

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 4757 - L2 Version 6
Chandra X-Ray Center

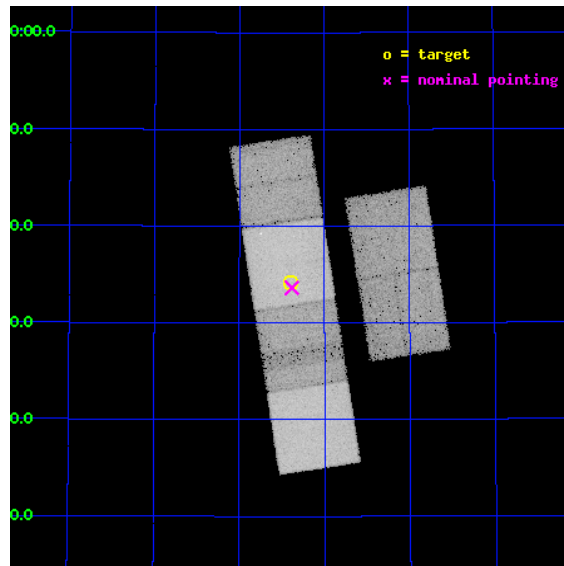
L2 Processing Date : Feb 13 2013

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1 Front

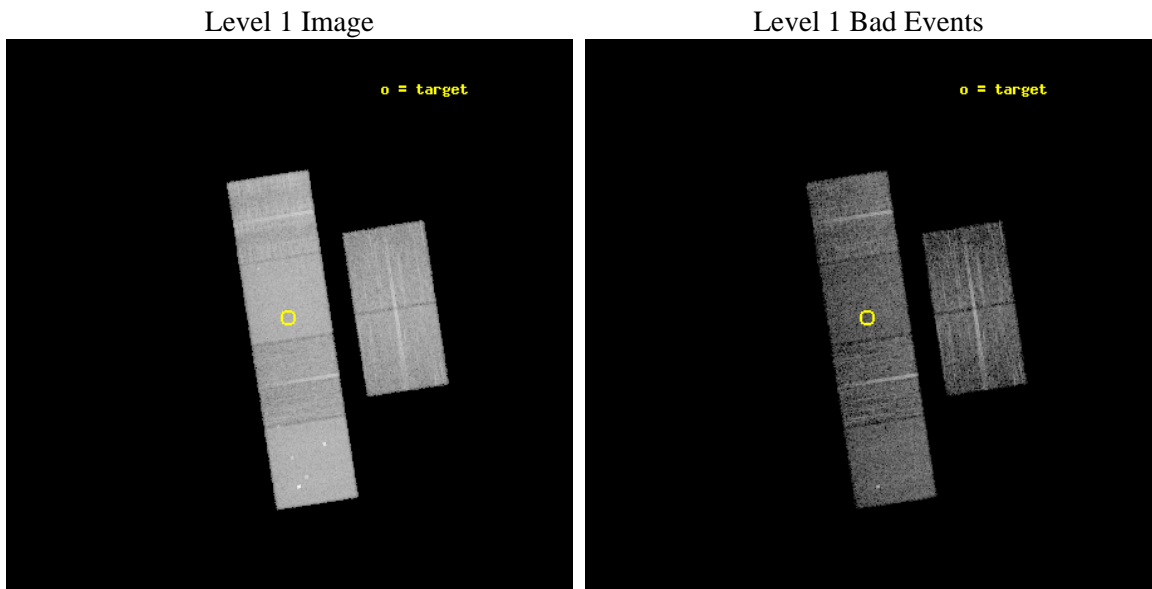
seq_num	700843	Sequence number
obs_id	4757	Observation id
title	Chandra follow-up of giant-amplitude X-ray flares	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	RXJ1420+5334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.100833	Observer's specified target RA [deg]
dec_targ	53.569722	Observer's specified target Dec [deg]
ra_nom	215.09551191393	Nominal RA [deg]
dec_nom	53.560523502294	Nominal Dec [deg]
roll_nom	261.18007448369	Nominal Roll [deg]
revision	6	Processing version of data
ontime	6550.3999755979	Sum of GTIs [s]
livetime	6467.4548669295	Livetime [s]
ontime2	6550.3999755979	Sum of GTIs [s]
ontime3	6550.3999755979	Sum of GTIs [s]
ontime5	6550.3999755979	Sum of GTIs [s]
ontime6	6550.3999755979	Sum of GTIs [s]
ontime7	6550.3999755979	Sum of GTIs [s]
ontime8	6550.3999755979	Sum of GTIs [s]
l2events	214436	Number of level 2 events



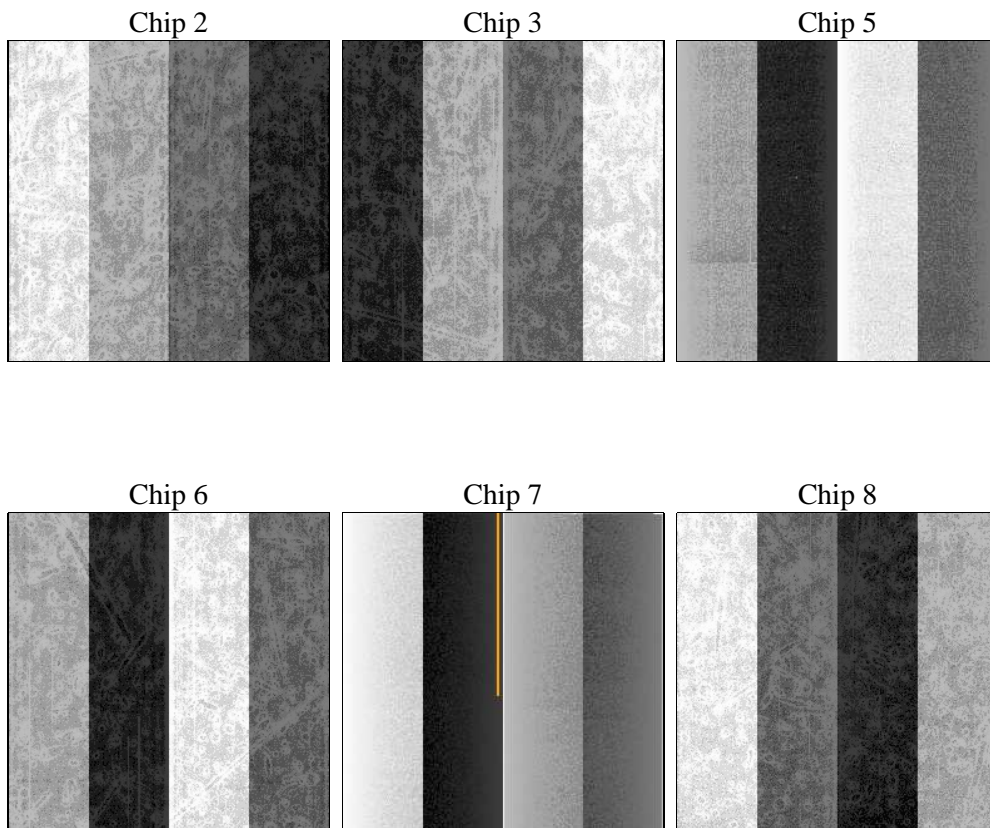
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10005.134000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	6550.3999755979	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	6550.3999755979	Sum of GTIs [s]
date	2013-02-13T23:43:43	Date and time of file creation	ontime3	6550.3999755979	Sum of GTIs [s]
revision	6	Processing version of data	ontime5	6550.3999755979	Sum of GTIs [s]
			ontime6	6550.3999755979	Sum of GTIs [s]
			ontime7	6550.3999755979	Sum of GTIs [s]
			ontime8	6550.3999755979	Sum of GTIs [s]
			l1events	507915	Number of level 1 events

