

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5315 - L2 Version 001
Chandra X-Ray Center

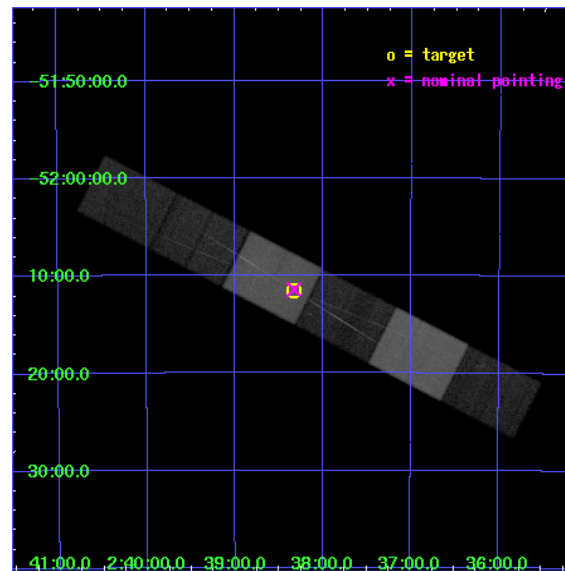
L2 Processing Date : May 27 2006

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1 Front

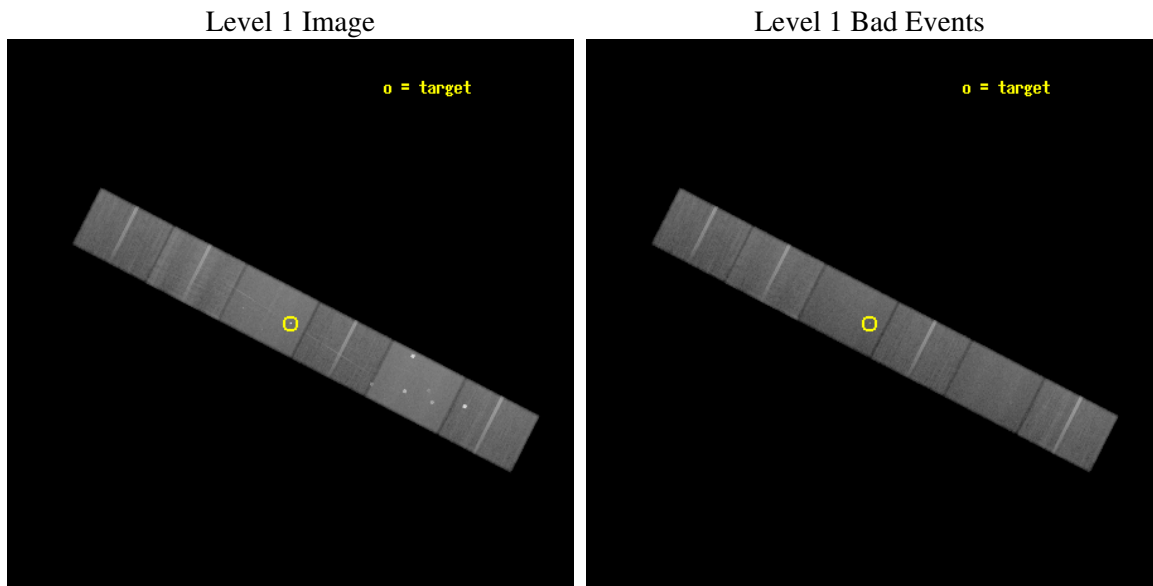
seq_num	700900
obs_id	5315
title	The puzzling iron line emission of ESO198-G24
observer	Dr Stefano Bianchi
object	ESO198-G24
dtcycle	0
cycle	P
ra_targ	39.581667
dec_targ	-52.192778
ra_nom	39.582598810999
dec_nom	-52.190613257184
roll_nom	207.15735954938
revision	2
ontime	71602.5
livetime	70446.057519755
ontime4	71597.417939901
ontime5	71602.5
ontime6	71602.5
ontime7	71602.5
ontime8	71602.5
ontime9	71602.5
l2events	589421



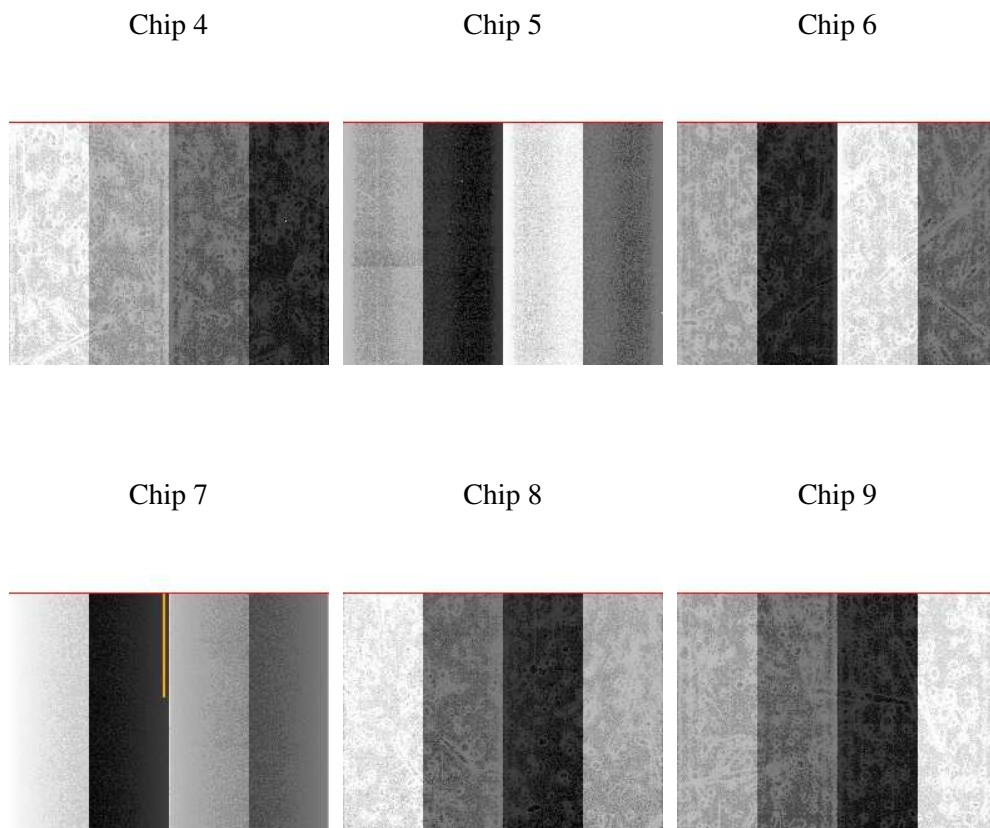
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-27T12:26:25
revision	2

sched_exp_time	71441.265000
ontime	71608.171278507
ontime4	71603.089218408
ontime5	71608.171278507
ontime6	71608.171278507
ontime7	71608.171278507
ontime8	71608.171278507
ontime9	71608.171278507
l1events	2695769

2.1.4 Events

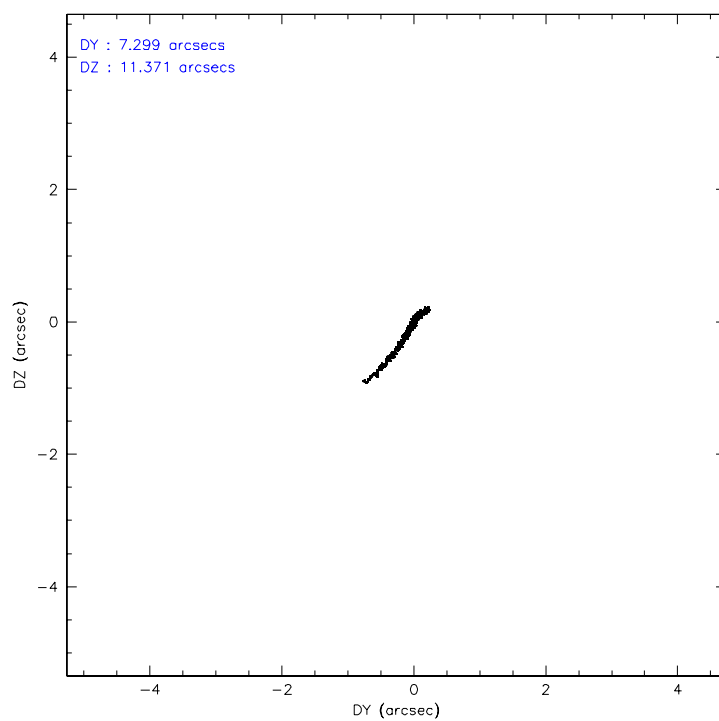
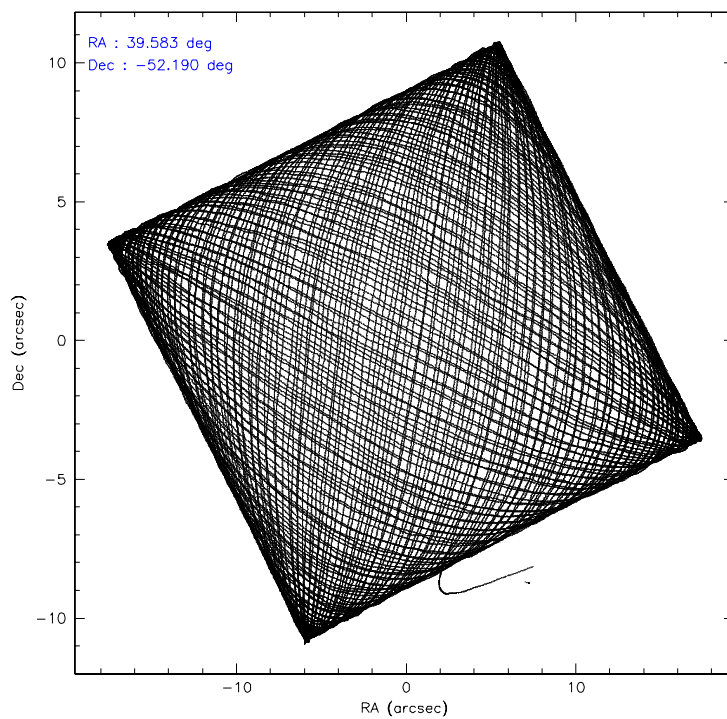
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	424382	559333	373772	500340	468436	369506
rejected events	359462	302030	325203	299921	366606	323109
rejected %	84%	53%	87%	59%	78%	87%

