

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6423 - L2 Version 2
Chandra X-Ray Center

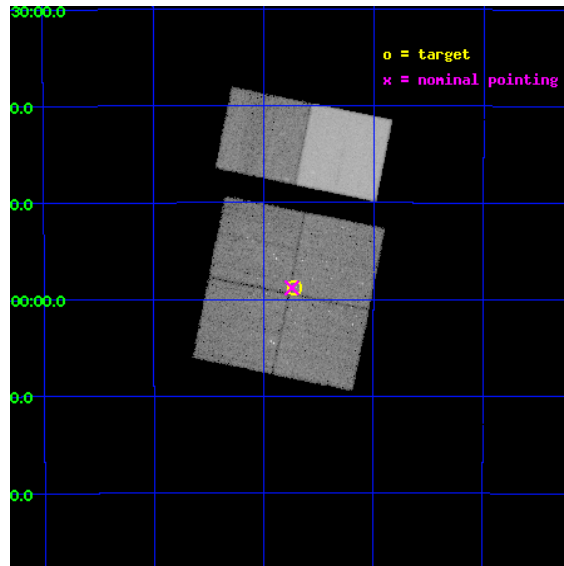
L2 Processing Date : Mar 30 2012

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1 Front

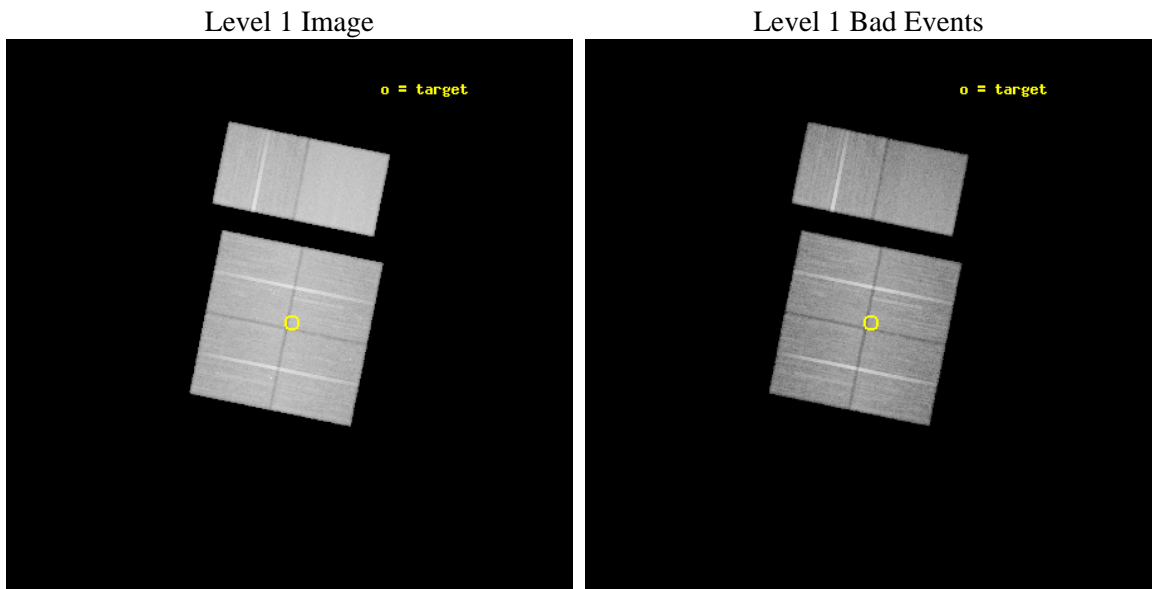
seq_num	200397	Sequence number
obs_id	6423	Observation id
title	Young Stars and Protoplanetary Disks in The Rich Cometary Globule CG 12	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	CG 12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.429583	Observer's specified target RA [deg]
dec_targ	-39.979167	Observer's specified target Dec [deg]
ra_nom	209.43554890969	Nominal RA [deg]
dec_nom	-39.980080096139	Nominal Dec [deg]
roll_nom	11.487922605342	Nominal Roll [deg]
revision	2	Processing version of data
ontime	31177.599883854	Sum of GTIs [s]
livetime	30782.810341228	Livetime [s]
ontime0	31177.599883854	Sum of GTIs [s]
ontime1	31177.599883854	Sum of GTIs [s]
ontime2	31174.35888356	Sum of GTIs [s]
ontime3	31177.599883854	Sum of GTIs [s]
ontime6	31177.599883854	Sum of GTIs [s]
ontime7	31177.599883854	Sum of GTIs [s]
l2events	293289	Number of level 2 events



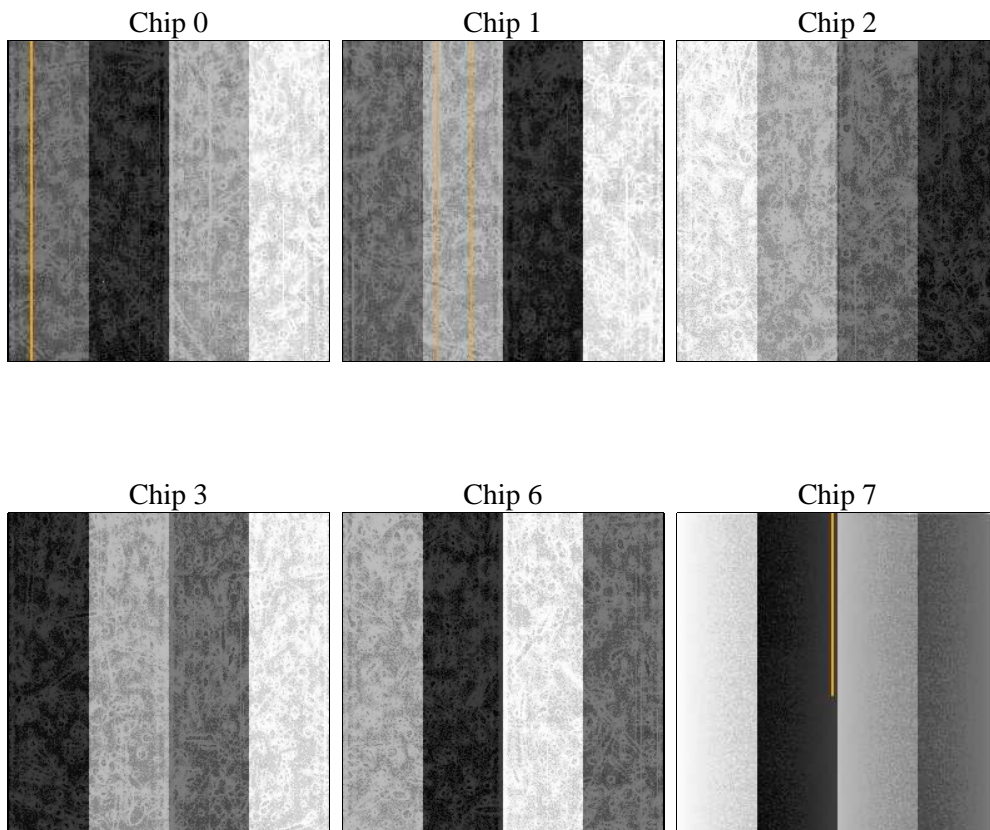
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	31177.599883854	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	31177.599883854	Sum of GTIs [s]
date	2012-03-30T06:05:44	Date and time of file creation	ontime1	31177.599883854	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	31174.35888356	Sum of GTIs [s]
			ontime3	31177.599883854	Sum of GTIs [s]
			ontime6	31177.599883854	Sum of GTIs [s]
			ontime7	31177.599883854	Sum of GTIs [s]
			l1events	1702722	Number of level 1 events

