

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1544 - L2 Version 3
Chandra X-Ray Center

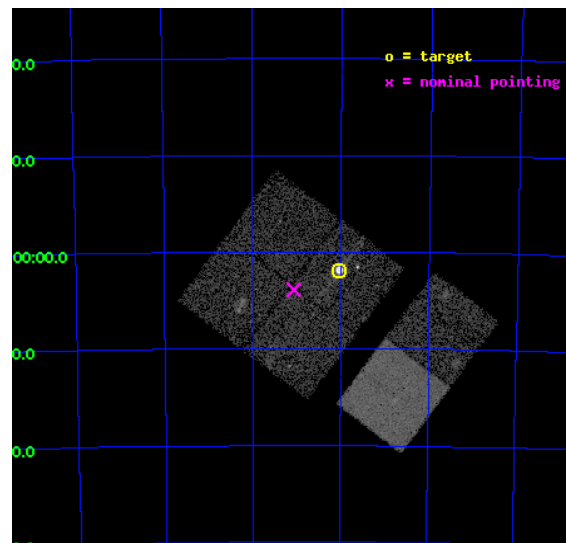
L2 Processing Date : Sep 17 2012

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1 Front

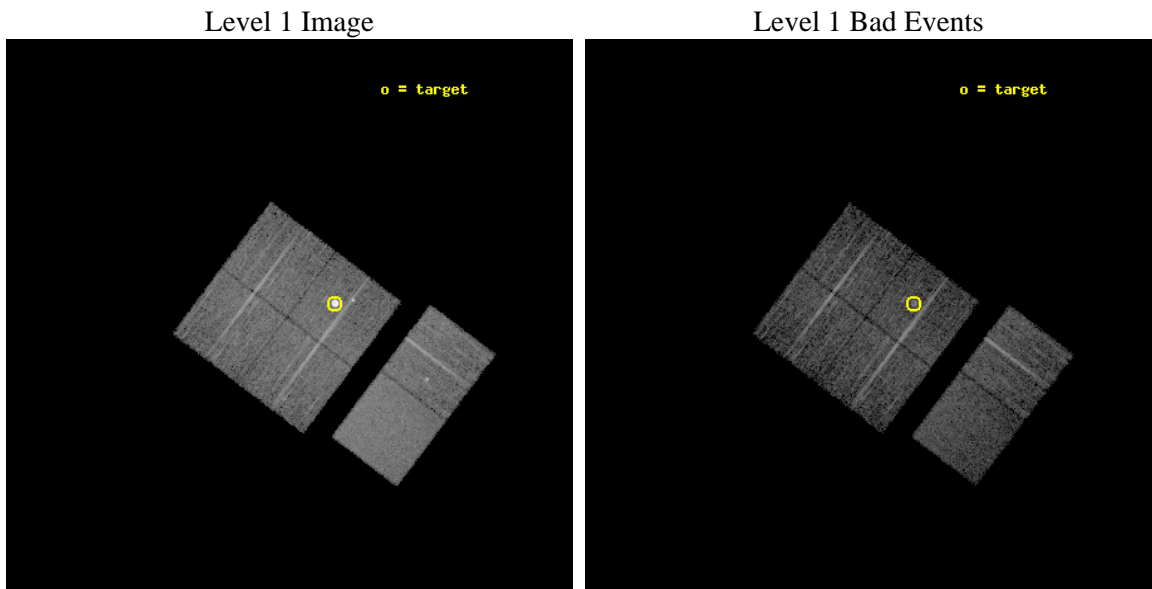
seq_num	590153	Sequence number
obs_id	1544	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I2, T=120, Offsets=4,2,0]	Source name
dtcycle	0	
cycle	P	events from which 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	16.266557018612	Nominal RA [deg]
dec_nom	-72.065250988557	Nominal Dec [deg]
roll_nom	127.09902429237	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7510.3590467274	Sum of GTIs [s]
livetime	7415.2583582825	Livetime [s]
ontime0	7510.359076634	Sum of GTIs [s]
ontime1	7513.6000069827	Sum of GTIs [s]
ontime2	7510.3590467274	Sum of GTIs [s]
ontime3	7513.6000069827	Sum of GTIs [s]
ontime6	7513.6000069827	Sum of GTIs [s]
ontime7	7513.6000069827	Sum of GTIs [s]
l2events	80242	Number of level 2 events



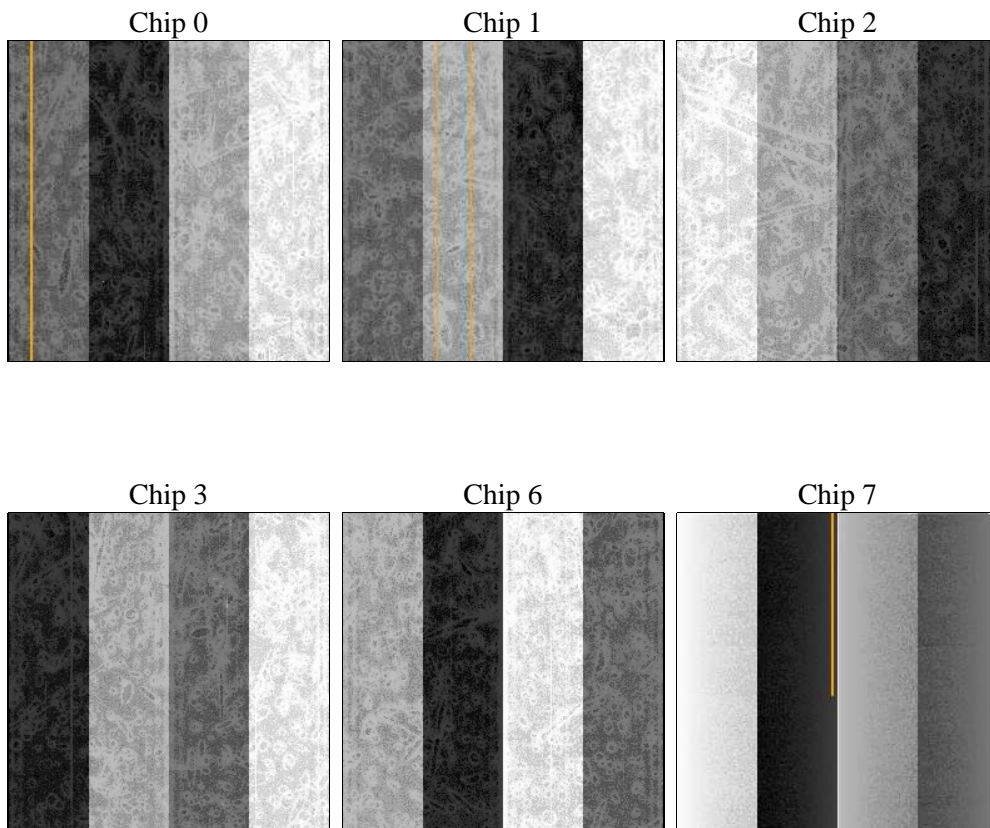
2 OBI

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	7510.3590467274	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	7510.359076634	Sum of GTIs [s]
date	2012-09-17T18:03:14	Date and time of file creation	ontime1	7513.6000069827	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7510.3590467274	Sum of GTIs [s]
			ontime3	7513.6000069827	Sum of GTIs [s]
			ontime6	7513.6000069827	Sum of GTIs [s]
			ontime7	7513.6000069827	Sum of GTIs [s]
			l1events	340527	Number of level 1 events

