

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6437 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Apr 5 2012

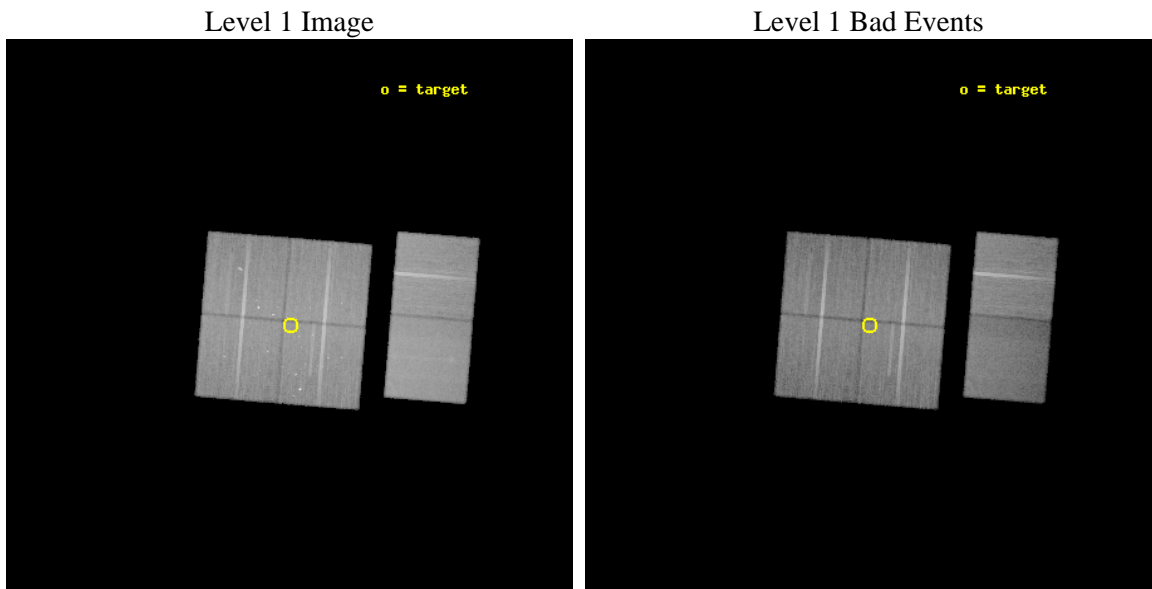
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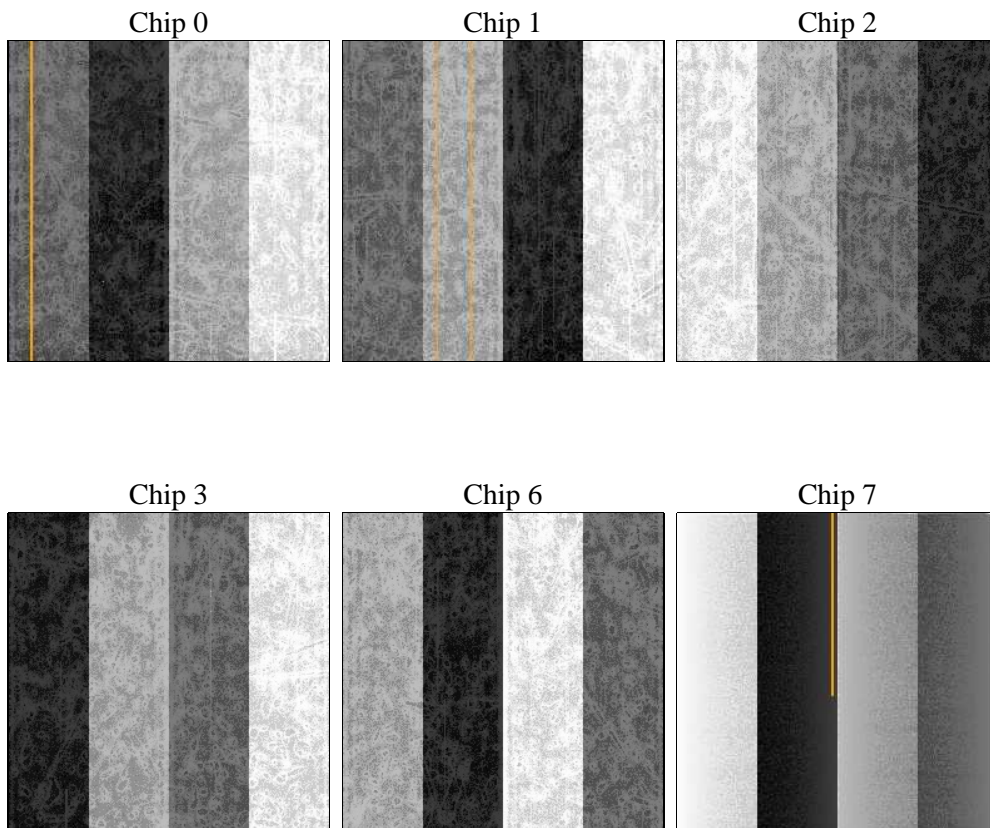
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40121.55900979	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	40124.799850583	Sum of GTIs [s]
date	2012-04-05T11:49:58	Date and time of file creation	ontime1	40121.55900979	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40124.799850583	Sum of GTIs [s]
			ontime3	40121.55900979	Sum of GTIs [s]
			ontime6	40121.558890283	Sum of GTIs [s]
			ontime7	40124.799850583	Sum of GTIs [s]
			l1events	1718894	Number of level 1 events

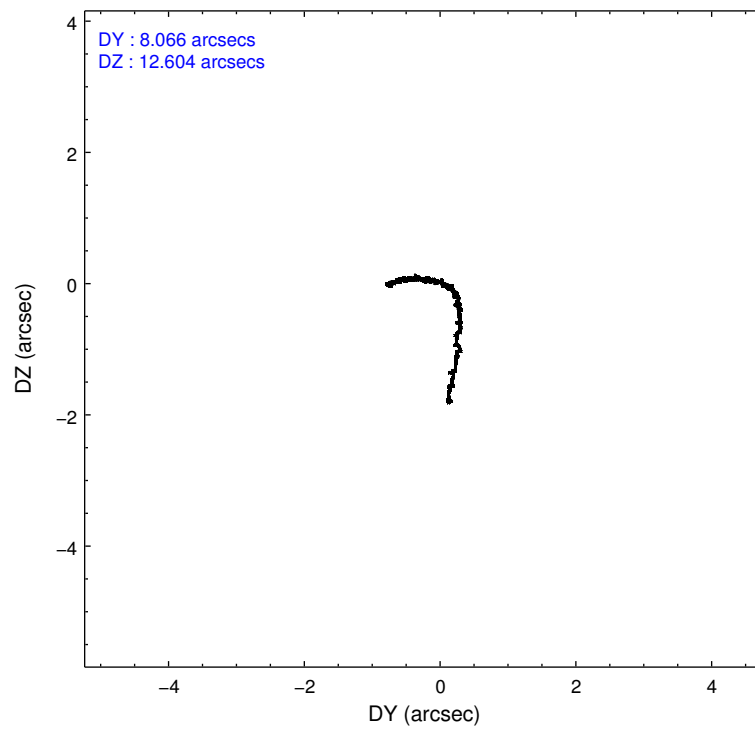
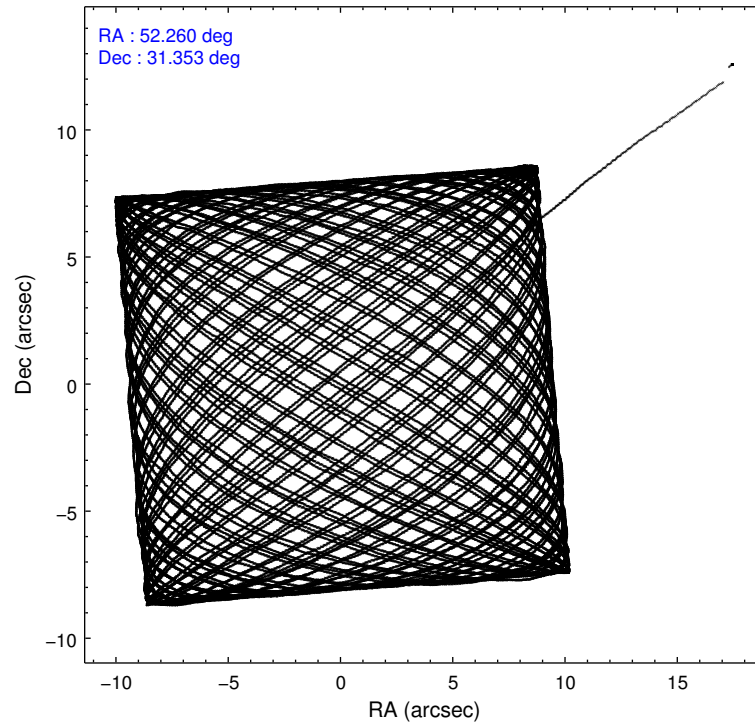
2.1.4 Events