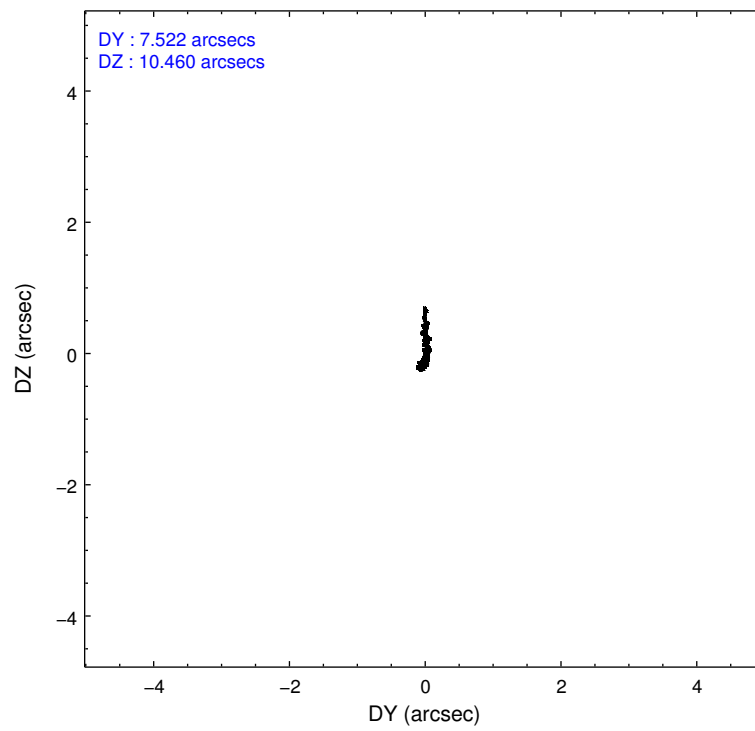
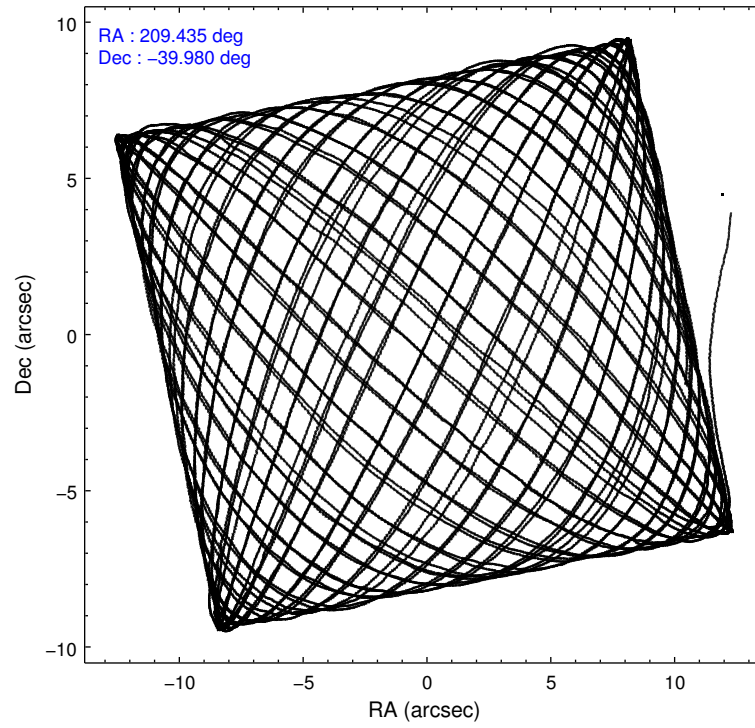
2.1.4 Events

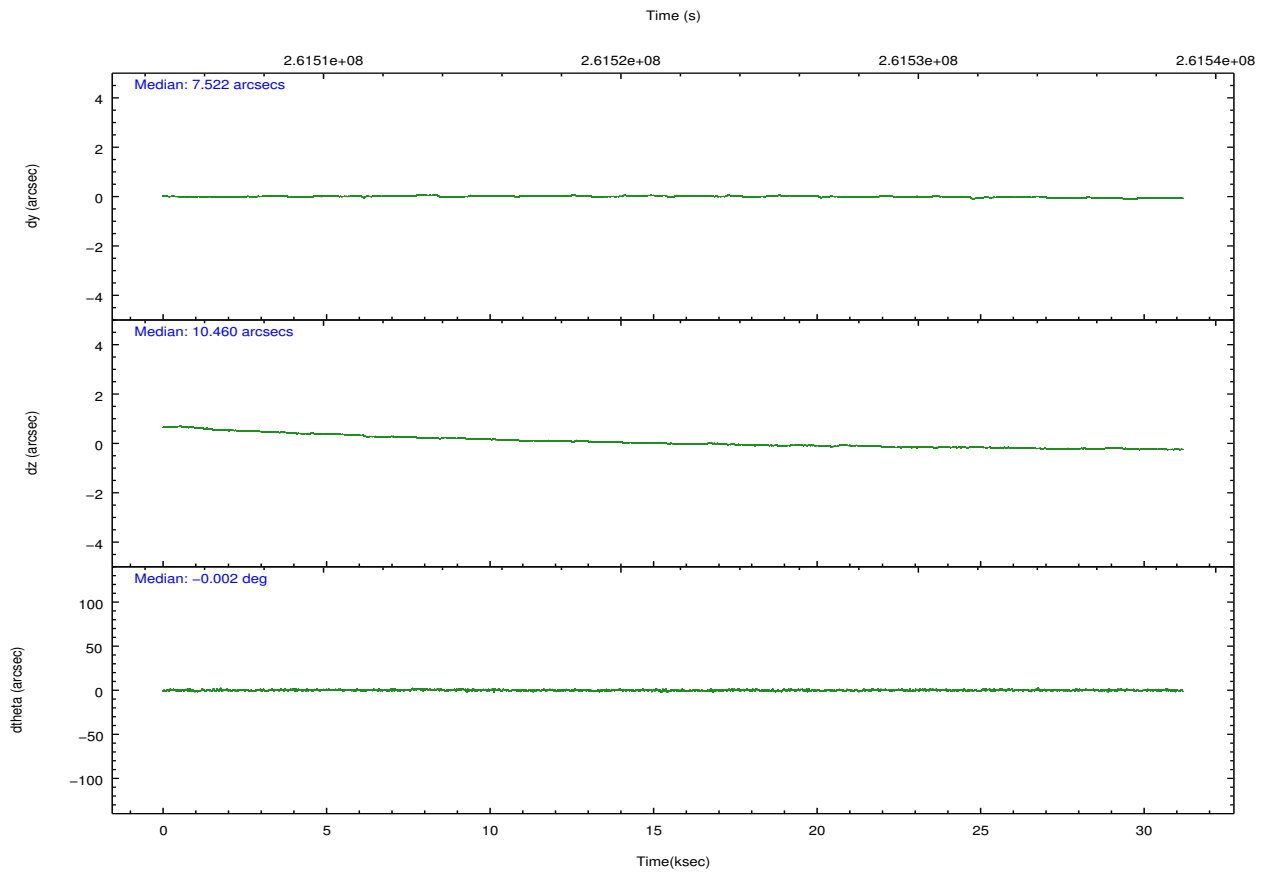
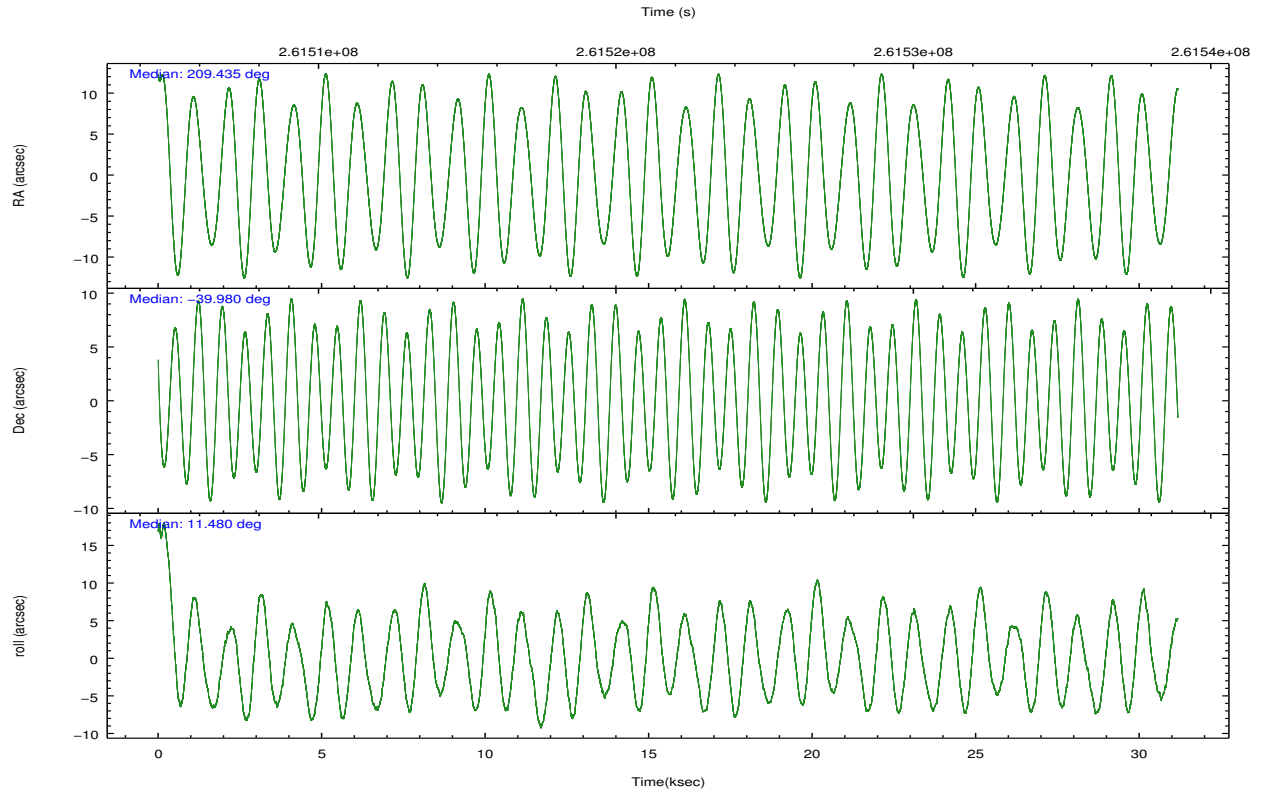
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	249371	252511	276728	266739	285444	371929	grade 0 events	14372	13852	14497	14420	13216	14234
rejected events	216494	217834	244659	234684	252628	217404		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	88%	58%	grade 1 events	170	150	161	164	154	377
								0%	0%	0%	0%	0%	0%
							grade 2 events	7019	7745	6665	6132	7171	31391
								2%	3%	2%	2%	2%	8%
							grade 3 events	3025	3301	2943	3073	3035	13665
								1%	1%	1%	1%	1%	3%
							grade 4 events	2987	3225	3018	3031	3033	13646
								1%	1%	1%	1%	1%	3%
							grade 5 events	10676	11546	10457	12345	13069	35435
								4%	4%	3%	4%	4%	9%
							grade 6 events	5719	6839	5178	5629	6590	82711
								2%	2%	1%	2%	2%	22%
							grade 7 events	205403	205853	233809	221945	239176	180470
								82%	81%	84%	83%	83%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	209.408837	209.4355489096902	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.998306	-39.98008009613946	Alternating exposures requested	N	N
[deg] Pointing Roll	11.262068	11.48792260534218	[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)	261506347.184000	261505157.22363			
Observation start date	2006-04-15T16:38:02	2006-04-15T16:19:17			
[s] Observation end time (MET)	261537347.184000	261537976.70016			
Observation end date	2006-04-16T01:14:42	2006-04-16T01:26:16			
Read mode	TIMED	TIMED			

