

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7034 - L2 Version 3
Chandra X-Ray Center

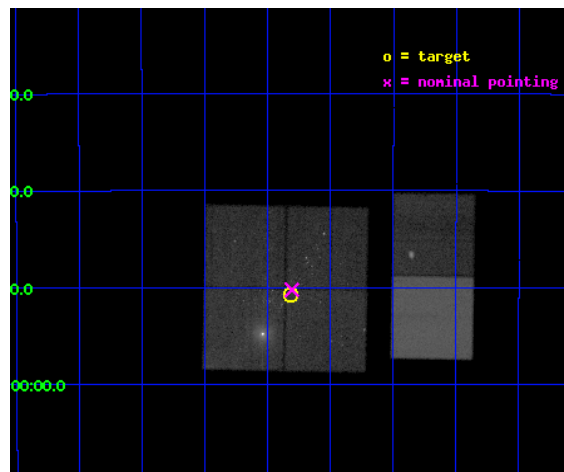
L2 Processing Date : Apr 20 2012

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1 Front

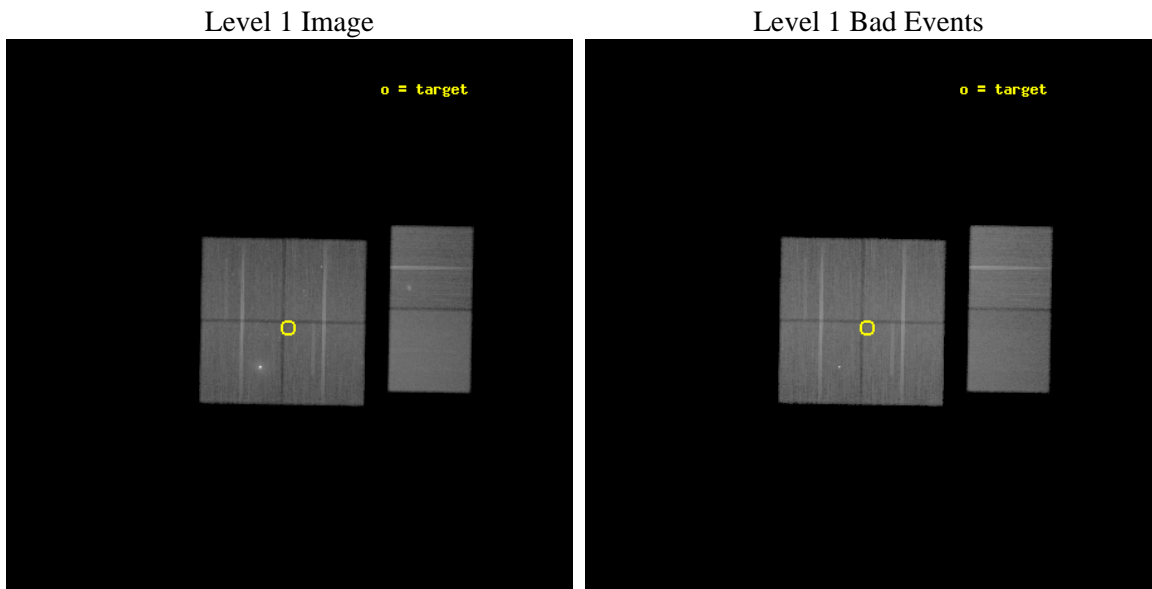
seq_num	900450	Sequence number
obs_id	7034	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.204583	Observer's specified target RA [deg]
dec_targ	-28.845389	Observer's specified target Dec [deg]
ra_nom	266.20168628647	Nominal RA [deg]
dec_nom	-28.837723071822	Nominal Dec [deg]
roll_nom	91.034695970885	Nominal Roll [deg]
revision	3	Processing version of data
ontime	40124.799850583	Sum of GTIs [s]
livetime	39616.715474621	Livetime [s]
ontime0	40124.799850583	Sum of GTIs [s]
ontime1	40118.317989707	Sum of GTIs [s]
ontime2	40124.799850583	Sum of GTIs [s]
ontime3	40124.799850583	Sum of GTIs [s]
ontime6	40124.799850583	Sum of GTIs [s]
ontime7	40124.799850583	Sum of GTIs [s]
l2events	510023	Number of level 2 events



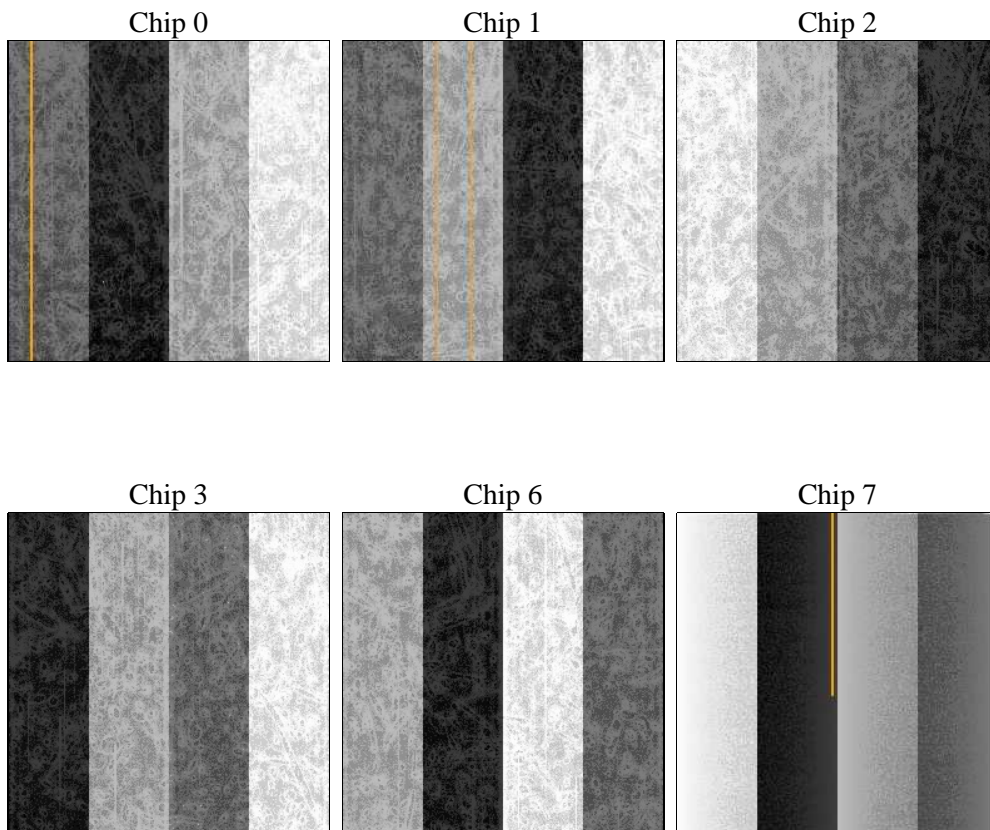
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39990.046000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	40124.799850583	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	40124.799850583	Sum of GTIs [s]
date	2012-04-20T15:32:25	Date and time of file creation	ontime1	40118.317989707	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	40124.799850583	Sum of GTIs [s]
			ontime3	40124.799850583	Sum of GTIs [s]
			ontime6	40124.799850583	Sum of GTIs [s]
			ontime7	40124.799850583	Sum of GTIs [s]
			l1events	2463457	Number of level 1 events

