

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3342 - L2 Version 3
Chandra X-Ray Center

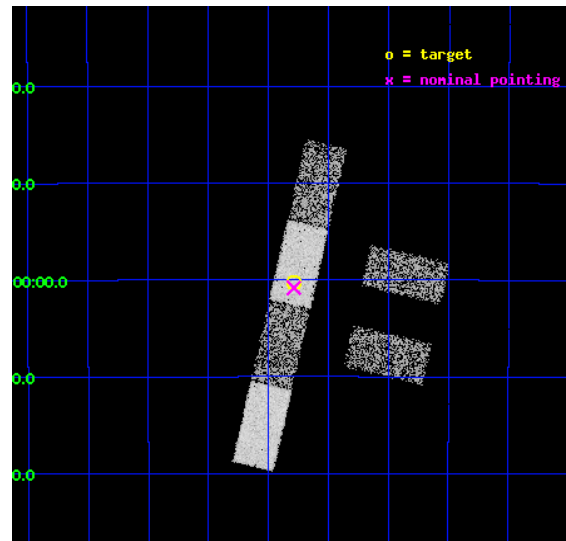
L2 Processing Date : Oct 15 2012

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1 Front

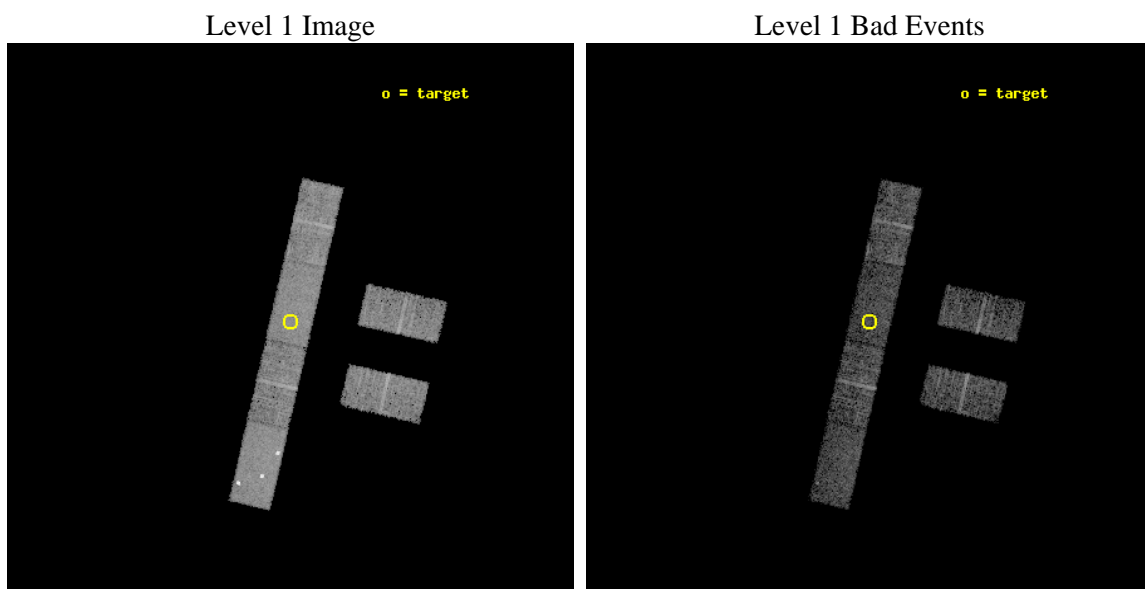
seq_num	900181	Sequence number
obs_id	3342	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J2002.7-3300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	300.69625	Observer's specified target RA [deg]
dec_targ	-33.004167	Observer's specified target Dec [deg]
ra_nom	300.69678552982	Nominal RA [deg]
dec_nom	-33.013768802852	Nominal Dec [deg]
roll_nom	282.97255910235	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5401.8000357747	Sum of GTIs [s]
livetime	5281.3844698619	Livetime [s]
ontime2	5401.8000357747	Sum of GTIs [s]
ontime3	5401.8000357747	Sum of GTIs [s]
ontime5	5401.8000357747	Sum of GTIs [s]
ontime6	5401.8000357747	Sum of GTIs [s]
ontime7	5401.8000357747	Sum of GTIs [s]
ontime8	5401.8000357747	Sum of GTIs [s]
l2events	29378	Number of level 2 events



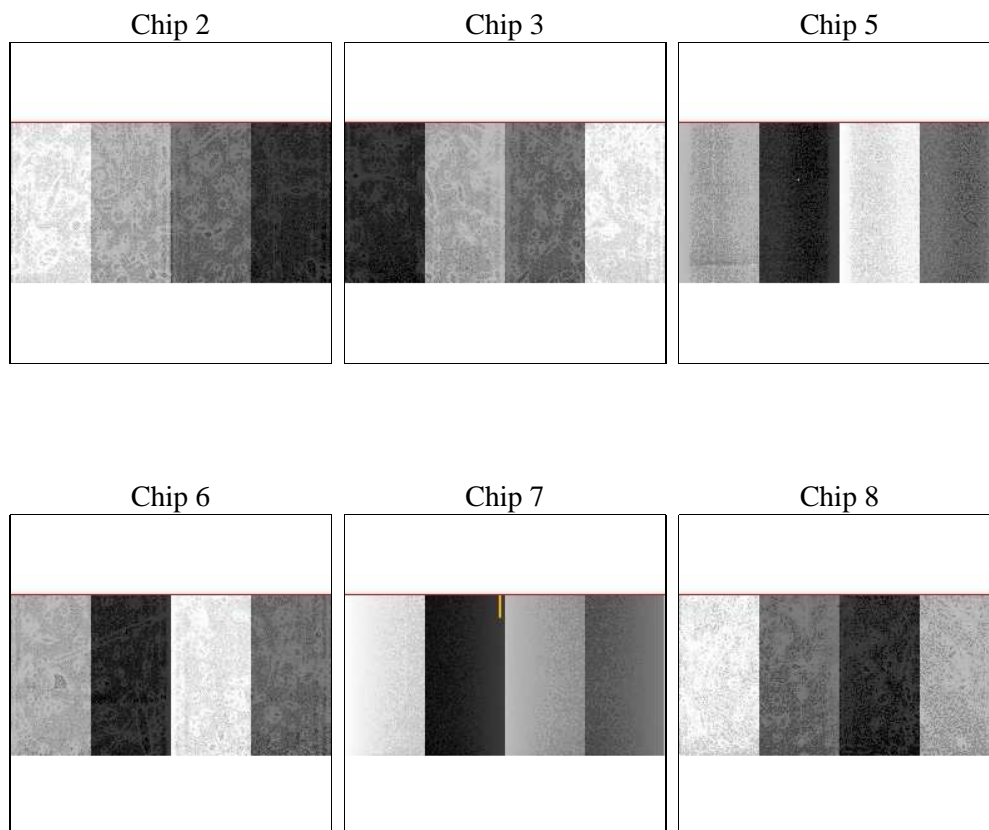
2 OBI

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	5401.8000357747	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5401.8000357747	Sum of GTIs [s]
date	2012-10-15T12:58:50	Date and time of file creation	ontime3	5401.8000357747	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5401.8000357747	Sum of GTIs [s]
			ontime6	5401.8000357747	Sum of GTIs [s]
			ontime7	5401.8000357747	Sum of GTIs [s]
			ontime8	5401.8000357747	Sum of GTIs [s]
			l1events	140875	Number of level 1 events

