

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3742 - L2 Version 5
Chandra X-Ray Center

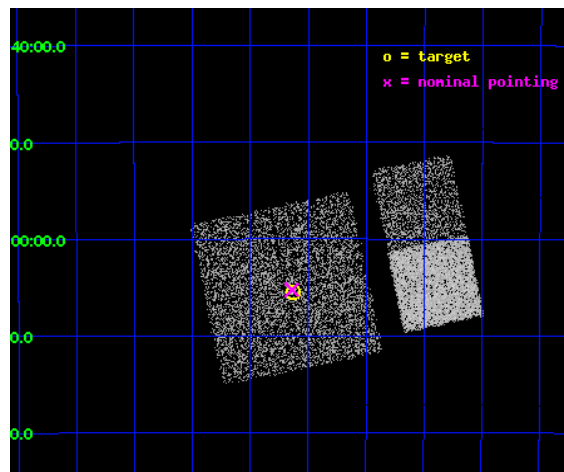
L2 Processing Date : Dec 17 2012

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1 Front

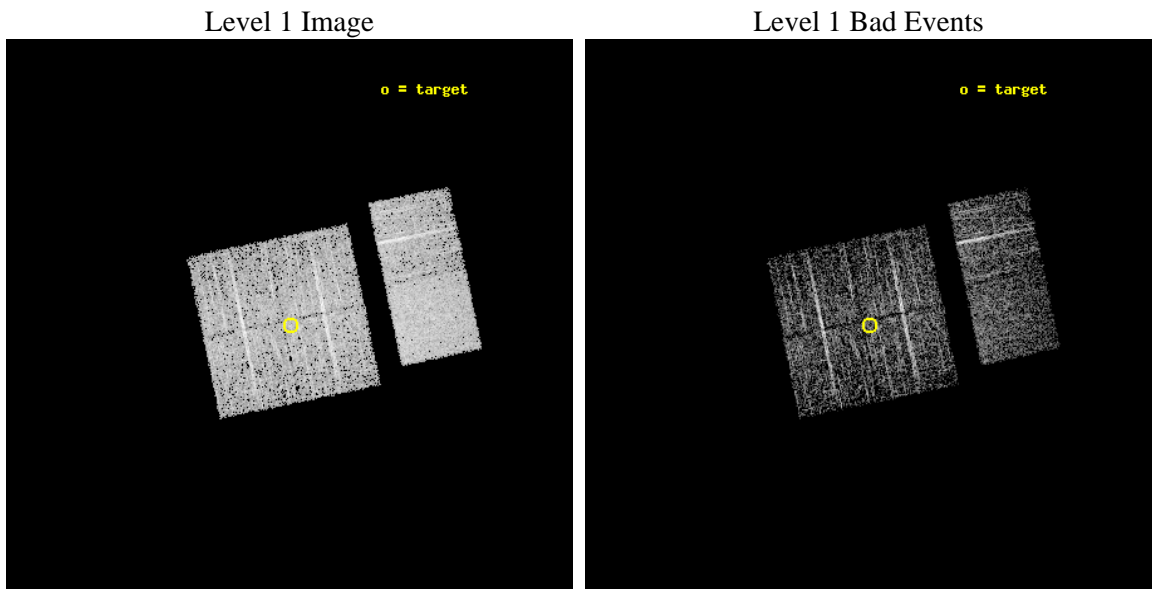
seq_num	200212	Sequence number
obs_id	3742	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD134837	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.282083	Observer's specified target RA [deg]
dec_targ	-36.091417	Observer's specified target Dec [deg]
ra_nom	228.28524332998	Nominal RA [deg]
dec_nom	-36.087651985395	Nominal Dec [deg]
roll_nom	78.312907845281	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2965.1663068235	Sum of GTIs [s]
livetime	2927.6195856377	Livetime [s]
ontime0	2965.0431868434	Sum of GTIs [s]
ontime1	2965.0842268169	Sum of GTIs [s]
ontime2	2965.1252668202	Sum of GTIs [s]
ontime3	2965.1663068235	Sum of GTIs [s]
ontime6	2965.2483868301	Sum of GTIs [s]
ontime7	2965.2073468268	Sum of GTIs [s]
l2events	20814	Number of level 2 events



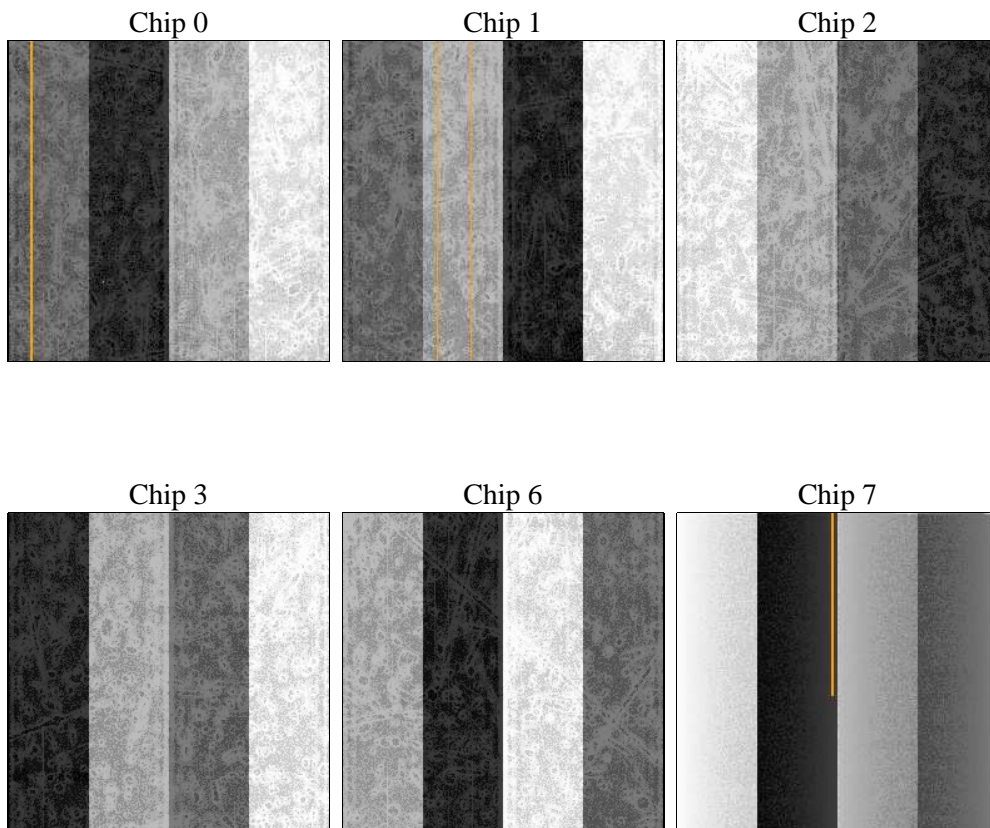
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2965.1663068235	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	2965.0431868434	Sum of GTIs [s]
date	2012-12-17T19:06:52	Date and time of file creation	ontime1	2965.0842268169	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2965.1252668202	Sum of GTIs [s]
			ontime3	2965.1663068235	Sum of GTIs [s]
			ontime6	2965.2483868301	Sum of GTIs [s]
			ontime7	2965.2073468268	Sum of GTIs [s]
			l1events	117777	Number of level 1 events