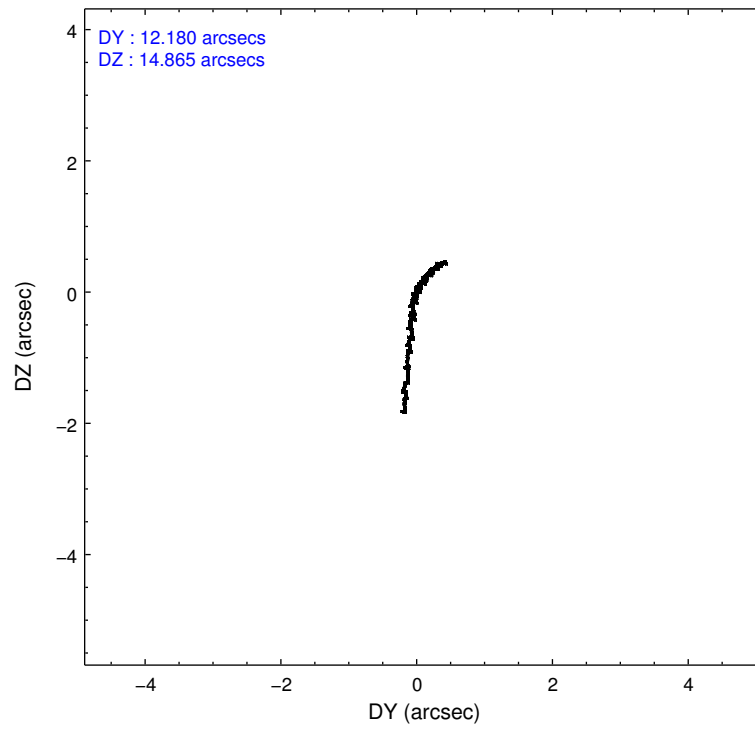
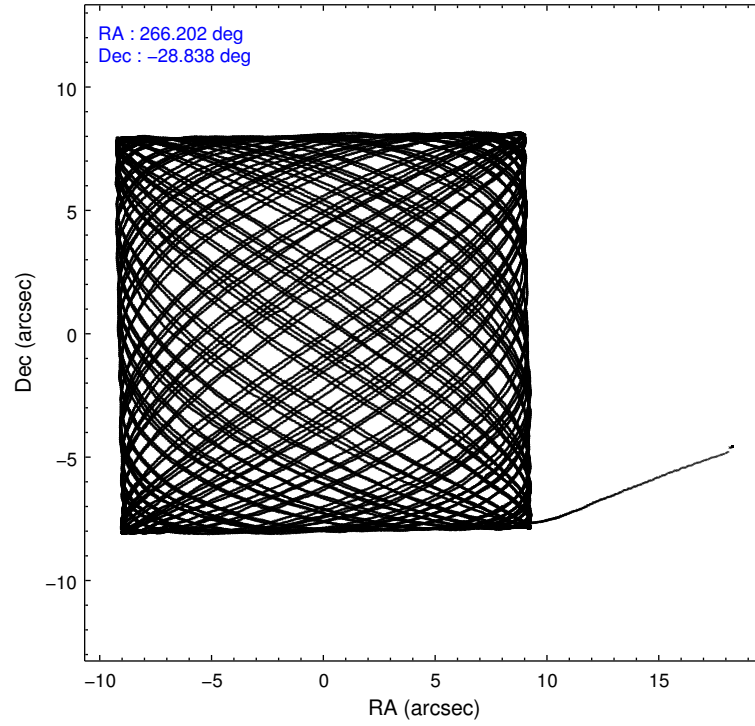
2.1.4 Events

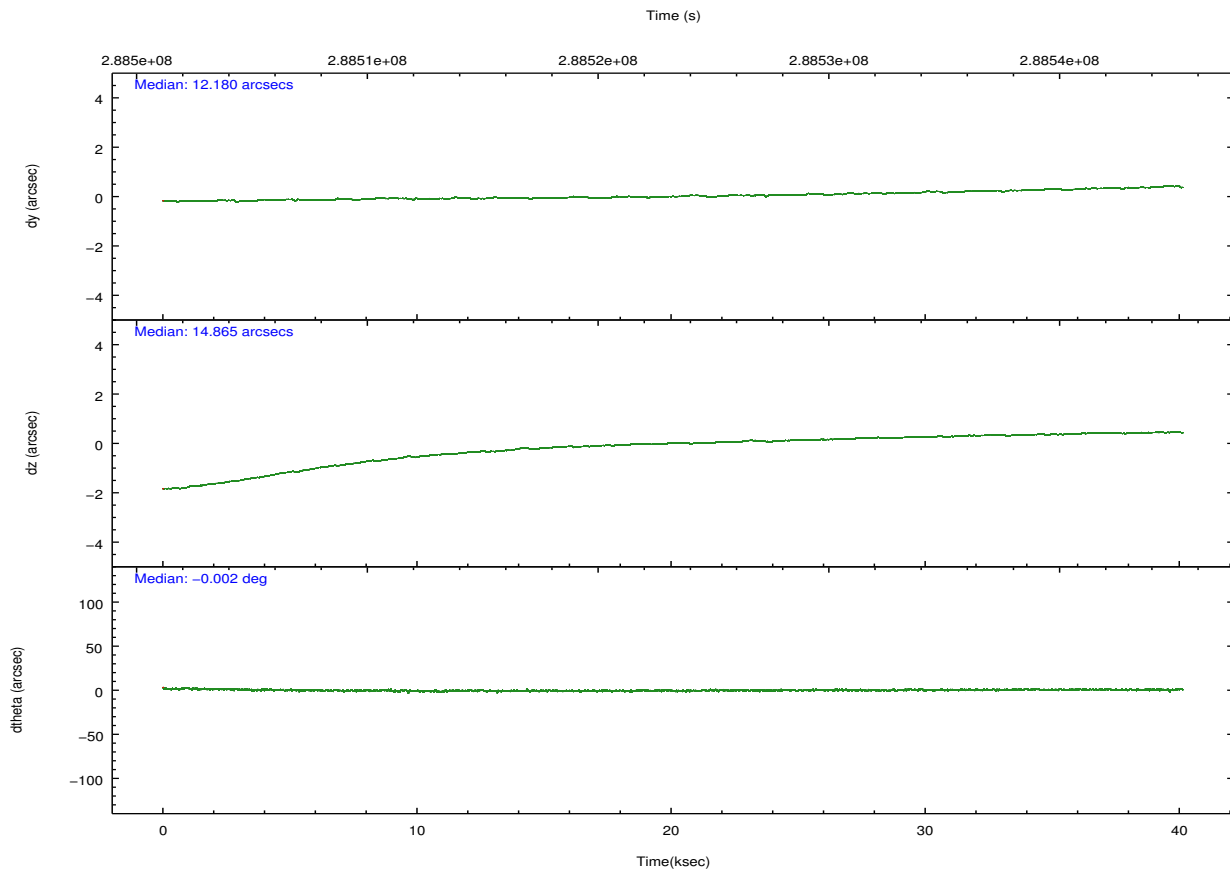
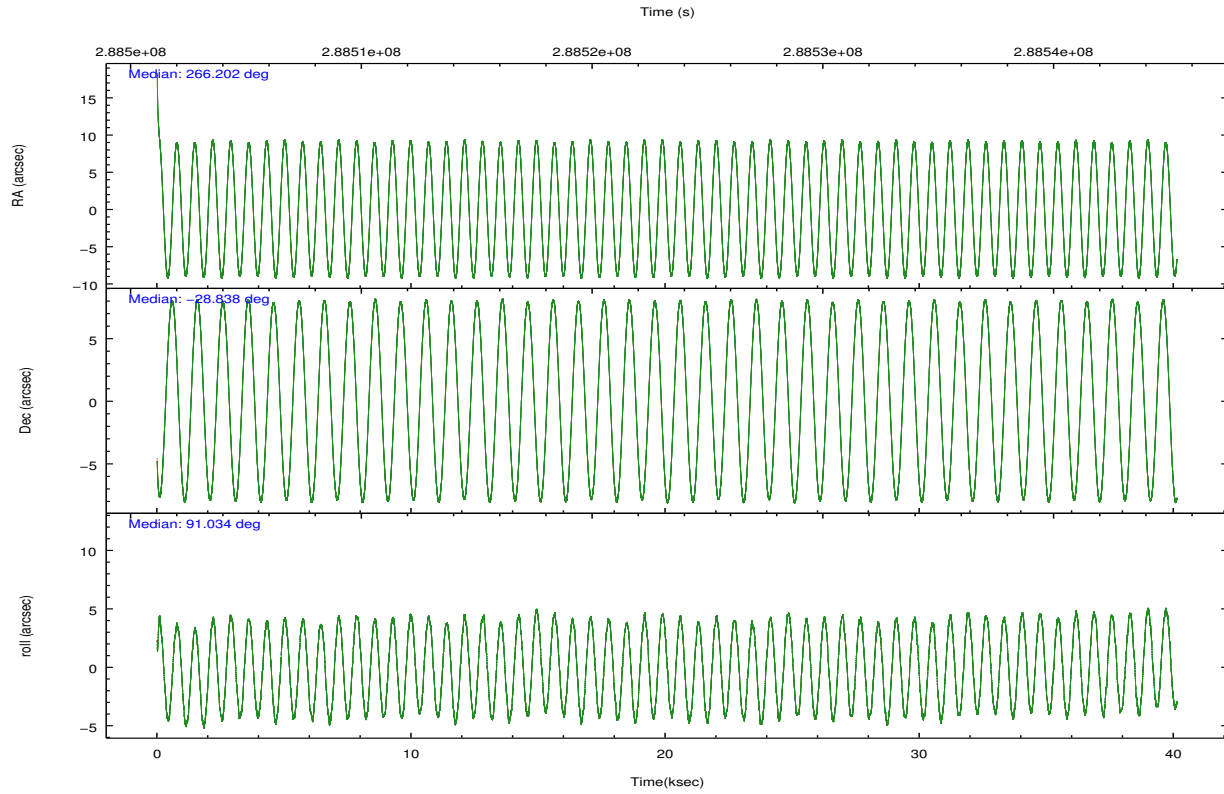
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	355778	428005	380645	384744	398317	515968	grade 0 events	26729	62789	26431	27725	22703	18930
rejected events	299847	309783	327225	328681	346526	298907		7%	14%	6%	7%	5%	3%
rejected %	84%	72%	85%	85%	86%	57%	grade 1 events	239	2569	305	292	234	513
								0%	0%	0%	0%	0%	0%
							grade 2 events	11392	22507	10446	10269	10758	44403
								3%	5%	2%	2%	2%	8%
							grade 3 events	4937	8592	4443	4909	4610	19031
								1%	2%	1%	1%	1%	3%
							grade 4 events	4512	8506	4521	4715	4387	18697
								1%	1%	1%	1%	1%	3%
							grade 5 events	14954	17989	14436	17180	17868	48007
								4%	4%	3%	4%	4%	9%
							grade 6 events	8616	16424	7843	8721	9577	117054
								2%	3%	2%	2%	2%	22%
							grade 7 events	284399	288629	312220	310933	328180	249333
								79%	67%	82%	80%	82%	48%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.217971	266.2016862864654	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.861219	-28.83772307182247	Alternating exposures requested	N	N
[deg] Pointing Roll	90.833871	91.034695970885	[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)	288503322.184000	288502173.78129			
Observation start date	2007-02-22T03:47:37	2007-02-22T03:29:33			
[s] Observation end time (MET)	288543312.184000	288543552.52076			
Observation end date	2007-02-22T14:54:07	2007-02-22T14:59:12			
Read mode	TIMED	TIMED			