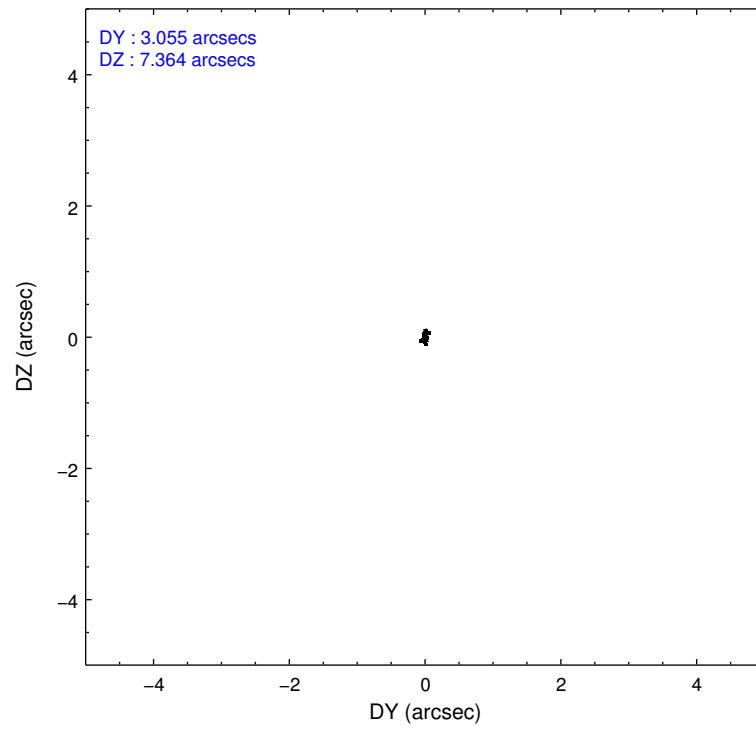
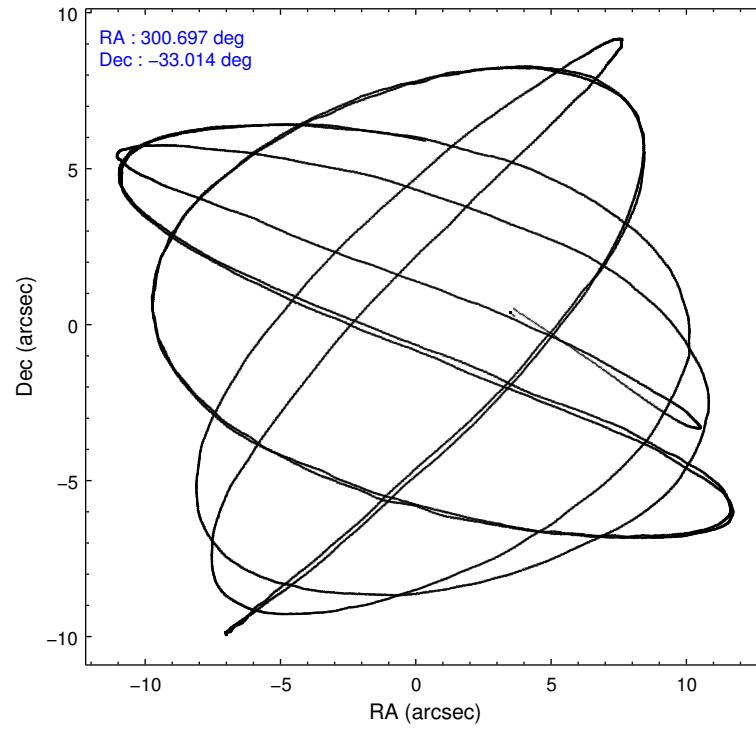
2.1.4 Events