2.1.4 Events

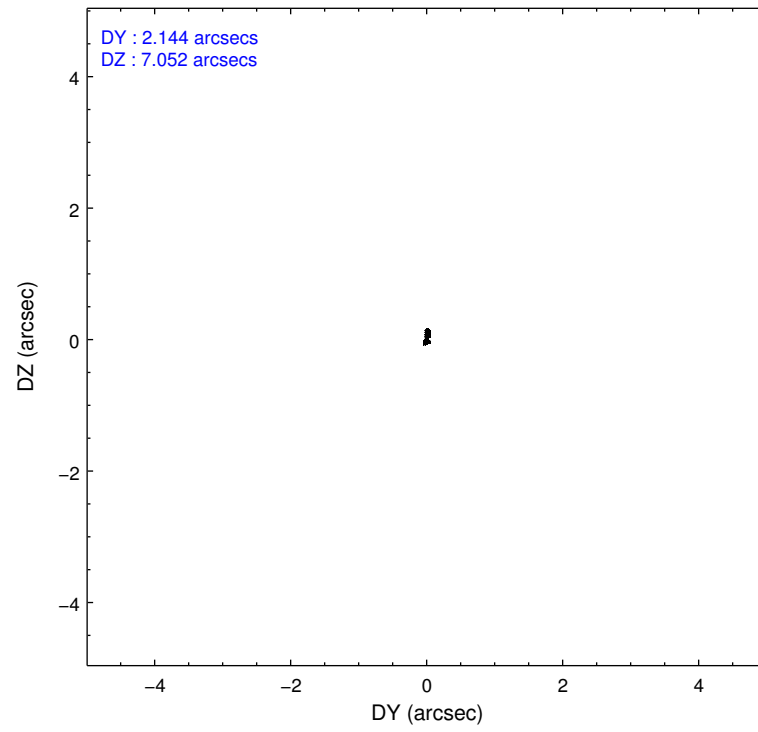
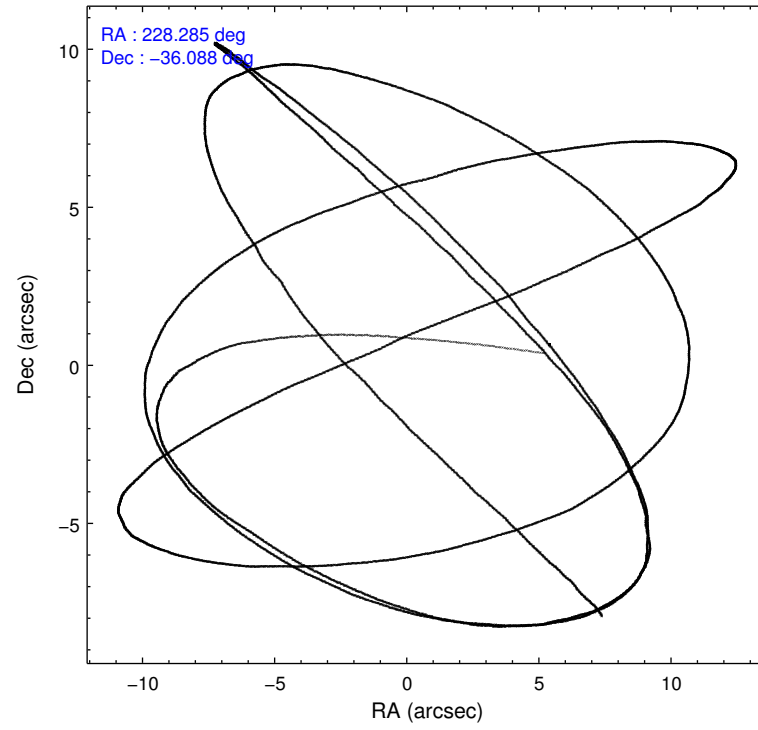
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	17486	17805	18540	19126	19602	25218	grade 0 events	1090	1091	1119	1238	1045	1066
rejected events	15017	15310	16254	16619	17186	14640		6%	6%	6%	6%	5%	4%
rejected %	85%	85%	87%	86%	87%	58%	grade 1 events	12	4	7	11	13	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	503	480	399	451	489	2057
								2%	2%	2%	2%	2%	8%
							grade 3 events	242	214	223	227	230	958
								1%	1%	1%	1%	1%	3%
							grade 4 events	244	241	214	237	222	986
								1%	1%	1%	1%	1%	3%
							grade 5 events	746	782	715	774	874	2389
								4%	4%	3%	4%	4%	9%
							grade 6 events	391	470	331	358	431	5523
								2%	2%	1%	1%	2%	21%
							grade 7 events	14258	14523	15532	15830	16298	12196
								81%	81%	83%	82%	83%	48%

