

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6244 - L2 Version 2
Chandra X-Ray Center

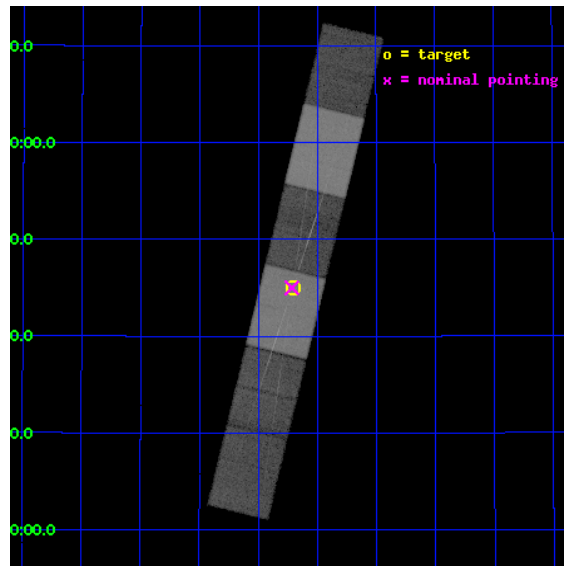
L2 Processing Date : Mar 22 2012

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1 Front

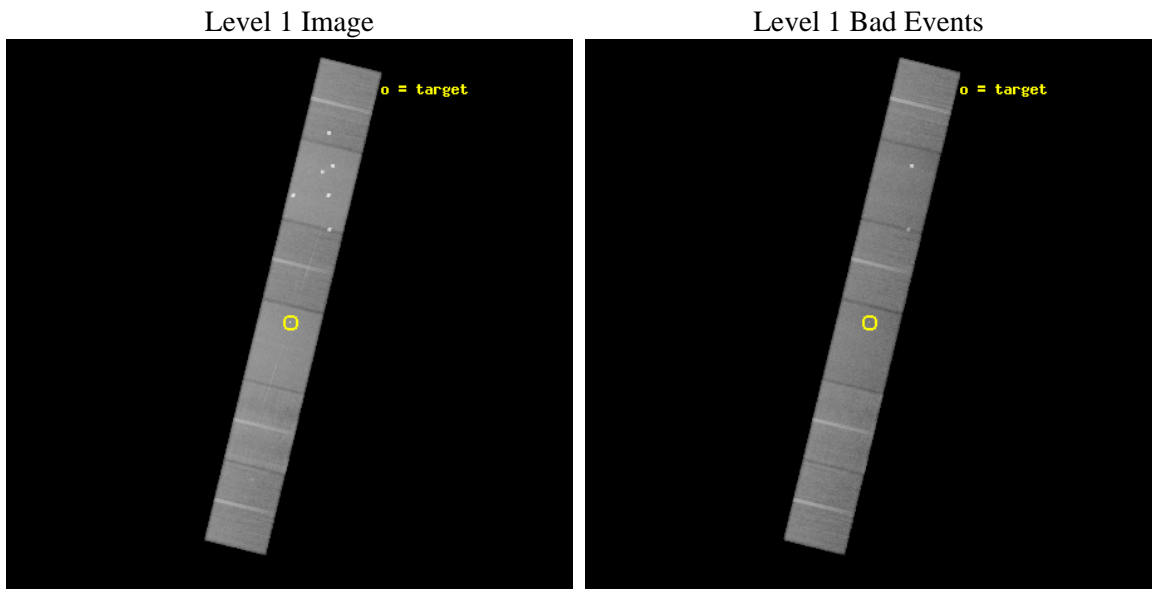
seq_num	701023	Sequence number
obs_id	6244	Observation id
title	The High Velocity Ionized Outflow of PG 0844+349	Proposal title
observer	Prof Claude Canizares	Principal investigator
object	PG 0844+349	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	131.926667	Observer's specified target RA [deg]
dec_targ	34.751111	Observer's specified target Dec [deg]
ra_nom	131.9290510458	Nominal RA [deg]
dec_nom	34.750075995939	Nominal Dec [deg]
roll_nom	103.65527626047	Nominal Roll [deg]
revision	2	Processing version of data
ontime	50162.5	Sum of GTIs [s]
livetime	49352.332115984	Livetime [s]
ontime4	50162.5	Sum of GTIs [s]
ontime5	50162.5	Sum of GTIs [s]
ontime6	50162.5	Sum of GTIs [s]
ontime7	50162.5	Sum of GTIs [s]
ontime8	50162.5	Sum of GTIs [s]
ontime9	50162.5	Sum of GTIs [s]
l2events	496884	Number of level 2 events



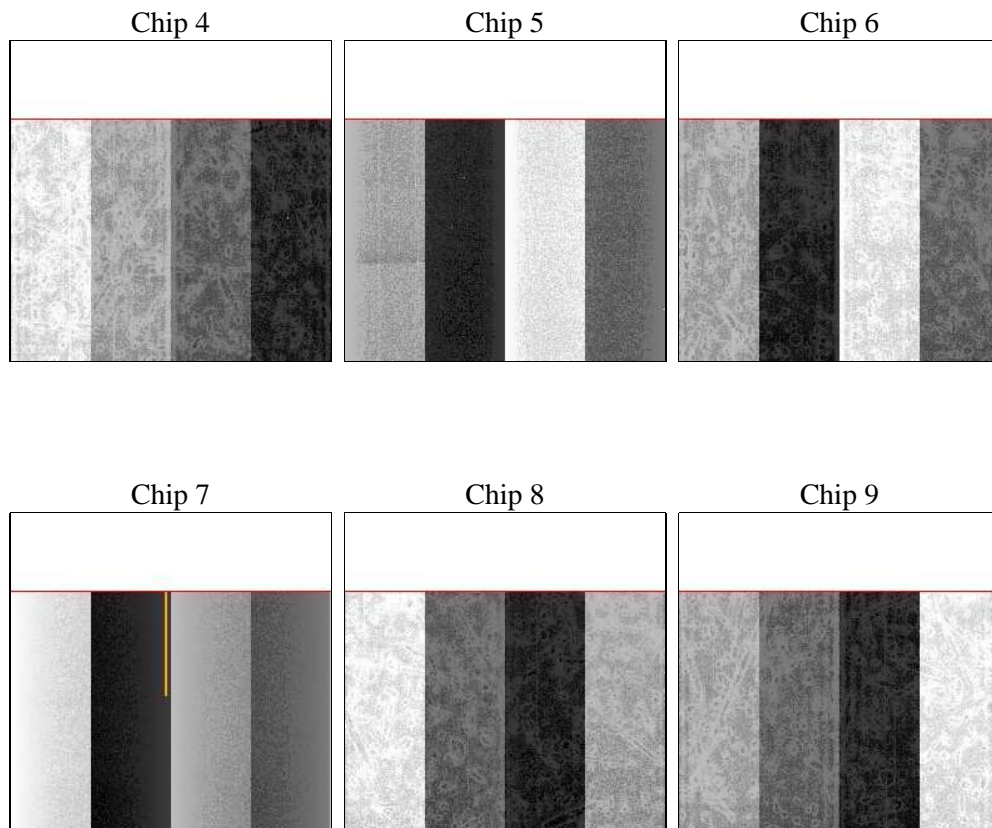
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	50162.5	Sum of GTIs [s]
caldbver	4.4.8	 	ontime4	50162.5	Sum of GTIs [s]
date	2012-03-22T01:57:58	Date and time of file creation	ontime5	50162.5	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	50162.5	Sum of GTIs [s]
			ontime7	50162.5	Sum of GTIs [s]
			ontime8	50162.5	Sum of GTIs [s]
			ontime9	50162.5	Sum of GTIs [s]
			l1events	2303443	Number of level 1 events

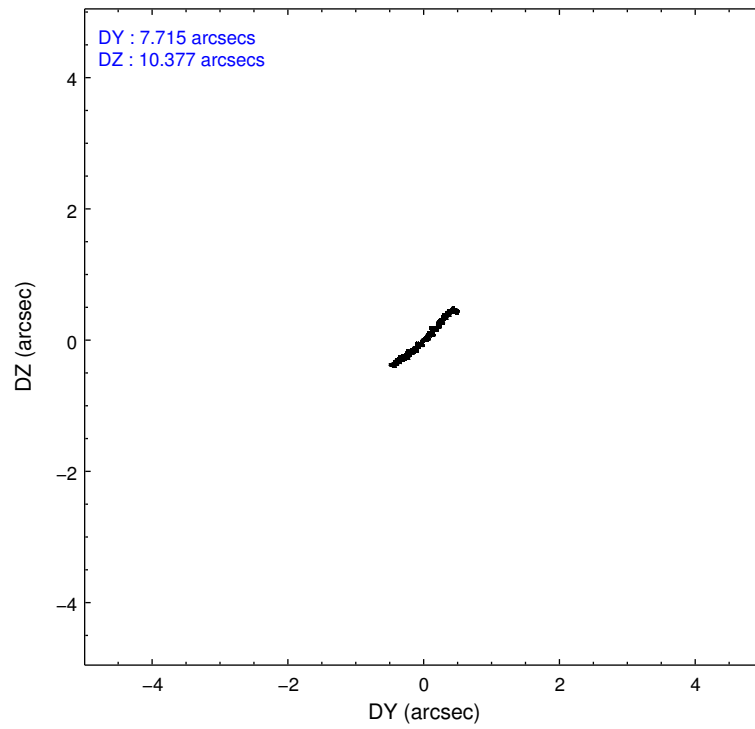
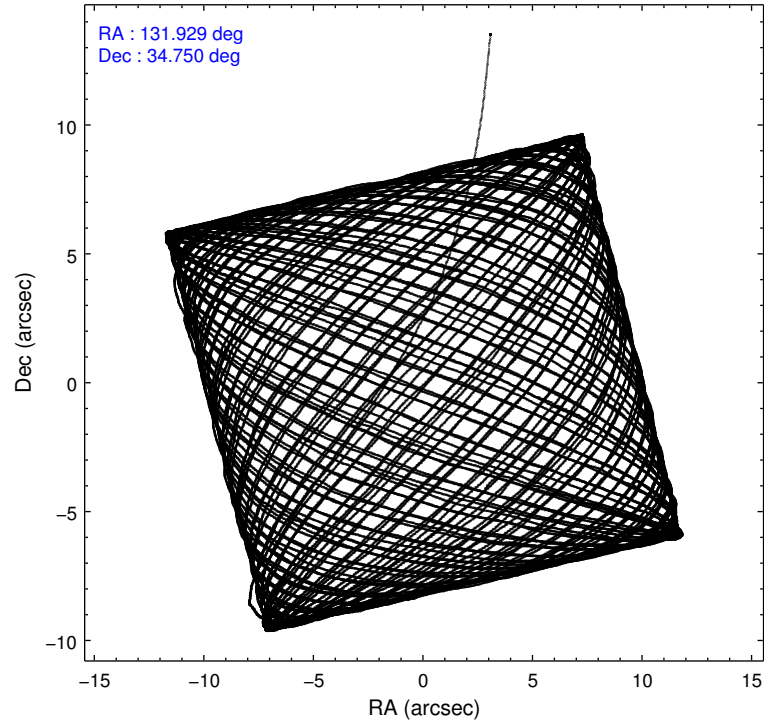
2.1.4 Events

