

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4142 - L2 Version 3
Chandra X-Ray Center

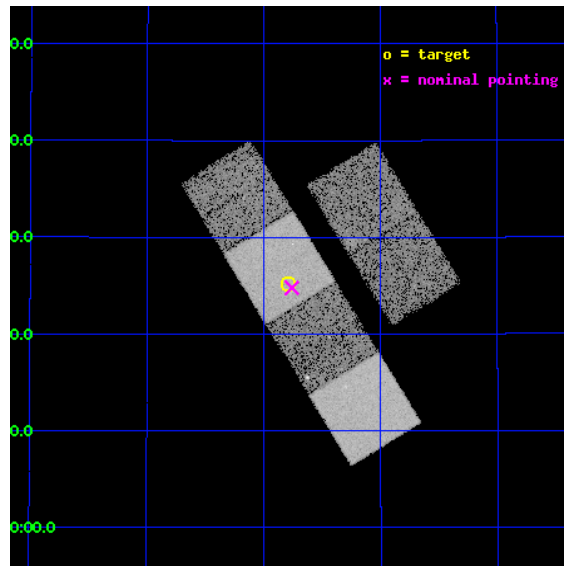
L2 Processing Date : Oct 18 2012

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1 Front

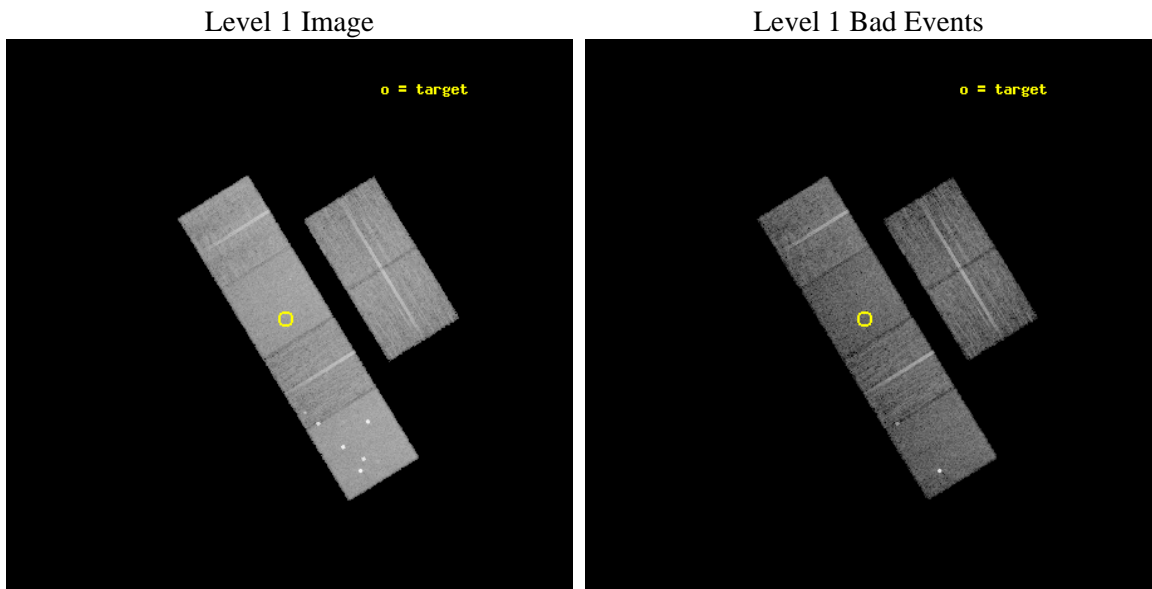
seq_num	700821	Sequence number
obs_id	4142	Observation id
title	OBSCURED HIGH REDSHIFT RADIO GALAXIES	Proposal title
observer	Wil van Bruegel	Principal investigator
object	J0305+3525	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	46.4475	Observer's specified target RA [deg]
dec_targ	35.420389	Observer's specified target Dec [deg]
ra_nom	46.439629997172	Nominal RA [deg]
dec_nom	35.413192009463	Nominal Dec [deg]
roll_nom	238.48551565656	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12645.442021757	Sum of GTIs [s]
livetime	12485.317820707	Livetime [s]
ontime2	12642.242081493	Sum of GTIs [s]
ontime3	12645.318901747	Sum of GTIs [s]
ontime5	12645.400981754	Sum of GTIs [s]
ontime6	12645.359941751	Sum of GTIs [s]
ontime7	12645.442021757	Sum of GTIs [s]
ontime8	12645.277861774	Sum of GTIs [s]
l2events	124794	Number of level 2 events



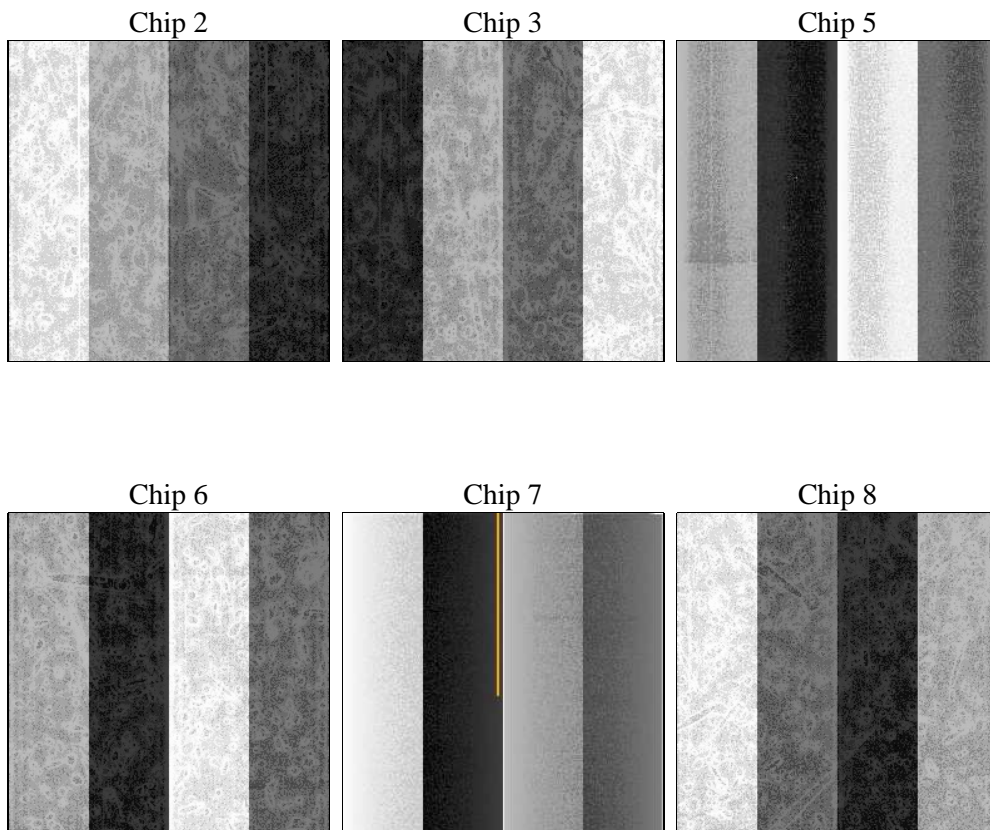
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12682.718000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12645.442021757	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	12642.242081493	Sum of GTIs [s]
date	2012-10-18T08:34:31	Date and time of file creation	ontime3	12645.318901747	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	12645.400981754	Sum of GTIs [s]
			ontime6	12645.359941751	Sum of GTIs [s]
			ontime7	12645.442021757	Sum of GTIs [s]
			ontime8	12645.277861774	Sum of GTIs [s]
			l1events	574632	Number of level 1 events