2.3 Aspect



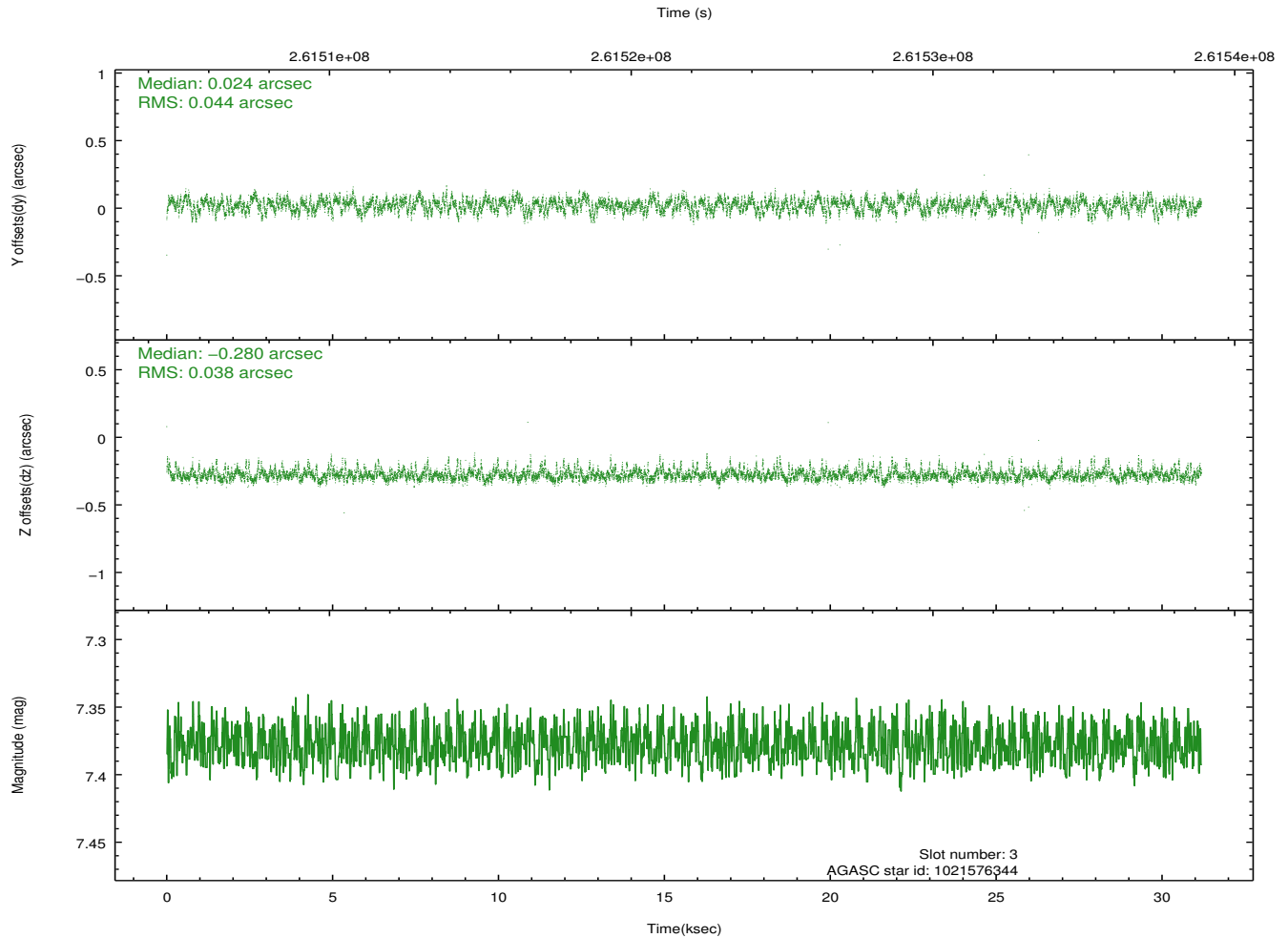
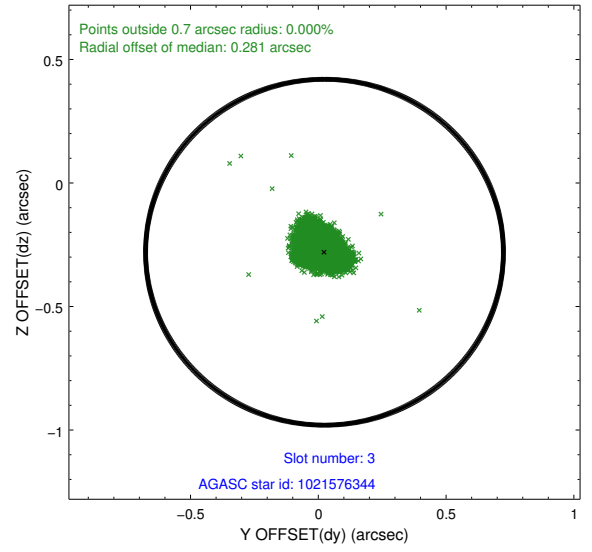
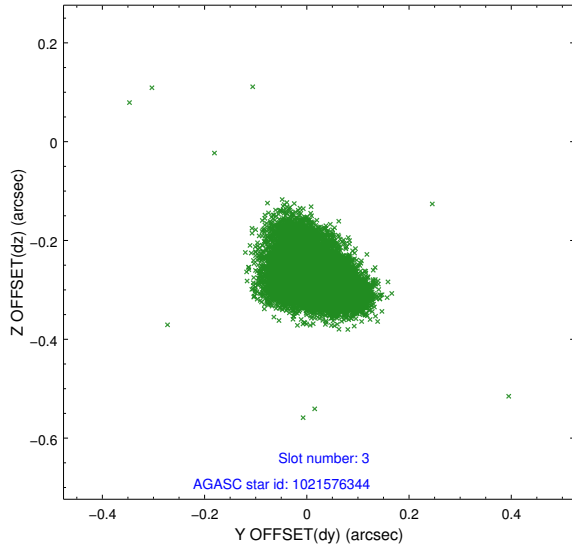