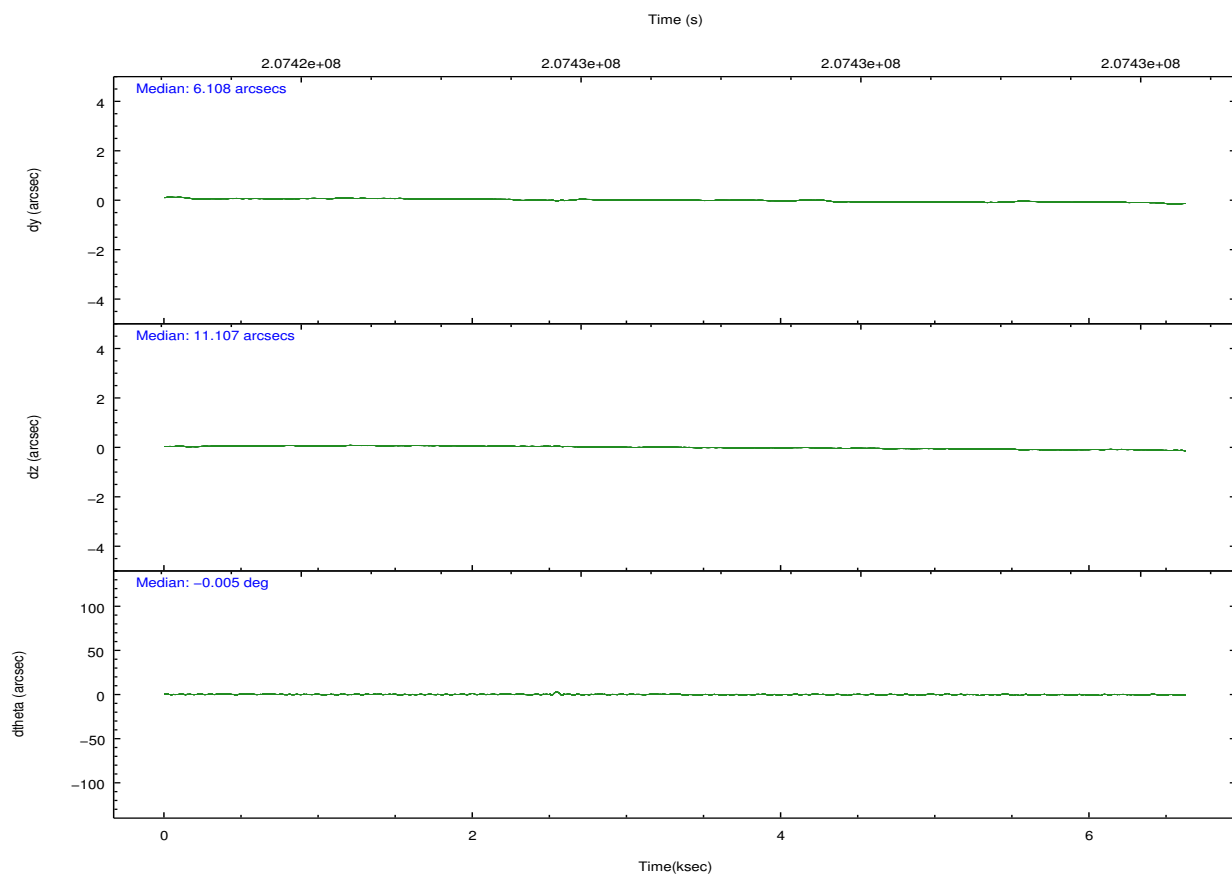
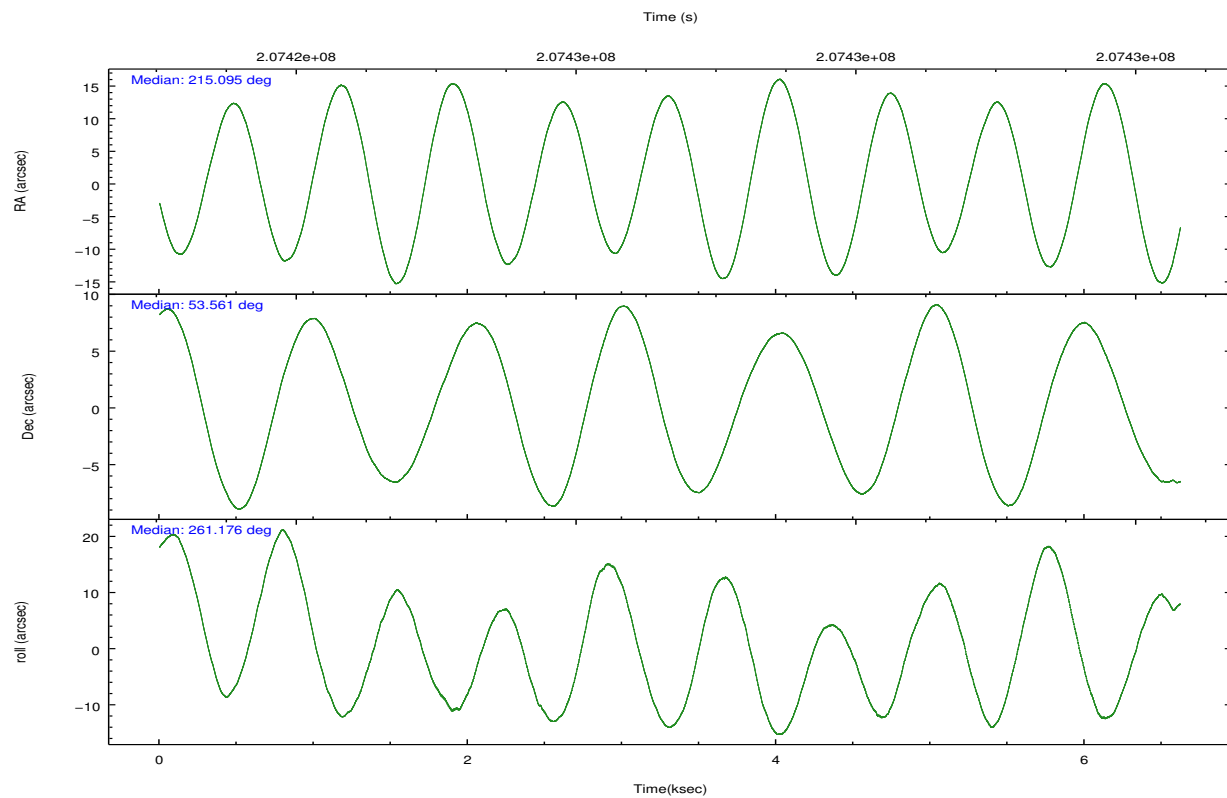
2.1.4 Events

