

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3846 - L2 Version 3
Chandra X-Ray Center

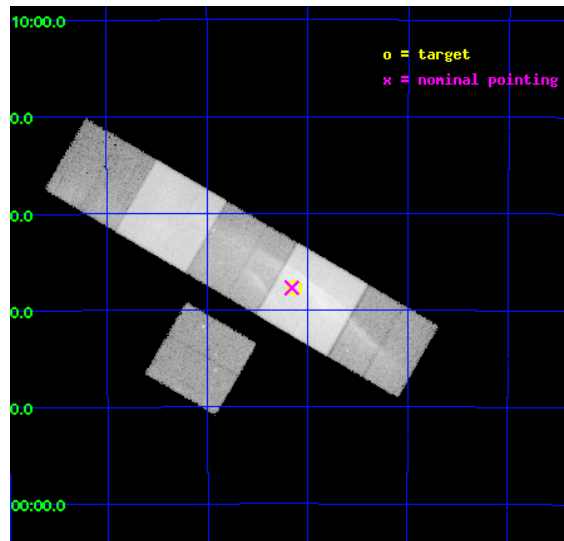
L2 Processing Date : Oct 20 2012

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1 Front

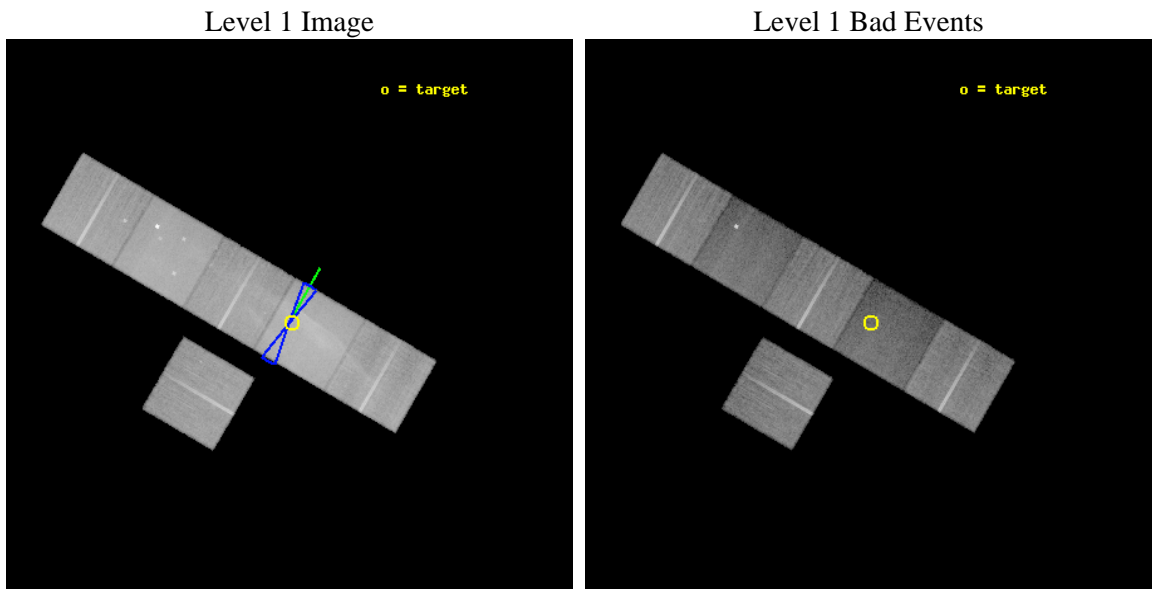
seq_num	500325	Sequence number
obs_id	3846	Observation id
title	A STUDY OF THE X-RAY LUMINOUS NORTHWESTERN RIM OF THE GALACTIC SUPERNOVA REMNANT G266.2-1.2	Proposal title
observer	Dr. Thomas Pannuti	Principal investigator
object	G266.2-1.2 - NW	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.283	Observer's specified target RA [deg]
dec_targ	-45.629	Observer's specified target Dec [deg]
ra_nom	132.28916142207	Nominal RA [deg]
dec_nom	-45.628447316145	Nominal Dec [deg]
roll_nom	30.161027074016	Nominal Roll [deg]
revision	3	Processing version of data
ontime	39957.306930661	Sum of GTIs [s]
livetime	39451.343450903	Livetime [s]
ontime2	39950.660810143	Sum of GTIs [s]
ontime4	39957.347970665	Sum of GTIs [s]
ontime5	39957.265890658	Sum of GTIs [s]
ontime6	39953.983880371	Sum of GTIs [s]
ontime7	39957.306930661	Sum of GTIs [s]
ontime8	39953.942840368	Sum of GTIs [s]
l2events	742676	Number of level 2 events



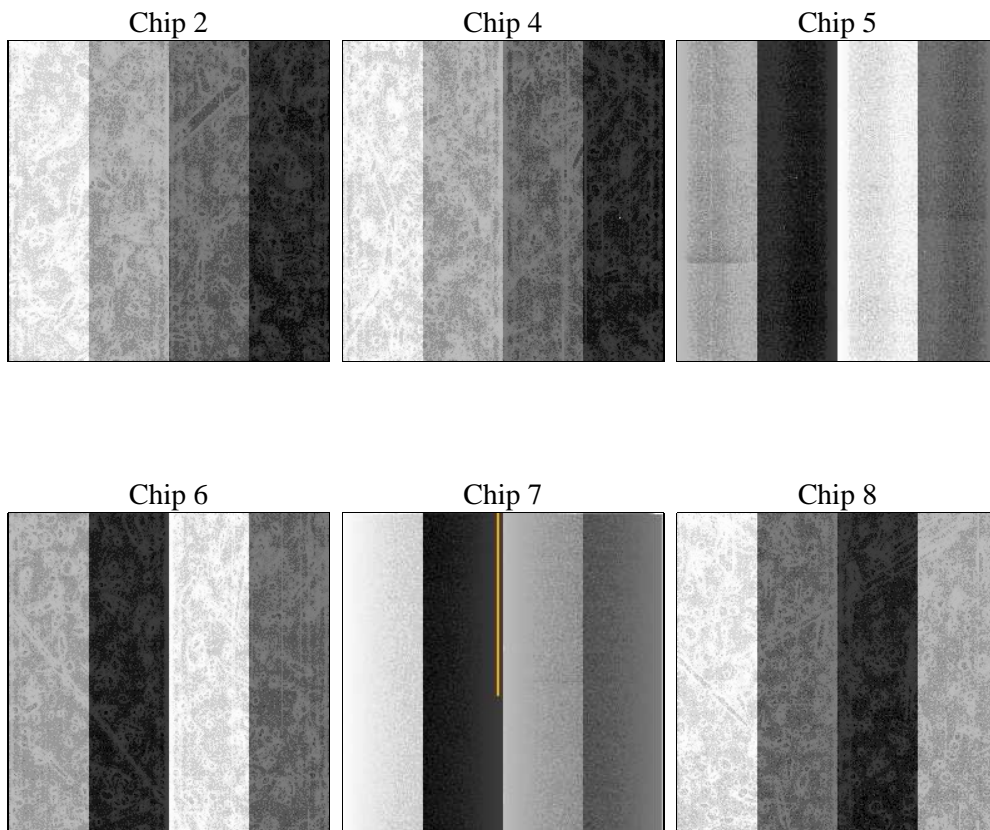
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39957.306930661	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	39950.660810143	Sum of GTIs [s]
date	2012-10-20T17:10:07	Date and time of file creation	ontime4	39957.347970665	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	39957.265890658	Sum of GTIs [s]
			ontime6	39953.983880371	Sum of GTIs [s]
			ontime7	39957.306930661	Sum of GTIs [s]
			ontime8	39953.942840368	Sum of GTIs [s]
			l1events	1794761	Number of level 1 events

