

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6731 - L2 Version 2
Chandra X-Ray Center

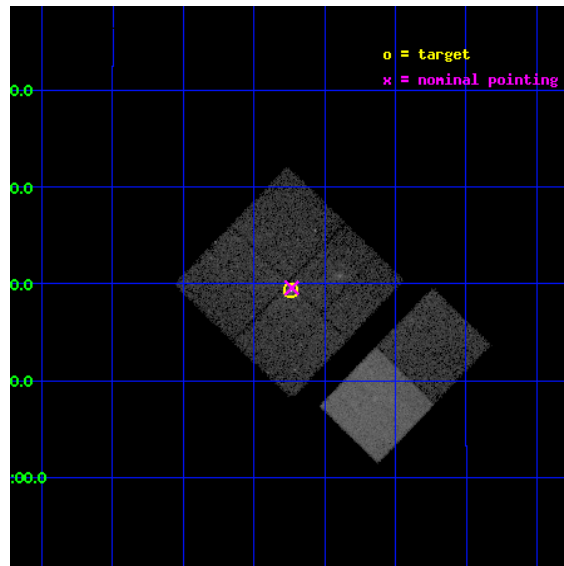
L2 Processing Date : Apr 2 2012

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1 Front

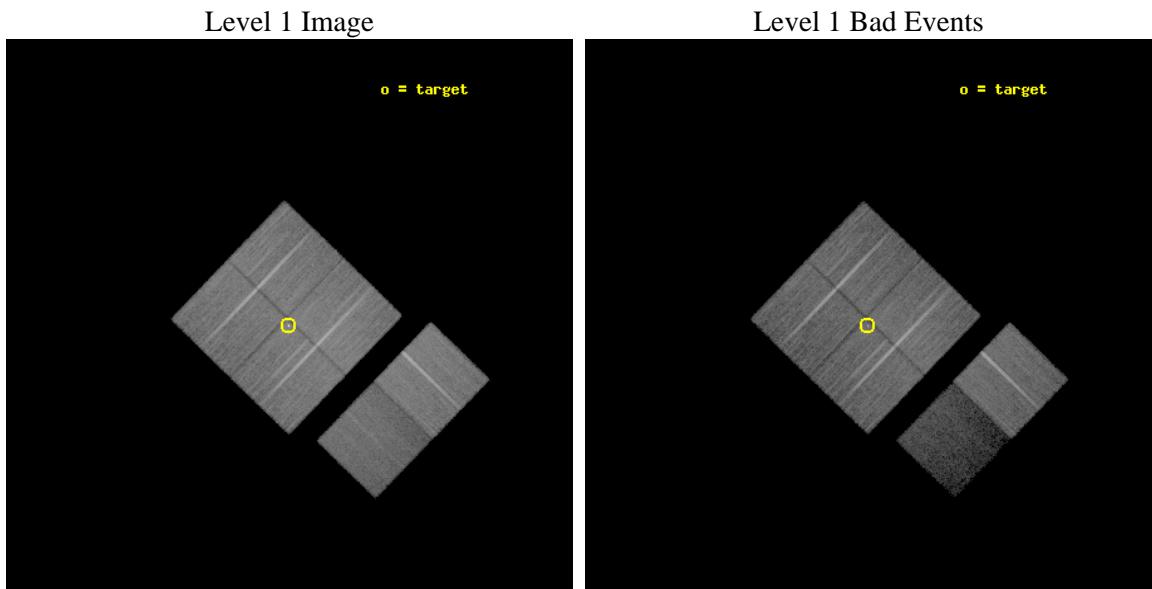
seq_num	500678	Sequence number
obs_id	6731	Observation id
title	Measuring Magnetar Velocities with Chandra	Proposal title
observer	Dr. Shami Chatterjee	Principal investigator
object	SGR 1900+14	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.80789542874	Nominal RA [deg]
dec_nom	9.3265889559074	Nominal Dec [deg]
roll_nom	134.0240022896	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24953.599907041	Sum of GTIs [s]
livetime	24637.622399764	Livetime [s]
ontime0	24953.599907041	Sum of GTIs [s]
ontime1	24953.599907041	Sum of GTIs [s]
ontime2	24953.599907041	Sum of GTIs [s]
ontime3	24953.599907041	Sum of GTIs [s]
ontime6	24940.635945886	Sum of GTIs [s]
ontime7	24953.599907041	Sum of GTIs [s]
l2events	110512	Number of level 2 events



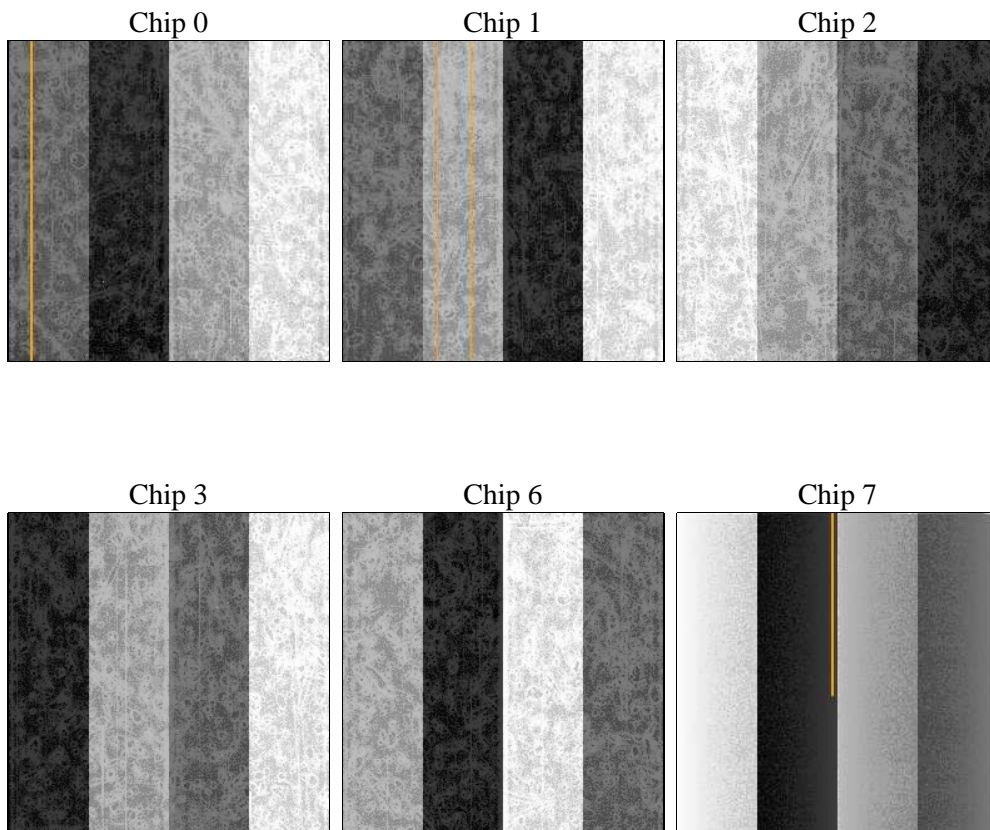
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	24953.599907041	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	24953.599907041	Sum of GTIs [s]
date	2012-04-02T20:09:31	Date and time of file creation	ontime1	24953.599907041	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	24953.599907041	Sum of GTIs [s]
			ontime3	24953.599907041	Sum of GTIs [s]
			ontime6	24940.635945886	Sum of GTIs [s]
			ontime7	24953.599907041	Sum of GTIs [s]
			l1events	884414	Number of level 1 events