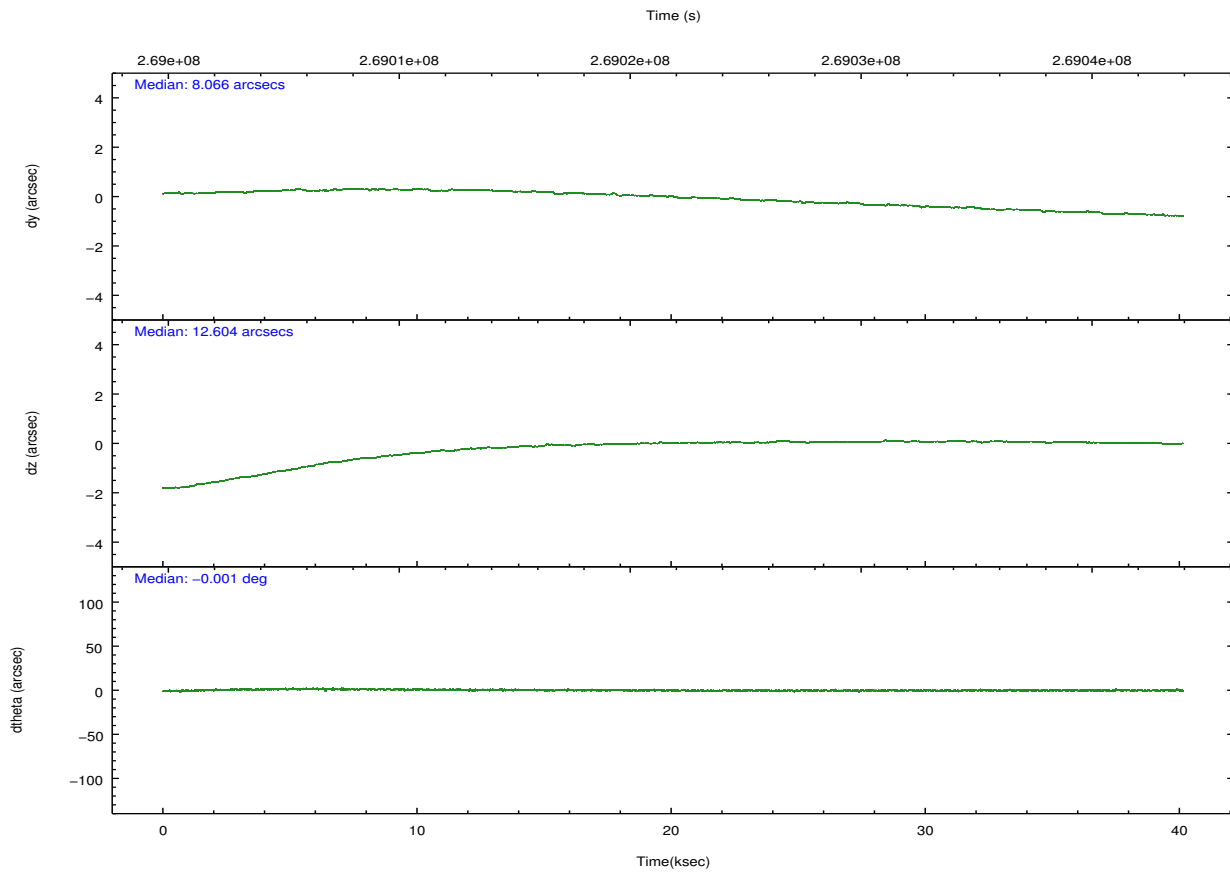
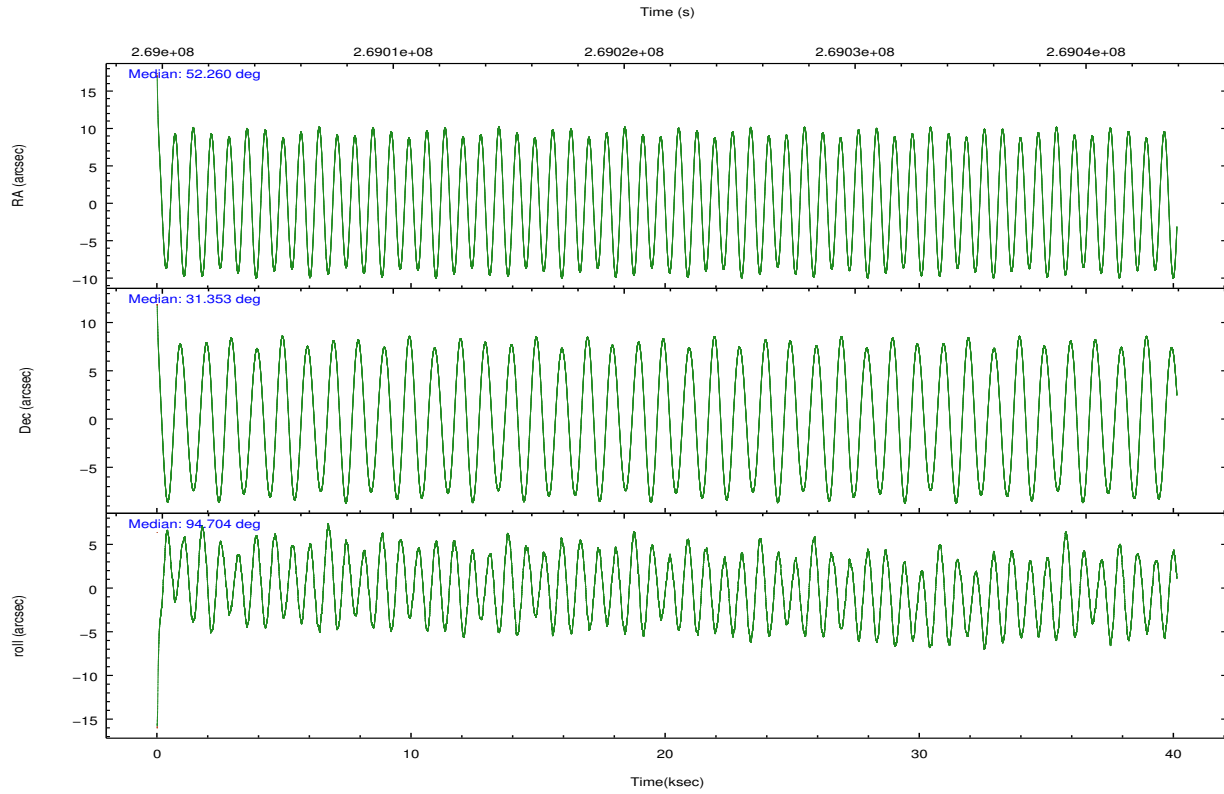
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	268641	262318	293619	283924	297020	313372	grade 0 events	14583	12395	10317	14587	10068	12780
rejected events	235260	230016	265814	251457	267896	171682		5%	4%	3%	5%	3%	4%
rejected %	87%	87%	90%	88%	90%	54%	grade 1 events	195	148	145	191	145	307
								0%	0%	0%	0%	0%	0%
							grade 2 events	7199	7044	6602	6334	6483	29199
								2%	2%	2%	2%	2%	9%
							grade 3 events	3320	3431	2986	3274	3231	13303
								1%	1%	1%	1%	1%	4%
							grade 4 events	3205	3398	3086	3167	3225	13267
								1%	1%	1%	1%	1%	4%
							grade 5 events	9344	10679	9082	11343	11718	33004
								3%	4%	3%	3%	3%	10%
							grade 6 events	5316	6275	5010	5333	6321	74207
								1%	2%	1%	1%	2%	23%
							grade 7 events	225479	218948	256391	239695	255829	137305
								83%	83%	87%	84%	86%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	52.278398	52.26002830412705	Subarray requested	NONE	NONE
[deg] Pointing Dec	31.330285	31.35275698239397	Alternating exposures requested	N	N
[deg] Pointing Roll	94.489563	94.70780417652925	[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)	269001933.184000	269000743.2363			
Observation start date	2006-07-11T10:44:28	2006-07-11T10:25:43			
[s] Observation end time (MET)	269041933.184000	269042880.98827			
Observation end date	2006-07-11T21:51:08	2006-07-11T22:08:00			
Read mode	TIMED	TIMED			

