

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13673 - L2 Version 1
Chandra X-Ray Center

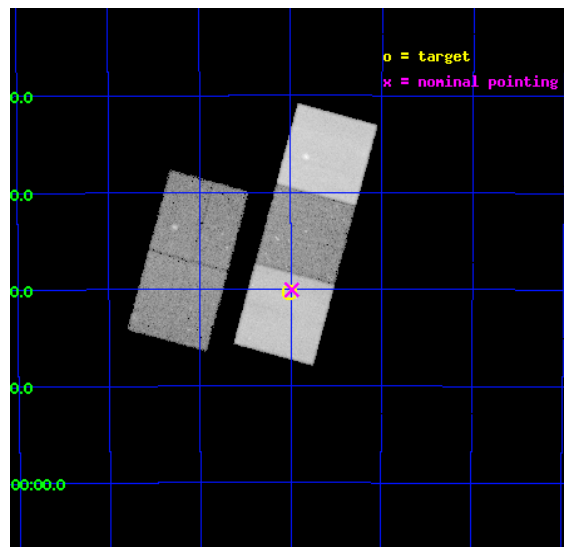
L2 Processing Date : Jan 4 2012

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1 Front

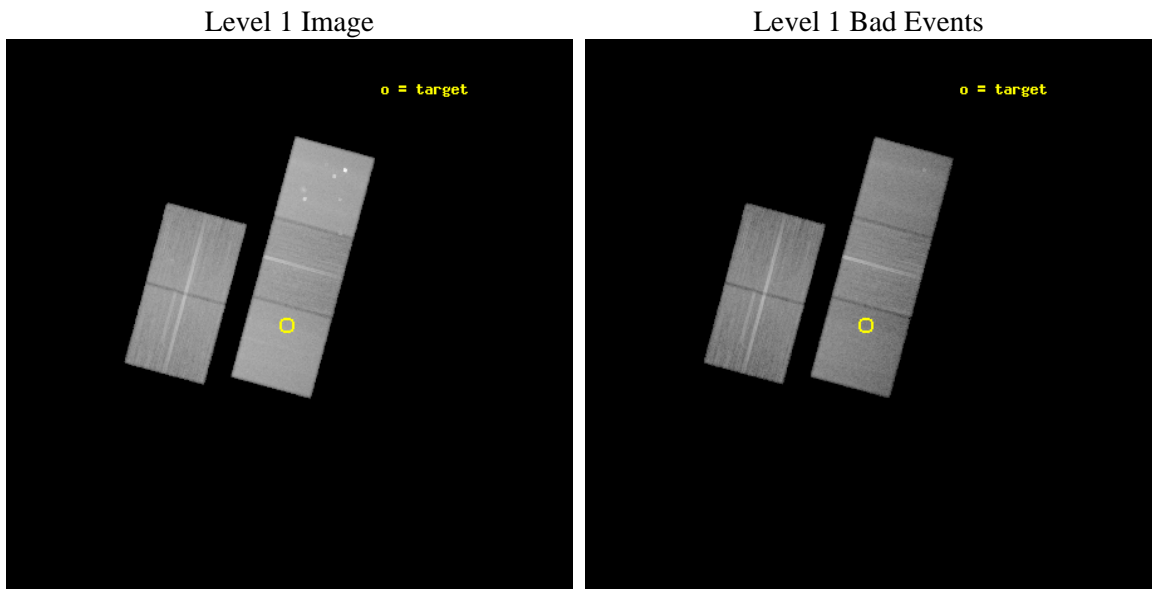
seq_num	300304	Sequence number
obs_id	13673	Observation id
title	Close binary populations in metal-rich globular clusters	Proposal
observer	Prof. Albert Kong	Principal investigator
object	NGC5927	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.002917	Observer's specified target RA [deg]
dec_targ	-50.673028	Observer's specified target Dec [deg]
ra_nom	231.99666952557	Nominal RA [deg]
dec_nom	-50.668103949996	Nominal Dec [deg]
roll_nom	105.11605017269	Nominal Roll [deg]
revision	1	Processing version of data
ontime	48043.577278674	Sum of GTIs [s]
livetime	47415.852572361	Livetime [s]
ontime2	48040.272128344	Sum of GTIs [s]
ontime3	48043.454158664	Sum of GTIs [s]
ontime5	48043.53623867	Sum of GTIs [s]
ontime6	48037.213218212	Sum of GTIs [s]
ontime7	48043.577278674	Sum of GTIs [s]
l2events	469957	Number of level 2 events



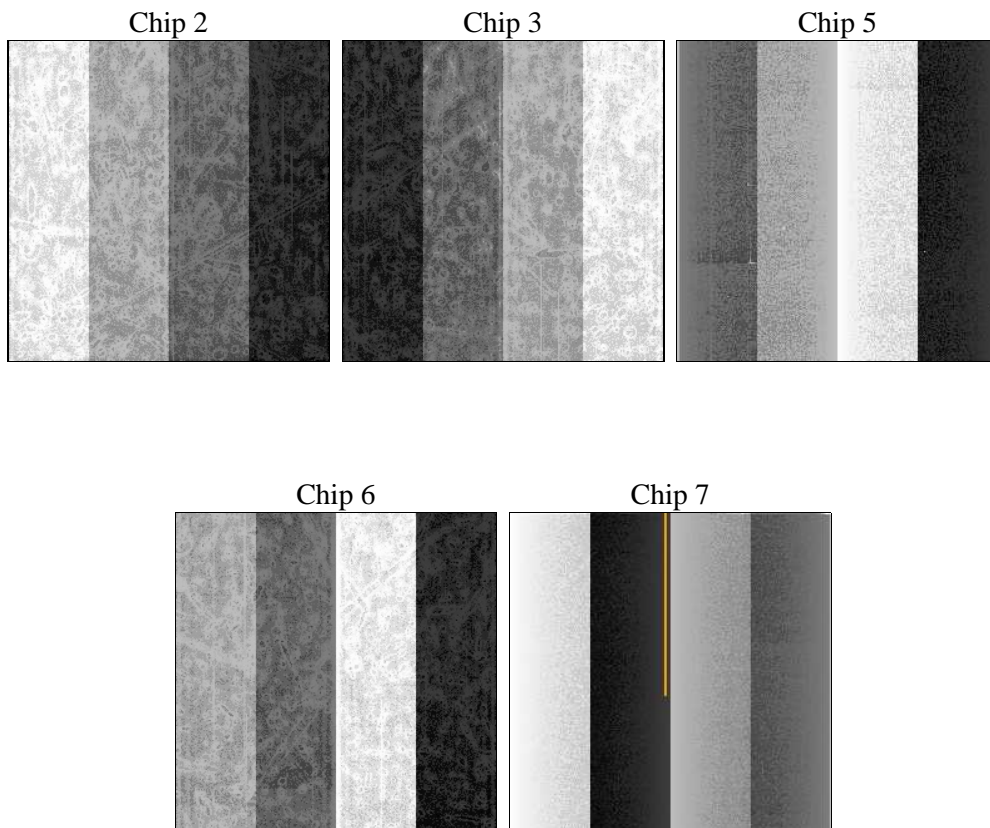
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	48043.577278674	Sum of GTIs [s]
caldbver	4.4.7	 	ontime2	48040.272128344	Sum of GTIs [s]
date	2012-01-04T22:37:43	Date and time of file creation	ontime3	48043.454158664	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	48043.53623867	Sum of GTIs [s]
			ontime6	48037.213218212	Sum of GTIs [s]
			ontime7	48043.577278674	Sum of GTIs [s]
			l1events	1734581	Number of level 1 events