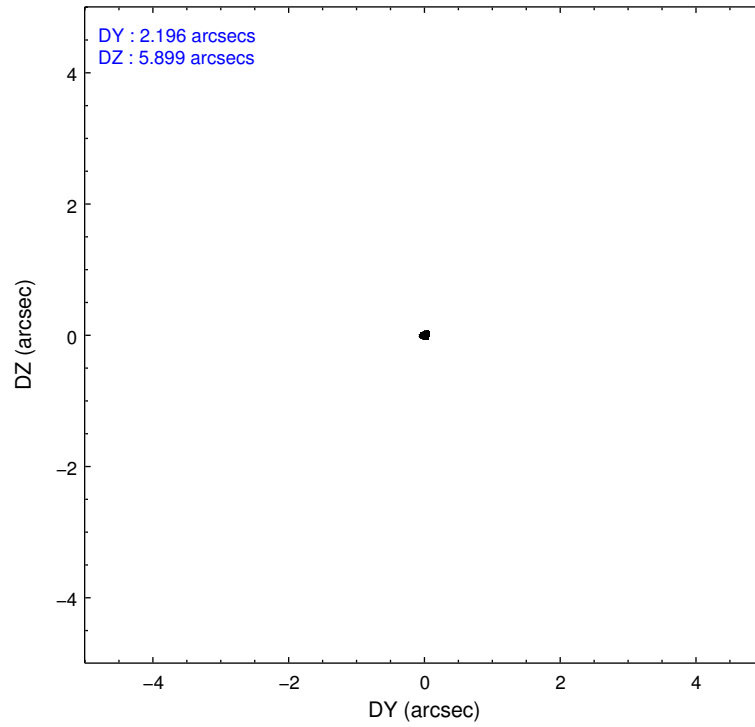
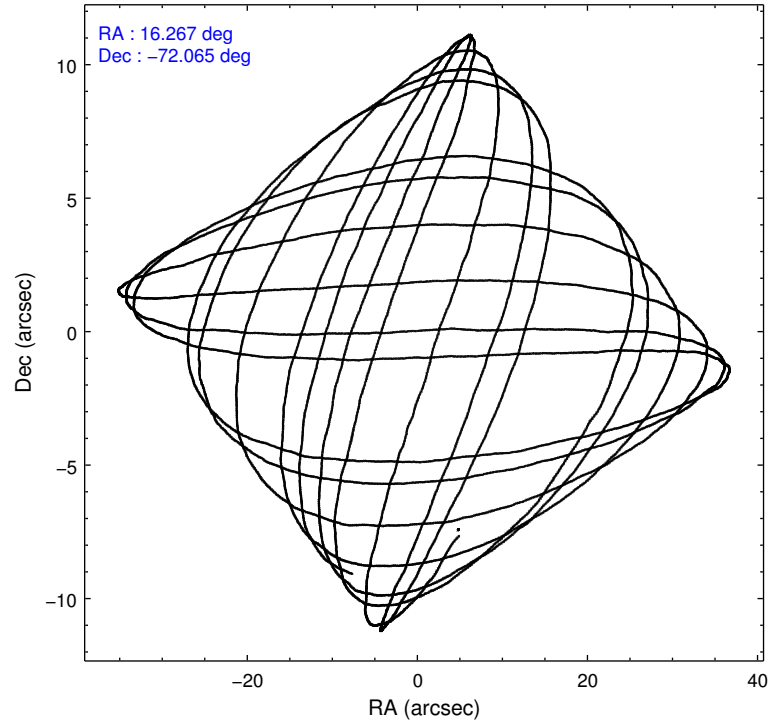
2.1.4 Events