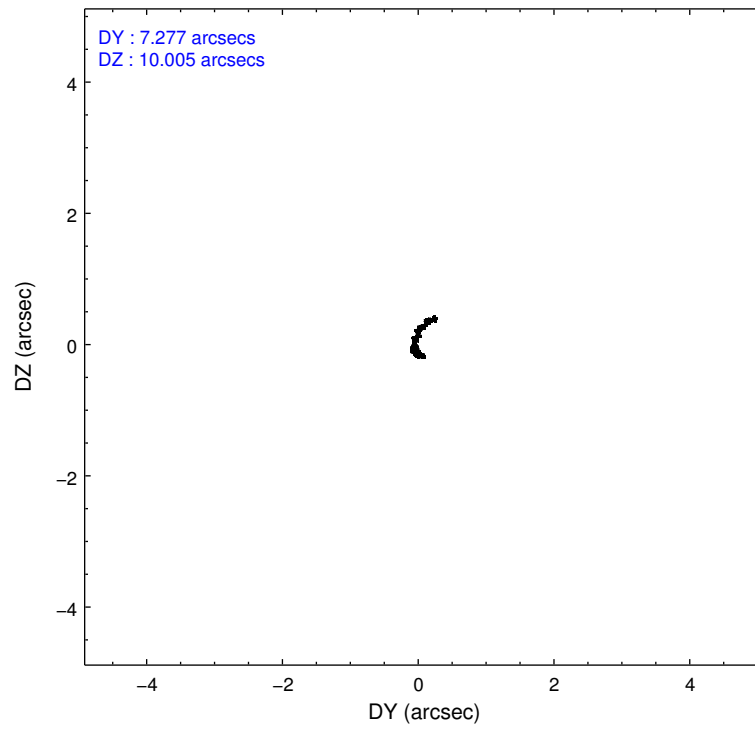
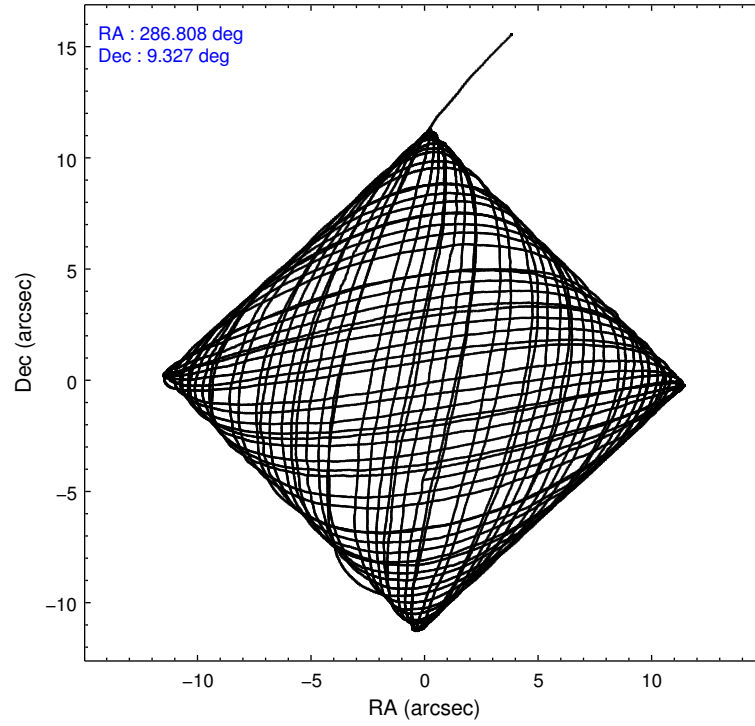
2.1.4 Events

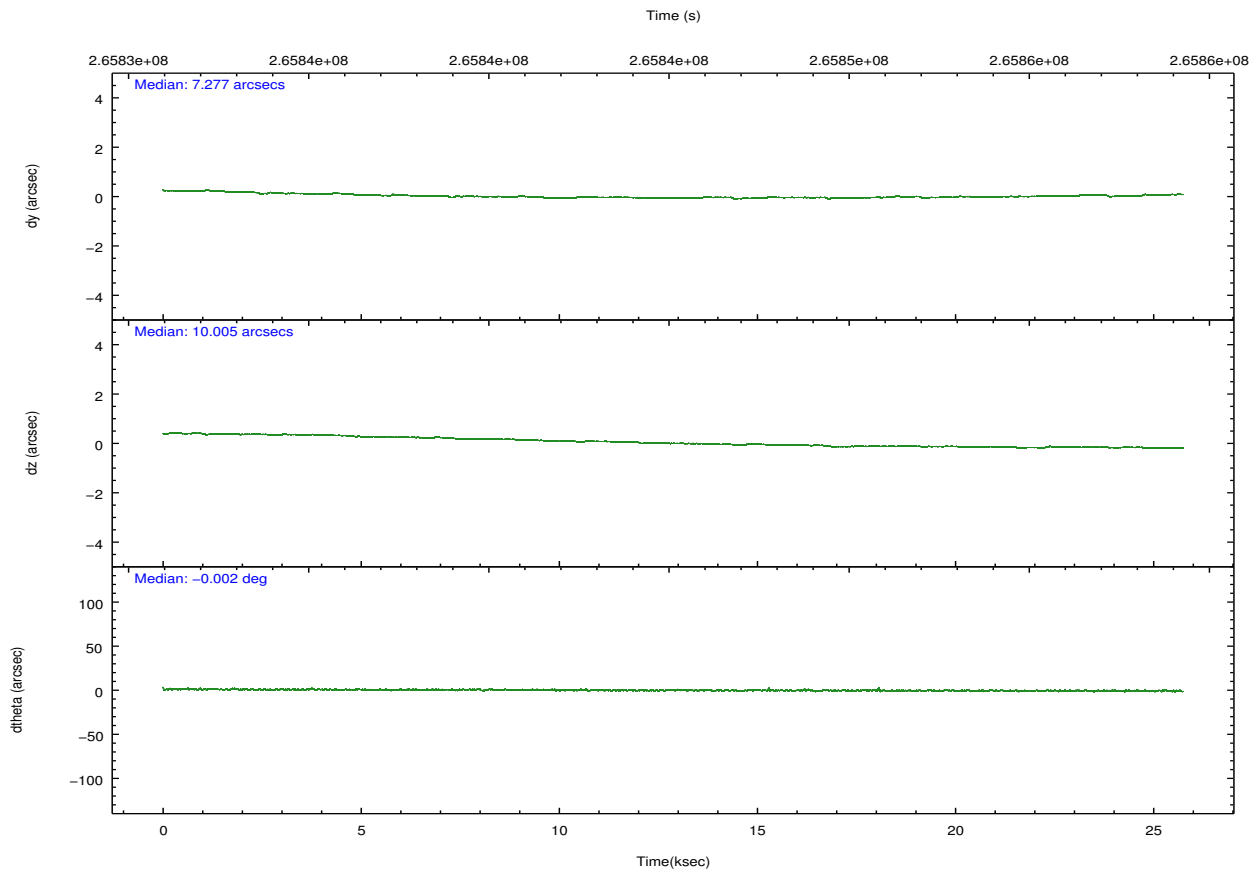
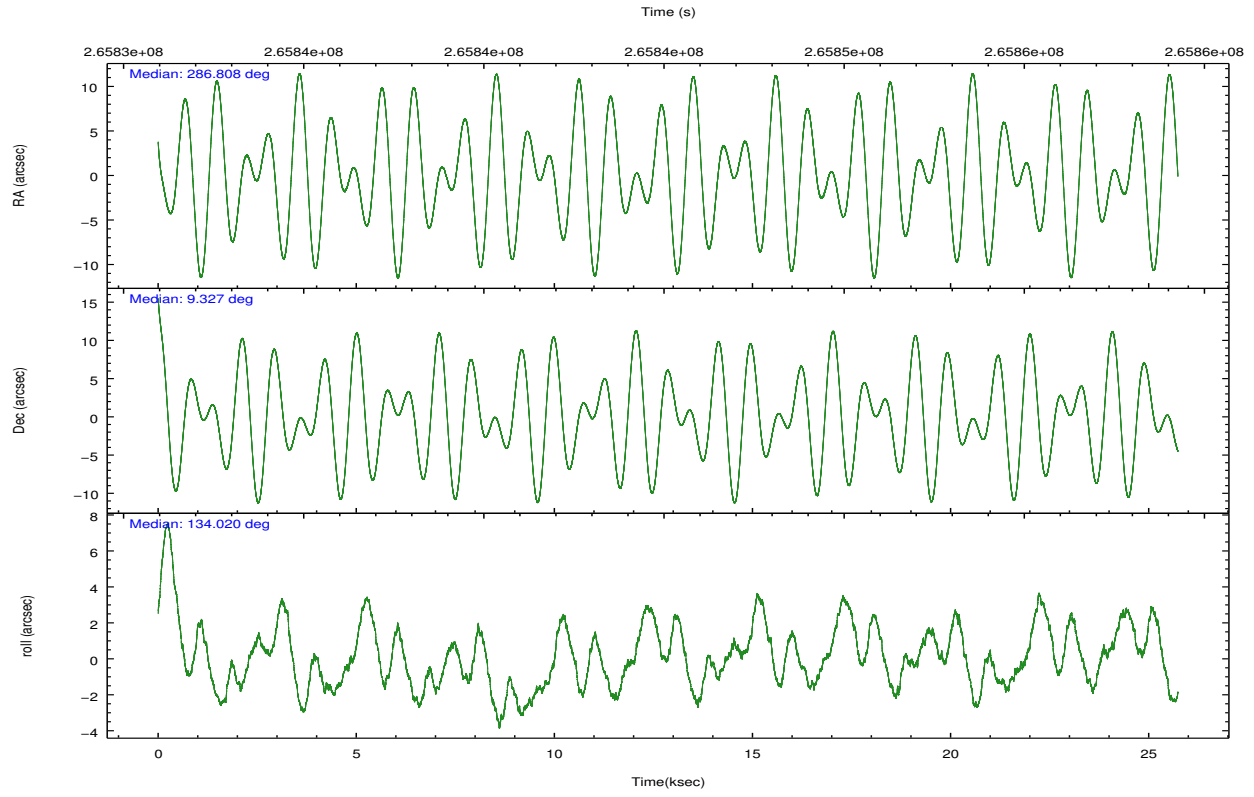
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	151421	142247	176315	161166	162286	90979	grade 0 events	5687	5737	6134	8671	5516	6266
rejected events	137417	127624	161935	143226	148226	38630		3%	4%	3%	5%	3%	6%
rejected %	90%	89%	91%	88%	91%	42%	grade 1 events	81	83	86	336	69	163
								0%	0%	0%	0%	0%	0%
							grade 2 events	3236	3123	3323	3439	3150	12641
								2%	2%	1%	2%	1%	13%
							grade 3 events	1644	1700	1494	1777	1546	5624
								1%	1%	0%	1%	0%	6%
							grade 4 events	1415	1674	1494	1735	1512	5452
								0%	1%	0%	1%	0%	5%
							grade 5 events	2510	3027	2415	3287	3179	9698
								1%	2%	1%	2%	1%	10%
							grade 6 events	2026	2393	1940	2320	2337	22379
								1%	1%	1%	1%	1%	24%
							grade 7 events	134822	124510	159429	139601	144977	28756
								89%	87%	90%	86%	89%	31%

