

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2757 - L2 Version 001
Chandra X-Ray Center

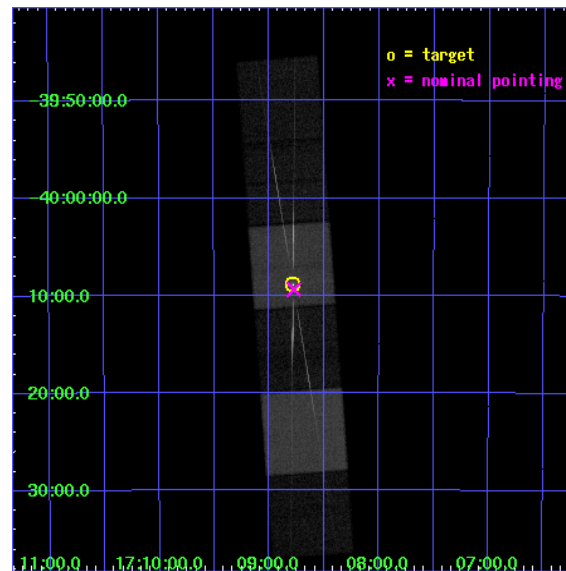
L2 Processing Date : Oct 6 2006

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1 Front

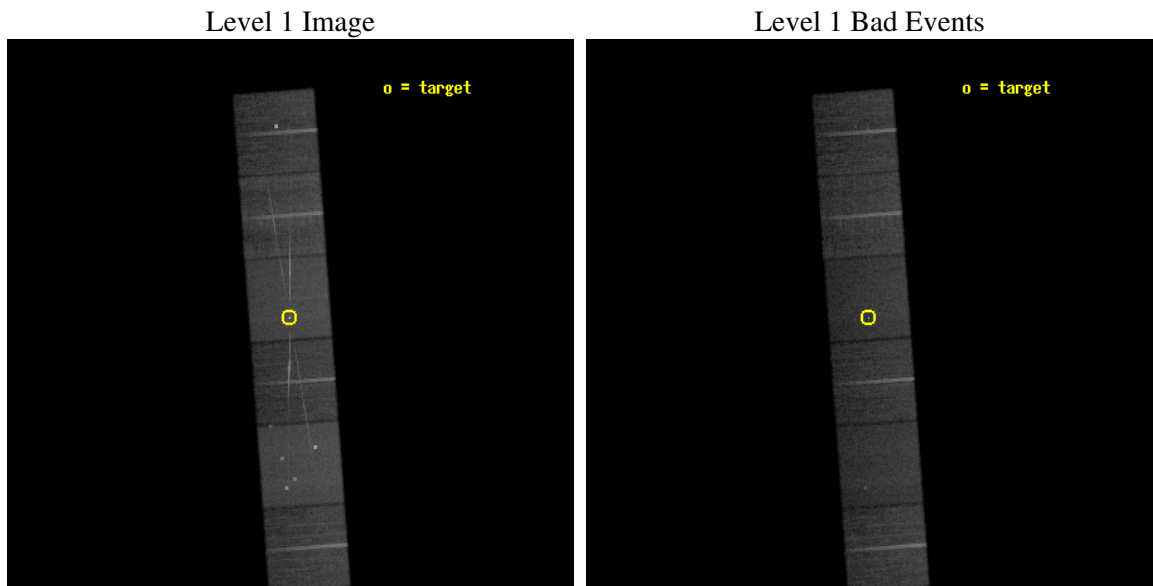
seq_num	500207
obs_id	2757
title	QUIESCENT RADIATION FROM MAGNETARS
observer	Professor Gordon Garmire
object	RXJ J1708-4009
dtcycle	0
cycle	P
ra_targ	257.196667
dec_targ	-40.1475
ra_nom	257.19354640506
dec_nom	-40.156373801366
roll_nom	265.72738851219
revision	2
ontime	32057.599880576
livetime	31651.667248119
ontime4	32057.599880576
ontime5	32057.599880576
ontime6	32057.599880576
ontime7	32057.599880576
ontime8	32054.358890414
ontime9	32057.599880576
l2events	343741



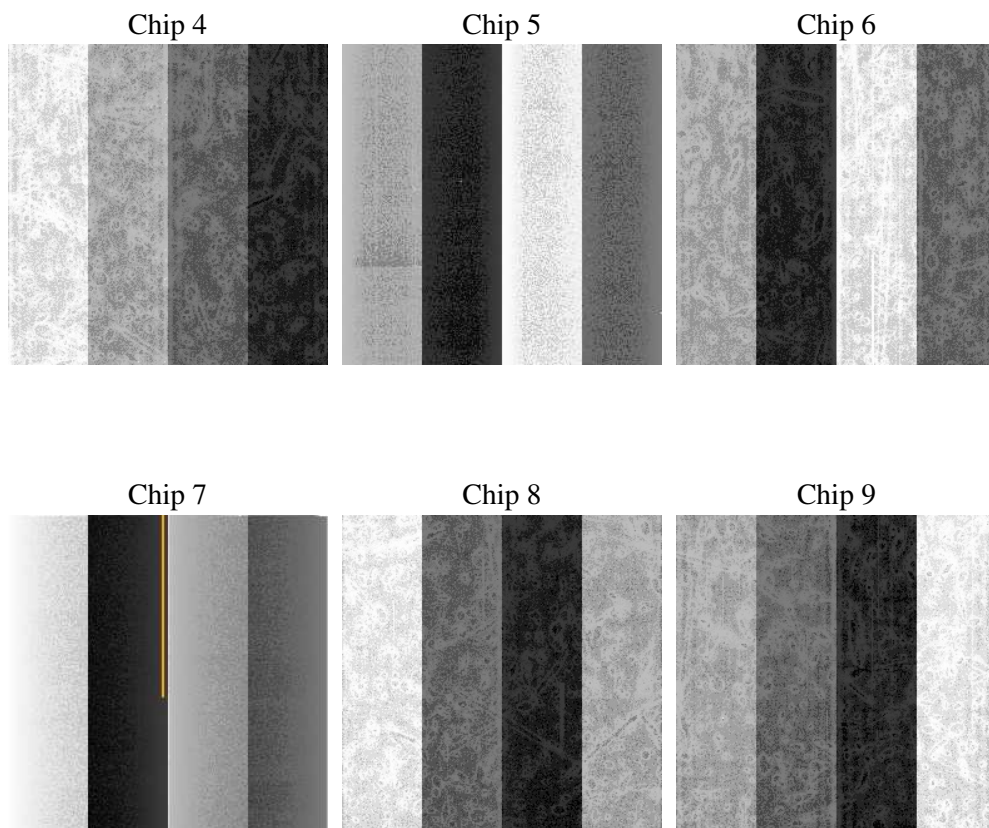
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-03T00:15:11
revision	2

sched_exp_time	32100.000000
ontime	32063.219354481
ontime4	32063.219354481
ontime5	32063.219374359
ontime6	32063.219354481
ontime7	32063.219354481
ontime8	32059.978364319
ontime9	32063.219354481
l1events	1462627

2.1.4 Events

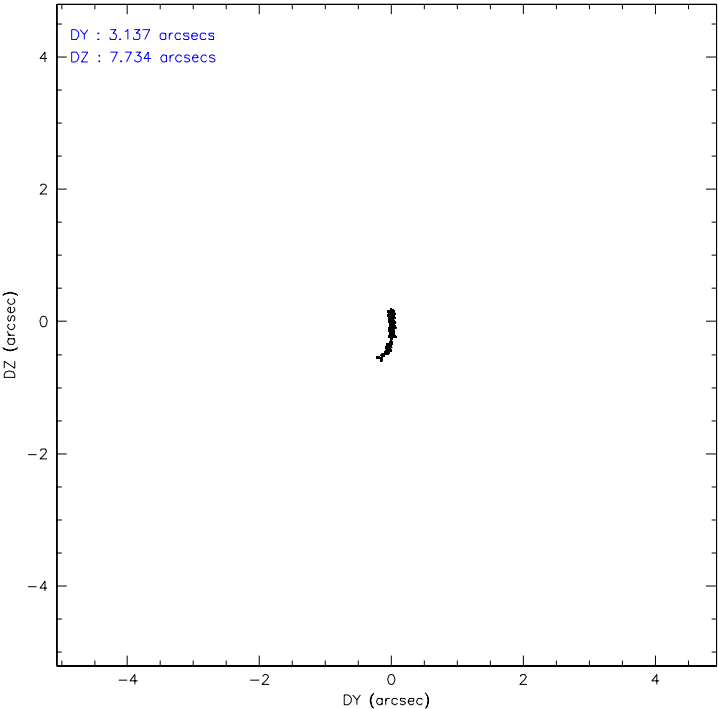
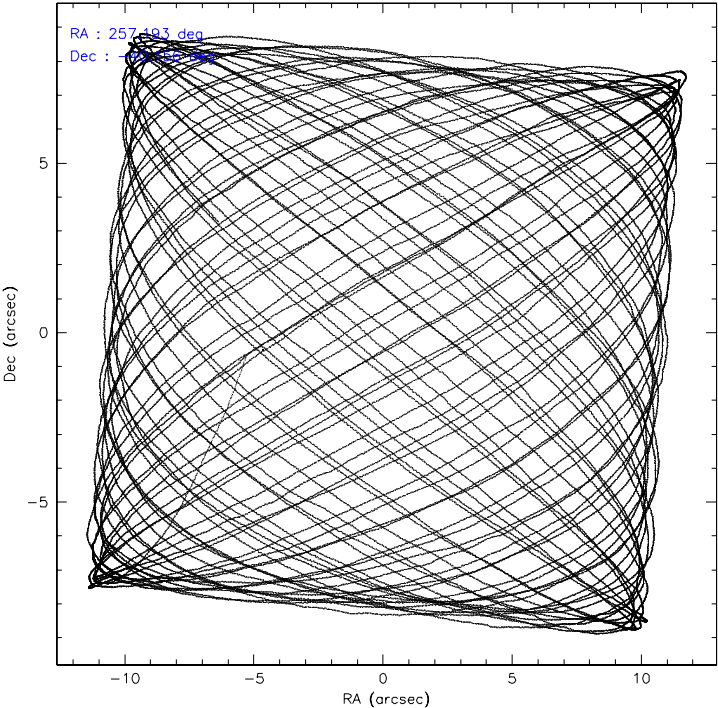
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	220090	288570	210800	282912	258403	201852
rejected events	193832	157596	171547	162554	196102	170633
rejected %	88%	54%	81%	57%	75%	84%