Slot Statistics

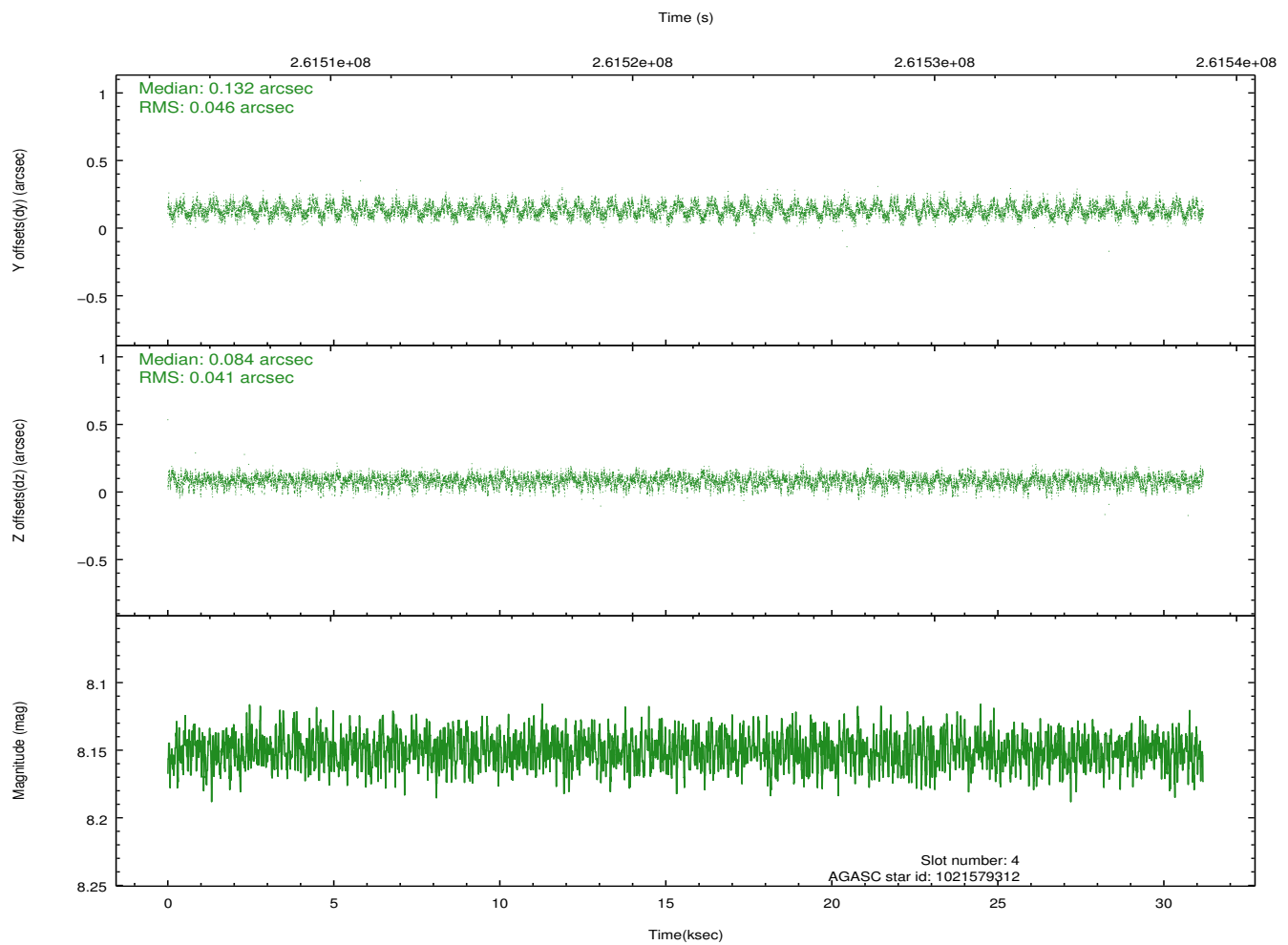
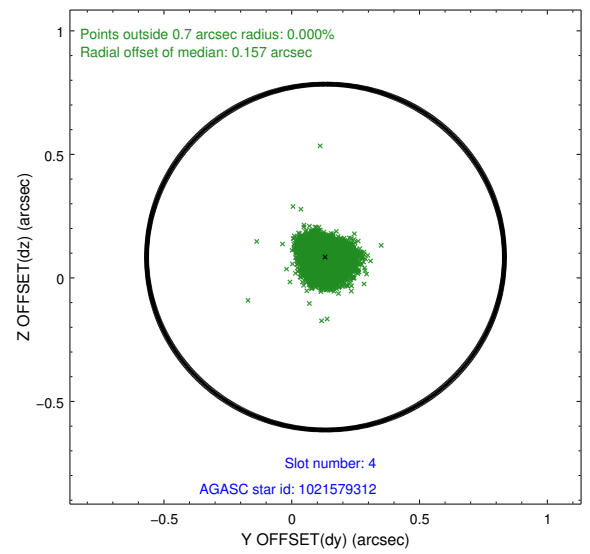
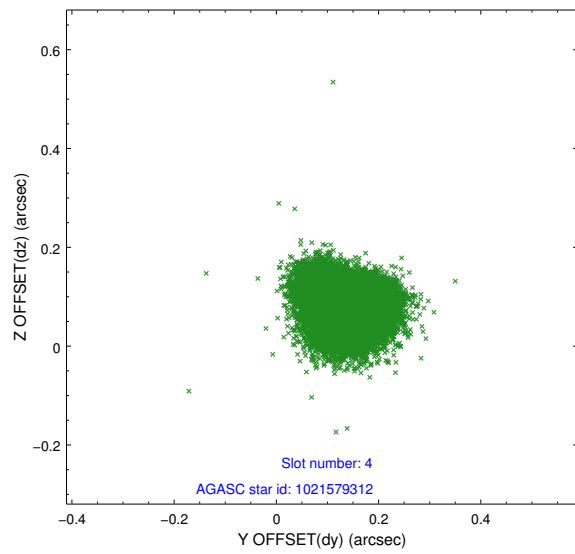
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	7606	-0.077	-0.089	0.012	0.020	0.000000	0.000000	-762.11	-840.46
1	FID	ACIS-I-4	7.18	7606	0.174	0.072	0.007	0.013	0.000000	0.000000	2152.19	1065.82
2	FID	ACIS-I-5	7.23	7606	-0.199	0.086	0.011	0.019	0.000000	0.000000	-1815.96	1063.79
3	GUIDE	1021576344	7.38	15210	0.024	-0.280	0.060	0.105	208.993717	-39.409695	-719.20	2300.79
4	GUIDE	1021579312	8.15	15208	0.132	0.084	0.066	0.102	209.813122	-40.124299	1002.38	-664.31
5	GUIDE	1021592736	9.07	15198	-0.046	0.172	0.077	0.126	208.807007	-40.564031	-2012.64	-1681.54
6	GUIDE	1022773704	8.78	15175	-0.083	-0.084	0.066	0.108	210.099663	-39.355686	2336.15	1886.33
7	GUIDE	1023299320	8.98	15140	-0.021	0.104	0.077	0.125	210.139518	-40.334498	1729.08	-1586.24

