

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3562 - L2 Version 3
Chandra X-Ray Center

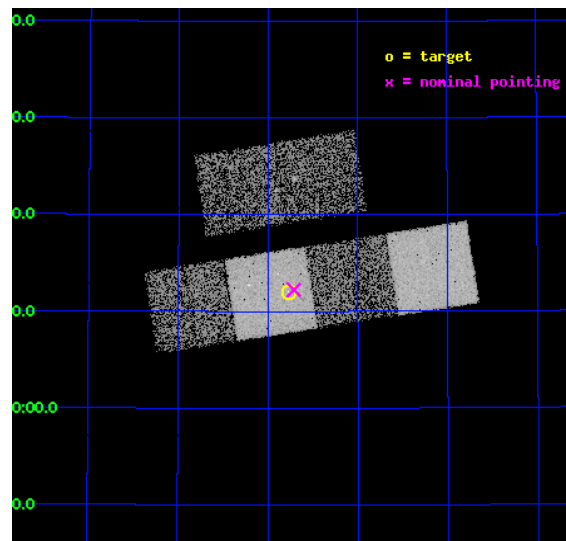
L2 Processing Date : Oct 21 2012

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1 Front

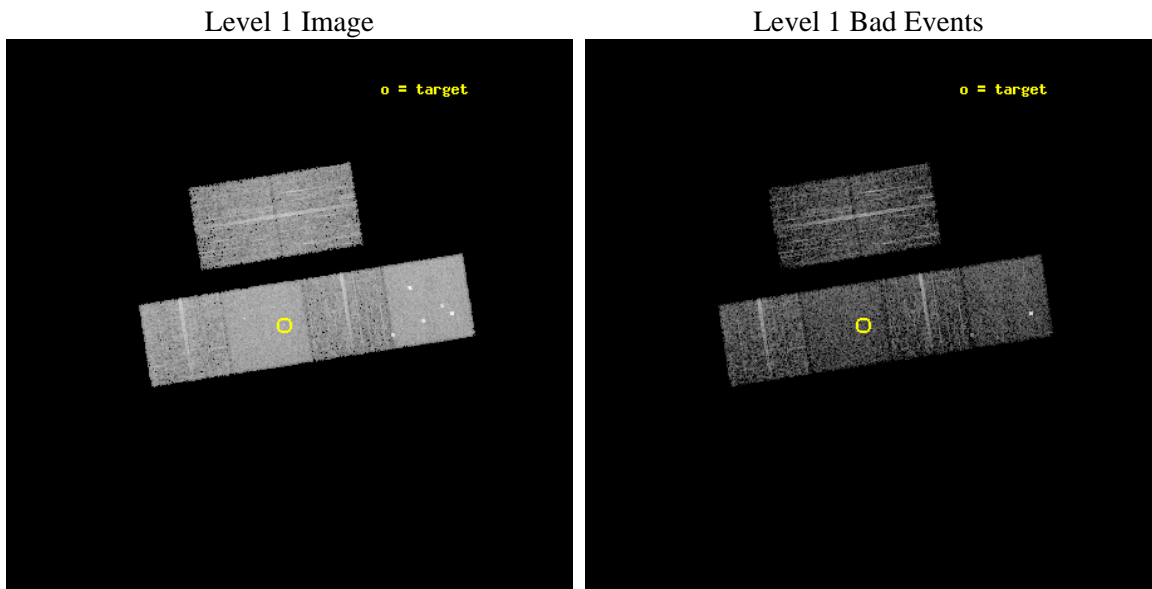
seq_num	700624	Sequence number
obs_id	3562	Observation id
title	A CHANDRA SURVEY OF LUMINOUS, RADIO-DETECTED QUASARS AT $Z > 4$	Prop
observer	Professor Gordon Garmire	Principal investigator
object	SDSS083946.22+511202.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.9425	Observer's specified target RA [deg]
dec_targ	51.200778	Observer's specified target Dec [deg]
ra_nom	129.92809833547	Nominal RA [deg]
dec_nom	51.203954264925	Nominal Dec [deg]
roll_nom	171.06267225965	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.9999815226	Sum of GTIs [s]
livetime	4897.1934752031	Livetime [s]
ontime2	4959.9999815226	Sum of GTIs [s]
ontime3	4959.9999815226	Sum of GTIs [s]
ontime5	4959.9999815226	Sum of GTIs [s]
ontime6	4959.9999815226	Sum of GTIs [s]
ontime7	4959.9999815226	Sum of GTIs [s]
ontime8	4959.9999815226	Sum of GTIs [s]
l2events	66059	Number of level 2 events



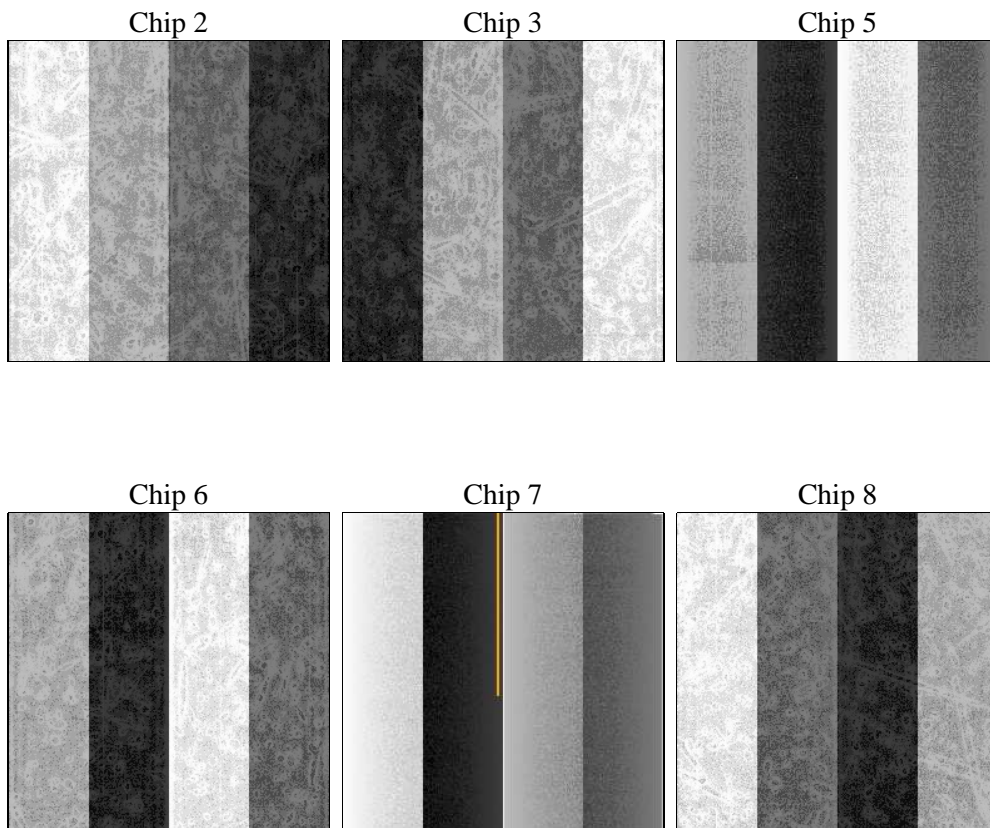
2 OBI

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	4959.9999815226	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4959.9999815226	Sum of GTIs [s]
date	2012-10-21T03:14:56	Date and time of file creation	ontime3	4959.9999815226	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.9999815226	Sum of GTIs [s]
			ontime6	4959.9999815226	Sum of GTIs [s]
			ontime7	4959.9999815226	Sum of GTIs [s]
			ontime8	4959.9999815226	Sum of GTIs [s]
			l1events	241897	Number of level 1 events

