

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2543 - L2 Version 3
Chandra X-Ray Center

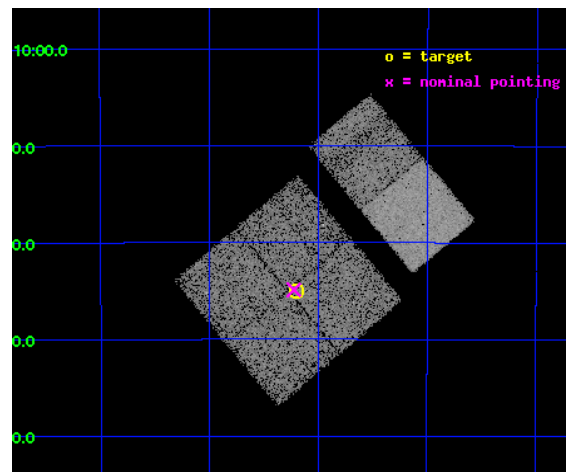
L2 Processing Date : Oct 5 2012

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1 Front

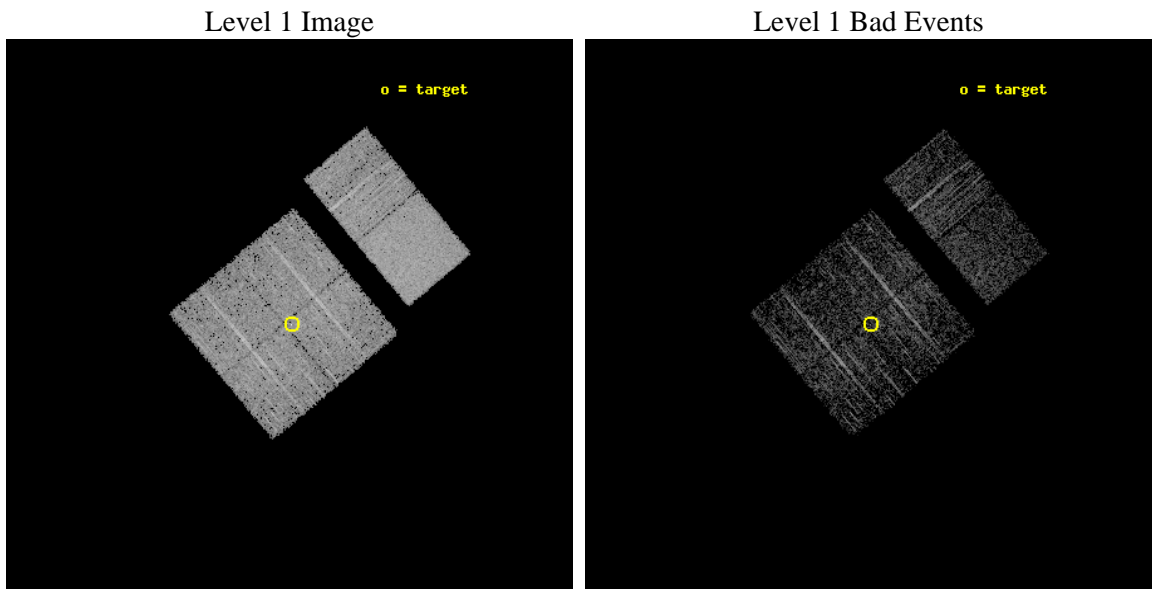
seq_num	200151	Sequence number
obs_id	2543	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD133880	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.050417	Observer's specified target RA [deg]
dec_targ	-40.583917	Observer's specified target Dec [deg]
ra_nom	227.05618648025	Nominal RA [deg]
dec_nom	-40.581674414789	Nominal Dec [deg]
roll_nom	50.066602569686	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2489.5999907255	Sum of GTIs [s]
livetime	2458.0751765858	Livetime [s]
ontime0	2489.5999907255	Sum of GTIs [s]
ontime1	2489.5999907255	Sum of GTIs [s]
ontime2	2489.5999907255	Sum of GTIs [s]
ontime3	2489.5999907255	Sum of GTIs [s]
ontime6	2489.5999907255	Sum of GTIs [s]
ontime7	2489.5999907255	Sum of GTIs [s]
l2events	58615	Number of level 2 events



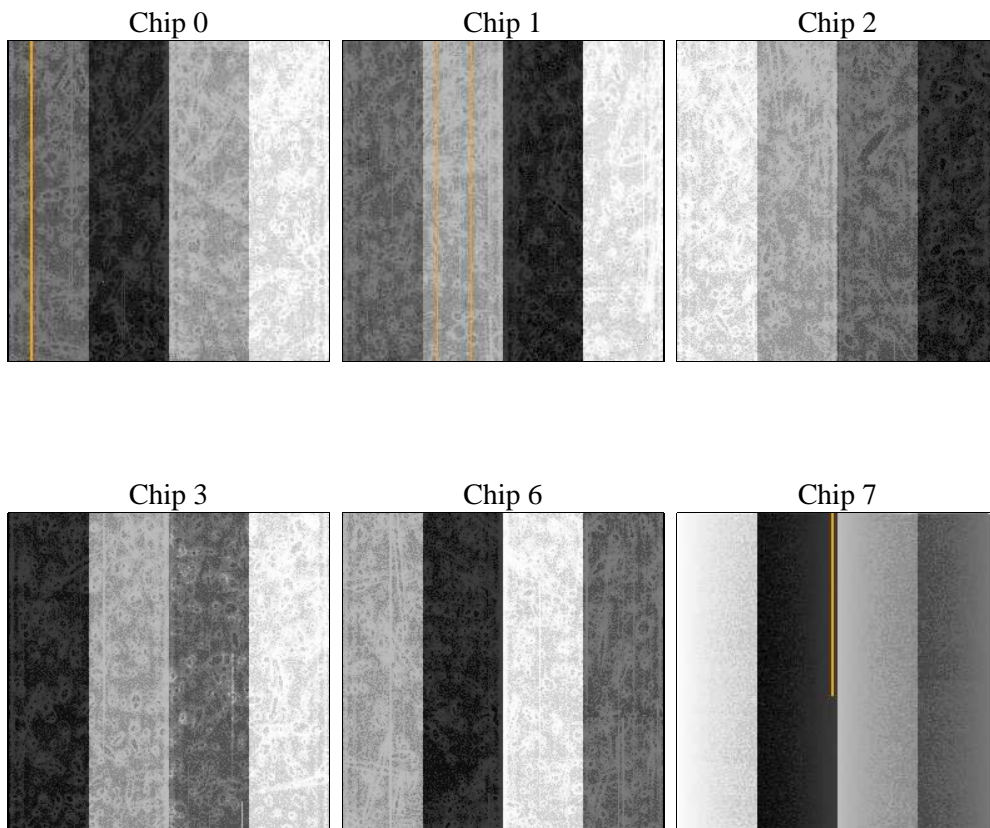
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2399.085000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2489.5999907255	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	2489.5999907255	Sum of GTIs [s]
date	2012-10-05T10:26:17	Date and time of file creation	ontime1	2489.5999907255	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2489.5999907255	Sum of GTIs [s]
			ontime3	2489.5999907255	Sum of GTIs [s]
			ontime6	2489.5999907255	Sum of GTIs [s]
			ontime7	2489.5999907255	Sum of GTIs [s]
			l1events	146945	Number of level 1 events

