

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2896 - L2 Version 3
Chandra X-Ray Center

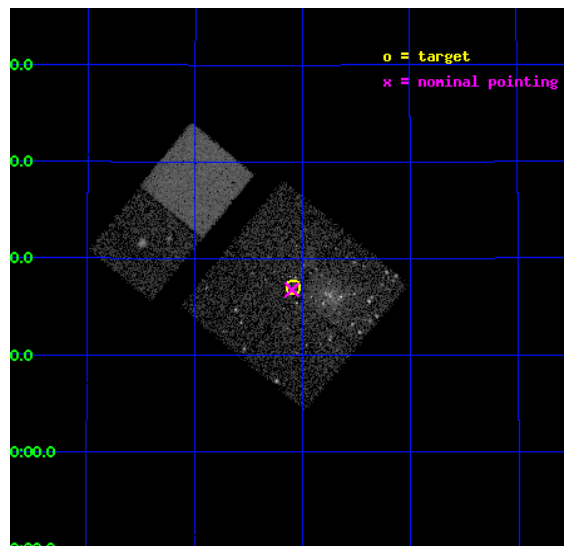
L2 Processing Date : Oct 2 2012

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1 Front

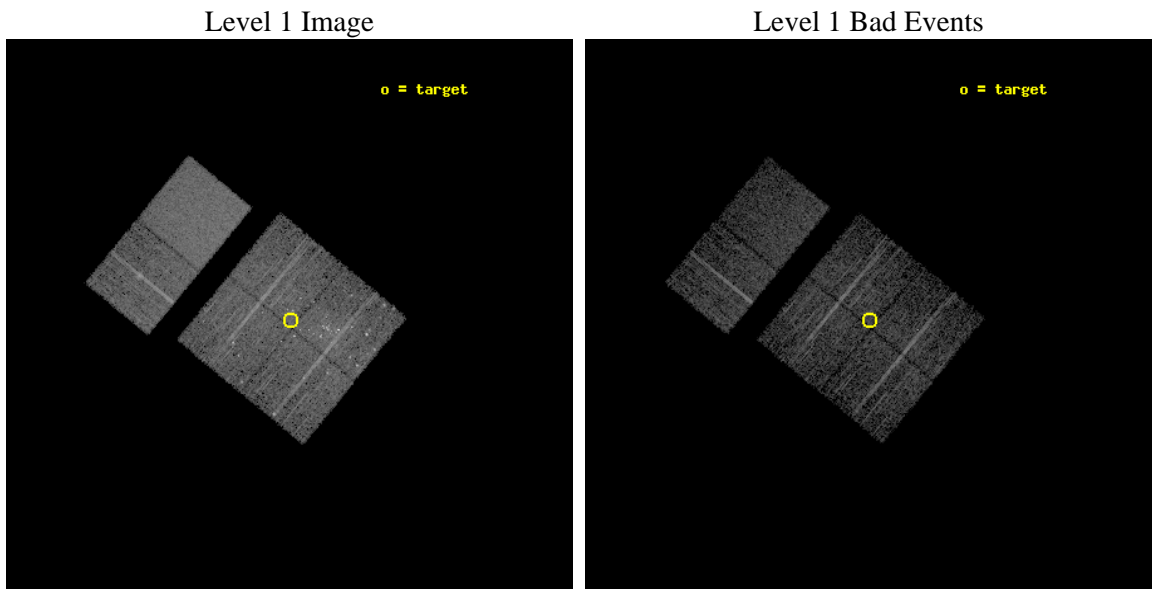
seq_num	600233	Sequence number
obs_id	2896	Observation id
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST	Proposa
observer	Dr. Michael Garcia	Principal investigator
object	M31-T3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.772917	Observer's specified target RA [deg]
dec_targ	41.28425	Observer's specified target Dec [deg]
ra_nom	10.77472159288	Nominal RA [deg]
dec_nom	41.279720174513	Nominal Dec [deg]
roll_nom	309.46977225359	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4963.1994853765	Sum of GTIs [s]
livetime	4900.3524650127	Livetime [s]
ontime0	4963.0763653815	Sum of GTIs [s]
ontime1	4963.1174053848	Sum of GTIs [s]
ontime2	4963.1584453881	Sum of GTIs [s]
ontime3	4963.1994853765	Sum of GTIs [s]
ontime6	4963.2000046074	Sum of GTIs [s]
ontime7	4963.2000046074	Sum of GTIs [s]
l2events	53386	Number of level 2 events



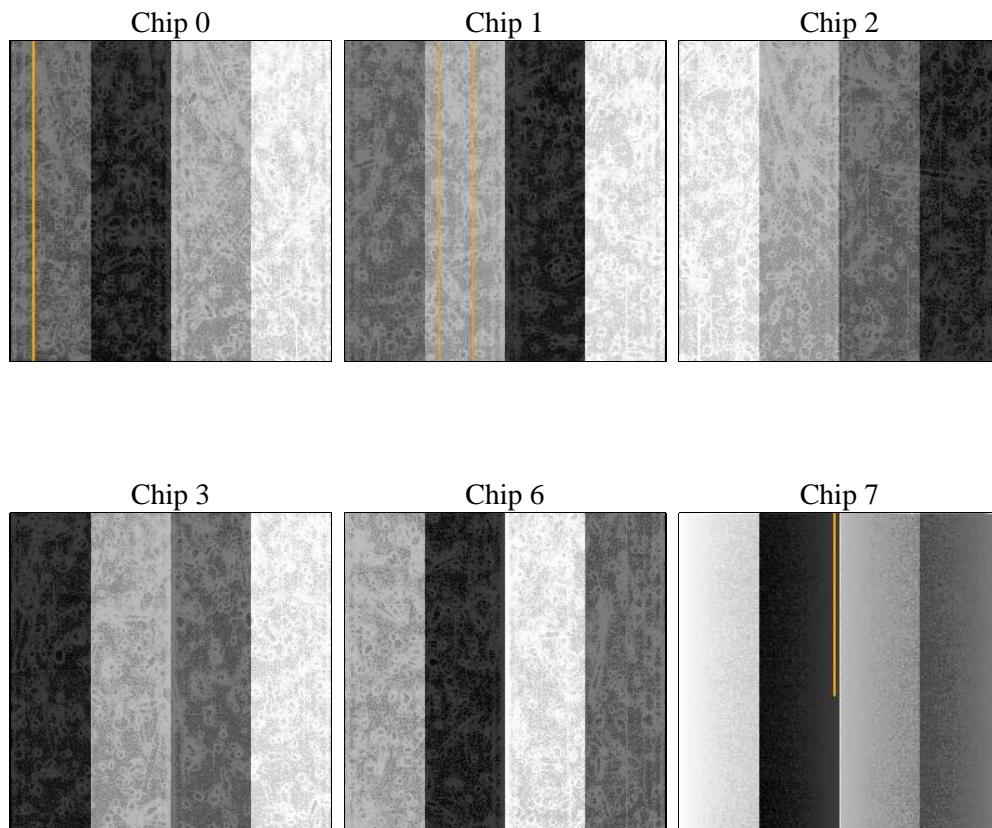
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4963.1994853765	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4963.0763653815	Sum of GTIs [s]
date	2012-10-02T05:16:03	Date and time of file creation	ontime1	4963.1174053848	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4963.1584453881	Sum of GTIs [s]
			ontime3	4963.1994853765	Sum of GTIs [s]
			ontime6	4963.2000046074	Sum of GTIs [s]
			ontime7	4963.2000046074	Sum of GTIs [s]
			l1events	219800	Number of level 1 events