2.1.4 Events

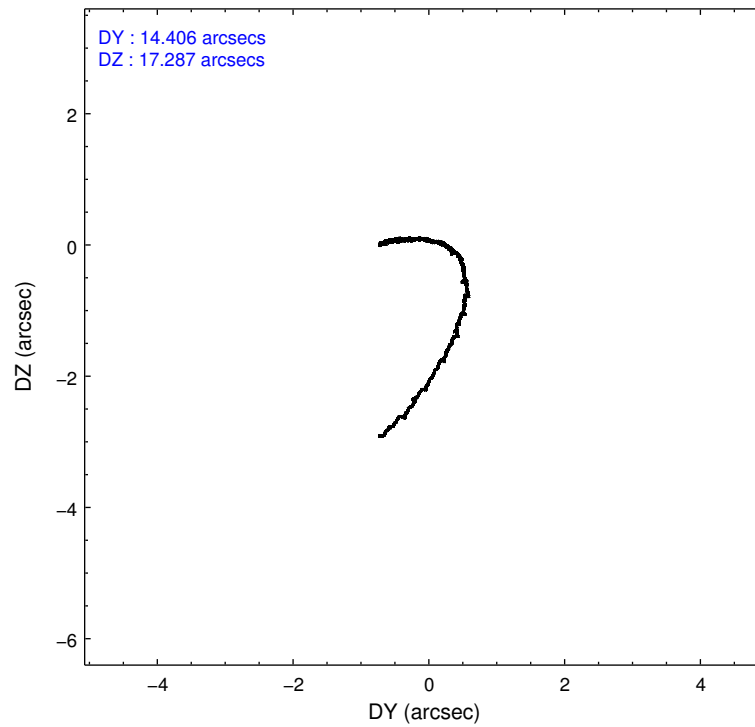
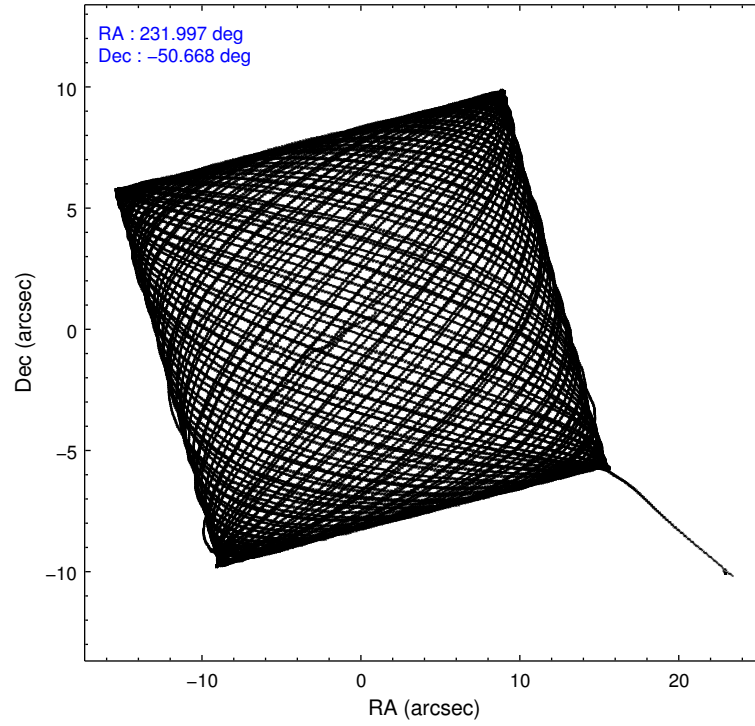
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	290784	280714	484042	296852	382189
rejected events	257275	249056	239819	260842	213008
rejected %	88%	88%	49%	87%	55%

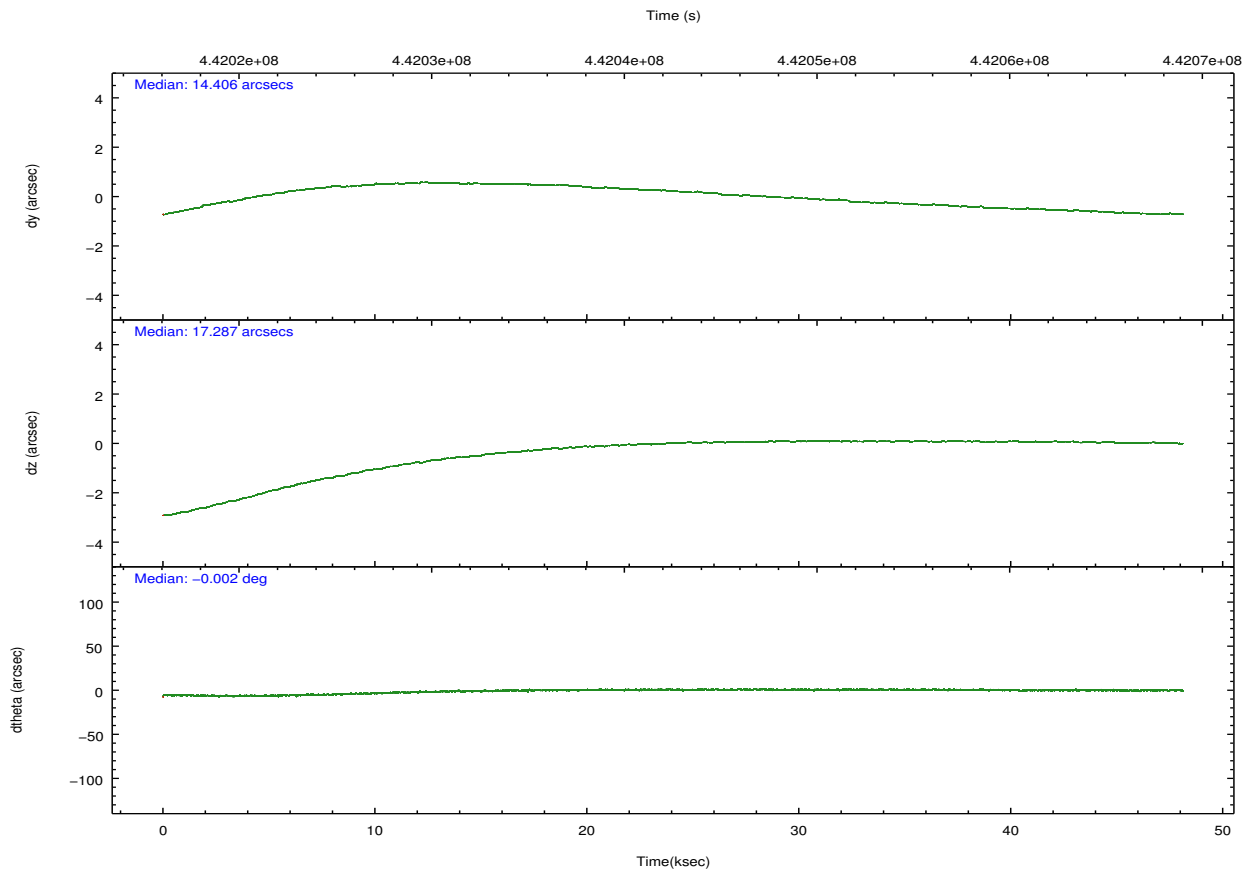
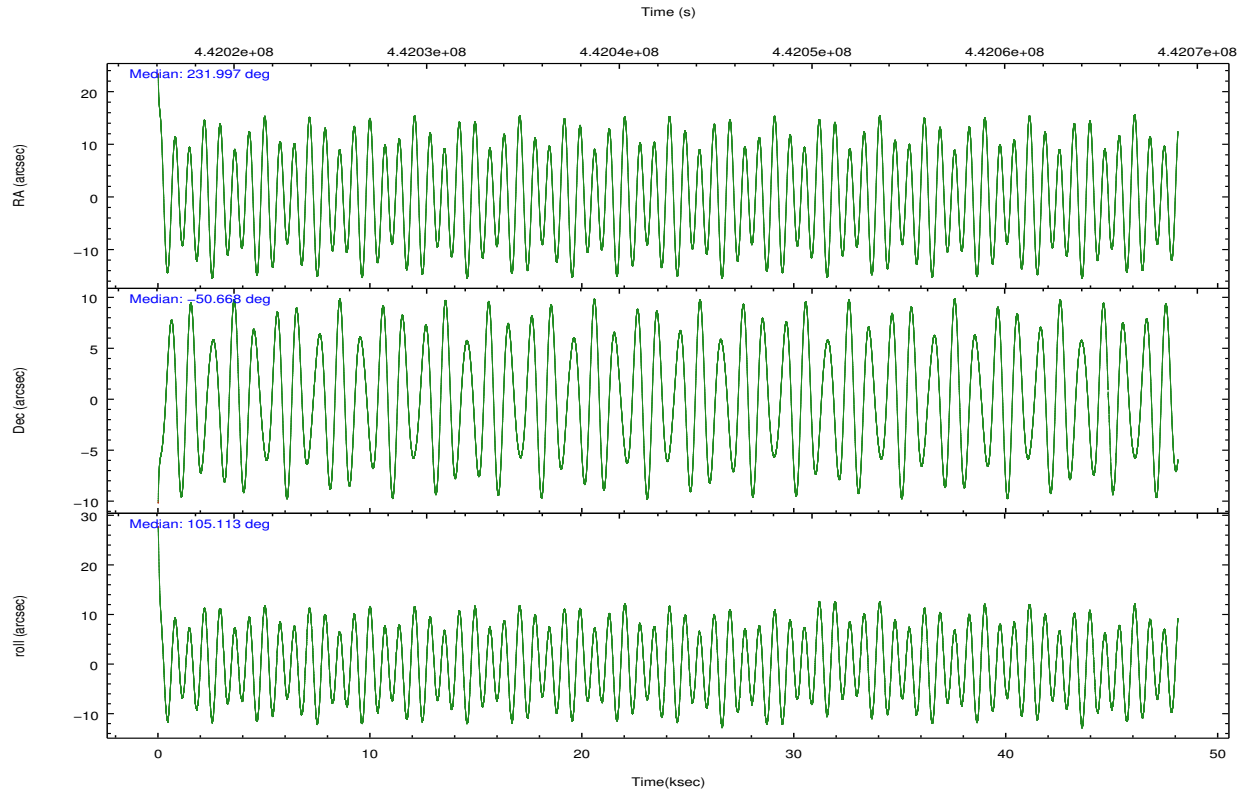
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	12508	11119	25723	12861	15509
	4%	3%	5%	4%	4%
grade 1 events	170	202	1187	171	431
	0%	0%	0%	0%	0%
grade 2 events	8126	7240	78808	7956	34715
	2%	2%	16%	2%	9%
grade 3 events	3301	3486	8623	3700	14747
	1%	1%	1%	1%	3%
grade 4 events	3375	3397	8234	3524	14508
	1%	1%	1%	1%	3%
grade 5 events	12136	14223	35469	14004	39729
	4%	5%	7%	4%	10%
grade 6 events	6204	6418	122861	7974	89722
	2%	2%	25%	2%	23%
grade 7 events	244964	234629	203137	246662	172828
	84%	83%	41%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	232.027658	231.9966695255675	CCD I2 on	O1	Y
[deg] Pointing Dec	-50.687118	-50.66810394999559	CCD I3 on	O2	Y
[deg] Pointing Roll	104.983395	105.1160501726904	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	442018589.184000	442017371.60925	CCD S5 on	N	N
Observation start date	2012-01-03T22:55:23	2012-01-03T22:36:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	442066589.184000	442067650.9369	On-chip summing requested	N	N
Observation end date	2012-01-04T12:15:23	2012-01-04T12:34:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