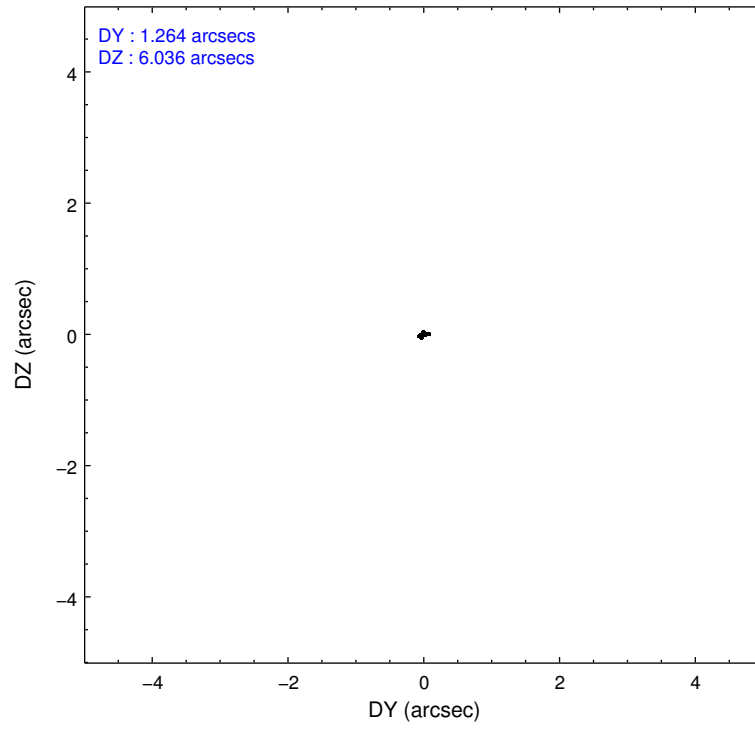
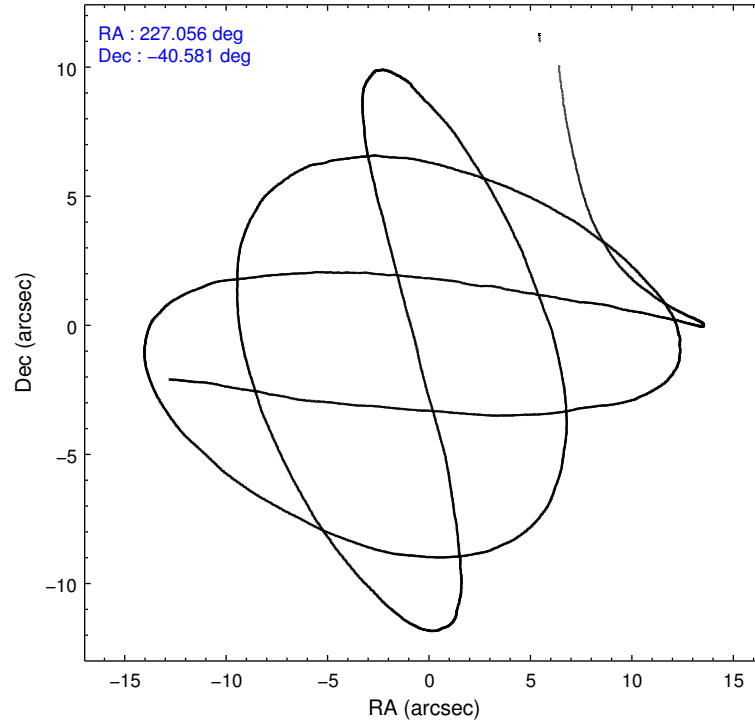
2.1.4 Events

