

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1536 - L2 Version 3
Chandra X-Ray Center

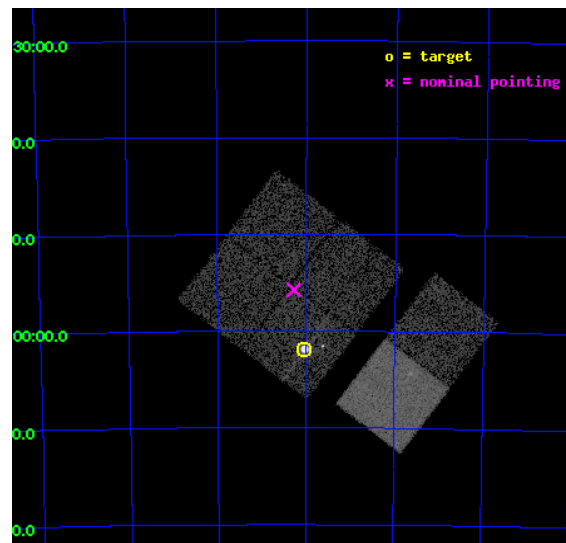
L2 Processing Date : Sep 17 2012

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1 Front

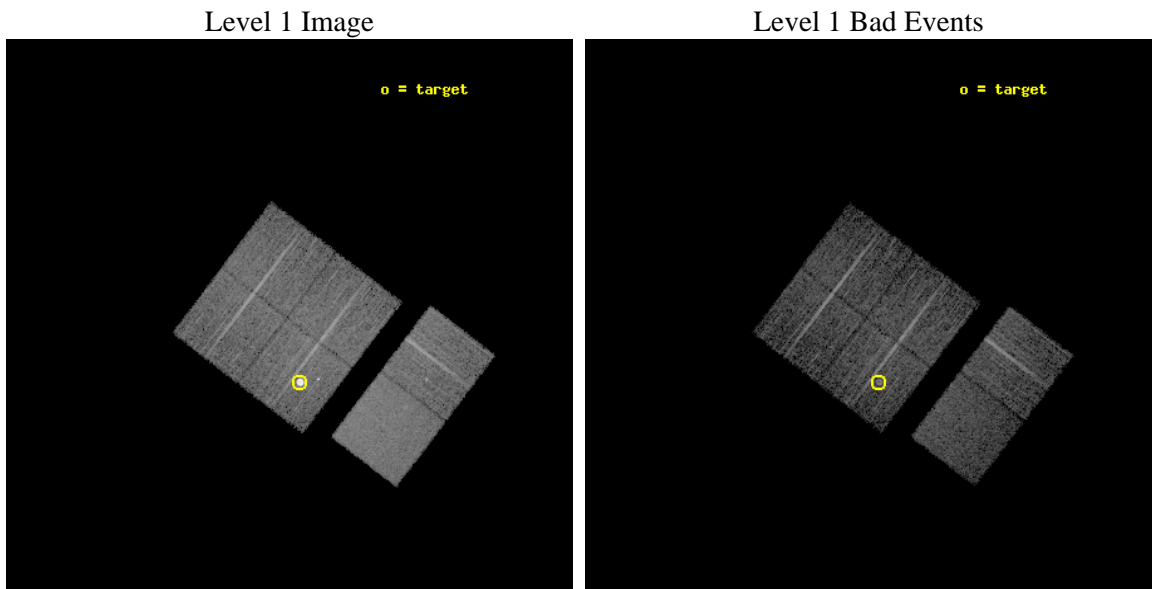
seq_num	590145	Sequence number
obs_id	1536	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I3, T=120, Offsets=-4,4,0]	Source name
dtcycle	0	
cycle	P	events from which 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	16.069800977317	Nominal RA [deg]
dec_nom	-71.929031154414	Nominal Dec [deg]
roll_nom	127.30896604635	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7510.3590666503	Sum of GTIs [s]
livetime	7415.258377953	Livetime [s]
ontime0	7513.6000069827	Sum of GTIs [s]
ontime1	7513.6000069827	Sum of GTIs [s]
ontime2	7513.6000069827	Sum of GTIs [s]
ontime3	7510.3590666503	Sum of GTIs [s]
ontime6	7513.6000069827	Sum of GTIs [s]
ontime7	7510.3590467274	Sum of GTIs [s]
l2events	76890	Number of level 2 events



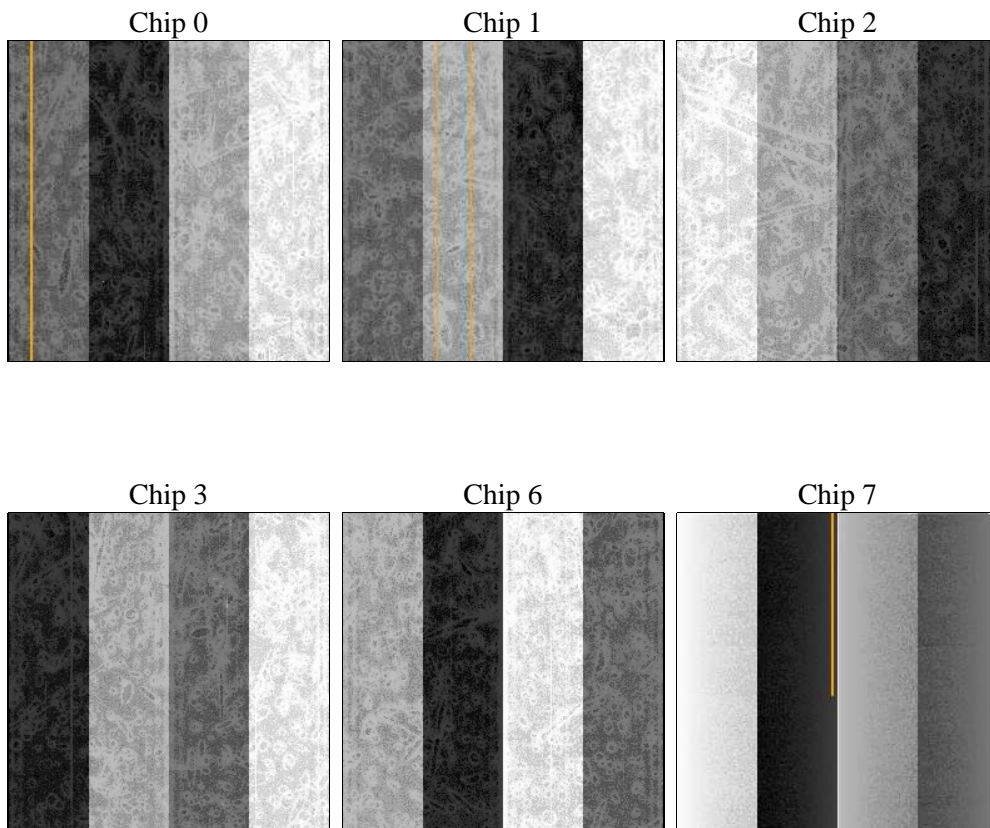
2 OBI

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	7510.3590666503	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	7513.6000069827	Sum of GTIs [s]
date	2012-09-17T17:50:36	Date and time of file creation	ontime1	7513.6000069827	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7513.6000069827	Sum of GTIs [s]
			ontime3	7510.3590666503	Sum of GTIs [s]
			ontime6	7513.6000069827	Sum of GTIs [s]
			ontime7	7510.3590467274	Sum of GTIs [s]
			l1events	333181	Number of level 1 events

