

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 7198 - L2 Version 3
Chandra X-Ray Center

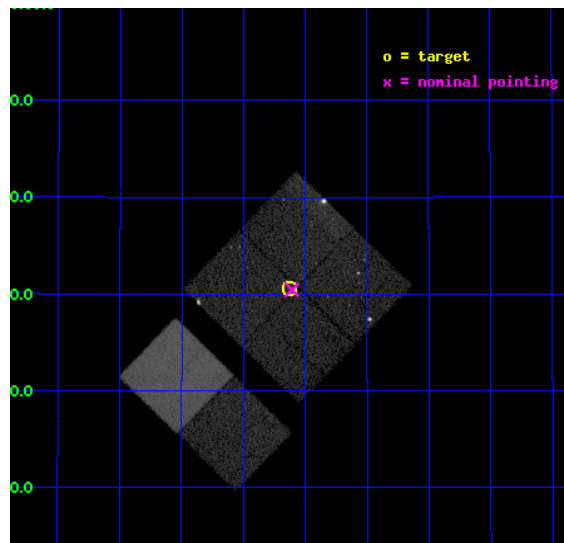
L2 Processing Date : Dec 31 2012

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1 Front

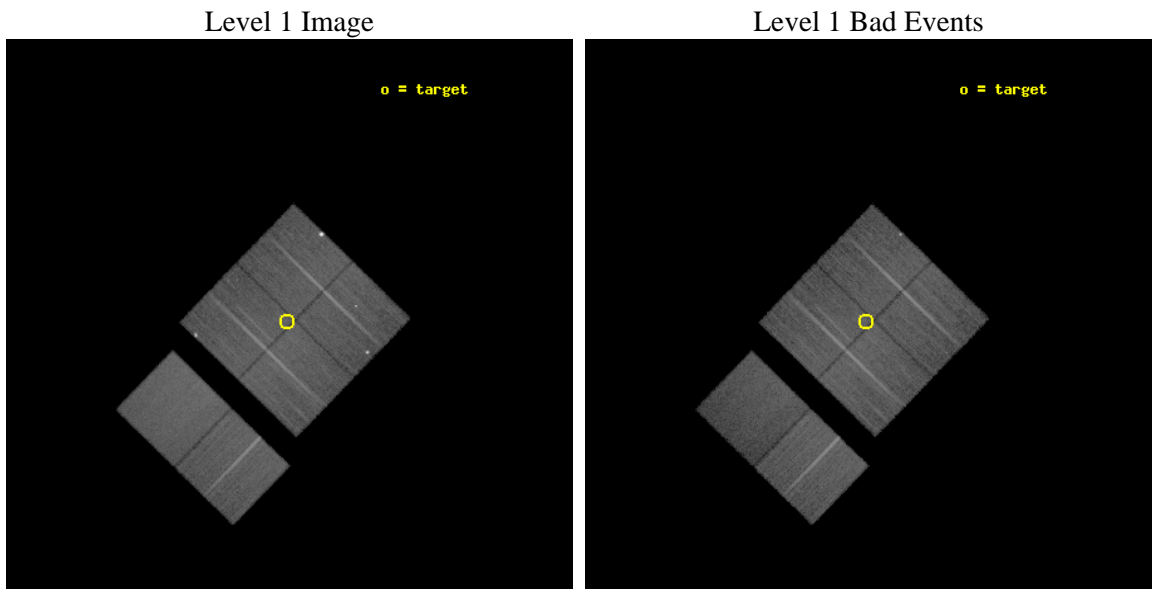
seq_num	600488	Sequence number
obs_id	7198	Observation id
title	The Chandra ACIS Survey of M33 (ChASem33): A Deep Survey of the Nearest Face-on Spiral Galaxy	Proposal title
observer	Dr Manami Sasaki	Principal investigator
object	M33 Field 6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	23.532083	Observer's specified target RA [deg]
dec_targ	30.509111	Observer's specified target Dec [deg]
ra_nom	23.527082238652	Nominal RA [deg]
dec_nom	30.507430280674	Nominal Dec [deg]
roll_nom	224.21122363663	Nominal Roll [deg]
revision	3	Processing version of data
ontime	22047.283841074	Sum of GTIs [s]
livetime	21768.107857797	Livetime [s]
ontime0	22047.160730988	Sum of GTIs [s]
ontime1	22047.201761067	Sum of GTIs [s]
ontime2	22047.242820978	Sum of GTIs [s]
ontime3	22047.283841074	Sum of GTIs [s]
ontime6	22050.606921285	Sum of GTIs [s]
ontime7	22050.565881282	Sum of GTIs [s]
l2events	158400	Number of level 2 events



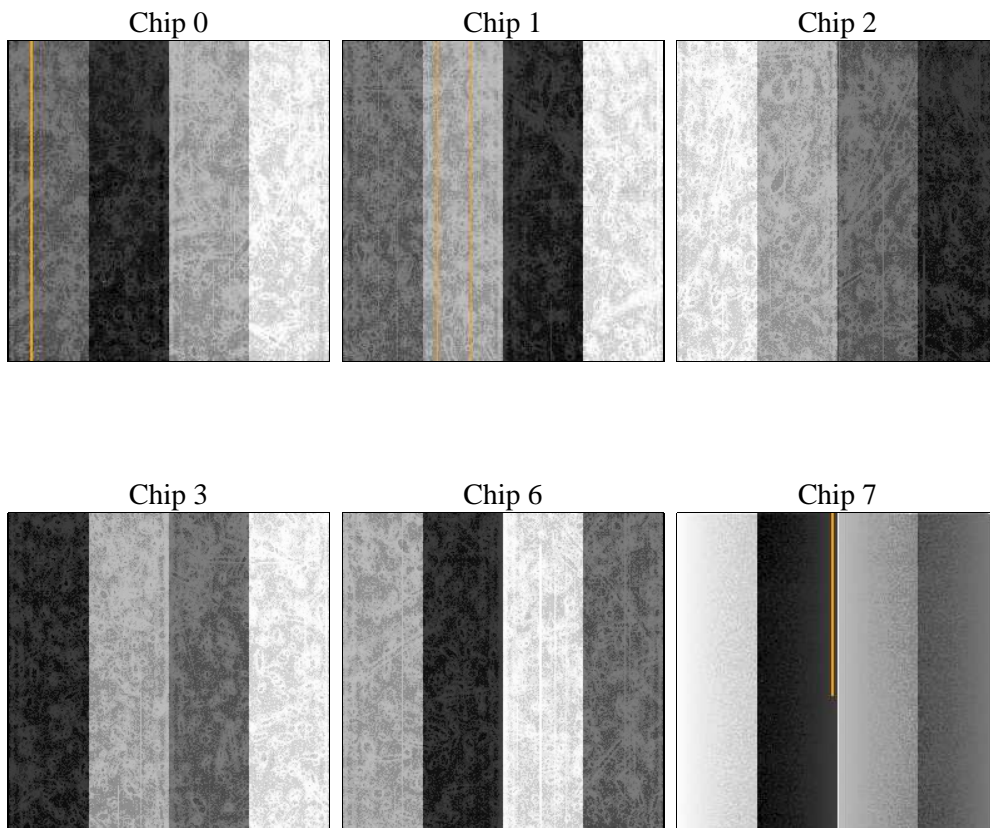
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	22047.283841074	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	22047.160730988	Sum of GTIs [s]
date	2012-12-31T10:14:25	Date and time of file creation	ontime1	22047.201761067	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	22047.242820978	Sum of GTIs [s]
			ontime3	22047.283841074	Sum of GTIs [s]
			ontime6	22050.606921285	Sum of GTIs [s]
			ontime7	22050.565881282	Sum of GTIs [s]
			l1events	907893	Number of level 1 events