2.4 Star Slots

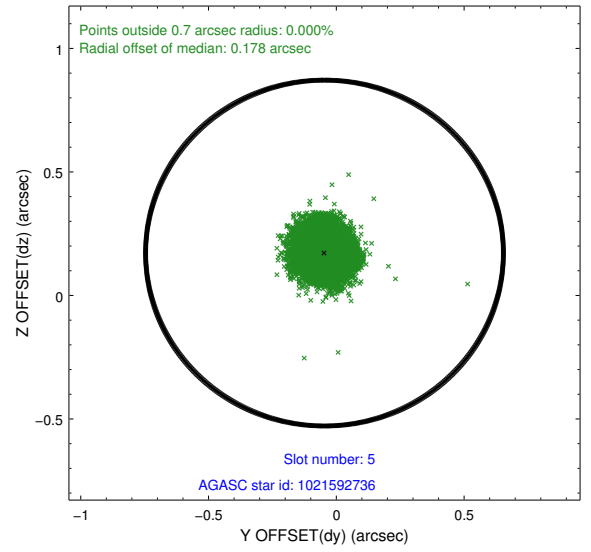
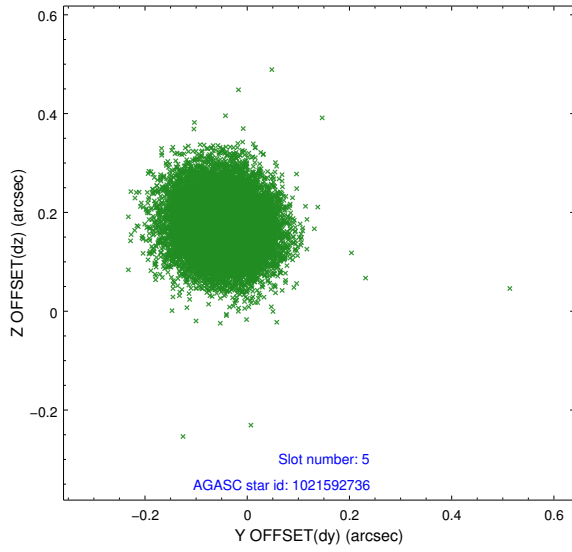
2.4.1 Slot 3



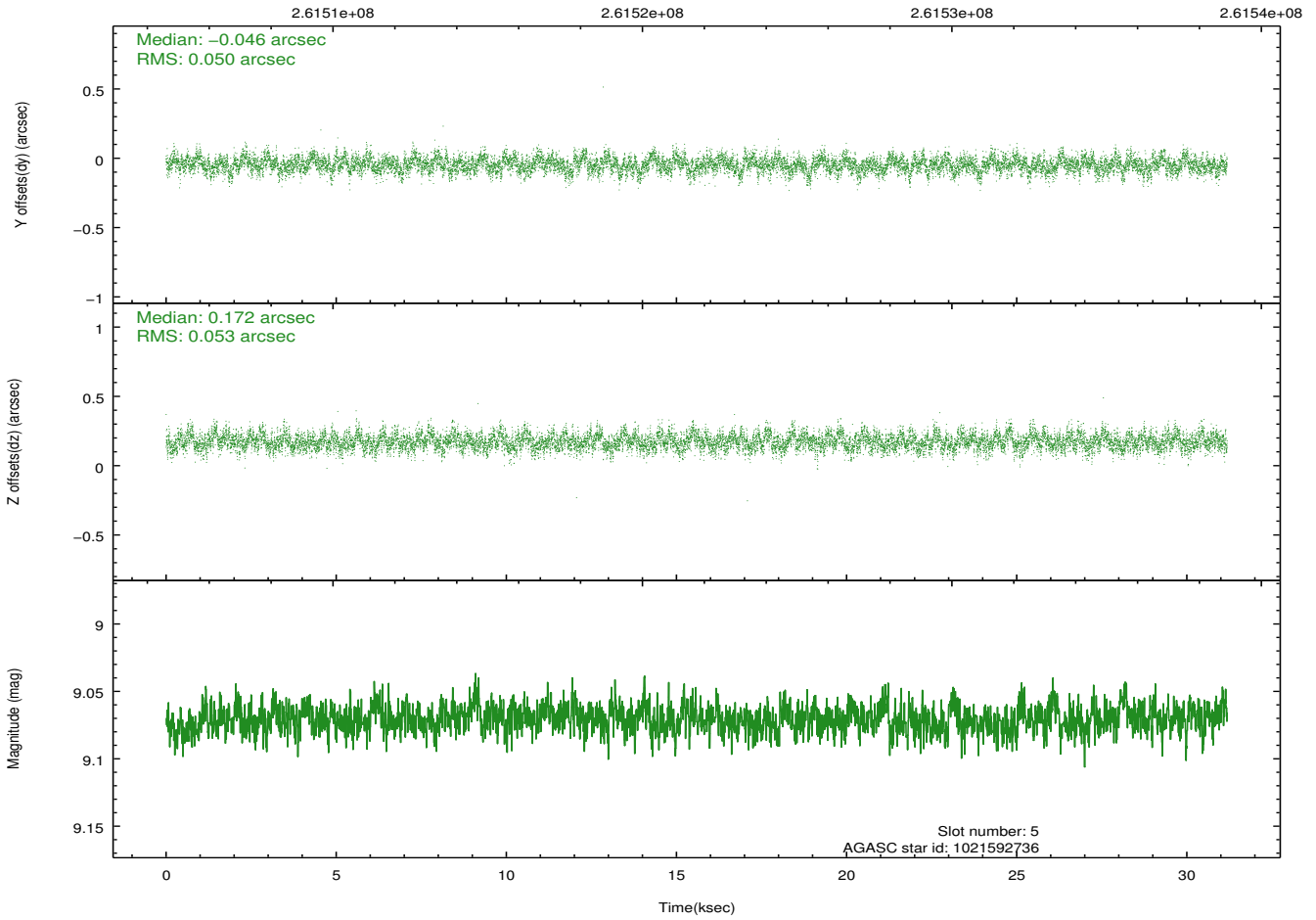
2.4.2 Slot 4



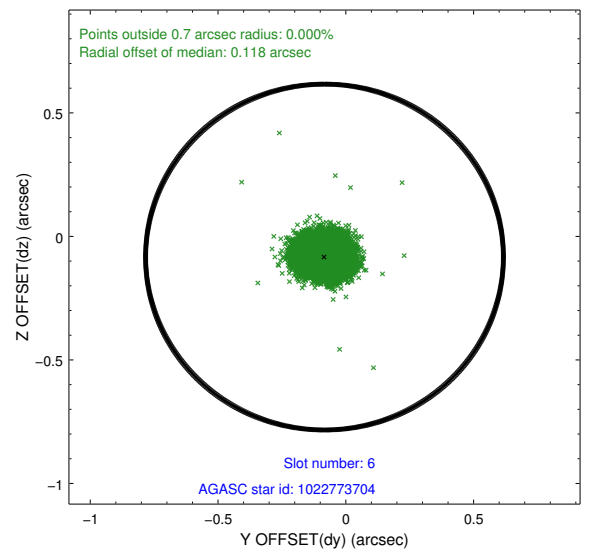
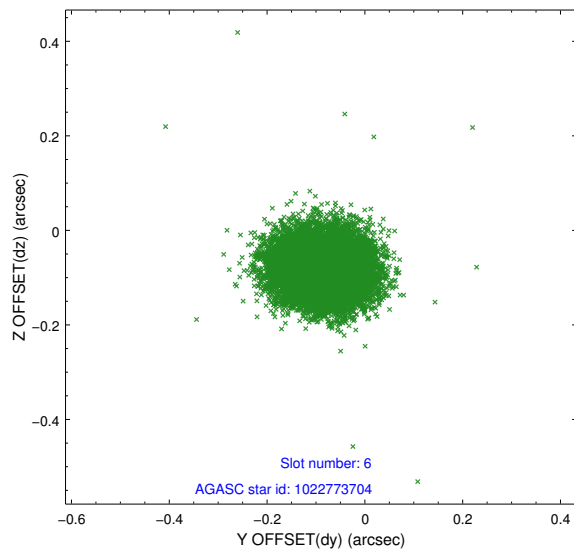
2.4.3 Slot 5



