

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4358 - L2 Version 3
Chandra X-Ray Center

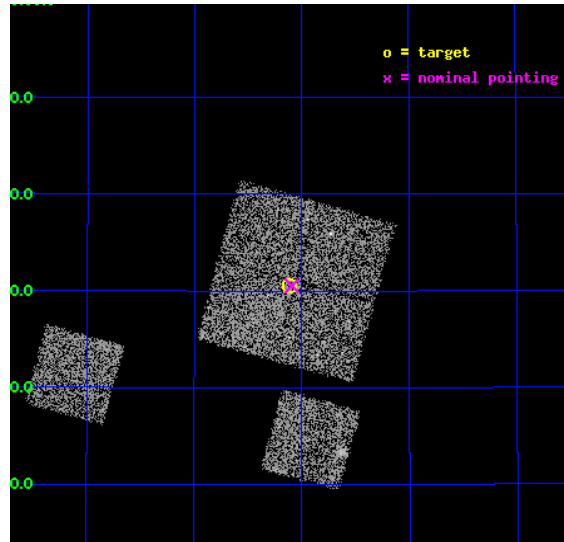
L2 Processing Date : Oct 13 2012

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1 Front

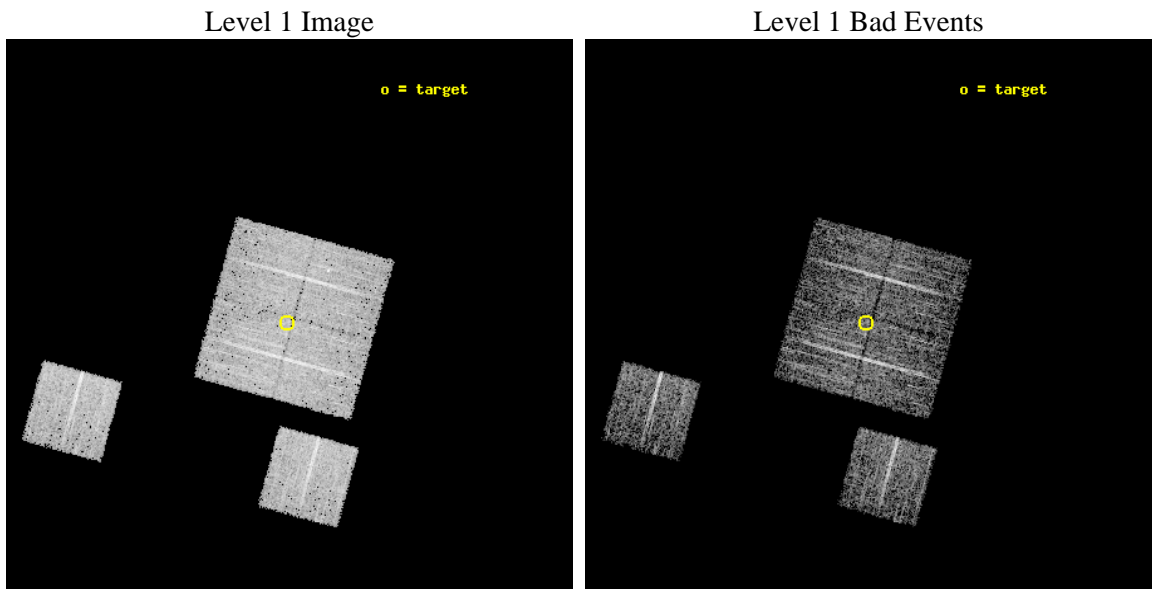
seq_num	400316	Sequence number
obs_id	4358	Observation id
title	INVESTIGATION OF THE UNIQUE UNIDENTIFIED TEV SOURCE, TEV J2032+4130, IN CYG OB2	Proposal title
observer	Dr. Yousaf Butt	Principal investigator
object	TEV J2032+4130	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	308.029167	Observer's specified target RA [deg]
dec_targ	41.508333	Observer's specified target Dec [deg]
ra_nom	308.02309376175	Nominal RA [deg]
dec_nom	41.508882332972	Nominal Dec [deg]
roll_nom	195.40100822942	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4975.999981463	Sum of GTIs [s]
livetime	4912.9908735102	Livetime [s]
ontime0	4975.999981463	Sum of GTIs [s]
ontime1	4975.999981463	Sum of GTIs [s]
ontime2	4975.999981463	Sum of GTIs [s]
ontime3	4975.999981463	Sum of GTIs [s]
ontime6	4975.999981463	Sum of GTIs [s]
ontime9	4975.999981463	Sum of GTIs [s]
l2events	23861	Number of level 2 events



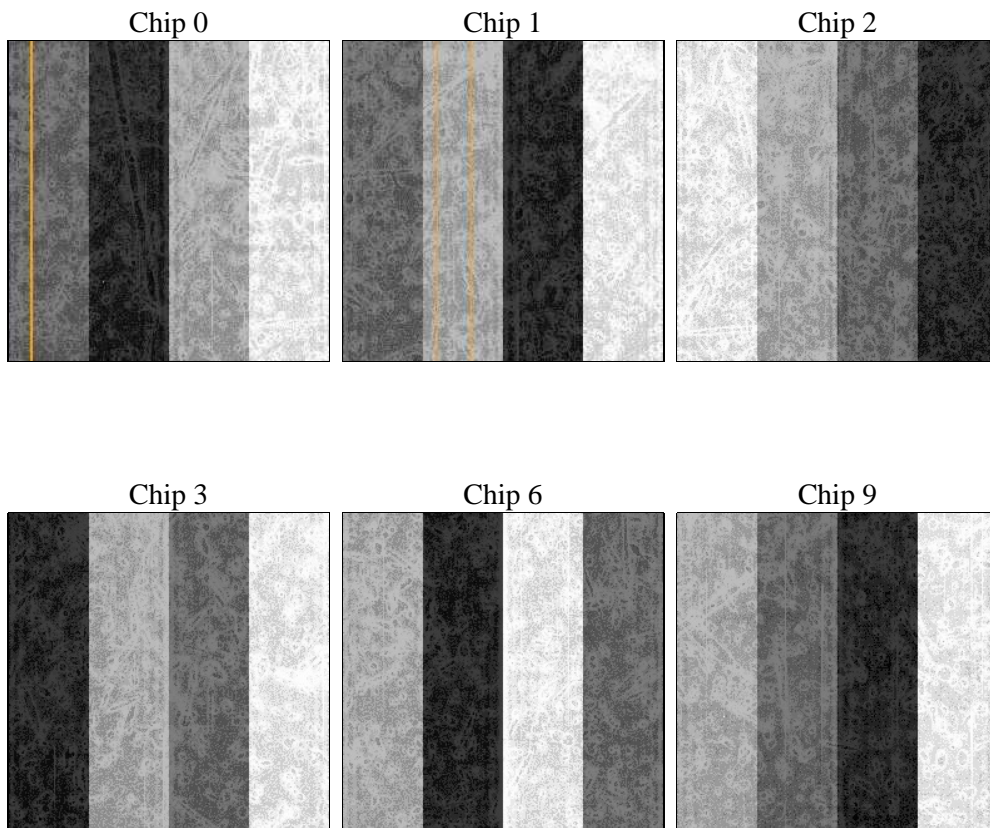
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4975.999981463	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4975.999981463	Sum of GTIs [s]
date	2012-10-14T00:31:52	Date and time of file creation	ontime1	4975.999981463	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4975.999981463	Sum of GTIs [s]
			ontime3	4975.999981463	Sum of GTIs [s]
			ontime6	4975.999981463	Sum of GTIs [s]
			ontime9	4975.999981463	Sum of GTIs [s]
			l1events	185899	Number of level 1 events