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	286.834606	286.8078954287368	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.319149	9.32658895590736	Alternating exposures requested	N	N
[deg] Pointing Roll	133.810985	134.024002289605	[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)	265832979.184000	265831683.45048			
Observation start date	2006-06-04T18:28:34	2006-06-04T18:08:03			
[s] Observation end time (MET)	265857979.184000	265858351.38923			
Observation end date	2006-06-05T01:25:14	2006-06-05T01:32:31			
Read mode	TIMED	TIMED			

2.3 Aspect



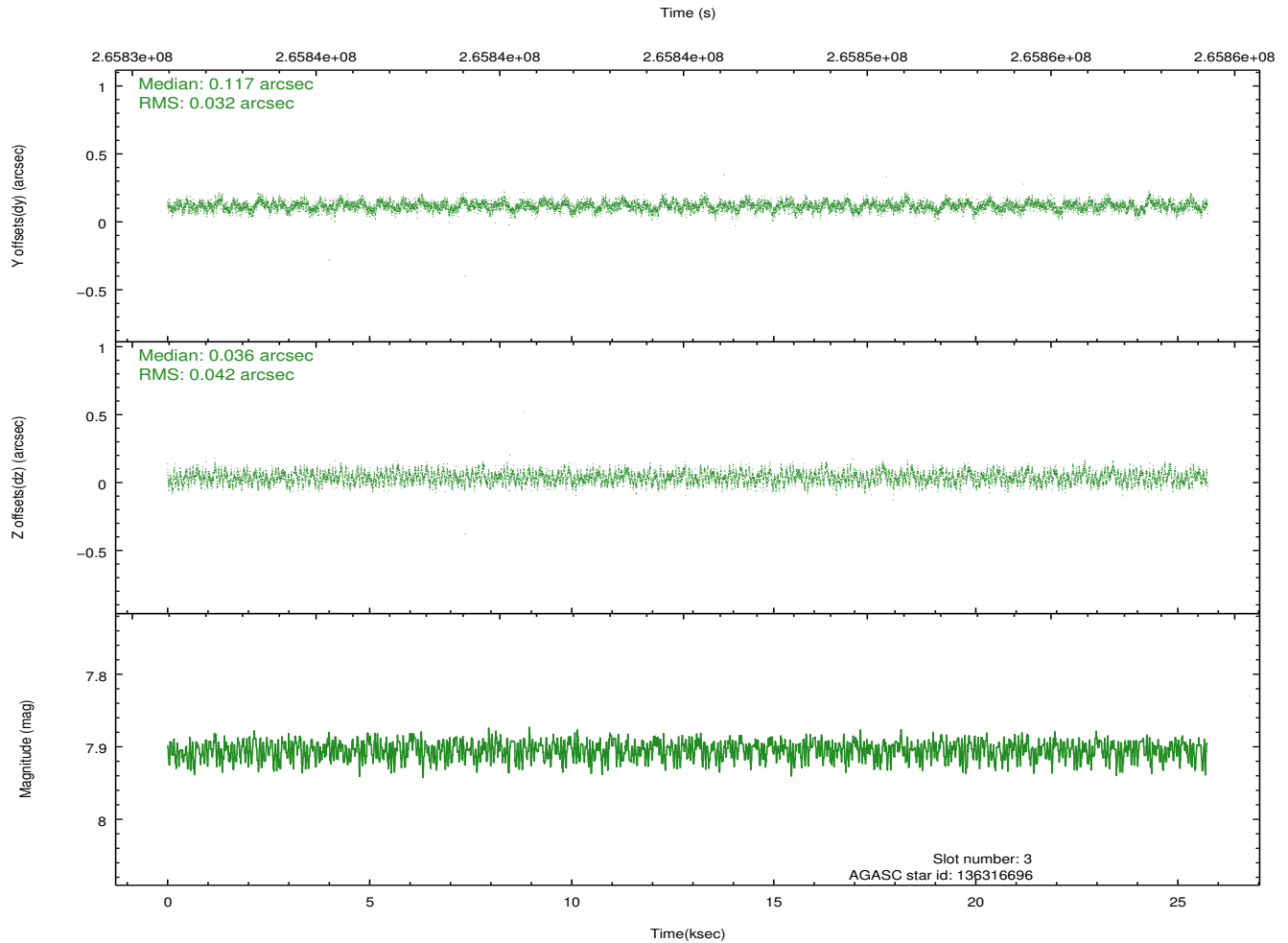
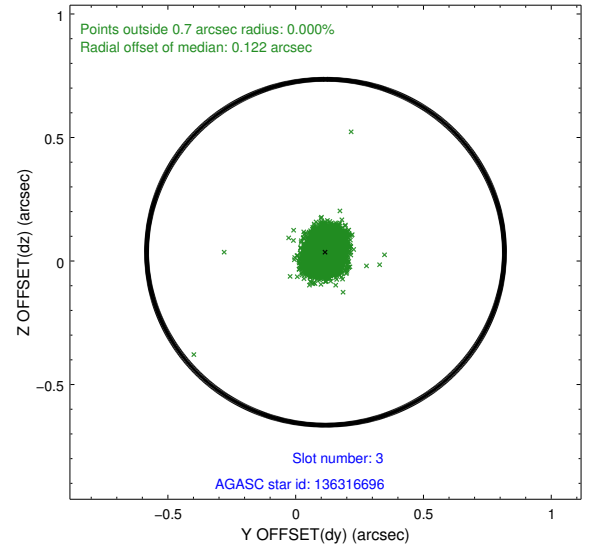
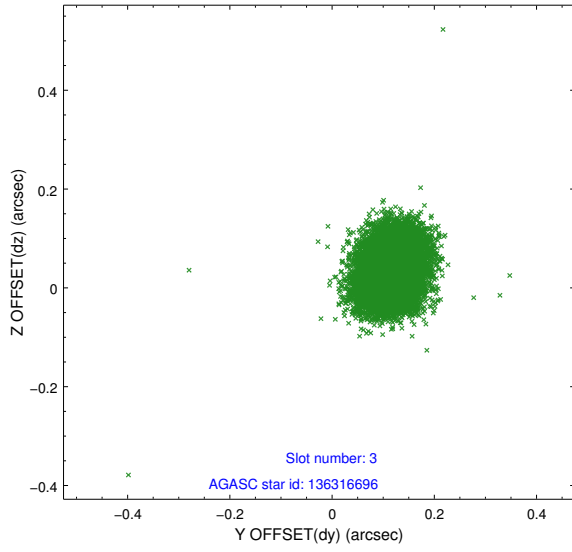


