

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1887 - L2 Version 001
Chandra X-Ray Center

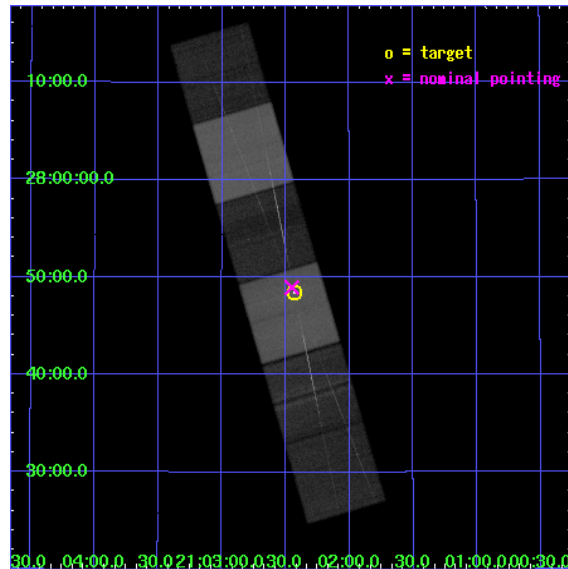
L2 Processing Date : Nov 14 2006

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1 Front

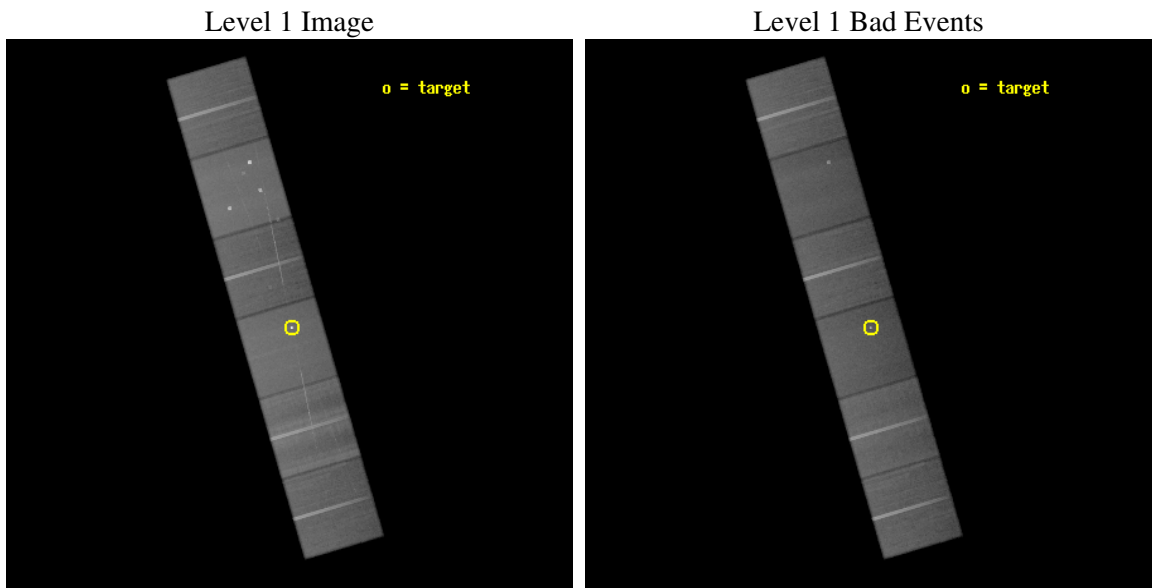
seq_num	200115
obs_id	1887
title	TIME-RESOLVED CORONAL SPECTROSCOPY OF THE SHORT-PERIOD ACTIVE BINARY ER VUL (G0 V + G5 V)
observer	DR. Alexander Brown
object	ER_VUL
dtcycle	0
cycle	P
ra_targ	315.607917
dec_targ	27.807333
ra_nom	315.61289105013
dec_nom	27.816100382289
roll_nom	73.670418094379
revision	2
ontime	113449.55906565
livetime	112012.99243764
ontime4	113443.07715516
ontime5	113449.55906565
ontime6	113449.55906565
ontime7	113449.55906565
ontime8	113449.55906565
ontime9	113449.55906565
l2events	1352833



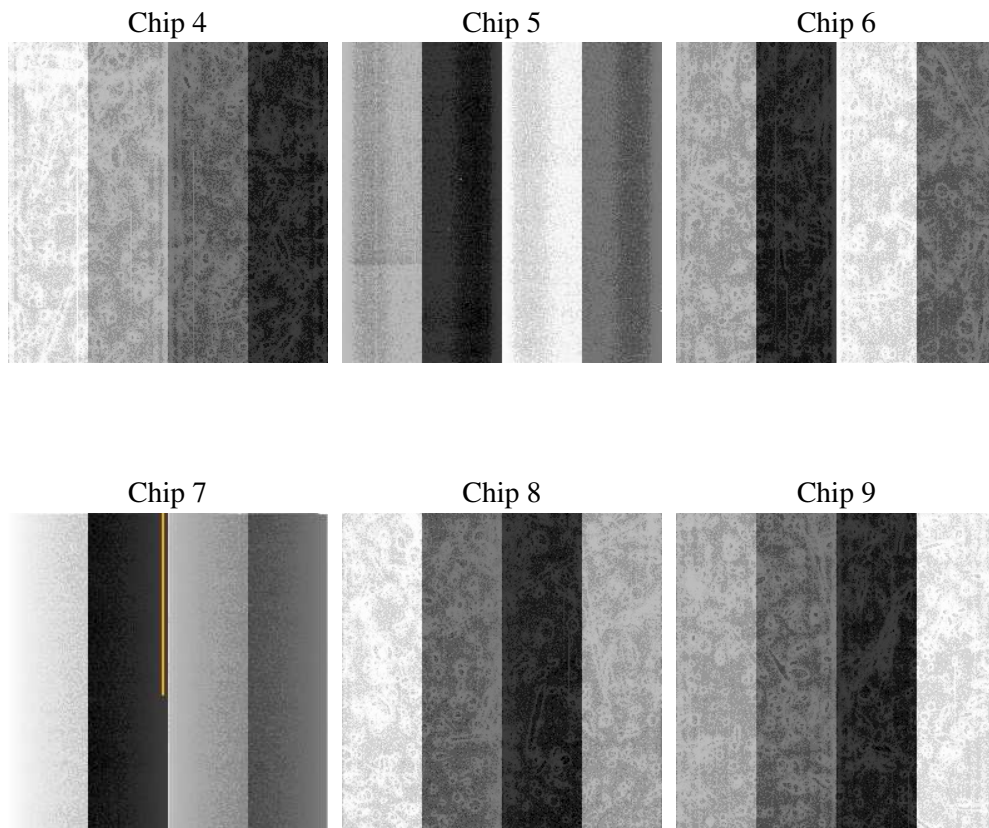
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-13T17:37:24
revision	2

sched_exp_time	113355.462000
ontime	113515.90298617
ontime4	113509.42104575
ontime5	113515.90295625
ontime6	113515.90295625
ontime7	113515.90298617
ontime8	113515.90295625
ontime9	113515.90295625
l1events	5768008

2.1.4 Events

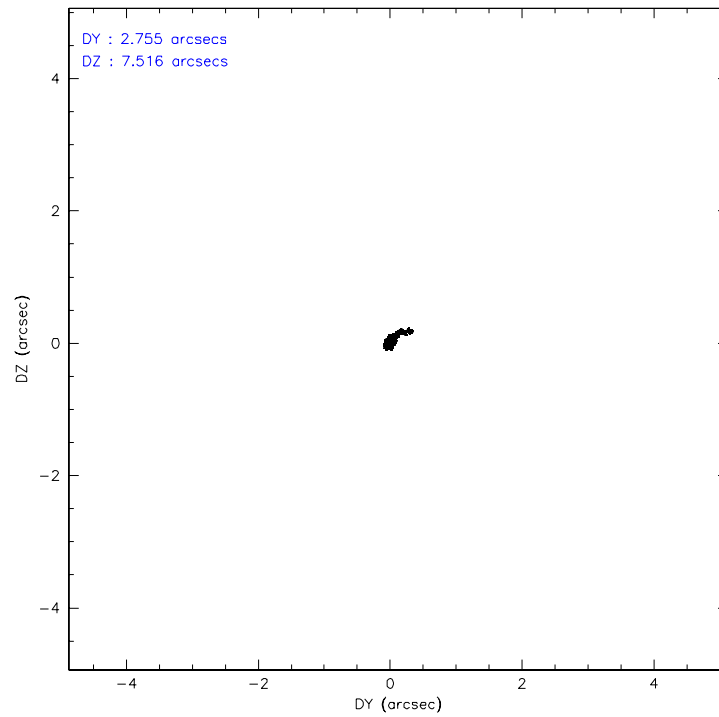
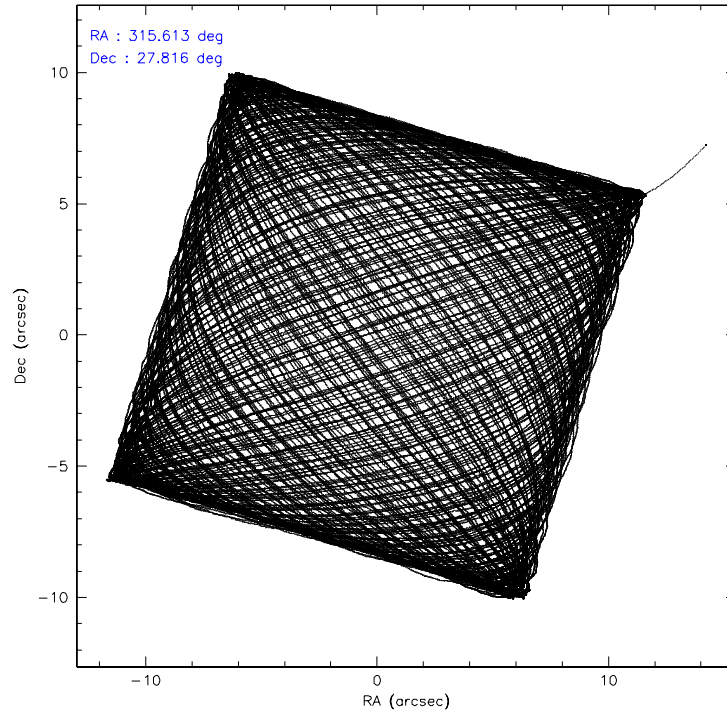
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	895440	1135062	824634	1034250	1080886	797736
rejected events	780141	583584	704772	587259	784575	687282
rejected %	87%	51%	85%	56%	72%	86%