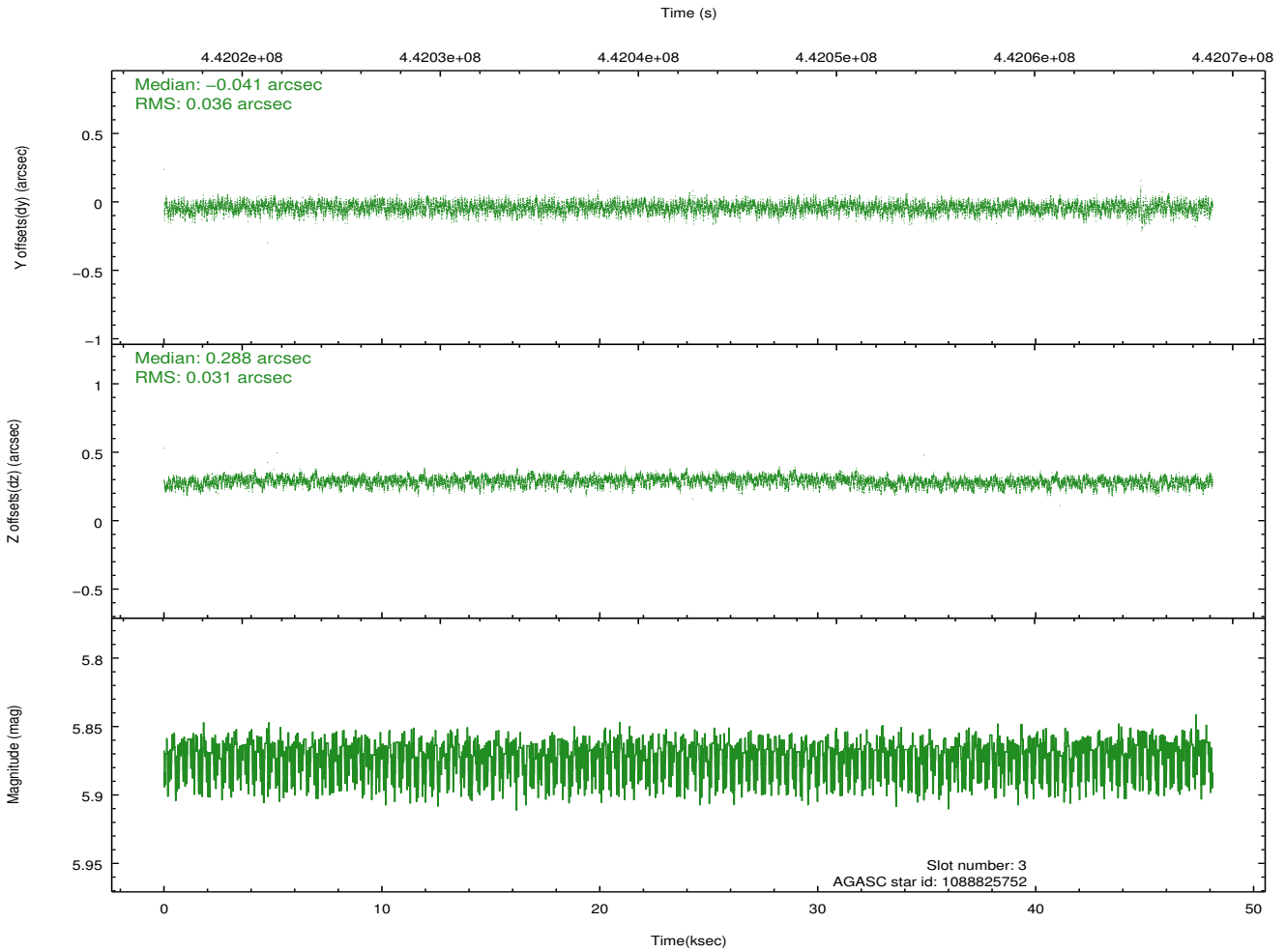
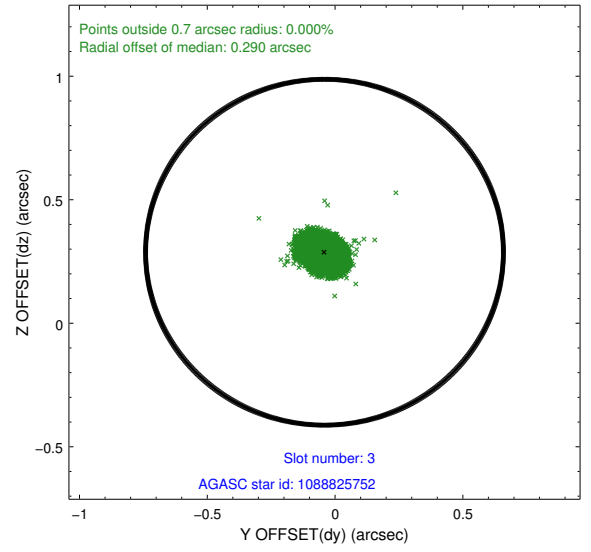
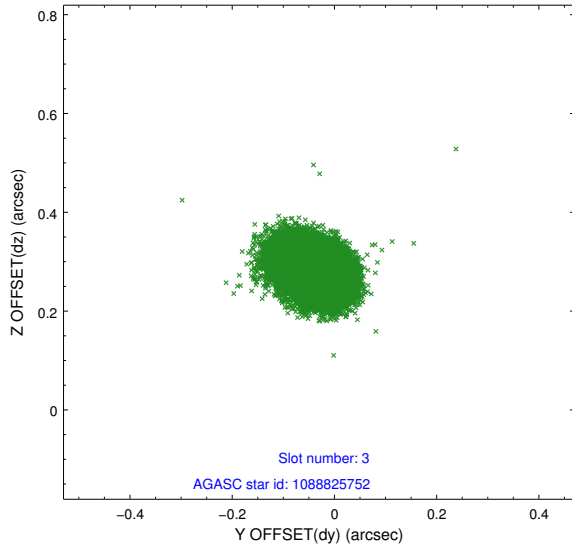


