

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7402 - L2 Version 2
Chandra X-Ray Center

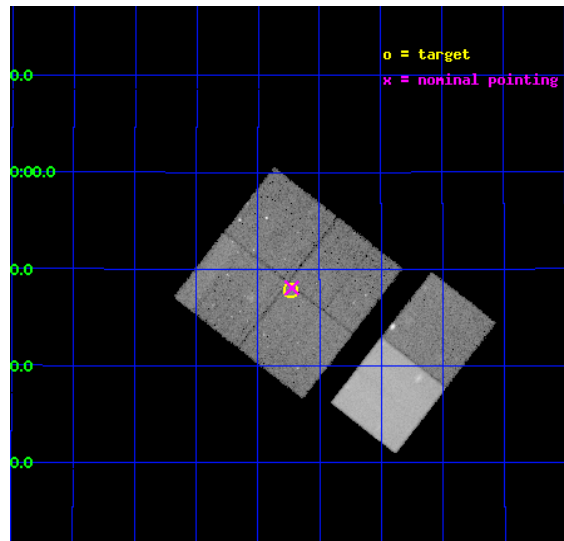
L2 Processing Date : Apr 8 2012

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1 Front

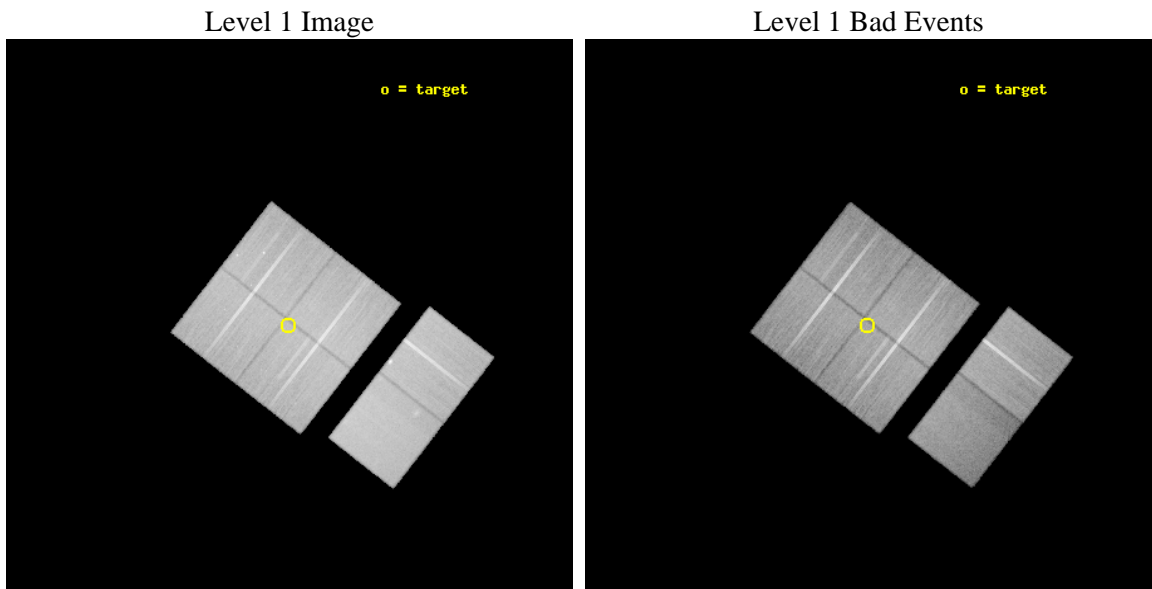
seq_num	600481	Sequence number
obs_id	7402	Observation id
title	The Chandra ACIS Survey of M33 (ChASem33): A Deep Survey of the Nearest Face-on Spiral Galaxy	Proposal title
observer	Dr Manami Sasaki	Principal investigator
object	M33 Field 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	23.5575	Observer's specified target RA [deg]
dec_targ	30.796694	Observer's specified target Dec [deg]
ra_nom	23.556106684699	Nominal RA [deg]
dec_nom	30.80118114696	Nominal Dec [deg]
roll_nom	127.87753709035	Nominal Roll [deg]
revision	2	Processing version of data
ontime	45161.59983182	Sum of GTIs [s]
livetime	44589.736461698	Livetime [s]
ontime0	45145.394960403	Sum of GTIs [s]
ontime1	45155.117851317	Sum of GTIs [s]
ontime2	45148.635930598	Sum of GTIs [s]
ontime3	45161.59983182	Sum of GTIs [s]
ontime6	45155.117931068	Sum of GTIs [s]
ontime7	45161.59983182	Sum of GTIs [s]
l2events	309441	Number of level 2 events



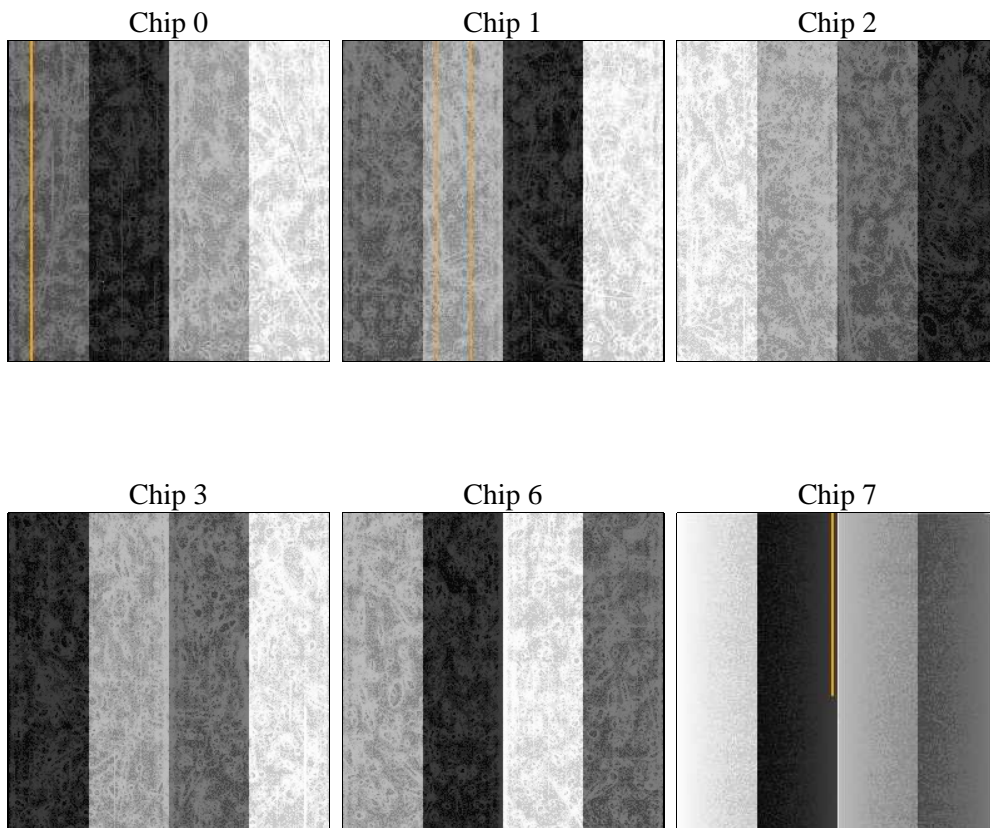
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	45000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	45161.59983182	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	45145.394960403	Sum of GTIs [s]
date	2012-04-08T21:14:20	Date and time of file creation	ontime1	45155.117851317	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	45148.635930598	Sum of GTIs [s]
			ontime3	45161.59983182	Sum of GTIs [s]
			ontime6	45155.117931068	Sum of GTIs [s]
			ontime7	45161.59983182	Sum of GTIs [s]
			l1events	2117383	Number of level 1 events