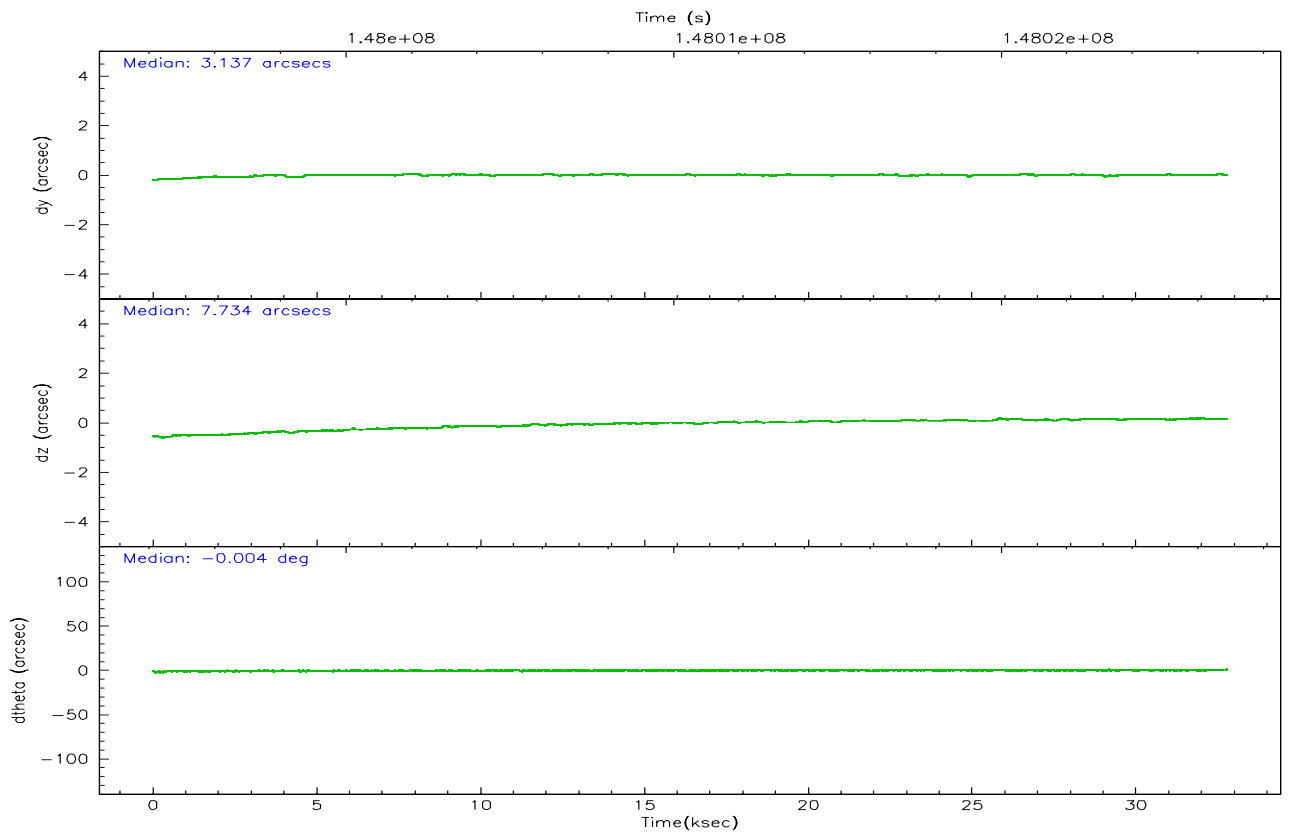
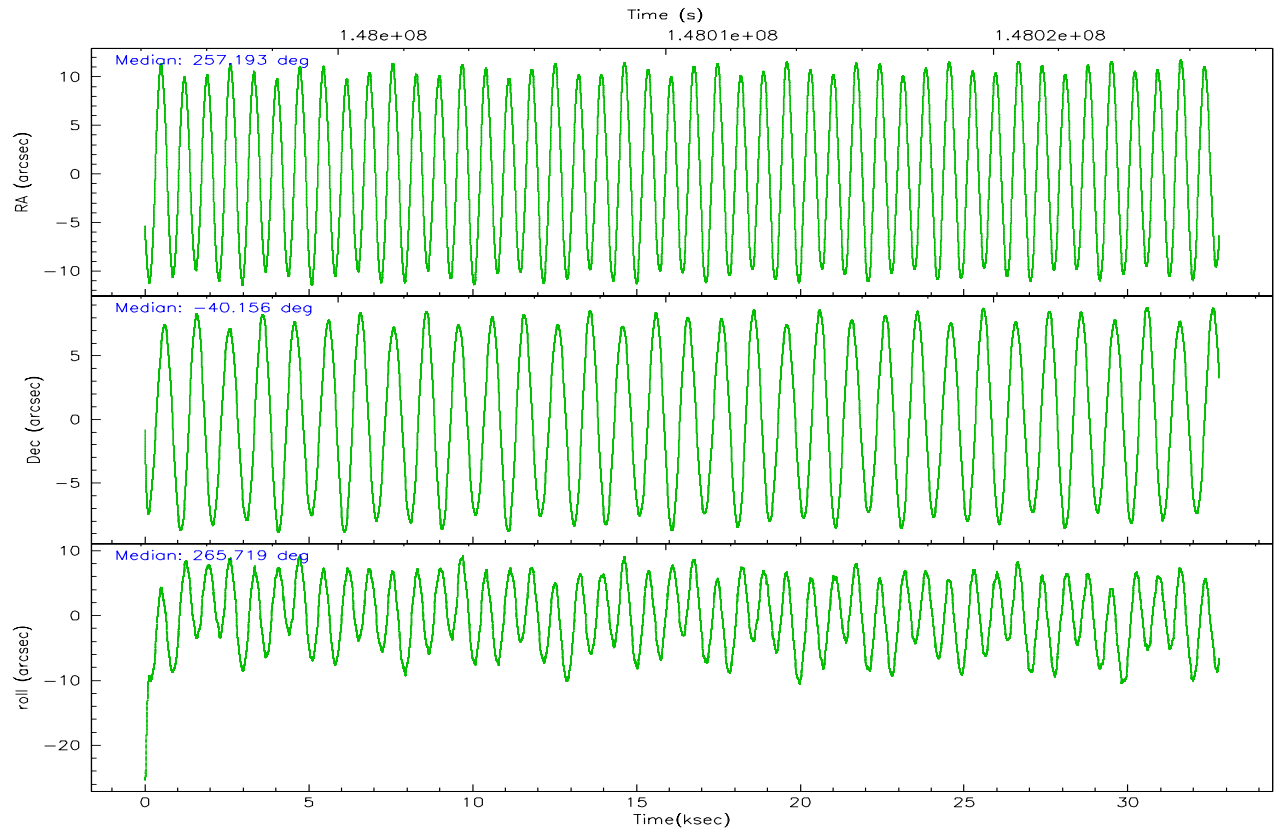
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	12064	14570	21688	9728	23694	11425
	5%	5%	10%	3%	9%	5%
grade 1 events	214	277	137	320	205	108
	0%	0%	0%	0%	0%	0%
grade 2 events	5243	39934	6607	29923	11682	10203
	2%	13%	3%	10%	4%	5%
grade 3 events	2628	2965	2954	7426	6719	2401
	1%	1%	1%	2%	2%	1%
grade 4 events	2416	2753	2836	7061	6164	2385
	1%	0%	1%	2%	2%	1%
grade 5 events	8269	13603	8702	18416	11278	9244
	3%	4%	4%	6%	4%	4%
grade 6 events	3912	70760	5171	66230	14044	4806
	1%	24%	2%	23%	5%	2%
grade 7 events	185344	143708	162705	143808	184617	161280
	84%	49%	77%	50%	71%	79%

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	257.177686	257.1935464050607	Subarray requested	NONE	NONE
Pointing Dec	-40.132000	-40.15637380136562	Alternating exposures requested	N	N
Pointing Roll	265.560538	265.7273885121936	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)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	147994798.184000	147993584.89856			
Observation start date	2002-09-09T21:38:54	2002-09-09T21:19:44			
Observation end time	148026898.184000	148027440.64996			
Observation end date	2002-09-10T06:33:54	2002-09-10T06:44:00			
Read mode	TIMED	TIMED			

