

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3405 - L2 Version 3
Chandra X-Ray Center

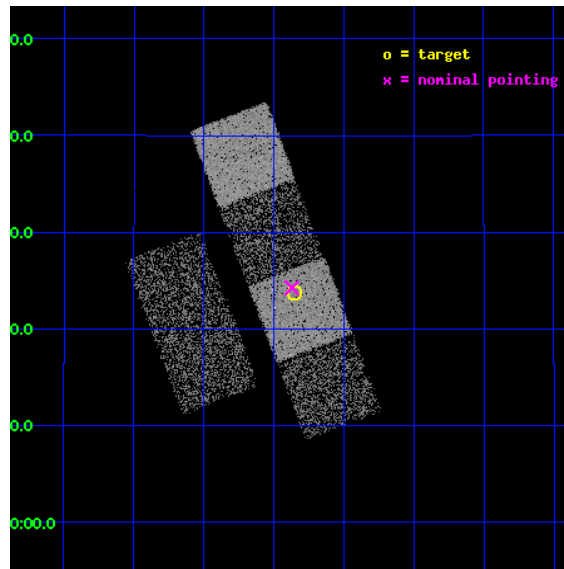
L2 Processing Date : Oct 18 2012

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1 Front

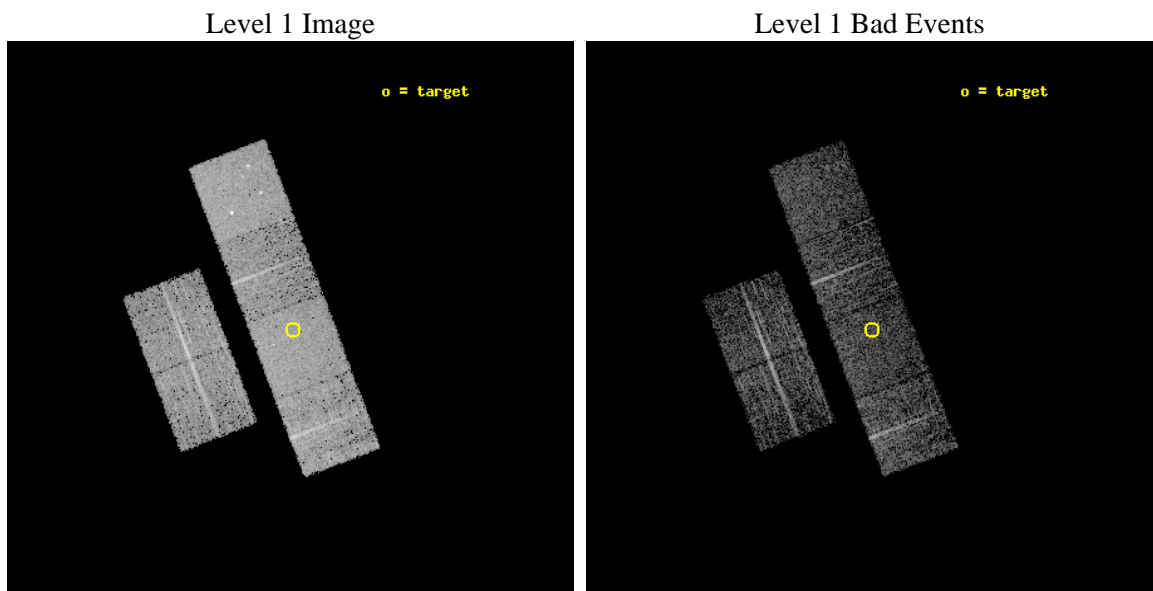
seq_num	100016	Sequence number
obs_id	3405	Observation id
title	ASTEROID OBSERVATION	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	1998 WT24	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.08765	Observer's specified target RA [deg]
dec_targ	12.39583	Observer's specified target Dec [deg]
ra_nom	121.09280026424	Nominal RA [deg]
dec_nom	12.404373168715	Nominal Dec [deg]
roll_nom	69.252762329343	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3500.8000032455	Sum of GTIs [s]
livetime	3456.4707656757	Livetime [s]
ontime2	3500.8000032455	Sum of GTIs [s]
ontime3	3500.8000032455	Sum of GTIs [s]
ontime5	3500.8000032455	Sum of GTIs [s]
ontime6	3500.8000032455	Sum of GTIs [s]
ontime7	3500.8000032455	Sum of GTIs [s]
ontime8	3500.8000032455	Sum of GTIs [s]
l2events	35327	Number of level 2 events



