

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6947 - L2 Version 2
Chandra X-Ray Center

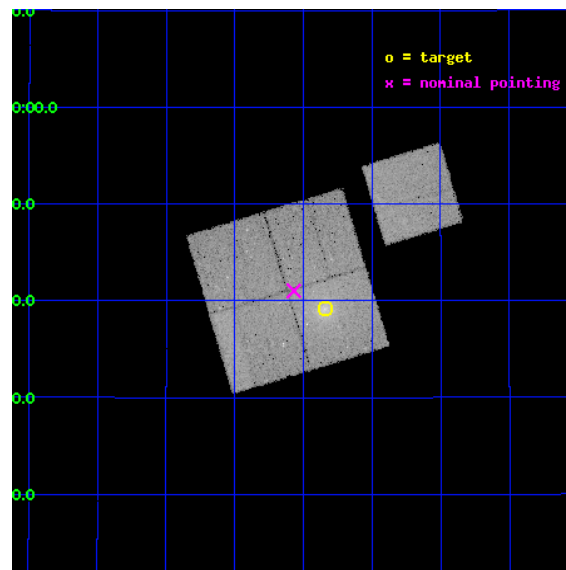
L2 Processing Date : Apr 12 2012

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1 Front

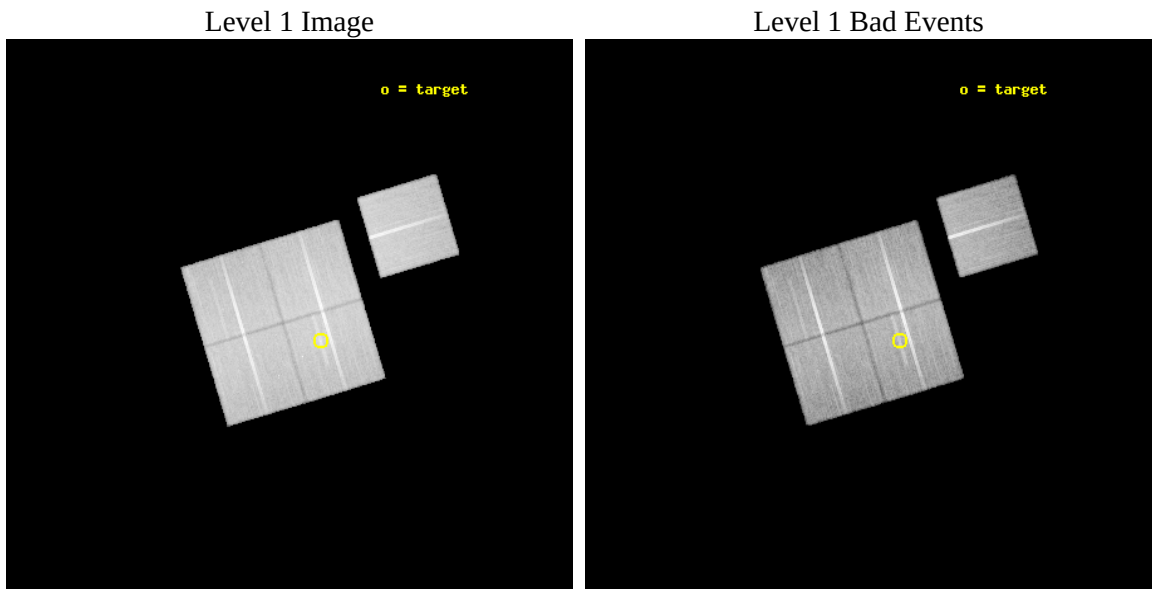
seq_num	800580	Sequence number
obs_id	6947	Observation id
title	ACCURATE MASS MEASUREMENTS AND BARYON BUDGET IN 2 KEV GALAXY CLUSTERS	Proposal title
observer	Dr. Alexey Vikhlinin	Principal investigator
object	A744	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.835	Observer's specified target RA [deg]
dec_targ	16.6525	Observer's specified target Dec [deg]
ra_nom	136.89236961008	Nominal RA [deg]
dec_nom	16.683800492328	Nominal Dec [deg]
roll_nom	73.270126973394	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40042.659327686	Sum of GTIs [s]
livetime	39519.472504593	Livetime [s]
ontime0	40036.377386928	Sum of GTIs [s]
ontime1	40045.800307989	Sum of GTIs [s]
ontime2	40039.518357337	Sum of GTIs [s]
ontime3	40042.659327686	Sum of GTIs [s]
ontime6	40039.518347442	Sum of GTIs [s]
l2events	143227	Number of level 2 events



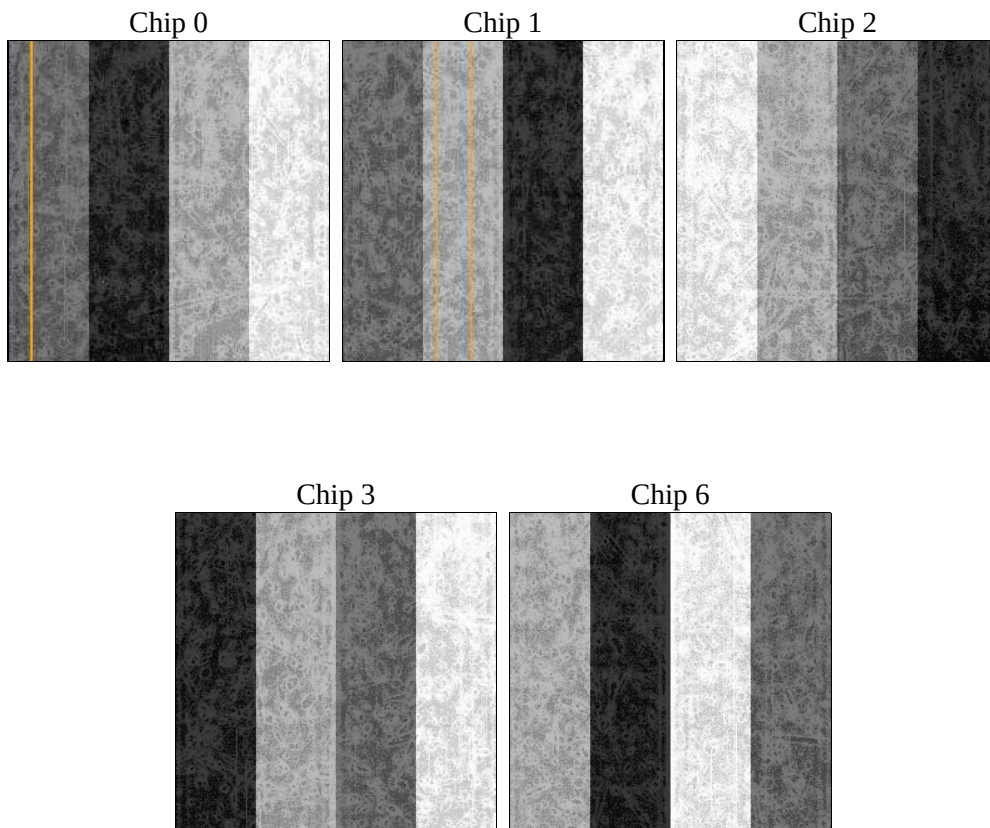
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	40042.659327686	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	40036.377386928	Sum of GTIs [s]
date	2012-04-12T08:41:26	Date and time of file creation	ontime1	40045.800307989	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	40039.518357337	Sum of GTIs [s]
			ontime3	40042.659327686	Sum of GTIs [s]
			ontime6	40039.518347442	Sum of GTIs [s]
			l1events	1529940	Number of level 1 events

