

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3817 - L2 Version 3
Chandra X-Ray Center

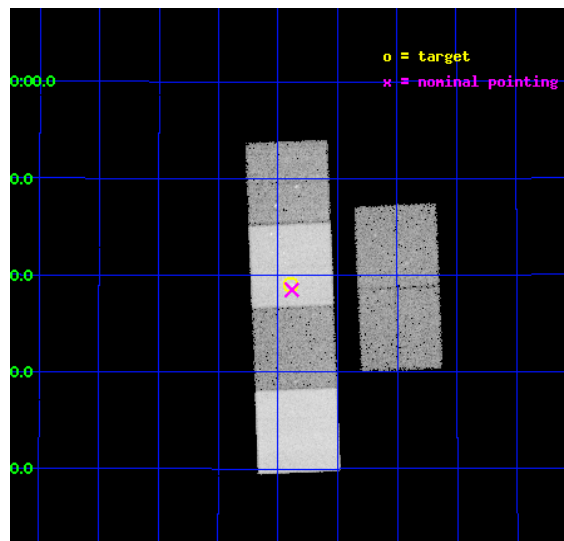
L2 Processing Date : Nov 5 2012

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1 Front

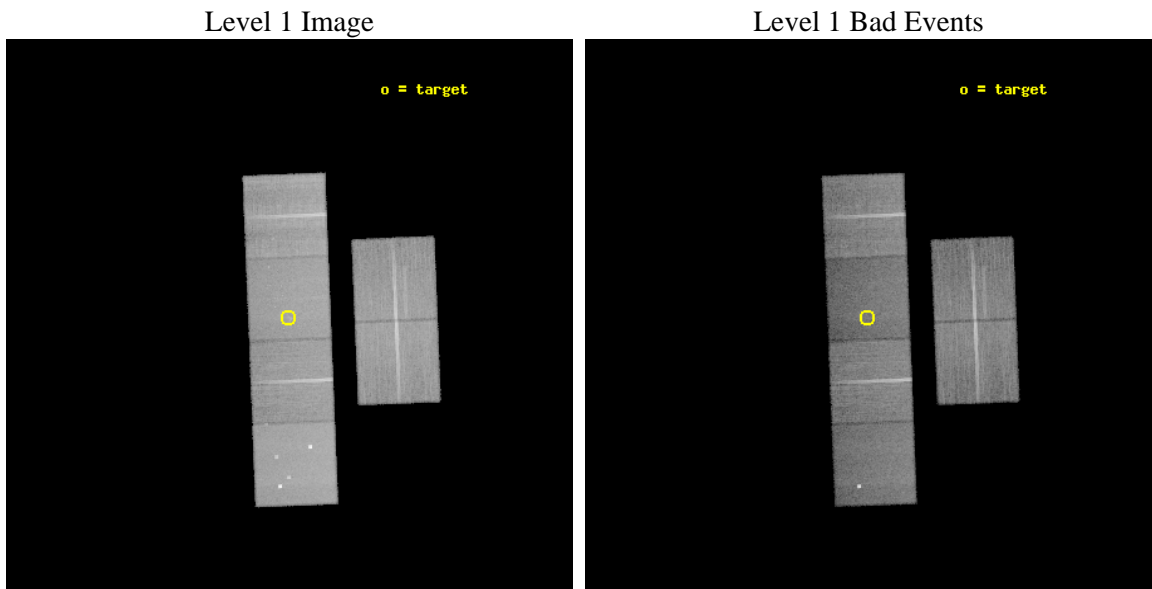
seq_num	400304	Sequence number
obs_id	3817	Observation id
title	DUSTY SHOCKS AND PULSAR WINDS: IDENTIFYING THE SOURCE MODEL FOR G70.7+1.2	Proposal title
observer	Zaven Arzoumanian	Principal investigator
object	G70.7+1.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	301.098333	Observer's specified target RA [deg]
dec_targ	33.651111	Observer's specified target Dec [deg]
ra_nom	301.09585467801	Nominal RA [deg]
dec_nom	33.641660742208	Nominal Dec [deg]
roll_nom	267.71397961222	Nominal Roll [deg]
revision	3	Processing version of data
ontime	38275.199857414	Sum of GTIs [s]
livetime	37790.536230261	Livetime [s]
ontime2	38275.199857414	Sum of GTIs [s]
ontime3	38271.958867222	Sum of GTIs [s]
ontime5	38275.199857414	Sum of GTIs [s]
ontime6	38265.477056235	Sum of GTIs [s]
ontime7	38275.199857414	Sum of GTIs [s]
ontime8	38268.717906952	Sum of GTIs [s]
l2events	312970	Number of level 2 events



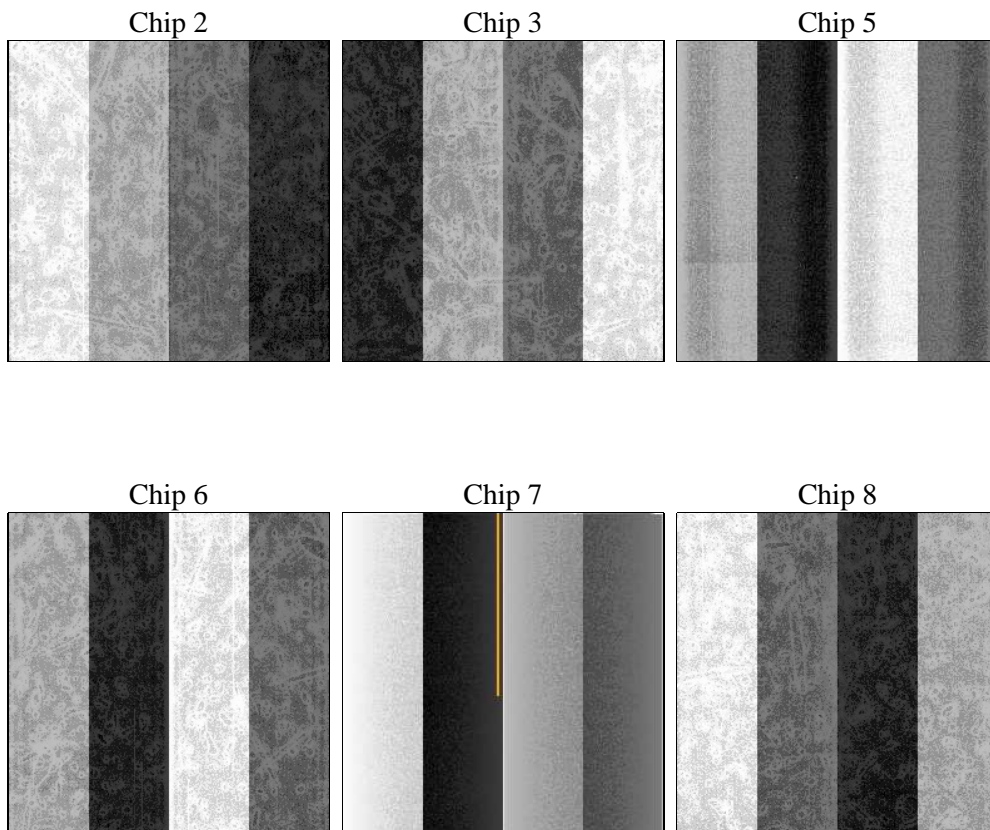
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38312.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	38275.199857414	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	38275.199857414	Sum of GTIs [s]
date	2012-11-05T06:40:34	Date and time of file creation	ontime3	38271.958867222	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	38275.199857414	Sum of GTIs [s]
			ontime6	38265.477056235	Sum of GTIs [s]
			ontime7	38275.199857414	Sum of GTIs [s]
			ontime8	38268.717906952	Sum of GTIs [s]
			l1events	1400942	Number of level 1 events

