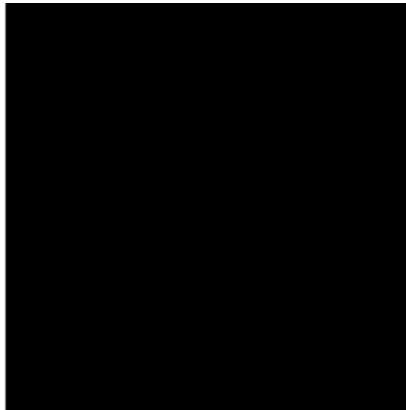
3.1 HEG Arm



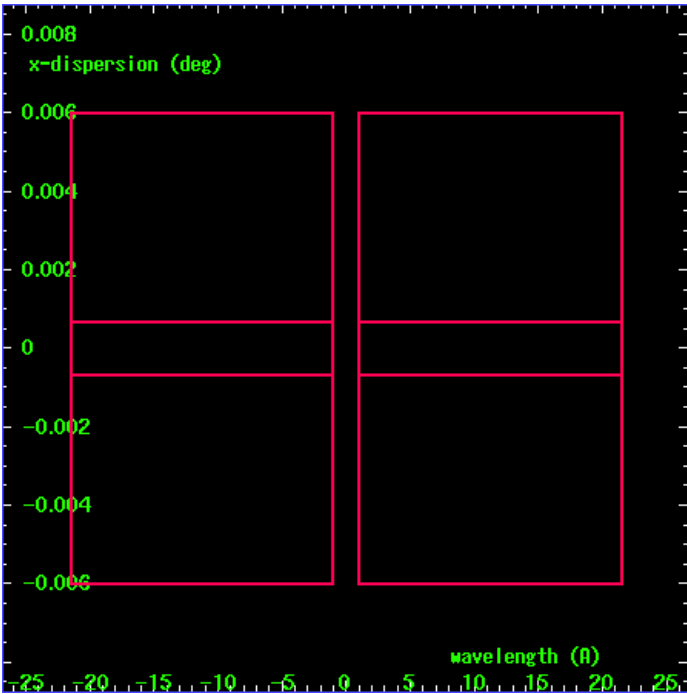
HEG Order Sort 123



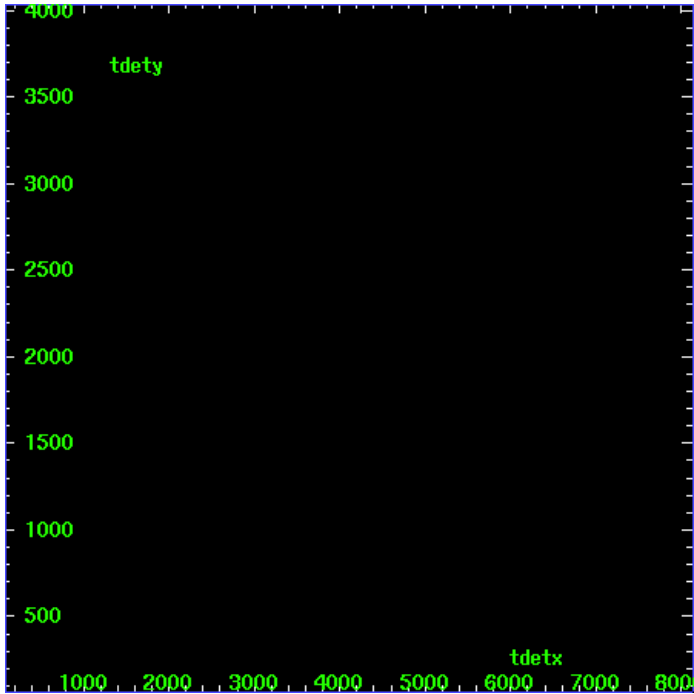
HEG Zero Order