2.3 Aspect



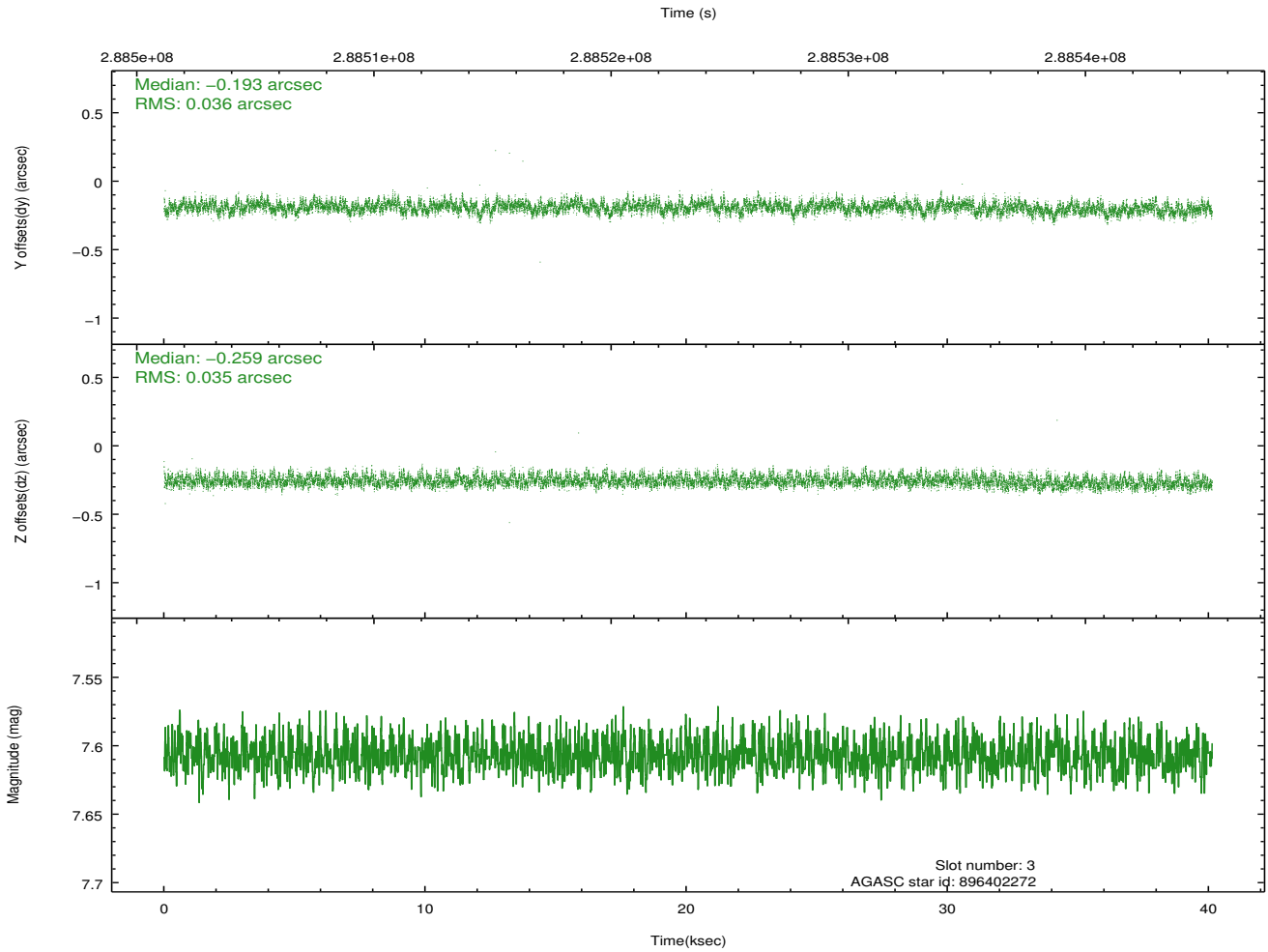
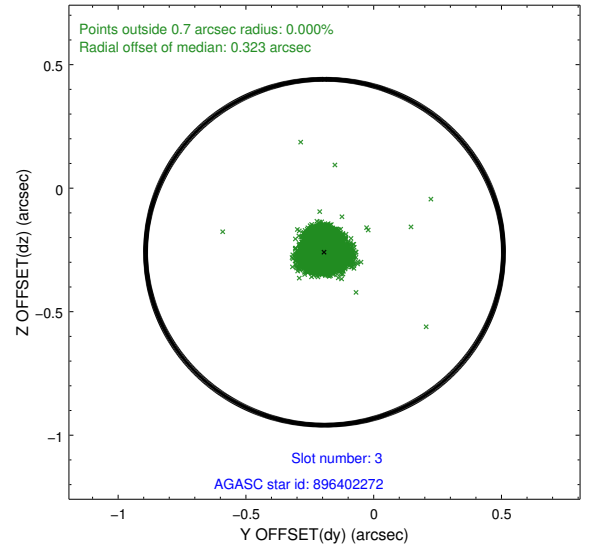
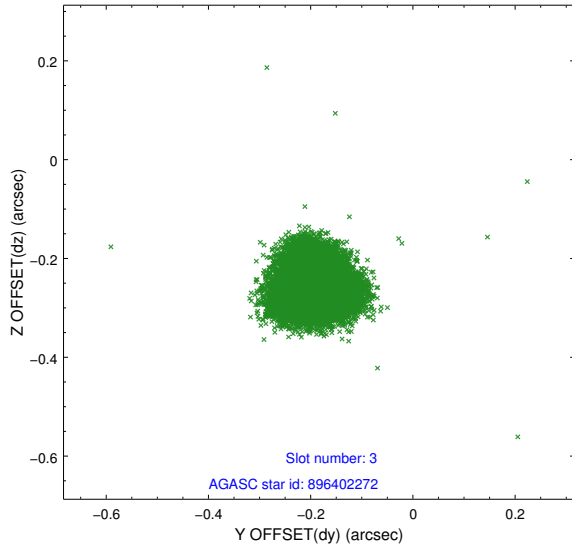