Slot Statistics

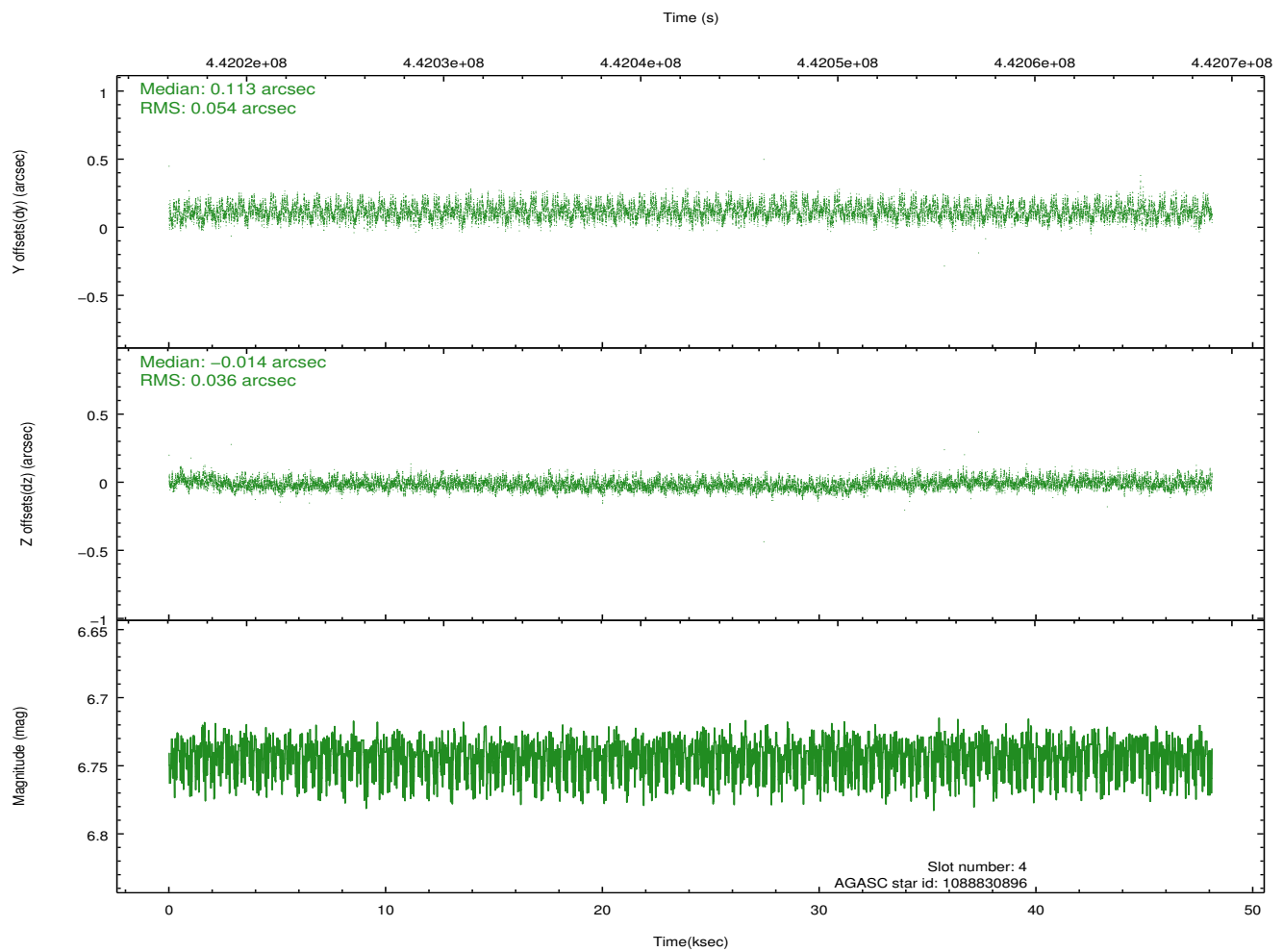
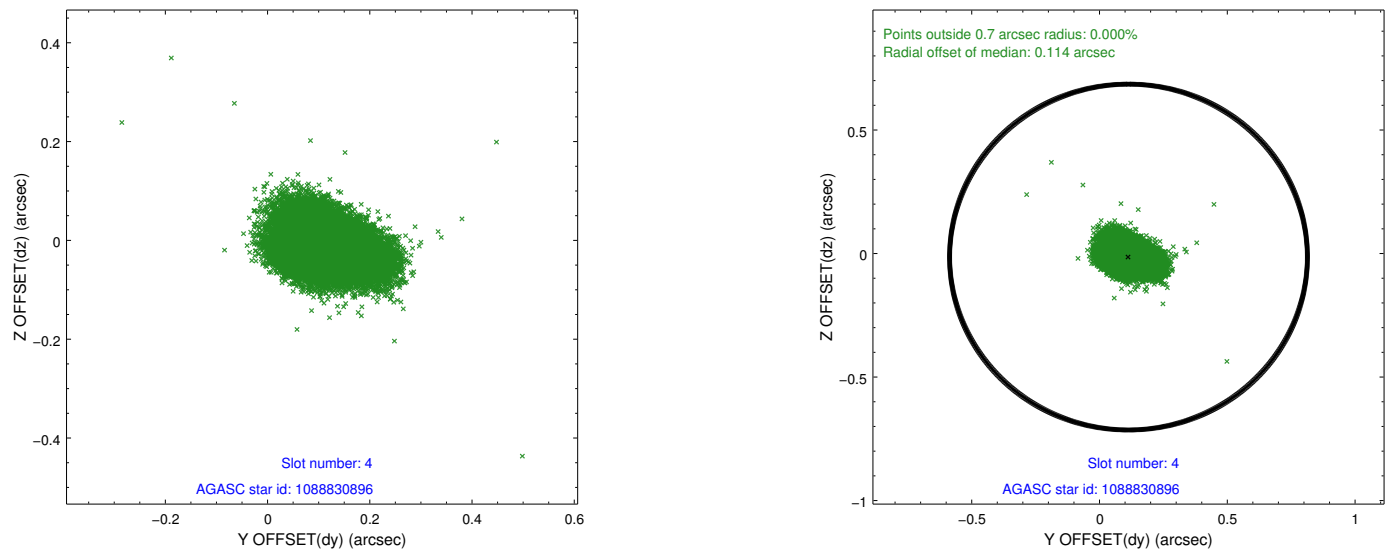
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	11736	-0.075	-0.036	0.027	0.041	0.000000	0.000000	-767.45	-1738.19
1	FID	ACIS-S-4	6.98	11736	0.228	0.046	0.011	0.018	0.000000	0.000000	2146.18	170.32
2	FID	ACIS-S-5	7.01	11735	-0.184	0.000	0.030	0.041	0.000000	0.000000	-1820.38	164.02
3	GUIDE	1088825752	5.87	23471	-0.041	0.288	0.051	0.082	233.068856	-50.871168	-1267.62	-2108.74
4	GUIDE	1088830896	6.74	23471	0.113	-0.014	0.069	0.112	231.399339	-51.341035	-1914.47	1975.22
5	GUIDE	1088300904	7.72	23467	-0.149	0.003	0.066	0.114	232.329292	-49.953080	2370.45	-1354.54
6	GUIDE	1088826360	8.17	23456	0.010	-0.474	0.064	0.104	231.331797	-51.301166	-1737.66	2086.54
7	GUIDE	1088824984	7.98	23459	0.067	0.196	0.059	0.096	233.096625	-50.657614	-544.85	-2379.06