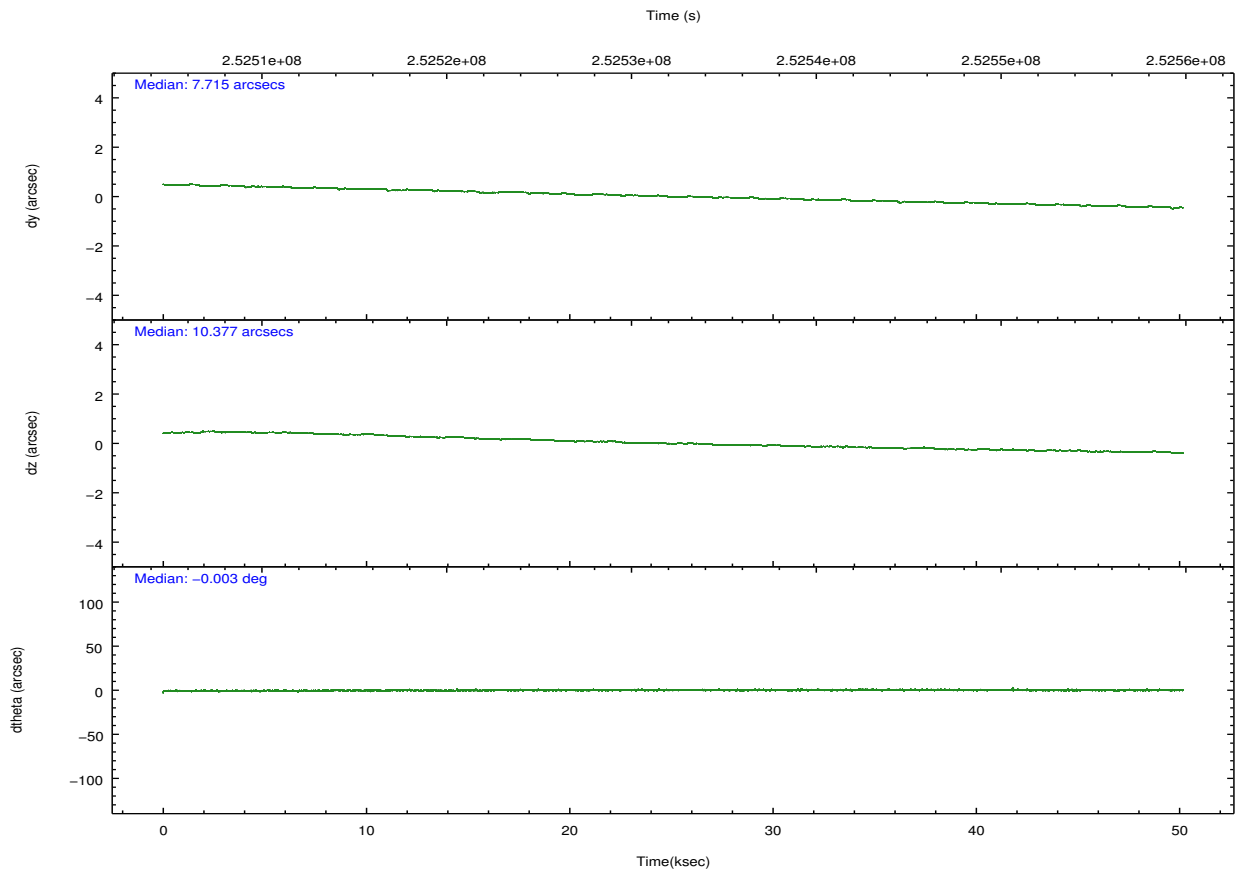
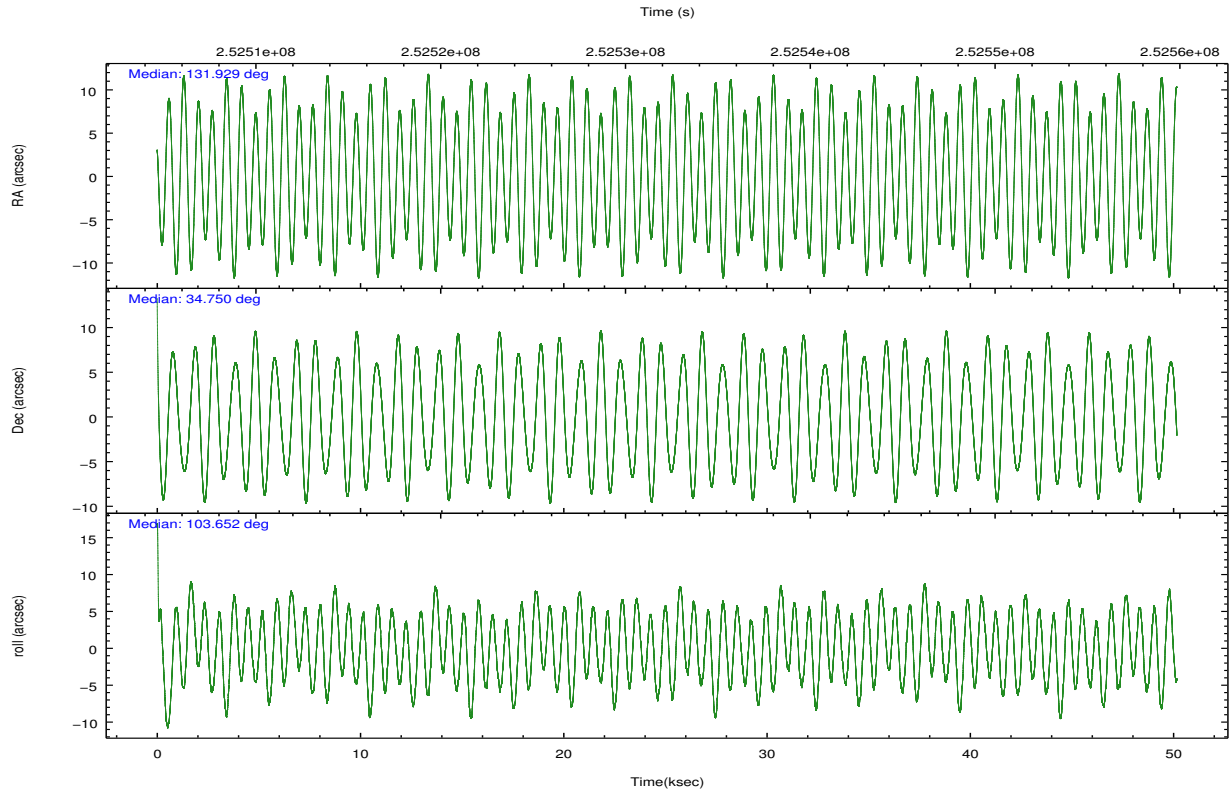
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	354347	520256	310534	420614	389881	307811	grade 0 events	33939	64159	16399	16615	27094	15723
rejected events	299057	263657	271770	245544	305626	270447		9%	12%	5%	3%	6%	5%
rejected %	84%	50%	87%	58%	78%	87%	grade 1 events	311	1319	141	448	257	166
								0%	0%	0%	0%	0%	0%
							grade 2 events	8275	64521	7966	36165	18946	7599
								2%	12%	2%	8%	4%	2%
							grade 3 events	4034	12485	3954	16301	9179	3894
								1%	2%	1%	3%	2%	1%
							grade 4 events	3950	9850	3757	16041	8343	3873
								1%	1%	1%	3%	2%	1%
							grade 5 events	13259	38182	14221	39297	18334	14949
								3%	7%	4%	9%	4%	4%
							grade 6 events	6192	110610	7523	93723	22770	7142
								1%	21%	2%	22%	5%	2%
							grade 7 events	284387	219130	256573	202024	284958	254465
								80%	42%	82%	48%	73%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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
[deg] Pointing RA	131.952257	131.9290510457963	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	34.730614	34.75007599593926	Subarray start row	1	1
[deg] Pointing Roll	103.485417	103.6552762604663	Subarray row count	774	774
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	2.5
[mm] SIM translation stage pos	-187.132523	-187.1228876879999			
[mm] SIM translation stage offset	-3	-3.009634895007935			
[s] Observation start time (MET)	252507332.184000	252505752.13053			
Observation start date	2006-01-01T12:54:27	2006-01-01T12:29:12			
[s] Observation end time (MET)	252557332.184000	252557711.43294			
Observation end date	2006-01-02T02:47:47	2006-01-02T02:55:11			
Read mode	TIMED	TIMED			