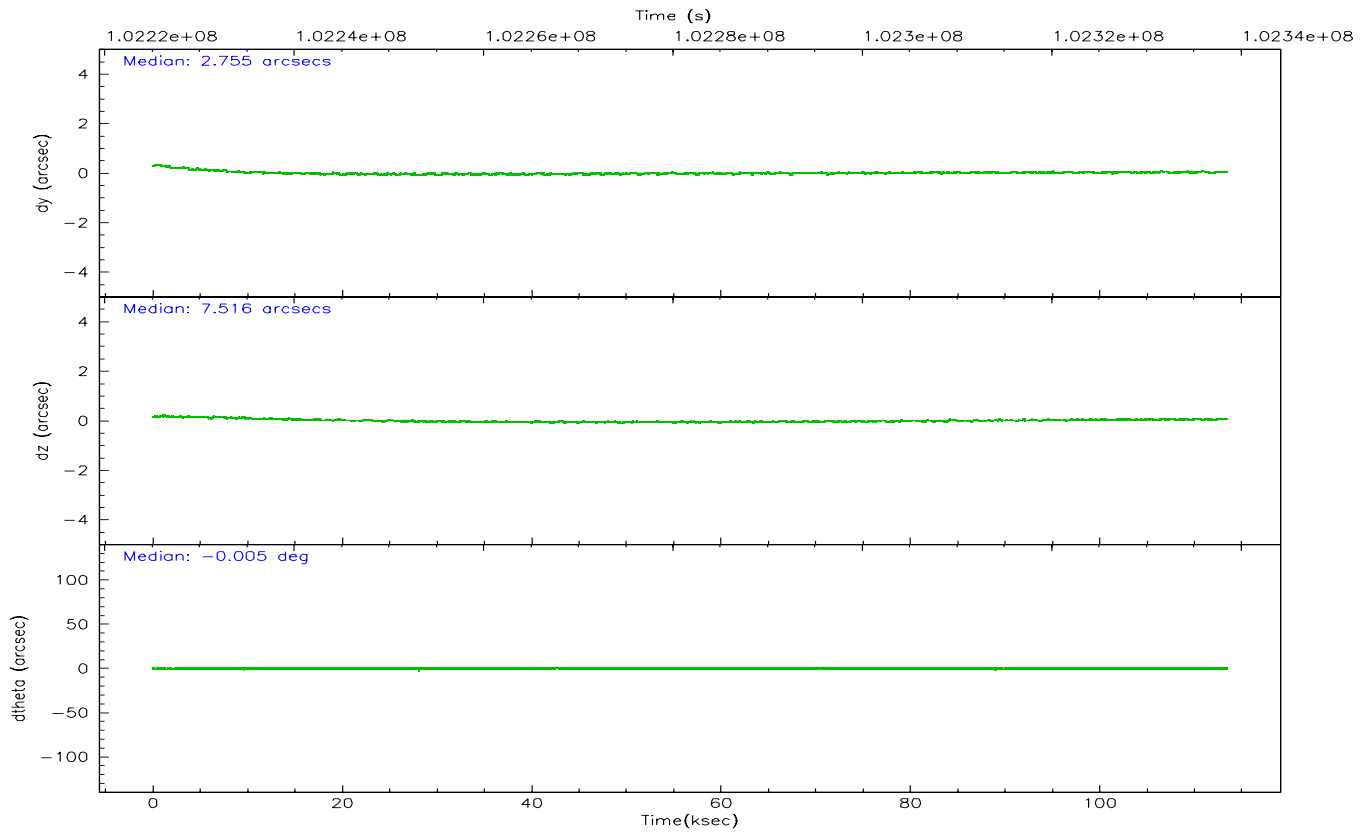
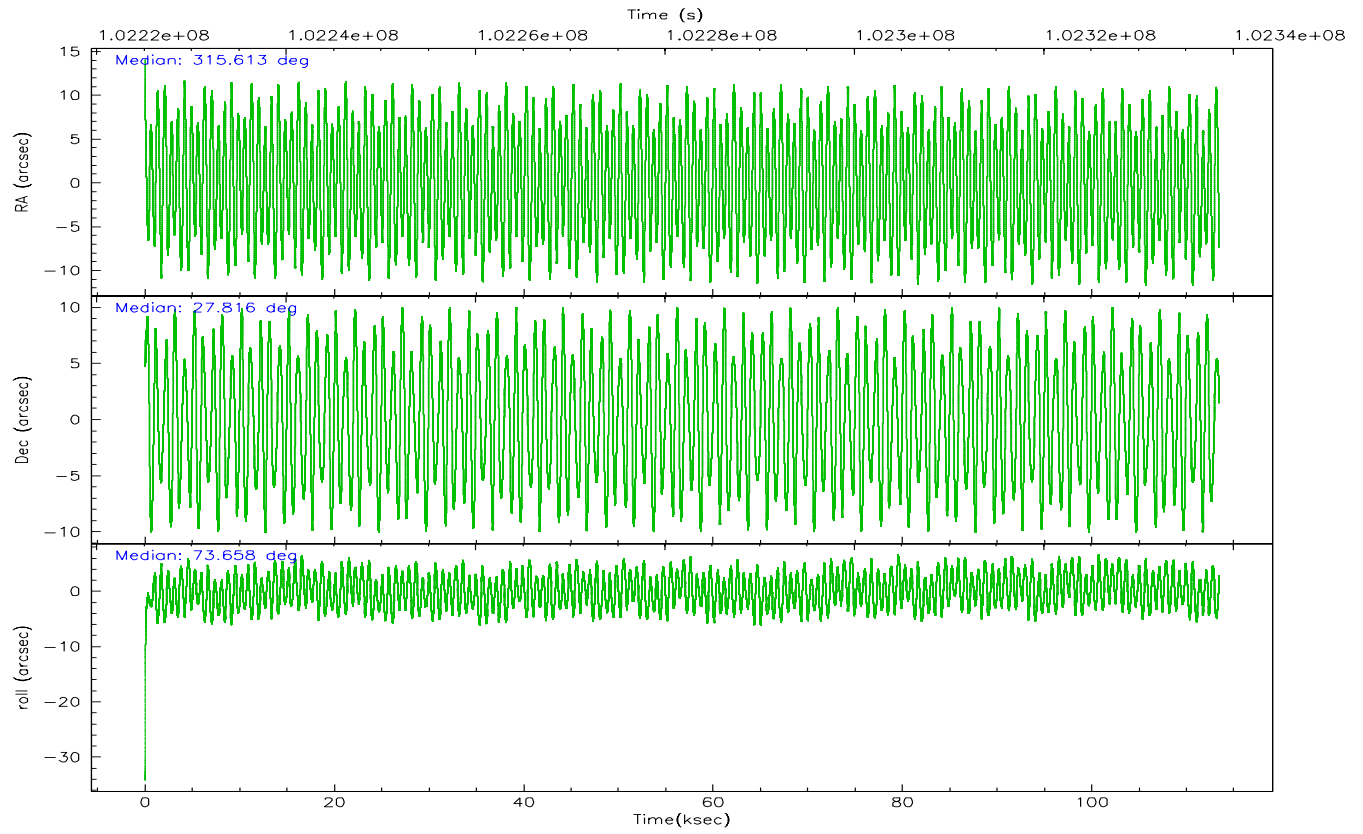
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	50508	65113	56896	31627	101804	48956
	5%	5%	6%	3%	9%	6%
grade 1 events	470	4037	429	918	773	407
	0%	0%	0%	0%	0%	0%
grade 2 events	27455	173176	22561	113510	56005	21901
	3%	15%	2%	10%	5%	2%
grade 3 events	9499	12908	9980	25670	35243	9276
	1%	1%	1%	2%	3%	1%
grade 4 events	9128	12316	9809	24796	32093	9347
	1%	1%	1%	2%	2%	1%
grade 5 events	26084	51606	30960	67290	40040	31519
	2%	4%	3%	6%	3%	3%
grade 6 events	18758	288262	20668	251603	71328	21021
	2%	25%	2%	24%	6%	2%
grade 7 events	753538	527644	673331	518836	743600	655309
	84%	46%	81%	50%	68%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	315.620459	315.6128910501316	Subarray requested	NONE	NONE
Pointing Dec	27.789628	27.81610038228939	Alternating exposures requested	N	N
Pointing Roll	73.510265	73.6704180943786	Primary exposure time	0.000000	3.2
Window start time	102170464.184000	102170464.184000			
Window stop time	102367264.184000	102367264.184000			
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	102225186.184000	102224082.79147			
Observation start date	2001-03-29T03:52:02	2001-03-29T03:34:42			
Observation end time	102338541.184000	102338856.14592			
Observation end date	2001-03-30T11:21:17	2001-03-30T11:27:36			
Read mode	TIMED	TIMED			

