

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7630 - L2 Version 2
Chandra X-Ray Center

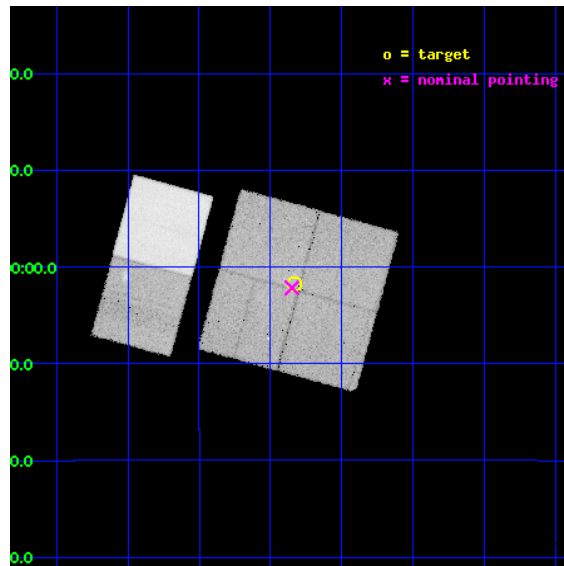
L2 Processing Date : May 4 2012

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1 Front

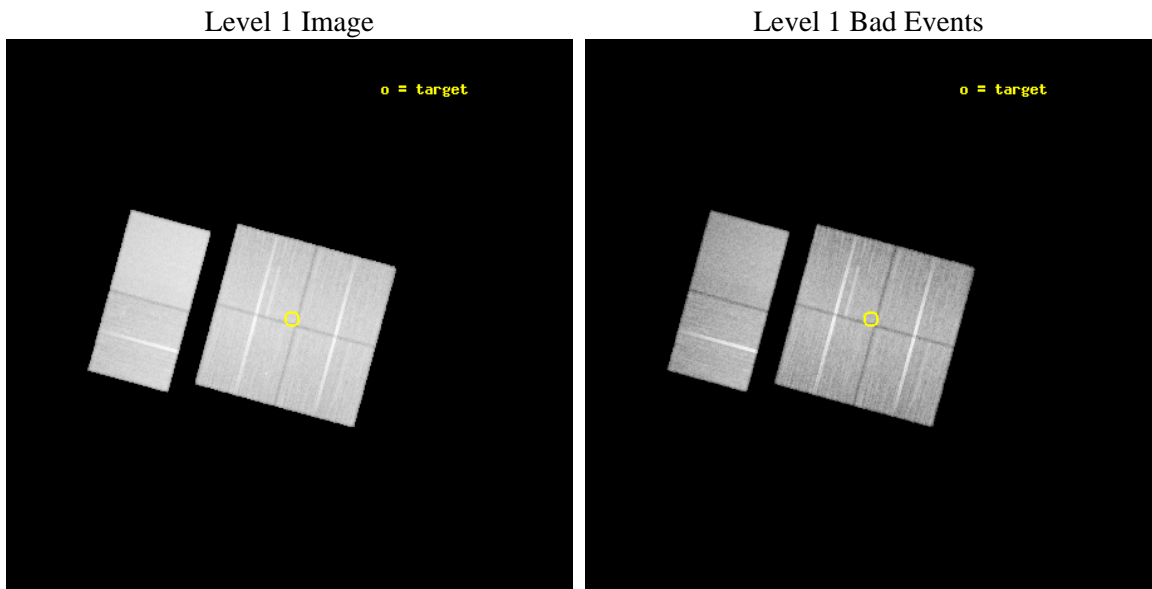
seq_num	500759	Sequence number
obs_id	7630	Observation id
title	A Star Cluster as a Supernova Factory	Proposal title
observer	Dr. Michael Muno	Principal investigator
object	RSG Cluster 2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	279.832917	Observer's specified target RA [deg]
dec_targ	-6.029361	Observer's specified target Dec [deg]
ra_nom	279.83728467603	Nominal RA [deg]
dec_nom	-6.0361804033728	Nominal Dec [deg]
roll_nom	285.20914697497	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27810.785568297	Sum of GTIs [s]
livetime	27458.628655787	Livetime [s]
ontime0	27810.662448287	Sum of GTIs [s]
ontime1	27810.70348829	Sum of GTIs [s]
ontime2	27810.744528294	Sum of GTIs [s]
ontime3	27810.785568297	Sum of GTIs [s]
ontime6	27810.867648304	Sum of GTIs [s]
ontime7	27810.8266083	Sum of GTIs [s]
l2events	315887	Number of level 2 events



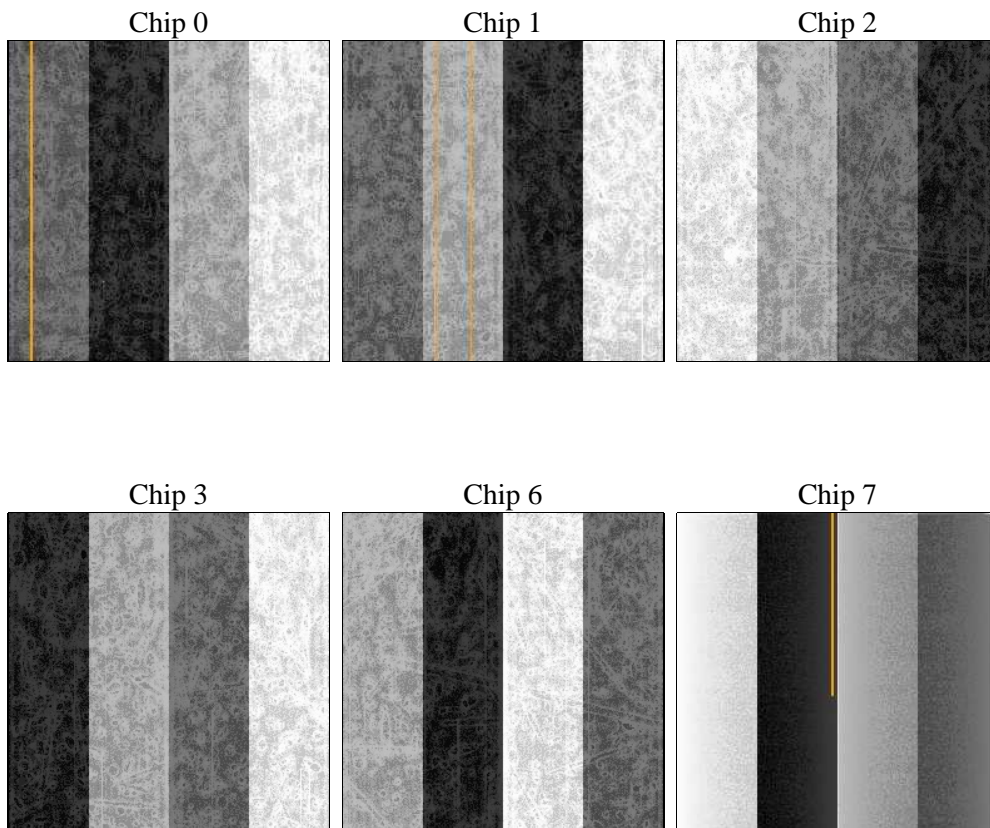
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	27858.777000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27810.785568297	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	27810.662448287	Sum of GTIs [s]
date	2012-05-04T02:01:15	Date and time of file creation	ontime1	27810.70348829	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27810.744528294	Sum of GTIs [s]
			ontime3	27810.785568297	Sum of GTIs [s]
			ontime6	27810.867648304	Sum of GTIs [s]
			ontime7	27810.8266083	Sum of GTIs [s]
			l1events	1743881	Number of level 1 events

