

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1543 - L2 Version 3
Chandra X-Ray Center

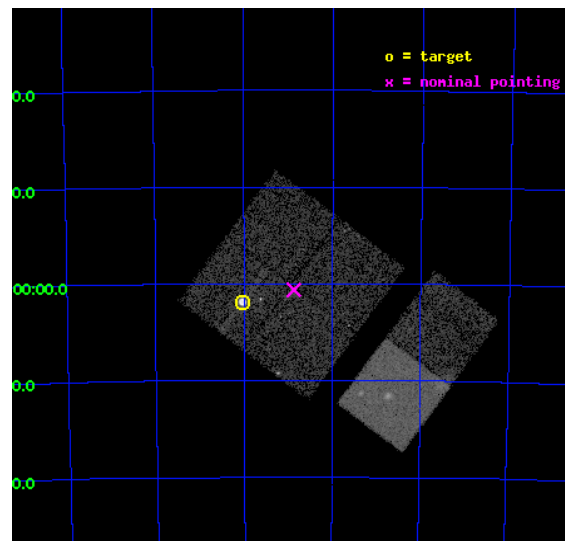
L2 Processing Date : Sep 17 2012

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1 Front

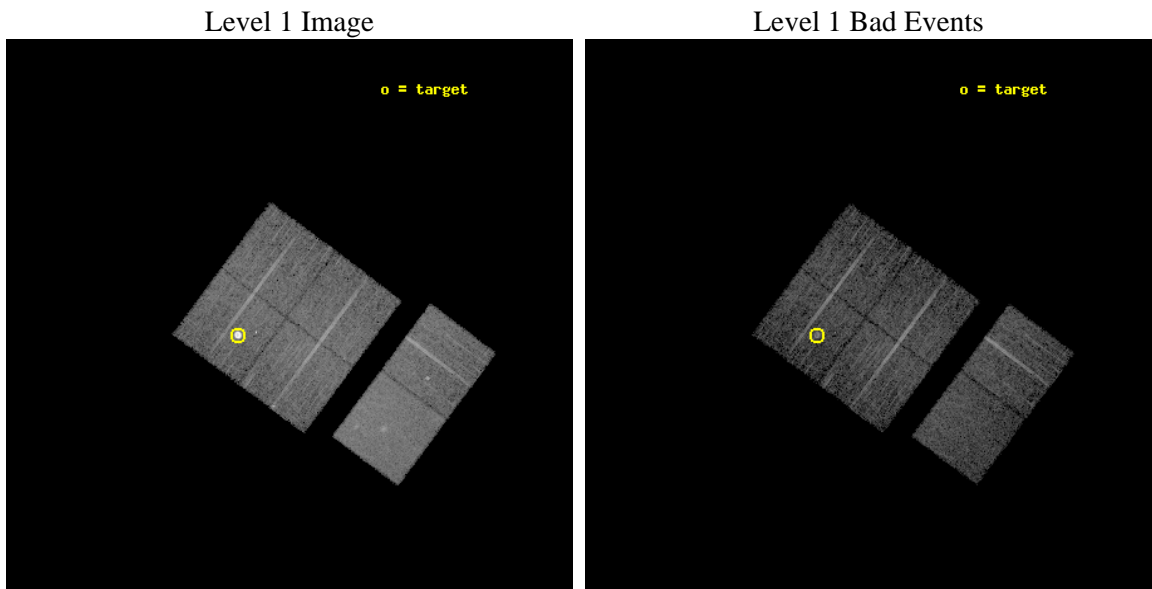
seq_num	590152	Sequence number
obs_id	1543	Observation id
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (JUNE 2001)	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72.3 [Chip I1, T=120, Offsets=-4,-3,0]	Source name
dtcycle	0	
cycle	P	events from 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	15.71799578704	Nominal RA [deg]
dec_nom	-72.010524434324	Nominal Dec [deg]
roll_nom	126.69905687468	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7513.6000069827	Sum of GTIs [s]
livetime	7418.4582795475	Livetime [s]
ontime0	7513.6000069827	Sum of GTIs [s]
ontime1	7513.6000069827	Sum of GTIs [s]
ontime2	7513.6000069827	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	79122	Number of level 2 events



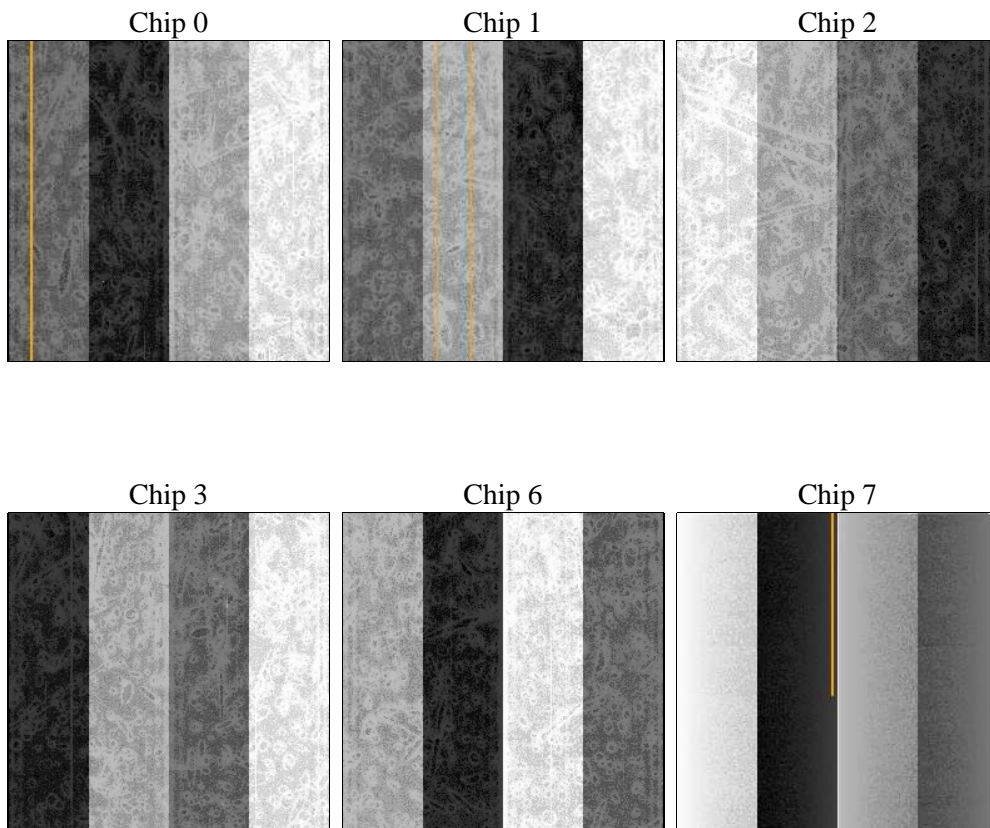
2 OBI

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	7513.6000069827	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	7513.6000069827	Sum of GTIs [s]
date	2012-09-17T18:24:23	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	7513.6000069827	Sum of GTIs [s]
			ontime6	7513.6000069827	Sum of GTIs [s]
			ontime7	7513.6000069827	Sum of GTIs [s]
			l1events	334210	Number of level 1 events