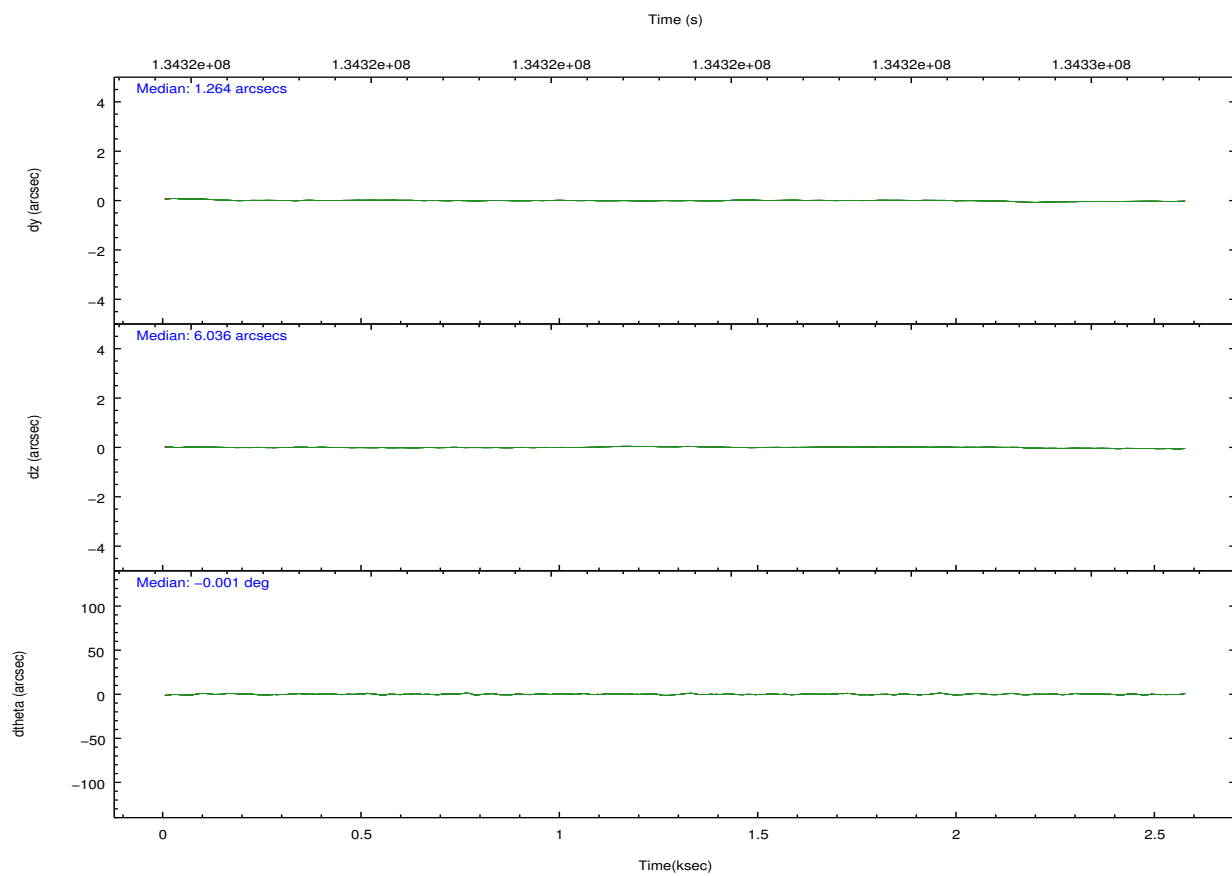
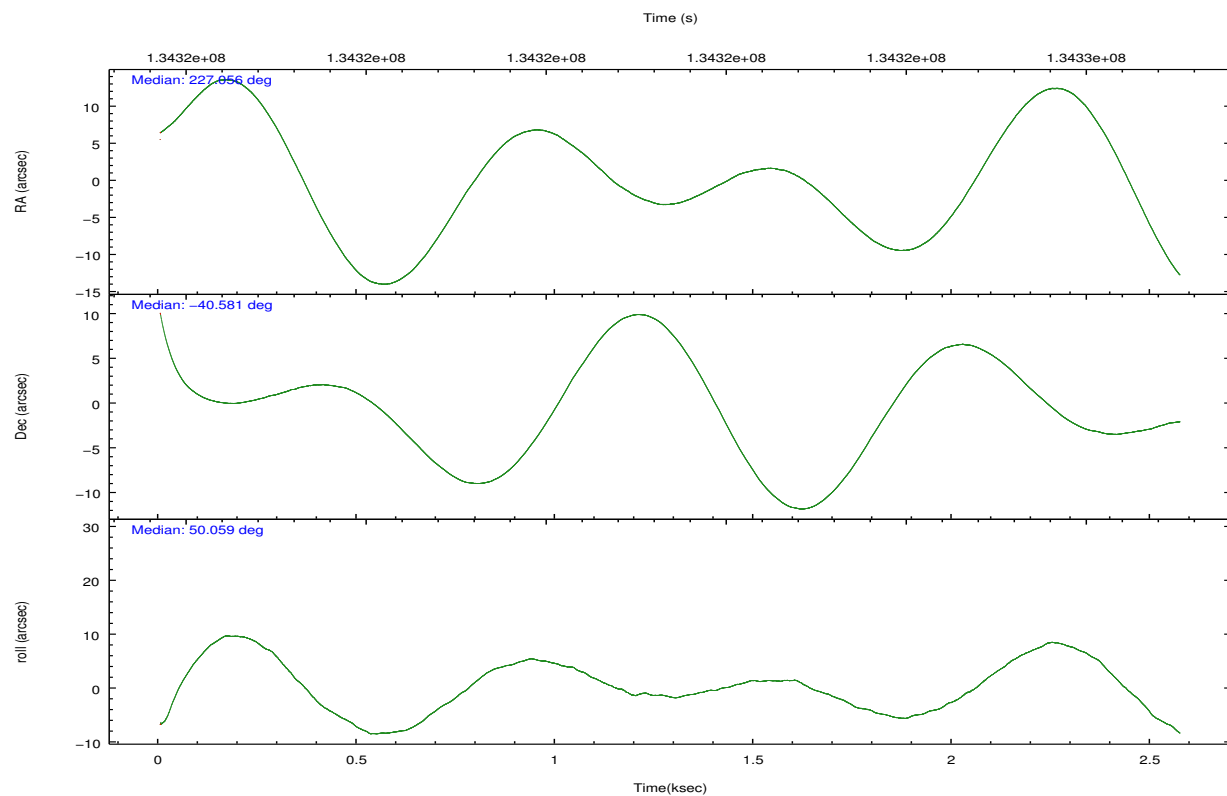
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21750	22248	22311	23106	24482	33048	grade 0 events	5486	5333	5305	5644	5713	2182
rejected events	13539	13952	14396	14548	15852	12717		25%	23%	23%	24%	23%	6%
rejected %	62%	62%	64%	62%	64%	38%	grade 1 events	30	35	27	29	28	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	1180	1266	1165	1291	1260	3525
								5%	5%	5%	5%	5%	10%
							grade 3 events	403	484	402	406	385	1484
								1%	2%	1%	1%	1%	4%
							grade 4 events	383	443	354	420	407	1458
								1%	1%	1%	1%	1%	4%
							grade 5 events	628	698	601	674	743	2028
								2%	3%	2%	2%	3%	6%
							grade 6 events	775	797	711	815	875	11751
								3%	3%	3%	3%	3%	35%
							grade 7 events	12865	13192	13746	13827	15071	10599
								59%	59%	61%	59%	61%	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	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	227.049778	227.0561864802502	Subarray requested	NONE	NONE
[deg] Pointing Dec	-40.608794	-40.58167441478901	Alternating exposures requested	N	N
[deg] Pointing Roll	49.853769	50.06660256968609	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	134323234.184000	134322209.67606			
Observation start date	2002-04-04T15:59:30	2002-04-04T15:43:29			
[s] Observation end time (MET)	134325633.184000	134325948.36371			
Observation end date	2002-04-04T16:39:29	2002-04-04T16:45:48			
Read mode	TIMED	TIMED			