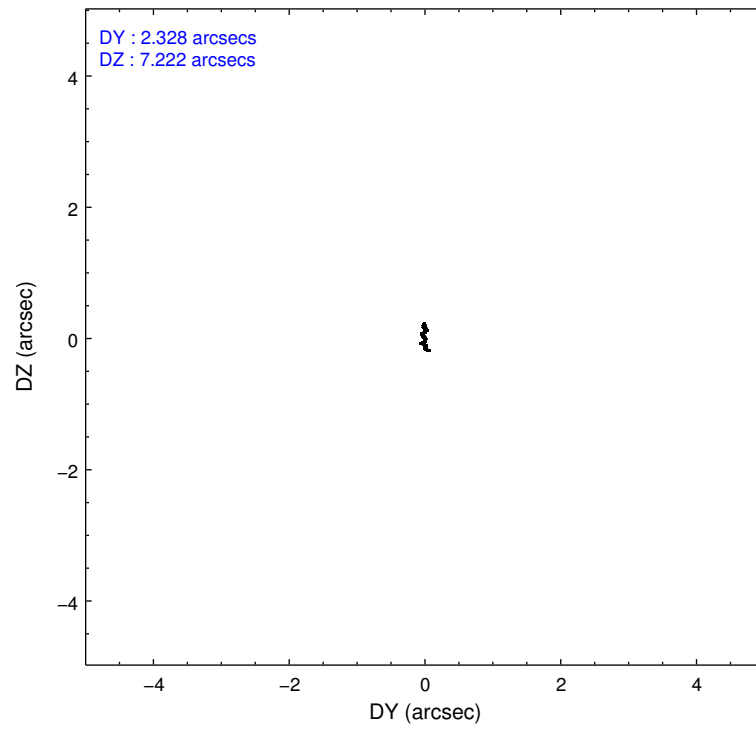
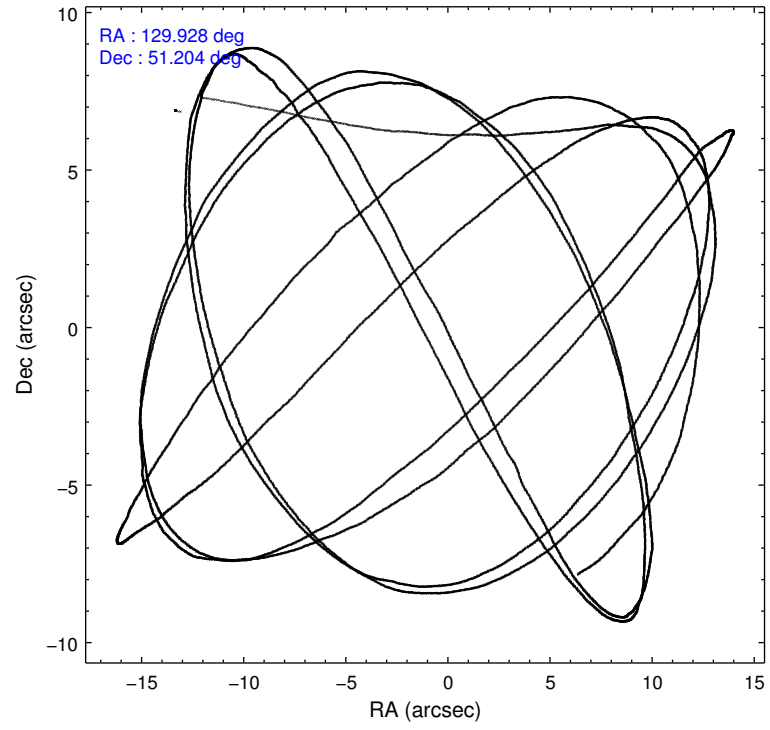
2.1.4 Events