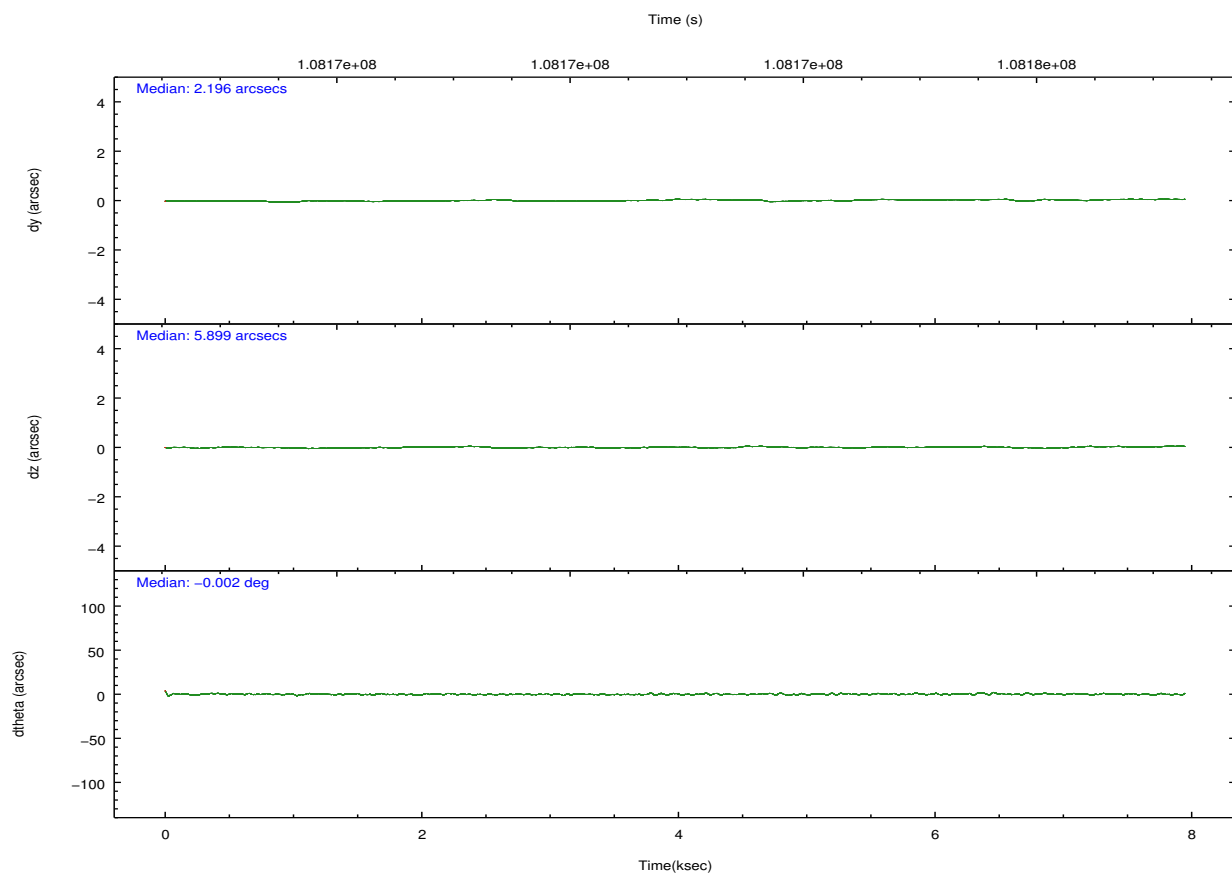
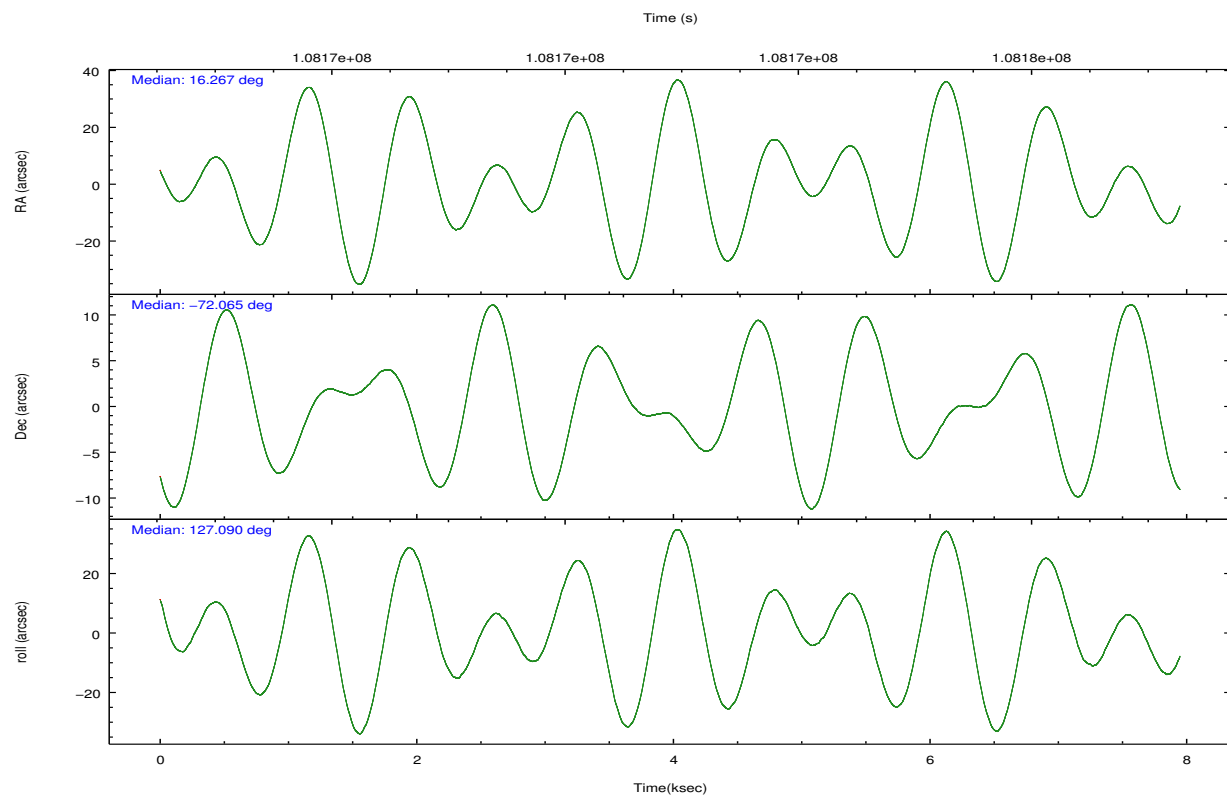
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46655	48720	76903	50800	53762	63687	grade 0 events	2480	2974	27289	3052	3077	2649
rejected events	40851	42035	43138	44404	47112	37050		5%	6%	35%	6%	5%	4%
rejected %	87%	86%	56%	87%	87%	58%	grade 1 events	26	20	265	24	22	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1195	1300	3198	1148	1217	5130
								2%	2%	4%	2%	2%	8%
							grade 3 events	549	666	1051	563	588	2458
								1%	1%	1%	1%	1%	3%
							grade 4 events	592	538	985	612	549	2456
								1%	1%	1%	1%	1%	3%
							grade 5 events	1820	1997	1740	1845	2103	6068
								3%	4%	2%	3%	3%	9%
							grade 6 events	991	1209	1254	1023	1221	13957
								2%	2%	1%	2%	2%	21%
							grade 7 events	39002	40016	41121	42533	44985	30905
								83%	82%	53%	83%	83%	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	16.348901	16.26655701861167	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.075883	-72.06525098855718	Alternating exposures requested	N	N
[deg] Pointing Roll	126.968681	127.0990242923743	[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)	108169121.184000	108168744.77228			
Observation start date	2001-06-05T22:57:37	2001-06-05T22:52:24			
[s] Observation end time (MET)	108176876.184000	108177025.2351			
Observation end date	2001-06-06T01:06:52	2001-06-06T01:10:25			
Read mode	TIMED	TIMED			