2.3 Aspect



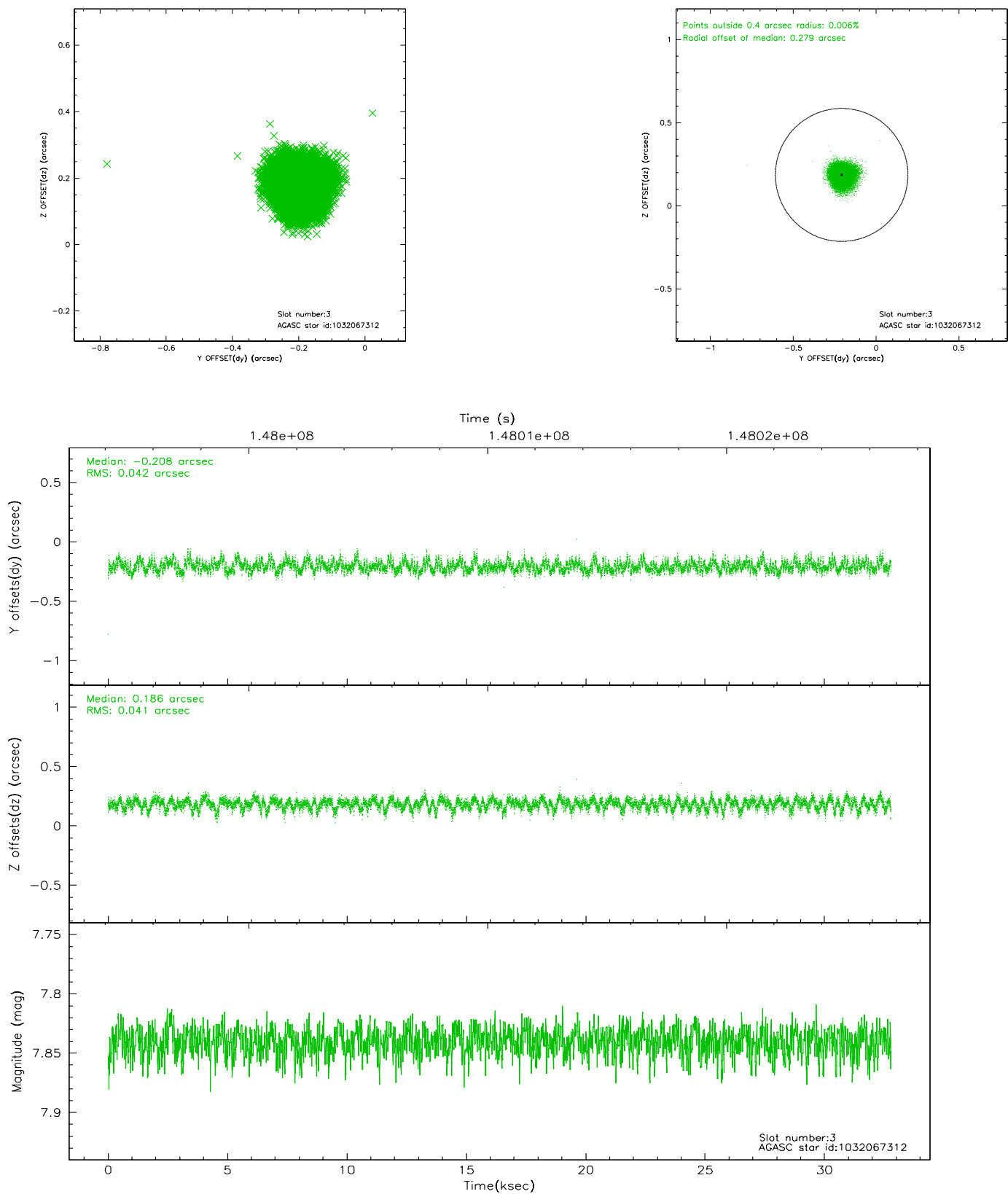


Slot Statistics

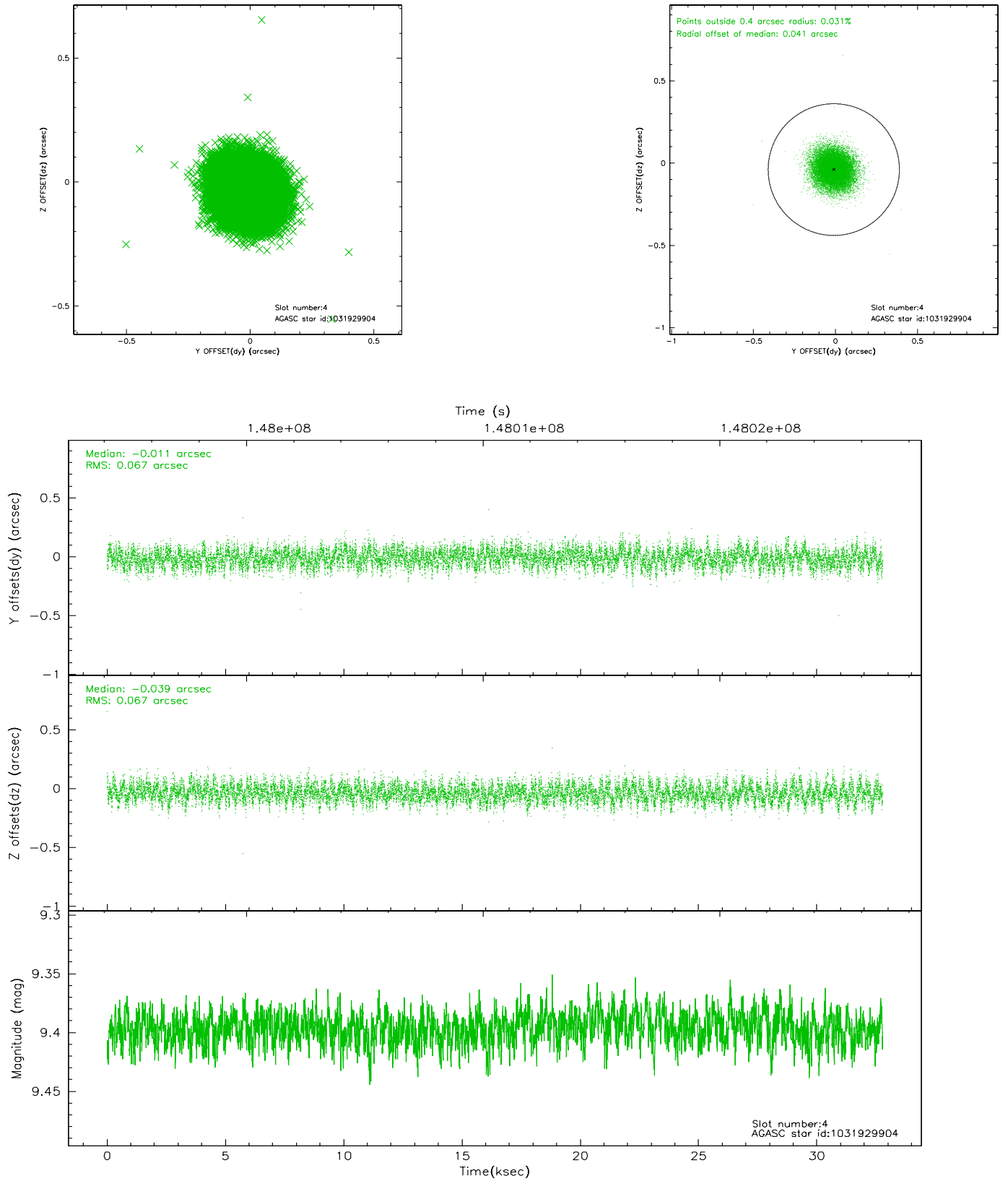
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7996	0.002	0.019	0.007	0.013	0.000000	0.000000	-755.79	-1728.82
1	FID	ACIS-S-4	7.20	7996	-0.044	-0.006	0.005	0.009	0.000000	0.000000	2157.43	179.56
2	FID	ACIS-S-5	7.24	7995	0.011	-0.004	0.007	0.013	0.000000	0.000000	-1808.54	173.32
3	GUIDE	1032067312	7.84	15992	-0.208	0.186	0.062	0.098	258.048957	-39.760316	-1508.24	2301.60
4	GUIDE	1031929904	9.40	15981	-0.011	-0.039	0.101	0.160	256.776341	-40.685313	2074.58	-937.24
5	GUIDE	1031938080	9.85	15973	0.193	-0.228	0.146	0.244	256.292145	-40.702128	2247.50	-2249.47
6	GUIDE	1031930768	9.67	15985	-0.019	-0.078	0.093	0.151	256.672119	-40.600885	1795.44	-1246.42
7	GUIDE	1032061480	9.53	15924	0.039	0.165	0.103	0.164	257.546142	-40.441464	1036.11	1093.52