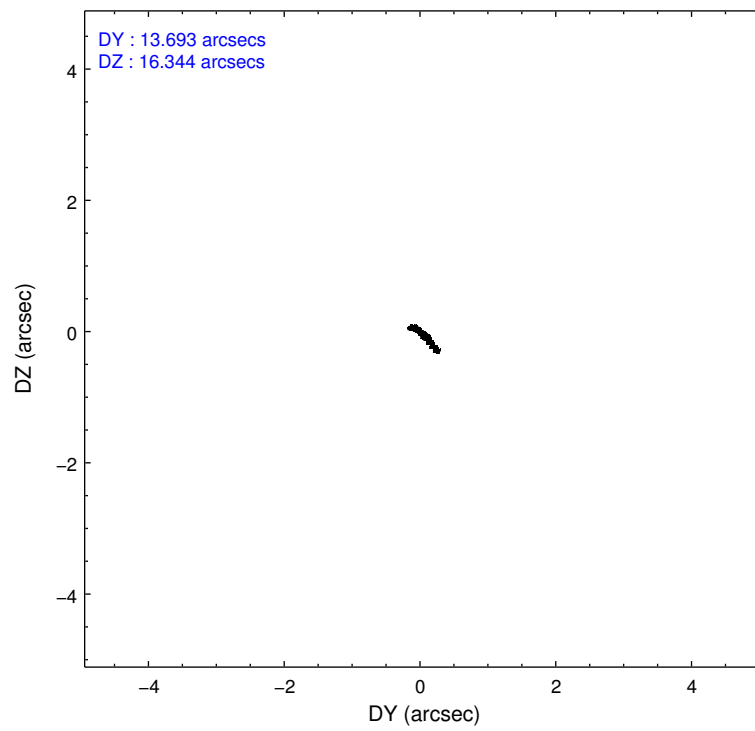
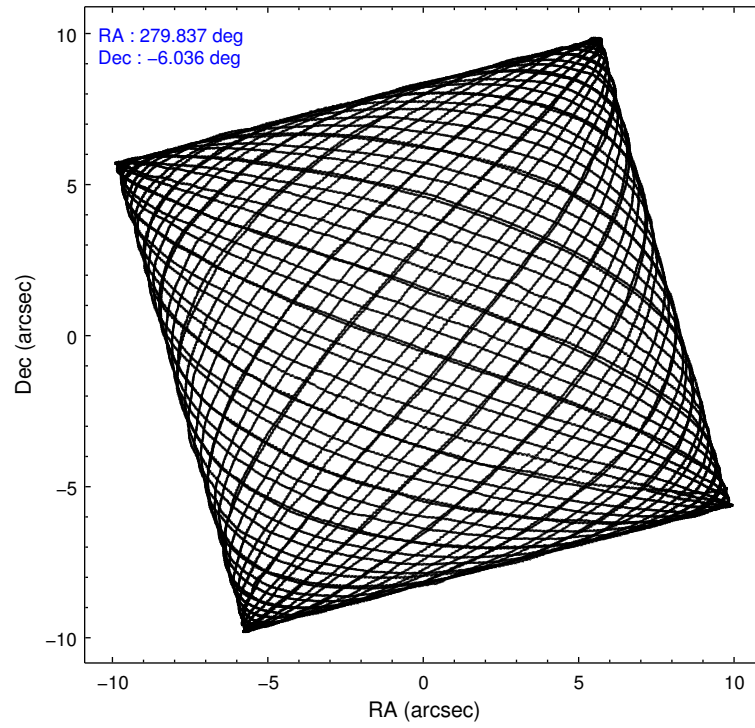
2.1.4 Events

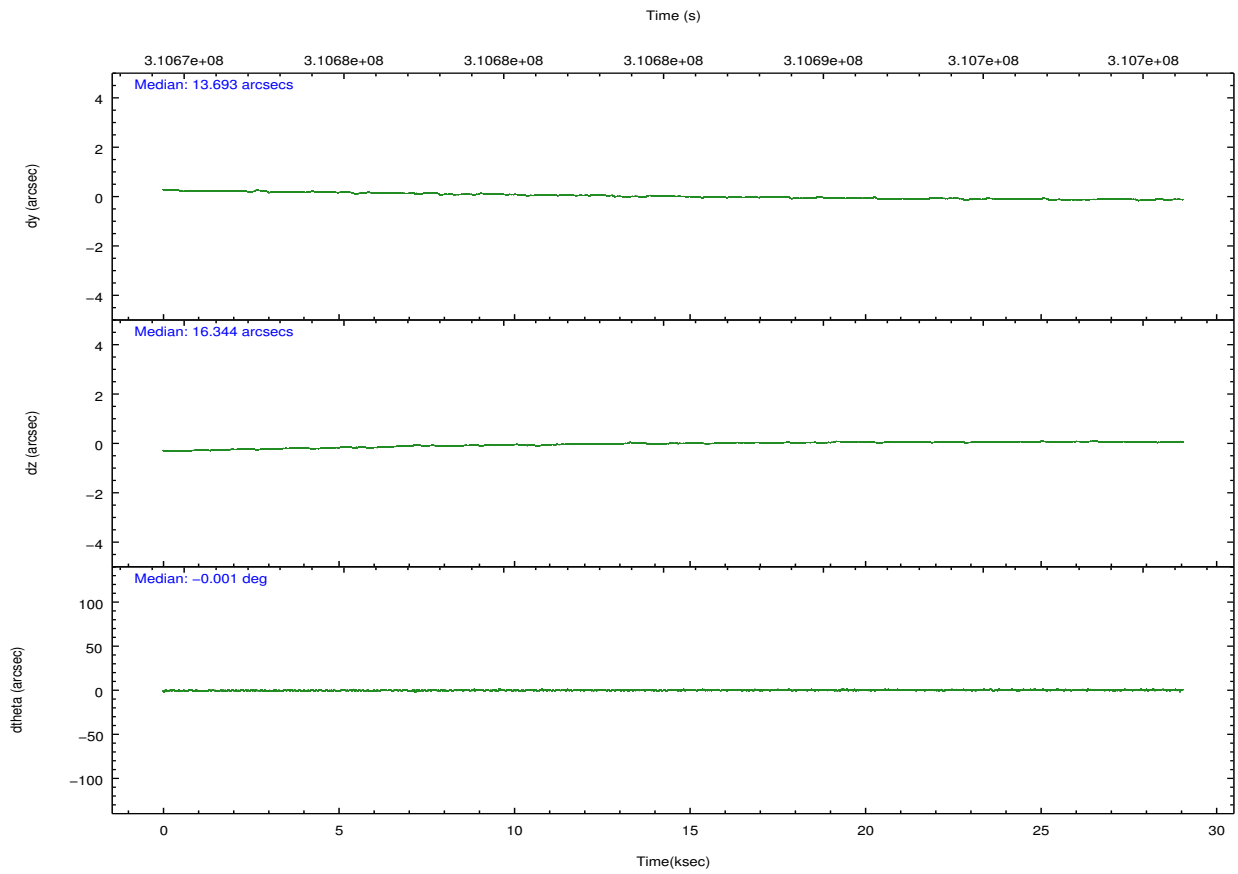
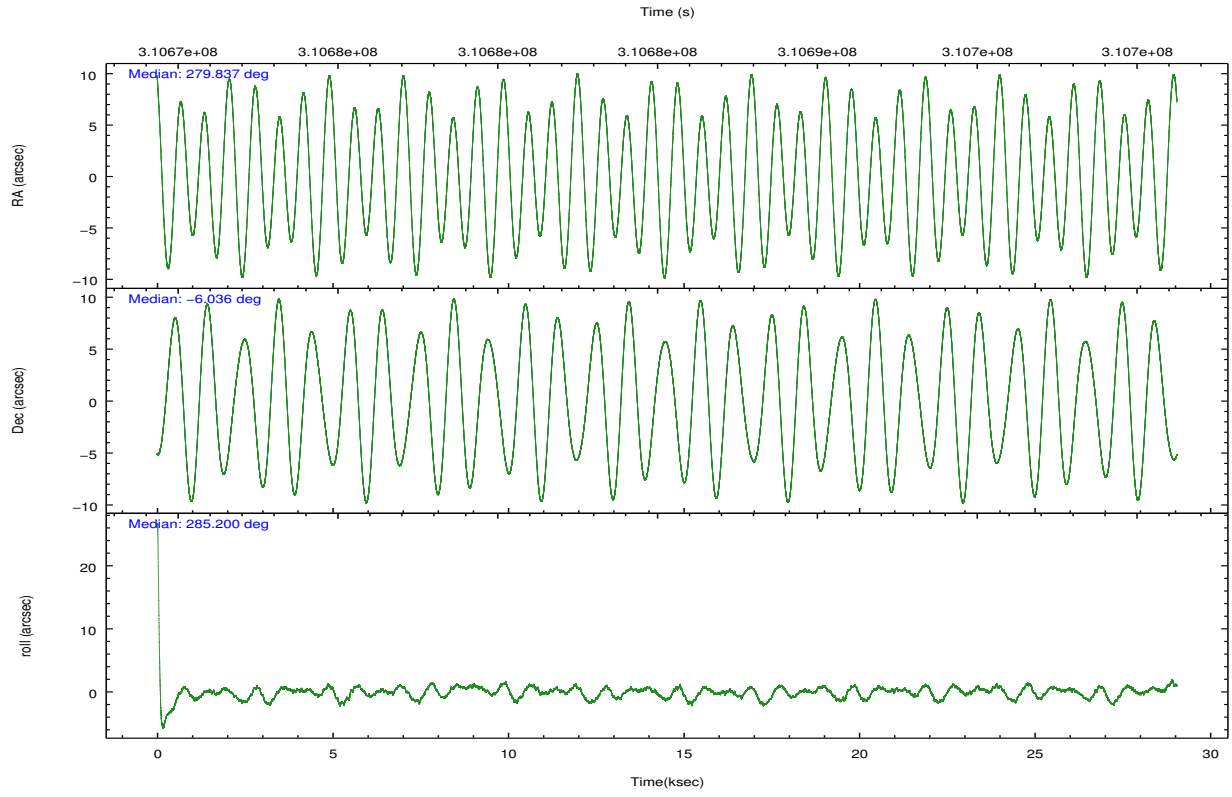
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	257955	257084	282119	275159	286603	384961	grade 0 events	15849	14575	17265	16545	15035	14538
rejected events	222418	220227	245954	239491	250363	221898		6%	5%	6%	6%	5%	3%
rejected %	86%	85%	87%	87%	87%	57%	grade 1 events	204	162	218	197	167	365
								0%	0%	0%	0%	0%	0%
							grade 2 events	7586	8558	7194	6811	7648	33620
								2%	3%	2%	2%	2%	8%
							grade 3 events	3195	3450	3097	3215	3357	14002
								1%	1%	1%	1%	1%	3%
							grade 4 events	3020	3289	3139	3179	3244	13929
								1%	1%	1%	1%	1%	3%
							grade 5 events	11159	11937	10712	12981	13441	36276
								4%	4%	3%	4%	4%	9%
							grade 6 events	5891	6994	5473	5924	6960	86984
								2%	2%	1%	2%	2%	22%
							grade 7 events	211051	208119	235021	226307	236751	185247
								81%	80%	83%	82%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	279.817581	279.8372846760275	CCD I2 on	Y	Y
[deg] Pointing Dec	-6.016878	-6.036180403372795	CCD I3 on	Y	Y
[deg] Pointing Roll	284.998389	285.2091469749669	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	310671965.184000	310670501.23038	CCD S5 on	N	N
Observation start date	2007-11-05T17:45:00	2007-11-05T17:21:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	310699824.184000	310700066.33181	On-chip summing requested	N	N
Observation end date	2007-11-06T01:29:19	2007-11-06T01:34:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