2.3 Aspect





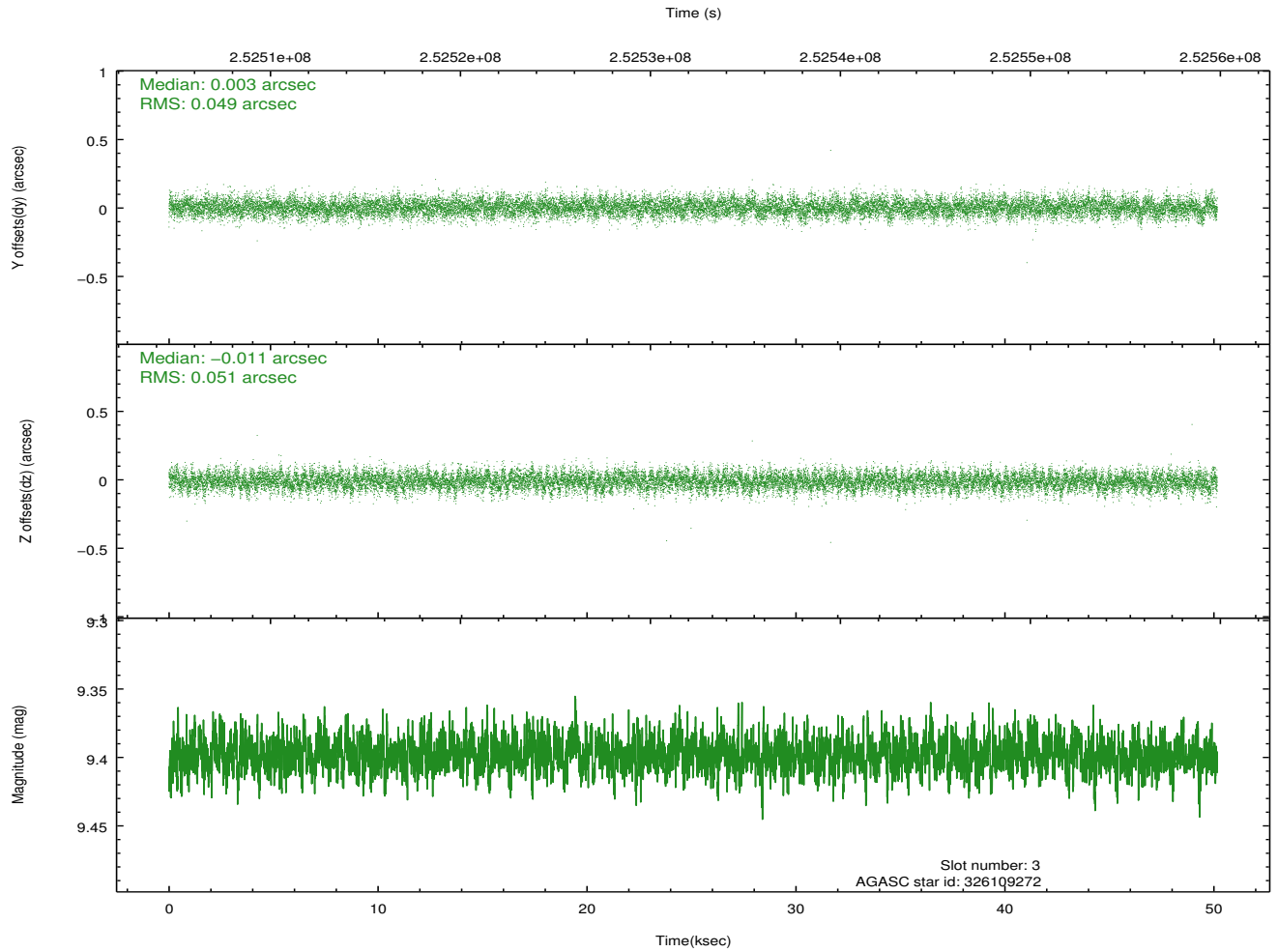
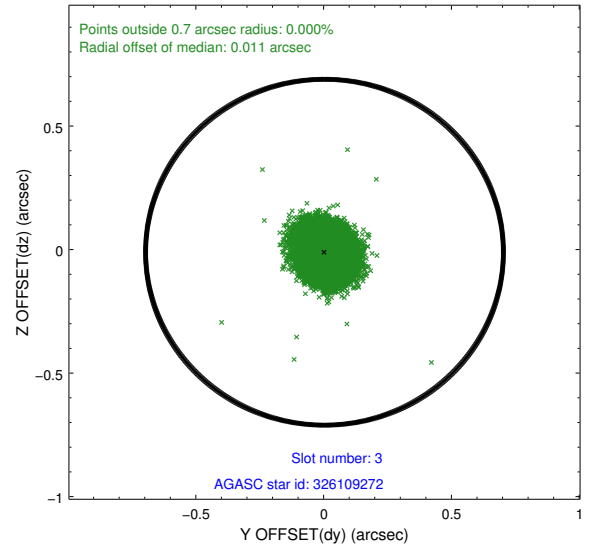
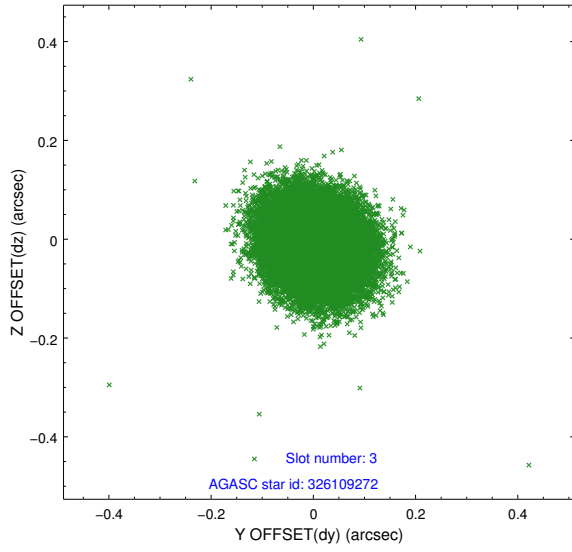
Slot Statistics

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	12237	-0.049	-0.096	0.011	0.017	0.000000	0.000000	-760.37	-1793.89
1	FID	ACIS-S-4	7.20	12236	0.117	0.049	0.014	0.025	0.000000	0.000000	2153.11	114.71
2	FID	ACIS-S-5	7.23	12237	-0.101	0.056	0.018	0.026	0.000000	0.000000	-1813.26	108.42
3	GUIDE	326109272	9.40	24456	0.003	-0.011	0.075	0.122	132.082215	34.934229	623.97	-543.73
4	GUIDE	326110664	9.32	24465	0.058	-0.001	0.087	0.142	132.443800	34.238836	-2058.83	-1010.48
5	GUIDE	326511744	8.32	24469	-0.019	-0.034	0.073	0.115	132.569856	35.037369	654.98	-2028.73
6	GUIDE	326108104	7.64	24470	0.006	0.002	0.052	0.084	132.748644	34.823318	-214.84	-2368.15
7	GUIDE	326506920	8.37	24464	-0.052	0.045	0.079	0.131	132.504020	35.379662	1898.78	-2120.11

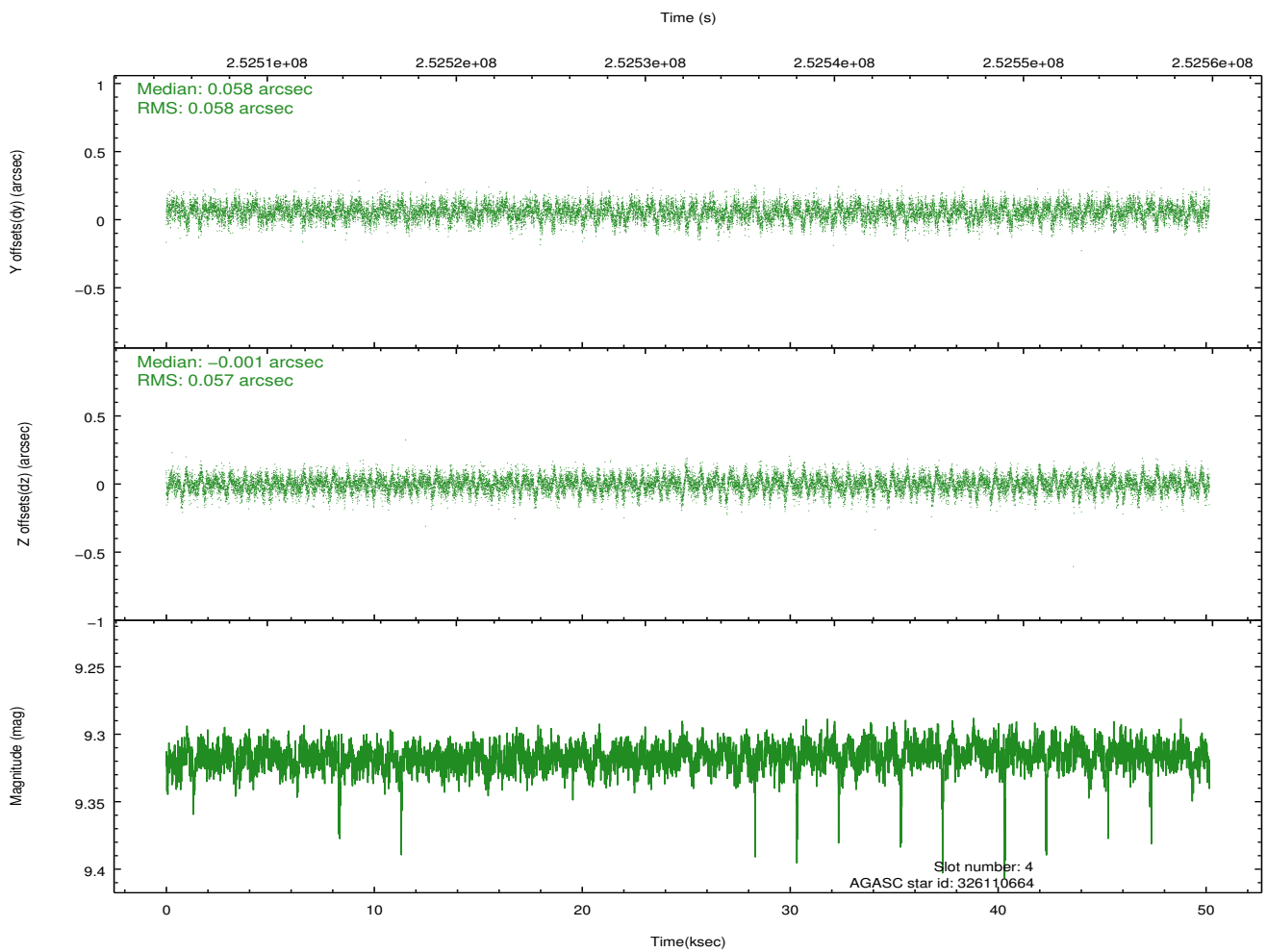
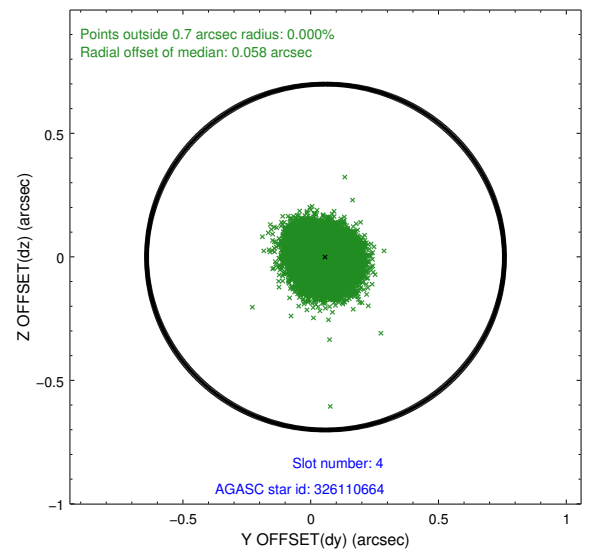
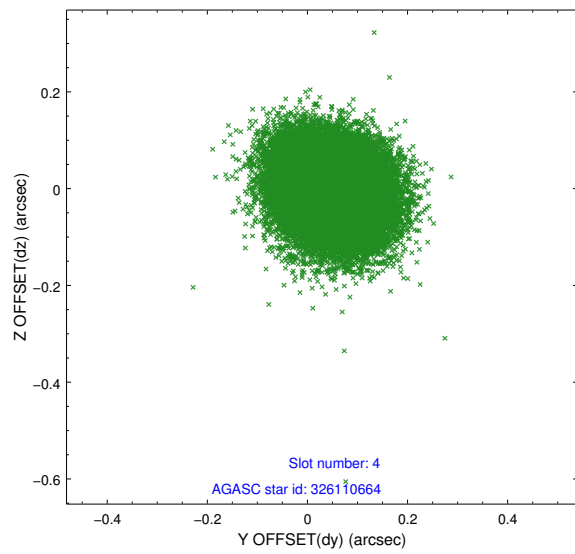
∞