2.4 Star Slots

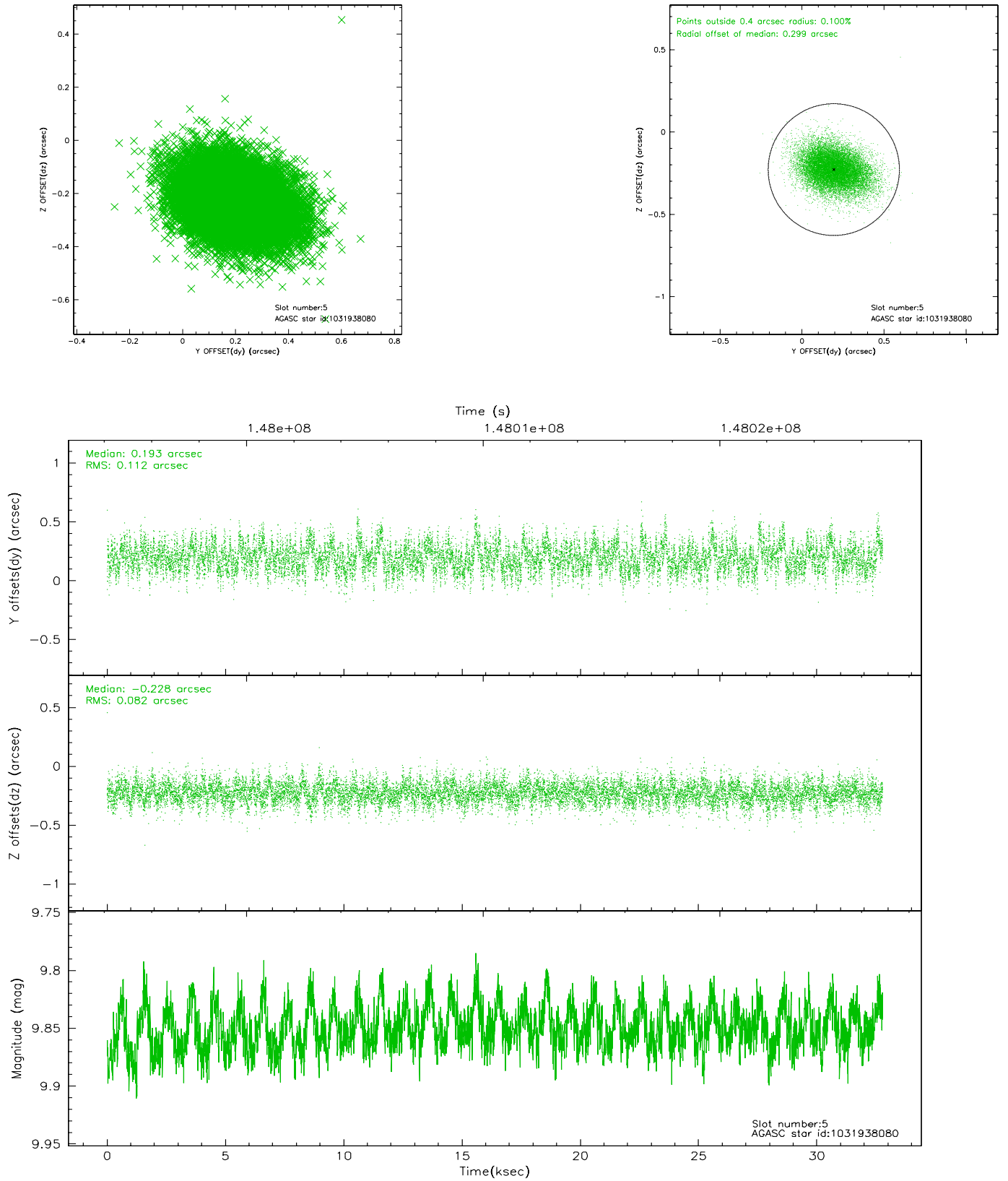
2.4.1 Slot 3



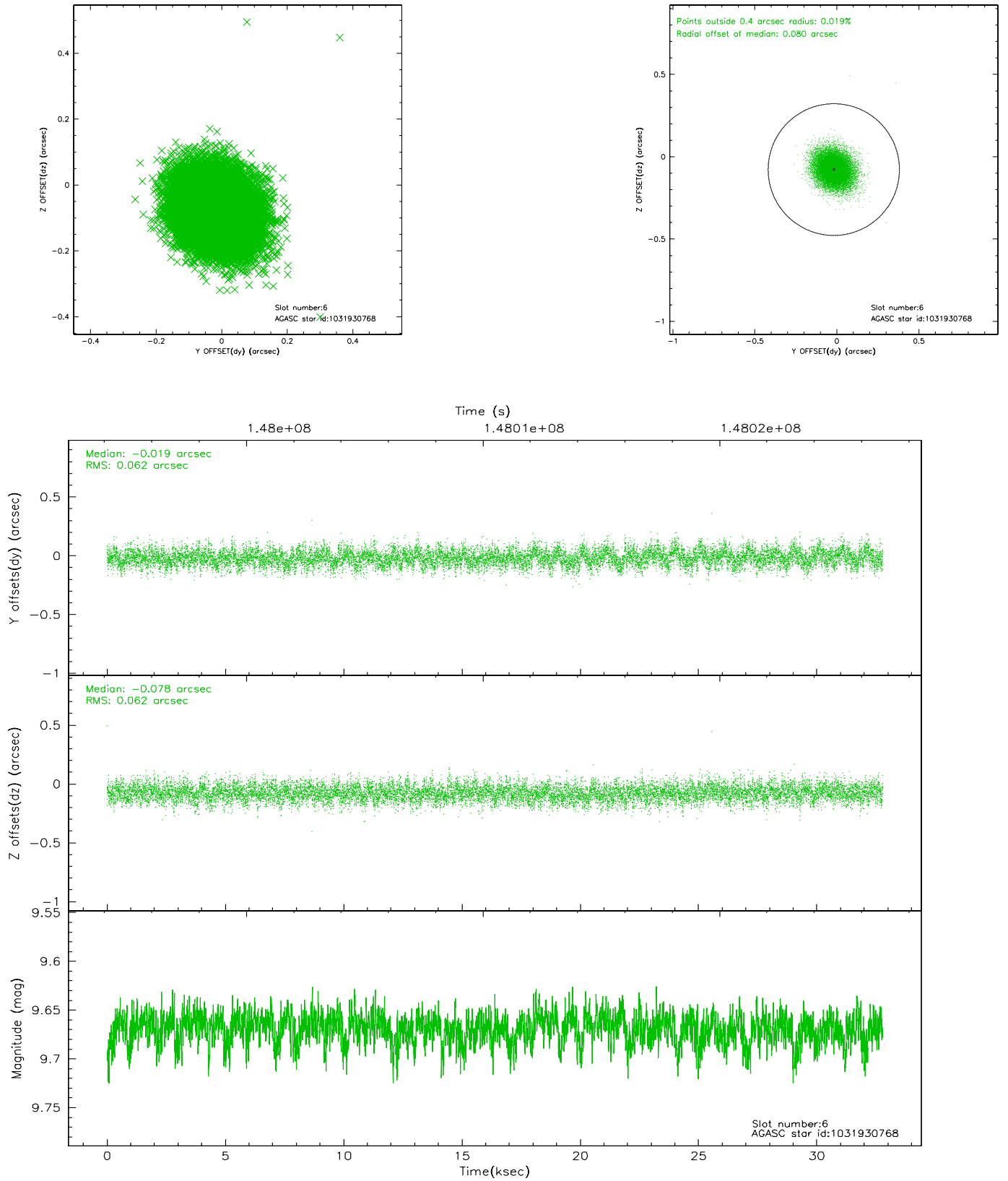
2.4.2 Slot 4



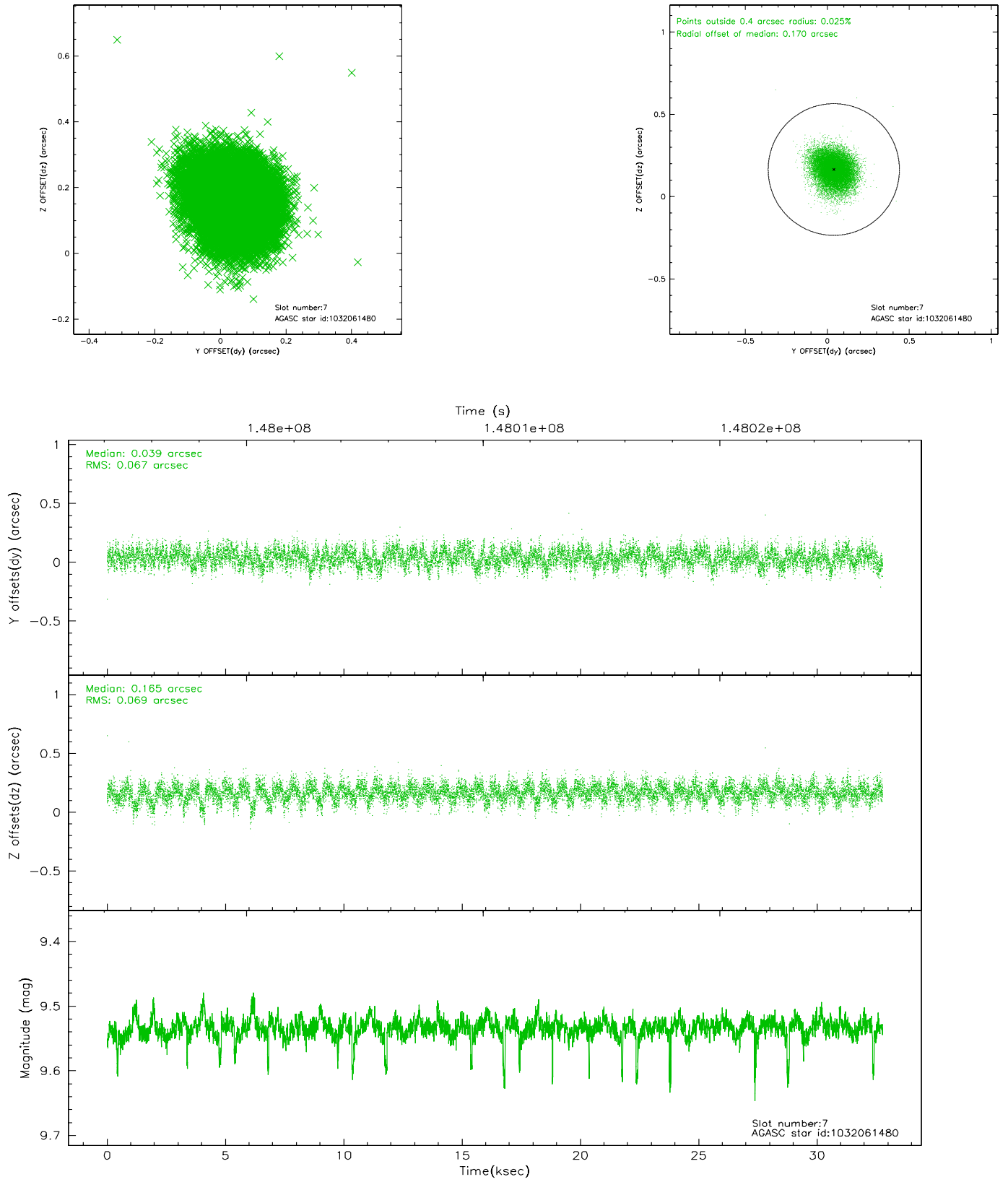