	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	67562	63320	111449	68102	103136	94346	grade 0 events	13992	13737	8388	15449	6843	22345
rejected events	45552	41476	43456	43077	38556	49706		20%	21%	7%	22%	6%	23%
rejected %	67%	65%	38%	63%	37%	52%	grade 1 events	125	117	158	96	91	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	3567	3798	22078	4862	11919	7434
								5%	5%	19%	7%	11%	7%
							grade 3 events	1083	1079	3013	1060	5132	4223
								1%	1%	2%	1%	4%	4%
							grade 4 events	1140	1079	3014	1073	5055	3935
								1%	1%	2%	1%	4%	4%
							grade 5 events	1890	2102	5772	2148	6440	2985
								2%	3%	5%	3%	6%	3%
							grade 6 events	2427	2380	32305	2848	36420	7130
								3%	3%	28%	4%	35%	7%
							grade 7 events	43338	39028	36721	40566	31236	46129
								64%	61%	32%	59%	30%	48%

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	OVERRIDE	OVERRIDE
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	215.078401	215.0955119139275	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.585822	53.56052350229445	Alternating exposures requested	N	N
[deg] Pointing Roll	261.037157	261.1800744836866	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.6828225247311905	-0.6828225247311905			
[mm] SIM defocus	0.001444942264670179	0.001444942264670179			
[mm] SIM translation stage pos	-190.1425803651734	-190.1425803651734			
[mm] SIM translation stage offset	0.01005726120618533	0.01005726120618533			
[s] Observation start time (MET)	207423364.184000	207423364.184			
Observation start date	2004-07-28T17:35:00	2004-07-28T17:36:04			
[s] Observation end time (MET)	207429988.000000	207429988			
Observation end date	2004-07-28T19:26:28	2004-07-28T19:26:27			
Read mode	TIMED	TIMED			