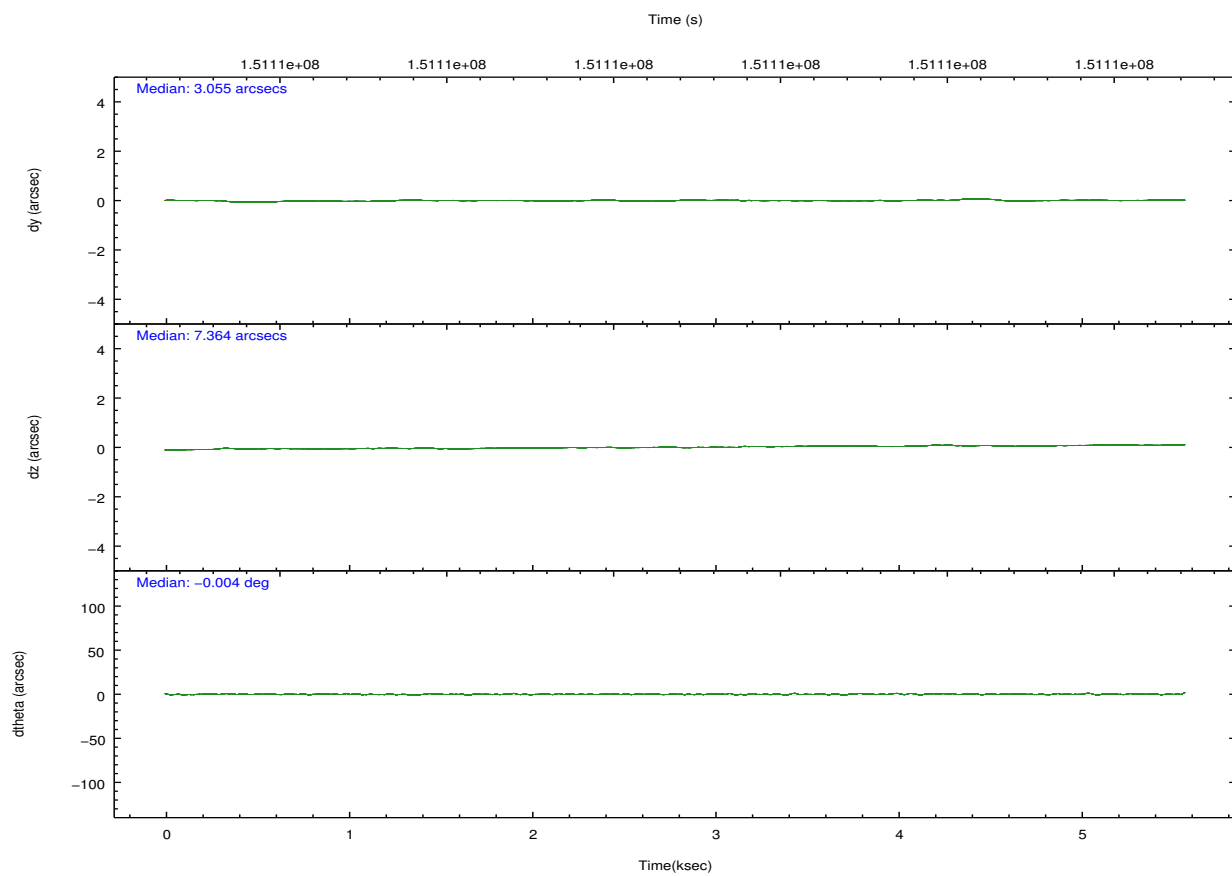
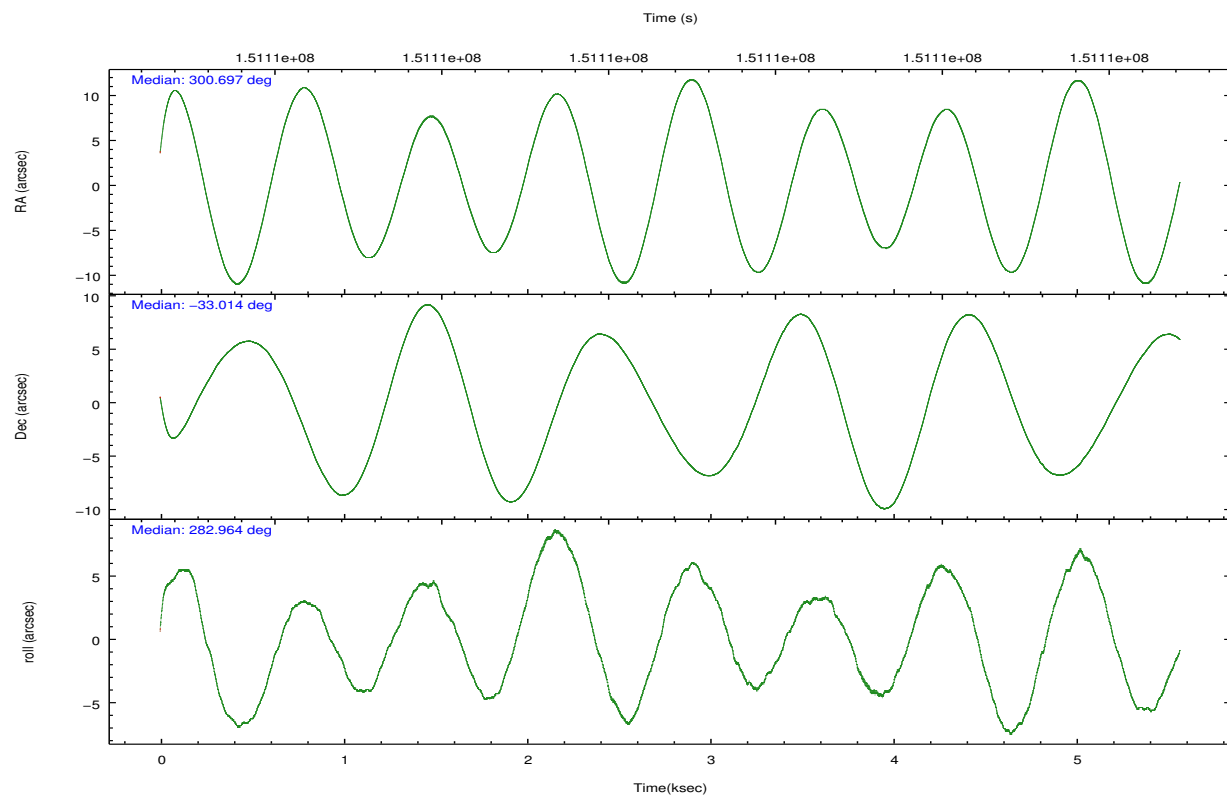
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20107	19193	33068	19580	24134	24793	grade 0 events	913	978	5798	976	1034	1510
rejected events	17875	17009	13989	17181	13852	20131		4%	5%	17%	4%	4%	6%
rejected %	88%	88%	42%	87%	57%	81%	grade 1 events	10	12	98	10	14	13
								0%	0%	0%	0%	0%	0%
							grade 2 events	425	354	5846	446	2120	983
								2%	1%	17%	2%	8%	3%
							grade 3 events	272	287	628	248	1050	504
								1%	1%	1%	1%	4%	2%
							grade 4 events	257	228	636	279	976	530
								1%	1%	1%	1%	4%	2%
							grade 5 events	656	755	2165	819	2268	964
								3%	3%	6%	4%	9%	3%
							grade 6 events	365	337	6182	450	5108	1137
								1%	1%	18%	2%	21%	4%
							grade 7 events	17209	16242	11715	16352	11564	19152
								85%	84%	35%	83%	47%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	300.674381	300.696785529818	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-32.994149	-33.01376880285159	Subarray start row	257	257
[deg] Pointing Roll	282.803724	282.97255910235	Subarray row count	512	512
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	151106144.184000	151104993.02735			
Observation start date	2002-10-15T21:54:40	2002-10-15T21:36:33			
[s] Observation end time (MET)	151111144.184000	151111742.65263			
Observation end date	2002-10-15T23:18:00	2002-10-15T23:29:02			
Read mode	TIMED	TIMED			