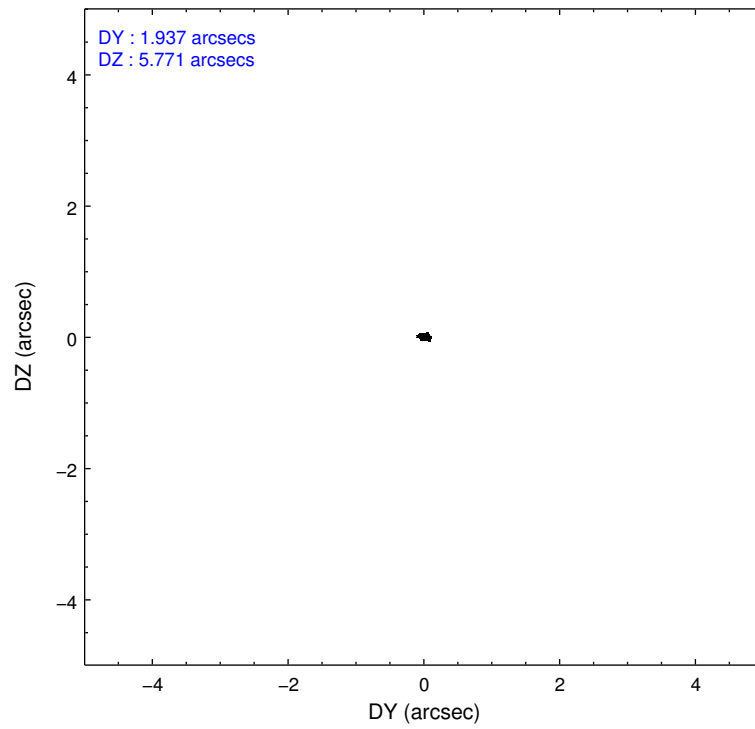
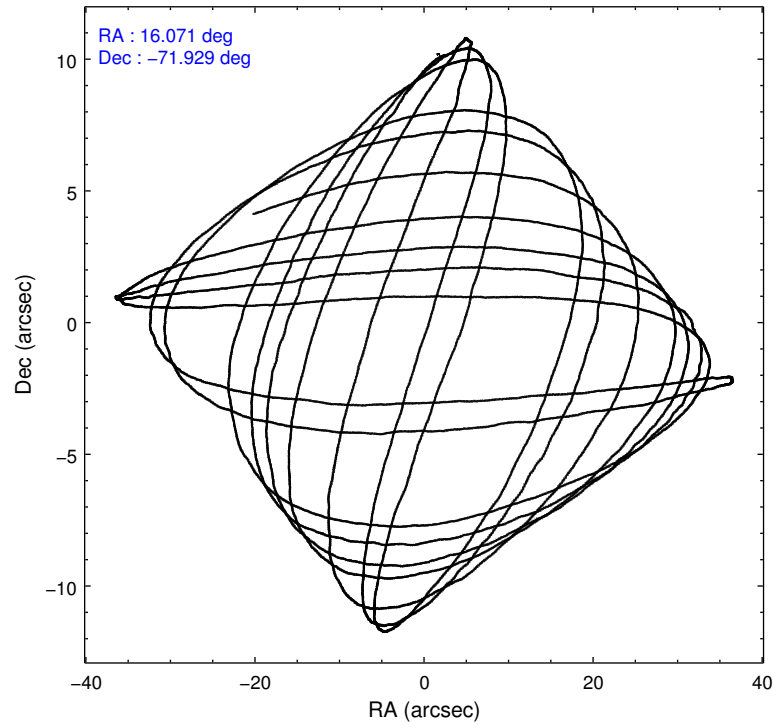
2.1.4 Events

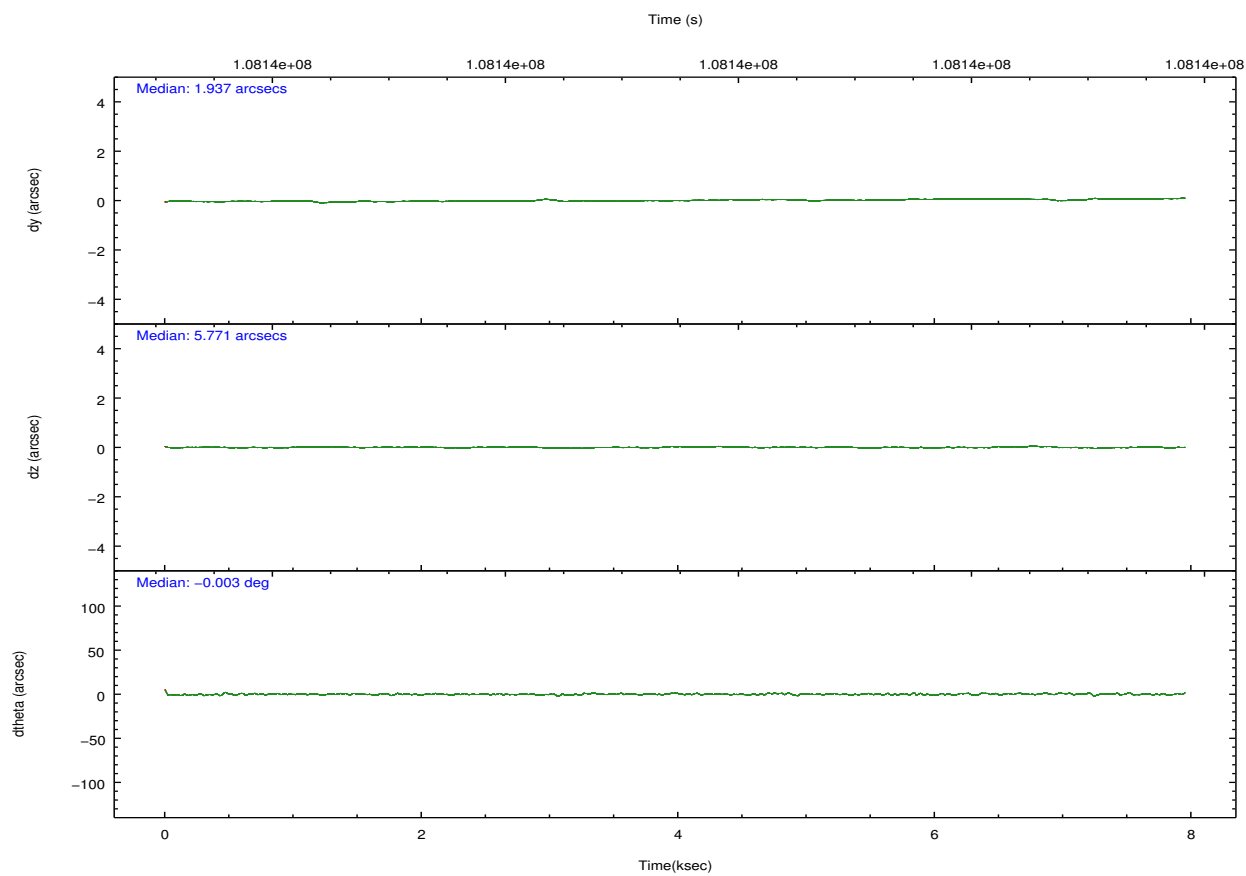
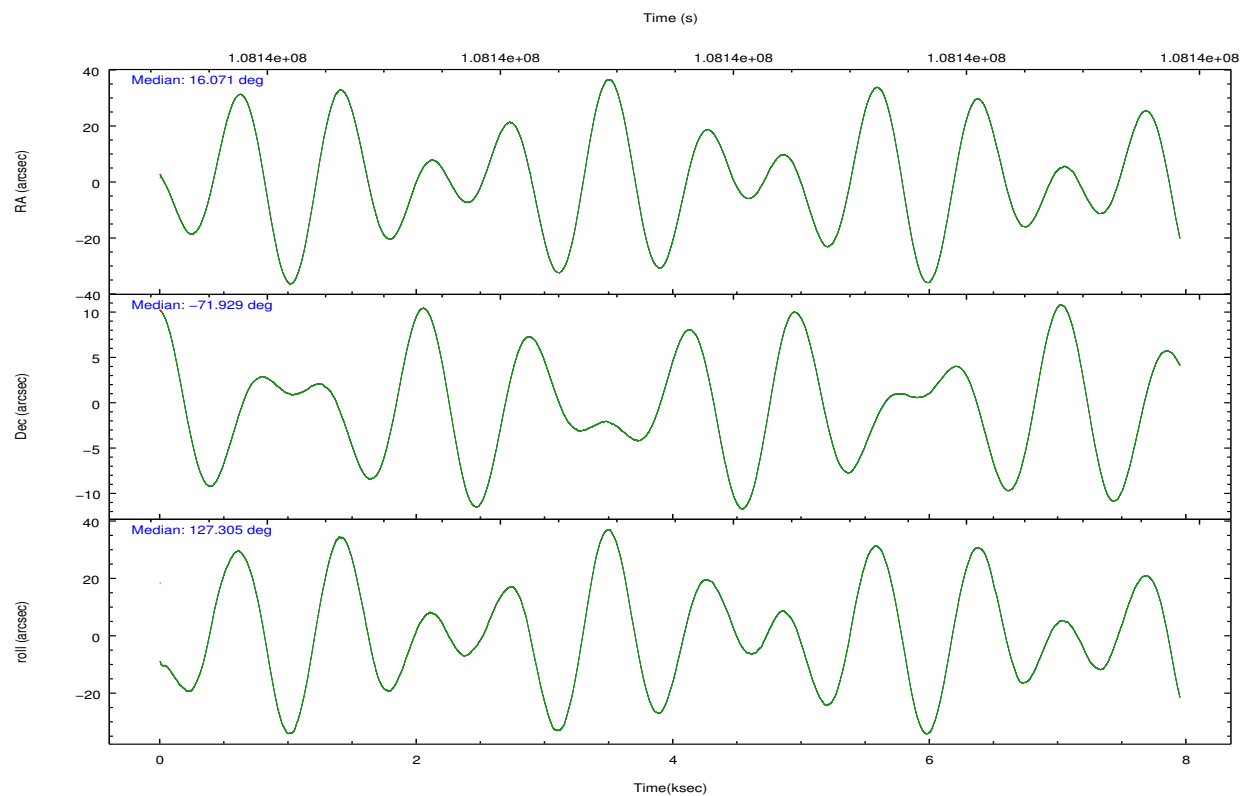
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45470	45308	50504	76475	51969	63455	grade 0 events	2301	2424	2614	25773	2792	2617
rejected events	39775	39365	44675	44412	45641	37140		5%	5%	5%	33%	5%	4%
rejected %	87%	86%	88%	58%	87%	58%	grade 1 events	21	22	17	256	31	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	1320	1247	1214	3104	1228	5162
								2%	2%	2%	4%	2%	8%
							grade 3 events	542	568	491	982	592	2375
								1%	1%	0%	1%	1%	3%
							grade 4 events	540	585	519	1001	587	2400
								1%	1%	1%	1%	1%	3%
							grade 5 events	1756	1962	1690	1933	2138	5930
								3%	4%	3%	2%	4%	9%
							grade 6 events	996	1122	995	1214	1133	13770
								2%	2%	1%	1%	2%	21%
							grade 7 events	37994	37378	42964	42212	43468	31147
								83%	82%	85%	55%	83%	49%