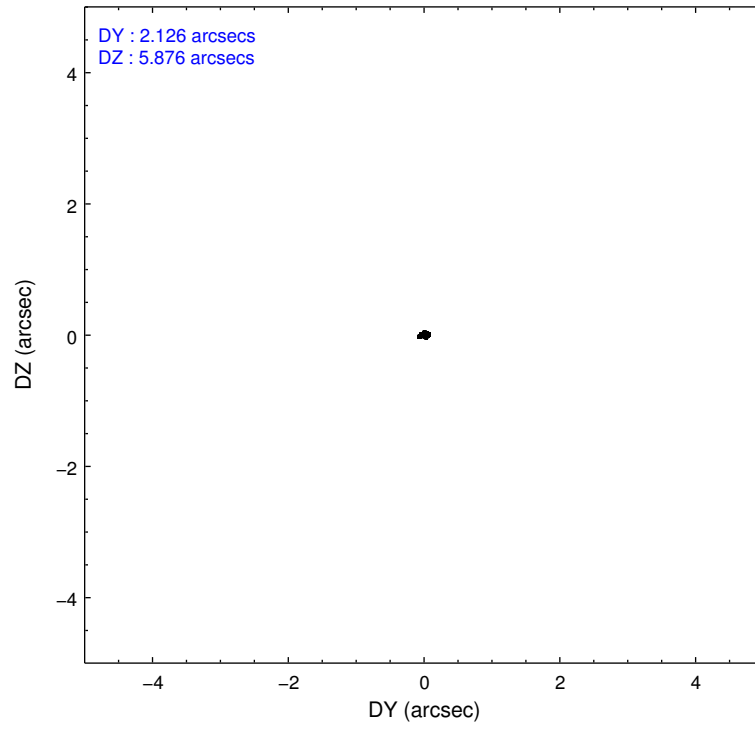
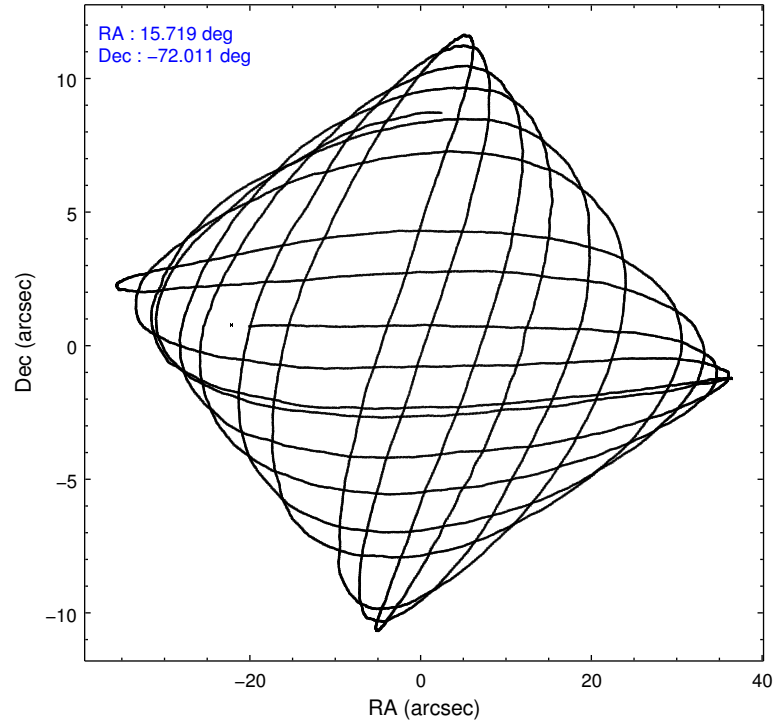
2.1.4 Events

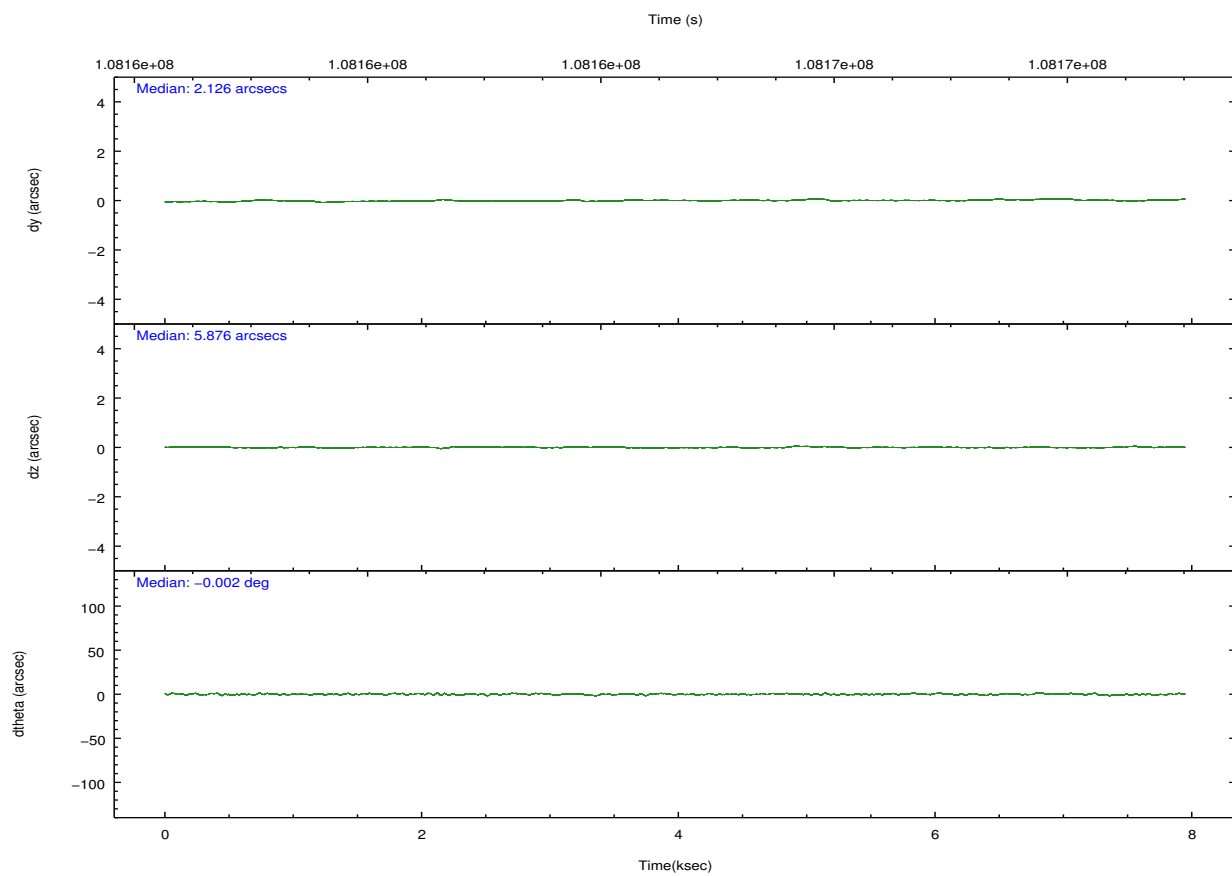
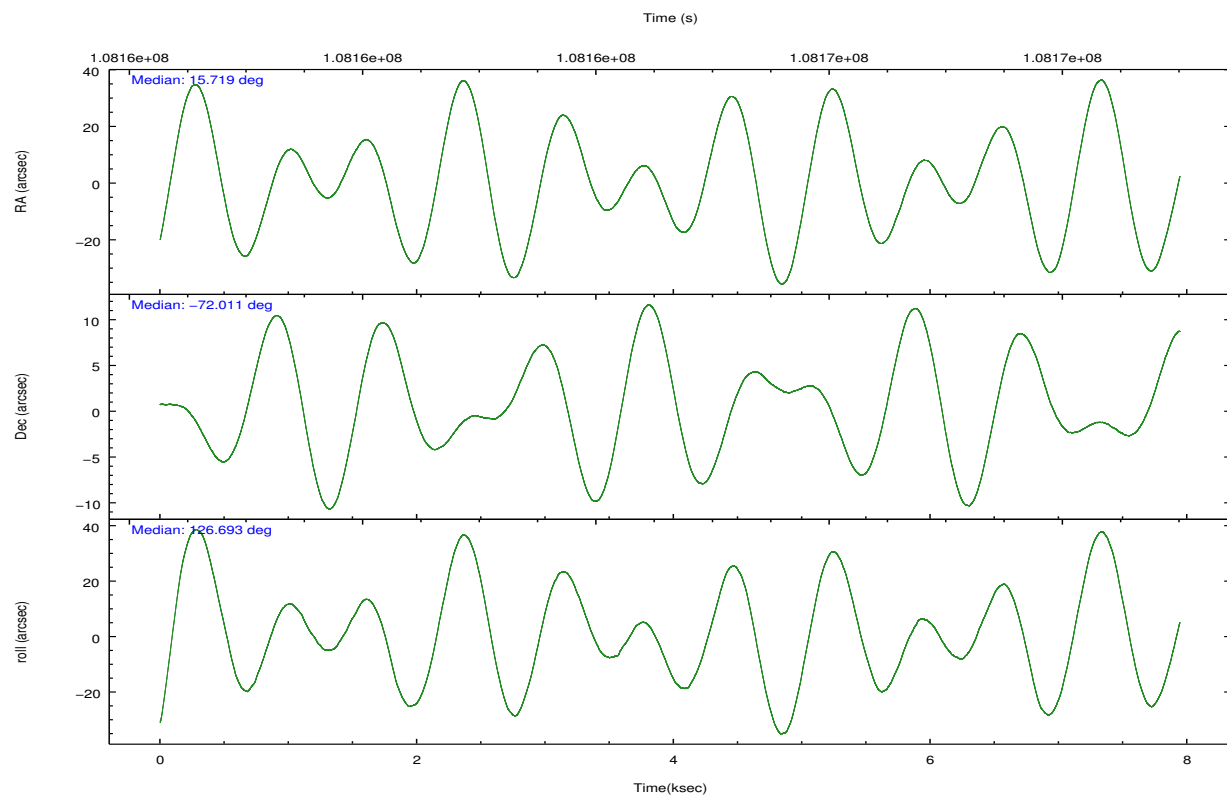
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	45126	71631	49373	50580	52429	65071	grade 0 events	2518	26402	2655	2955	2979	3054
rejected events	39385	38387	43330	44337	45740	37135		5%	36%	5%	5%	5%	4%
rejected %	87%	53%	87%	87%	87%	57%	grade 1 events	21	256	28	26	31	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	1195	3250	1282	1132	1280	5722
								2%	4%	2%	2%	2%	8%
							grade 3 events	518	1101	524	588	619	2690
								1%	1%	1%	1%	1%	4%
							grade 4 events	490	1125	531	579	602	2531
								1%	1%	1%	1%	1%	3%
							grade 5 events	1658	1910	1652	1838	2107	6095
								3%	2%	3%	3%	4%	9%
							grade 6 events	1024	1372	1054	995	1213	13943
								2%	1%	2%	1%	2%	21%
							grade 7 events	37702	36215	41647	42467	43598	30958
								83%	50%	84%	83%	83%	47%