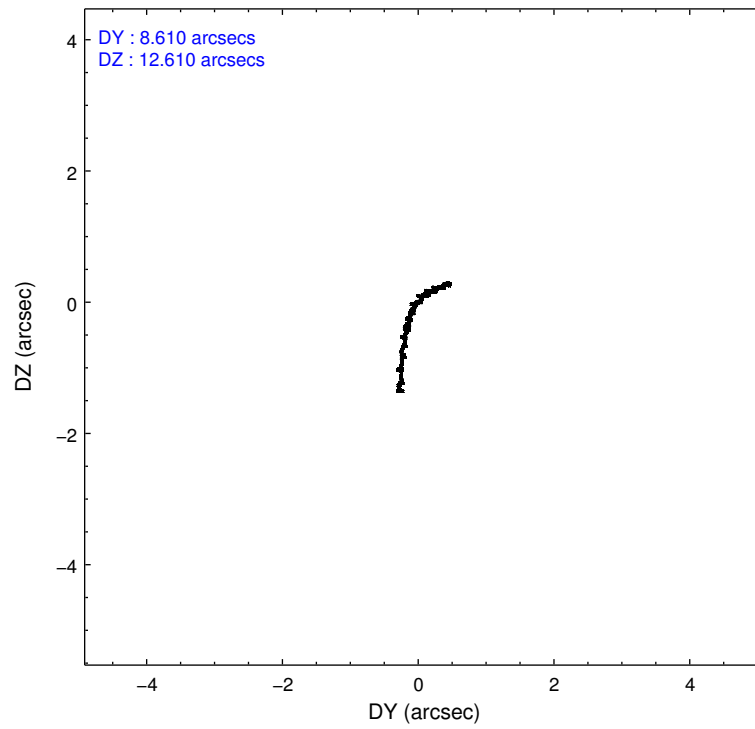
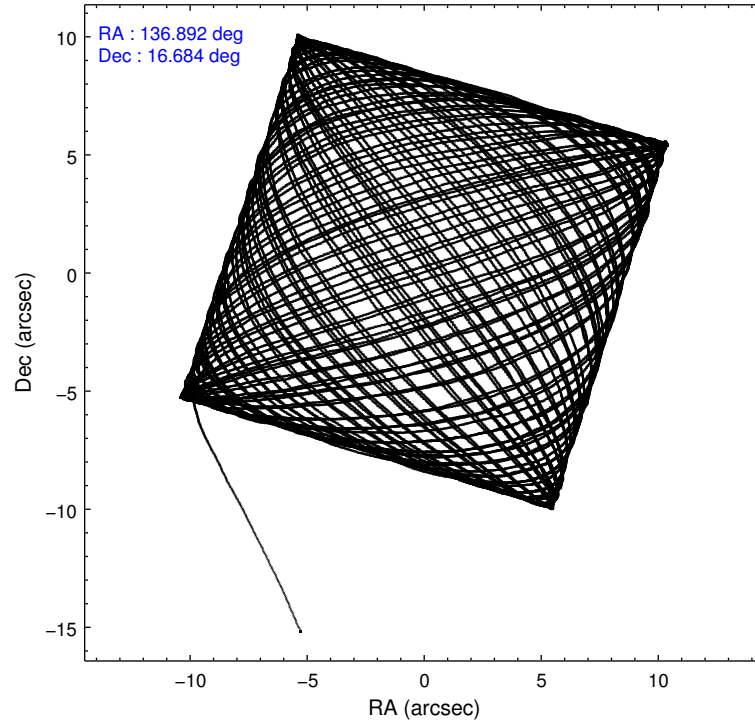
2.1.4 Events

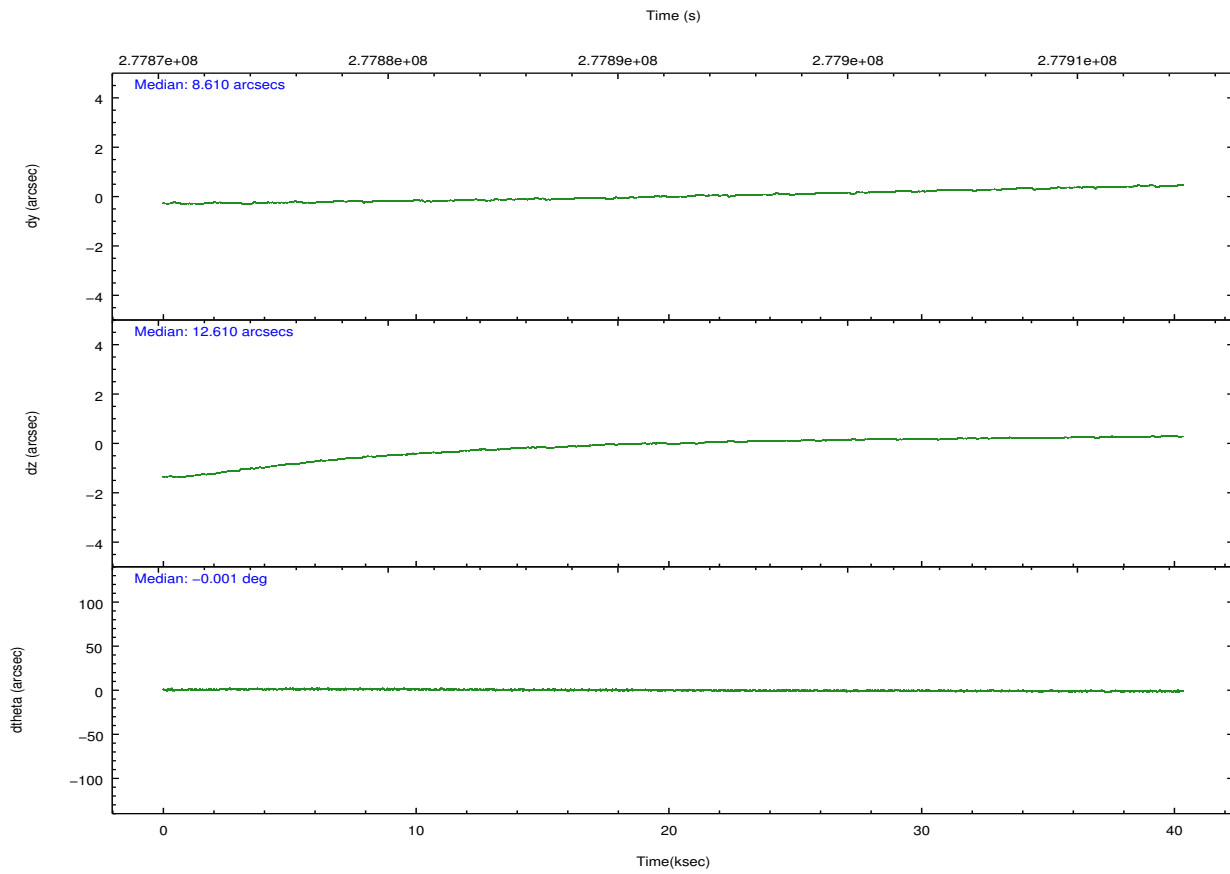
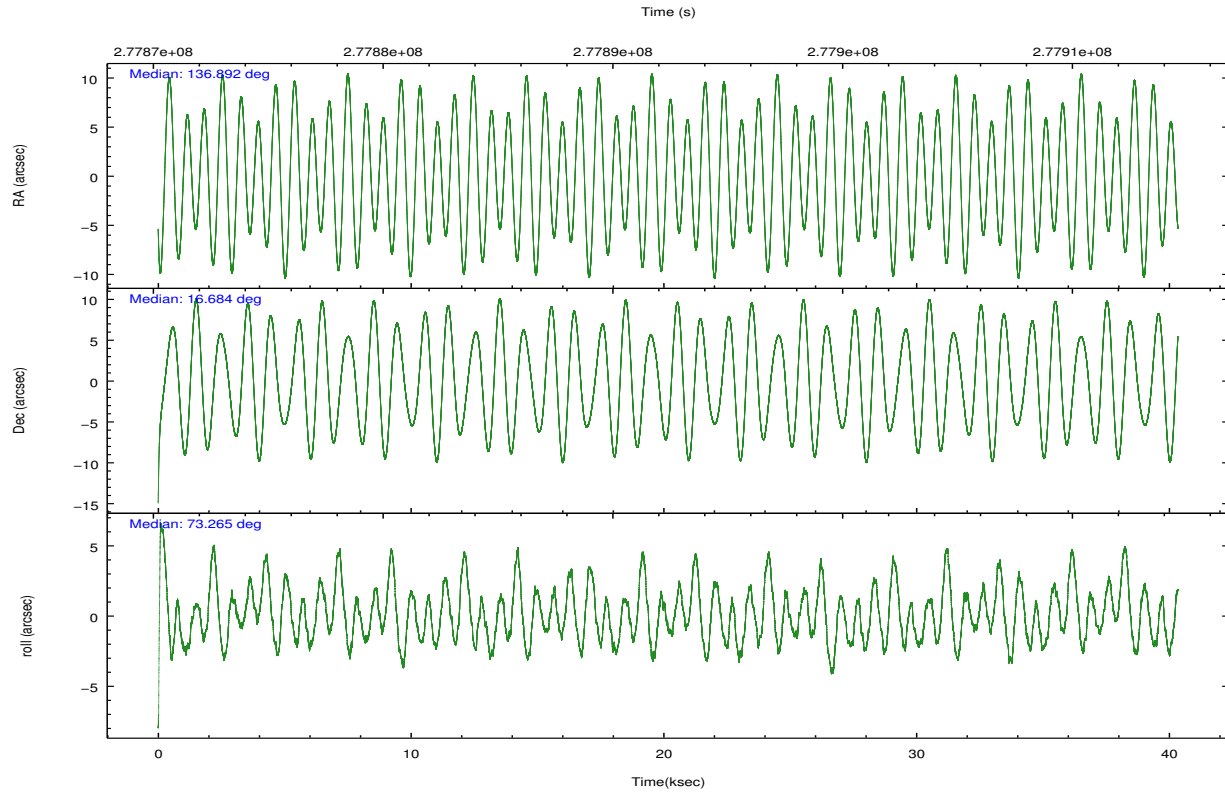
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	294149	288168	326994	316197	304432	grade 0 events	11486	13993	11779	19124	11898
rejected events	262693	251862	296256	276694	272070		3%	4%	3%	6%	3%
rejected %	89%	87%	90%	87%	89%	grade 1 events	146	143	179	213	154
							0%	0%	0%	0%	0%
						grade 2 events	7381	7806	7101	7256	6837
							2%	2%	2%	2%	2%
						grade 3 events	3625	3843	3198	3578	3498
							1%	1%	0%	1%	1%
						grade 4 events	3244	3695	3234	3529	3448
							1%	1%	0%	1%	1%
						grade 5 events	10234	11518	9826	12059	11852
							3%	3%	3%	3%	3%
						grade 6 events	5727	6978	5429	6020	6686
							1%	2%	1%	1%	2%
						grade 7 events	252306	240192	286248	264418	260059
							85%	83%	87%	83%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	136.899037	136.8923696100807	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.657174	16.68380049232842	Alternating exposures requested	N	N
[deg] Pointing Roll	73.059531	73.27012697339414	[s] Primary exposure time	0.000000	3.1
[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)	277872561.184000	277871535.42811			
Observation start date	2006-10-22T02:48:16	2006-10-22T02:32:15			
[s] Observation end time (MET)	277912561.184000	277914063.19261			
Observation end date	2006-10-22T13:54:56	2006-10-22T14:21:03			
Read mode	TIMED	TIMED			