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	16.151469	16.06980097731656	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.939557	-71.92903115441359	Alternating exposures requested	N	N
[deg] Pointing Roll	127.177916	127.3089660463496	[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)	108135680.184000	108135304.14598			
Observation start date	2001-06-05T13:40:16	2001-06-05T13:35:04			
[s] Observation end time (MET)	108143435.184000	108143666.6088			
Observation end date	2001-06-05T15:49:31	2001-06-05T15:54:26			
Read mode	TIMED	TIMED			

2.3 Aspect



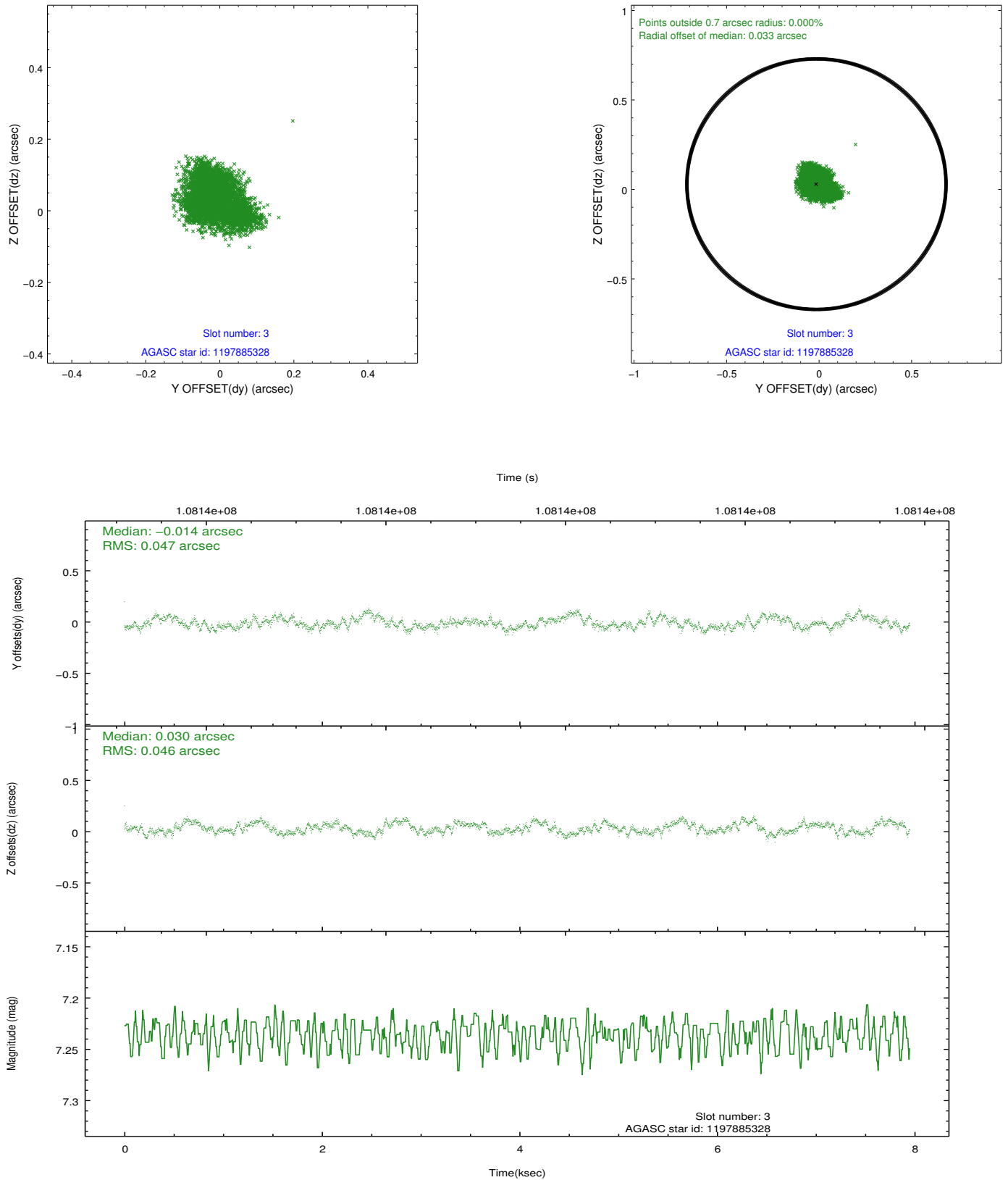


Slot Statistics

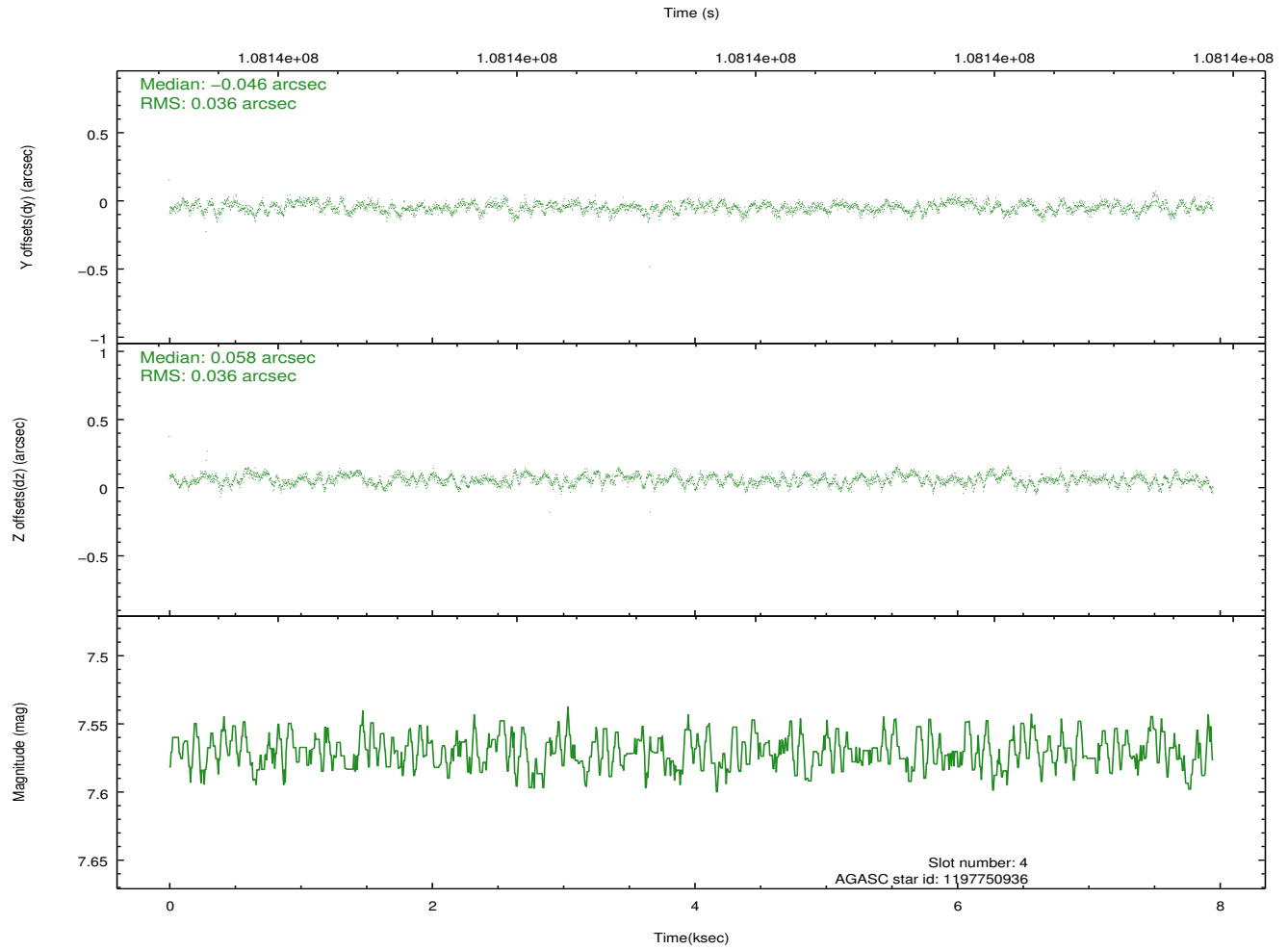
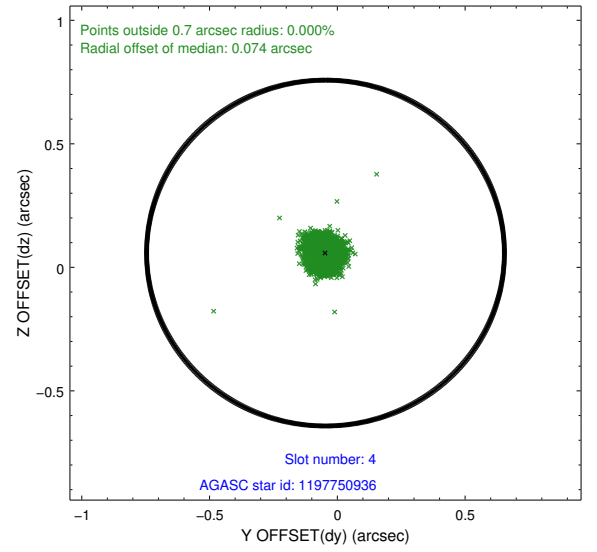
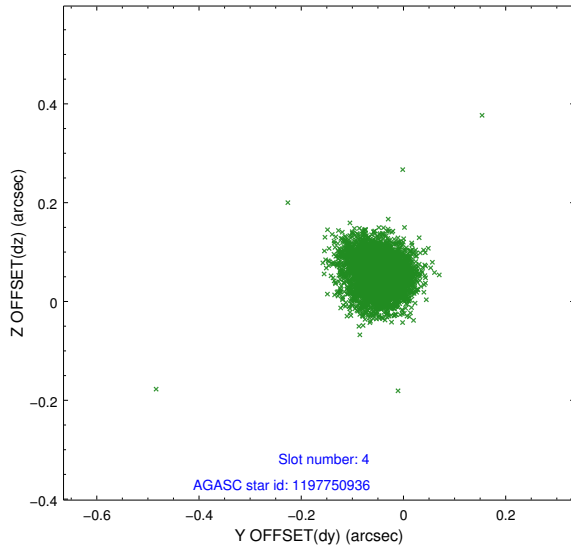
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1939	-0.034	-0.062	0.009	0.016	0.000000	0.000000	-756.32	-835.56
1	FID	ACIS-I-4	7.18	1940	-0.013	0.044	0.006	0.011	0.000000	0.000000	2157.43	1070.38
2	FID	ACIS-I-5	7.23	1940	-0.054	0.086	0.010	0.016	0.000000	0.000000	-1809.27	1069.05
3	GUIDE	1197885328	7.23	3878	-0.014	0.030	0.071	0.110	16.283090	-71.733943	501.10	-564.91
4	GUIDE	1197750936	7.57	3878	-0.046	0.058	0.054	0.085	15.387940	-71.549550	1641.20	-151.23
5	GUIDE	1197884536	8.50	3875	0.076	-0.061	0.069	0.109	17.160729	-71.835289	-391.13	-1122.97
6	GUIDE	1197878768	9.62	3876	-0.044	0.031	0.097	0.159	16.656786	-71.304581	1468.30	-1844.01
7	GUIDE	1197749416	10.30	3877	0.025	-0.060	0.147	0.235	13.610513	-71.871242	1869.12	2155.01