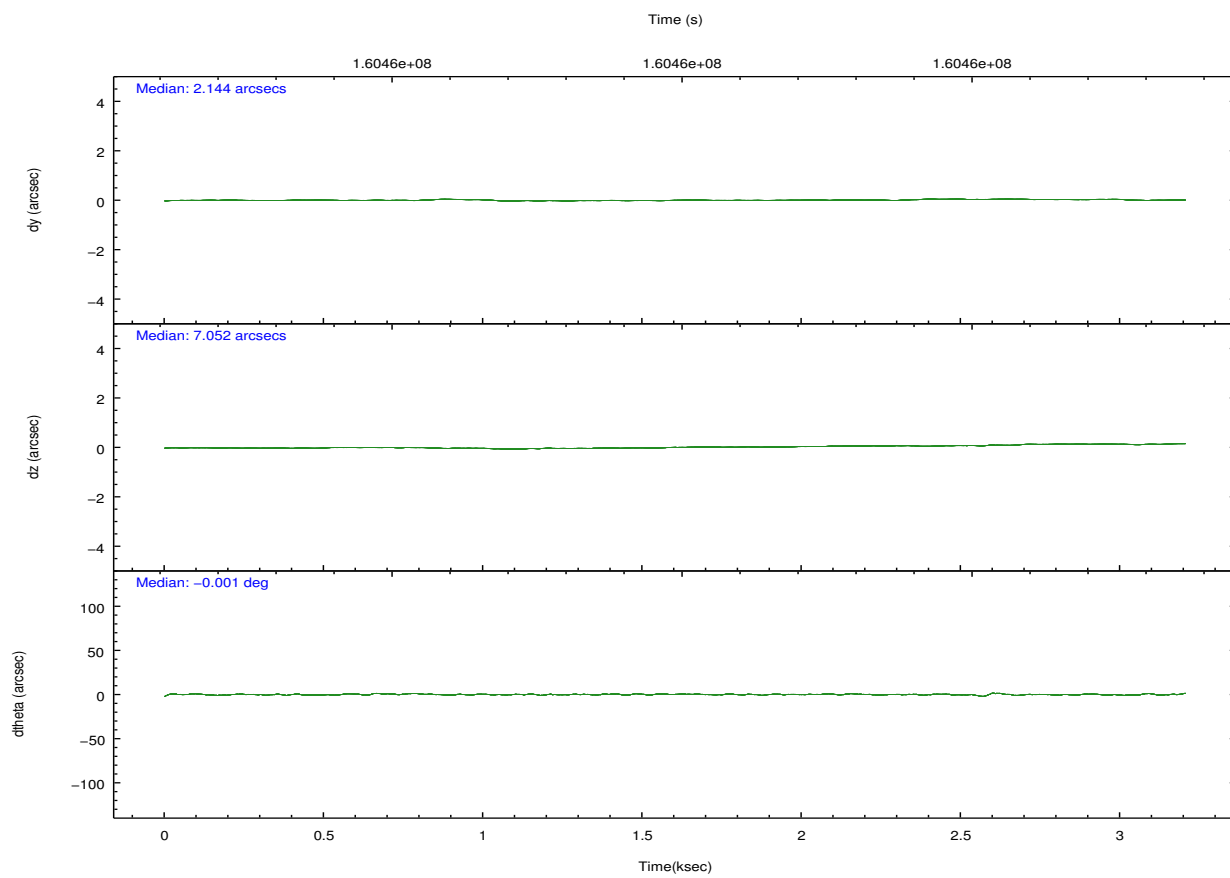
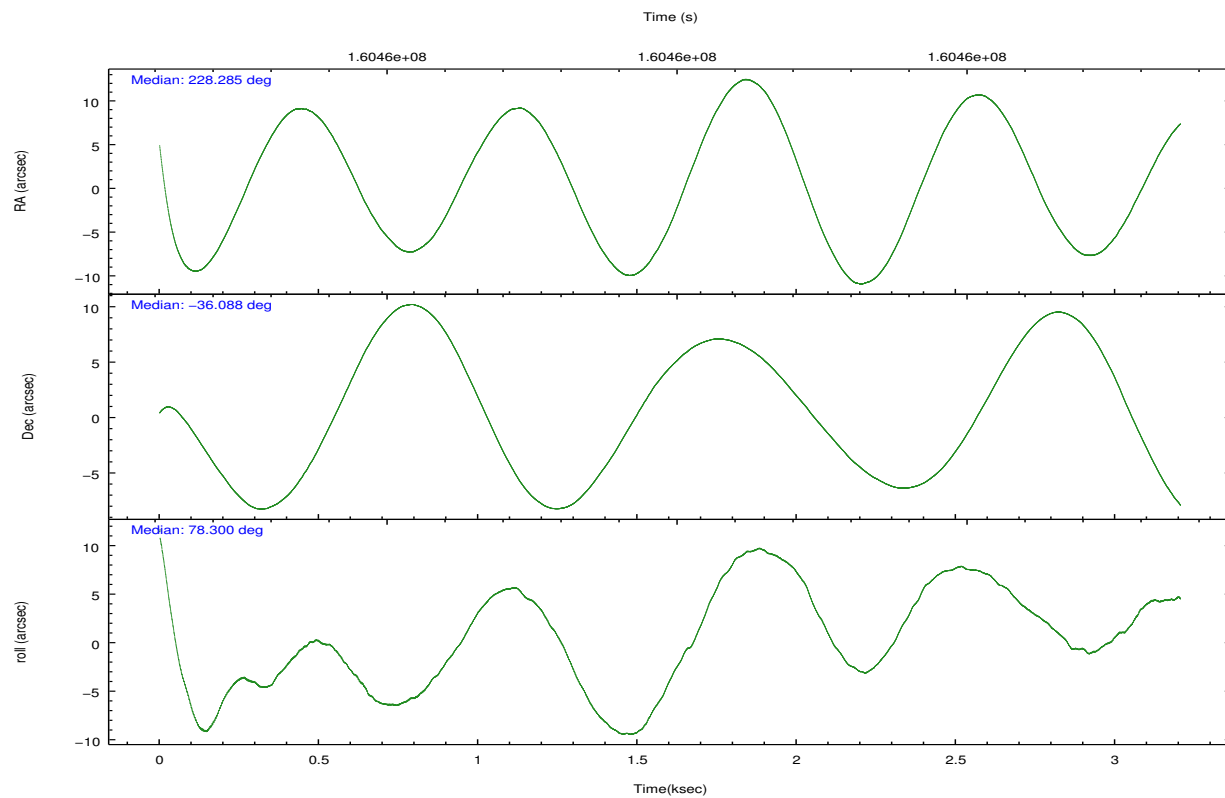
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	228.296129	228.2852433299764
[deg] Pointing Dec	-36.113565	-36.08765198539503
[deg] Pointing Roll	78.110587	78.31290784528052
[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)	160457582.184000	160456595.7799
Observation start date	2003-02-01T03:31:58	2003-02-01T03:16:35
[s] Observation end time (MET)	160460582.184000	160461420.9676
Observation end date	2003-02-01T04:21:58	2003-02-01T04:37:00
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