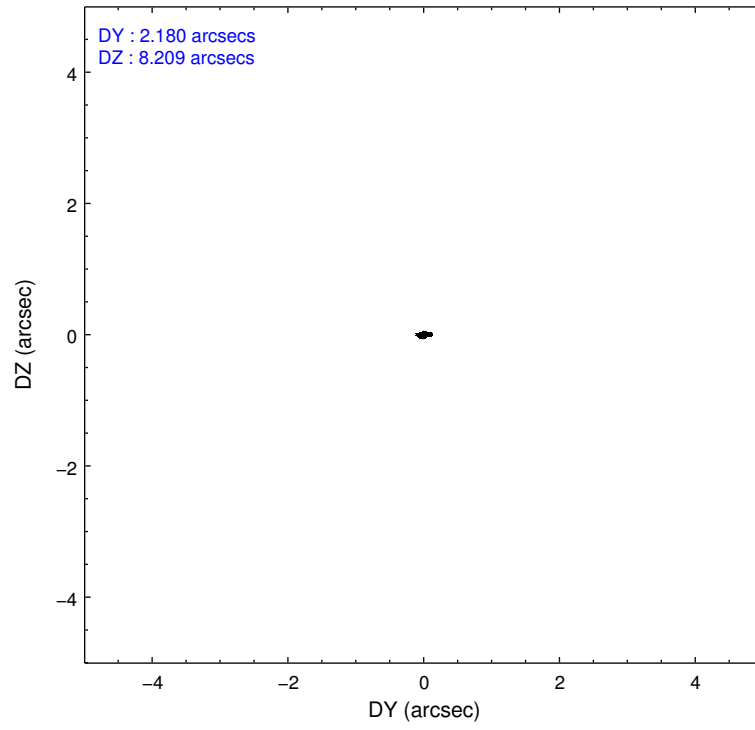
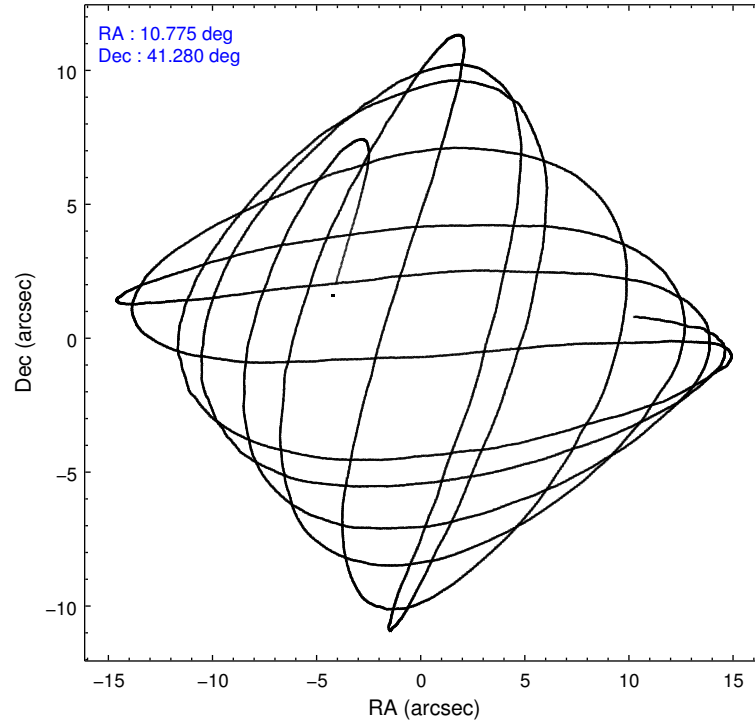
2.1.4 Events

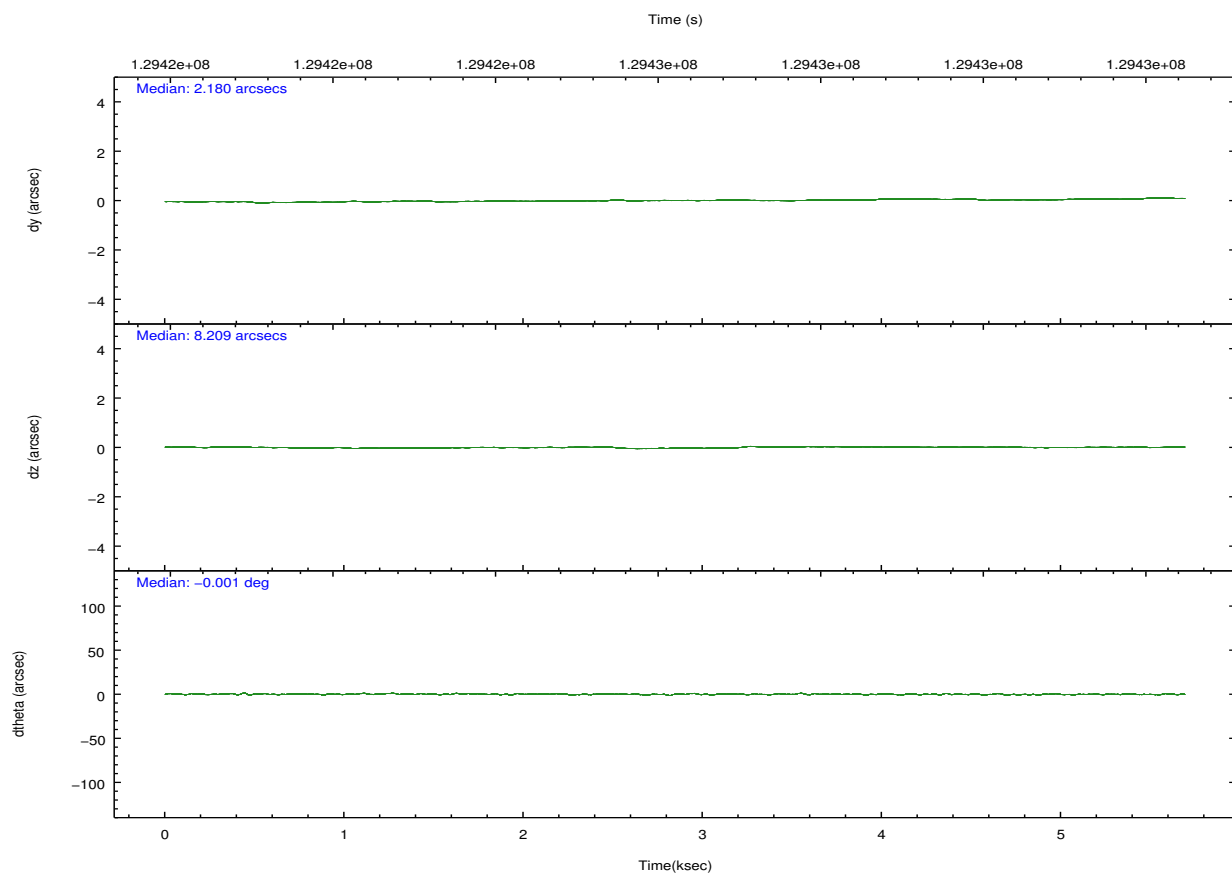
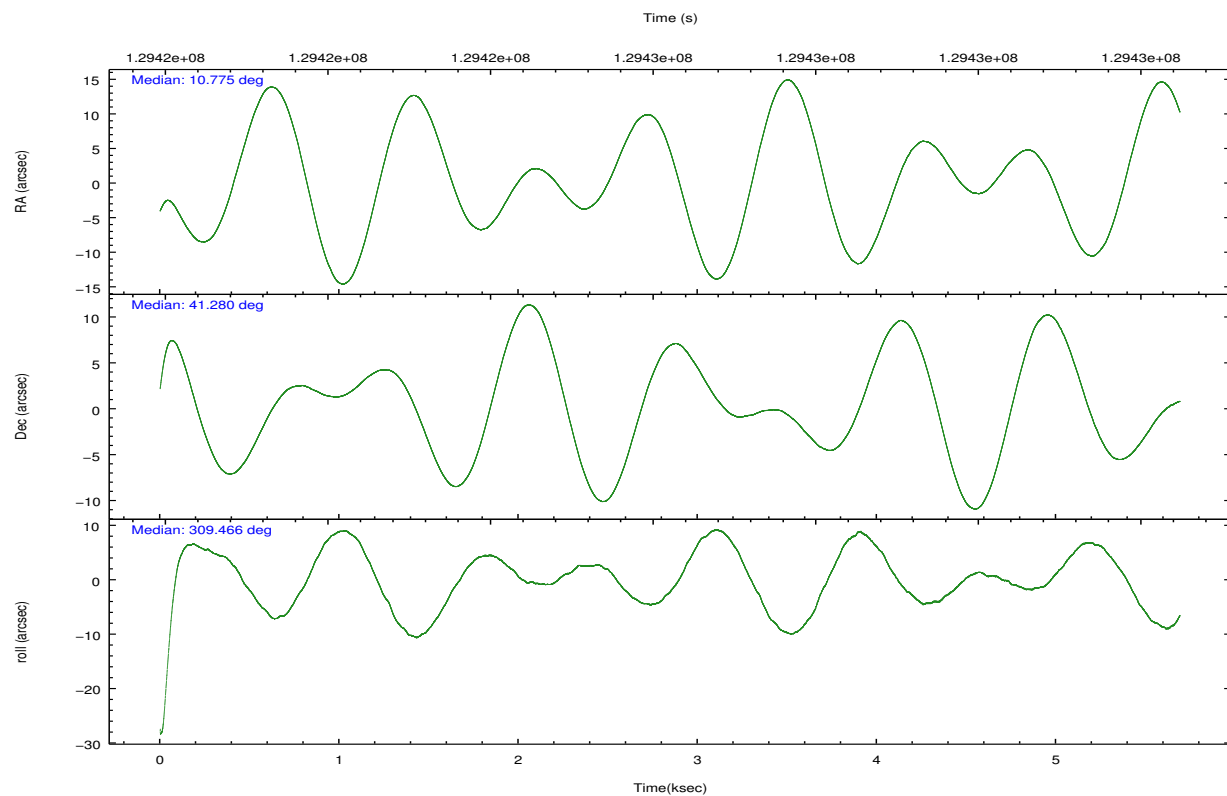
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	31738	41537	33513	33273	33641	46098	grade 0 events	3330	11032	2674	2767	2122	2168
rejected events	25827	25939	28500	28057	29174	24749		10%	26%	7%	8%	6%	4%
rejected %	81%	62%	85%	84%	86%	53%	grade 1 events	38	214	23	24	19	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	1052	2031	896	919	818	4075
								3%	4%	2%	2%	2%	8%
							grade 3 events	421	755	375	419	356	1891
								1%	1%	1%	1%	1%	4%
							grade 4 events	390	783	384	402	416	1884
								1%	1%	1%	1%	1%	4%
							grade 5 events	1241	1453	1091	1312	1421	3969
								3%	3%	3%	3%	4%	8%
							grade 6 events	729	1018	688	718	761	11362
								2%	2%	2%	2%	2%	24%
							grade 7 events	24537	24251	27382	26712	27728	20714
								77%	58%	81%	80%	82%	44%