2.4.3 Slot 5



2.4.4 Slot 6

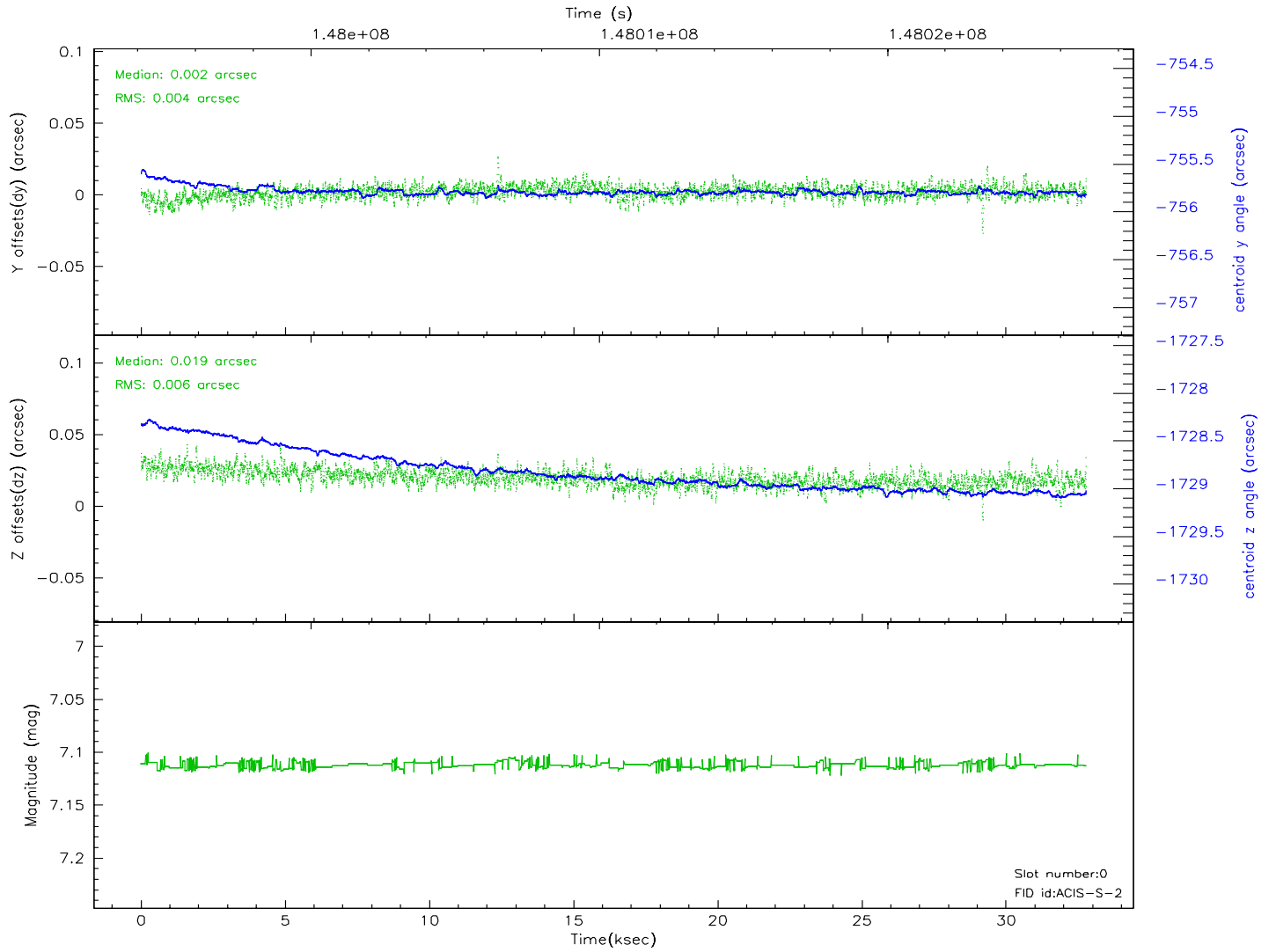
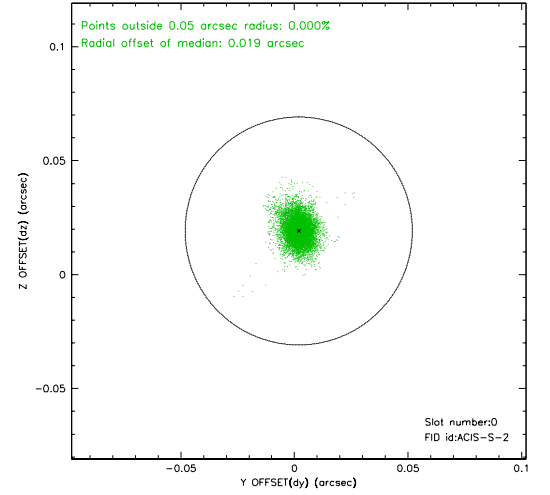
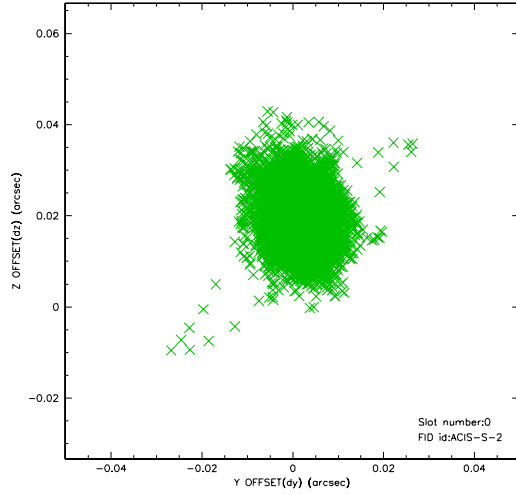