HEG Order Sort ALL

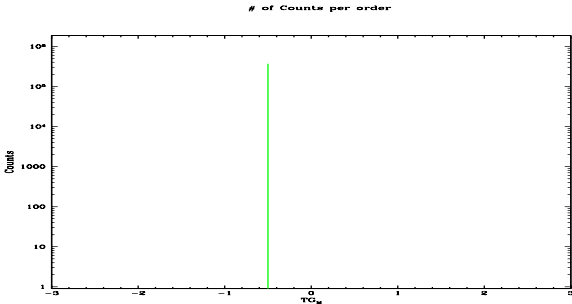


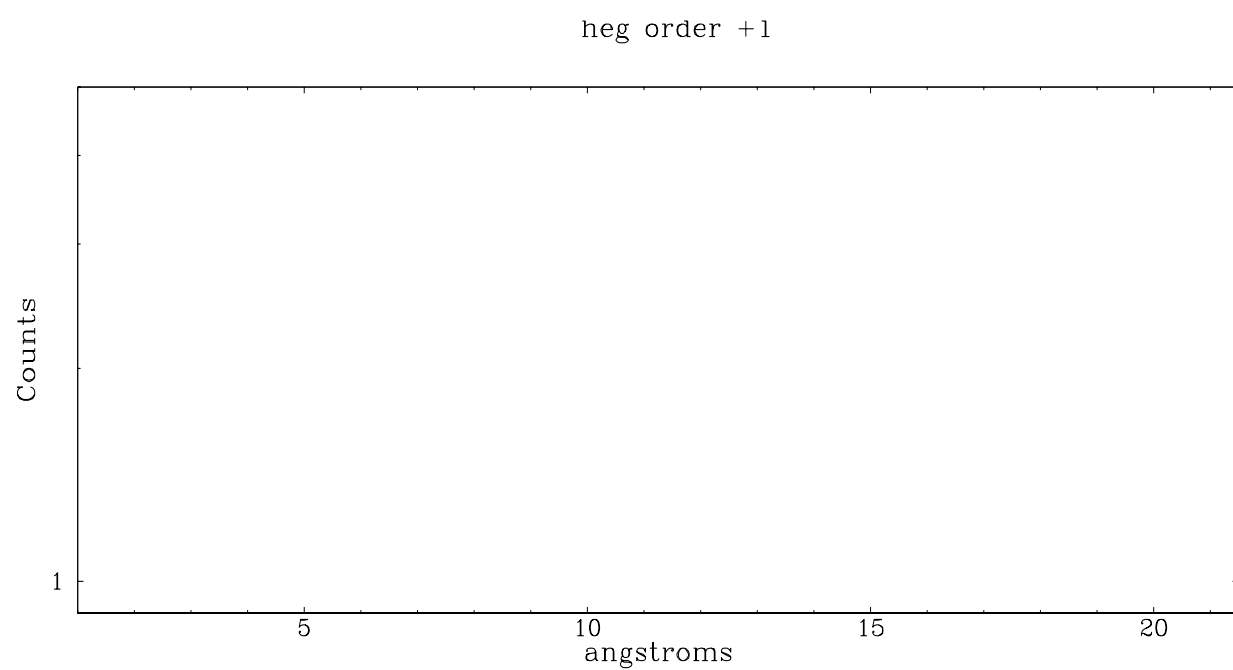
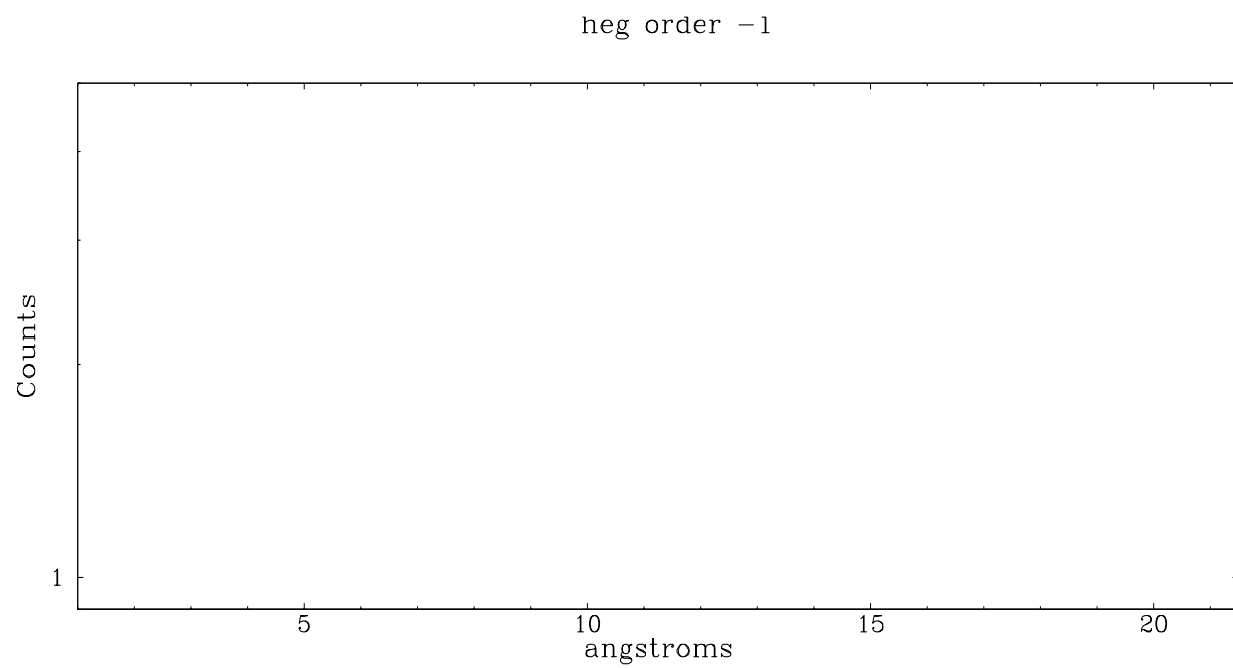
Spot Image HEG



