

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1537 - L2 Version 3
Chandra X-Ray Center

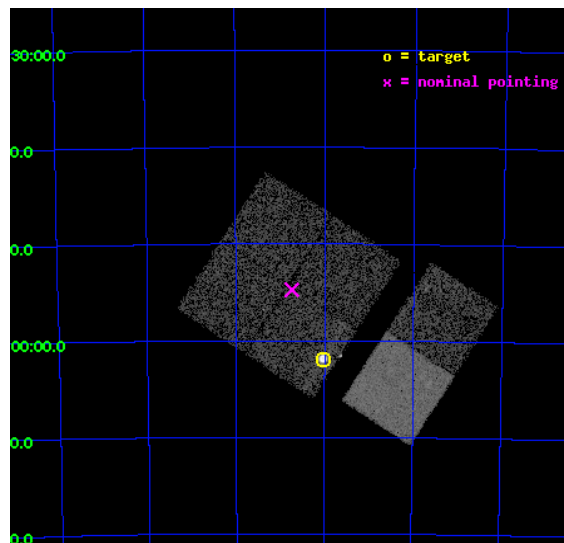
L2 Processing Date : Sep 17 2012

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1 Front

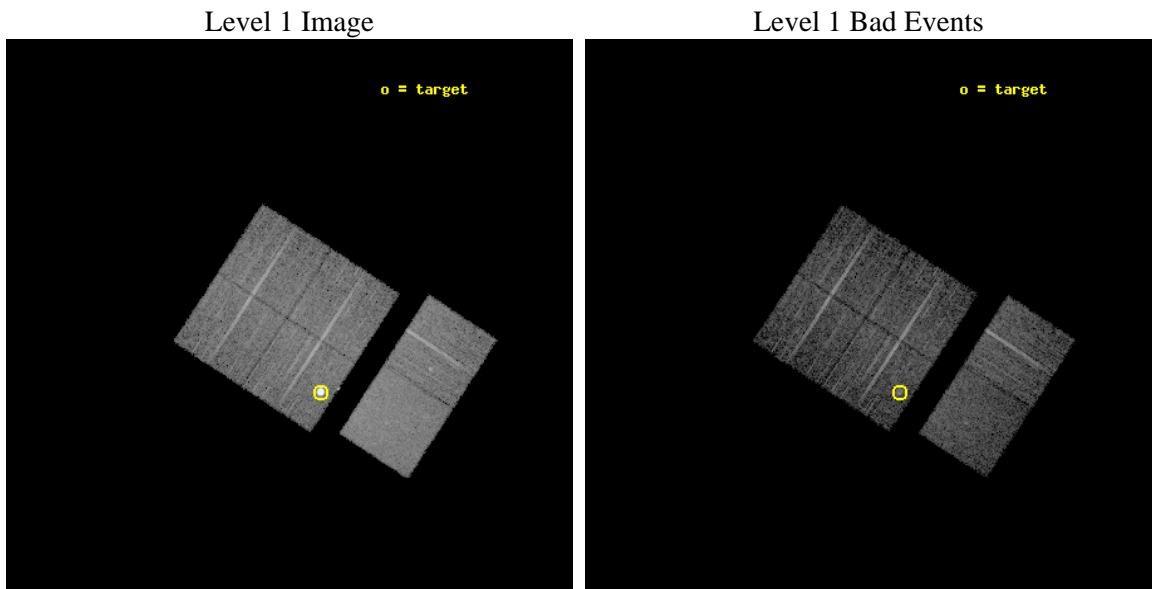
seq_num	590146	Sequence number
obs_id	1537	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=120, Offsets=-4,6,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.184607126716	Nominal RA [deg]
dec_nom	-71.91256772831	Nominal Dec [deg]
roll_nom	123.13688466924	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7513.3865567595	Sum of GTIs [s]
livetime	7418.2475321595	Livetime [s]
ontime0	7513.2634367645	Sum of GTIs [s]
ontime1	7513.3044767678	Sum of GTIs [s]
ontime2	7513.3455167711	Sum of GTIs [s]
ontime3	7513.3865567595	Sum of GTIs [s]
ontime6	7513.4686367661	Sum of GTIs [s]
ontime7	7513.4275967628	Sum of GTIs [s]
l2events	71987	Number of level 2 events



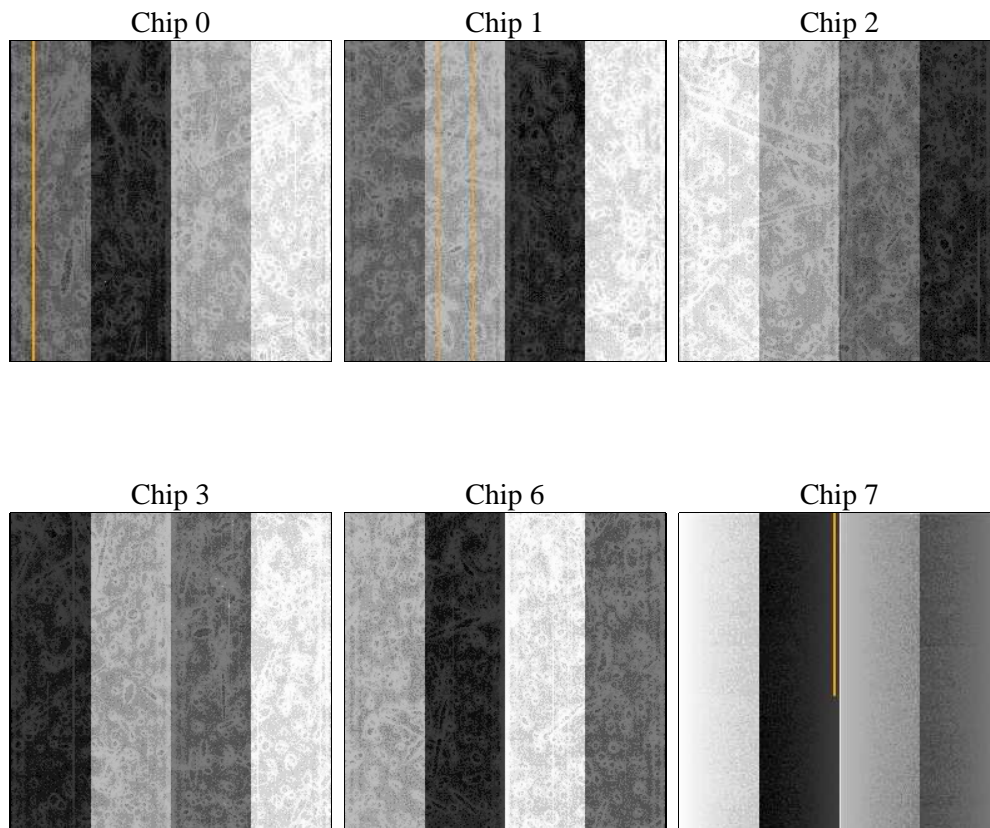
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7755.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7513.3865567595	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	7513.2634367645	Sum of GTIs [s]
date	2012-09-17T18:01:32	Date and time of file creation	ontime1	7513.3044767678	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7513.3455167711	Sum of GTIs [s]
			ontime3	7513.3865567595	Sum of GTIs [s]
			ontime6	7513.4686367661	Sum of GTIs [s]
			ontime7	7513.4275967628	Sum of GTIs [s]
			l1events	325236	Number of level 1 events