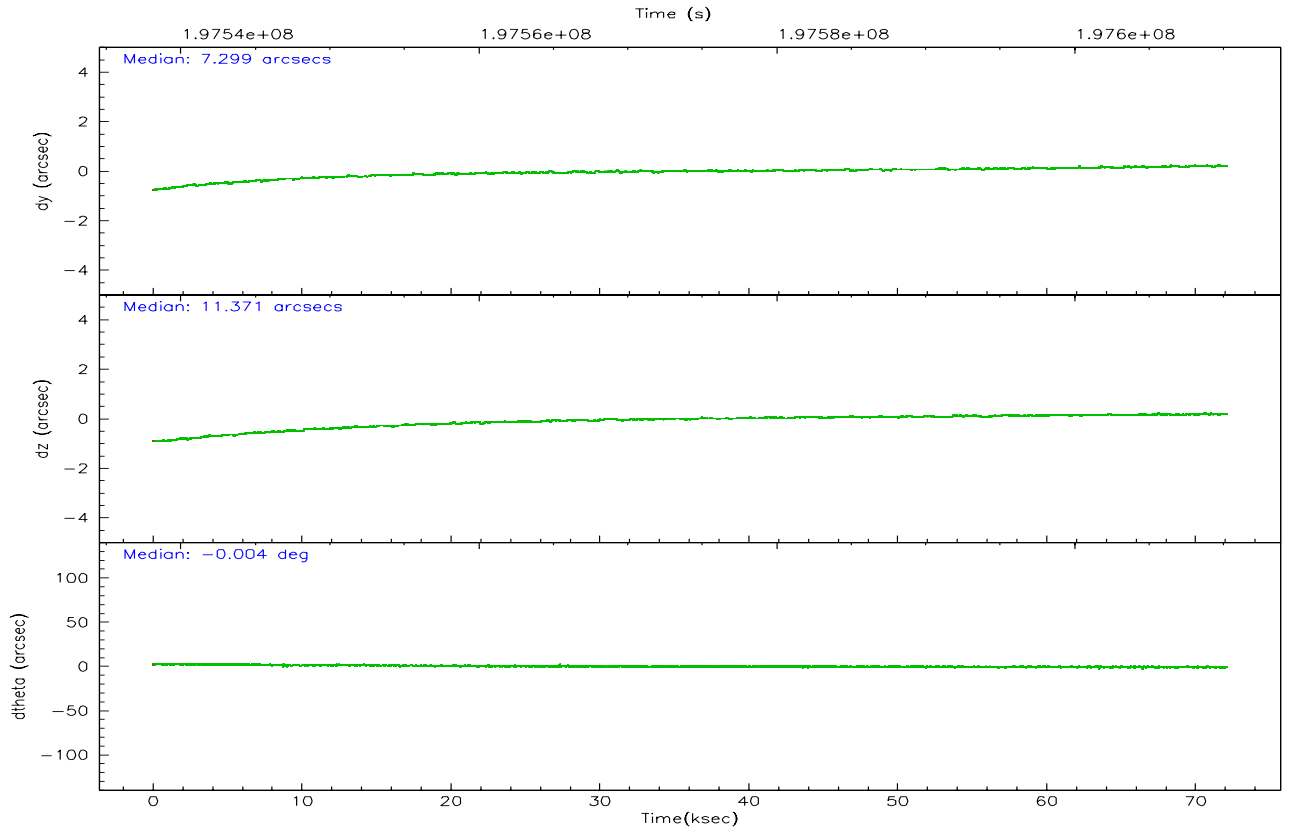
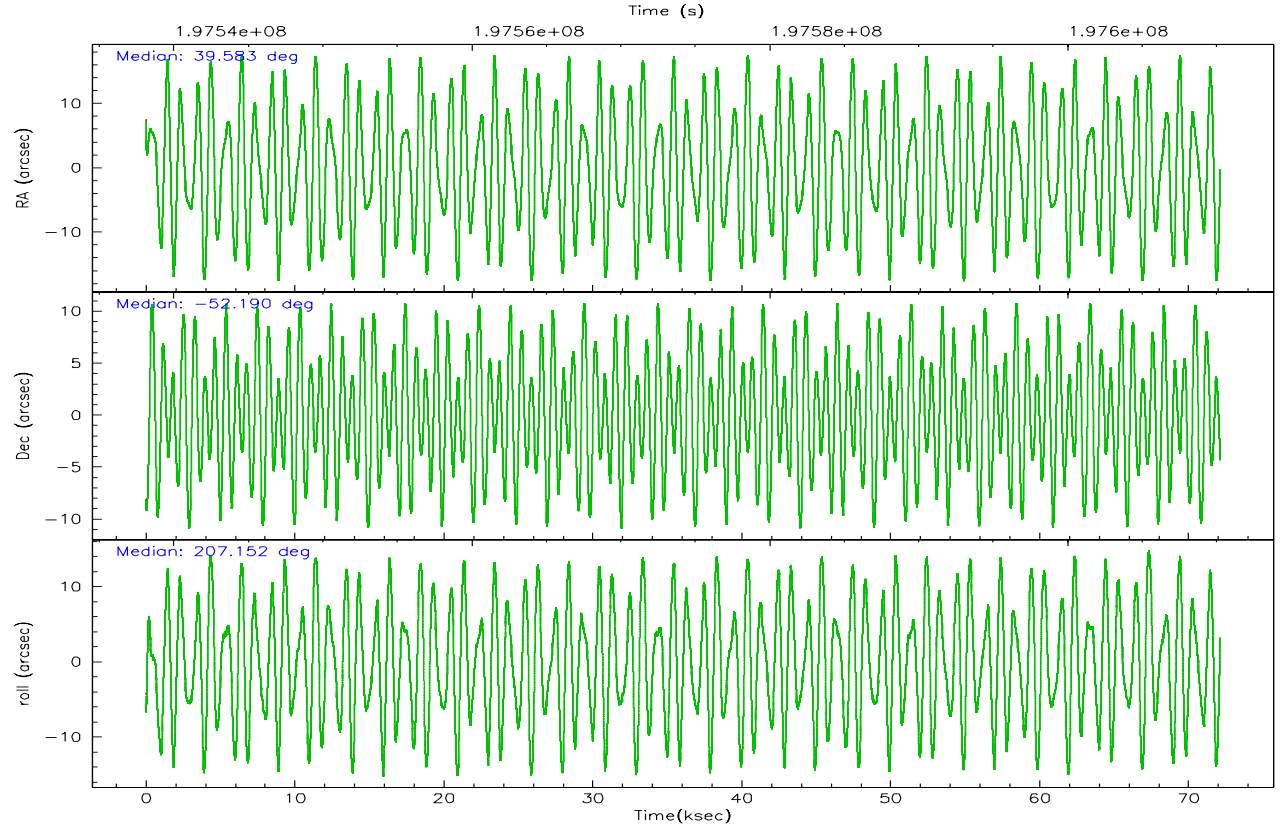
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	37759	36593	20407	13151	32122	18884
	8%	6%	5%	2%	6%	5%
grade 1 events	350	660	130	316	265	173
	0%	0%	0%	0%	0%	0%
grade 2 events	9922	72320	9481	48990	21872	8908
	2%	12%	2%	9%	4%	2%
grade 3 events	4943	6327	4796	11939	10923	4915
	1%	1%	1%	2%	2%	1%
grade 4 events	4647	6188	4751	11667	10496	4767
	1%	1%	1%	2%	2%	1%
grade 5 events	15764	27225	16616	34921	21695	17726
	3%	4%	4%	6%	4%	4%
grade 6 events	7652	135896	9138	114690	26426	8924
	1%	24%	2%	22%	5%	2%
grade 7 events	343345	274124	308453	264666	344637	305209
	80%	49%	82%	52%	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	CUSTOM	CUSTOM
Pointing RA	39.606144	39.58259881099853	Subarray start row	1	1
Pointing Dec	-52.167548	-52.19061325718353	Subarray row count	774	774
Pointing Roll	207.019330	207.157359549375	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	2.5
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1254020033014			
SIM translation stage offset (mm)	-3	-3.007120579706367			
Observation start time	197538805.184000	197537596.99576			
Observation start date	2004-04-05T07:52:21	2004-04-05T07:33:16			
Observation end time	197610246.184000	197610561.11146			
Observation end date	2004-04-06T03:43:02	2004-04-06T03:49:21			
Read mode	TIMED	TIMED			