2.3 Aspect



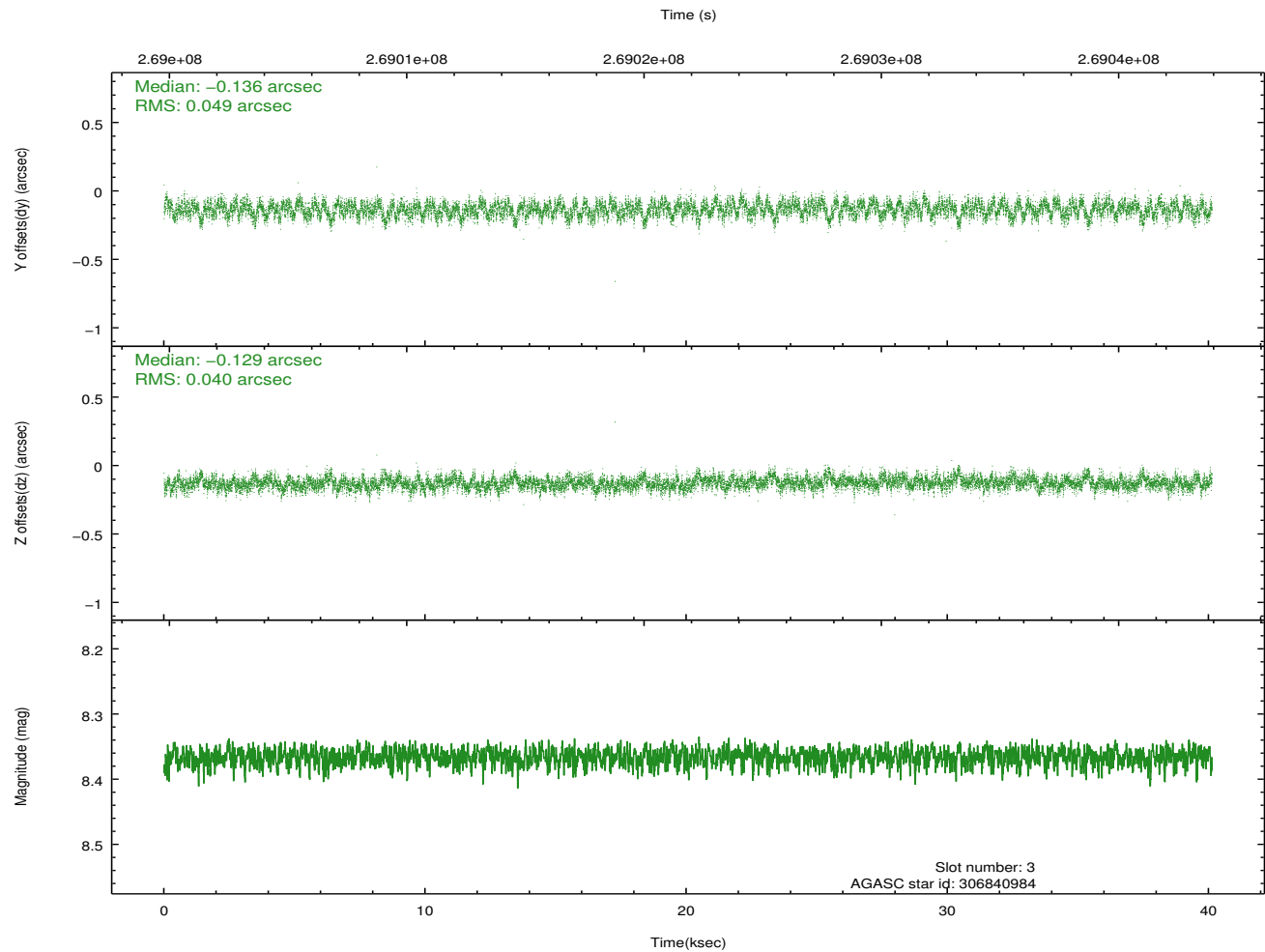
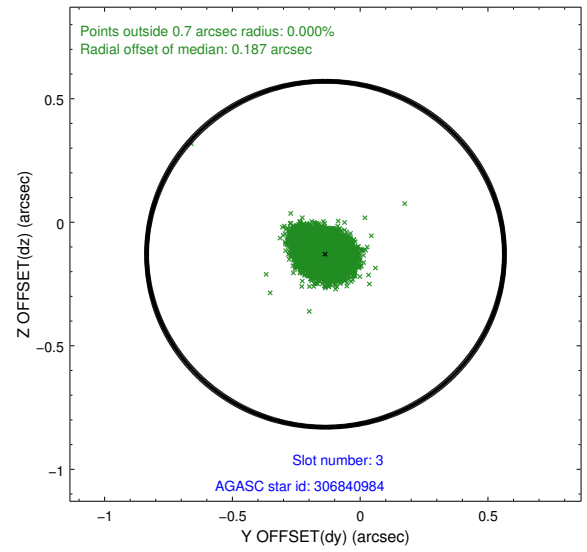
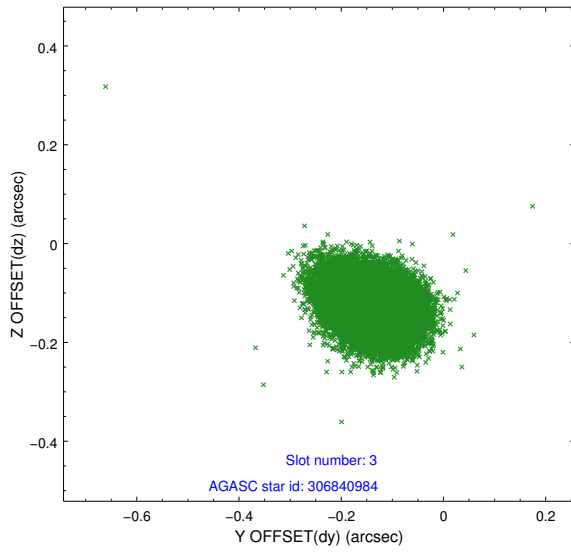