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	10.740489	10.77472159287979	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.289297	41.27972017451303	Alternating exposures requested	N	N
[deg] Pointing Roll	309.283742	309.4697722535943	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	129168064.184000	129168064.184000			
[s] Window stop time (MET)	129772864.184000	129772864.184000			
[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)	129423950.184000	129422735.61534			
Observation start date	2002-02-06T23:04:46	2002-02-06T22:45:35			
[s] Observation end time (MET)	129428950.184000	129429304.84061			
Observation end date	2002-02-07T00:28:06	2002-02-07T00:35:04			
Read mode	TIMED	TIMED			

2.3 Aspect



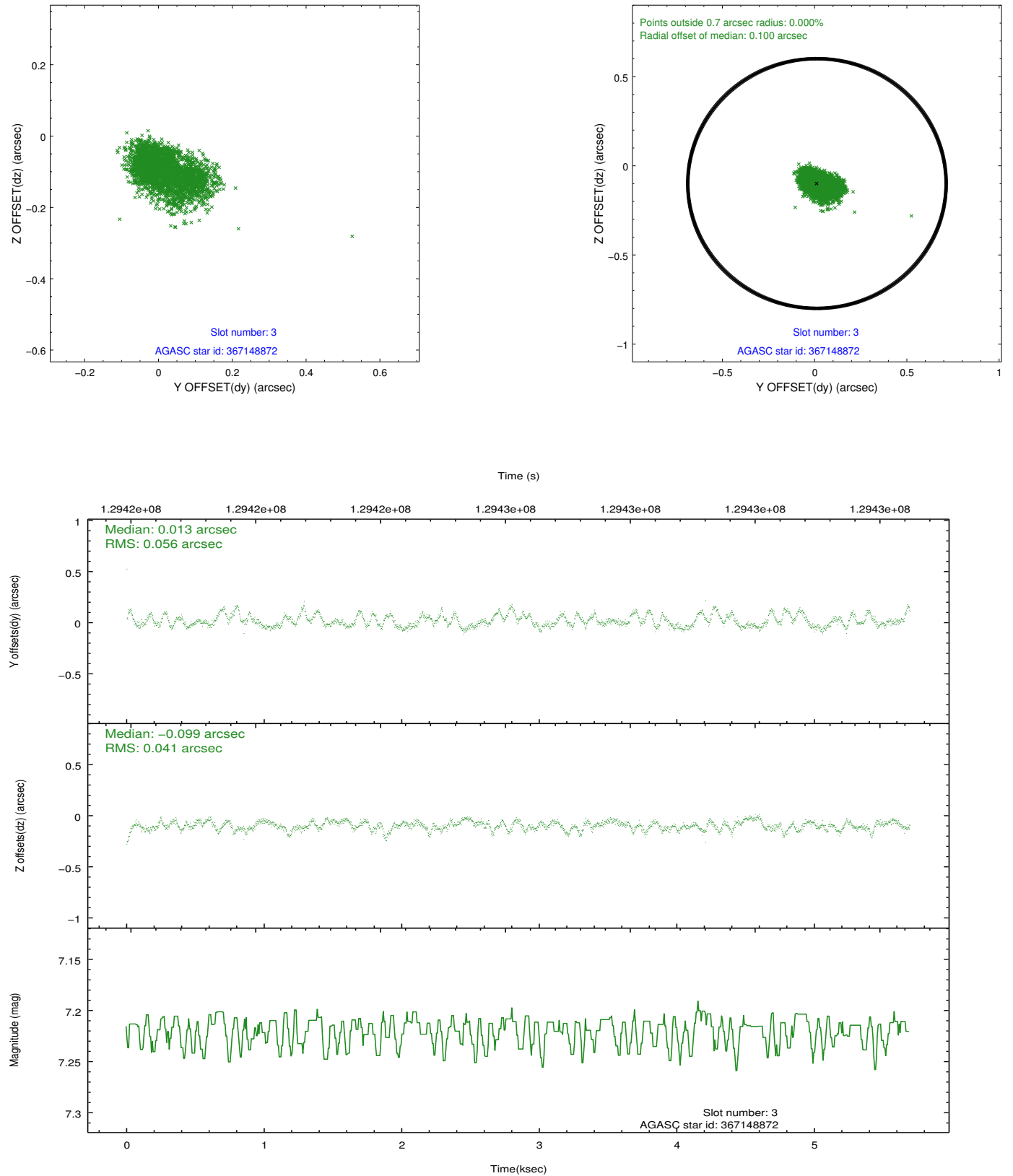


Slot Statistics

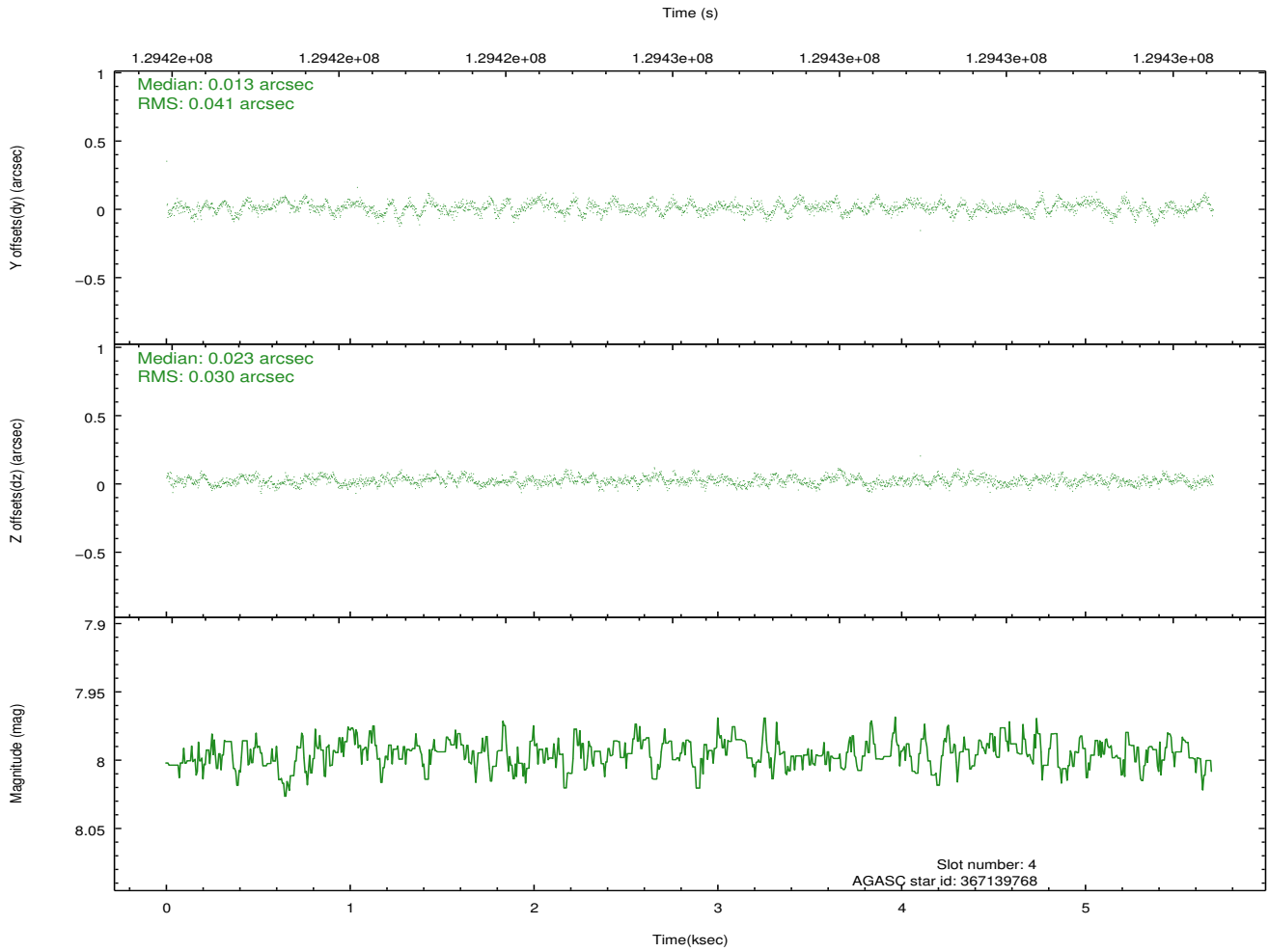
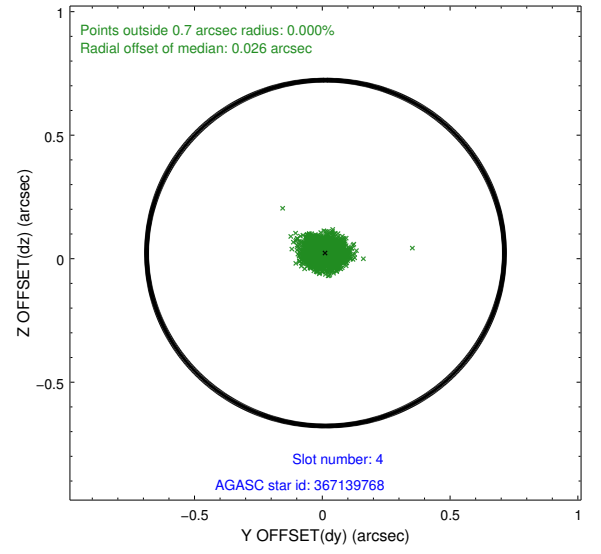
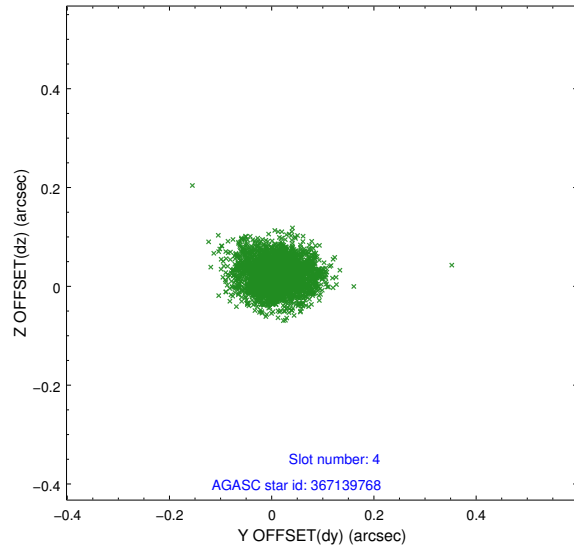
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1389	-0.040	0.074	0.006	0.010	0.000000	0.000000	937.58	-831.57
1	FID	ACIS-I-5	7.23	1389	-0.017	0.029	0.006	0.011	0.000000	0.000000	-1809.89	1065.38
2	FID	ACIS-I-6	7.26	1389	-0.034	-0.033	0.006	0.011	0.000000	0.000000	402.02	1710.99
3	GUIDE	367148872	7.22	2778	0.013	-0.099	0.073	0.119	10.505940	40.688258	1268.99	-1865.79
4	GUIDE	367139768	8.00	2777	0.013	0.023	0.053	0.086	11.069715	40.685175	2251.69	-681.44
5	GUIDE	367657272	8.44	2775	0.108	0.047	0.062	0.103	11.834471	41.298907	1832.97	2323.18
6	GUIDE	367674552	8.85	2777	-0.004	0.050	0.068	0.115	11.016238	41.570845	-314.60	1217.61
7	GUIDE	367671800	9.39	2776	-0.131	-0.022	0.086	0.139	10.554735	41.964935	-2198.23	1155.21