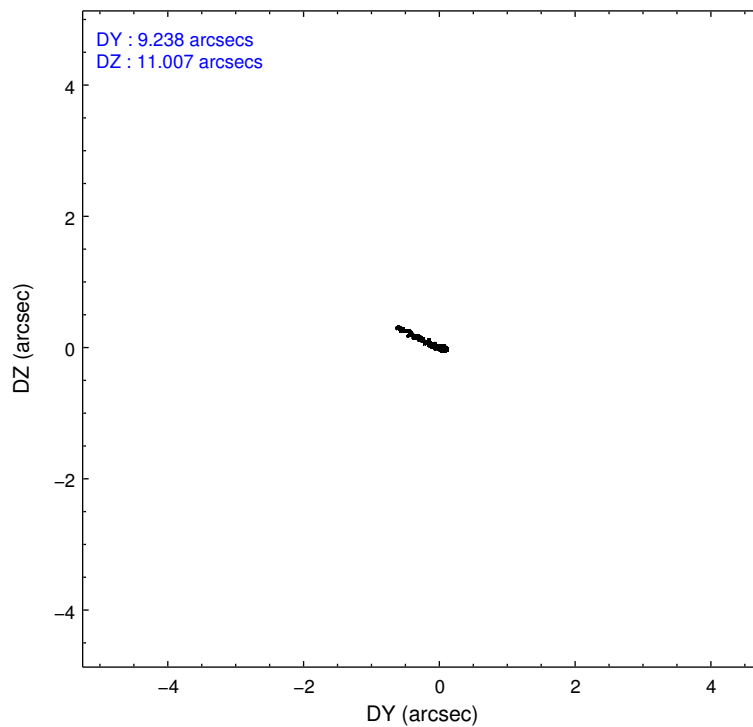
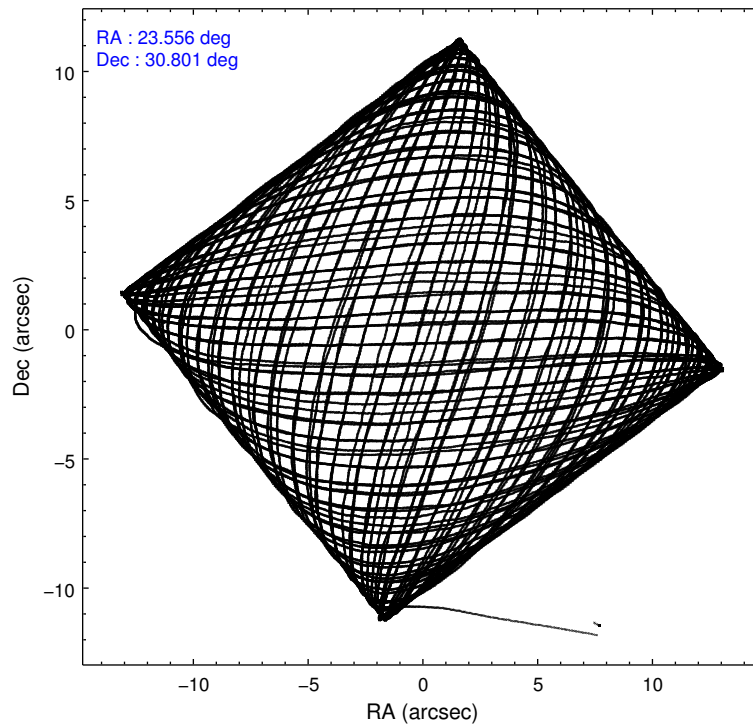
2.1.4 Events

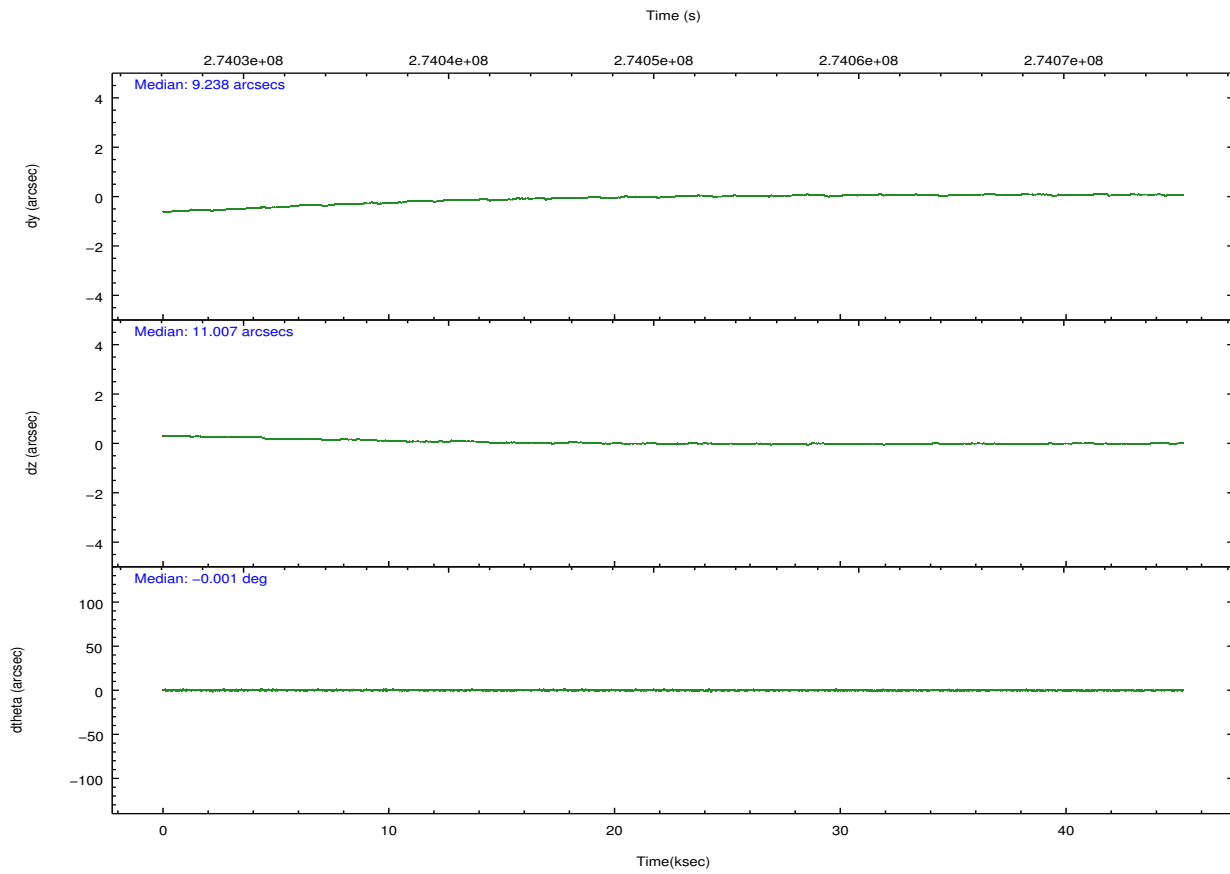
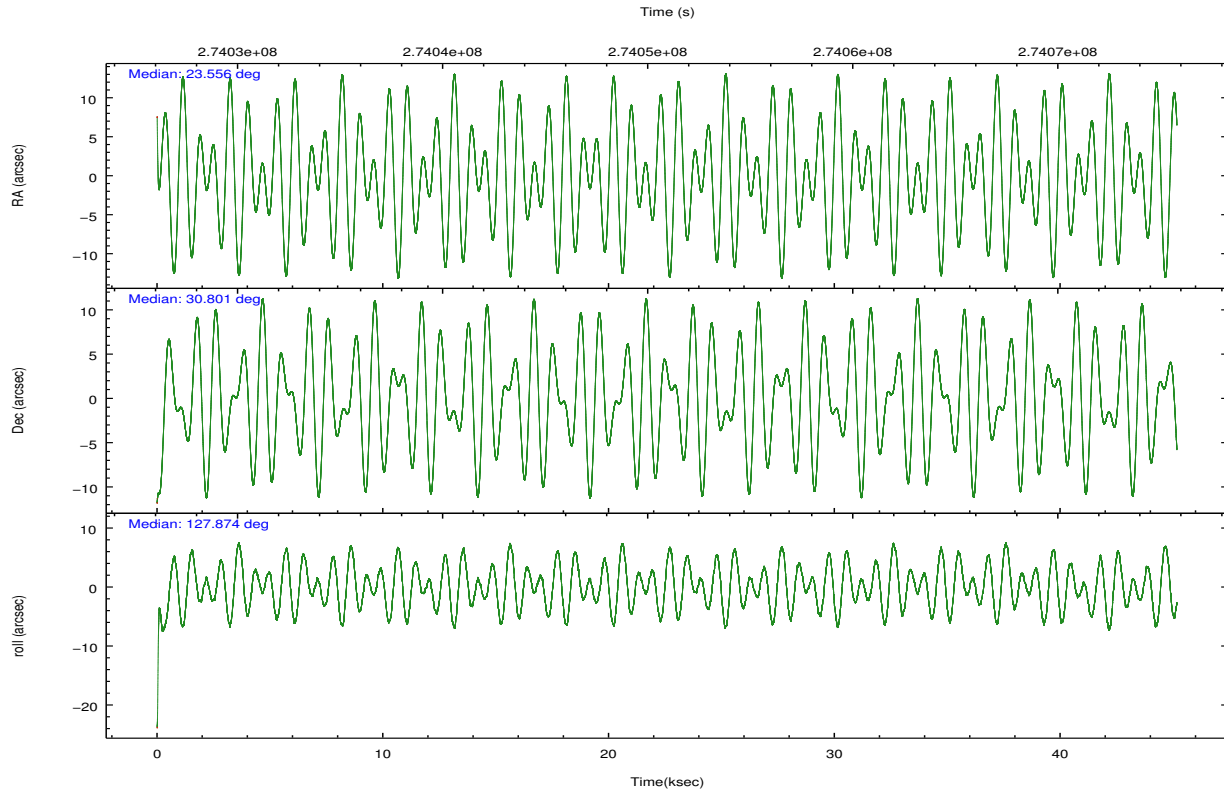
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	328260	326924	367394	342461	364852	387492	grade 0 events	13108	14555	12007	12204	14362	15583
rejected events	294243	289216	335414	310743	327785	217728		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	89%	56%	grade 1 events	174	163	183	179	174	311
								0%	0%	0%	0%	0%	0%
							grade 2 events	8234	8677	7892	6951	8259	35528
								2%	2%	2%	2%	2%	9%
							grade 3 events	3919	4140	3543	3657	3892	16841
								1%	1%	0%	1%	1%	4%
							grade 4 events	3609	4099	3758	3743	3997	16363
								1%	1%	1%	1%	1%	4%
							grade 5 events	11610	13332	11042	13839	14414	40964
								3%	4%	3%	4%	3%	10%
							grade 6 events	6455	7642	6101	6445	7913	91987
								1%	2%	1%	1%	2%	23%
							grade 7 events	281151	274316	322868	295443	311841	169915
								85%	83%	87%	86%	85%	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	23.585686	23.55610668469922	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.790968	30.80118114696008	Alternating exposures requested	N	N
[deg] Pointing Roll	127.653714	127.8775370903547	[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)	274028529.184000	274026519.37208			
Observation start date	2006-09-07T15:01:04	2006-09-07T14:28:39			
[s] Observation end time (MET)	274073529.184000	274075072.59936			
Observation end date	2006-09-08T03:31:04	2006-09-08T03:57:52			
Read mode	TIMED	TIMED			