Slot Statistics

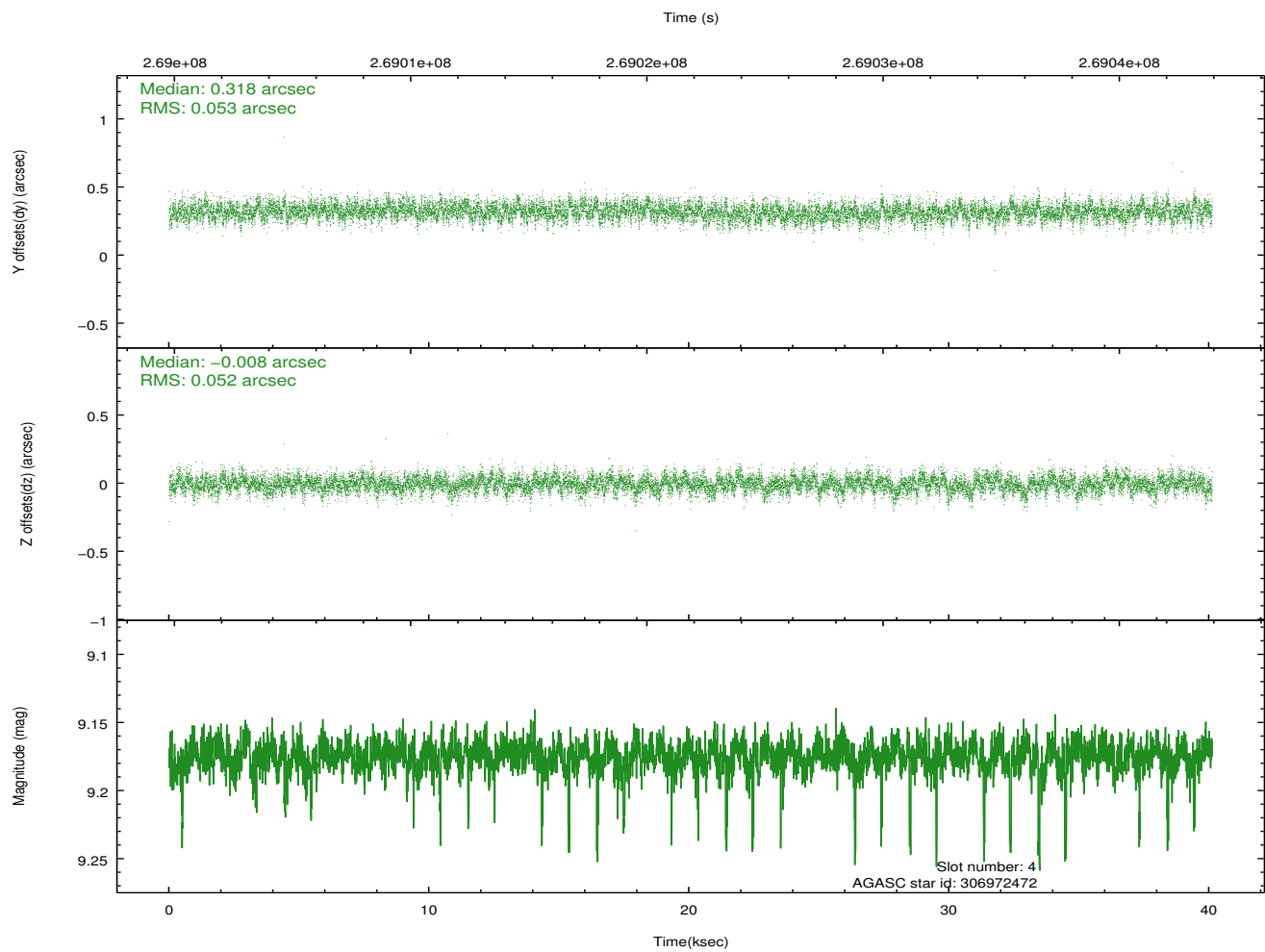
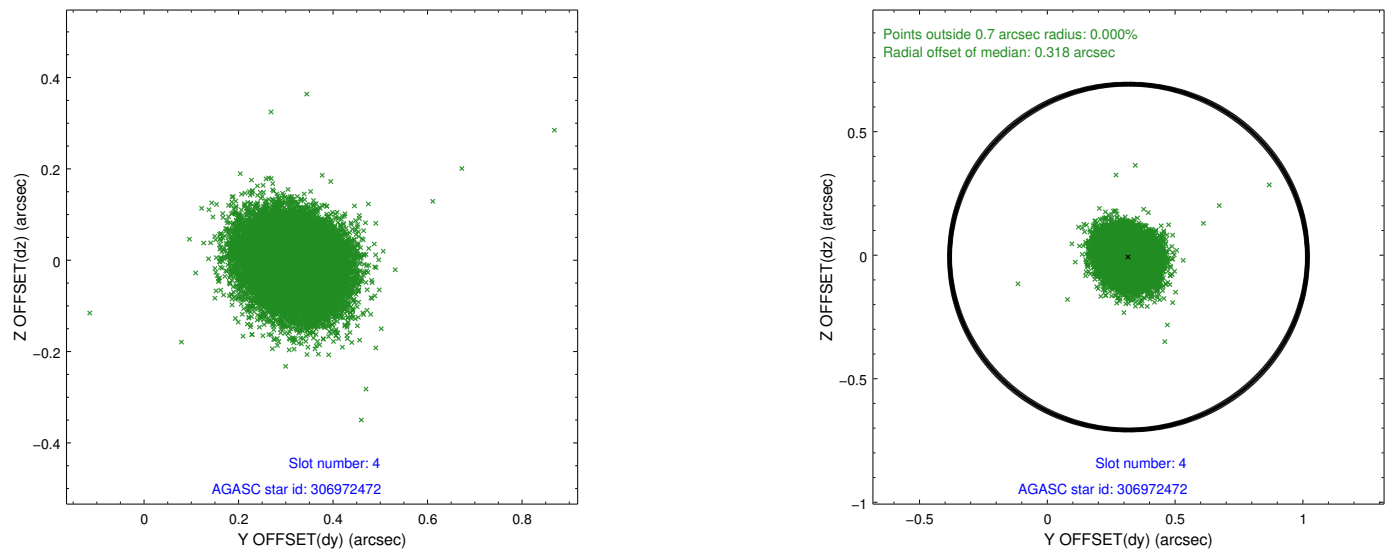
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9787	0.046	-0.027	0.014	0.030	0.000000	0.000000	931.73	-835.90
1	FID	ACIS-I-5	7.23	9787	-0.181	0.057	0.014	0.024	0.000000	0.000000	-1816.58	1061.70
2	FID	ACIS-I-6	7.24	9787	0.043	0.040	0.015	0.034	0.000000	0.000000	397.28	1706.18
3	GUIDE	306840984	8.37	19572	-0.136	-0.129	0.067	0.109	51.627952	31.821582	1924.82	1844.73
4	GUIDE	306972472	9.18	19516	0.318	-0.008	0.079	0.129	51.872030	30.721015	-2085.56	1425.22
5	GUIDE	306972576	8.70	19571	-0.098	-0.091	0.074	0.115	51.922068	31.396670	325.46	1072.87
6	GUIDE	306974976	9.64	19557	-0.003	0.273	0.102	0.167	52.769116	31.792982	1546.68	-1627.28
7	GUIDE	307505520	9.27	19563	-0.080	-0.047	0.094	0.149	52.061709	31.914080	2147.84	495.64