2.3 Aspect



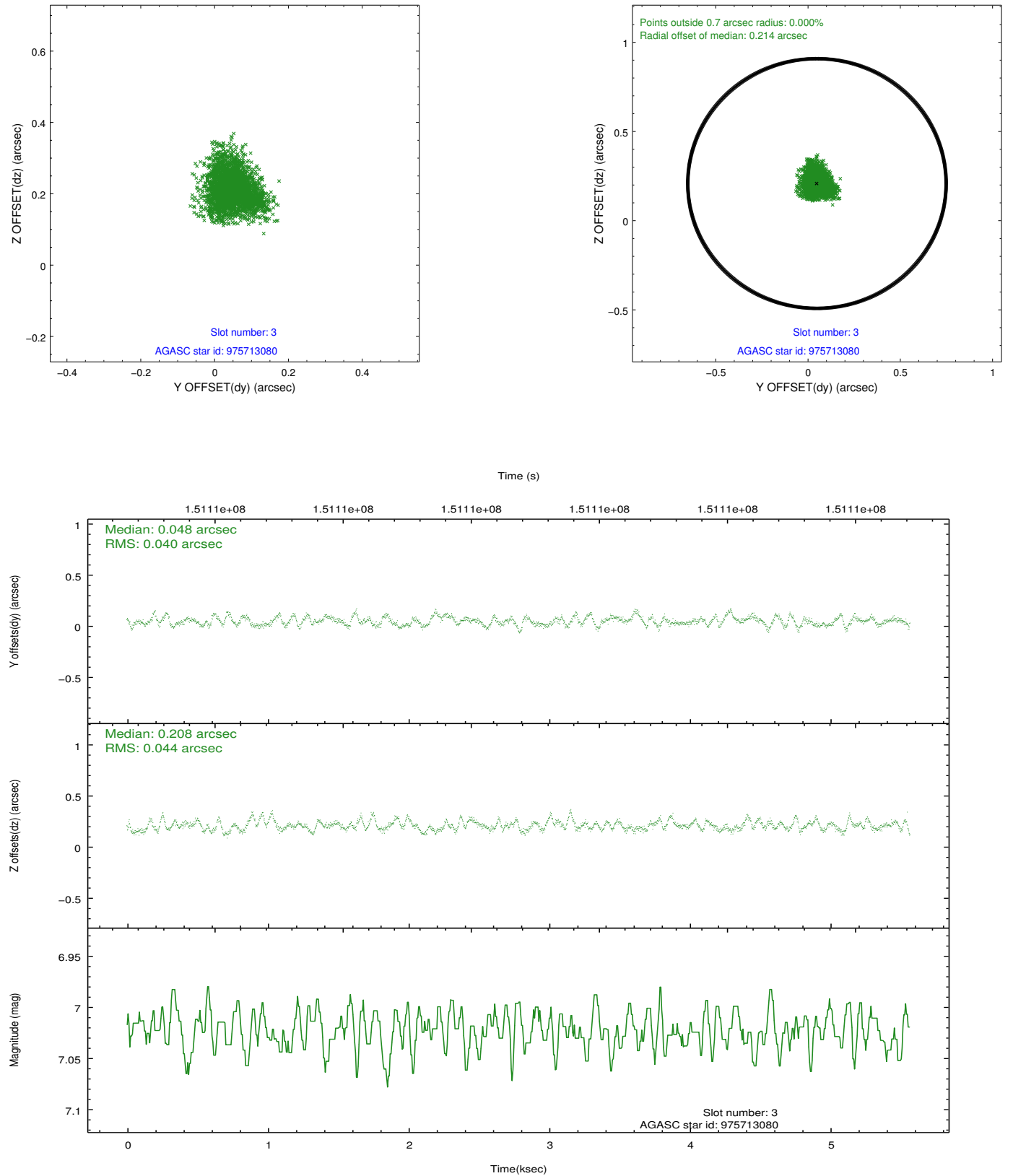


Slot Statistics

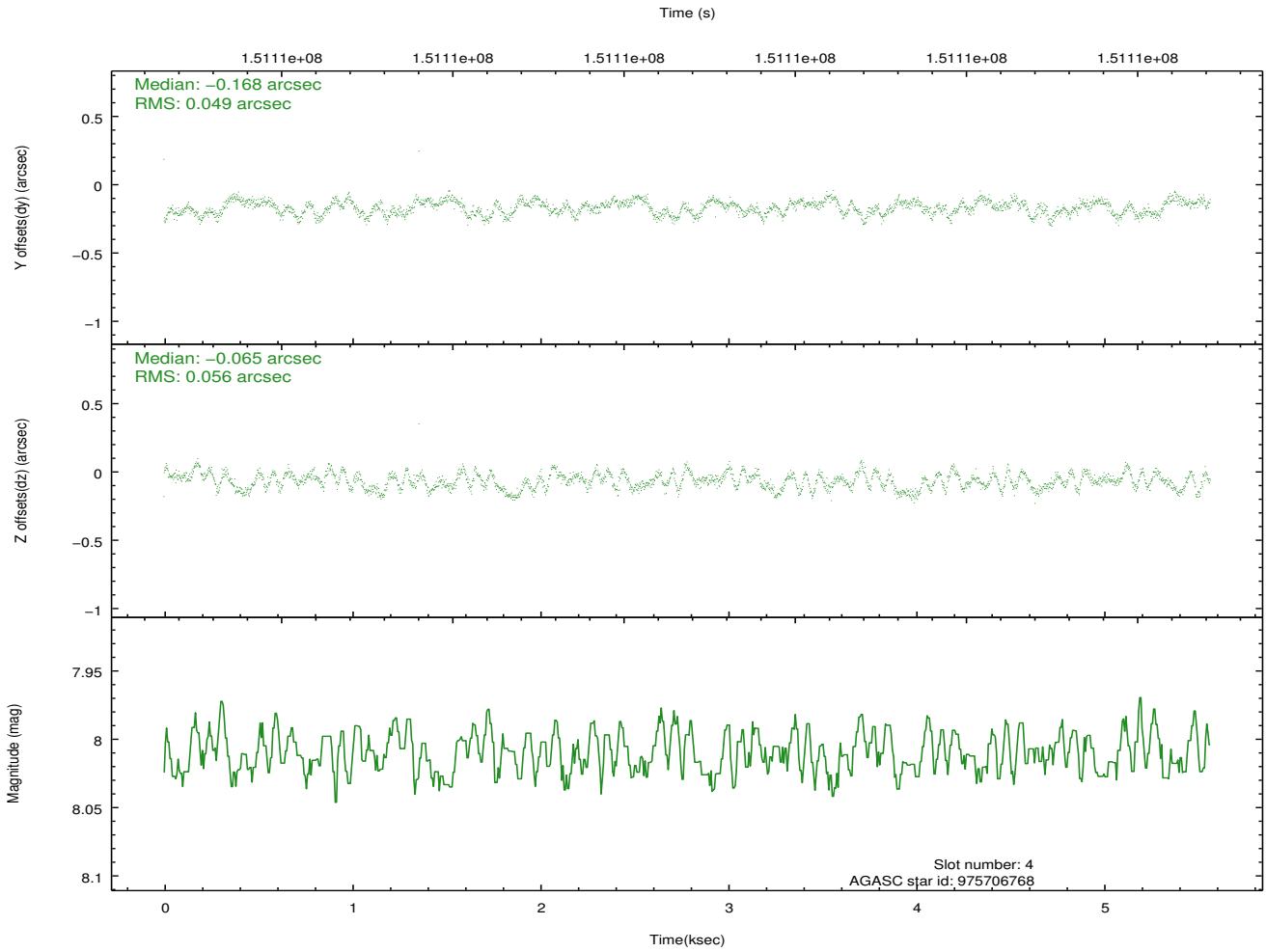
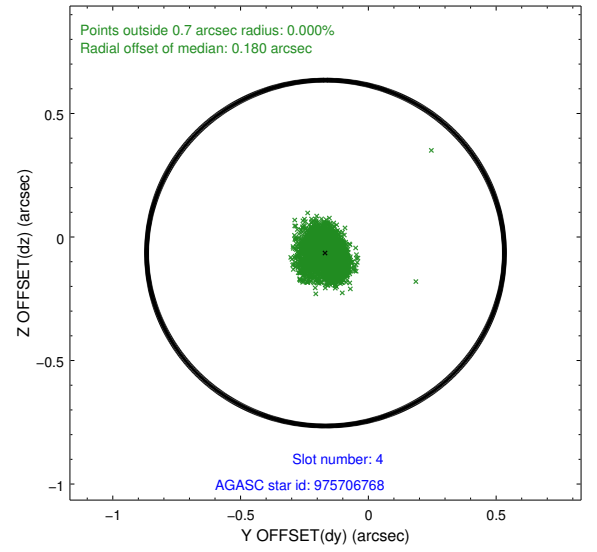
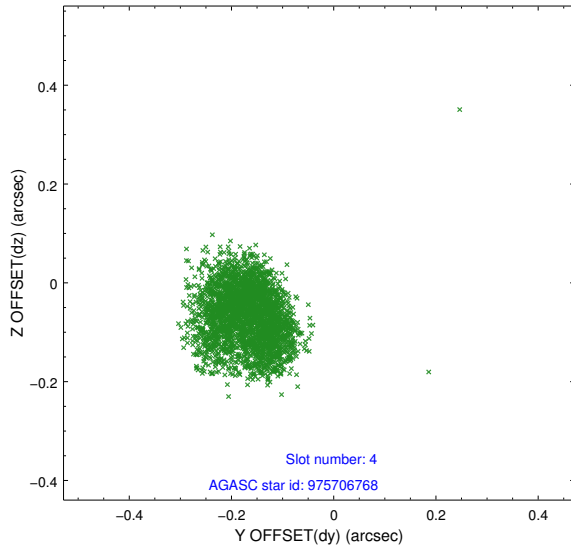
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1359	-0.017	-0.006	0.006	0.011	0.000000	0.000000	-755.72	-1728.55
1	FID	ACIS-S-4	7.21	1359	0.004	0.010	0.005	0.010	0.000000	0.000000	2157.10	178.83
2	FID	ACIS-S-5	7.24	1358	-0.018	0.005	0.006	0.011	0.000000	0.000000	-1807.17	173.74
3	GUIDE	975713080	7.02	2717	0.048	0.208	0.063	0.103	301.383468	-32.999843	501.33	2082.10
4	GUIDE	975706768	8.01	2717	-0.168	-0.065	0.081	0.122	299.861985	-32.701443	-1563.23	-2167.72
5	GUIDE	975710328	7.98	2716	0.075	-0.032	0.041	0.068	300.444232	-33.286816	874.40	-909.45
6	GUIDE	975705832	8.98	2716	-0.010	-0.006	0.086	0.140	299.875194	-33.036396	-376.46	-2387.76
7	GUIDE	975704872	8.87	2716	0.053	-0.100	0.071	0.110	300.080943	-32.667354	-1540.62	-1495.08