2.4.5 Slot 7

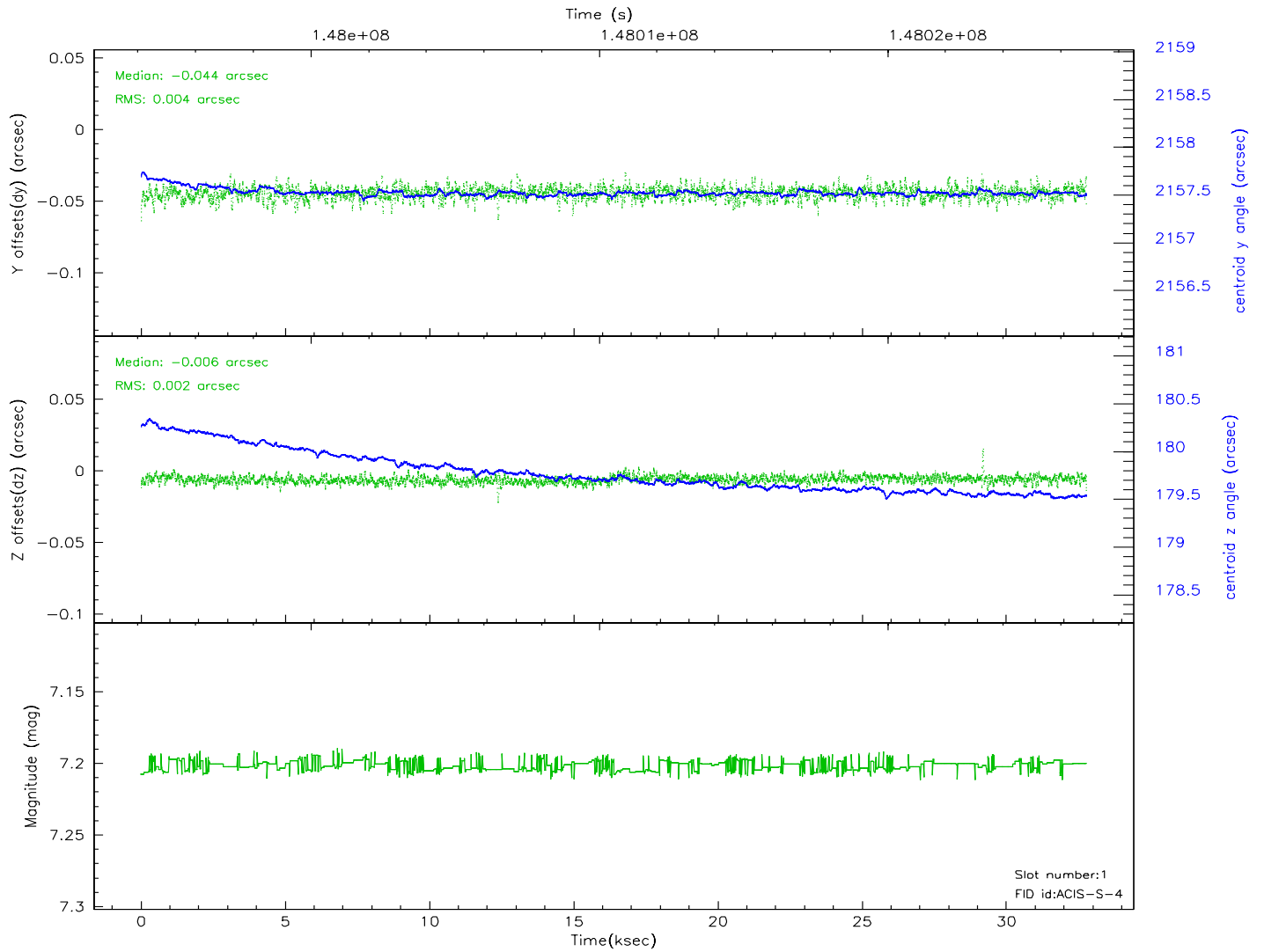
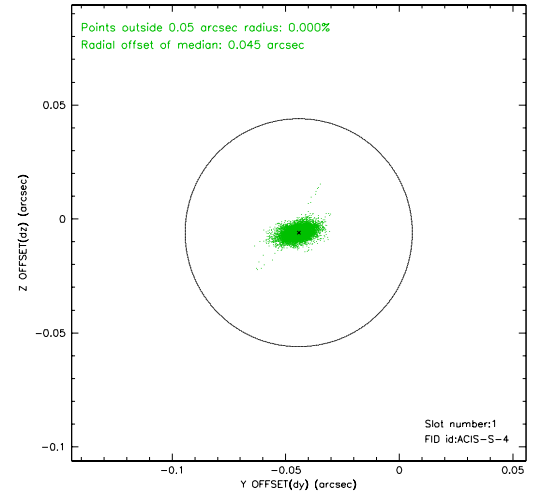
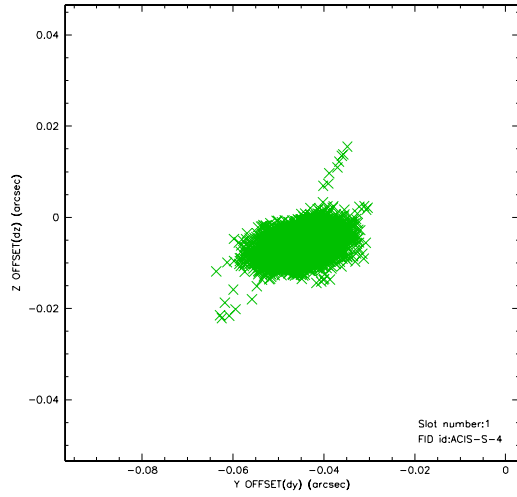