2.4 Star Slots

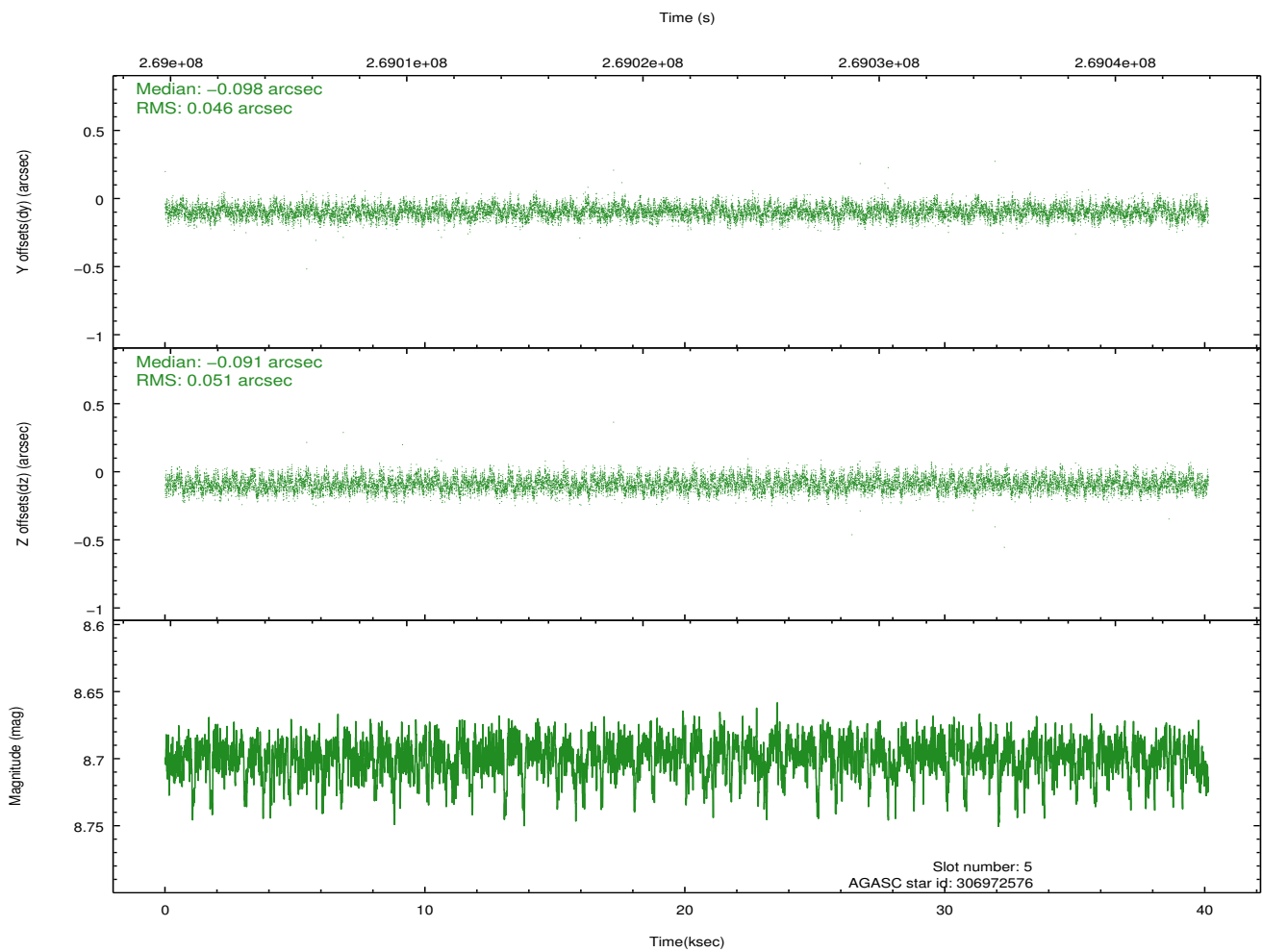
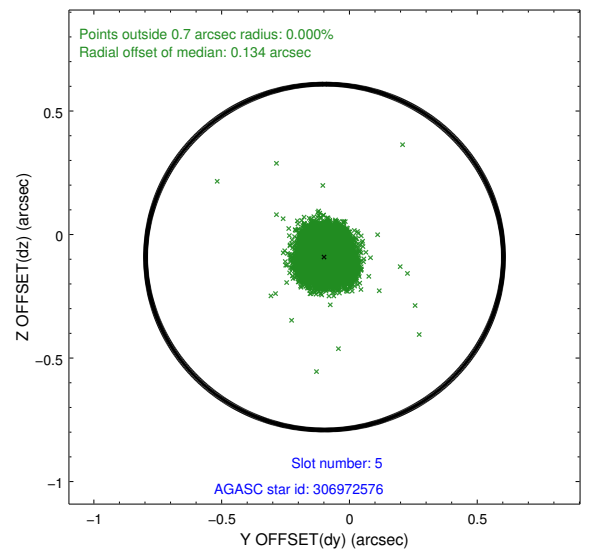
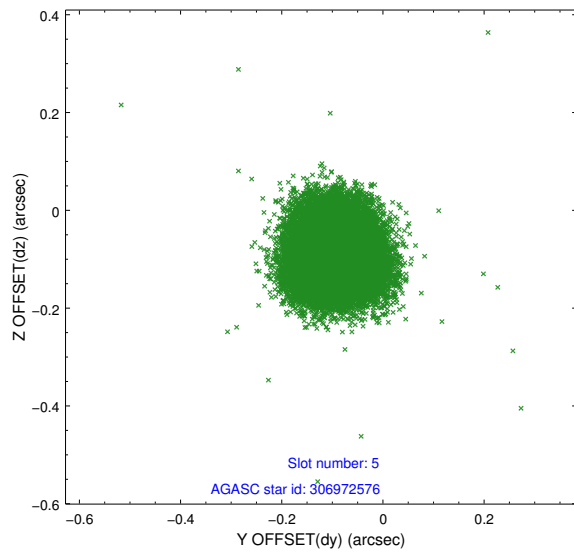
2.4.1 Slot 3