2.3 Aspect



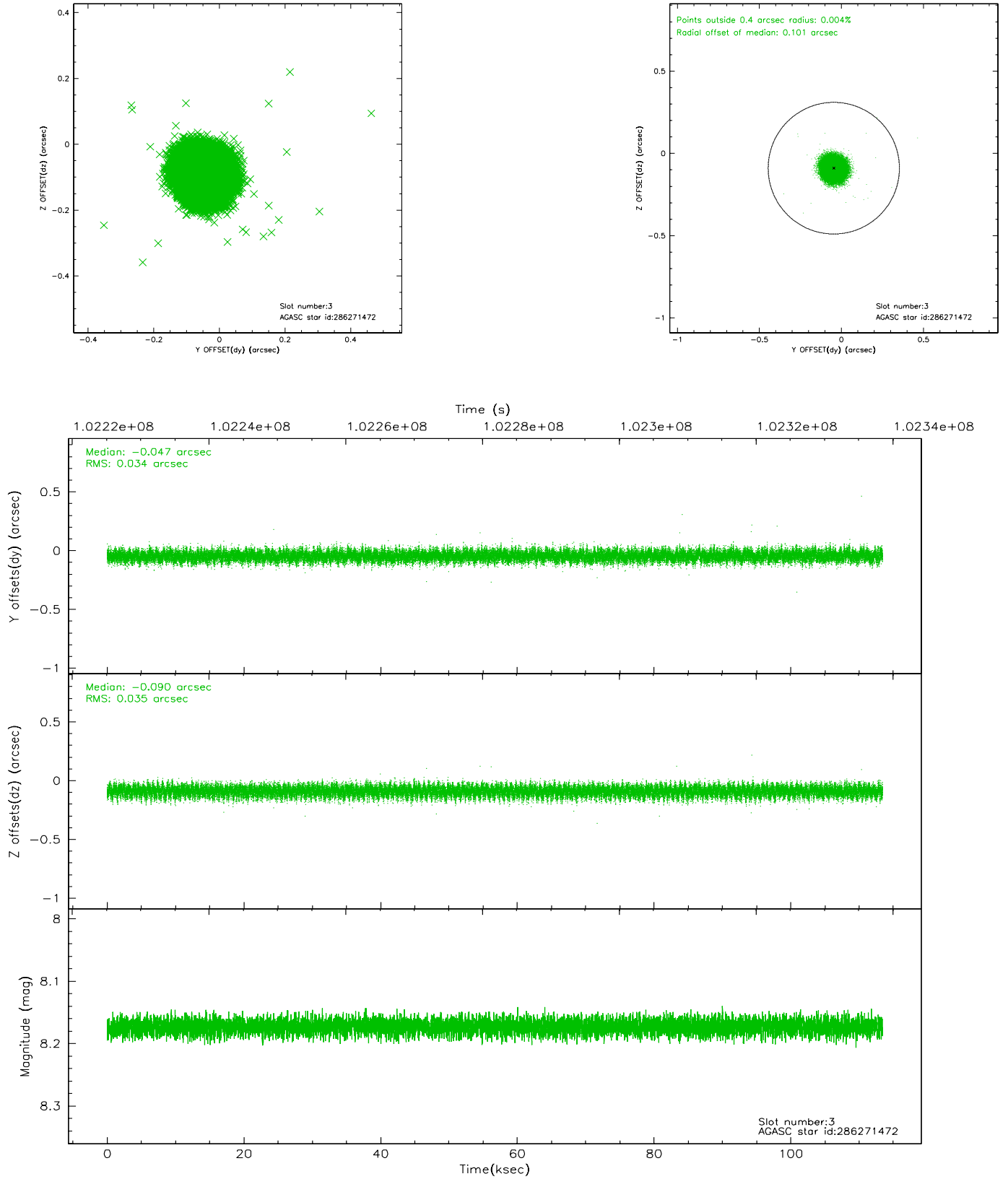


Slot Statistics

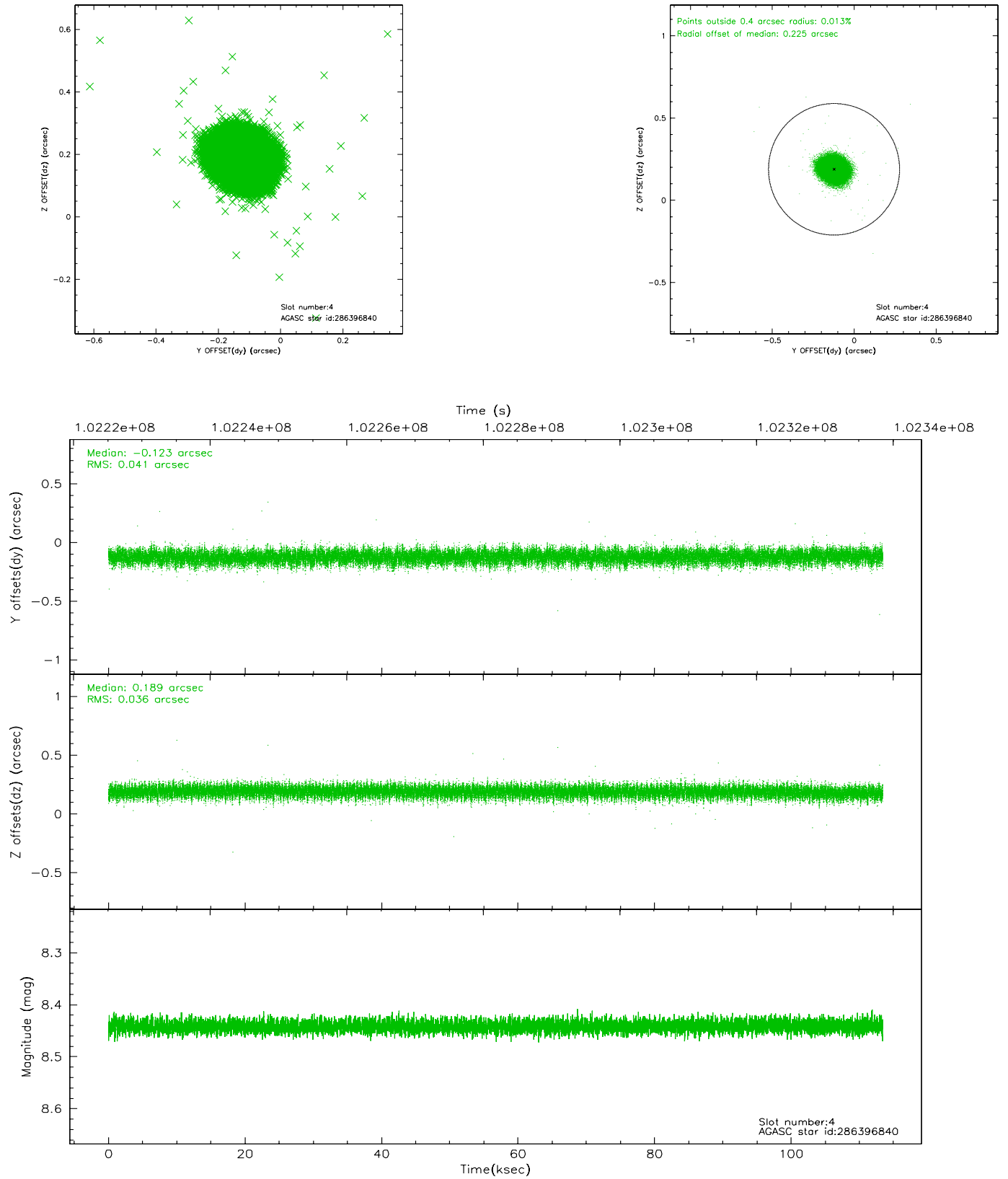
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	27670	-0.042	-0.013	0.007	0.011	0.000000	0.000000	-755.20	-1790.87
1	FID	ACIS-S-4	7.19	27671	-0.042	0.024	0.006	0.011	0.000000	0.000000	2158.08	117.79
2	FID	ACIS-S-5	7.23	27671	0.053	-0.002	0.007	0.012	0.000000	0.000000	-1808.11	111.26
3	GUIDE	286271472	8.17	55334	-0.047	-0.090	0.052	0.083	315.586050	28.244741	1539.95	569.31
4	GUIDE	286396840	8.44	55337	-0.123	0.189	0.058	0.093	316.274326	28.140615	1806.40	-1630.16
5	GUIDE	286271104	8.23	55333	0.064	-0.071	0.059	0.097	315.711570	28.323415	1924.77	268.27
6	GUIDE	285741272	8.93	55323	-0.027	-0.116	0.075	0.122	315.069710	28.079206	506.48	1973.76
7	GUIDE	285738560	9.34	55307	0.136	0.092	0.079	0.130	315.822044	27.976043	826.21	-424.24