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	15.799705	15.71799578704019	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.021328	-72.0105244343238	Alternating exposures requested	N	N
[deg] Pointing Roll	126.568087	126.6990568746751	[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)	108160856.184000	108160480.19696			
Observation start date	2001-06-05T20:39:52	2001-06-05T20:34:40			
[s] Observation end time (MET)	108168611.184000	108168744.77228			
Observation end date	2001-06-05T22:49:07	2001-06-05T22:52:24			
Read mode	TIMED	TIMED			

2.3 Aspect



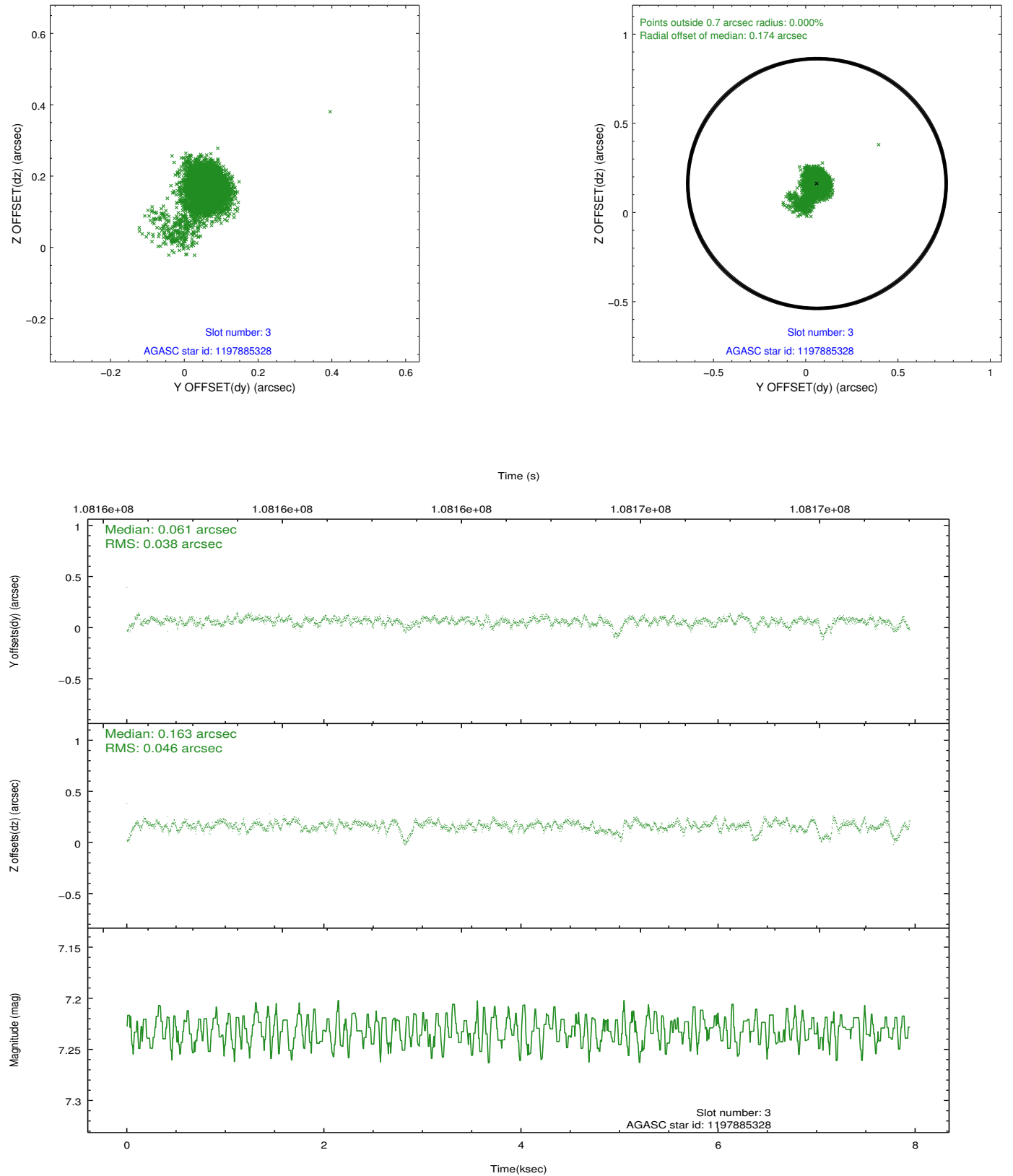


Slot Statistics

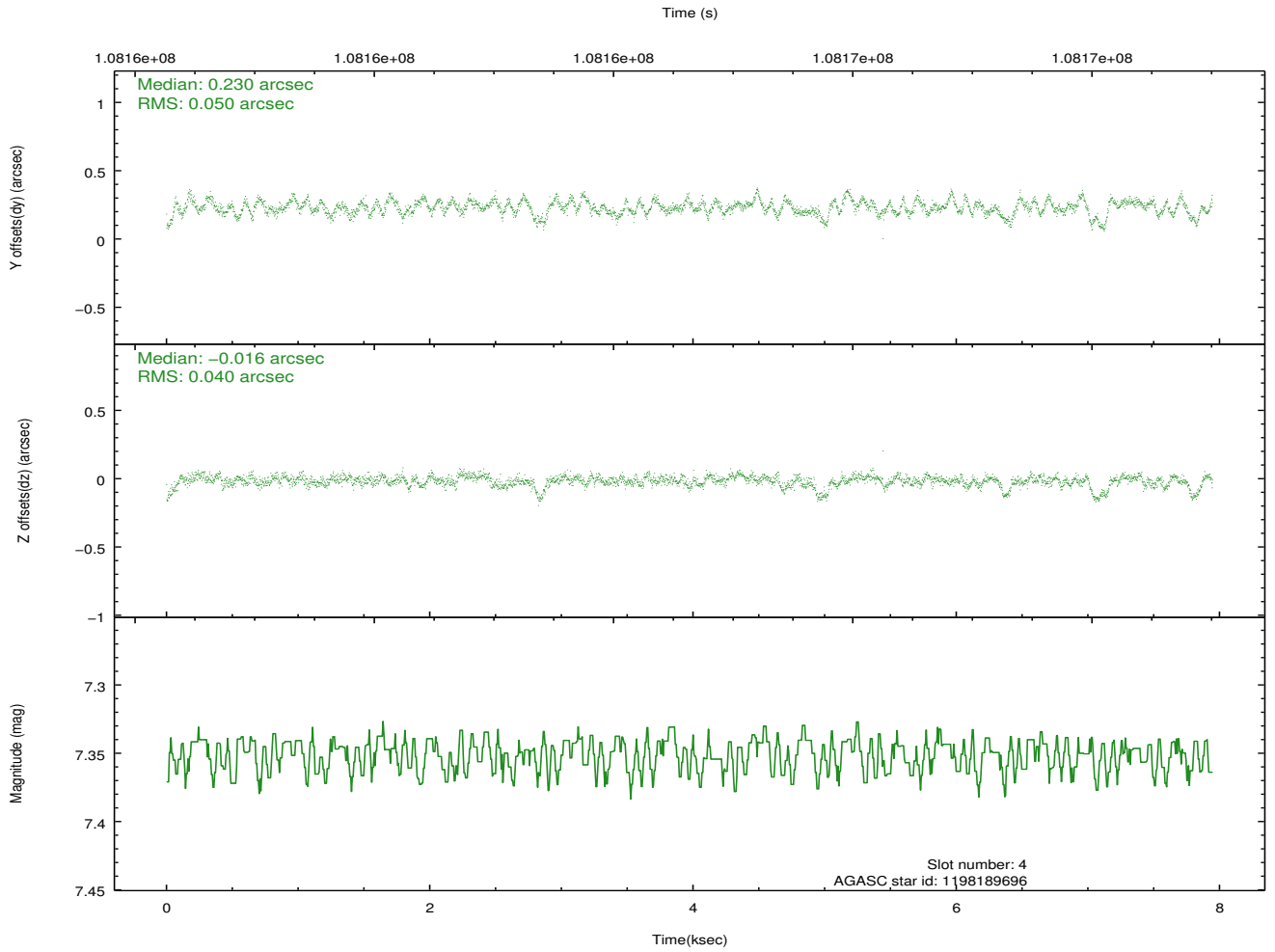
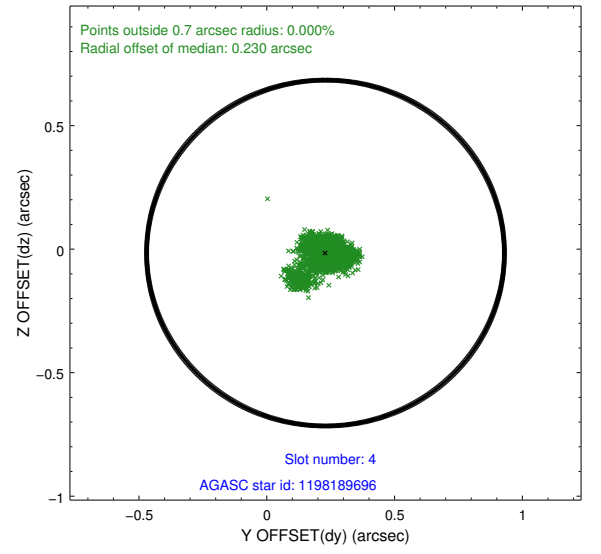
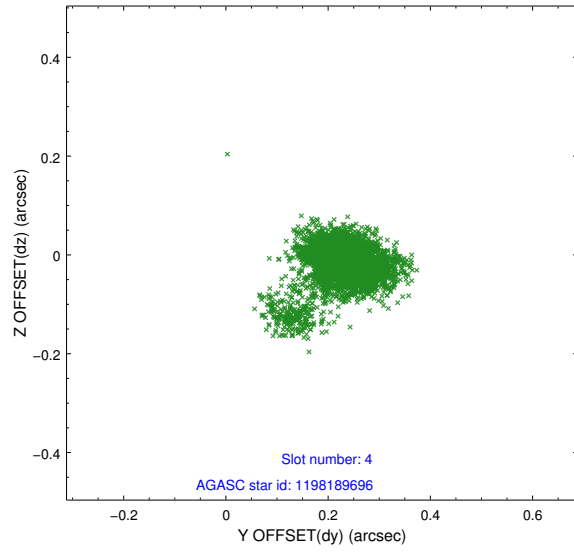
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1938	-0.030	-0.047	0.010	0.017	0.000000	0.000000	-756.51	-835.65
1	FID	ACIS-I-4	7.18	1938	-0.031	0.038	0.008	0.016	0.000000	0.000000	2157.22	1070.26
2	FID	ACIS-I-5	7.23	1938	-0.041	0.078	0.009	0.016	0.000000	0.000000	-1809.44	1068.94
3	GUIDE	1197885328	7.23	3877	0.061	0.163	0.055	0.126	16.283090	-71.733943	505.14	-1052.87
4	GUIDE	1198189696	7.35	3877	0.230	-0.016	0.060	0.131	15.223750	-72.697522	-1589.24	1947.12
5	GUIDE	1197750936	7.58	3877	0.007	0.174	0.064	0.122	15.387940	-71.549550	1642.68	-633.04
6	GUIDE	1197884536	8.50	3876	0.124	0.147	0.065	0.116	17.160729	-71.835289	-384.42	-1615.27
7	BAD	1197749416	10.29	3576	-0.447	-0.490	0.125	0.202	13.610513	-71.871242	1859.73	1674.00