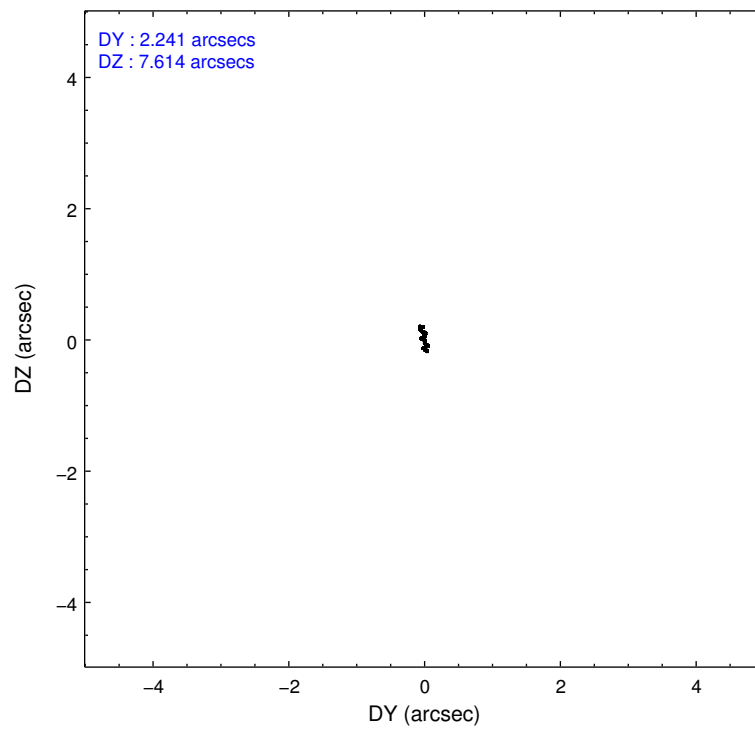
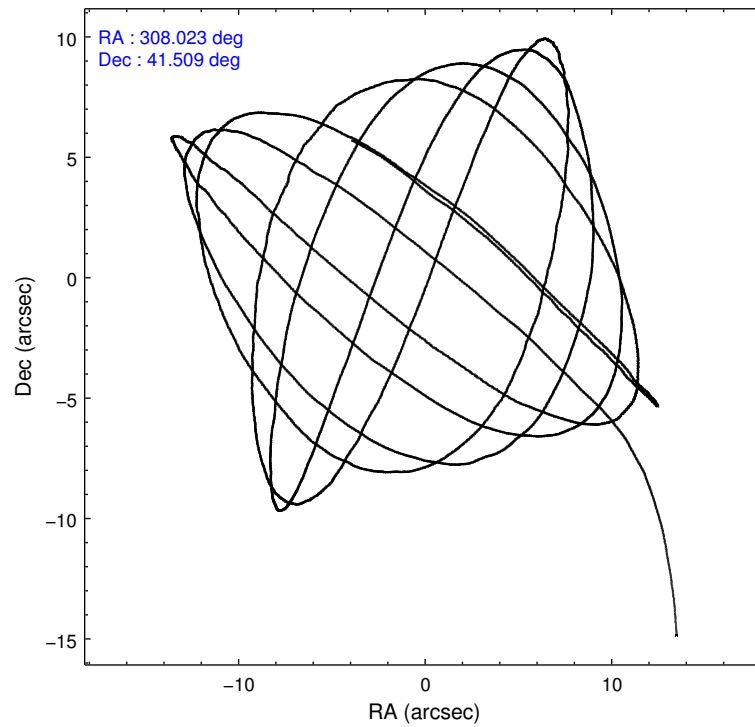
2.1.4 Events