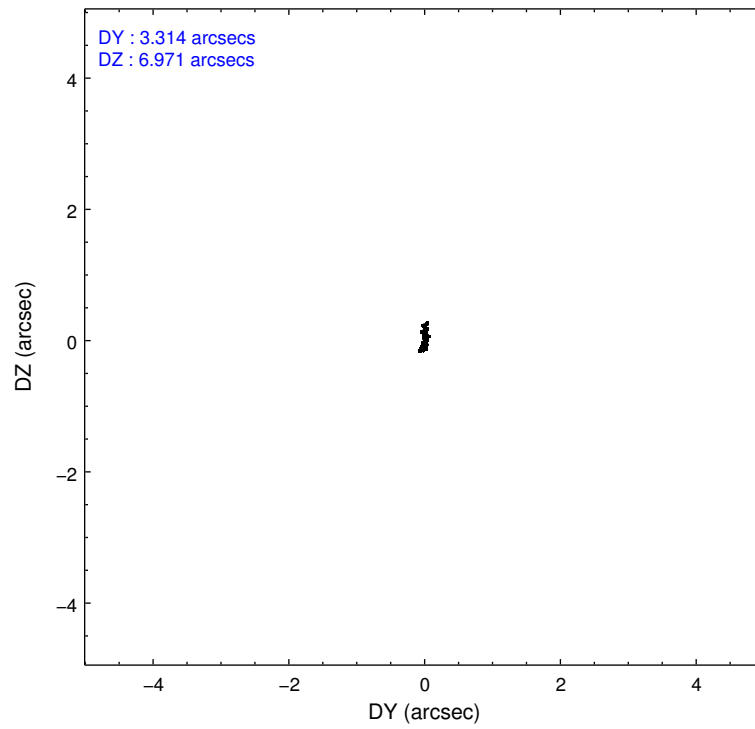
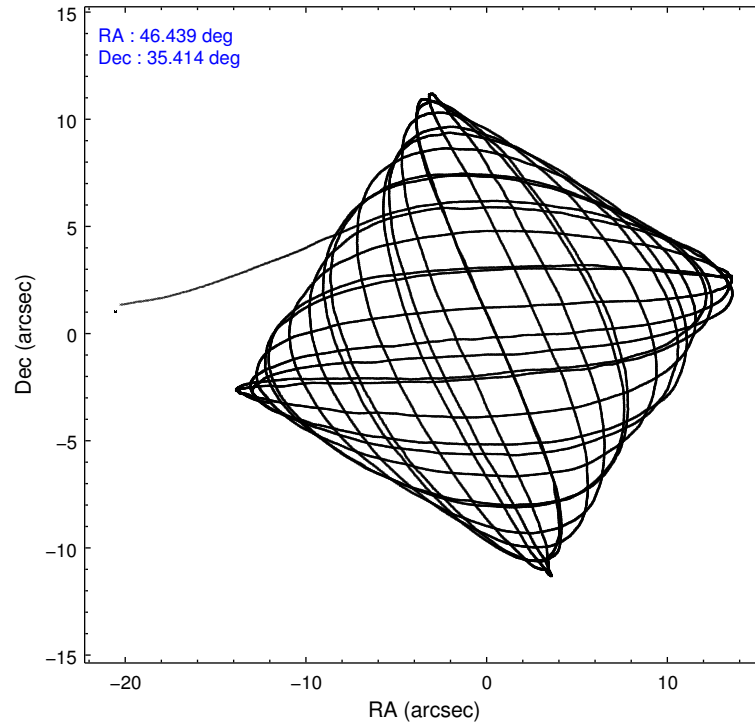
2.1.4 Events

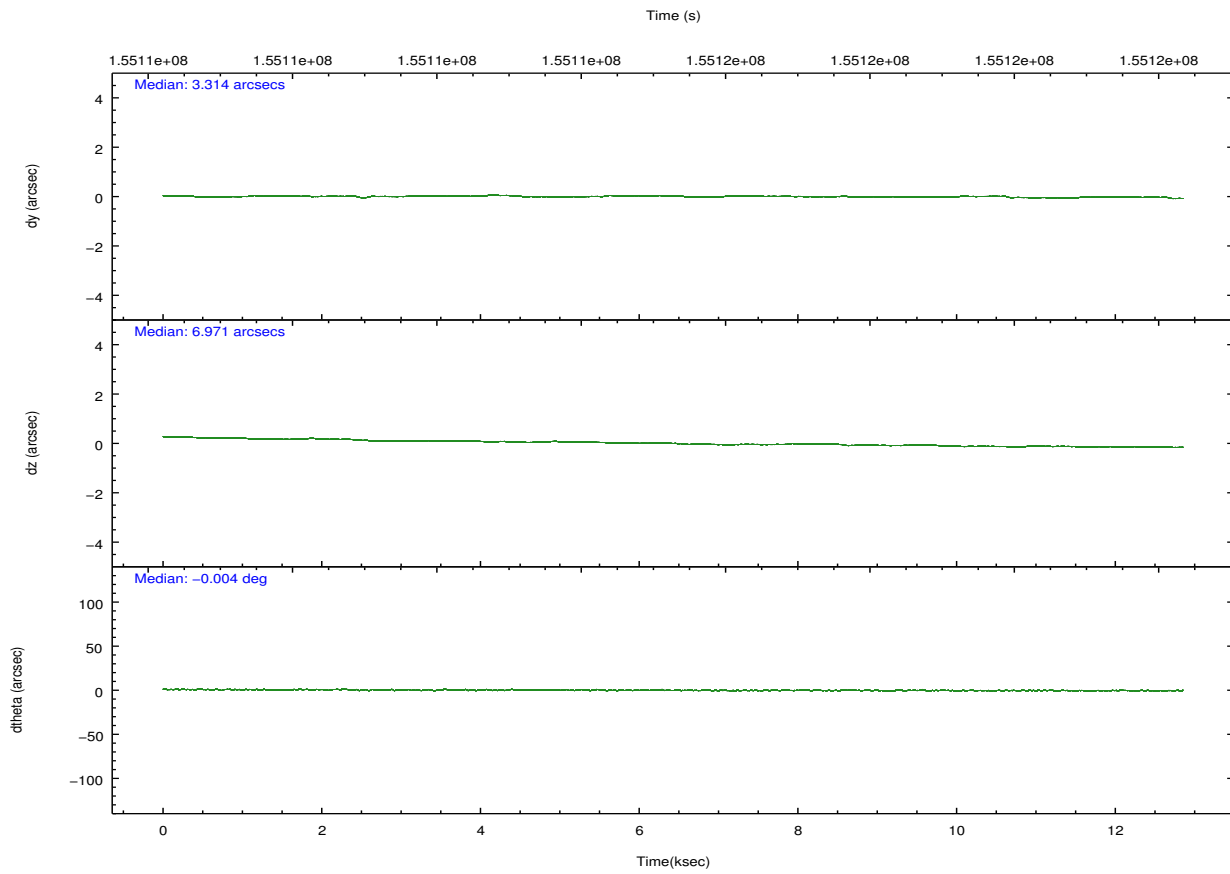
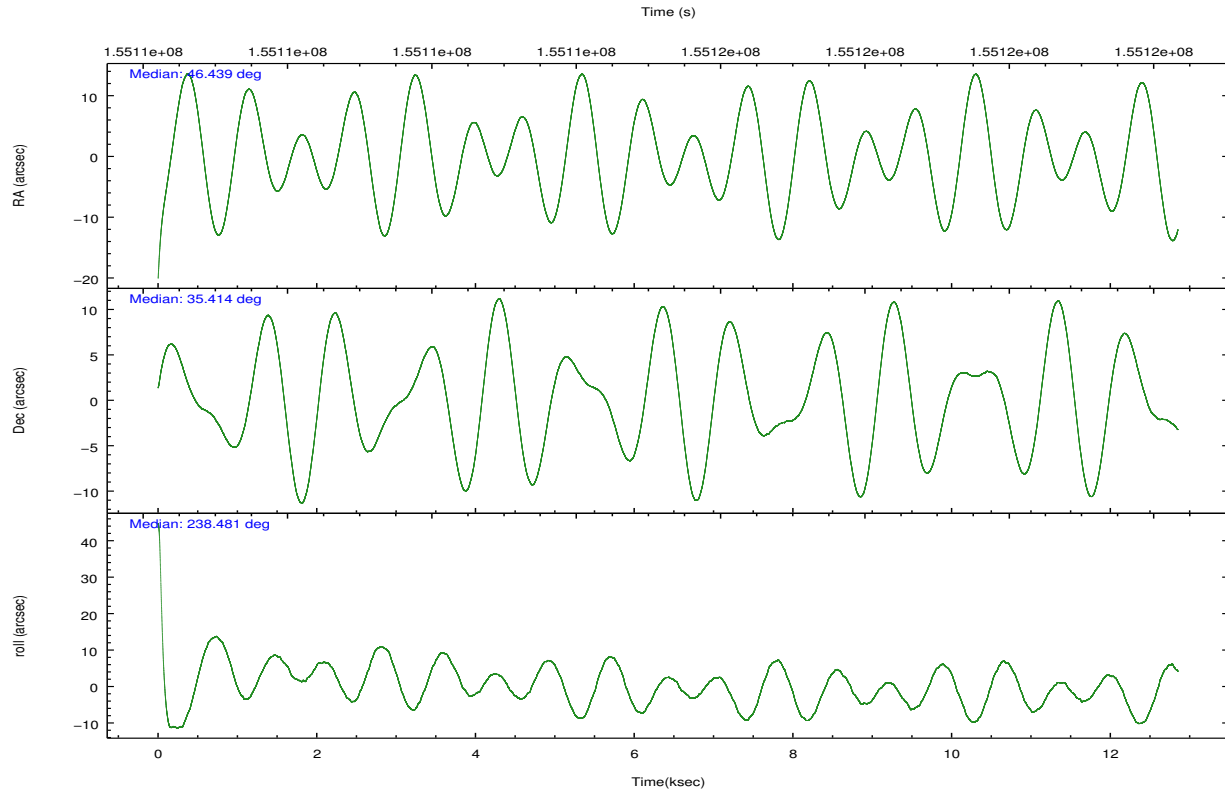
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	82495	79037	128218	81151	104635	99096	grade 0 events	3968	3958	13515	3948	3967	6460
rejected events	73469	69924	65817	71636	60875	78644		4%	5%	10%	4%	3%	6%
rejected %	89%	88%	51%	88%	58%	79%	grade 1 events	47	39	284	32	102	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1839	1704	16265	1876	8474	4376
								2%	2%	12%	2%	8%	4%
							grade 3 events	885	935	2354	922	3855	2198
								1%	1%	1%	1%	3%	2%
							grade 4 events	863	903	2174	941	3810	2068
								1%	1%	1%	1%	3%	2%
							grade 5 events	3062	3329	9149	3544	9954	4480
								3%	4%	7%	4%	9%	4%
							grade 6 events	1473	1616	28108	1829	23665	5353
								1%	2%	21%	2%	22%	5%
							grade 7 events	70358	66553	56369	68059	50808	74101
								85%	84%	43%	83%	48%	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	46.440049	46.43962999717213	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.440386	35.4131920094626	Alternating exposures requested	N	N
[deg] Pointing Roll	238.328593	238.4855156565557	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	155109018.184000	155108052.79383			
Observation start date	2002-12-01T05:49:14	2002-12-01T05:34:12			
[s] Observation end time (MET)	155121700.184000	155122014.83191			
Observation end date	2002-12-01T09:20:36	2002-12-01T09:26:54			
Read mode	TIMED	TIMED			