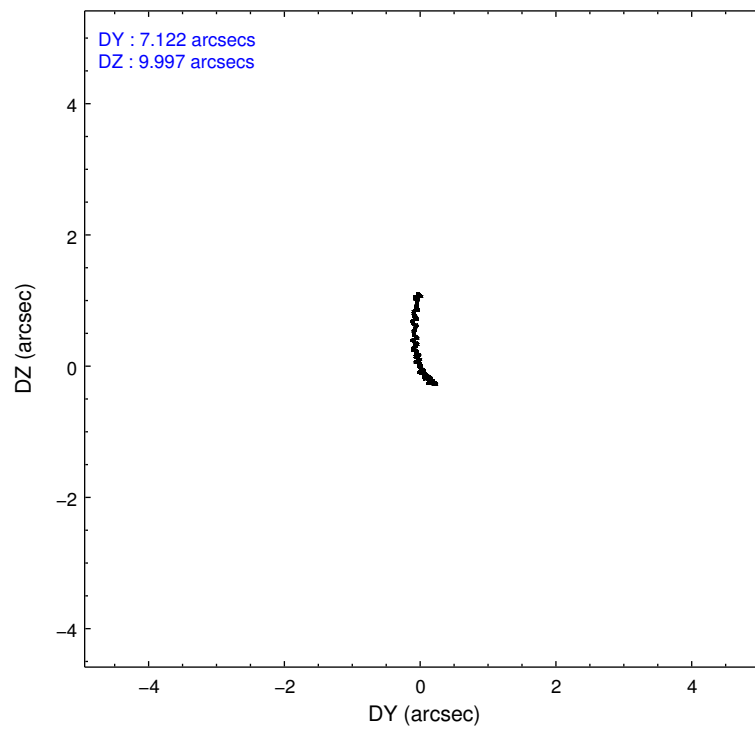
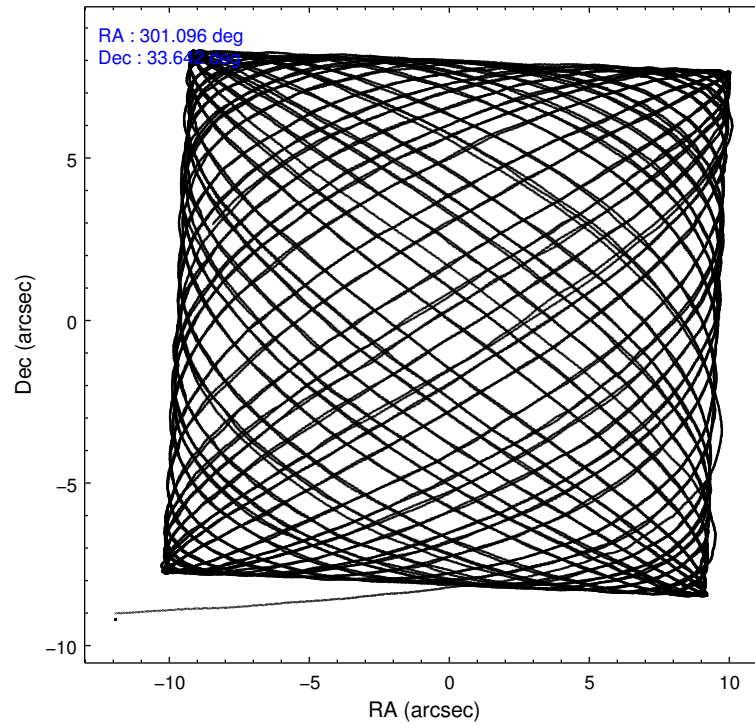
2.1.4 Events

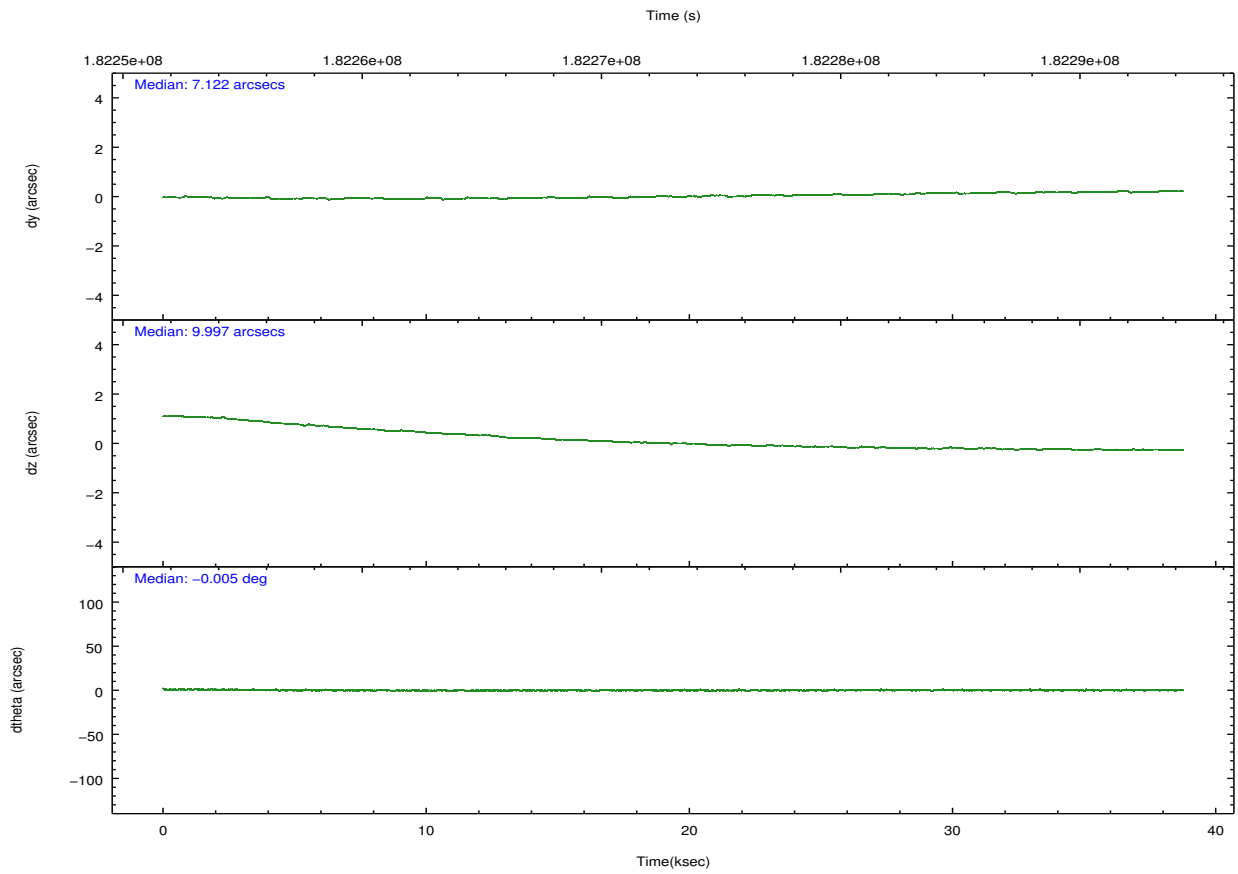
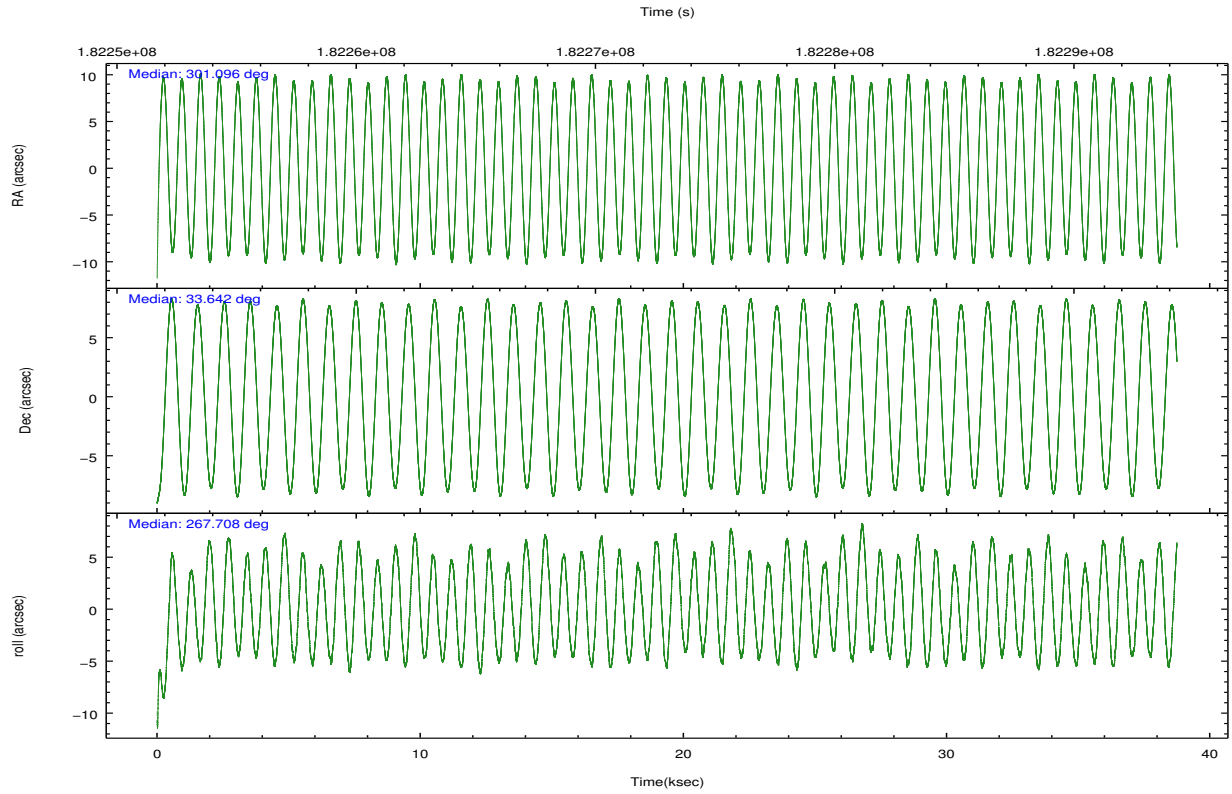
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	217673	201303	285793	209996	230523	255654	grade 0 events	8290	8083	19661	9327	11041	18238
rejected events	196311	180738	141713	186639	122933	198576		3%	4%	6%	4%	4%	7%
rejected %	90%	89%	49%	88%	53%	77%	grade 1 events	107	100	407	120	178	187
								0%	0%	0%	0%	0%	0%
							grade 2 events	4847	4247	40583	4584	22015	12266
								2%	2%	14%	2%	9%	4%
							grade 3 events	2244	2247	7030	2401	10430	6060
								1%	1%	2%	1%	4%	2%
							grade 4 events	2289	2192	6380	2472	10392	5756
								1%	1%	2%	1%	4%	2%
							grade 5 events	6847	7815	25418	8118	24301	11556
								3%	3%	8%	3%	10%	4%
							grade 6 events	3695	3799	70438	4576	53719	14760
								1%	1%	24%	2%	23%	5%
							grade 7 events	189354	172820	115876	178398	98447	186831
								86%	85%	40%	84%	42%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	301.080235	301.0958546780147	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.665597	33.64166074220751	Alternating exposures requested	N	N
[deg] Pointing Roll	267.566011	267.7139796122208	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	182254059.184000	182252970.58027			
Observation start date	2003-10-11T10:06:35	2003-10-11T09:49:30			
[s] Observation end time (MET)	182292371.184000	182293914.71953			
Observation end date	2003-10-11T20:45:07	2003-10-11T21:11:54			
Read mode	TIMED	TIMED			