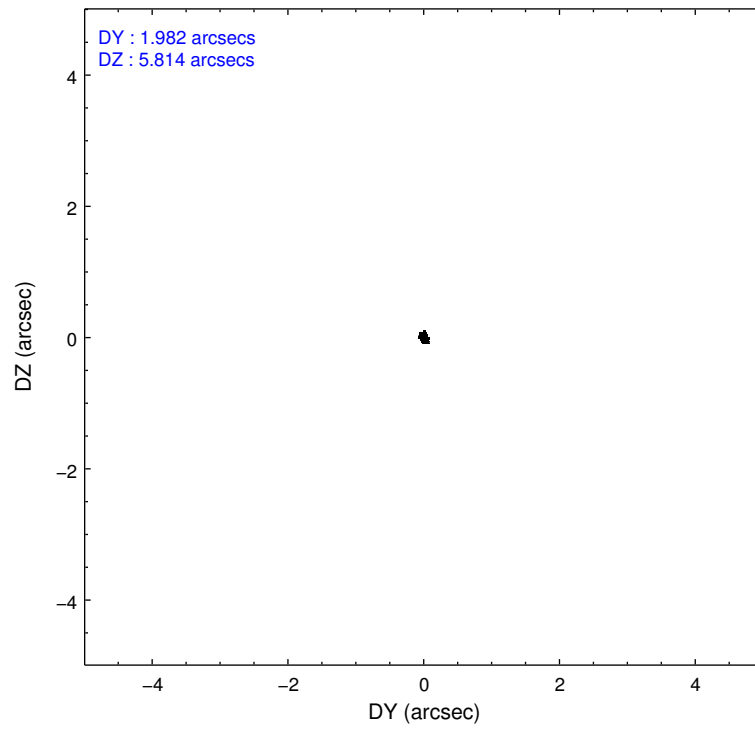
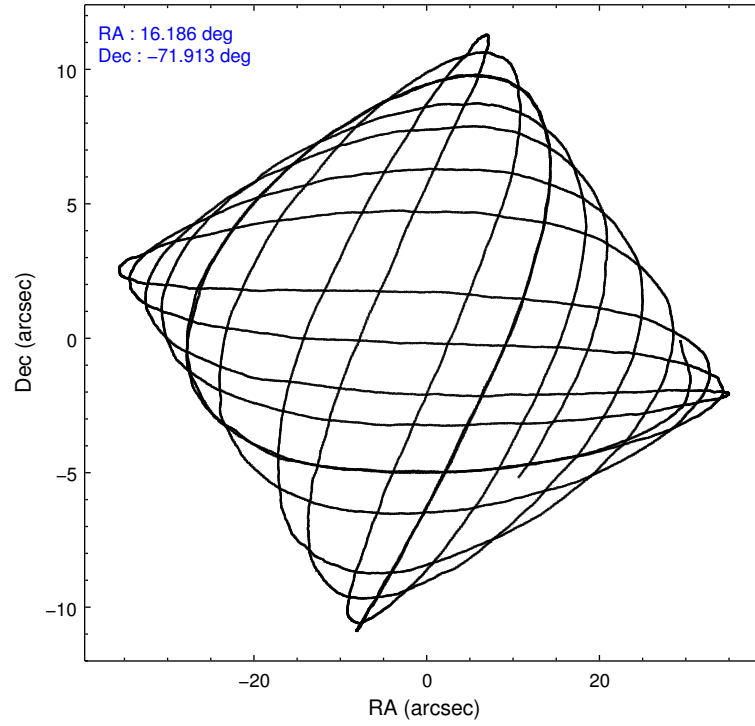
2.1.4 Events

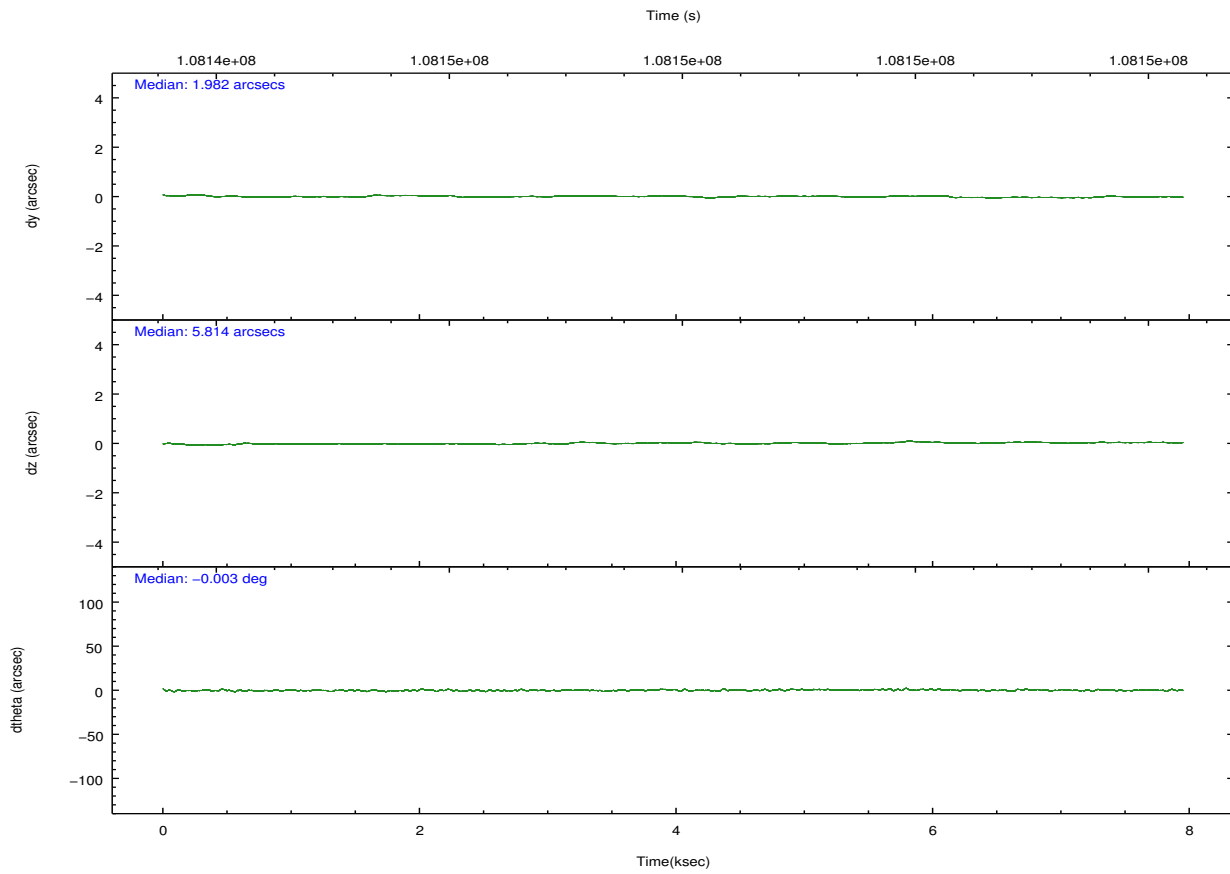
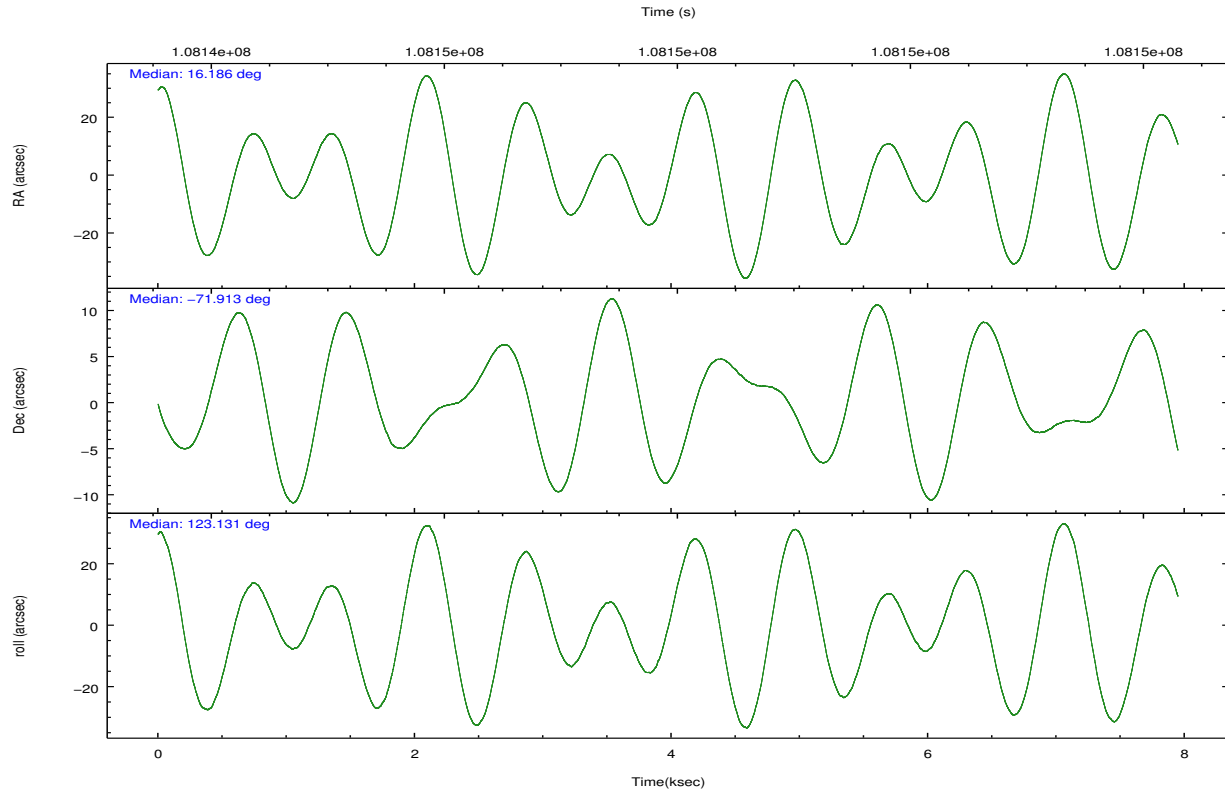
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	44835	44068	48394	71288	53003	63648	grade 0 events	2492	2408	2349	22243	2747	2613
rejected events	39067	38160	42885	43269	46850	37090		5%	5%	4%	31%	5%	4%
rejected %	87%	86%	88%	60%	88%	58%	grade 1 events	29	27	29	192	28	57
								0%	0%	0%	0%	0%	0%
							grade 2 events	1206	1177	1175	2768	1169	5247
								2%	2%	2%	3%	2%	8%
							grade 3 events	585	589	528	904	550	2412
								1%	1%	1%	1%	1%	3%
							grade 4 events	526	626	530	1005	557	2426
								1%	1%	1%	1%	1%	3%
							grade 5 events	1760	1892	1698	1896	2167	5932
								3%	4%	3%	2%	4%	9%
							grade 6 events	967	1110	930	1121	1136	13890
								2%	2%	1%	1%	2%	21%
							grade 7 events	37270	36239	41155	41159	44649	31071
								83%	82%	85%	57%	84%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.263510	16.18460712671595	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.924946	-71.91256772830964	Alternating exposures requested	N	N
[deg] Pointing Roll	123.003207	123.136884669241	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	107740864.184000	107740864.184000			
[s] Window stop time (MET)	110246464.184000	110246464.184000			
[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)	108144140.184000	108143666.6088			
Observation start date	2001-06-05T16:01:16	2001-06-05T15:54:26			
[s] Observation end time (MET)	108151895.184000	108152121.83413			
Observation end date	2001-06-05T18:10:31	2001-06-05T18:15:21			
Read mode	TIMED	TIMED			