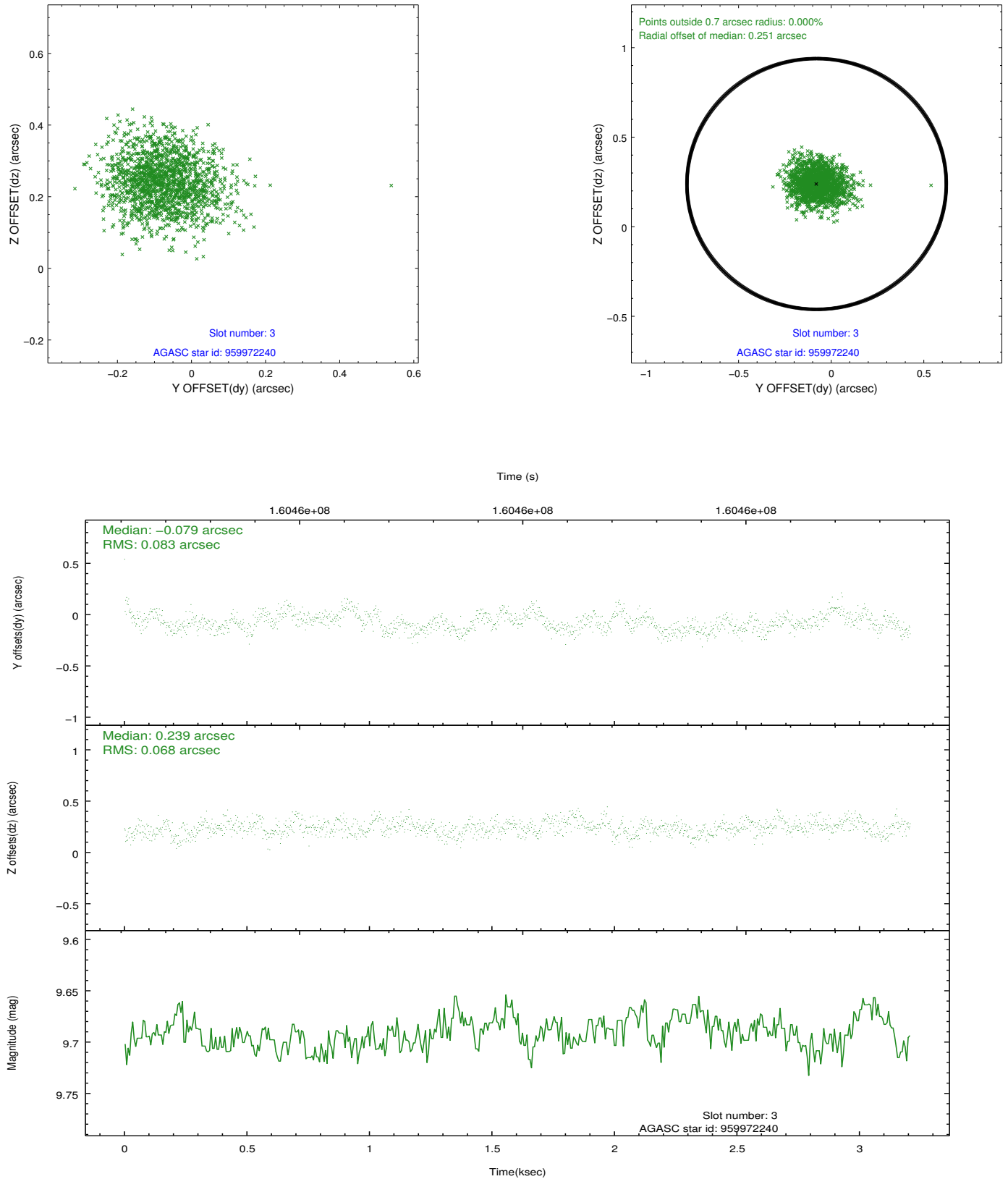


Slot Statistics

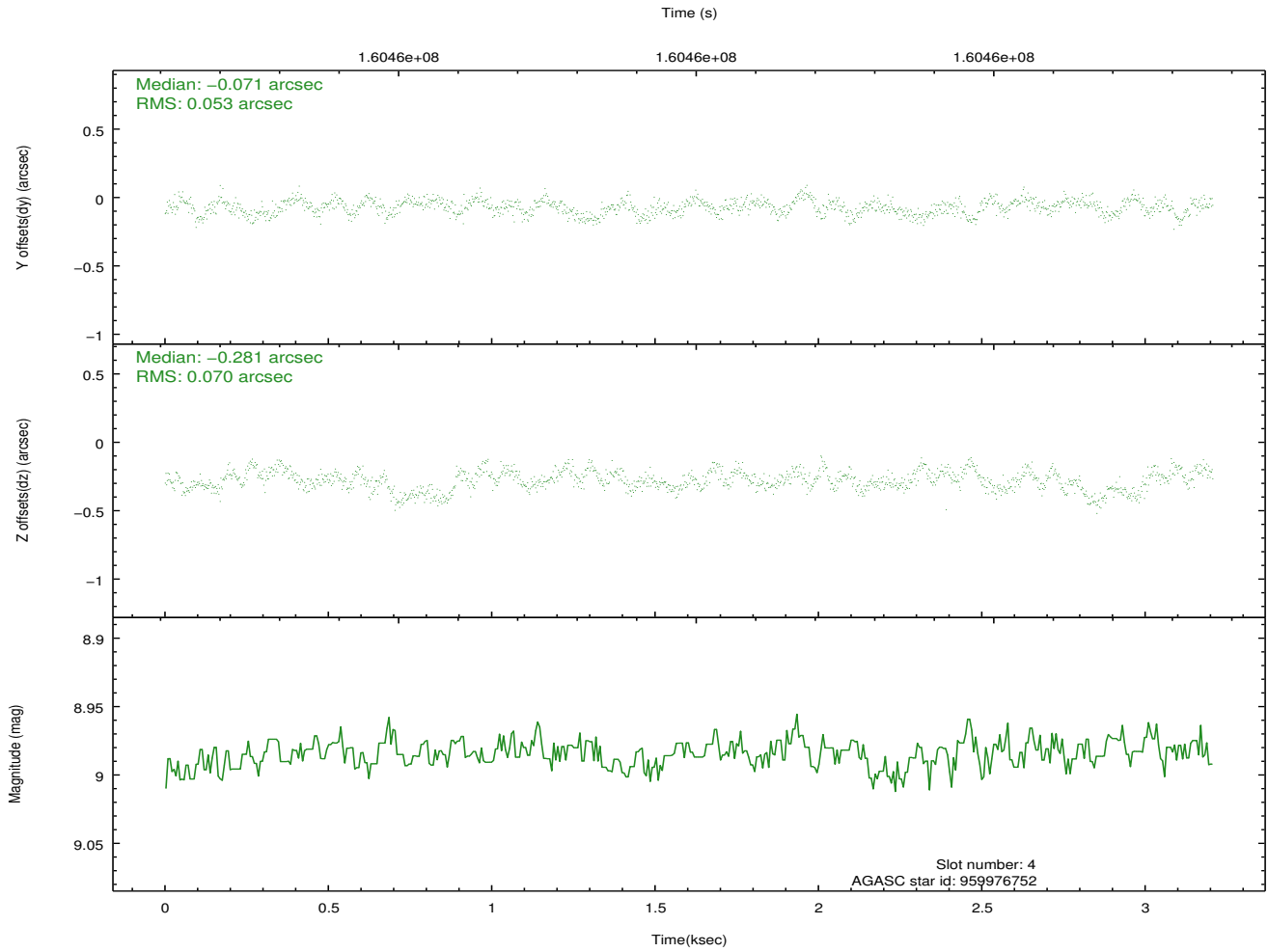
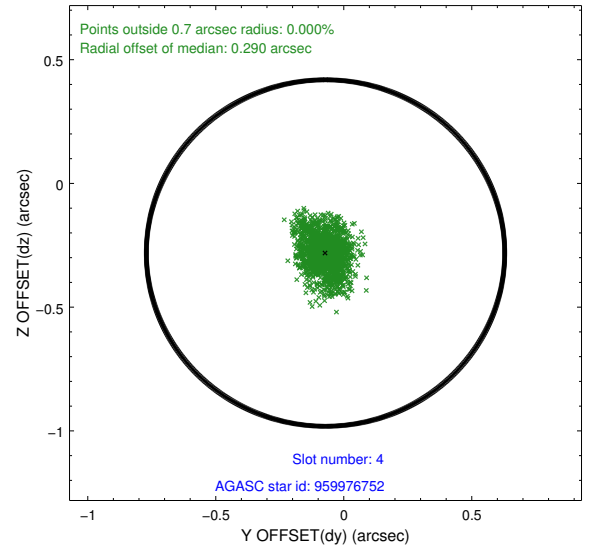
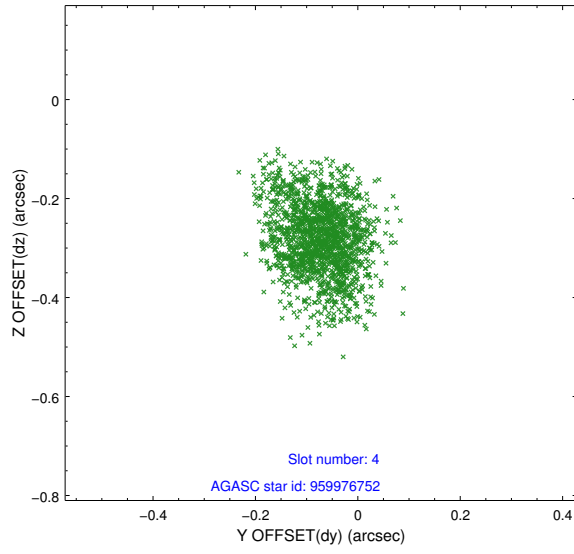
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	782	0.003	0.002	0.005	0.009	0.000000	0.000000	937.65	-830.48
1	FID	ACIS-I-5	7.24	783	-0.064	0.048	0.005	0.009	0.000000	0.000000	-1809.37	1066.12
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	959972240	9.69	1560	-0.079	0.239	0.114	0.185	228.985544	-35.937868	1026.91	-1837.56
4	GUIDE	959976752	8.98	1565	-0.071	-0.281	0.094	0.156	227.731106	-35.813602	712.96	1833.81
5	GUIDE	959977888	9.19	1565	0.055	-0.290	0.111	0.170	227.601539	-35.678655	1107.09	2309.40
6	GUIDE	959973440	9.48	1564	0.240	0.111	0.119	0.202	228.622119	-36.234893	-232.30	-1015.51
7	GUIDE	959973376	9.31	1562	-0.125	0.220	0.091	0.146	229.083221	-35.698057	1929.47	-1946.02