Slot Statistics

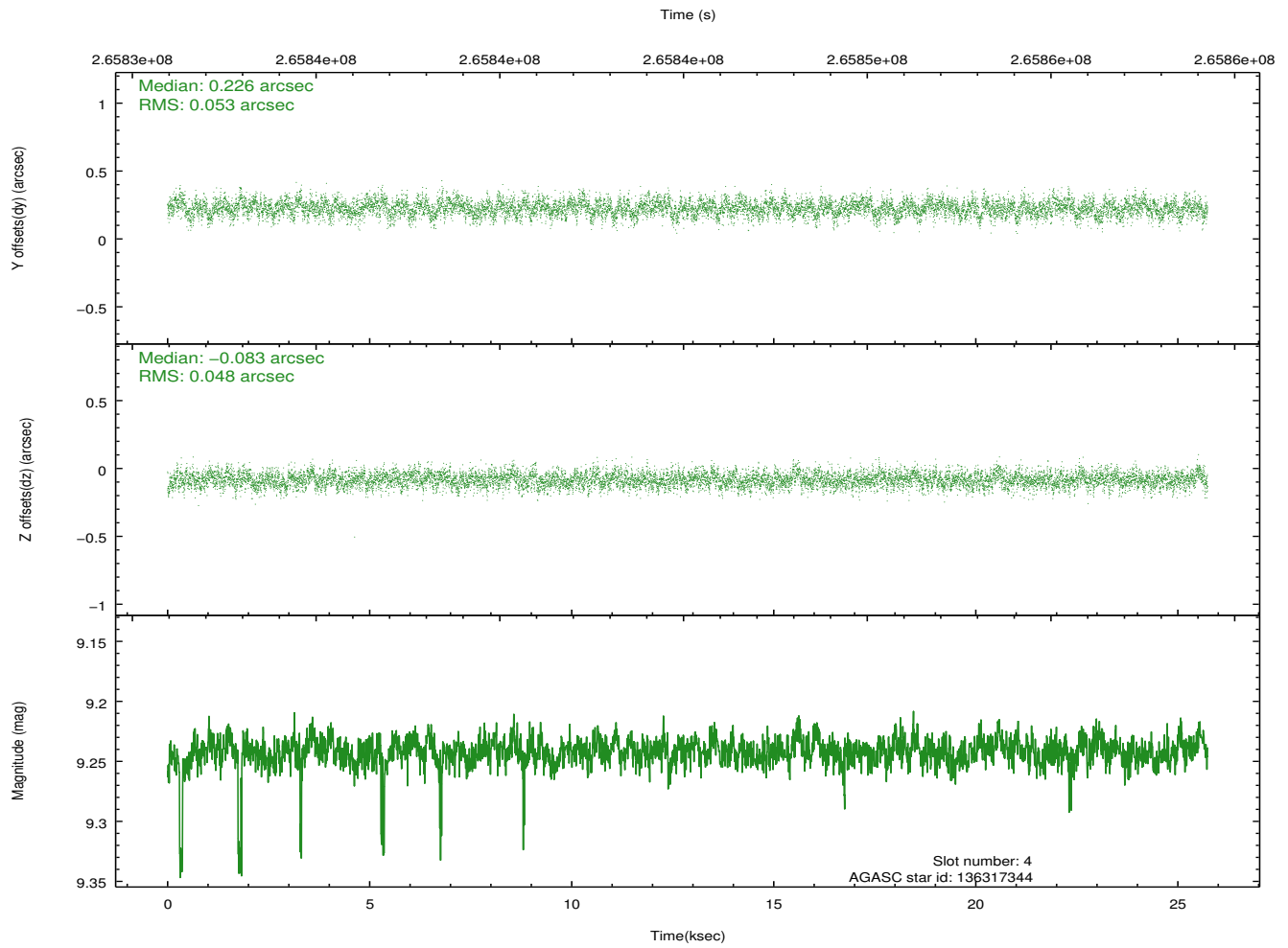
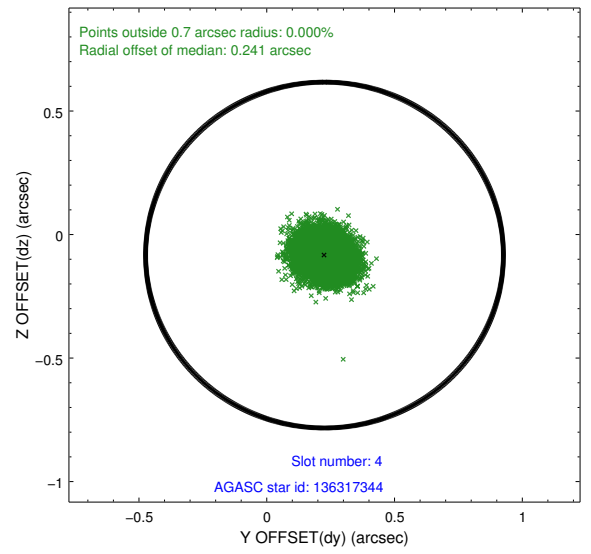
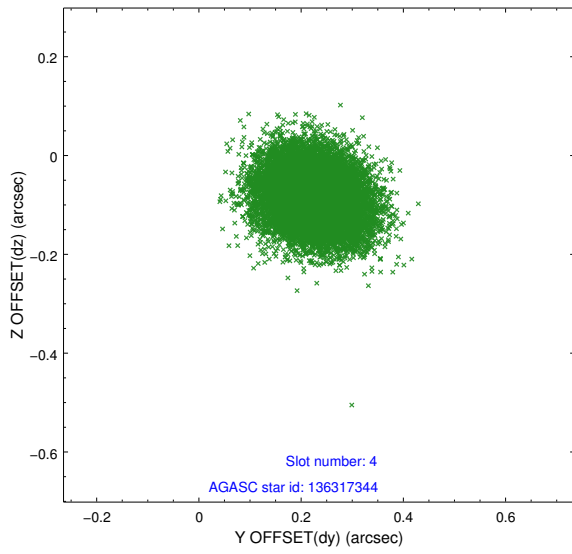
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6277	0.016	-0.009	0.015	0.027	0.000000	0.000000	932.39	-833.54
1	FID	ACIS-I-5	7.23	6278	-0.162	0.032	0.008	0.013	0.000000	0.000000	-1815.84	1063.92
2	FID	ACIS-I-6	7.25	6276	0.054	0.049	0.012	0.020	0.000000	0.000000	397.84	1708.58
3	GUIDE	136316696	7.90	12552	0.117	0.036	0.057	0.090	287.190166	9.367792	-746.74	-1032.75
4	GUIDE	136317344	9.24	12533	0.226	-0.083	0.076	0.125	287.032148	8.921467	-1518.94	483.93
5	GUIDE	136845920	7.20	12555	-0.134	-0.115	0.060	0.095	286.285607	9.642131	2189.06	600.41
6	GUIDE	136850720	9.11	12549	-0.094	0.301	0.086	0.139	287.164458	9.793870	424.10	-2027.33
7	GUIDE	136315920	8.23	12552	-0.115	-0.140	0.064	0.104	286.430663	9.097145	417.99	1588.86