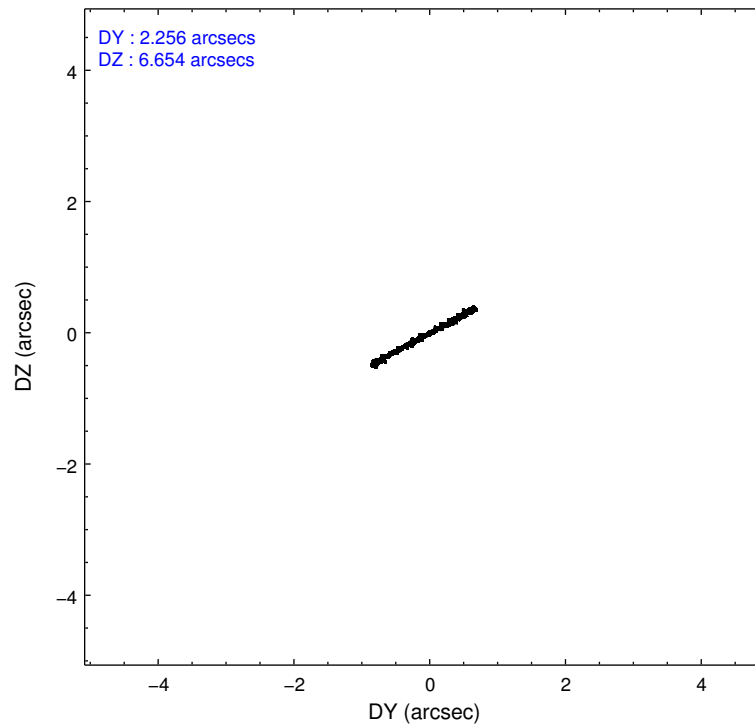
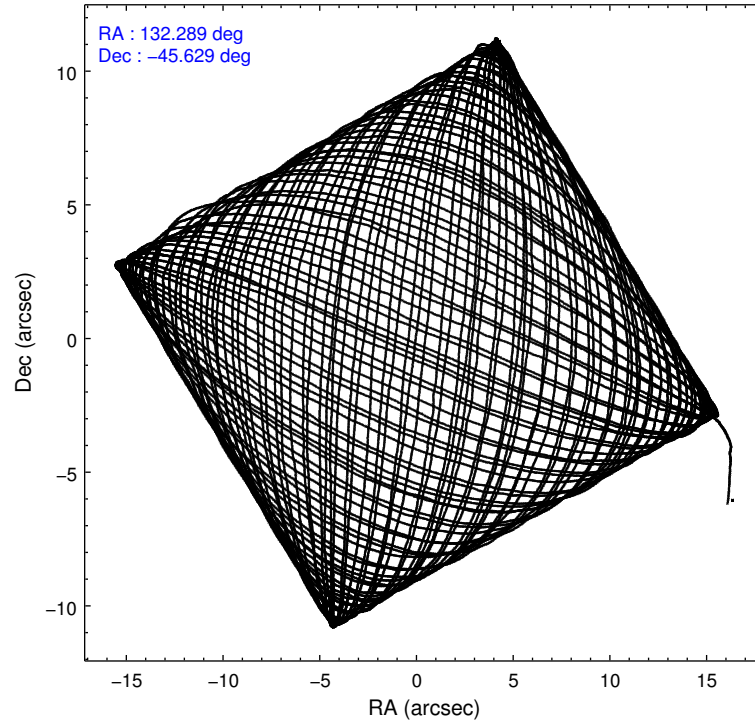
2.1.4 Events

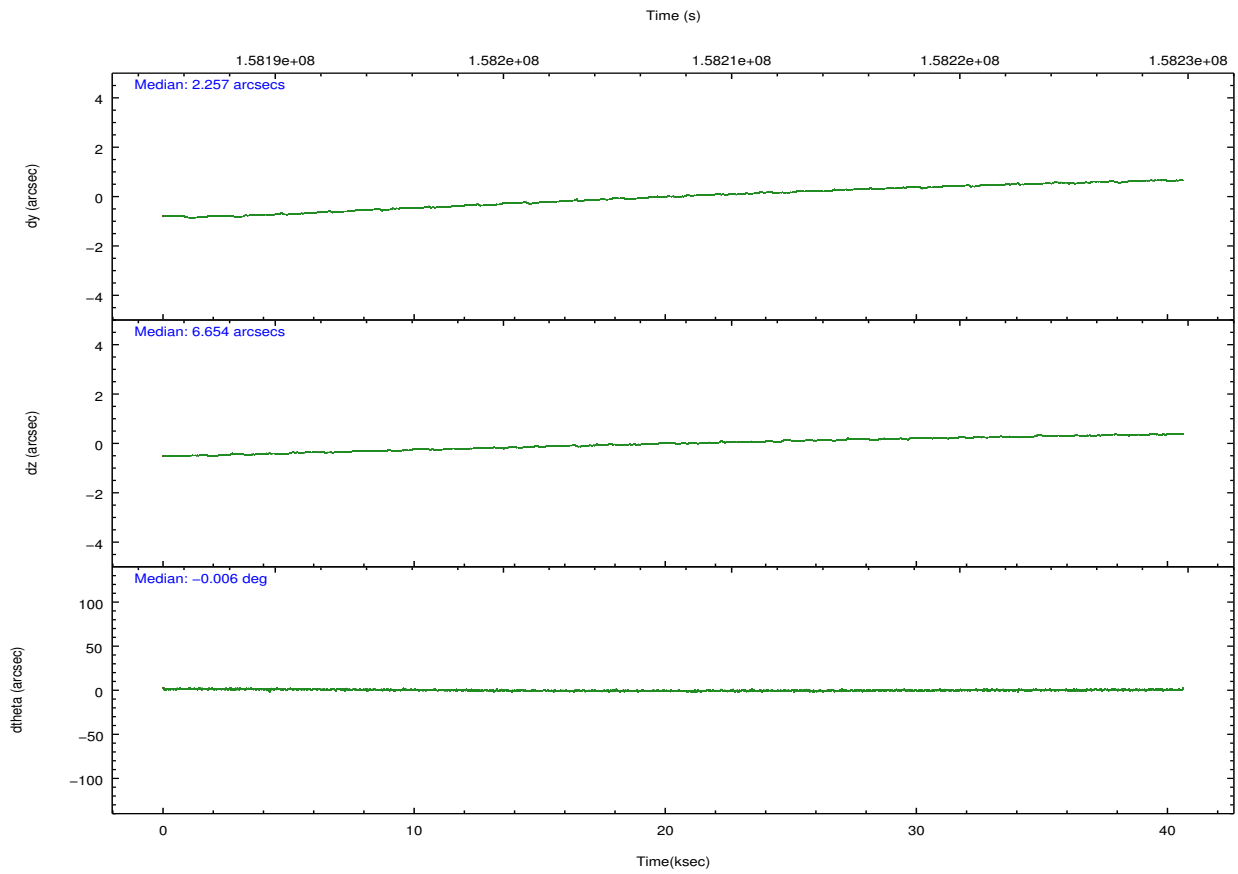
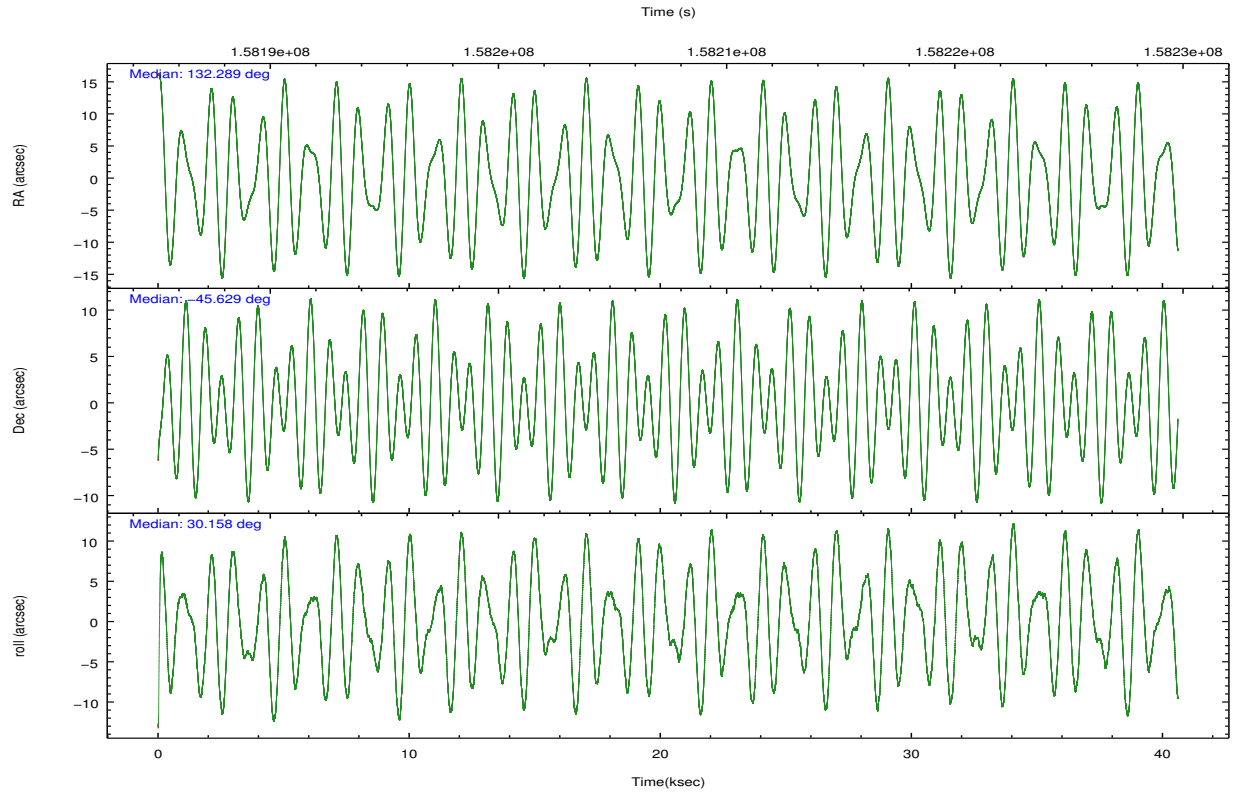
	ccd 2	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	229913	254253	340750	272210	414316	283319	grade 0 events	28893	29099	64545	69162	115967	51303
rejected events	187163	210094	112895	181861	92445	187604		12%	11%	18%	25%	27%	18%
rejected %	81%	82%	33%	66%	22%	66%	grade 1 events	184	314	3582	305	231	306
								0%	0%	1%	0%	0%	0%
							grade 2 events	5749	6365	64543	9464	73185	15187
								2%	2%	18%	3%	17%	5%
							grade 3 events	2418	2669	14801	3541	32138	7281
								1%	1%	4%	1%	7%	2%
							grade 4 events	2430	2617	14624	3449	31539	6644
								1%	1%	4%	1%	7%	2%
							grade 5 events	5327	6335	20473	6658	20954	9709
								2%	2%	6%	2%	5%	3%
							grade 6 events	3265	3410	69357	4738	69077	15309
								1%	1%	20%	1%	16%	5%
							grade 7 events	181647	203444	88825	174893	71225	177580
								79%	80%	26%	64%	17%	62%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-245678	ACIS-245678	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	132.270254	132.289161422073	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.652229	-45.62844731614536	Alternating exposures requested	N	N
[deg] Pointing Roll	29.990887	30.16102707401623	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	30.000000	30.000000			
[deg] Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	Y	Y			
[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)	158187736.184000	158186563.54735			
Observation start date	2003-01-05T21:01:12	2003-01-05T20:42:43			
[s] Observation end time (MET)	158227736.184000	158228561.3866			
Observation end date	2003-01-06T08:07:52	2003-01-06T08:22:41			
Read mode	TIMED	TIMED			