2.3 Aspect



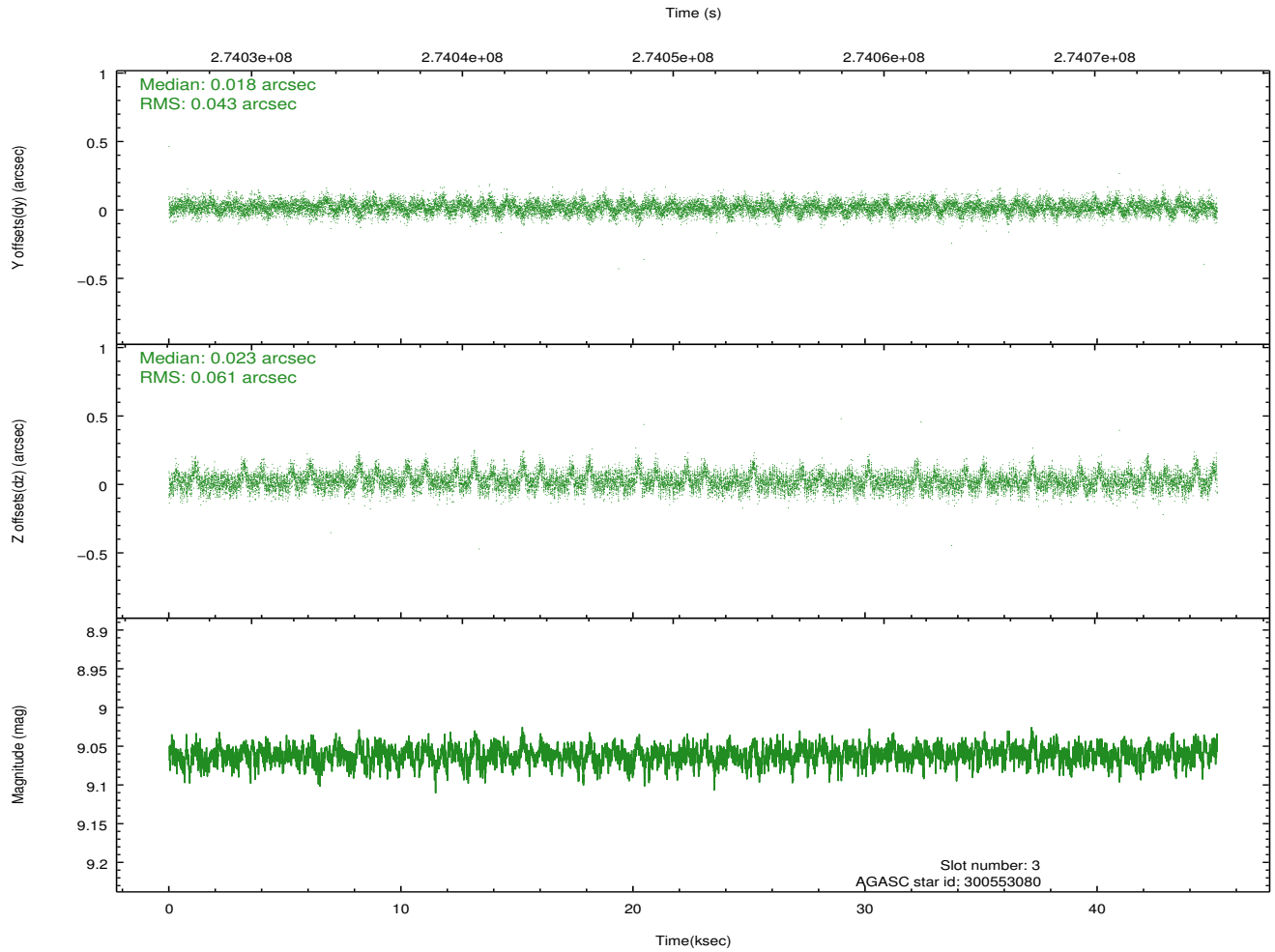
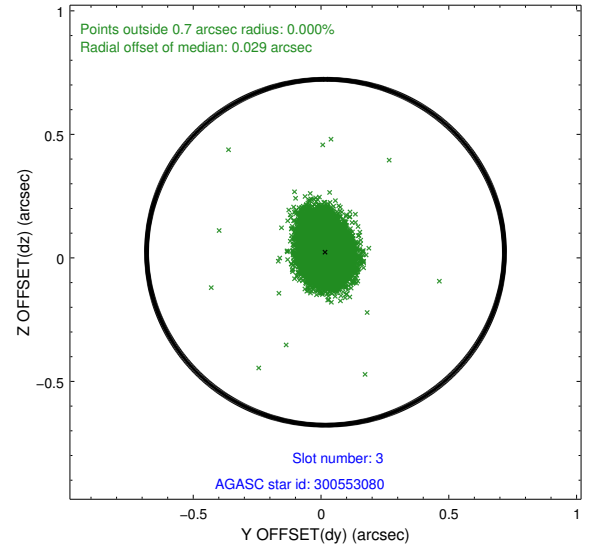
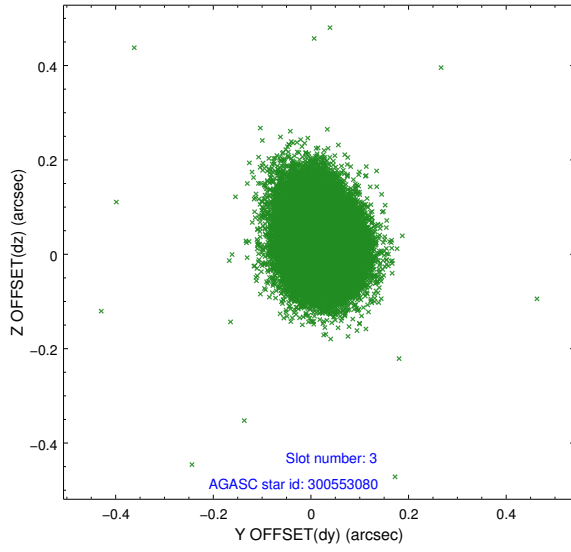