2.4 Star Slots

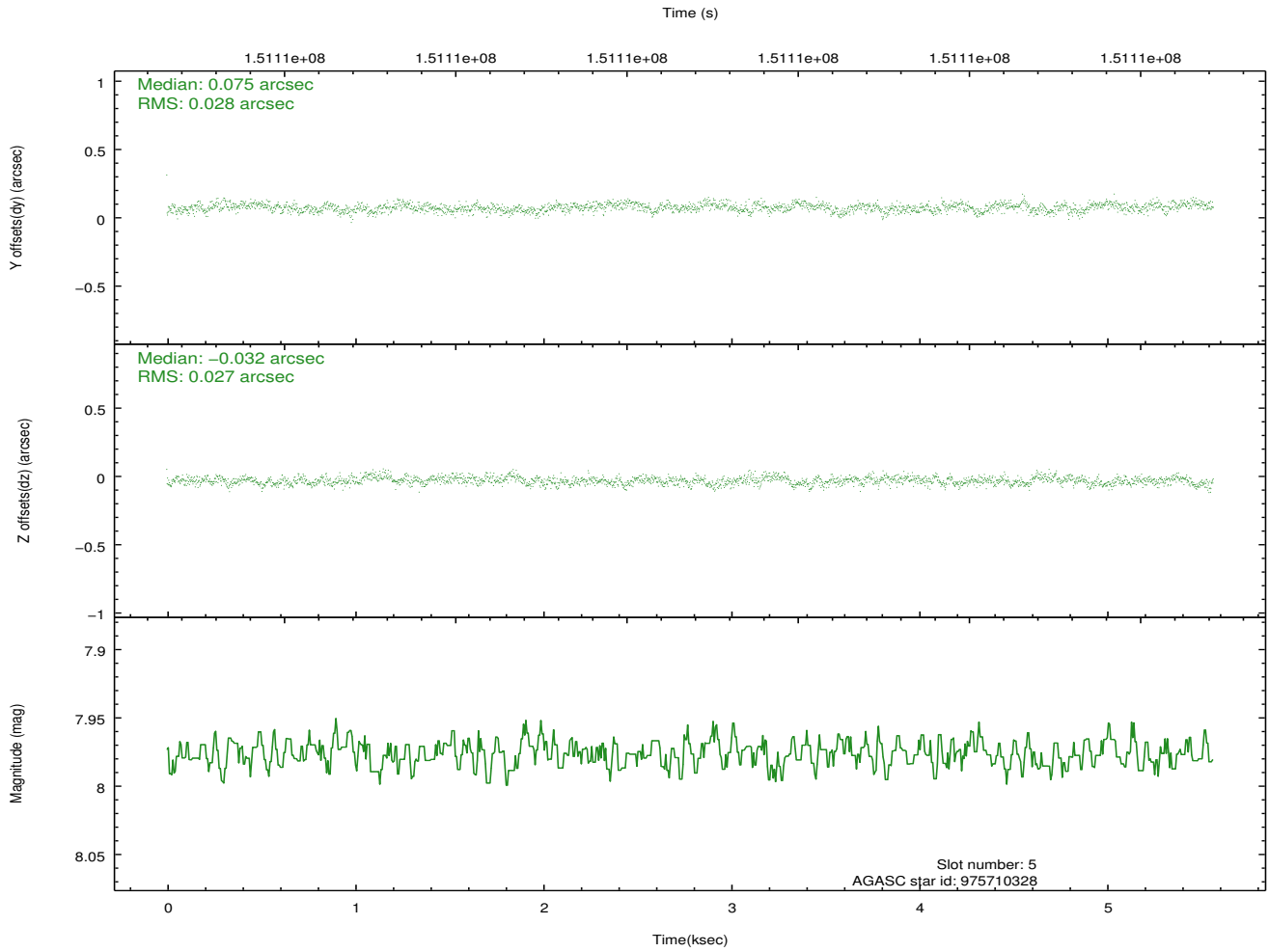
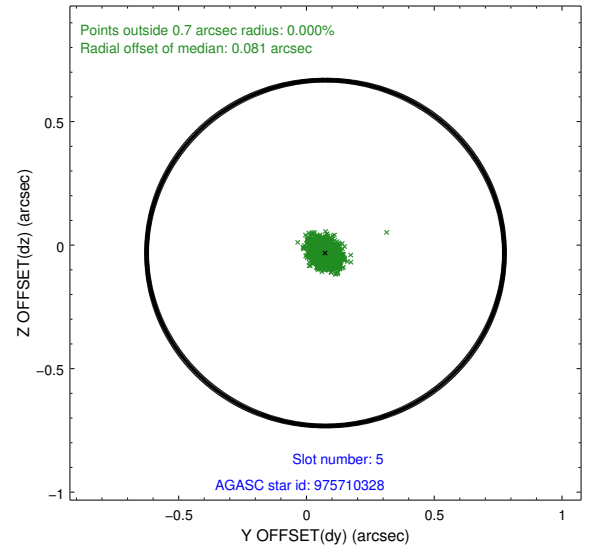
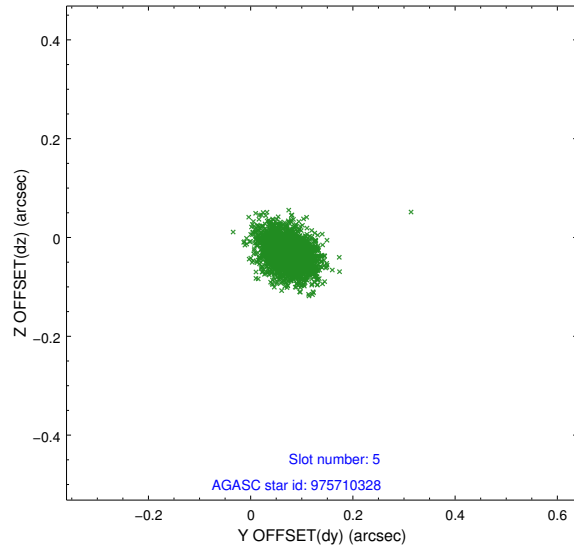
2.4.1 Slot 3