2.3 Aspect



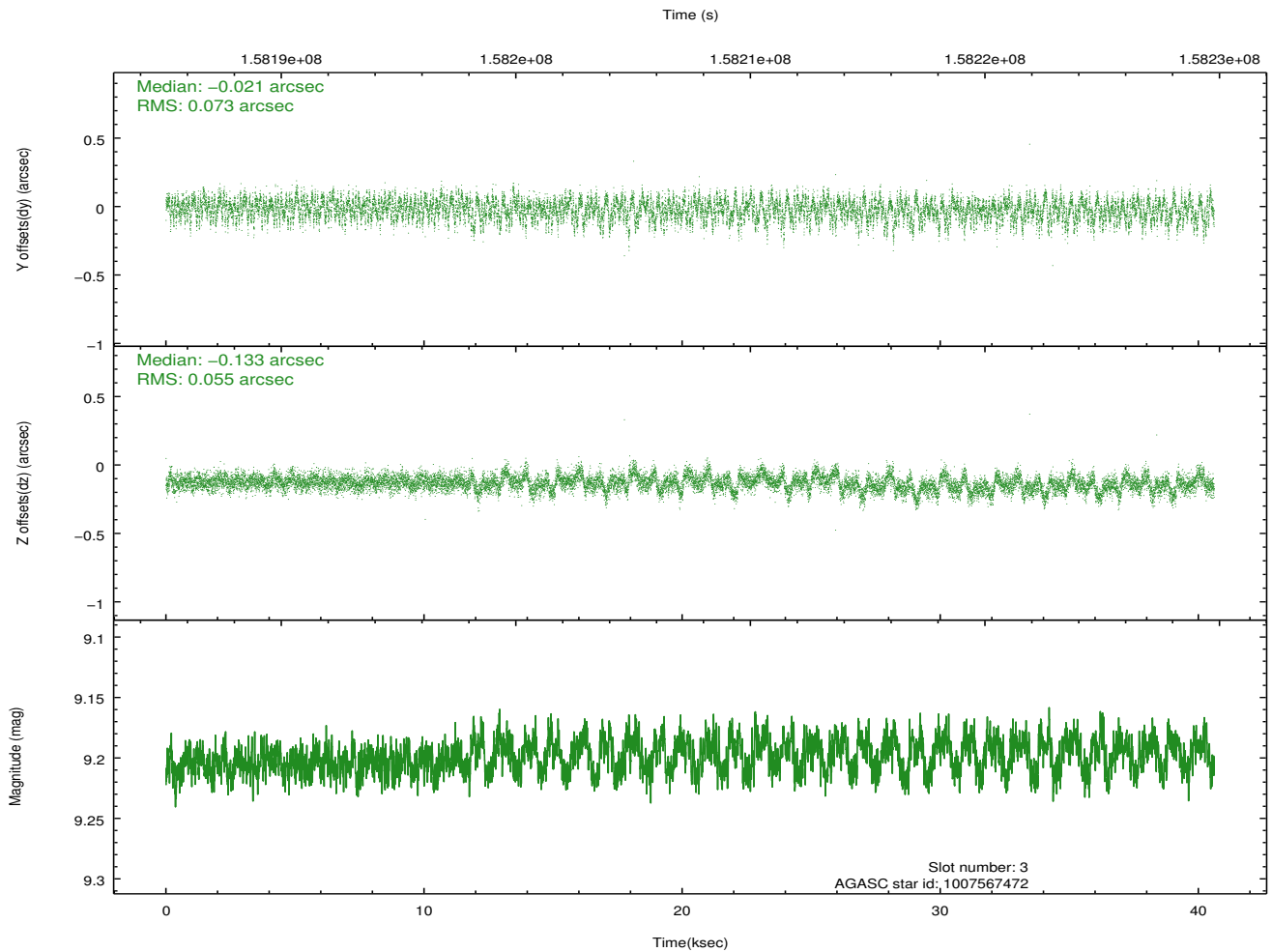
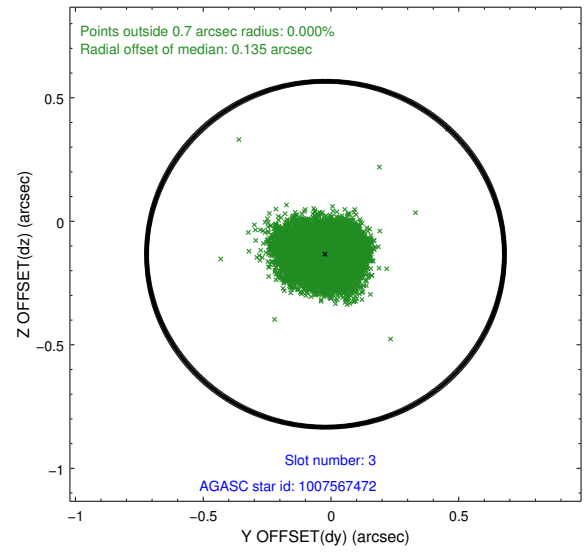
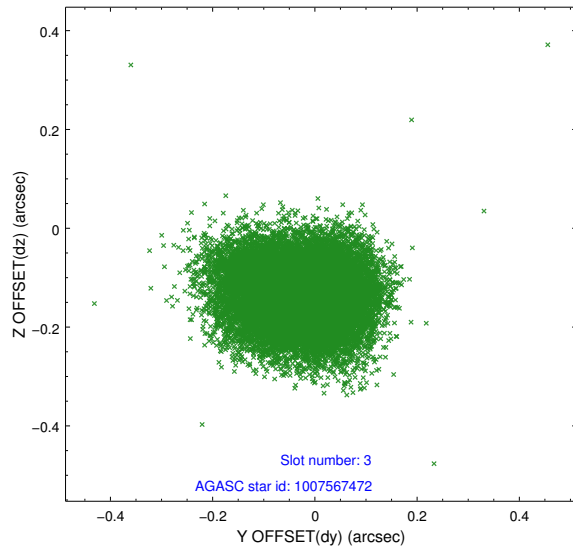