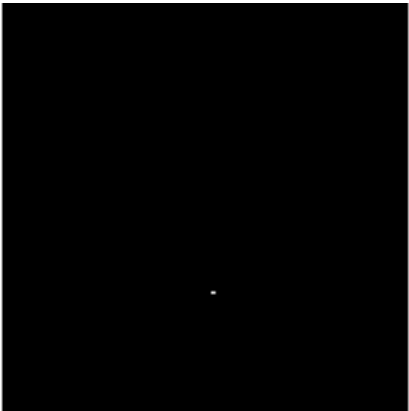
Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	0	0	0	370357	0	0	0

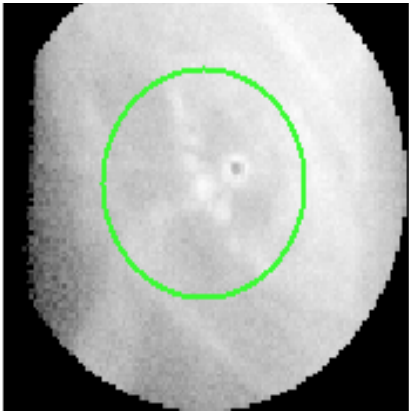




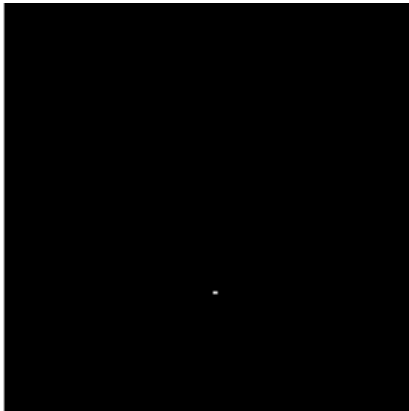
3.2 MEG Arm