2.3 Aspect



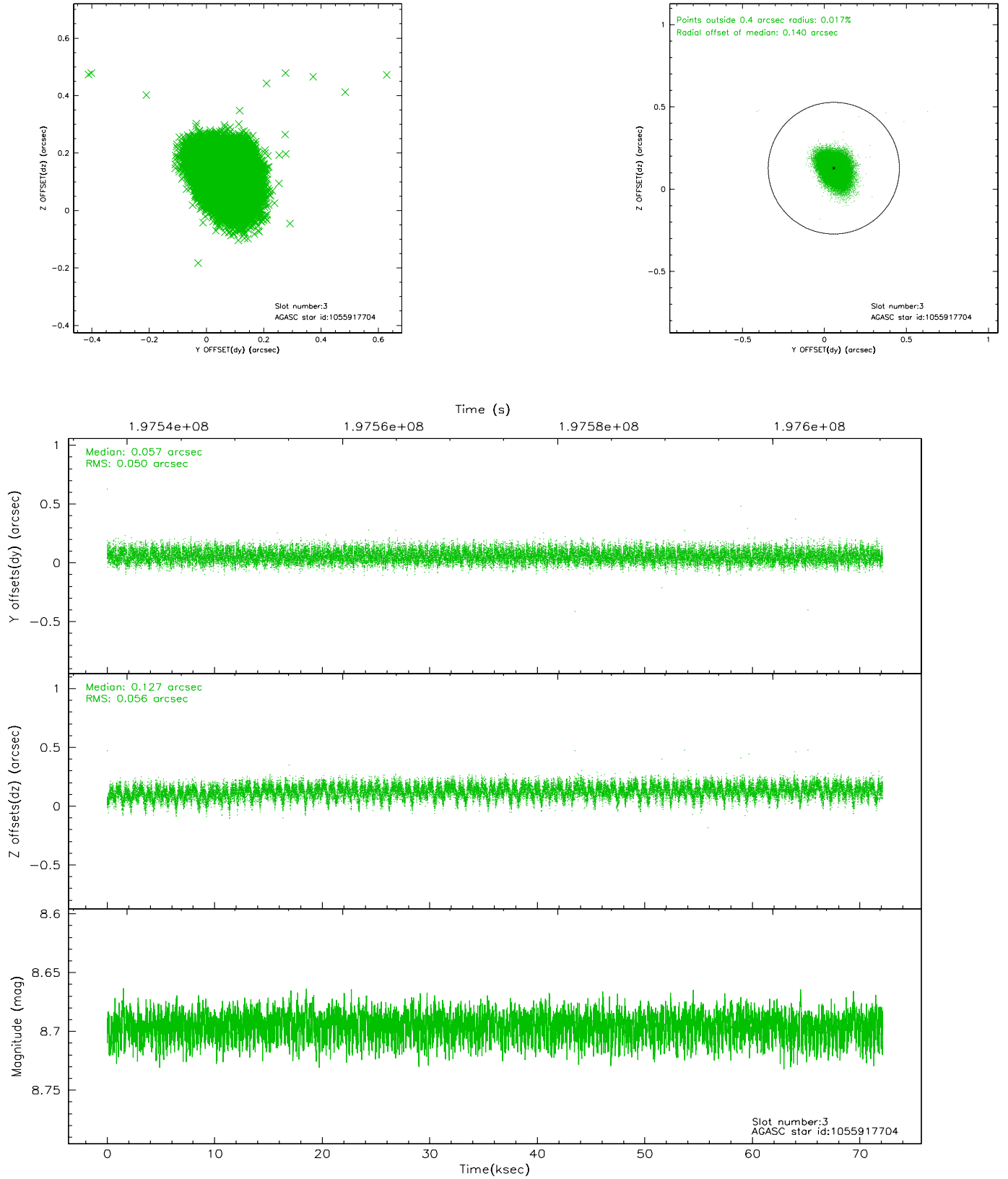


Slot Statistics

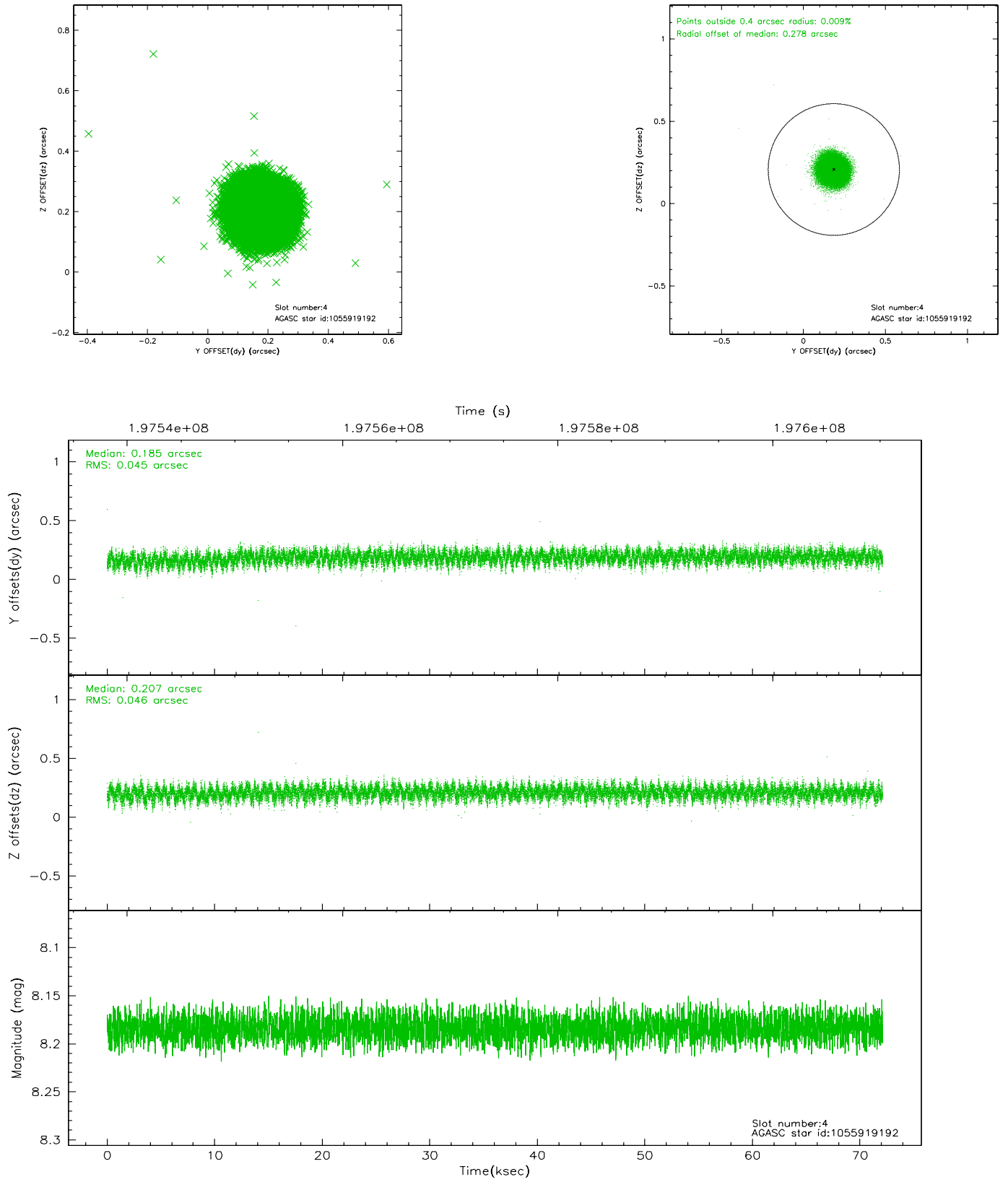
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	17591	-0.037	-0.058	0.009	0.019	0.000000	0.000000	-759.84	-1794.69
1	FID	ACIS-S-4	7.18	17591	0.033	0.033	0.008	0.021	0.000000	0.000000	2153.54	113.93
2	FID	ACIS-S-5	7.23	17592	-0.028	0.033	0.008	0.017	0.000000	0.000000	-1812.74	107.54
3	GUIDE	1055917704	8.70	35177	0.057	0.127	0.079	0.129	38.591744	-51.795371	1411.00	-2205.12
4	GUIDE	1055919192	8.18	35177	0.185	0.207	0.068	0.109	40.132773	-51.788379	-1662.25	-679.16
5	GUIDE	1112024080	9.72	35150	0.037	-0.154	0.104	0.170	39.122158	-52.516812	1517.65	641.95
6	GUIDE	1112024616	9.09	35163	-0.134	-0.103	0.075	0.122	39.290431	-52.557445	1253.97	938.28
7	GUIDE	1112026416	9.11	35166	-0.142	-0.070	0.120	0.174	39.365217	-52.874513	1623.00	2030.71