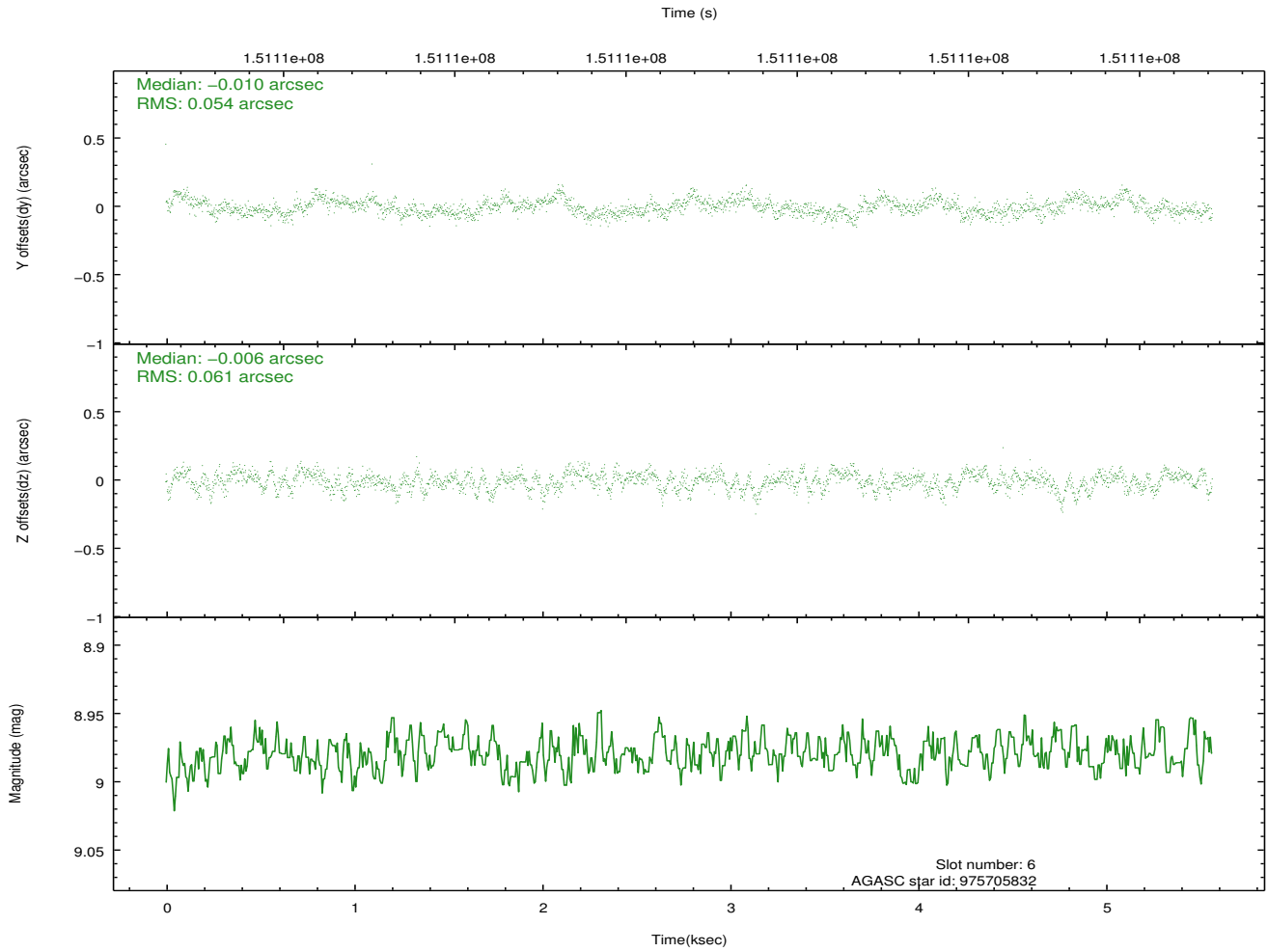
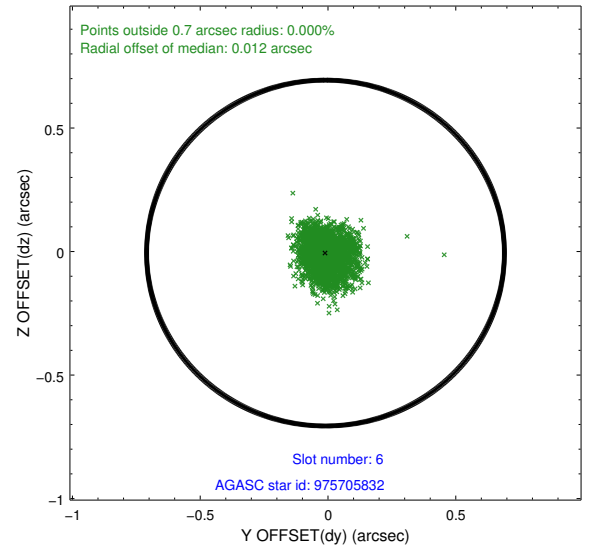
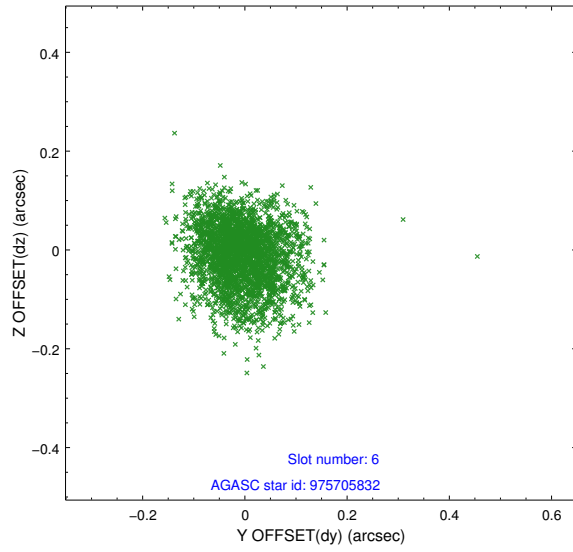
2.4.2 Slot 4