Slot Statistics

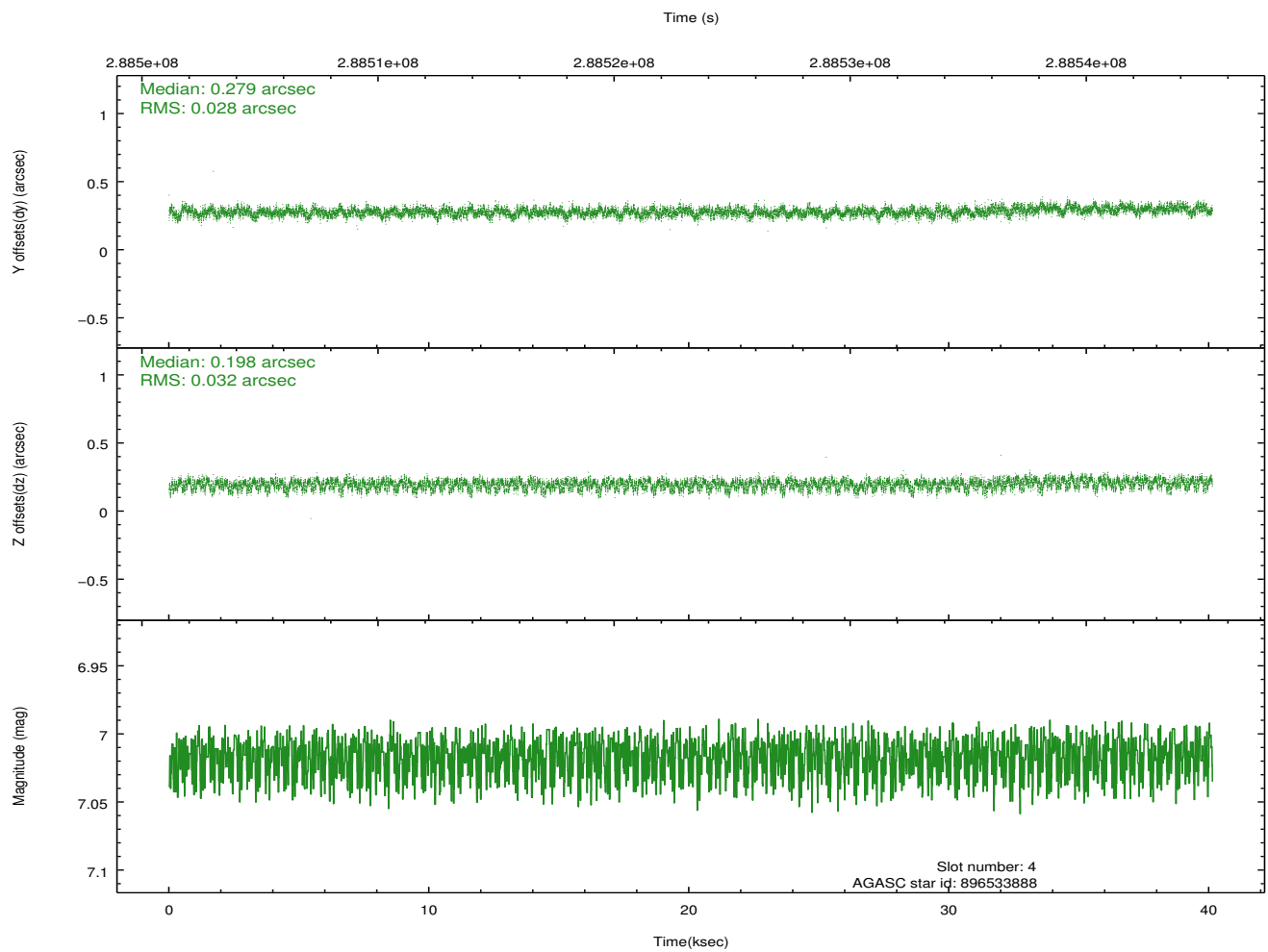
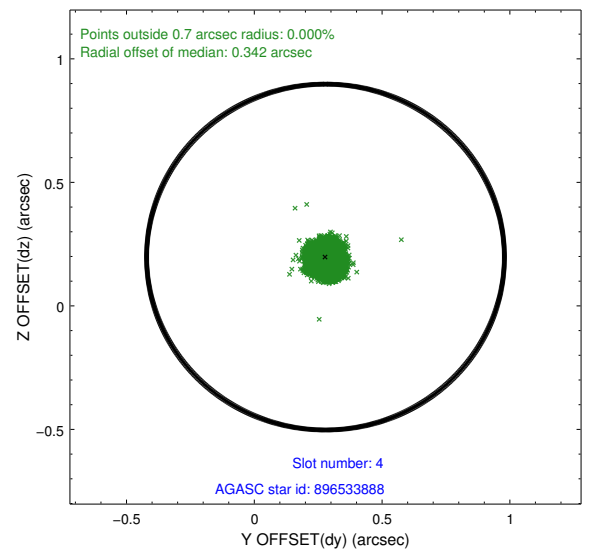
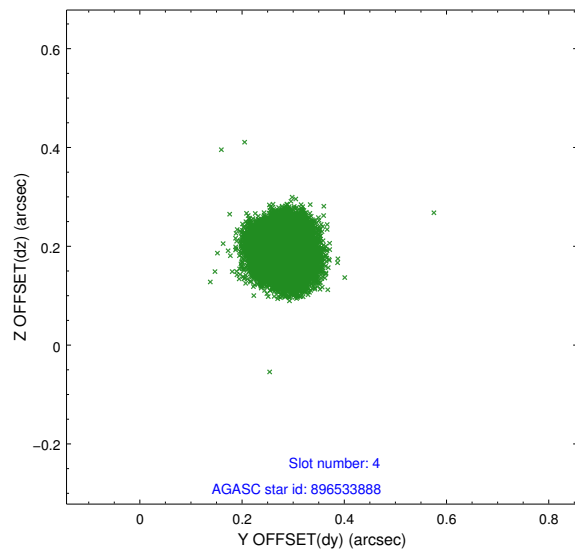
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	9789	-0.017	-0.013	0.017	0.033	0.000000	0.000000	927.29	-838.24
1	FID	ACIS-I-4	7.17	9787	0.183	0.040	0.016	0.026	0.000000	0.000000	2147.55	1061.59
2	FID	ACIS-I-5	7.22	9788	-0.264	0.043	0.013	0.022	0.000000	0.000000	-1820.93	1059.49
3	GUIDE	896402272	7.61	19572	-0.193	-0.259	0.054	0.085	265.637294	-28.313189	1994.98	1811.45
4	GUIDE	896533888	7.02	19577	0.279	0.198	0.046	0.073	266.666434	-29.392757	-1935.95	-1378.34
5	GUIDE	896538696	6.85	19576	-0.219	0.148	0.042	0.066	266.298470	-28.325572	1924.16	-282.95
6	GUIDE	896541360	7.71	19566	0.331	0.200	0.050	0.080	266.684478	-29.453744	-2156.47	-1430.98
7	GUIDE	896404568	7.87	19573	-0.198	-0.289	0.056	0.091	265.687293	-28.431080	1568.89	1657.16