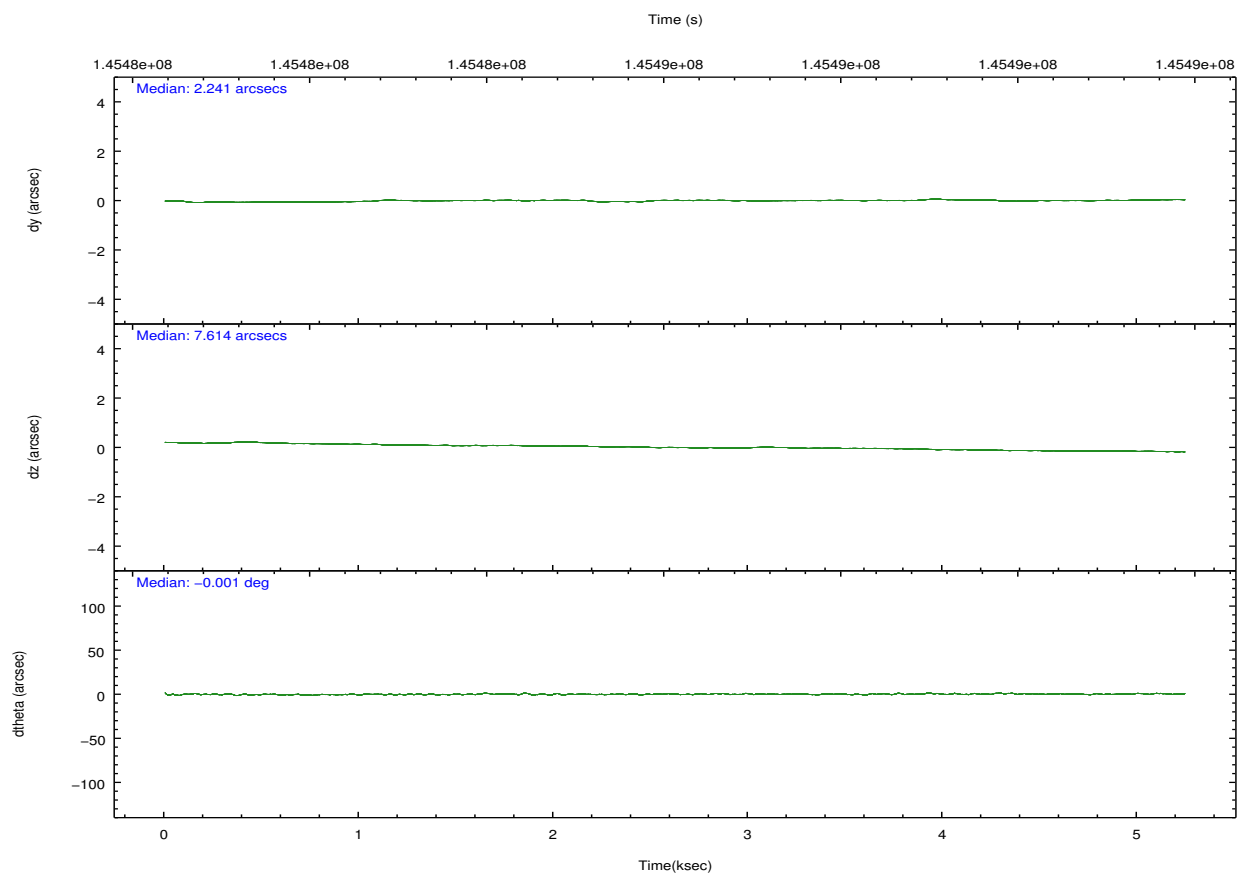
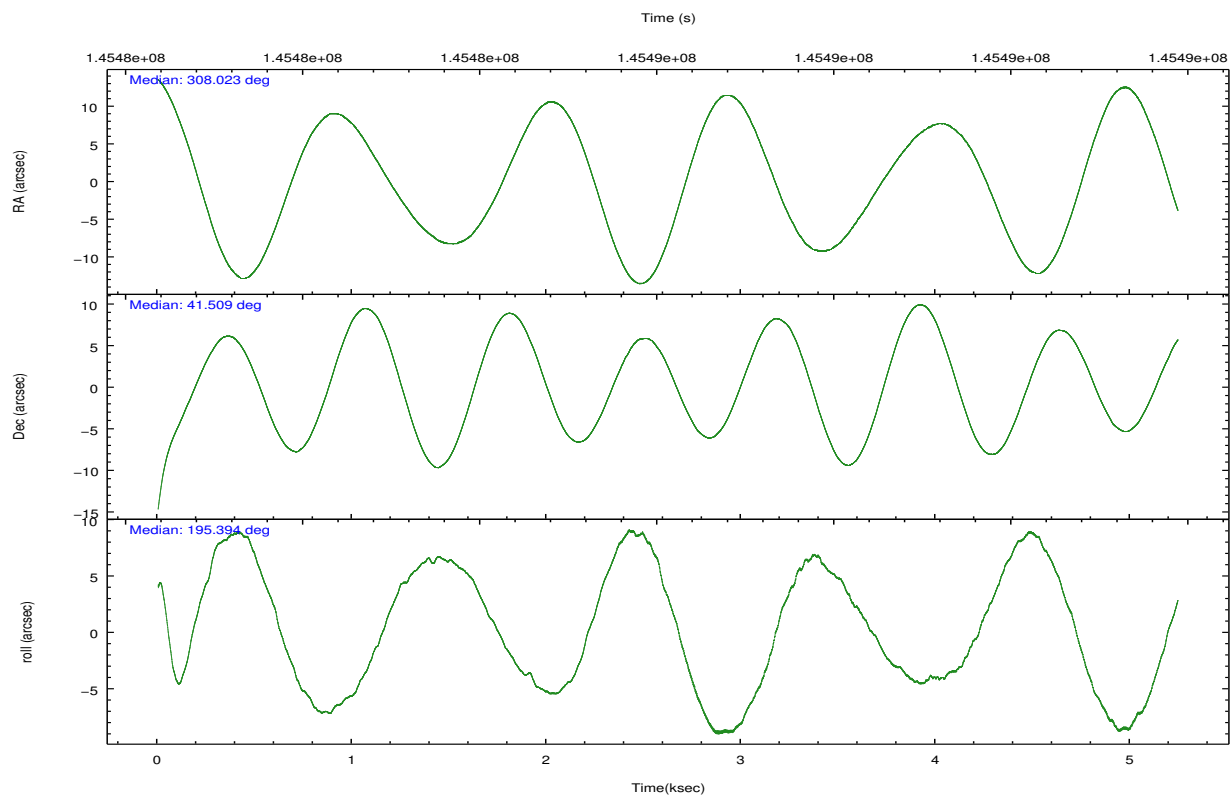
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 9		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 9
level 1 events	28375	29016	31358	32684	32122	32344	grade 0 events	2136	1873	2358	2557	2251	2012
rejected events	24038	24737	26721	27852	27523	27982		7%	6%	7%	7%	7%	6%
rejected %	84%	85%	85%	85%	85%	86%	grade 1 events	25	10	24	23	12	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	797	866	850	790	832	782
								2%	2%	2%	2%	2%	2%
							grade 3 events	376	399	369	417	386	415
								1%	1%	1%	1%	1%	1%
							grade 4 events	380	395	407	419	366	396
								1%	1%	1%	1%	1%	1%
							grade 5 events	1196	1236	1153	1331	1393	1479
								4%	4%	3%	4%	4%	4%
							grade 6 events	649	748	656	651	766	758
								2%	2%	2%	1%	2%	2%
							grade 7 events	22816	23489	25541	26496	26116	26486
								80%	80%	81%	81%	81%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012369	ACIS-012369	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	308.048606	308.0230937617493	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.528516	41.50888233297187	Alternating exposures requested	N	N
[deg] Pointing Roll	195.175382	195.4010082294203	[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)	145483691.184000	145482690.98249			
Observation start date	2002-08-11T20:07:07	2002-08-11T19:51:30			
[s] Observation end time (MET)	145488691.184000	145489437.02027			
Observation end date	2002-08-11T21:30:27	2002-08-11T21:43:57			
Read mode	TIMED	TIMED			