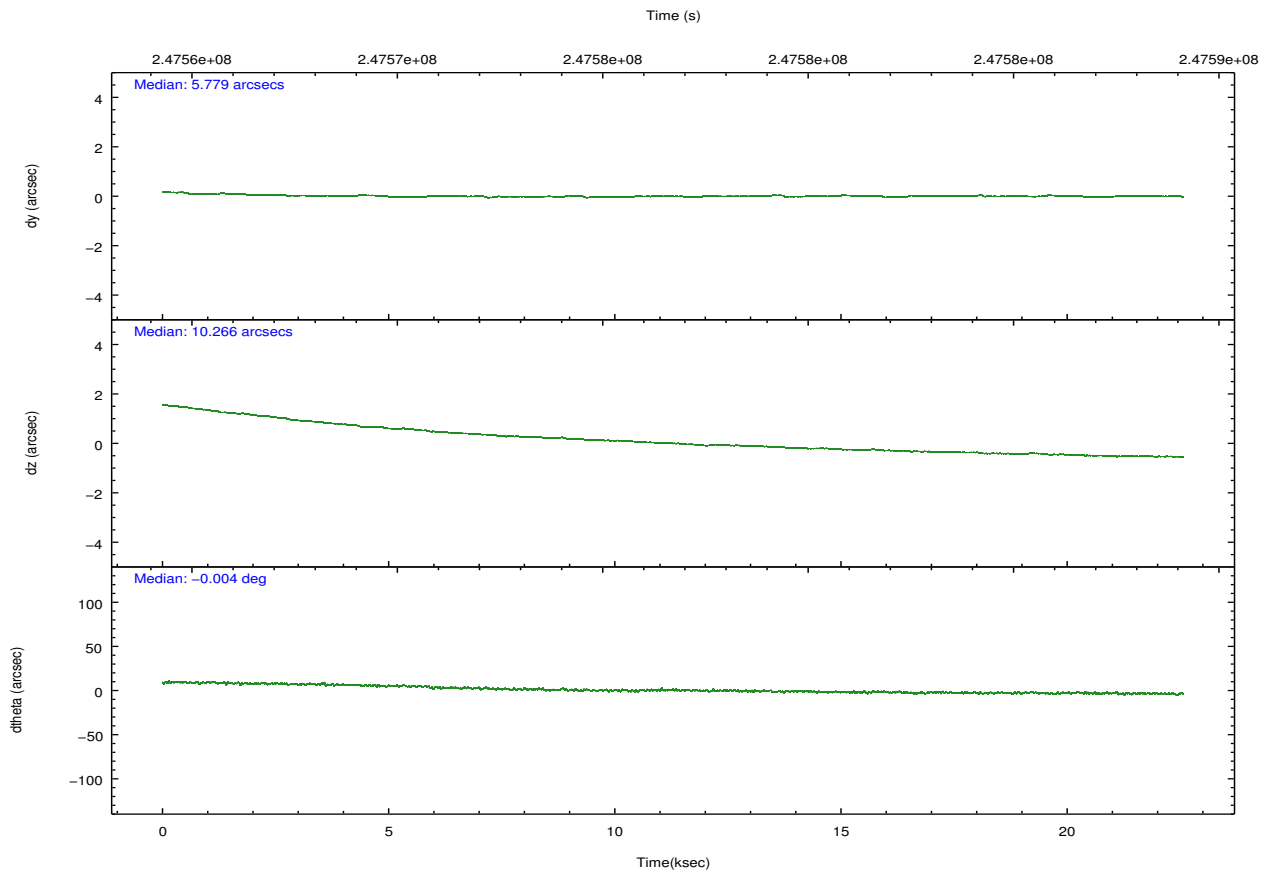
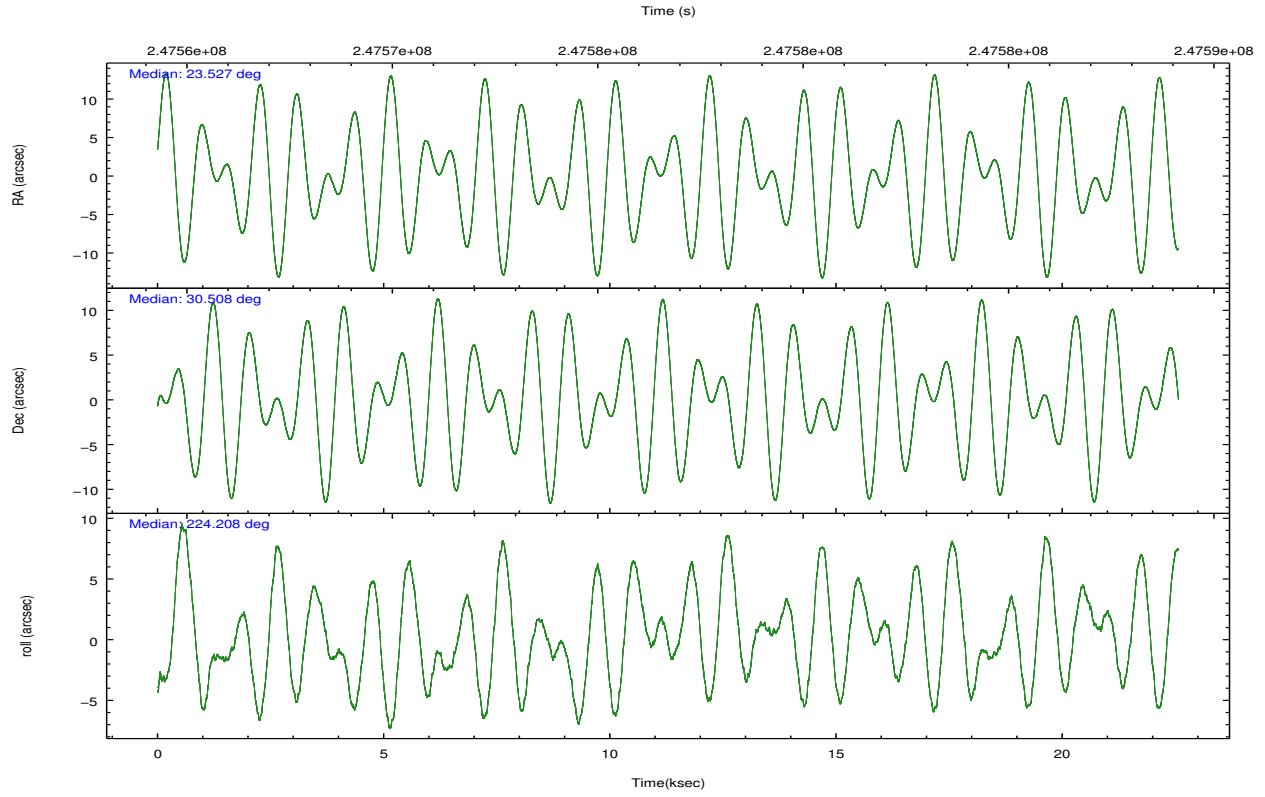
2.1.4 Events

	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	141093	158930	154810	142566	149926	160568	grade 0 events	9943	24477	5089	7766	4936	5936
rejected events	120687	119238	140926	125189	135281	88536		7%	15%	3%	5%	3%	3%
rejected %	85%	75%	91%	87%	90%	55%	grade 1 events	87	495	72	93	85	166
								0%	0%	0%	0%	0%	0%
							grade 2 events	4080	6072	3202	3345	3217	14162
								2%	3%	2%	2%	2%	8%
							grade 3 events	1809	2619	1469	1731	1676	6674
								1%	1%	0%	1%	1%	4%
							grade 4 events	1725	2549	1518	1697	1671	6662
								1%	1%	0%	1%	1%	4%
							grade 5 events	4954	5659	4576	5752	6143	17034
								3%	3%	2%	4%	4%	10%
							grade 6 events	2853	3982	2610	2840	3148	38610
								2%	2%	1%	1%	2%	24%
							grade 7 events	115642	113077	136274	119342	129050	71324
								81%	71%	88%	83%	86%	44%