2.3 Aspect



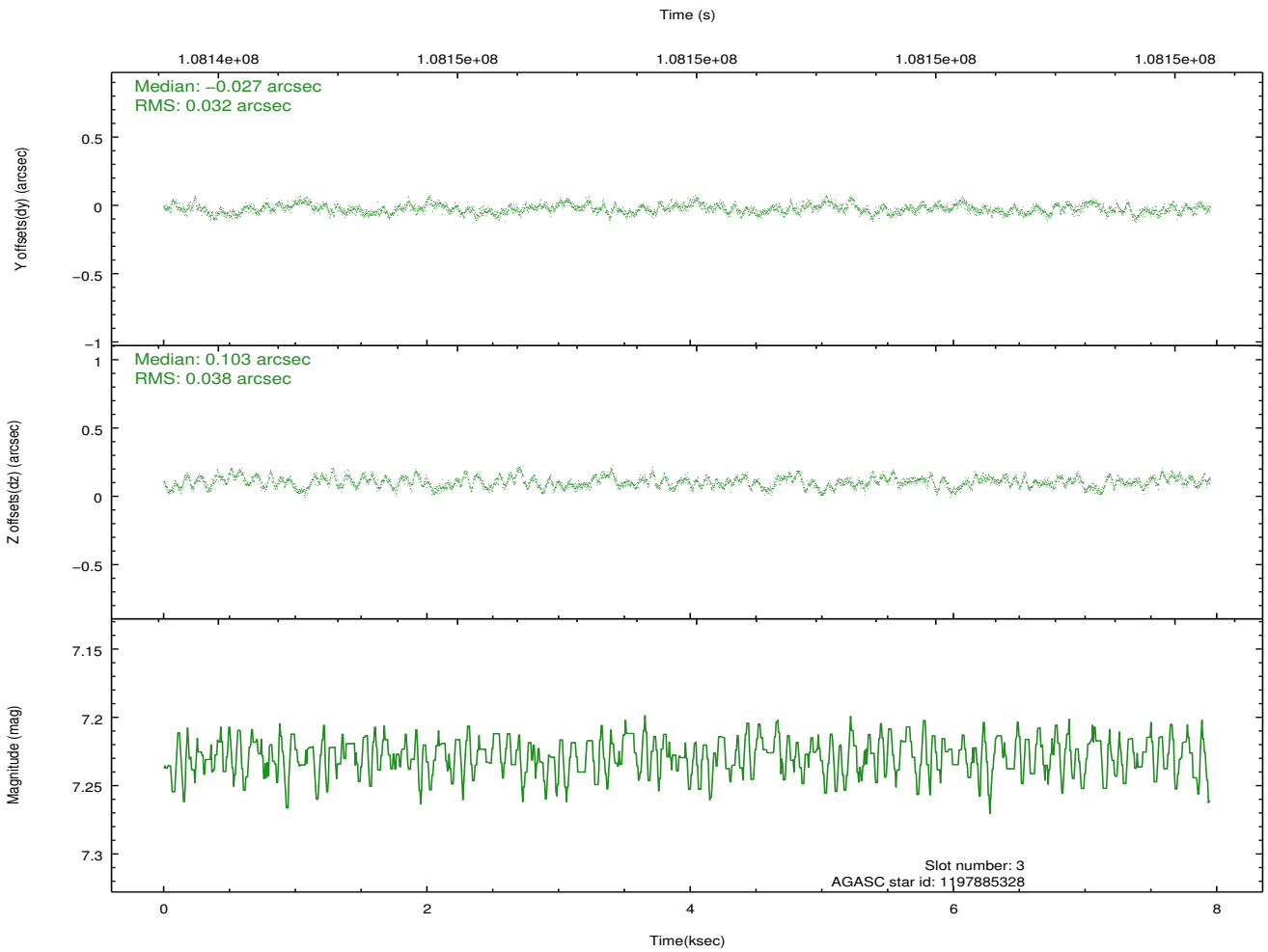
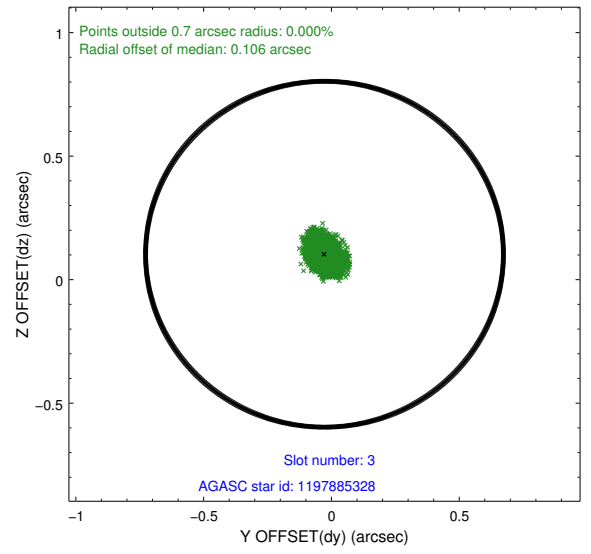
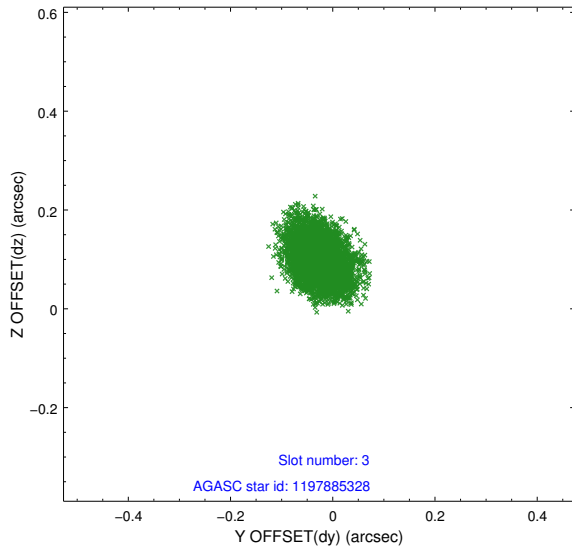