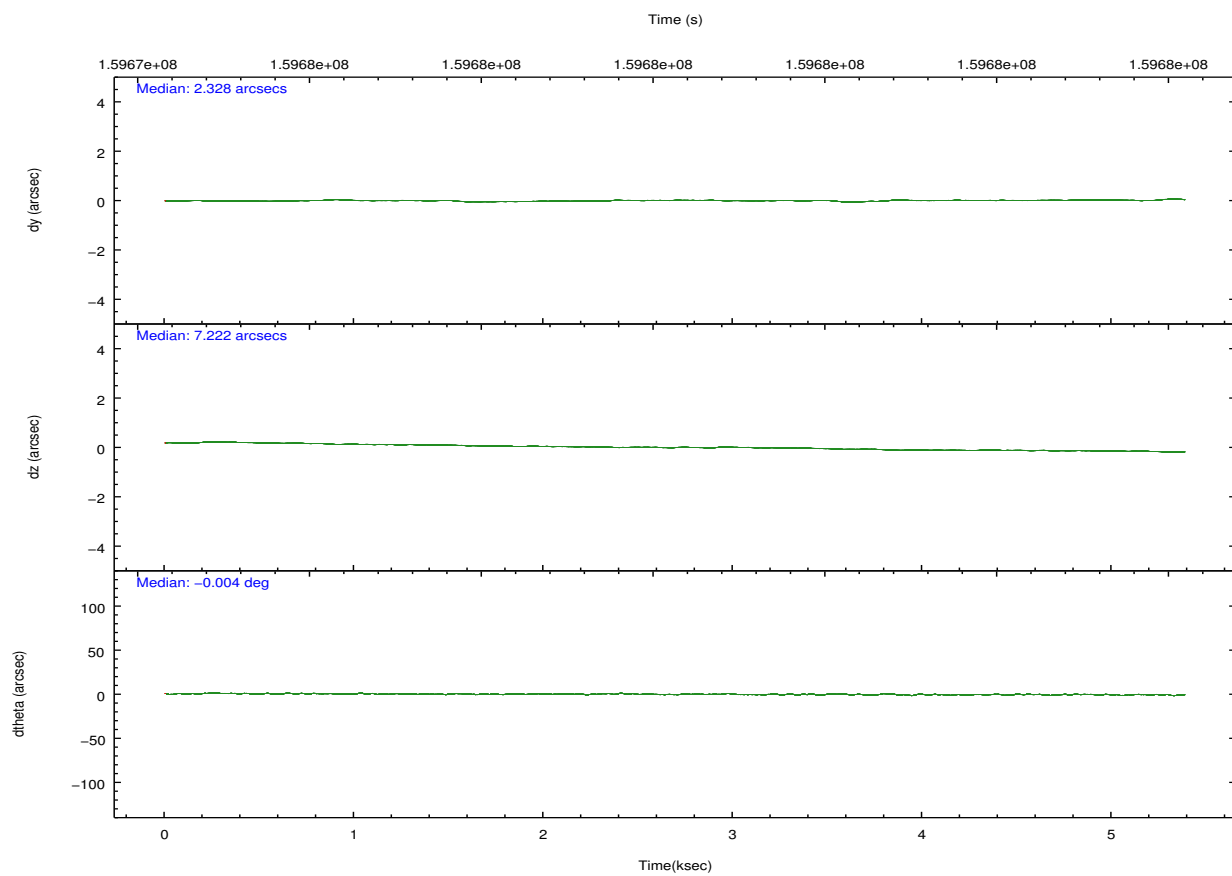
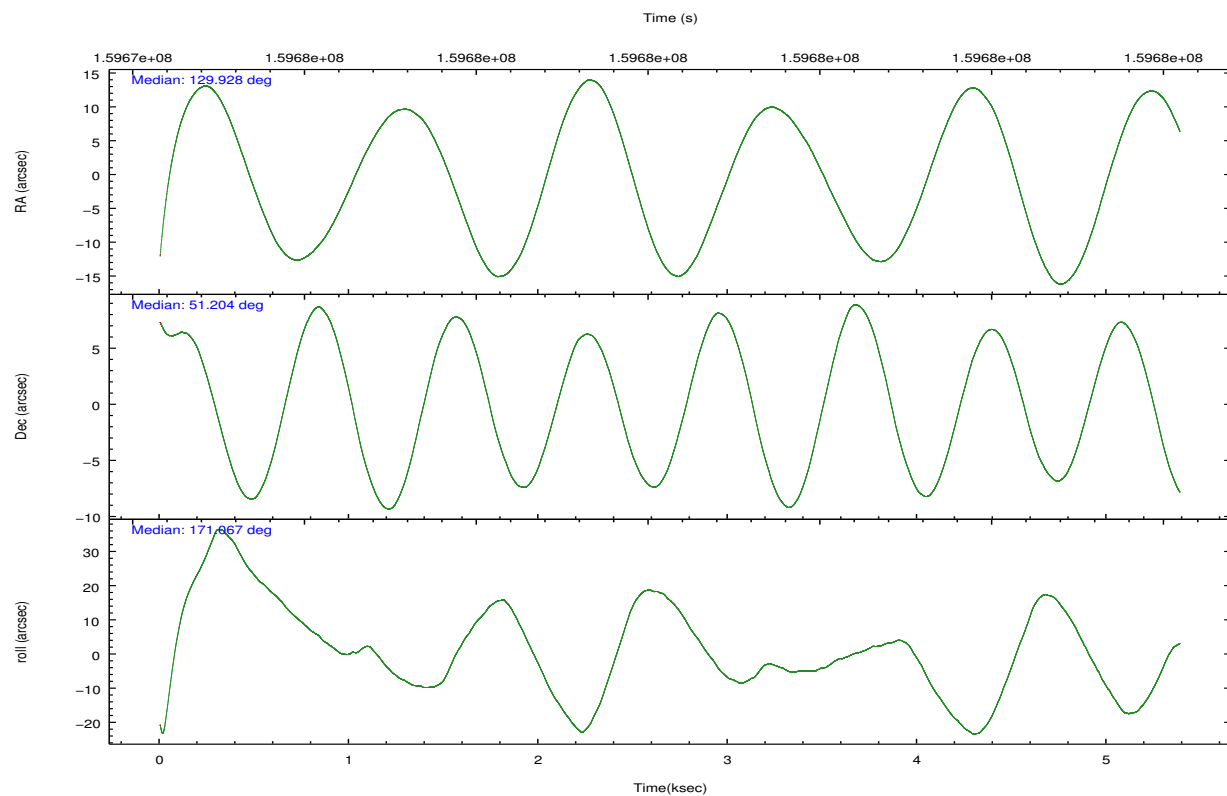
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32570	30075	57761	32044	49657	39790	grade 0 events	1907	1814	5693	2093	2555	3112
rejected events	28595	26288	26954	27591	24635	31302		5%	6%	9%	6%	5%	7%
rejected %	87%	87%	46%	86%	49%	78%	grade 1 events	16	17	147	19	45	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	805	691	8551	883	4811	1775
								2%	2%	14%	2%	9%	4%
							grade 3 events	334	317	1279	358	2093	824
								1%	1%	2%	1%	4%	2%
							grade 4 events	342	361	1292	354	2109	795
								1%	1%	2%	1%	4%	1%
							grade 5 events	1159	1293	3471	1345	4096	1799
								3%	4%	6%	4%	8%	4%
							grade 6 events	592	611	14010	770	13464	1984
								1%	2%	24%	2%	27%	4%
							grade 7 events	27415	24971	23318	26222	20484	29473
								84%	83%	40%	81%	41%	74%

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	129.968265	129.9280983354731	Subarray requested	NONE	NONE
[deg] Pointing Dec	51.214064	51.20395426492544	Alternating exposures requested	N	N
[deg] Pointing Roll	170.874911	171.0626722596509	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	159674824.184000	159673765.32207			
Observation start date	2003-01-23T02:06:00	2003-01-23T01:49:25			
[s] Observation end time (MET)	159679824.184000	159680648.70986			
Observation end date	2003-01-23T03:29:20	2003-01-23T03:44:08			
Read mode	TIMED	TIMED			