2.3 Aspect



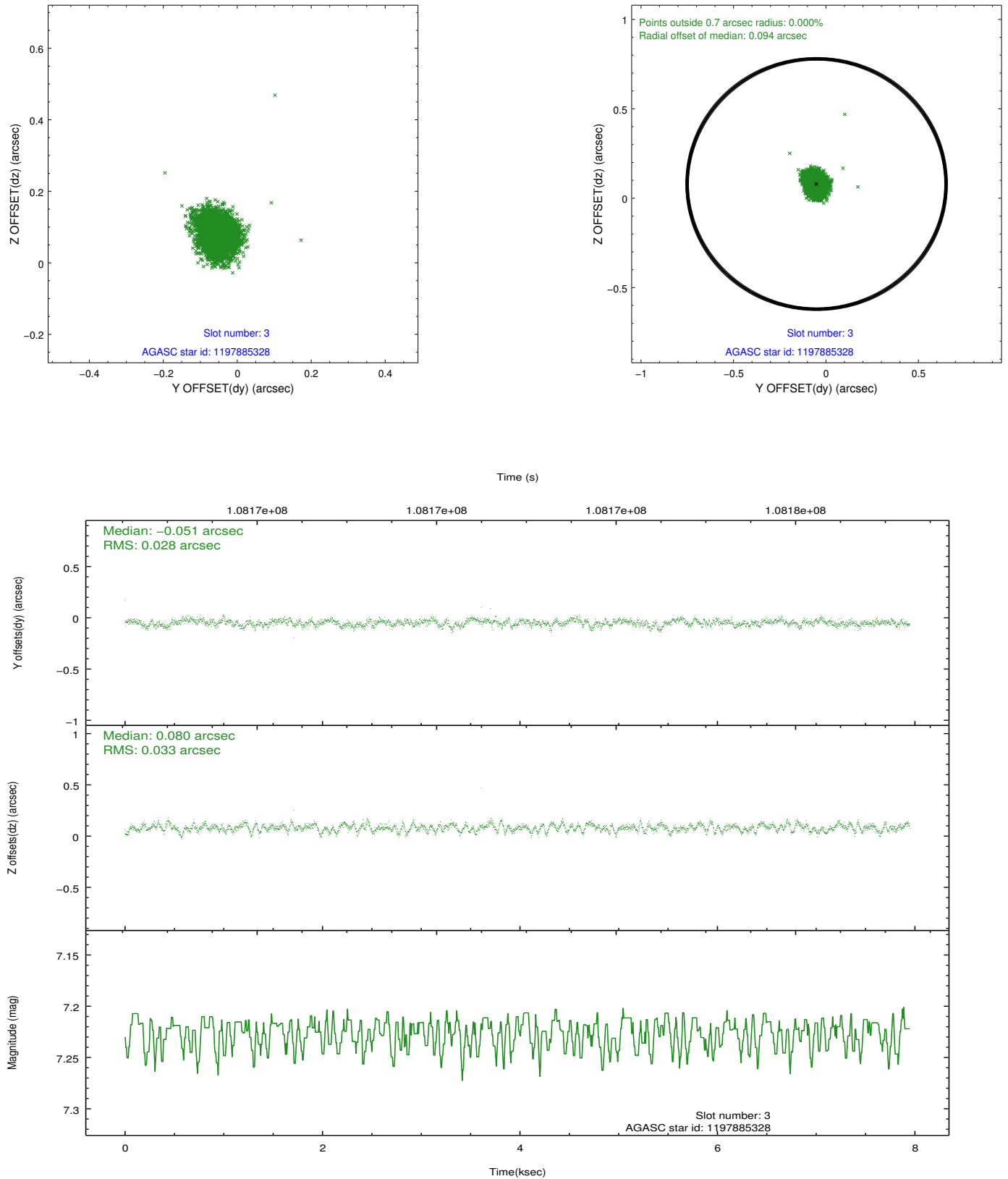


Slot Statistics

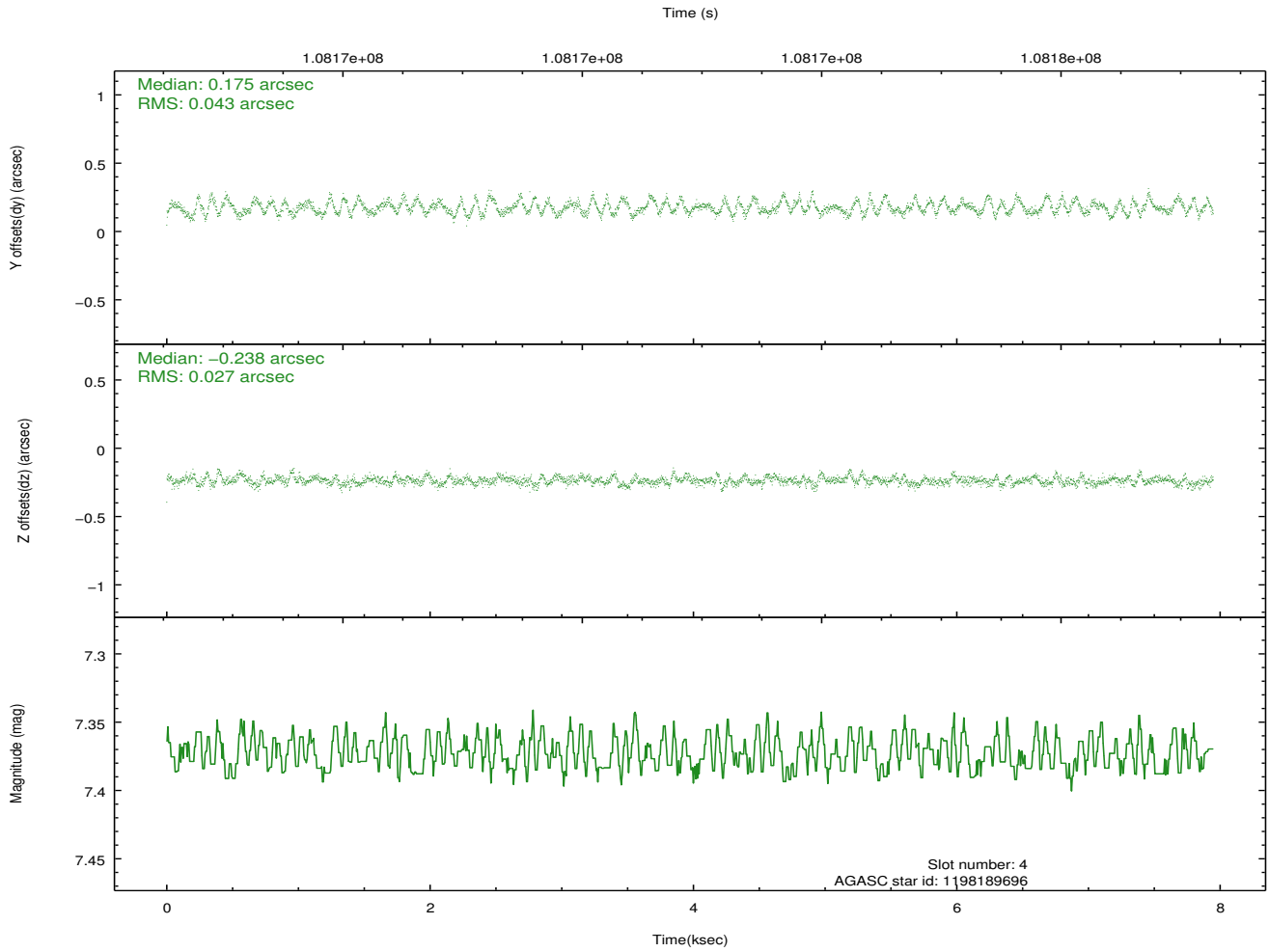
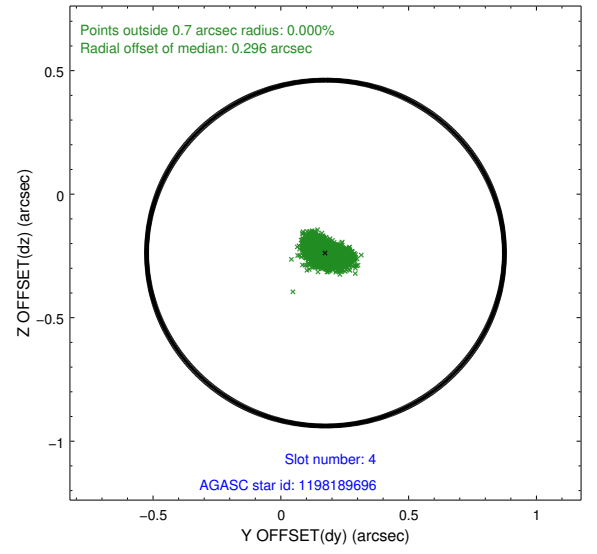
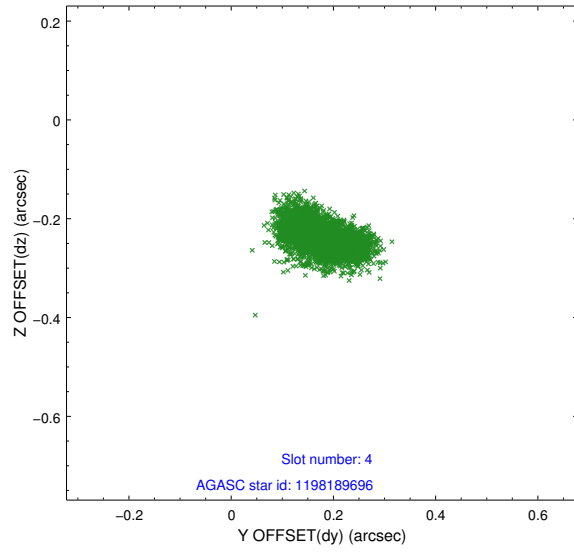
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1939	-0.027	-0.048	0.008	0.014	0.000000	0.000000	-756.58	-835.68
1	FID	ACIS-I-4	7.18	1939	-0.031	0.037	0.006	0.010	0.000000	0.000000	2157.15	1070.23
2	FID	ACIS-I-5	7.23	1939	-0.043	0.080	0.008	0.014	0.000000	0.000000	-1809.52	1068.92
3	GUIDE	1197885328	7.23	3878	-0.051	0.080	0.045	0.073	16.283090	-71.733943	1028.93	-680.78
4	GUIDE	1198189696	7.37	3878	0.175	-0.238	0.055	0.090	15.223750	-72.697522	-1071.82	2314.56
5	GUIDE	1197750936	7.58	3876	-0.189	0.099	0.052	0.087	15.387940	-71.549550	2165.60	-258.37
6	GUIDE	1197884536	8.49	3875	-0.012	0.060	0.058	0.090	17.160729	-71.835289	140.72	-1245.03
7	GUIDE	1197884712	8.30	3875	0.077	0.000	0.048	0.078	16.087398	-72.252690	-335.71	612.12