2.3 Aspect



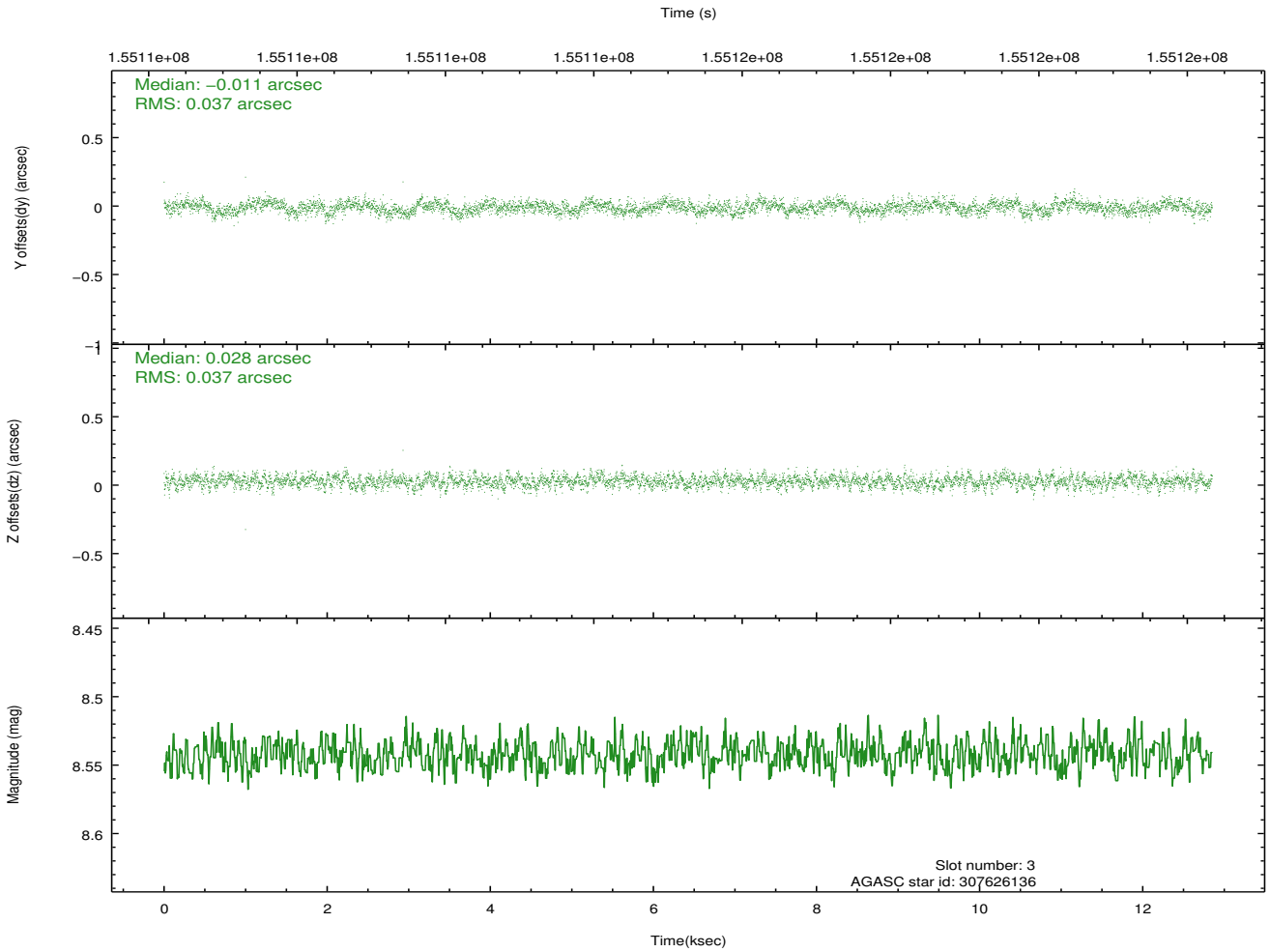
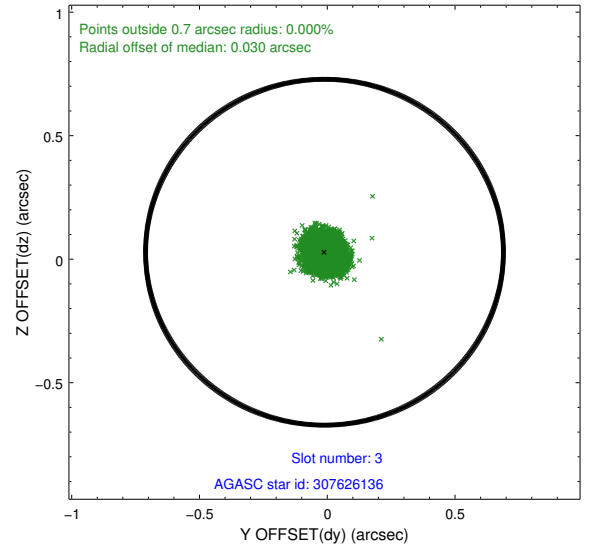
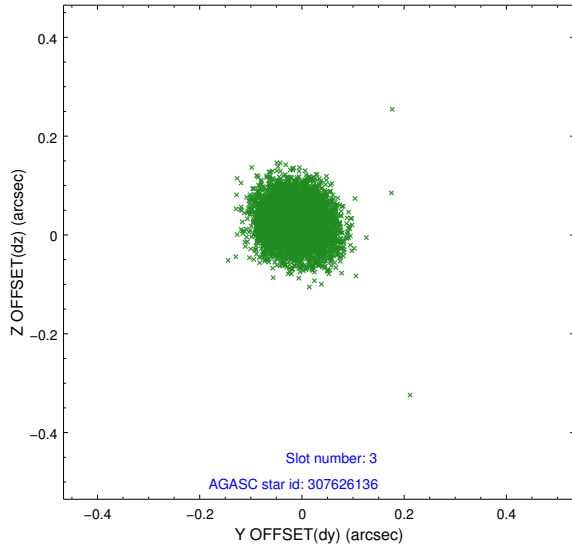