2.3 Aspect



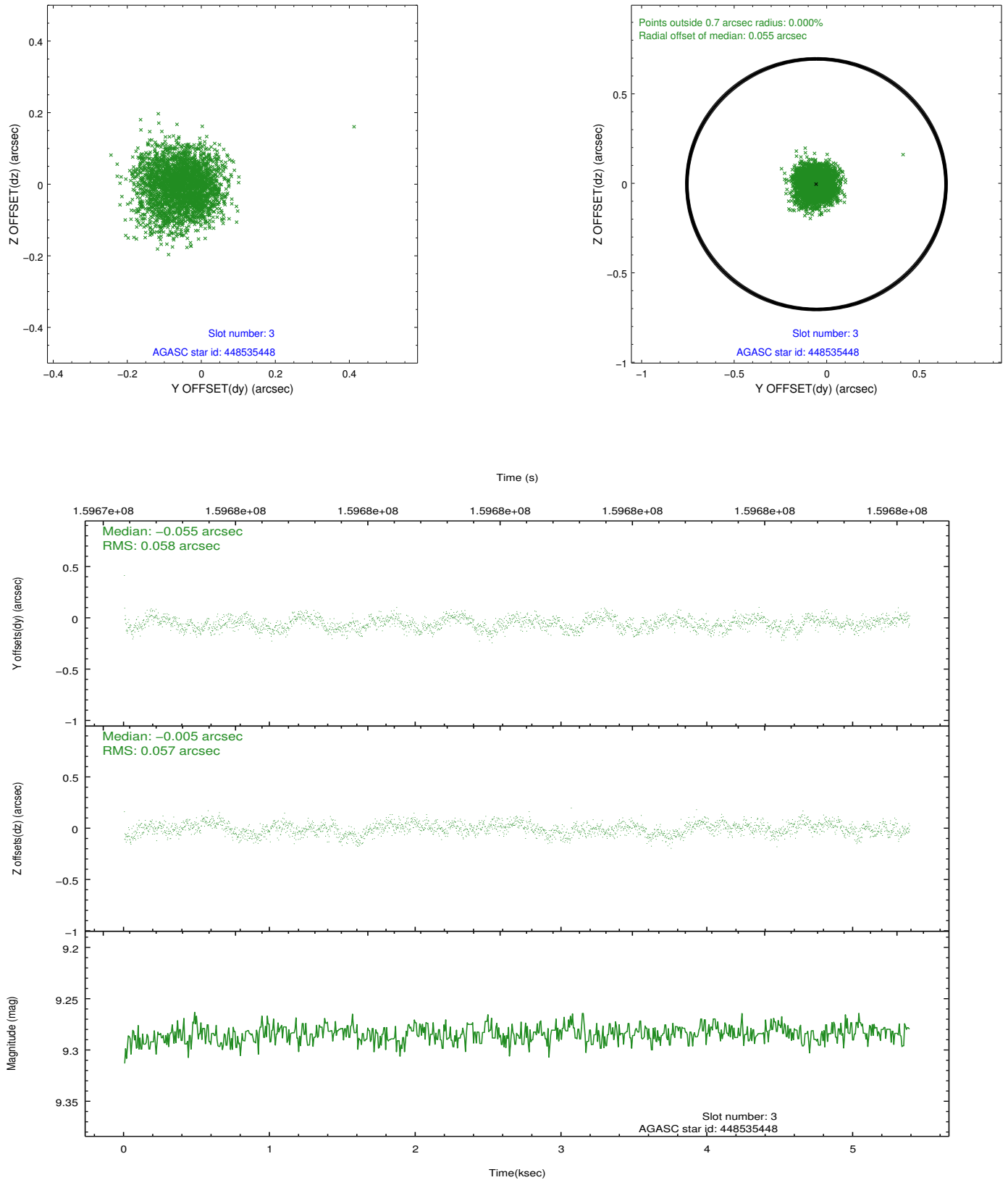


Slot Statistics

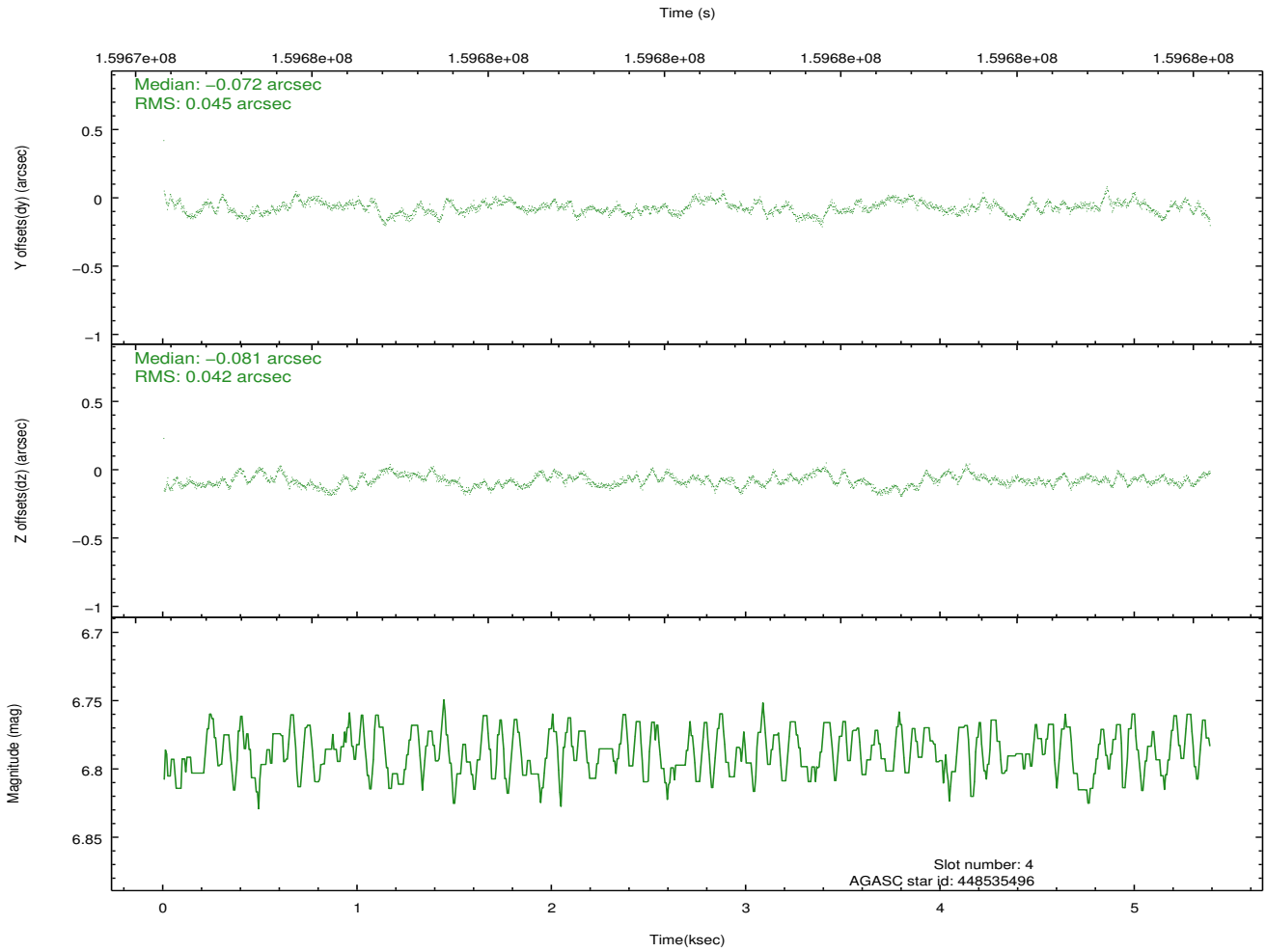
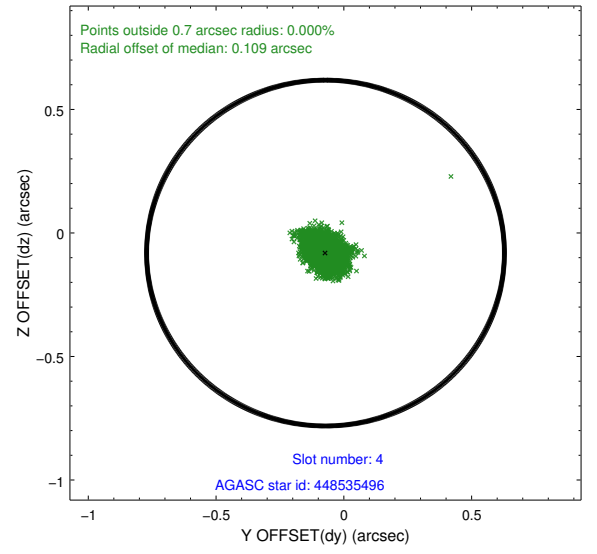
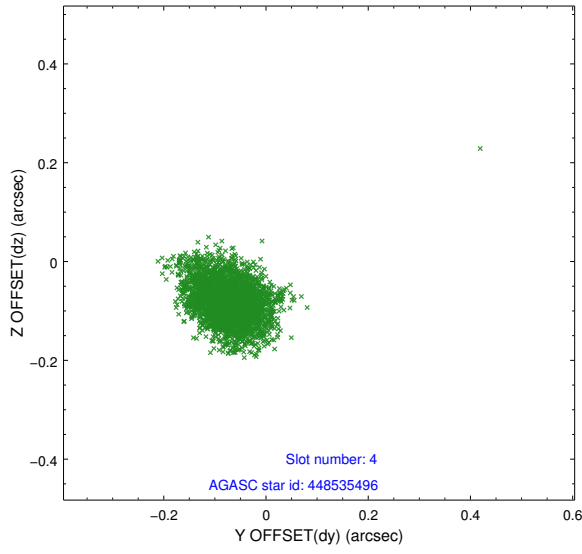
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1314	-0.024	0.003	0.008	0.012	0.000000	0.000000	-754.97	-1728.35
1	FID	ACIS-S-4	7.21	1314	-0.025	0.011	0.006	0.012	0.000000	0.000000	2157.80	179.00
2	FID	ACIS-S-5	7.24	1314	0.018	-0.005	0.007	0.011	0.000000	0.000000	-1806.33	173.92
3	GUIDE	448535448	9.28	2626	-0.055	-0.005	0.088	0.137	130.912711	51.395194	-1988.61	-993.32
4	GUIDE	448535496	6.79	2628	-0.072	-0.081	0.064	0.103	130.179057	51.430747	-343.60	-846.23
5	GUIDE	448536480	8.36	2628	-0.057	-0.065	0.065	0.104	129.782800	51.478012	561.68	-872.91
6	GUIDE	448537656	9.01	2628	-0.044	-0.058	0.101	0.164	130.570587	50.654135	-1675.34	1766.65
7	GUIDE	448542832	9.82	2604	0.223	0.213	0.121	0.197	128.761023	50.682623	2419.34	2304.39