2.4 Star Slots

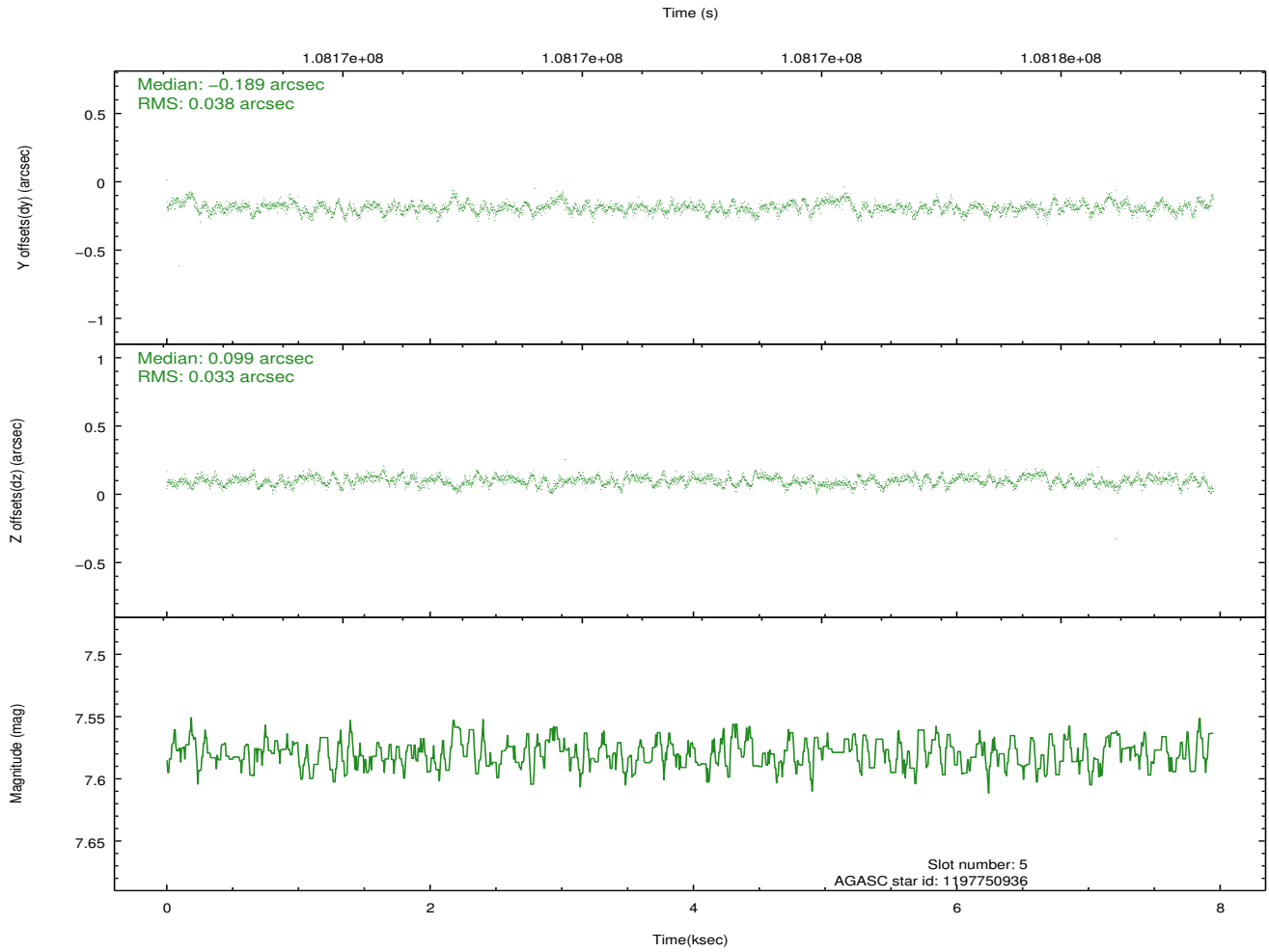
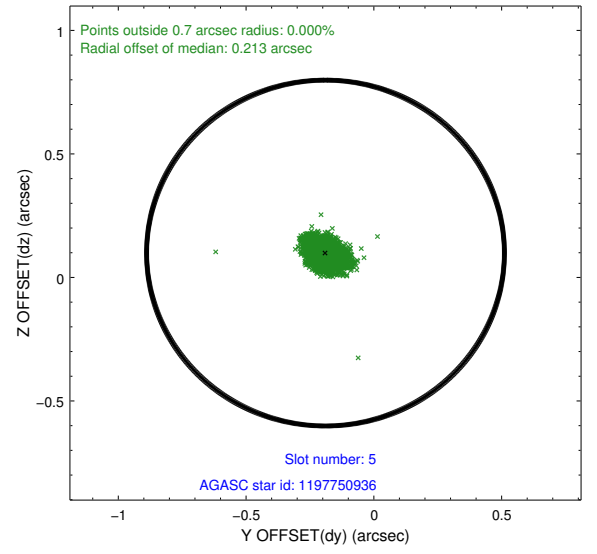
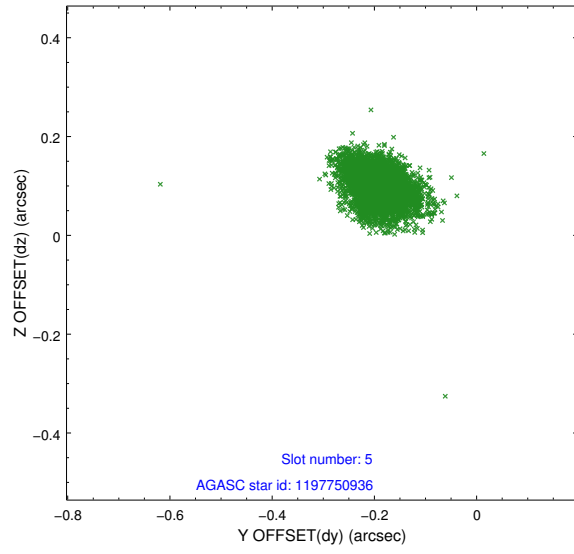
2.4.1 Slot 3