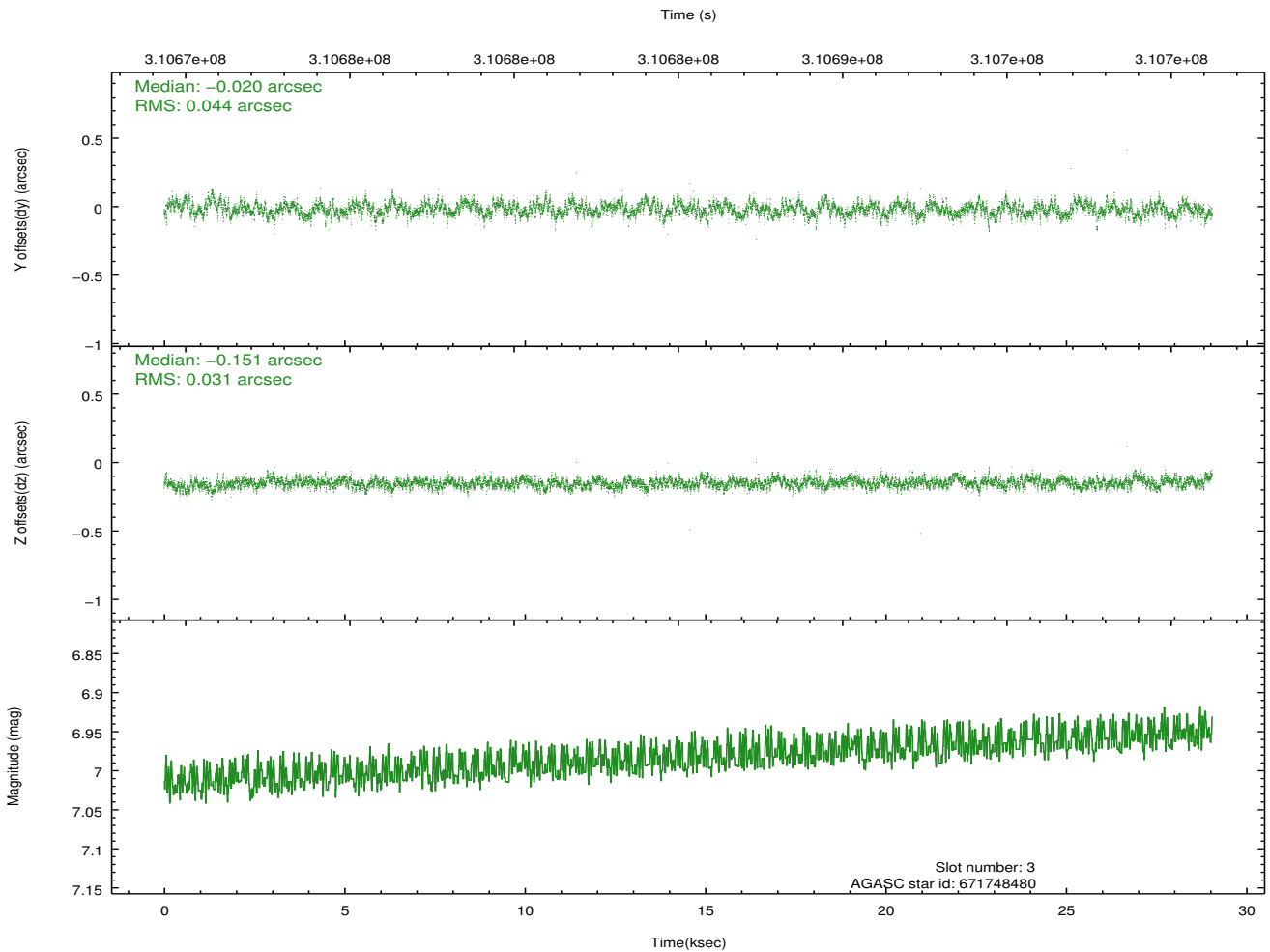
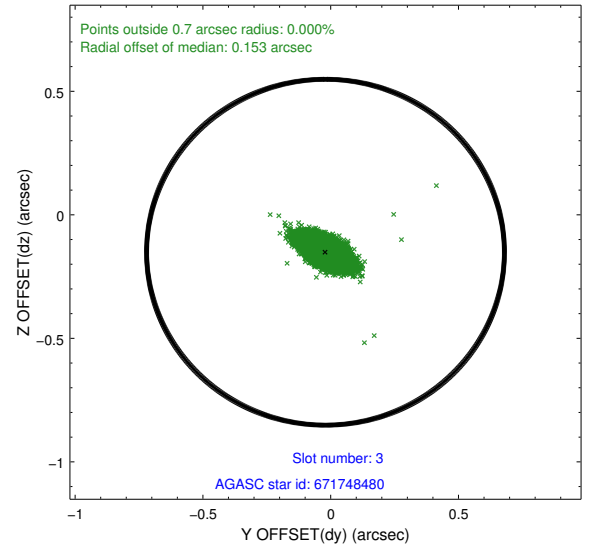
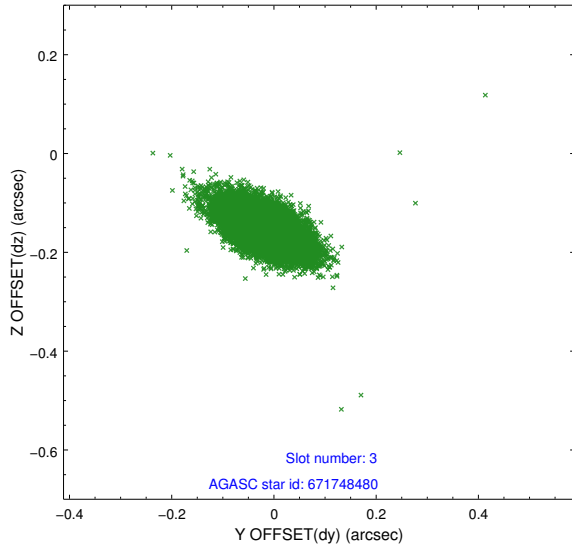
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	7085	0.060	-0.042	0.007	0.012	0.000000	0.000000	925.82	-840.00
1	FID	ACIS-I-5	7.22	7086	-0.210	0.061	0.008	0.014	0.000000	0.000000	-1822.48	1057.61
2	FID	ACIS-I-6	7.23	7083	0.058	0.051	0.009	0.017	0.000000	0.000000	391.33	1702.15
3	GUIDE	671748480	6.98	14171	-0.020	-0.151	0.054	0.097	279.462954	-6.796807	2385.06	-1950.93
4	GUIDE	671759144	8.66	14163	0.215	0.140	0.072	0.115	279.658906	-5.990264	-238.76	-523.82
5	GUIDE	671761568	8.31	14168	-0.093	-0.080	0.051	0.083	280.250283	-5.657644	-847.60	1831.82
6	GUIDE	671762280	8.85	14158	0.028	0.042	0.094	0.146	280.028746	-5.773981	-648.07	957.46
7	GUIDE	671763744	7.52	14169	-0.125	0.052	0.056	0.093	280.132895	-5.707615	-782.94	1379.27