2.4 Star Slots

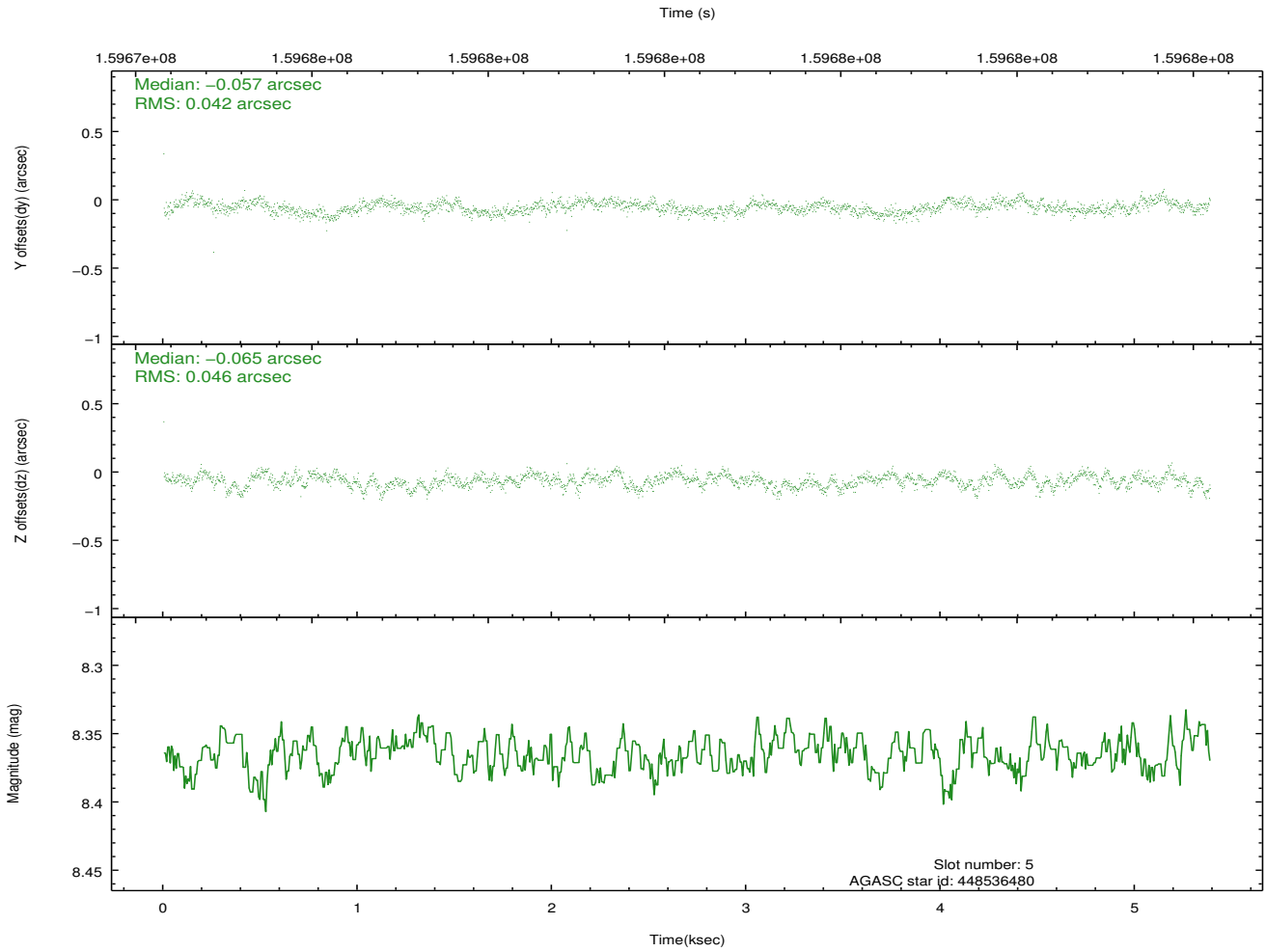
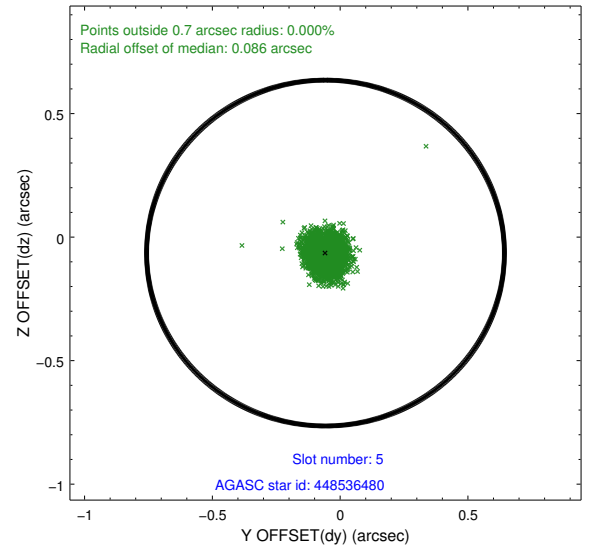
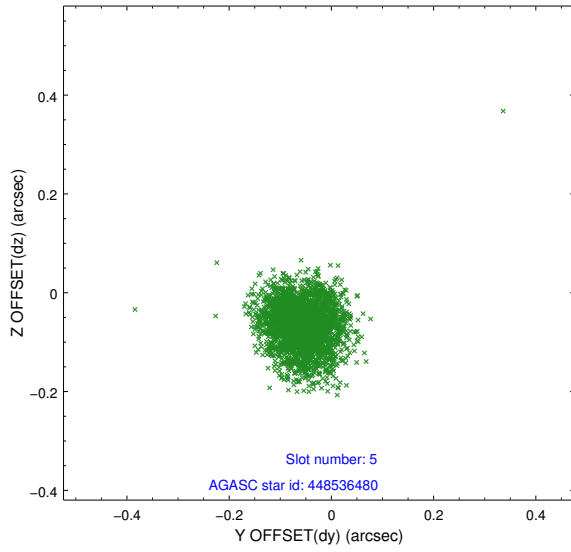
2.4.1 Slot 3