2.4 Star Slots

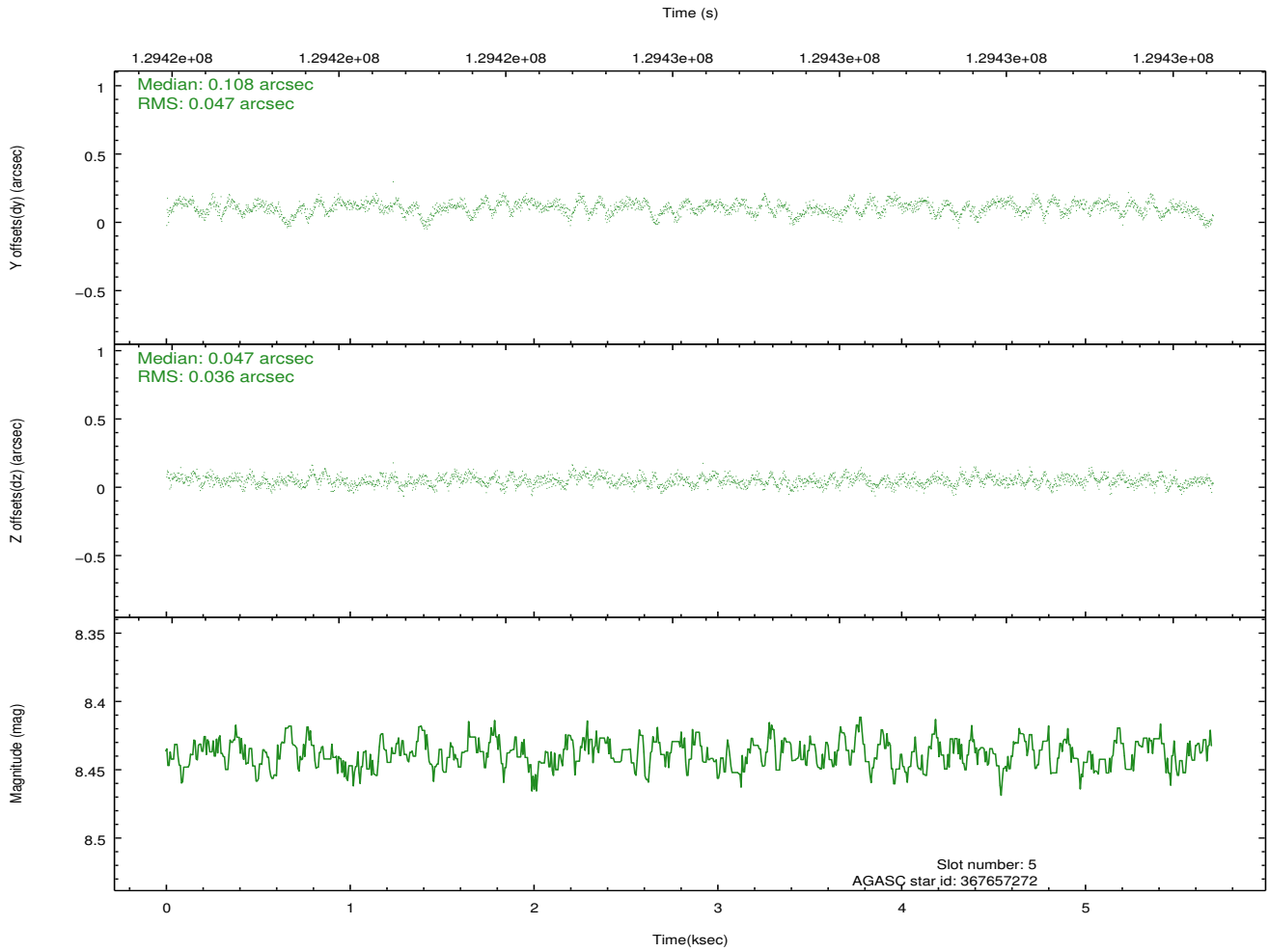
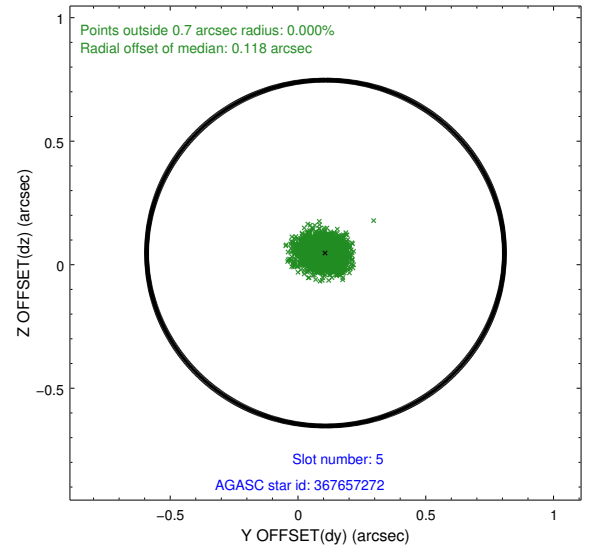
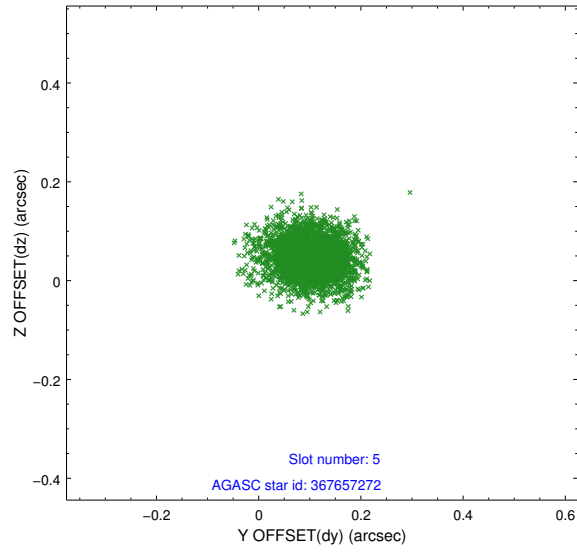
2.4.1 Slot 3