2.4 Star Slots

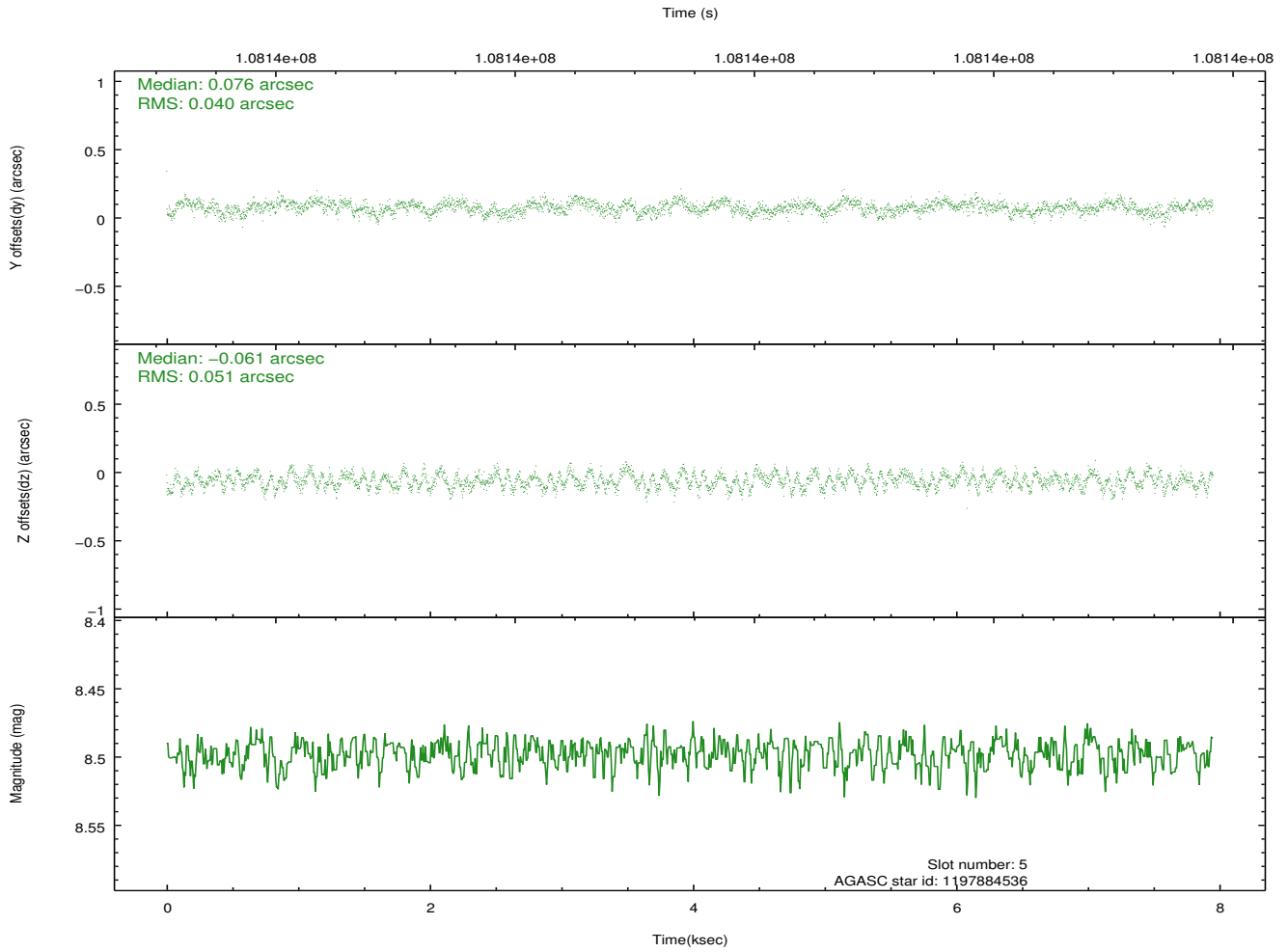
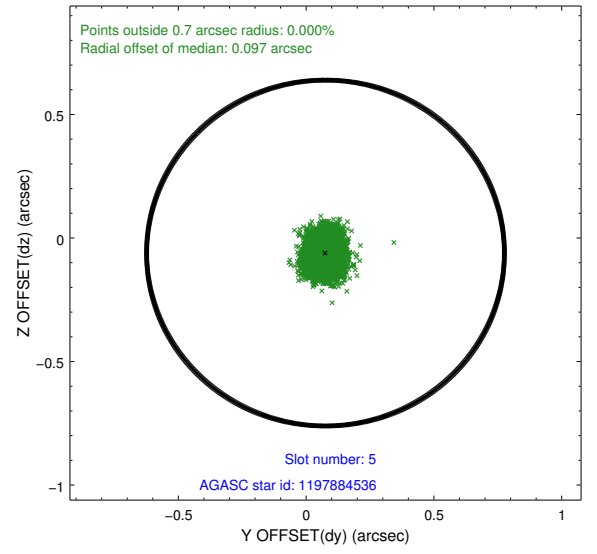
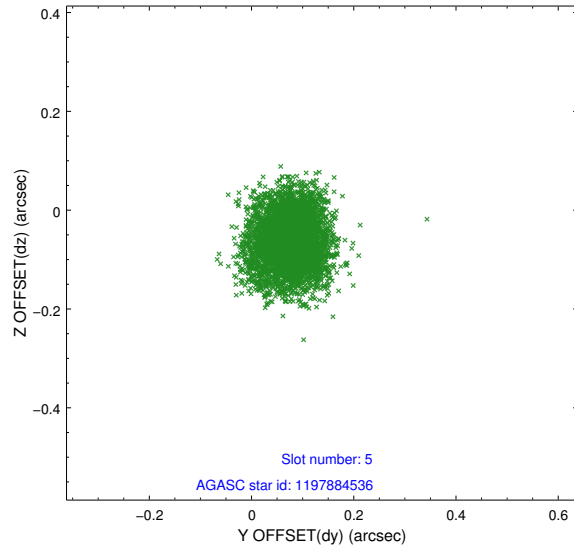
2.4.1 Slot 3