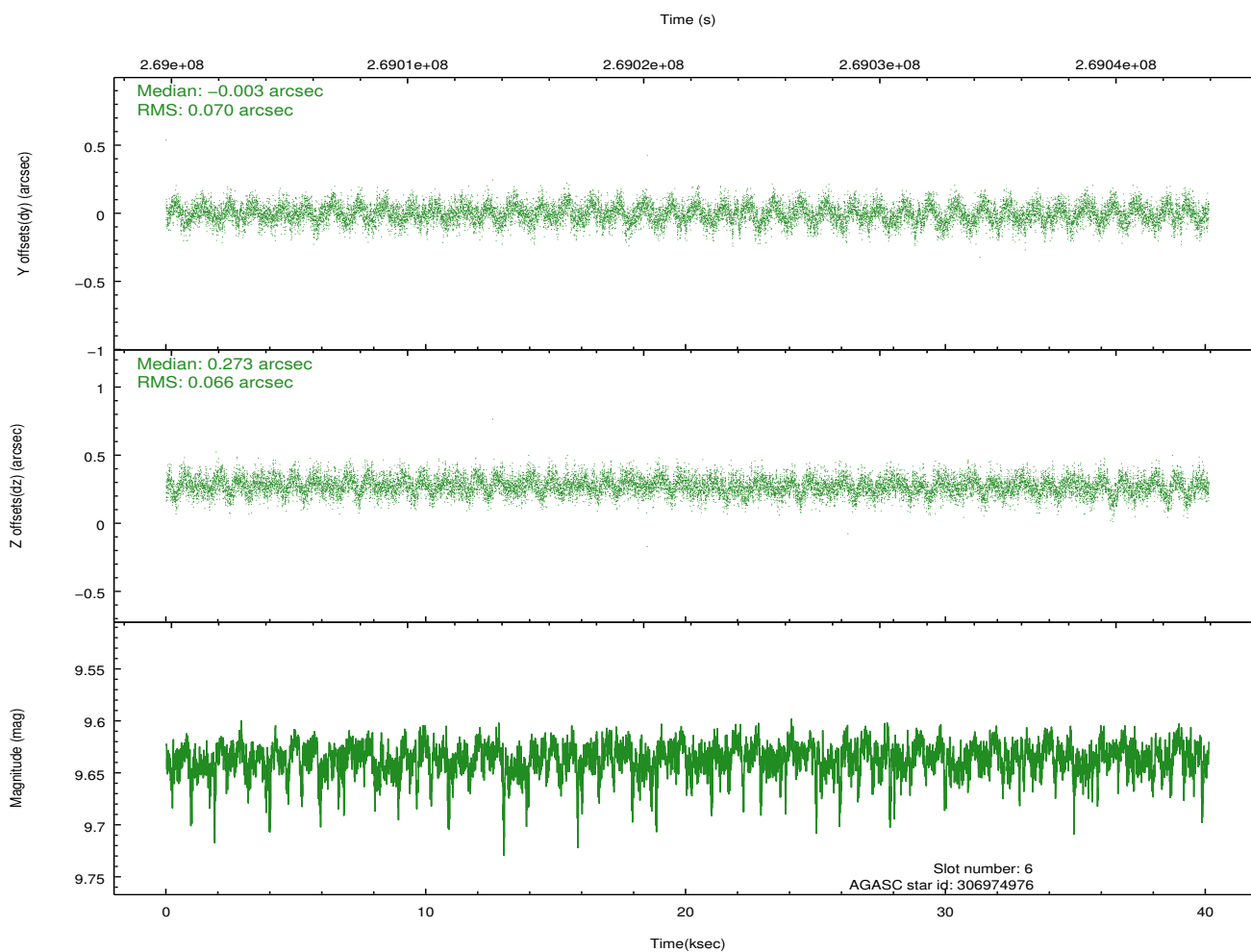
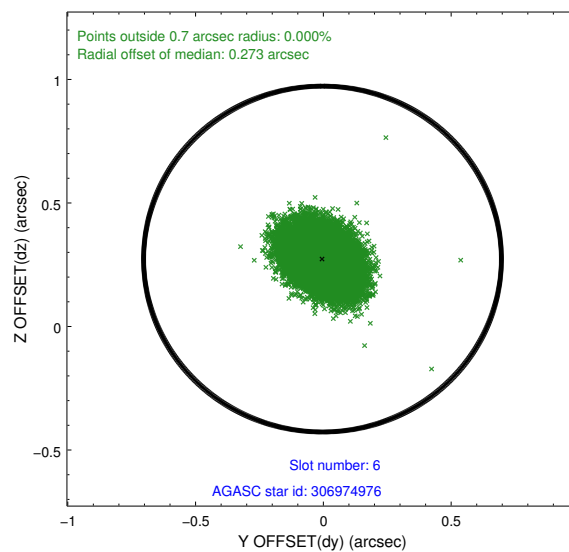
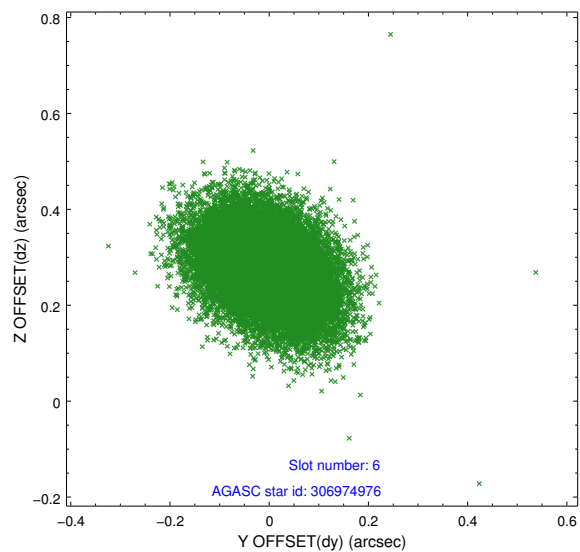
2.4.2 Slot 4



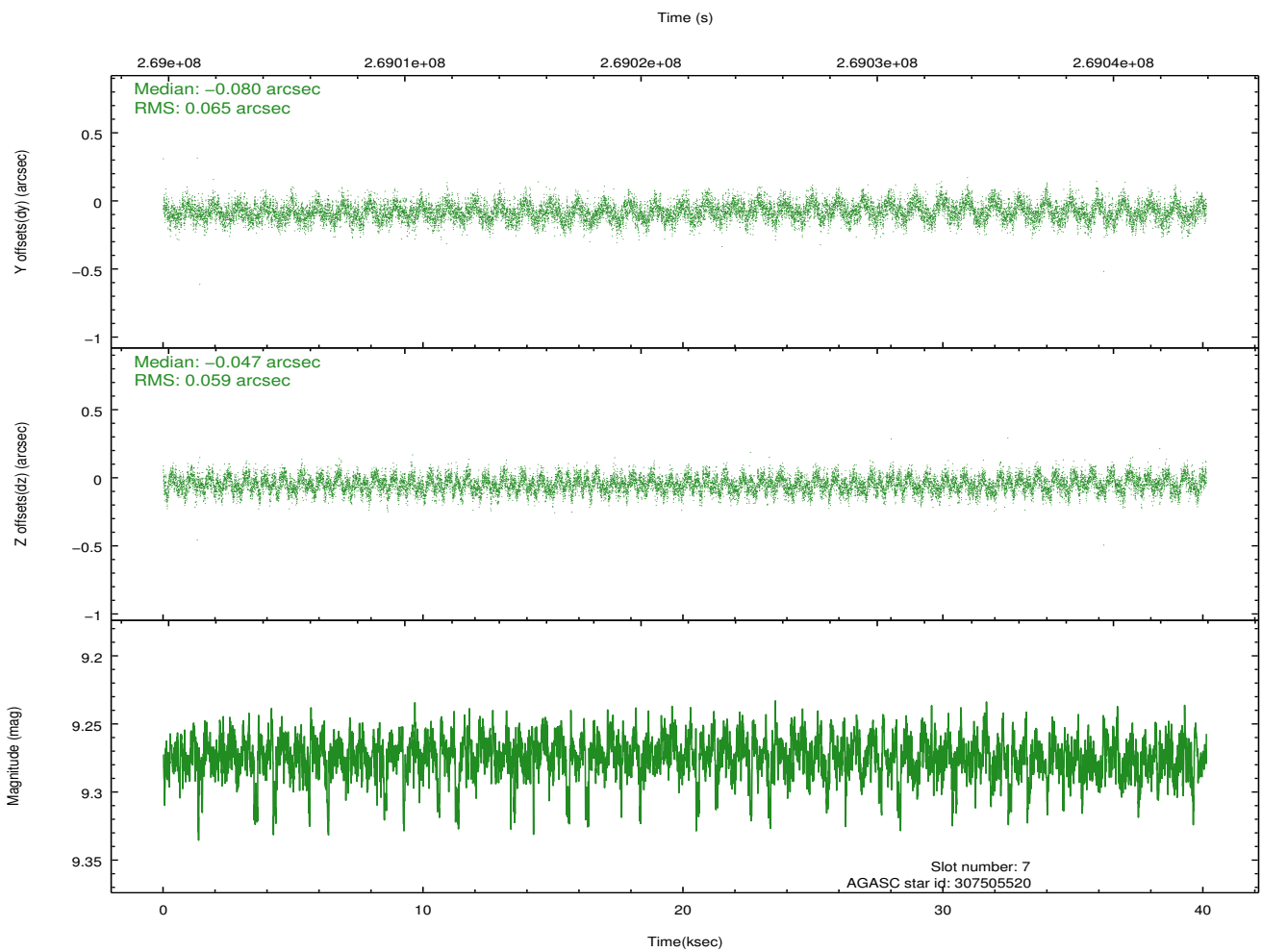
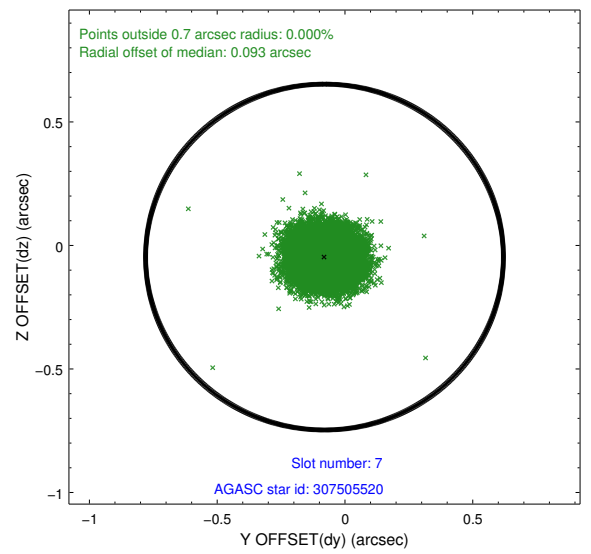
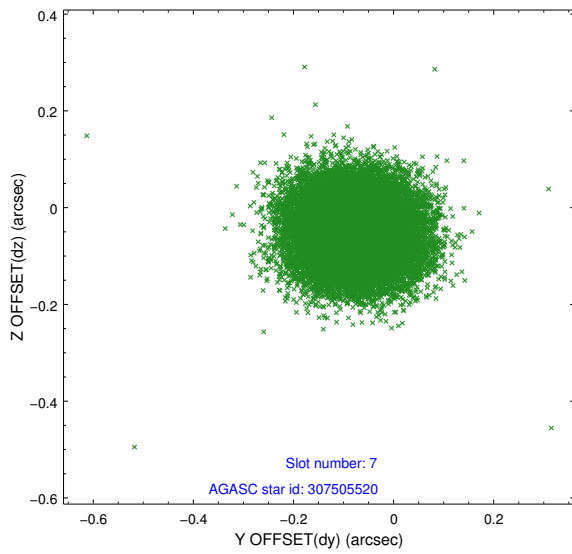
2.4.3 Slot 5