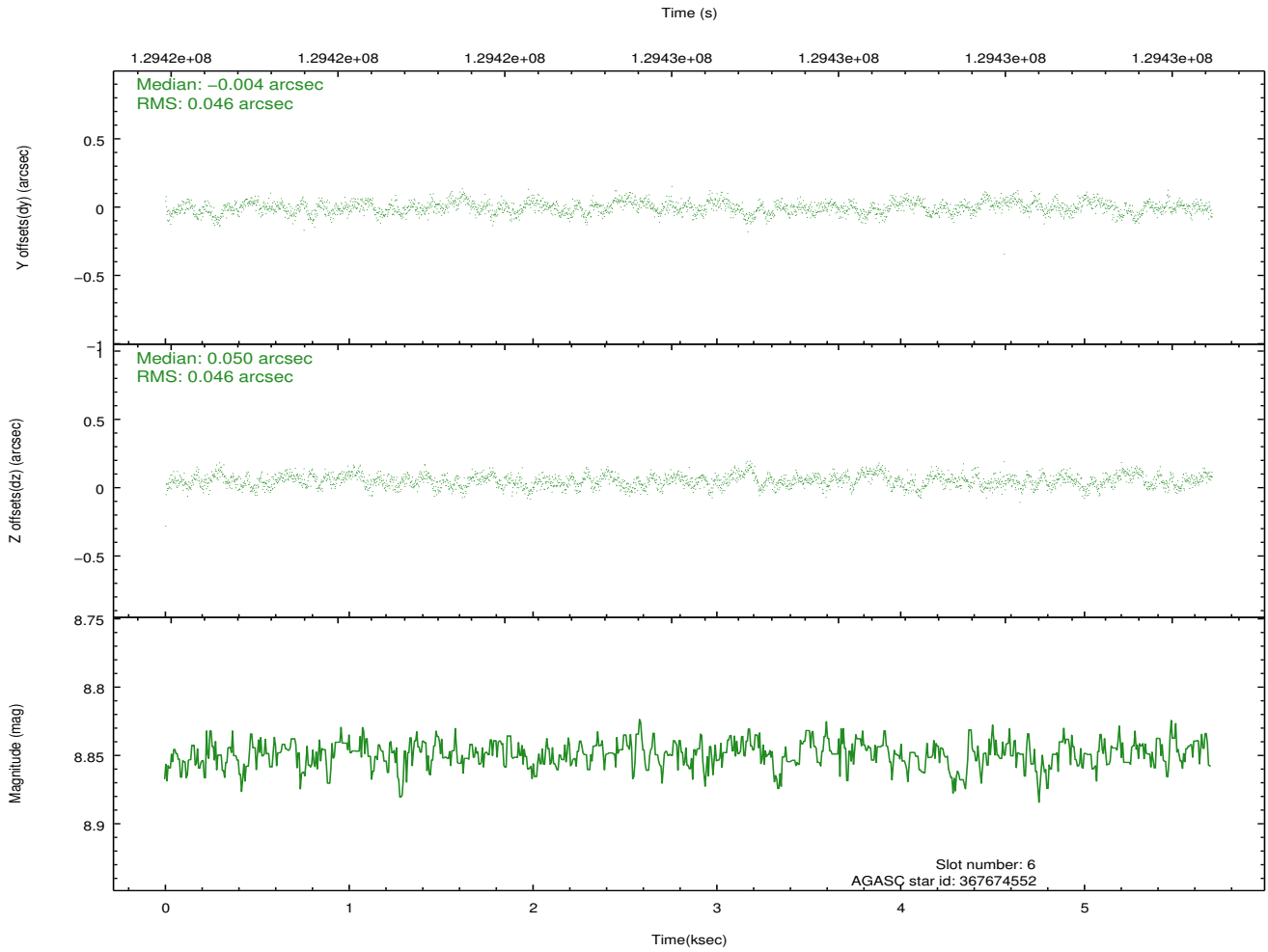
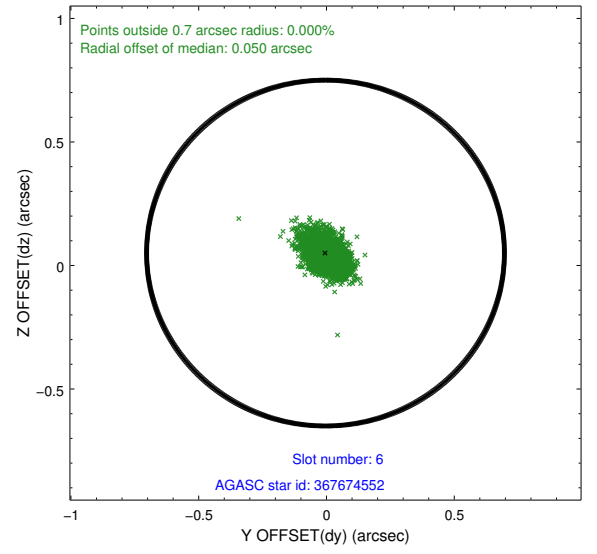
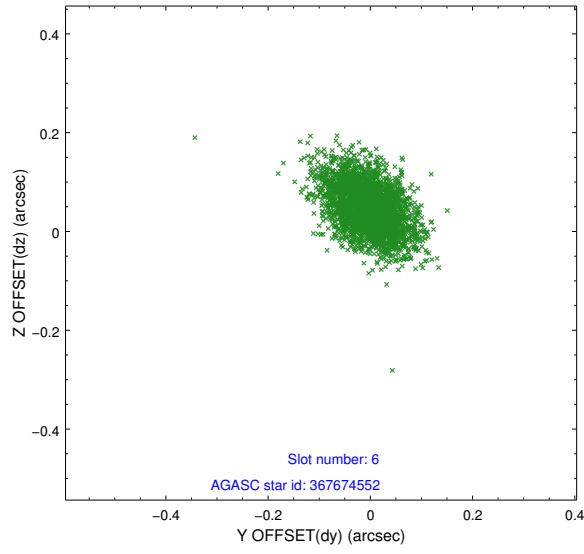
2.4.2 Slot 4