2.3 Aspect



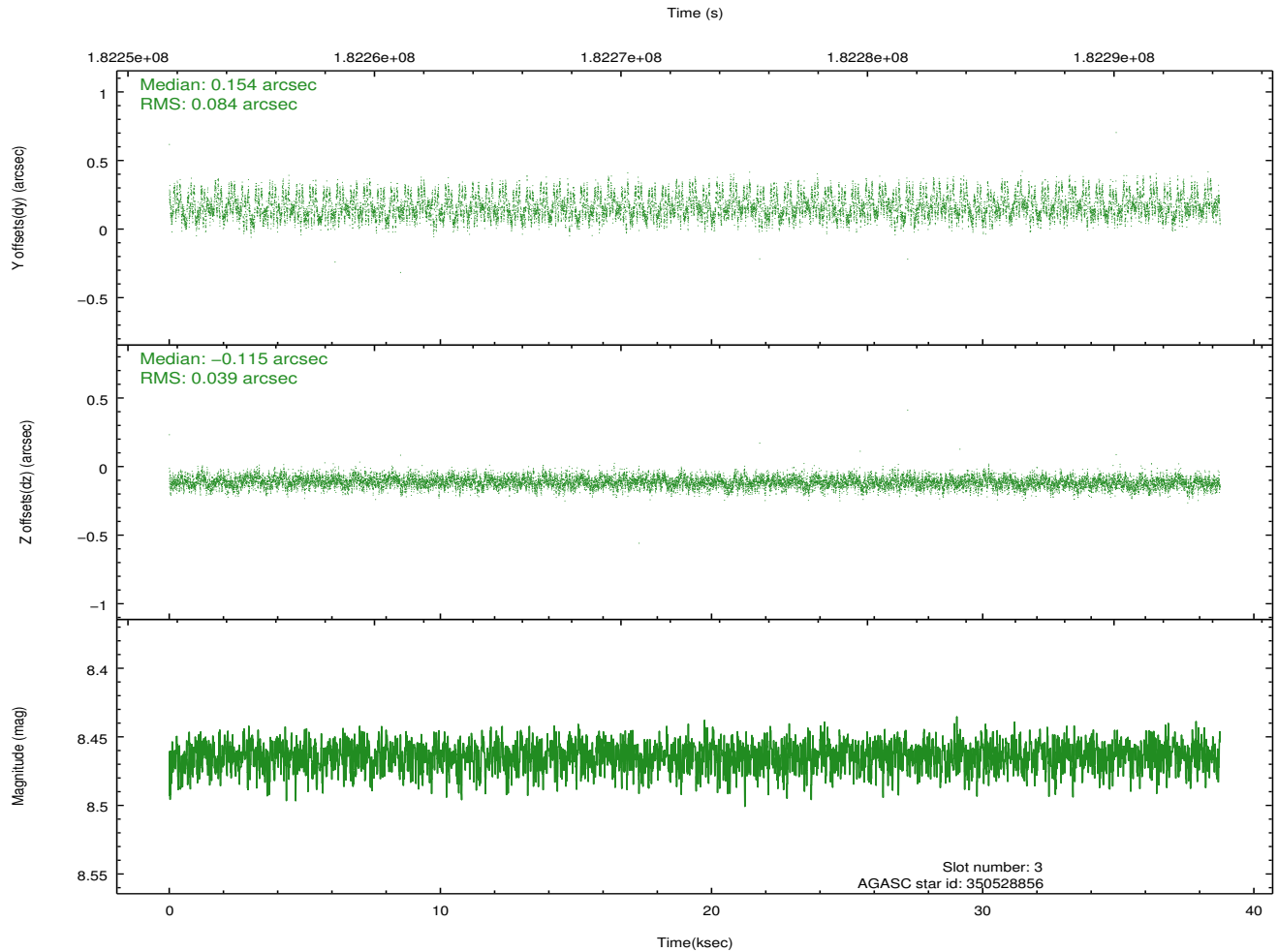
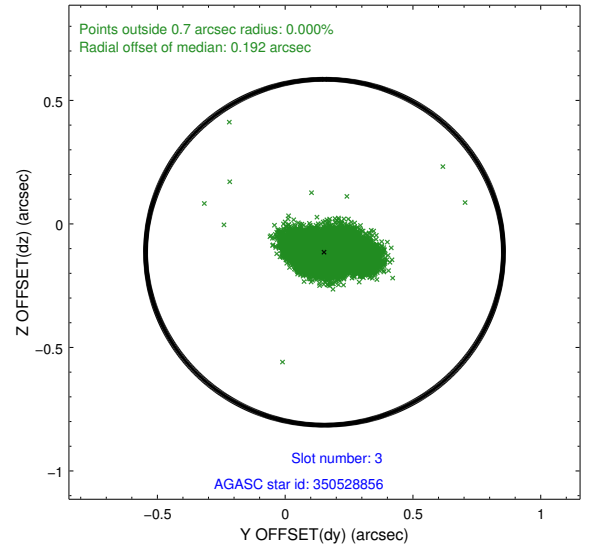
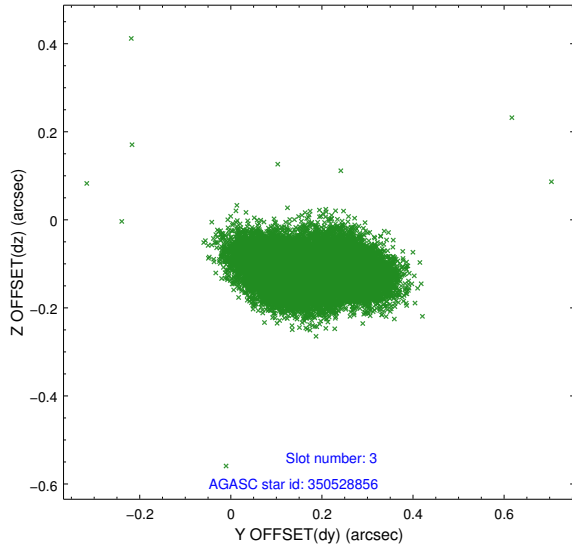