Slot Statistics

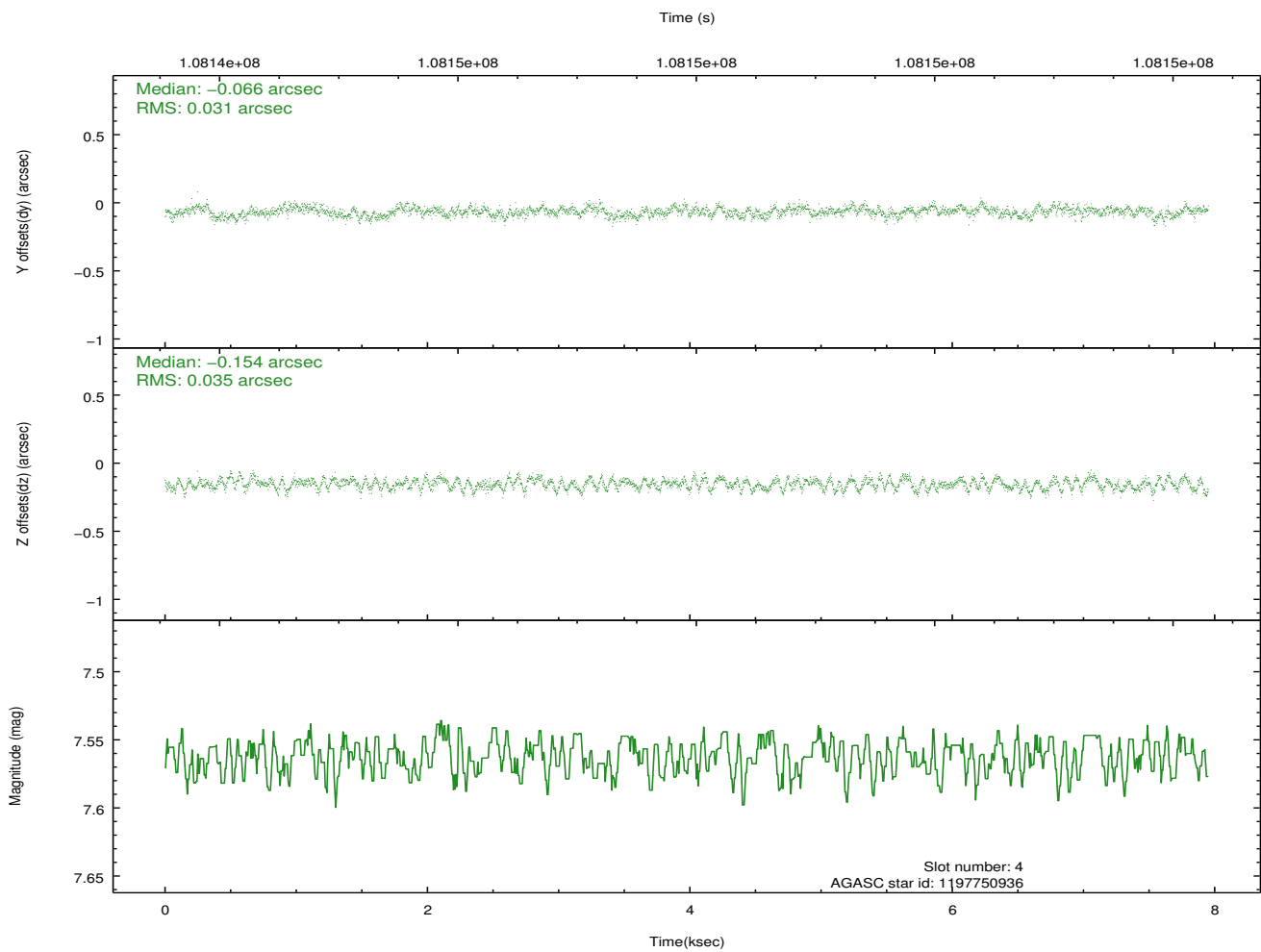
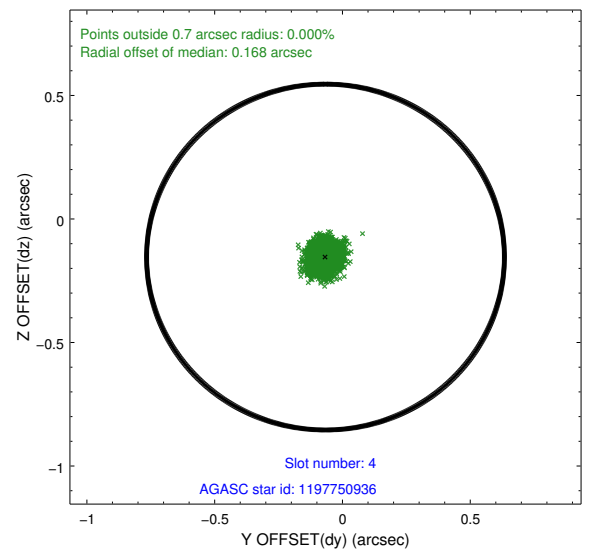
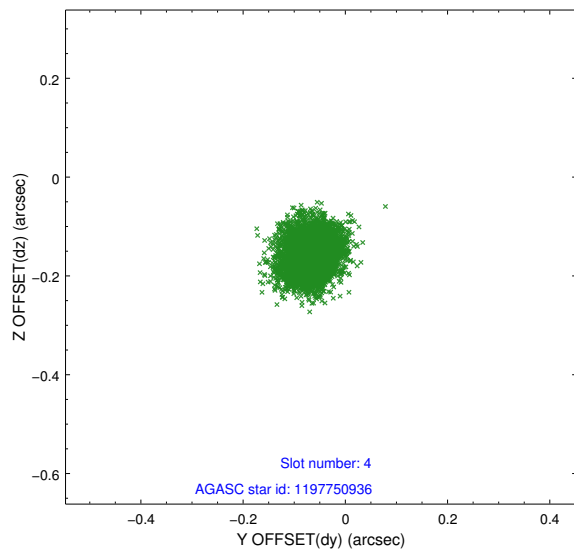
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1937	-0.036	-0.064	0.009	0.015	0.000000	0.000000	-756.36	-835.61
1	FID	ACIS-I-4	7.18	1938	-0.009	0.046	0.006	0.010	0.000000	0.000000	2157.39	1070.34
2	FID	ACIS-I-5	7.23	1939	-0.056	0.087	0.009	0.015	0.000000	0.000000	-1809.31	1069.01
3	GUIDE	1197885328	7.23	3879	-0.027	0.103	0.054	0.087	16.283090	-71.733943	565.64	-392.41
4	GUIDE	1197750936	7.56	3879	-0.066	-0.154	0.051	0.079	15.387940	-71.549550	1671.67	105.03
5	GUIDE	1197884536	8.50	3878	0.089	0.001	0.062	0.098	17.160729	-71.835289	-282.39	-1015.53
6	GUIDE	1197884712	8.31	3877	0.034	-0.045	0.052	0.084	16.087398	-72.252690	-883.59	805.12
7	GUIDE	1197878768	9.61	3876	-0.029	0.091	0.110	0.178	16.656786	-71.304581	1625.54	-1595.20