2.3 Aspect



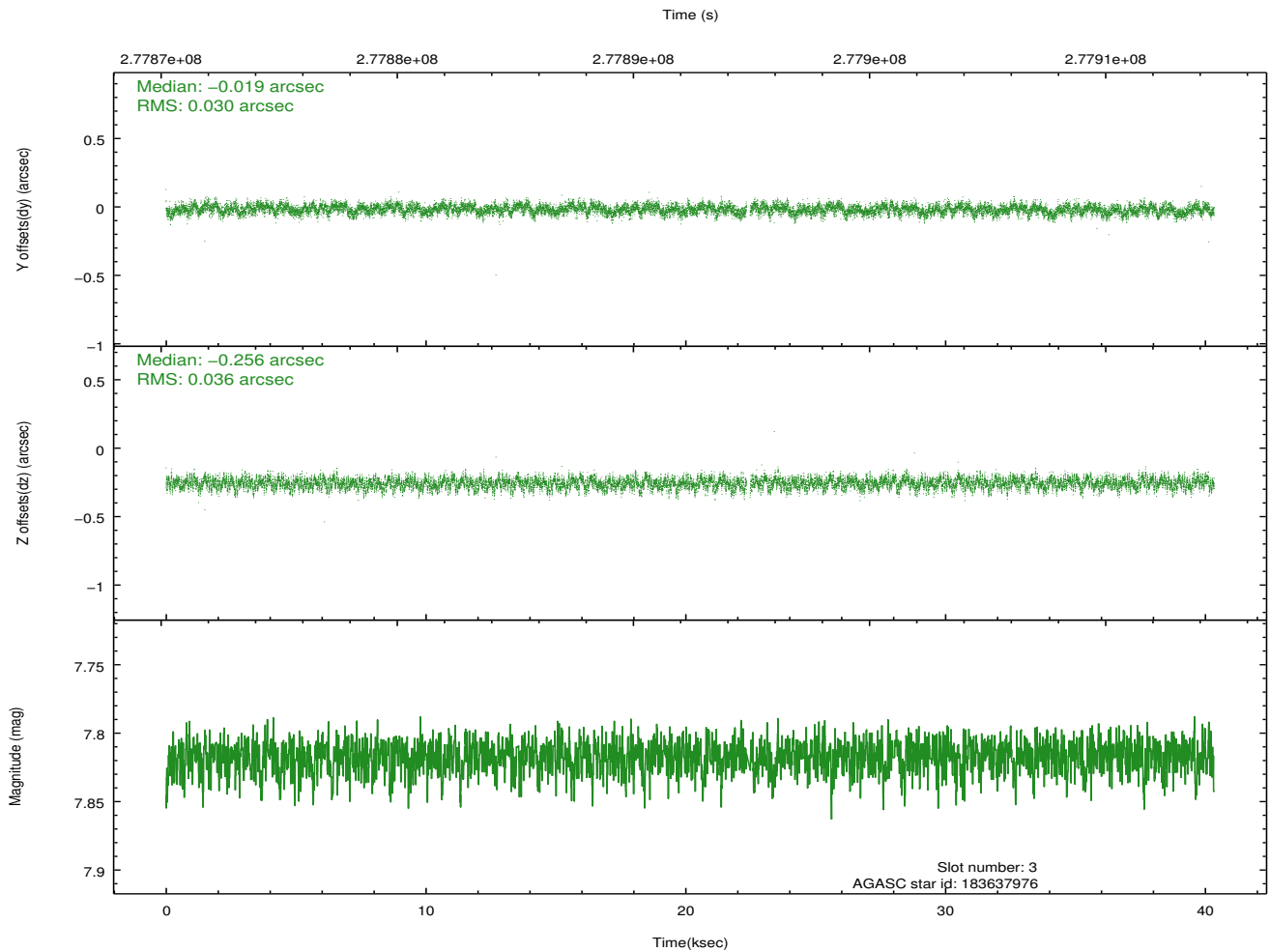
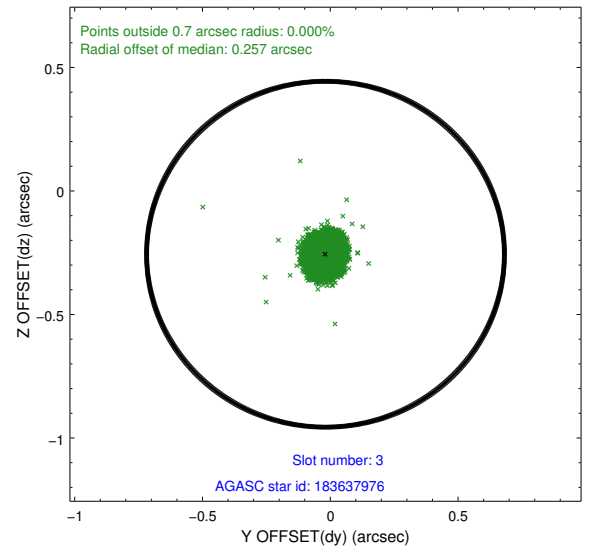
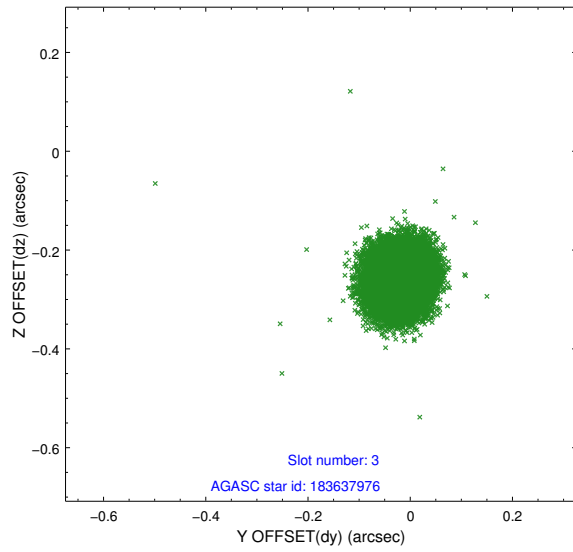