2.3 Aspect

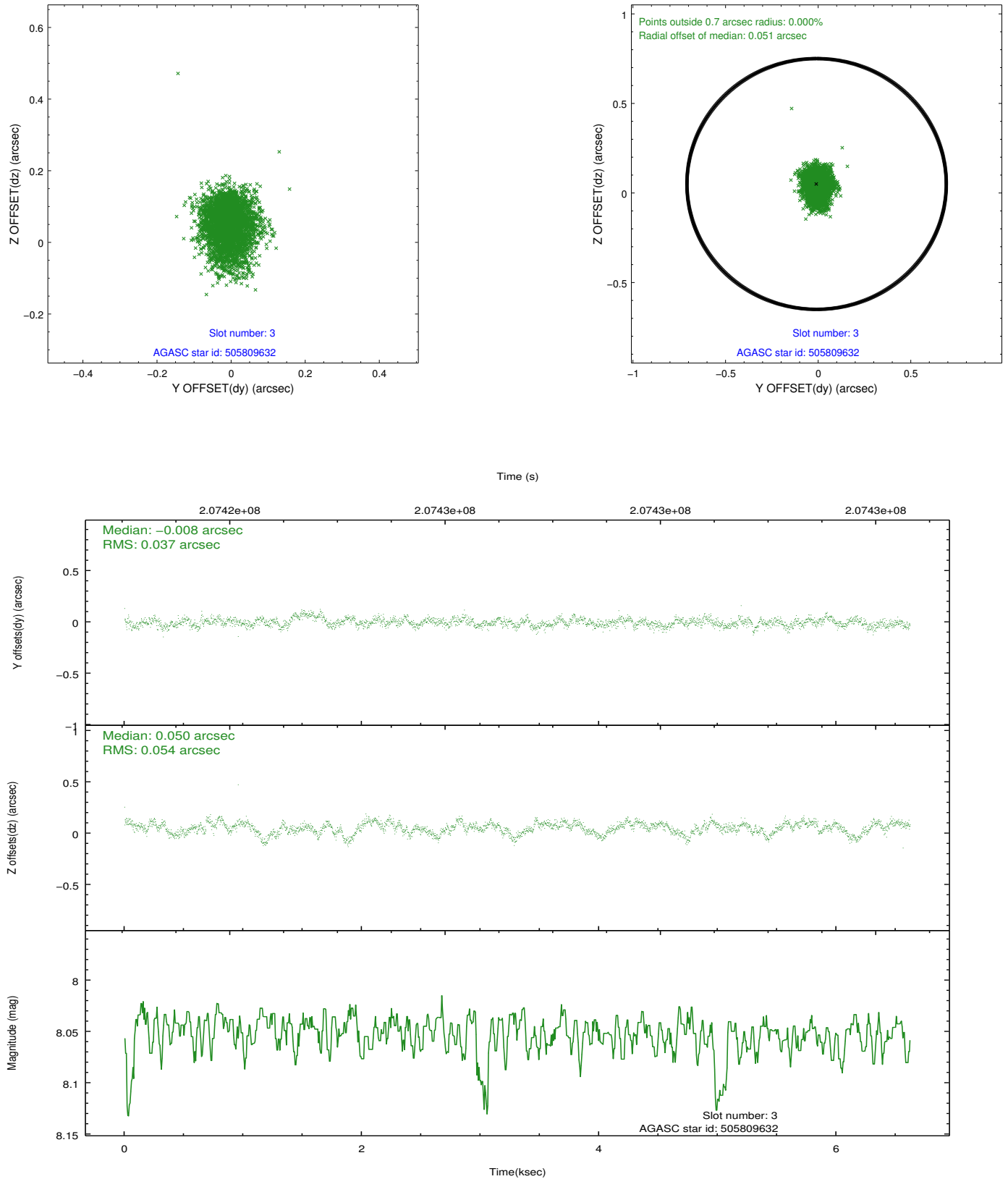


Slot Statistics

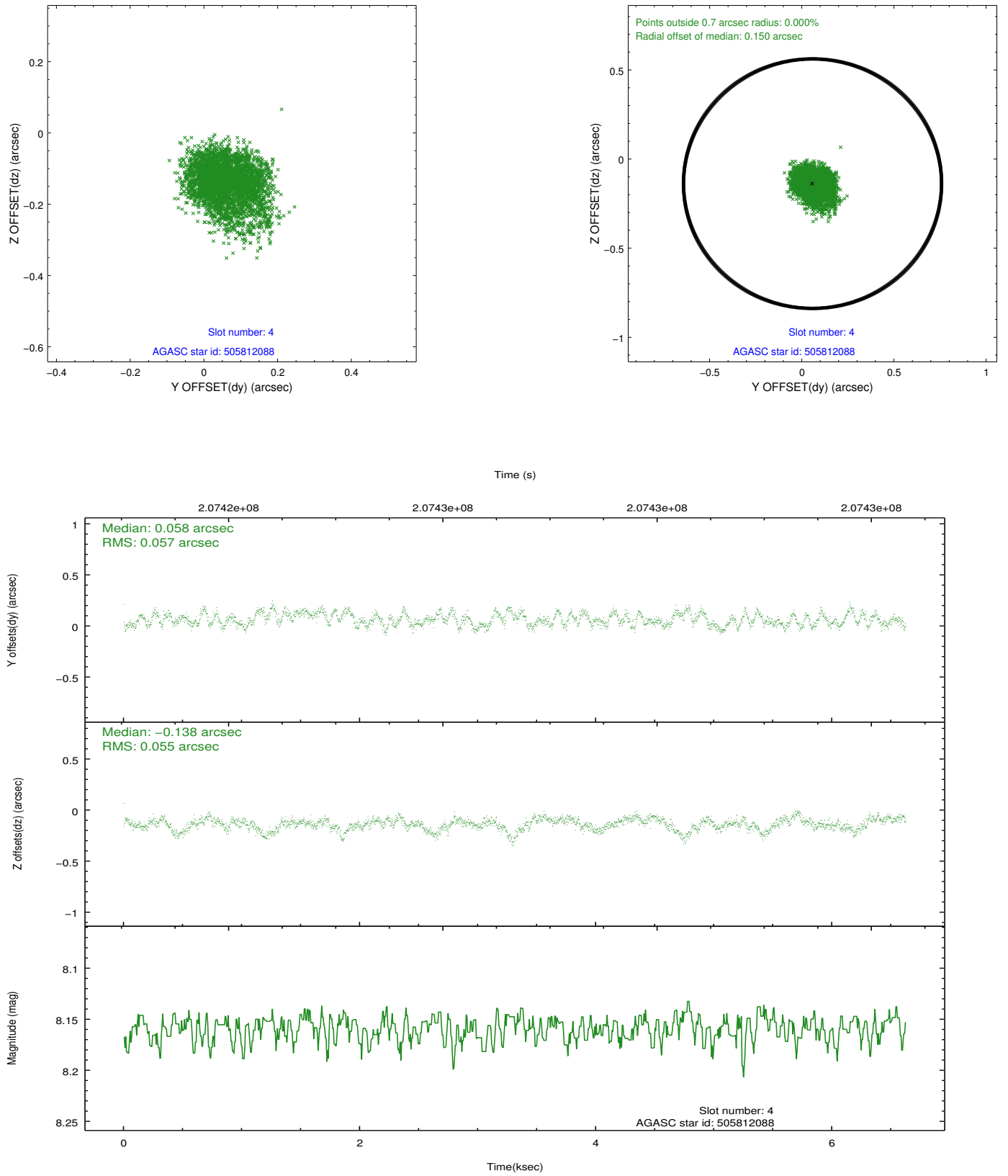
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1616	-0.060	-0.014	0.007	0.011	0.000000	0.000000	-758.87	-1732.35
1	FID	ACIS-S-4	7.20	1615	0.078	0.033	0.005	0.010	0.000000	0.000000	2154.13	175.30
2	FID	ACIS-S-5	7.23	1615	-0.050	-0.009	0.006	0.011	0.000000	0.000000	-1810.59	169.89
3	GUIDE	505809632	8.05	3230	-0.008	0.050	0.068	0.116	215.499426	53.521185	87.04	926.45
4	GUIDE	505812088	8.16	3228	0.058	-0.138	0.084	0.135	214.186617	53.263562	1433.79	-1717.24
5	GUIDE	505814560	7.42	3231	-0.134	0.012	0.064	0.101	215.720521	53.810357	-1016.63	1221.27
6	GUIDE	505815008	10.44	3156	0.019	-0.062	0.207	0.370	215.914204	53.713651	-742.57	1686.29
7	GUIDE	505817616	10.14	3216	0.058	0.082	0.231	0.494	216.040487	53.402541	316.27	2141.13