Slot Statistics

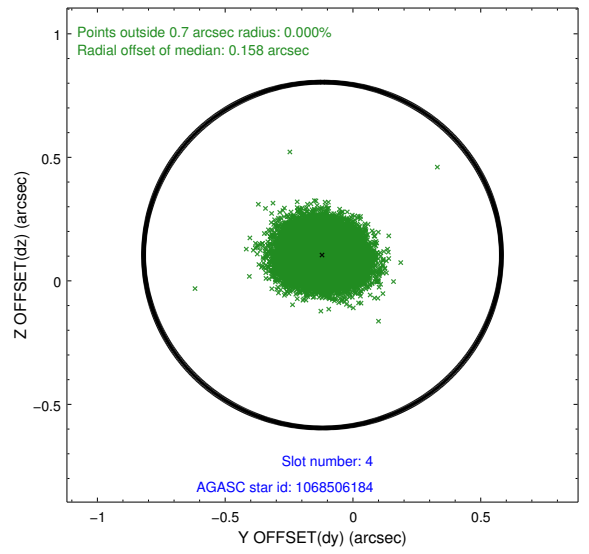
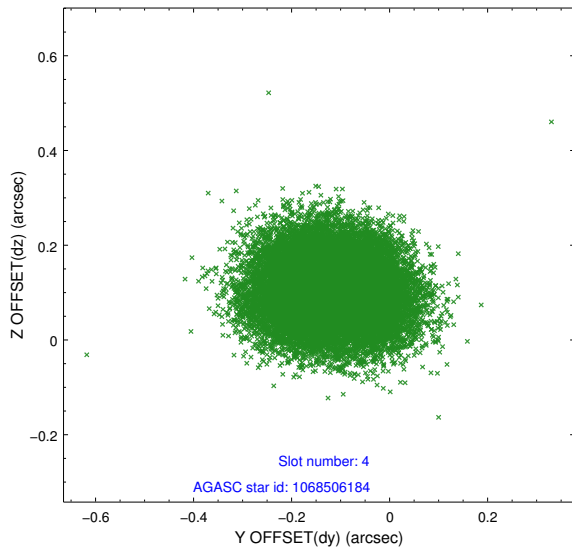
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	9906	0.005	-0.041	0.012	0.019	0.000000	0.000000	941.23	-1723.44
1	FID	ACIS-S-4	7.21	9904	-0.019	0.008	0.010	0.015	0.000000	0.000000	2158.58	180.78
2	FID	ACIS-S-6	7.36	9905	-0.010	0.047	0.011	0.021	0.000000	0.000000	407.13	818.16
3	GUIDE	1007567472	9.20	19798	-0.021	-0.133	0.097	0.158	132.458388	-44.880848	1803.89	2164.97
4	GUIDE	1068506184	9.43	19801	-0.119	0.104	0.106	0.171	133.354089	-45.784106	2110.64	-1786.78
5	GUIDE	1068390080	8.91	19800	0.089	0.039	0.083	0.136	131.860714	-46.048812	-1600.57	-727.13
6	GUIDE	1068395856	8.23	19806	0.015	-0.033	0.066	0.106	131.866515	-46.451101	-2305.77	-1992.54
7	GUIDE	1068509768	9.66	19791	0.044	0.028	0.111	0.183	132.898806	-45.654489	1363.10	-802.78