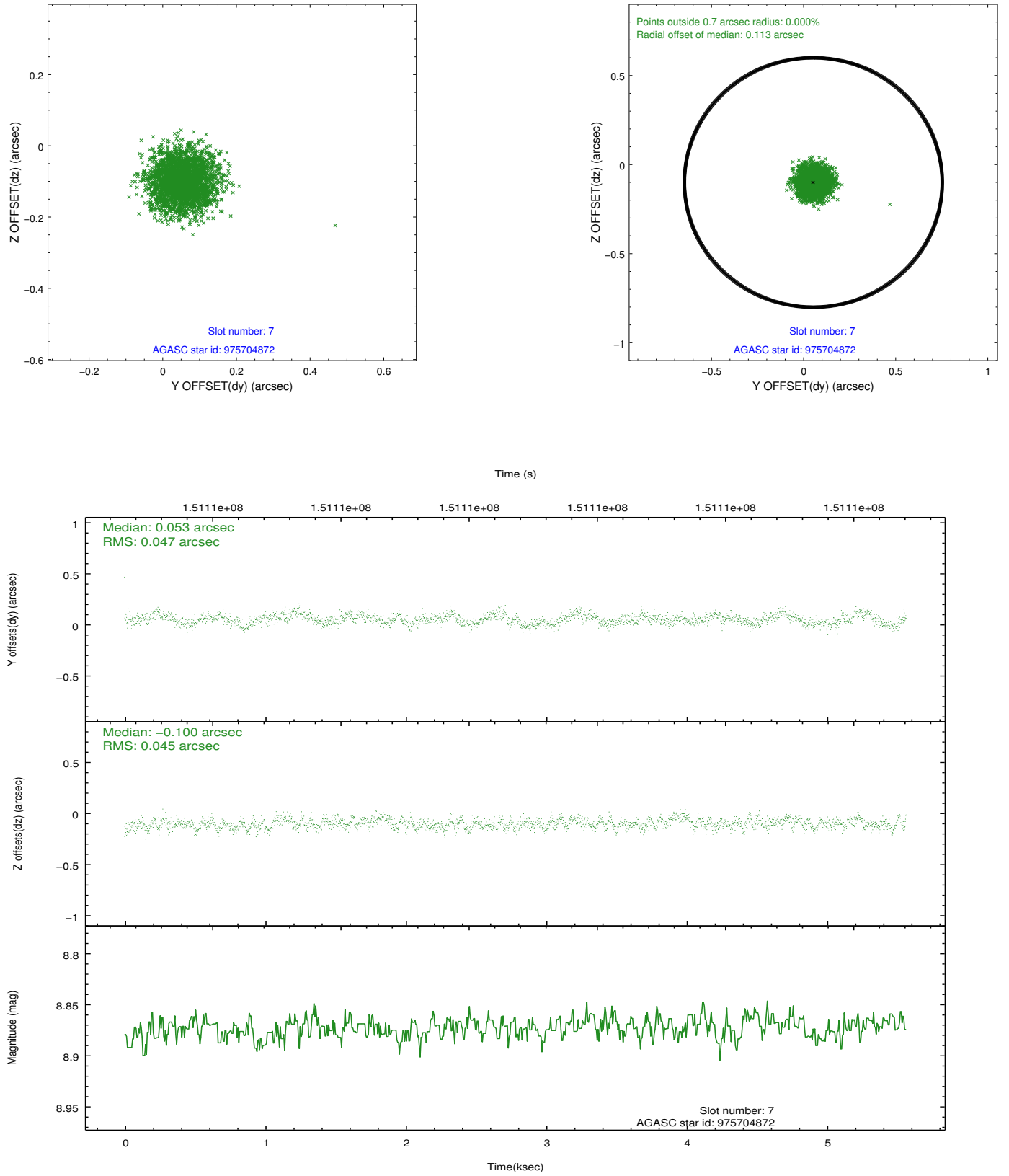
2.4.3 Slot 5



2.4.4 Slot 6

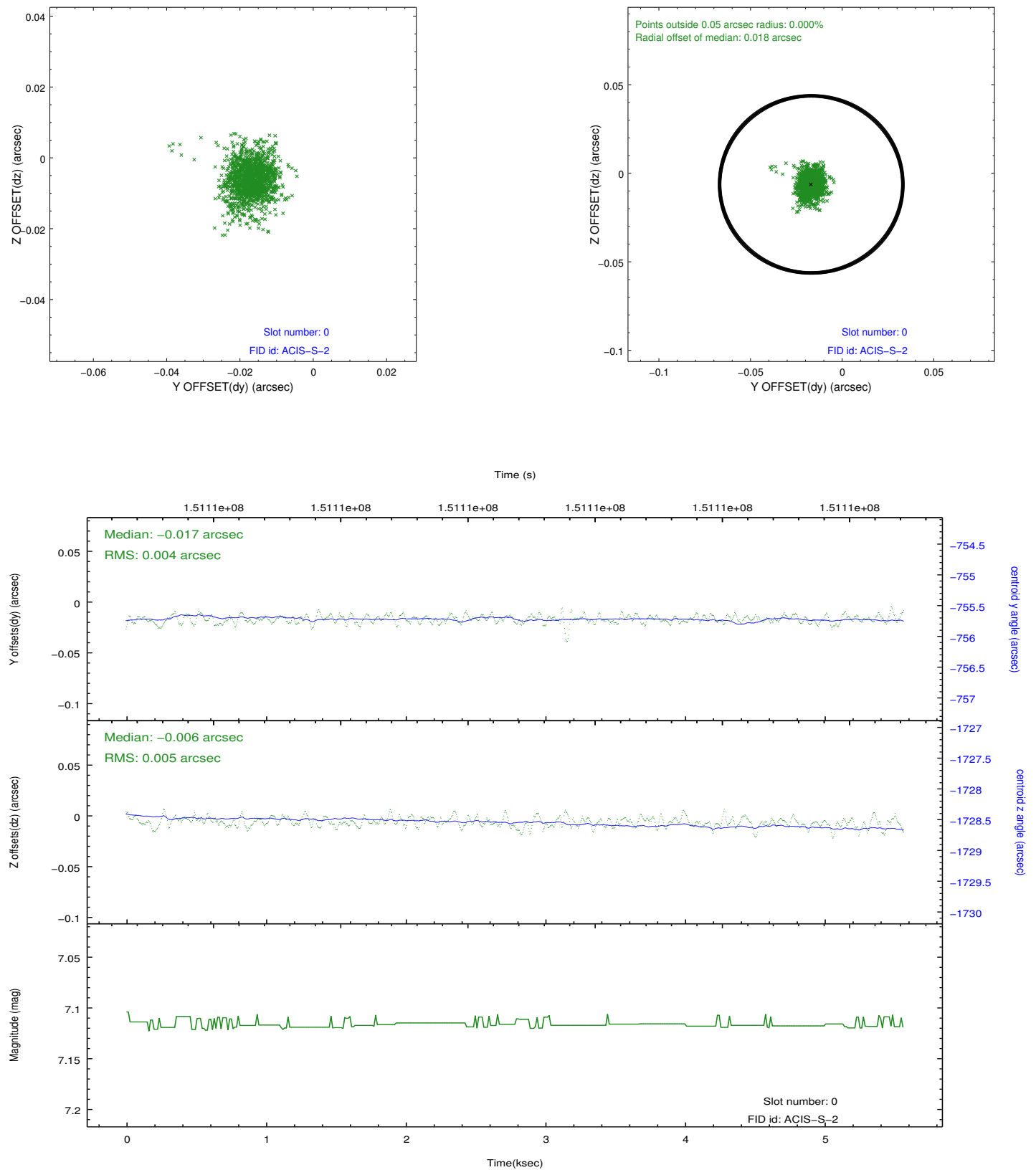


2.4.5 Slot 7

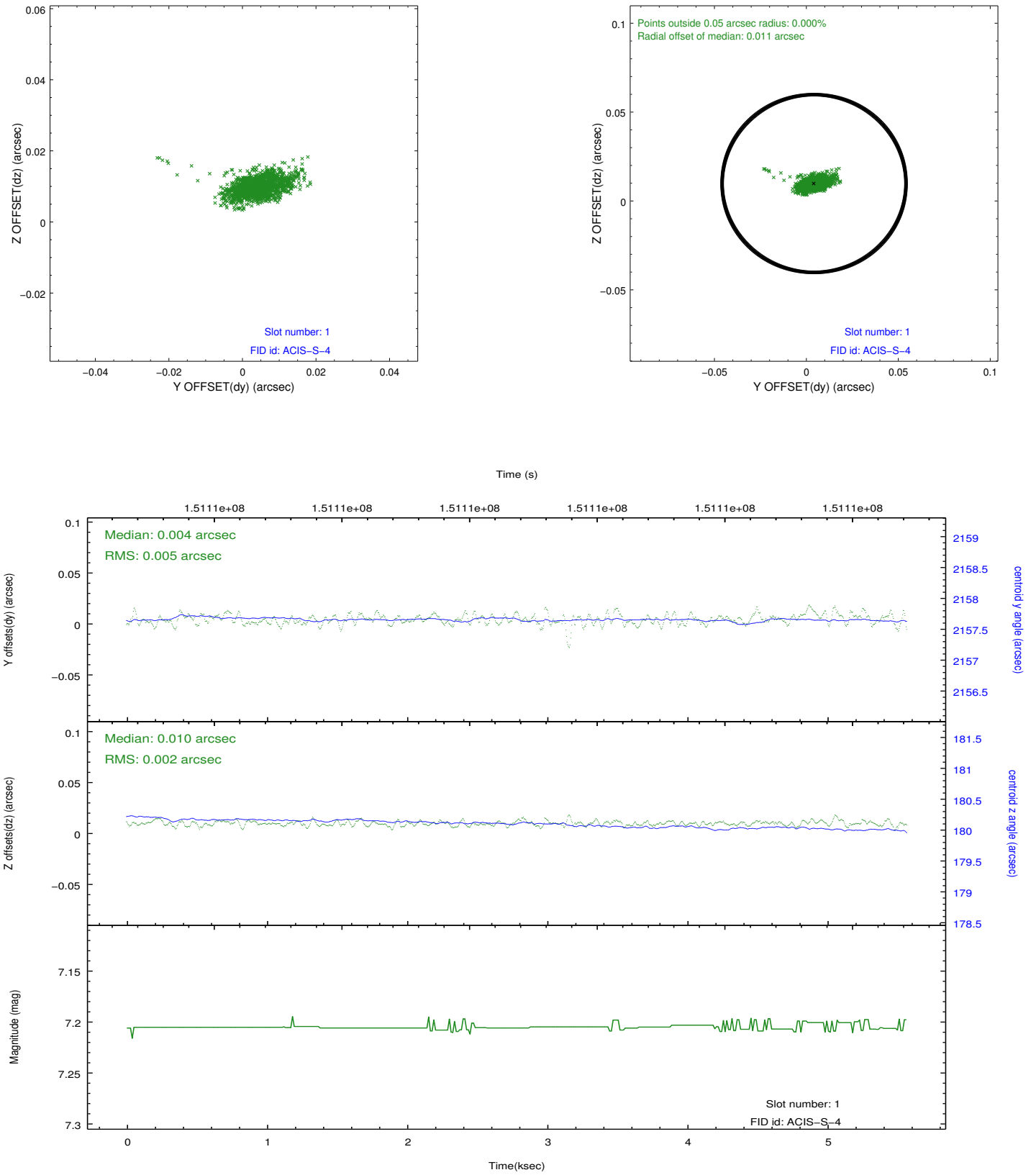


2.5 FID Slots