2.4 Star Slots

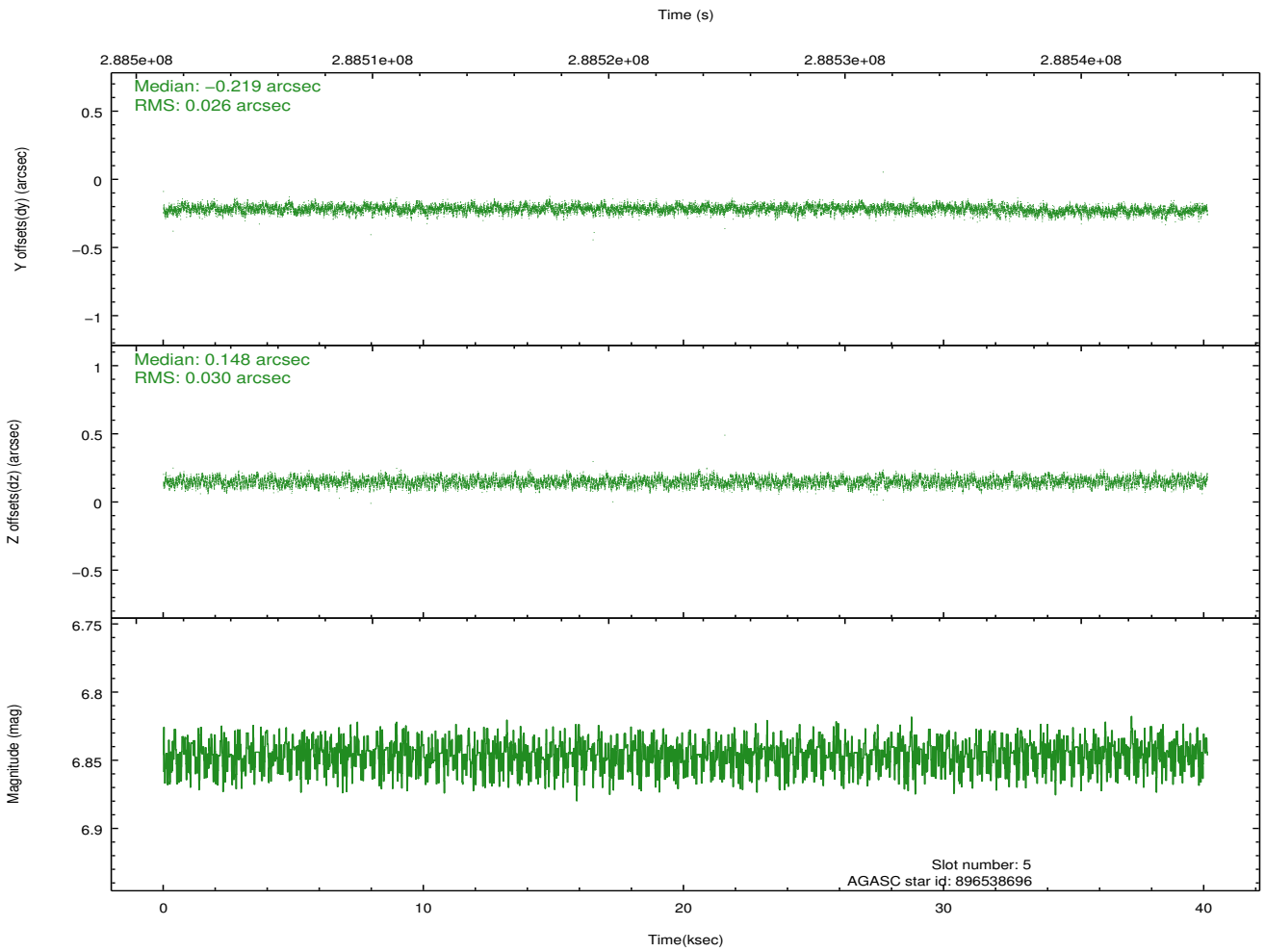
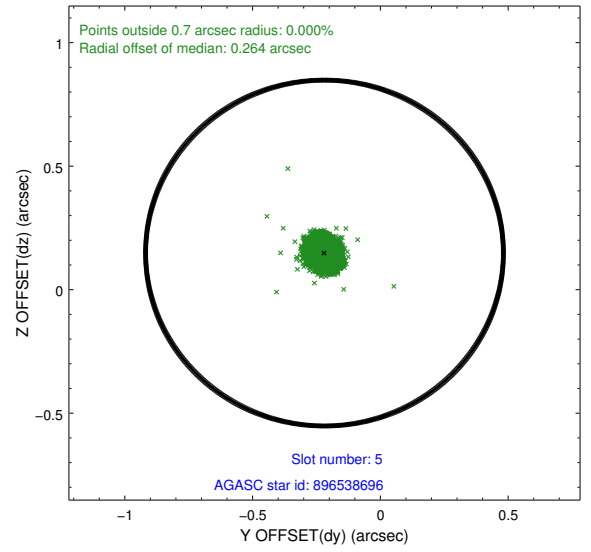
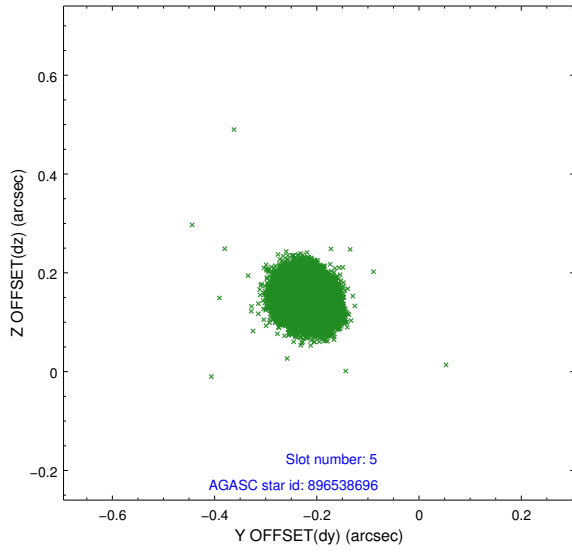
2.4.1 Slot 3



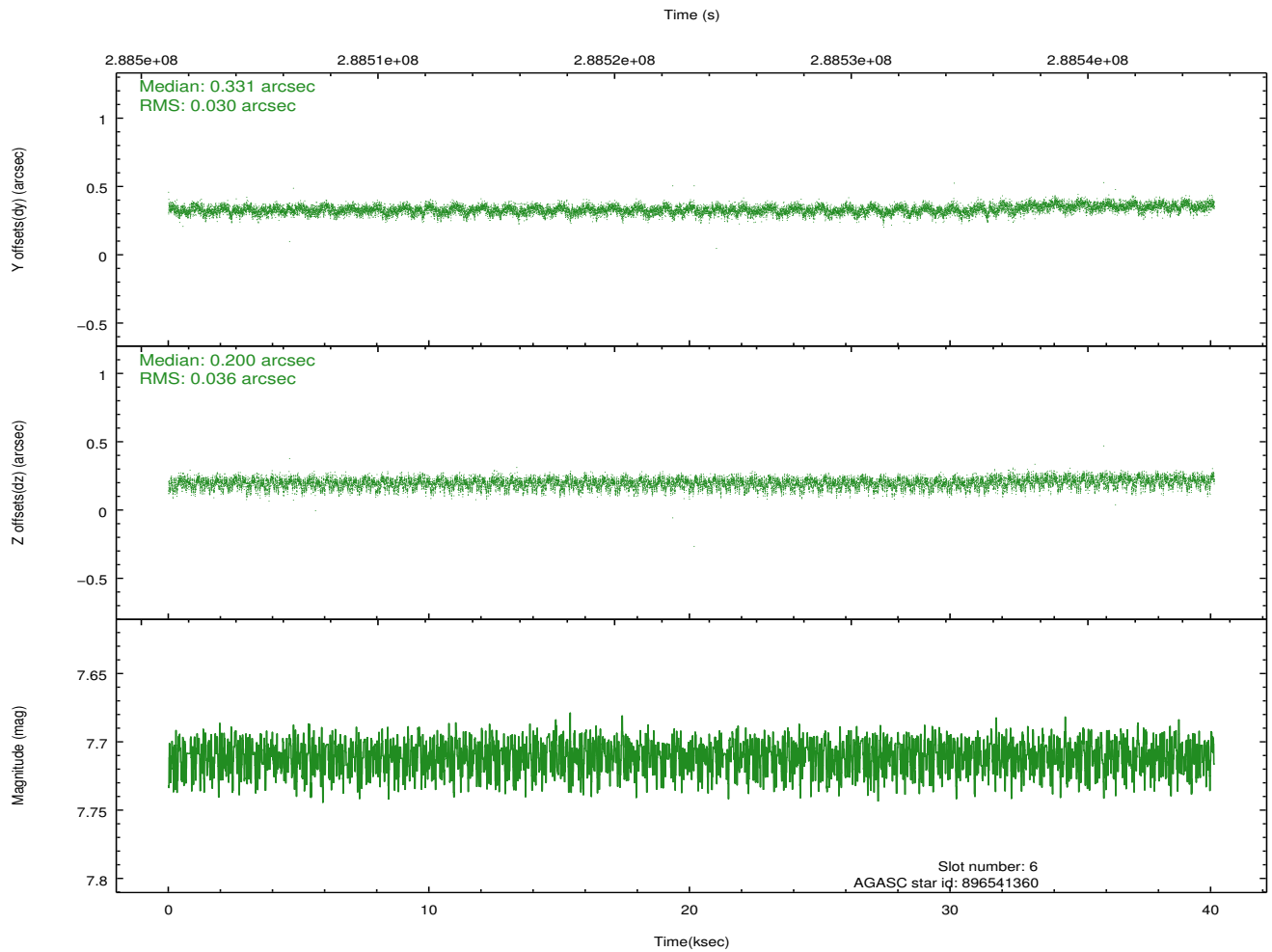
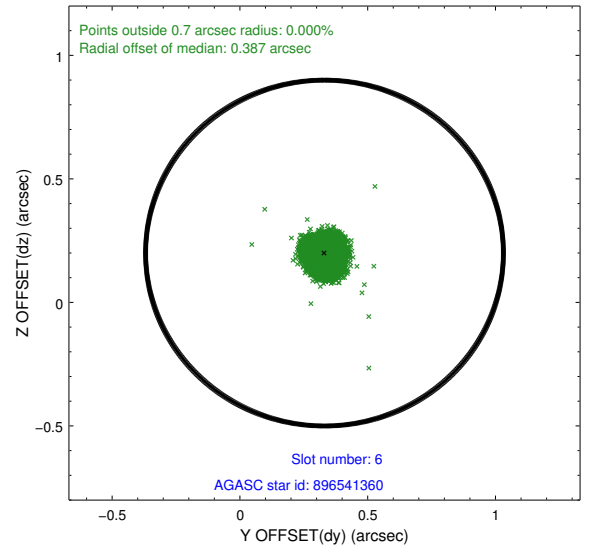
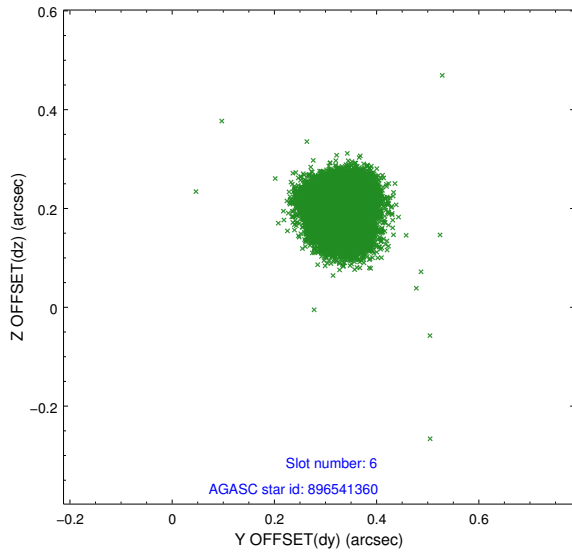
2.4.2 Slot 4