2.4 Star Slots

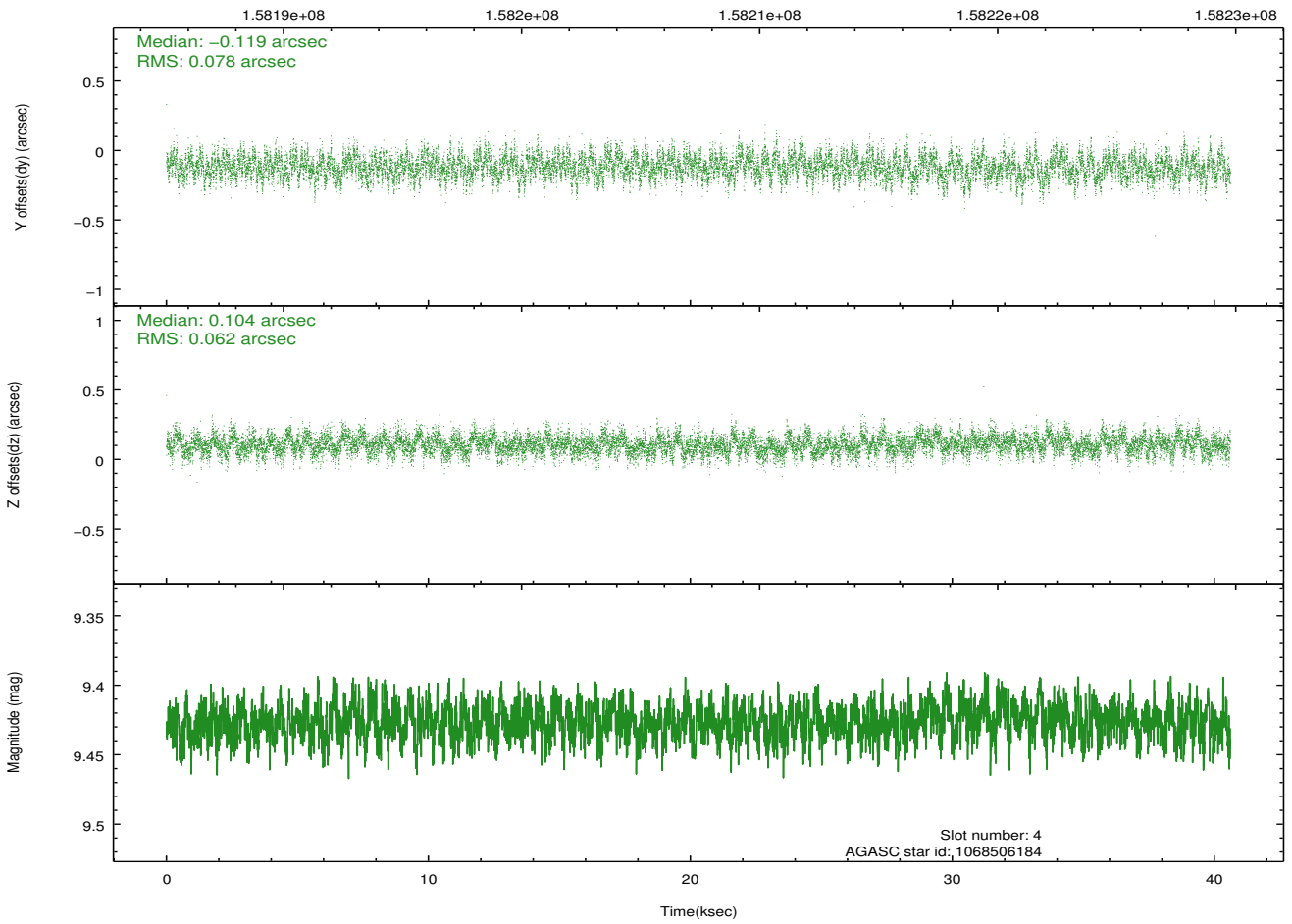
2.4.1 Slot 3



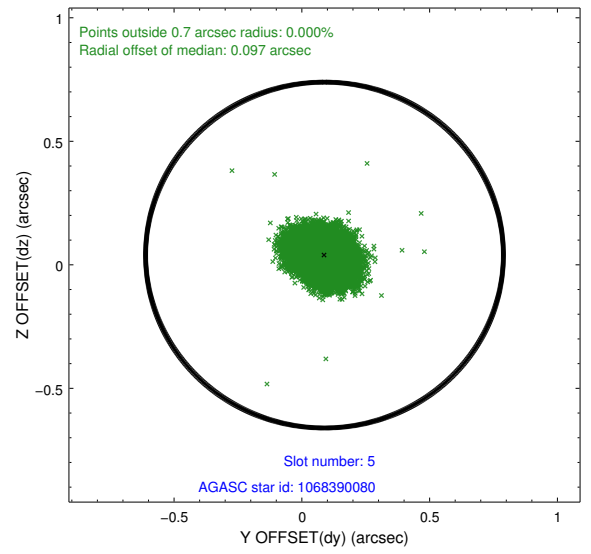
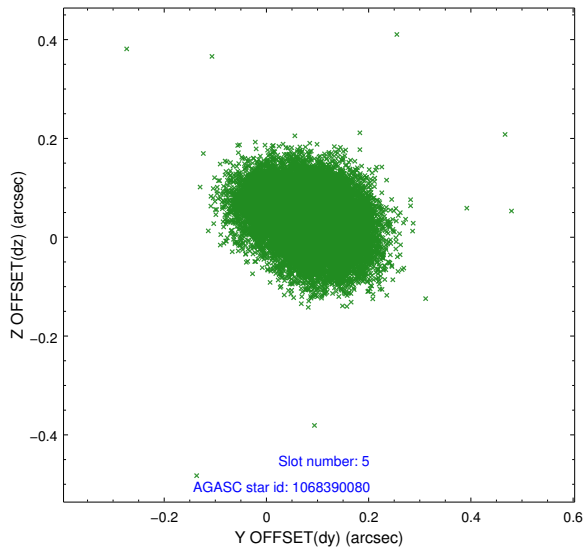
2.4.2 Slot 4



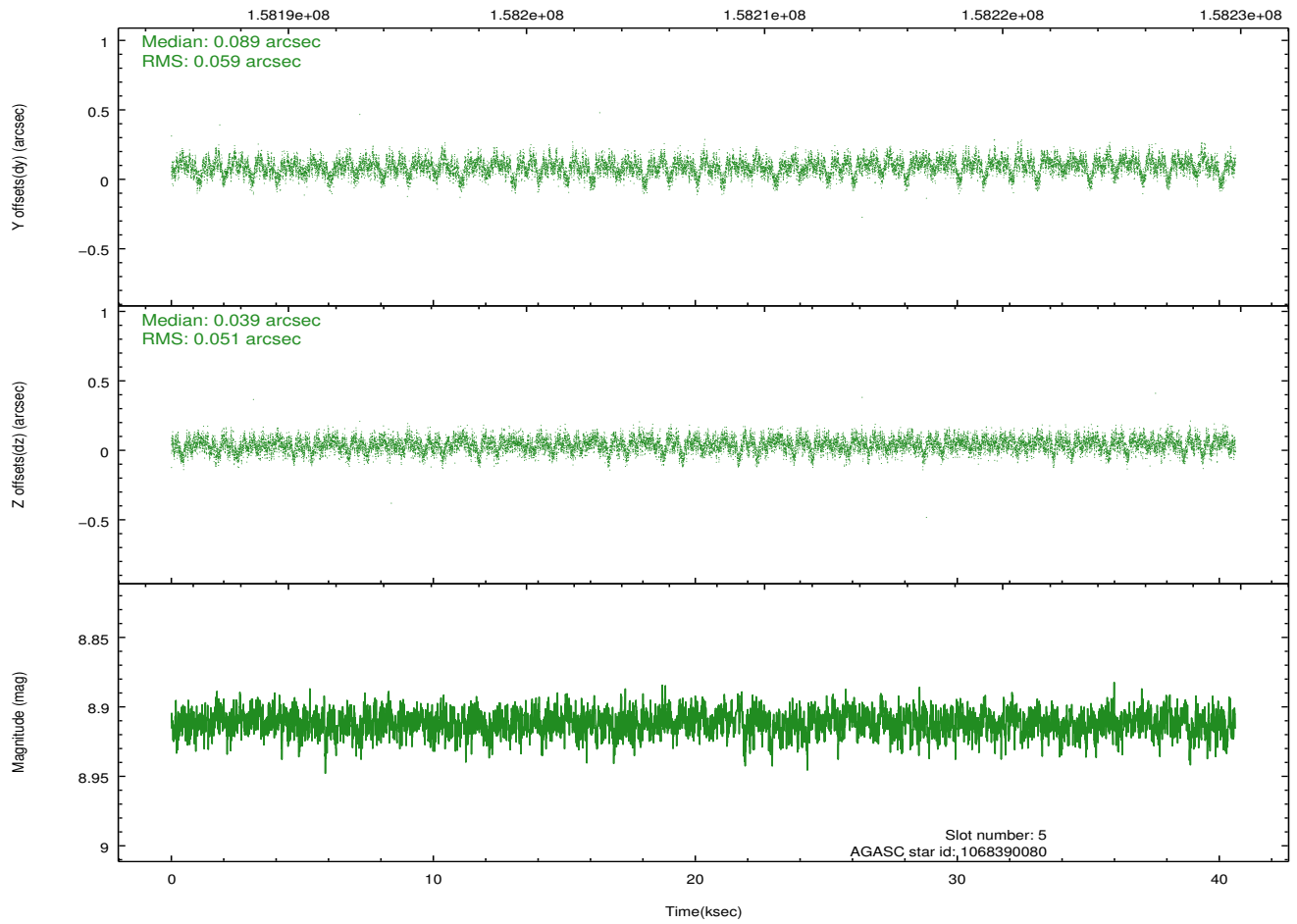
Time (s)