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	23.535589	23.527082238652	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.533805	30.50743028067409	Alternating exposures requested	N	N
[deg] Pointing Roll	223.998215	224.2112236366333	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7823481983384333			
[mm] SIM defocus	0	1.724155329618782e-08			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	247565997.184000	247564796.80212			
Observation start date	2005-11-05T08:18:53	2005-11-05T07:59:56			
[s] Observation end time (MET)	247587997.184000	247588730.04072			
Observation end date	2005-11-05T14:25:33	2005-11-05T14:38:50			
Read mode	TIMED	TIMED			

2.3 Aspect

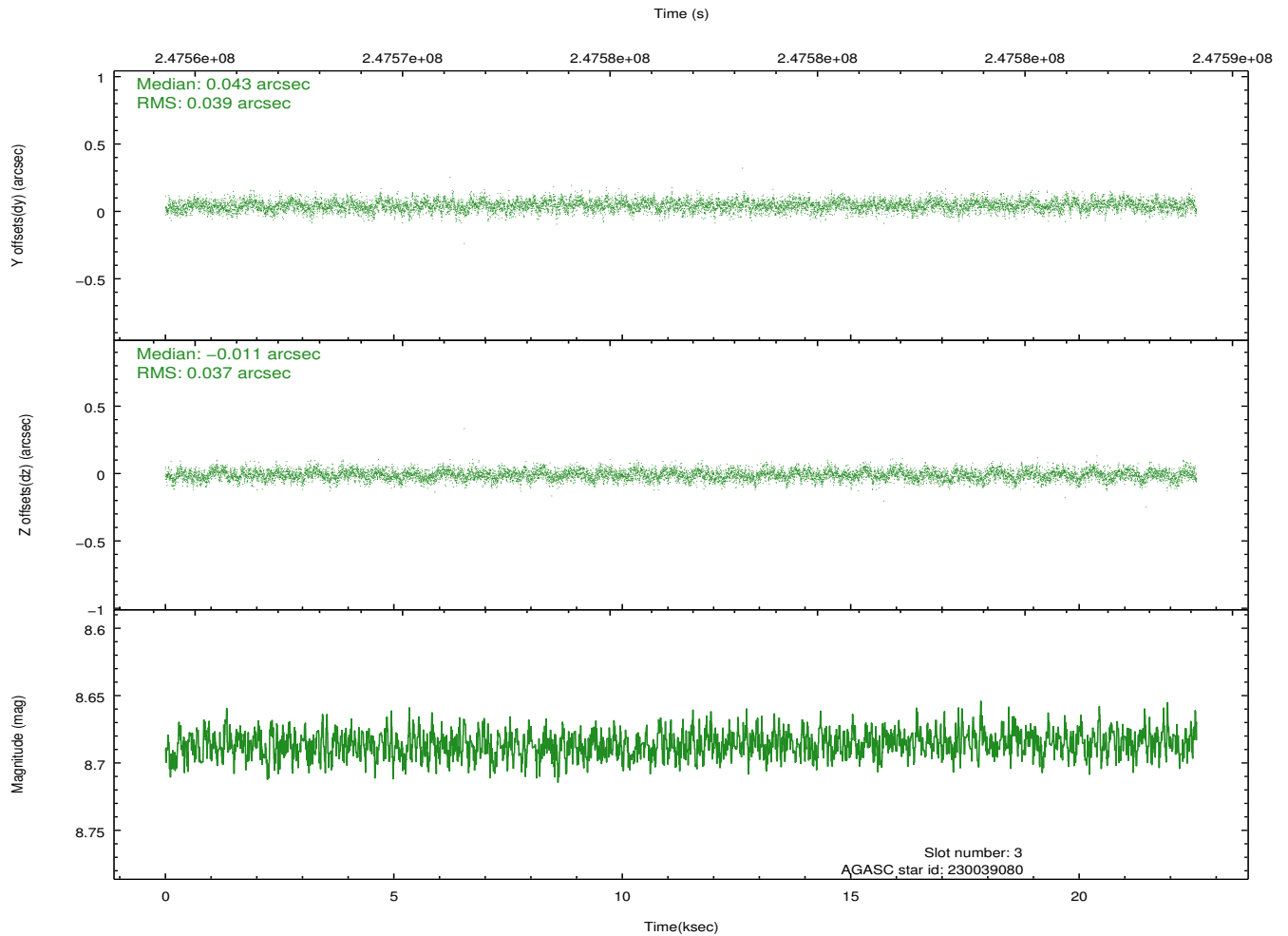
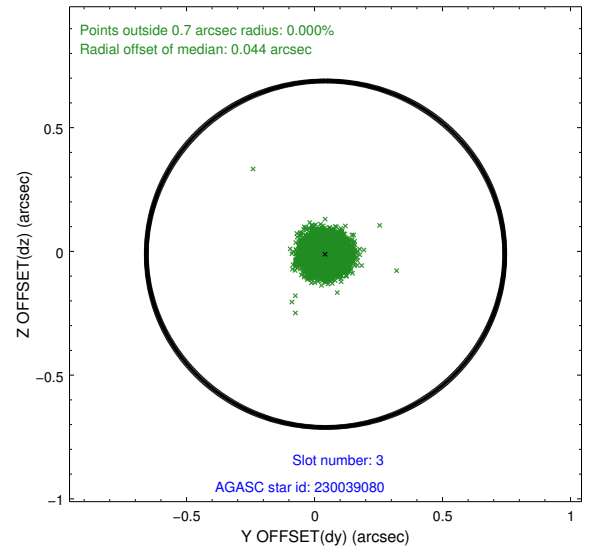
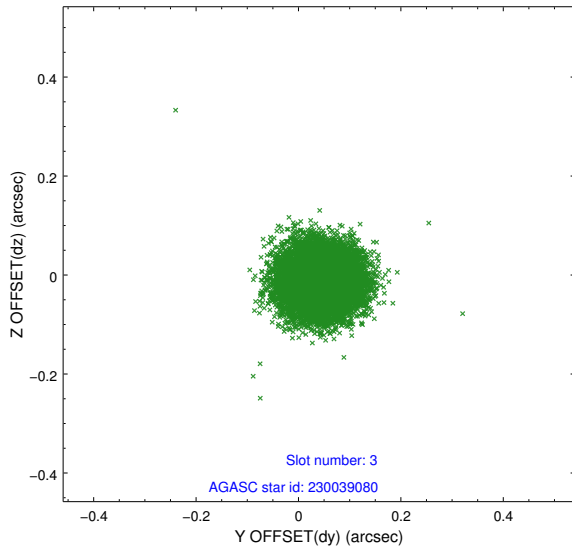