2.4 Star Slots

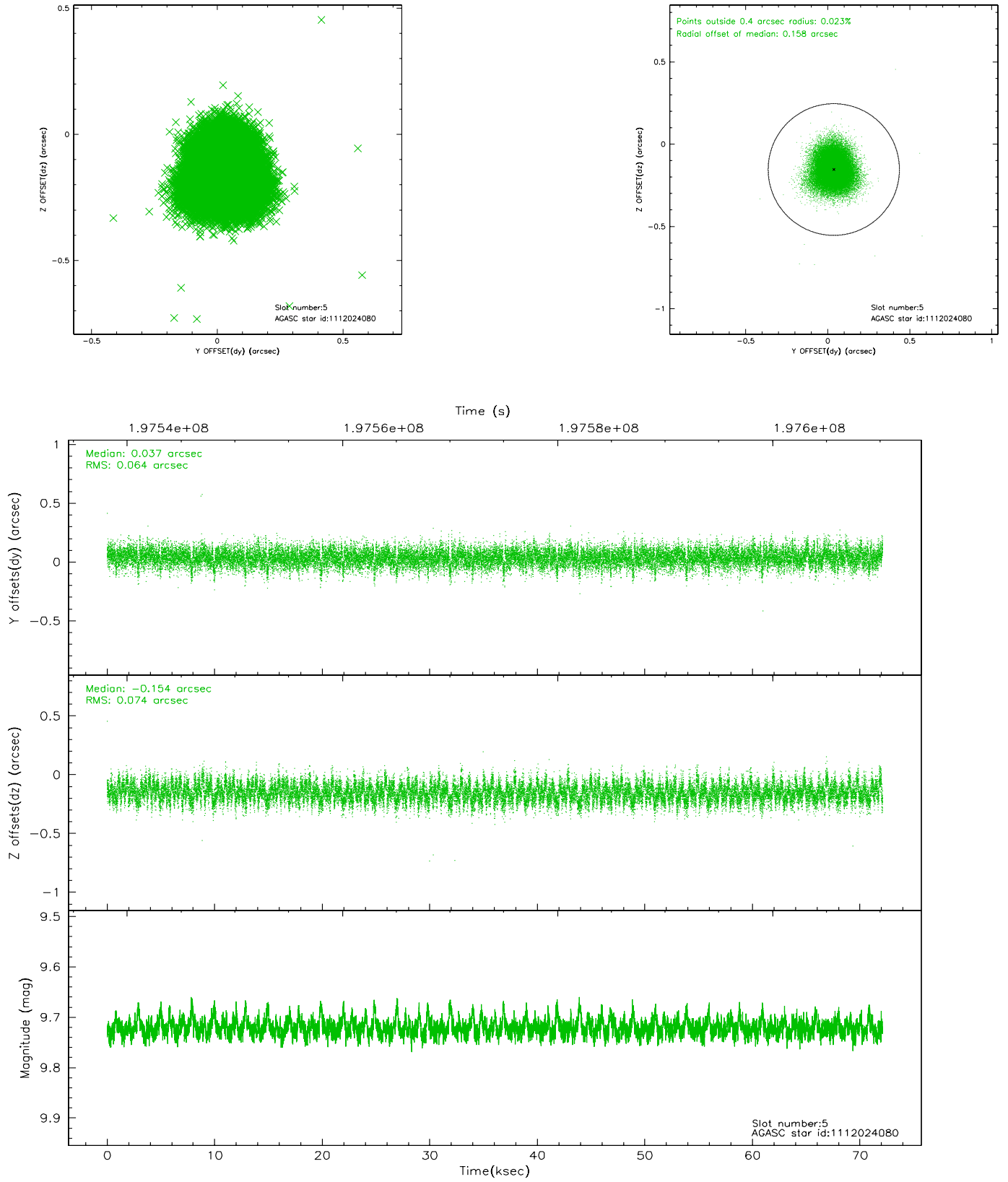
2.4.1 Slot 3



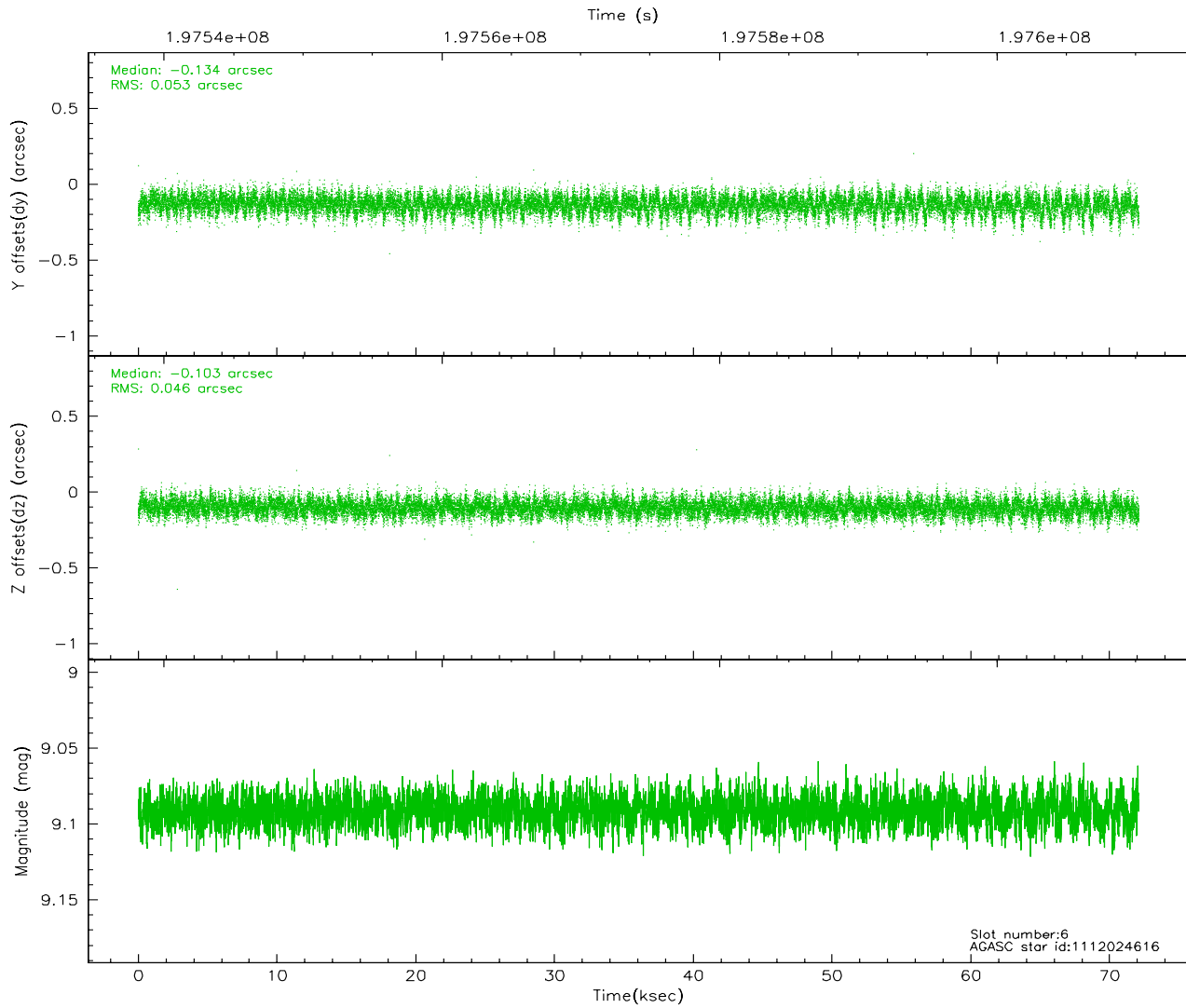
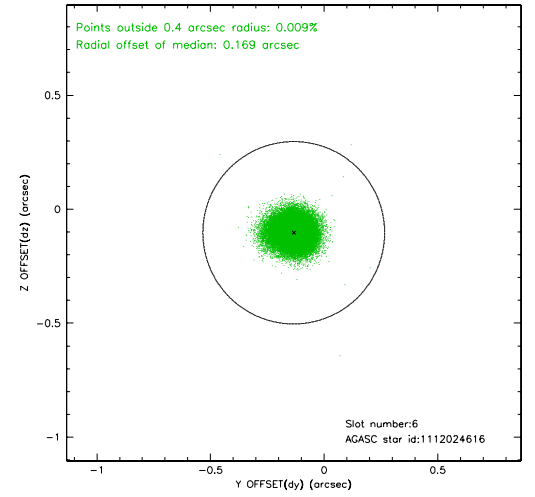
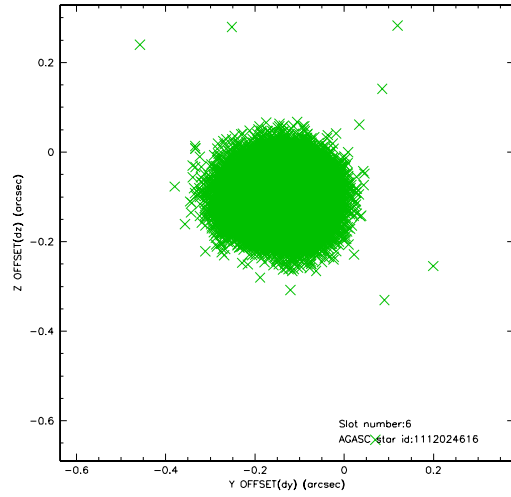
2.4.2 Slot 4