2.4 Star Slots

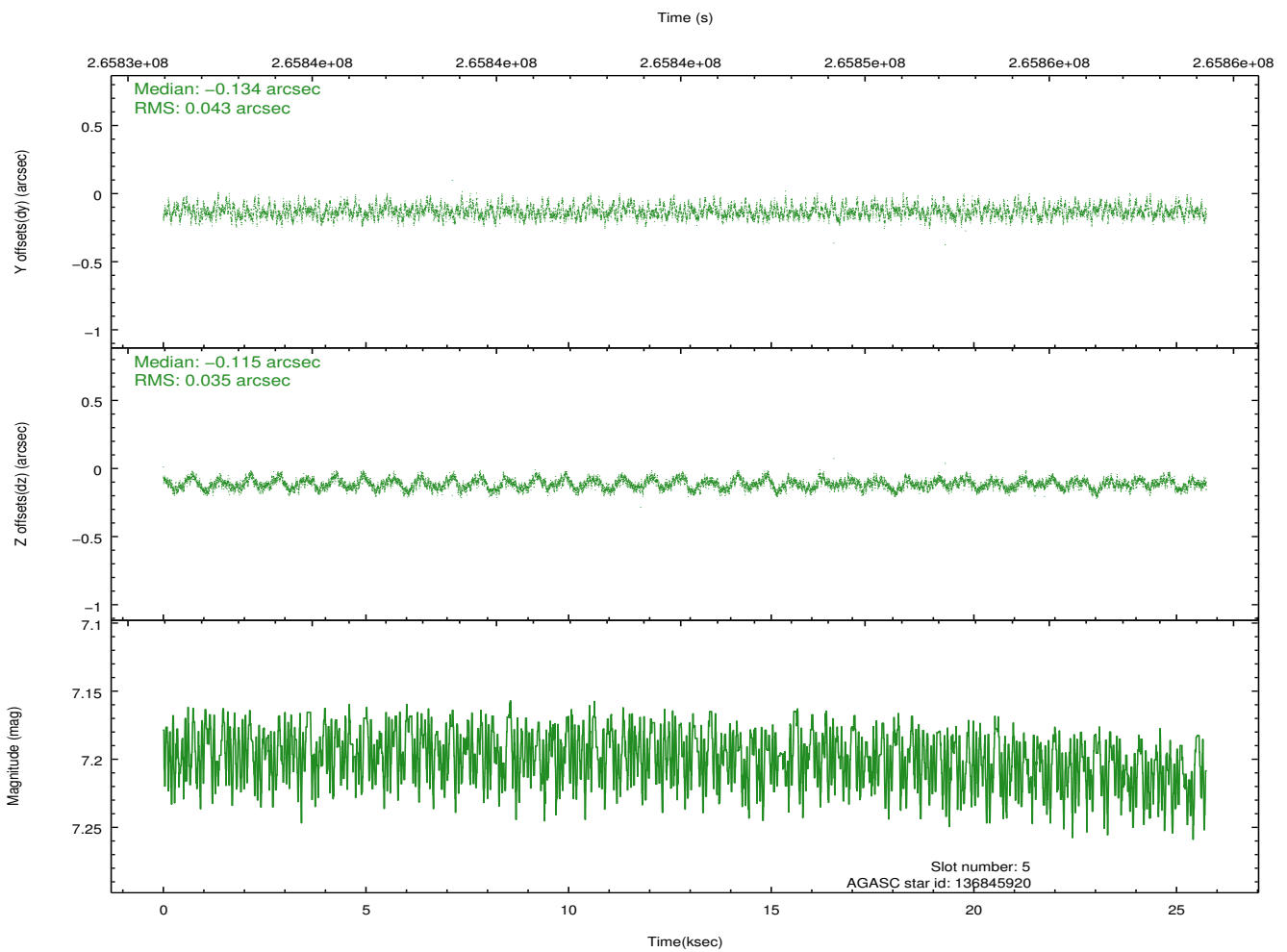
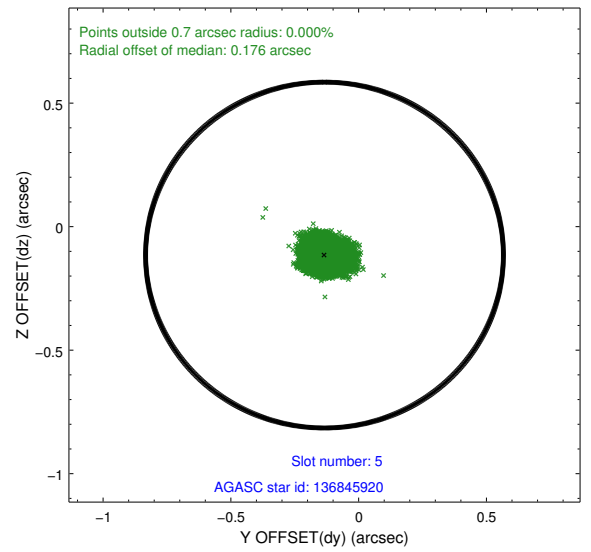
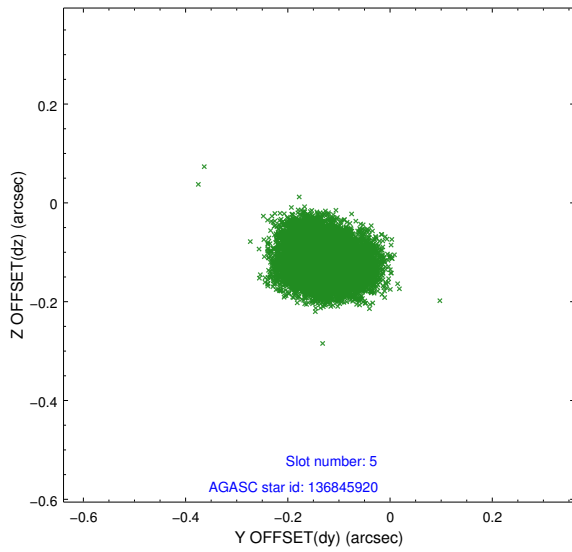
2.4.1 Slot 3



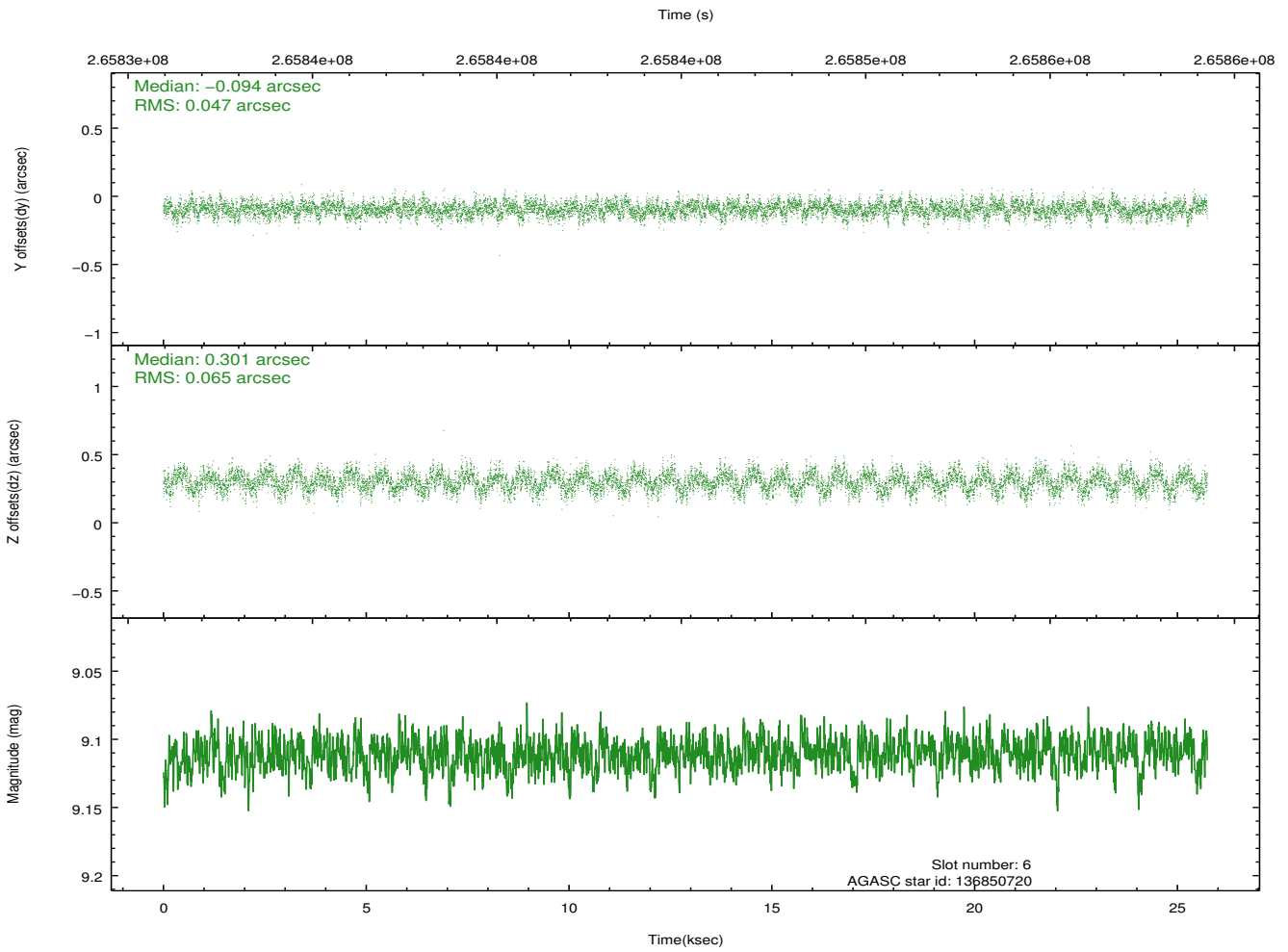
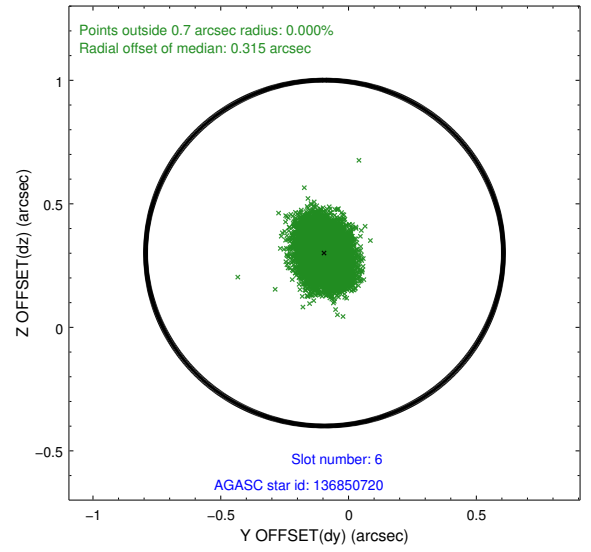
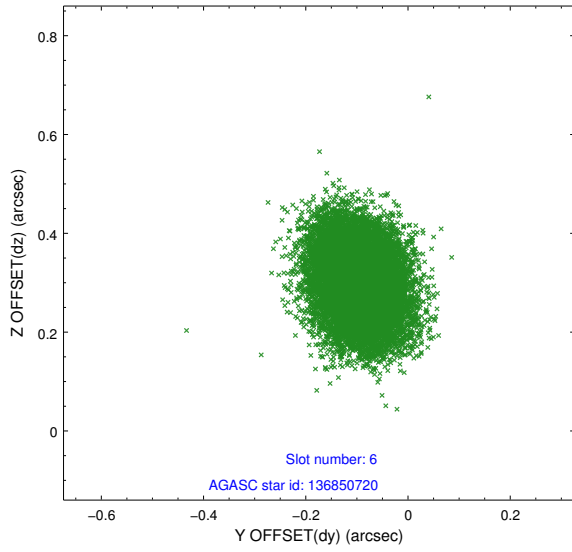
2.4.2 Slot 4