2.4 Star Slots

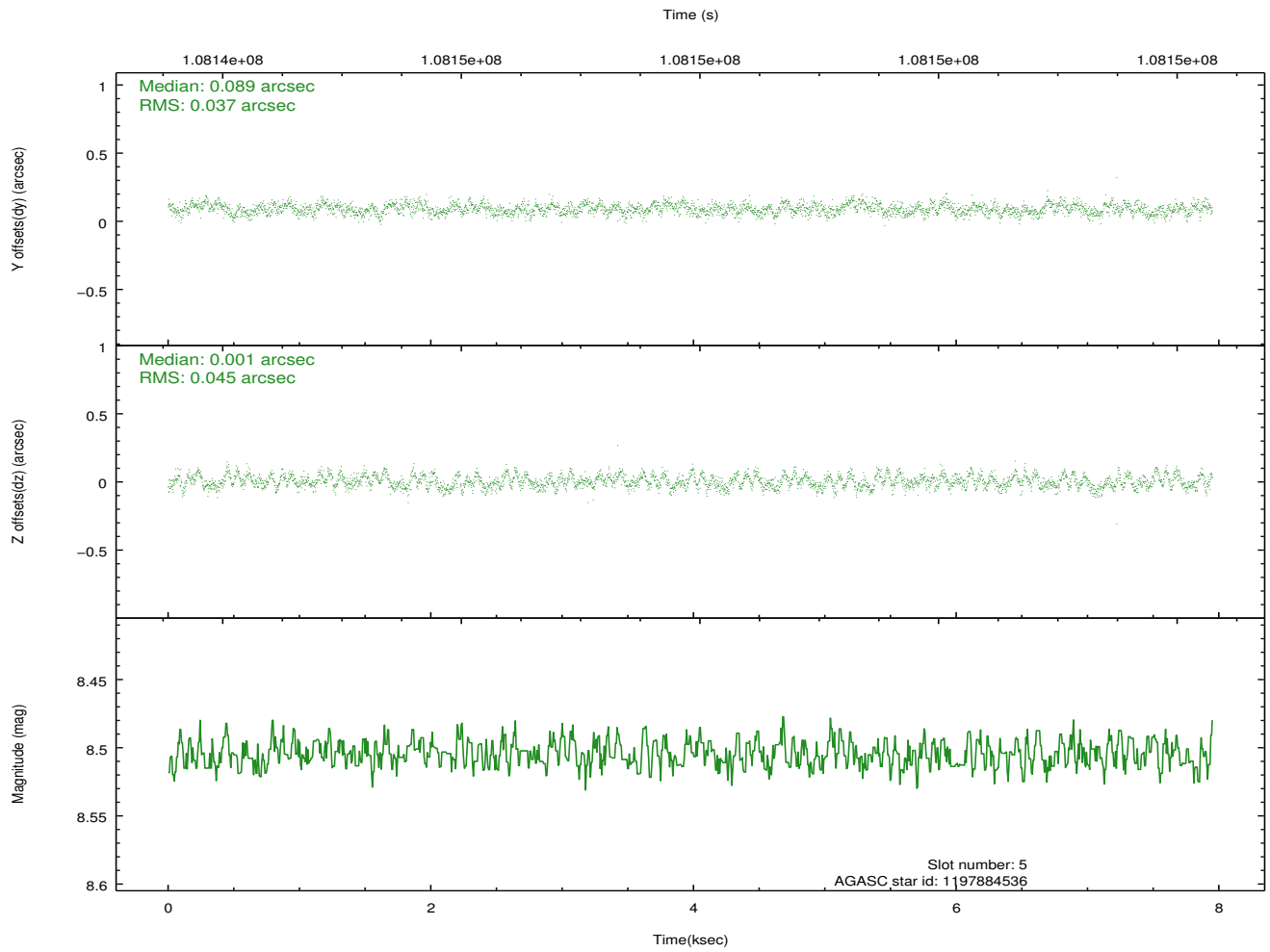
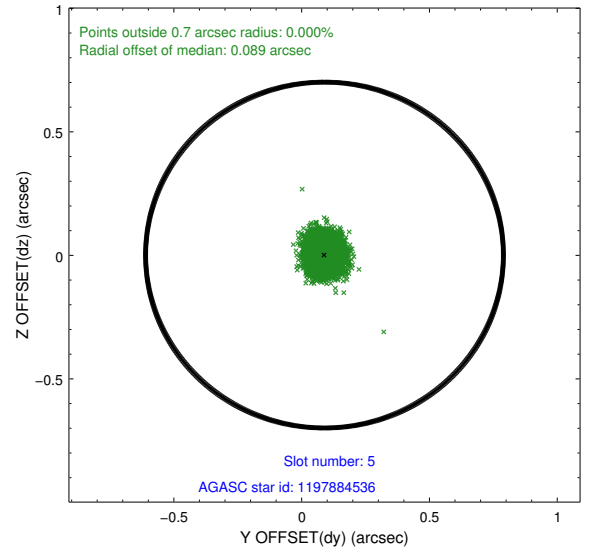
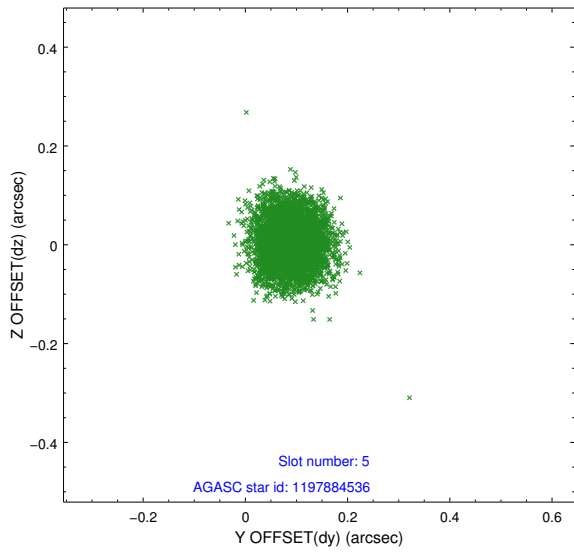
2.4.1 Slot 3



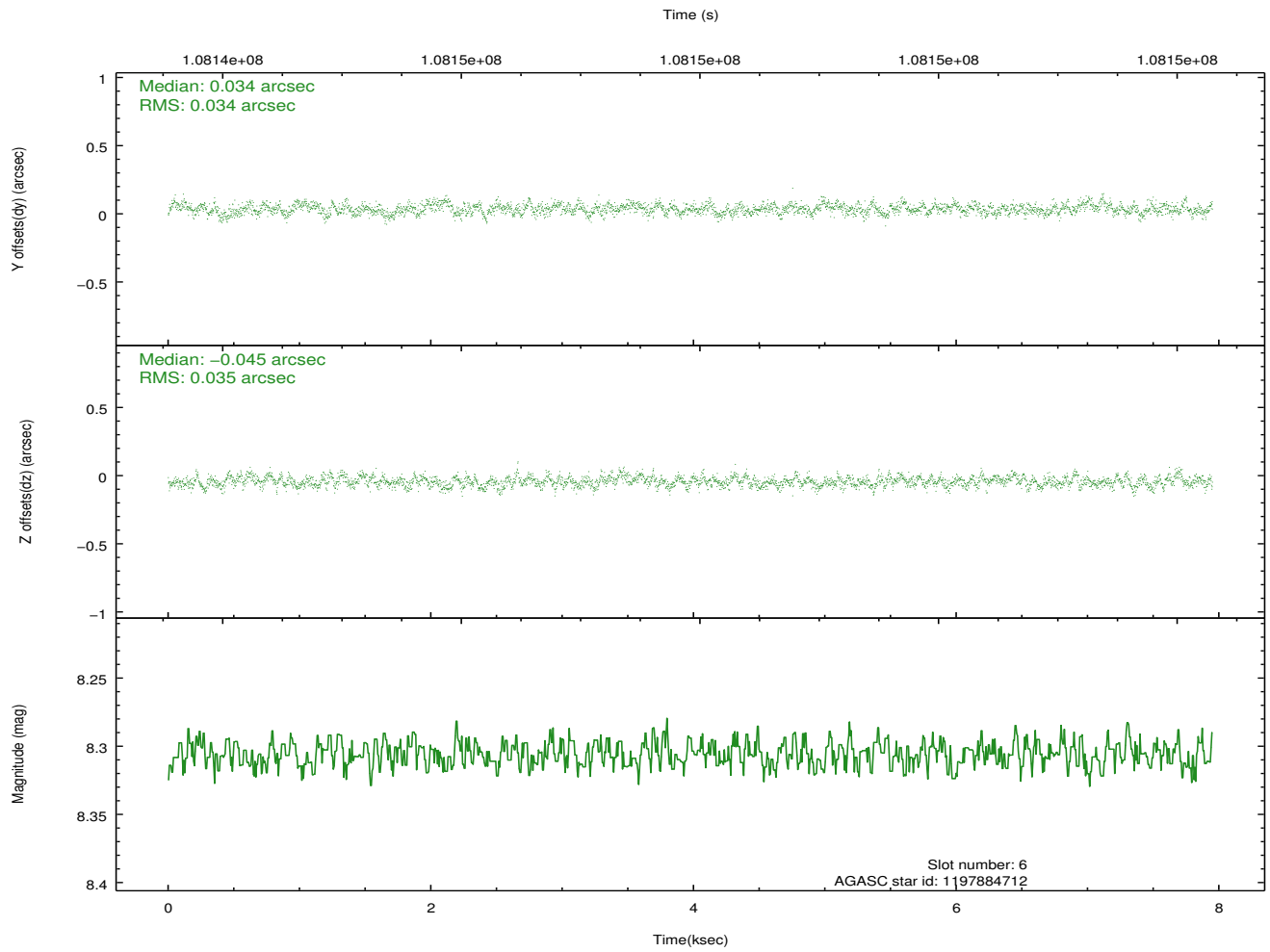
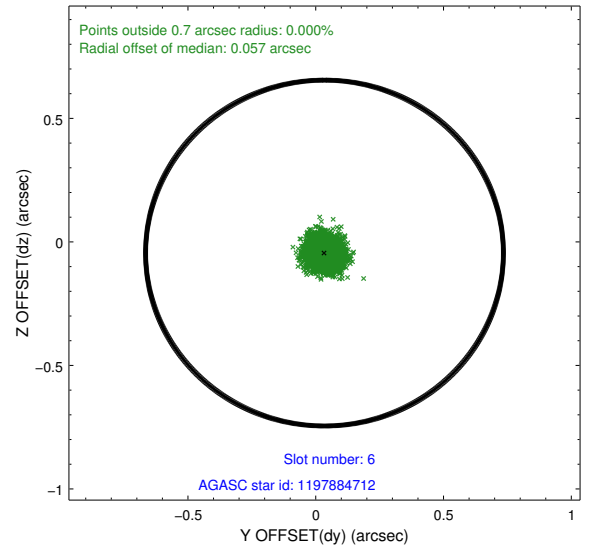
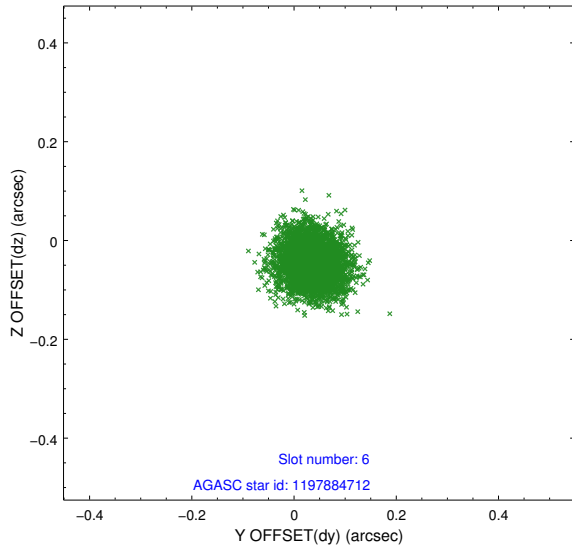
2.4.2 Slot 4