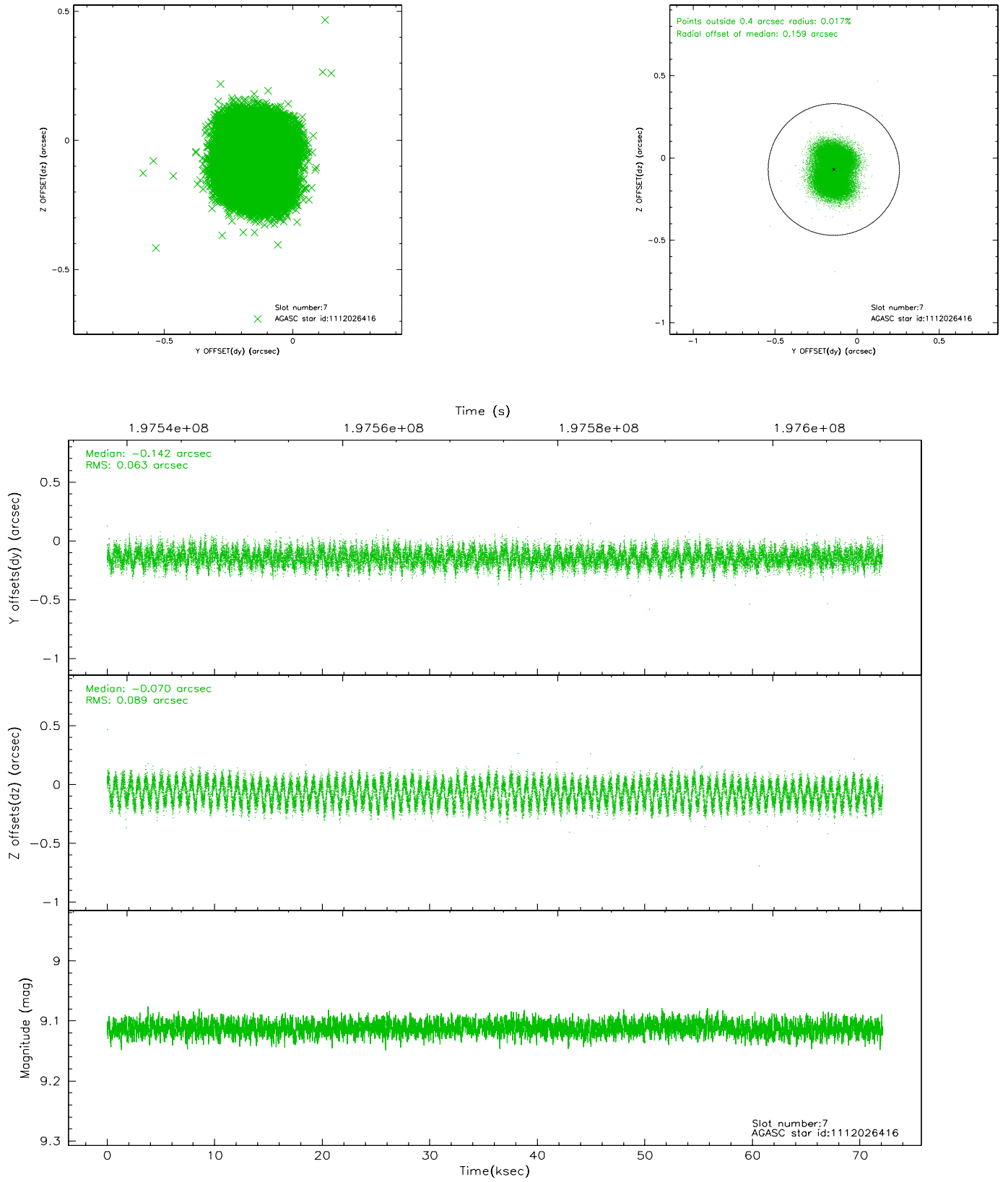
2.4.3 Slot 5



2.4.4 Slot 6

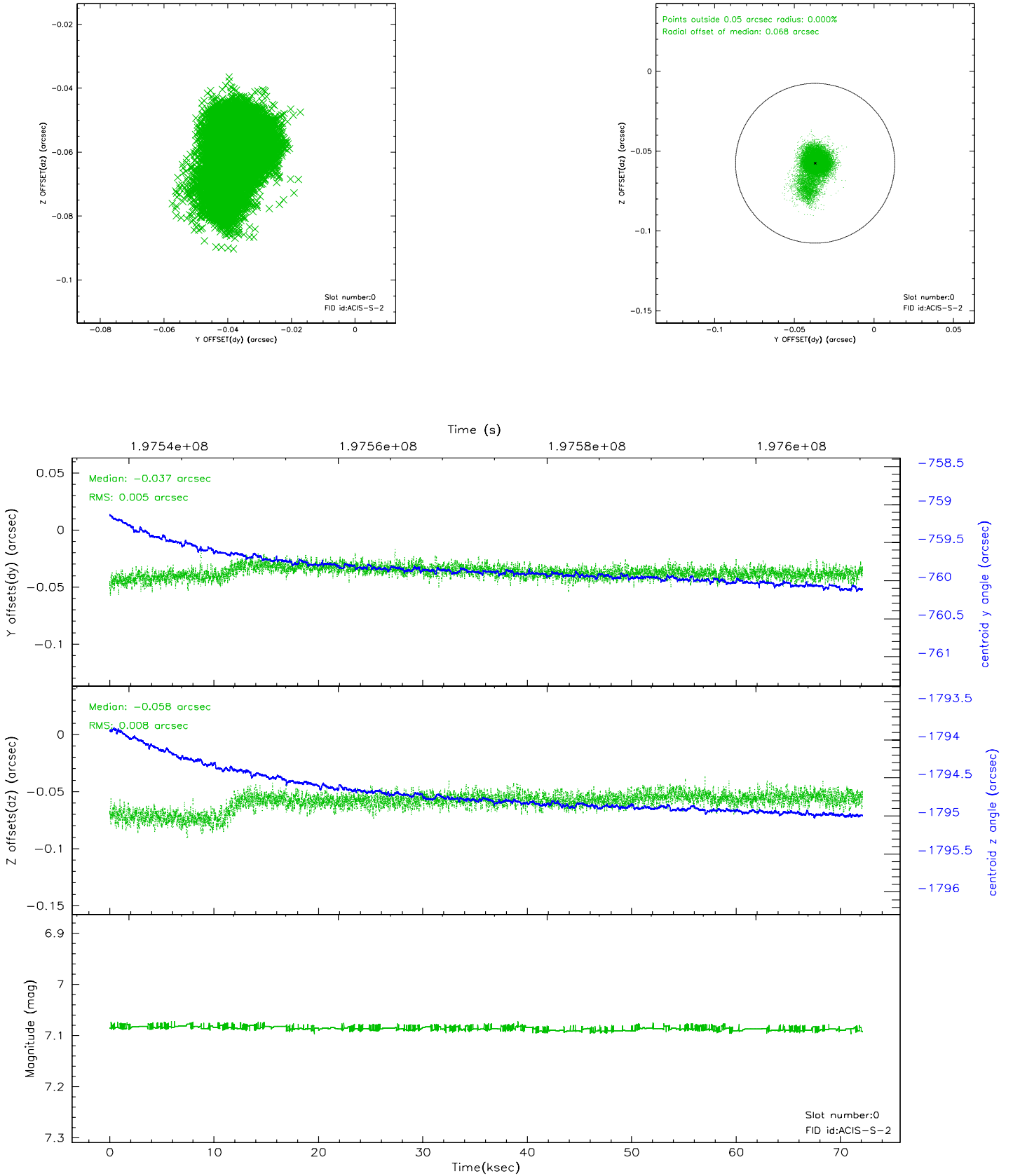


2.4.5 Slot 7

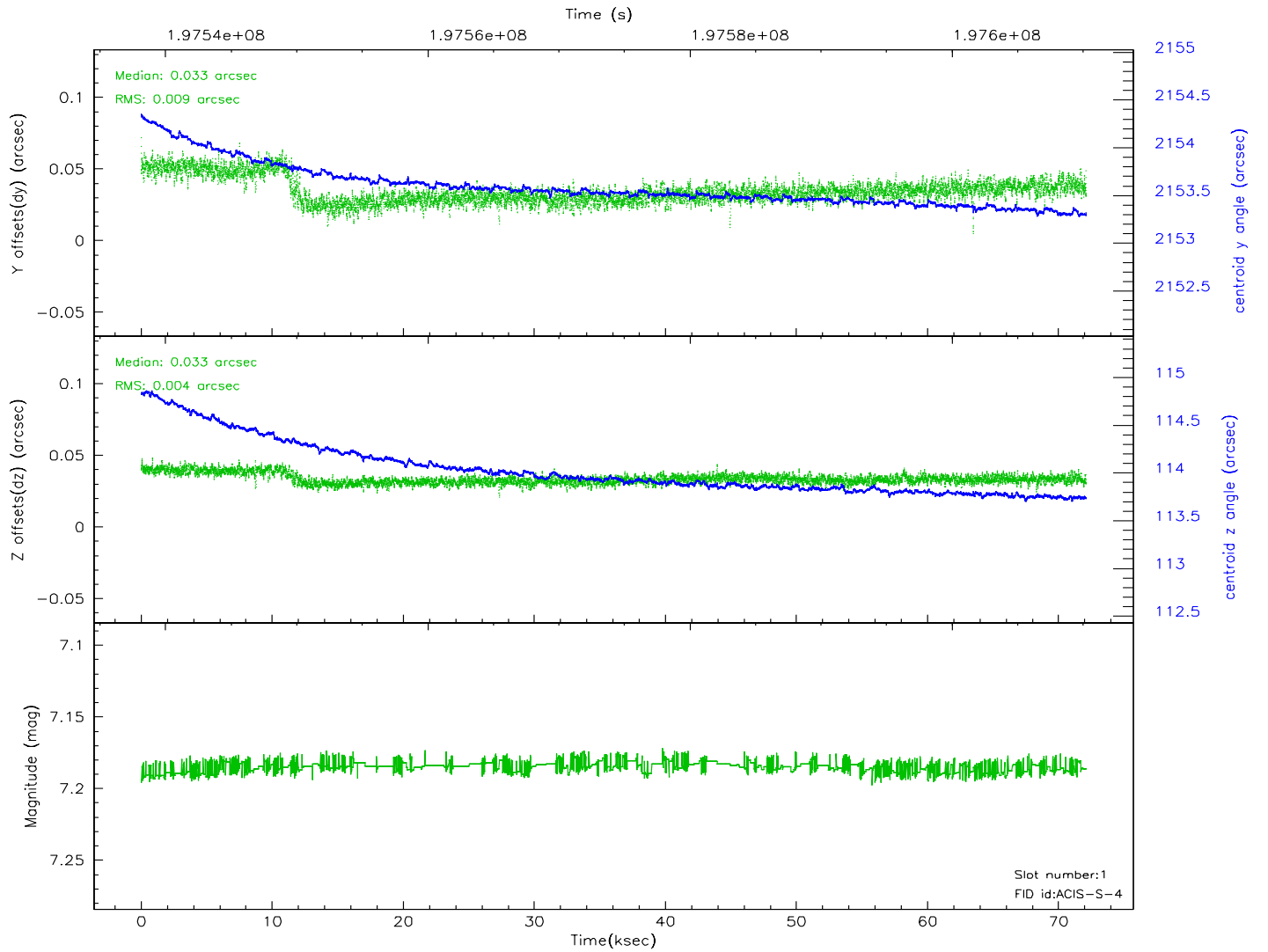
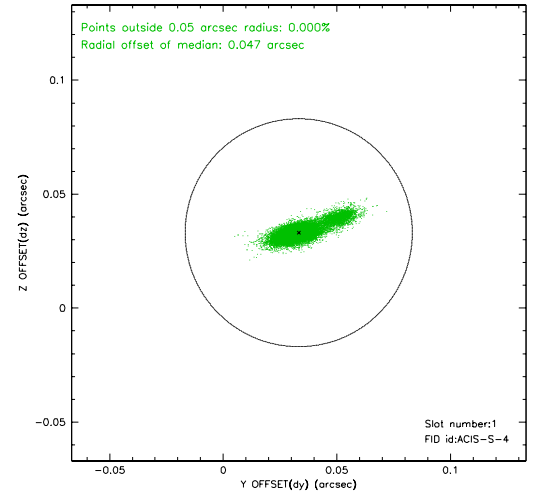
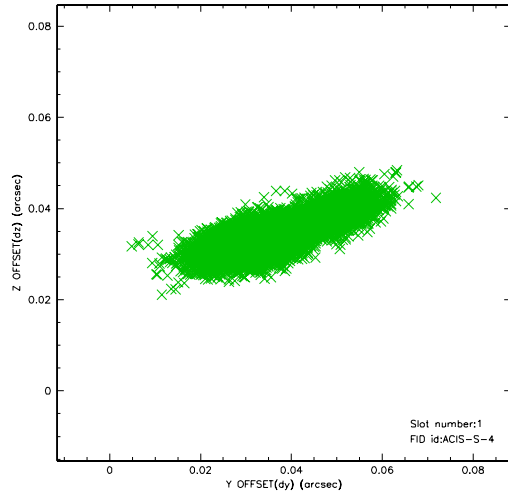