2.4 Star Slots

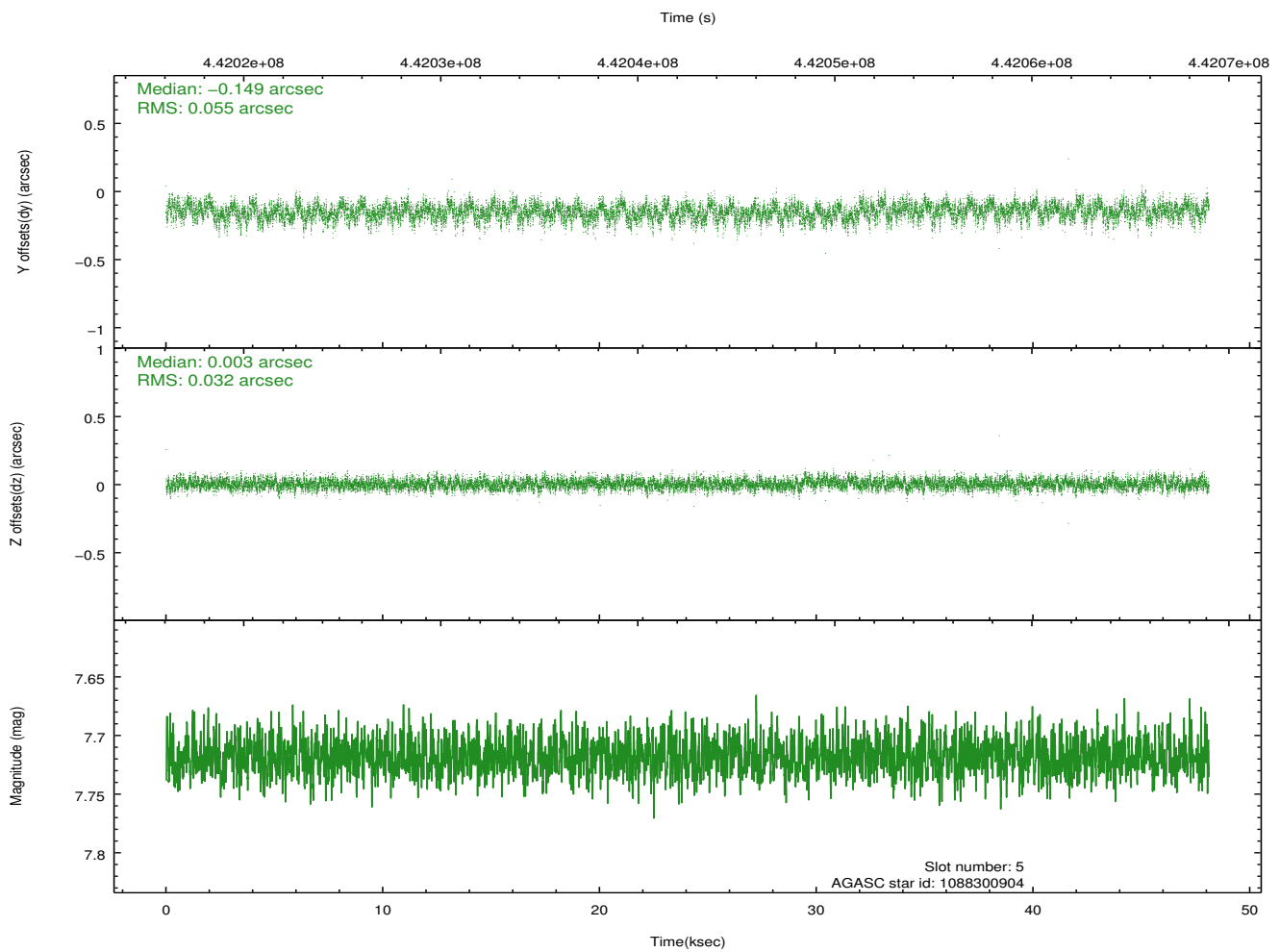
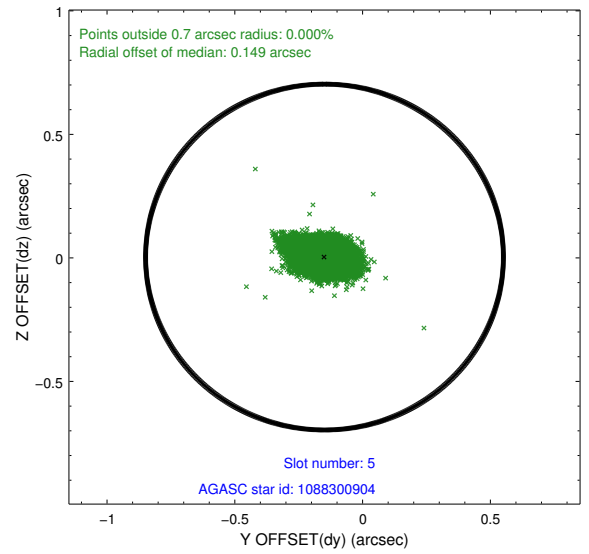
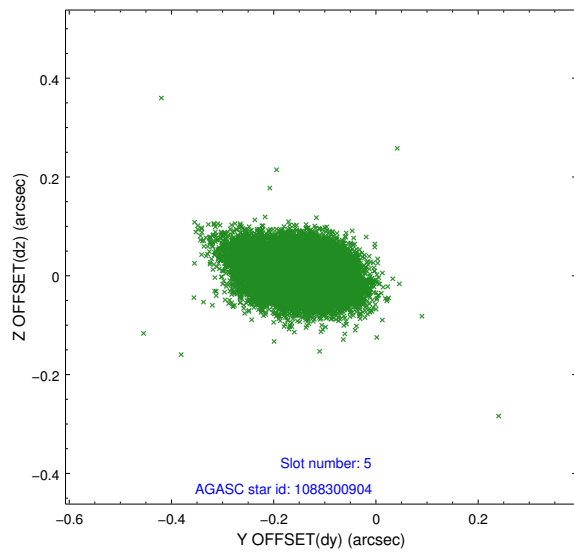
2.4.1 Slot 3