2.4 Star Slots

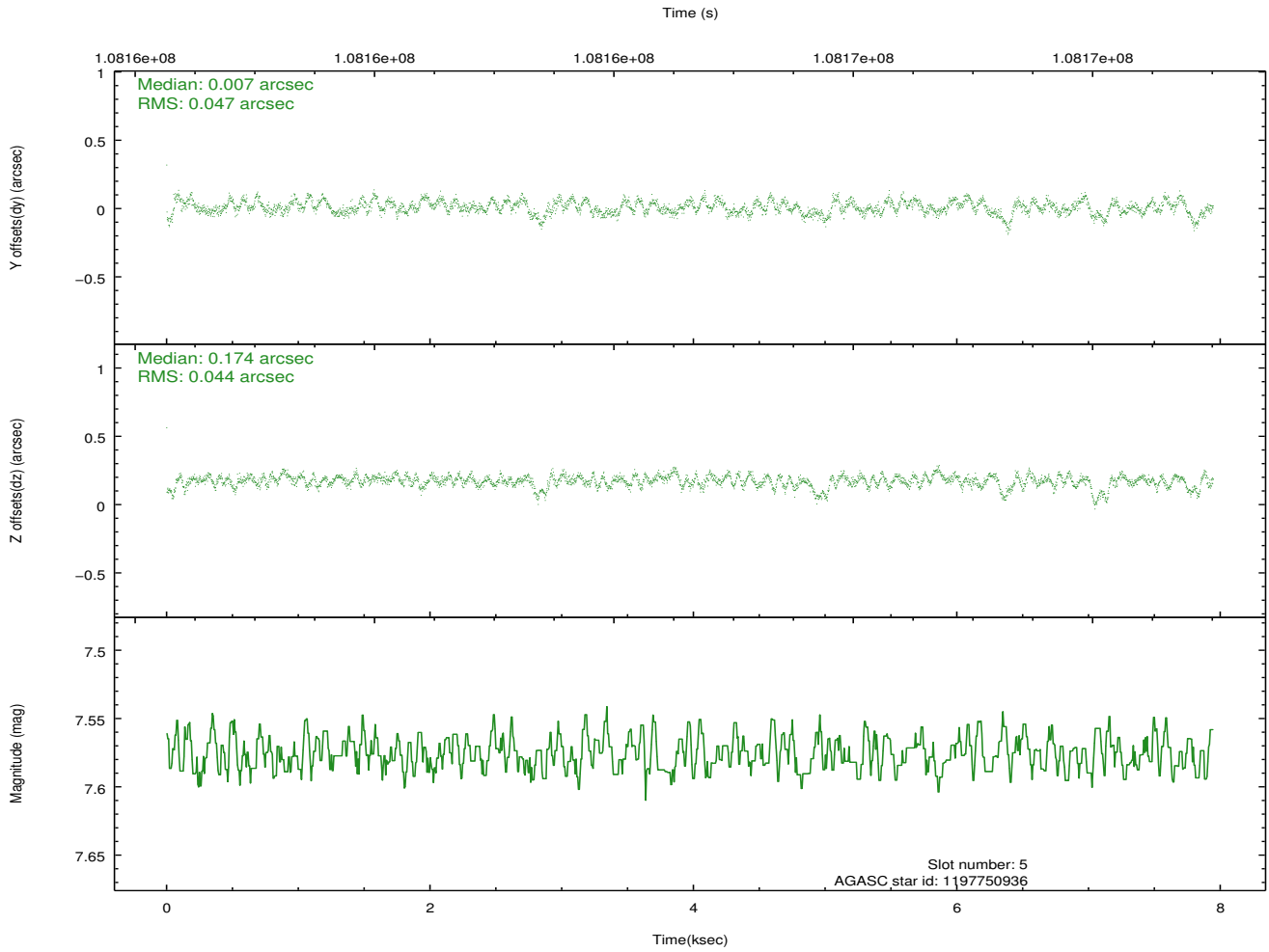
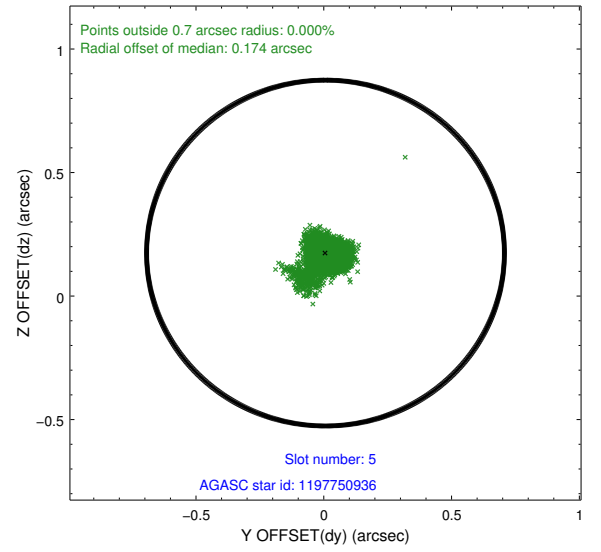
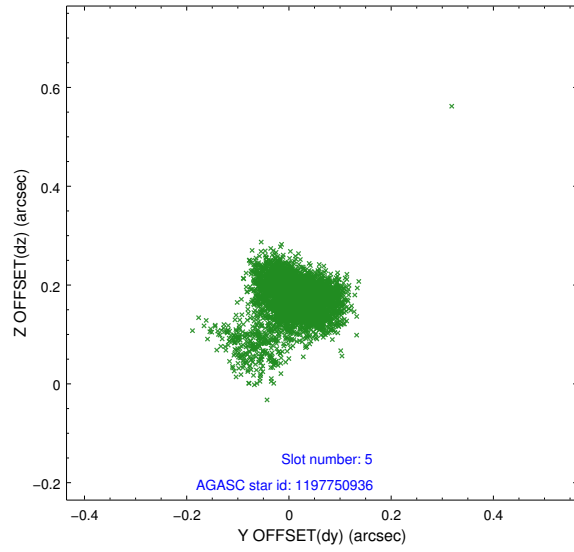
2.4.1 Slot 3