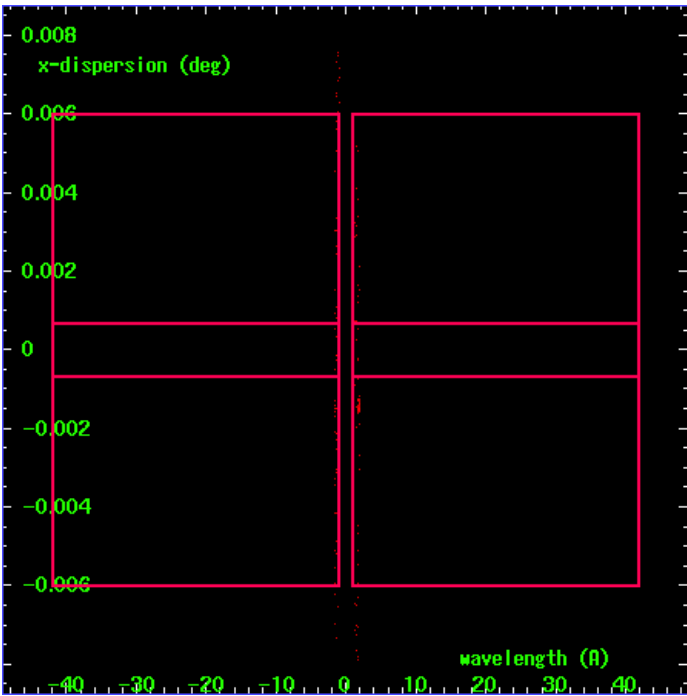
MEG Order Sort 123



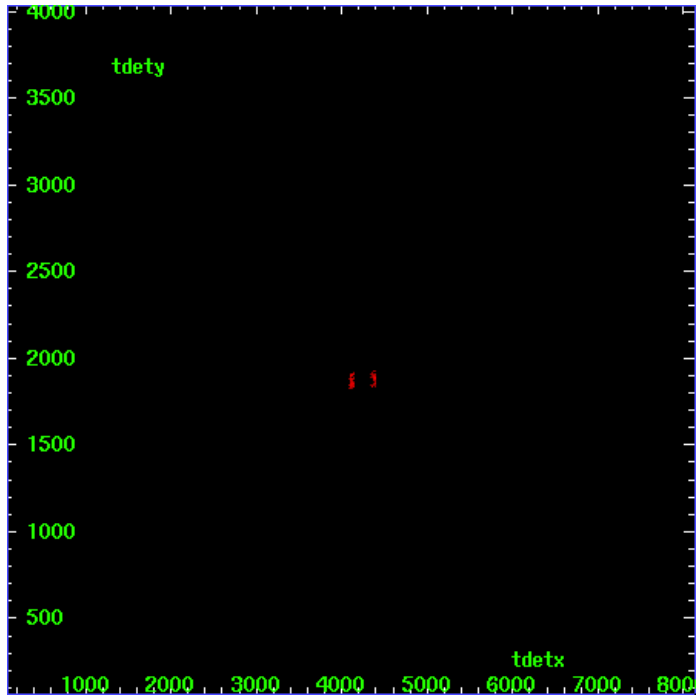
MEG Zero Order



MEG Order Sort ALL

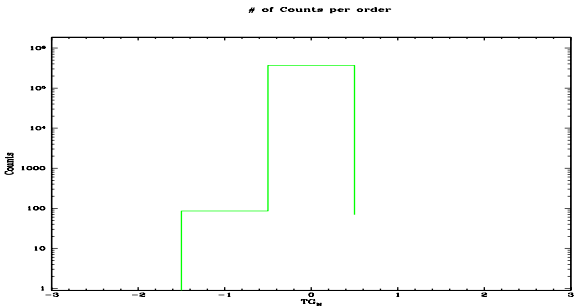


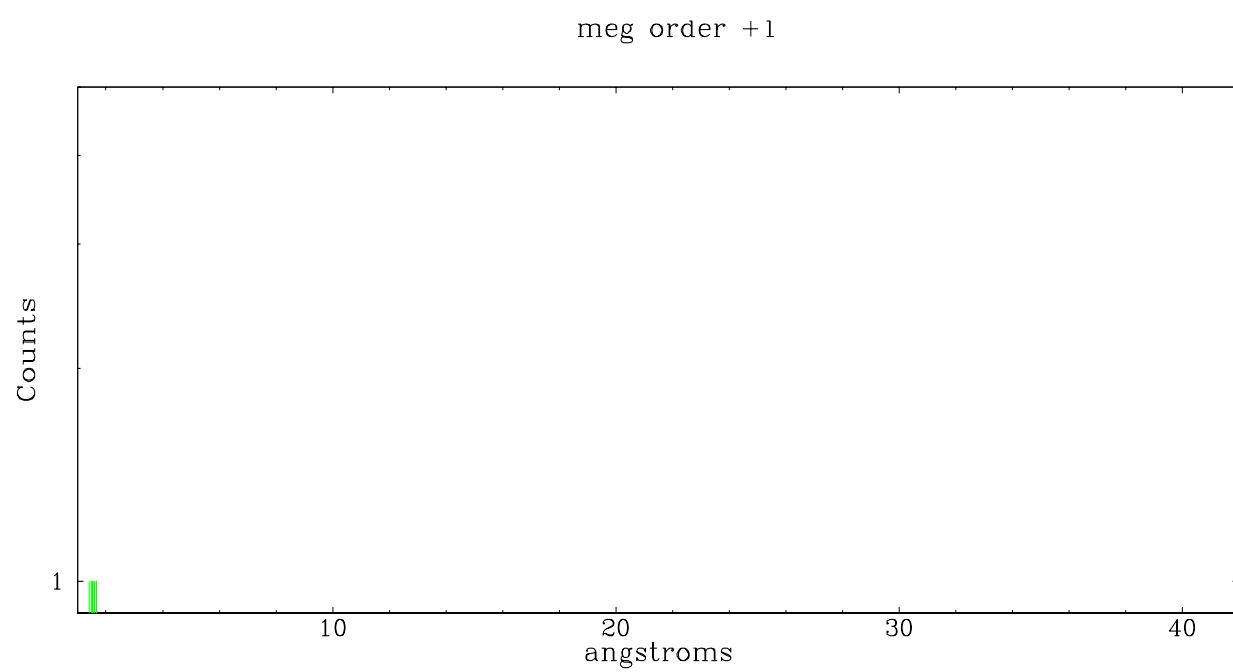