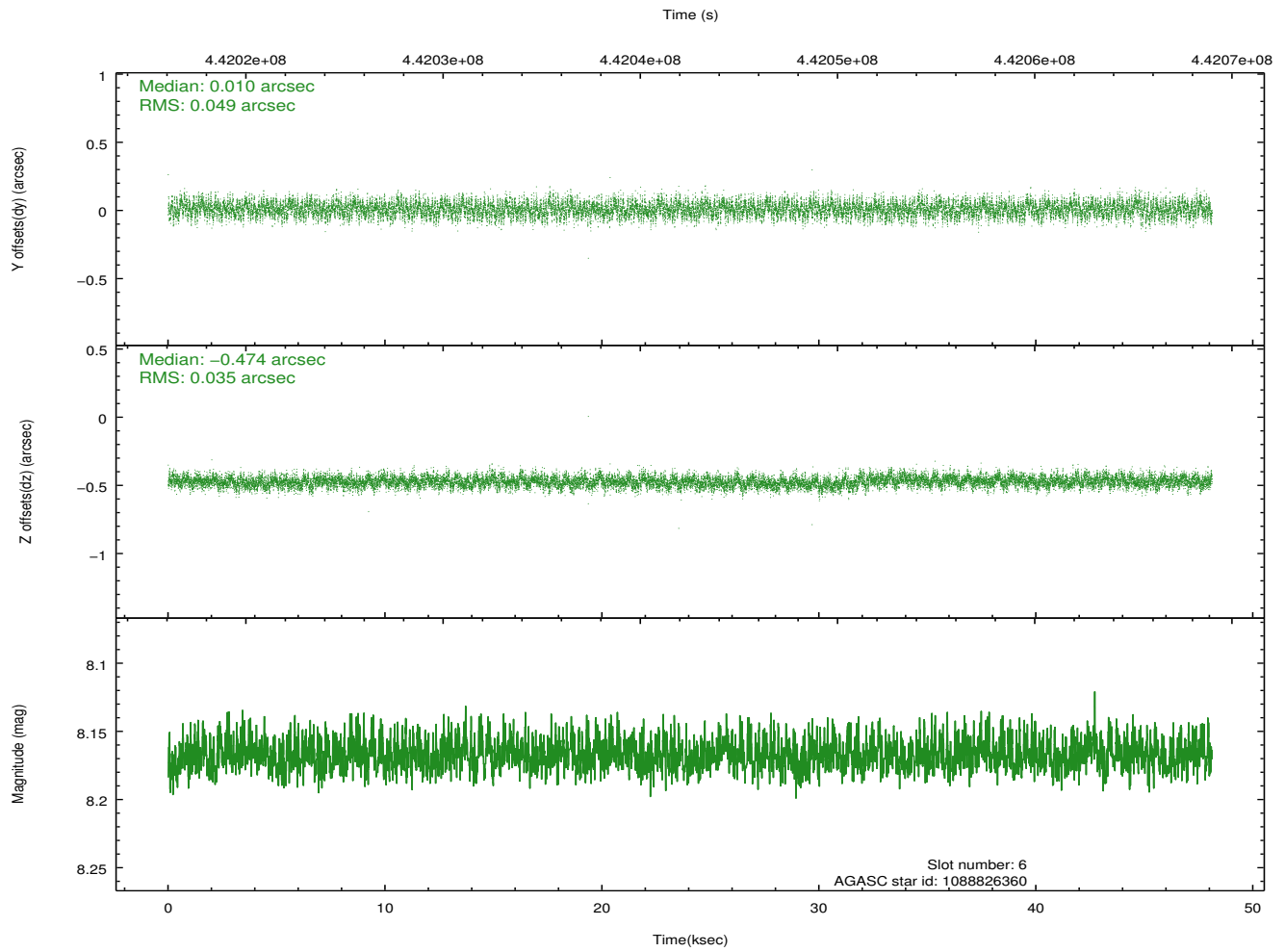
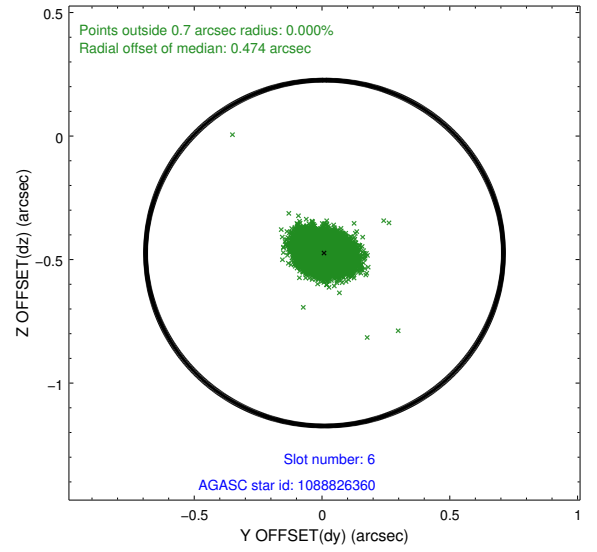
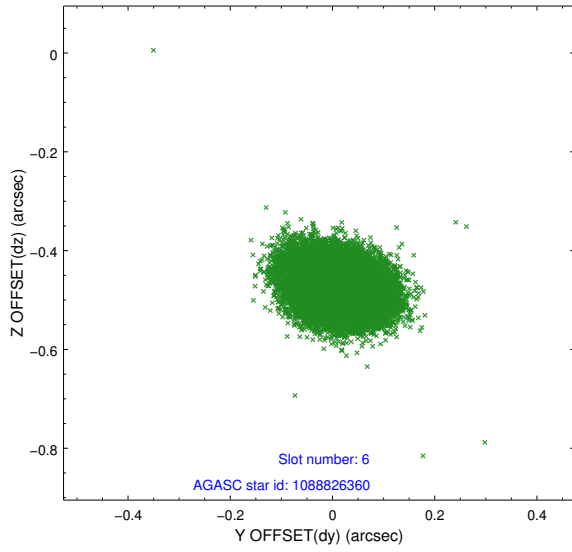
2.4.2 Slot 4



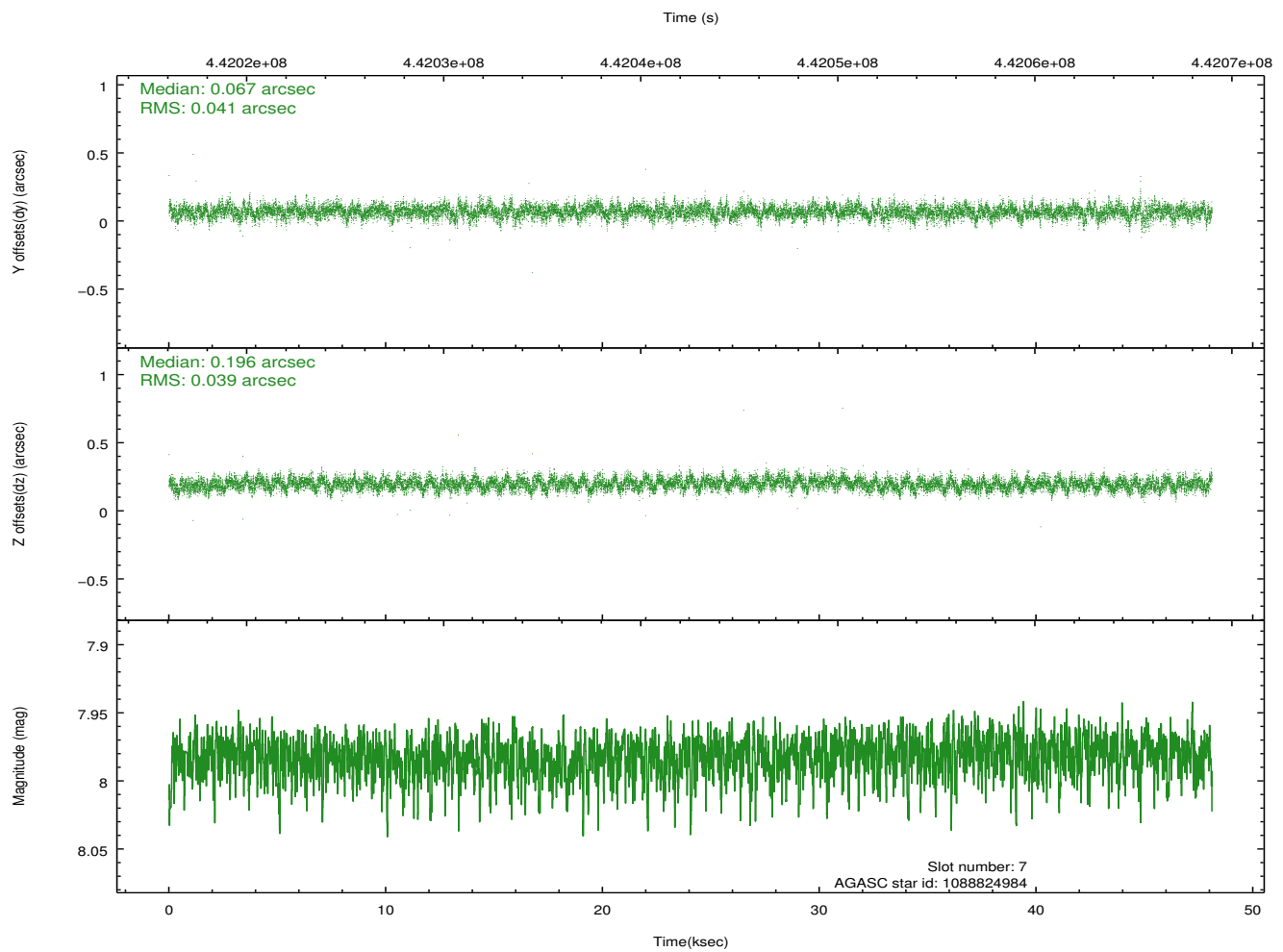
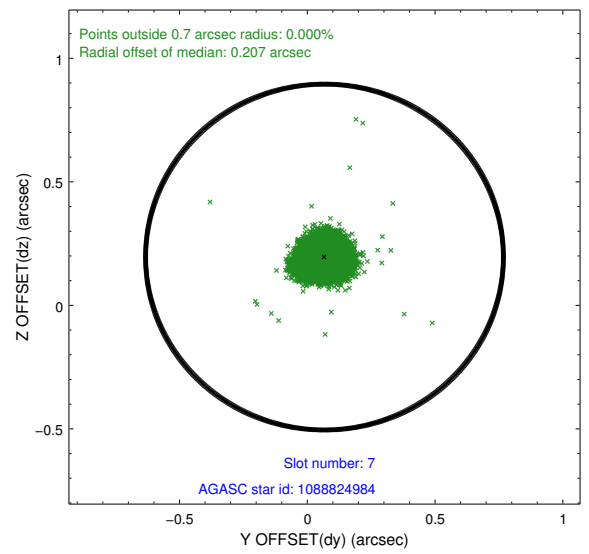
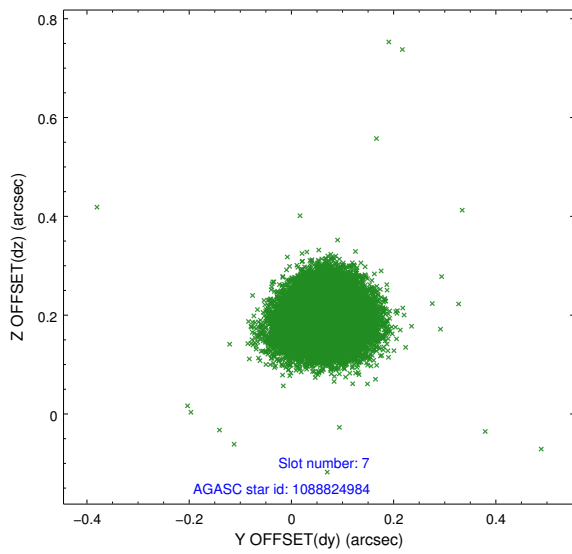
2.4.3 Slot 5