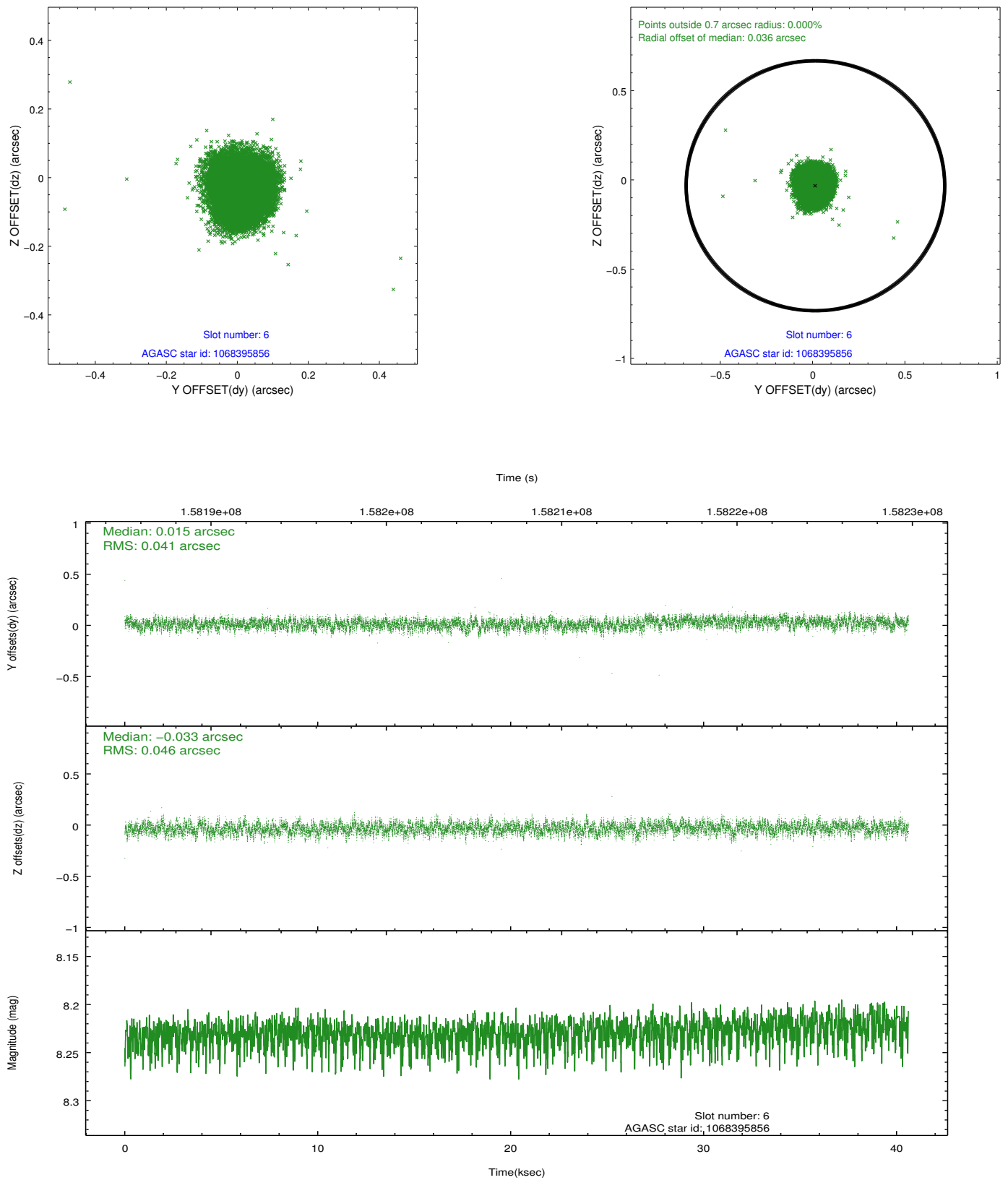
2.4.3 Slot 5



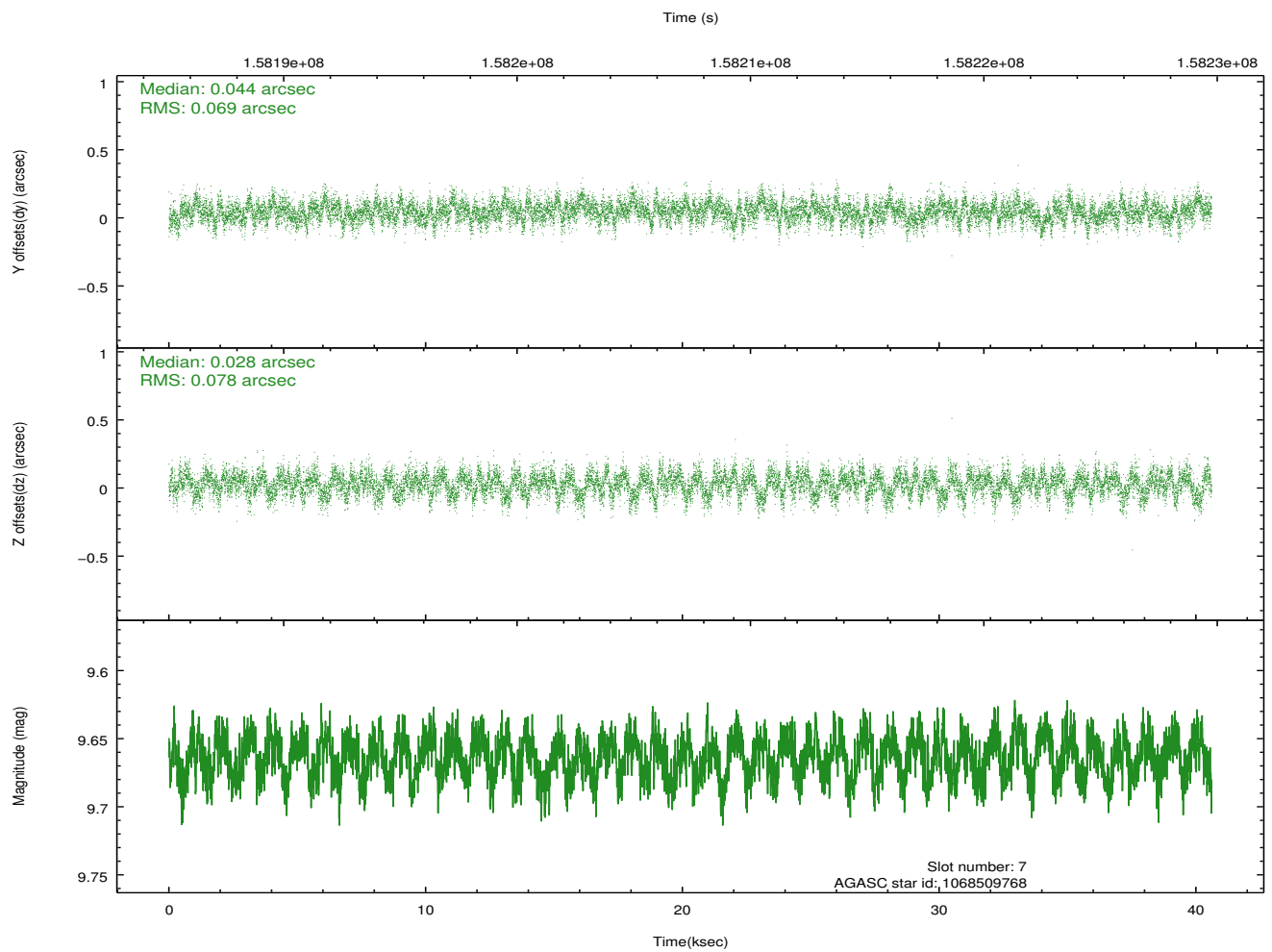
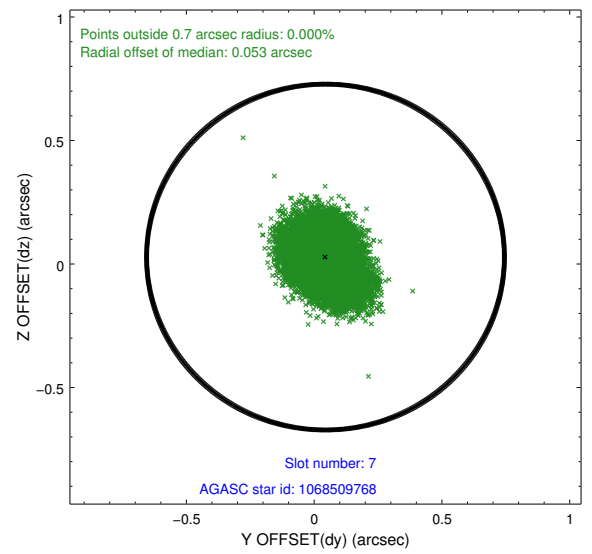
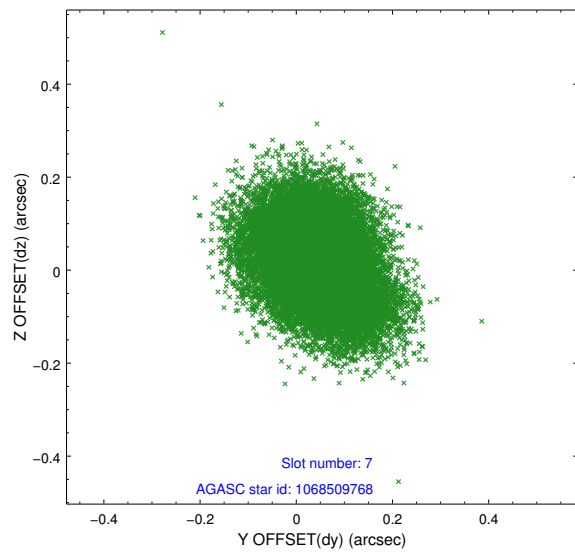
Time (s)