Slot Statistics

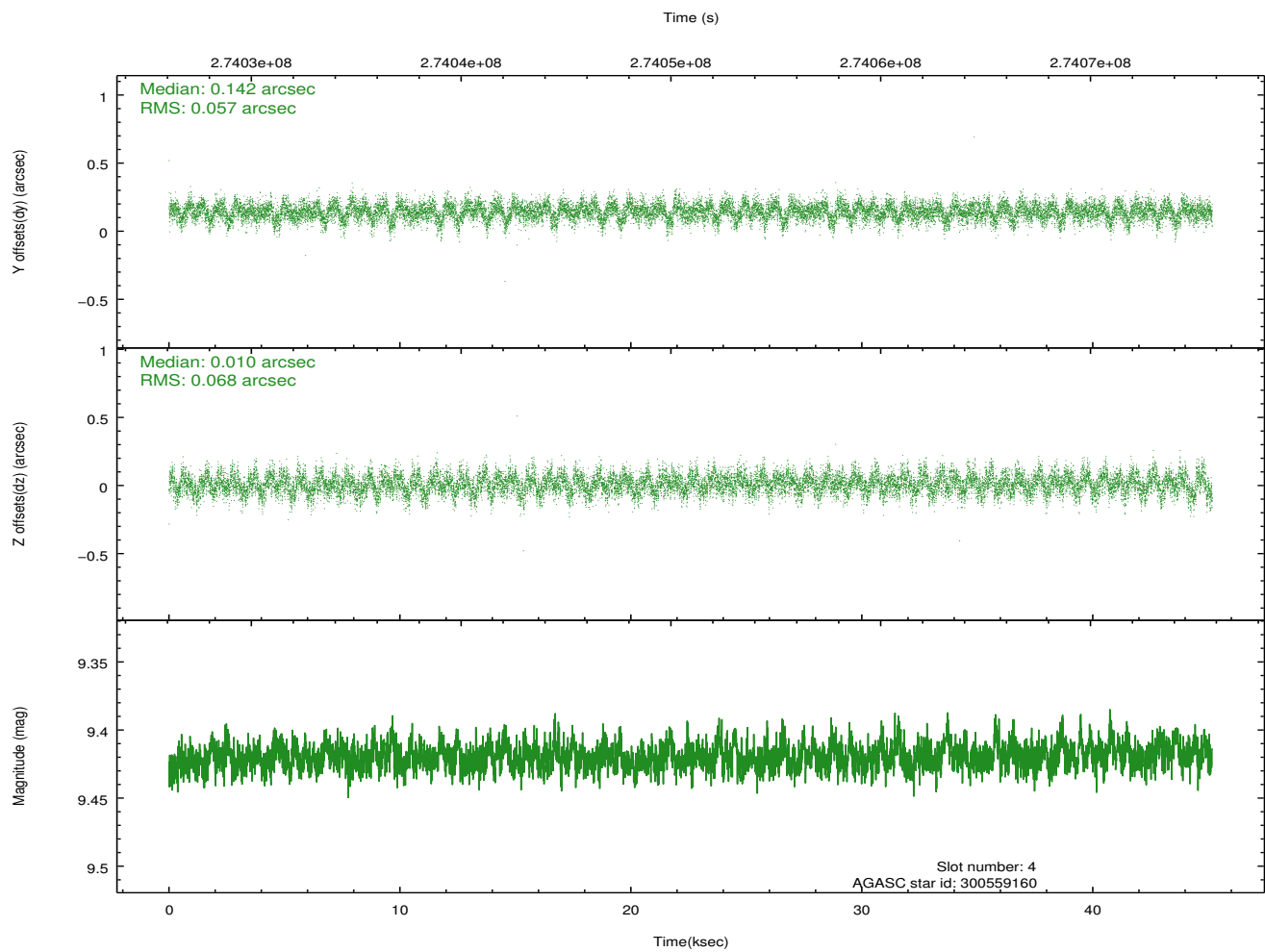
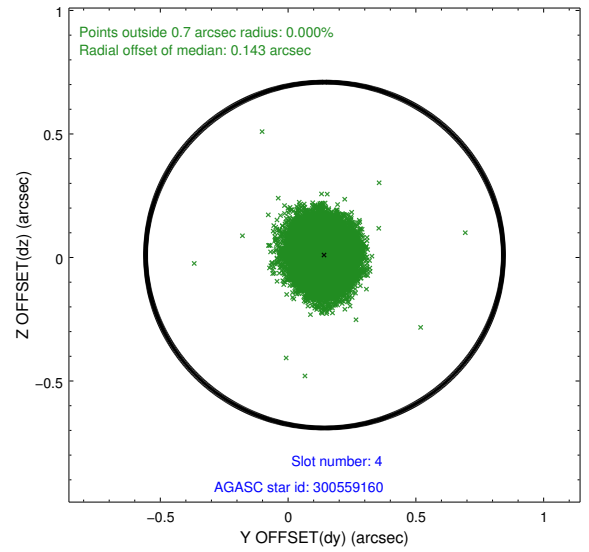
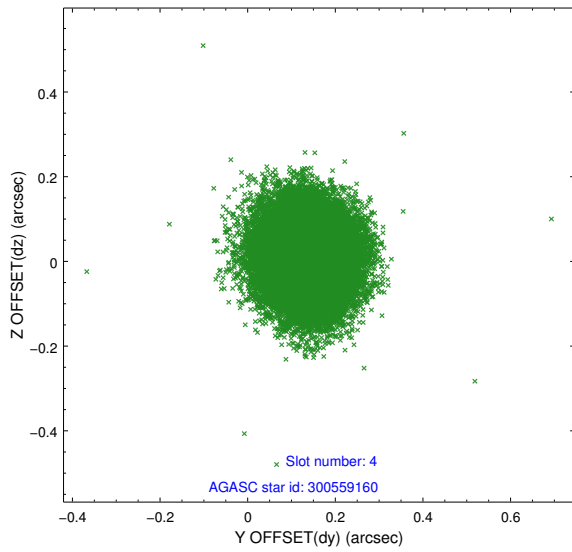
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11016	0.053	-0.044	0.011	0.021	0.000000	0.000000	930.52	-834.61
1	FID	ACIS-I-5	7.23	11018	-0.210	0.052	0.008	0.015	0.000000	0.000000	-1817.83	1063.02
2	FID	ACIS-I-6	7.24	11018	0.065	0.063	0.009	0.015	0.000000	0.000000	396.12	1707.49
3	GUIDE	300553080	9.06	22012	0.018	0.023	0.078	0.130	23.777101	30.773227	-411.53	-429.77
4	GUIDE	300559160	9.42	22009	0.142	0.010	0.095	0.153	24.161026	30.632205	-1537.15	-1064.50
5	GUIDE	300559832	7.89	22033	0.095	0.154	0.054	0.089	24.407732	30.552794	-2227.92	-1499.42
6	GUIDE	300559960	7.88	22030	-0.278	-0.349	0.068	0.108	22.944463	30.624765	743.55	1934.42
7	GUIDE	300561200	8.27	22028	0.026	0.160	0.079	0.126	24.520259	30.789866	-1759.82	-2294.40