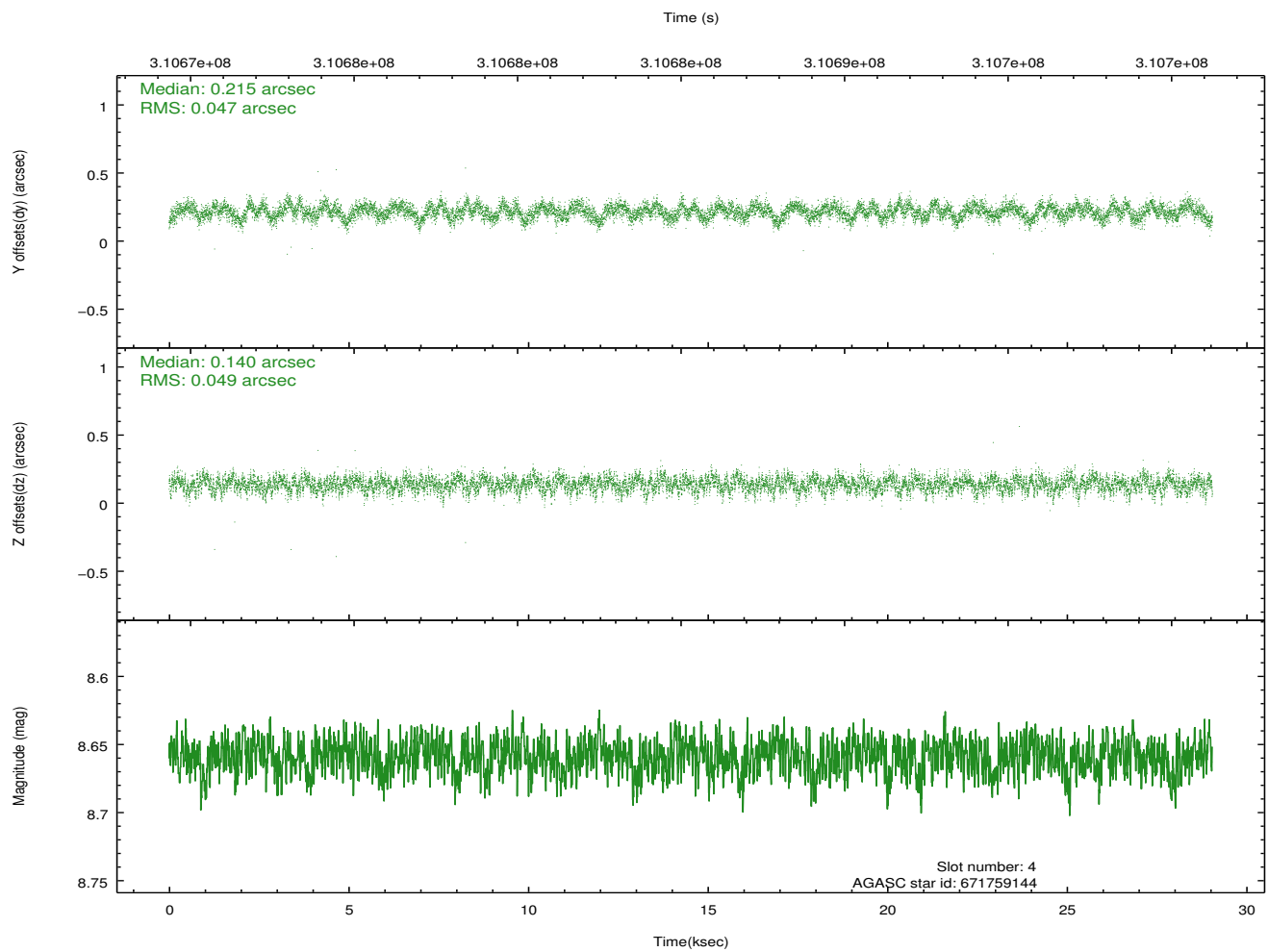
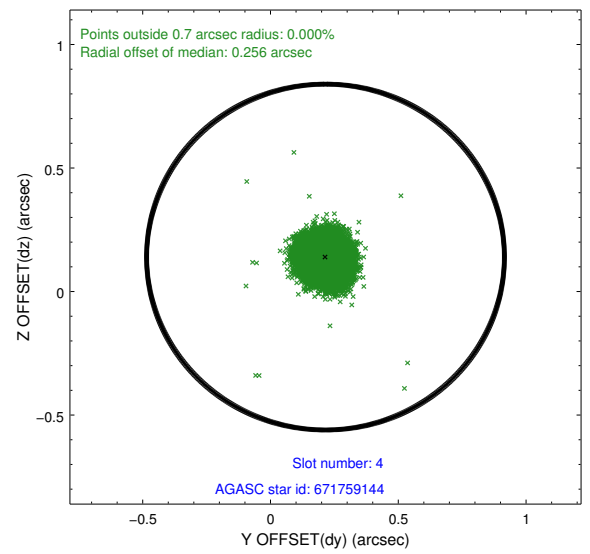
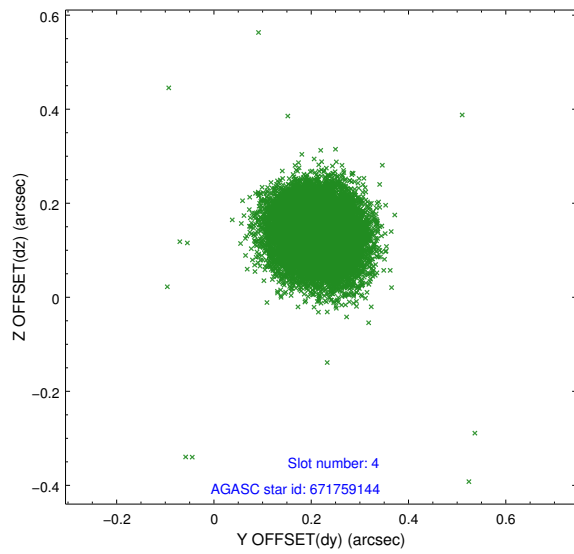
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2.4 Star Slots