2.3 Aspect



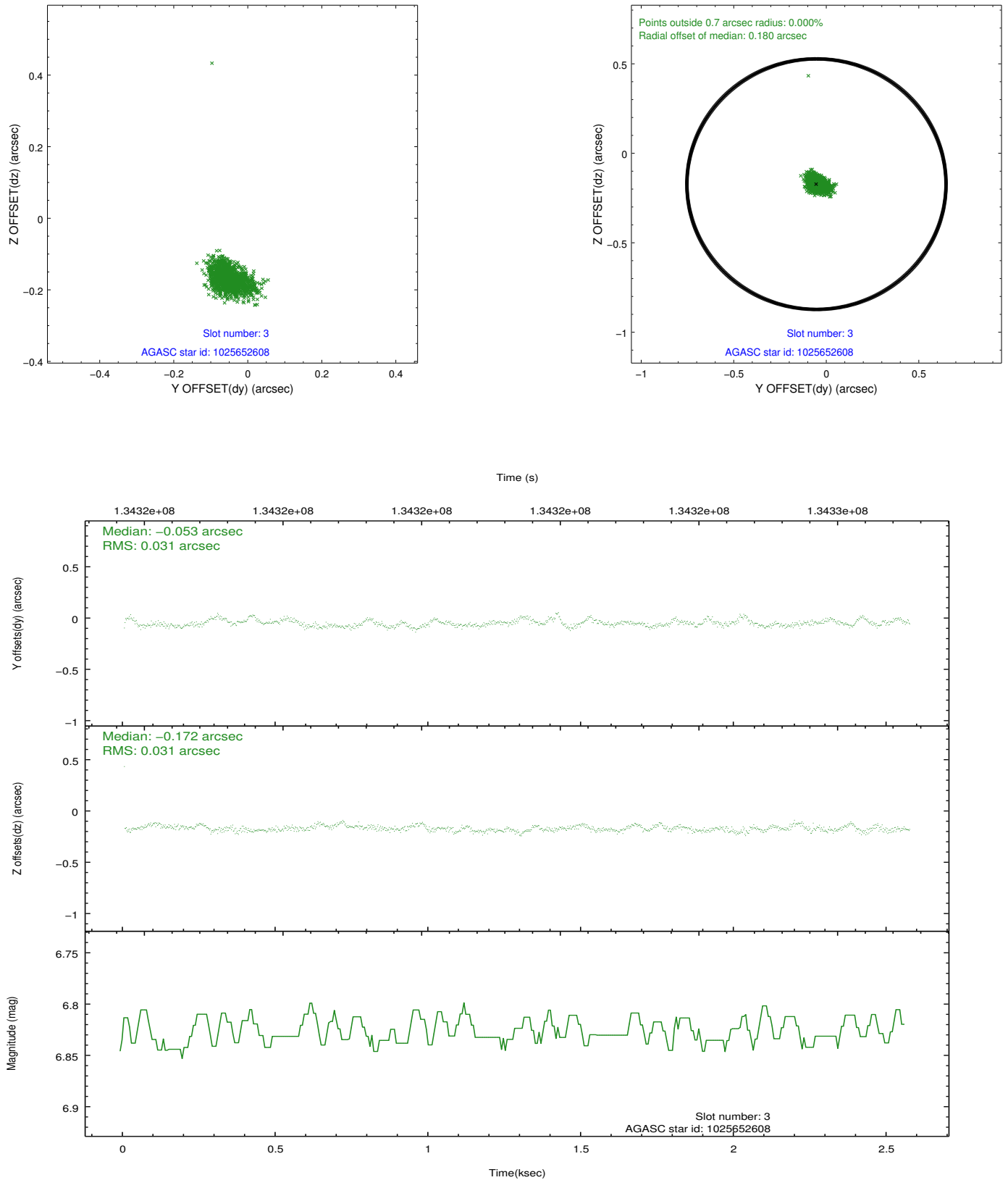


Slot Statistics

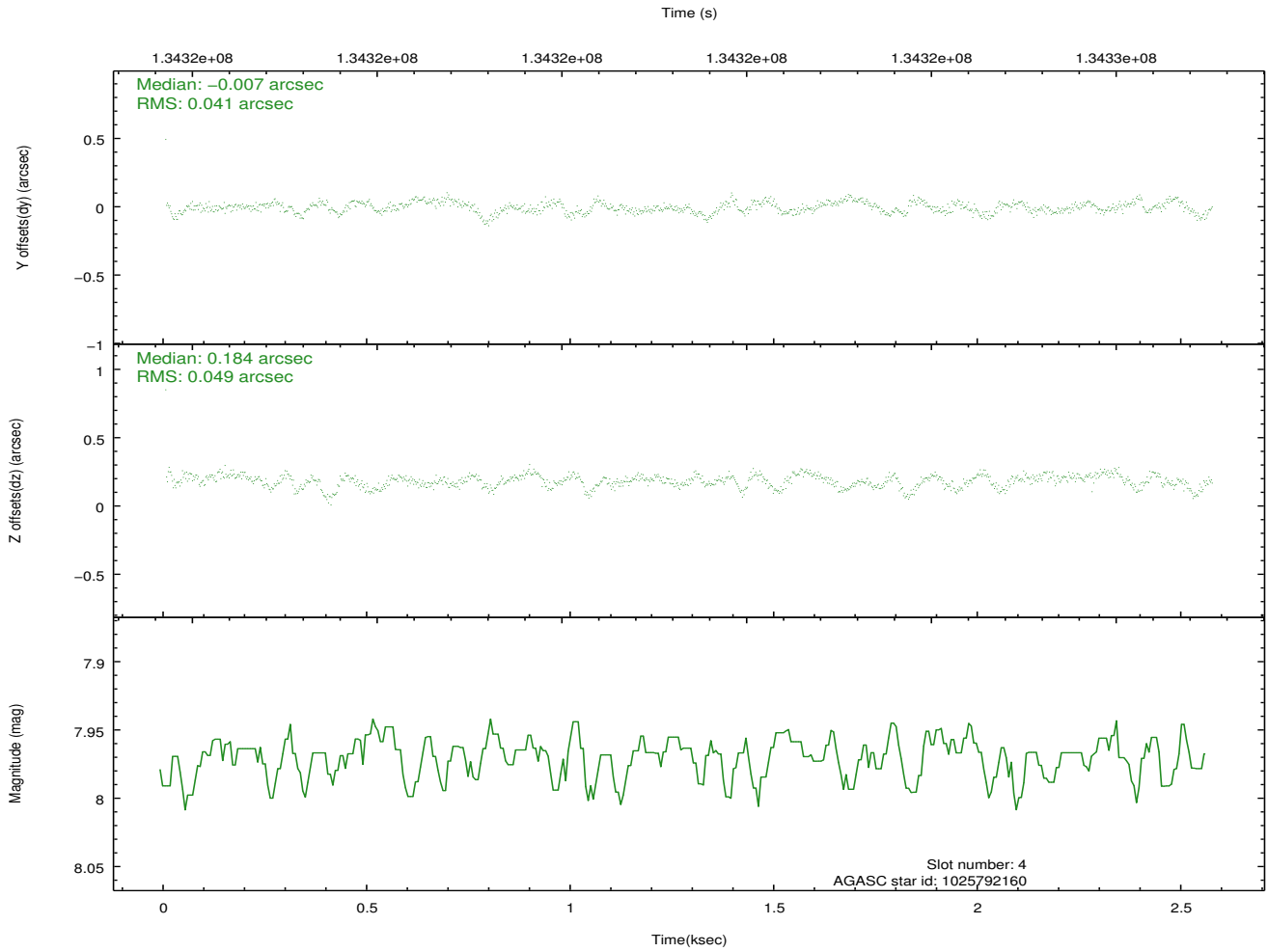
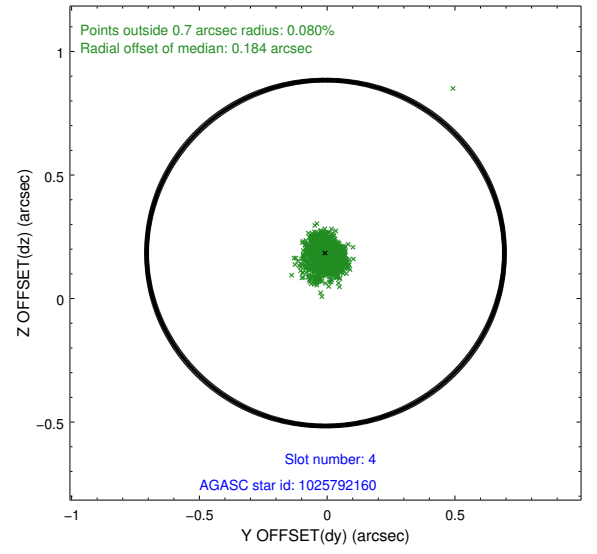
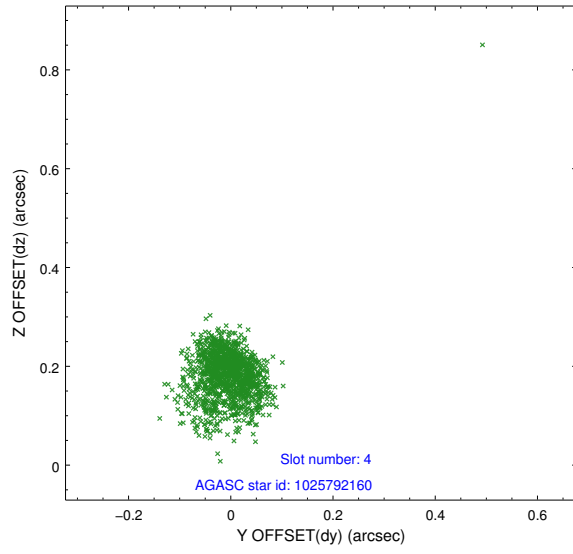
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	628	-0.008	0.009	0.004	0.009	0.000000	0.000000	938.56	-829.40
1	FID	ACIS-I-5	7.24	628	-0.053	0.041	0.004	0.009	0.000000	0.000000	-1808.16	1066.91
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1025652608	6.83	1255	-0.053	-0.172	0.043	0.071	226.291998	-40.569329	-1236.46	1669.77
4	GUIDE	1025792160	7.97	1255	-0.007	0.184	0.063	0.105	227.502551	-41.179406	-784.35	-2262.63
5	GUIDE	1025657712	8.02	1255	0.035	0.023	0.057	0.090	227.165472	-40.952632	-745.91	-1040.32
6	GUIDE	1025649752	8.49	1255	-0.010	-0.110	0.059	0.095	227.173310	-40.285859	1104.55	489.52
7	GUIDE	1025659608	7.93	1254	0.037	0.084	0.051	0.086	227.041054	-40.835856	-641.20	-508.20