2.4 Star Slots

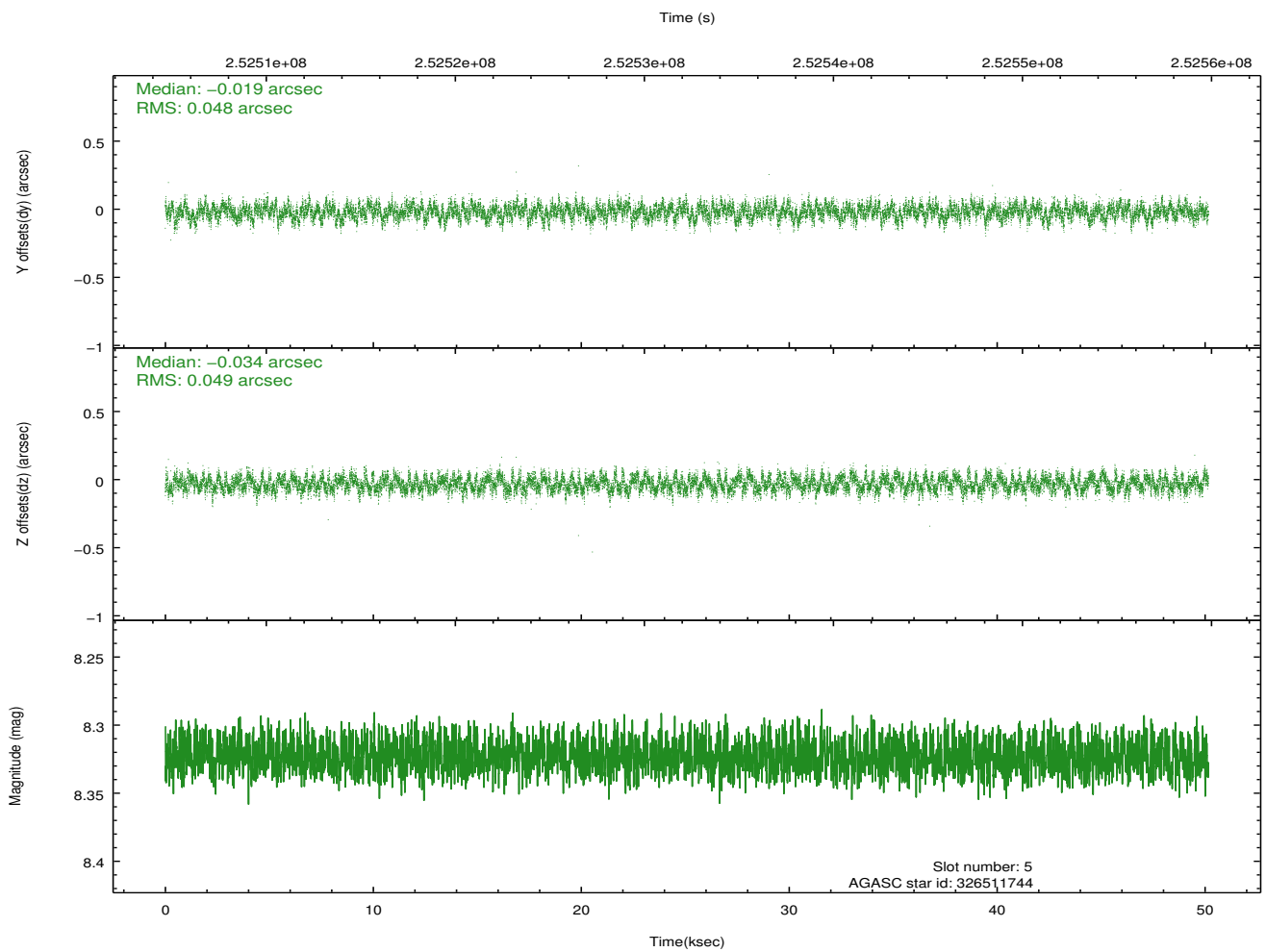
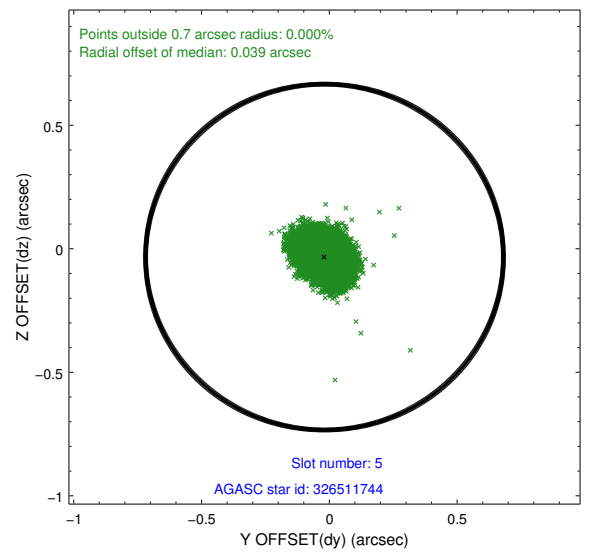
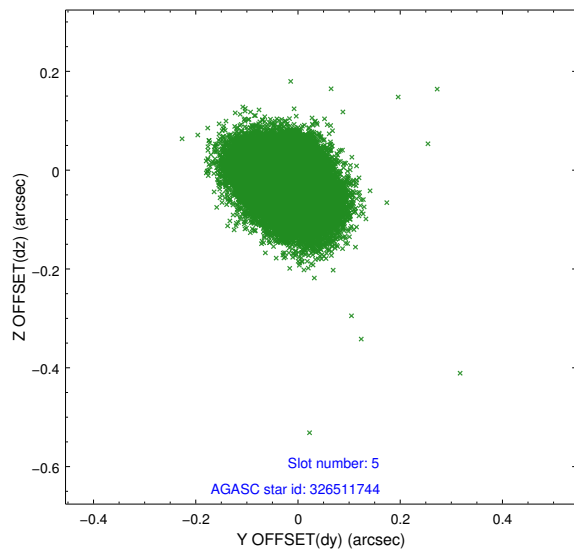
2.4.1 Slot 3



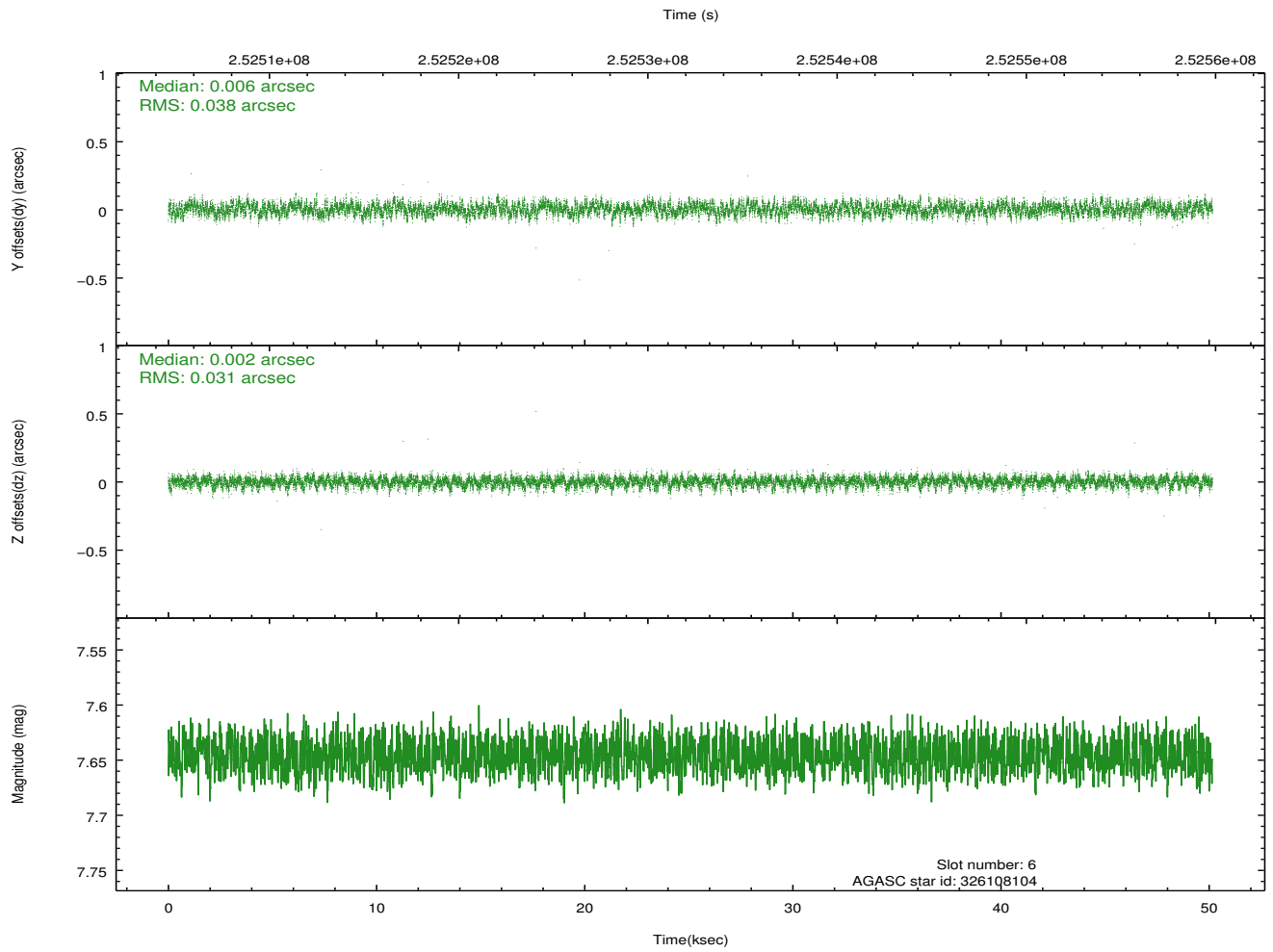
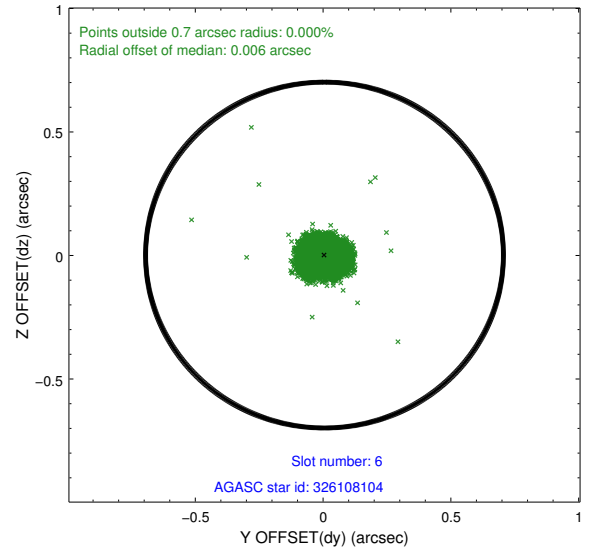
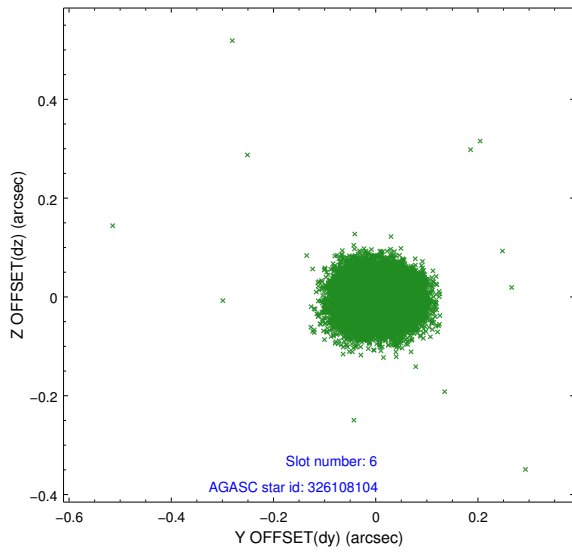
2.4.2 Slot 4