2.4 Star Slots

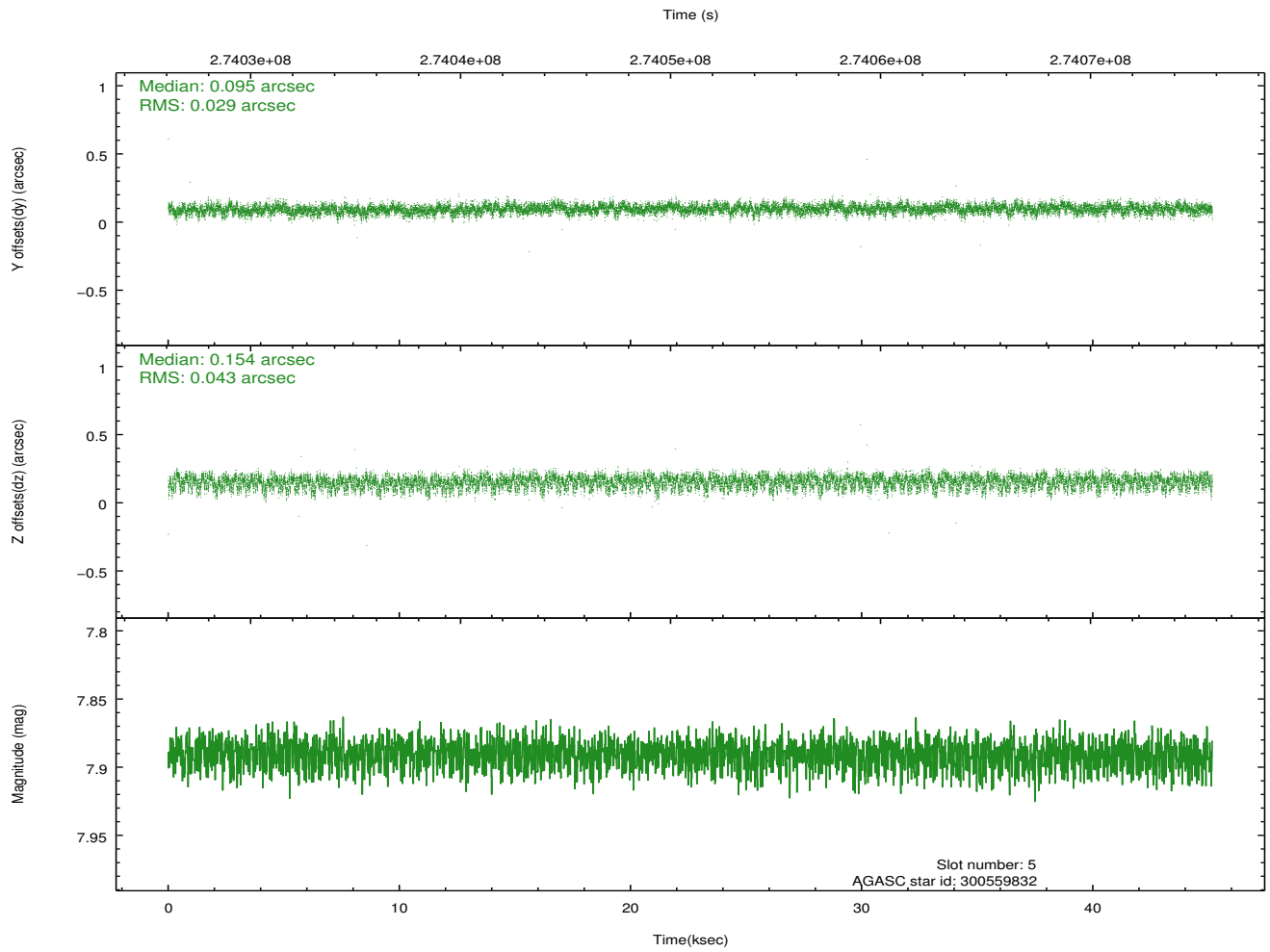
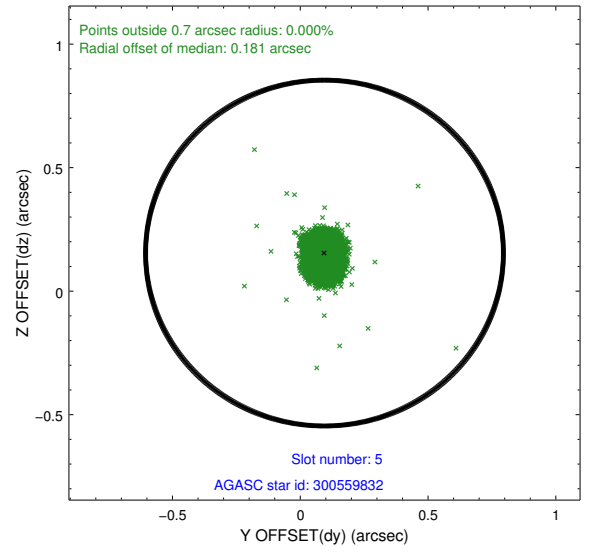
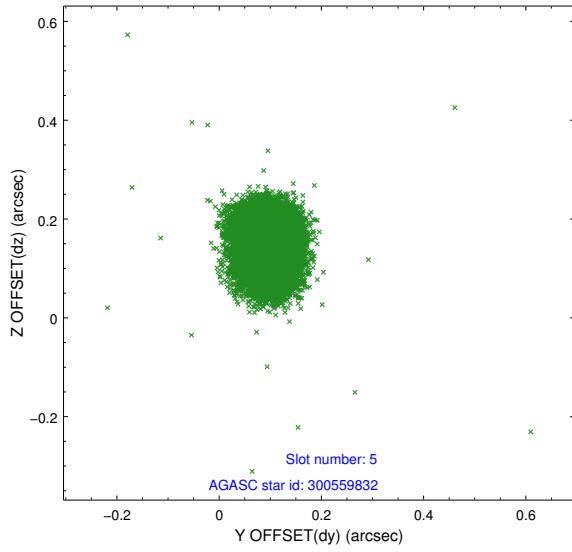
2.4.1 Slot 3



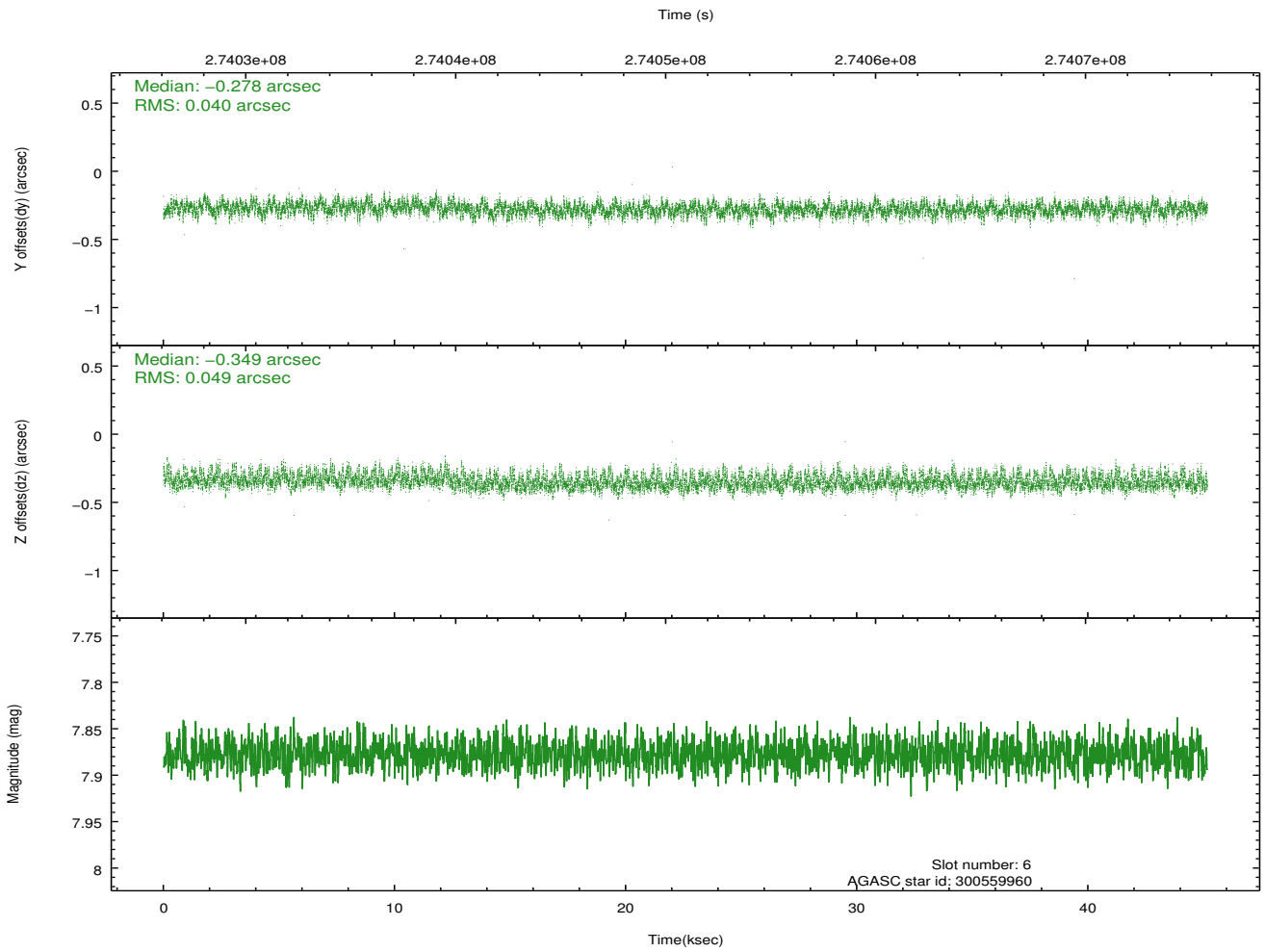
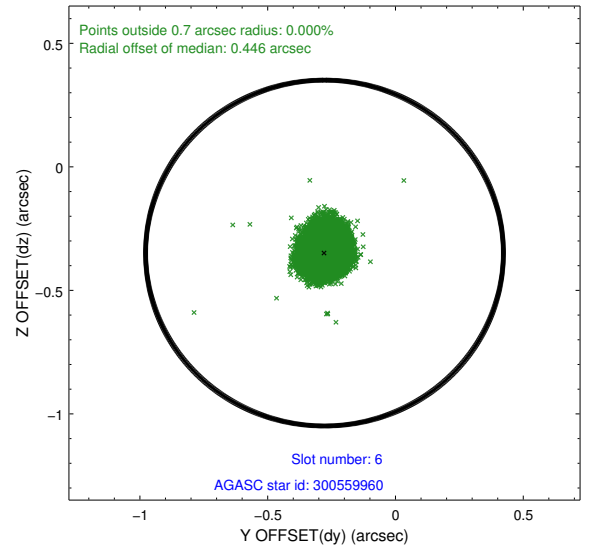
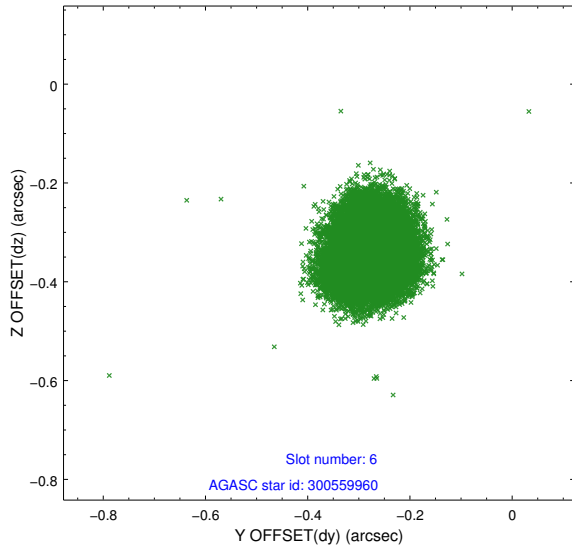
2.4.2 Slot 4