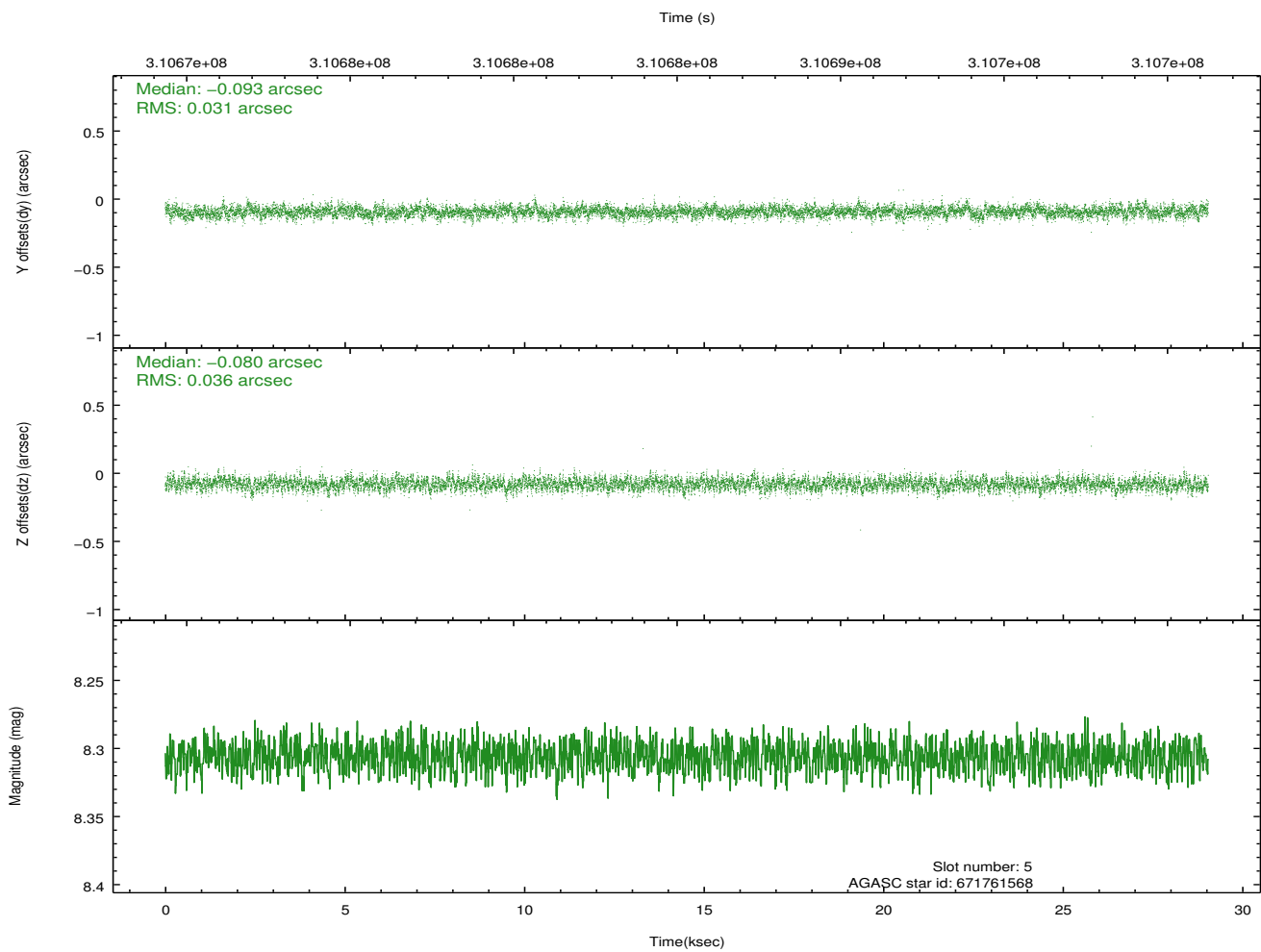
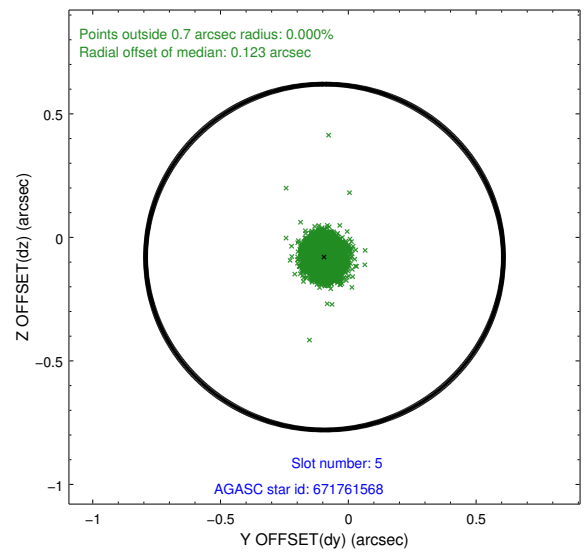
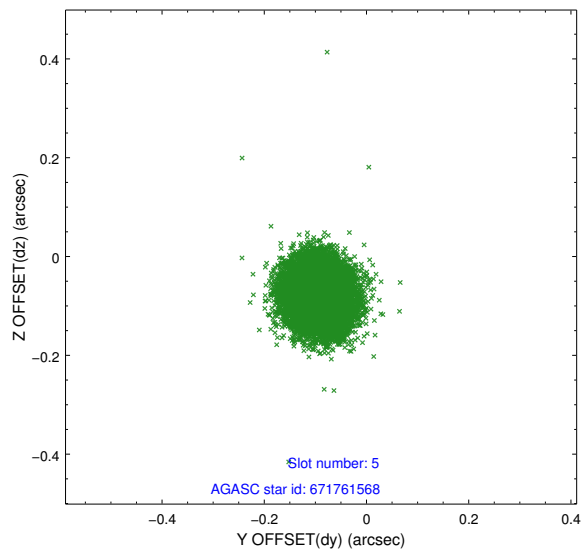
2.4.1 Slot 3



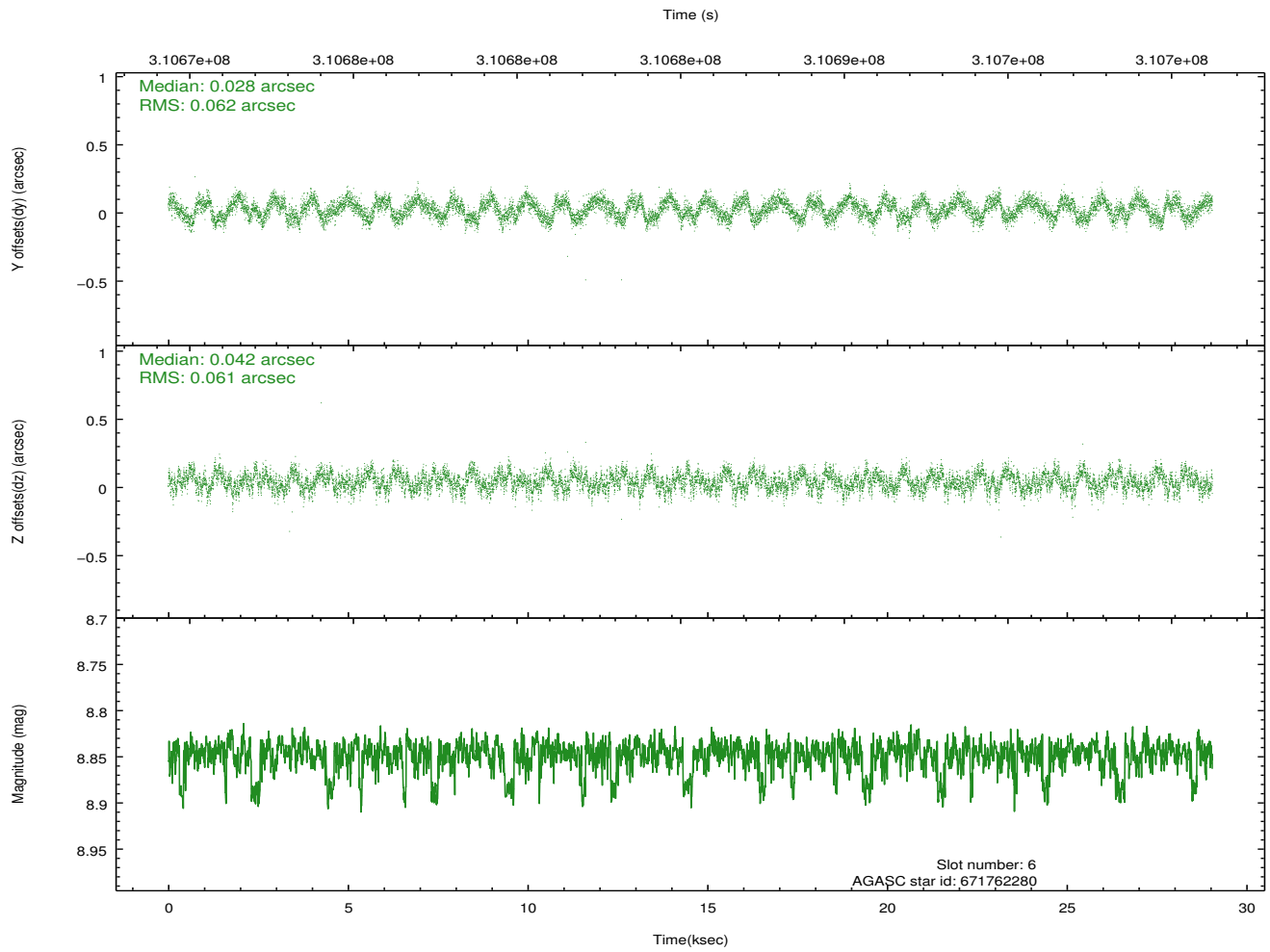
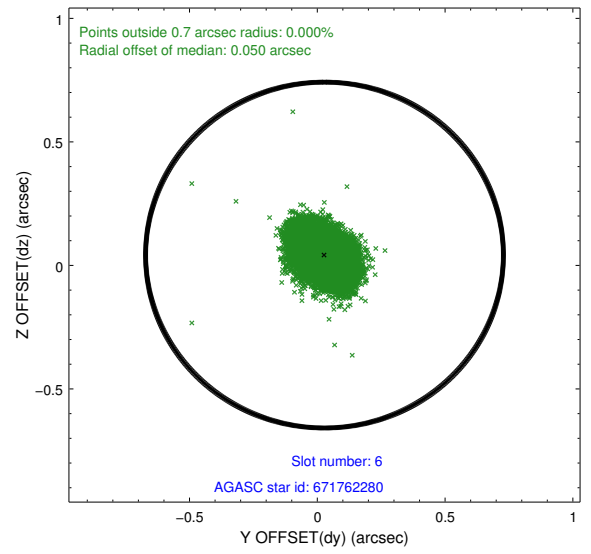
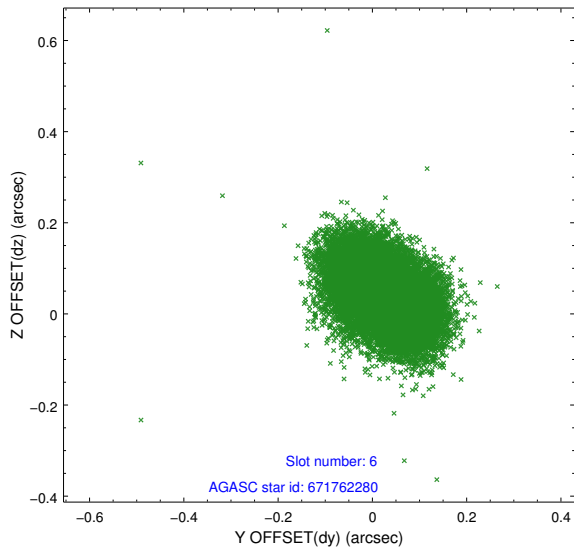
2.4.2 Slot 4