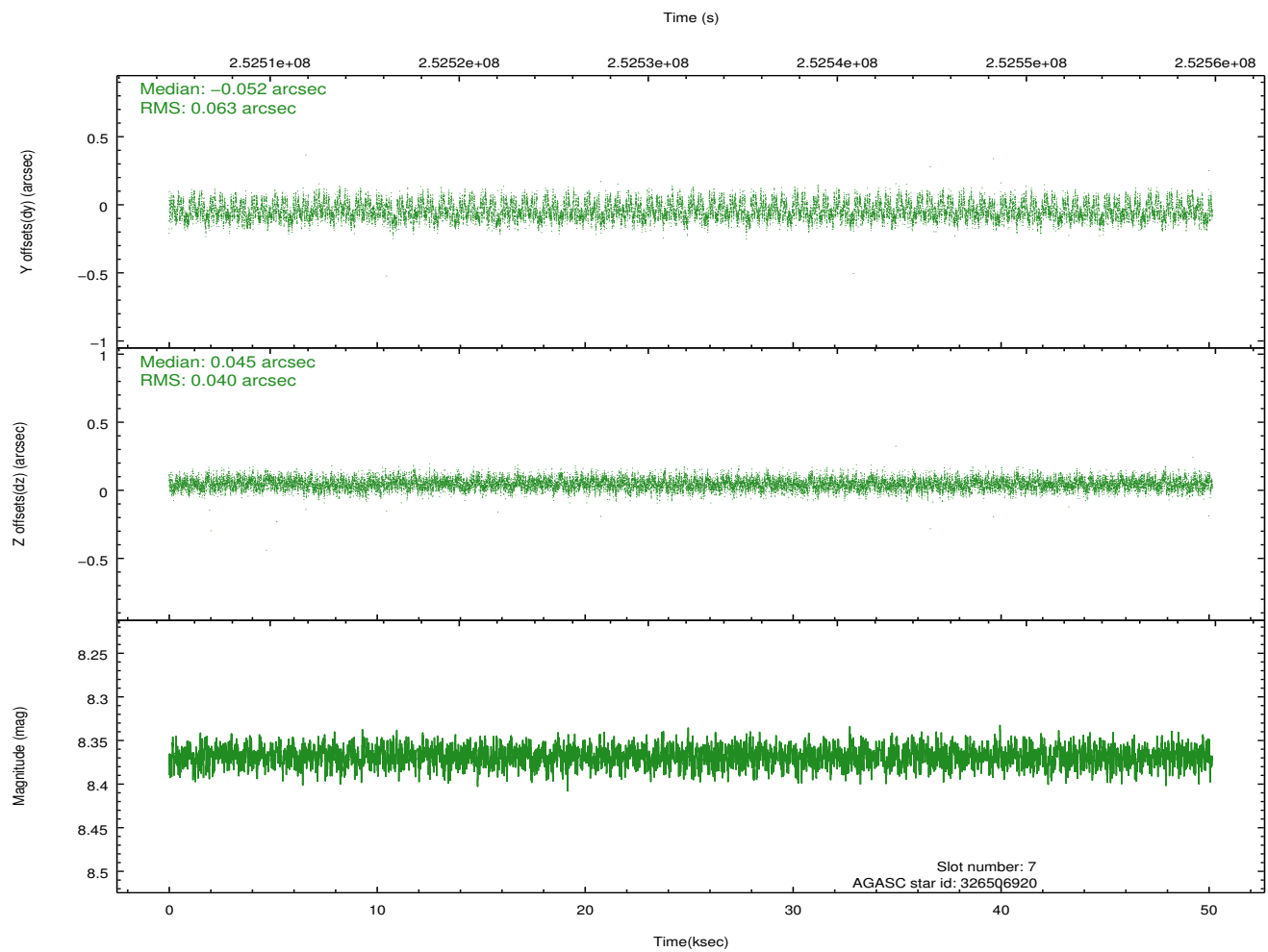
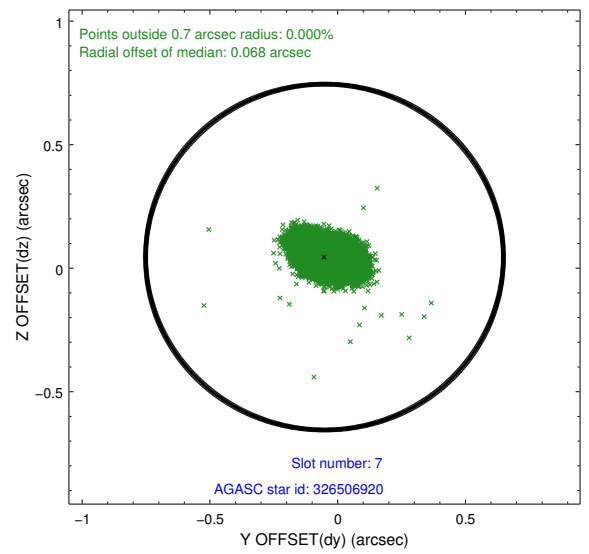
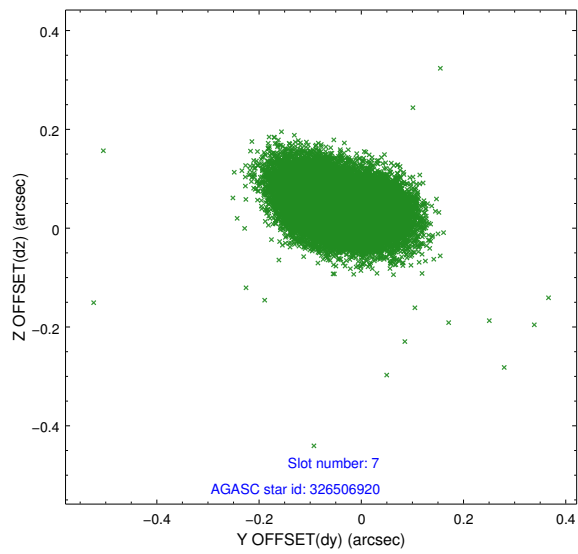
2.4.3 Slot 5