2.4 Star Slots

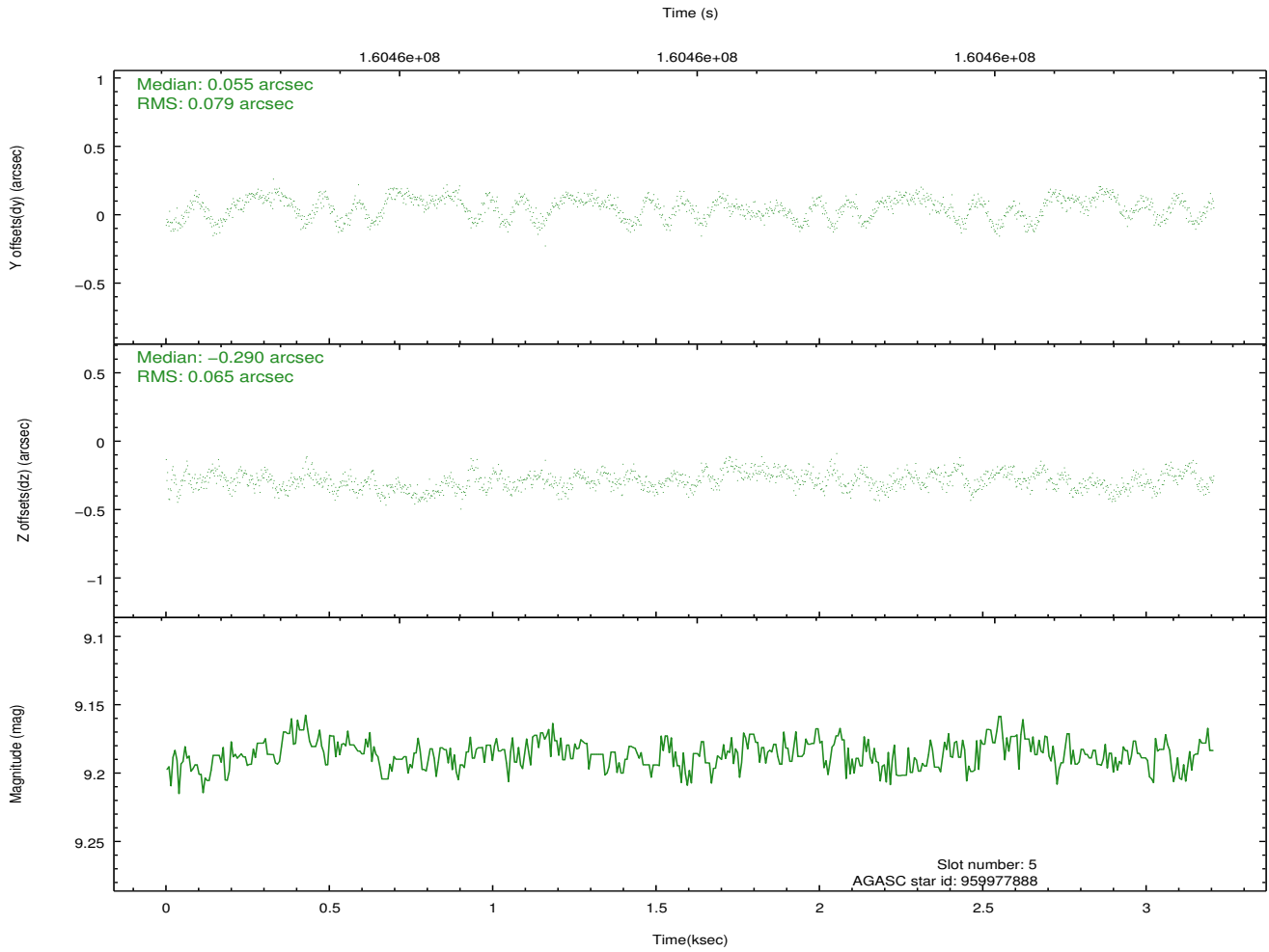
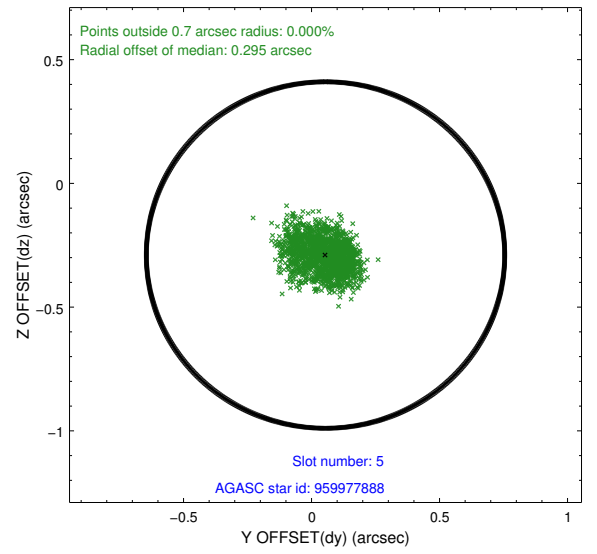
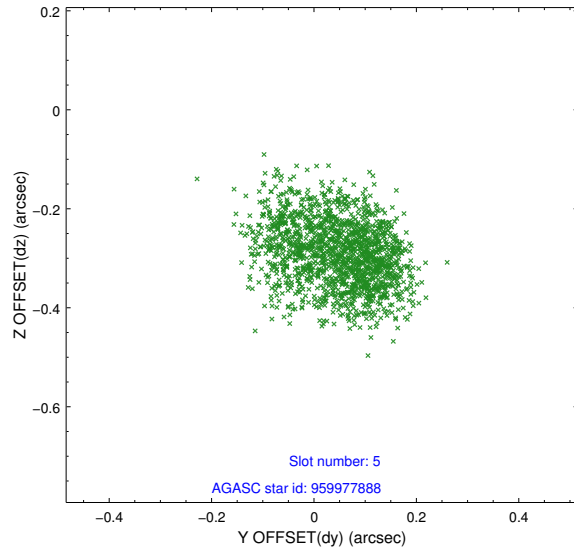
2.4.1 Slot 3