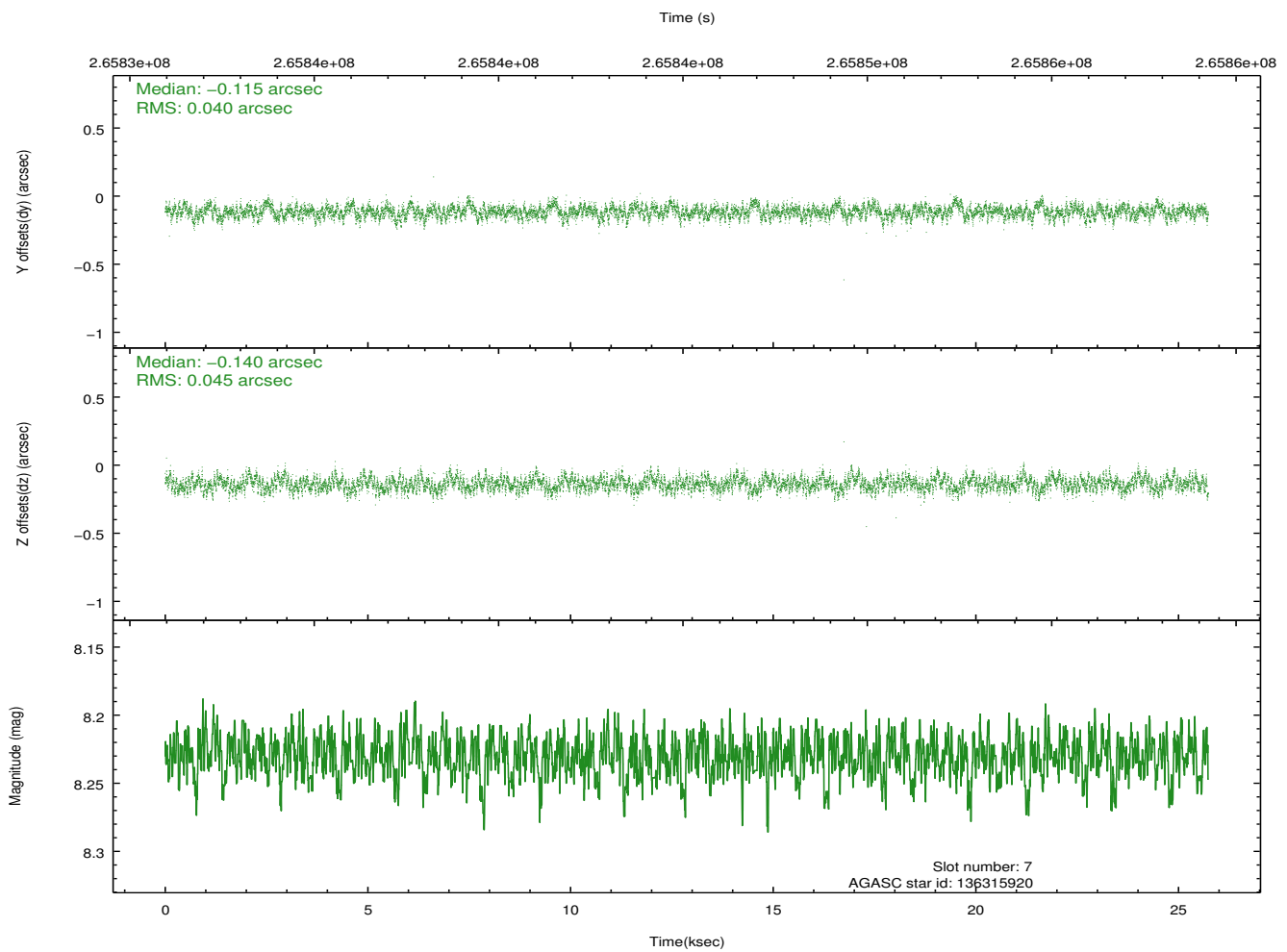
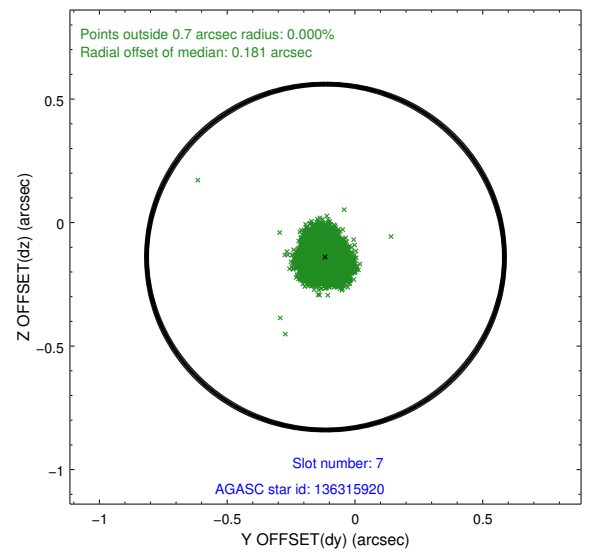
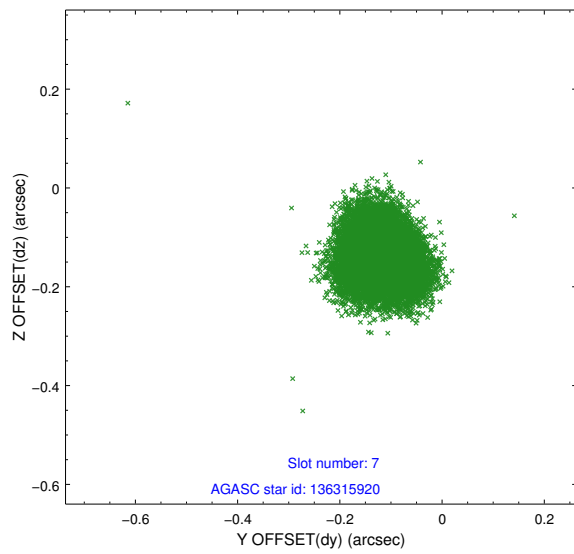
2.4.3 Slot 5