2.4 Star Slots

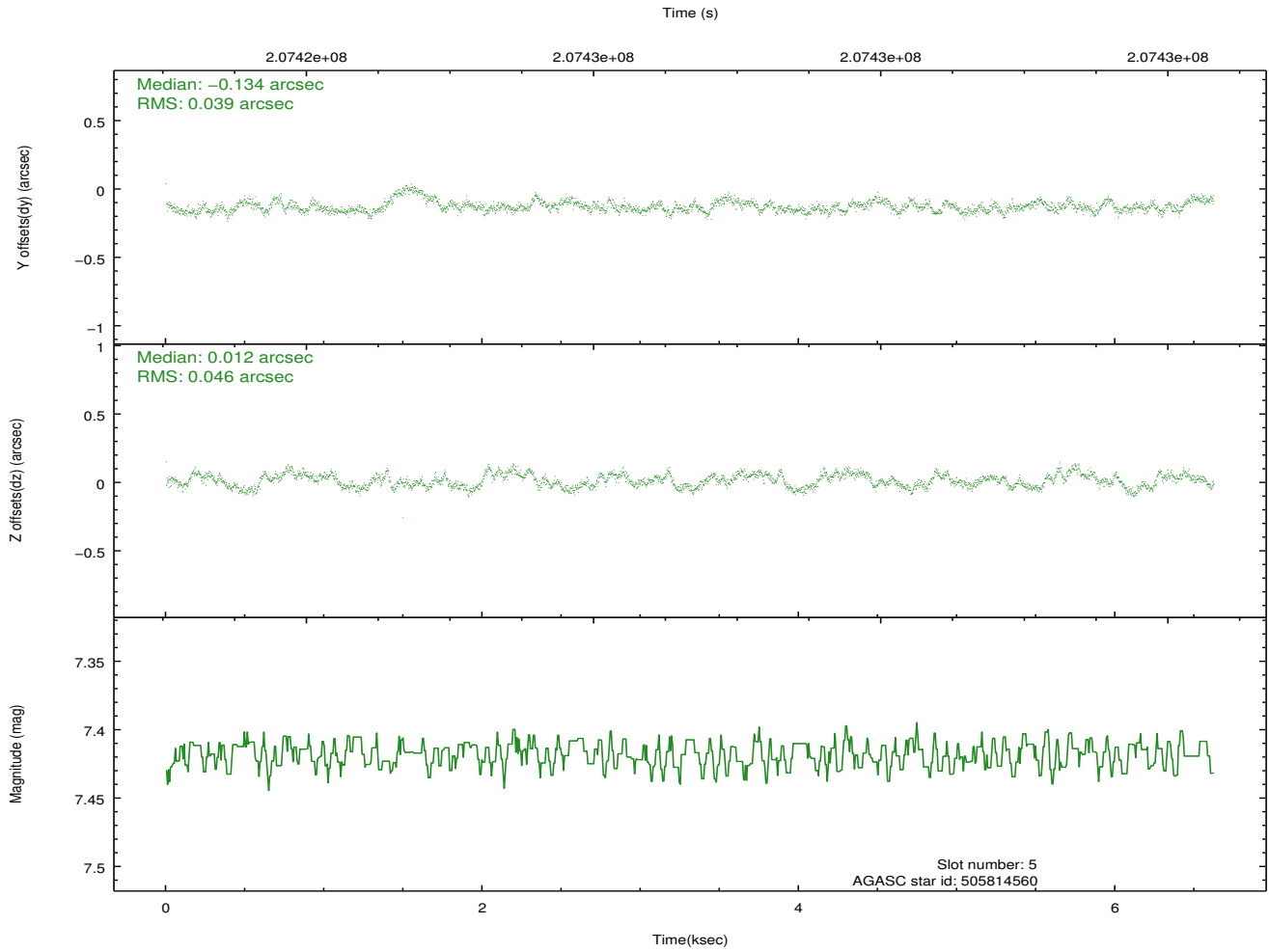
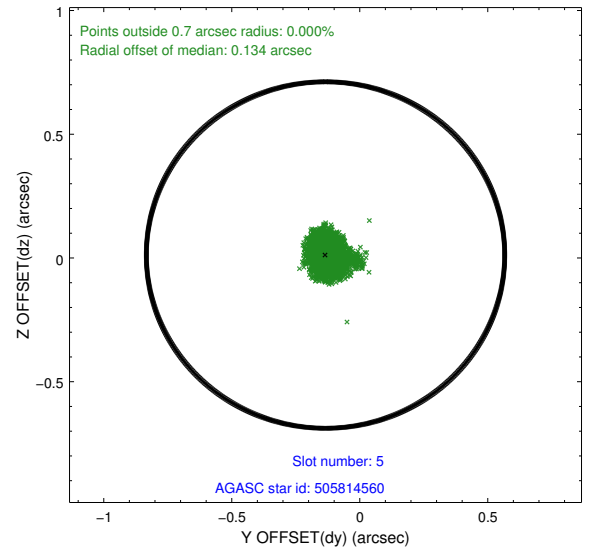
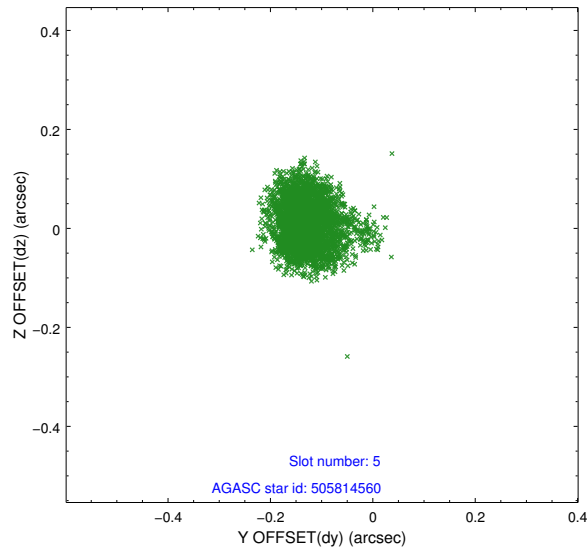