2.4.4 Slot 6

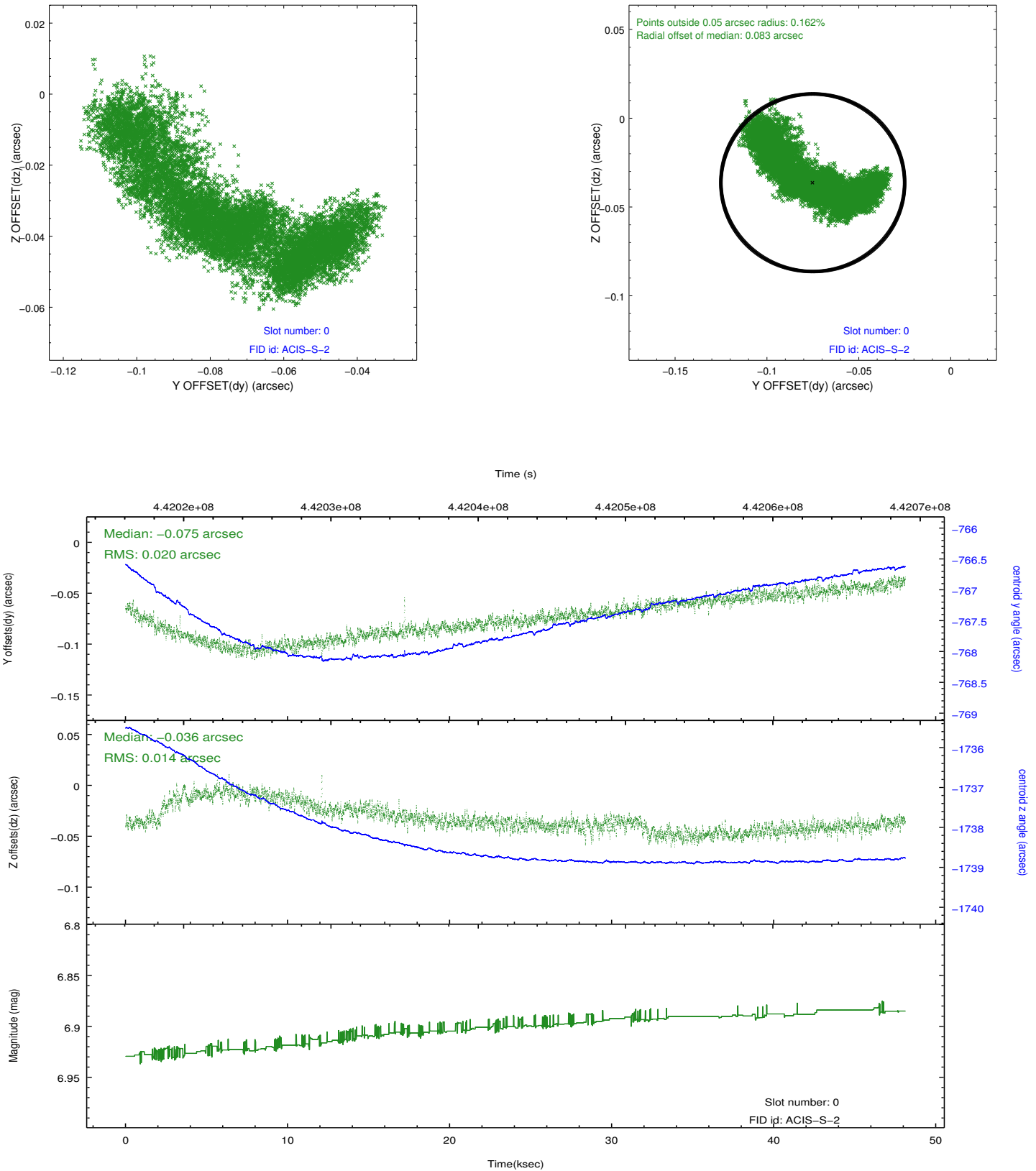


2.4.5 Slot 7

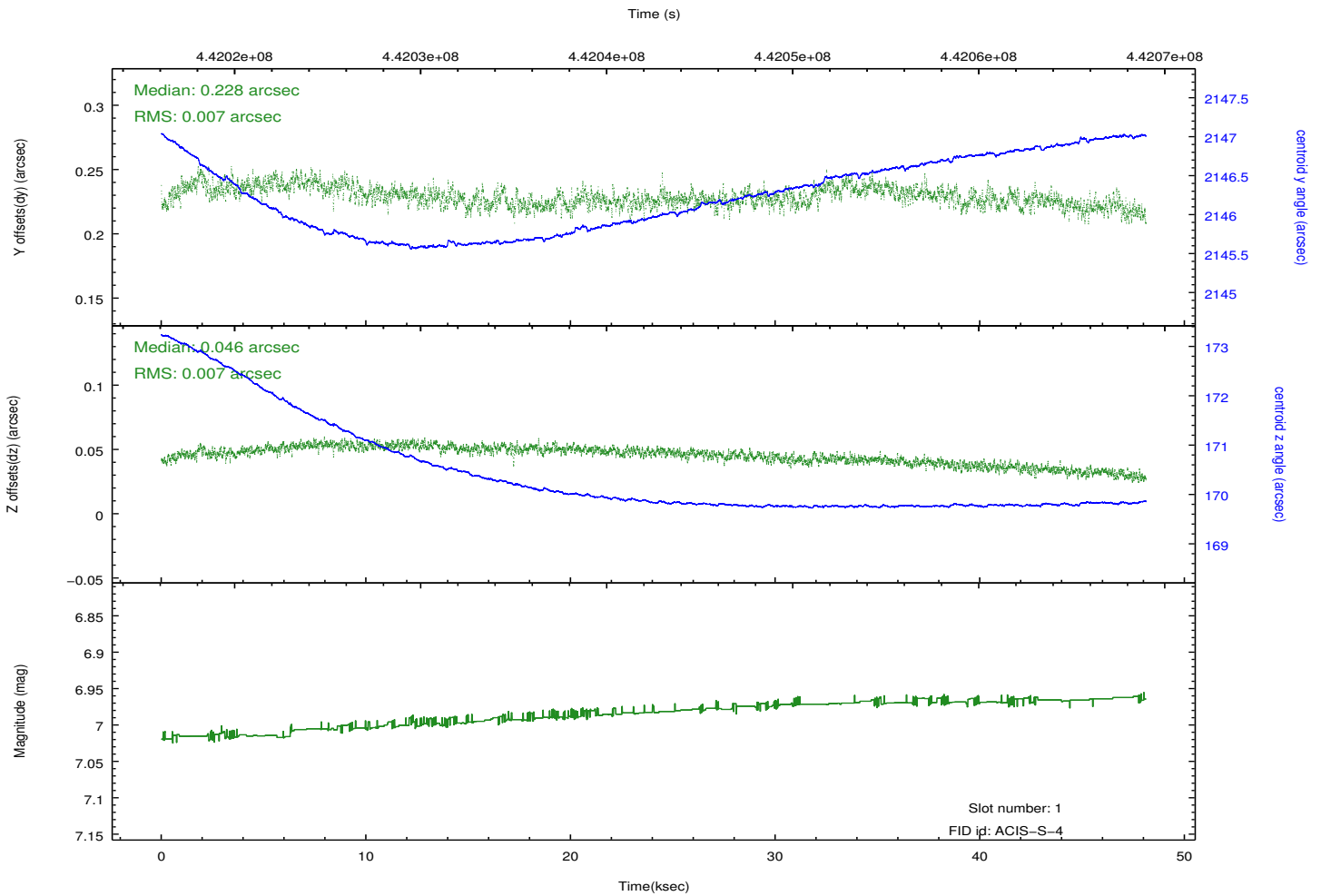
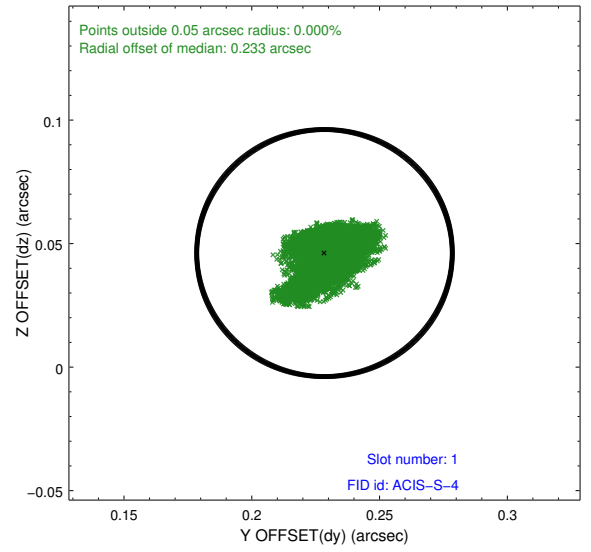
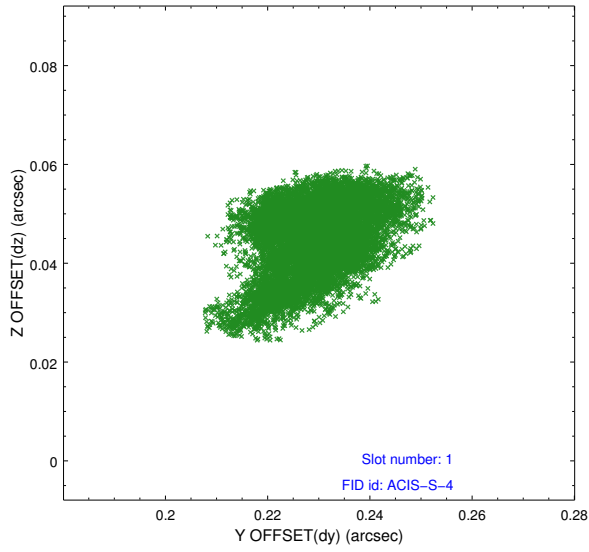