2.4.4 Slot 6

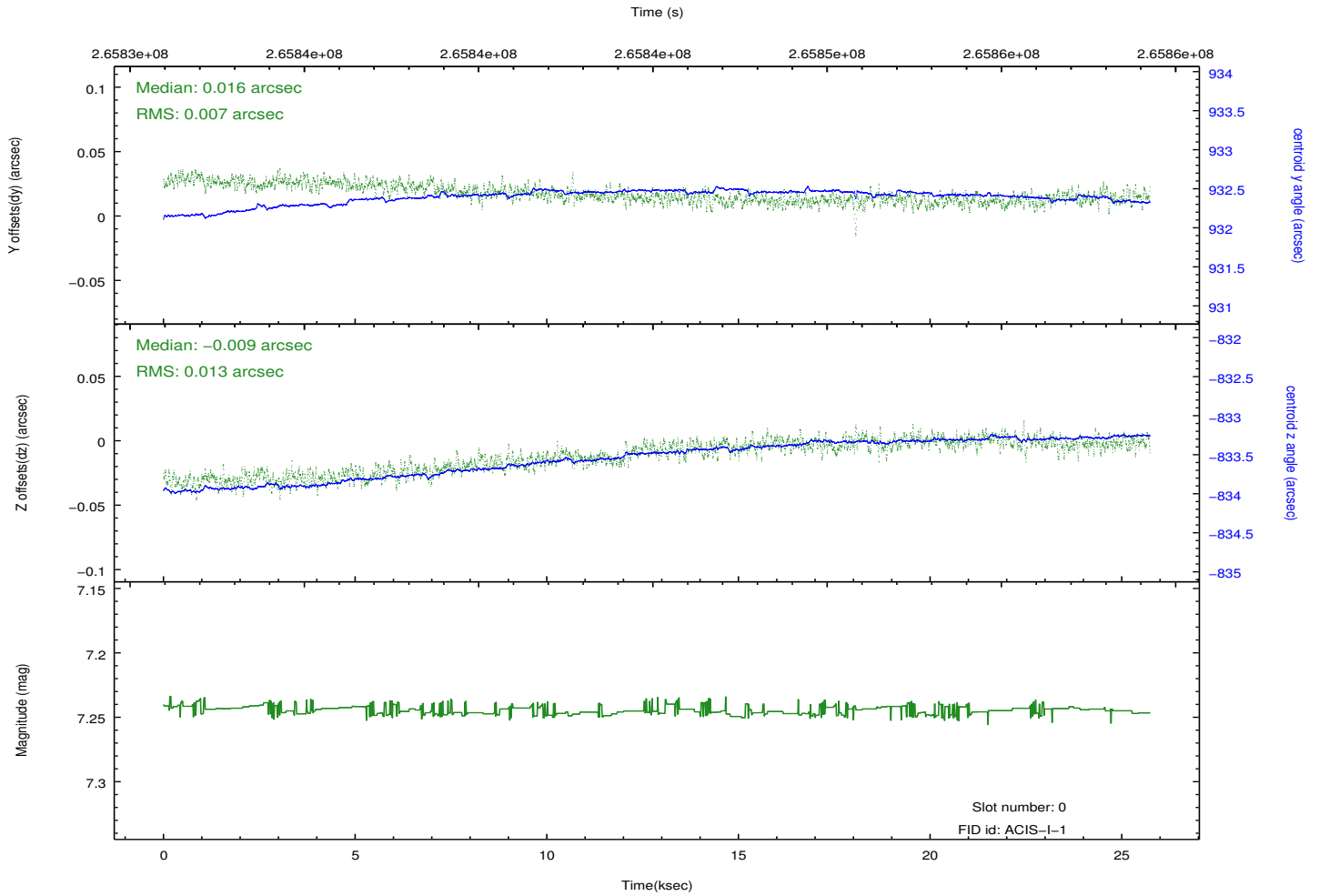
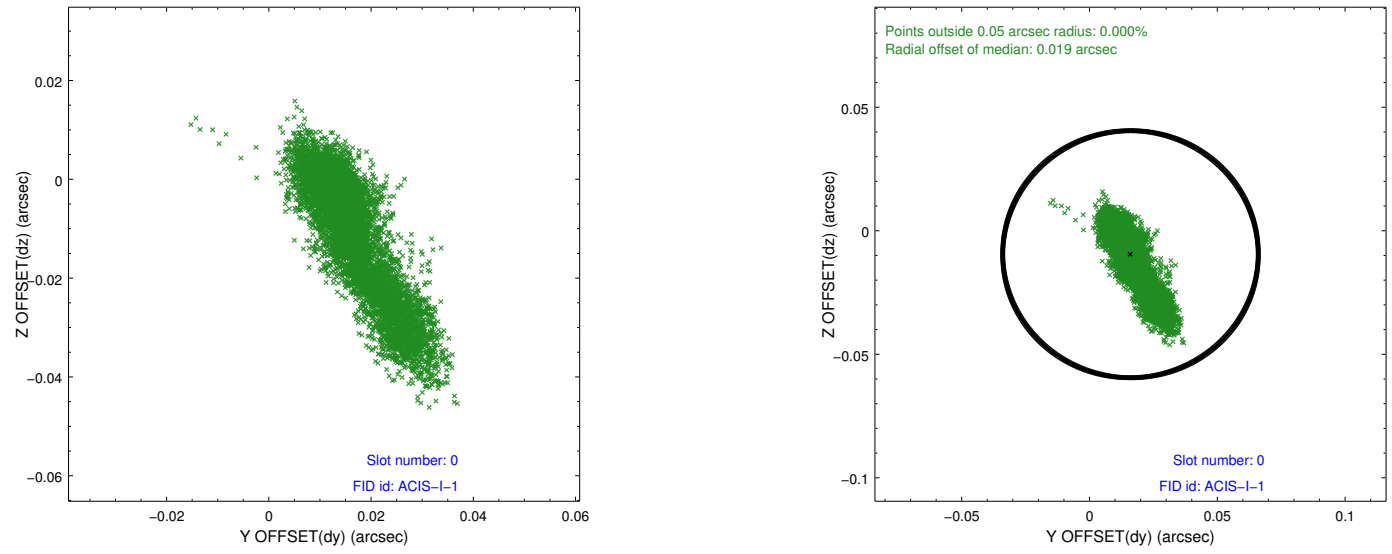


2.4.5 Slot 7

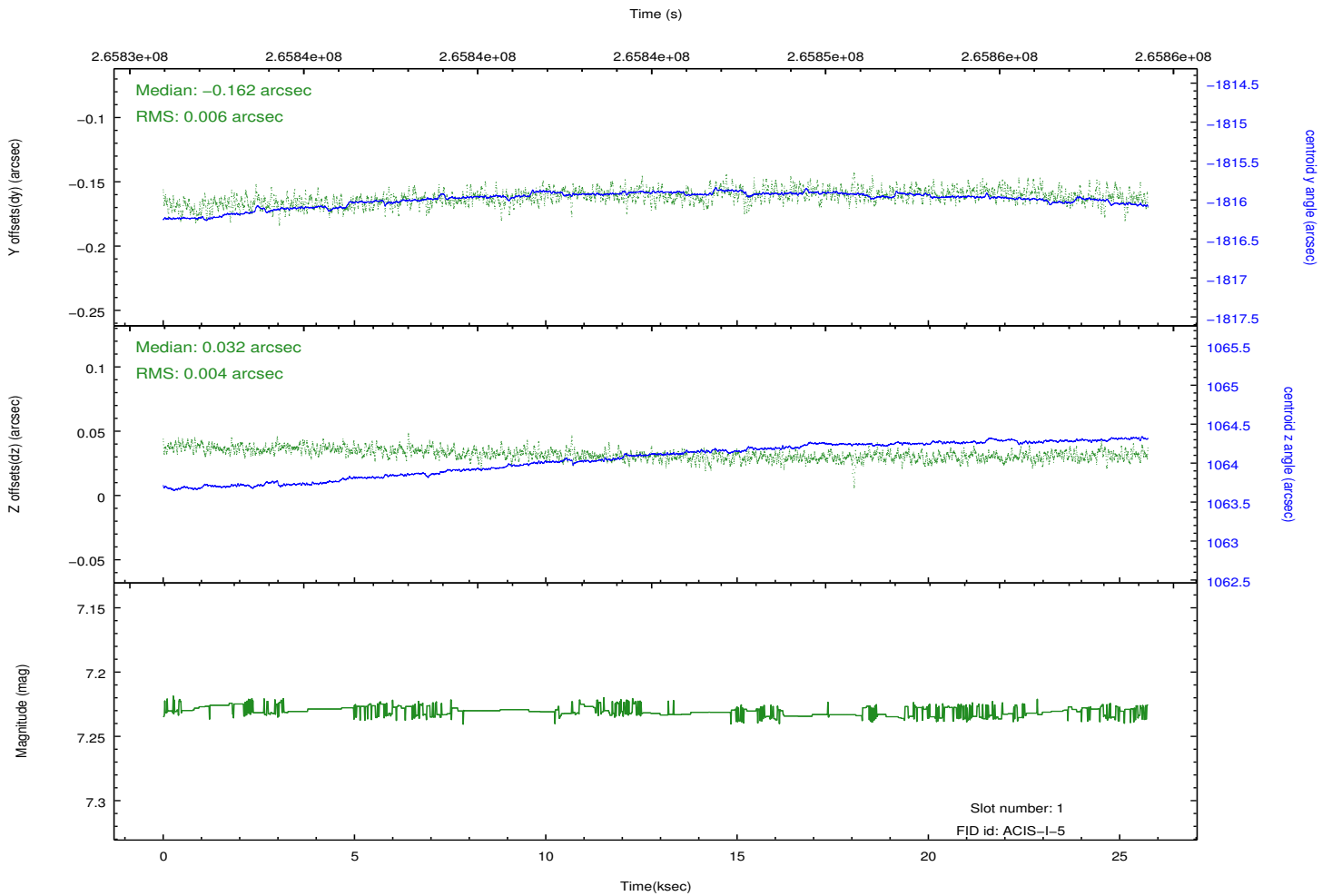
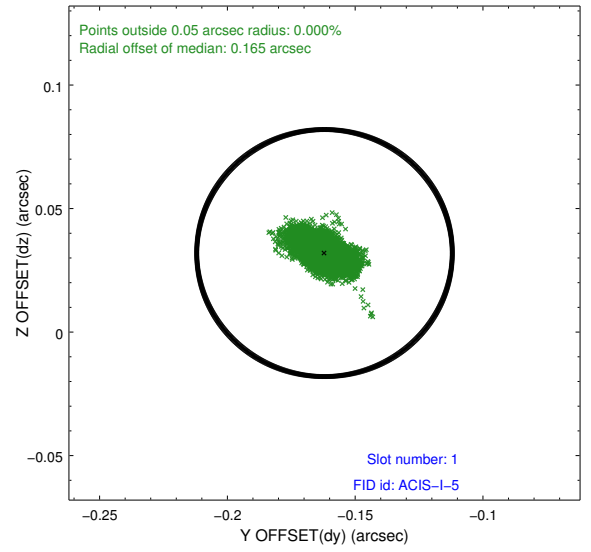
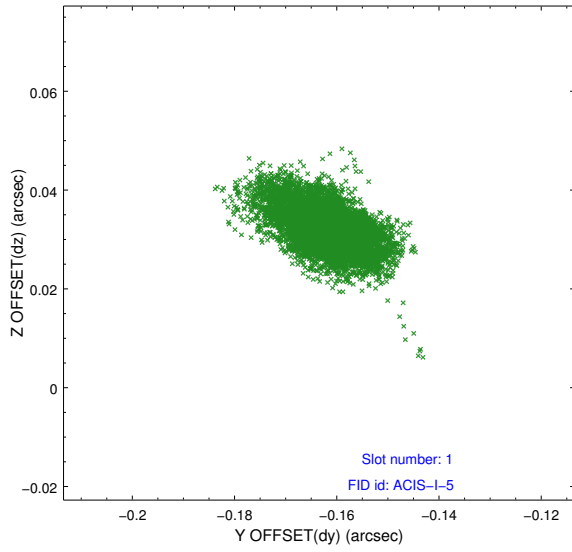