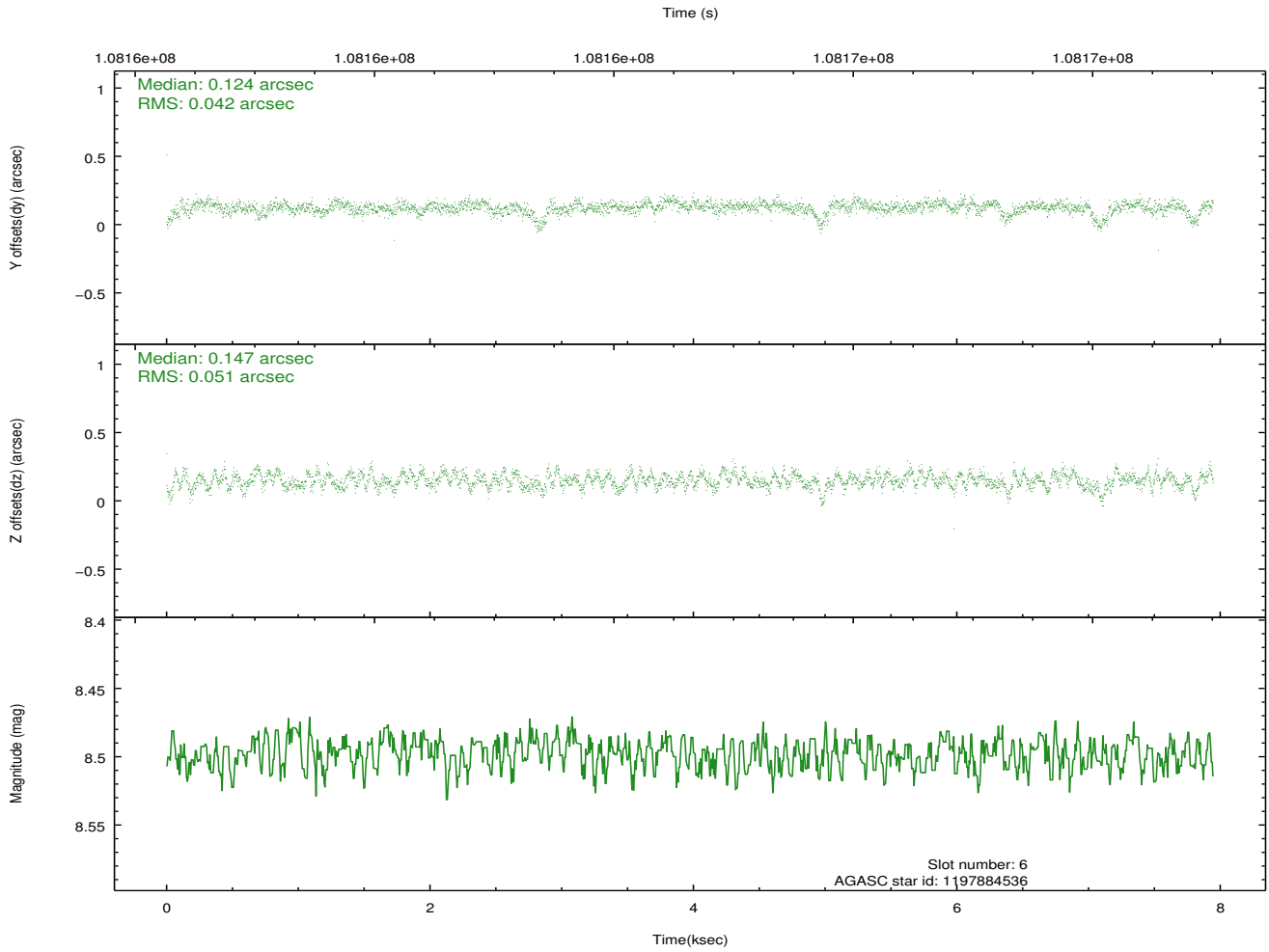
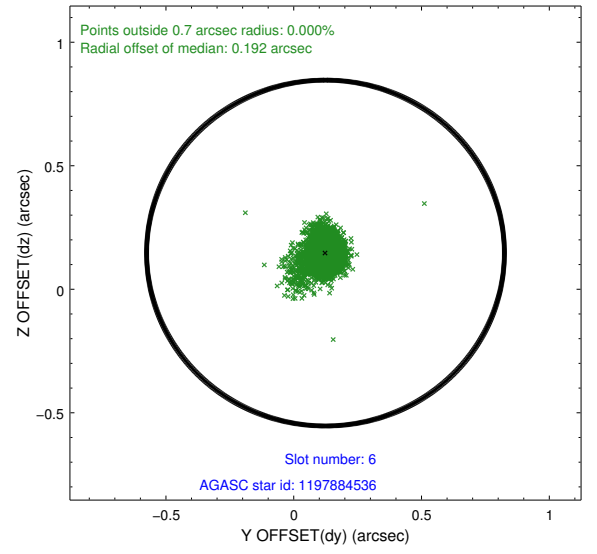
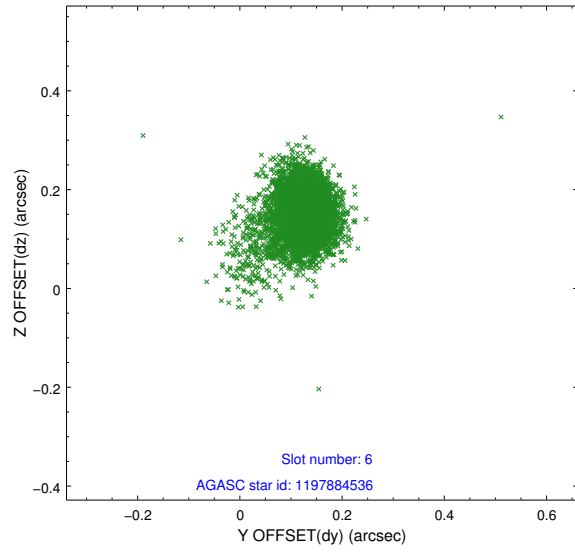
2.4.2 Slot 4