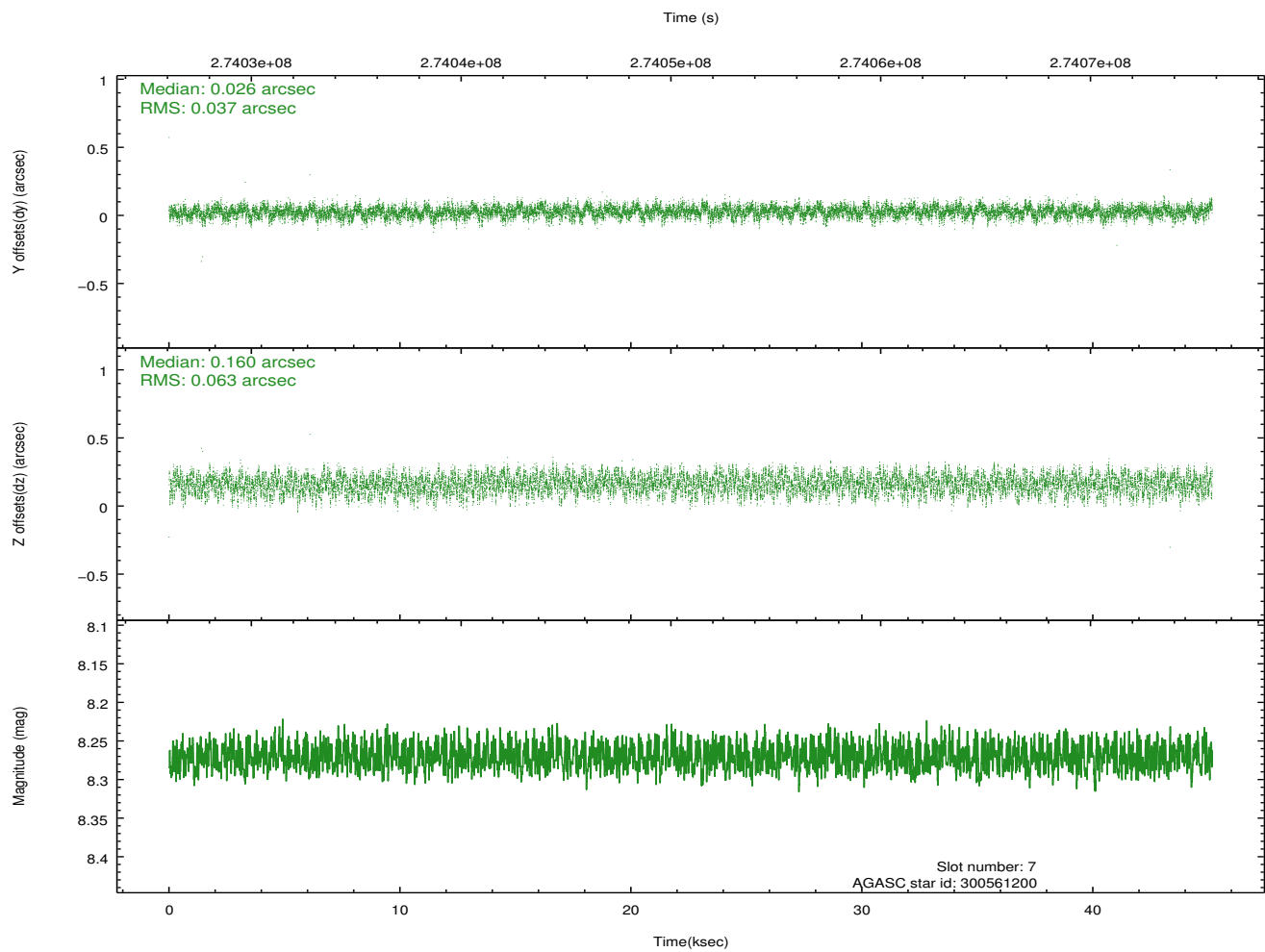
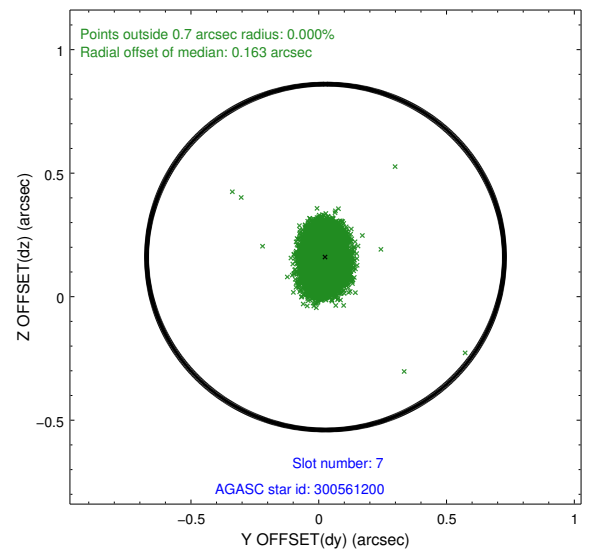
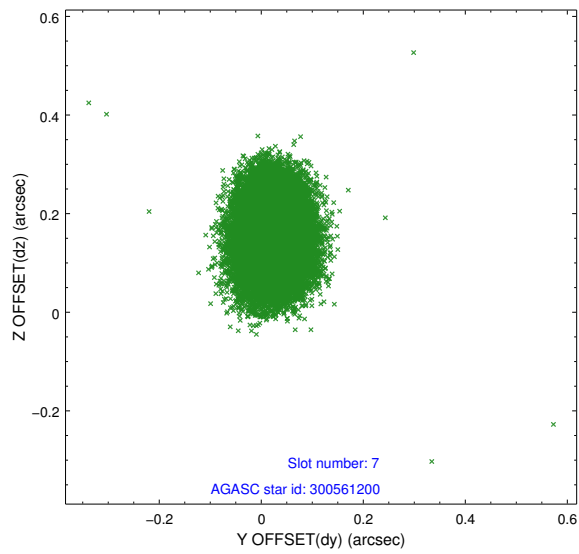
2.4.3 Slot 5