2.5 FID Slots

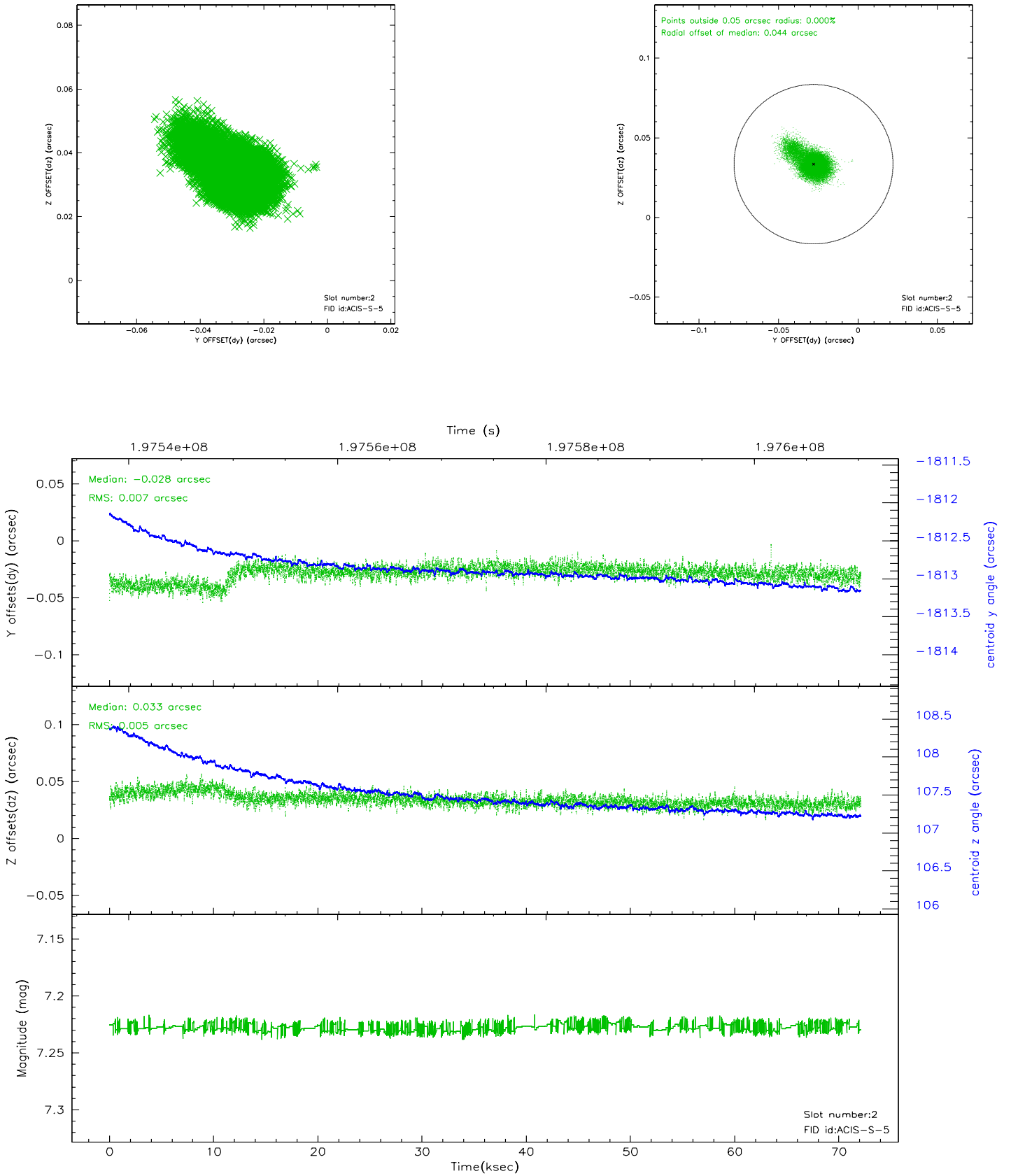
2.5.1 Slot 0



2.5.2 Slot 1

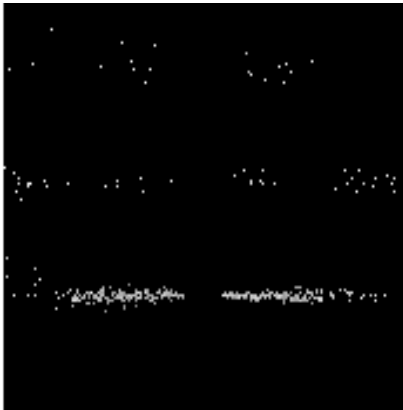


2.5.3 Slot 2

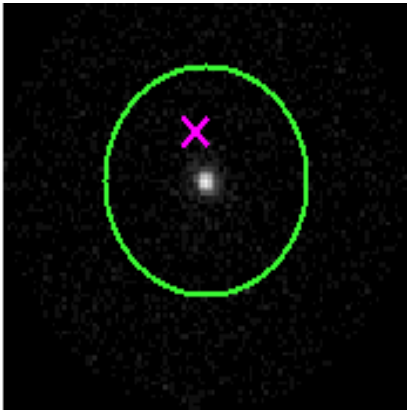


3 Gratings

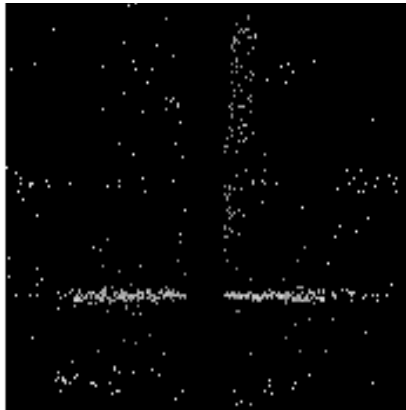
3.1 HEG Arm



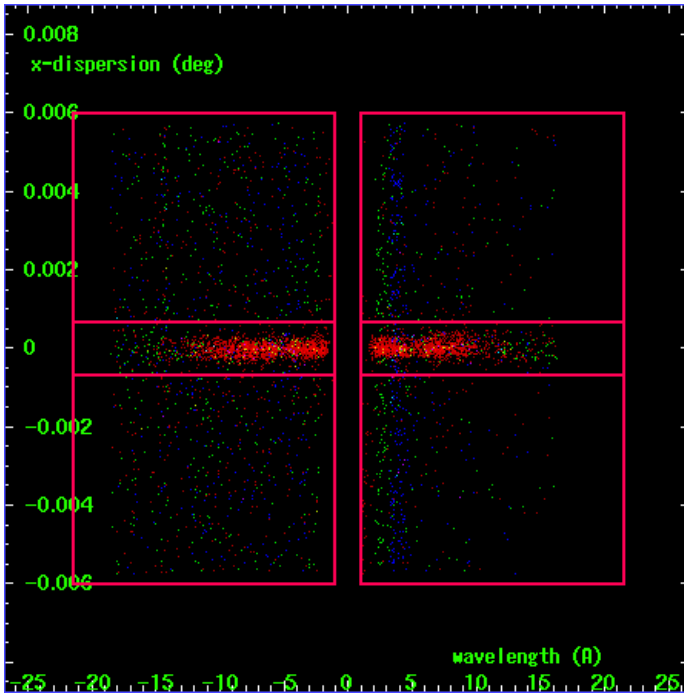
HEG Order Sort 123