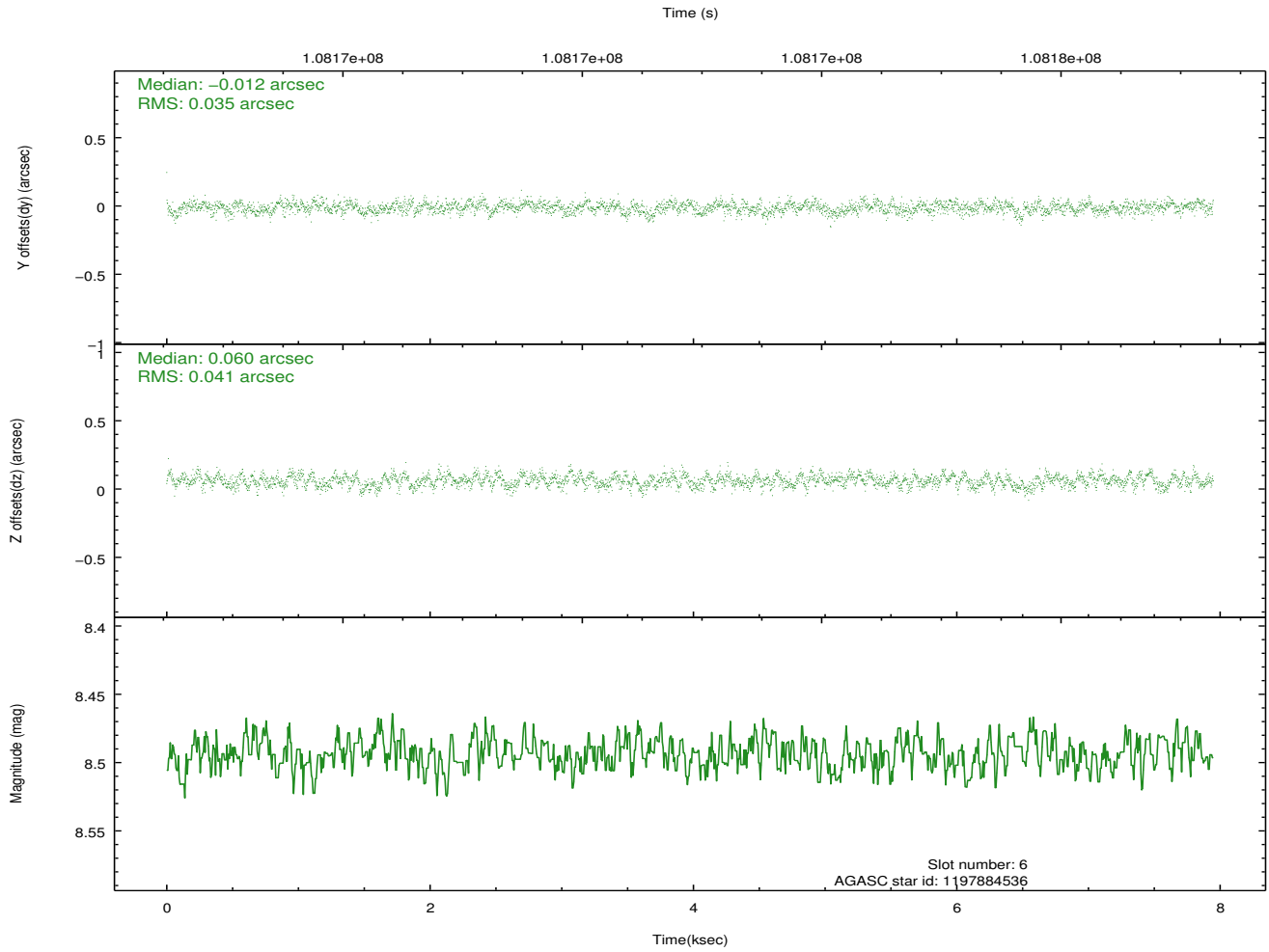
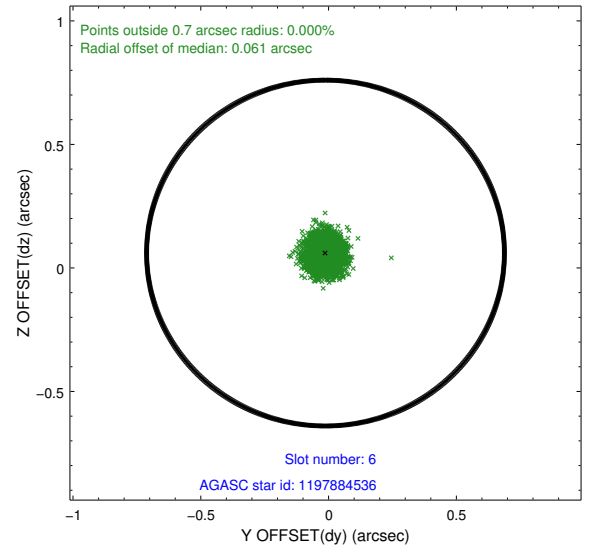
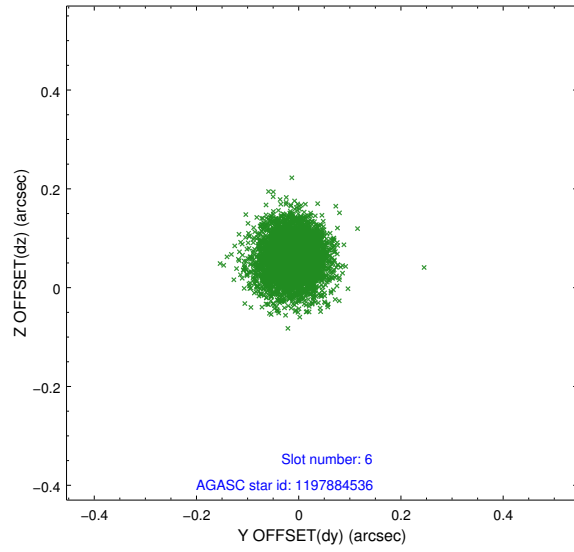
2.4.2 Slot 4