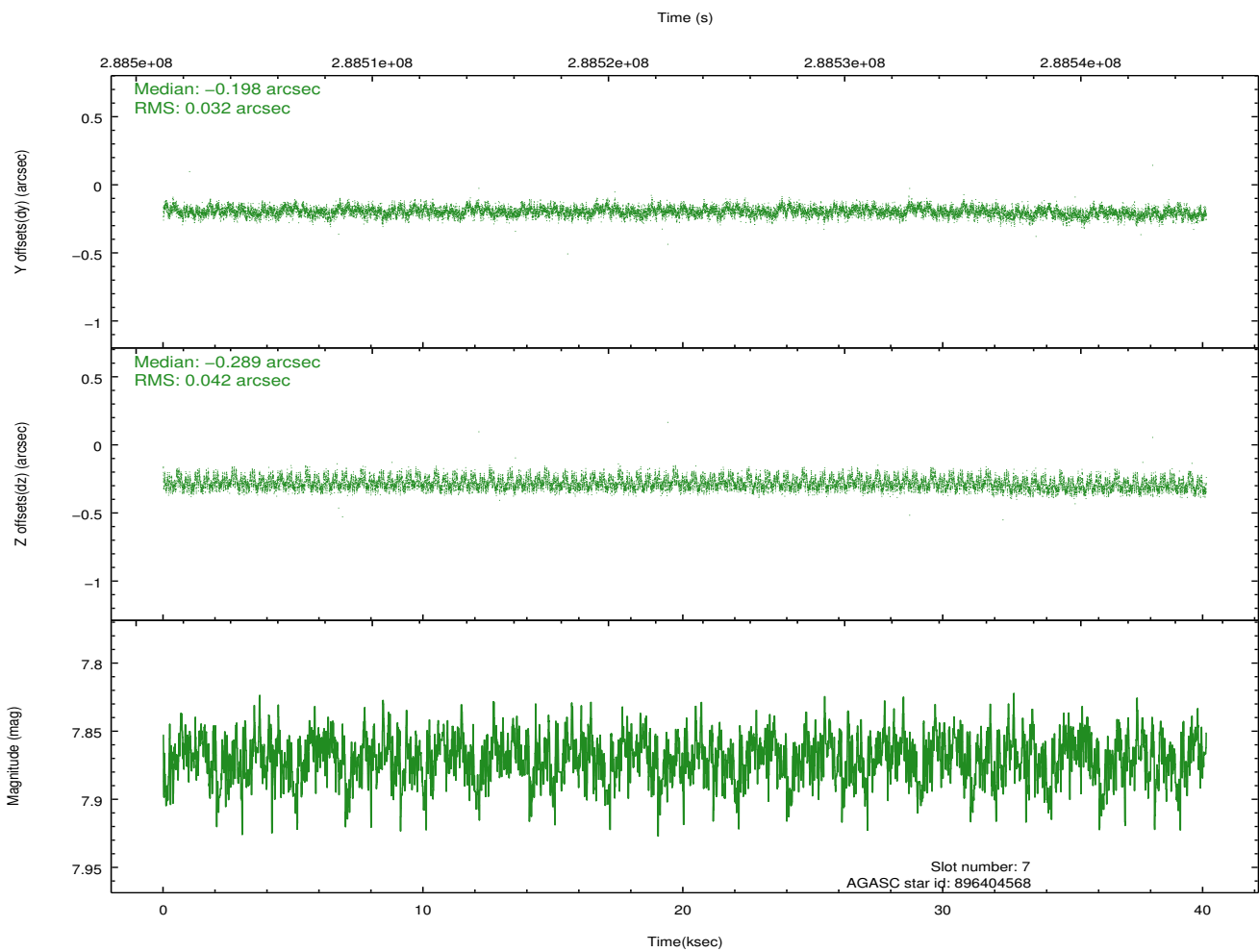
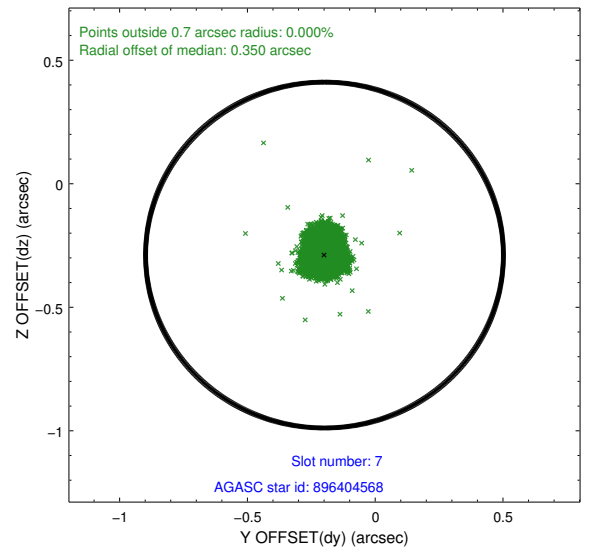
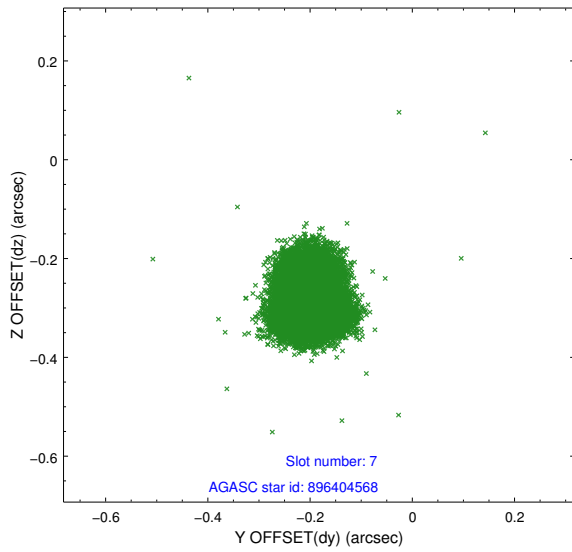
2.4.3 Slot 5