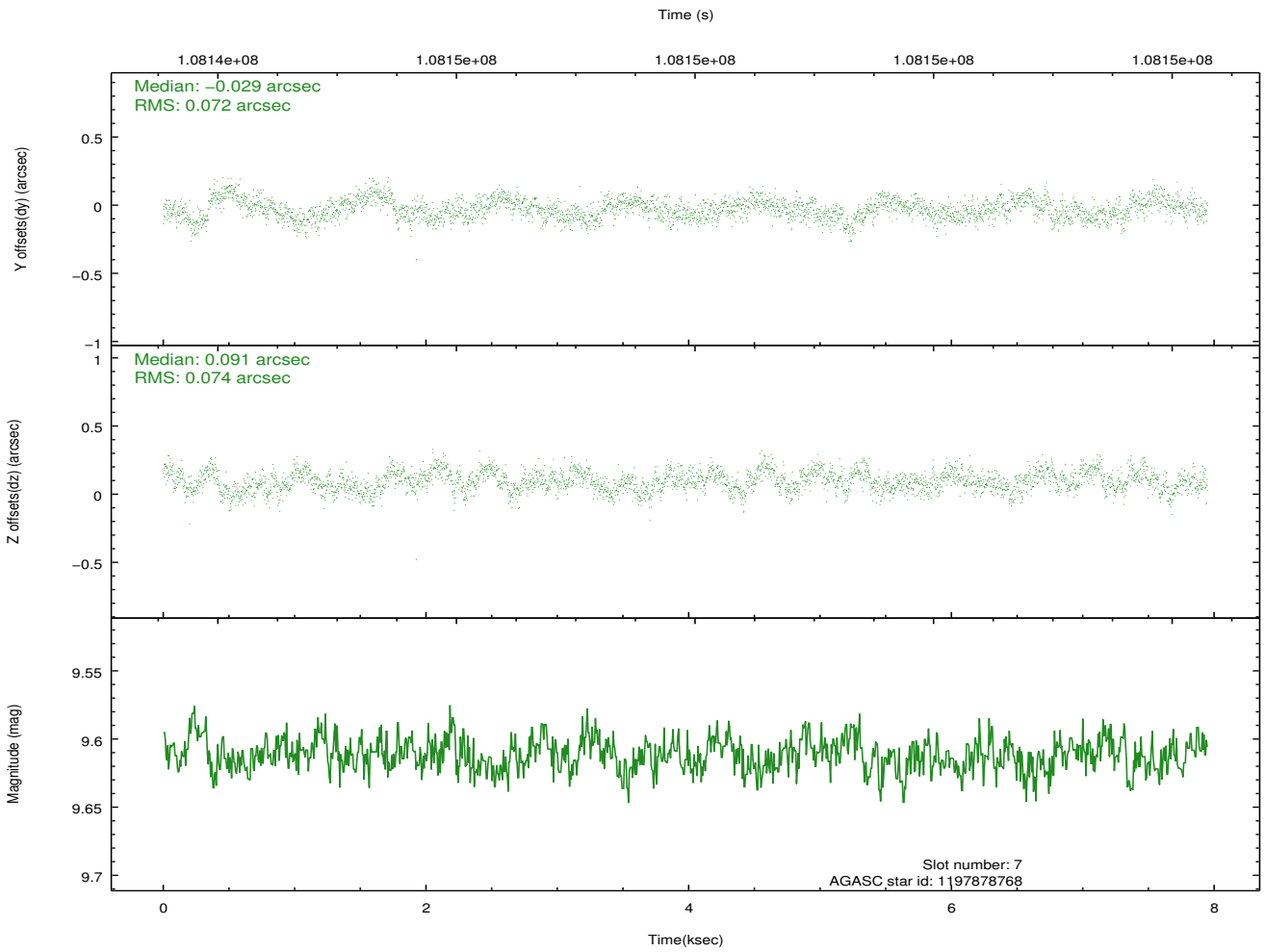
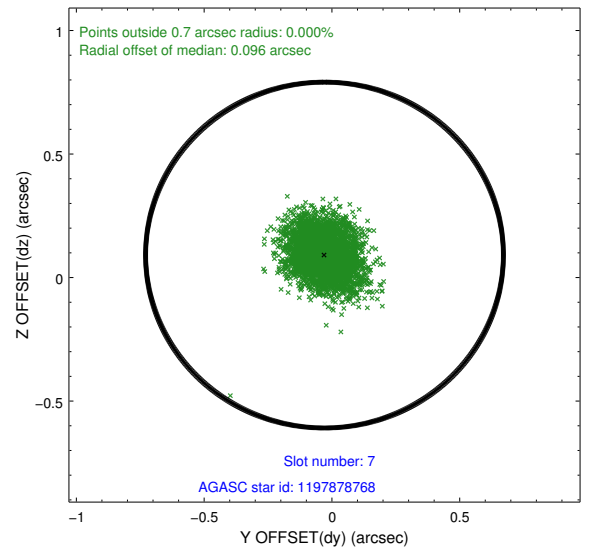
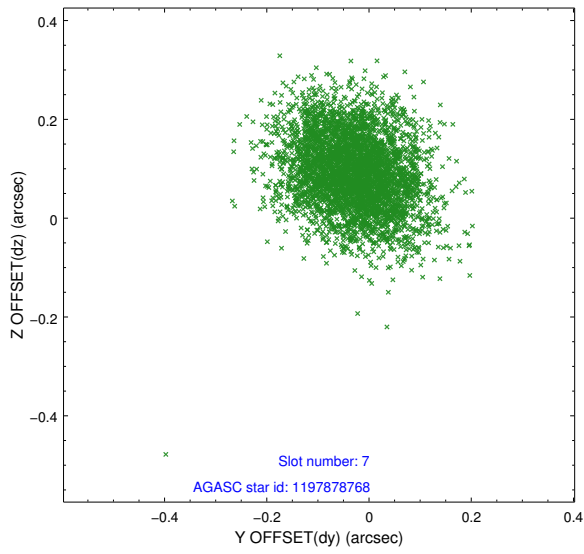
2.4.3 Slot 5