Slot Statistics

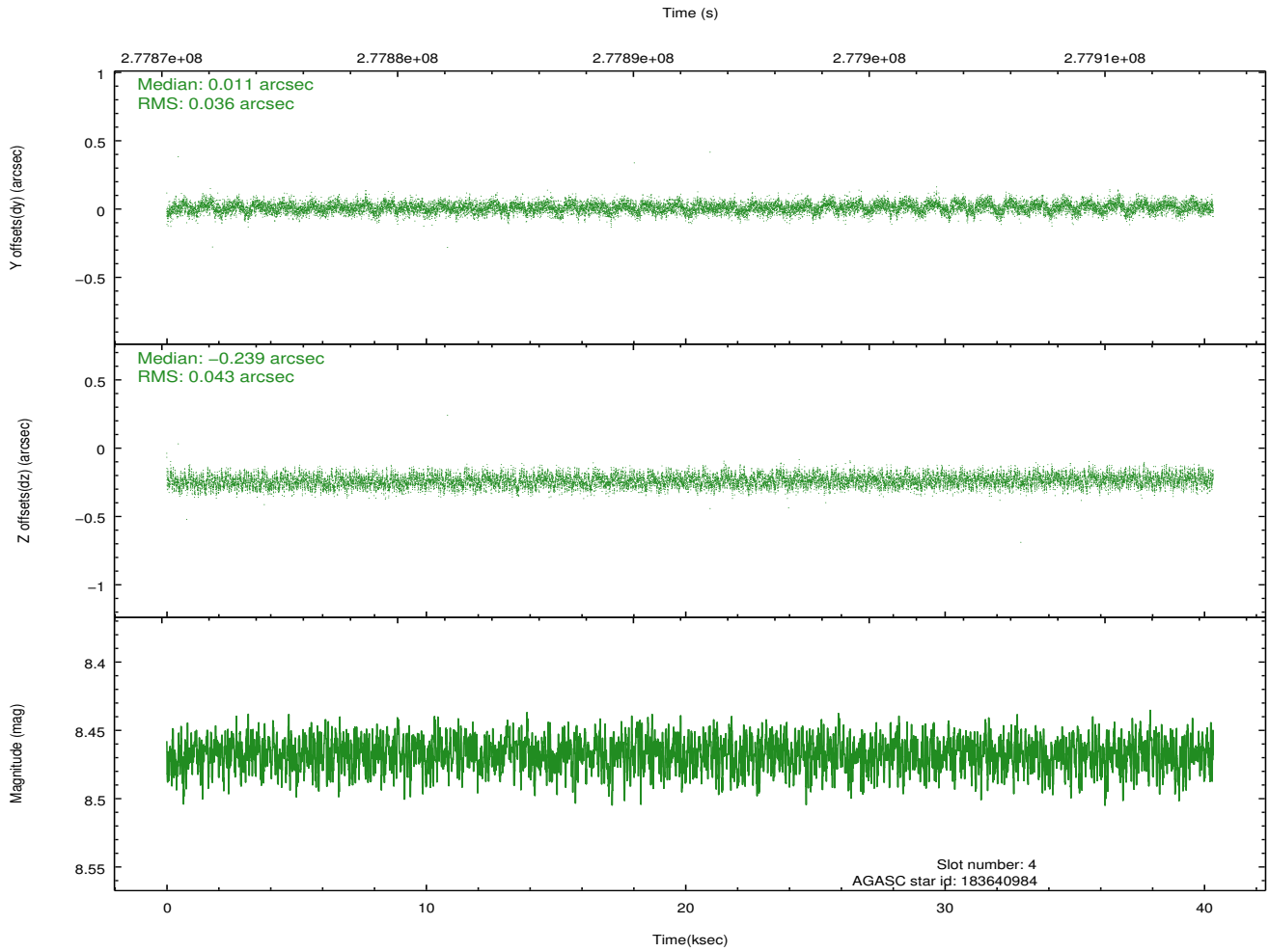
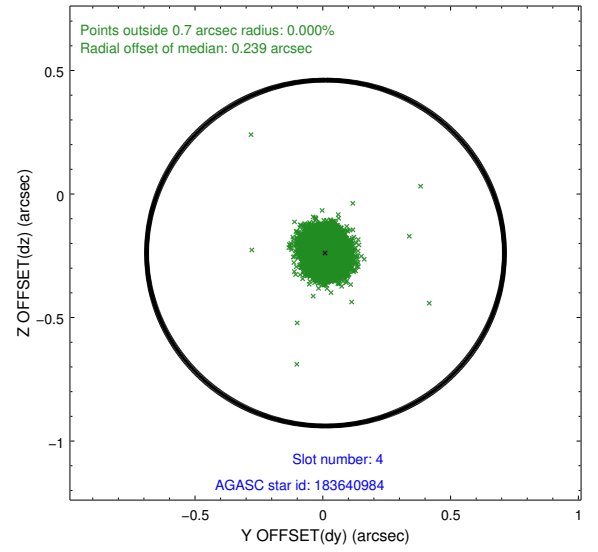
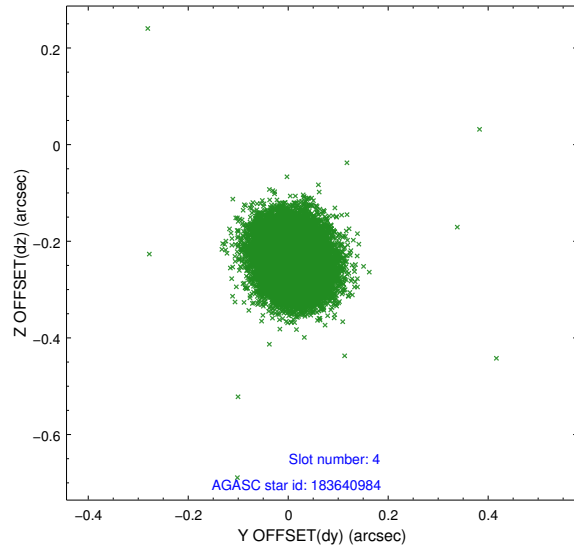
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9841	0.059	-0.021	0.016	0.038	0.000000	0.000000	931.04	-836.01
1	FID	ACIS-I-5	7.23	9840	-0.205	0.065	0.007	0.012	0.000000	0.000000	-1817.30	1061.60
2	FID	ACIS-I-6	7.24	9841	0.054	0.027	0.015	0.040	0.000000	0.000000	396.60	1706.06
3	GUIDE	183637976	7.82	19612	-0.019	-0.256	0.050	0.080	136.876559	16.610143	-184.26	24.79
4	GUIDE	183640984	8.47	19672	0.011	-0.239	0.060	0.095	136.439691	17.390131	2066.25	2279.30
5	GUIDE	183648432	8.98	19667	-0.053	0.171	0.097	0.159	137.683111	17.037226	2100.81	-2180.87
6	GUIDE	183635568	8.60	19679	-0.128	0.086	0.071	0.113	137.226478	17.234255	2316.28	-470.87
7	GUIDE	183638376	9.08	19660	0.190	0.240	0.110	0.170	137.407227	16.092396	-1429.84	-2273.07