2.4.4 Slot 6

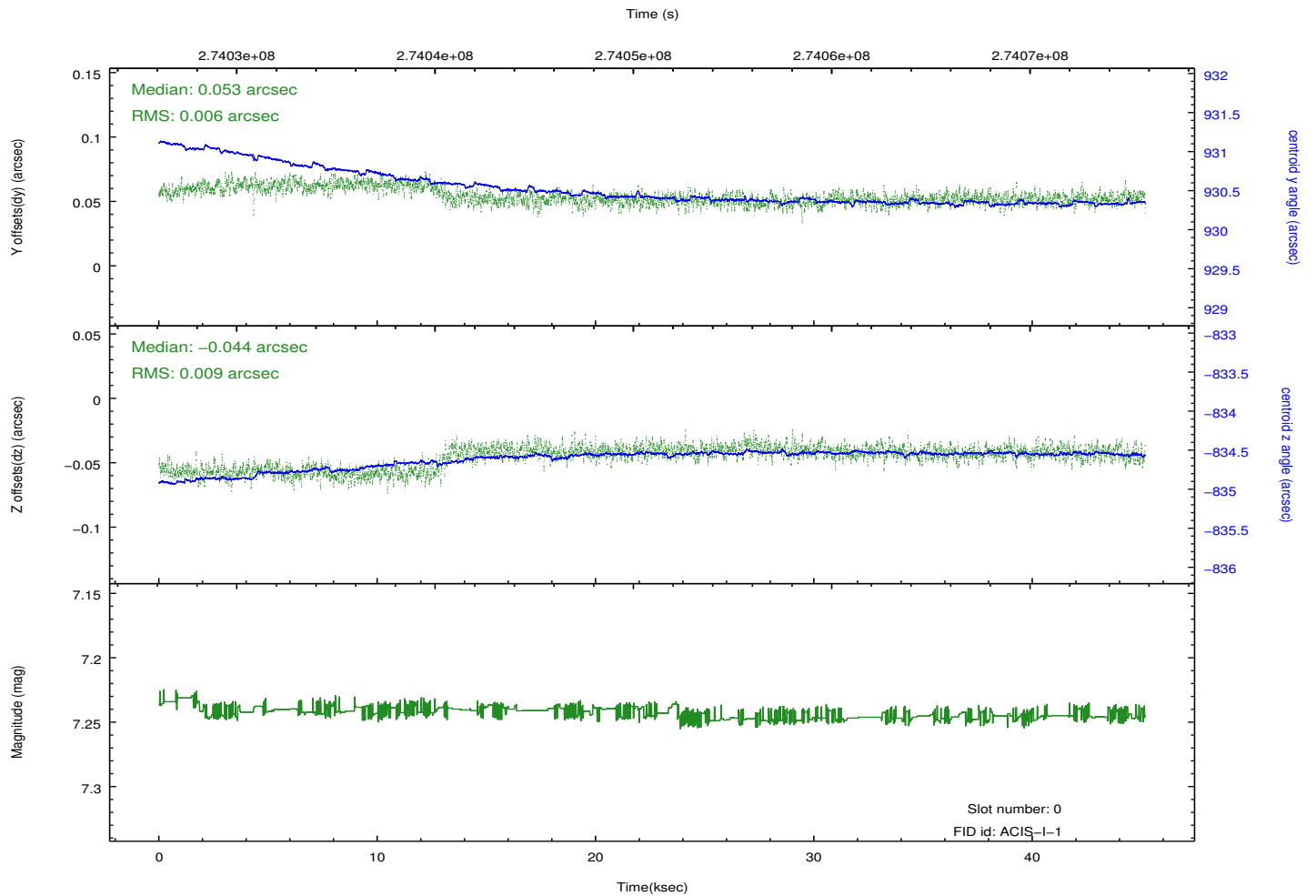
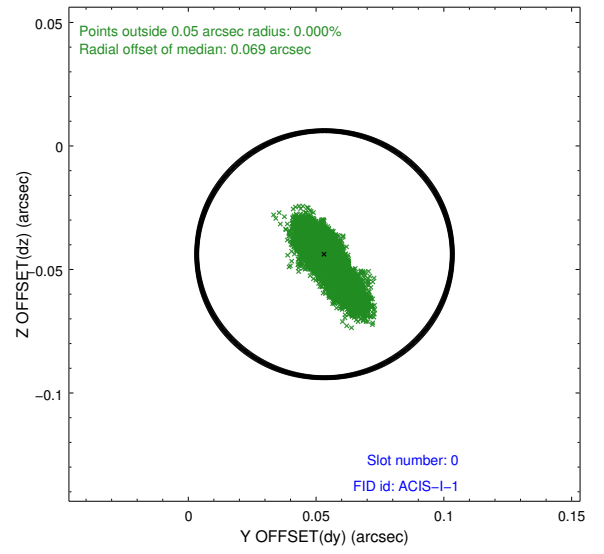
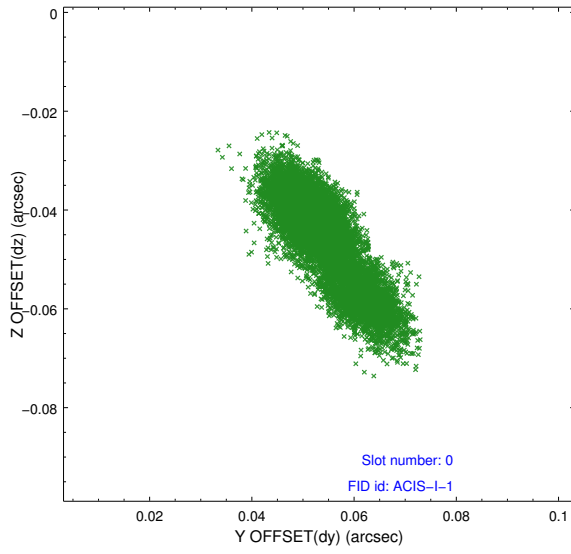


2.4.5 Slot 7

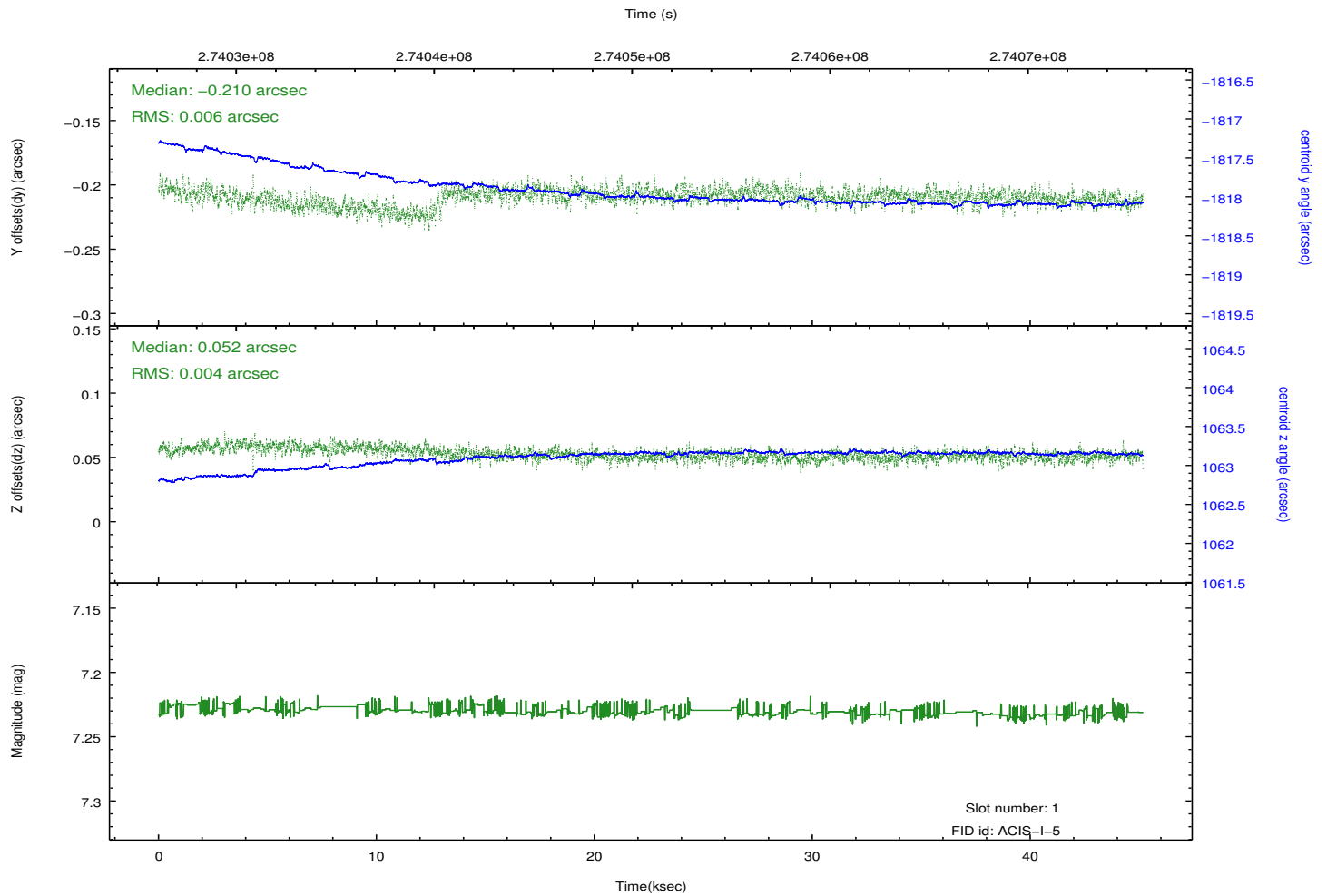
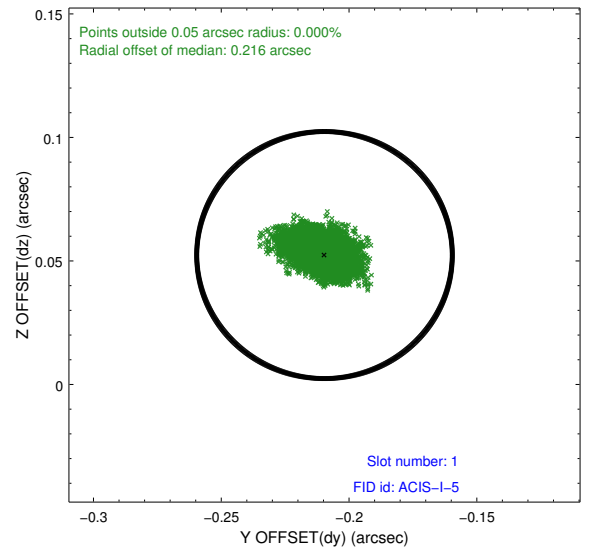
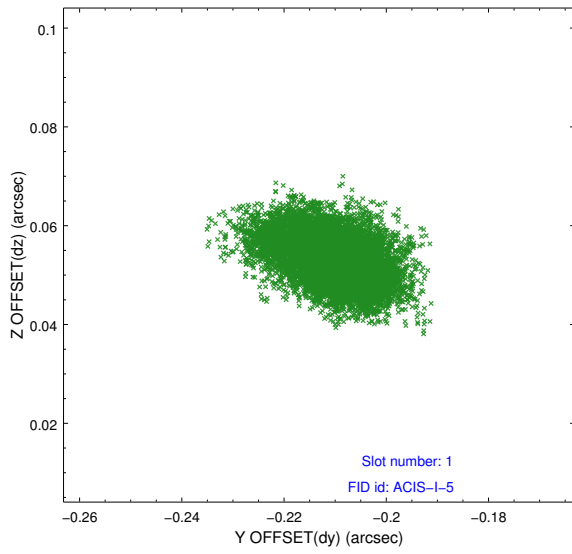