2.4 Star Slots

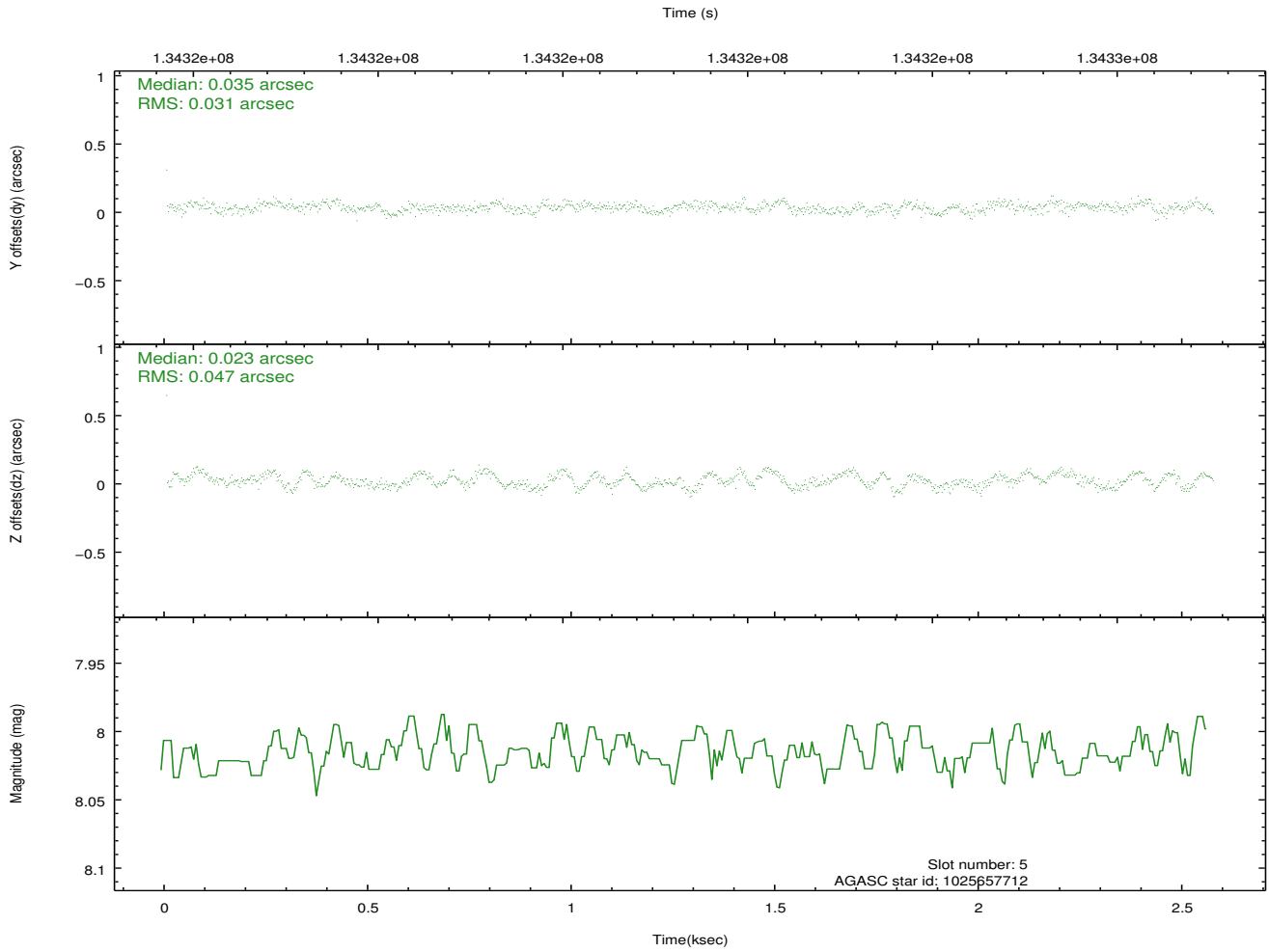
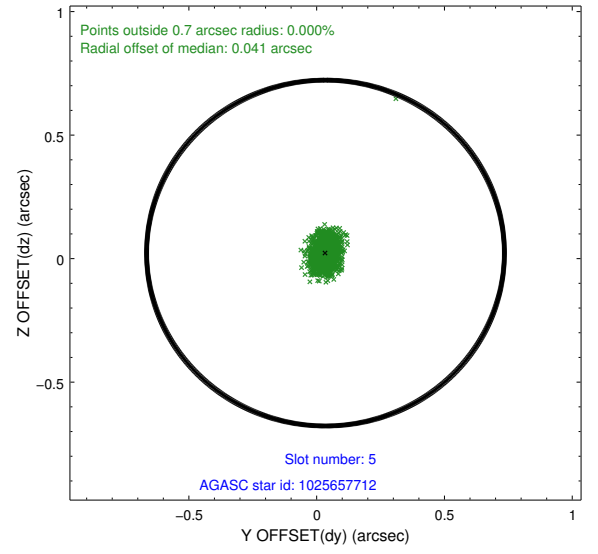
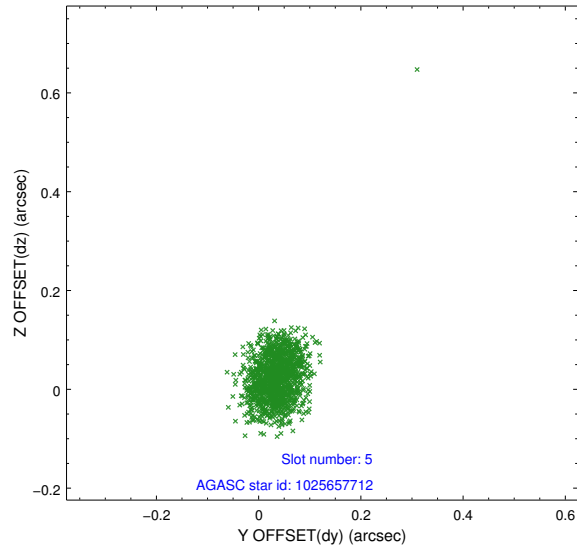
2.4.1 Slot 3