Slot Statistics

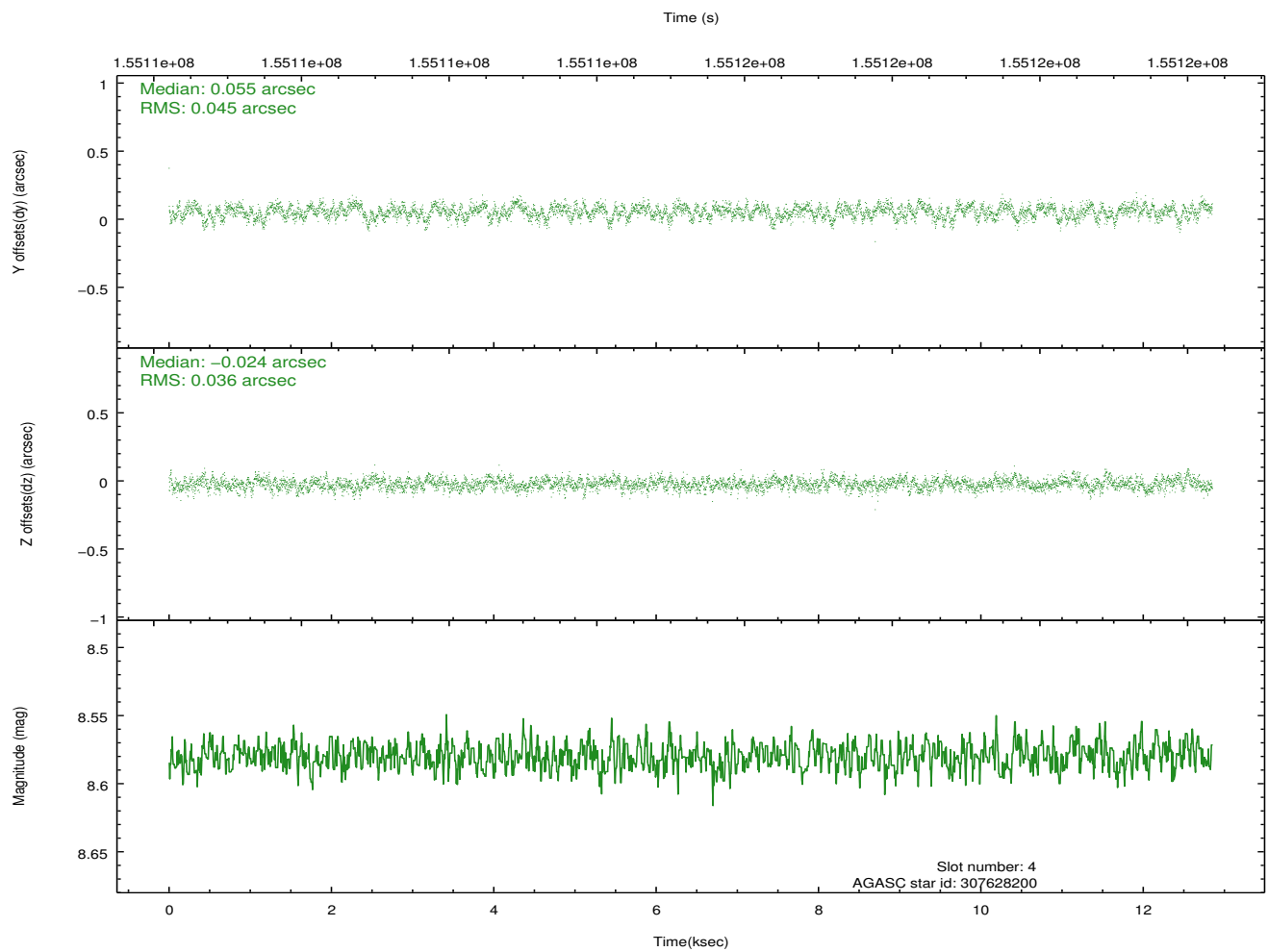
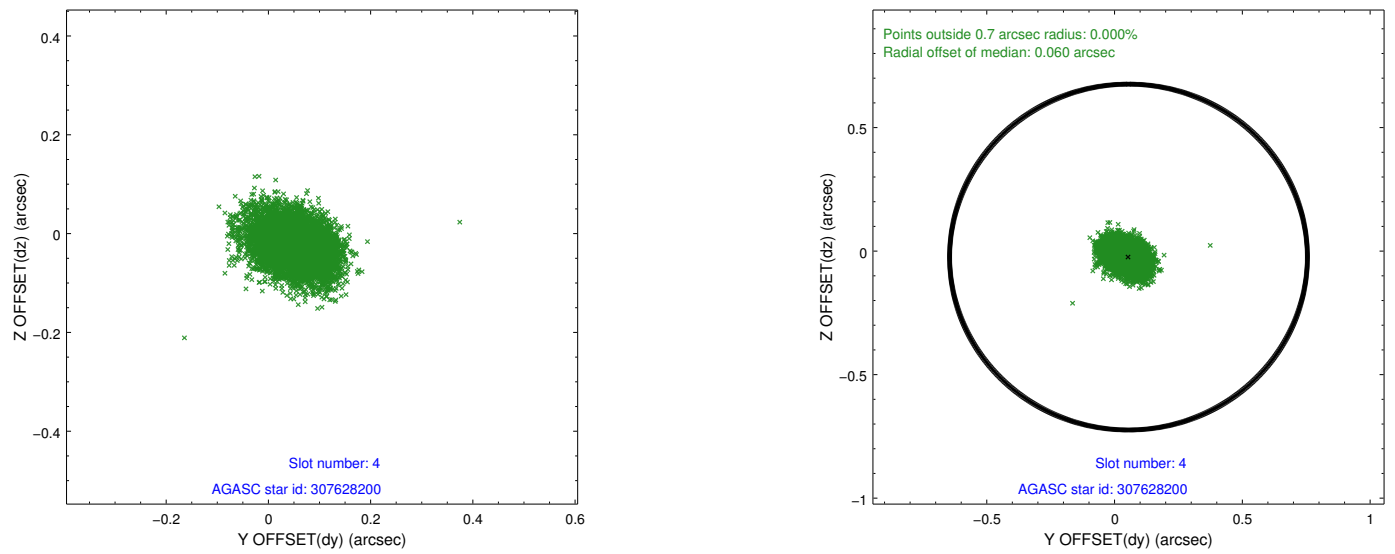
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	3133	-0.023	-0.003	0.009	0.015	0.000000	0.000000	-755.98	-1728.16
1	FID	ACIS-S-4	7.20	3132	0.018	0.012	0.006	0.011	0.000000	0.000000	2157.16	179.96
2	FID	ACIS-S-5	7.24	3133	-0.027	0.001	0.008	0.013	0.000000	0.000000	-1808.34	174.04
3	GUIDE	307626136	8.54	6264	-0.011	0.028	0.055	0.090	46.076477	35.572818	152.49	-1156.15
4	GUIDE	307628200	8.58	6269	0.055	-0.024	0.061	0.099	46.624610	35.446327	-301.98	450.19
5	GUIDE	307628840	7.94	6268	-0.044	0.032	0.057	0.090	46.718364	35.123891	538.99	1296.50
6	GUIDE	307633256	8.70	6265	-0.043	0.013	0.069	0.106	46.698751	34.717962	1811.42	2018.19
7	GUIDE	307627632	8.69	6268	0.043	-0.051	0.067	0.109	46.237119	34.770215	2369.60	757.73