Slot Statistics

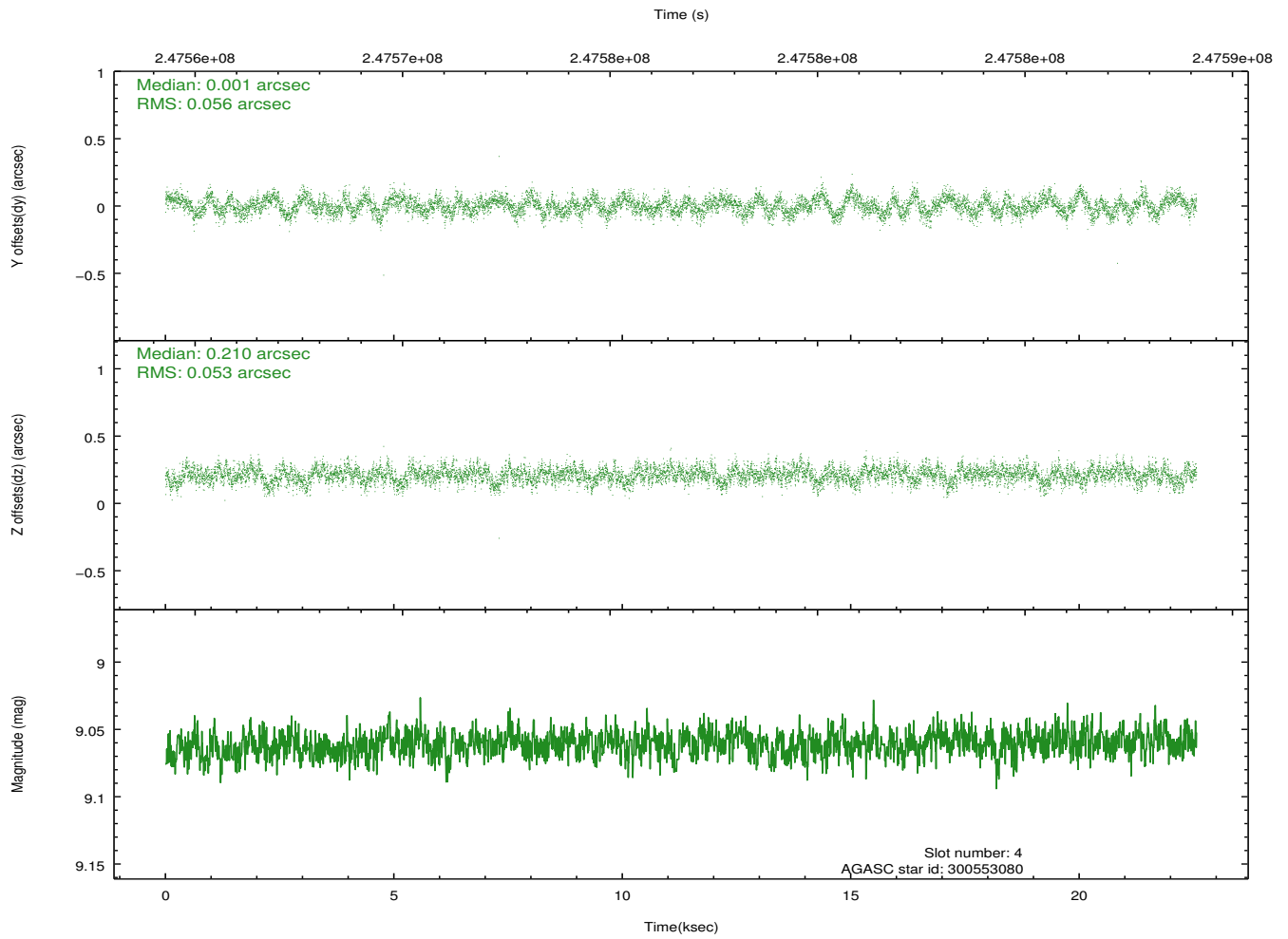
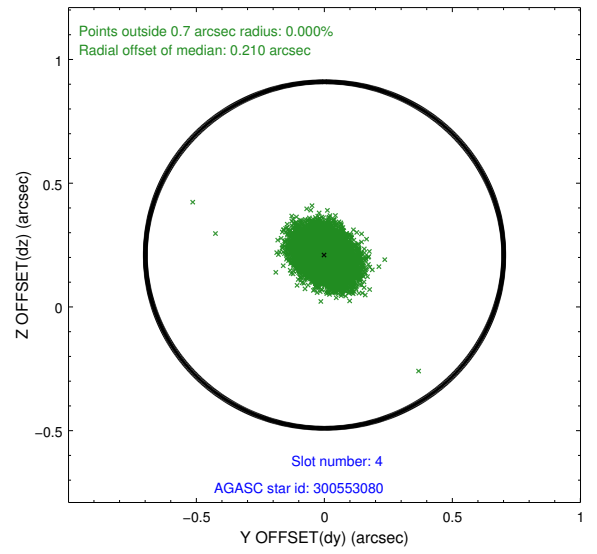
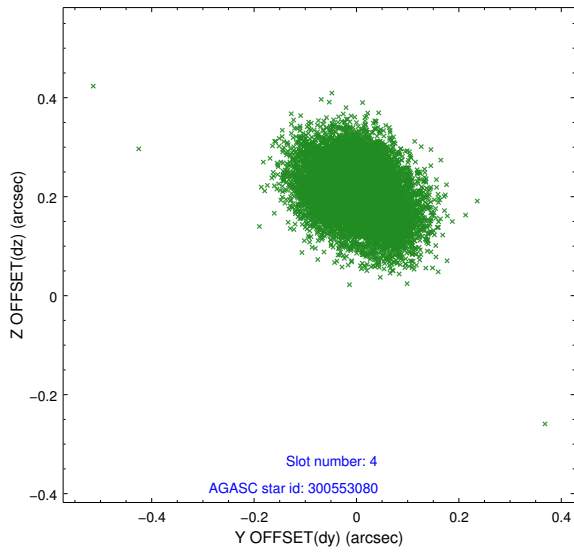
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	5504	0.004	0.018	0.009	0.014	0.000000	0.000000	933.96	-833.85
1	FID	ACIS-I-2	7.15	5505	-0.079	-0.012	0.021	0.032	0.000000	0.000000	-760.13	-840.46
2	FID	ACIS-I-6	7.25	5505	-0.016	0.064	0.023	0.031	0.000000	0.000000	399.43	1707.92
3	GUIDE	230039080	8.69	11000	0.043	-0.011	0.057	0.091	23.320866	29.887774	2097.57	1207.52
4	GUIDE	300553080	9.06	11006	0.001	0.210	0.082	0.134	23.777101	30.773227	-1136.11	-101.13
5	GUIDE	300559160	9.40	10985	0.026	-0.102	0.101	0.169	24.161026	30.632205	-1643.26	1087.21
6	GUIDE	300559832	7.87	11010	-0.020	-0.101	0.057	0.092	24.407732	30.552794	-1999.70	1821.70
7	GUIDE	300559960	7.88	11005	-0.050	0.010	0.063	0.099	22.944463	30.624765	1086.57	-1510.09