2.3 Aspect



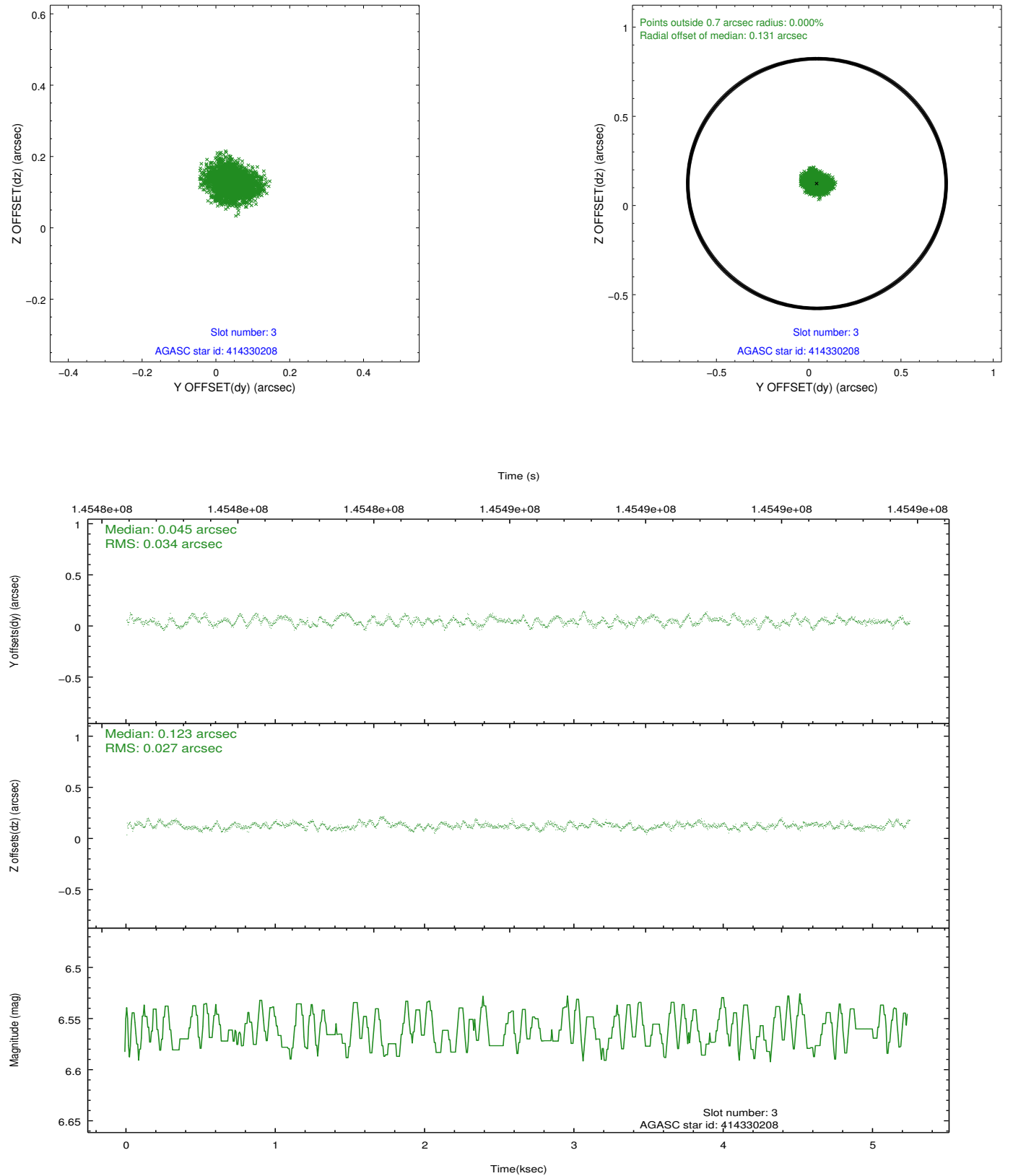


Slot Statistics

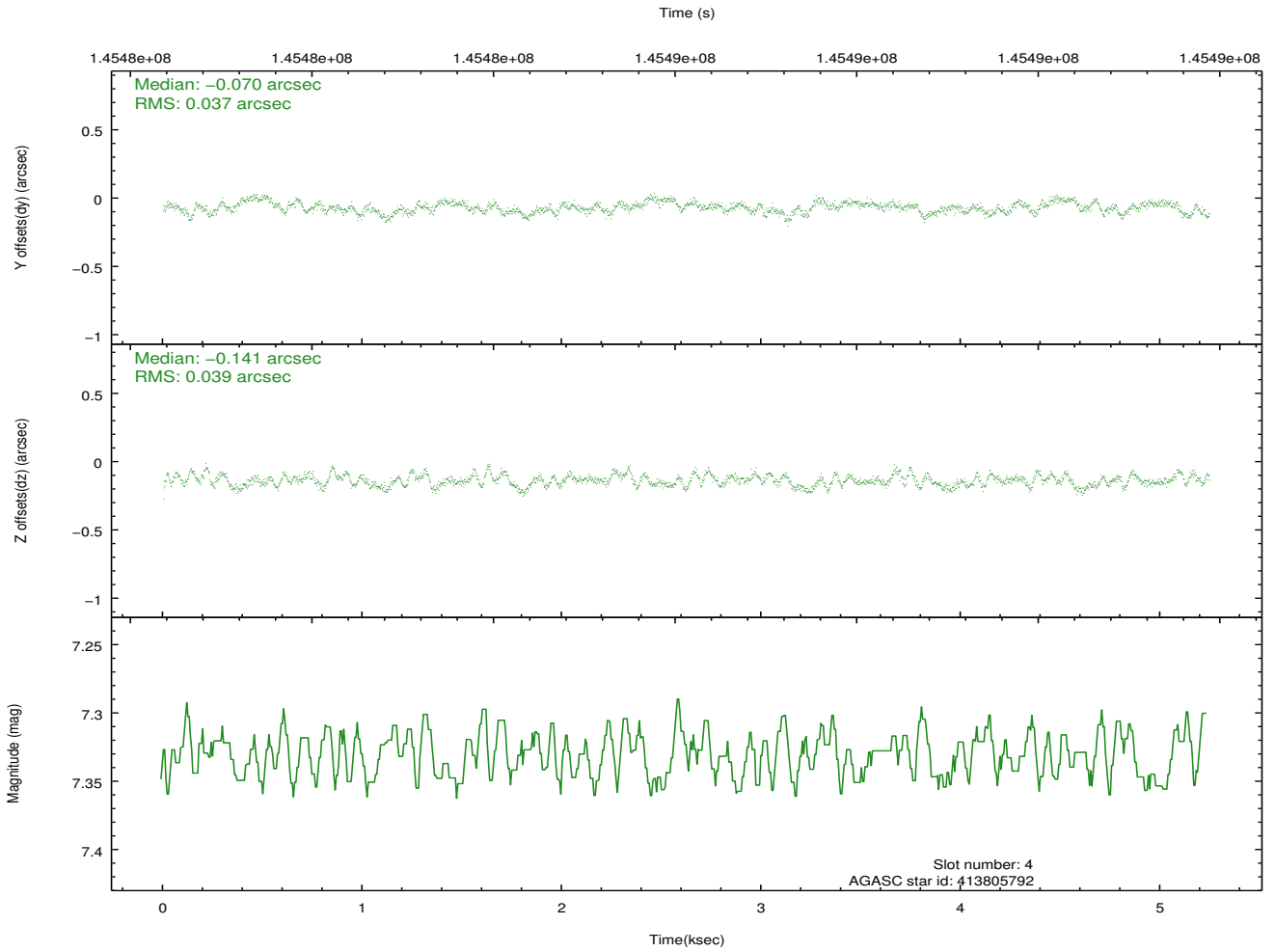
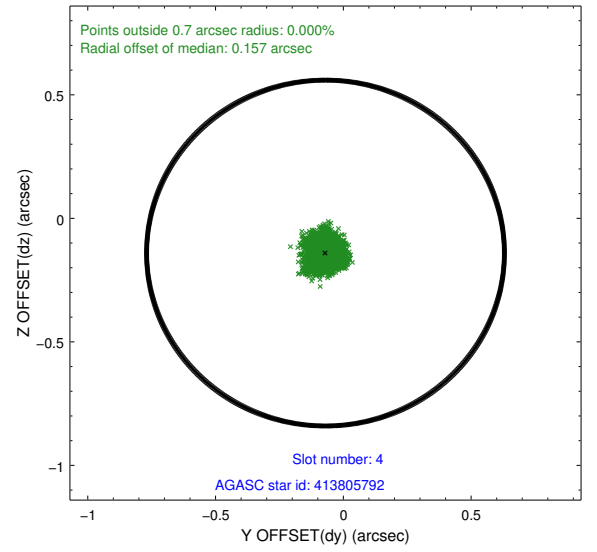
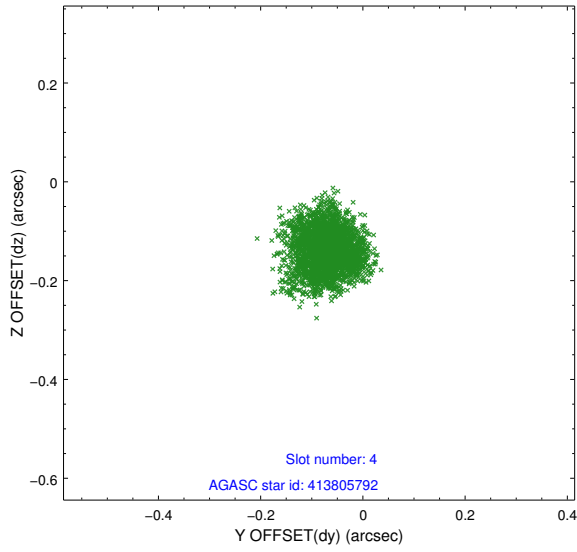
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1279	-0.017	0.047	0.009	0.016	0.000000	0.000000	937.55	-831.01
1	FID	ACIS-I-5	7.23	1280	-0.039	0.043	0.006	0.012	0.000000	0.000000	-1809.90	1065.96
2	FID	ACIS-I-6	7.26	1279	-0.035	-0.020	0.007	0.012	0.000000	0.000000	401.88	1711.66
3	GUIDE	414330208	6.56	2559	0.045	0.123	0.047	0.075	308.825098	41.890180	-2351.64	-720.57
4	GUIDE	413805792	7.33	2559	-0.070	-0.141	0.059	0.092	307.778748	40.858024	1339.38	2136.40
5	GUIDE	414200552	8.04	2558	0.094	0.065	0.094	0.147	307.125971	42.009807	1925.76	-2329.39
6	GUIDE	413798232	8.32	2558	-0.033	-0.025	0.102	0.186	309.116117	41.044272	-2345.37	2423.50
7	GUIDE	414199536	8.60	2557	-0.053	-0.021	0.074	0.120	307.117380	41.957142	1997.86	-2153.17