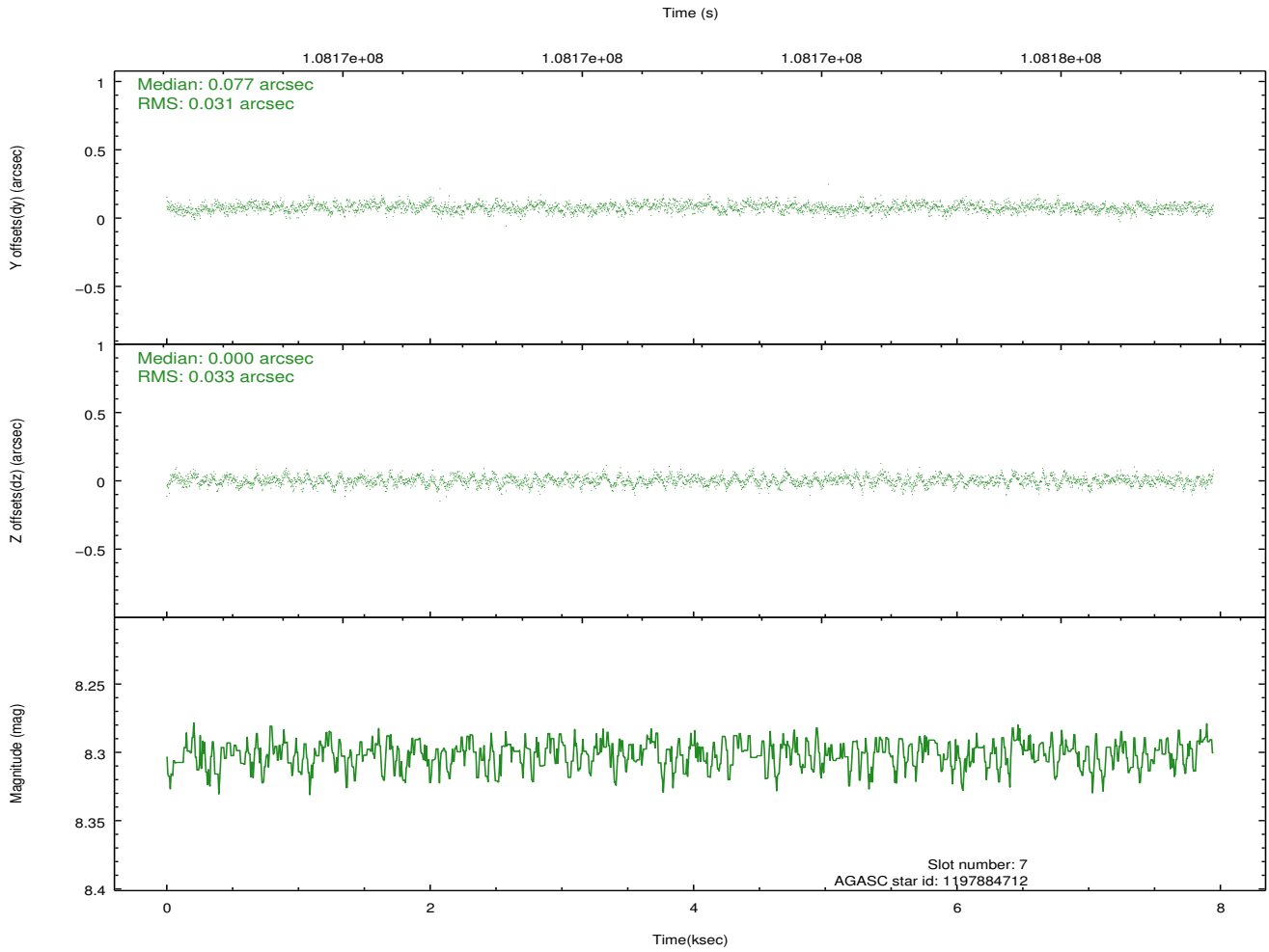
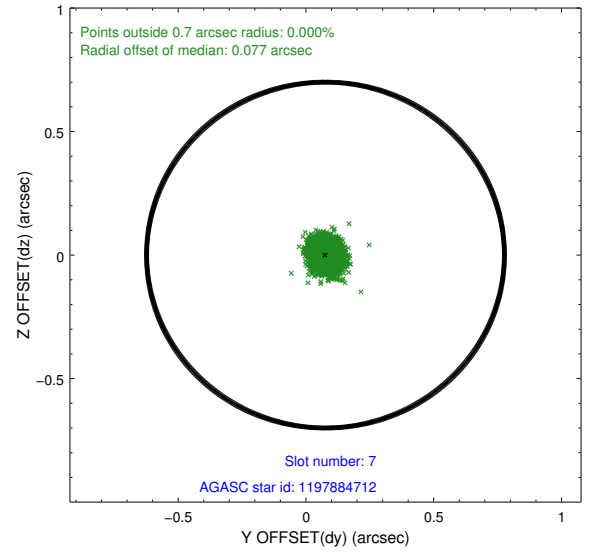
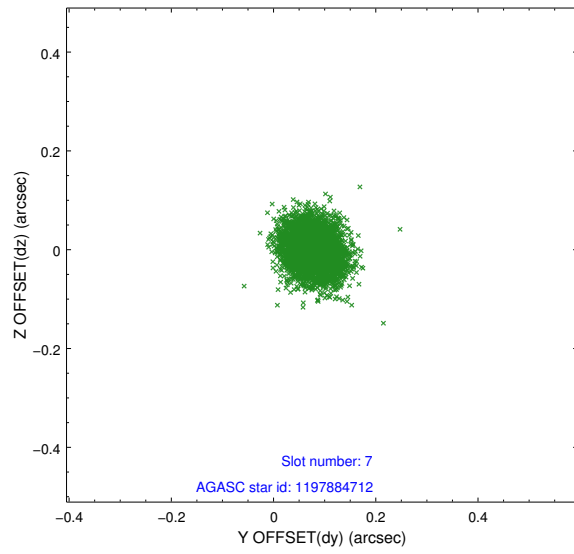
2.4.3 Slot 5