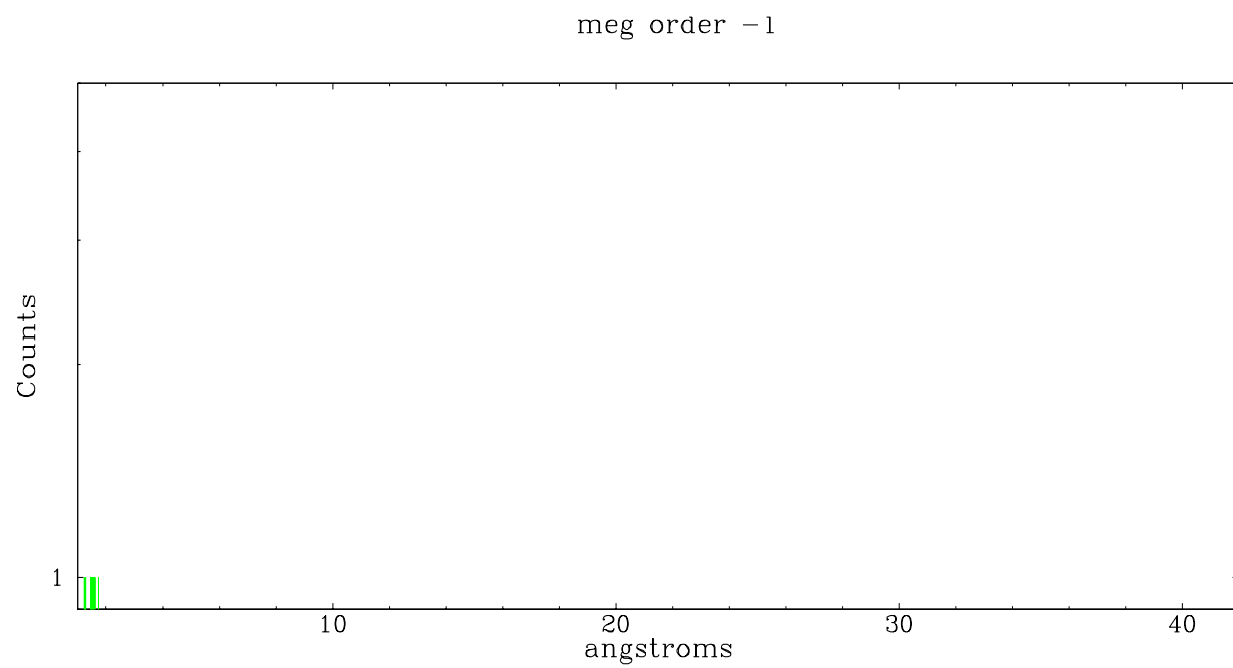
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	0	0	86	370357	69	0	0





A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.168

A.2 Comments