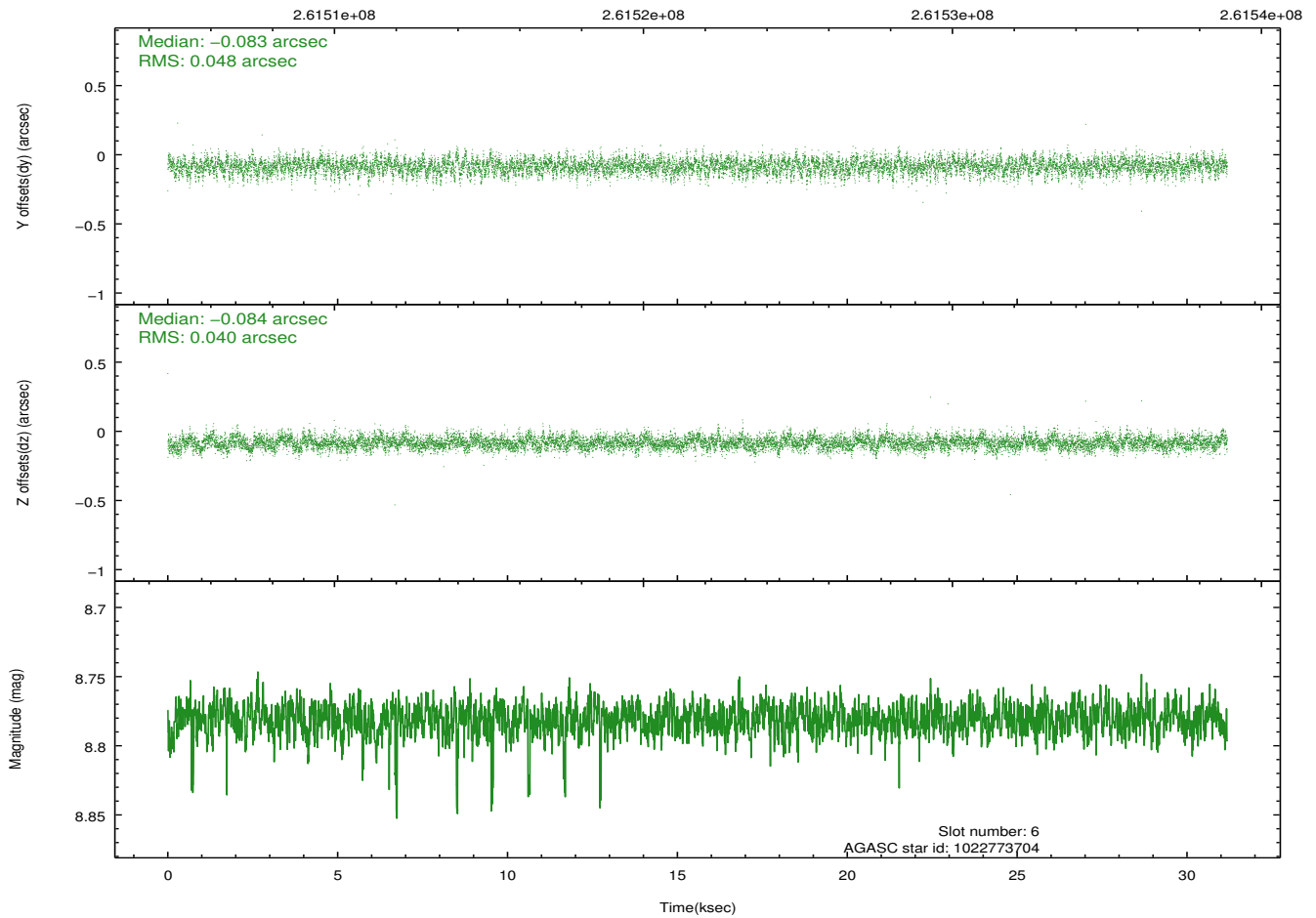
Time (s)



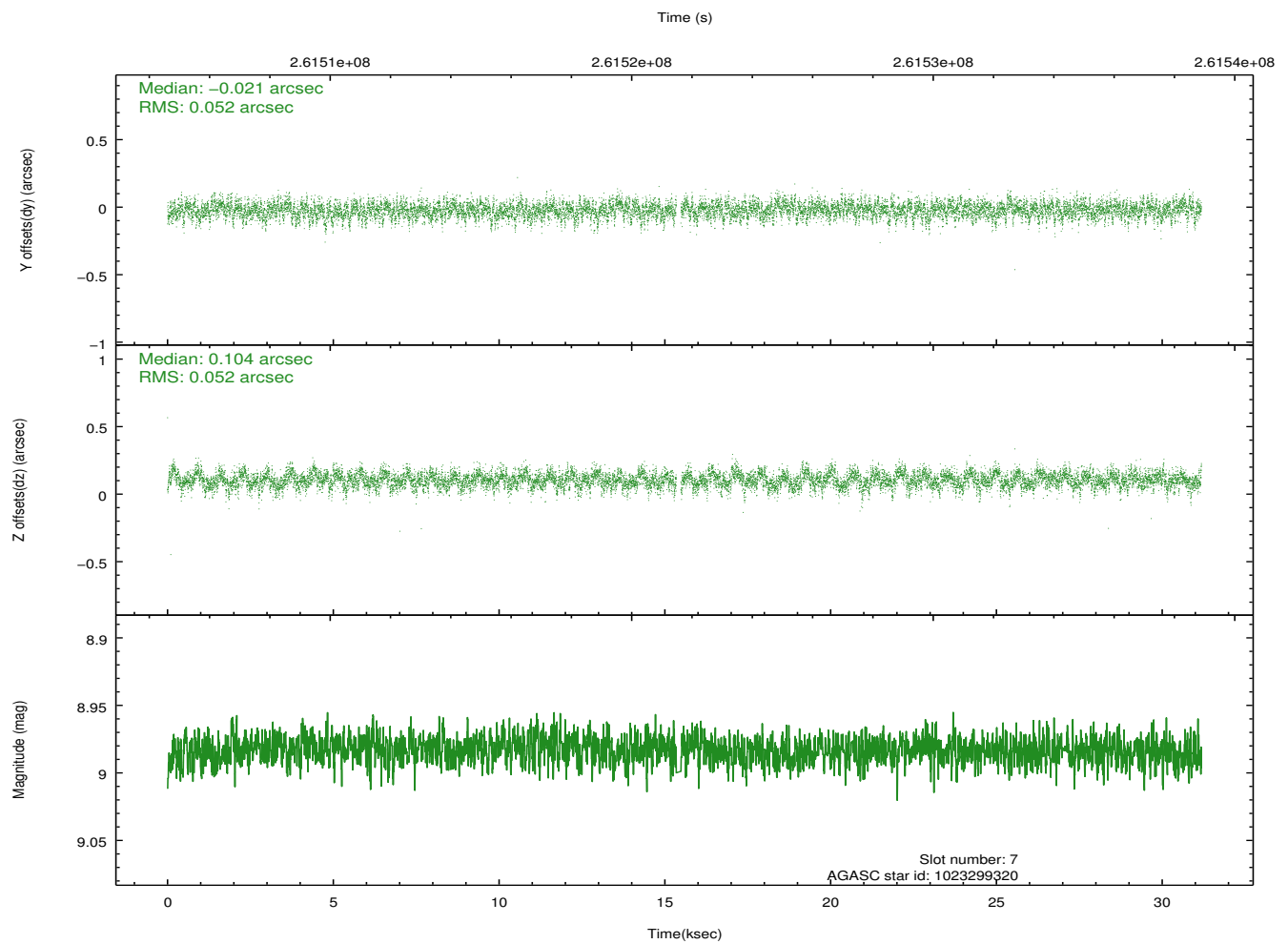
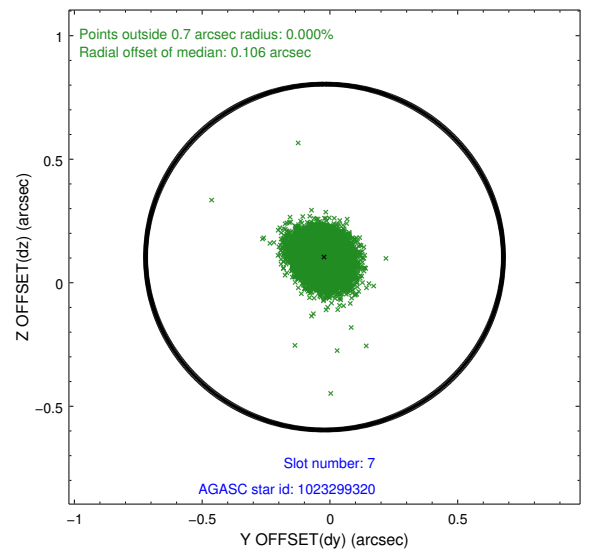
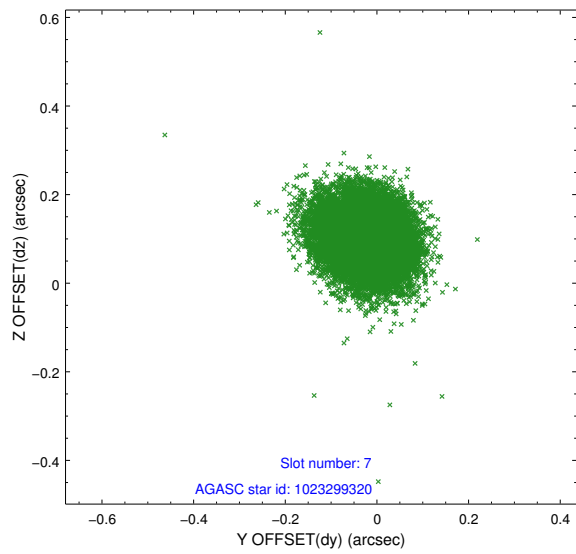
2.4.4 Slot 6



Time (s)

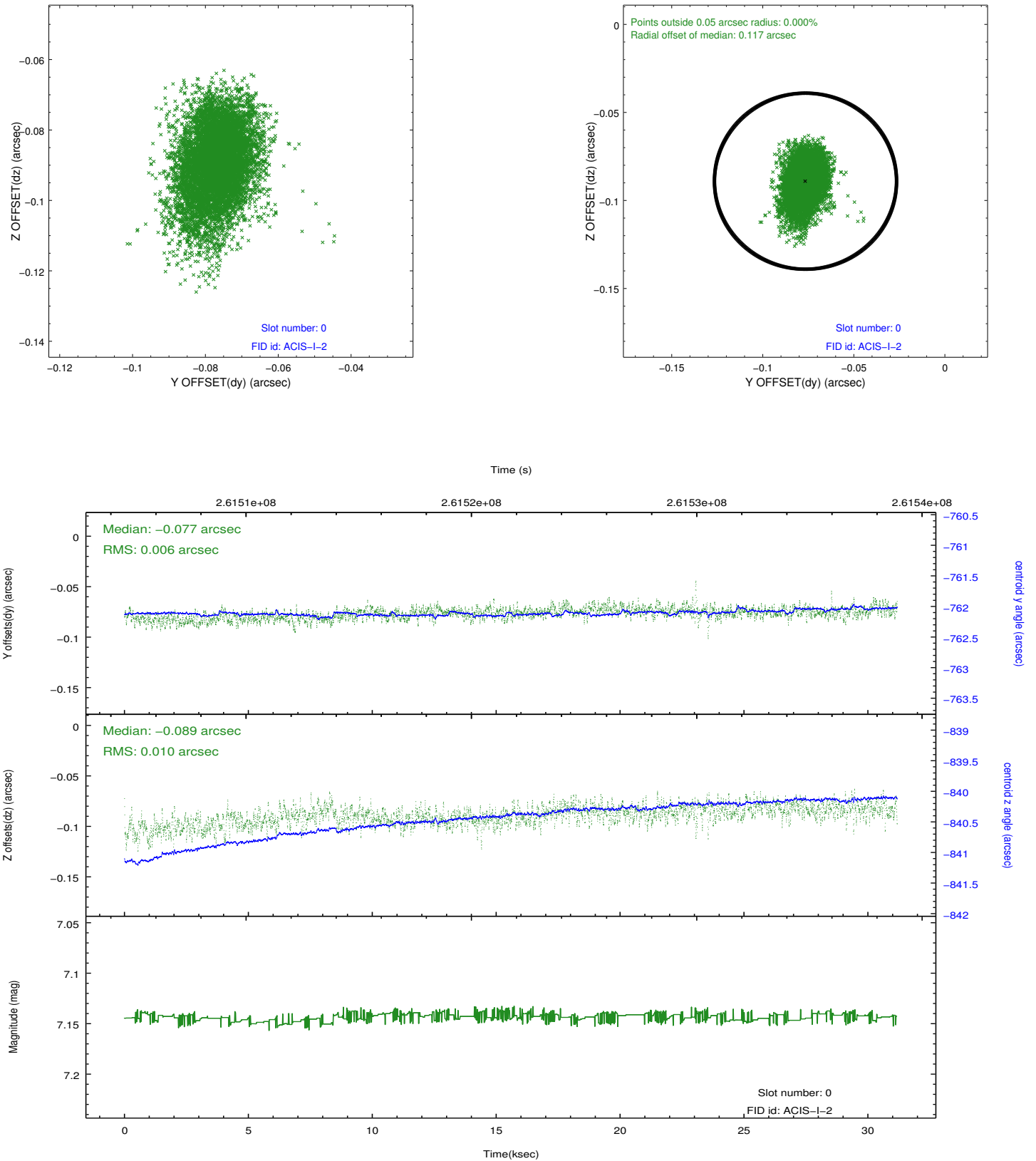


2.4.5 Slot 7

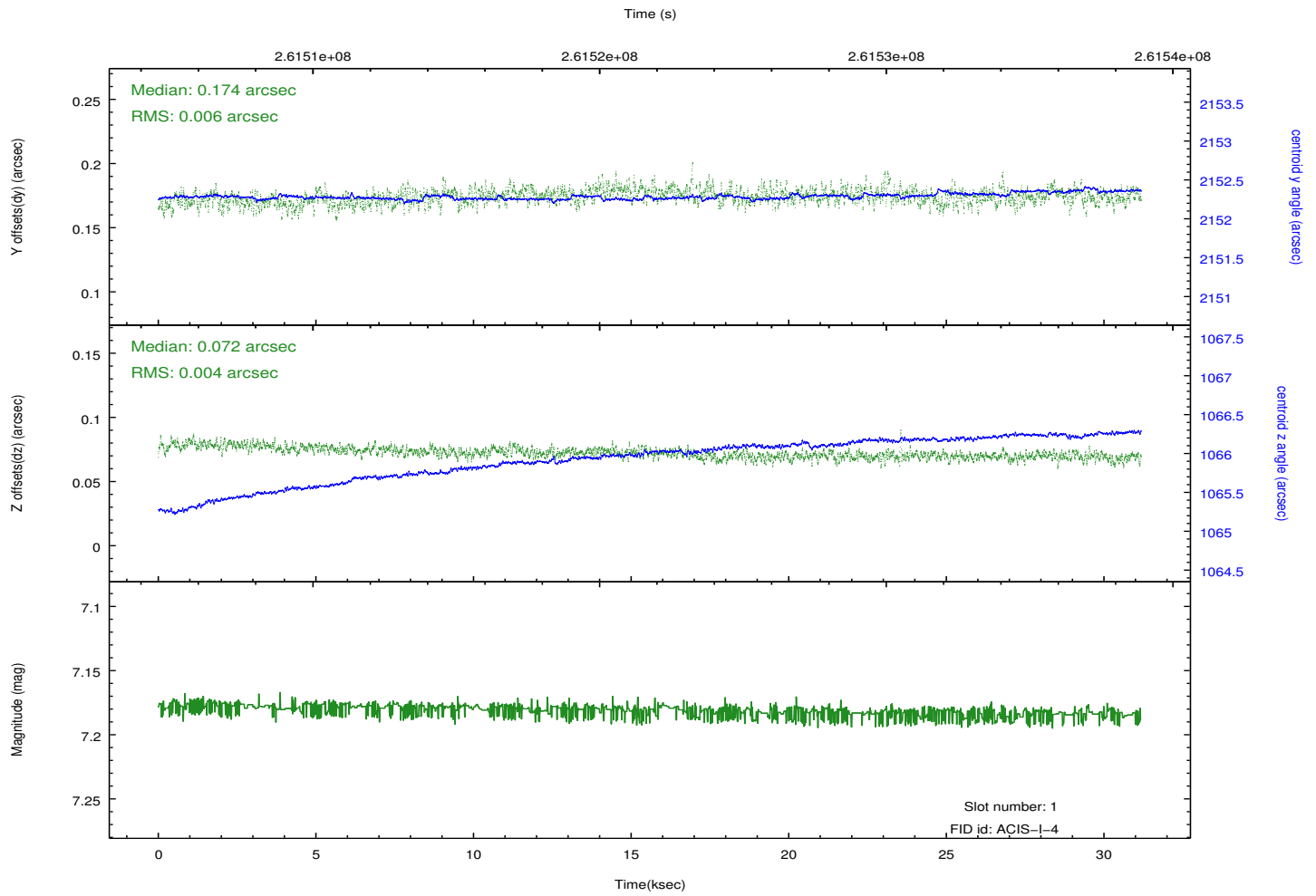
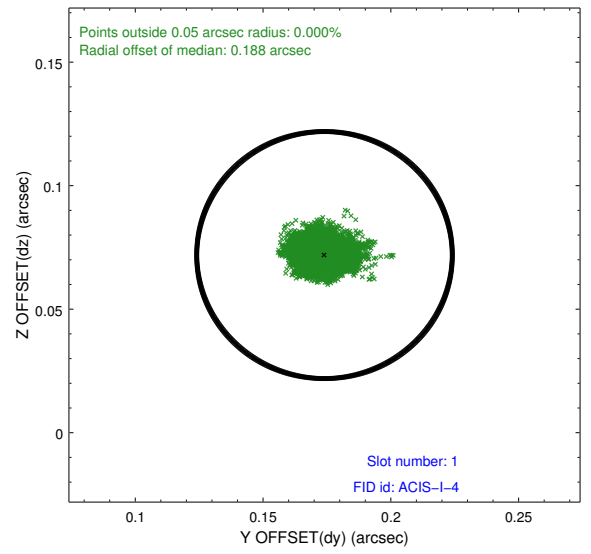
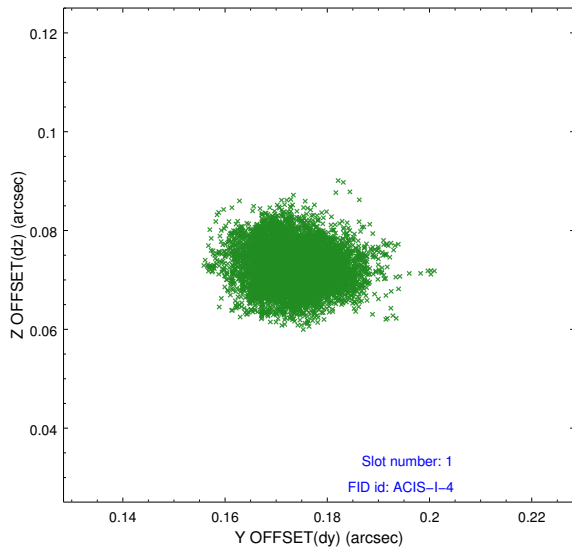


2.5 FID Slots

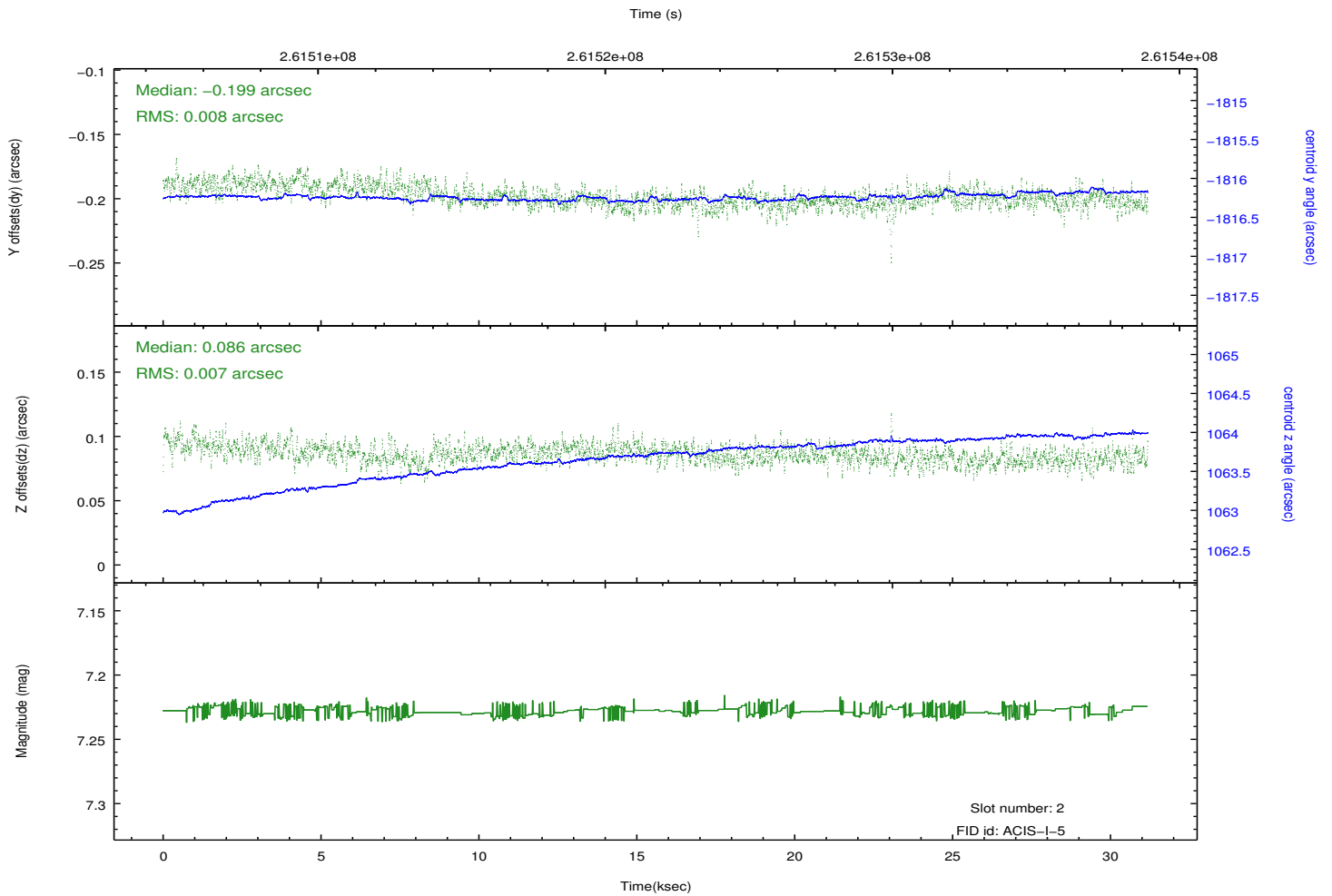
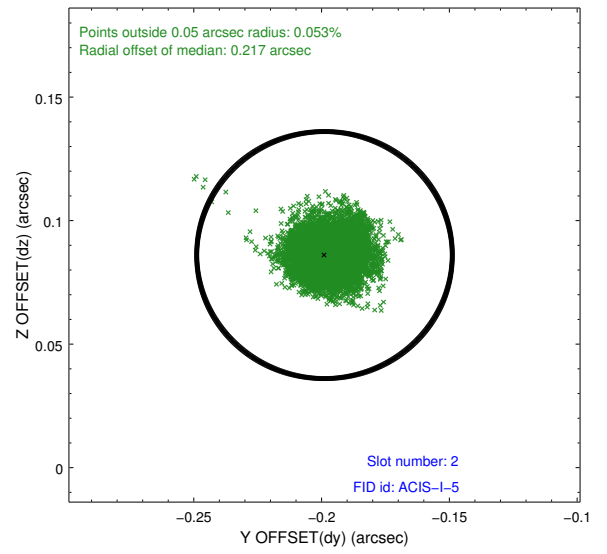
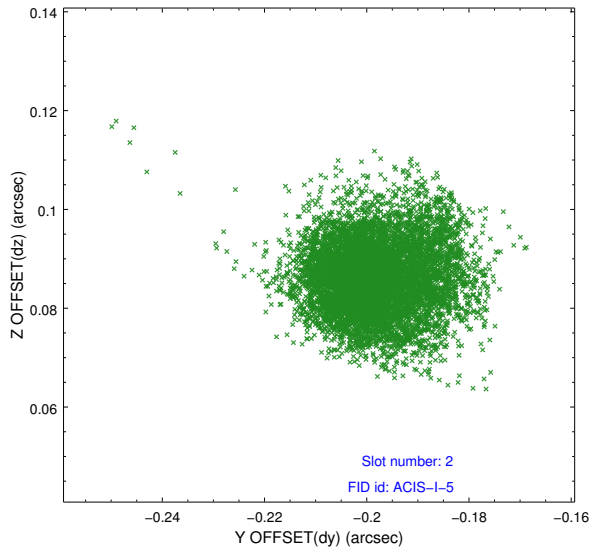
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.1775998

A.2 Comments