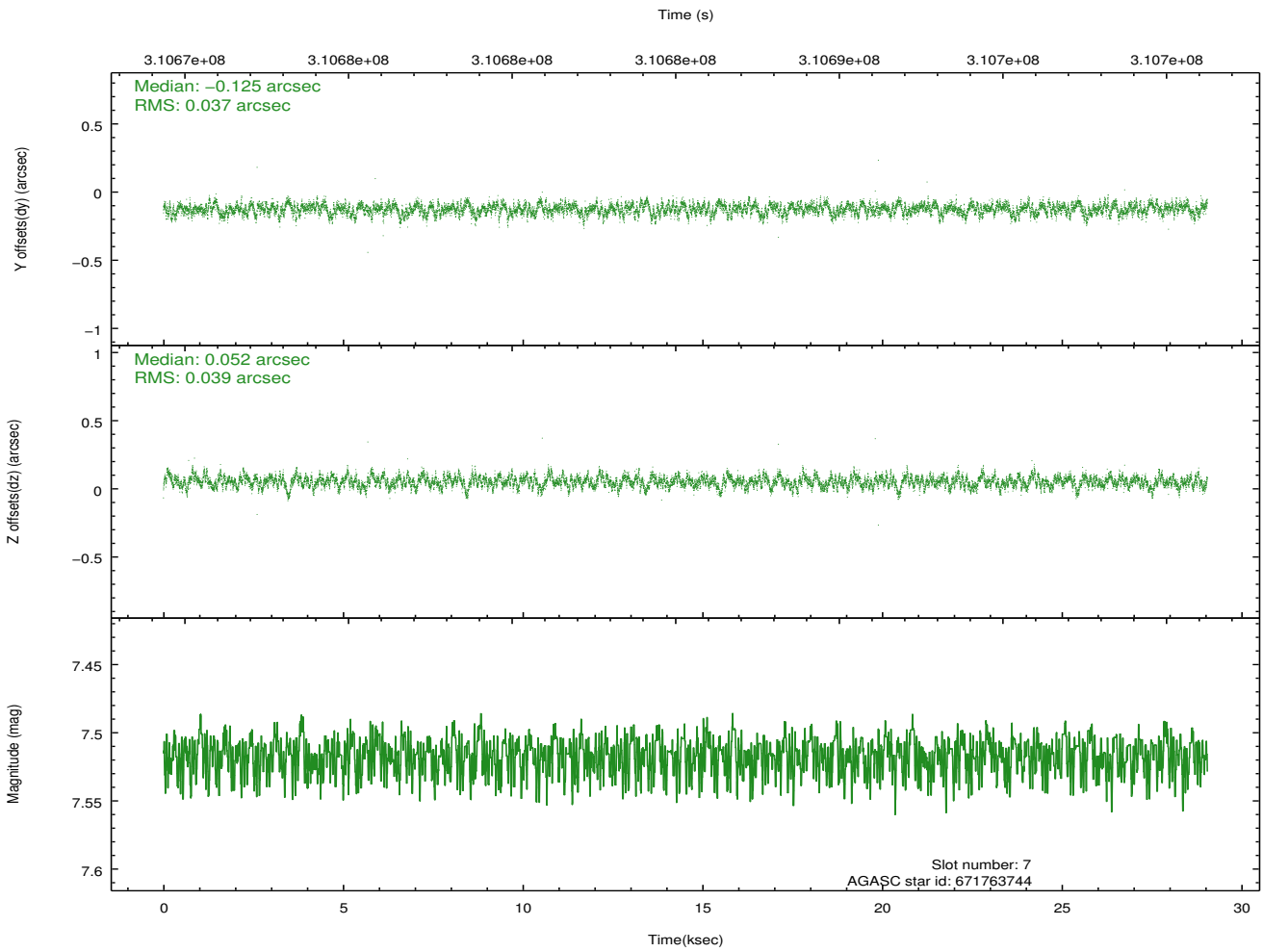
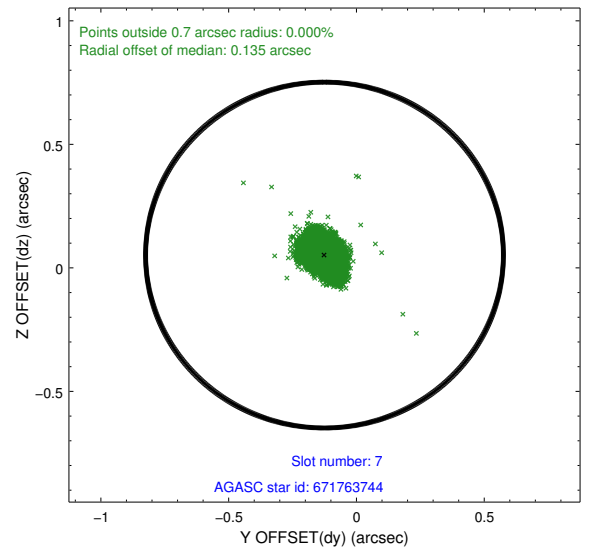
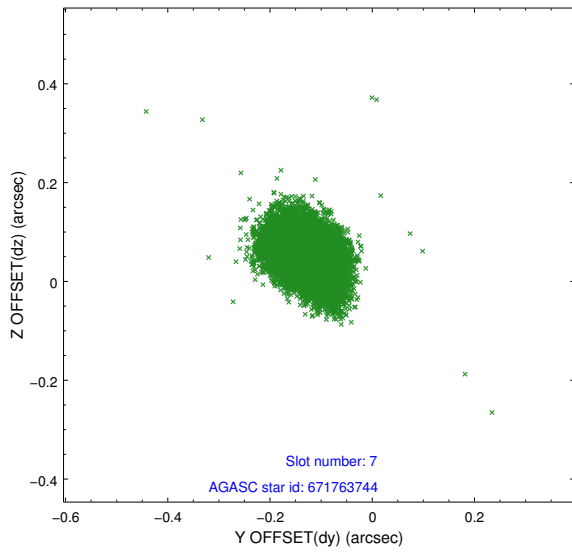
2.4.3 Slot 5