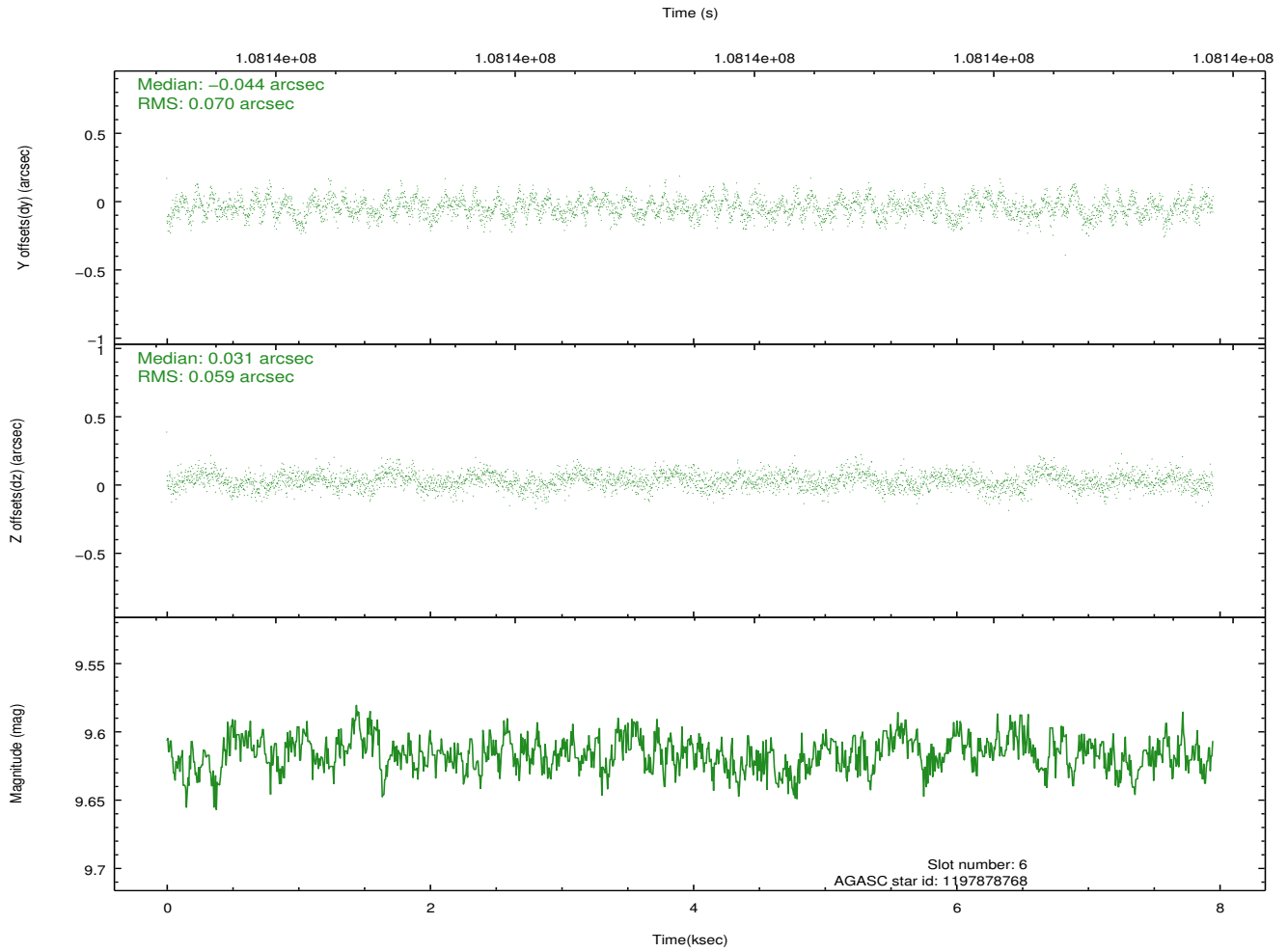
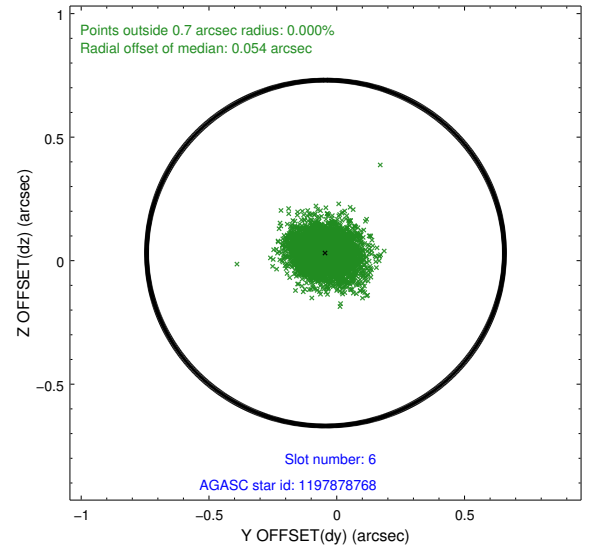
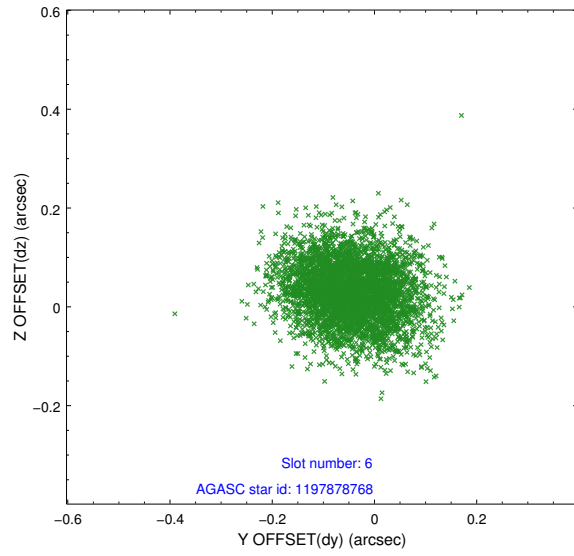
2.4.2 Slot 4