2.4 Star Slots

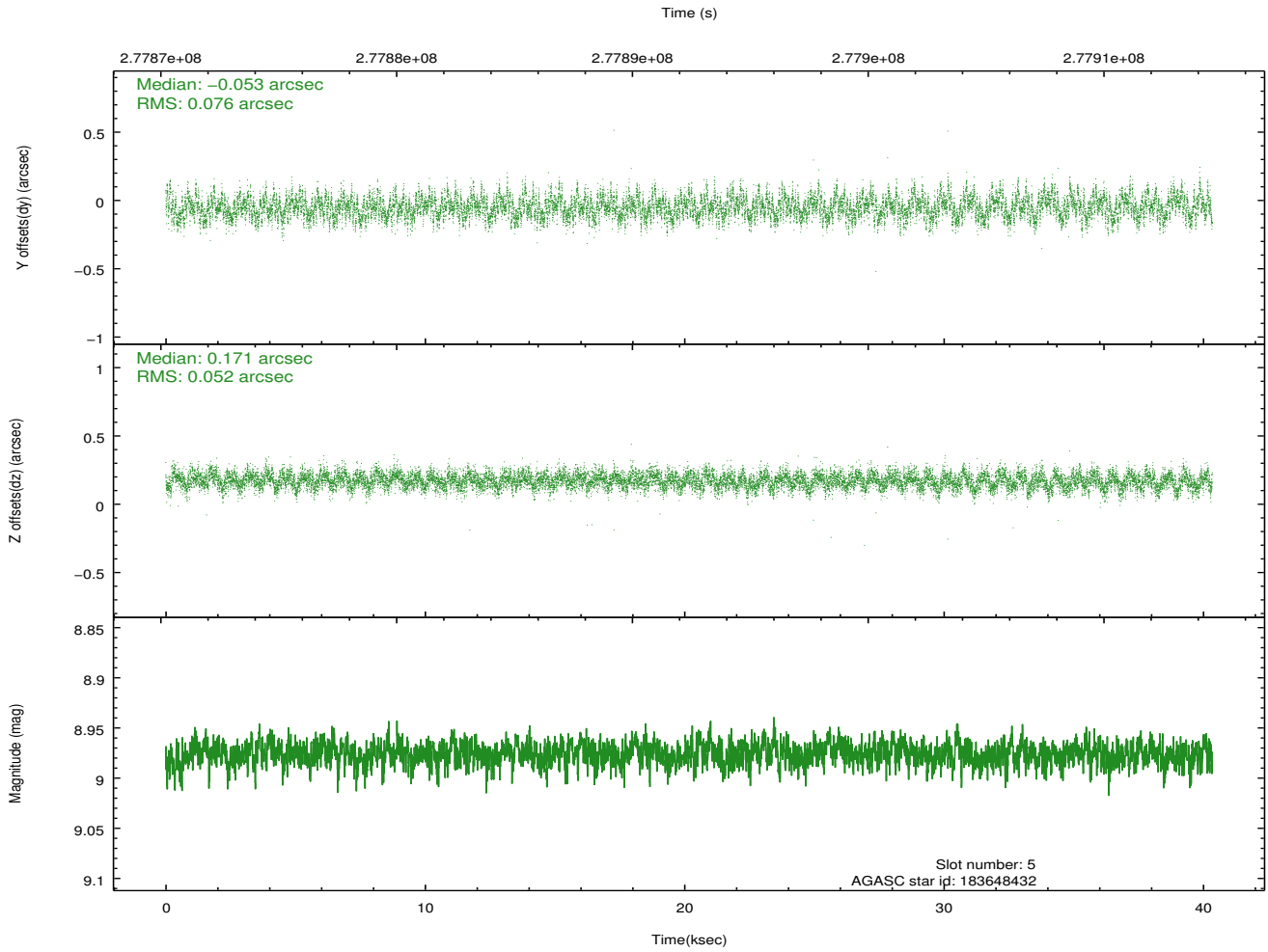
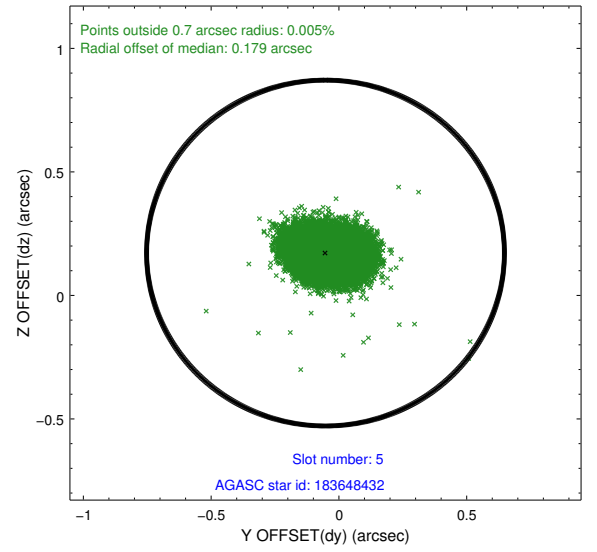
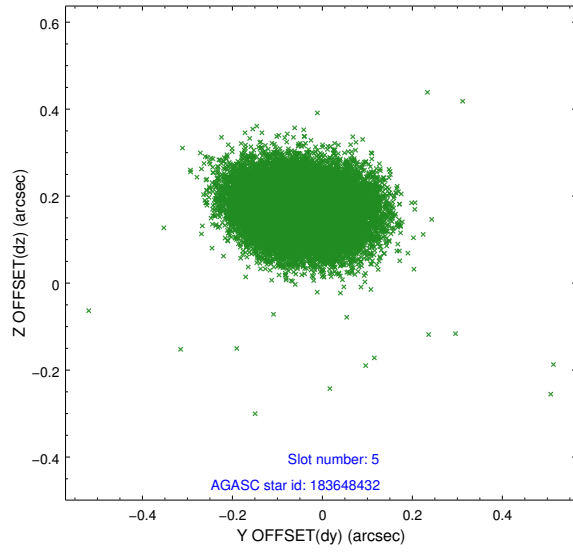
2.4.1 Slot 3