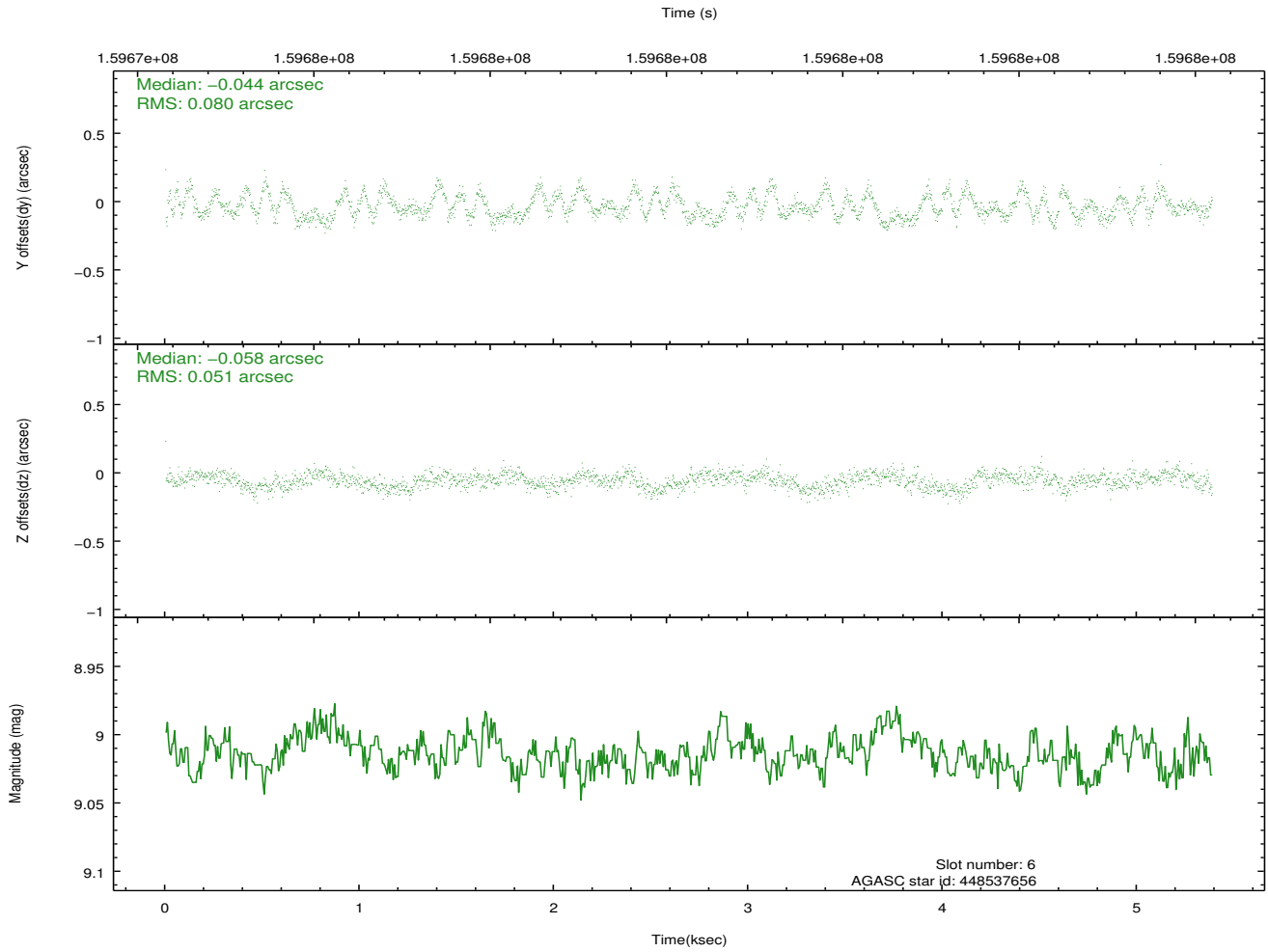
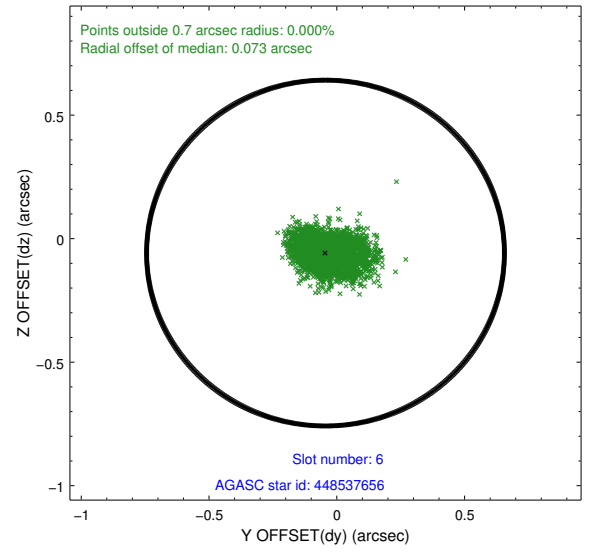
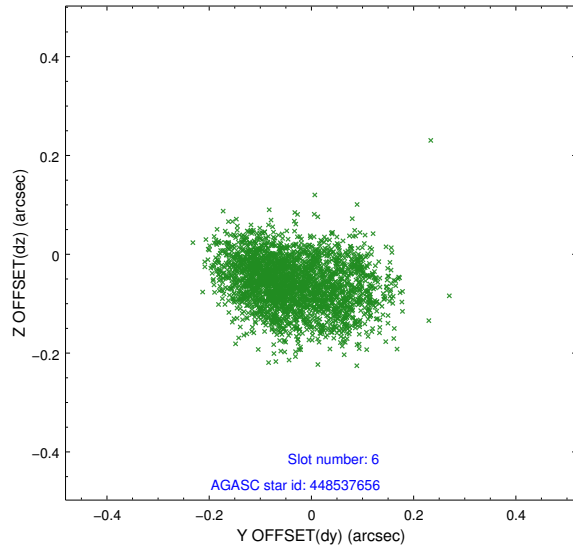
2.4.2 Slot 4