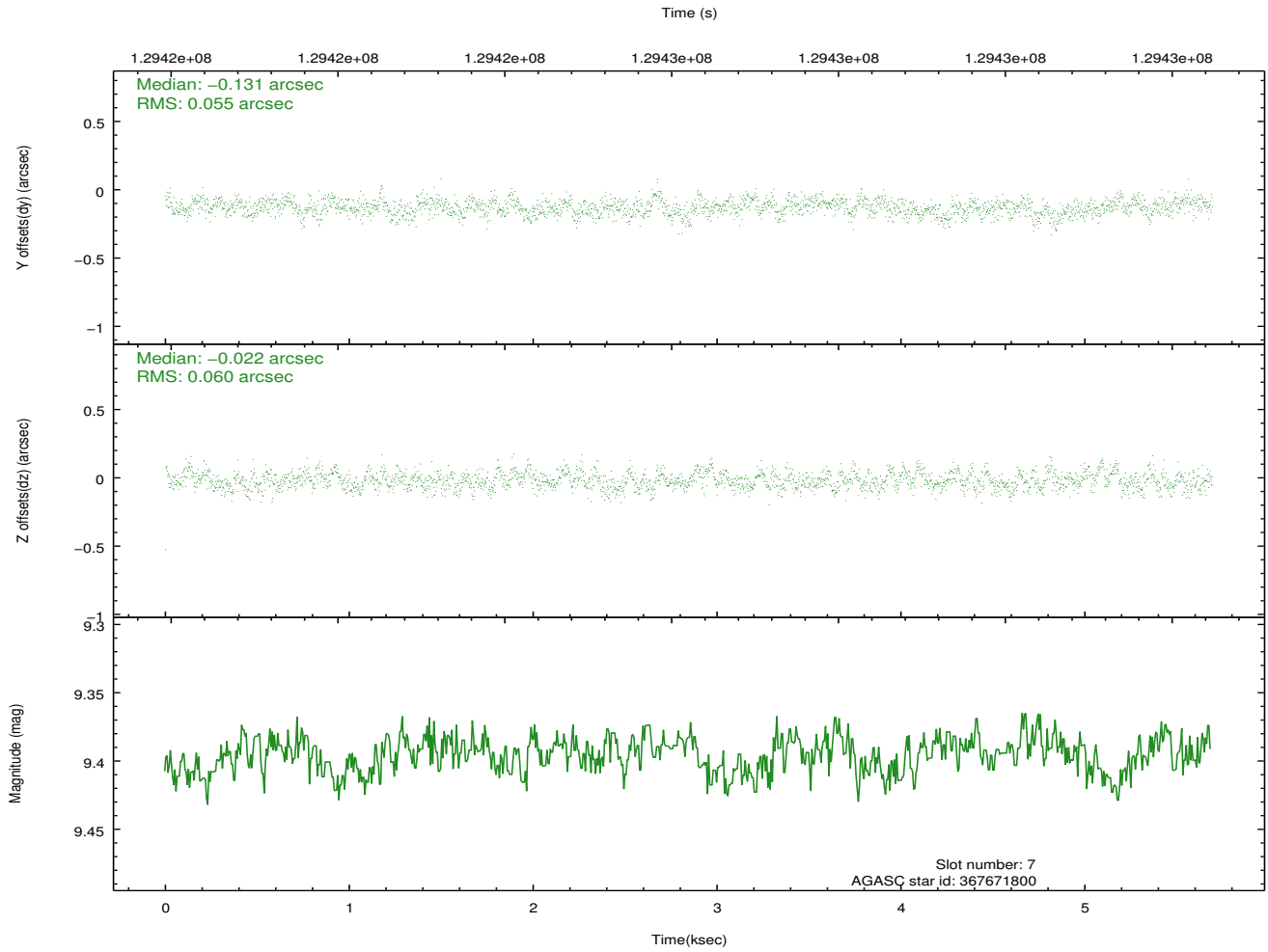
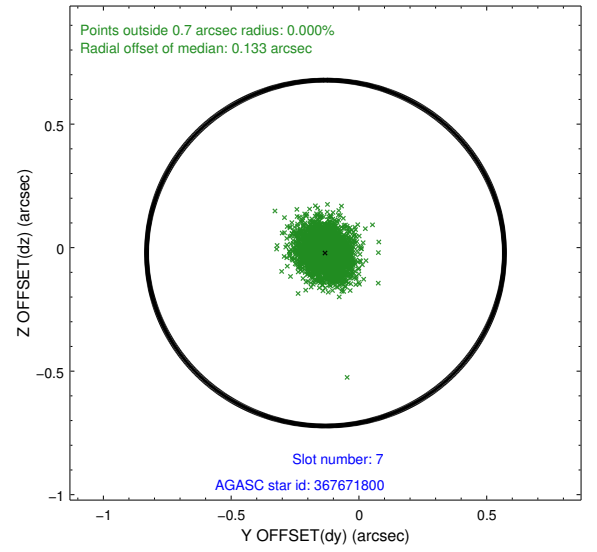
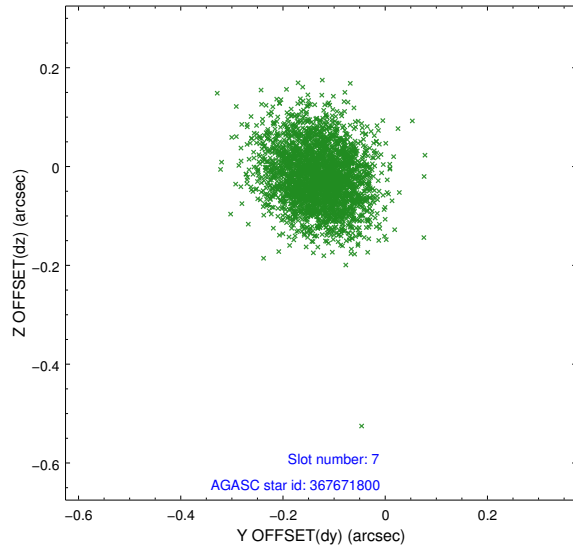
2.4.3 Slot 5