2.4.4 Slot 6

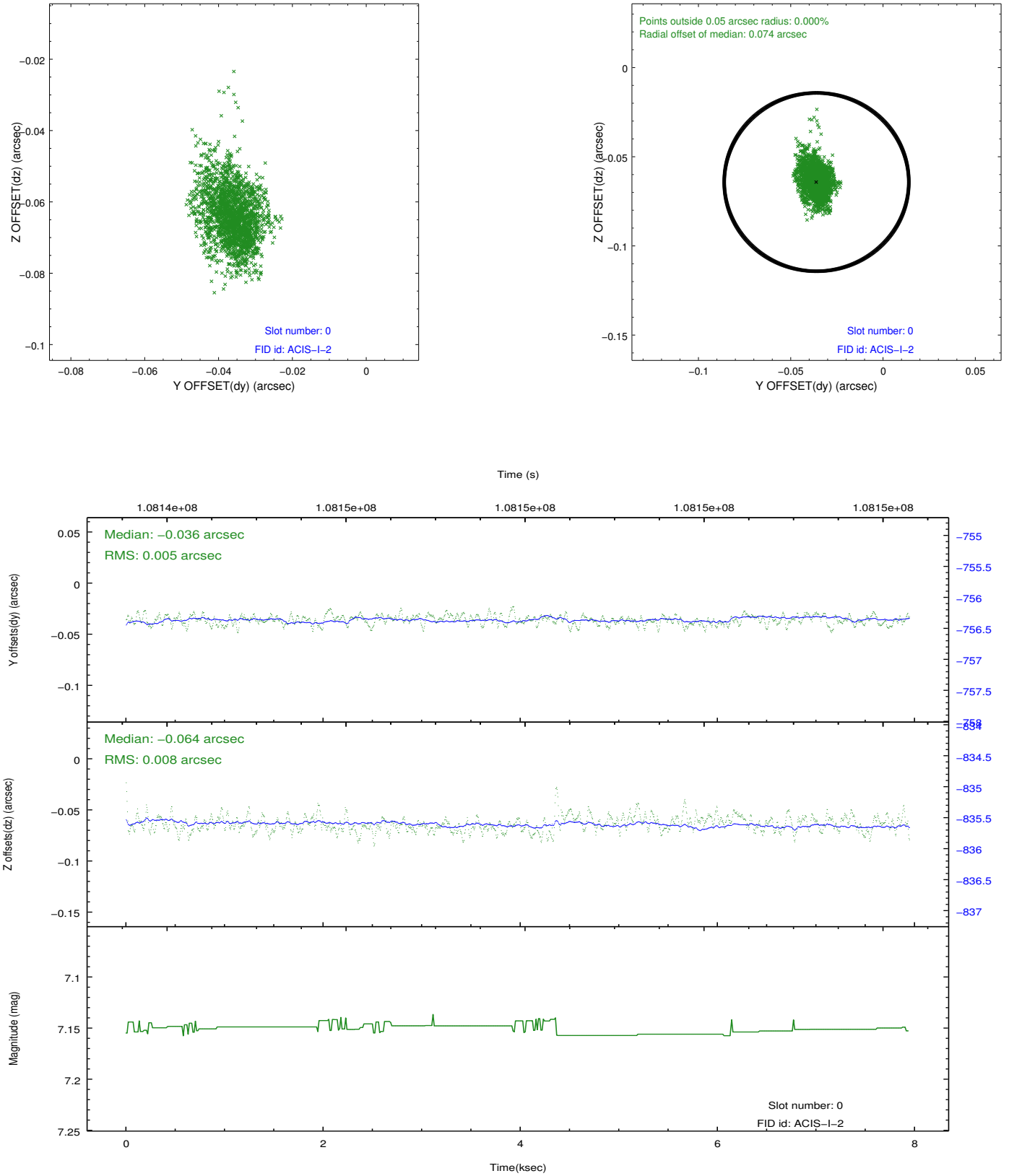


2.4.5 Slot 7

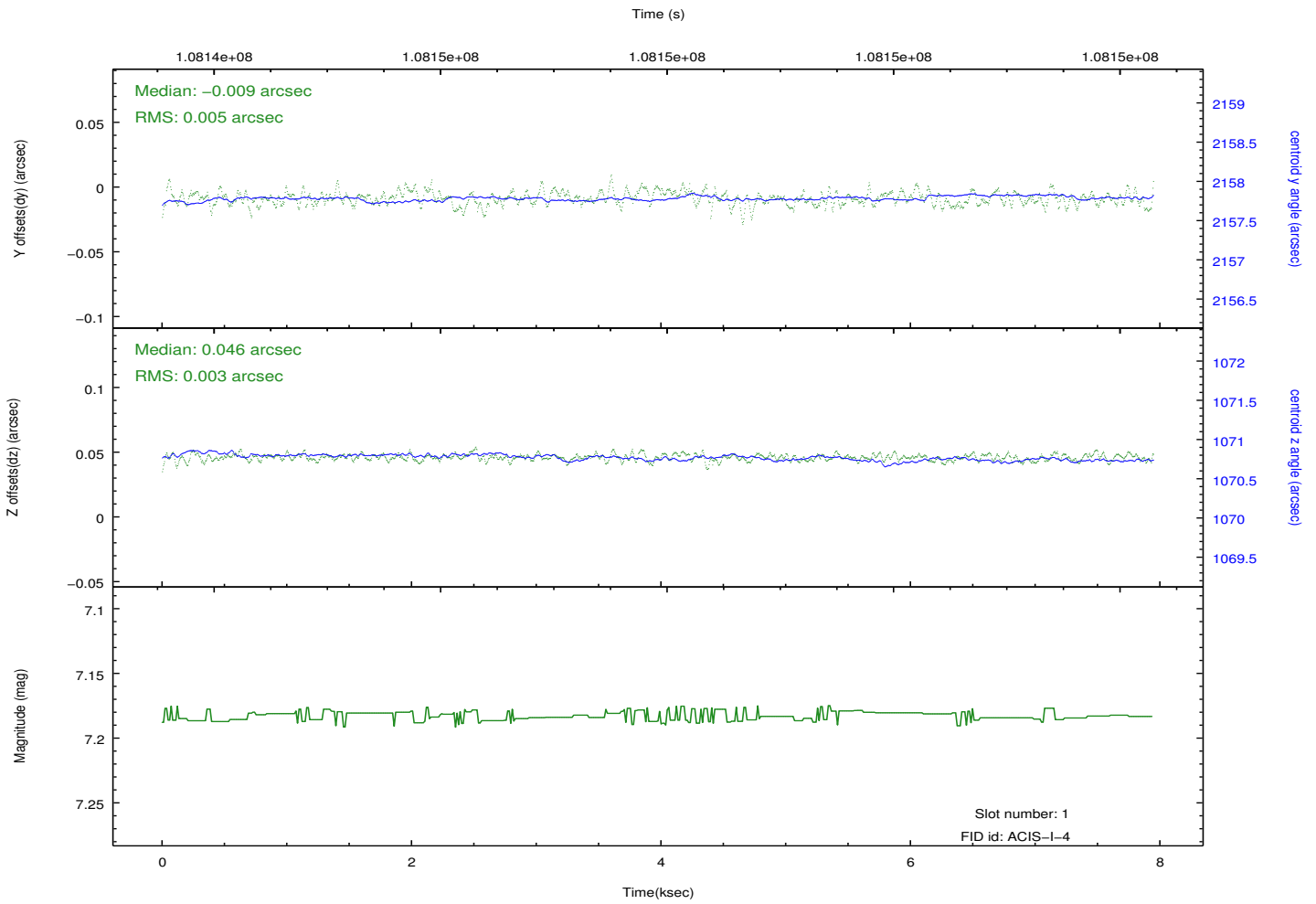
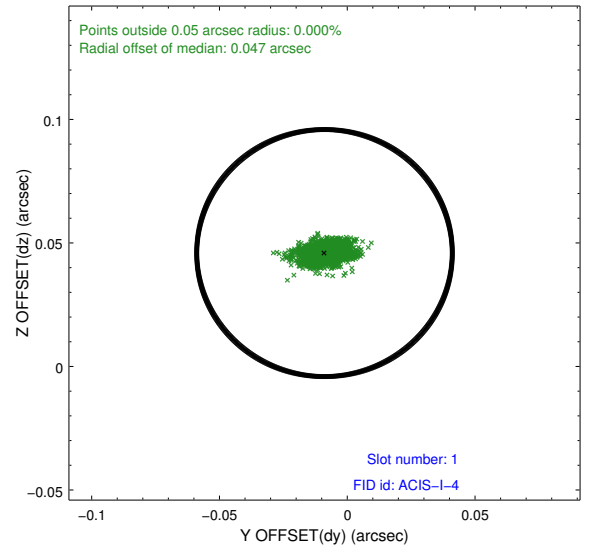
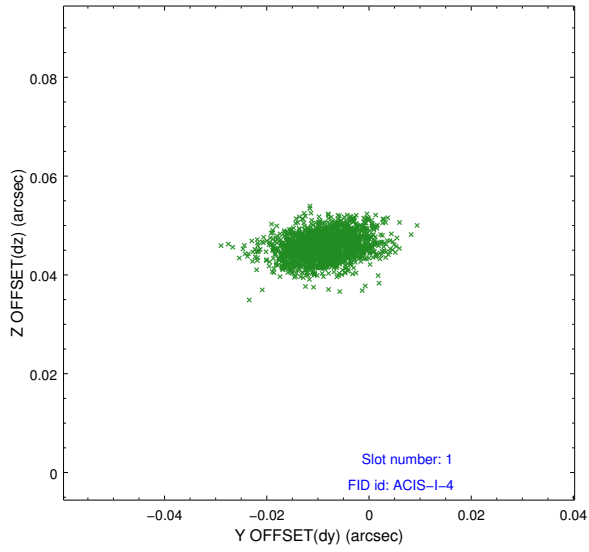