2.4.1 Slot 3



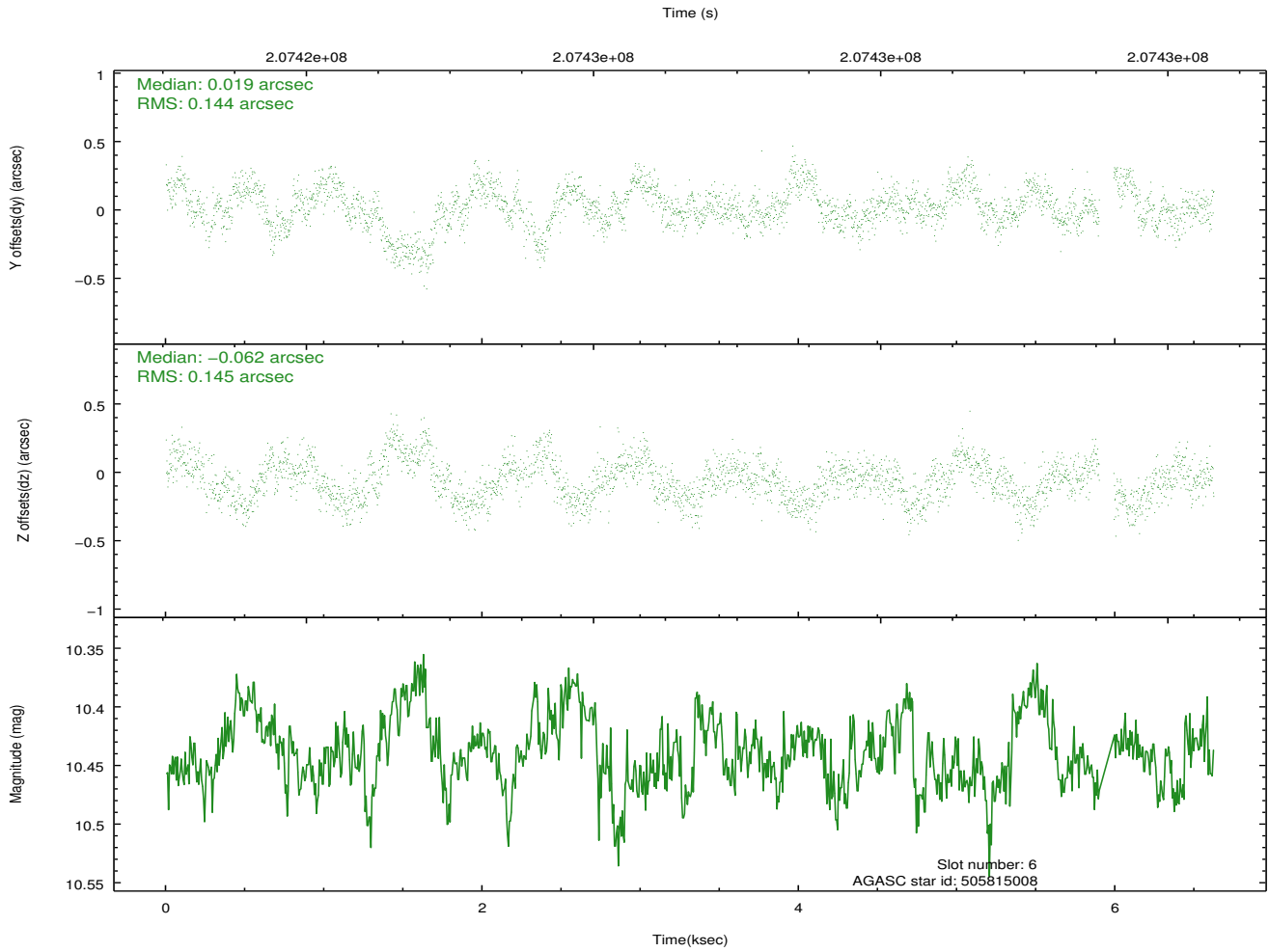
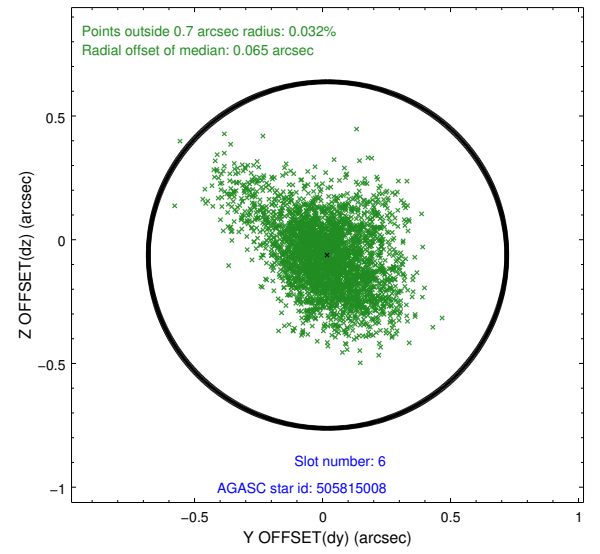
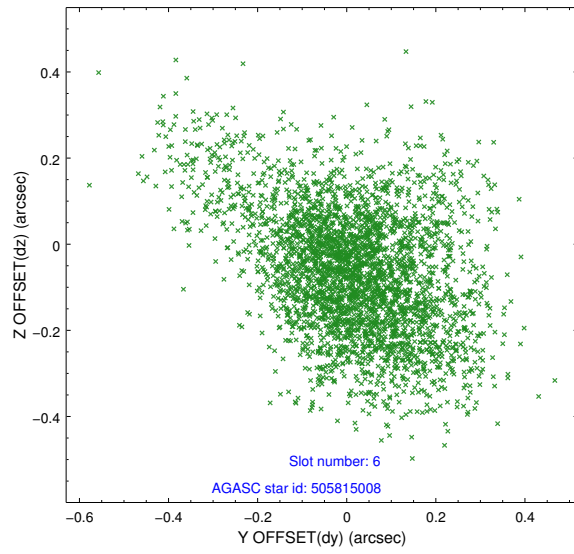
2.4.2 Slot 4