2.4.4 Slot 6

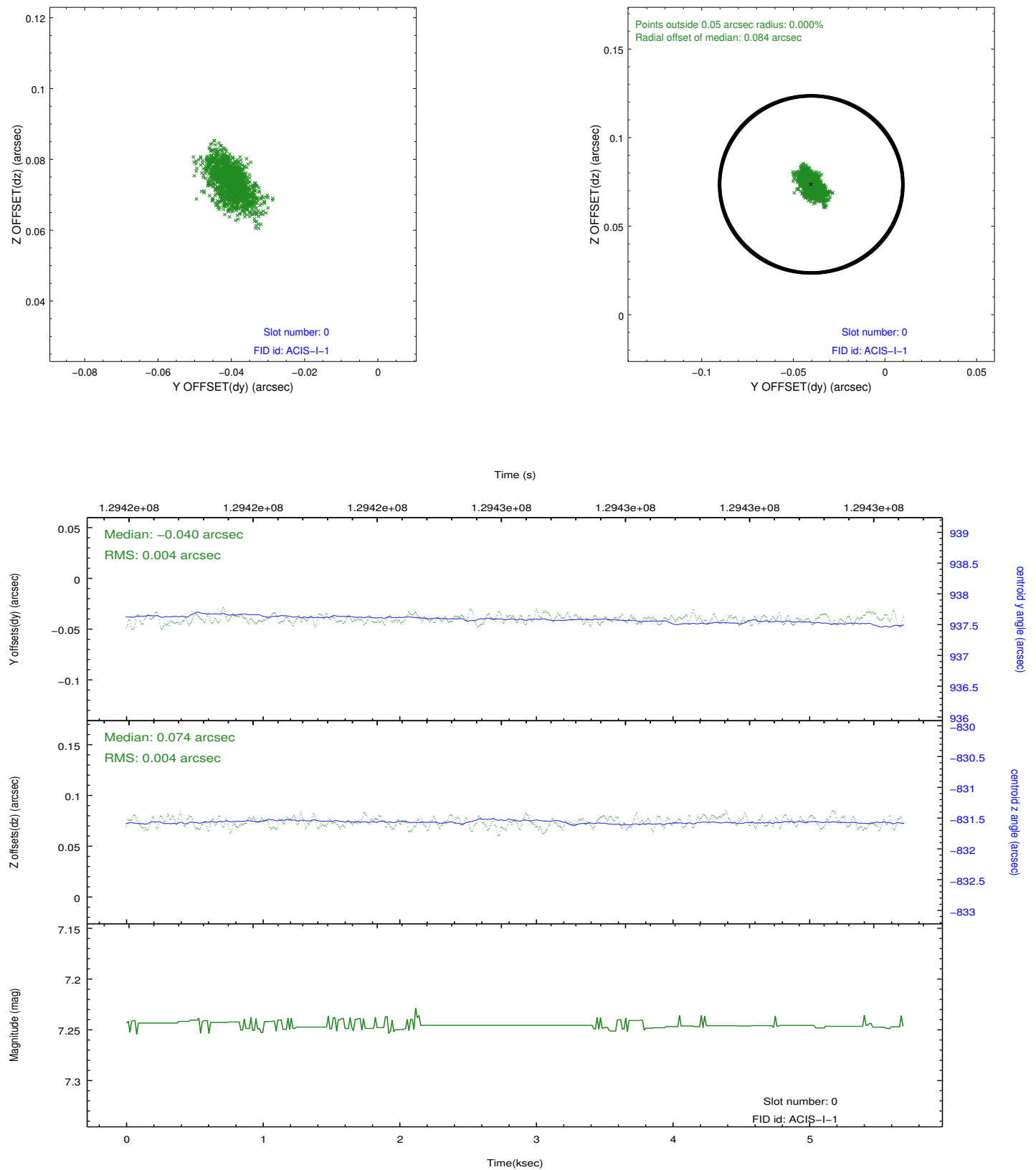


2.4.5 Slot 7

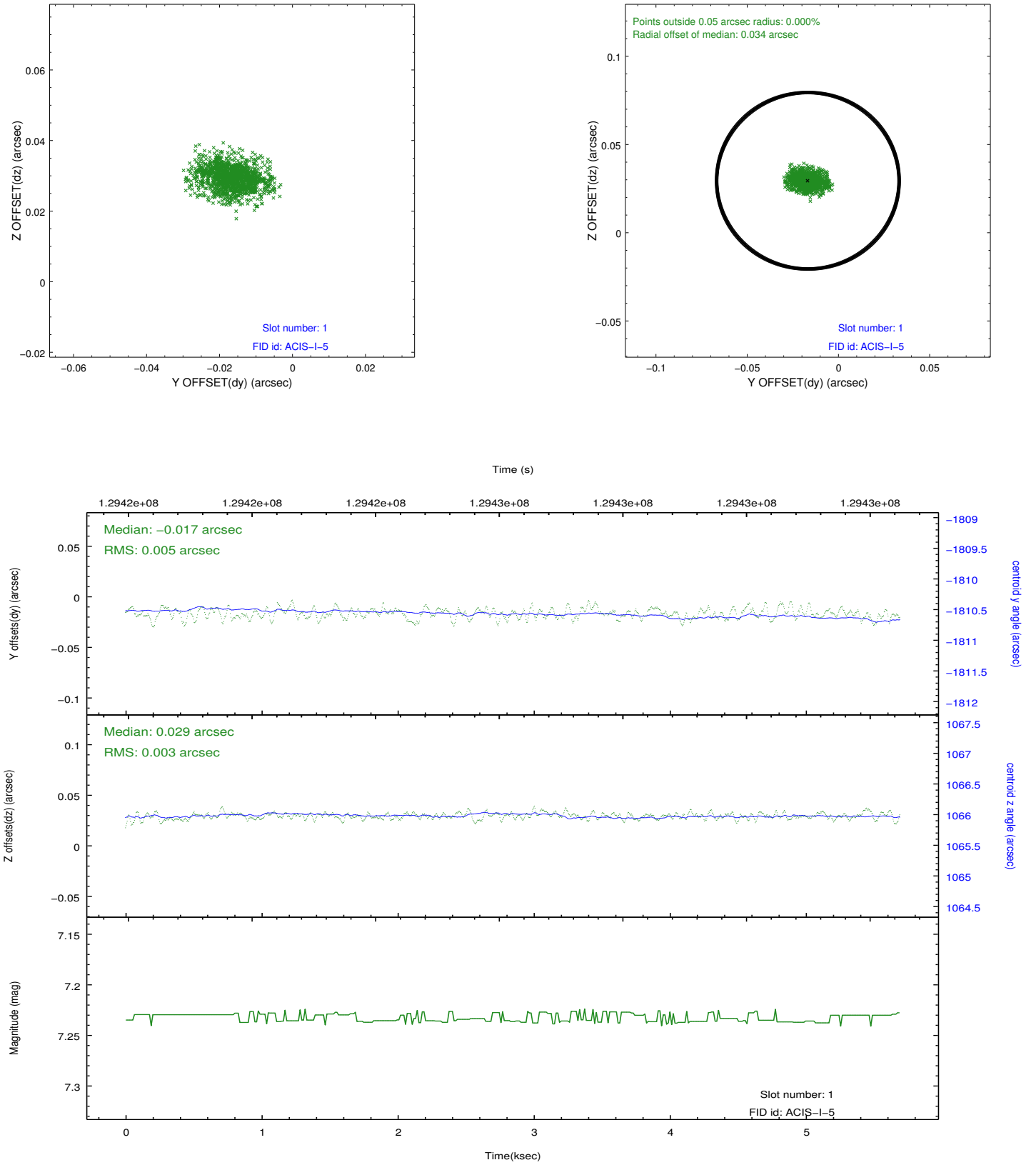


2.5 FID Slots

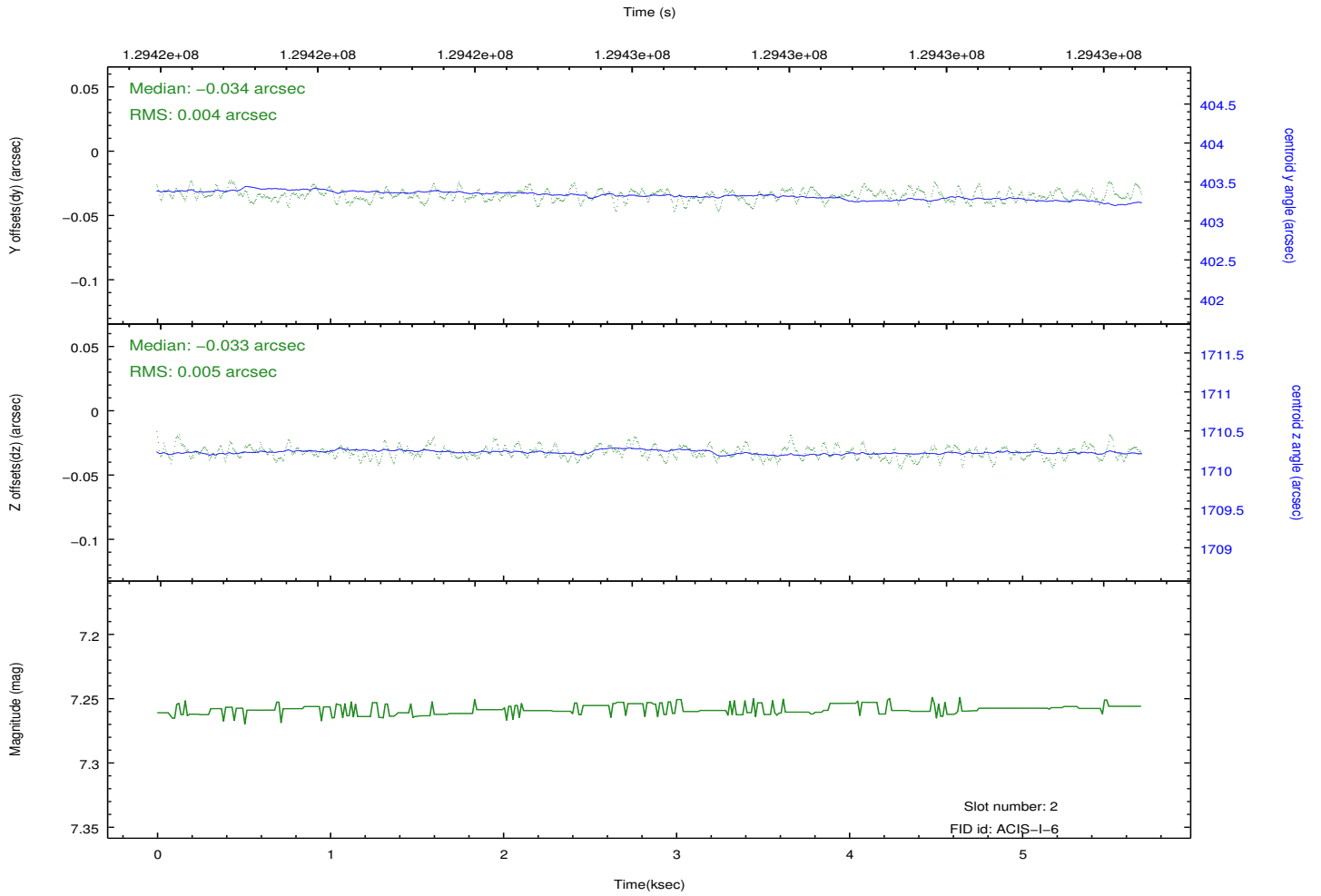