2.4.4 Slot 6

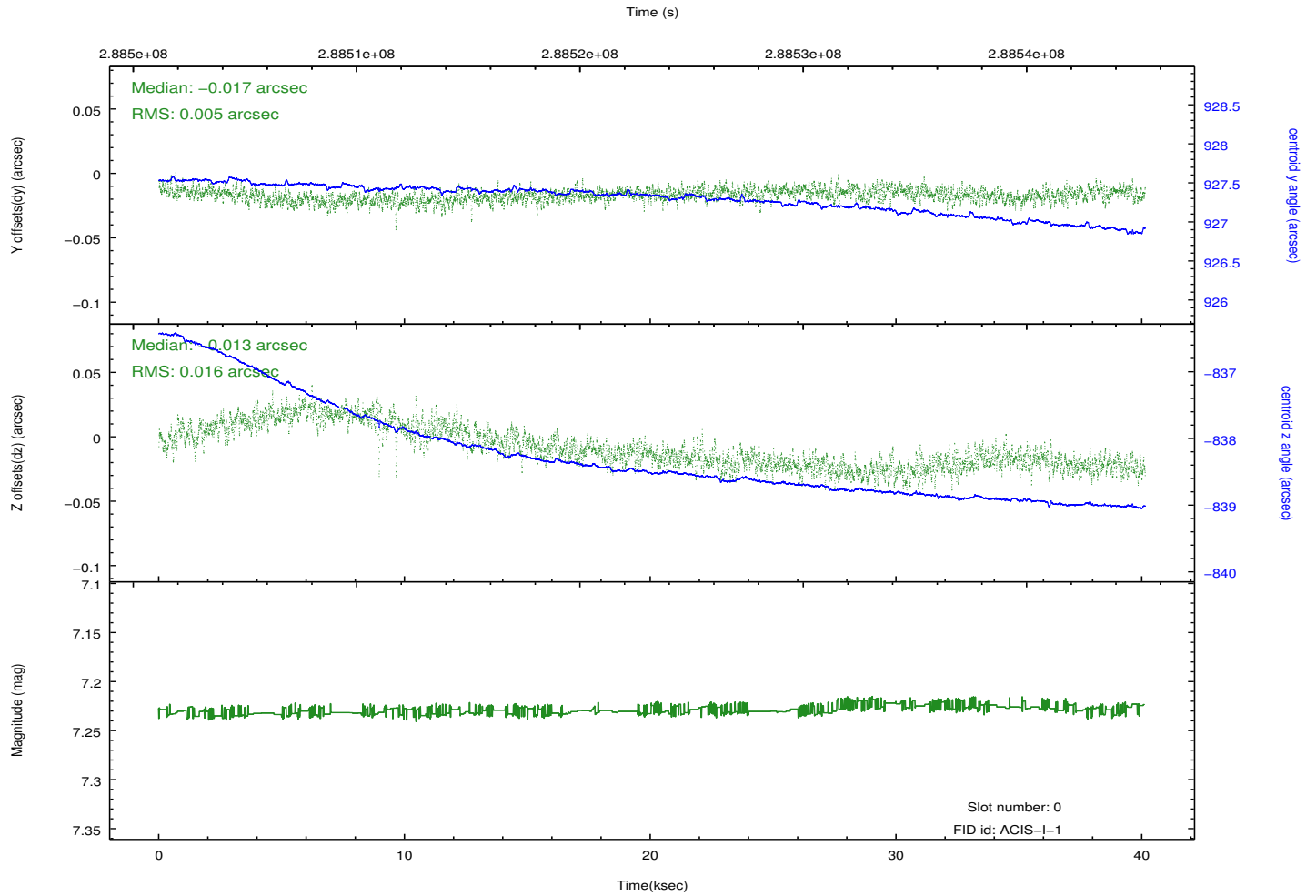
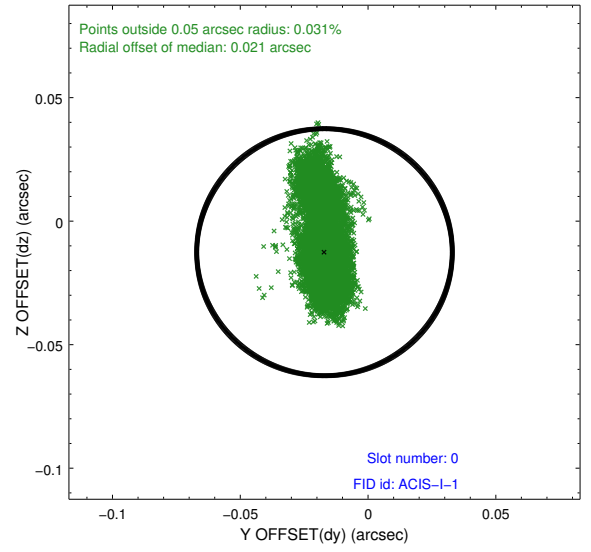
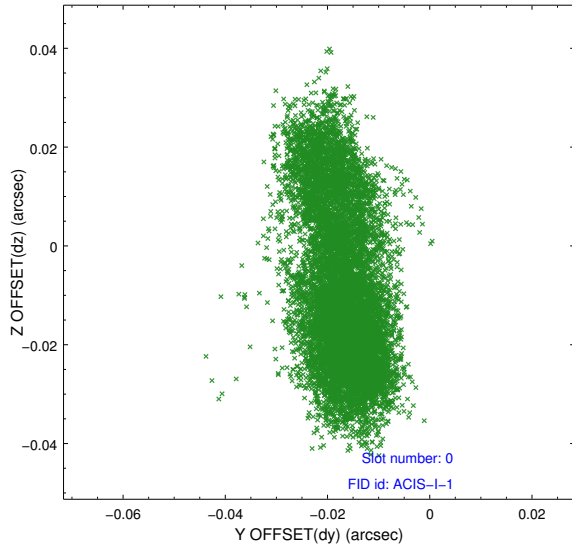


2.4.5 Slot 7

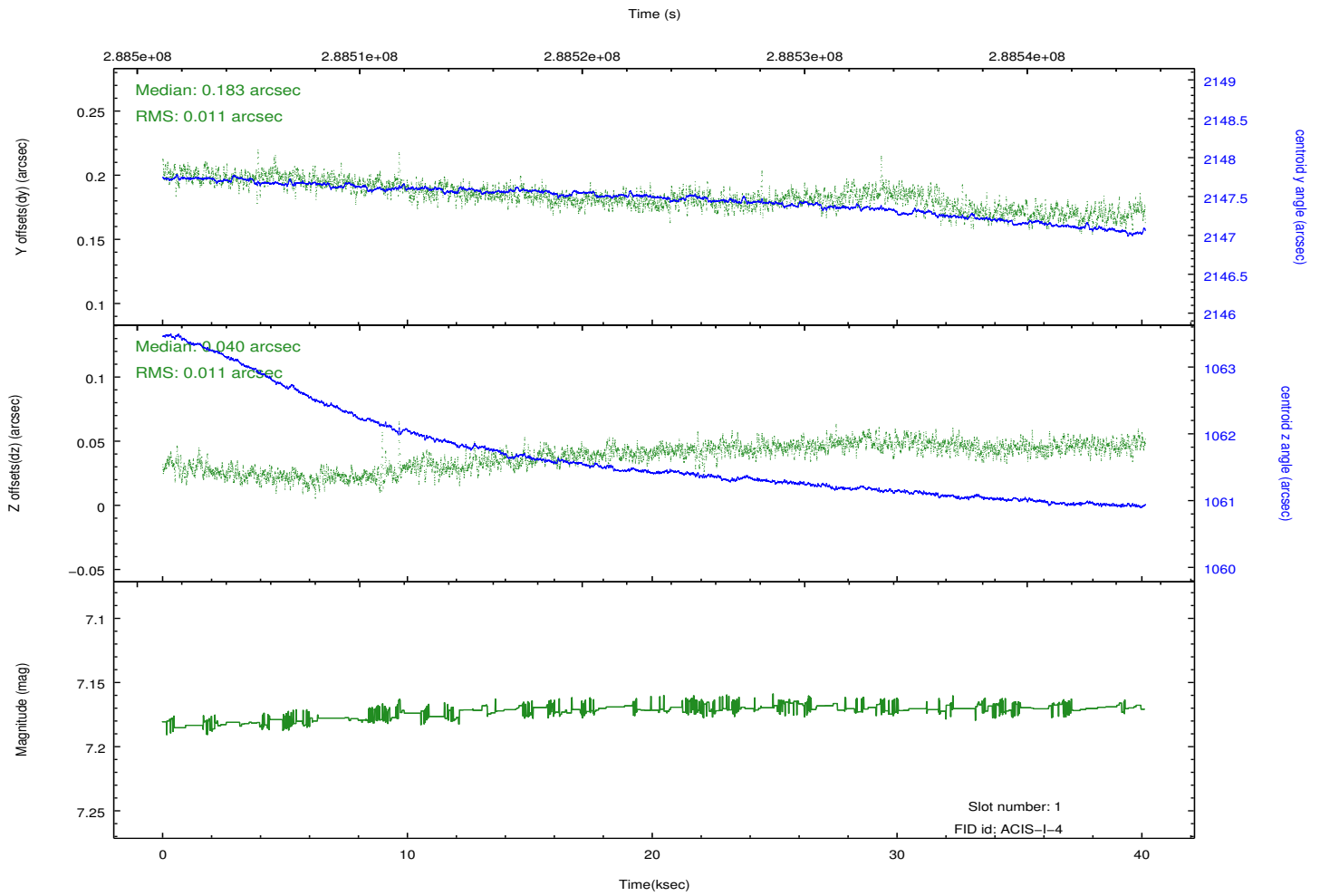
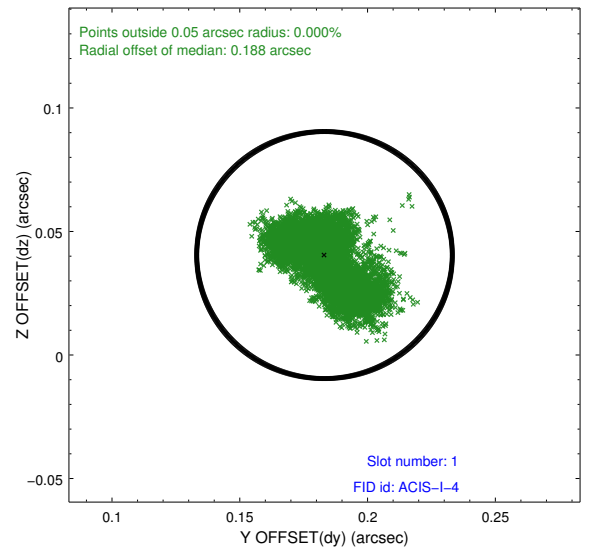
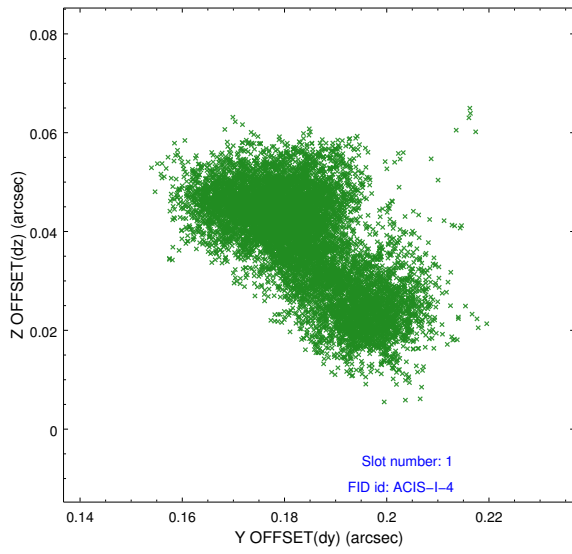