2.4 Star Slots

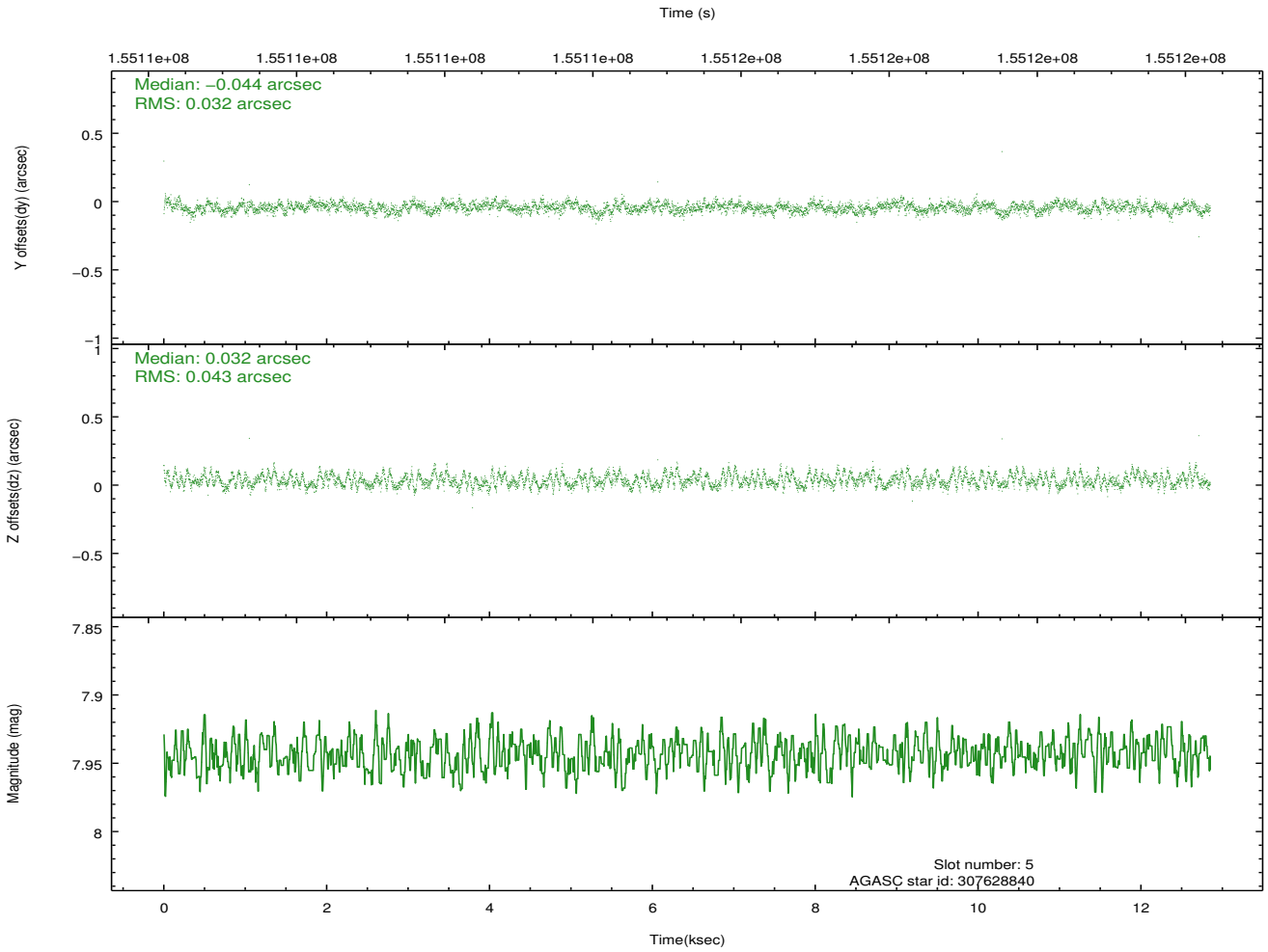
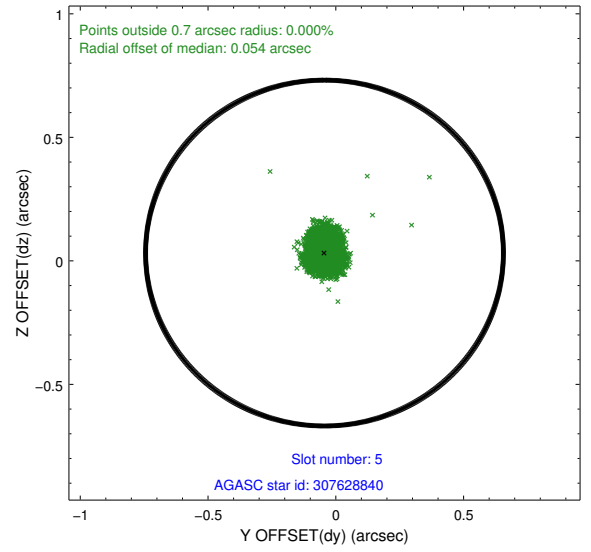
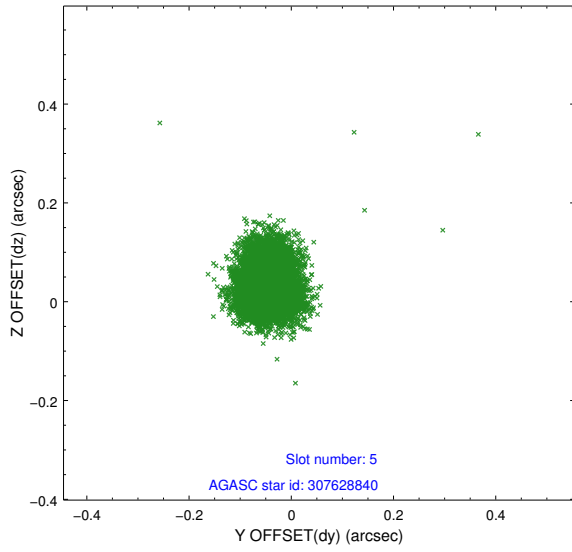
2.4.1 Slot 3



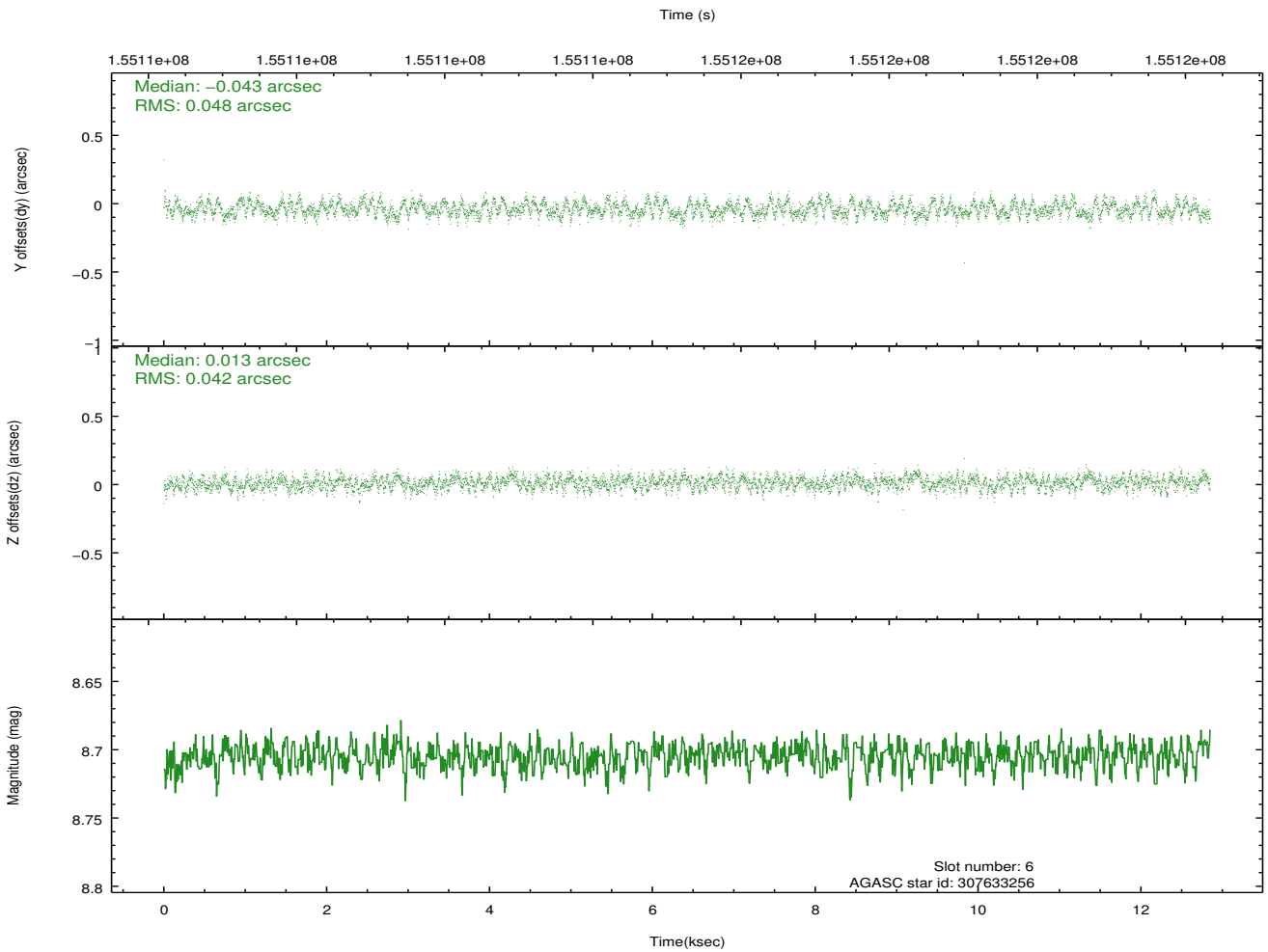
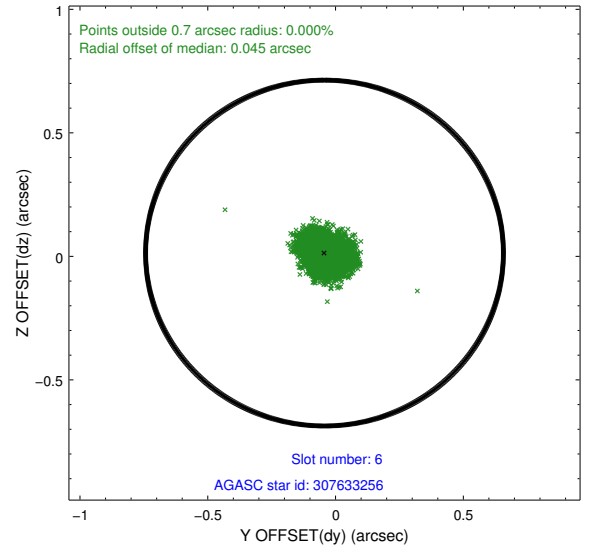
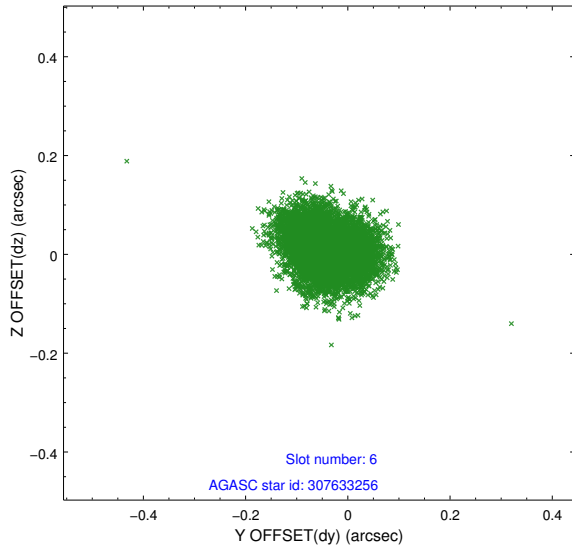
2.4.2 Slot 4