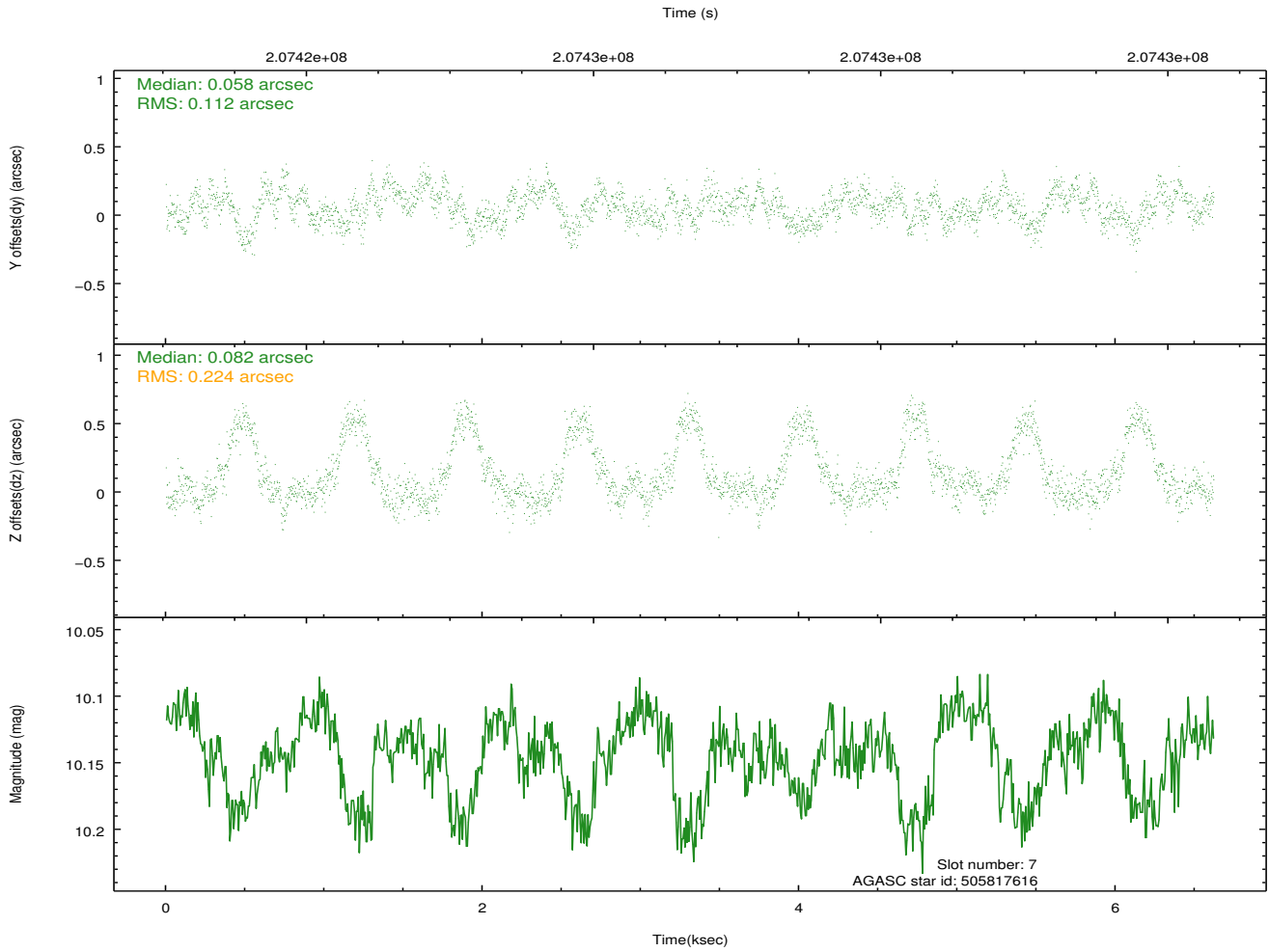
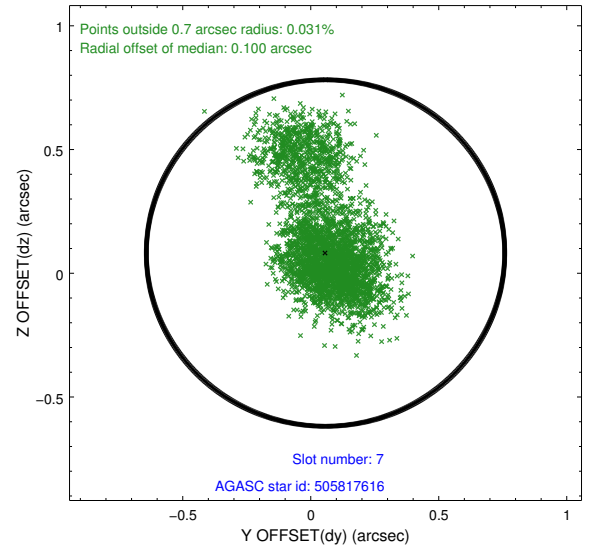
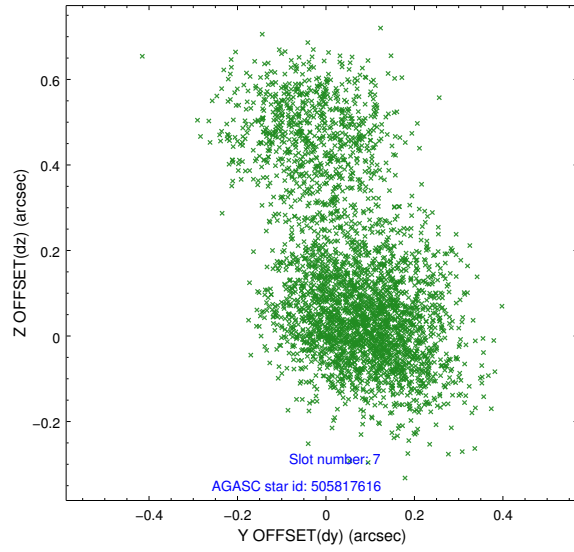
2.4.3 Slot 5