2.4.4 Slot 6

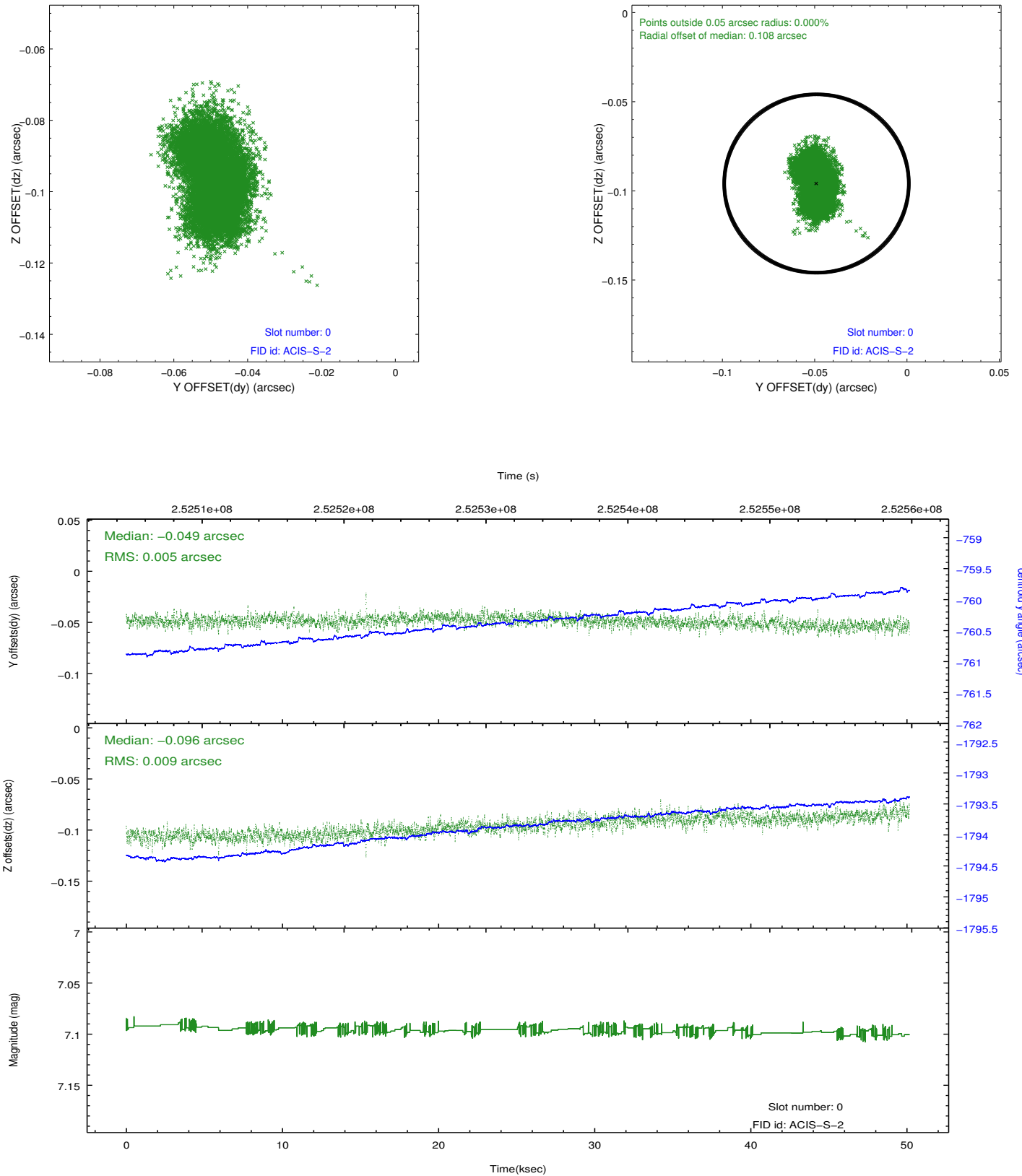


2.4.5 Slot 7

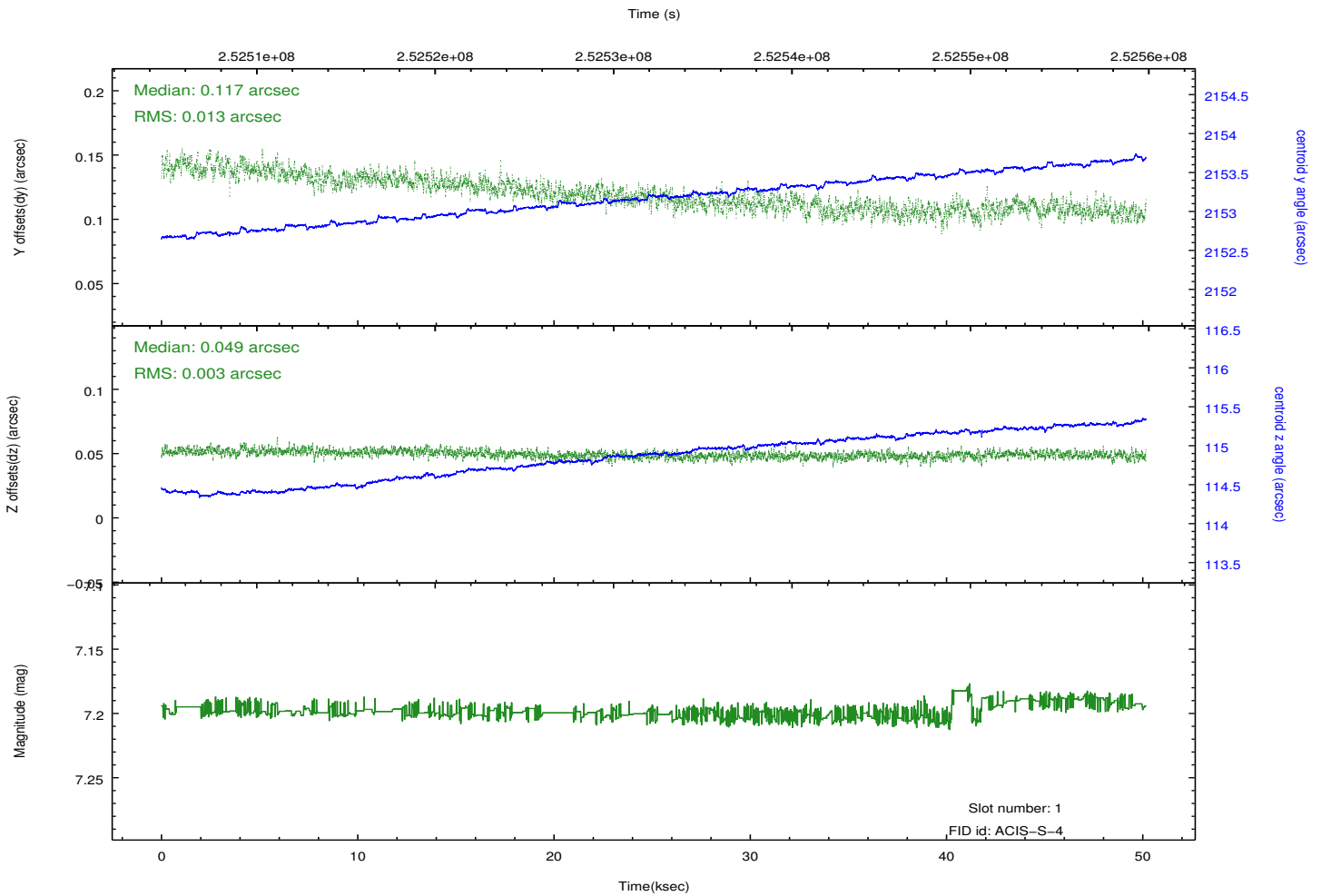
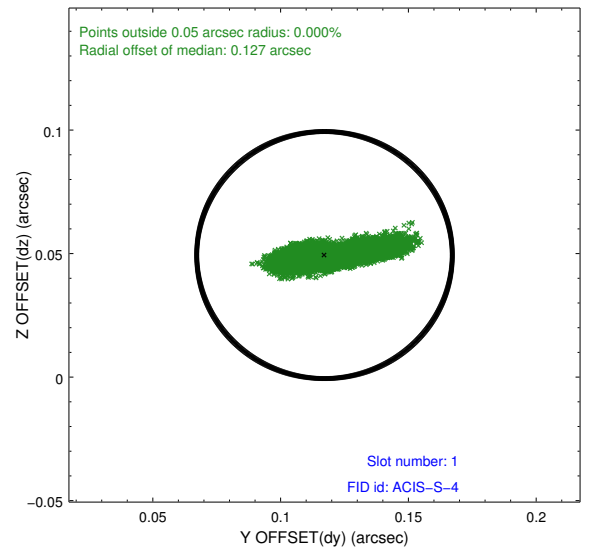
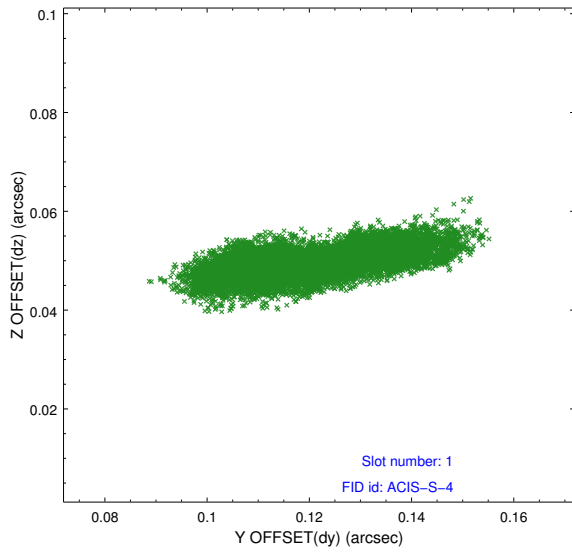


2.5 FID Slots

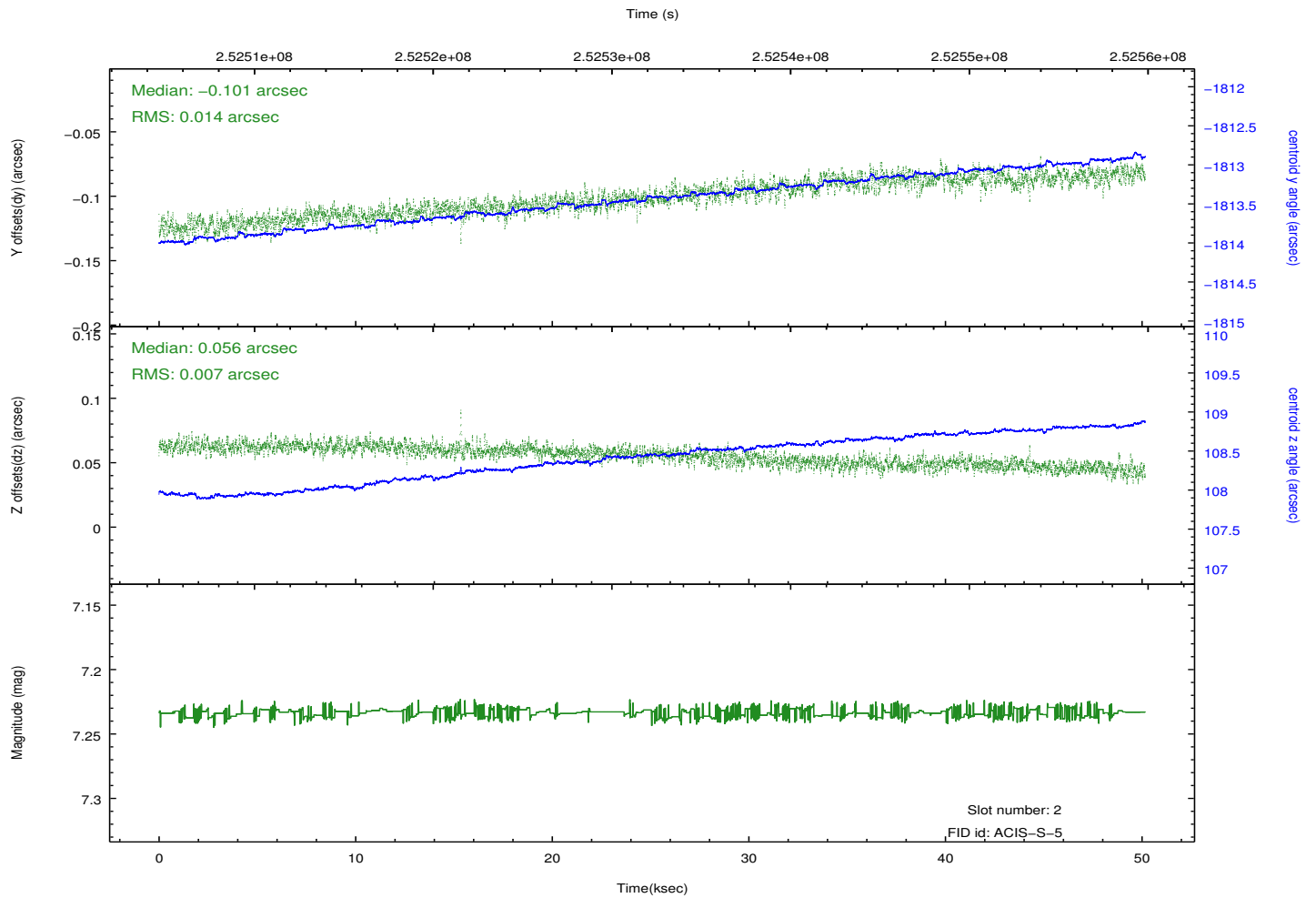
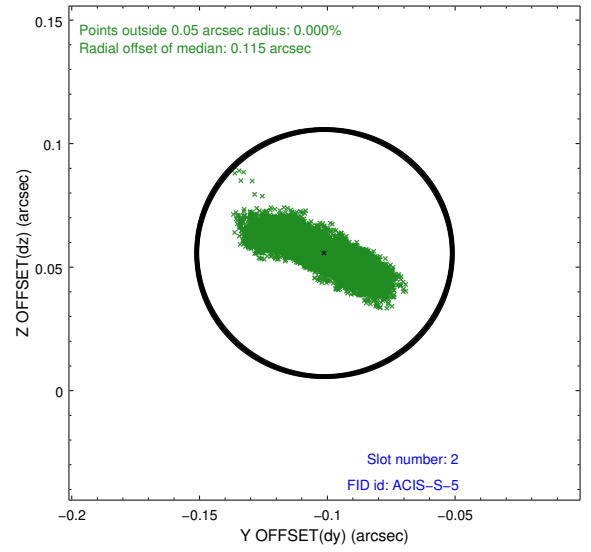
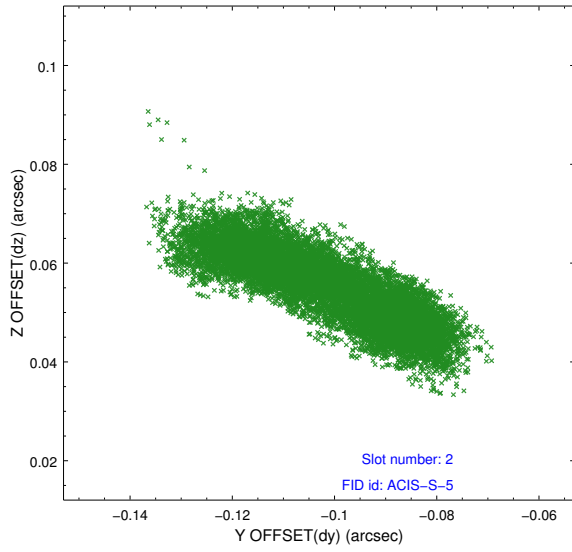
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