2.4.4 Slot 6

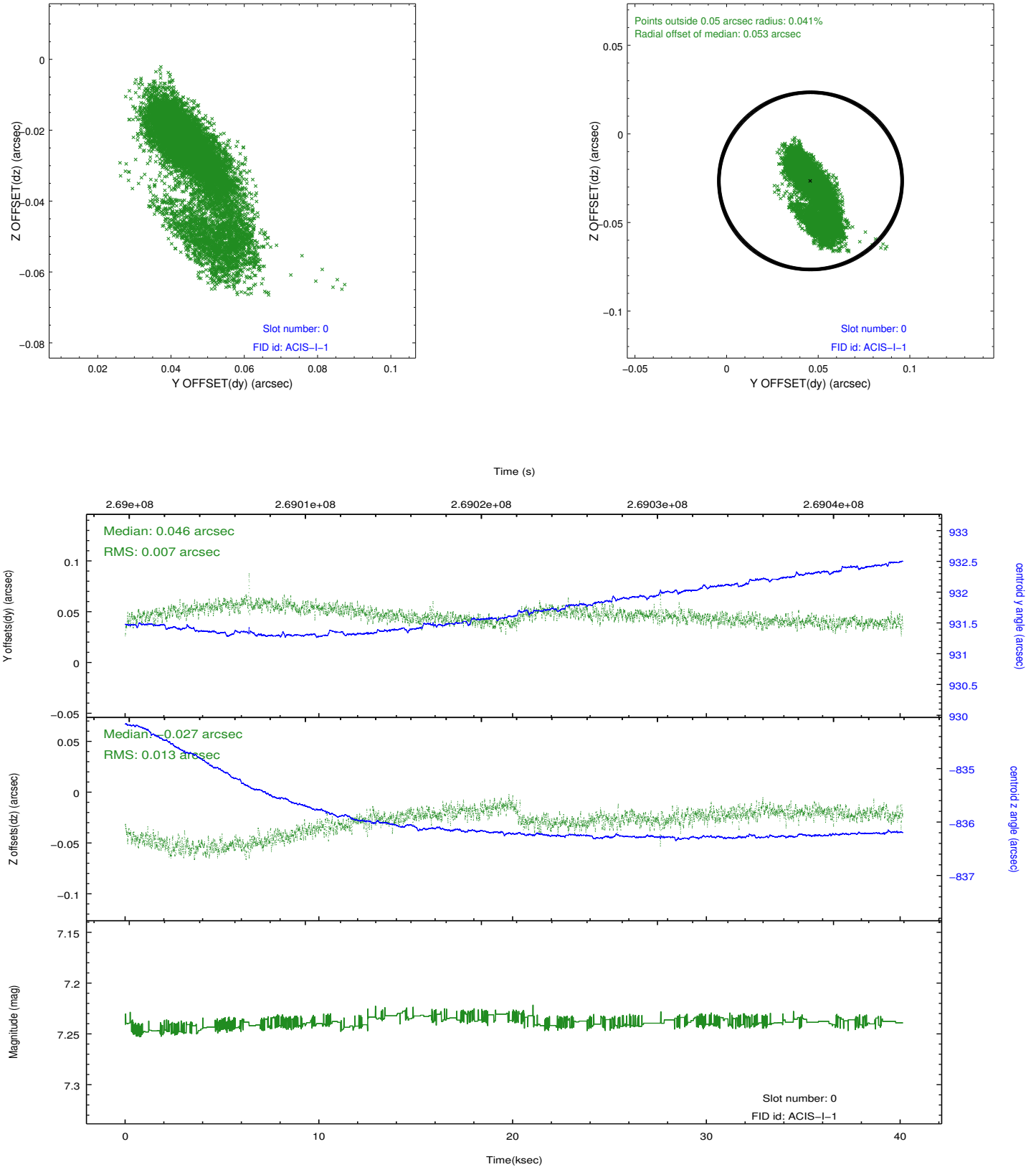


2.4.5 Slot 7

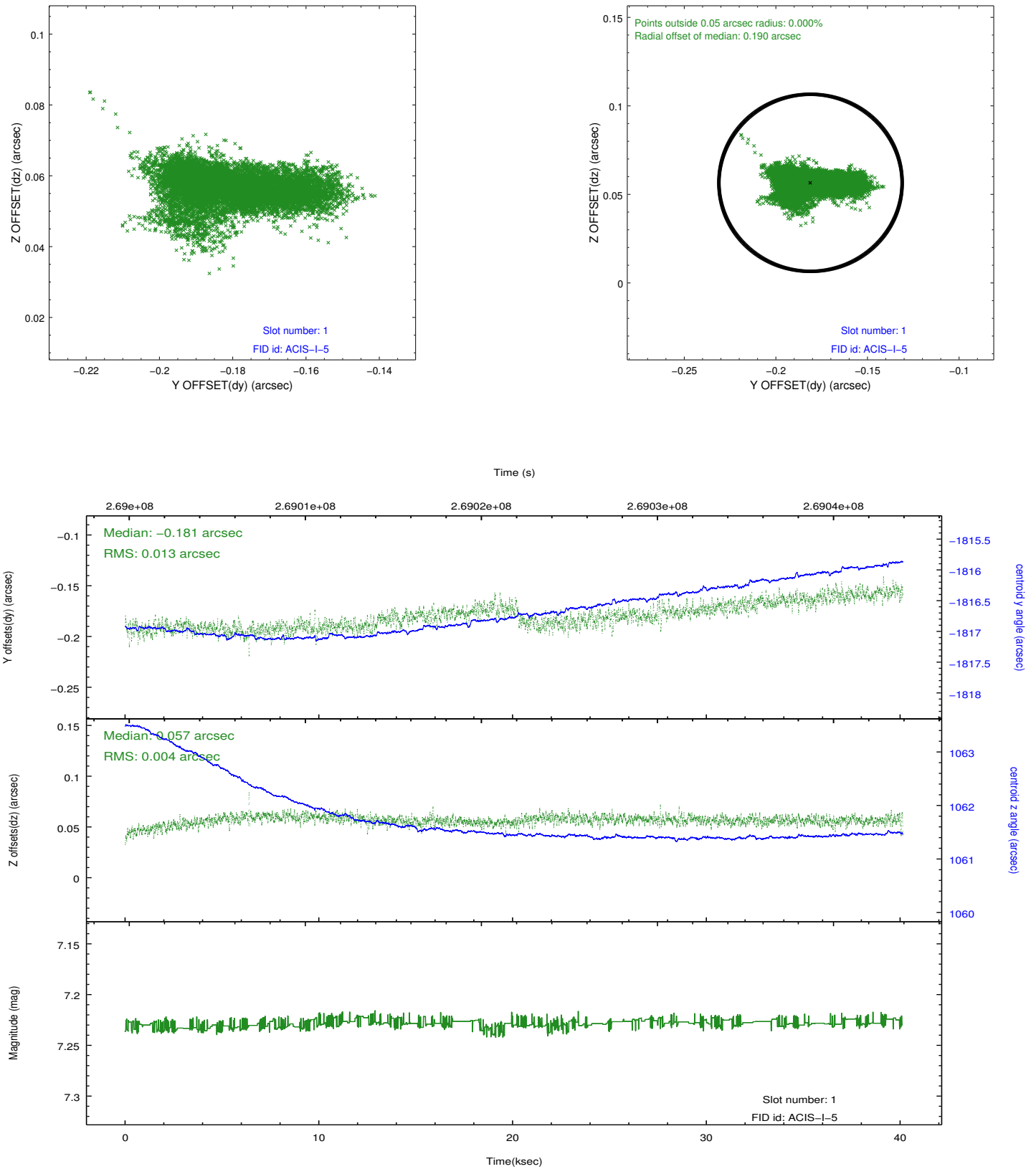


2.5 FID Slots

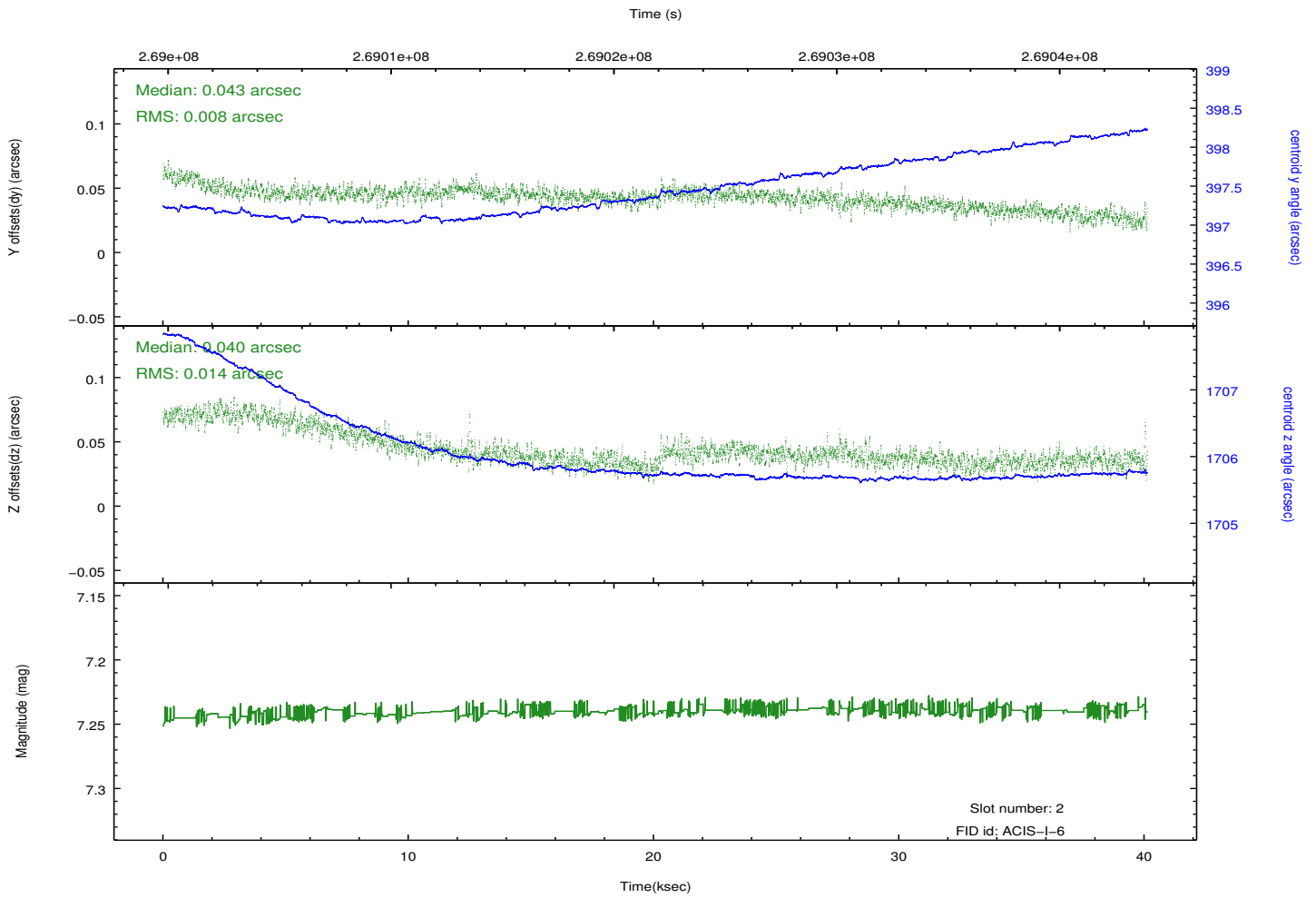