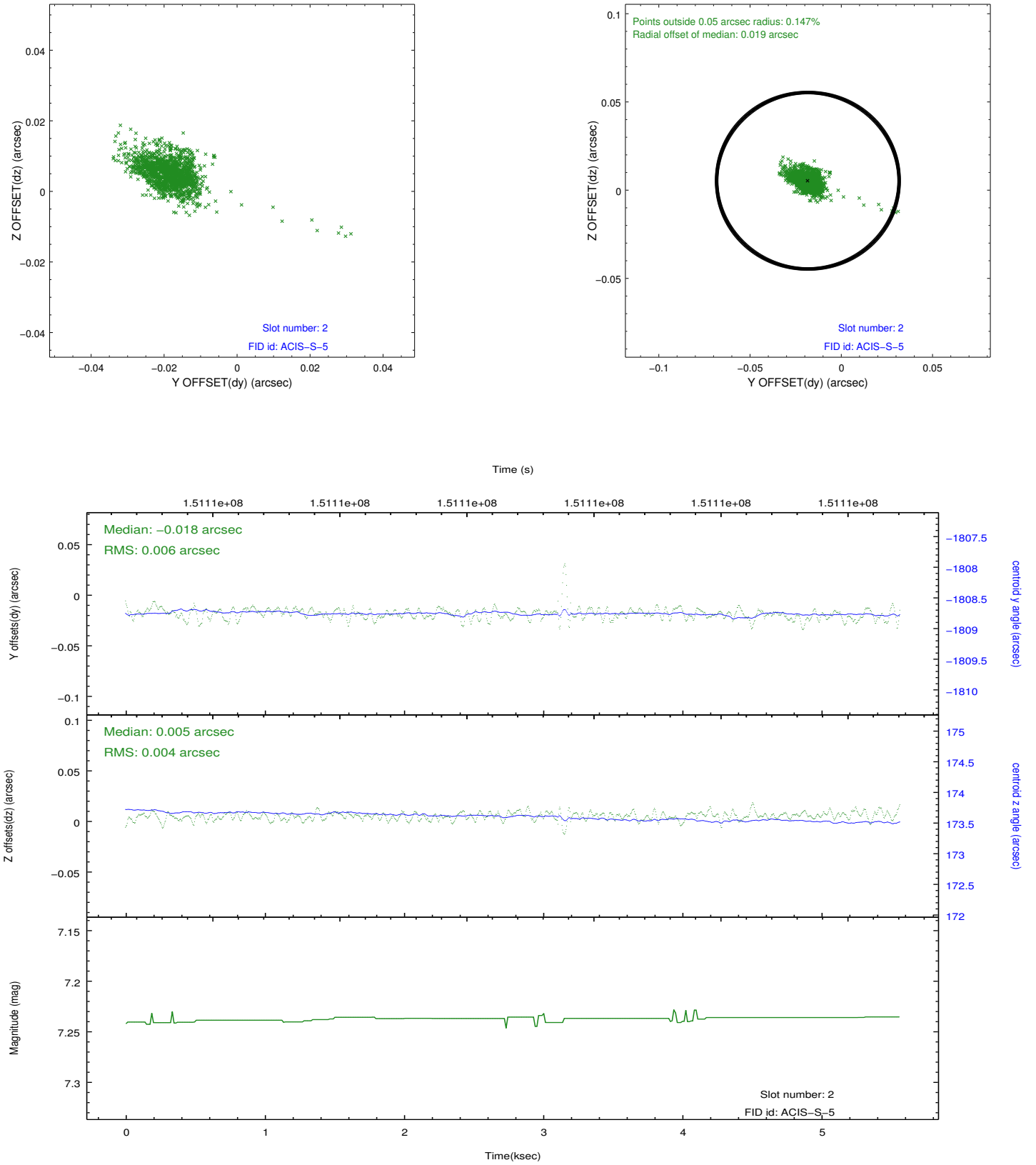
2.5.1 Slot 0



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)	2012.10.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.403

A.2 Comments

Joint Proposal: NOAO