2.5 FID Slots

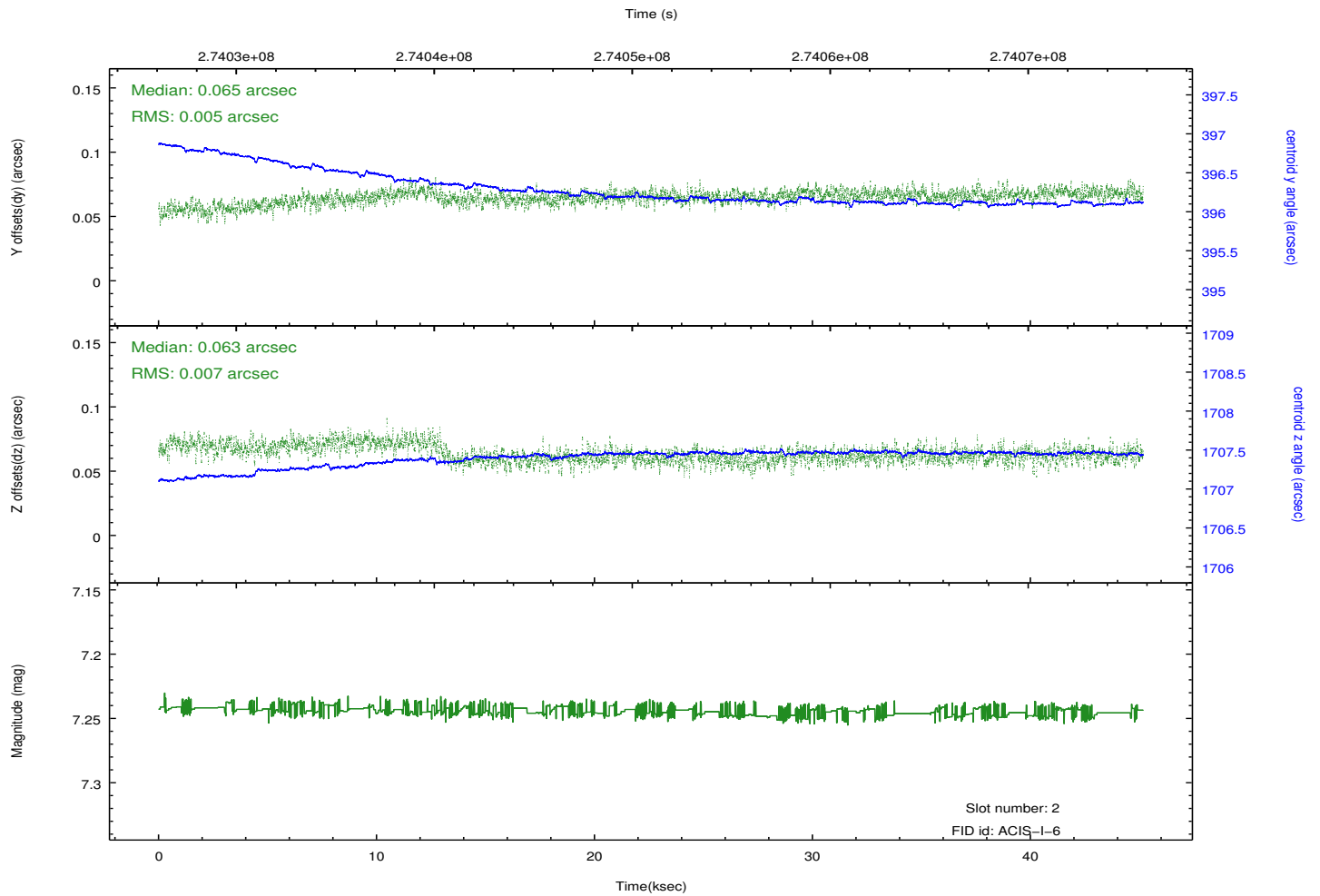
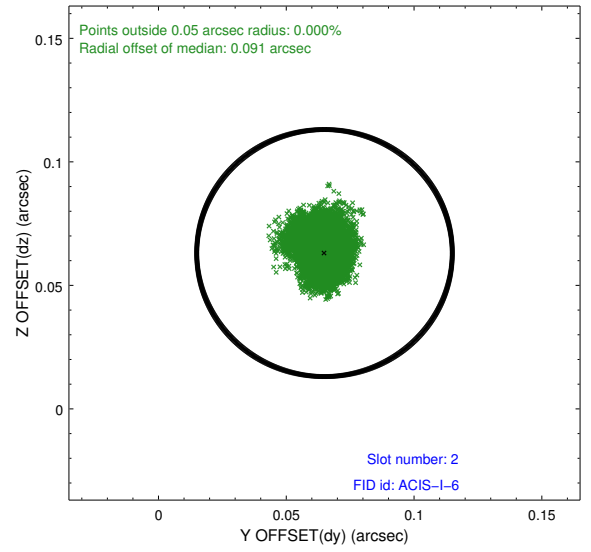
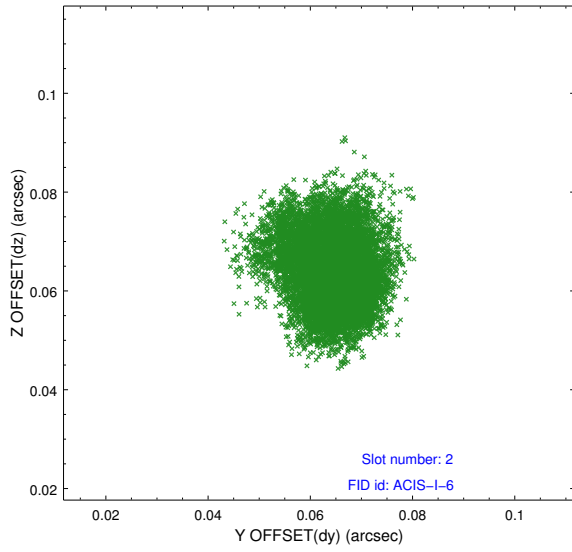
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.1615998

A.2 Comments

Roll preference met.