2.4 Star Slots

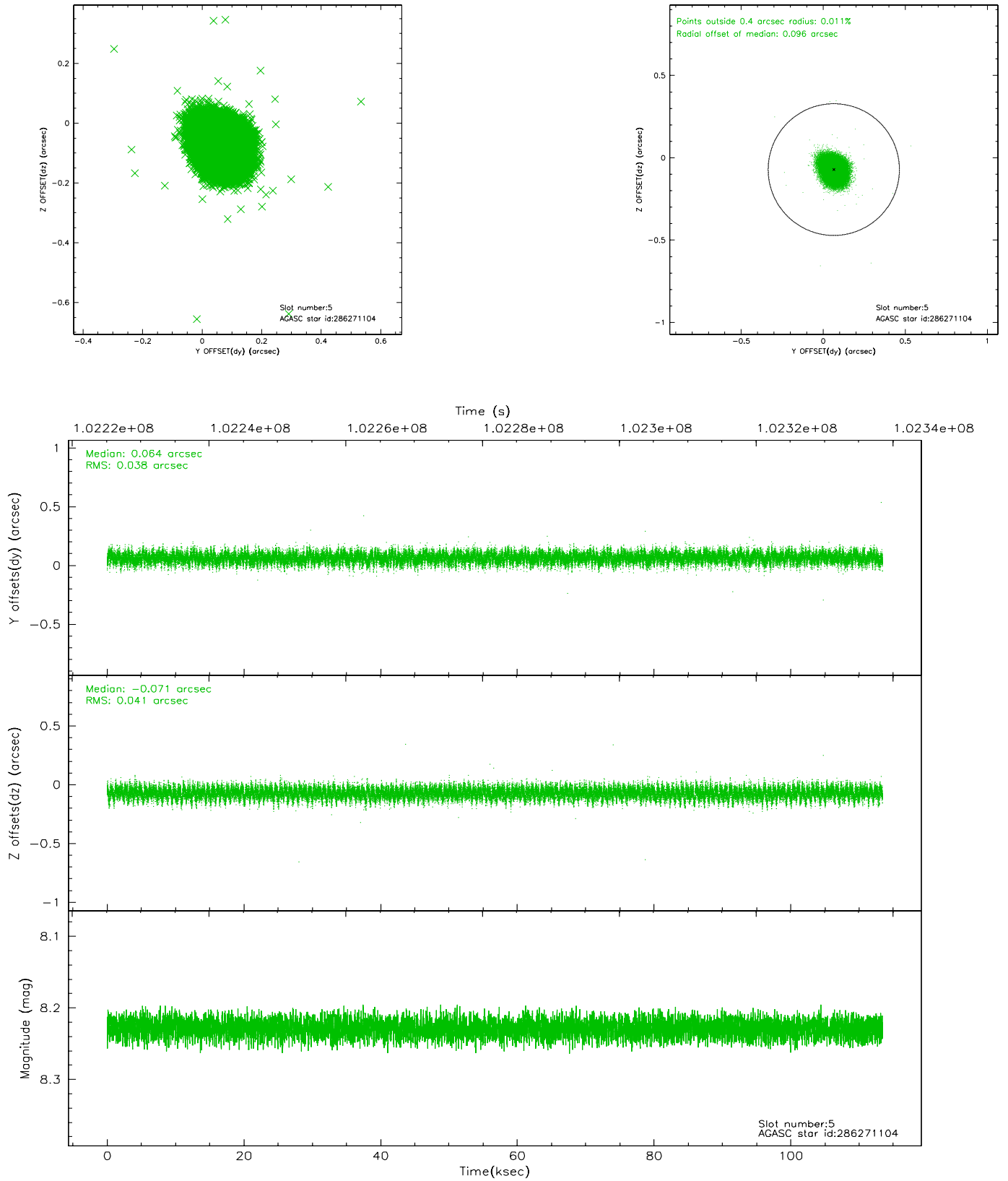
2.4.1 Slot 3



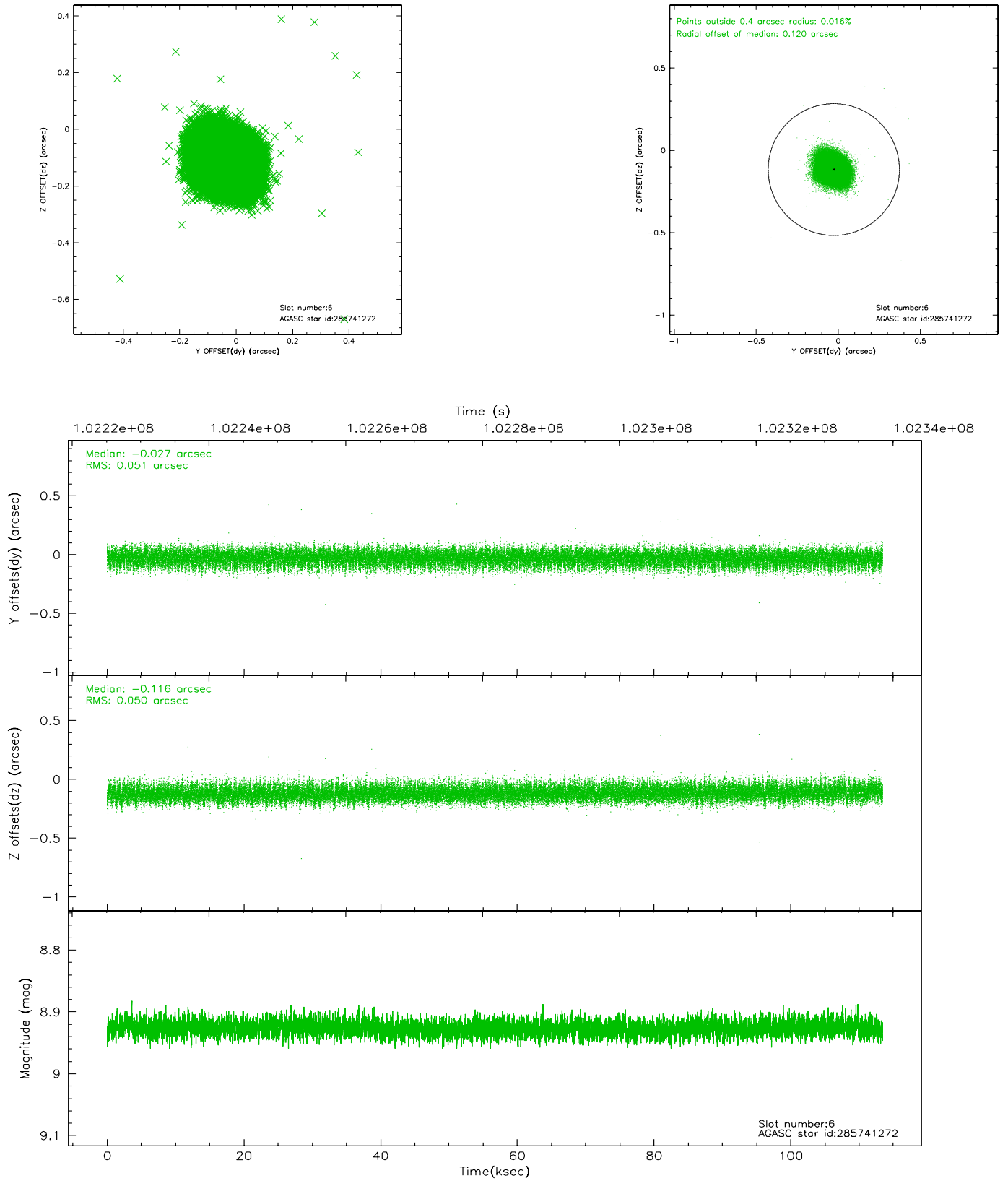
2.4.2 Slot 4



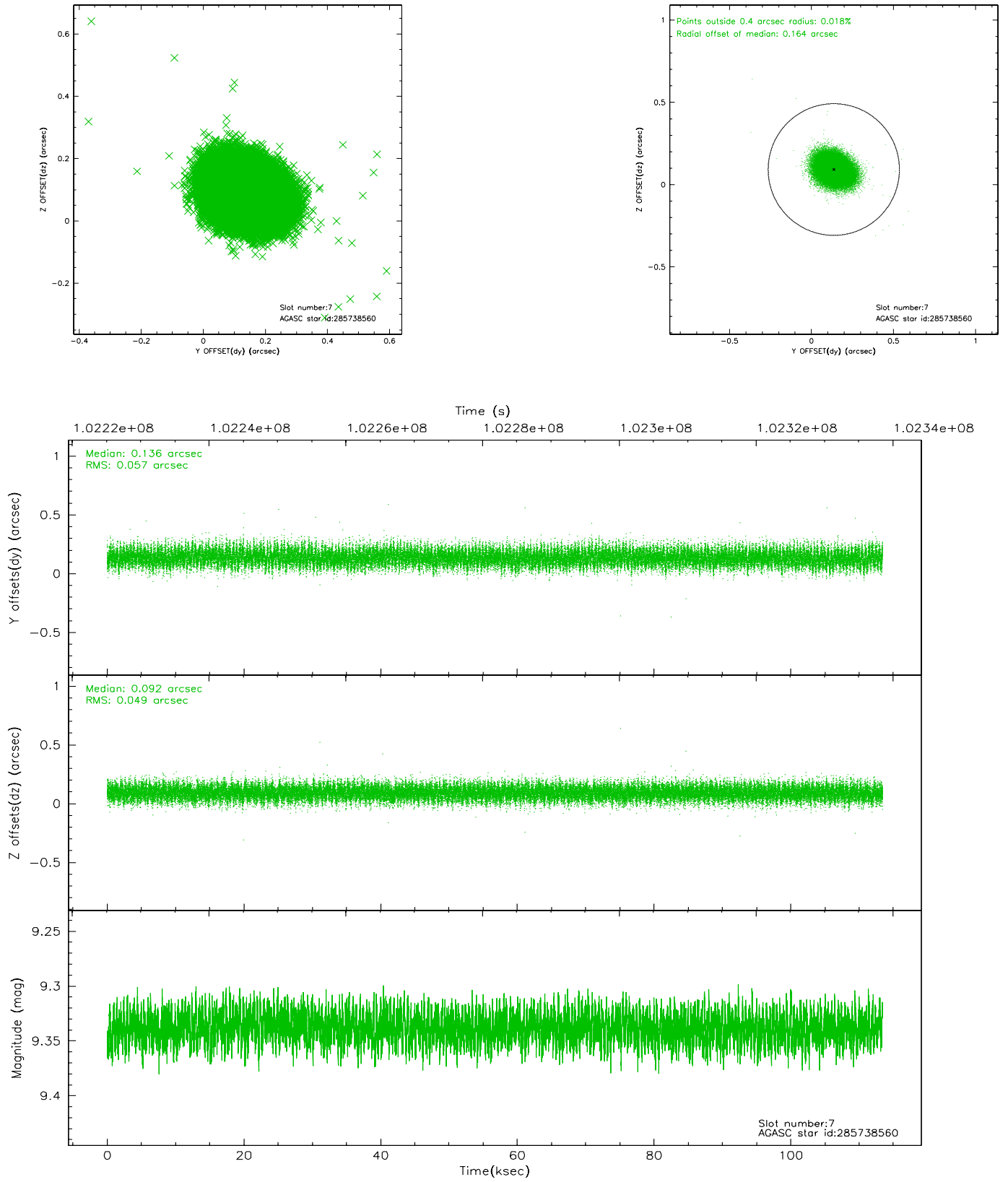
2.4.3 Slot 5



2.4.4 Slot 6

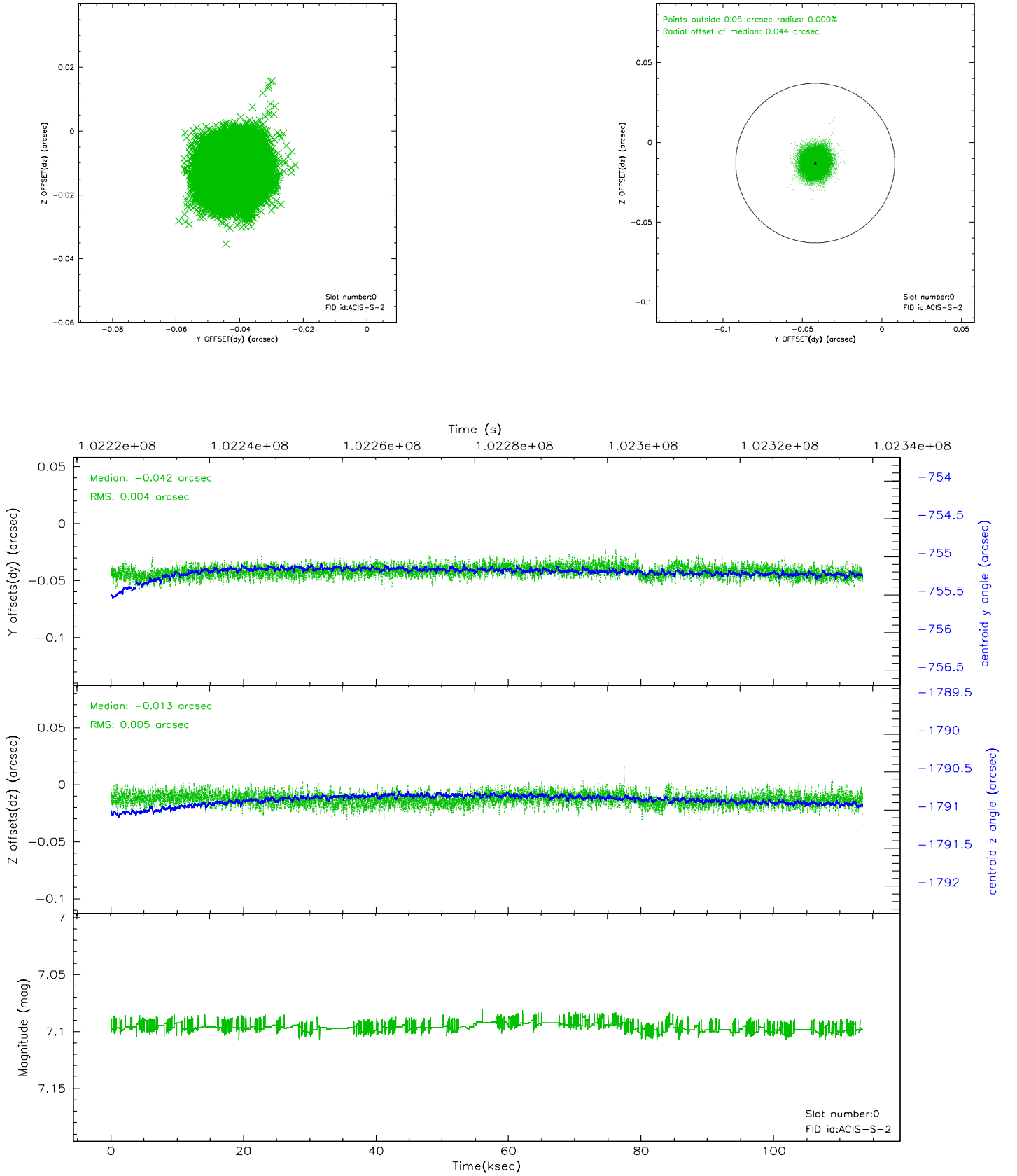