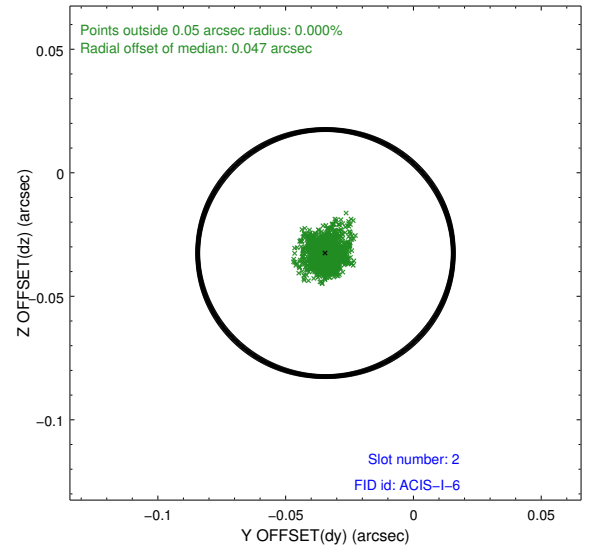
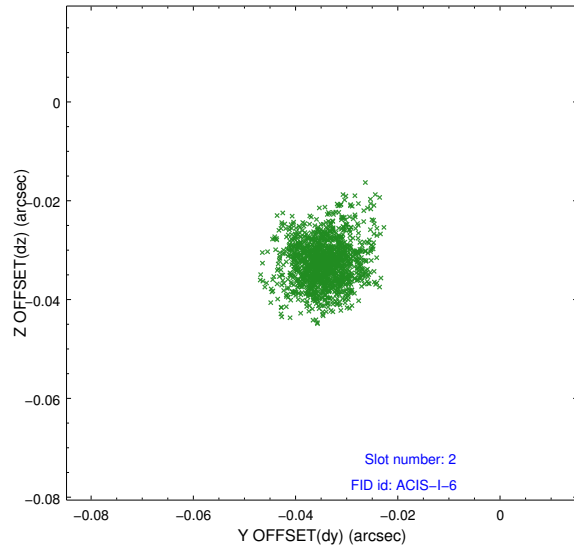
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.966

A.2 Comments

Window preference met.