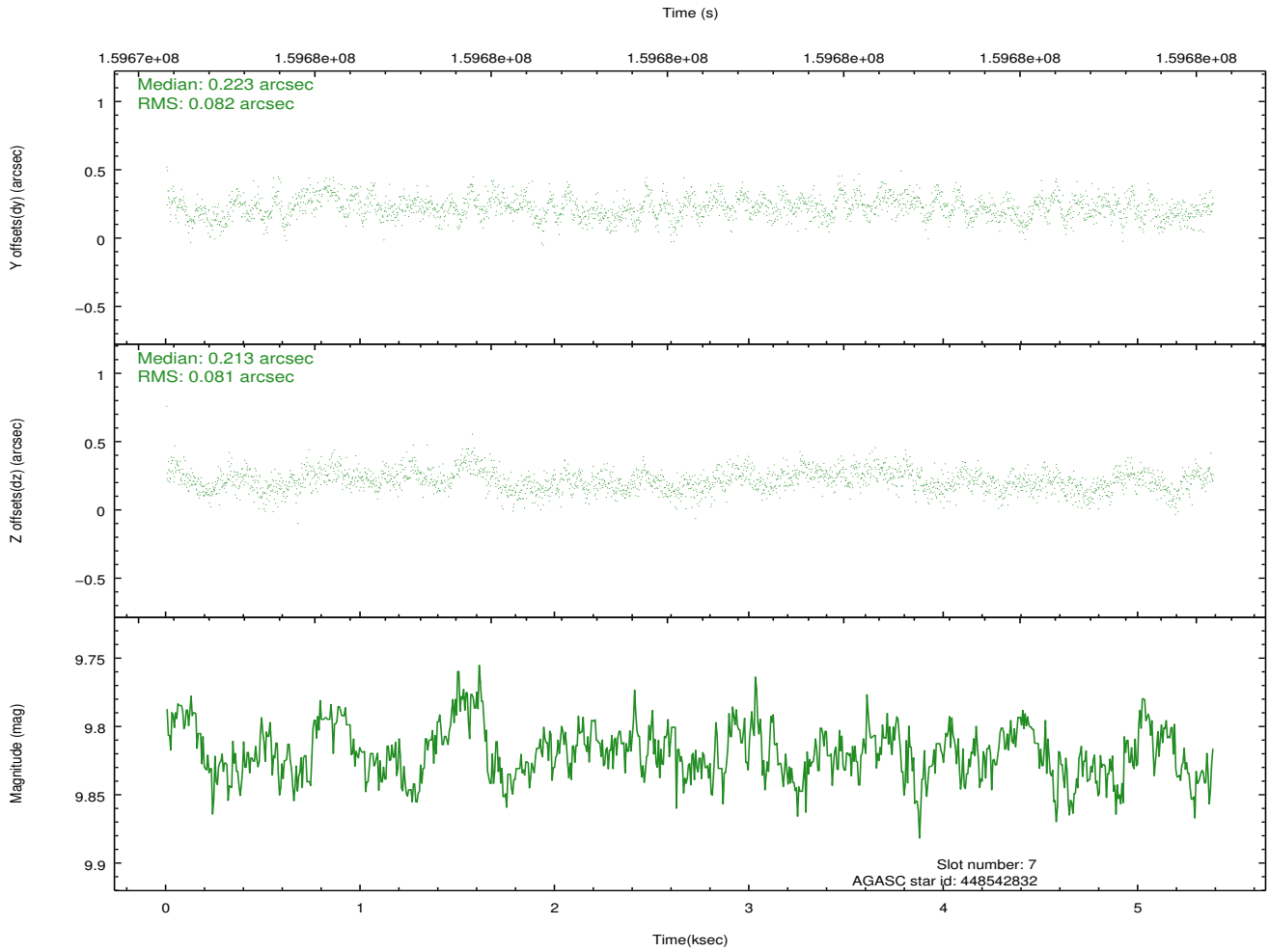
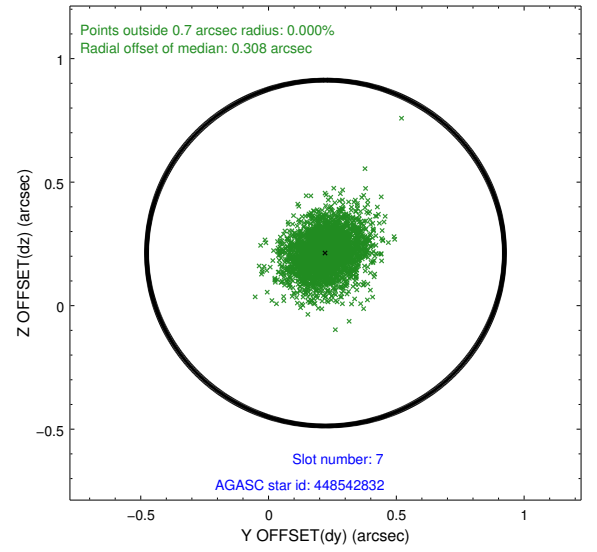
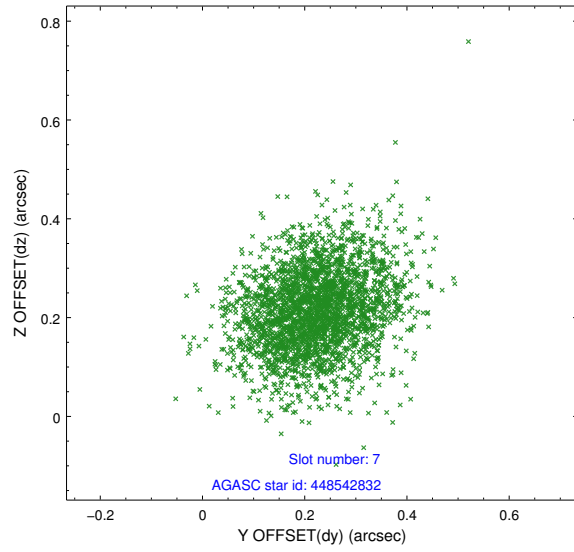
2.4.3 Slot 5