2.4.5 Slot 7

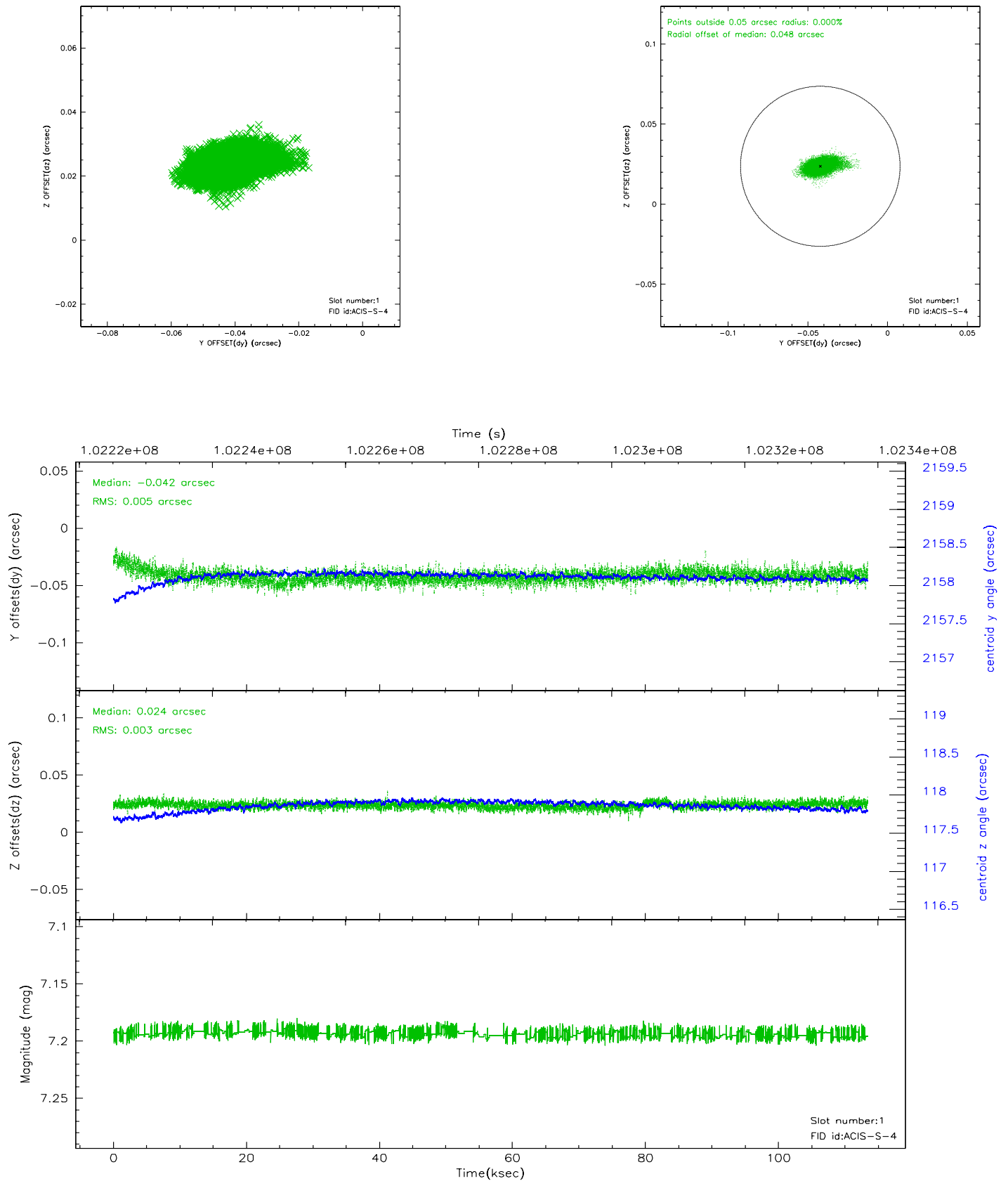


2.5 FID Slots

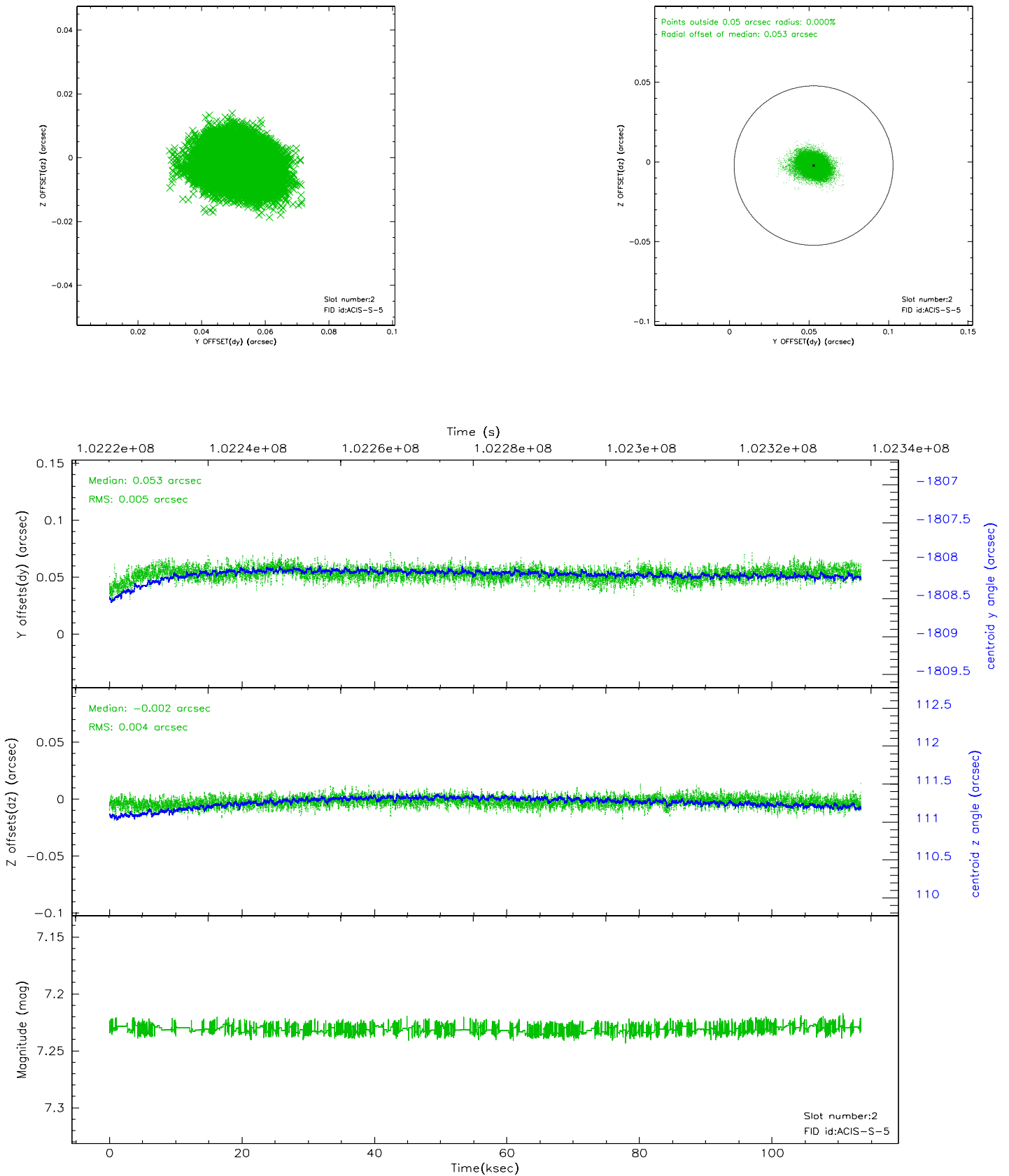
2.5.1 Slot 0



2.5.2 Slot 1

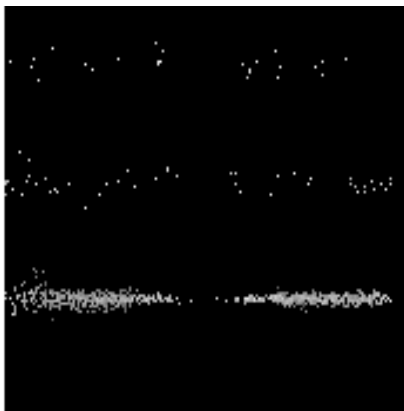


2.5.3 Slot 2

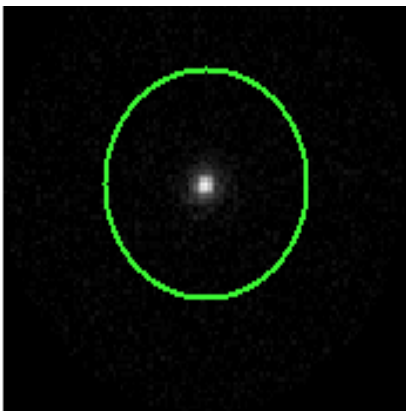