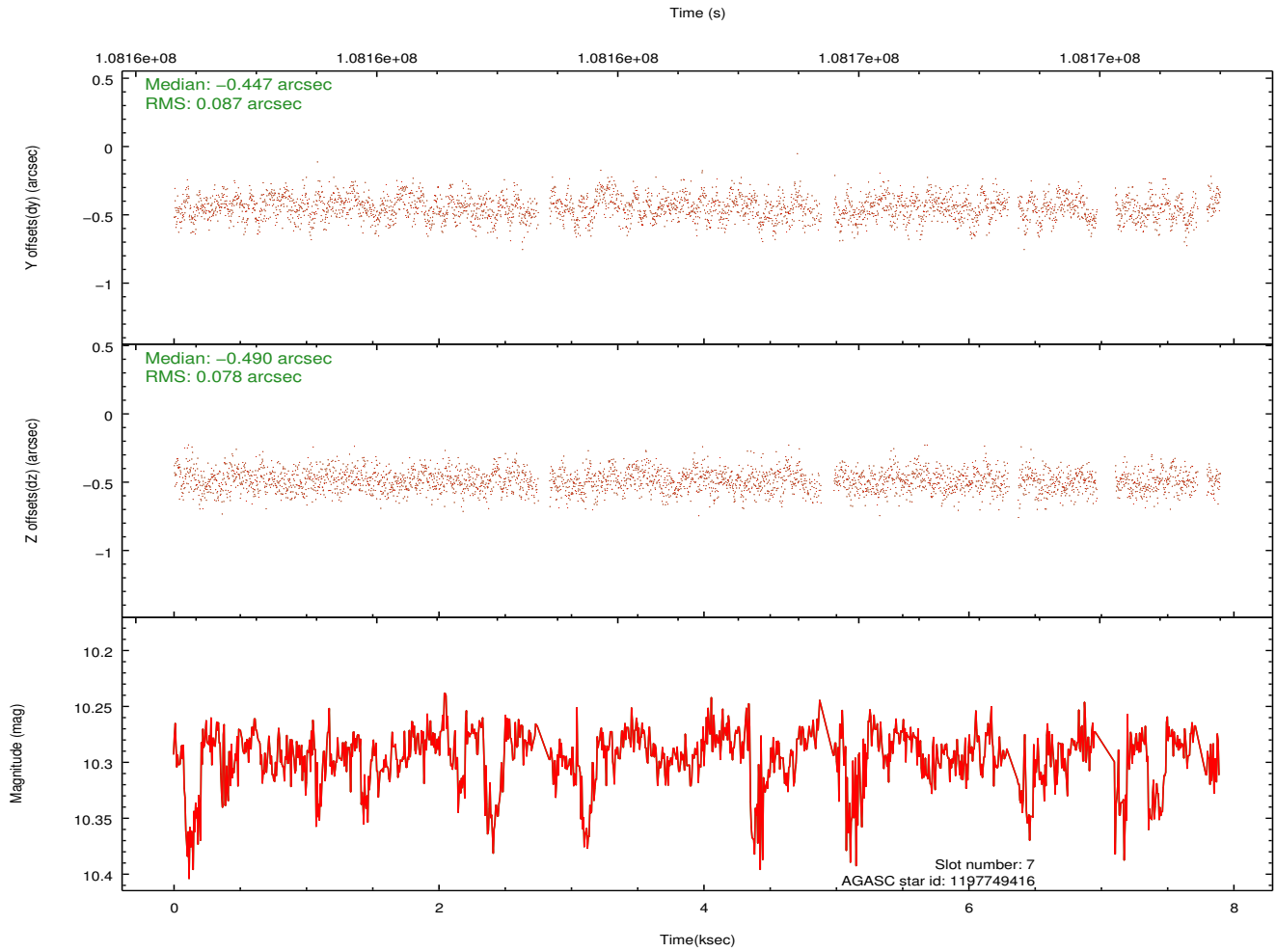
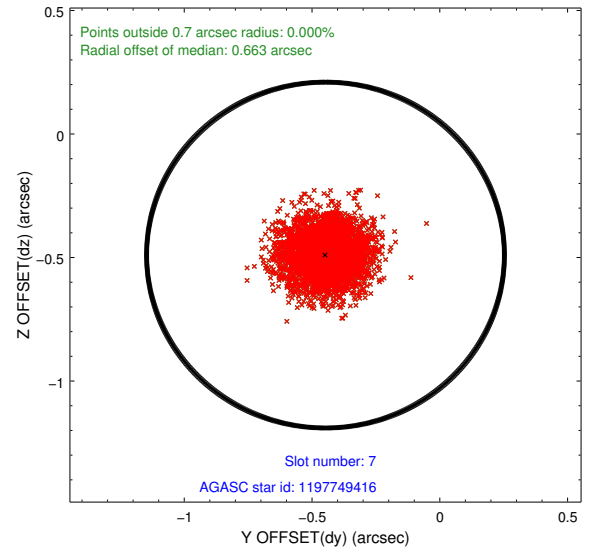
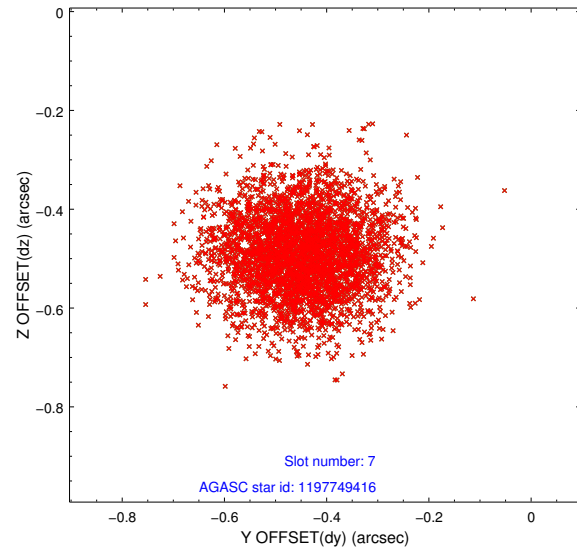
2.4.3 Slot 5