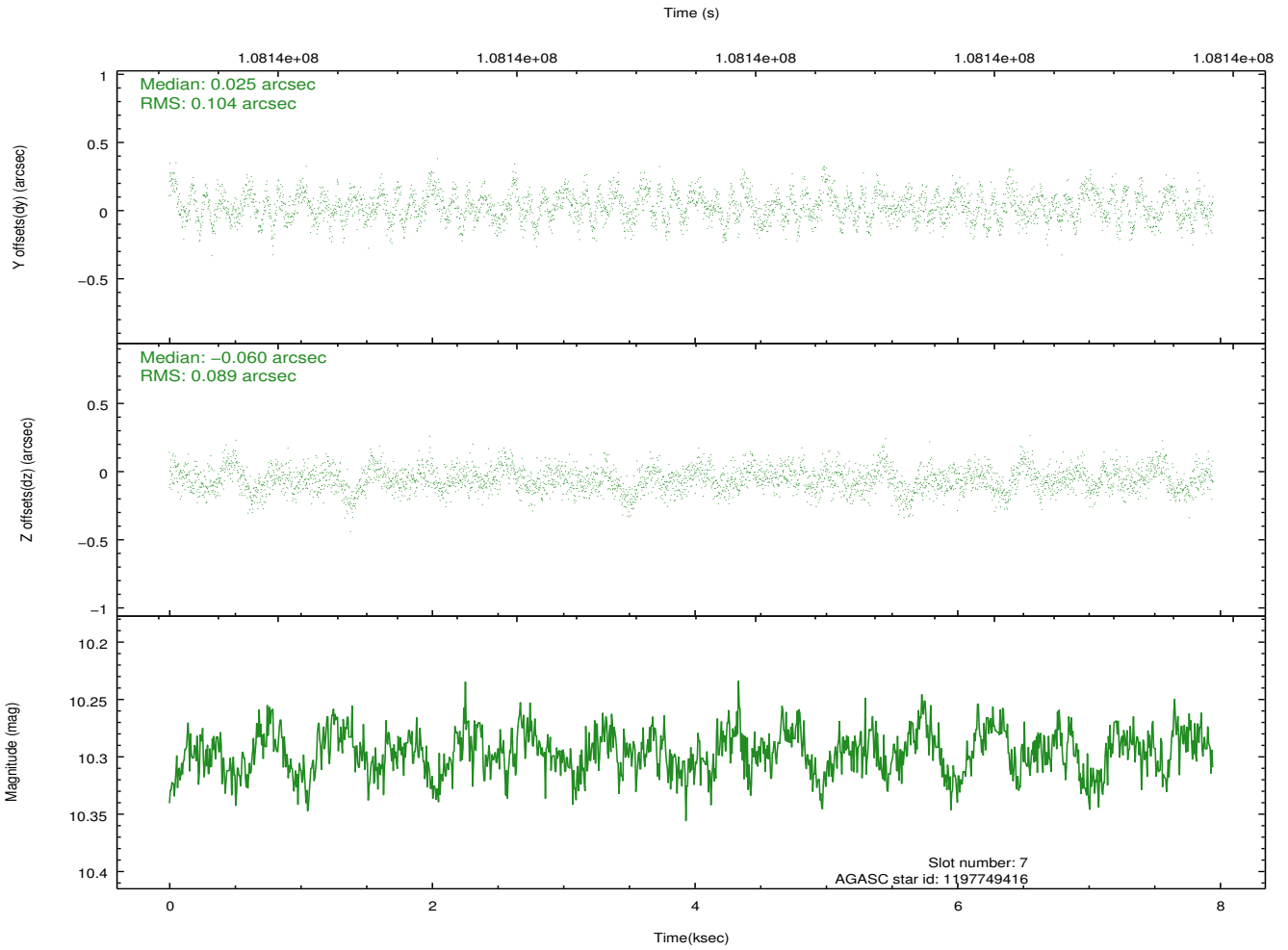
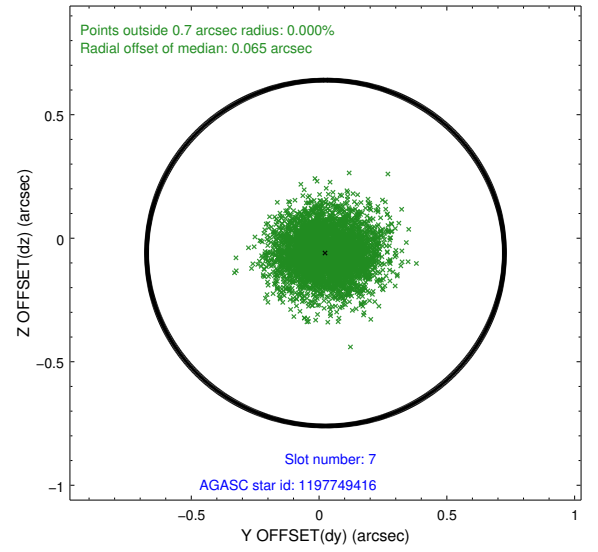
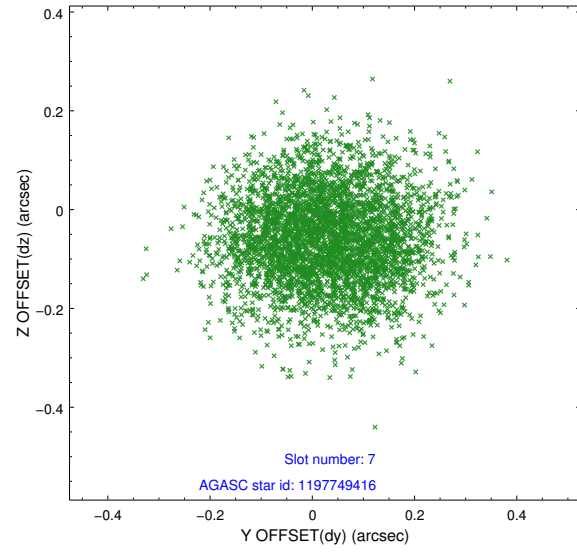
2.4.3 Slot 5