3 Gratings

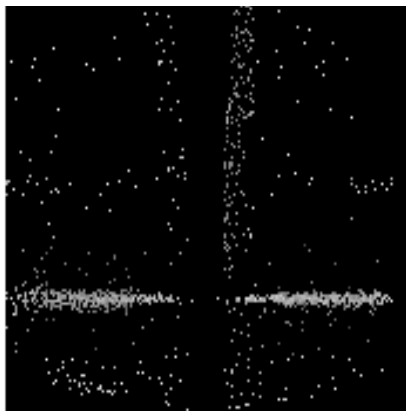
3.1 HEG Arm



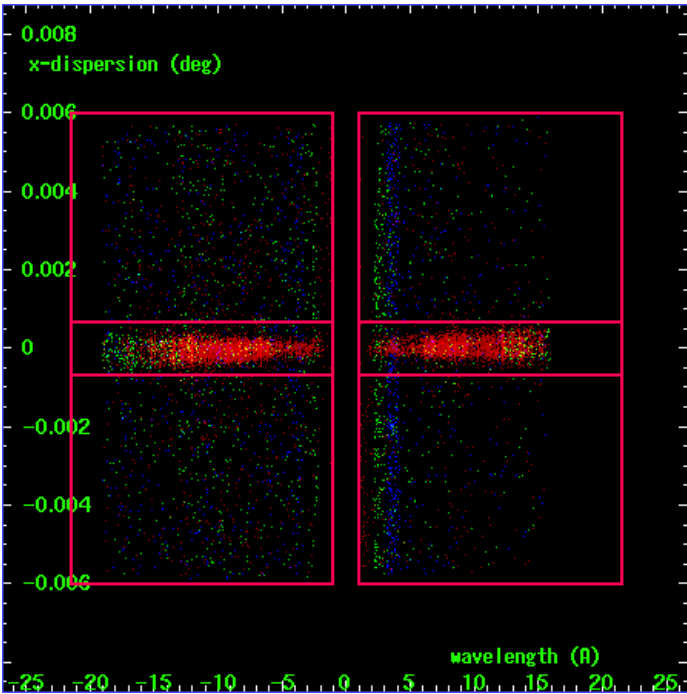
HEG Order Sort 123



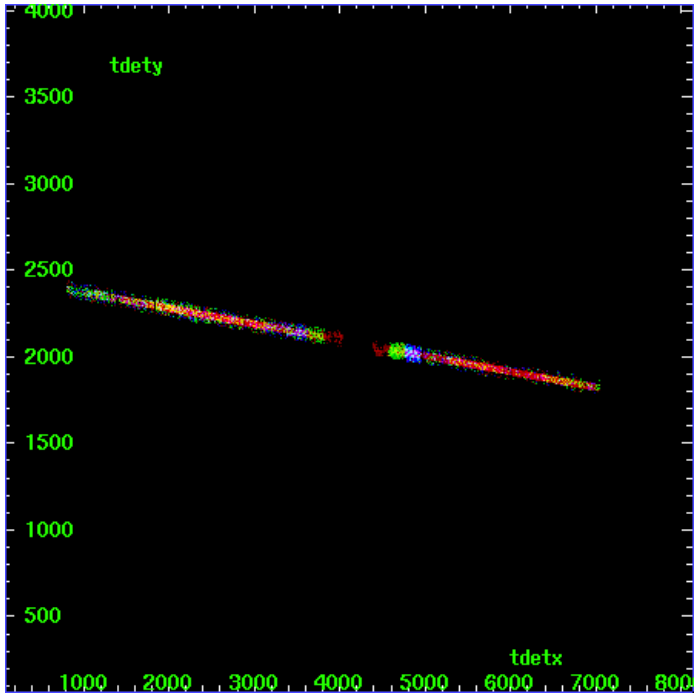
HEG Zero Order



HEG Order Sort ALL