Slot Statistics

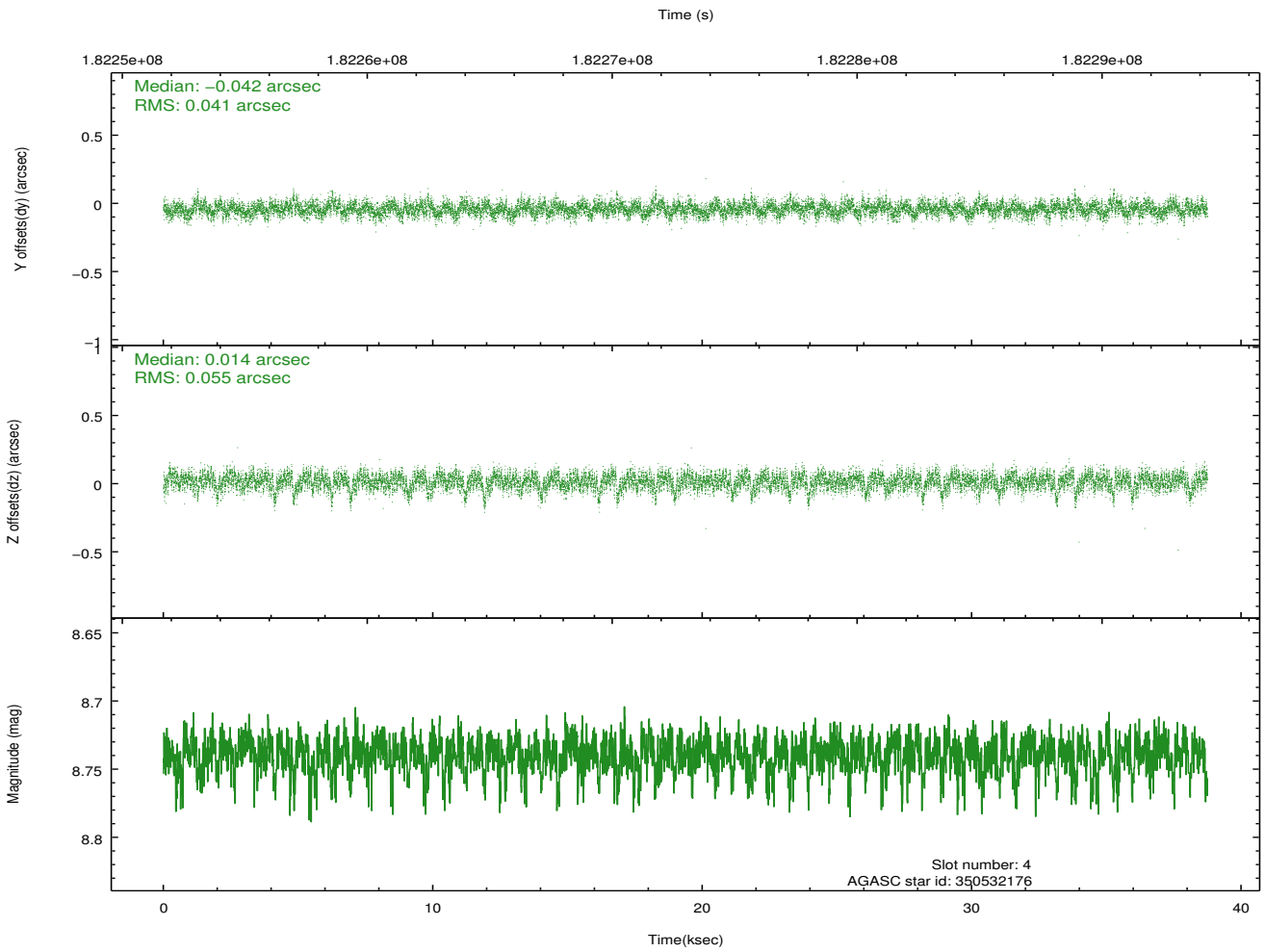
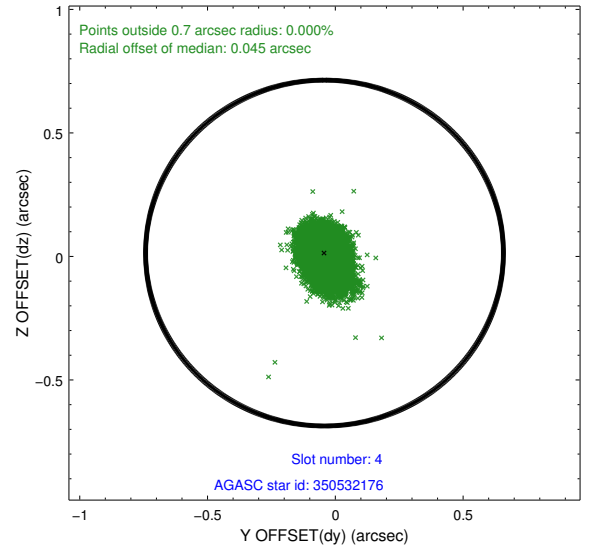
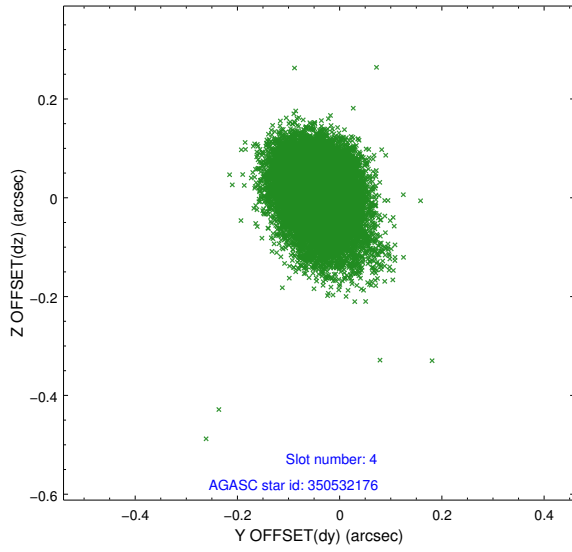
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9451	-0.043	-0.010	0.010	0.016	0.000000	0.000000	-759.91	-1731.43
1	FID	ACIS-S-4	7.20	9450	0.058	0.024	0.009	0.016	0.000000	0.000000	2153.42	177.11
2	FID	ACIS-S-5	7.23	9451	-0.045	-0.005	0.013	0.021	0.000000	0.000000	-1812.77	170.71
3	GUIDE	350528856	8.46	18898	0.154	-0.115	0.098	0.164	300.430955	33.066927	2231.14	-1865.45
4	GUIDE	350532176	8.74	18896	-0.042	0.014	0.070	0.122	301.391097	33.736988	-297.35	919.06
5	GUIDE	351023856	8.91	18896	-0.001	-0.028	0.072	0.119	300.615428	33.768113	-312.31	-1405.21
6	GUIDE	351026832	8.76	18894	-0.045	0.088	0.067	0.110	301.444122	34.279318	-2255.07	987.75
7	GUIDE	351164216	9.18	18885	-0.072	0.045	0.089	0.142	301.726791	34.147228	-1820.22	1851.02