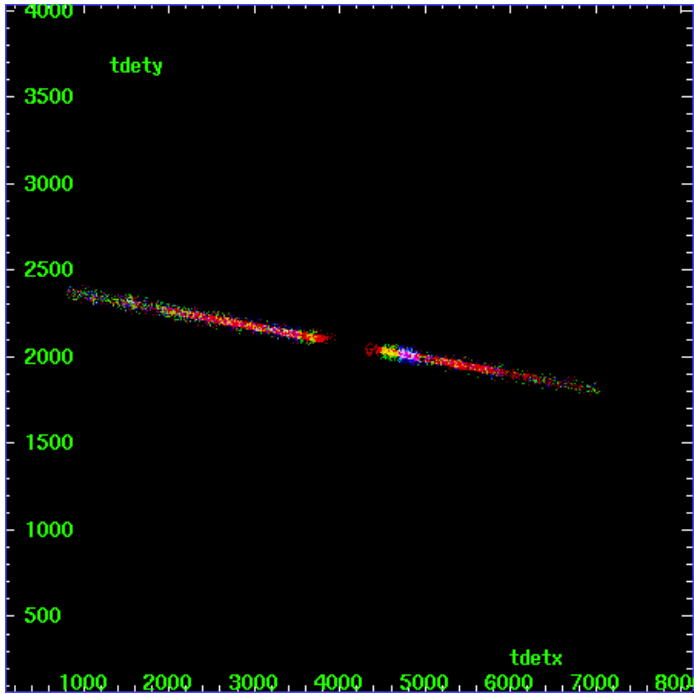
HEG Zero Order



HEG Order Sort ALL

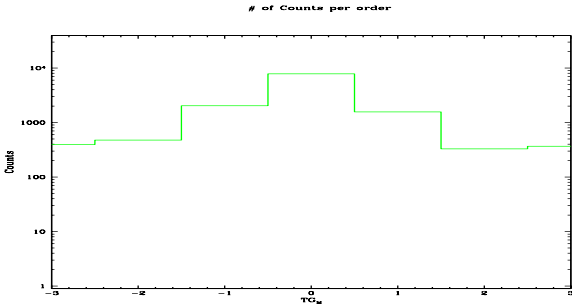


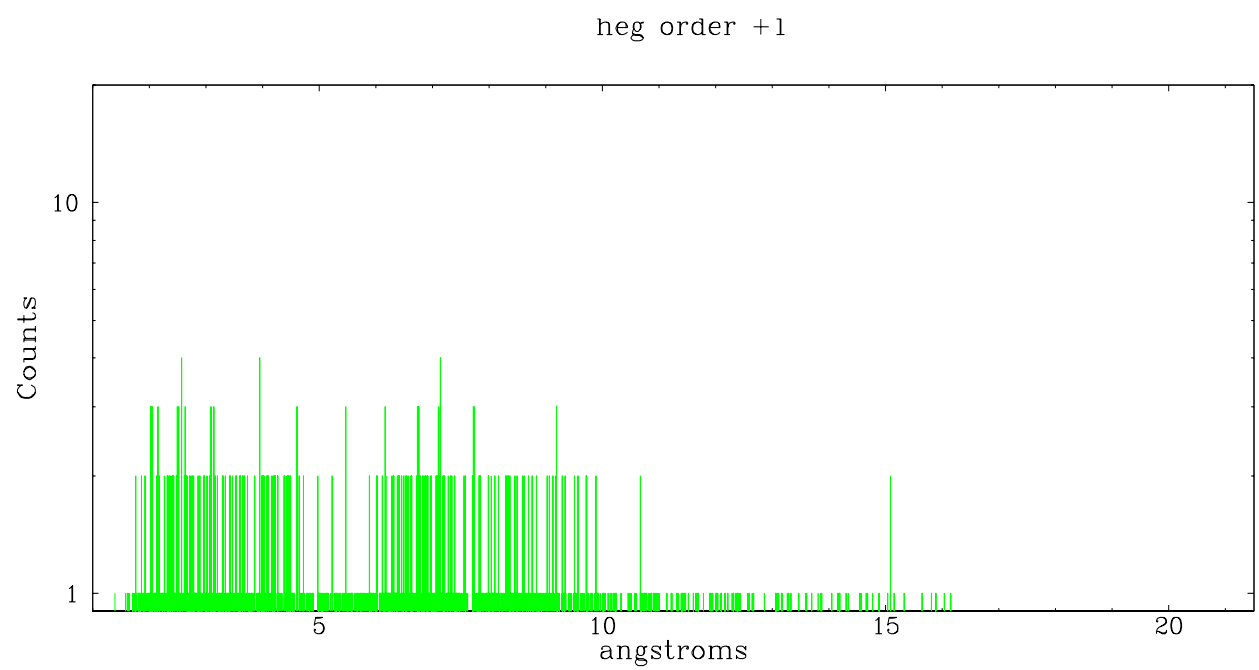
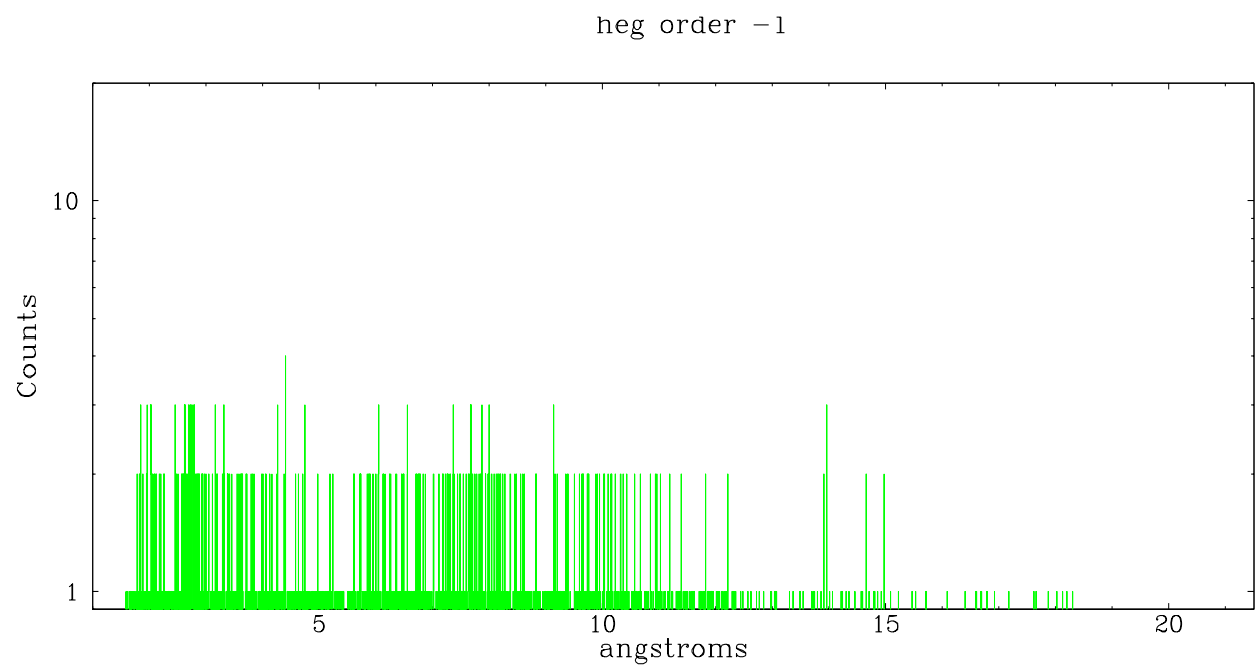
Spot Image HEG



Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	396	478	2036	7852	1572	329	368