2.4.4 Slot 6

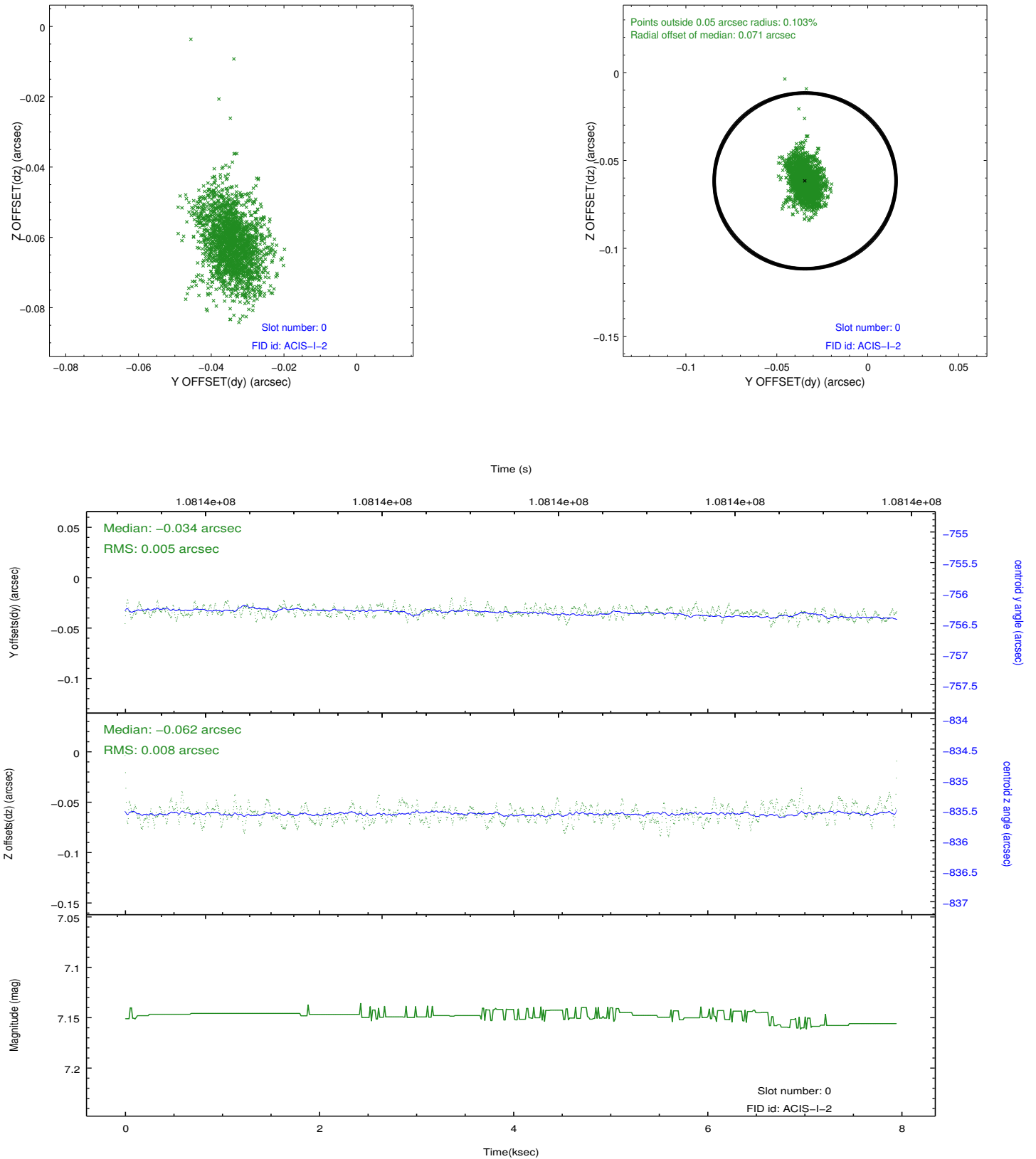


2.4.5 Slot 7

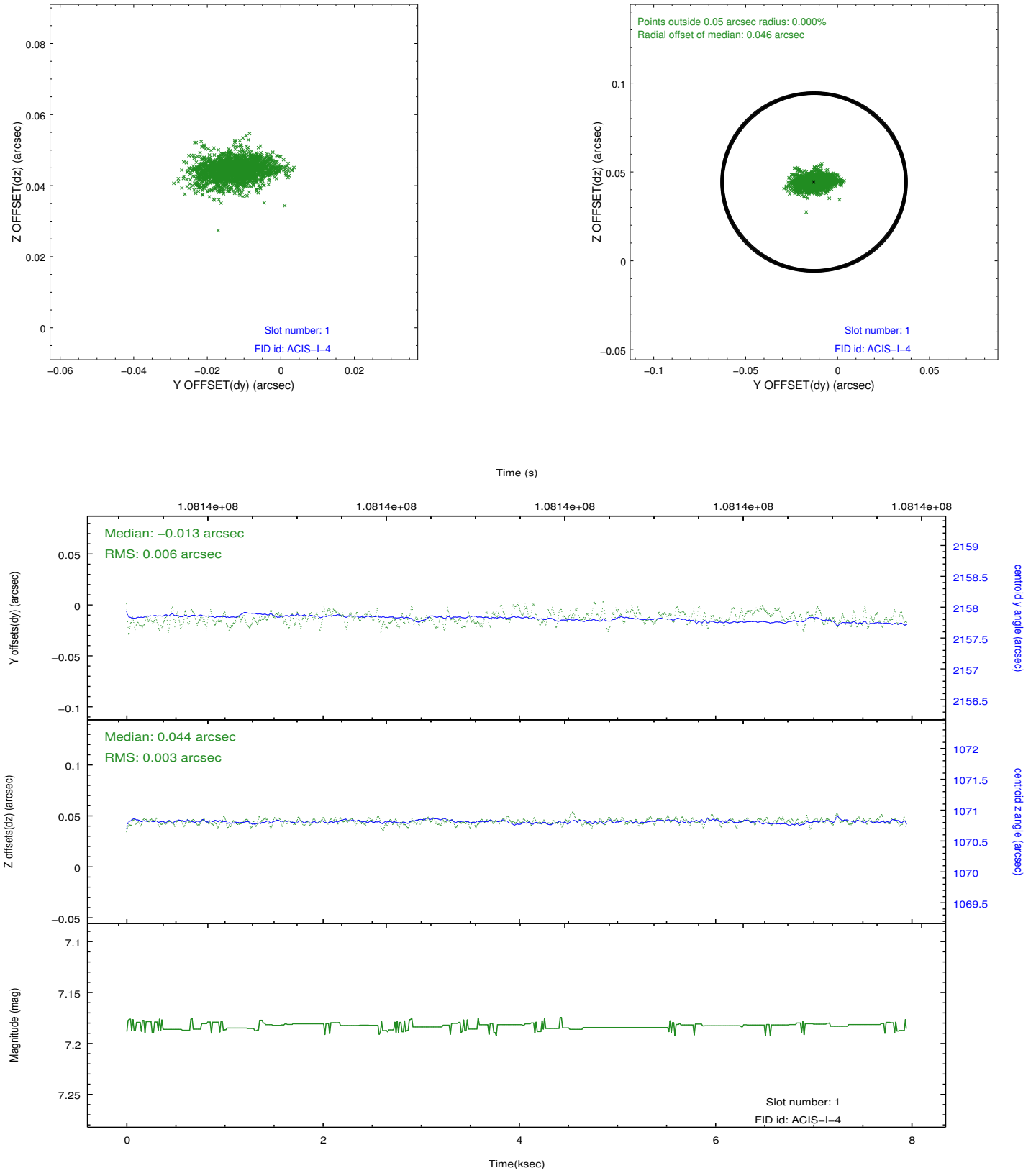


2.5 FID Slots