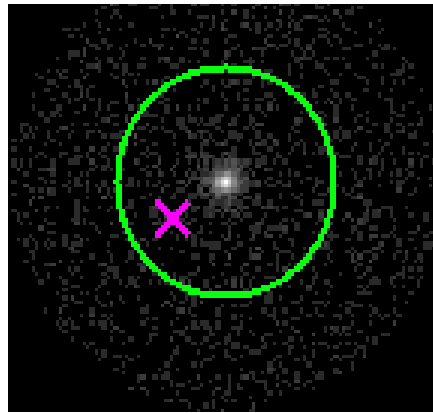


3 Gratings

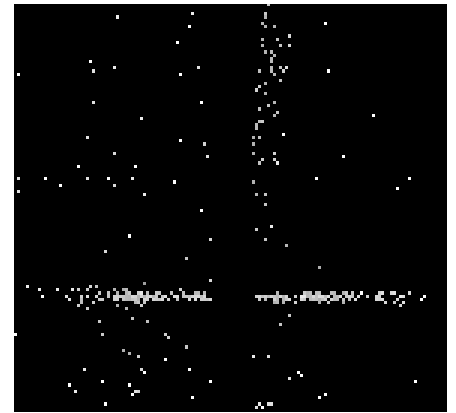
3.1 HEG Arm



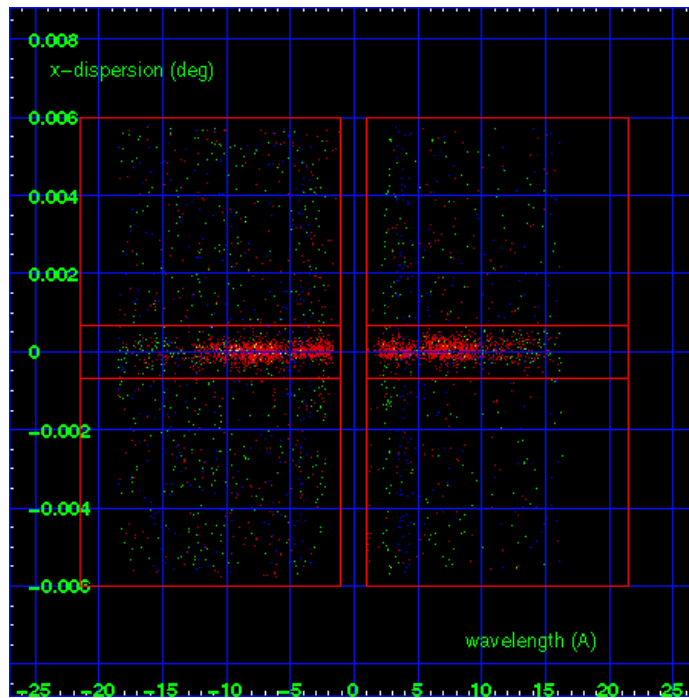
HEG Order Sort 123



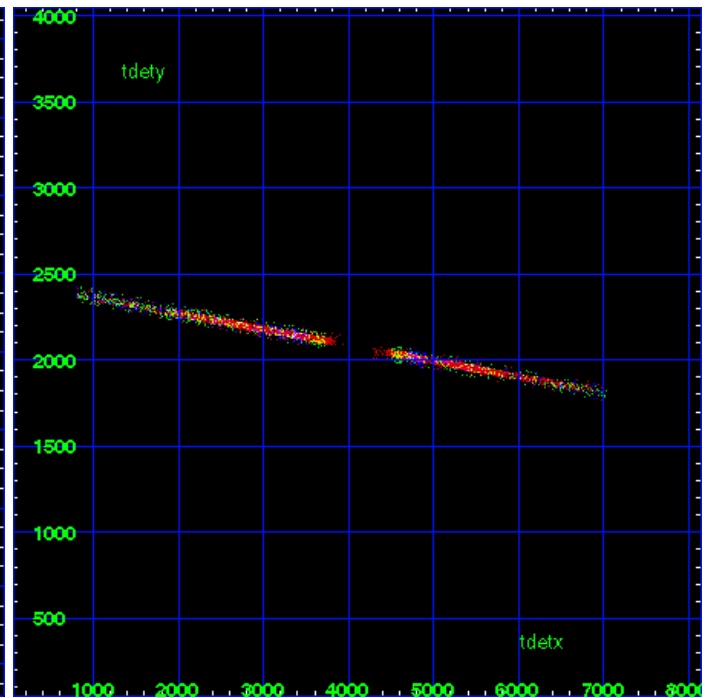
HEG Zero Order



HEG Order Sort ALL

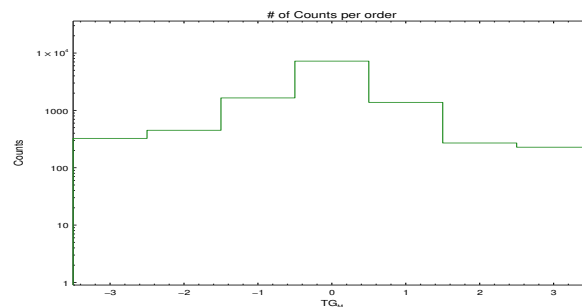


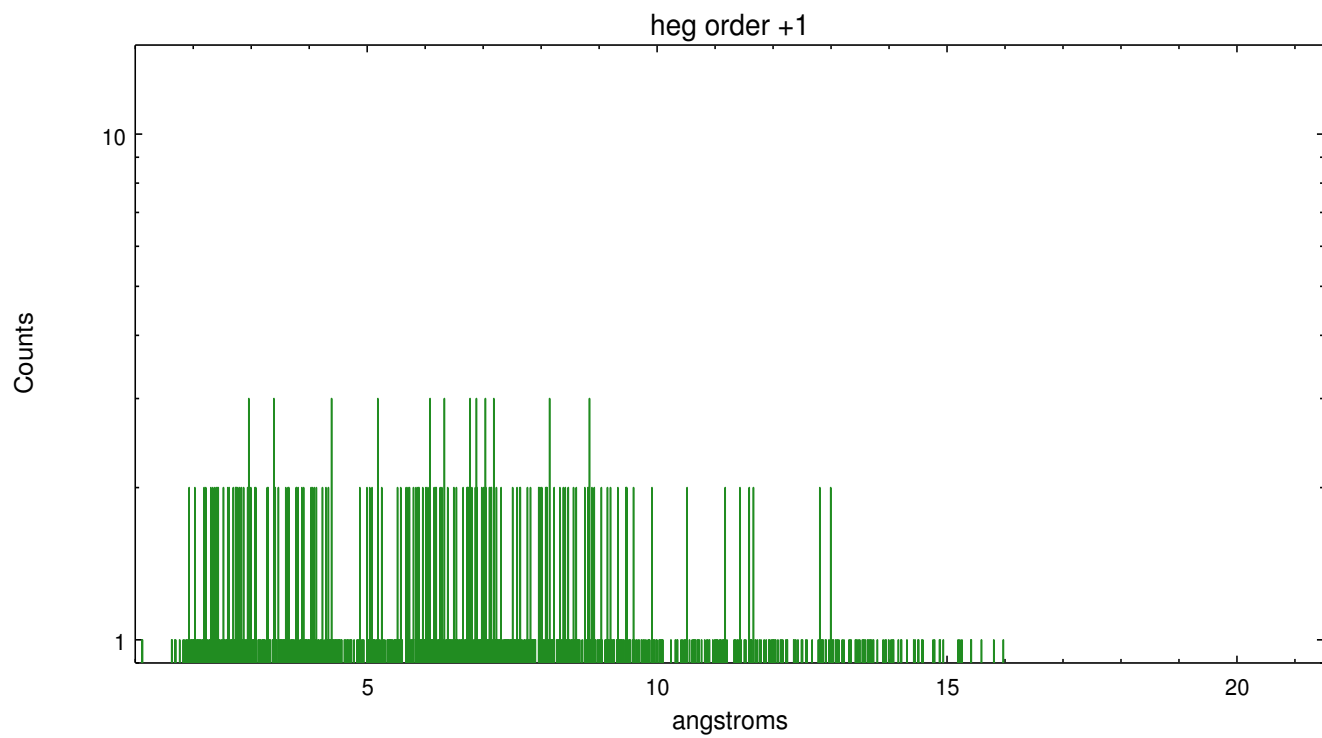
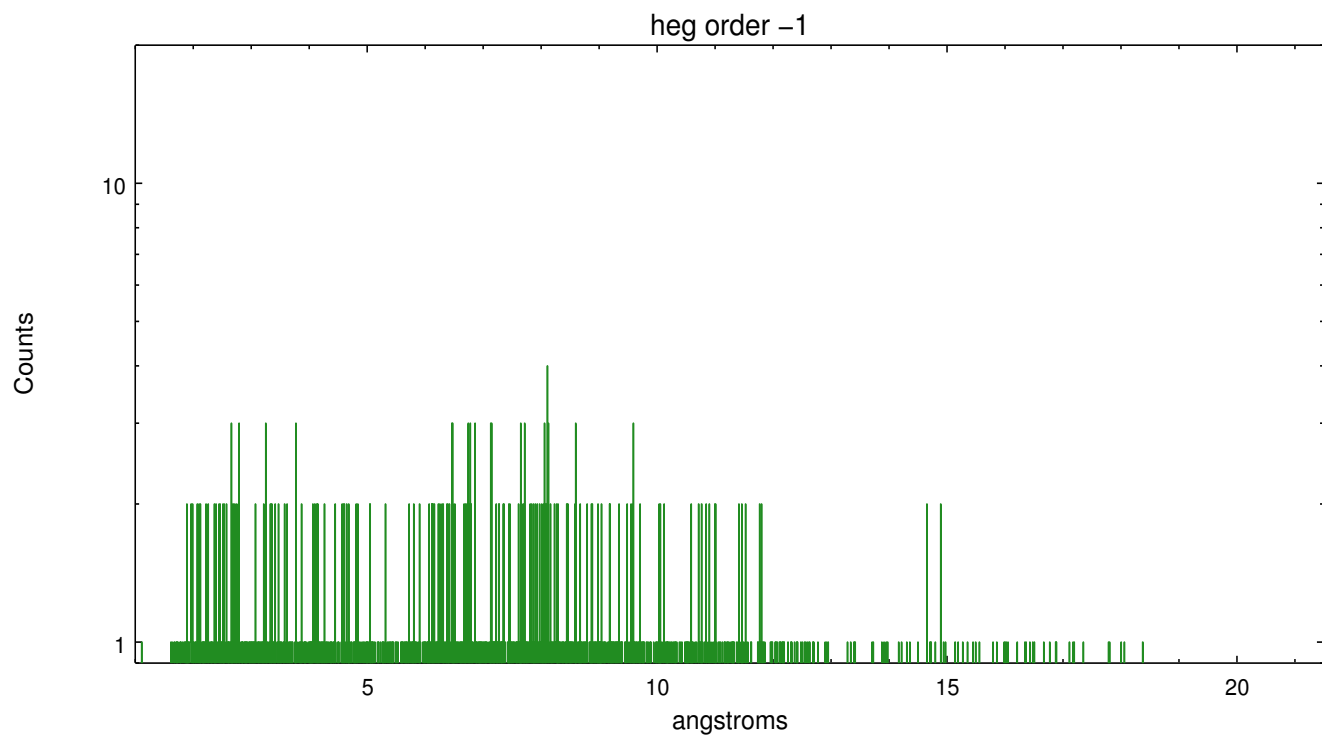
Spot Image HEG



Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	325	450	1650	7231	1380	270	228