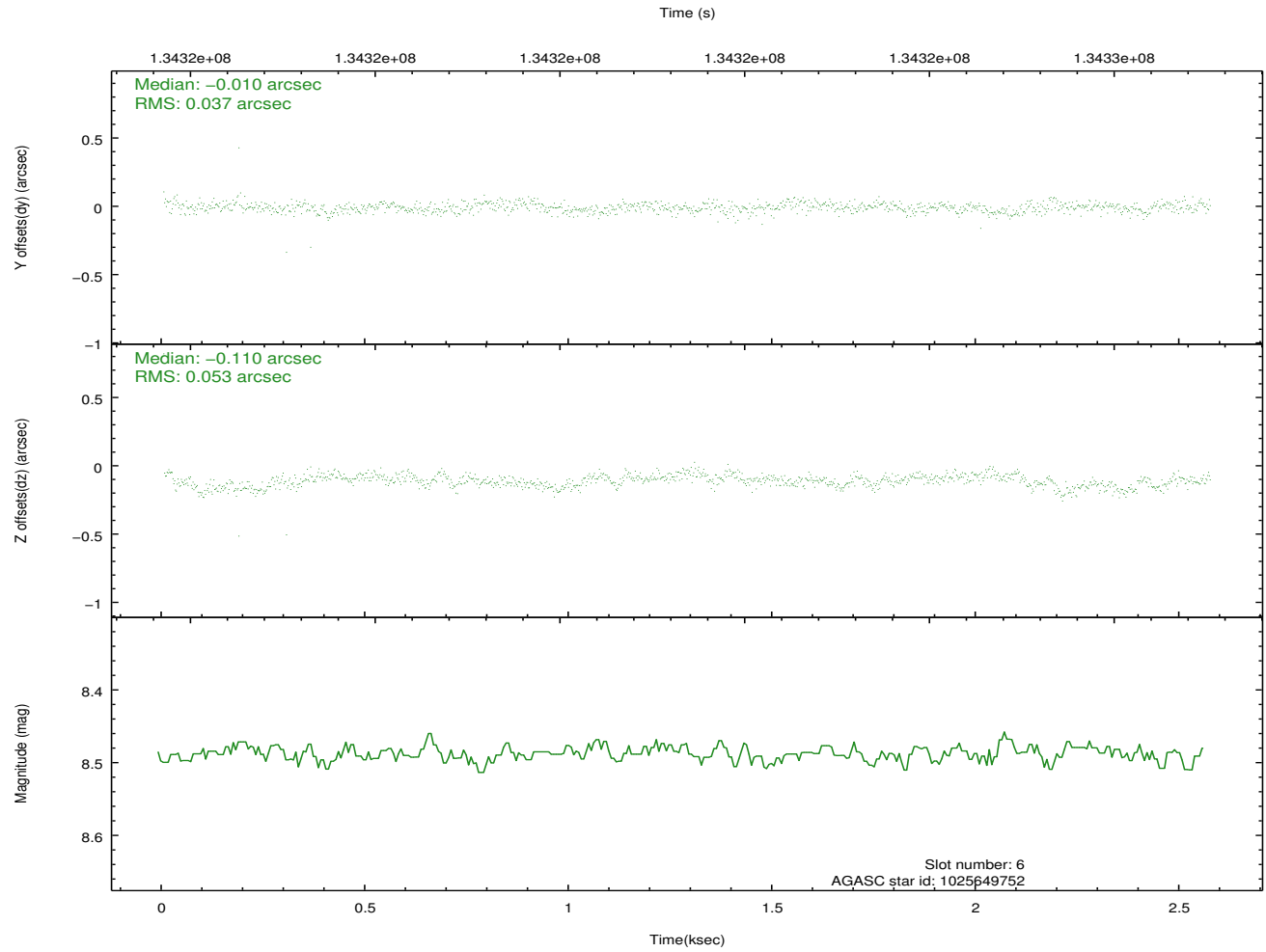
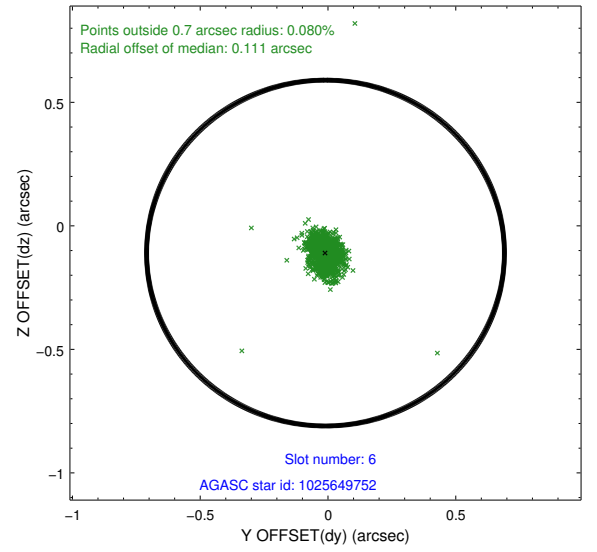
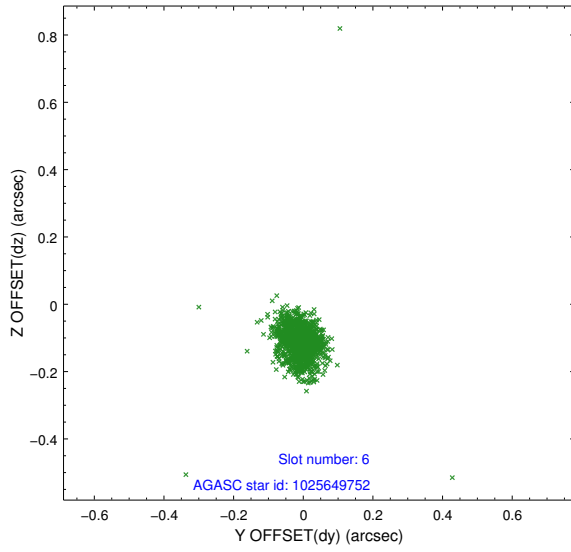
2.4.2 Slot 4