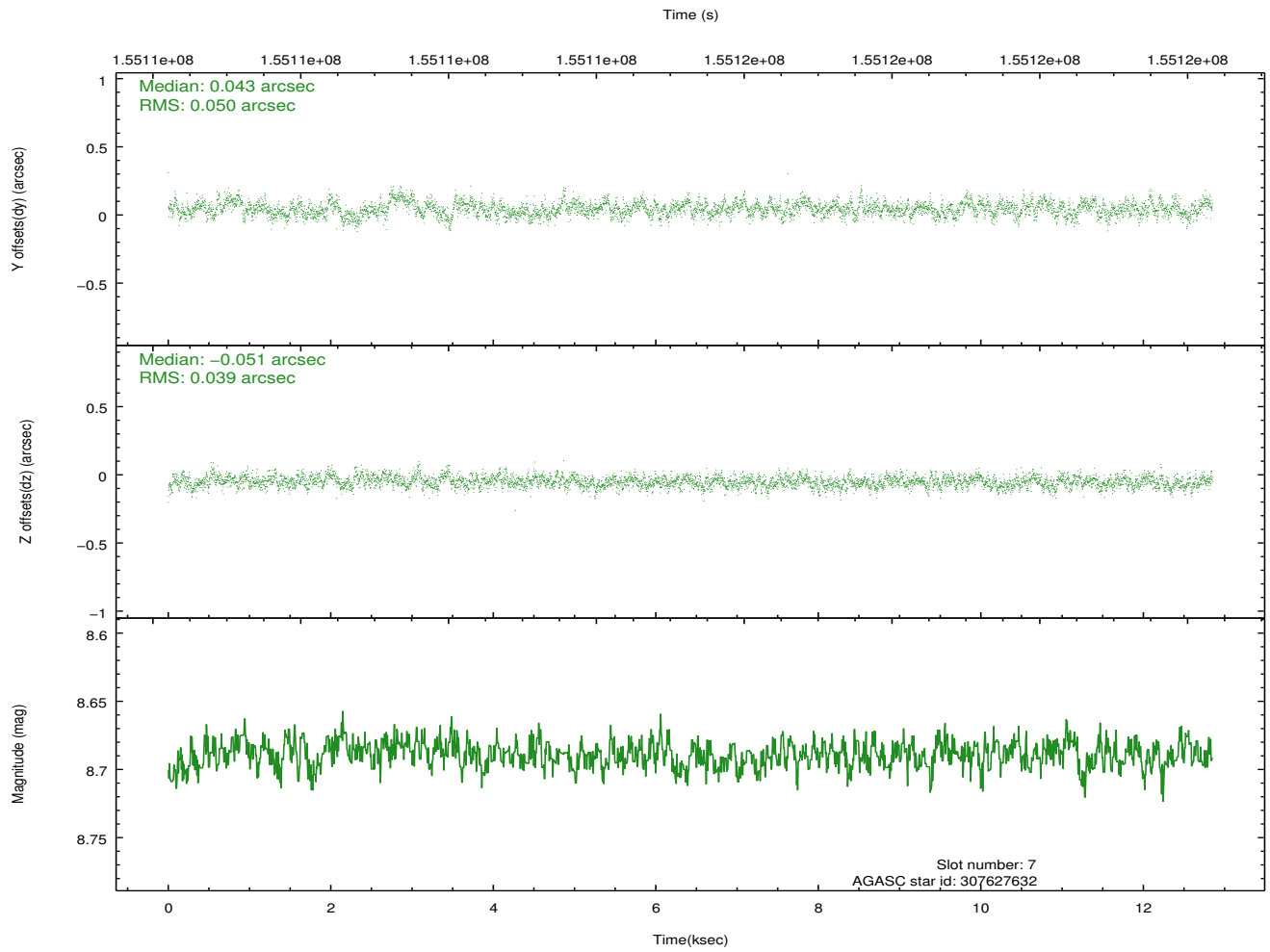
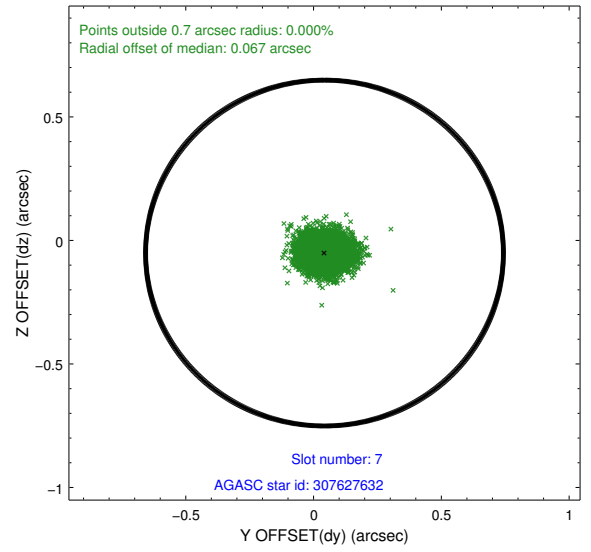
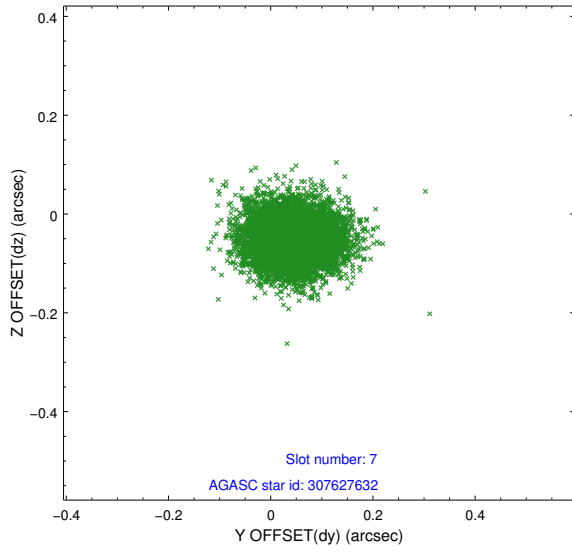
2.4.3 Slot 5