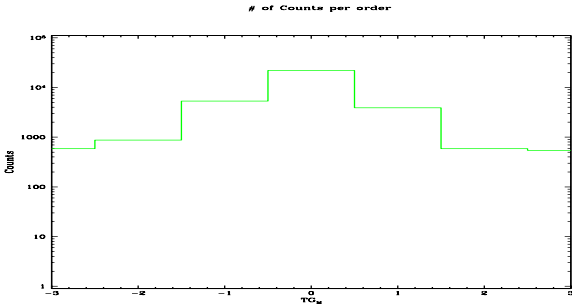


Spot Image HEG

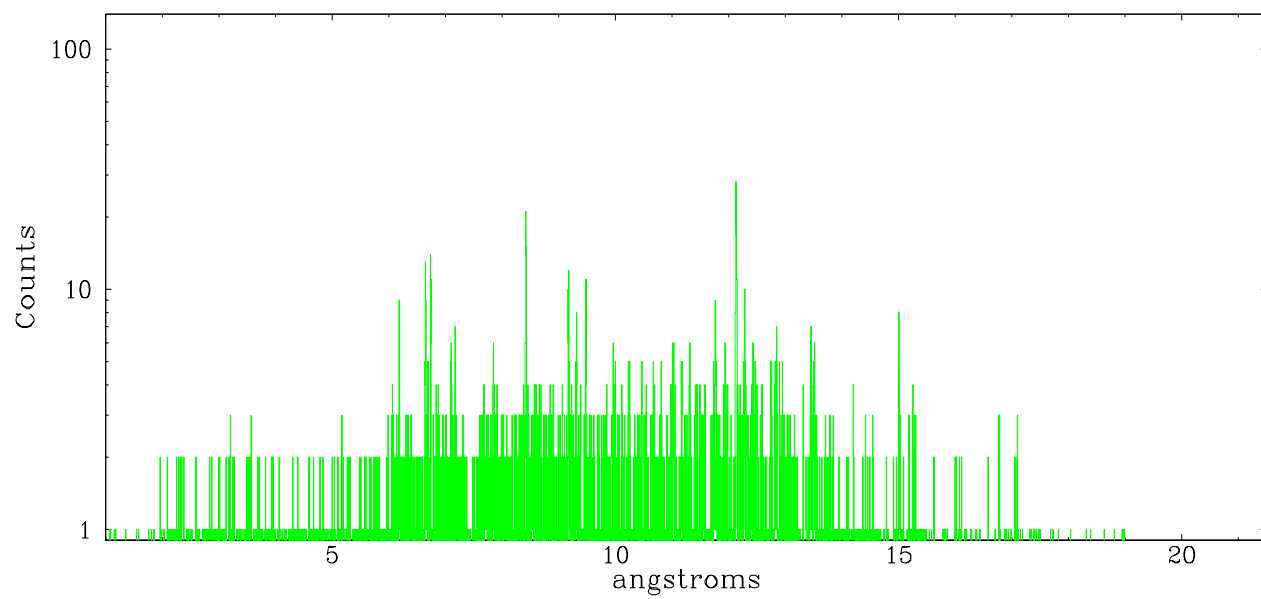


Full Detector HEG

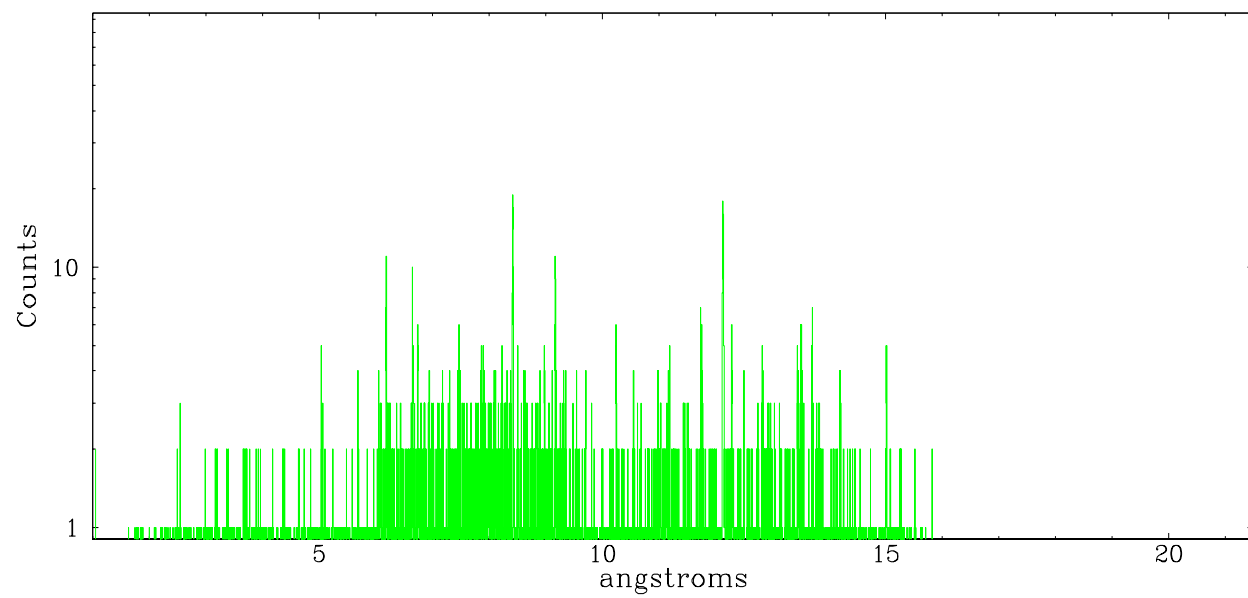
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	585	873	5331	22035	3897	586	543