2.4 Star Slots

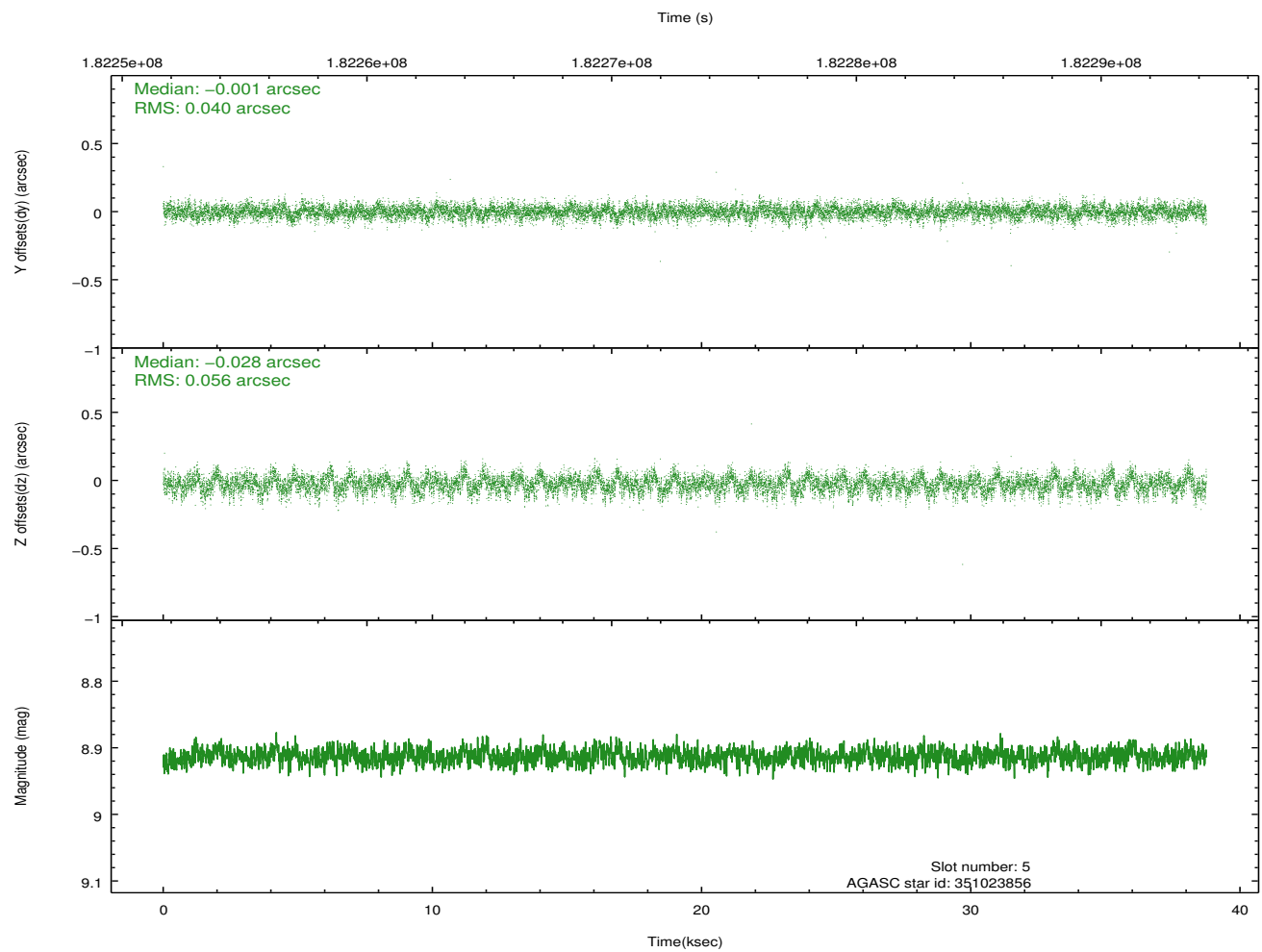
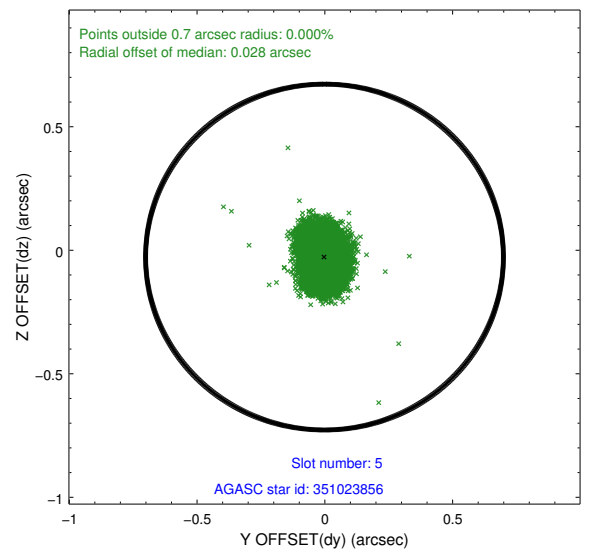
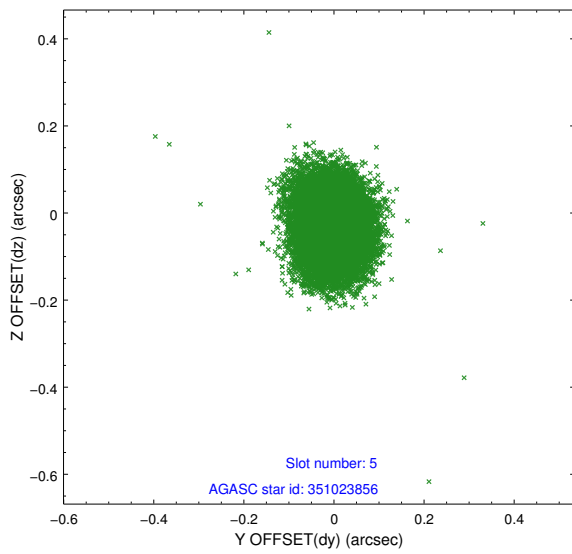
2.4.1 Slot 3



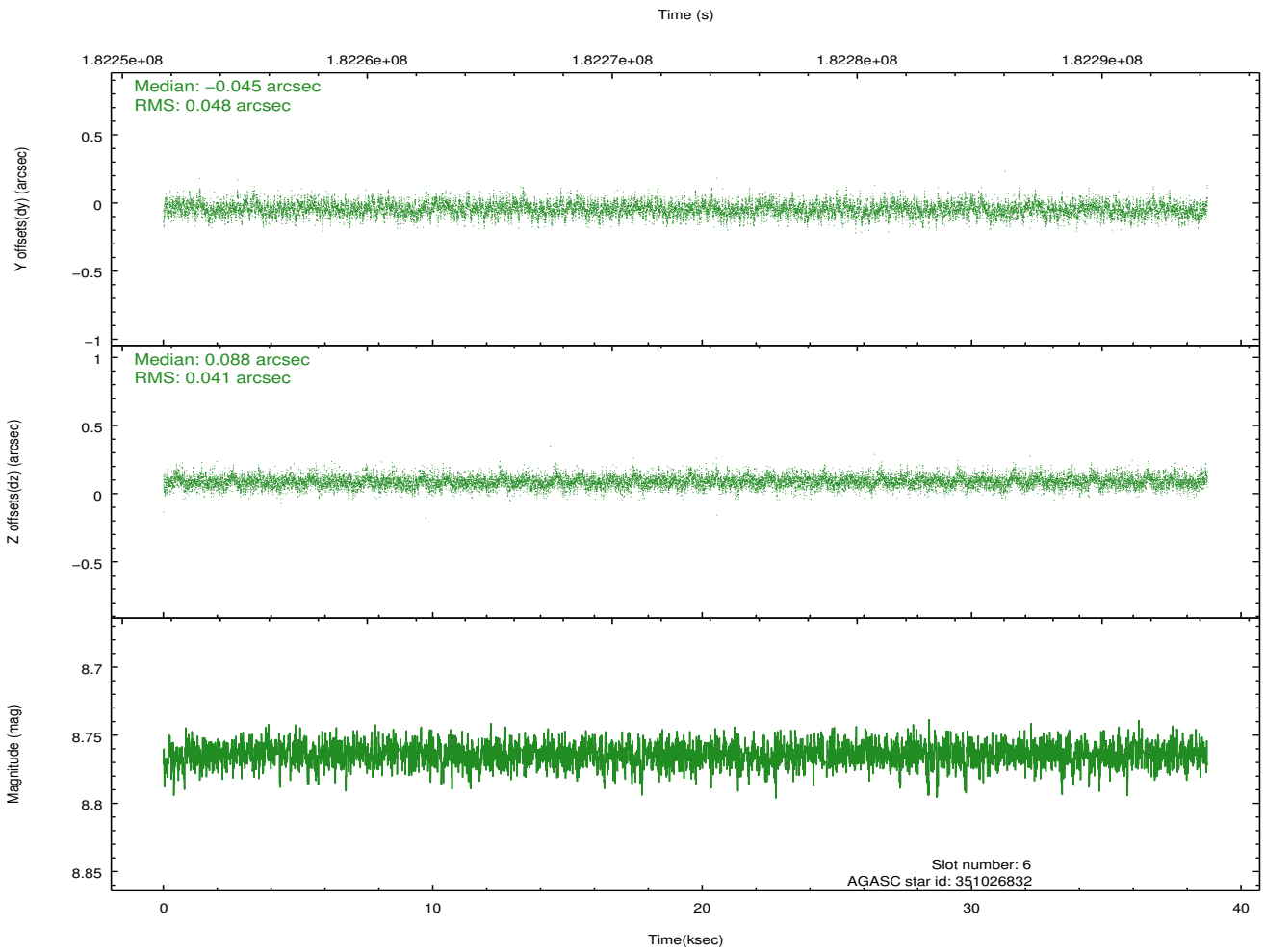
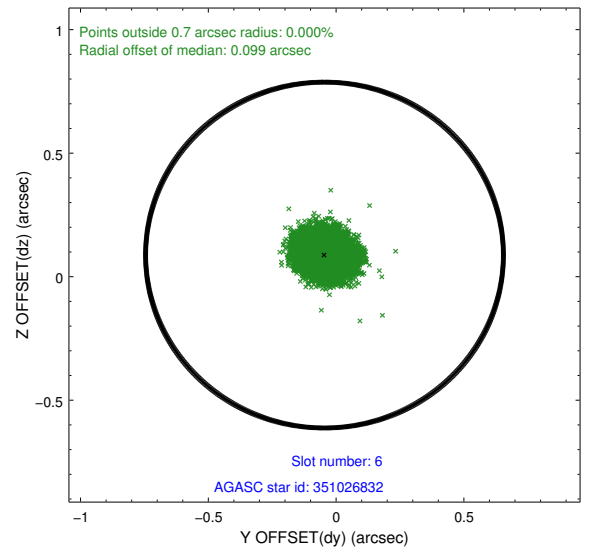
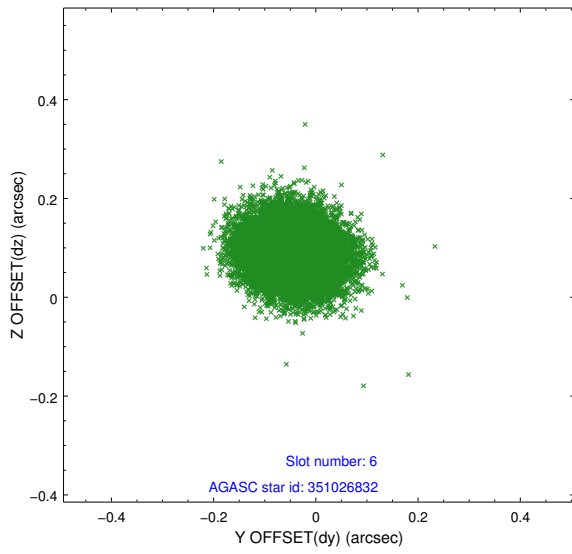
2.4.2 Slot 4