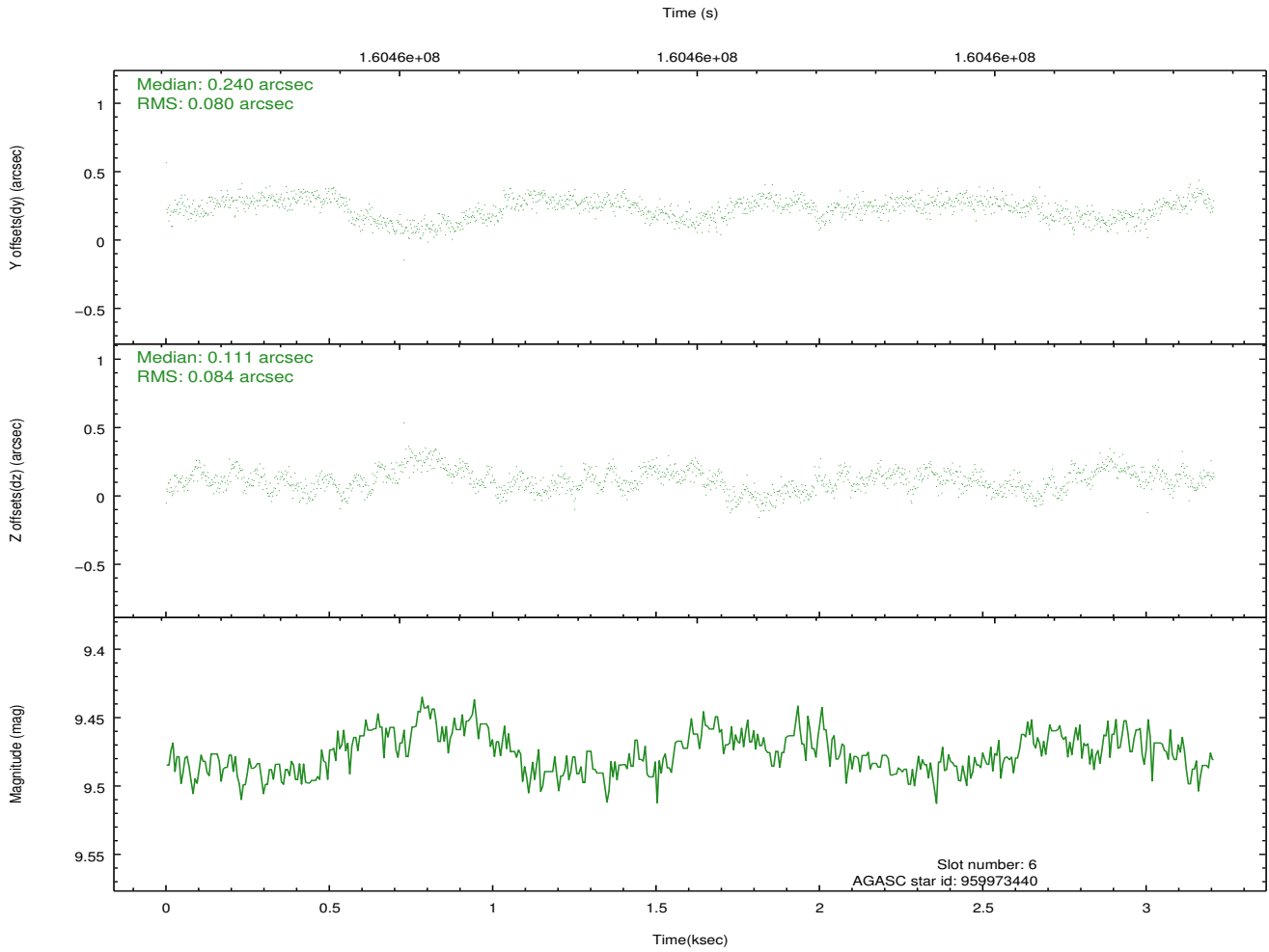
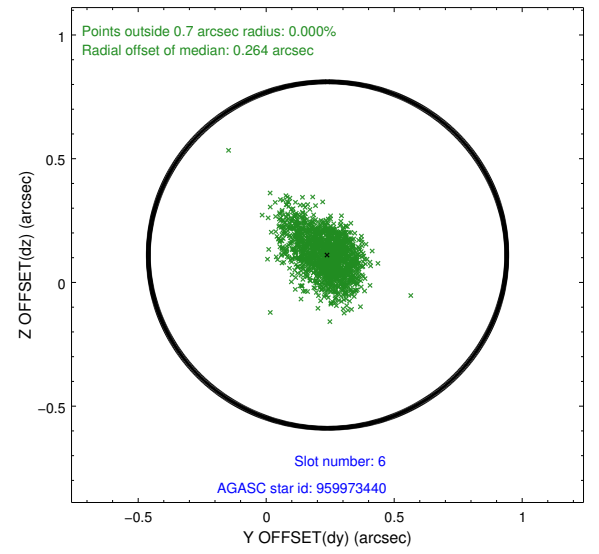
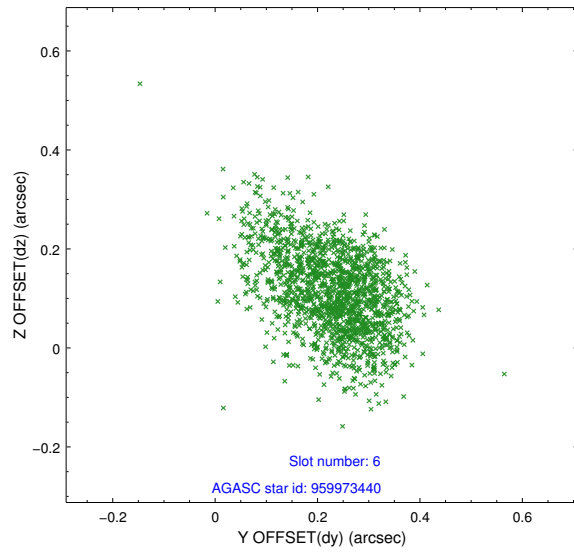
2.4.2 Slot 4