2.4 Star Slots

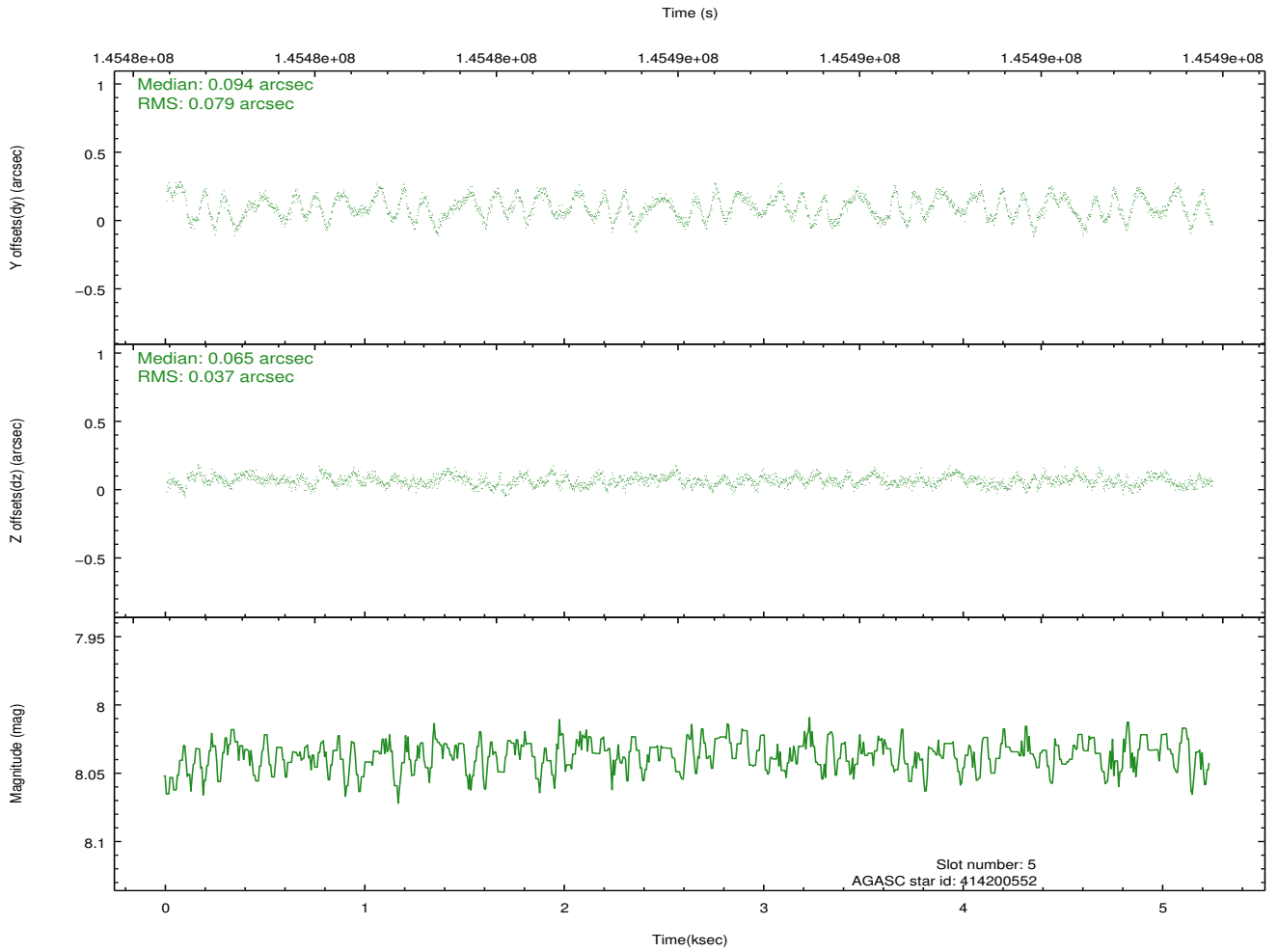
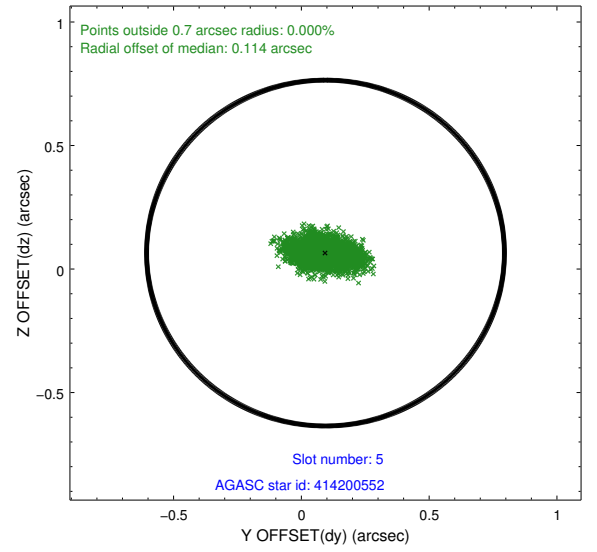
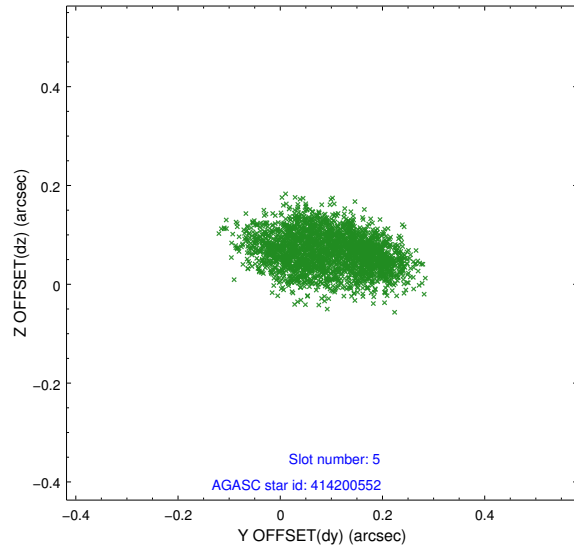
2.4.1 Slot 3