2.4.4 Slot 6

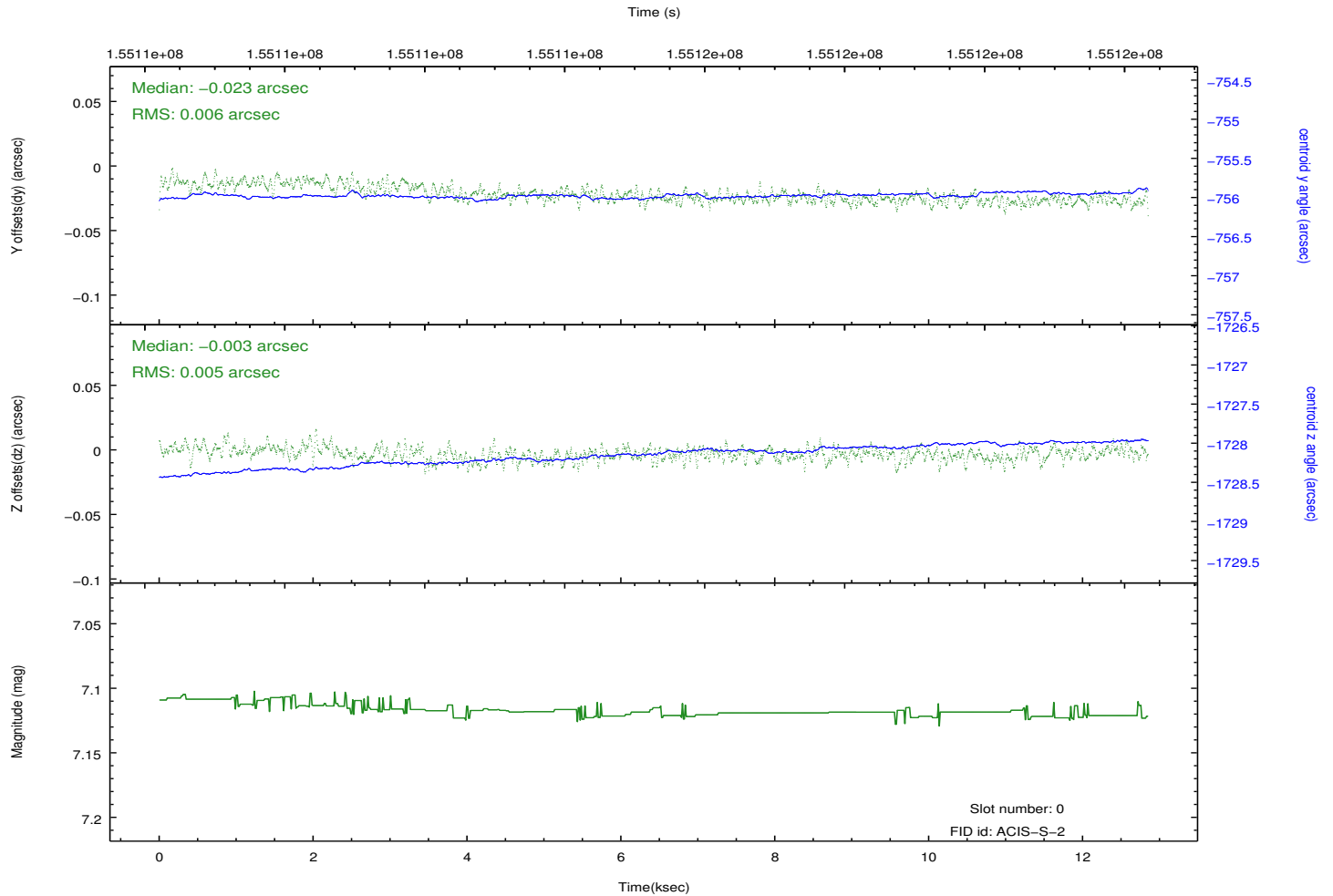
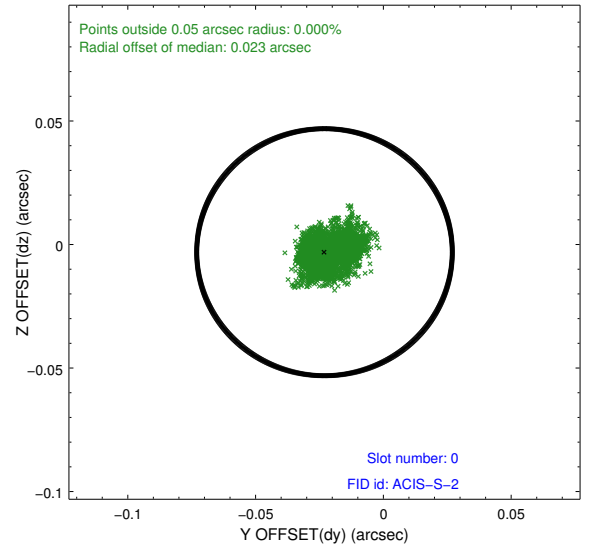
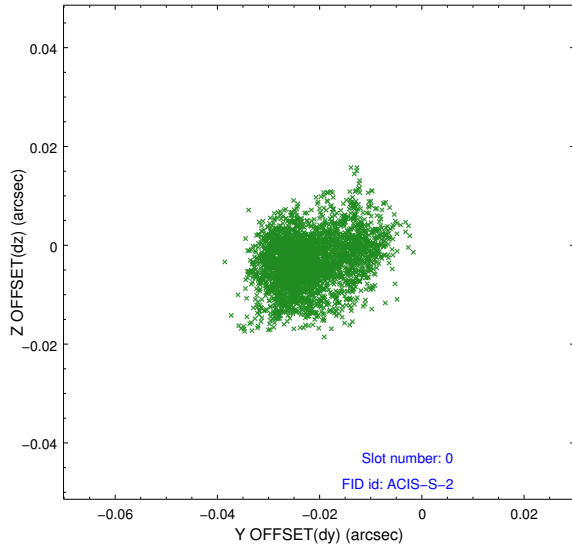


2.4.5 Slot 7

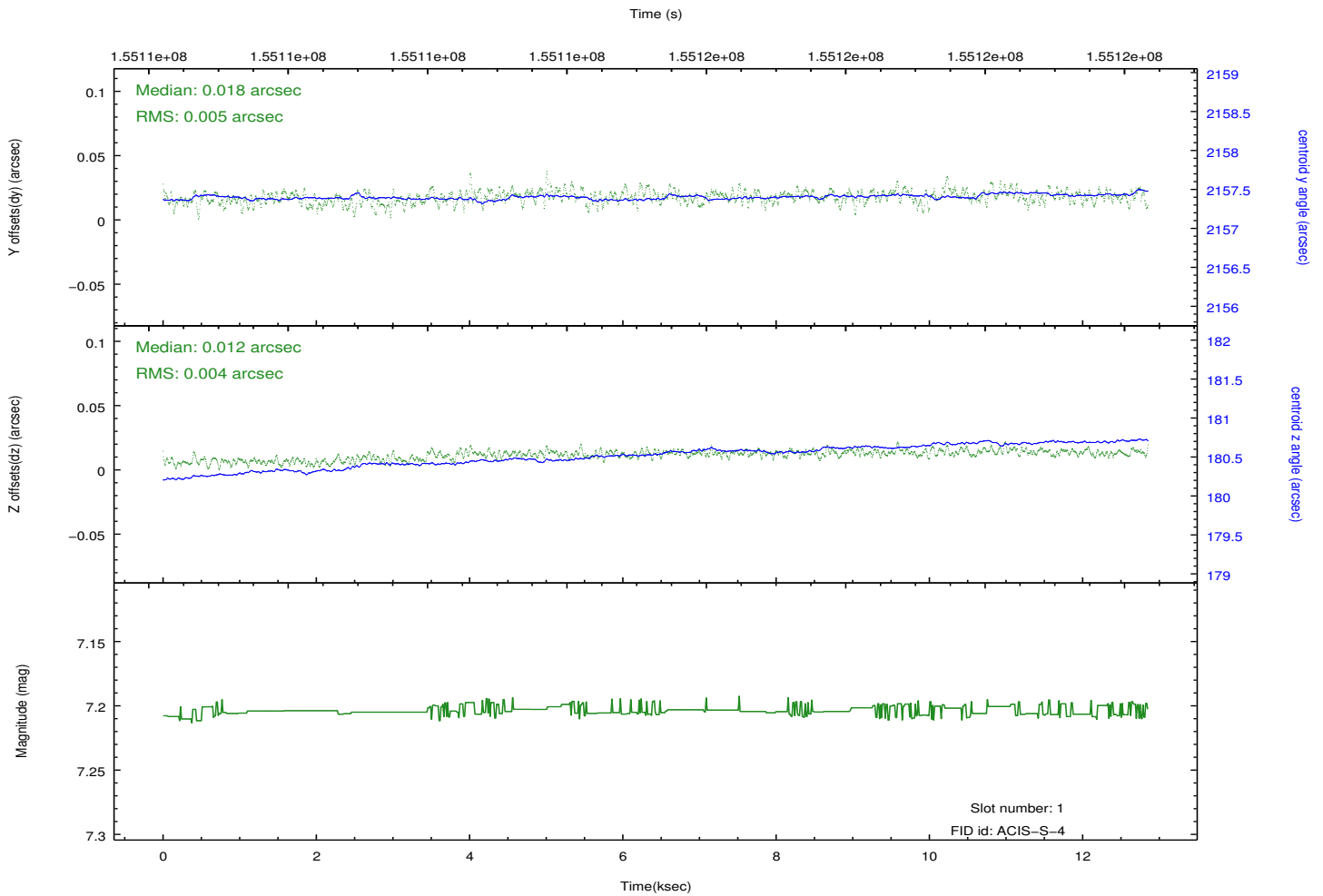
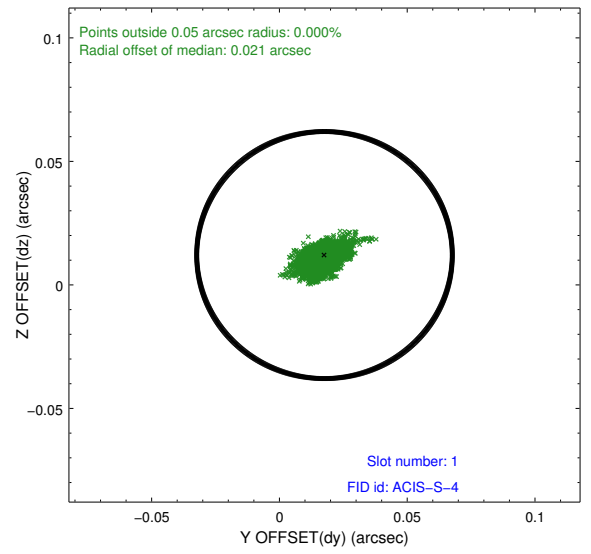
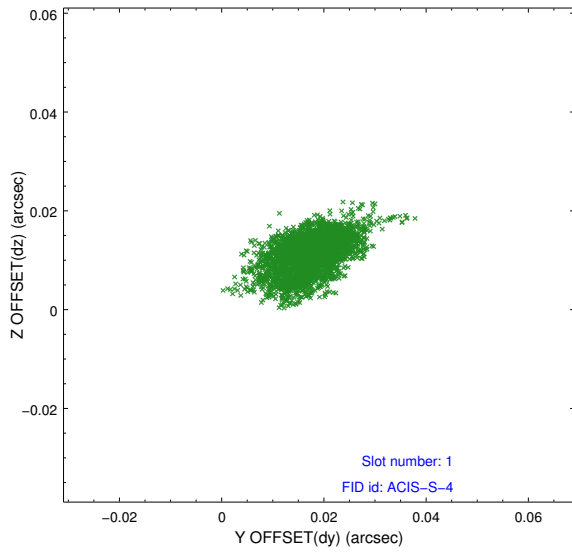