2.5 FID Slots

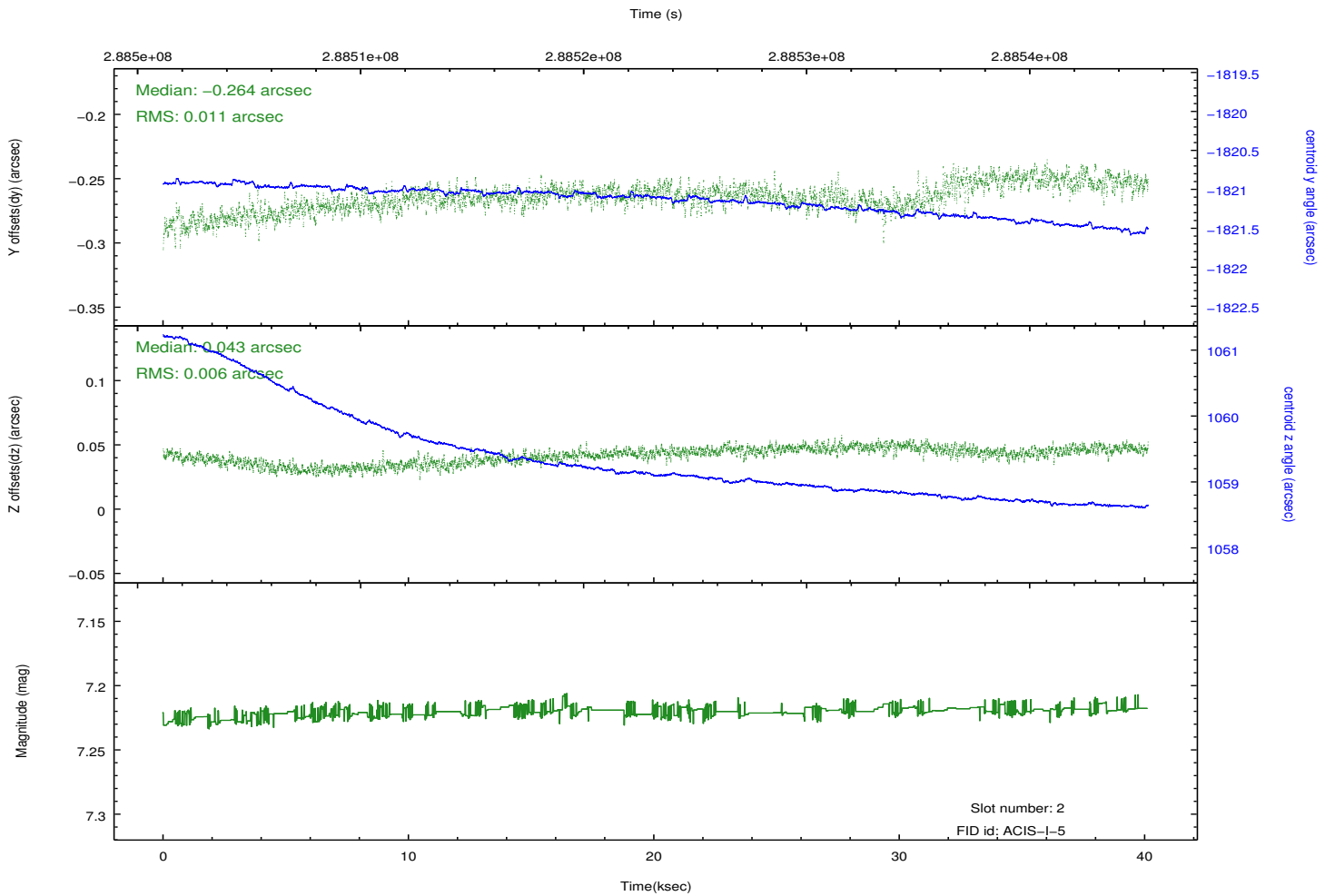
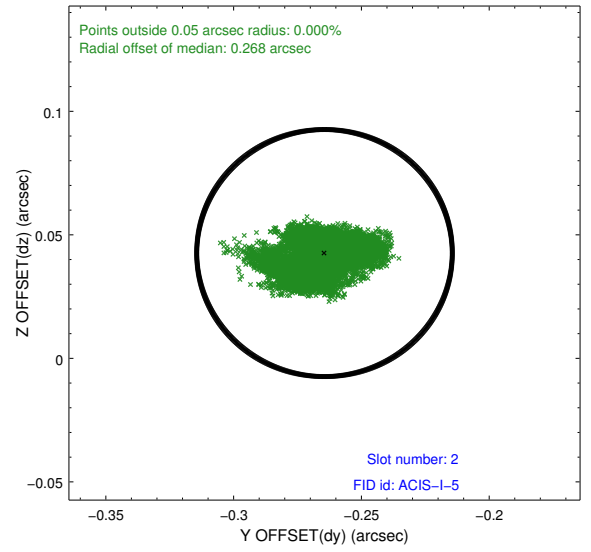
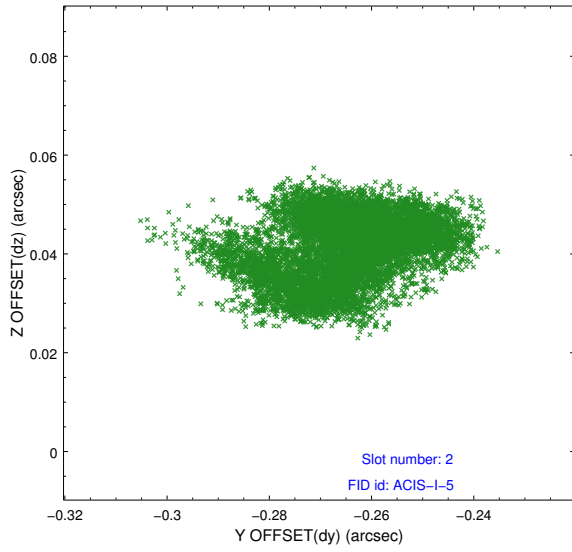
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.1247998

A.2 Comments