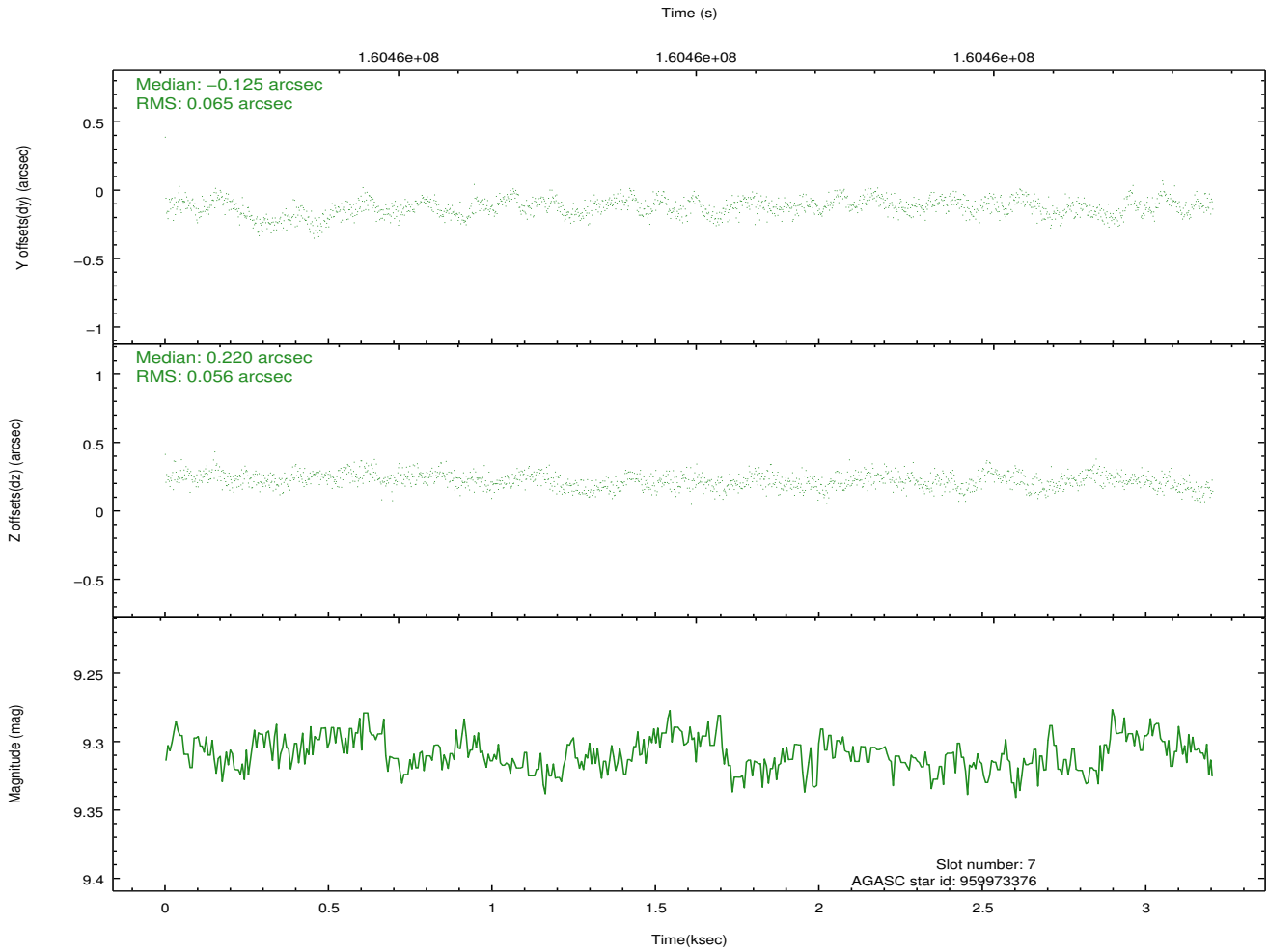
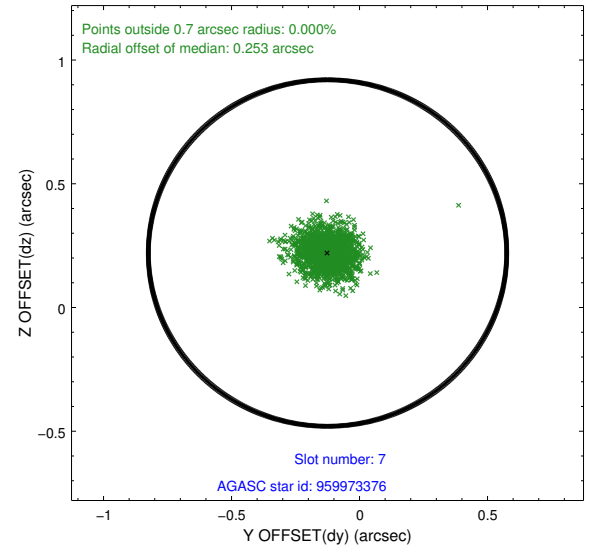
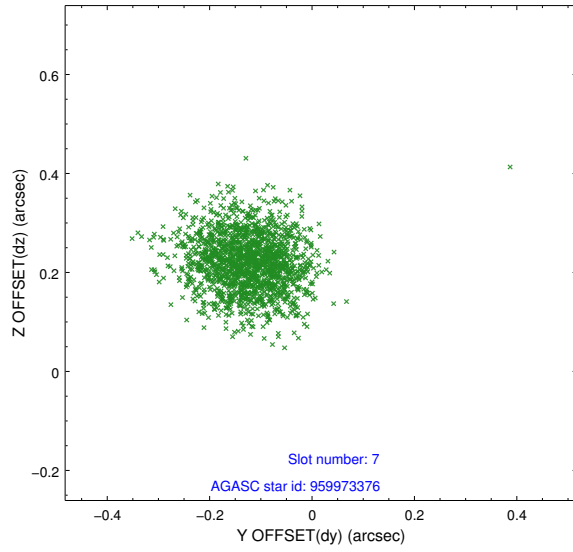
2.4.3 Slot 5