2.5 FID Slots

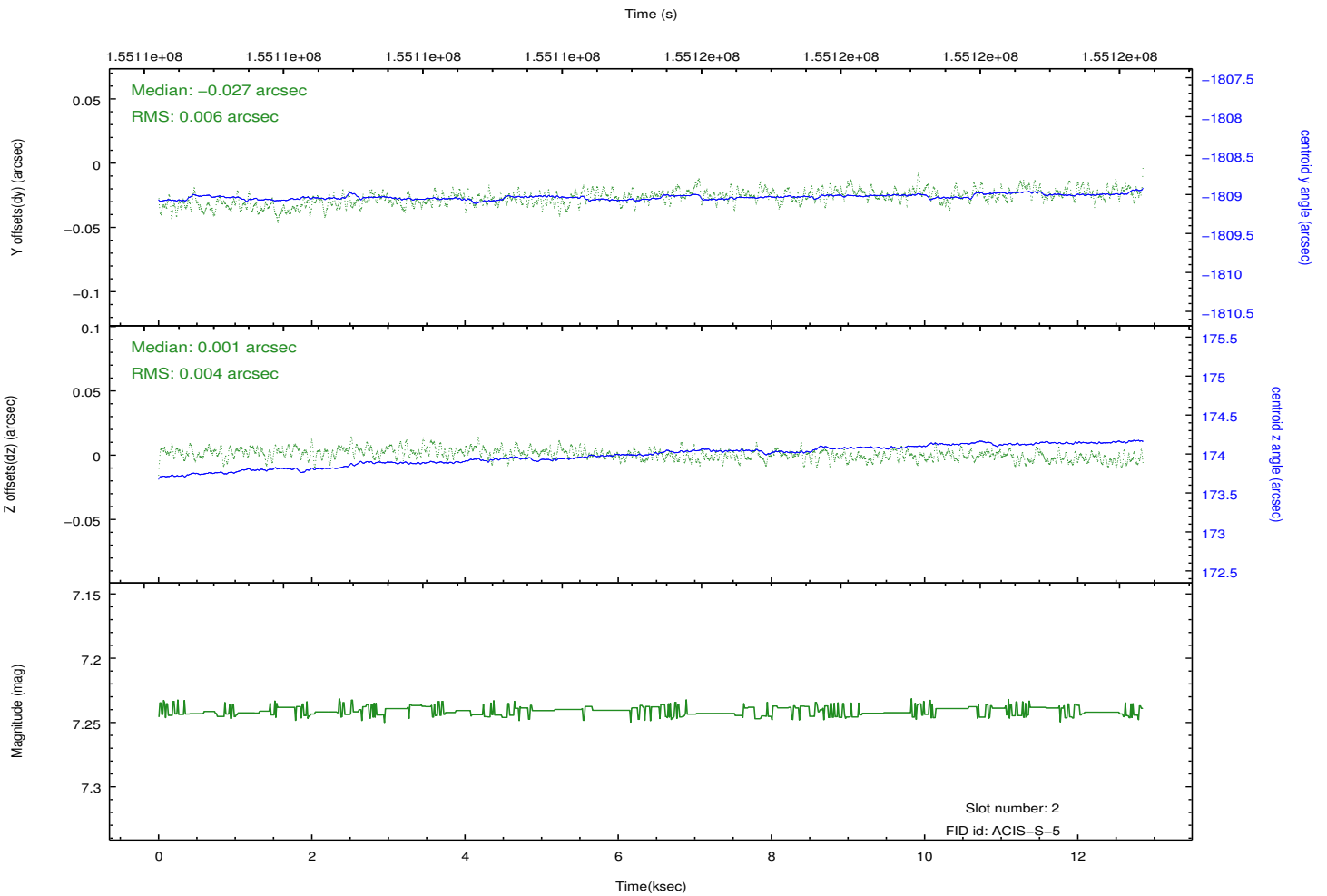
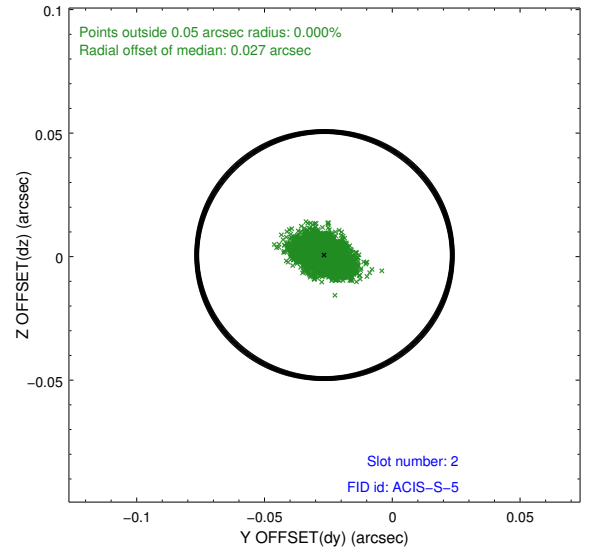
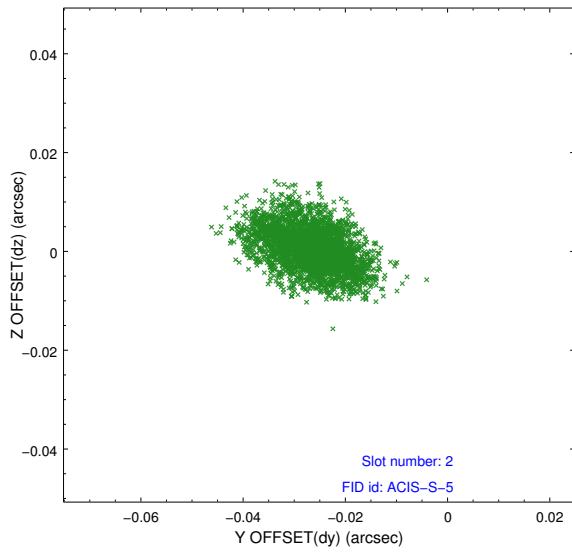
2.5.1 Slot 0



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)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.646

A.2 Comments