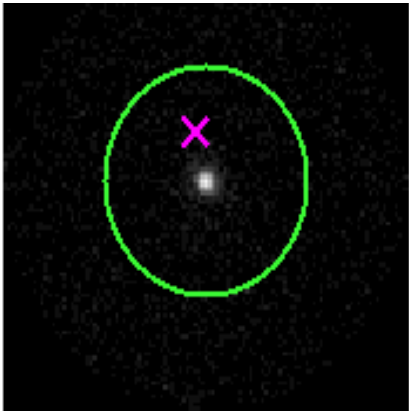




3.2 MEG Arm



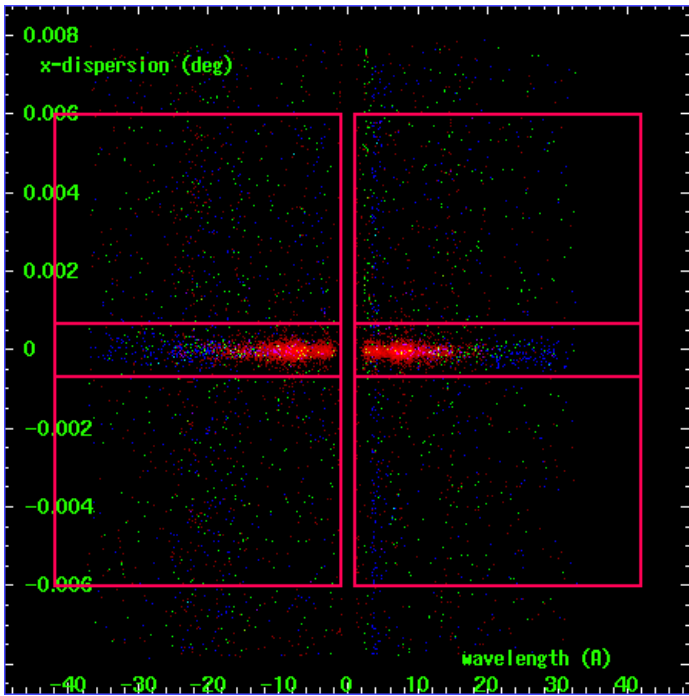
MEG Order Sort 123



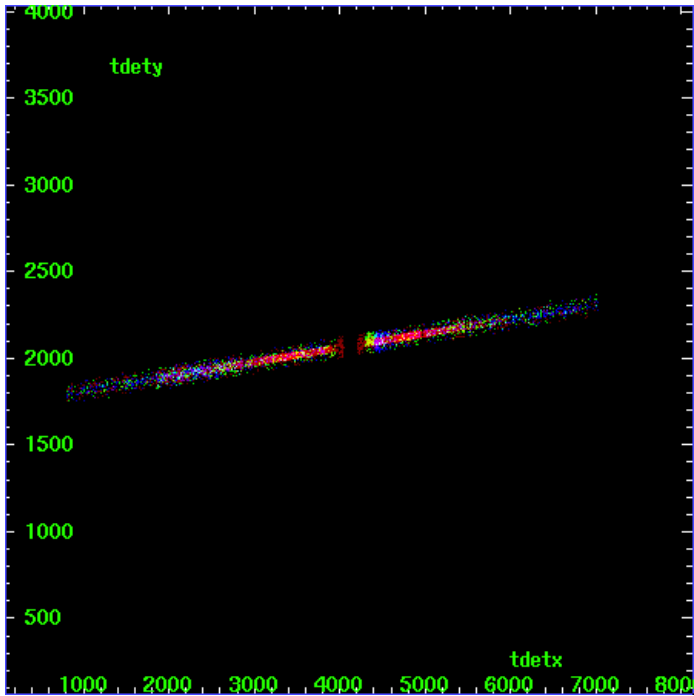
MEG Zero Order



MEG Order Sort ALL

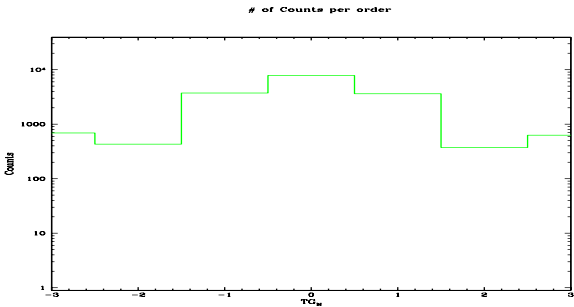


Spot Image MEG

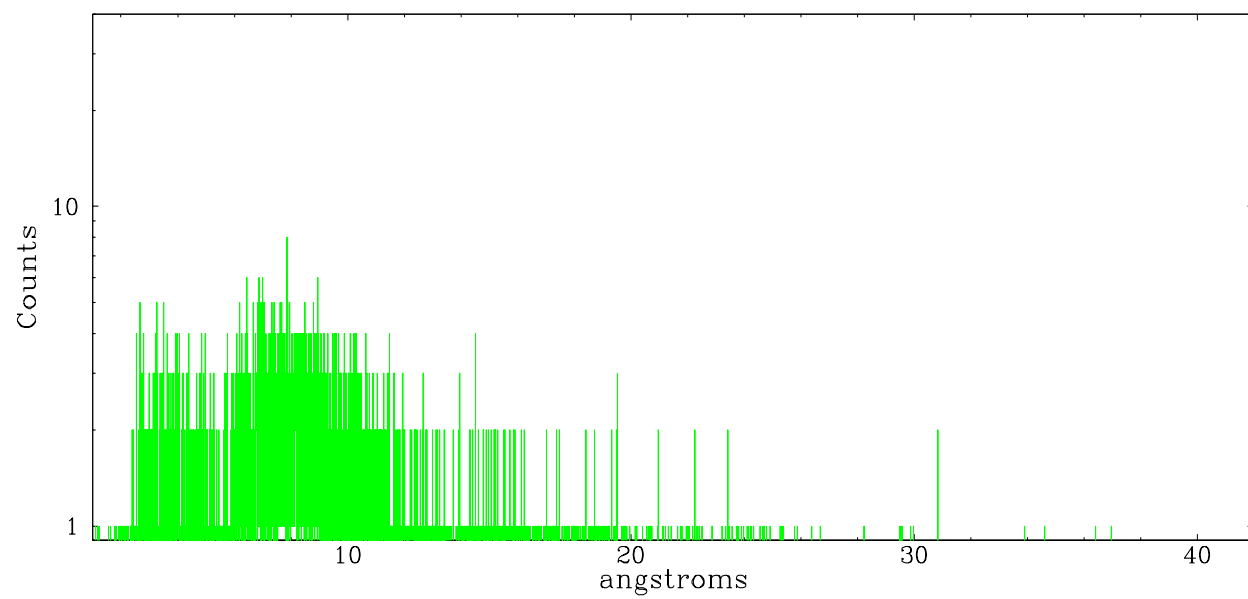


Full Detector MEG

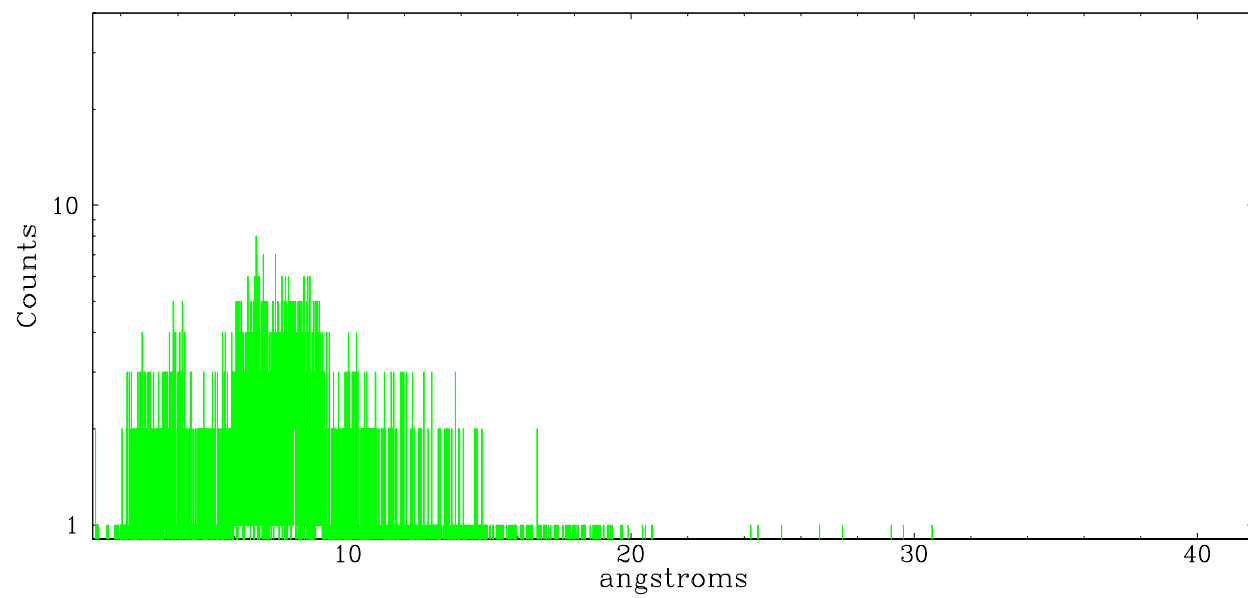
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	691	431	3746	7852	3613	374	626



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	71.502

A.2 Comments