2.4.4 Slot 6

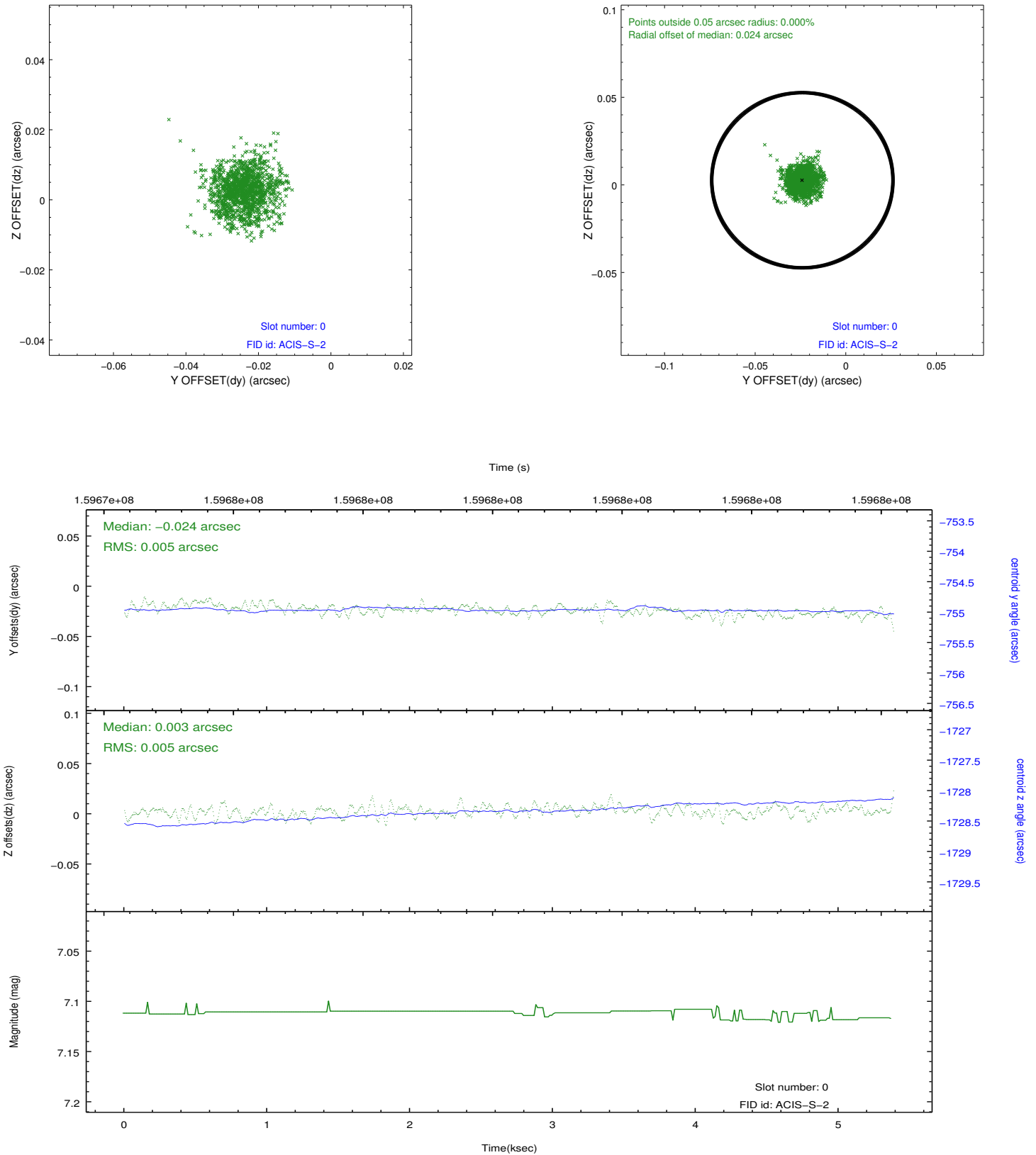


2.4.5 Slot 7

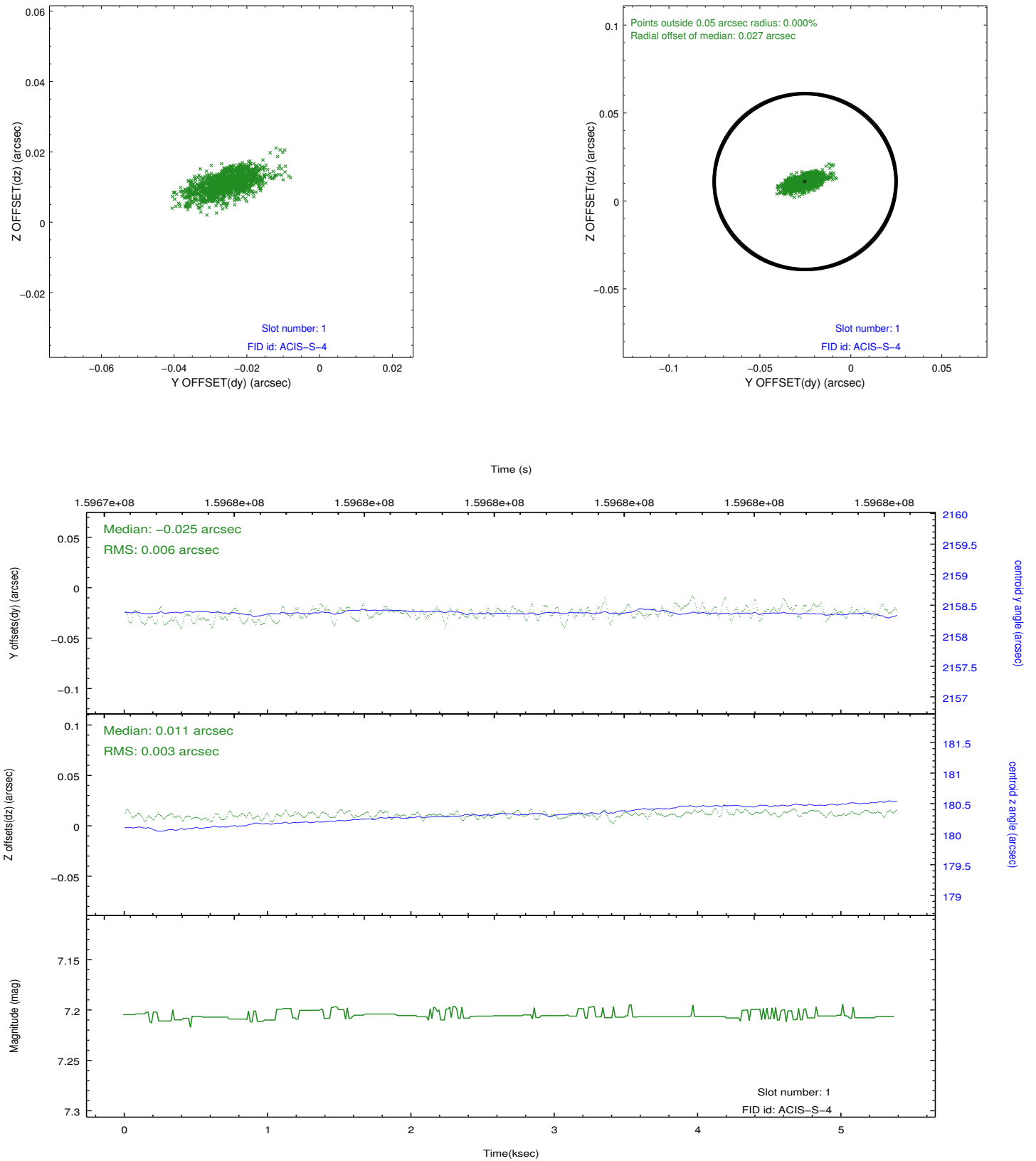


2.5 FID Slots

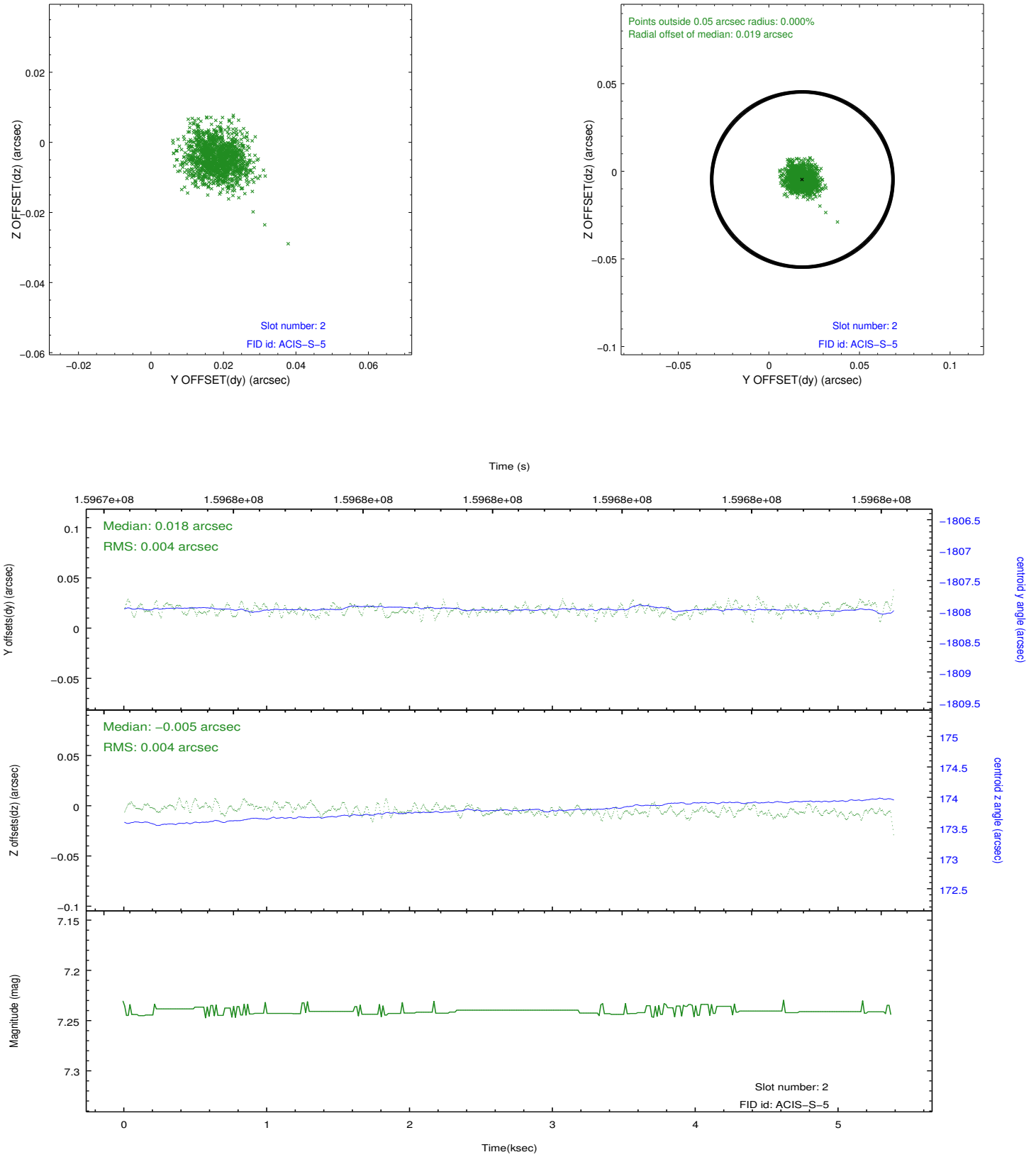
2.5.1 Slot 0



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)	2012.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments