

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2897 - L2 Version 3
Chandra X-Ray Center

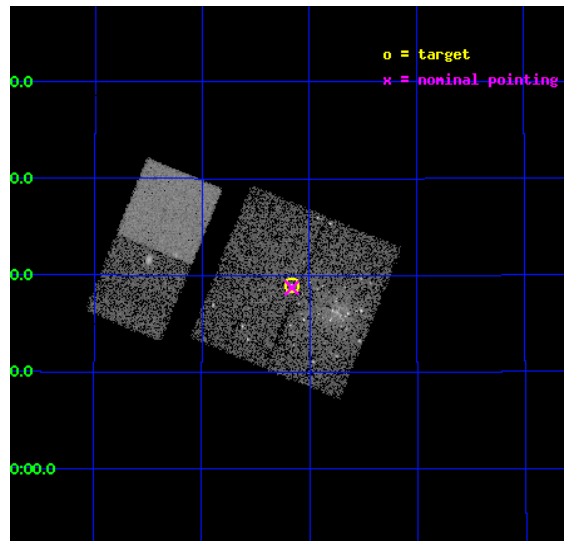
L2 Processing Date : Sep 30 2012

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1 Front

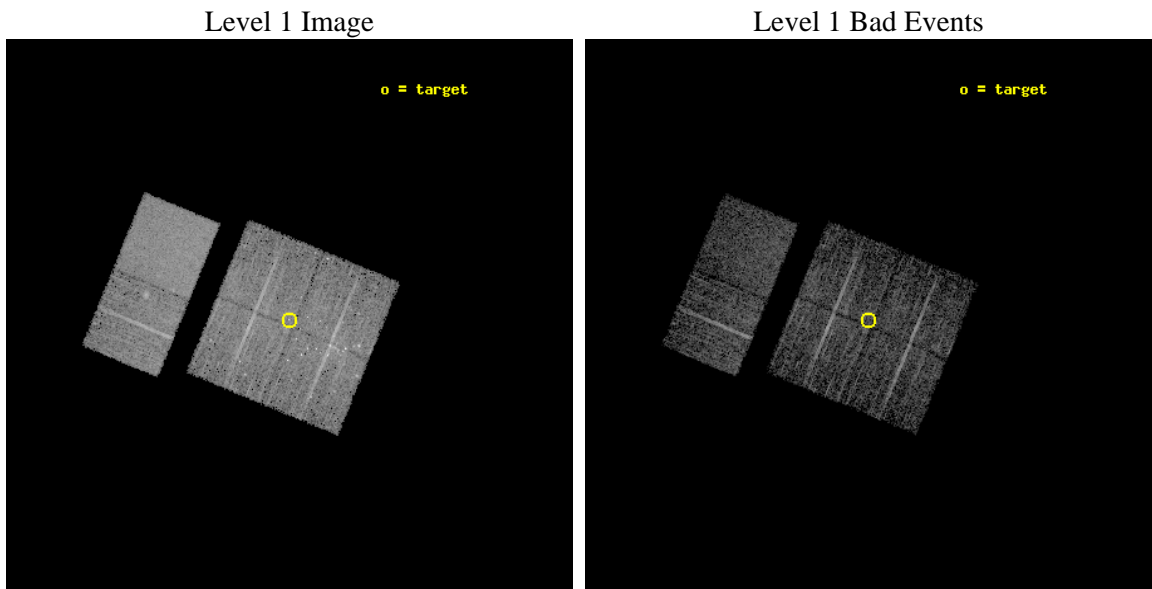
seq_num	600234	Sequence number
obs_id	2897	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.790821	Observer's specified target RA [deg]
dec_targ	41.316867	Observer's specified target Dec [deg]
ra_nom	10.790833085395	Nominal RA [deg]
dec_nom	41.312145492076	Nominal Dec [deg]
roll_nom	292.39569050781	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4963.2000046074	Sum of GTIs [s]
livetime	4900.3529776688	Livetime [s]
ontime0	4959.9590443522	Sum of GTIs [s]
ontime1	4963.2000046074	Sum of GTIs [s]
ontime2	4963.2000046074	Sum of GTIs [s]
ontime3	4963.2000046074	Sum of GTIs [s]
ontime6	4963.2000046074	Sum of GTIs [s]
ontime7	4963.2000046074	Sum of GTIs [s]
l2events	56400	Number of level 2 events



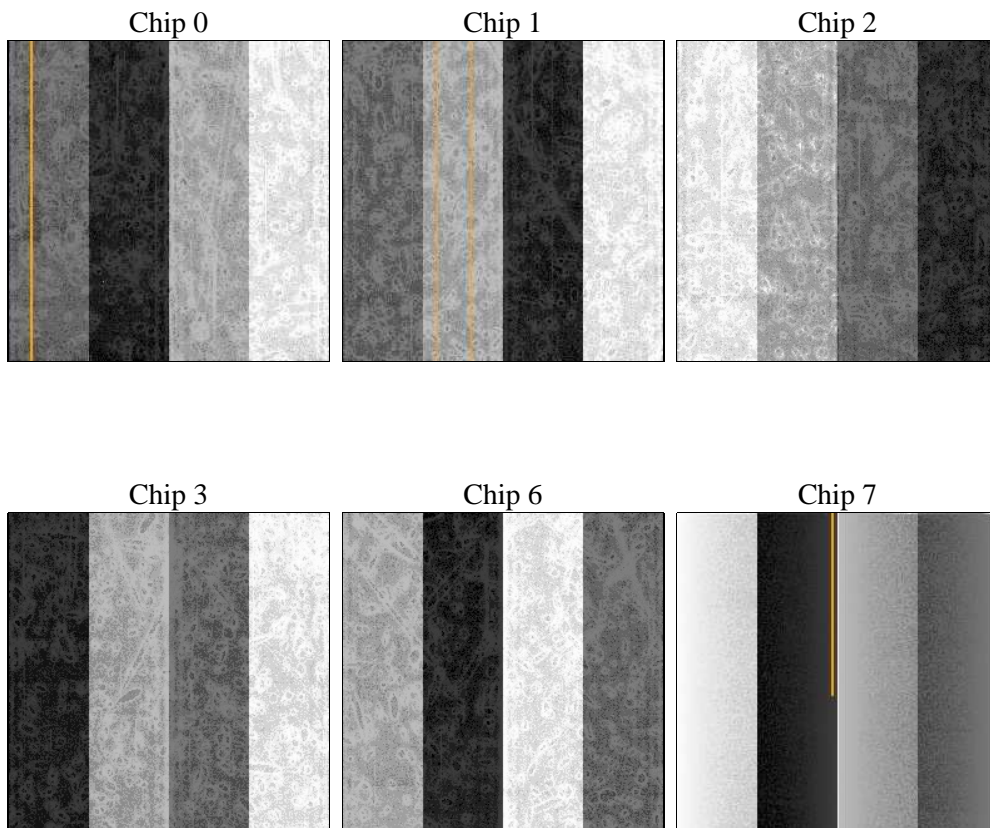
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4963.2000046074	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4959.9590443522	Sum of GTIs [s]
date	2012-09-30T03:44:52	Date and time of file creation	ontime1	4963.2000046074	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4963.2000046074	Sum of GTIs [s]
			ontime3	4963.2000046074	Sum of GTIs [s]
			ontime6	4963.2000046074	Sum of GTIs [s]
			ontime7	4963.2000046074	Sum of GTIs [s]
			l1events	216607	Number of level 1 events

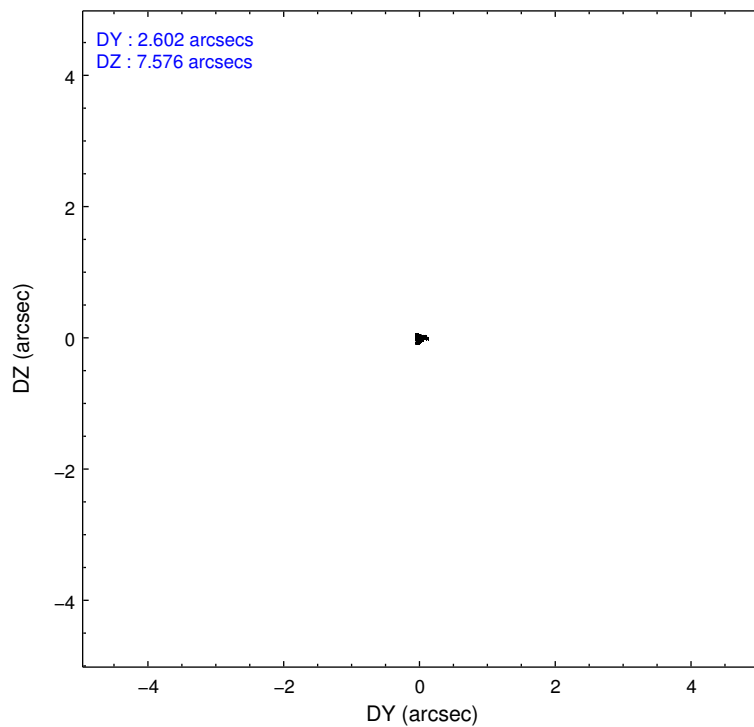
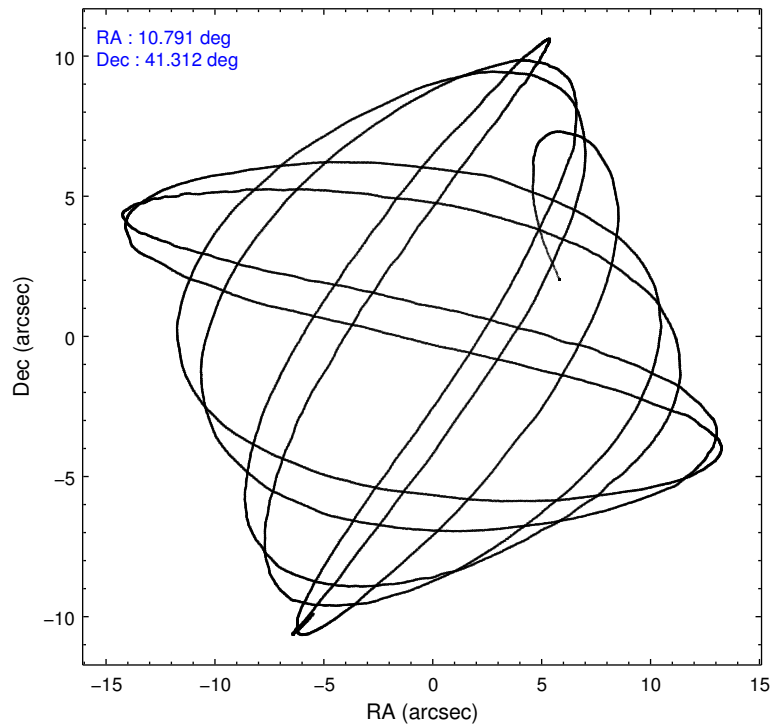
2.1.4 Events

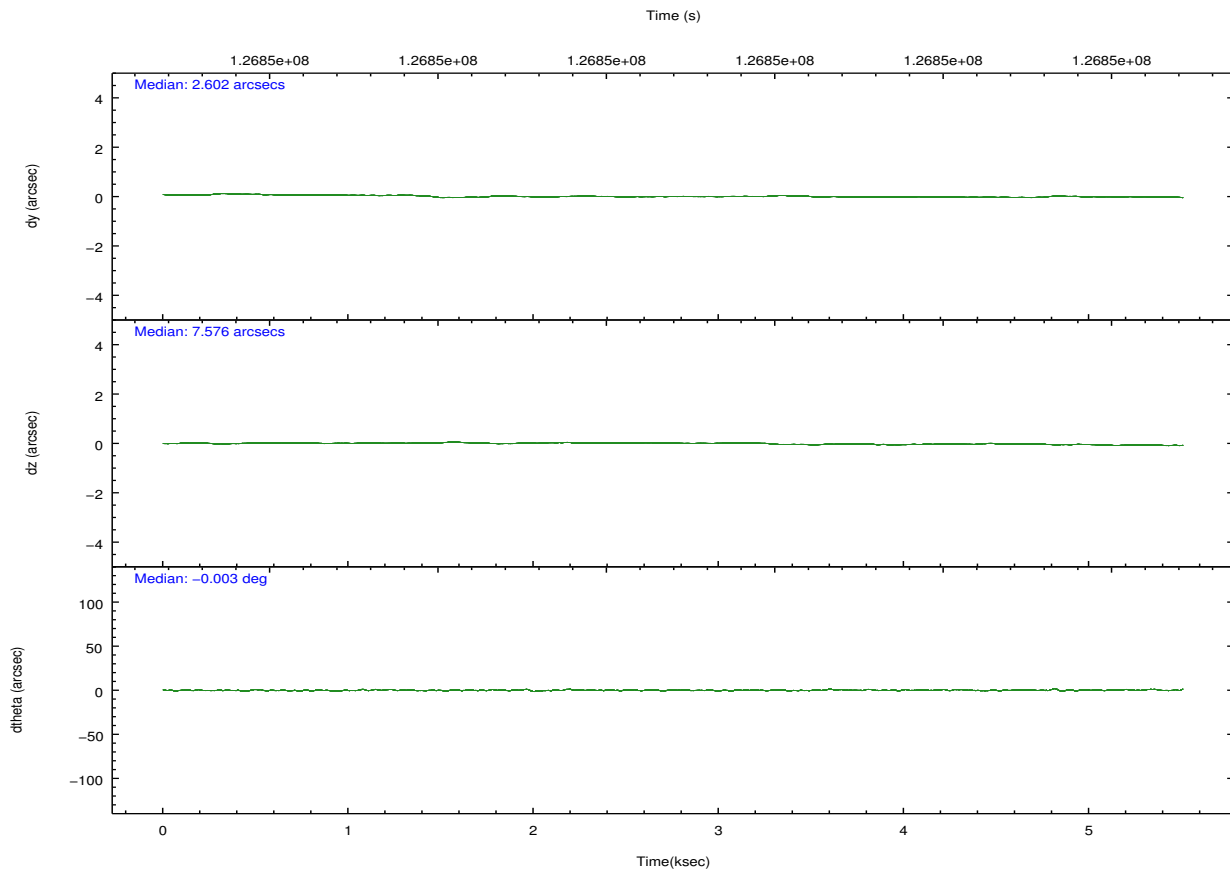
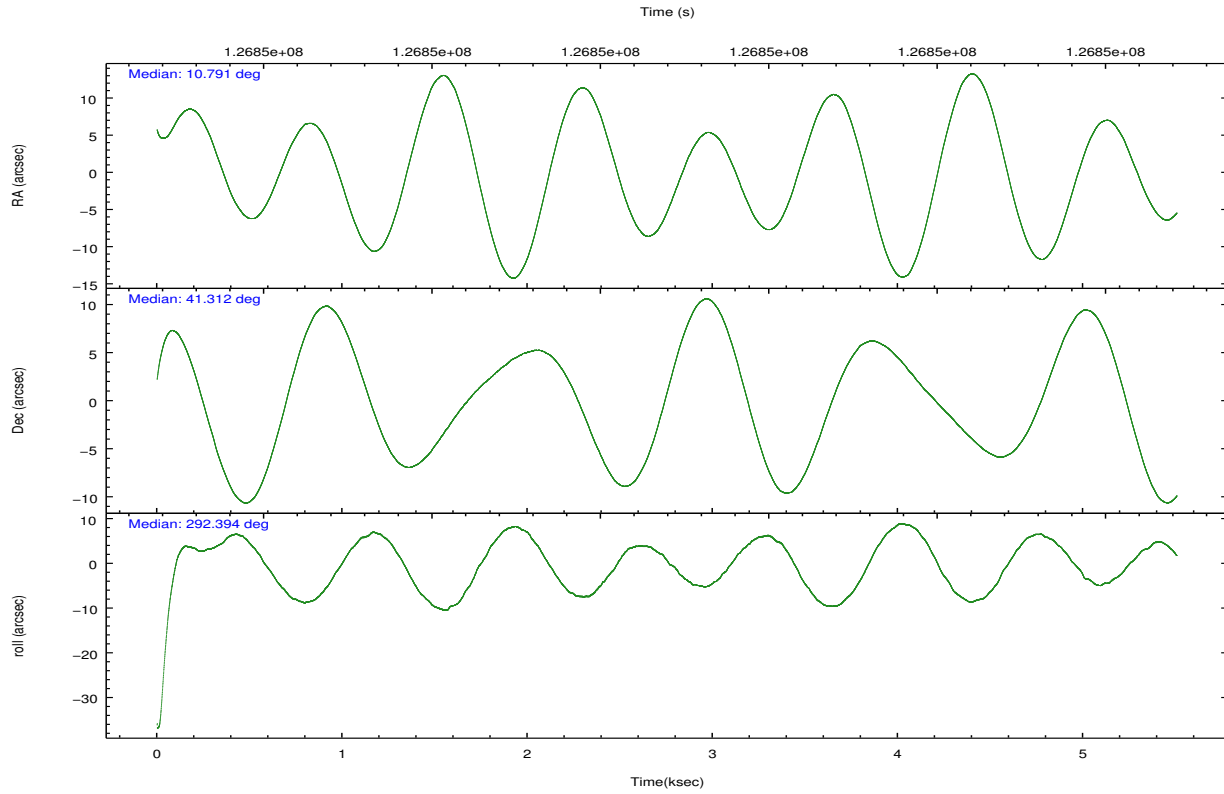
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	35565	33686	34807	31763	34988	45798	grade 0 events	7775	6050	3709	3410	3544	2243
rejected events	24231	24244	28524	25909	28725	24182		21%	17%	10%	10%	10%	4%
rejected %	68%	71%	81%	81%	82%	52%	grade 1 events	69	51	19	24	18	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1543	1376	1058	943	999	4219
								4%	4%	3%	2%	2%	9%
							grade 3 events	565	571	390	409	459	1793
								1%	1%	1%	1%	1%	3%
							grade 4 events	598	558	392	369	421	1862
								1%	1%	1%	1%	1%	4%
							grade 5 events	1220	1256	1074	1192	1348	3857
								3%	3%	3%	3%	3%	8%
							grade 6 events	866	901	742	729	852	11527
								2%	2%	2%	2%	2%	25%
							grade 7 events	22929	22923	27423	24687	27347	20255
								64%	68%	78%	77%	78%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	10.761776	10.79083308539545	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.328843	41.31214549207626	Alternating exposures requested	N	N
[deg] Pointing Roll	292.206281	292.3956905078142	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	126748864.184000	126748864.184000			
[s] Window stop time (MET)	127353664.184000	127353664.184000			
[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)	126847151.184000	126846028.49908			
Observation start date	2002-01-08T03:18:07	2002-01-08T03:00:28			
[s] Observation end time (MET)	126852151.184000	126852500.34934			
Observation end date	2002-01-08T04:41:27	2002-01-08T04:48:20			
Read mode	TIMED	TIMED			

2.3 Aspect



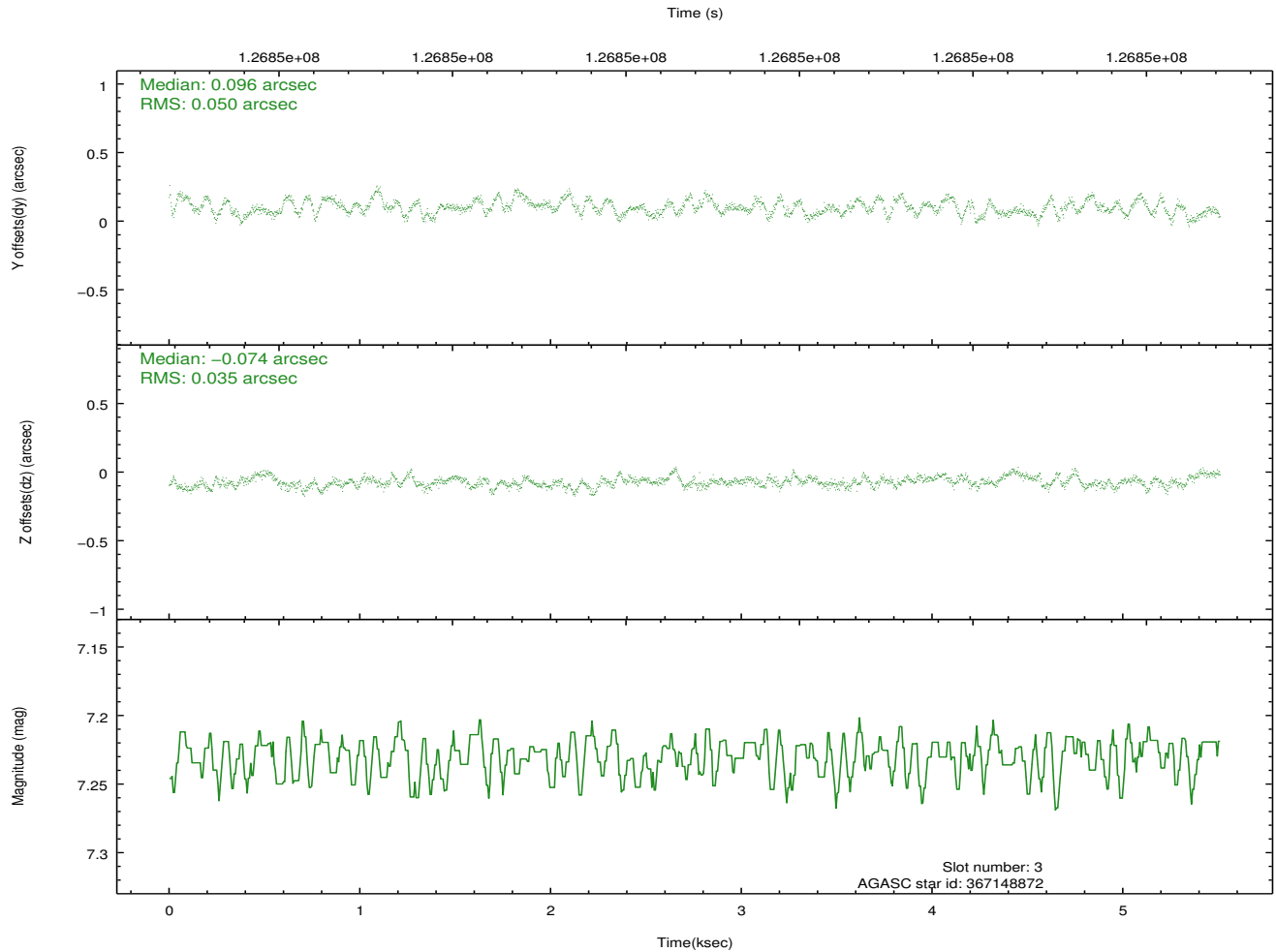
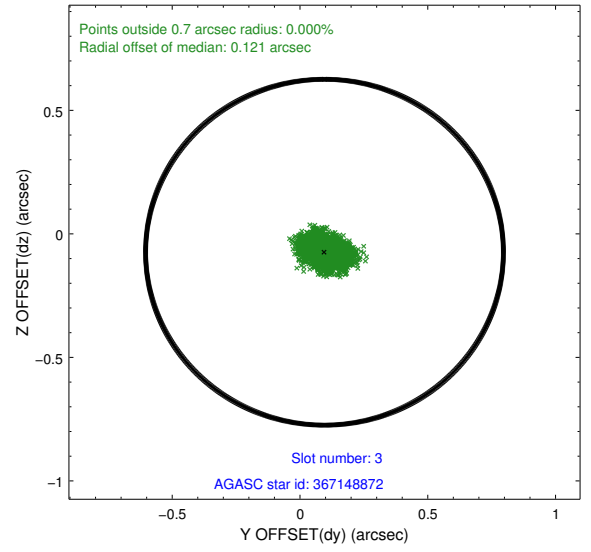
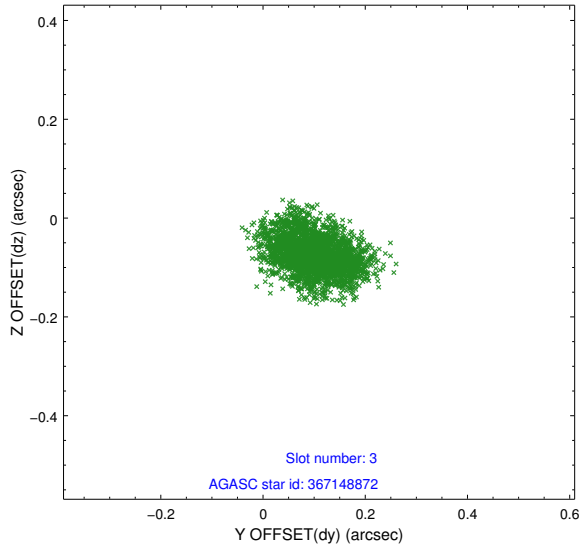


Slot Statistics

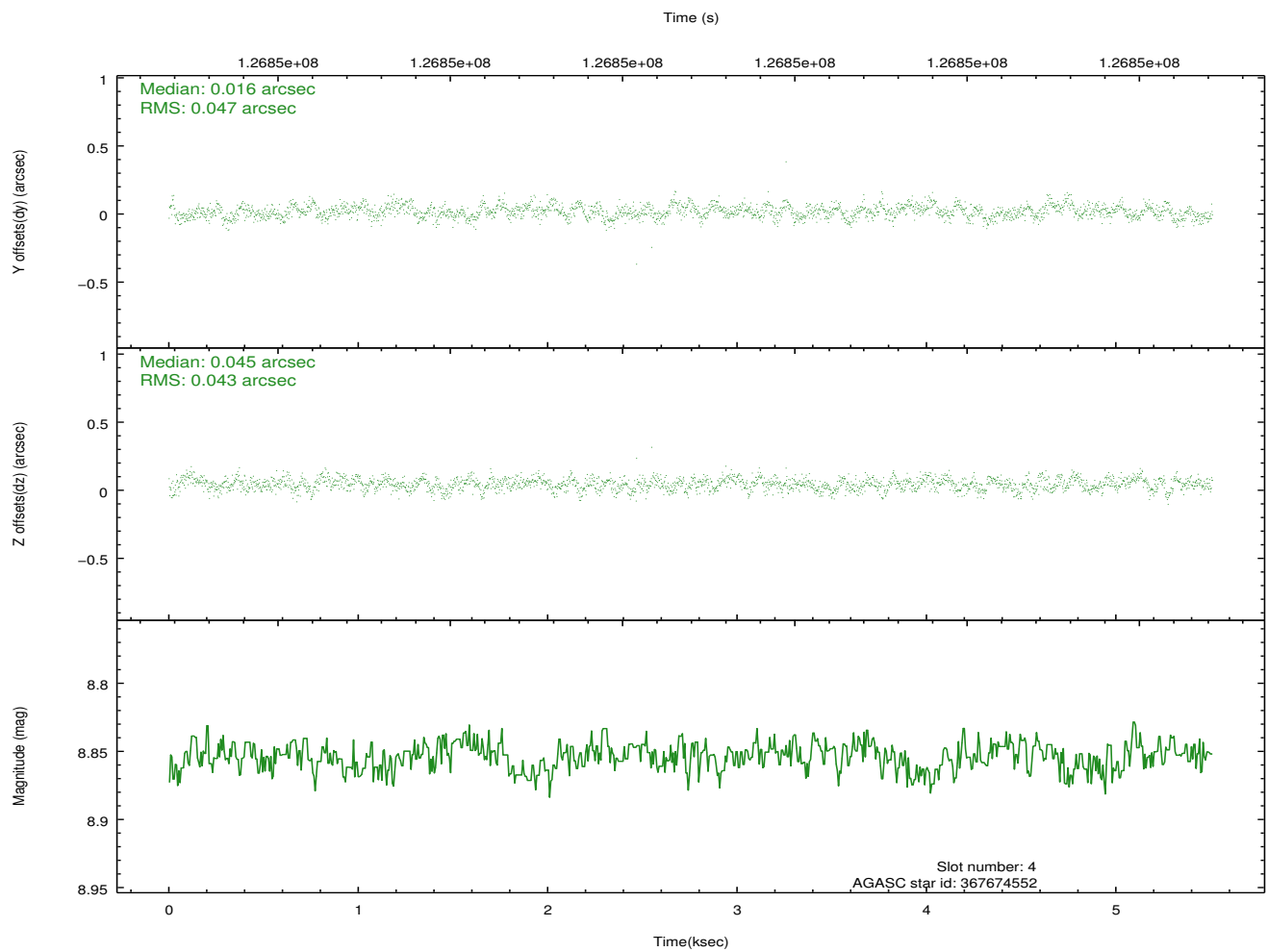
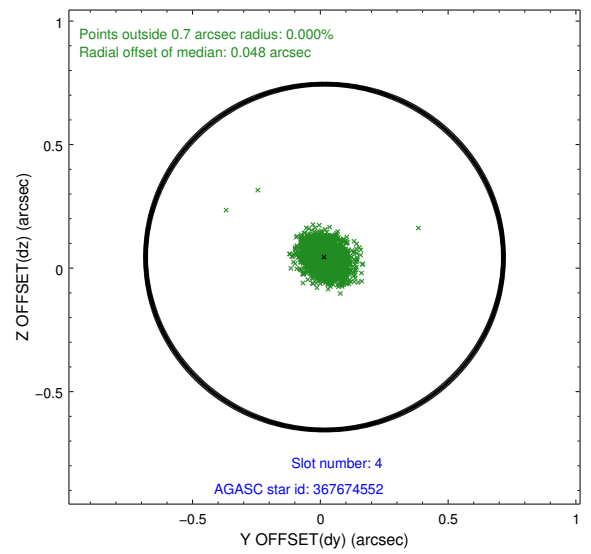
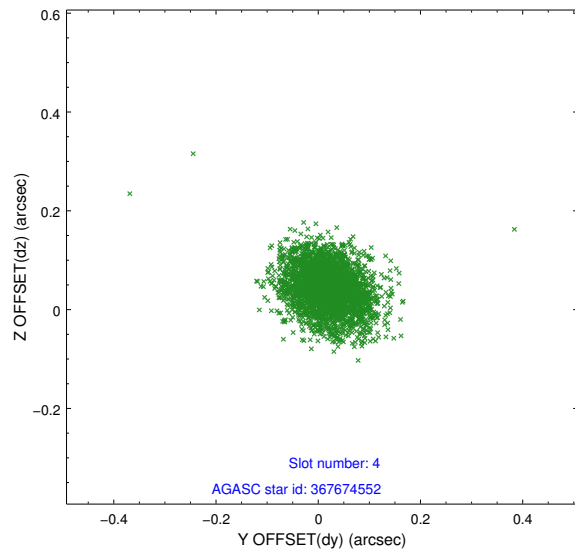
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.44	1343	-0.023	0.187	0.007	0.013	0.000000	0.000000	54.59	-964.01
1	FID	ACIS-I-5	7.23	1343	-0.040	0.005	0.007	0.011	0.000000	0.000000	-1811.02	1065.86
2	FID	ACIS-I-6	7.26	1344	-0.029	-0.123	0.006	0.011	0.000000	0.000000	401.51	1711.59
3	GUIDE	367148872	7.23	2688	0.096	-0.074	0.066	0.104	10.505940	40.688258	1869.24	-1519.03
4	GUIDE	367674552	8.85	2686	0.016	0.045	0.067	0.108	11.016238	41.570845	-549.02	962.49
5	GUIDE	367146616	8.84	2688	0.093	0.068	0.081	0.132	11.418645	41.190163	1127.17	1460.72
6	GUIDE	367671800	9.40	2684	-0.134	-0.057	0.072	0.120	10.554735	41.964935	-2331.11	351.87
7	GUIDE	367665472	9.48	2685	-0.074	0.022	0.087	0.139	10.241611	41.730843	-1874.06	-746.35

2.4 Star Slots

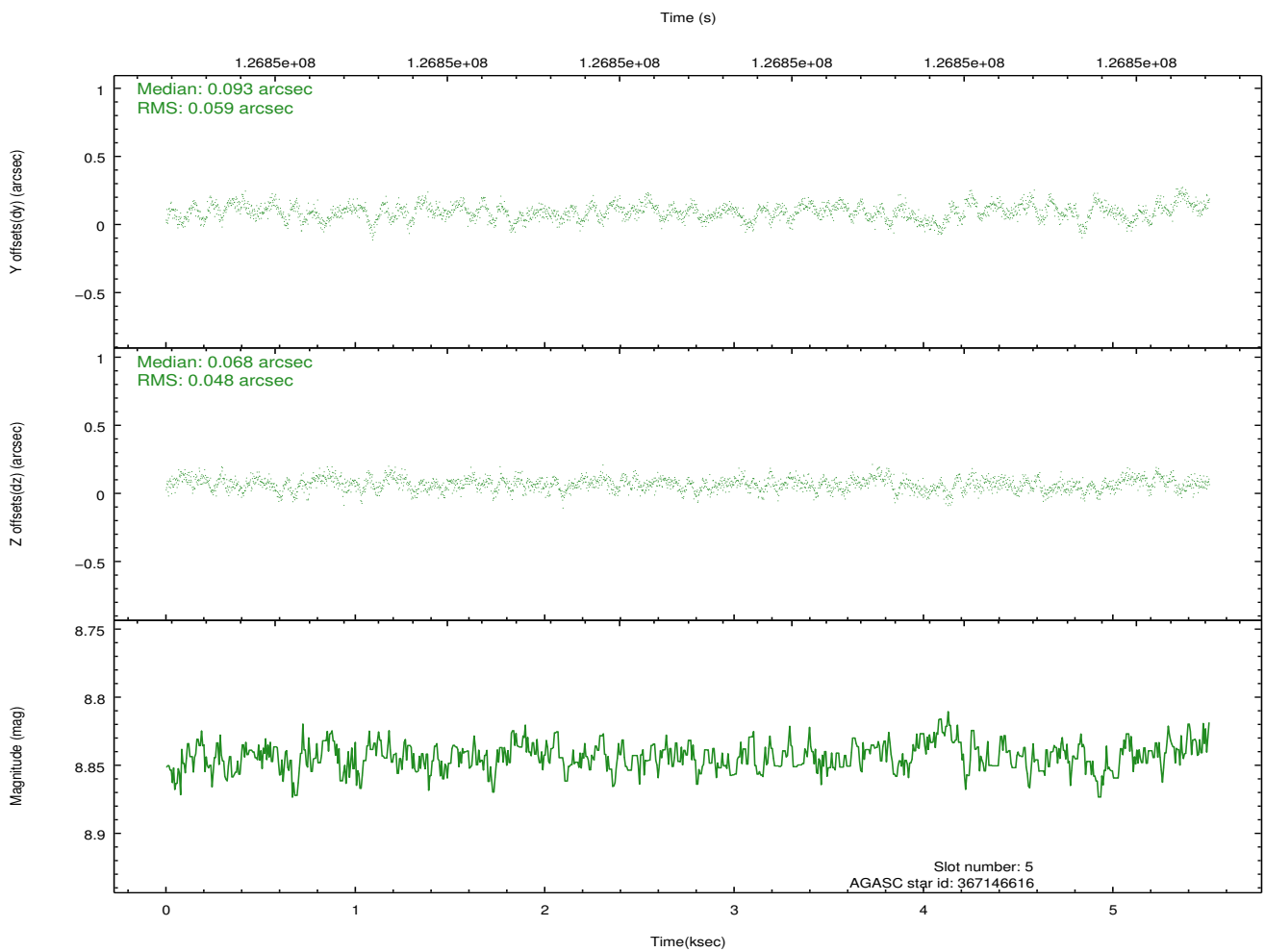
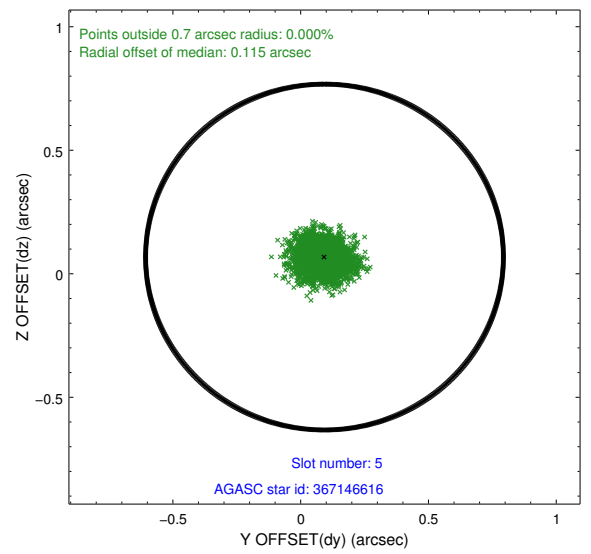
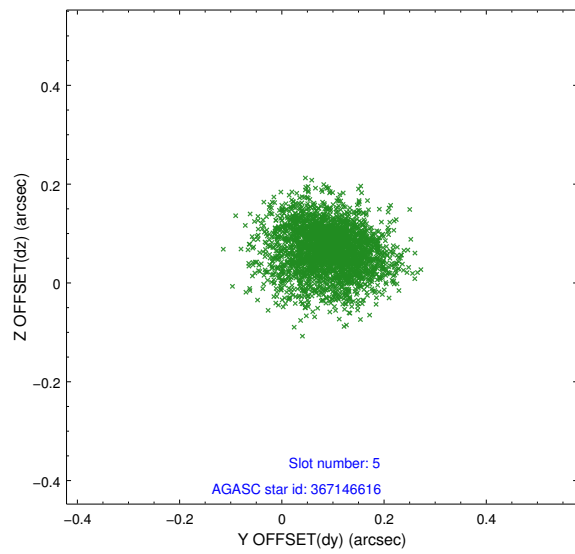
2.4.1 Slot 3



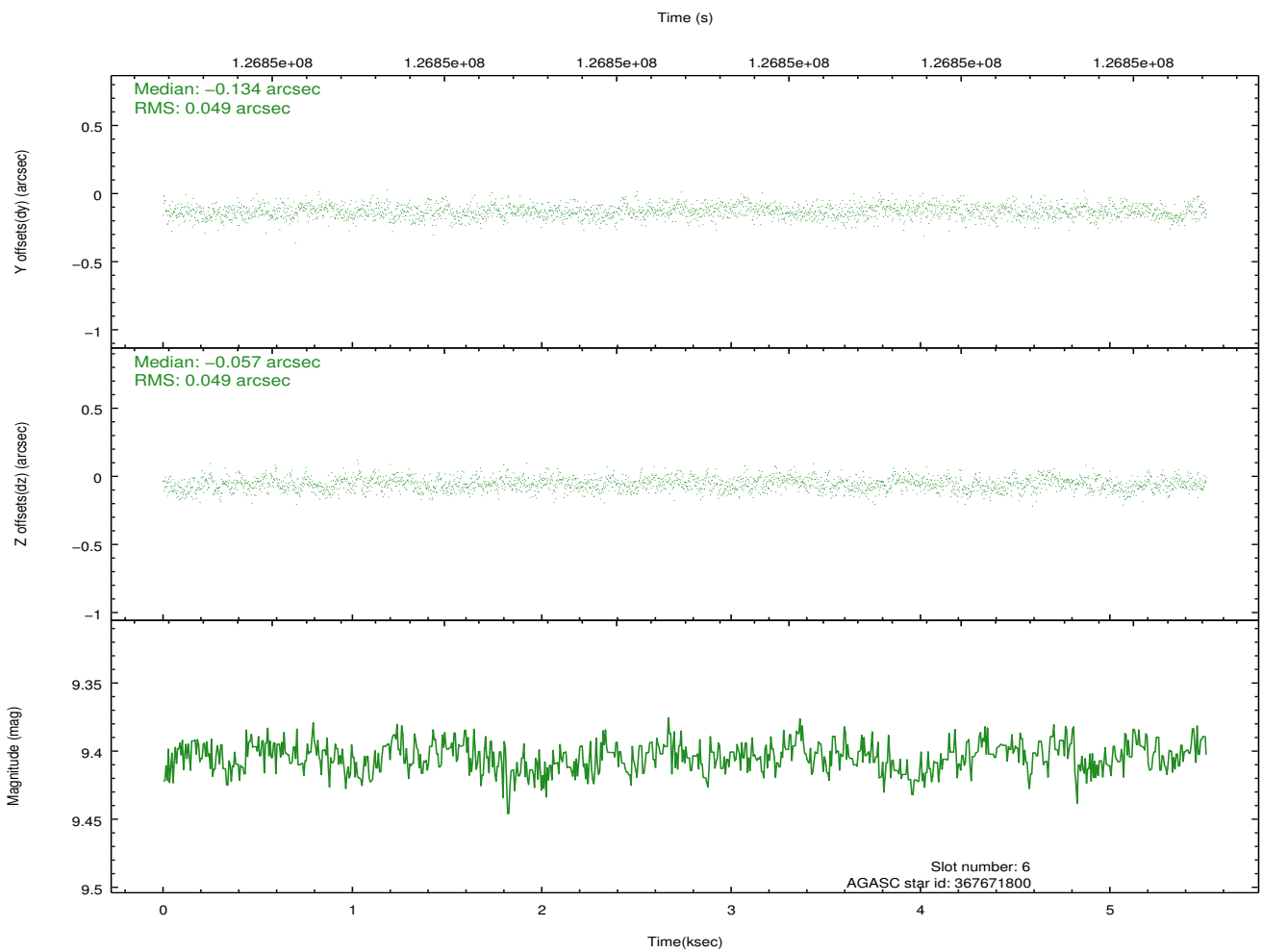
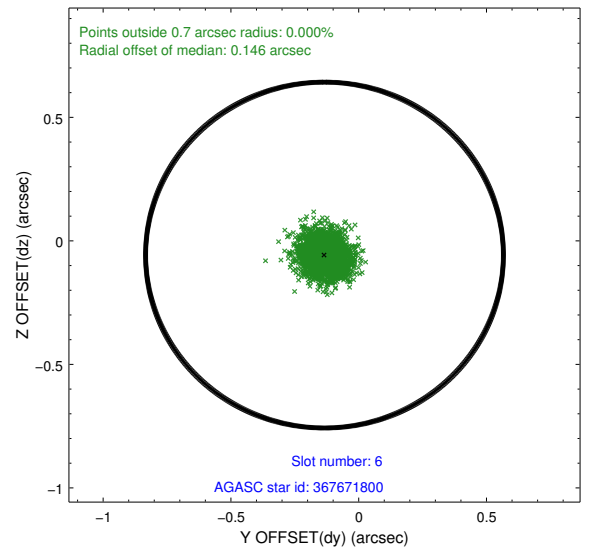
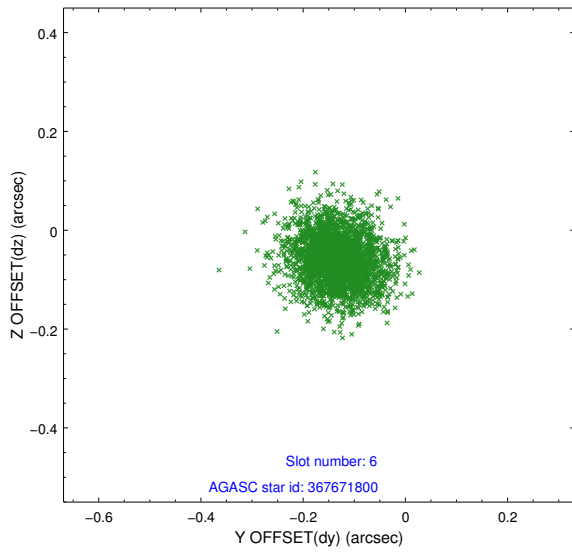
2.4.2 Slot 4



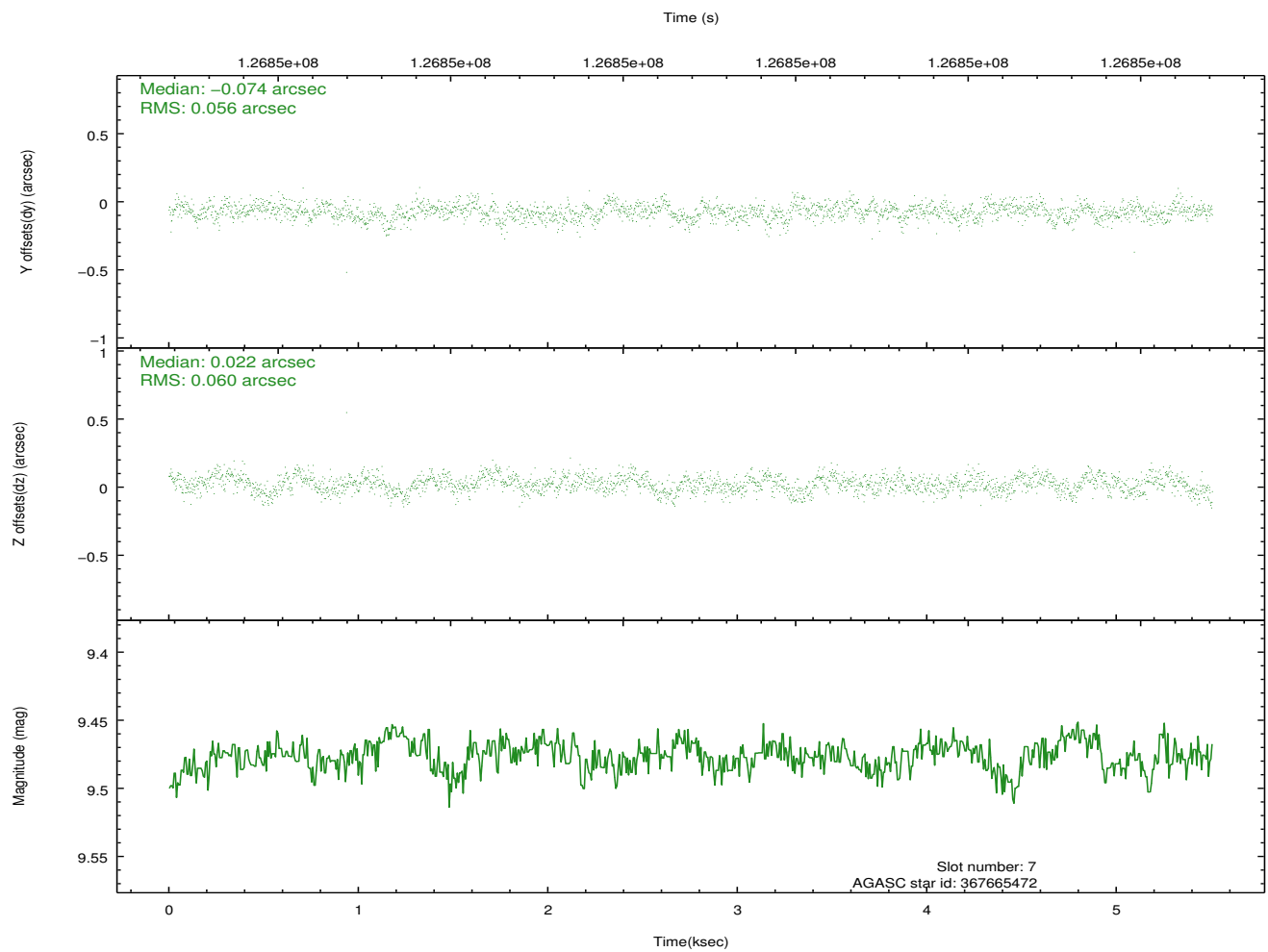
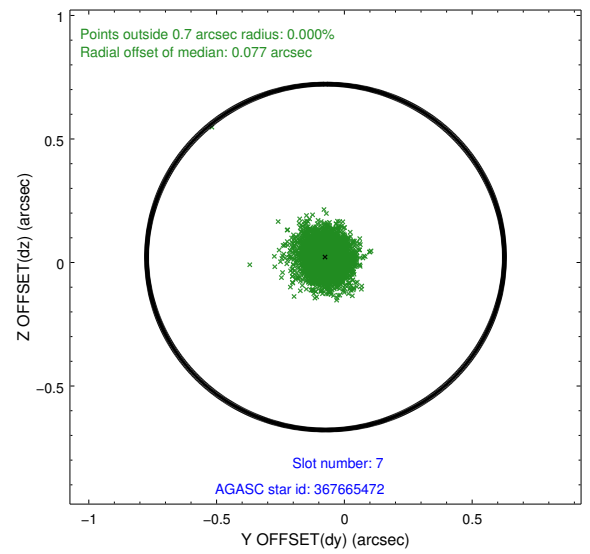
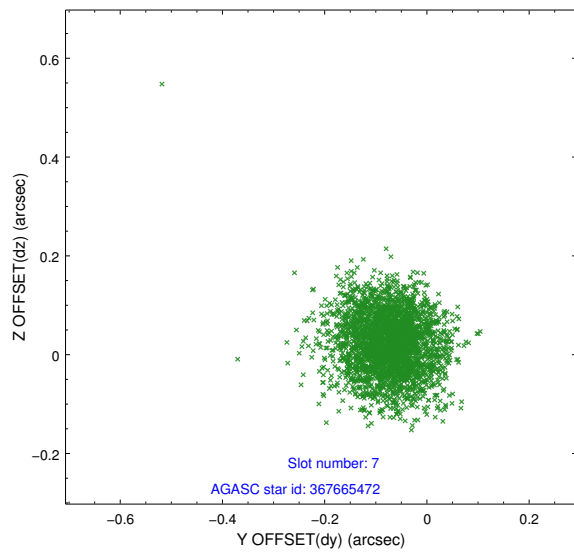
2.4.3 Slot 5



2.4.4 Slot 6

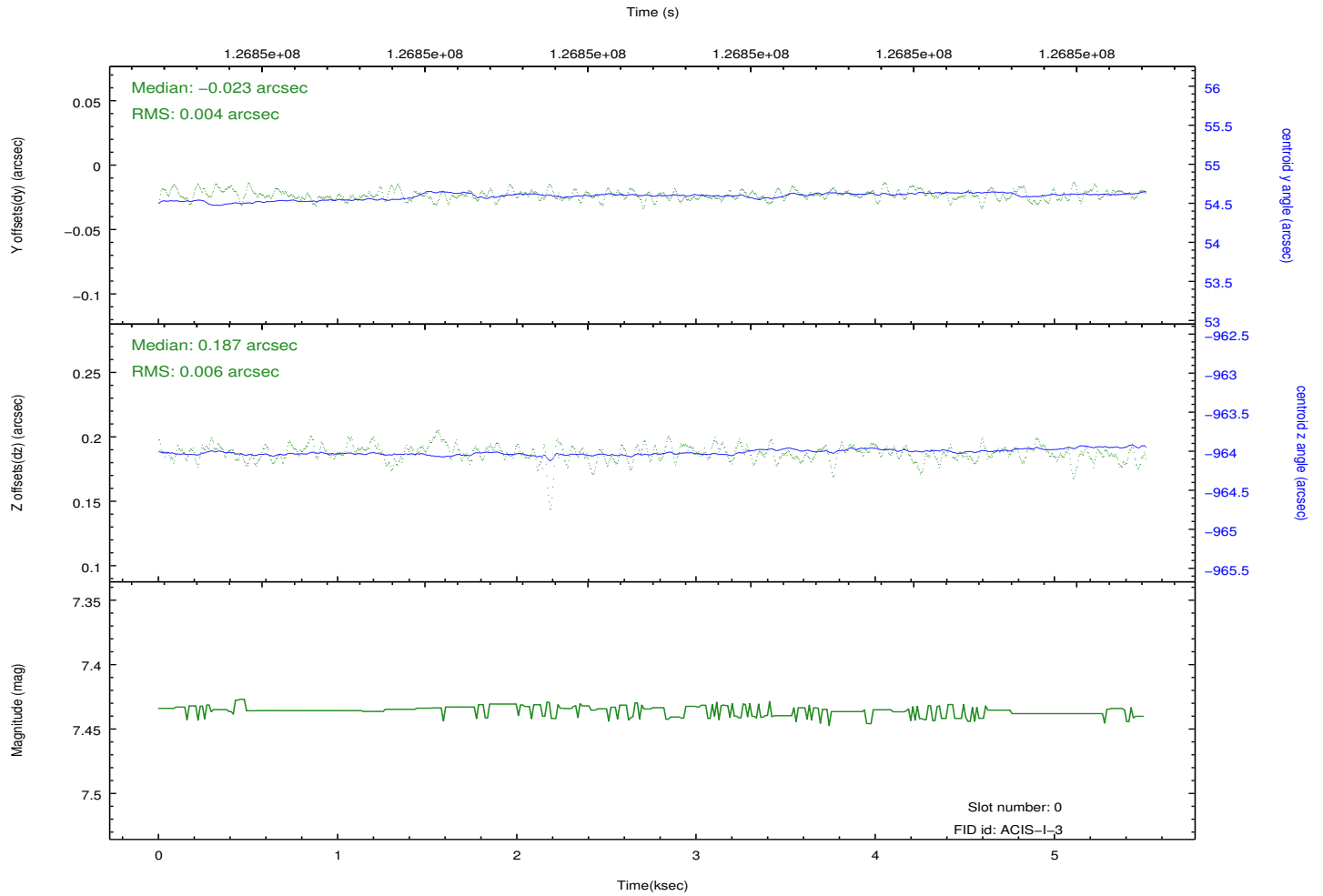
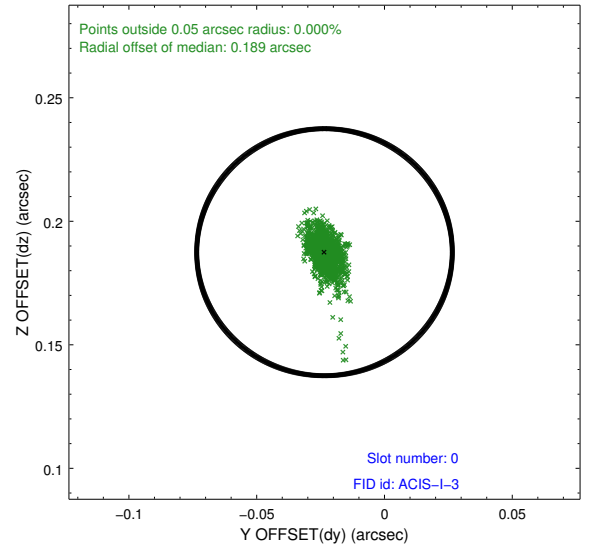
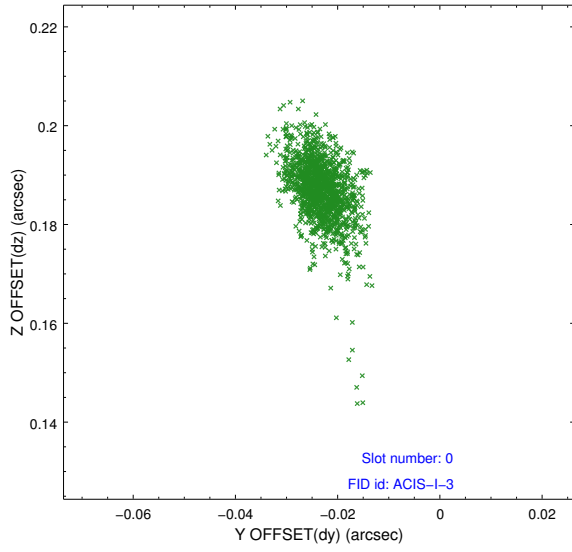


2.4.5 Slot 7

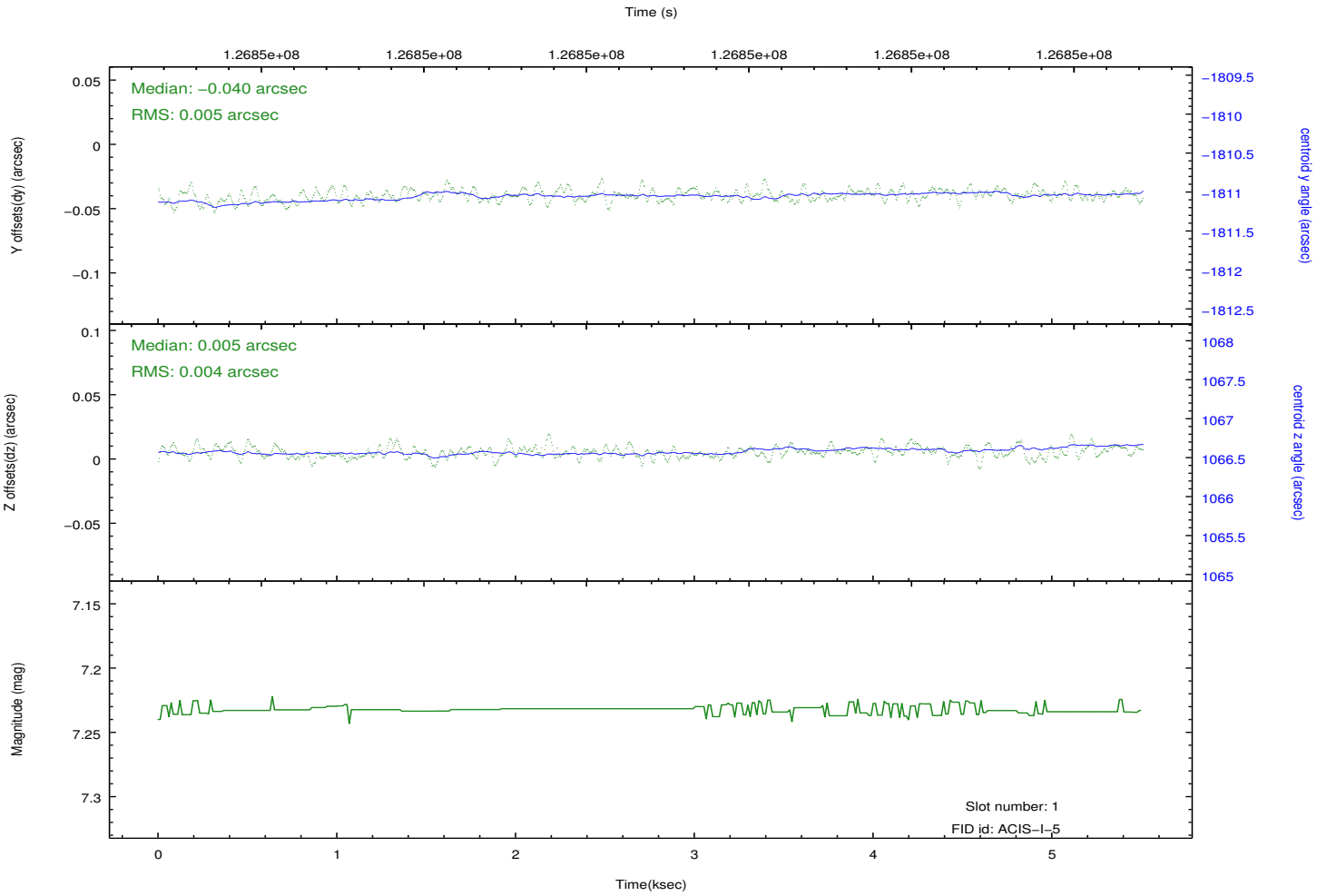
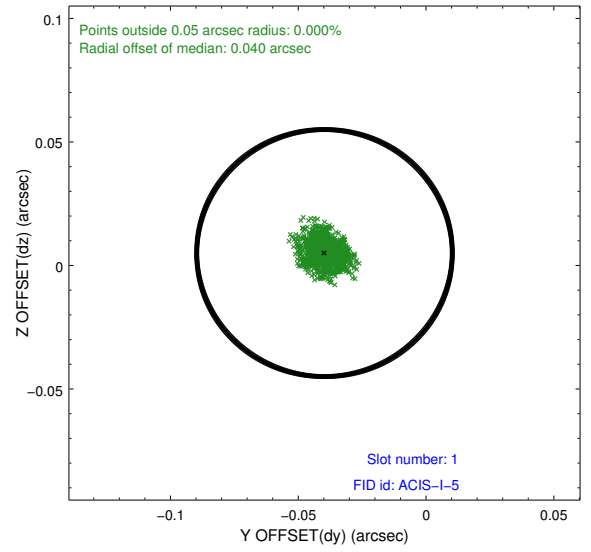
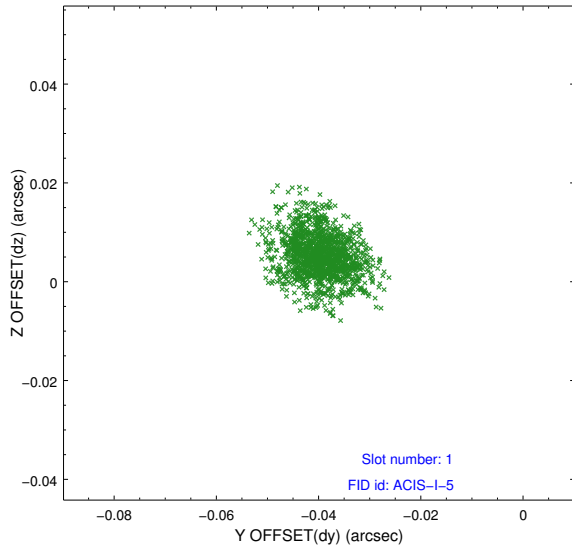


2.5 FID Slots

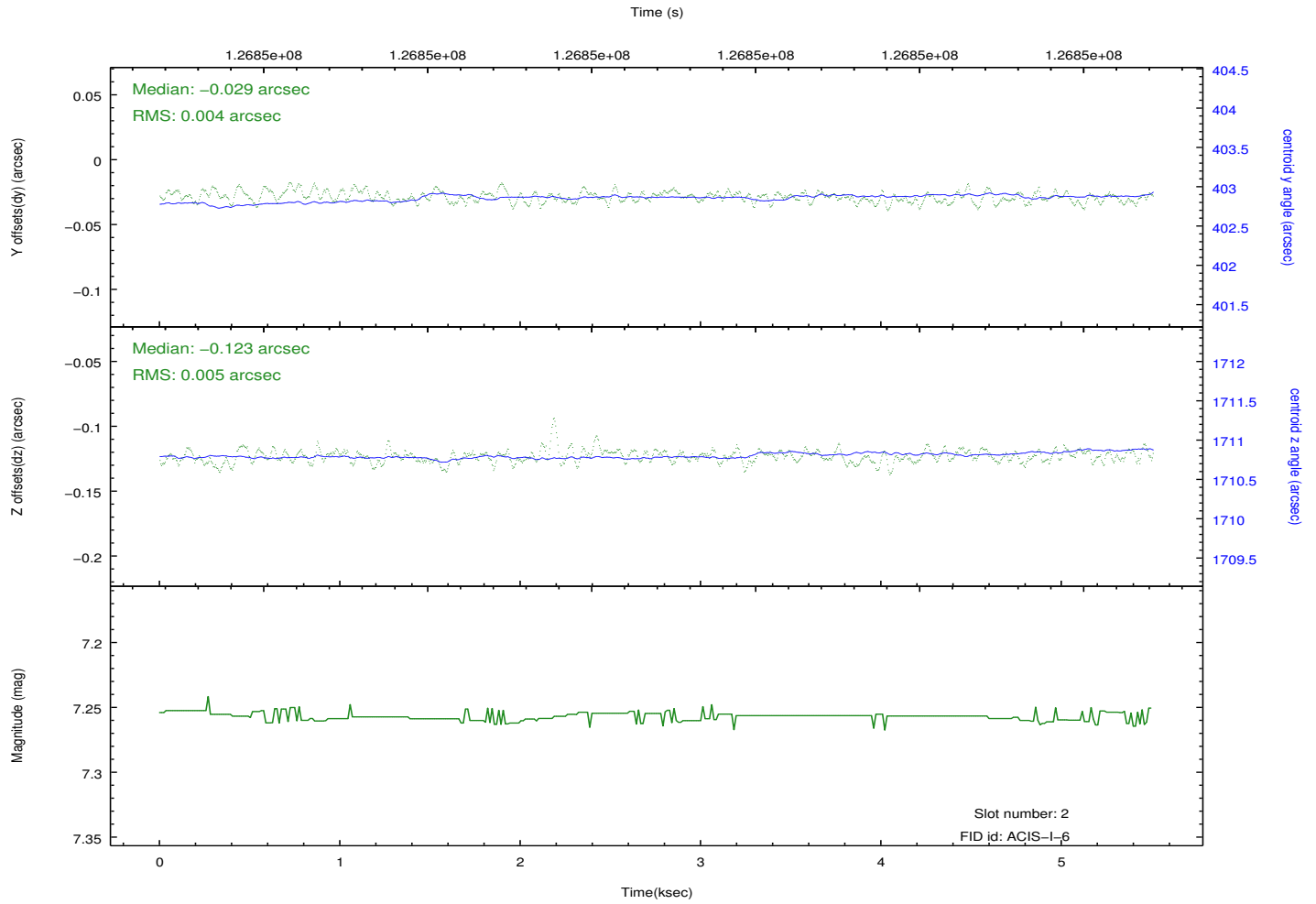
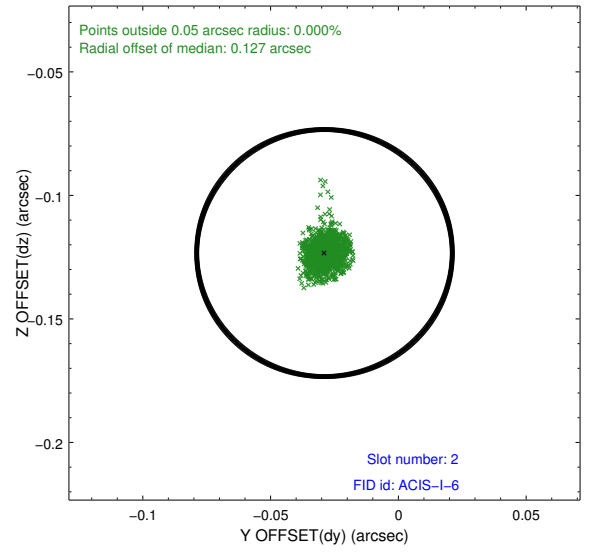
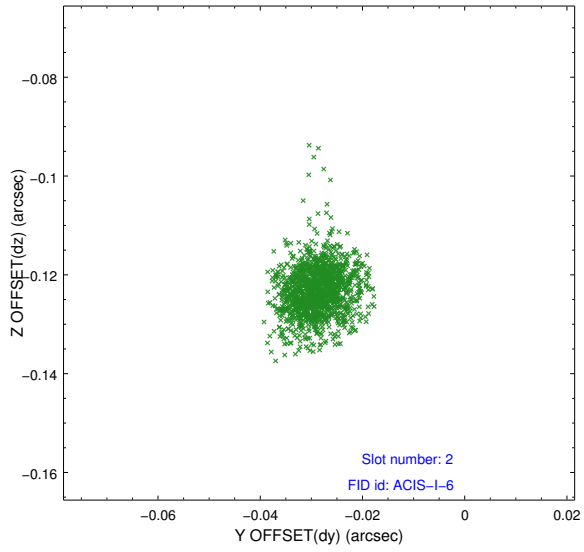
2.5.1 Slot 0



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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.966

A.2 Comments

Window constraint met.