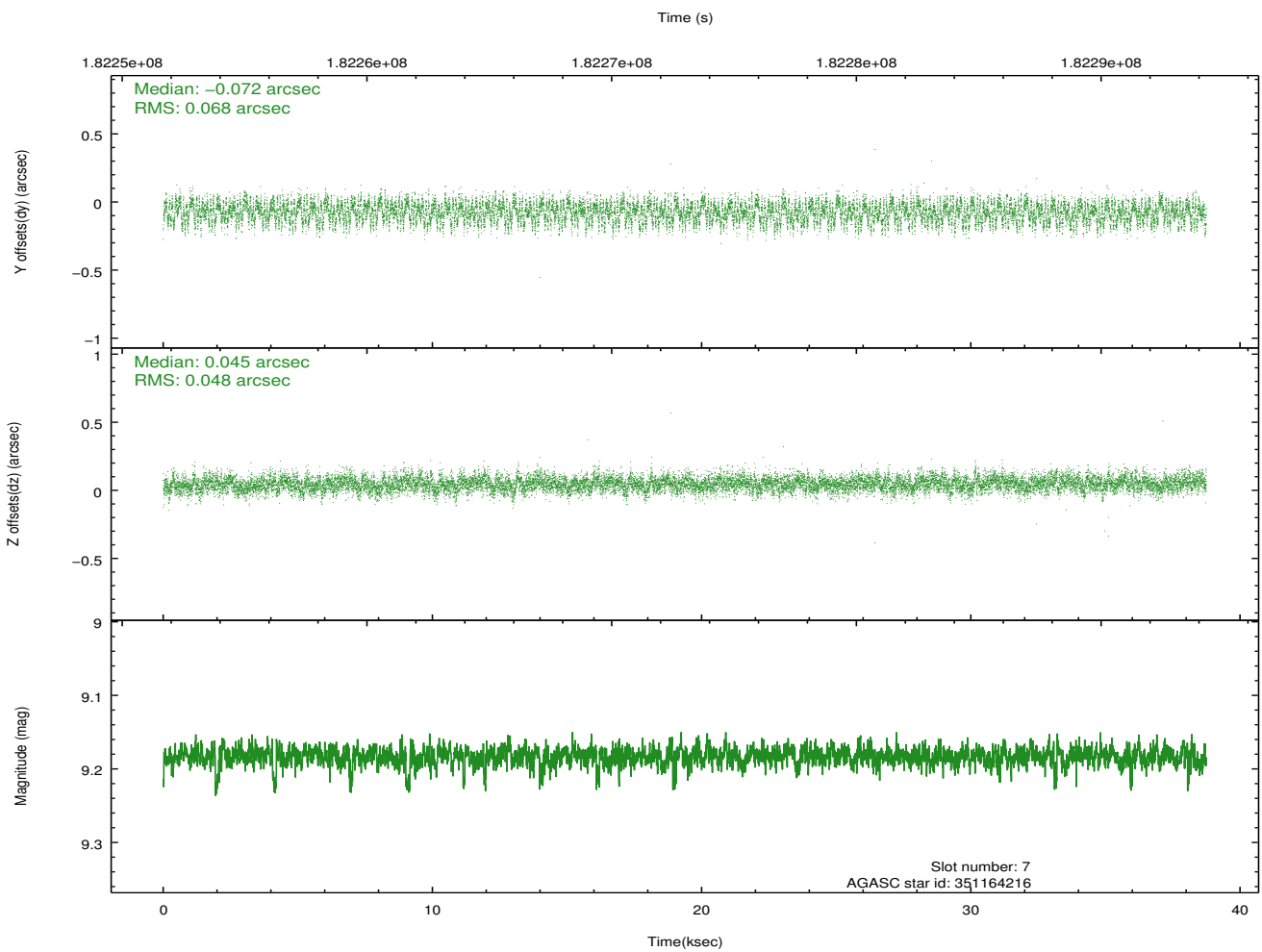
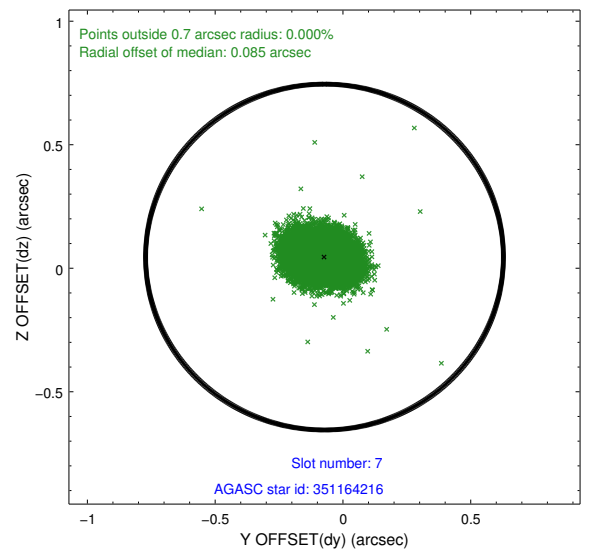
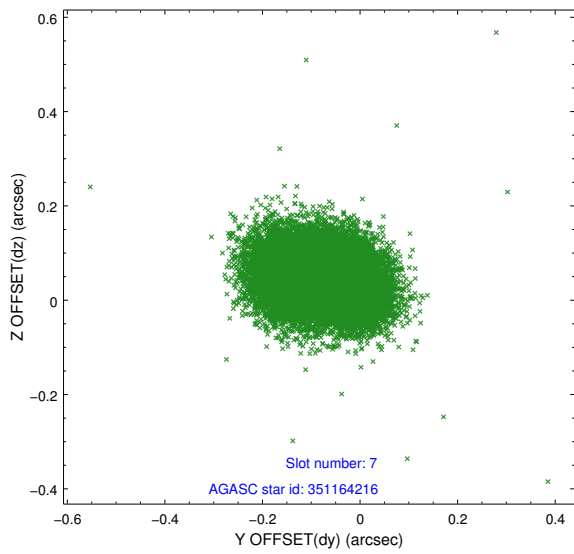
2.4.3 Slot 5