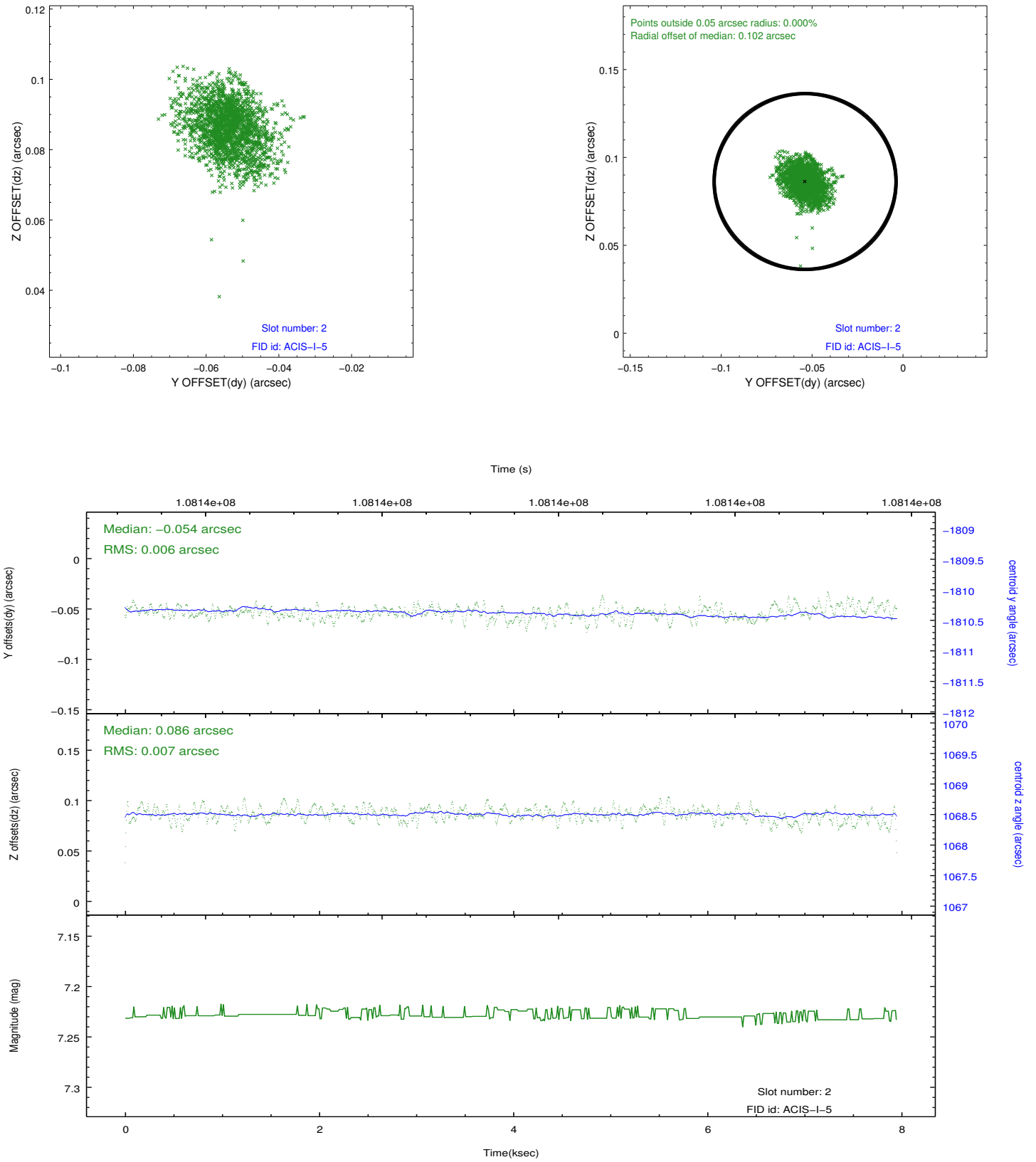
2.5.1 Slot 0



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	7.513

A.2 Comments

Window constraint OK.