2.4.4 Slot 6

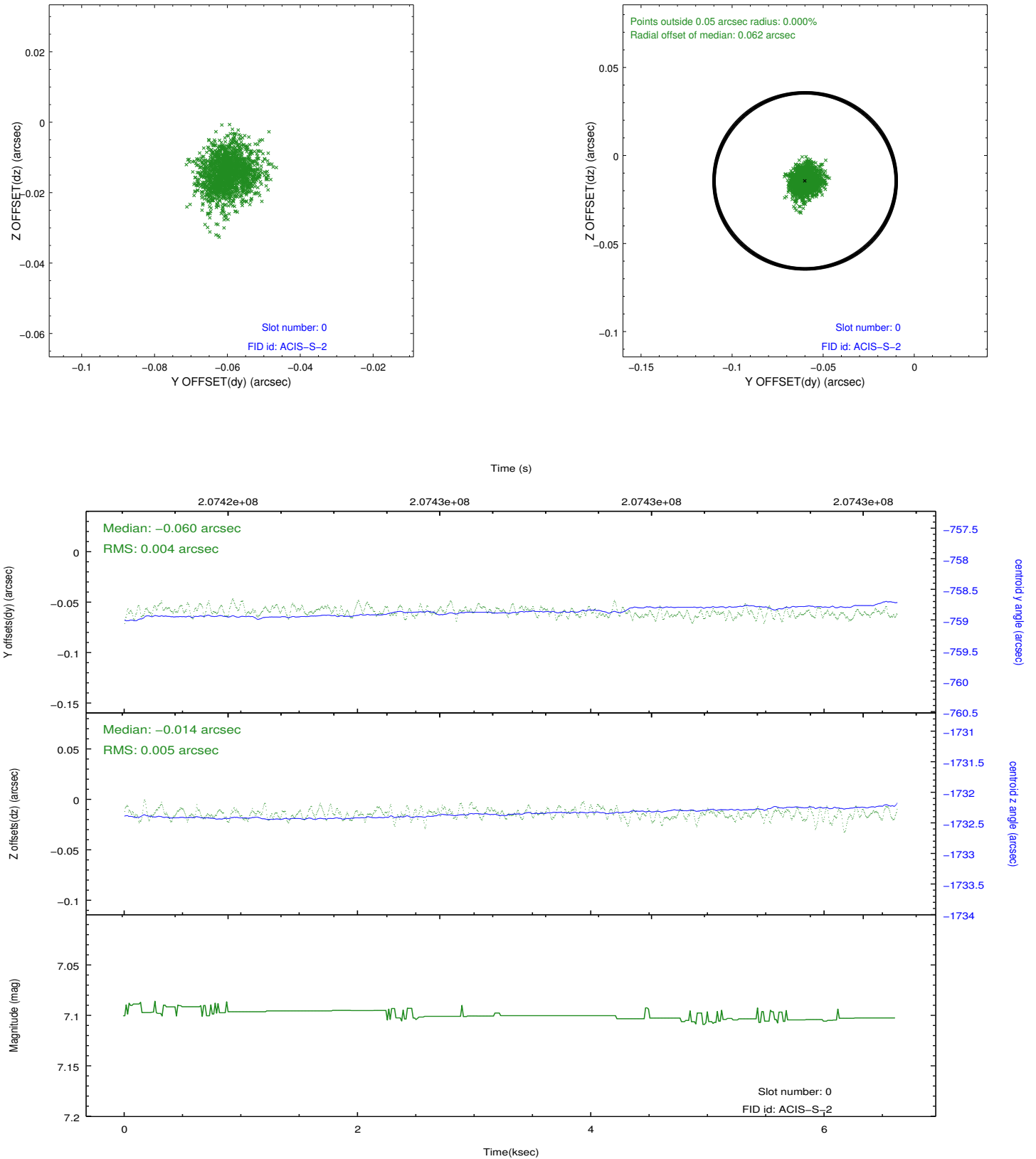


2.4.5 Slot 7

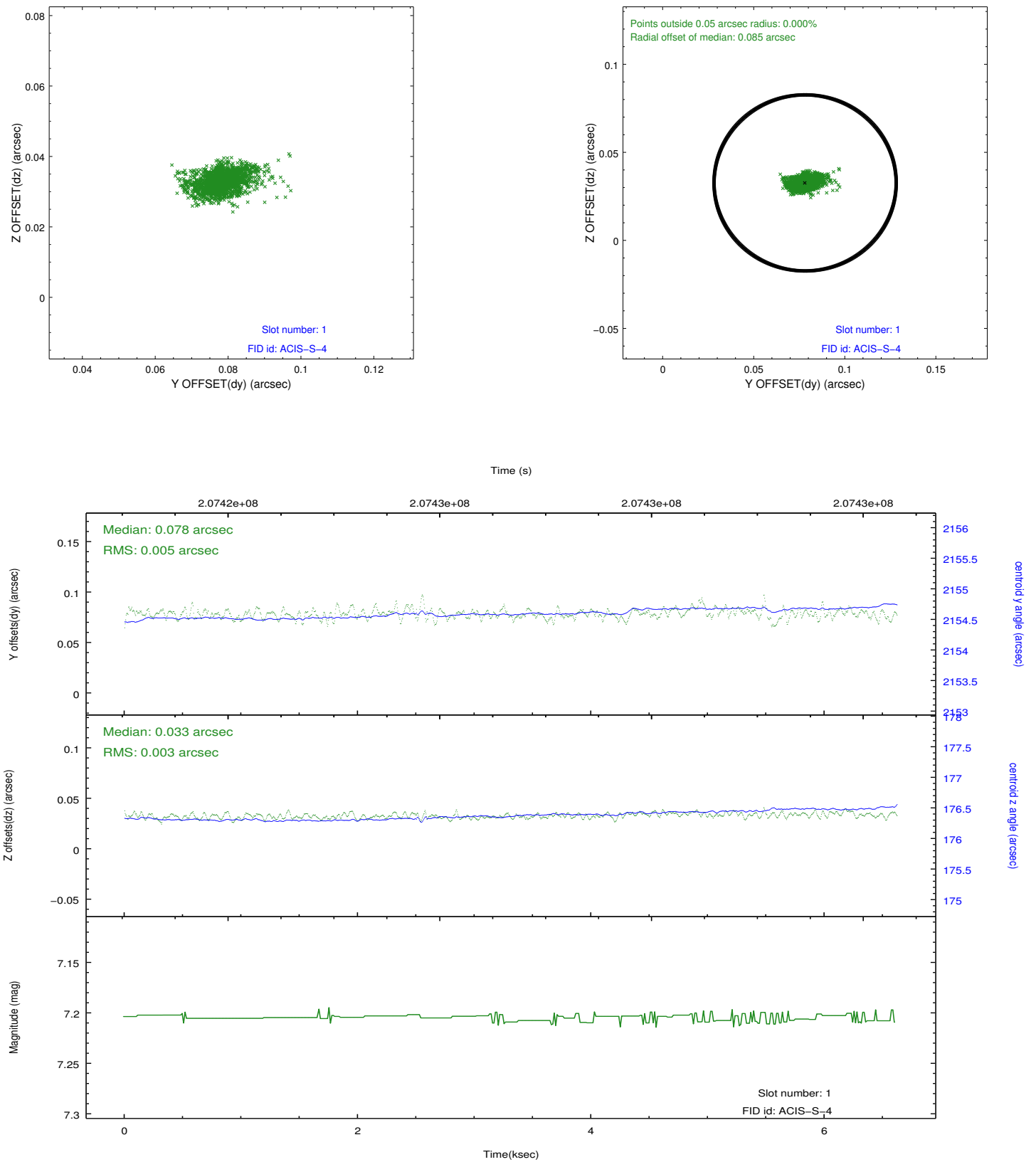


2.5 FID Slots

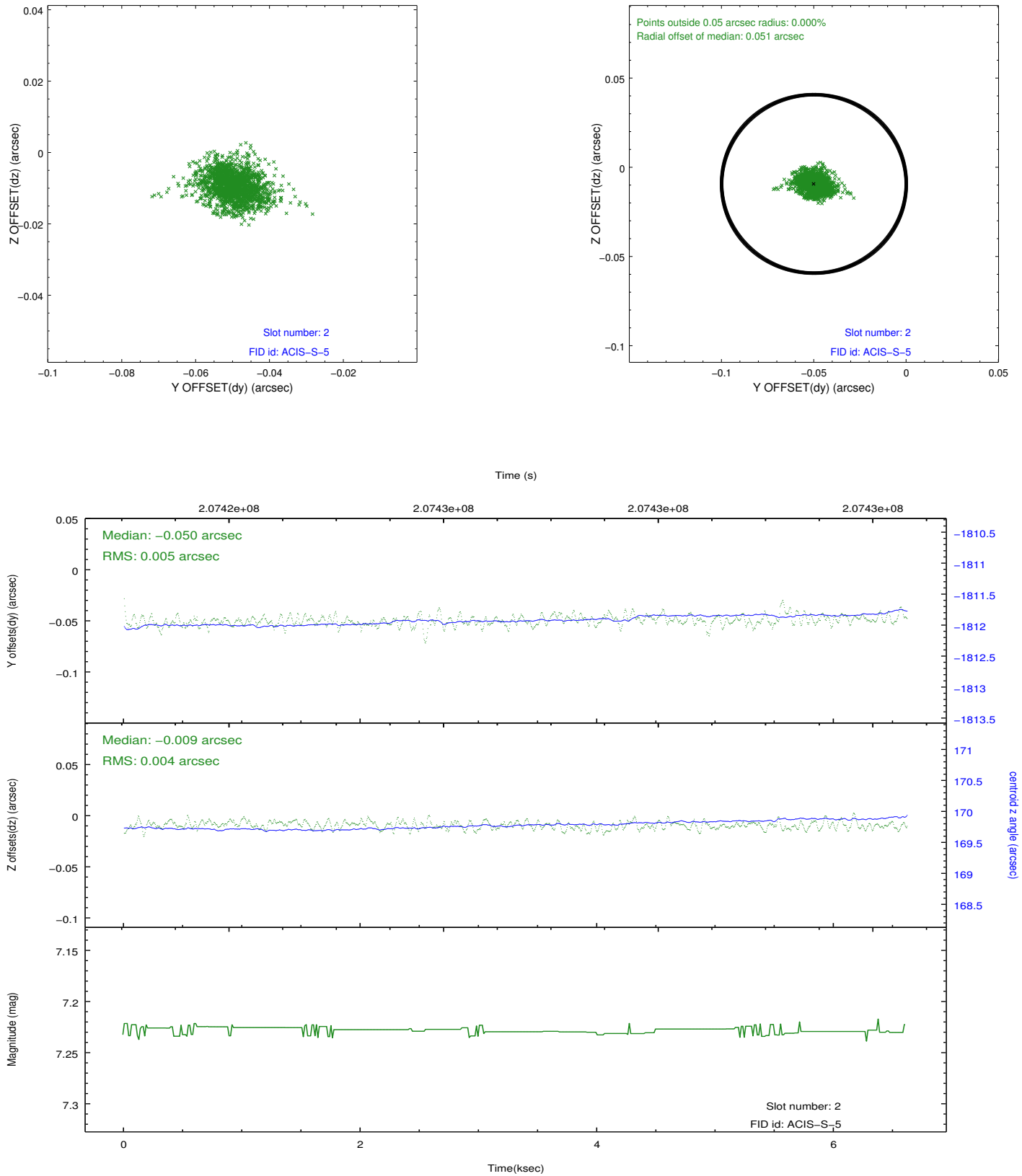
2.5.1 Slot 0



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)	2013.02.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.582

A.2 Comments

Charge time for this ObsId remains at previous value of 6.582 ks although with the current processing the charge time would have been 6.55 ksec.

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This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2004:210:19:28. Due to a high radiation environment, the instruments were safed and the observation terminated early. This observation has been reprocessed so that the aspect solution correctly handles the instrument safing and maneuver activities at the end of the observation.