2.4 Star Slots

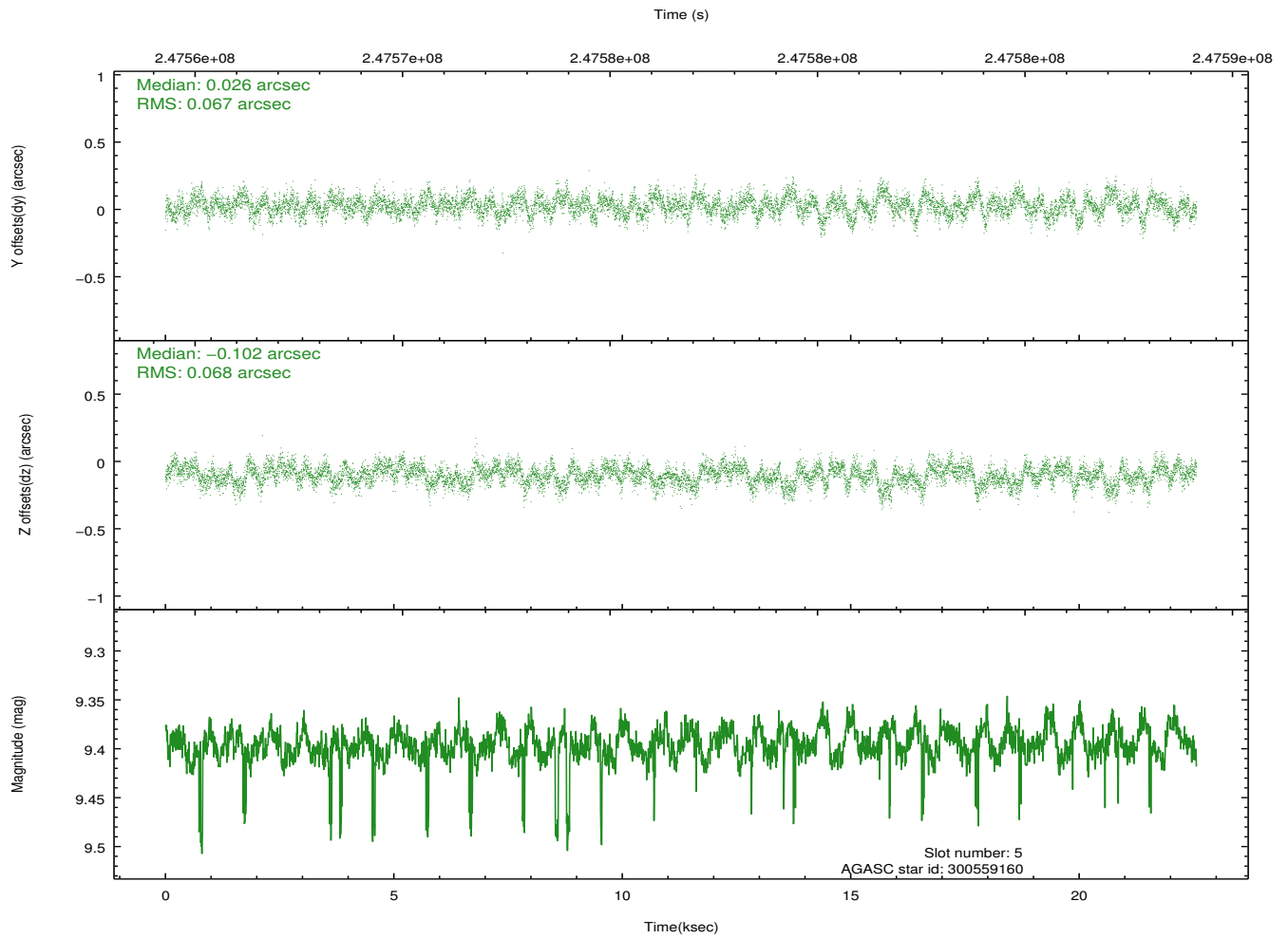
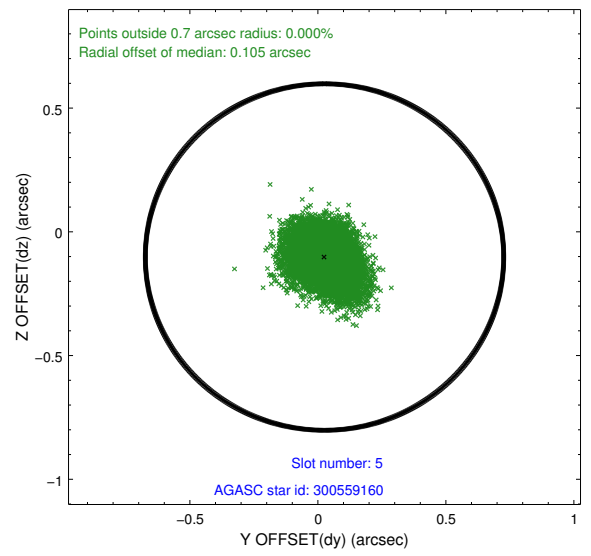
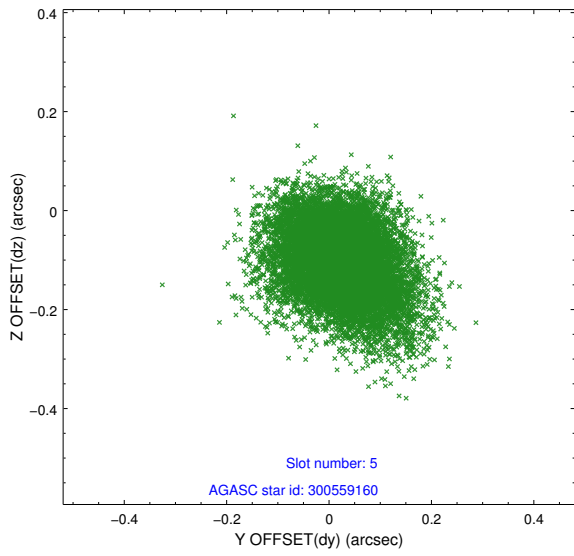
2.4.1 Slot 3



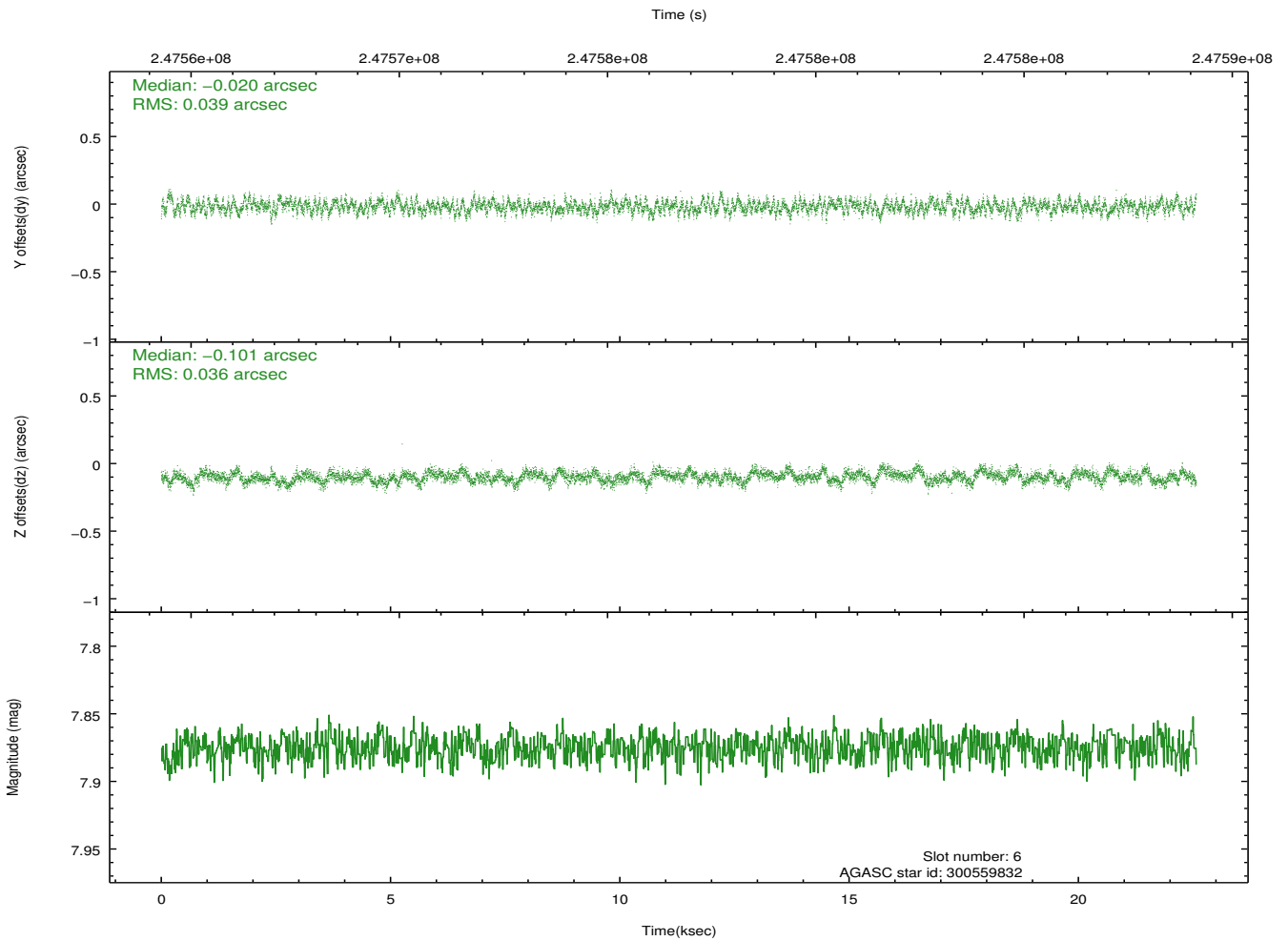
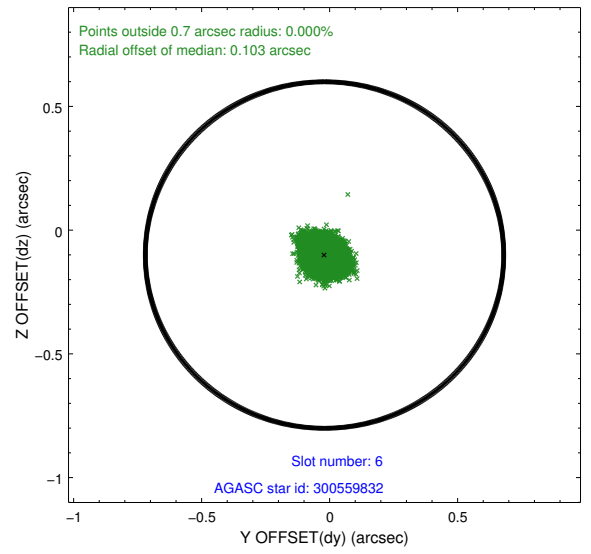
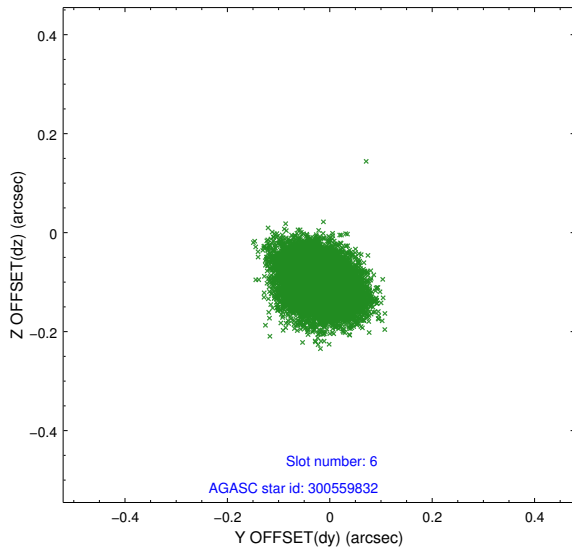
2.4.2 Slot 4