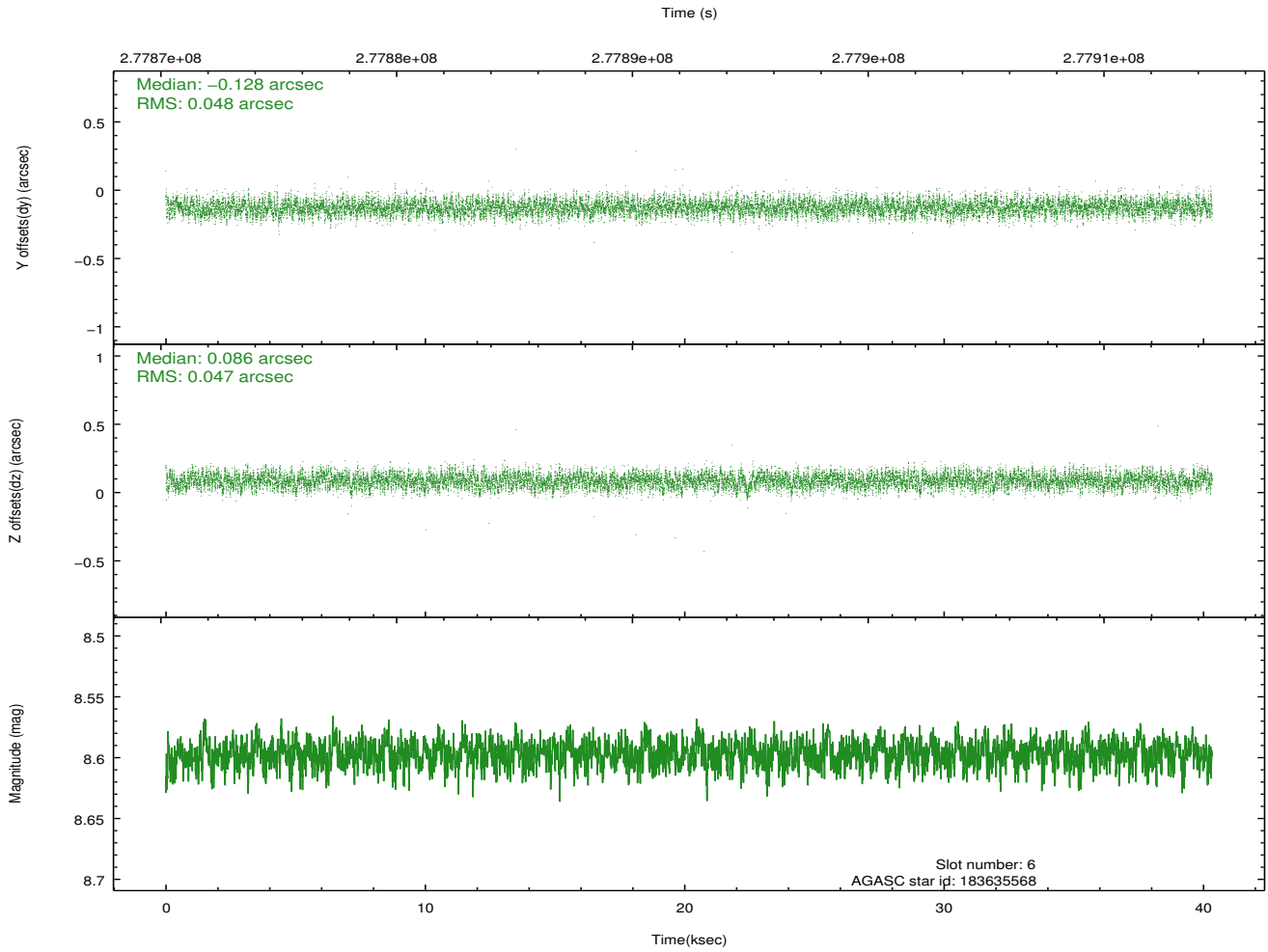
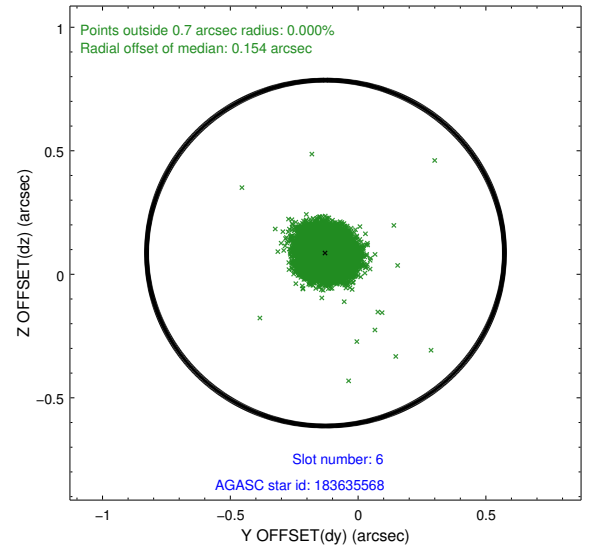
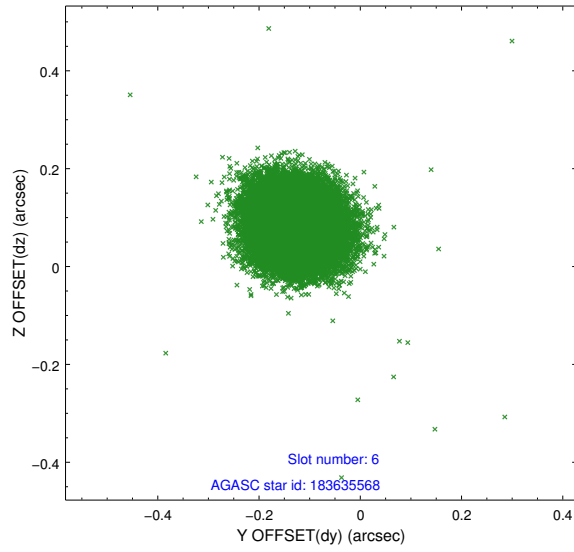
2.4.2 Slot 4