2.4.4 Slot 6

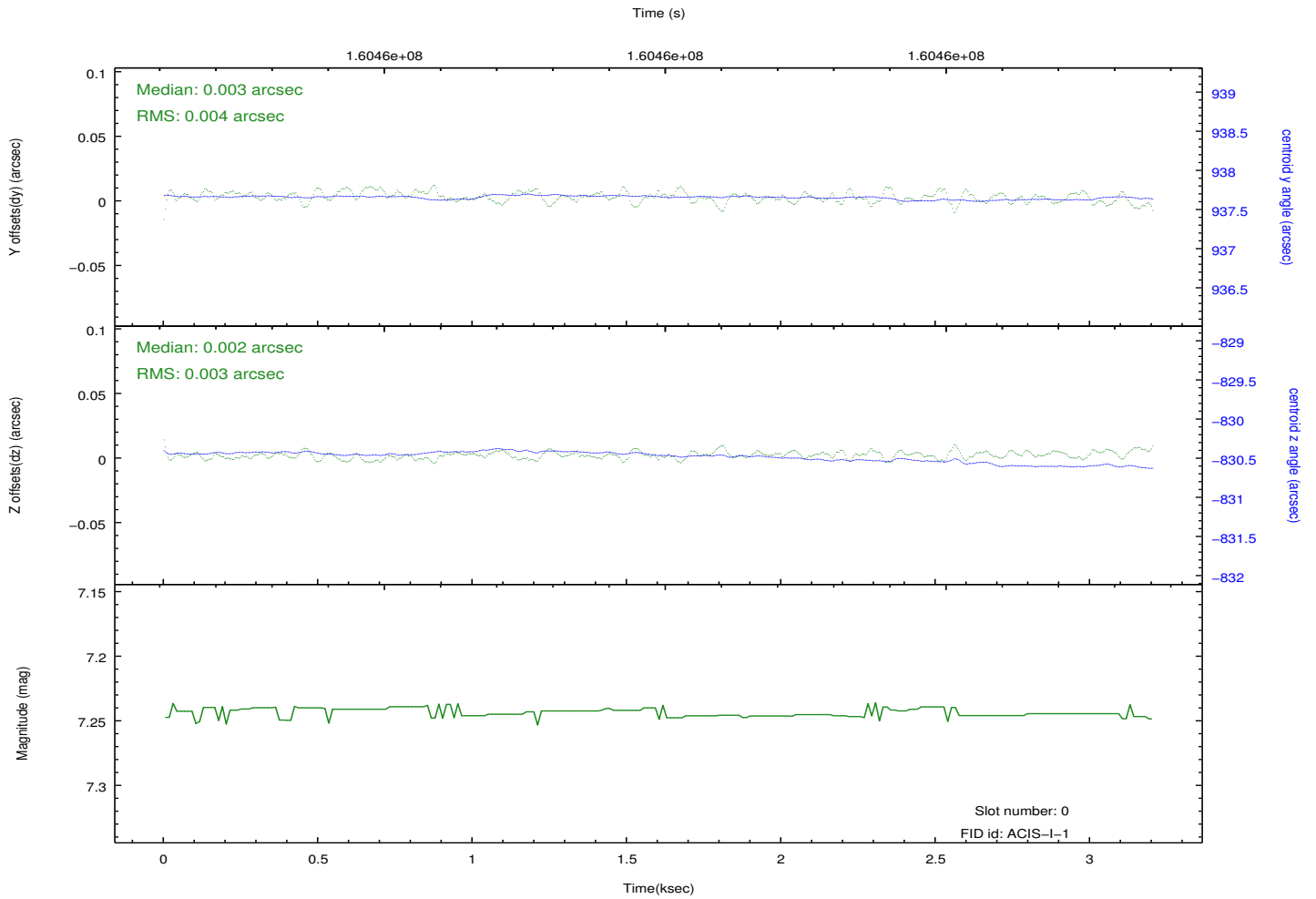
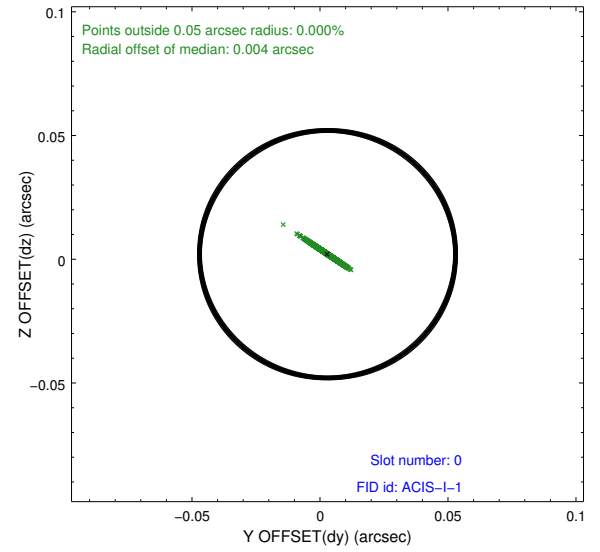
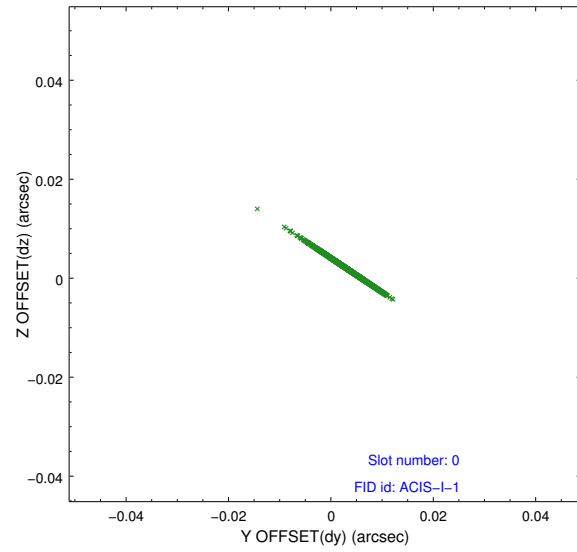


2.4.5 Slot 7

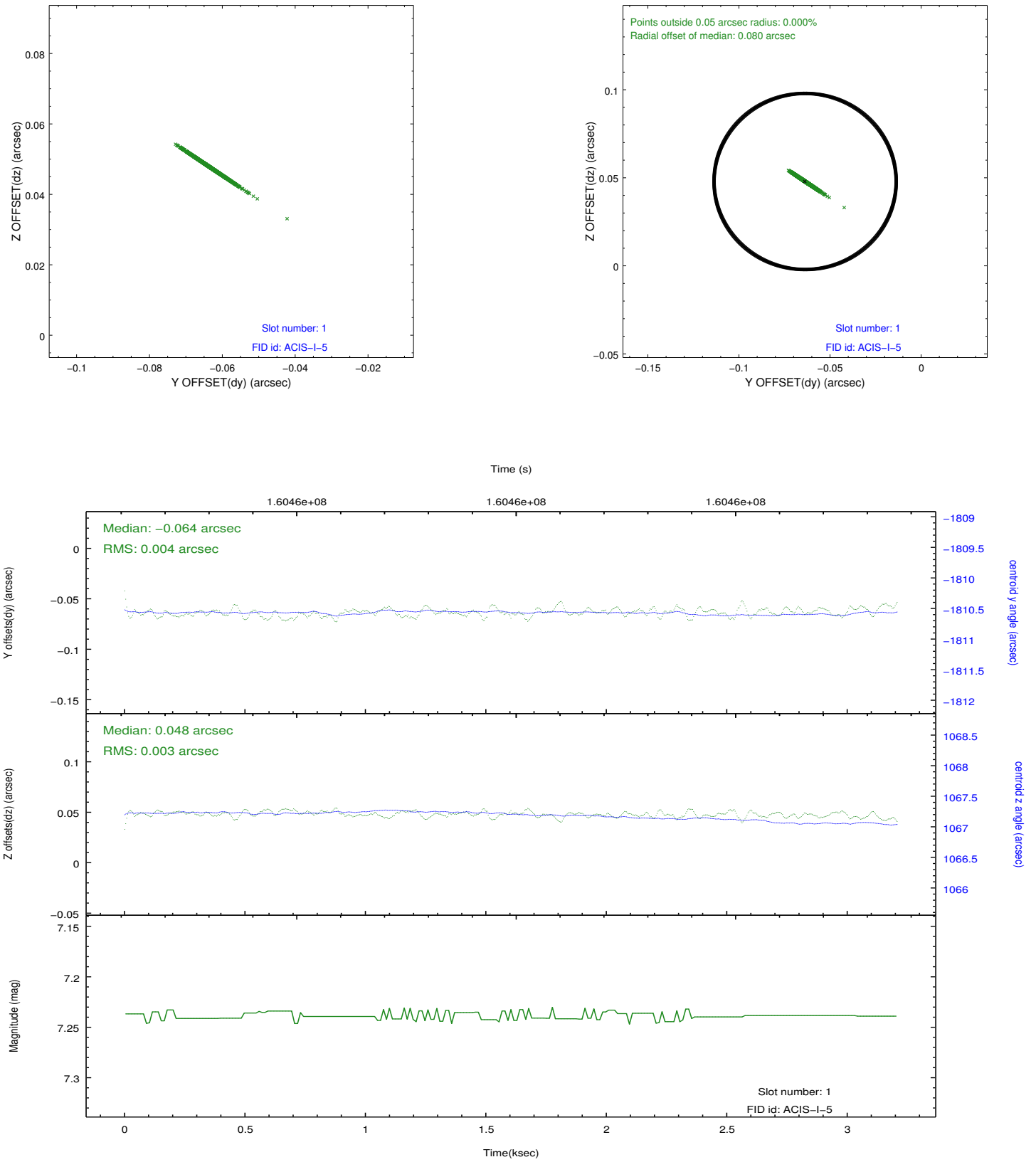


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.966

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.