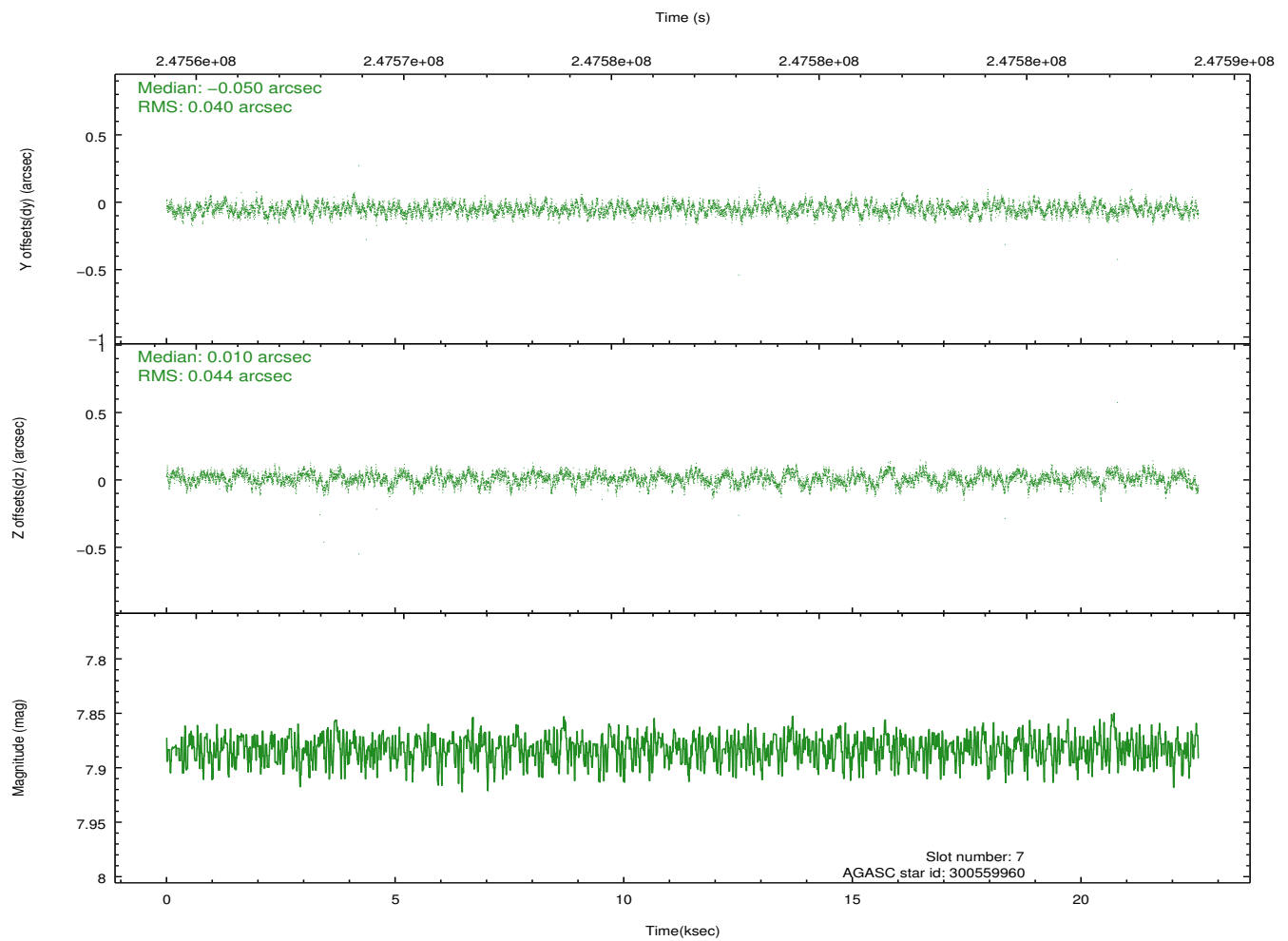
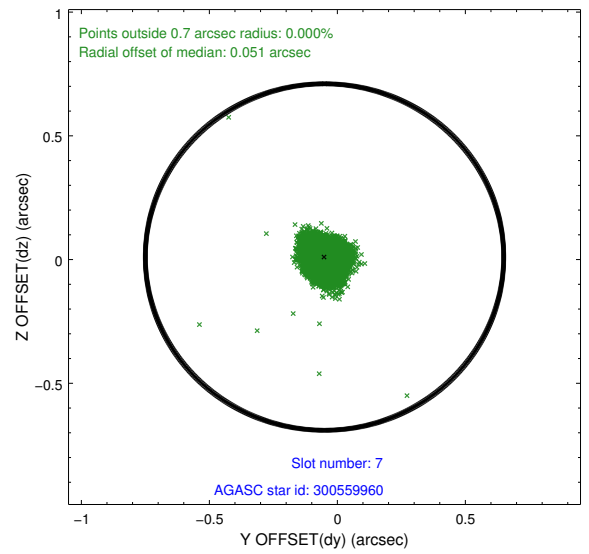
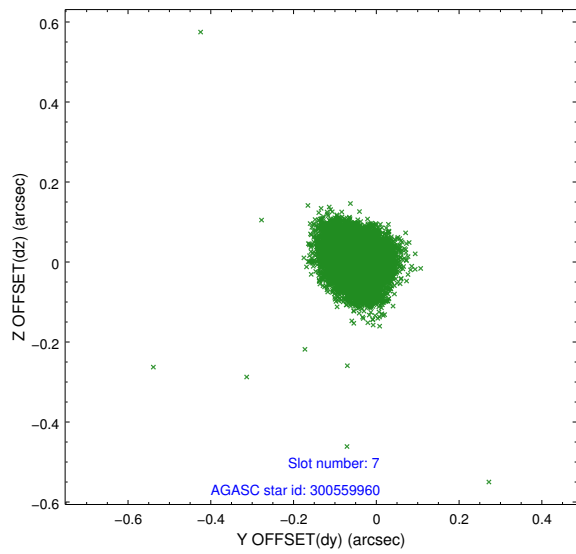
2.4.3 Slot 5