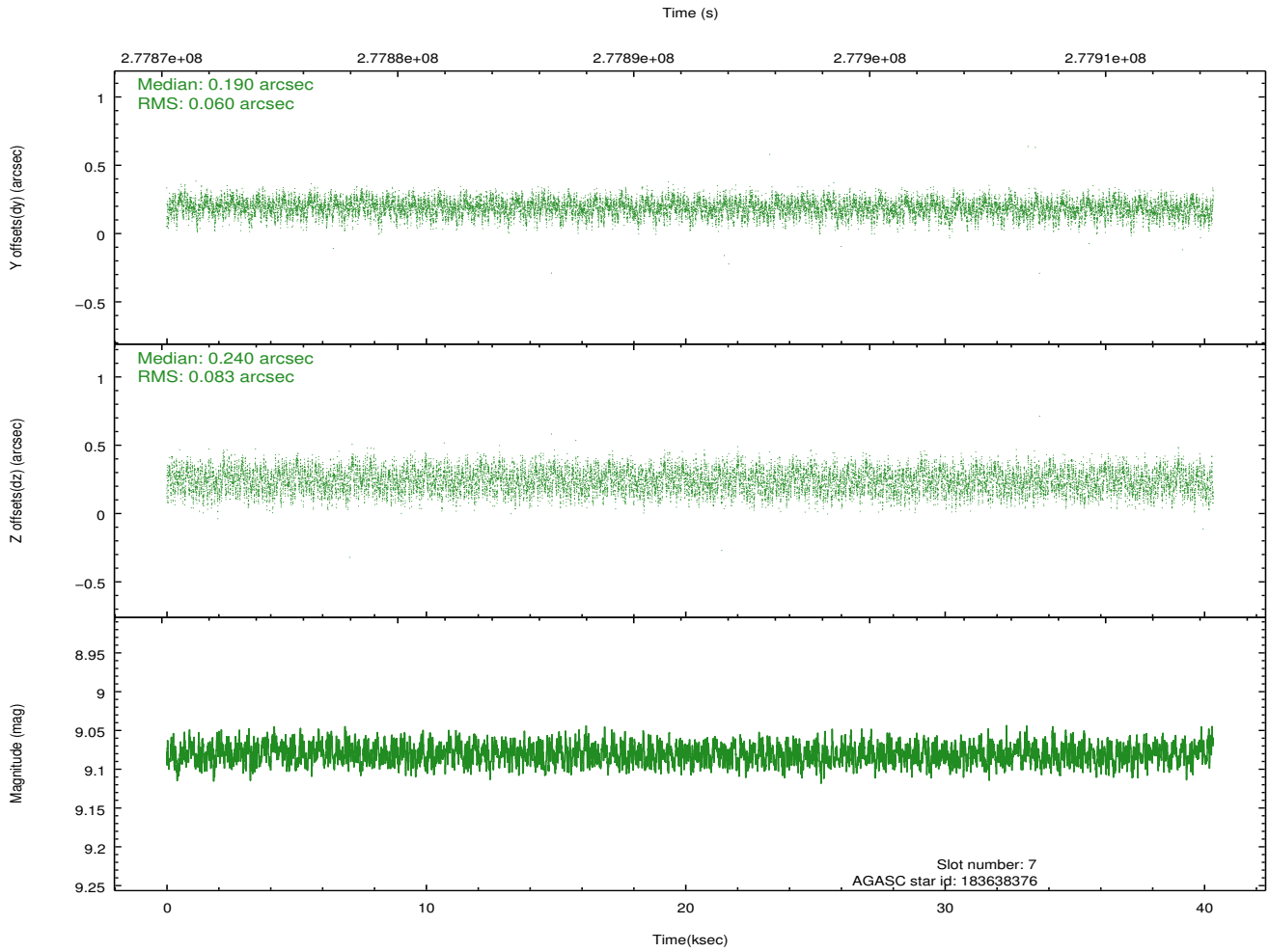
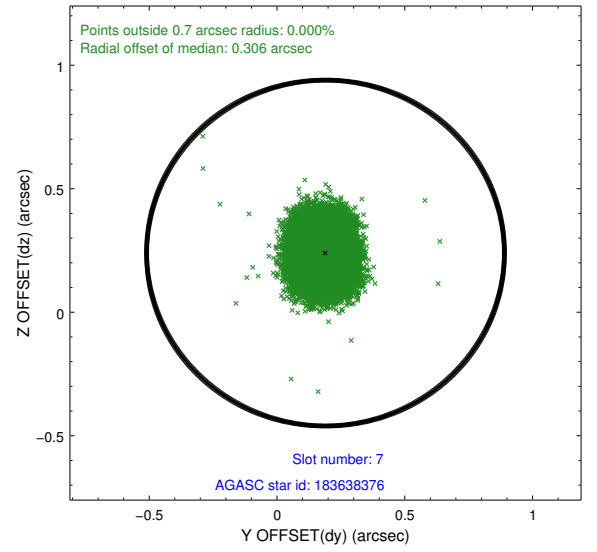
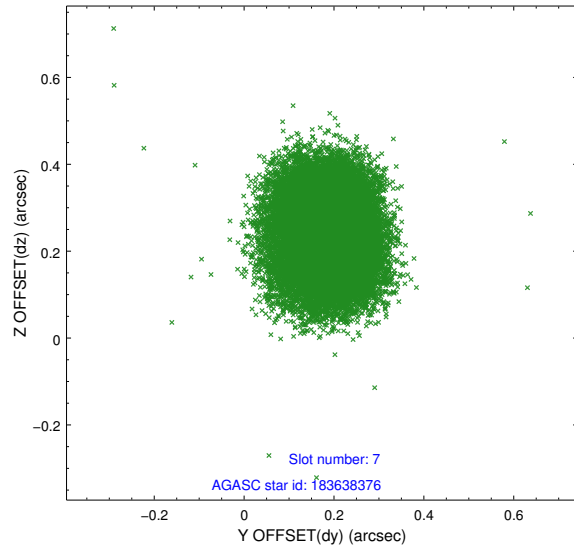
2.4.3 Slot 5