2.4.4 Slot 6

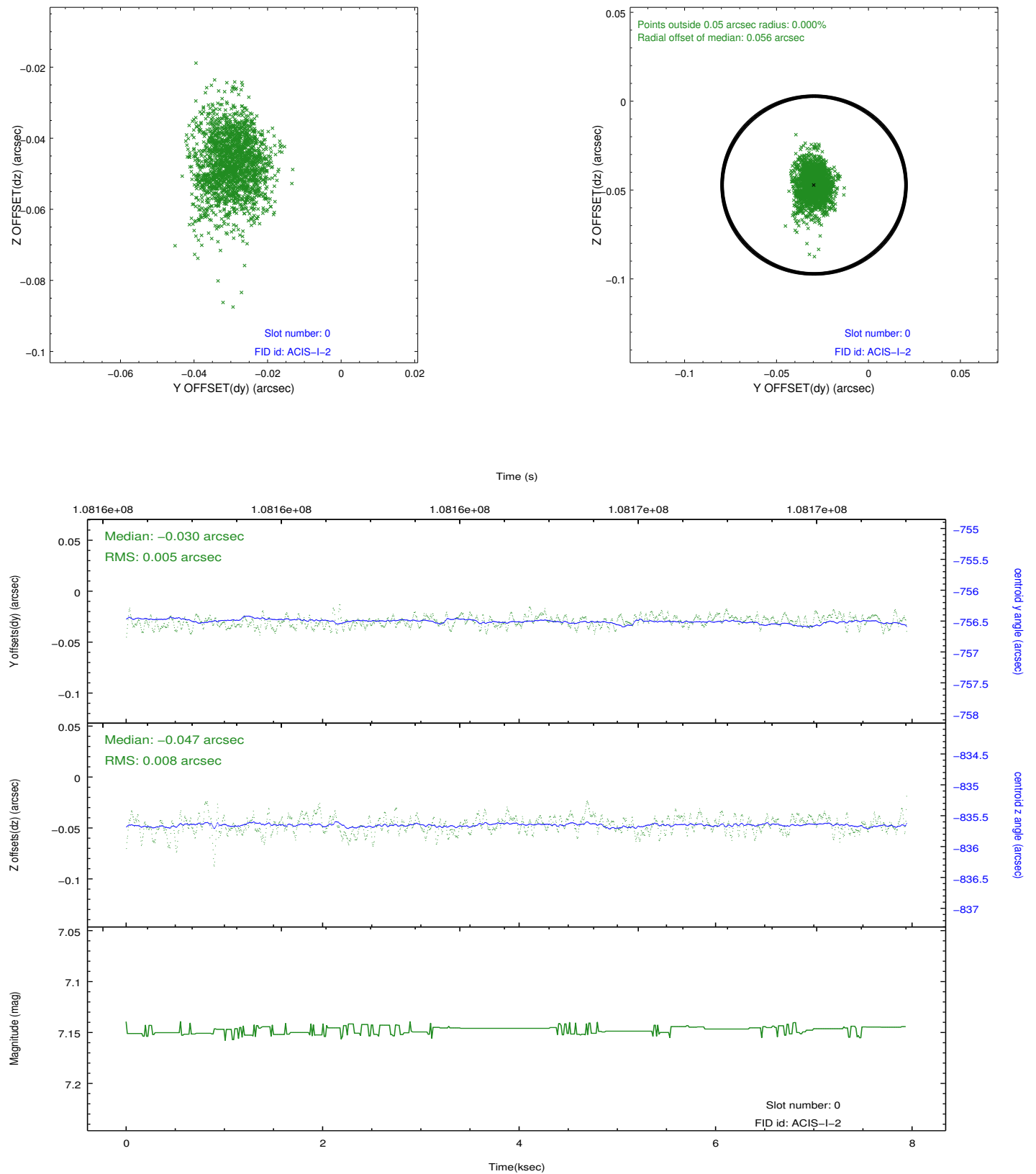


2.4.5 Slot 7

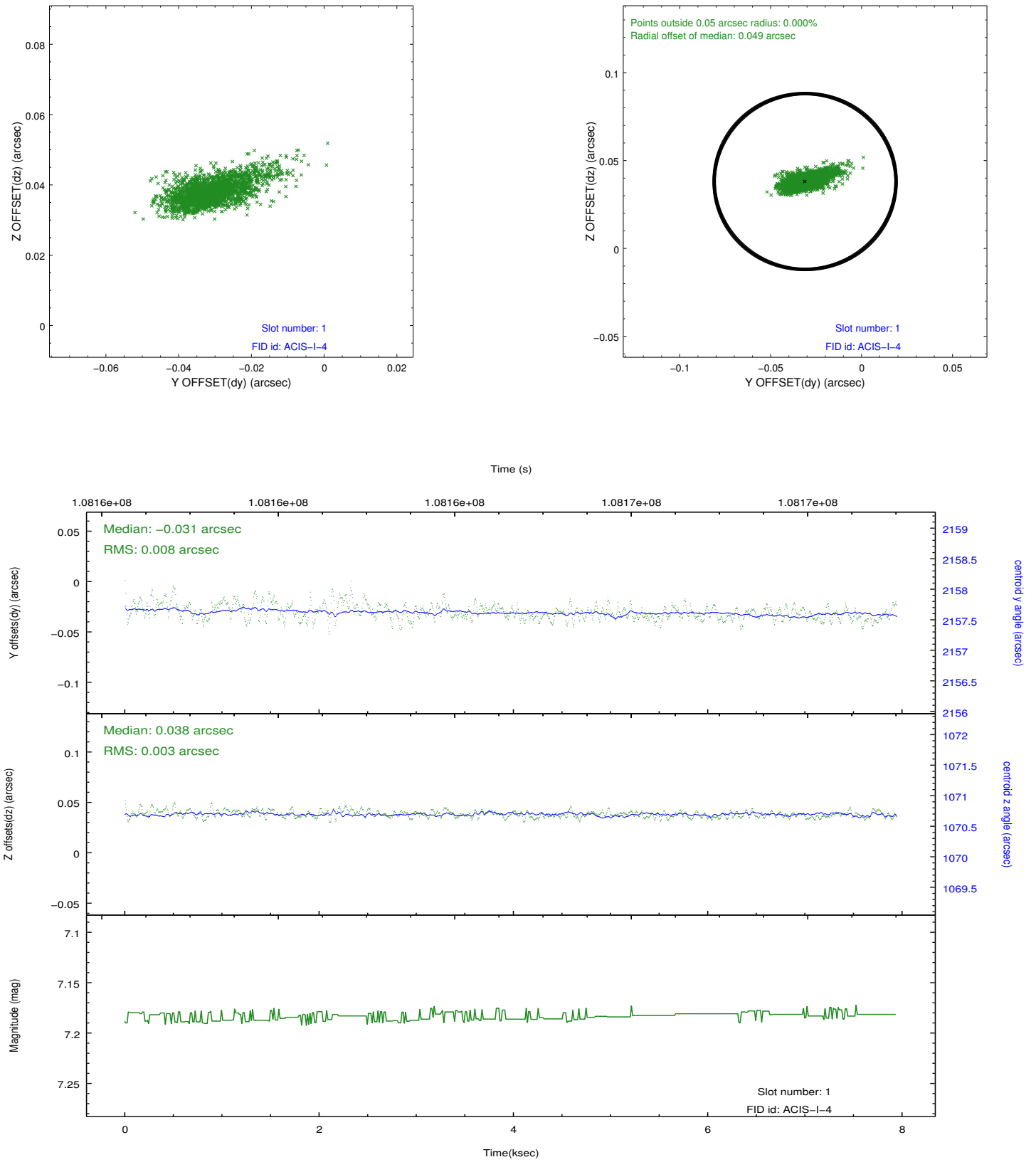