2.5 FID Slots

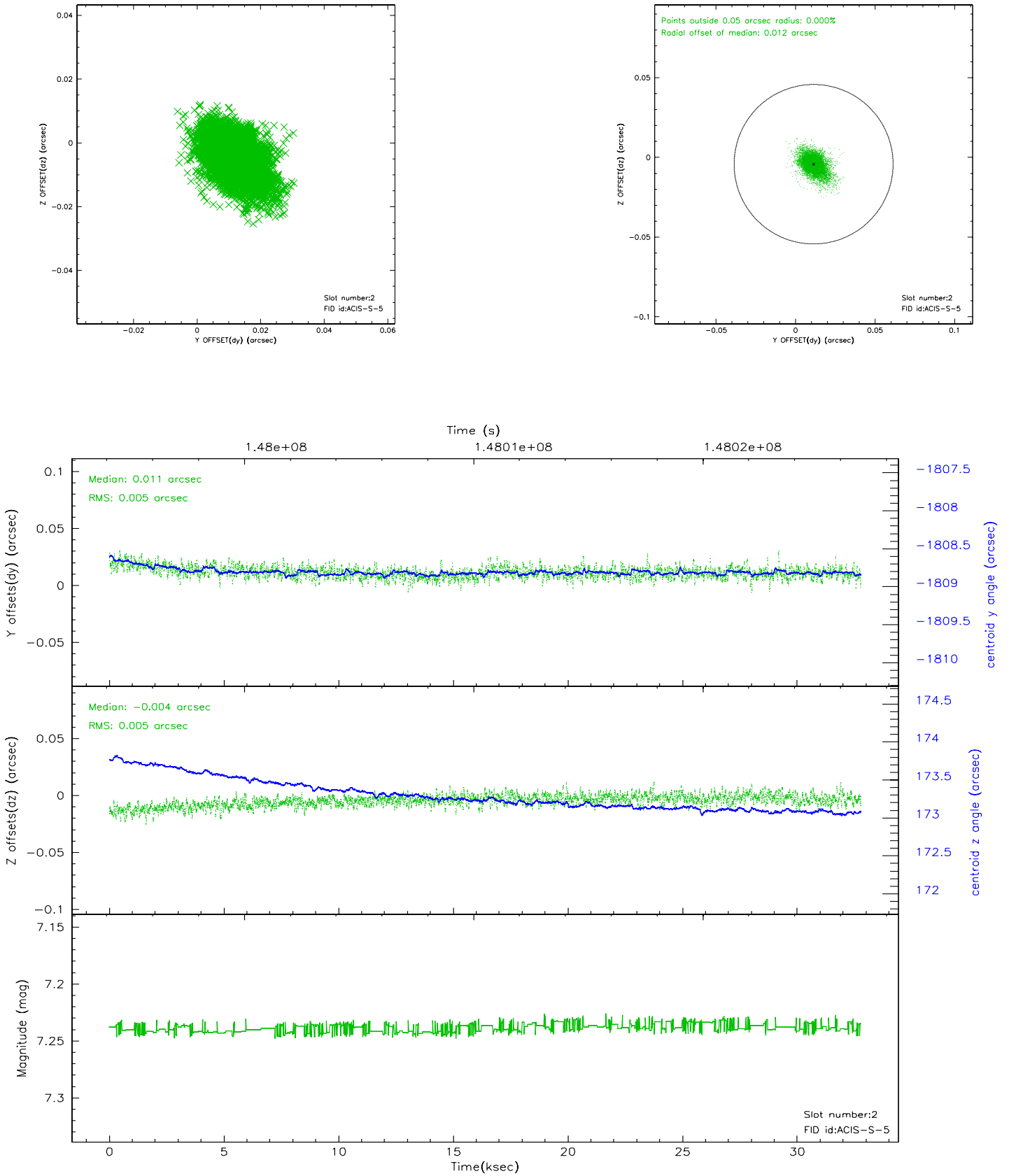
2.5.1 Slot 0



2.5.2 Slot 1

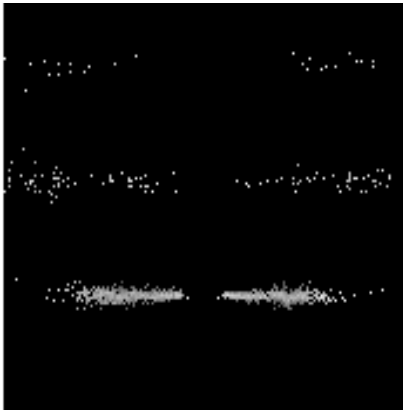


2.5.3 Slot 2

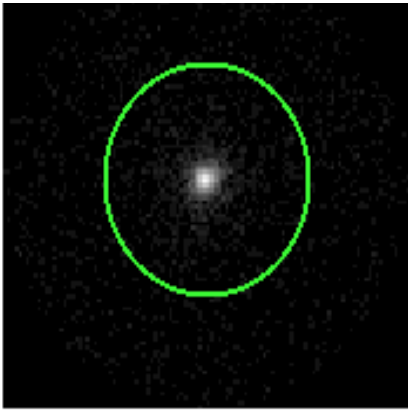


3 Gratings

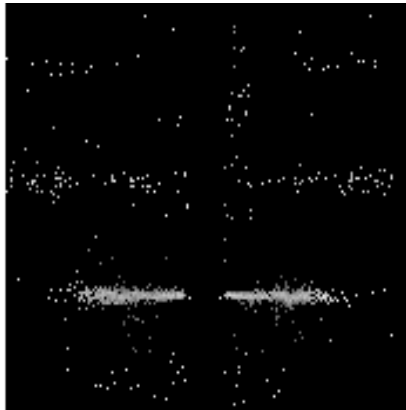
3.1 HEG Arm



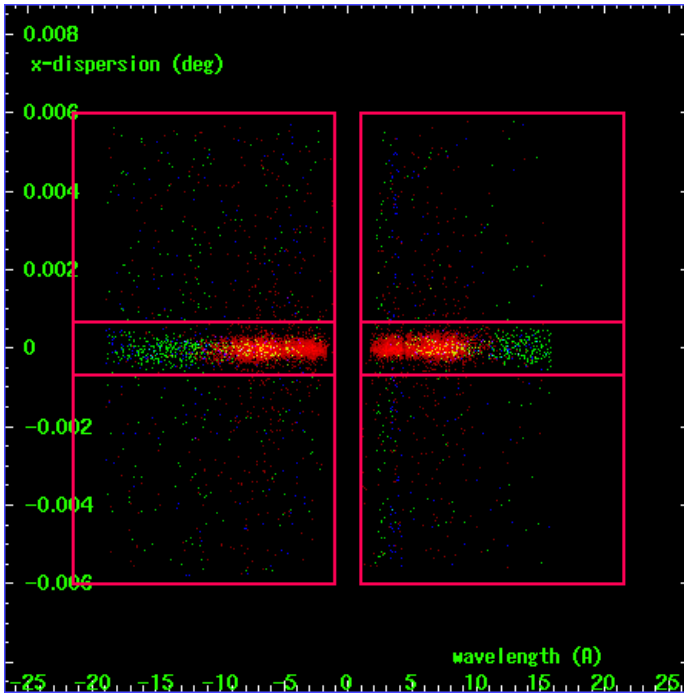
HEG Order Sort 123



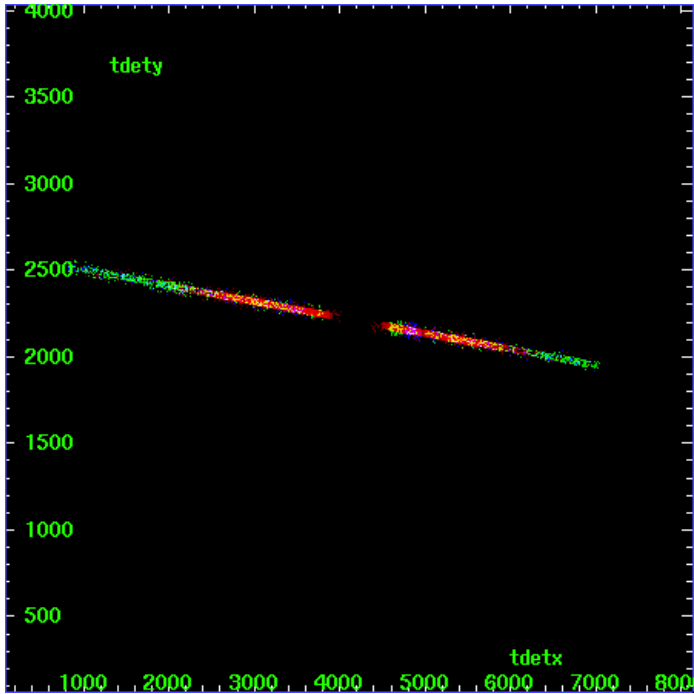
HEG Zero Order



HEG Order Sort ALL

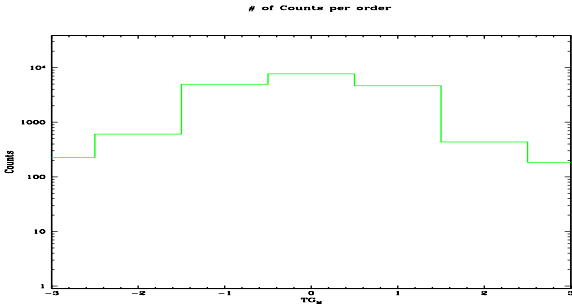


Spot Image HEG

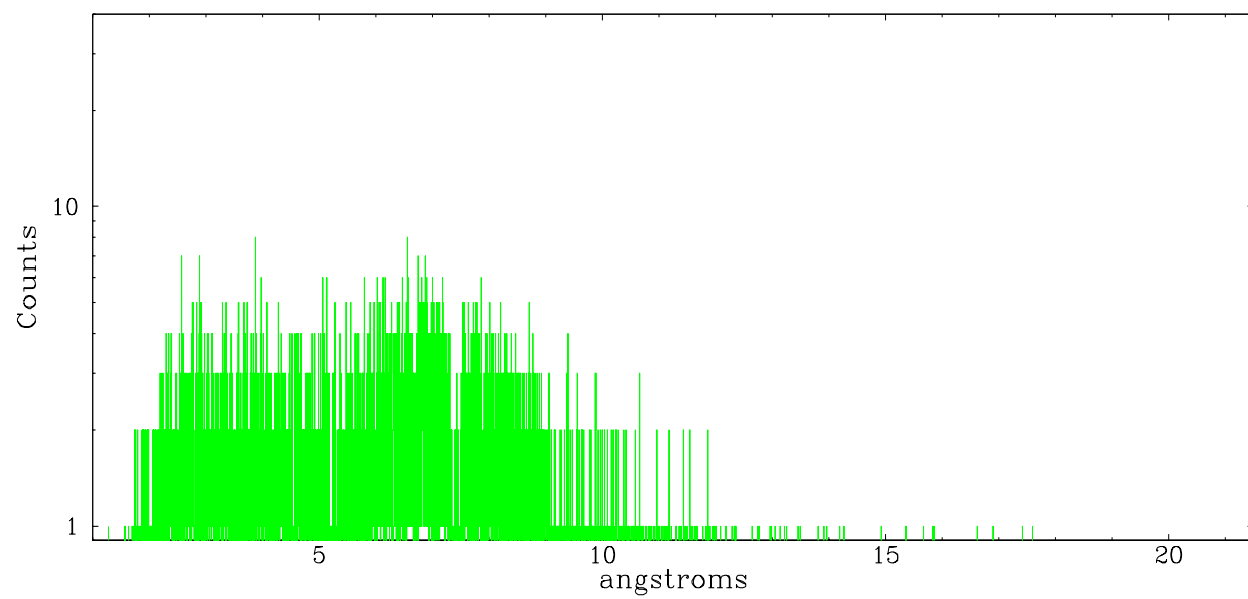


Full Detector HEG

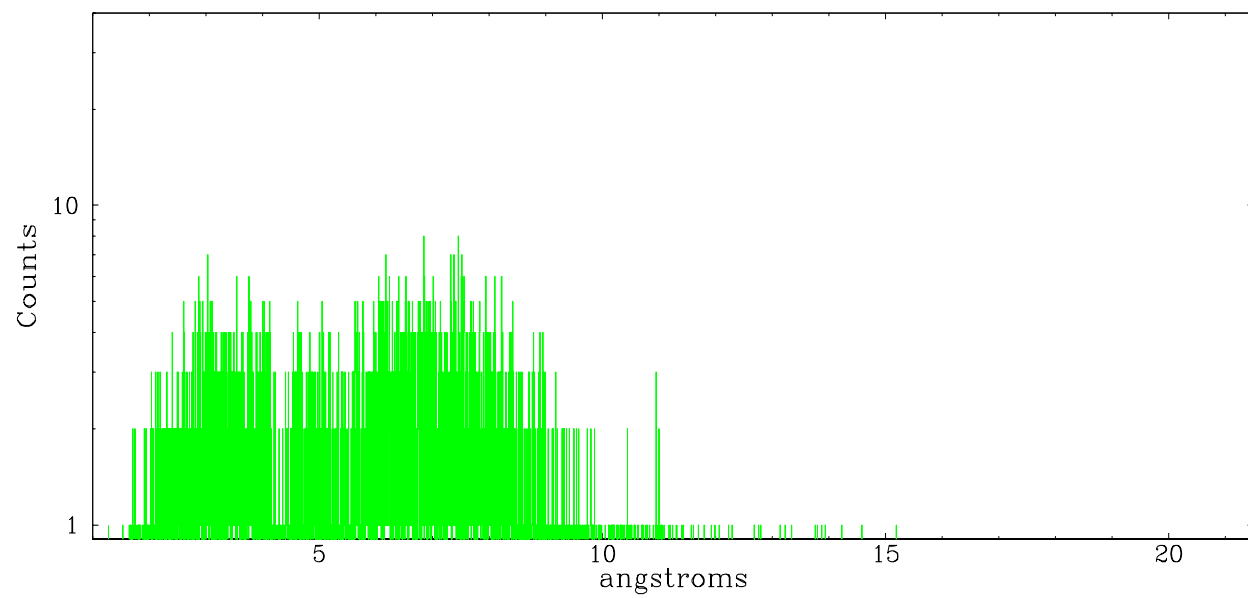
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	227	607	4965	7699	4660	437	183