2.4.4 Slot 6

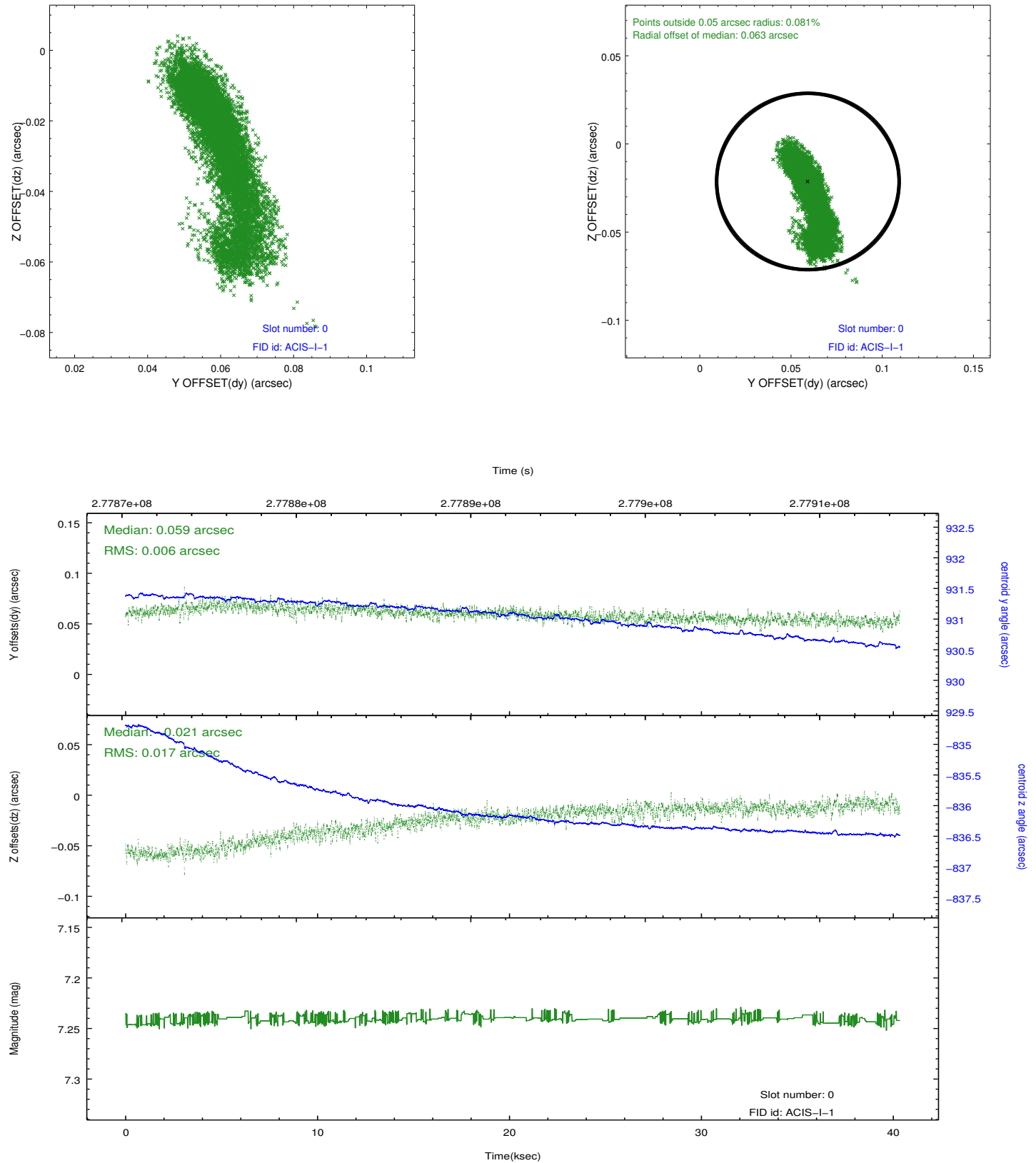


2.4.5 Slot 7

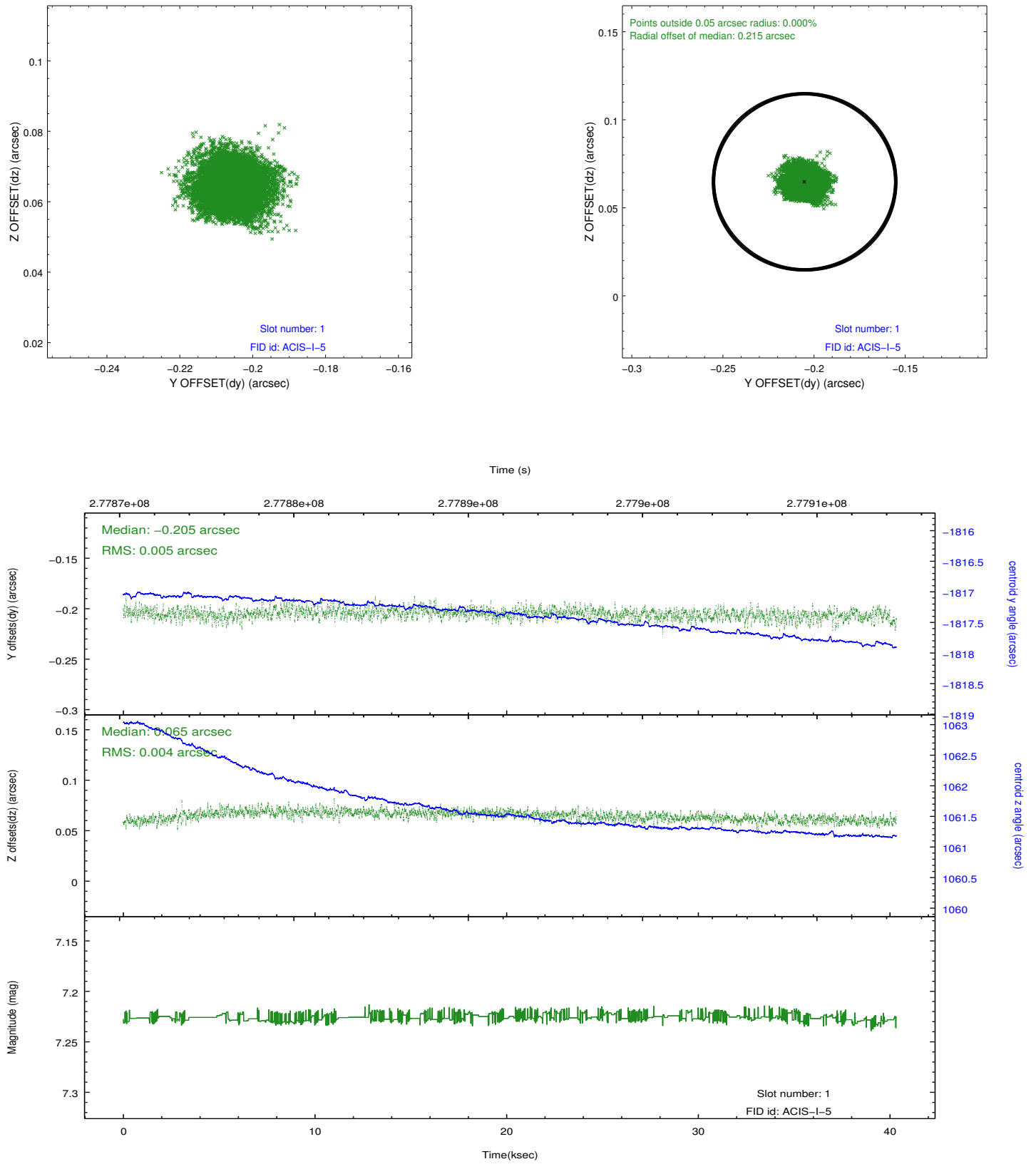


2.5 FID Slots

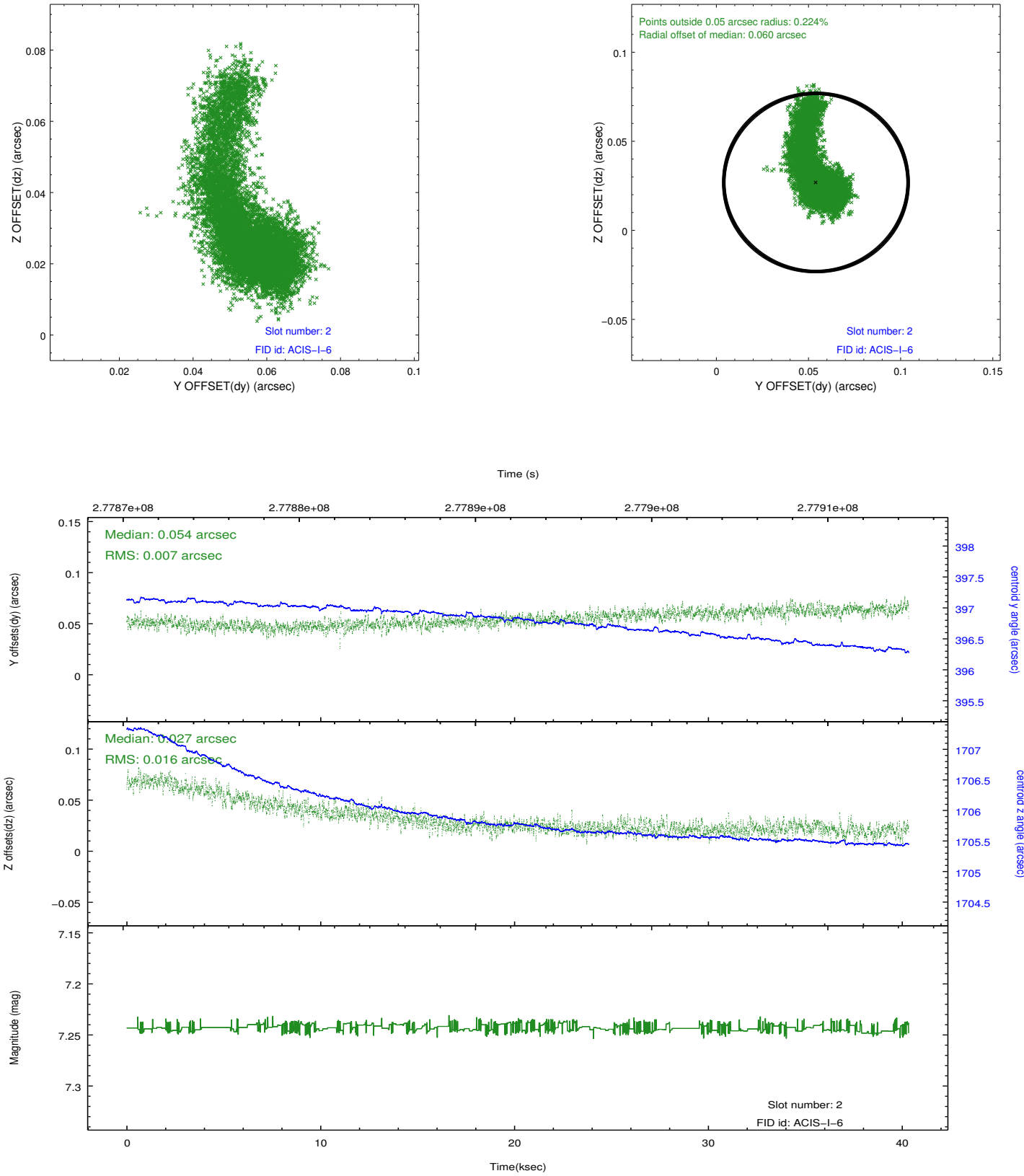
2.5.1 Slot 0



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)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.0426593

A.2 Comments