2.5 FID Slots

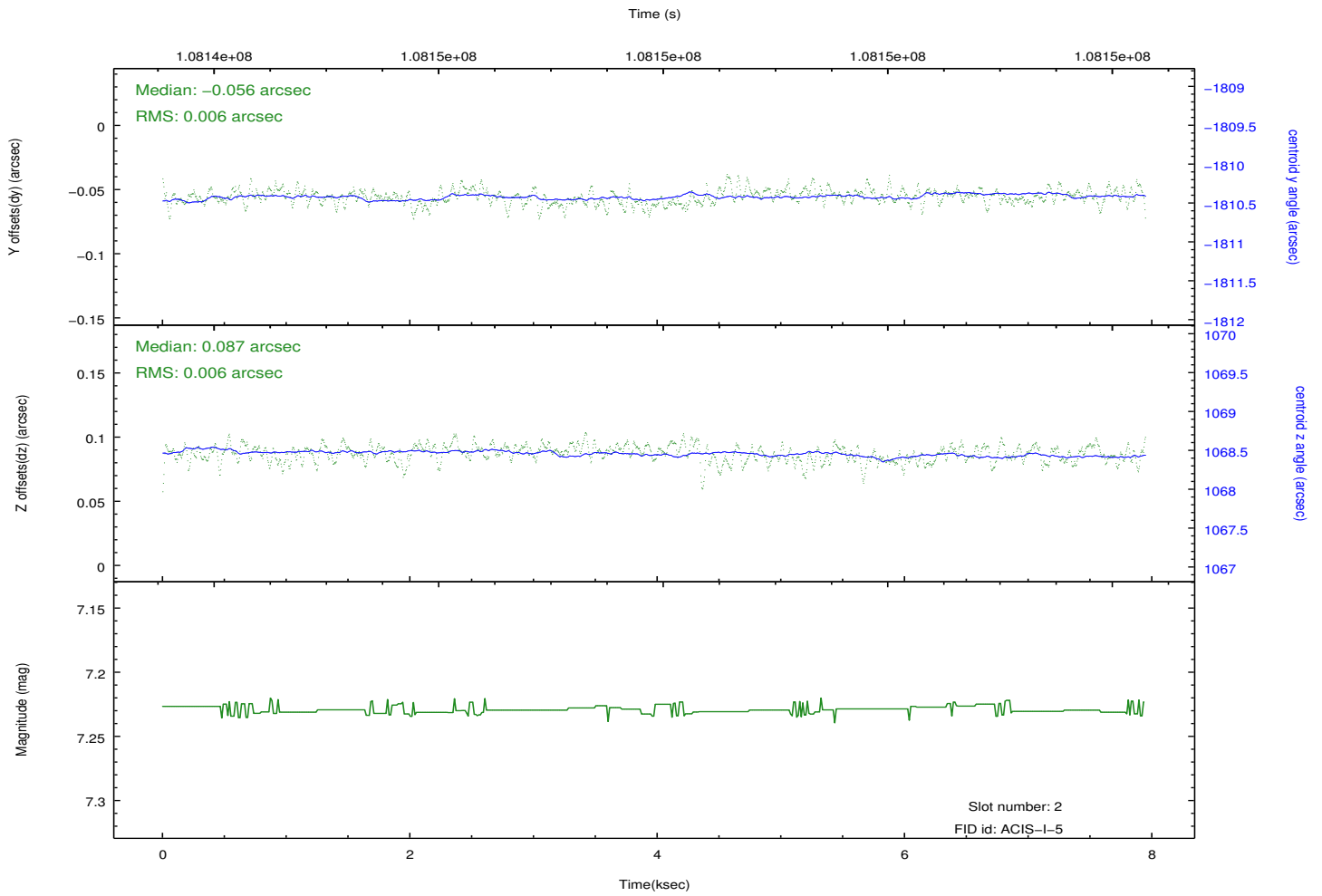
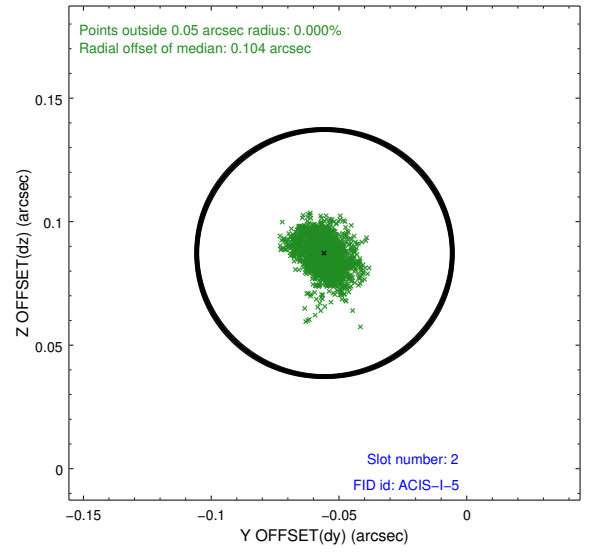
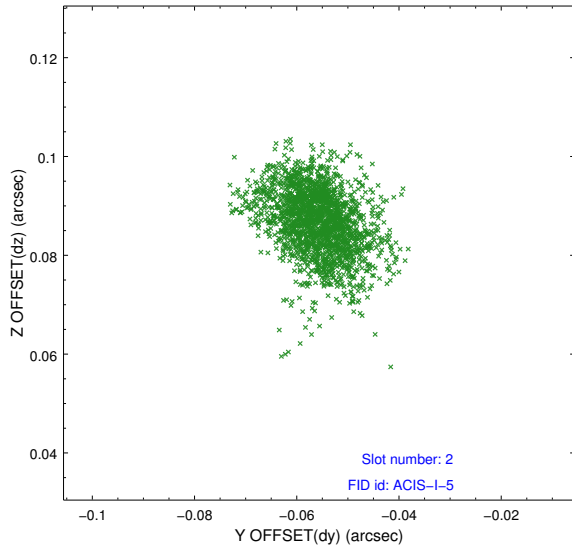
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5

A.2 Comments

Window constraint OK.