2.5 FID Slots

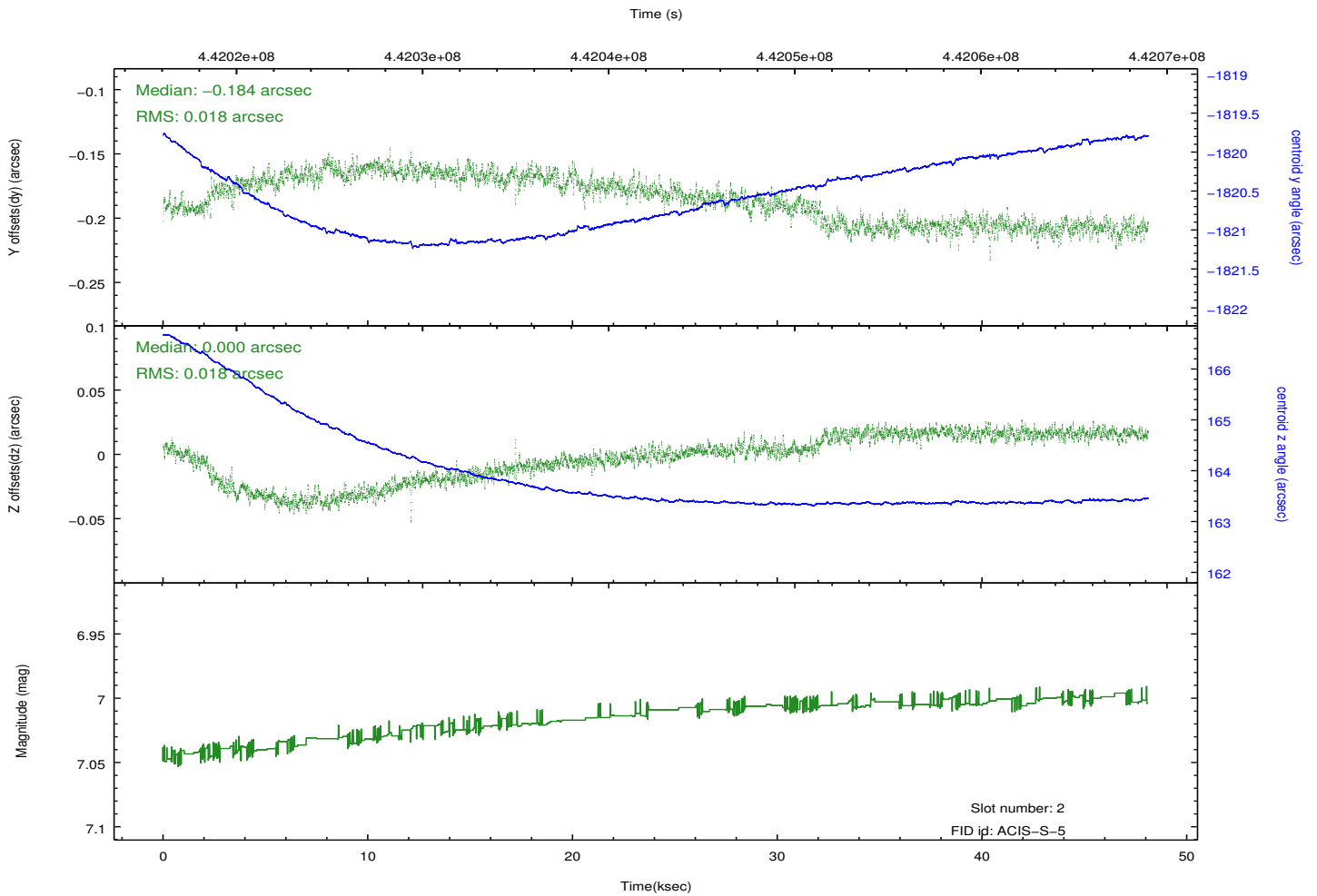
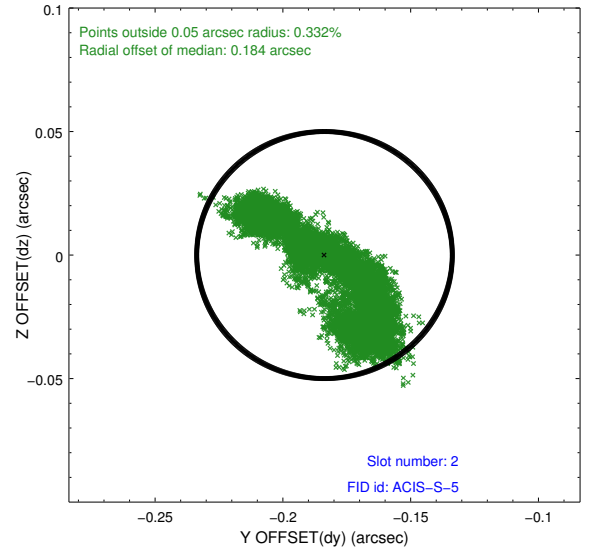
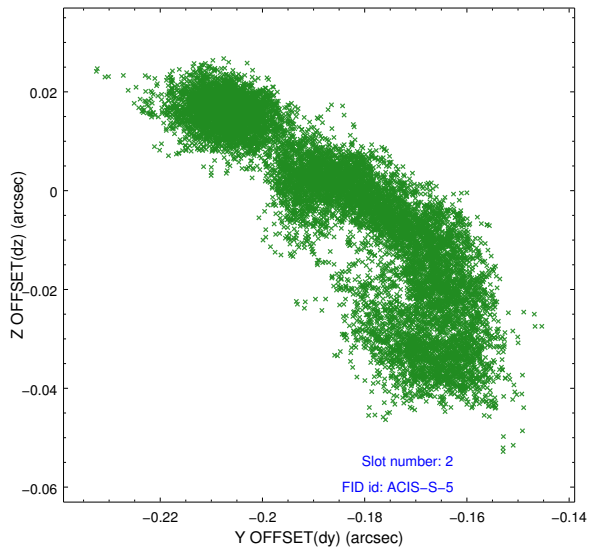
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.043577278674

A.2 Comments