2.4.4 Slot 6

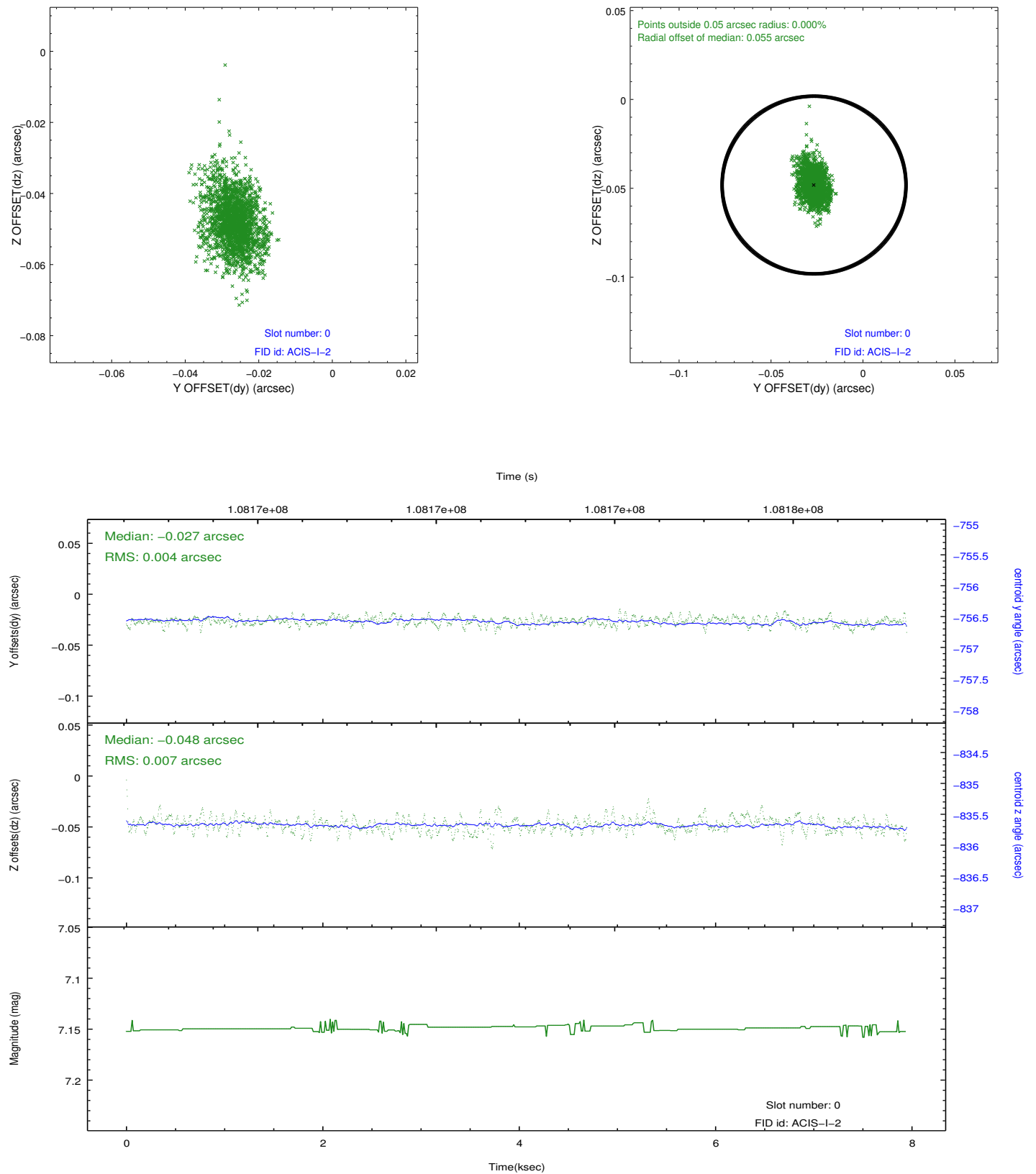


2.4.5 Slot 7

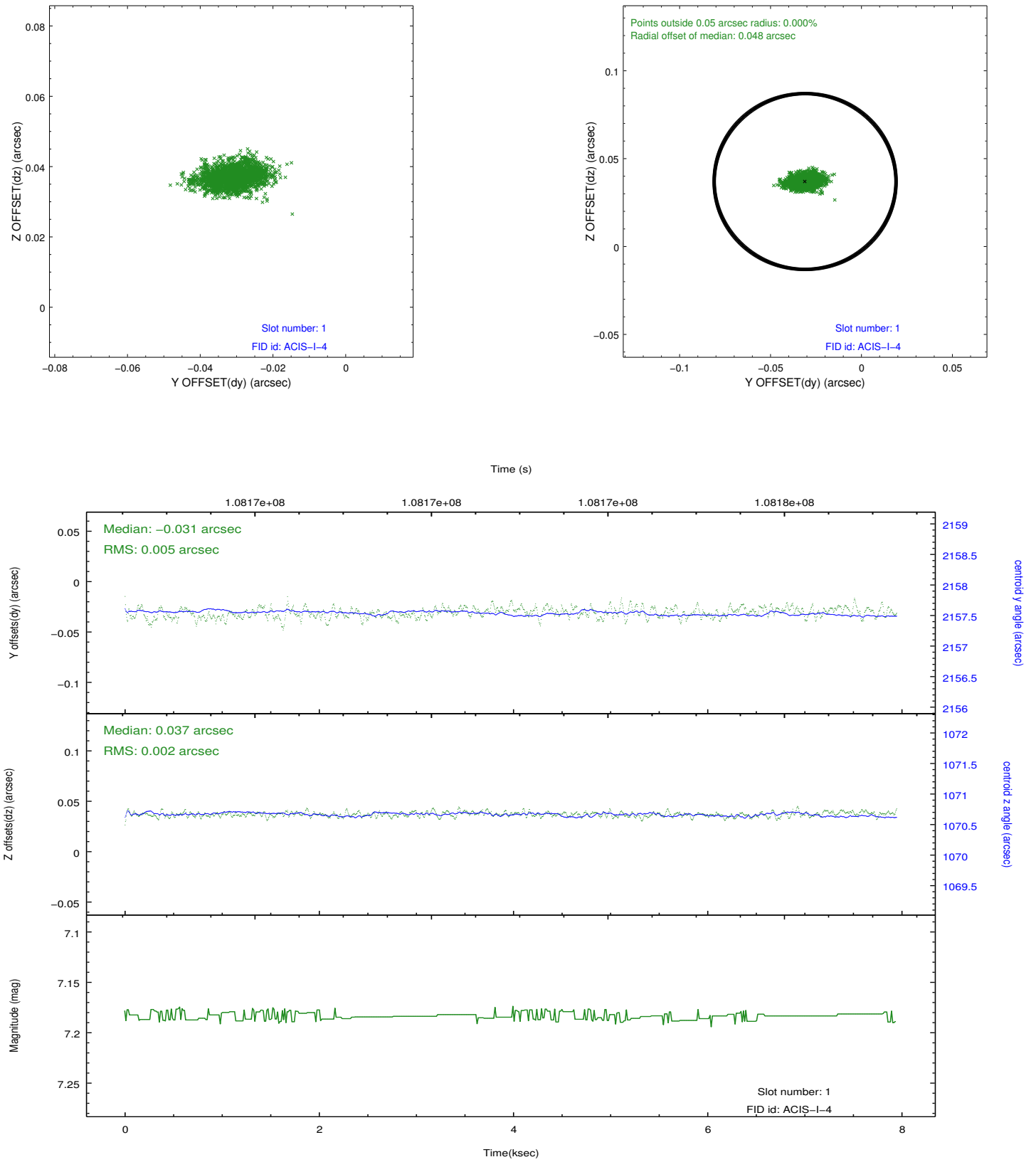


2.5 FID Slots

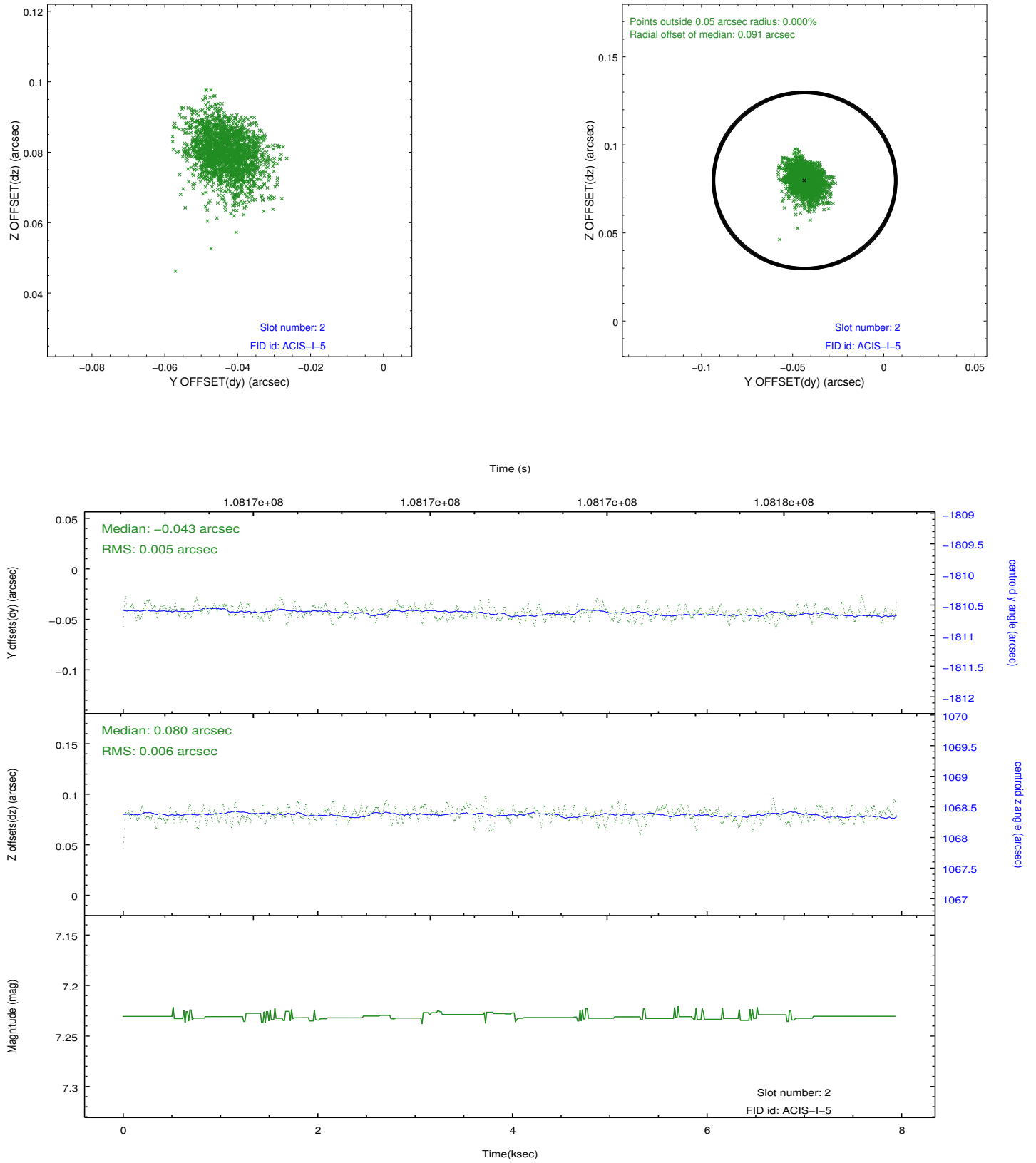
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5

A.2 Comments

Charge time for this observation remains at previous value of 7.5 ksec.
Window preference met.