2.4.4 Slot 6

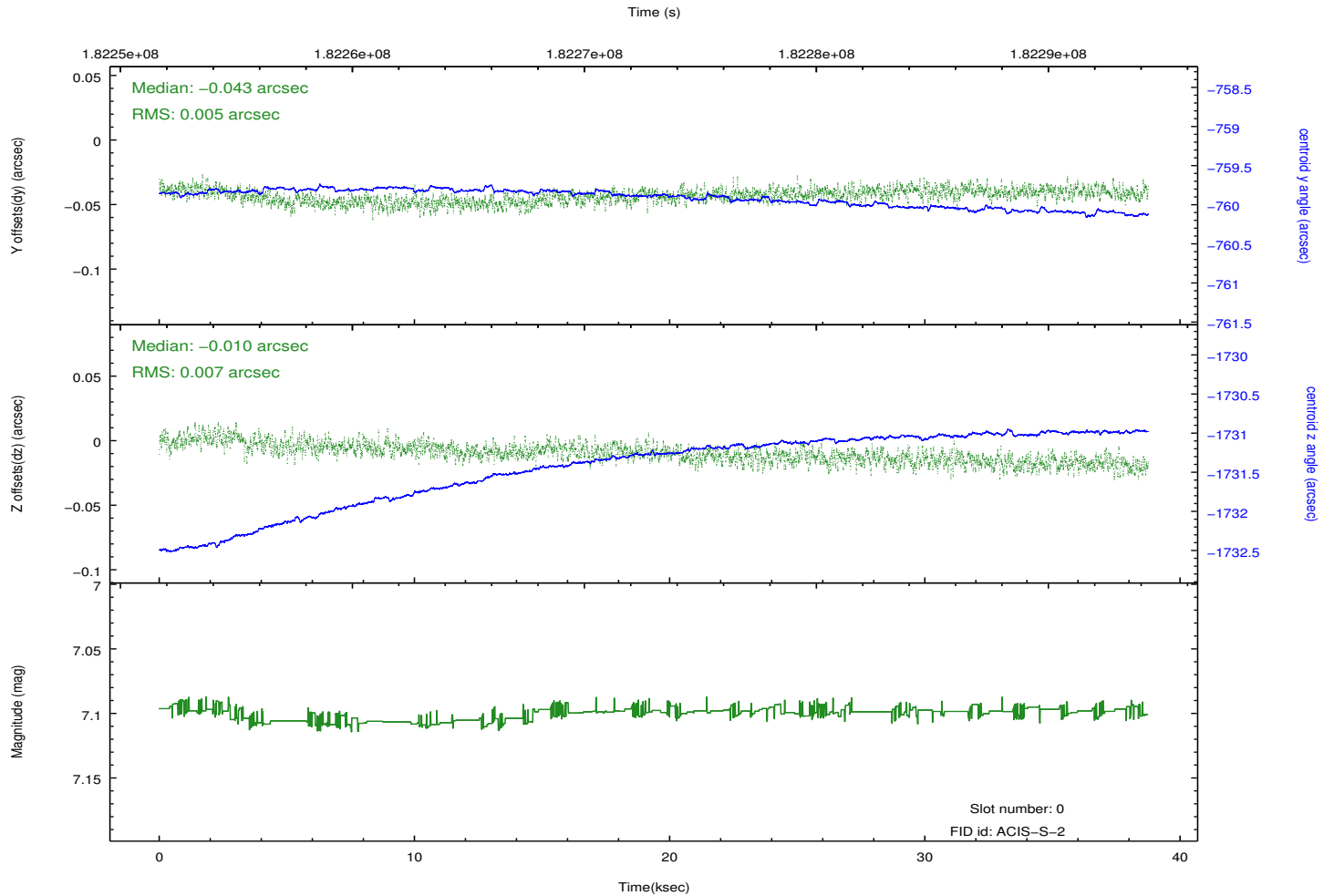
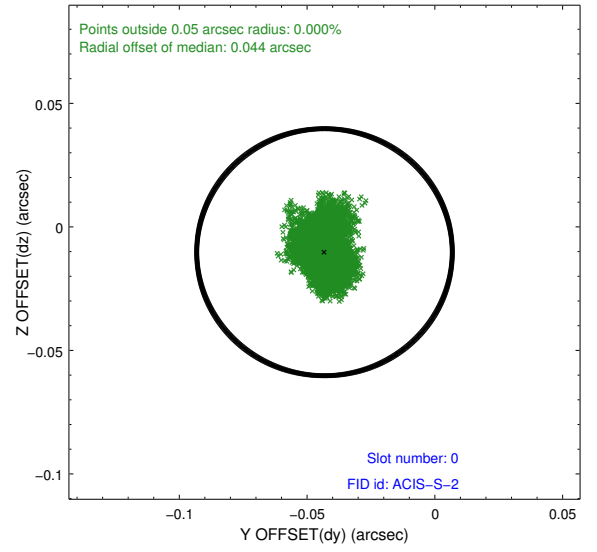
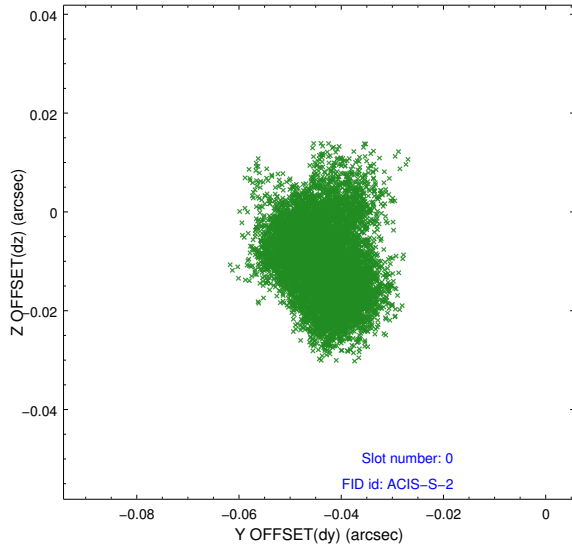


2.4.5 Slot 7

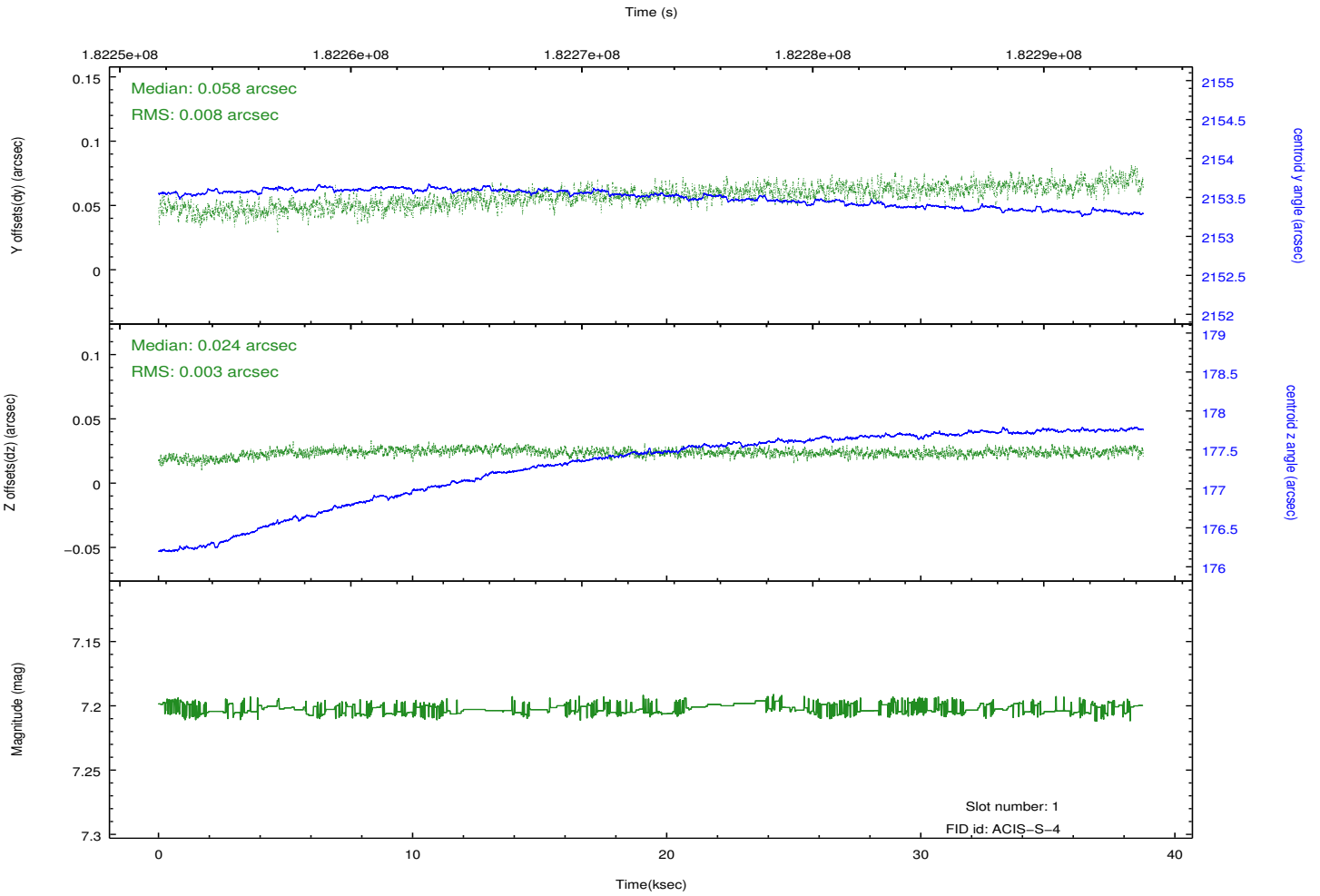
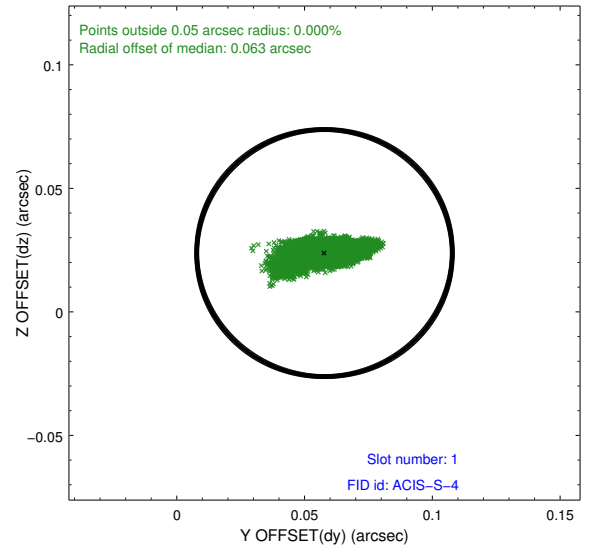
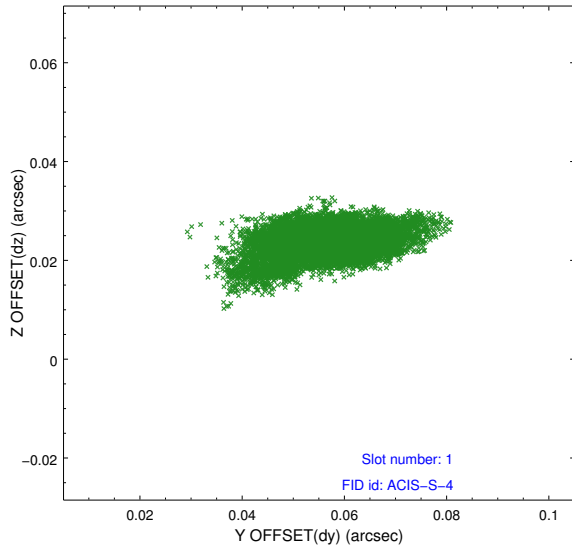