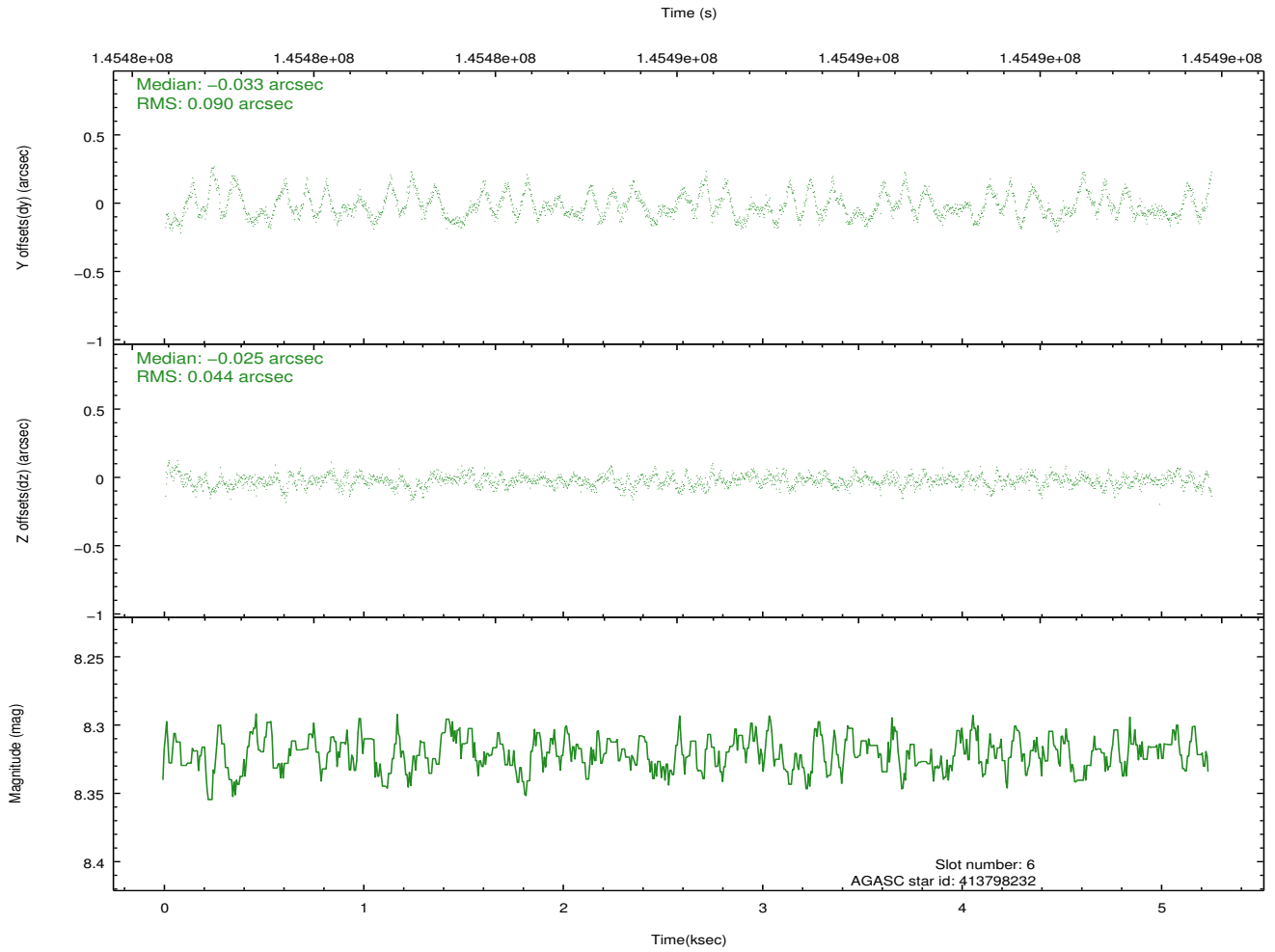
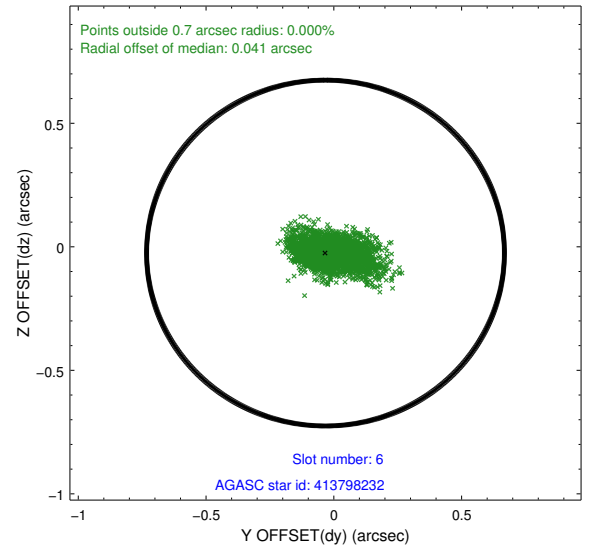
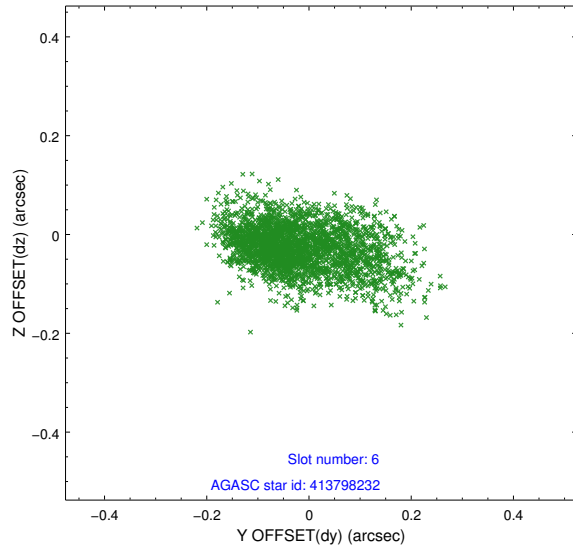
2.4.2 Slot 4