2.4.4 Slot 6

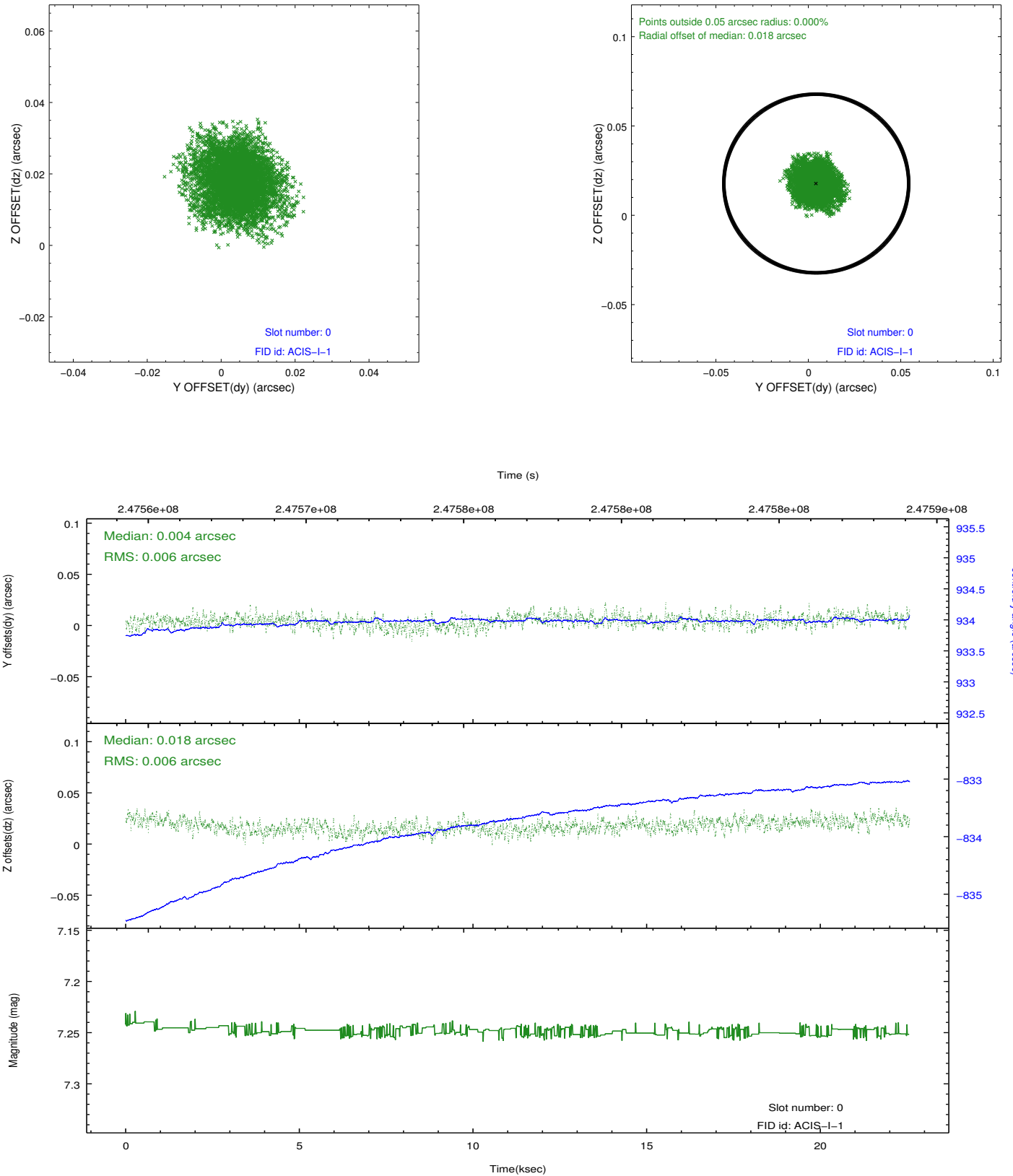


2.4.5 Slot 7

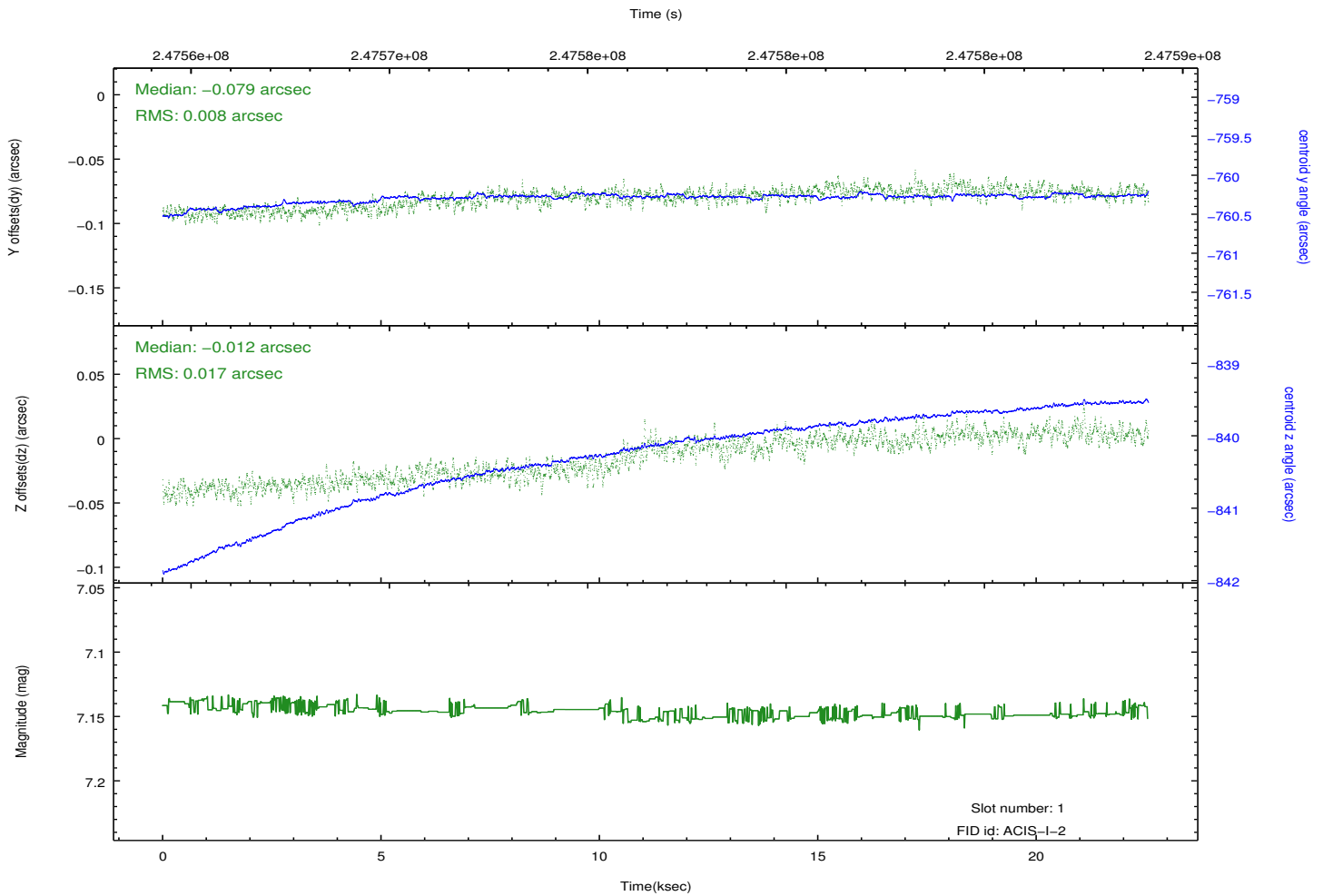
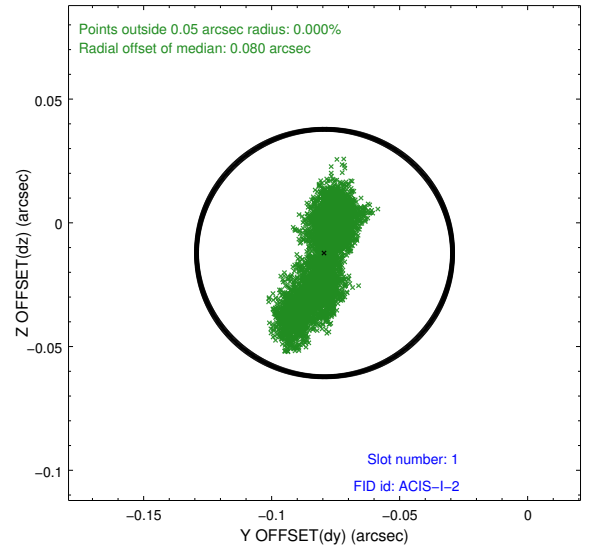
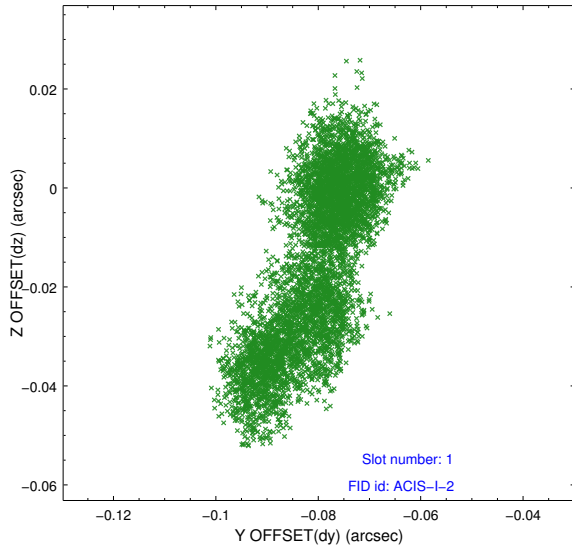