2.5 FID Slots

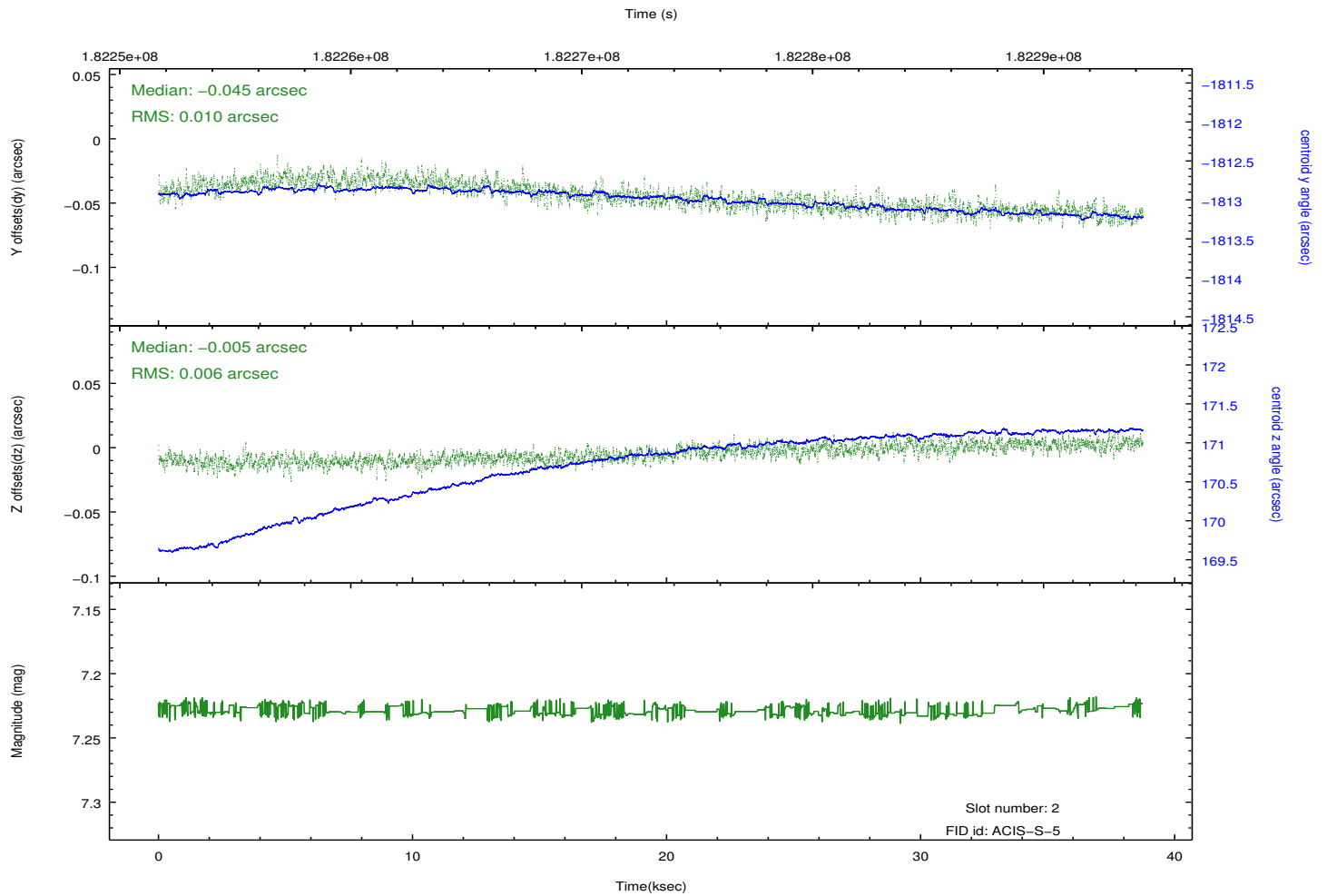
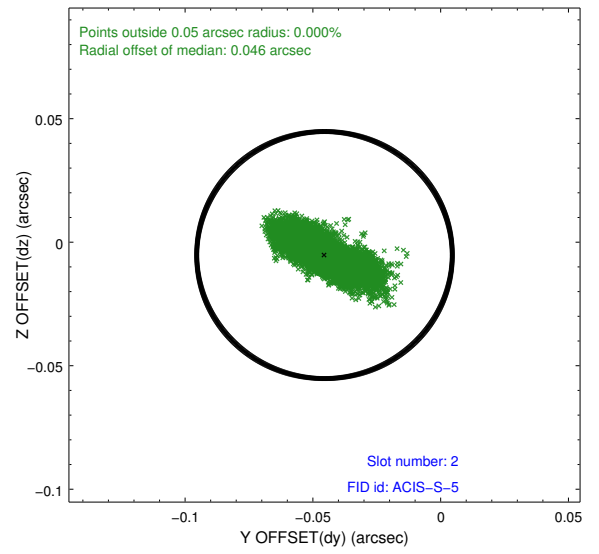
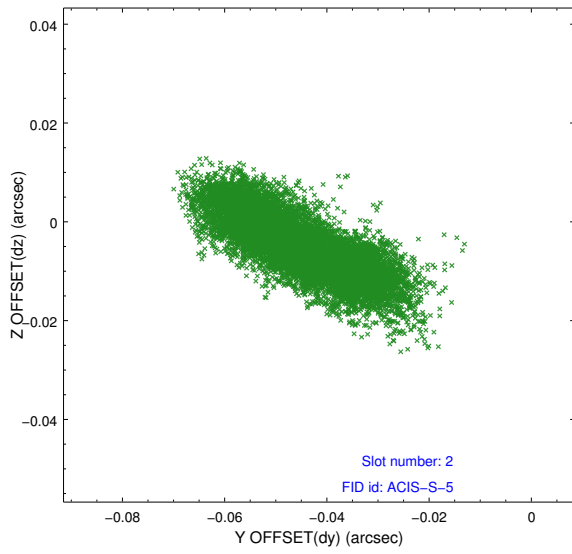
2.5.1 Slot 0



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)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.278

A.2 Comments