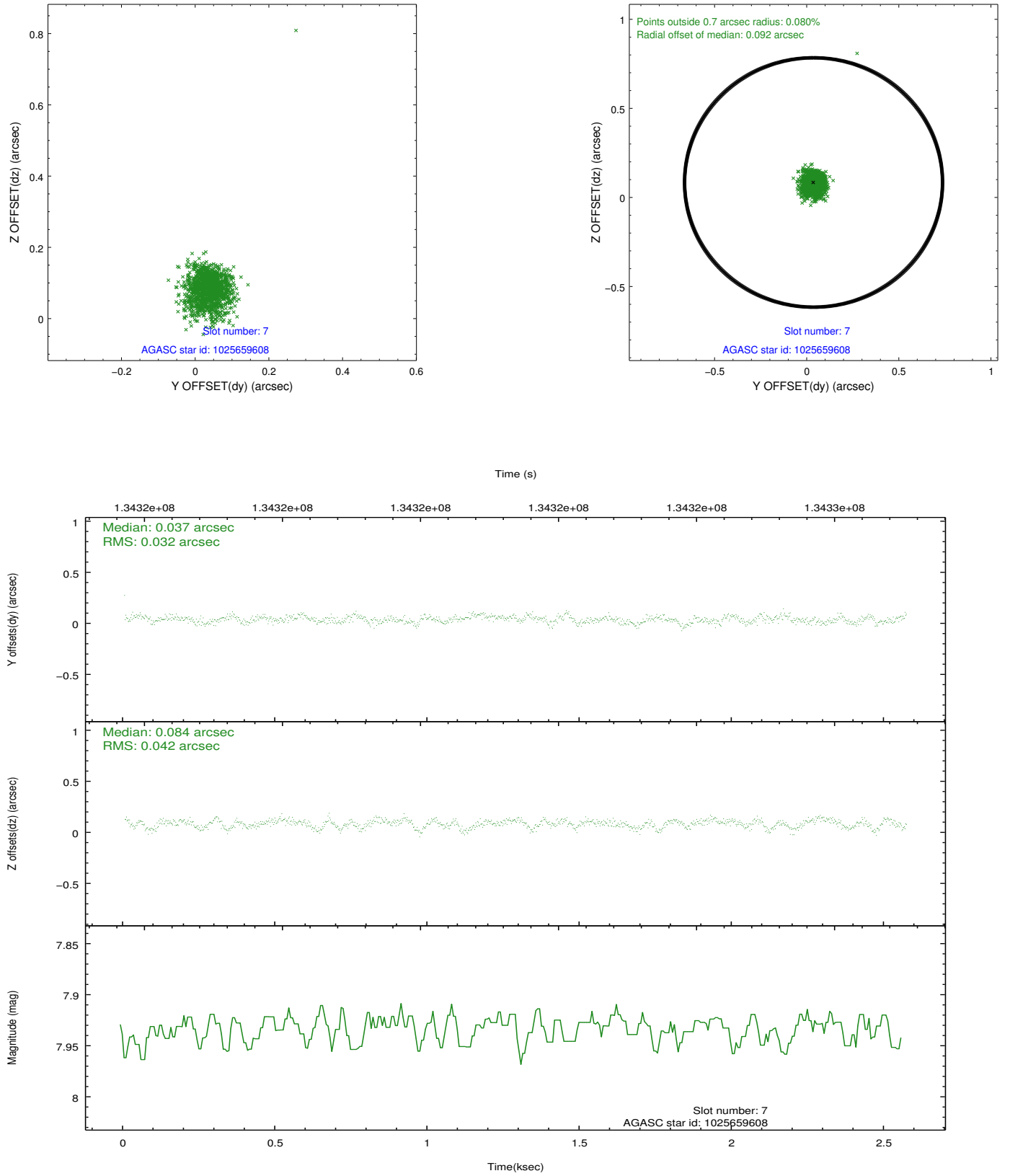
2.4.3 Slot 5



2.4.4 Slot 6

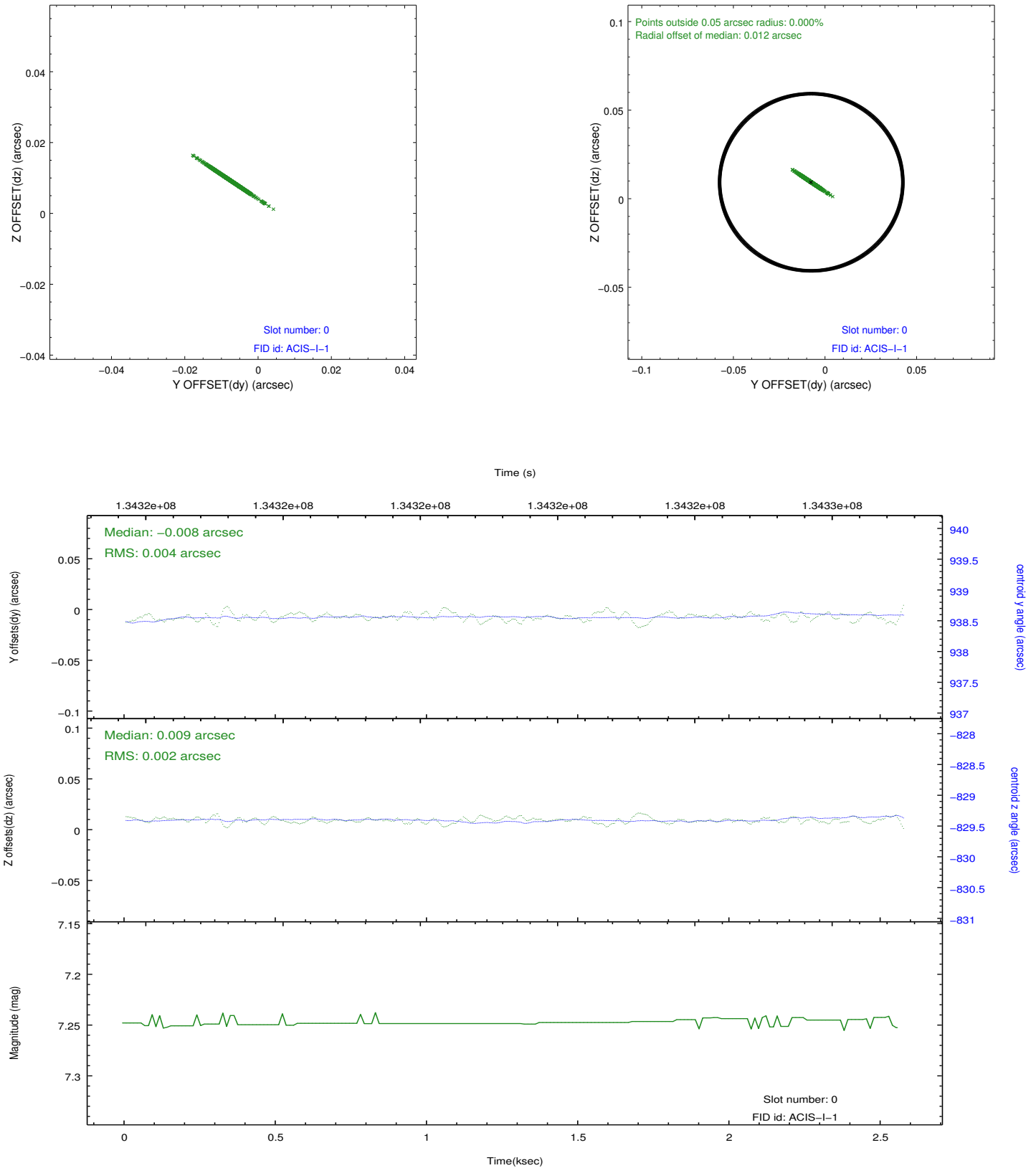


2.4.5 Slot 7

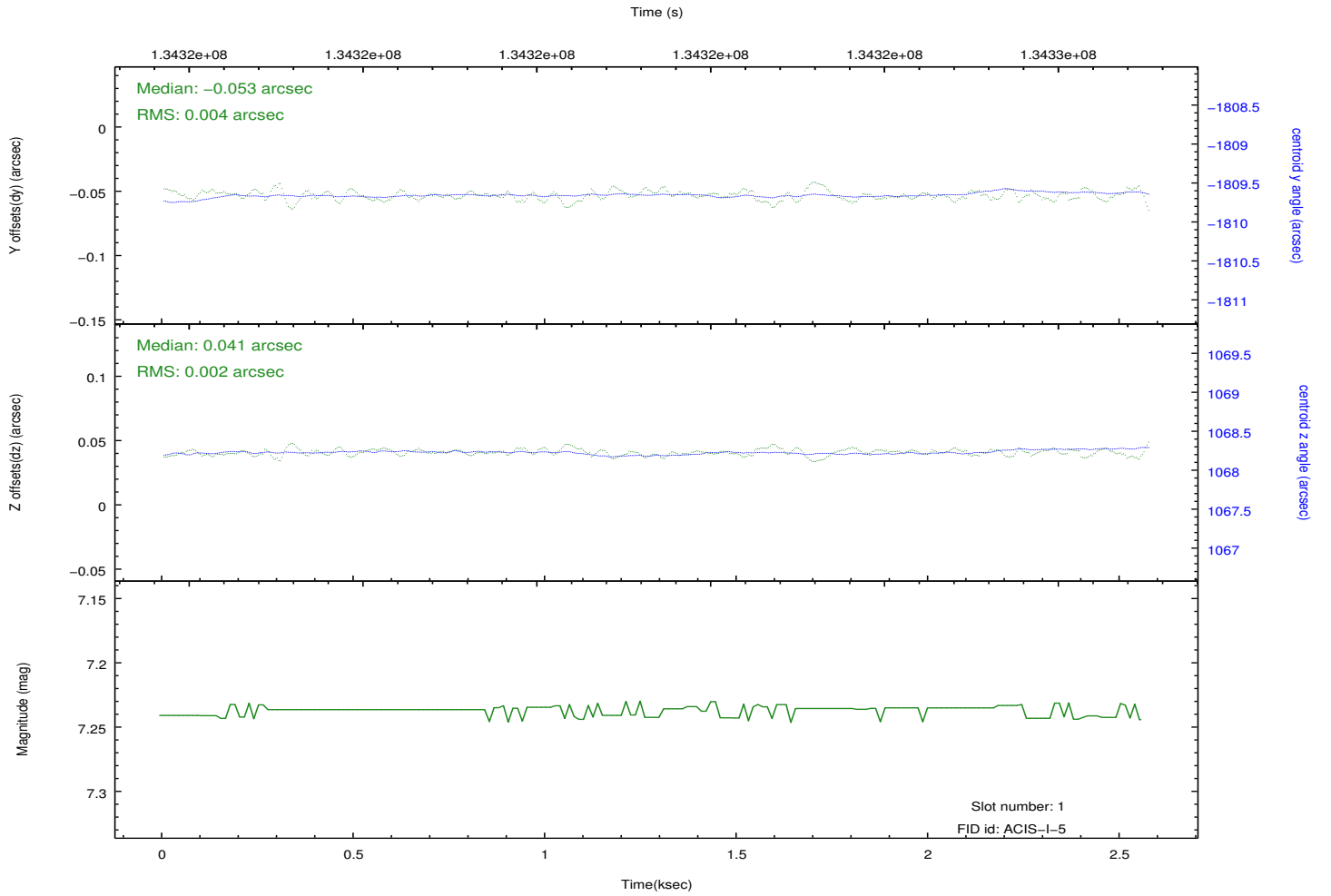
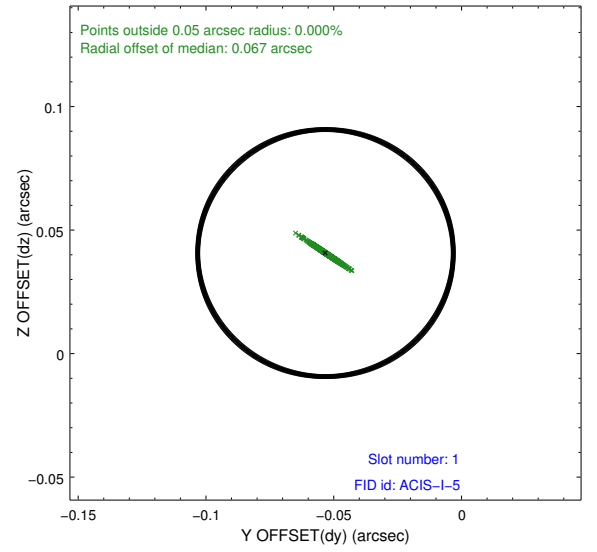
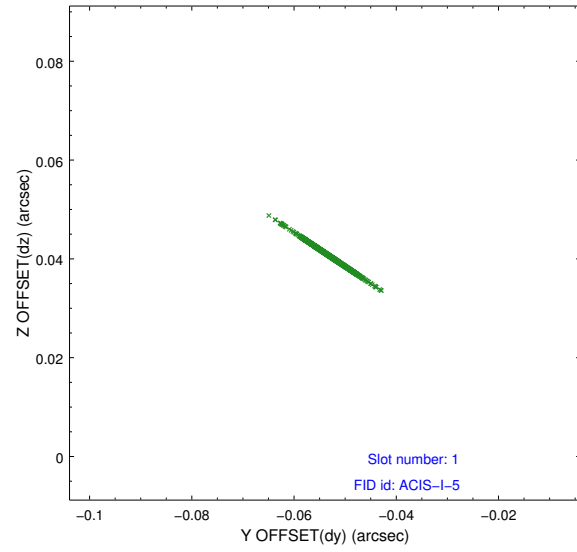


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.492

A.2 Comments

Data for the fid light position in slot 2 are permanently corrupted by a bad CCD pixel. and are not used in the aspect solution.