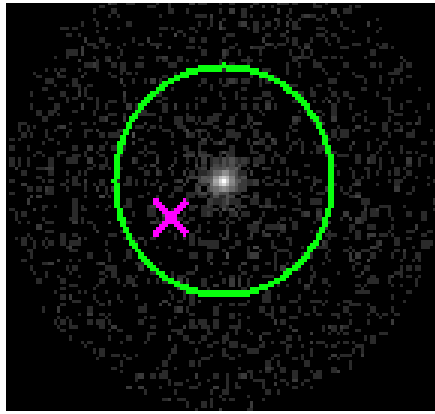




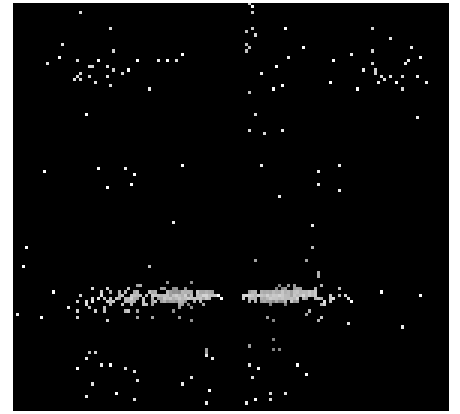
3.2 MEG Arm



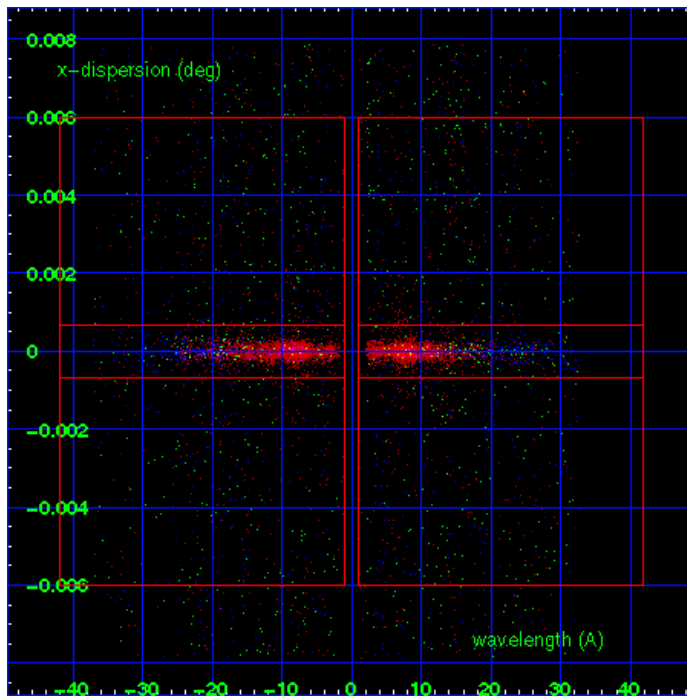
MEG Order Sort 123



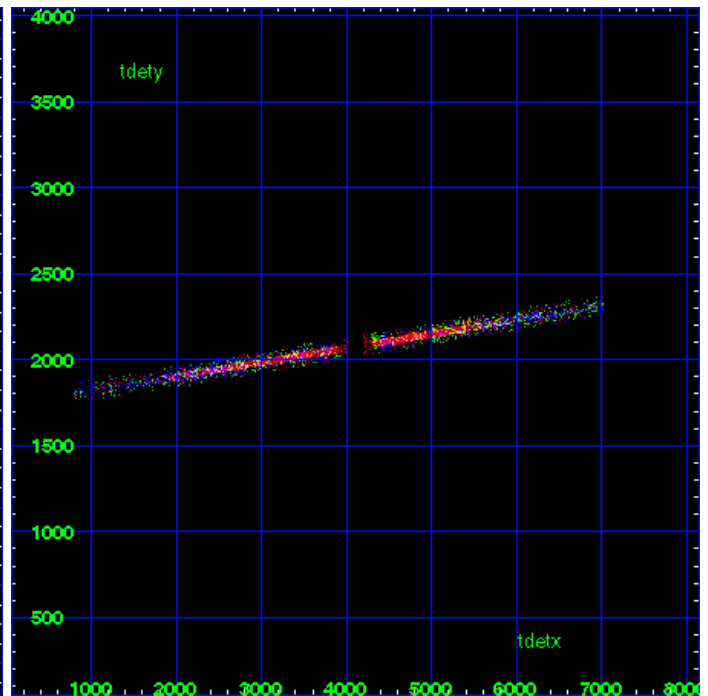
MEG Zero Order



MEG Order Sort ALL

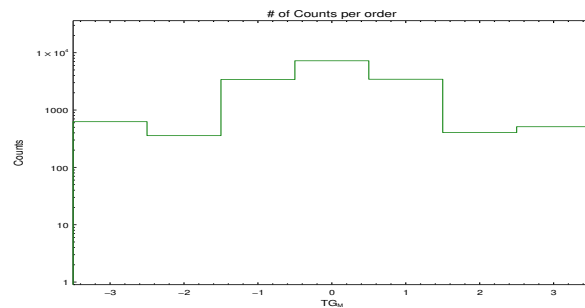


Spot Image MEG

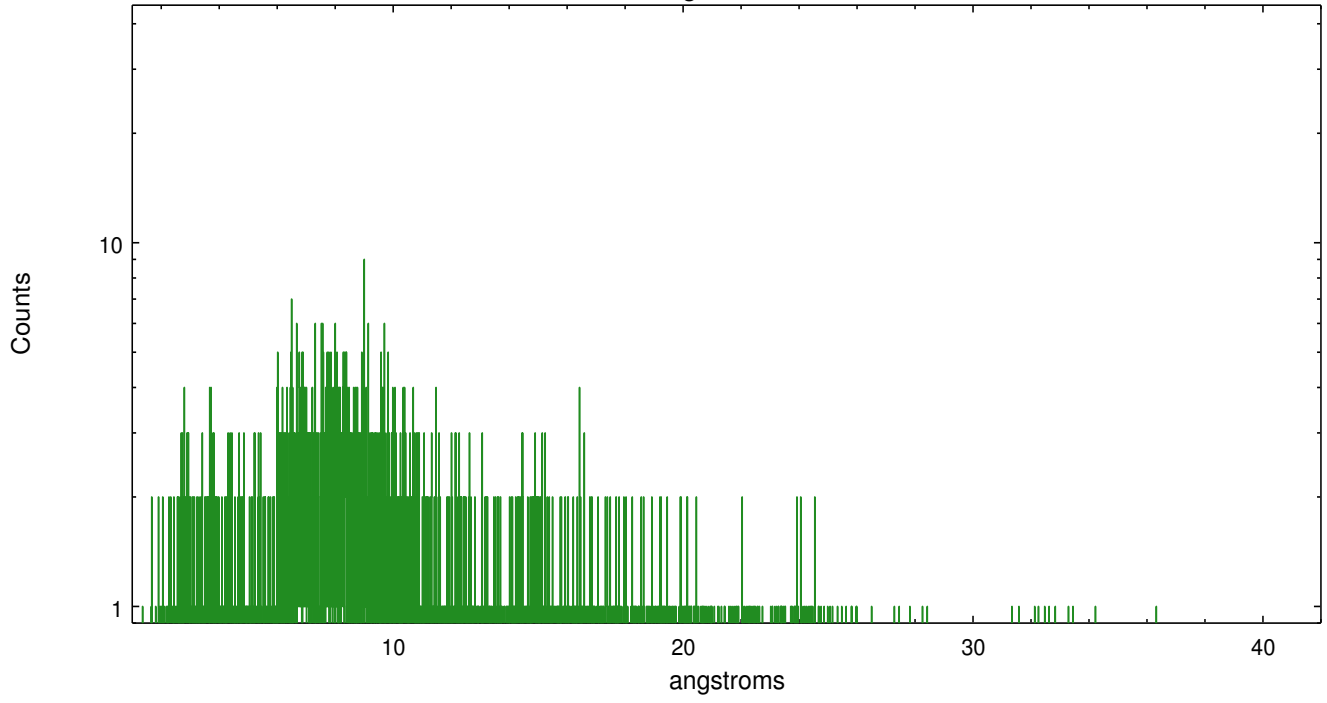


Full Detector MEG

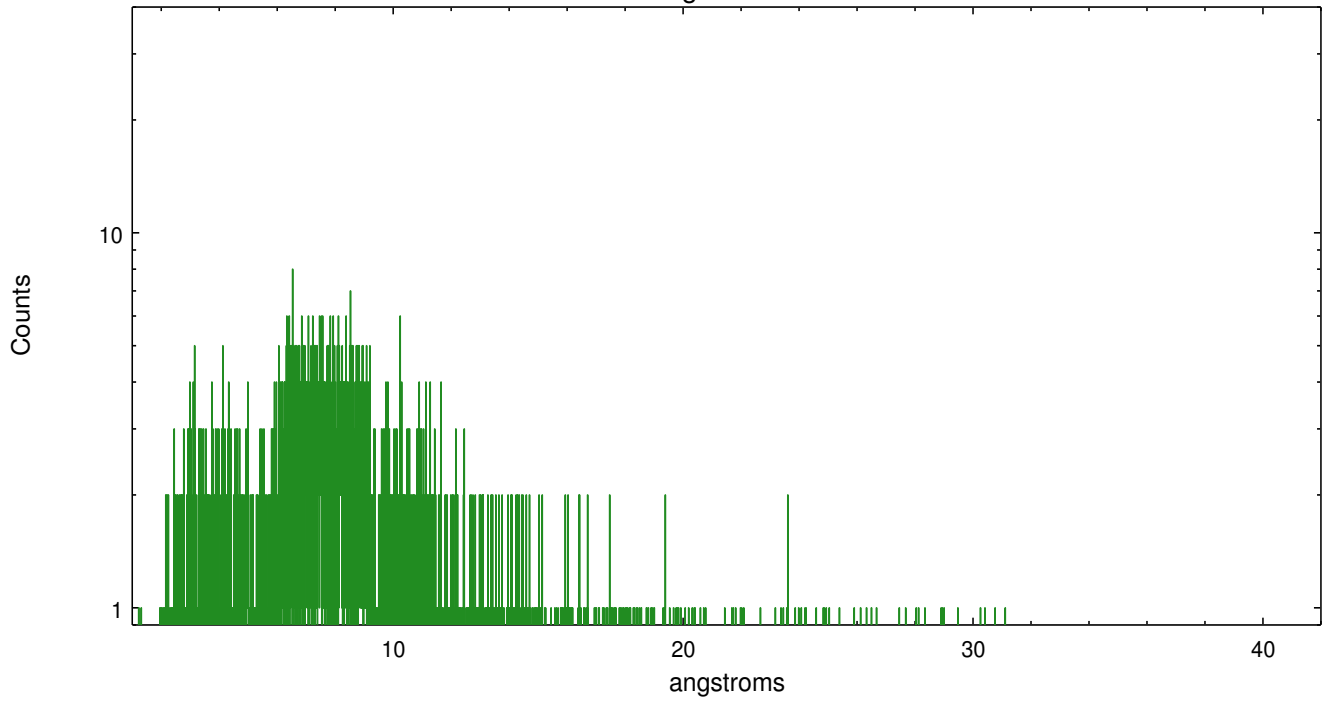
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	627	358	3400	7231	3441	405	512



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.1625

A.2 Comments