2.4.4 Slot 6

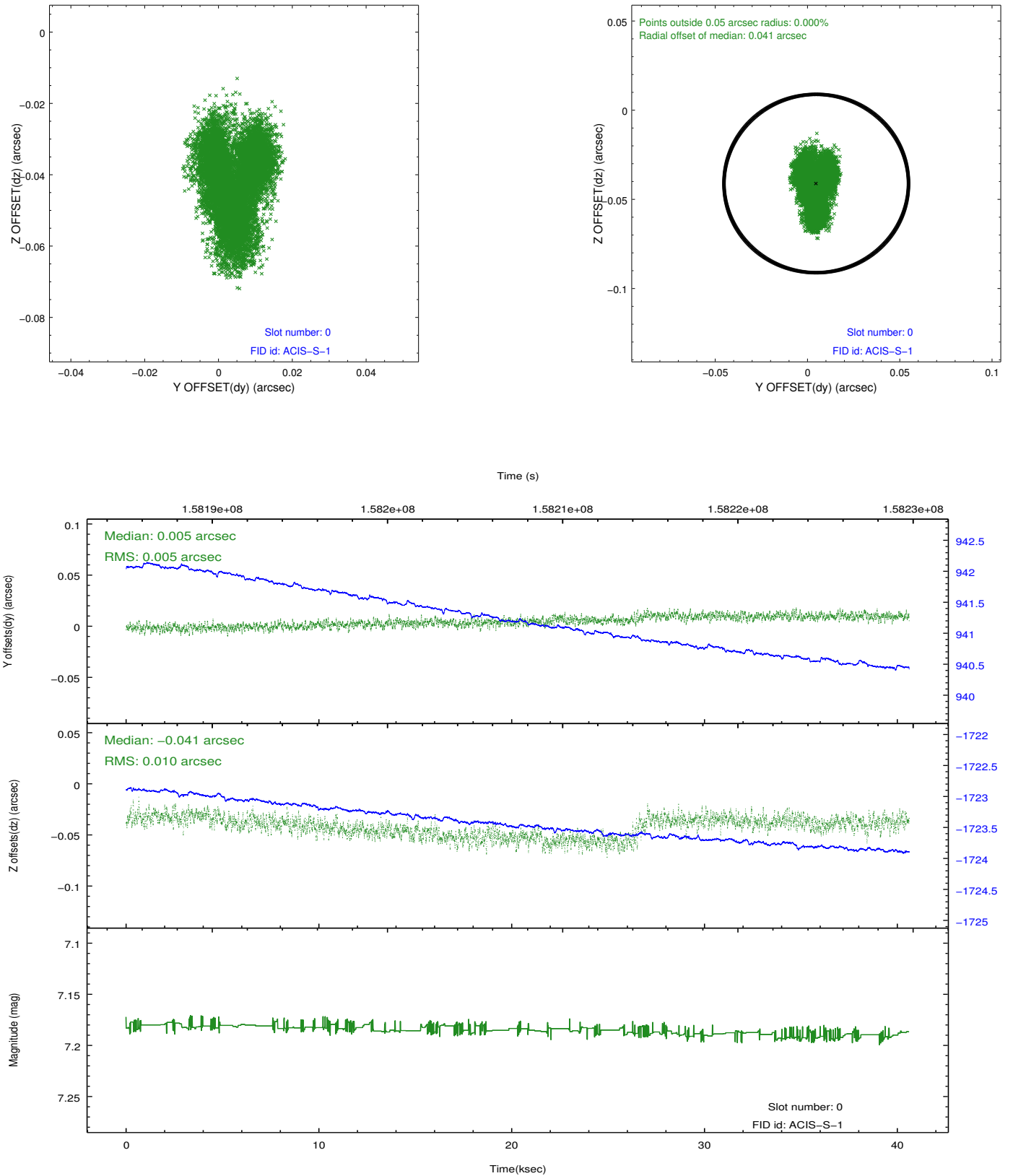


2.4.5 Slot 7

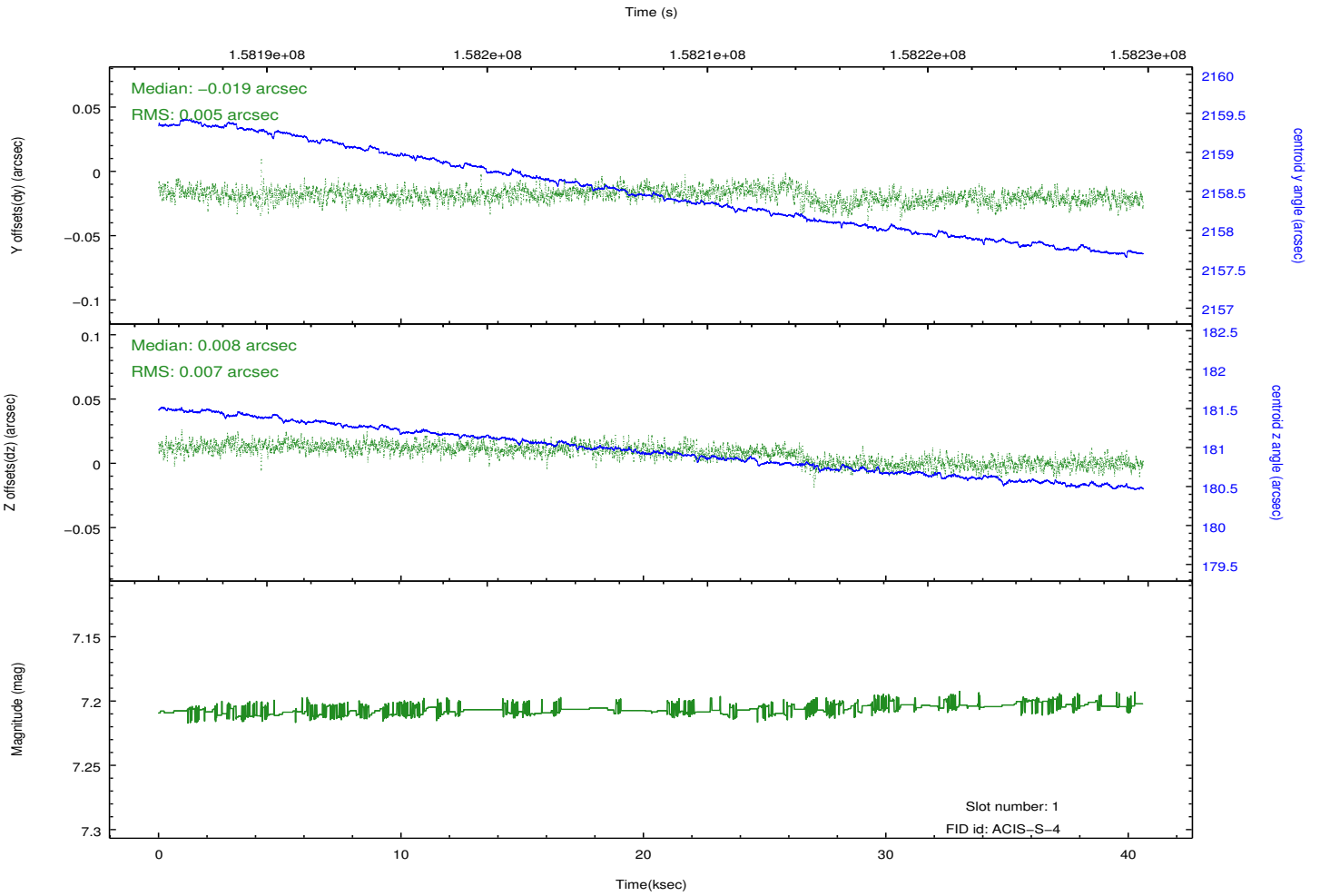
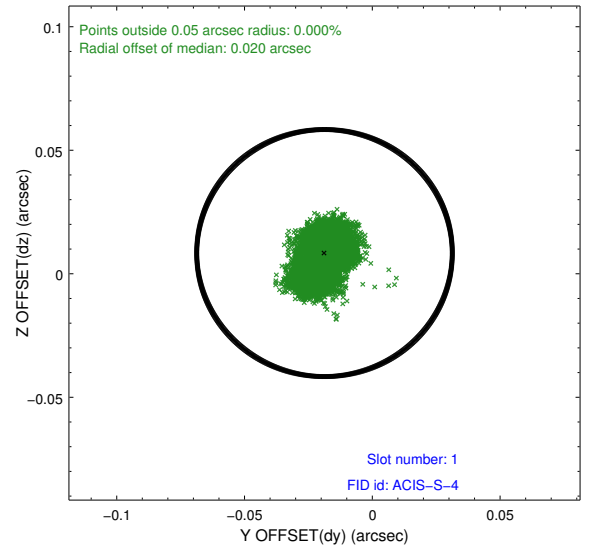
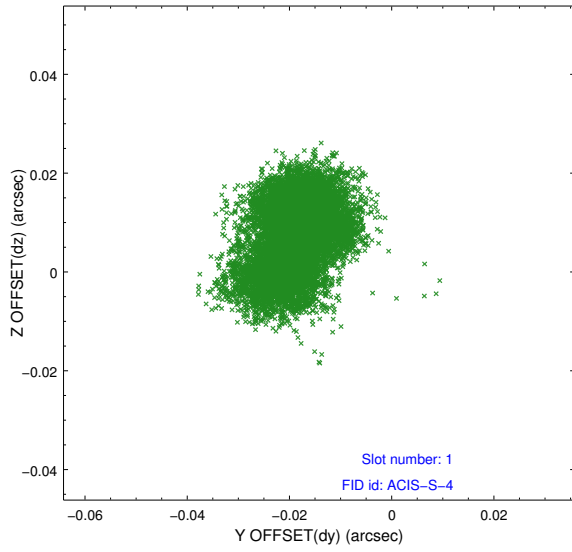