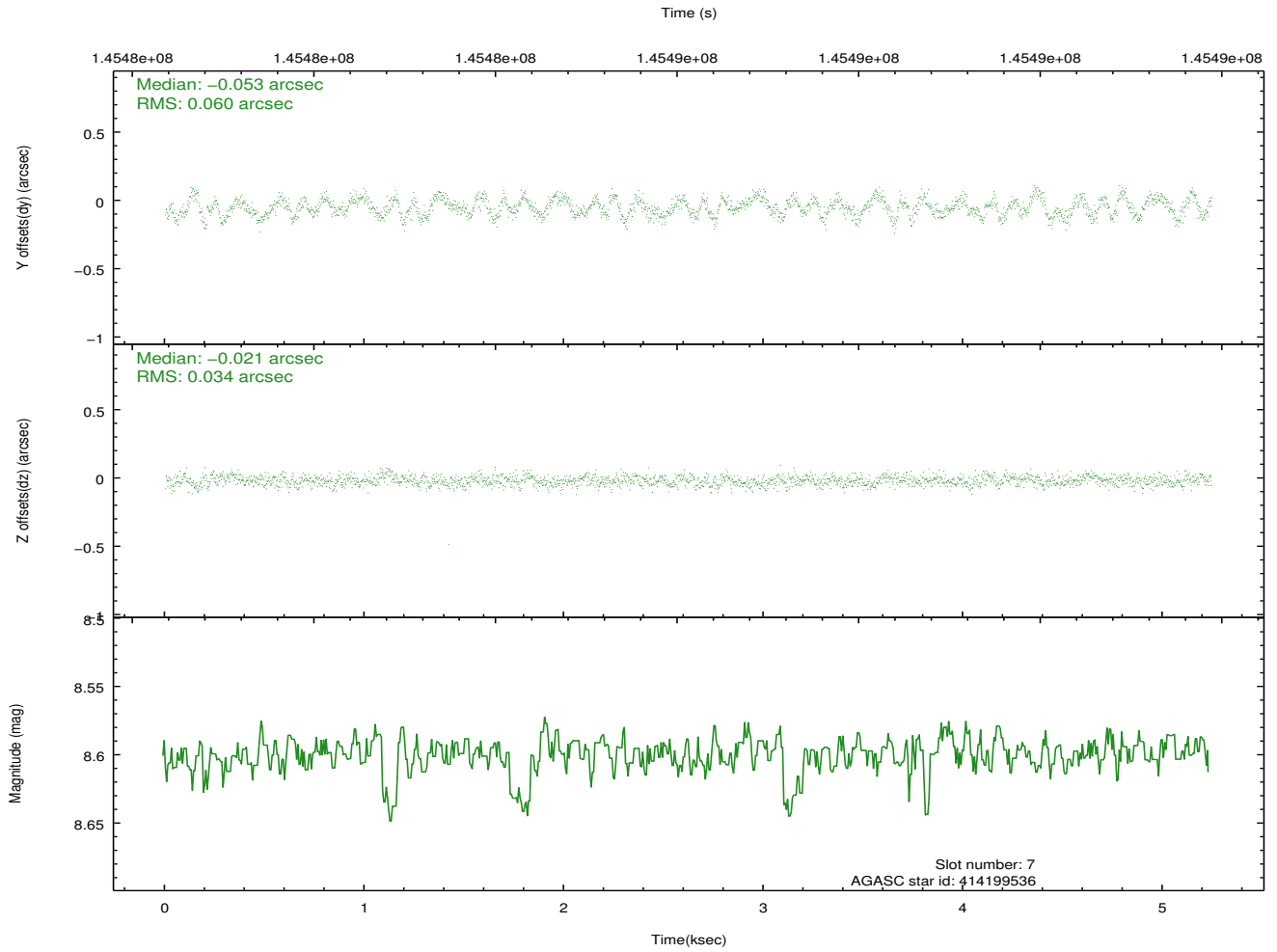
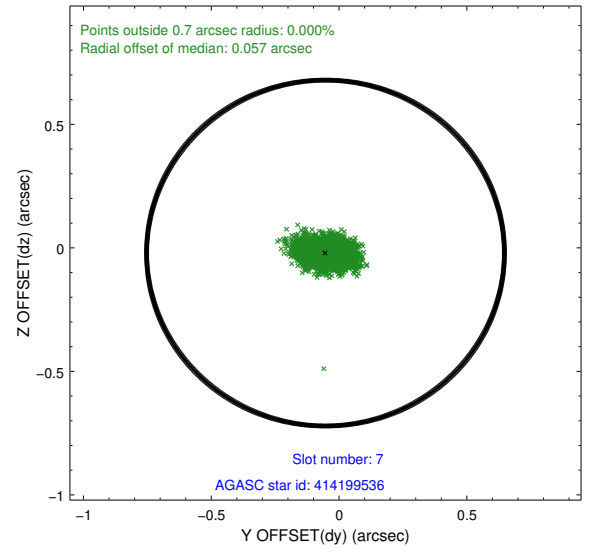
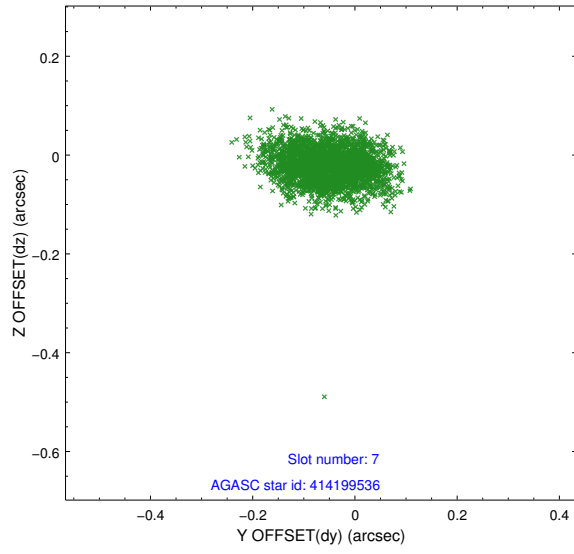
2.4.3 Slot 5