2.5 FID Slots

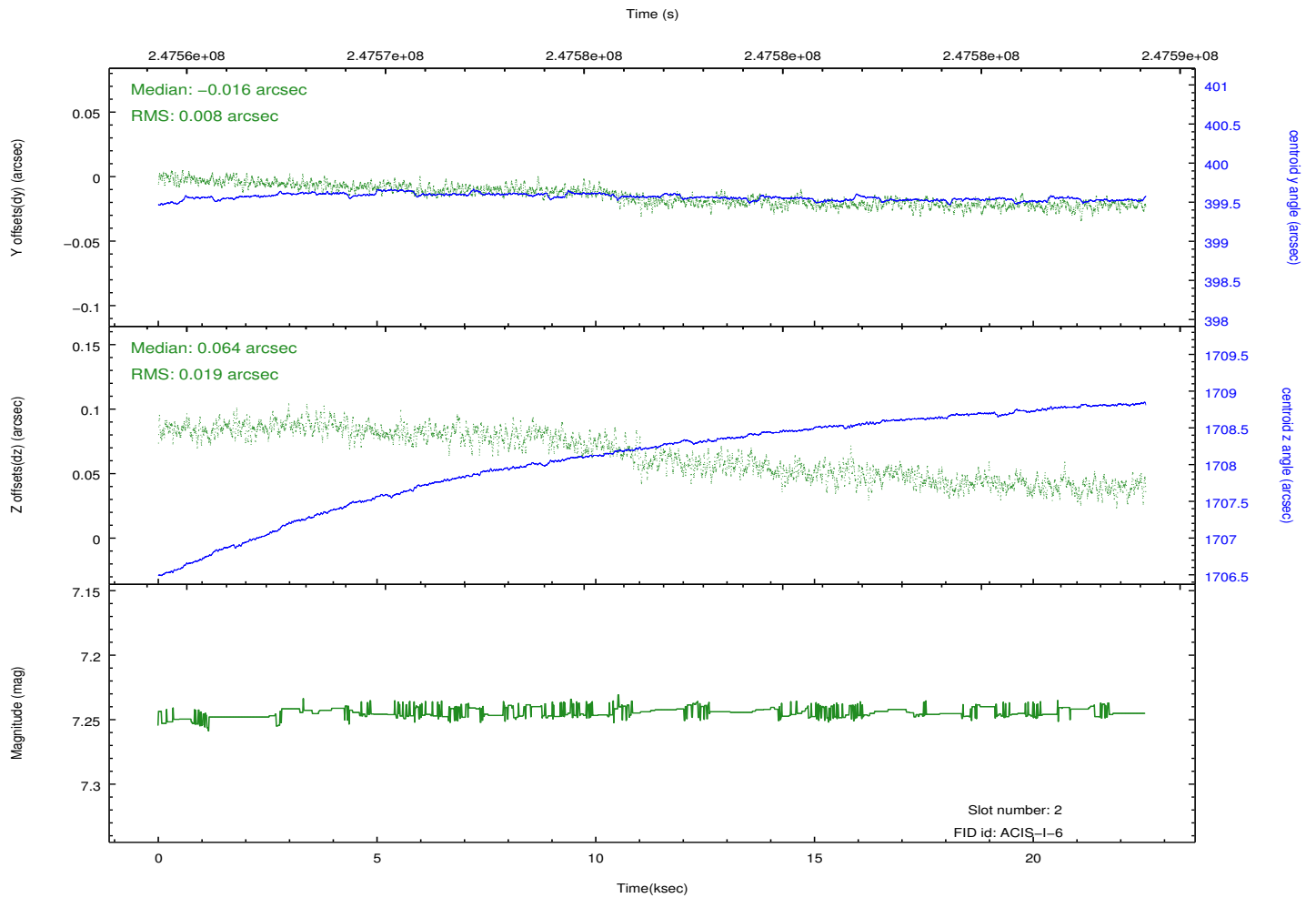
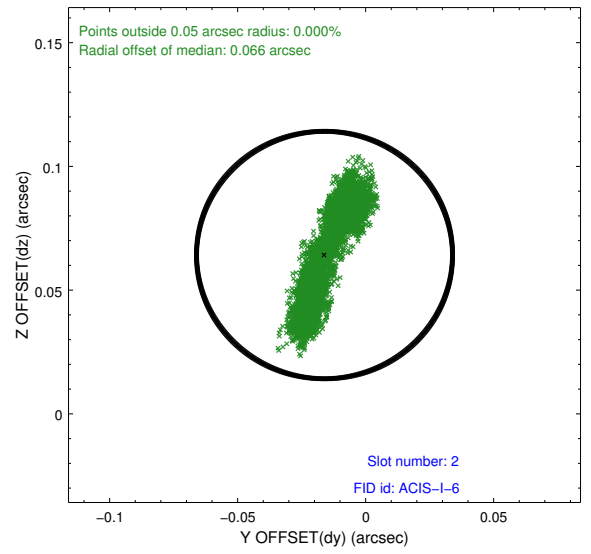
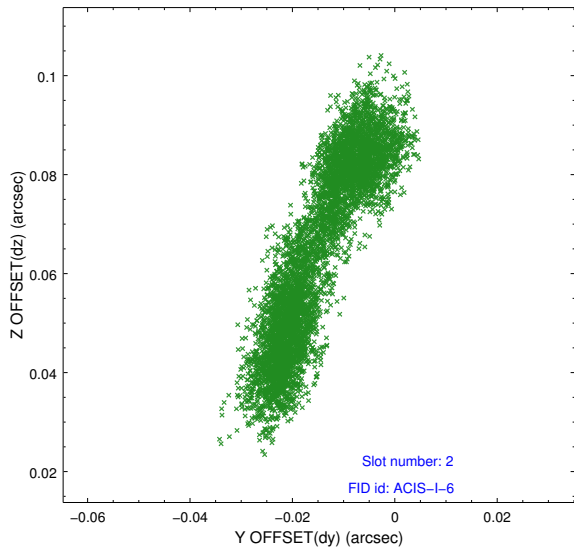
2.5.1 Slot 0



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)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.04795

A.2 Comments

Roll preference met.