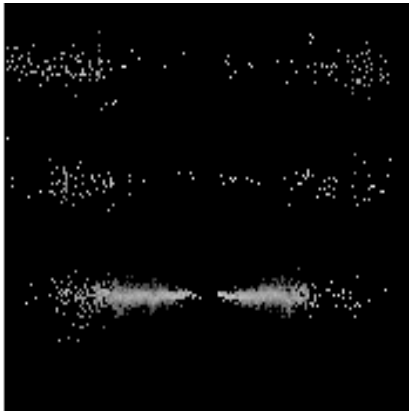
heg order -1



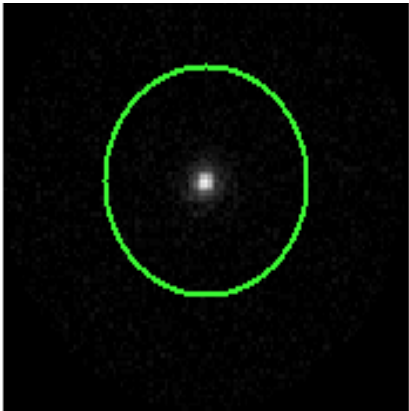
heg order +1



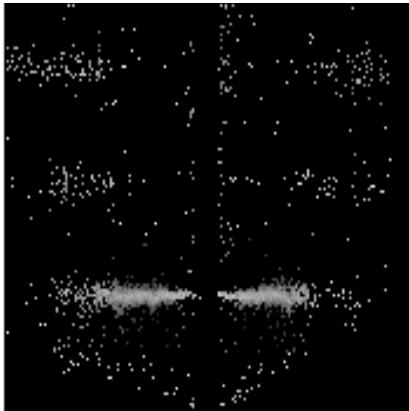
3.2 MEG Arm



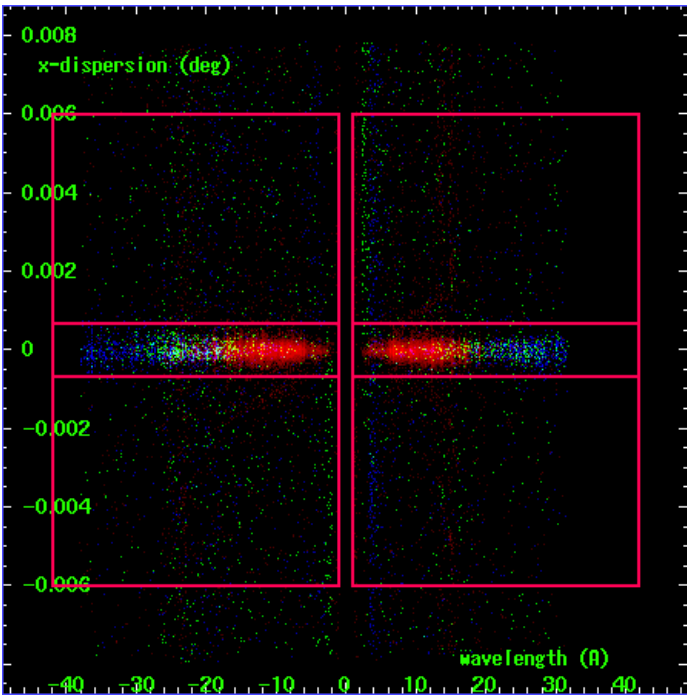
MEG Order Sort 123



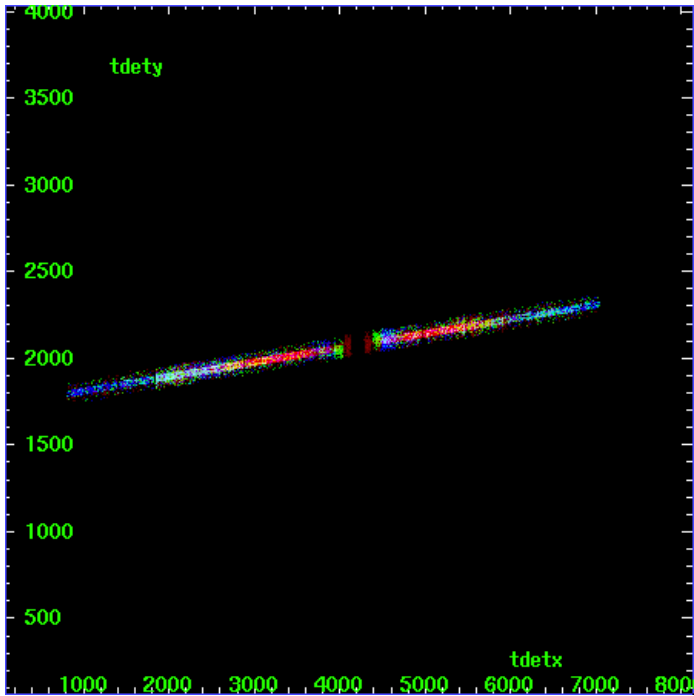
MEG Zero Order



MEG Order Sort ALL

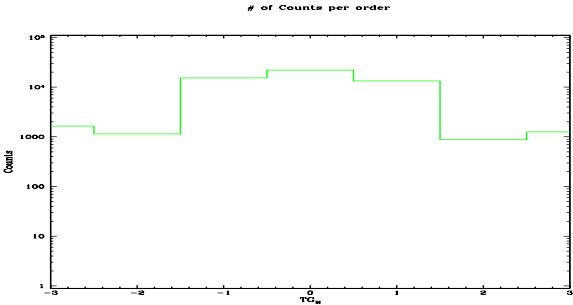


Spot Image MEG

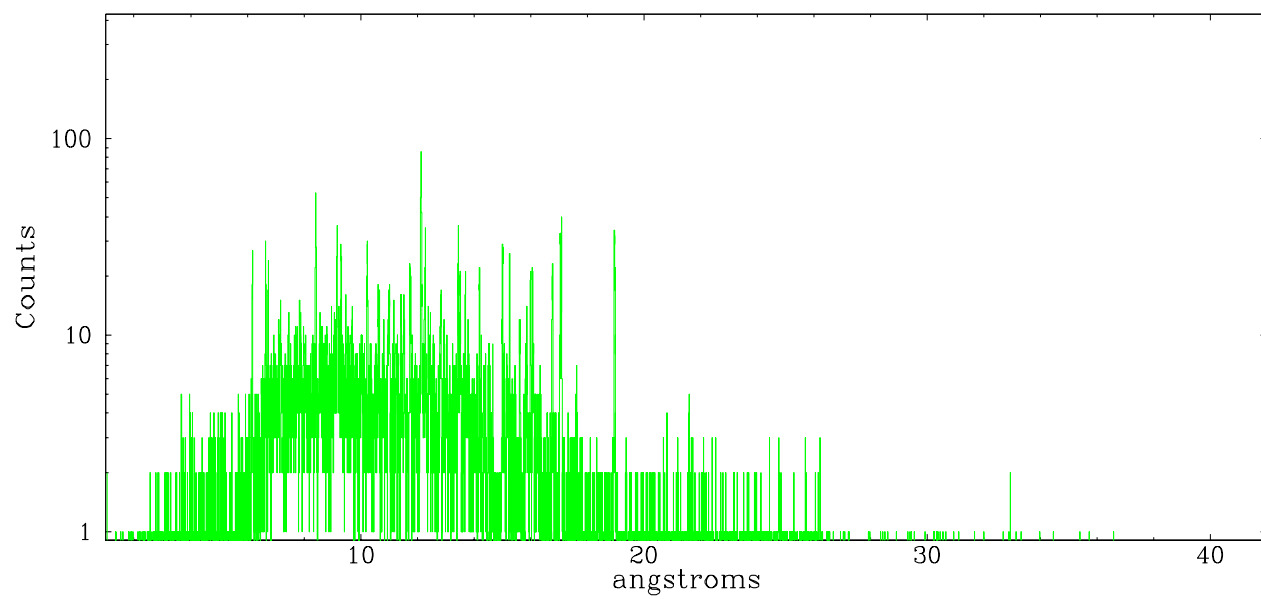


Full Detector MEG

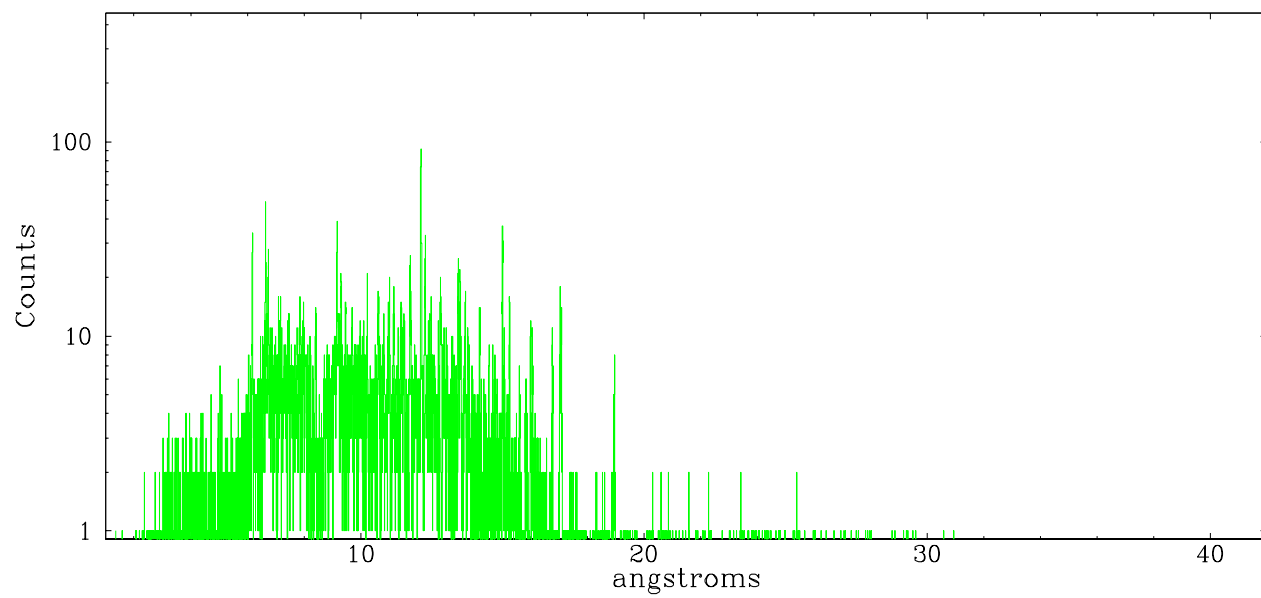
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	1648	1146	15325	22035	13349	874	1259



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	113.449

A.2 Comments