2.5 FID Slots

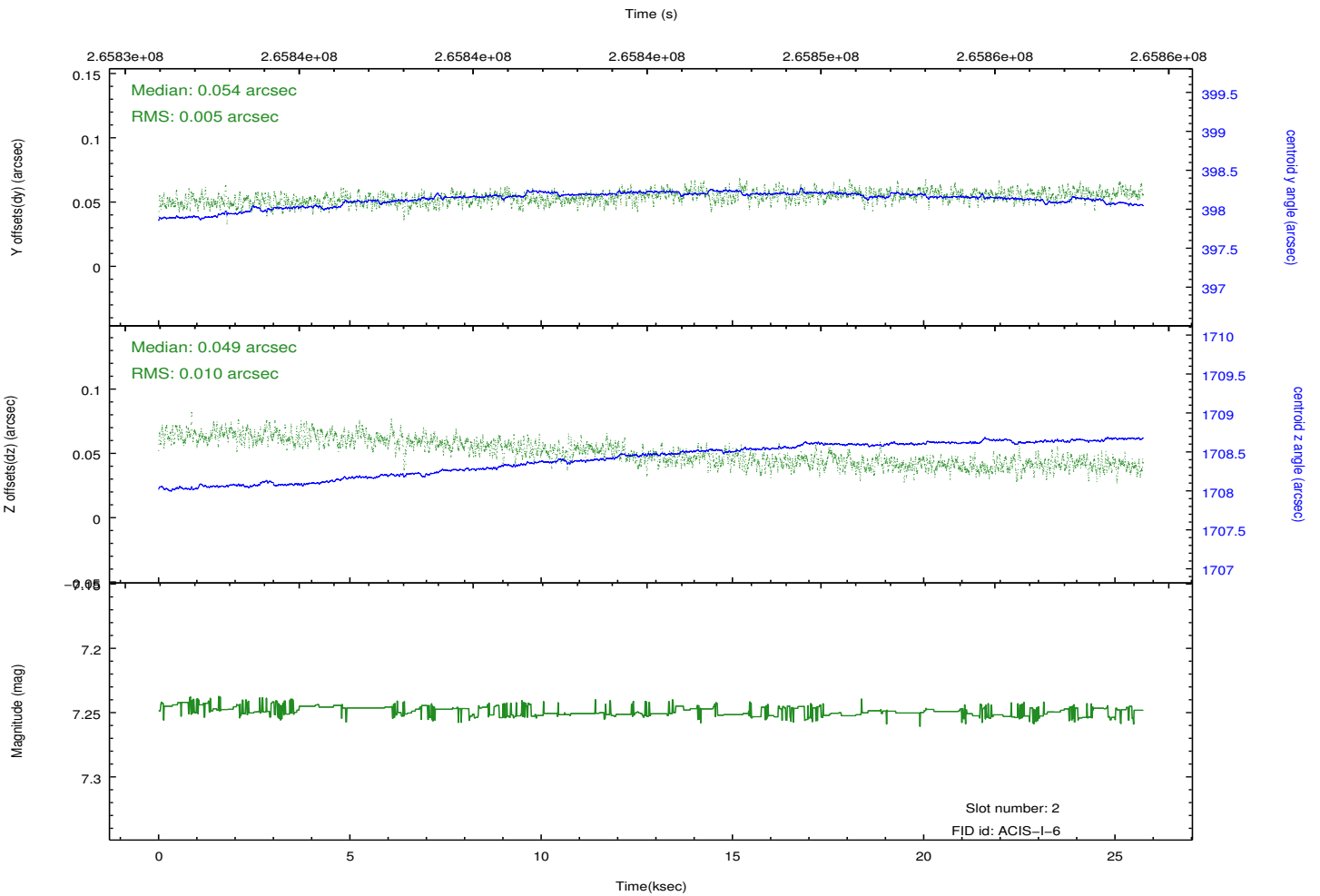
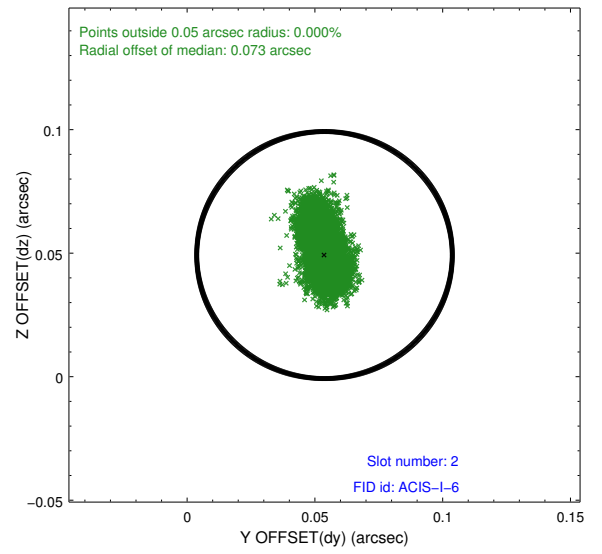
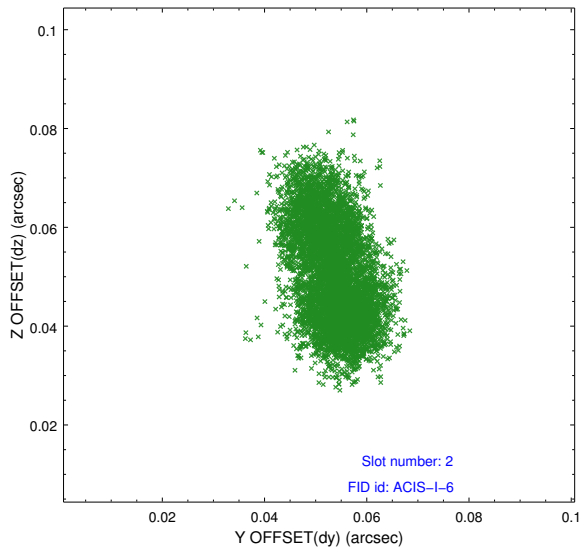
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.9535999

A.2 Comments