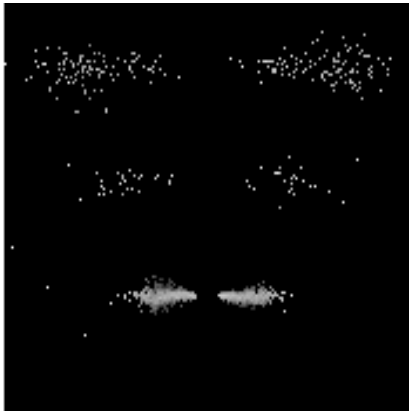
heg order -1



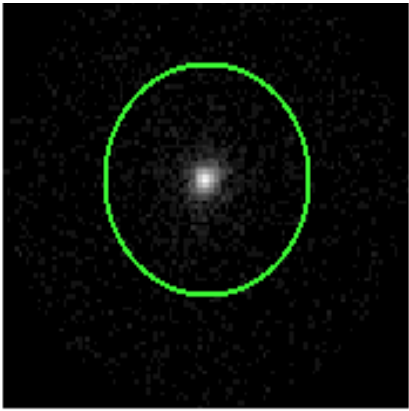
heg order +1



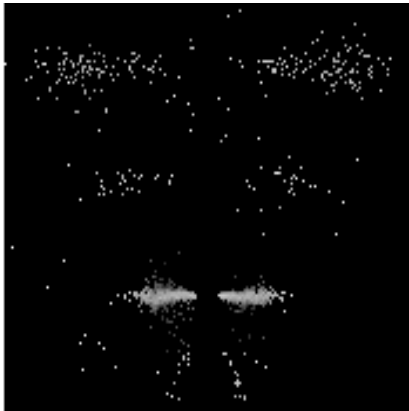
3.2 MEG Arm



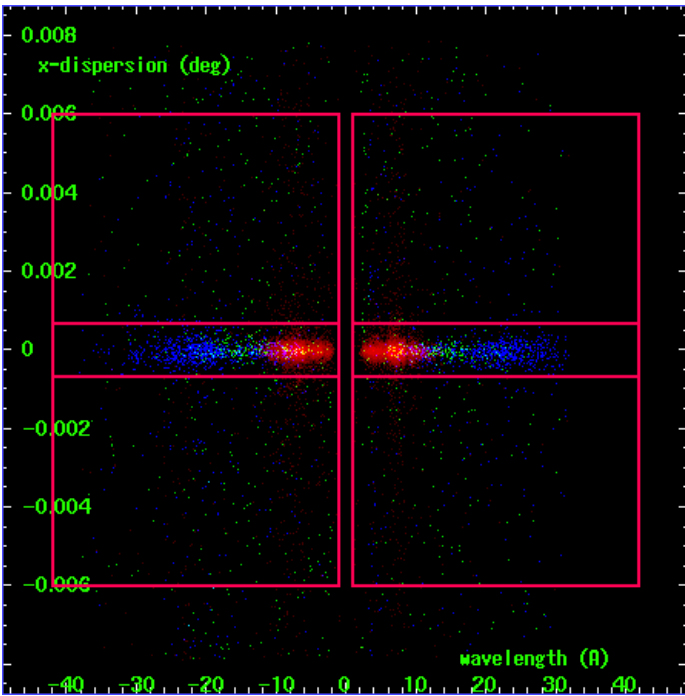
MEG Order Sort 123



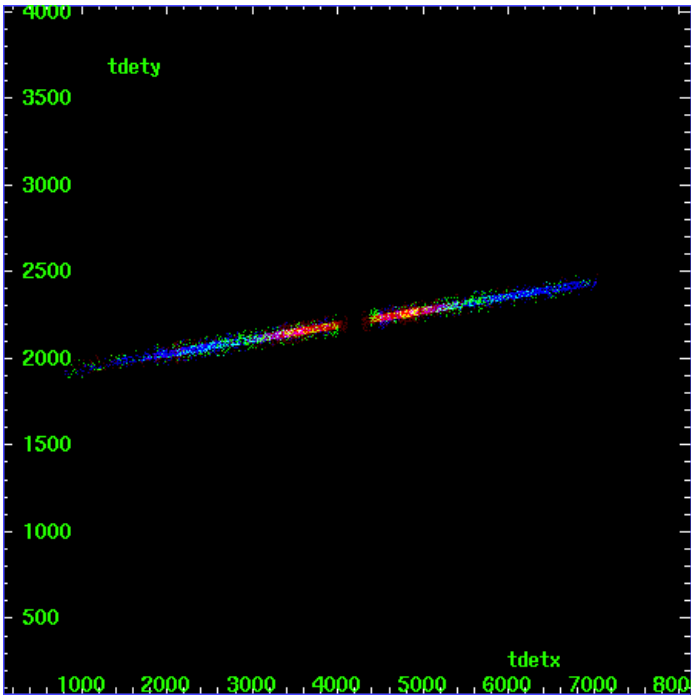
MEG Zero Order



MEG Order Sort ALL

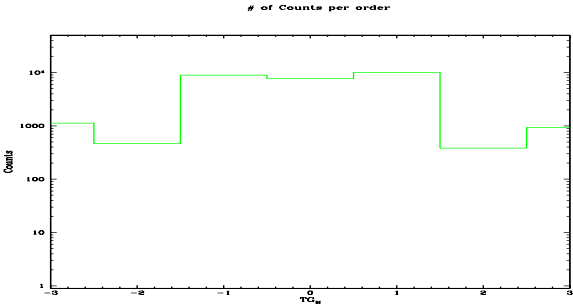


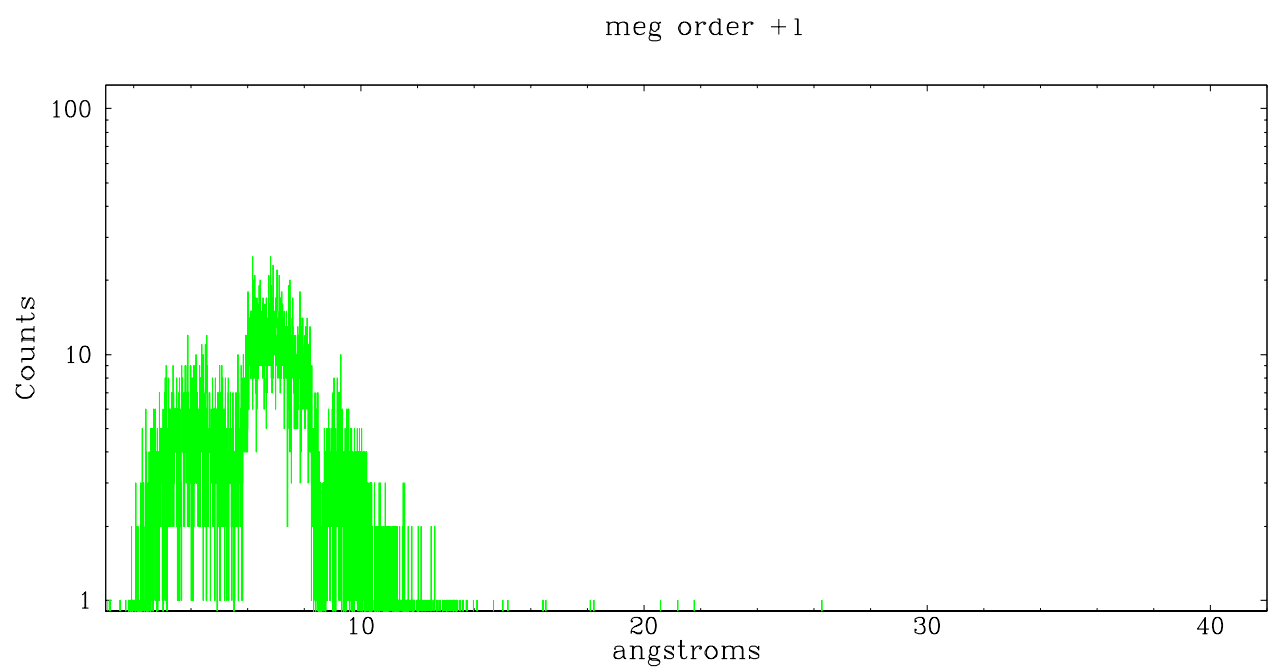
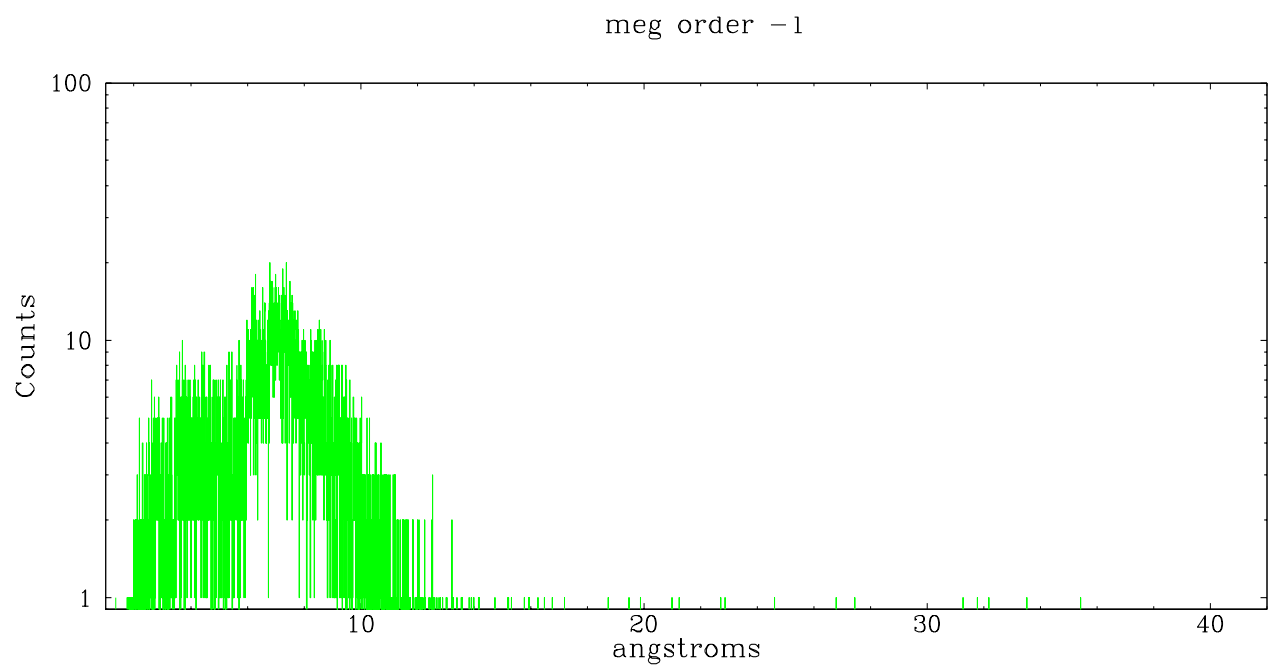
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	1125	463	8969	7699	10009	382	926





A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.057

A.2 Comments