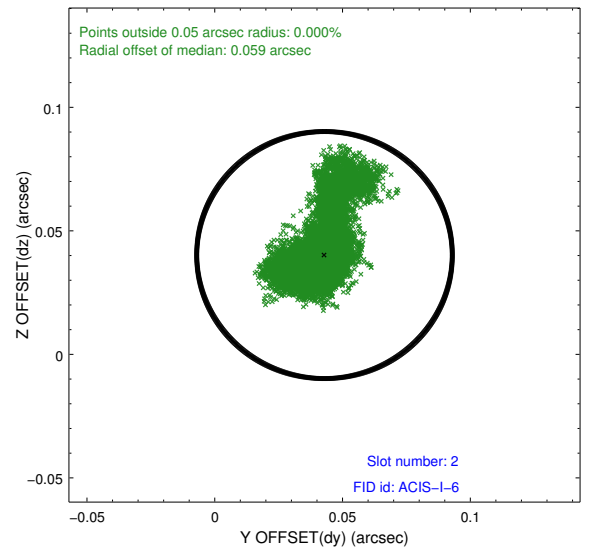
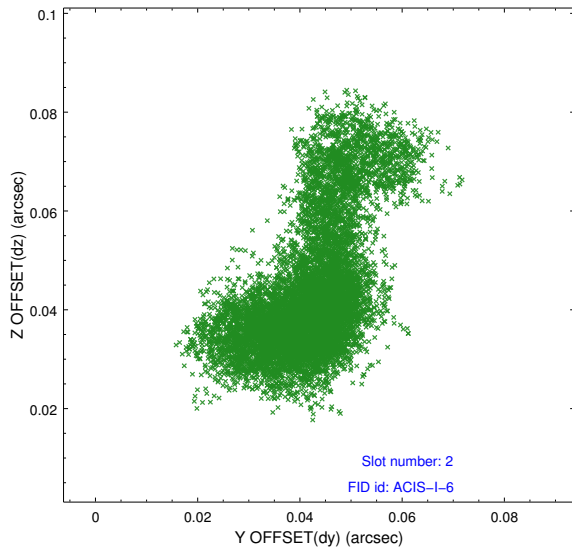
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.121559

A.2 Comments