2.4.4 Slot 6

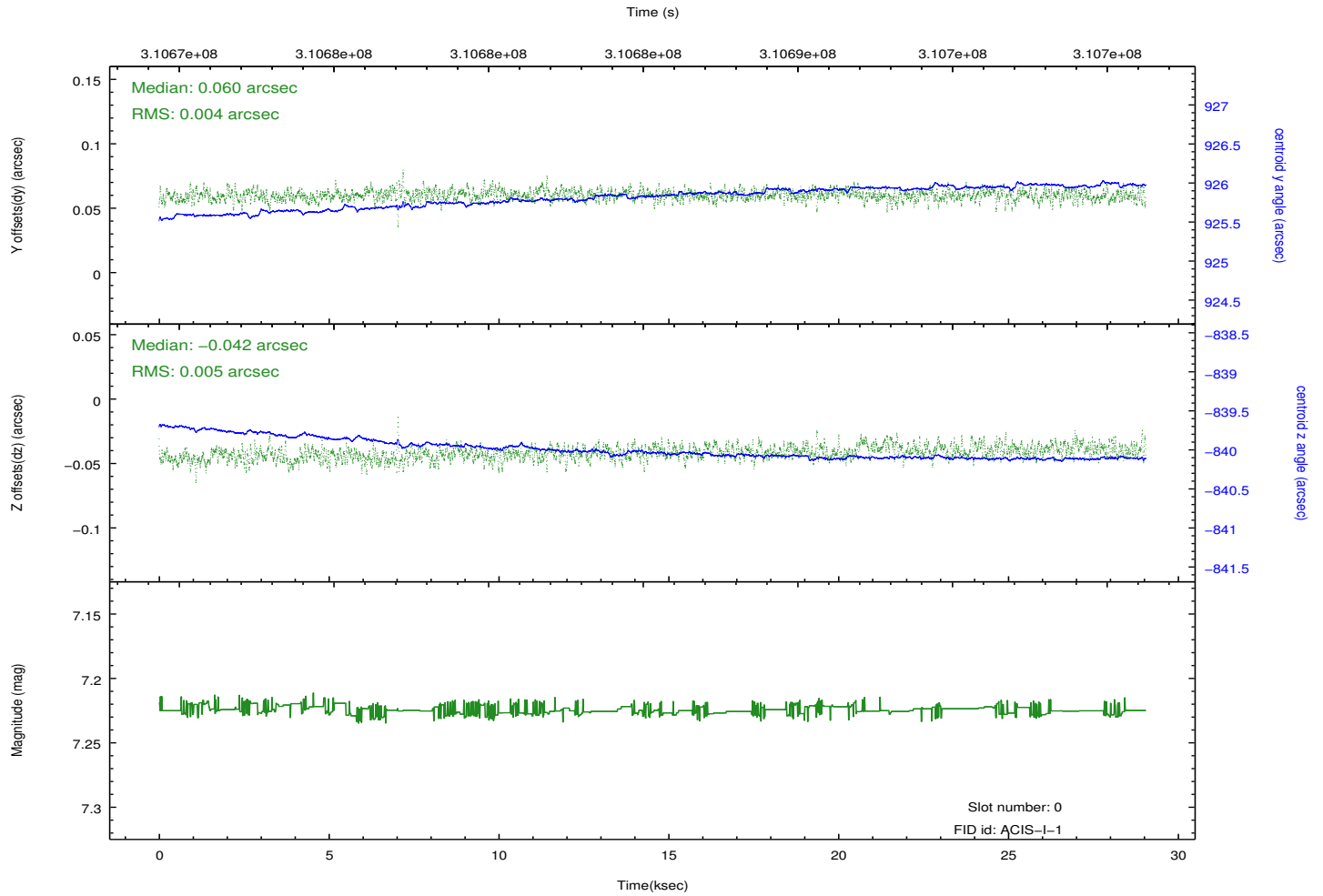
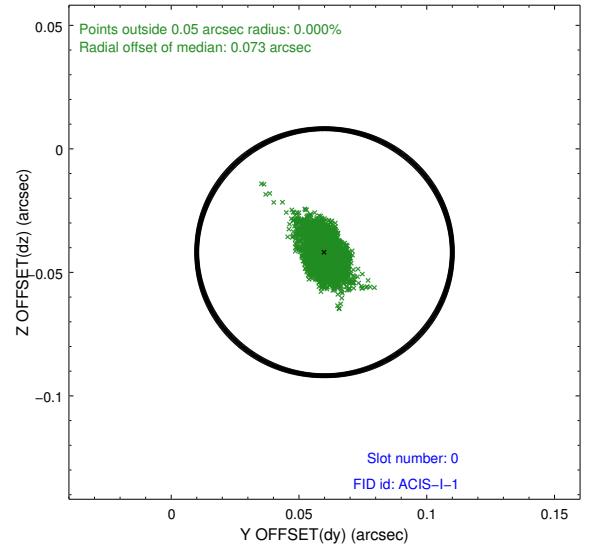
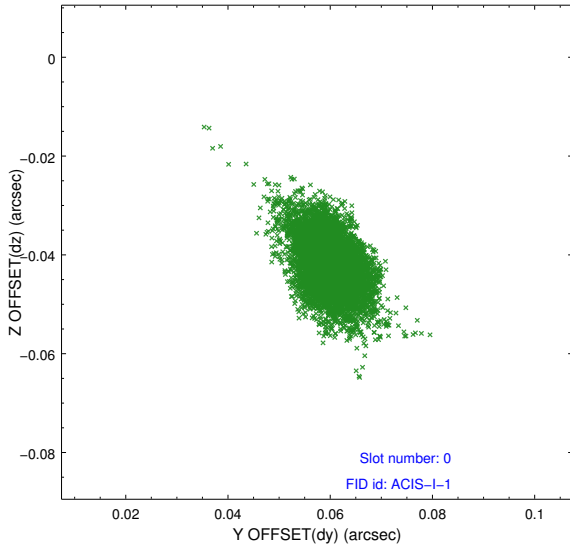


2.4.5 Slot 7

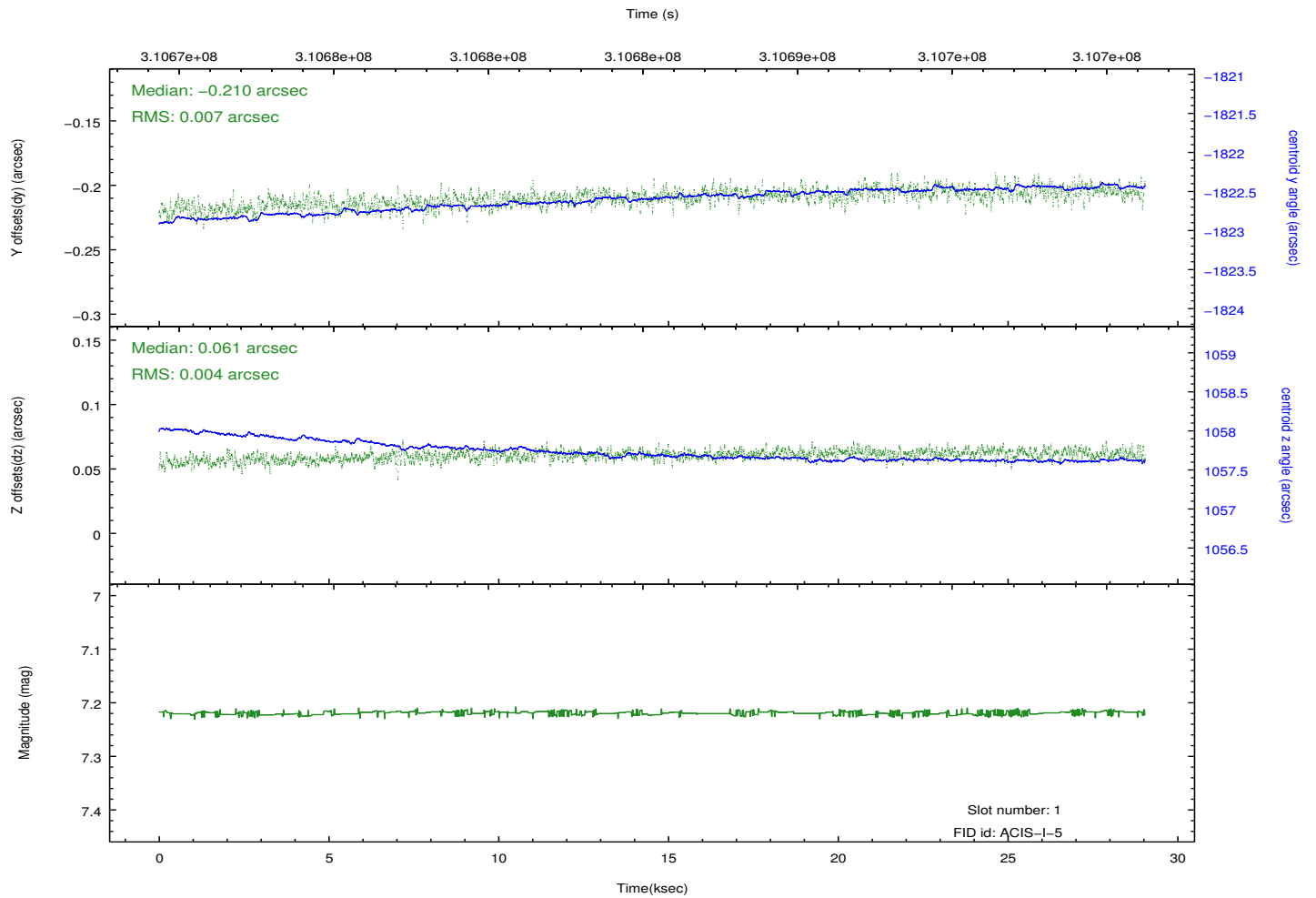
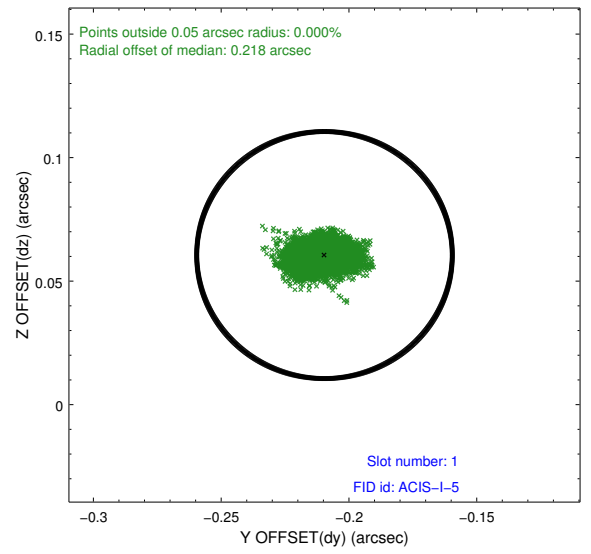
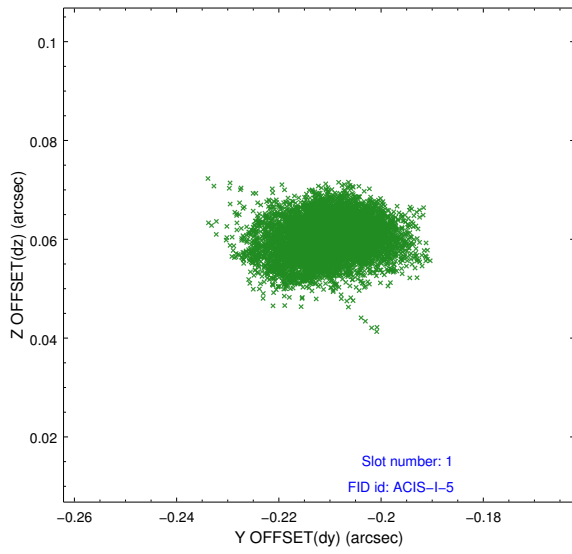