2.5 FID Slots

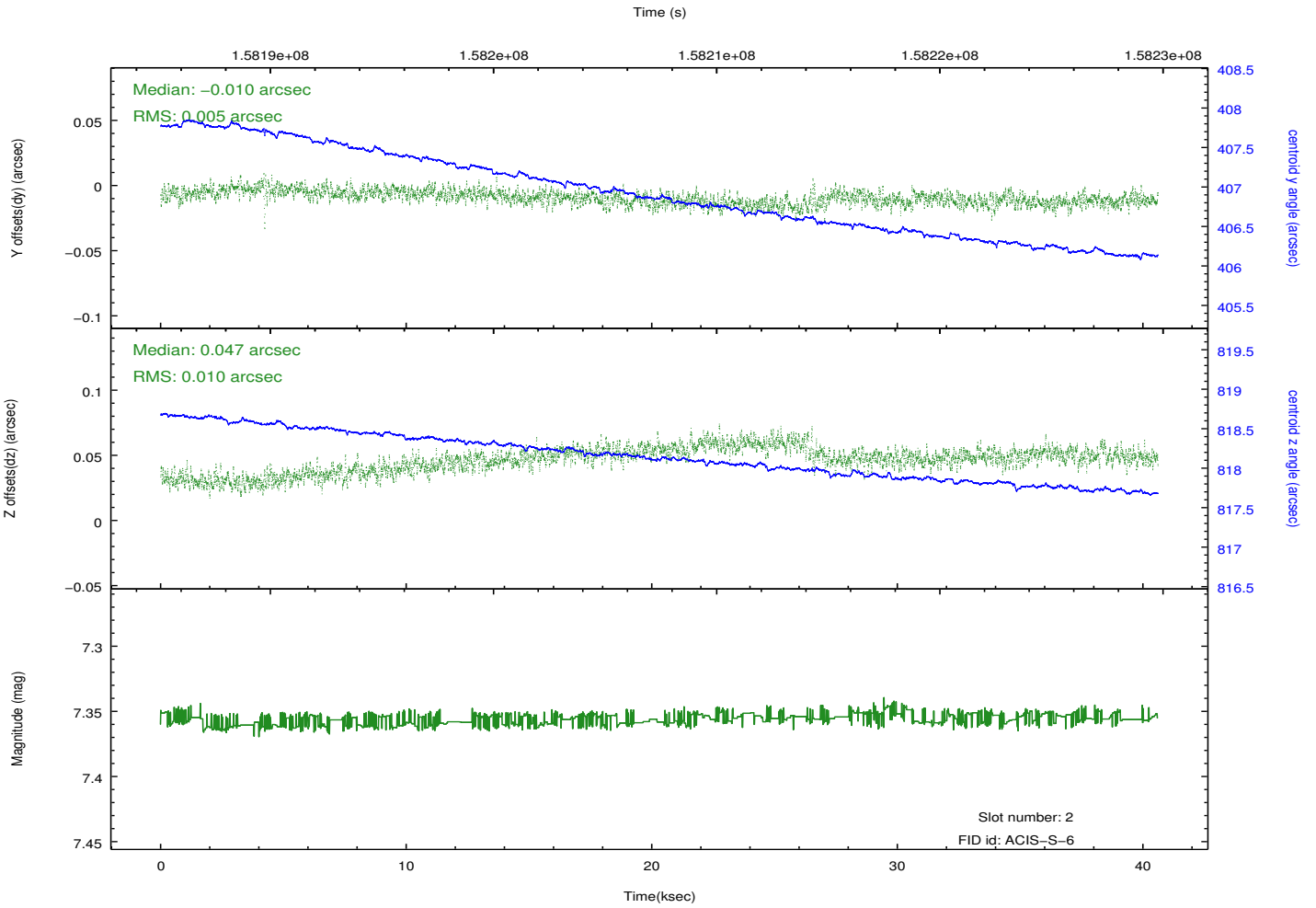
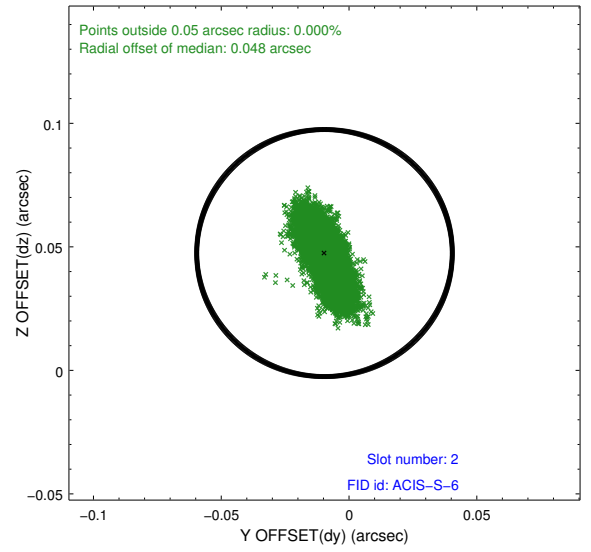
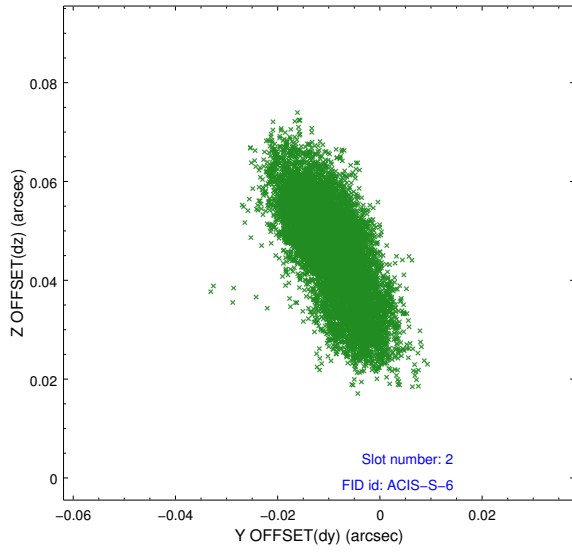
2.5.1 Slot 0



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)	2012.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.958

A.2 Comments

Roll constraint met.