2.5 FID Slots

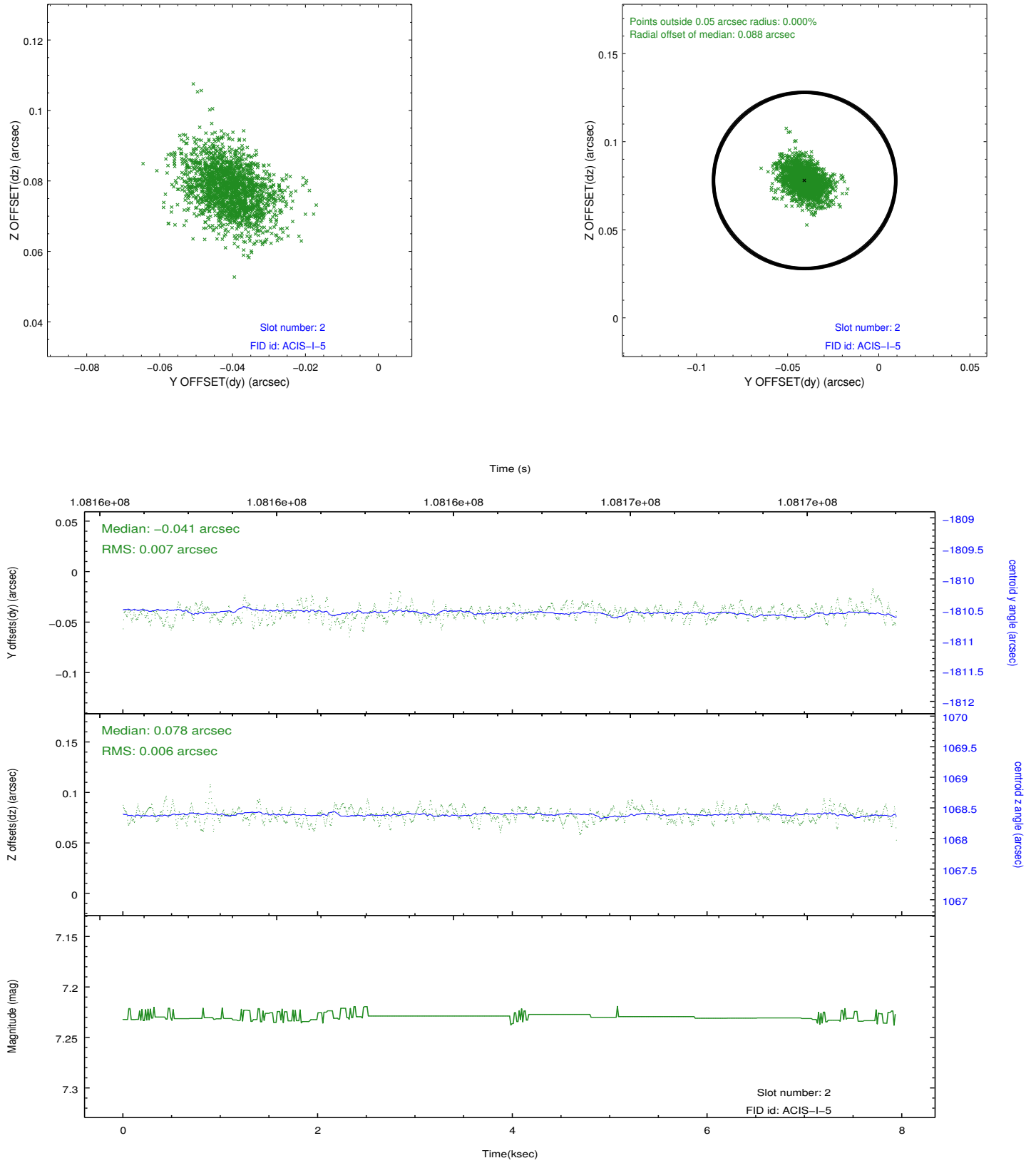
2.5.1 Slot 0



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.