2.5 FID Slots

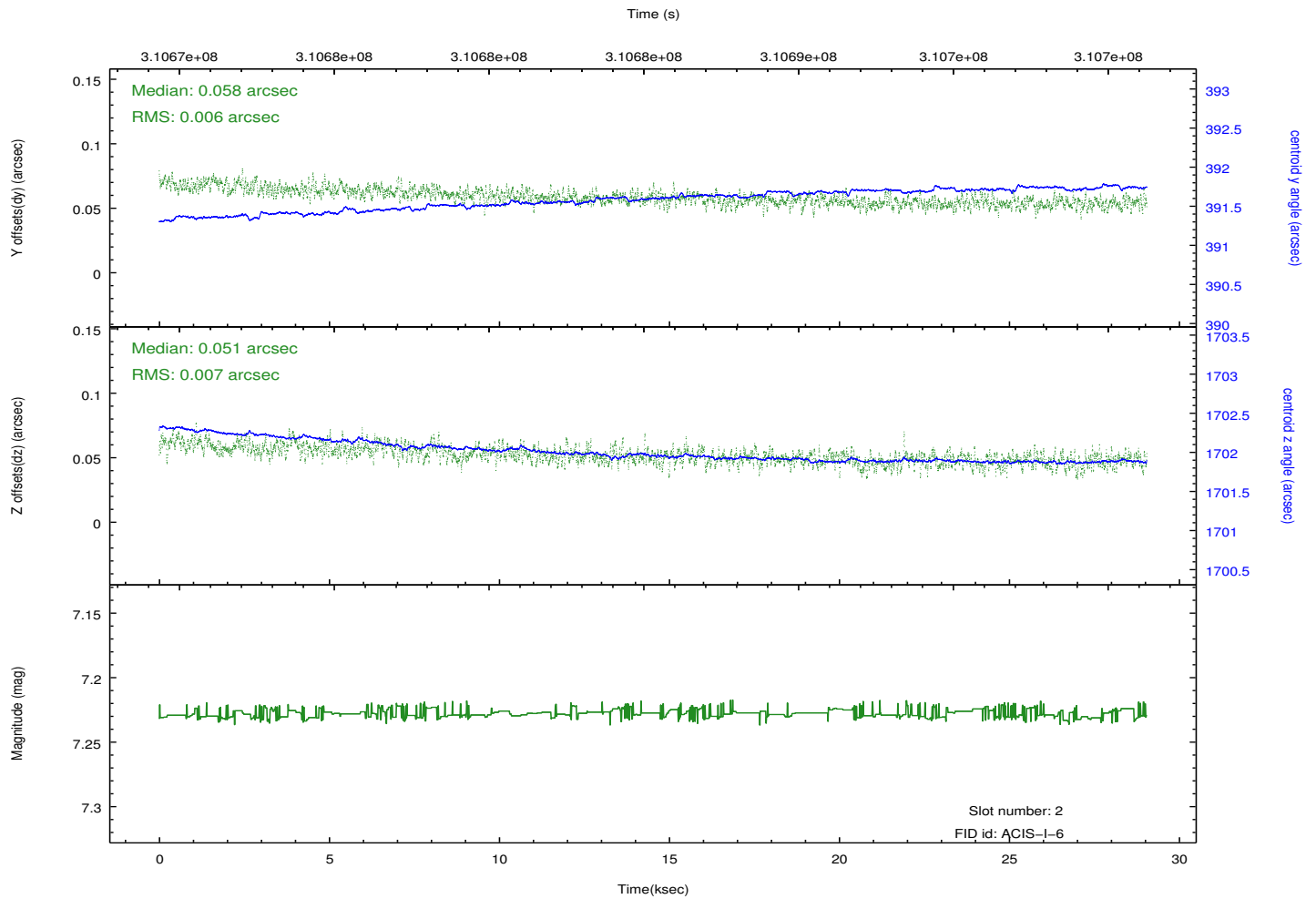
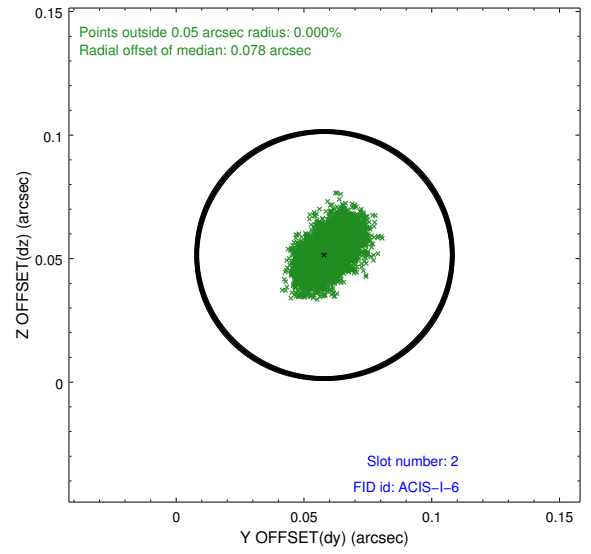
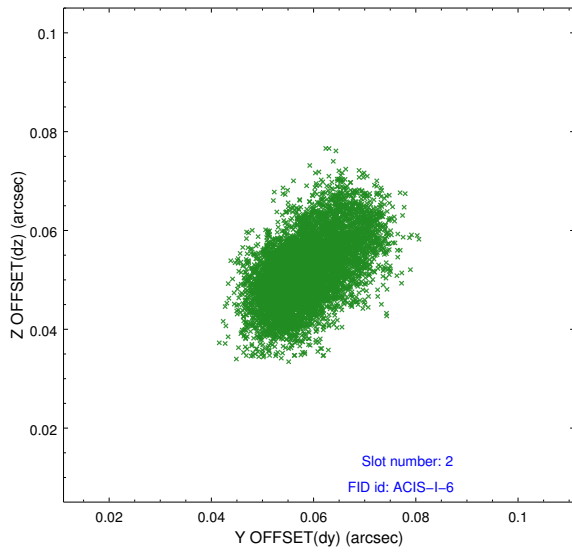
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.8111998

A.2 Comments