2.4.4 Slot 6

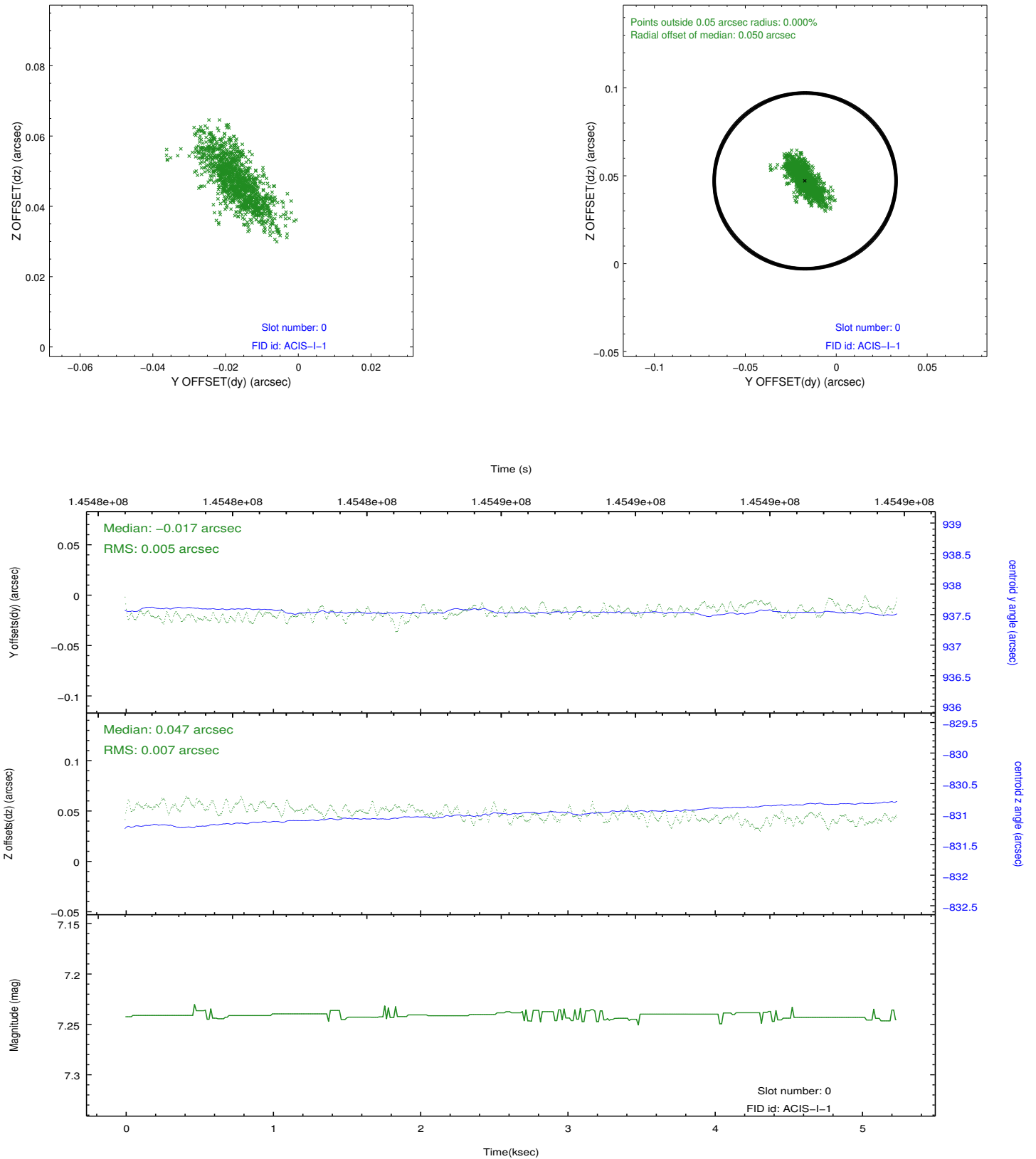


2.4.5 Slot 7

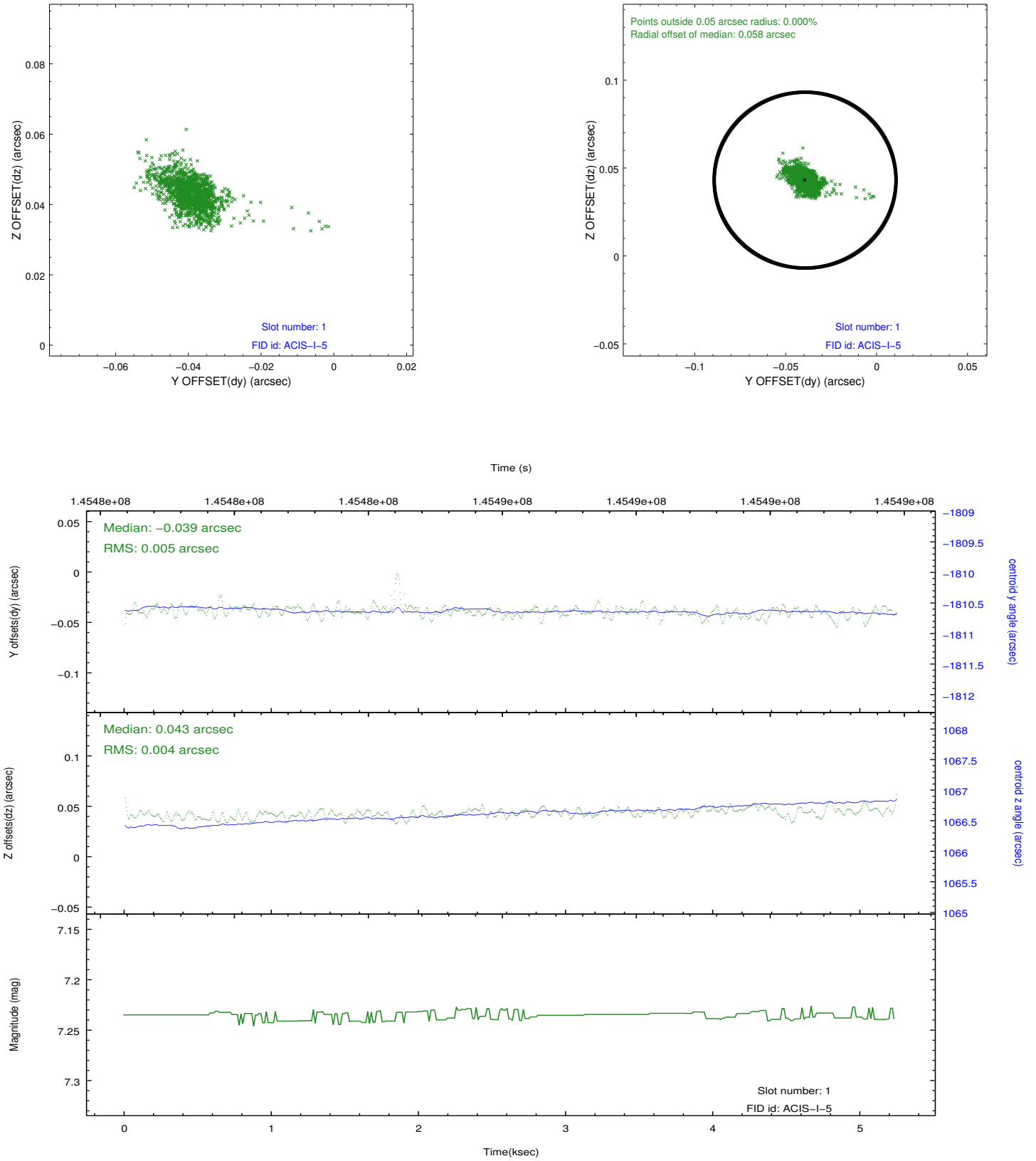


2.5 FID Slots

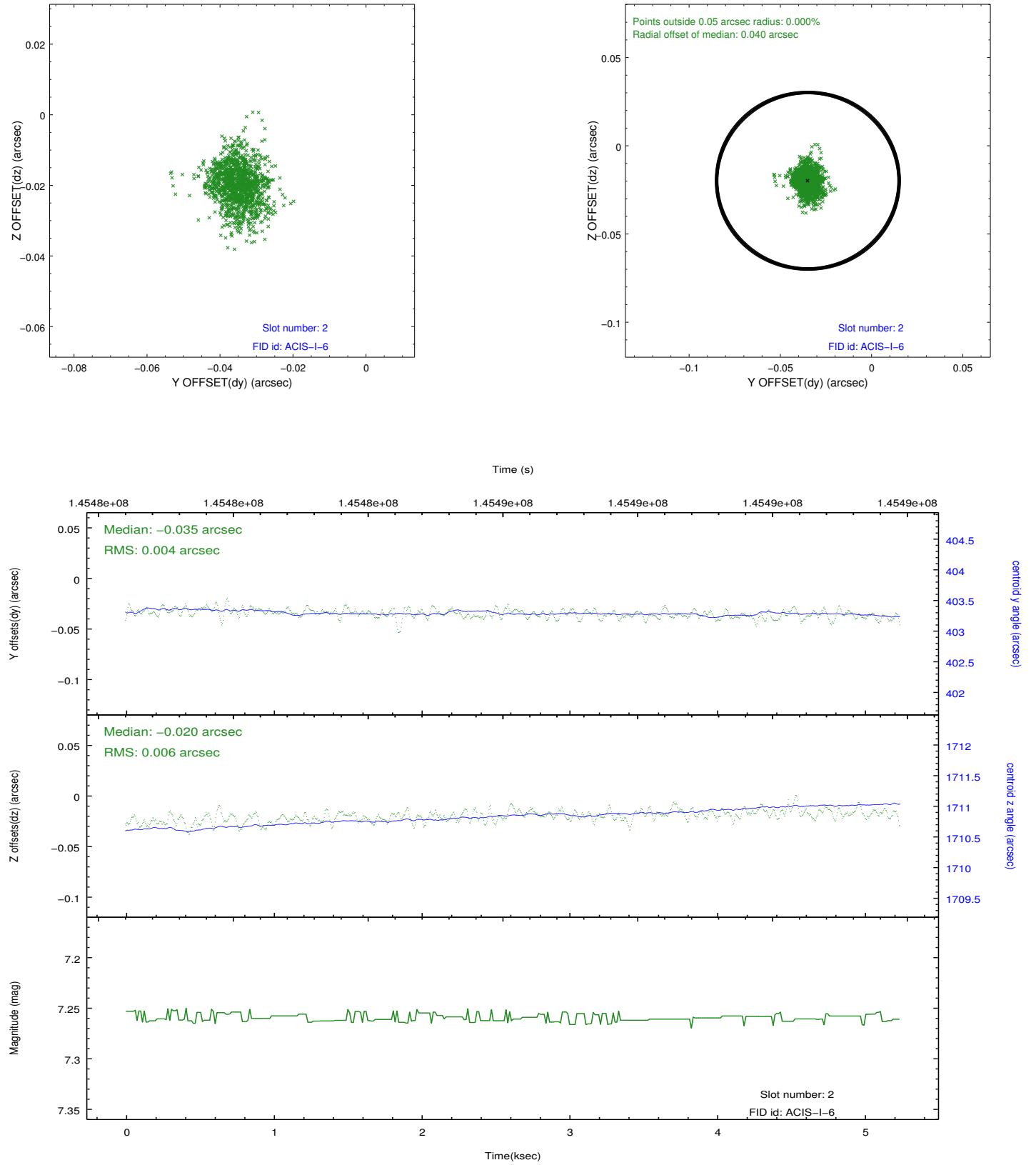
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.979

A.2 Comments