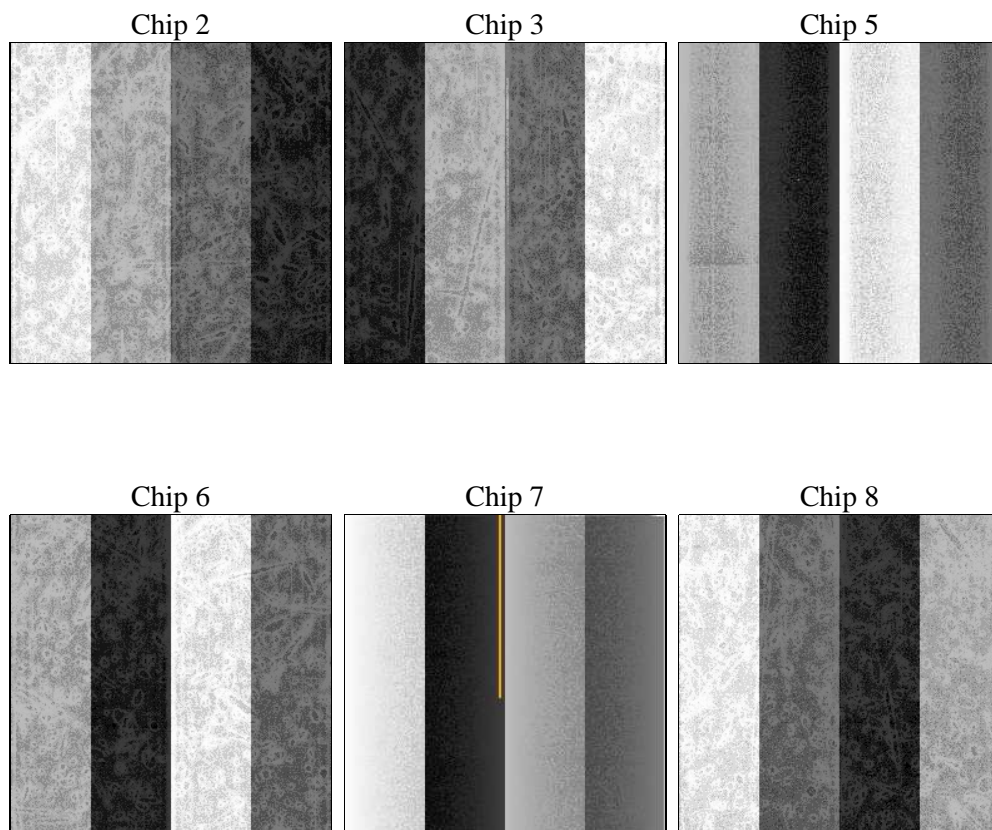
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3500.8000032455	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3500.8000032455	Sum of GTIs [s]
date	2012-10-18T16:57:06	Date and time of file creation	ontime3	3500.8000032455	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3500.8000032455	Sum of GTIs [s]
			ontime6	3500.8000032455	Sum of GTIs [s]
			ontime7	3500.8000032455	Sum of GTIs [s]
			ontime8	3500.8000032455	Sum of GTIs [s]
			l1events	175994	Number of level 1 events

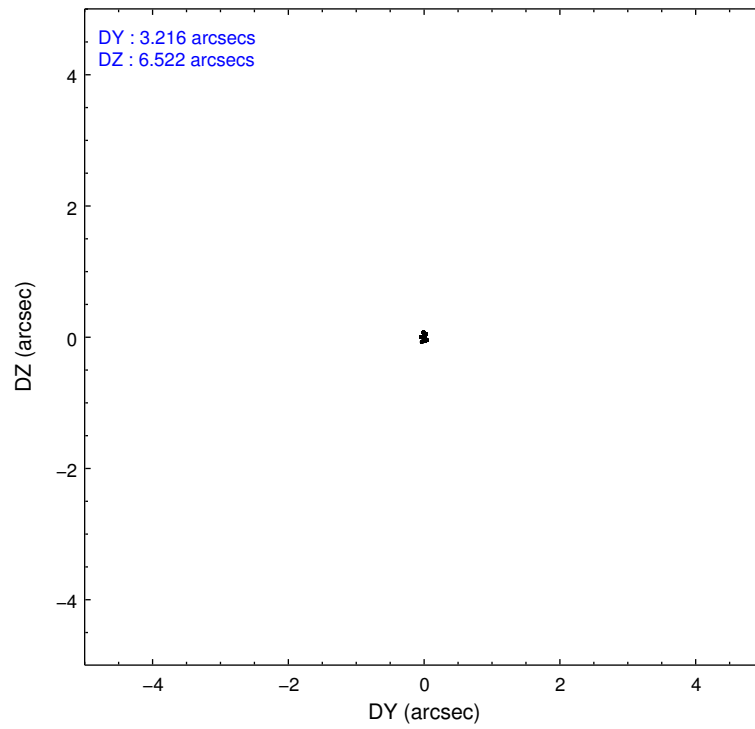
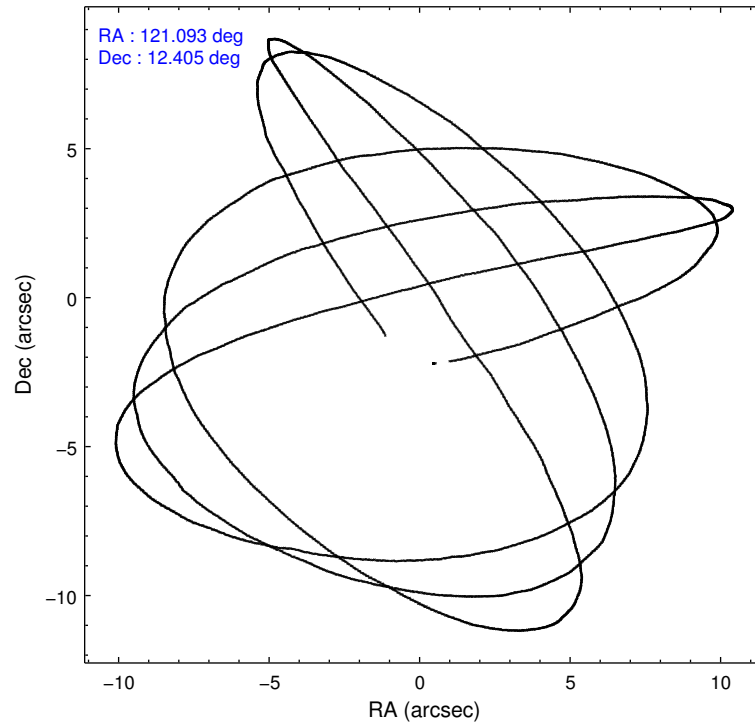
2.1.4 Events

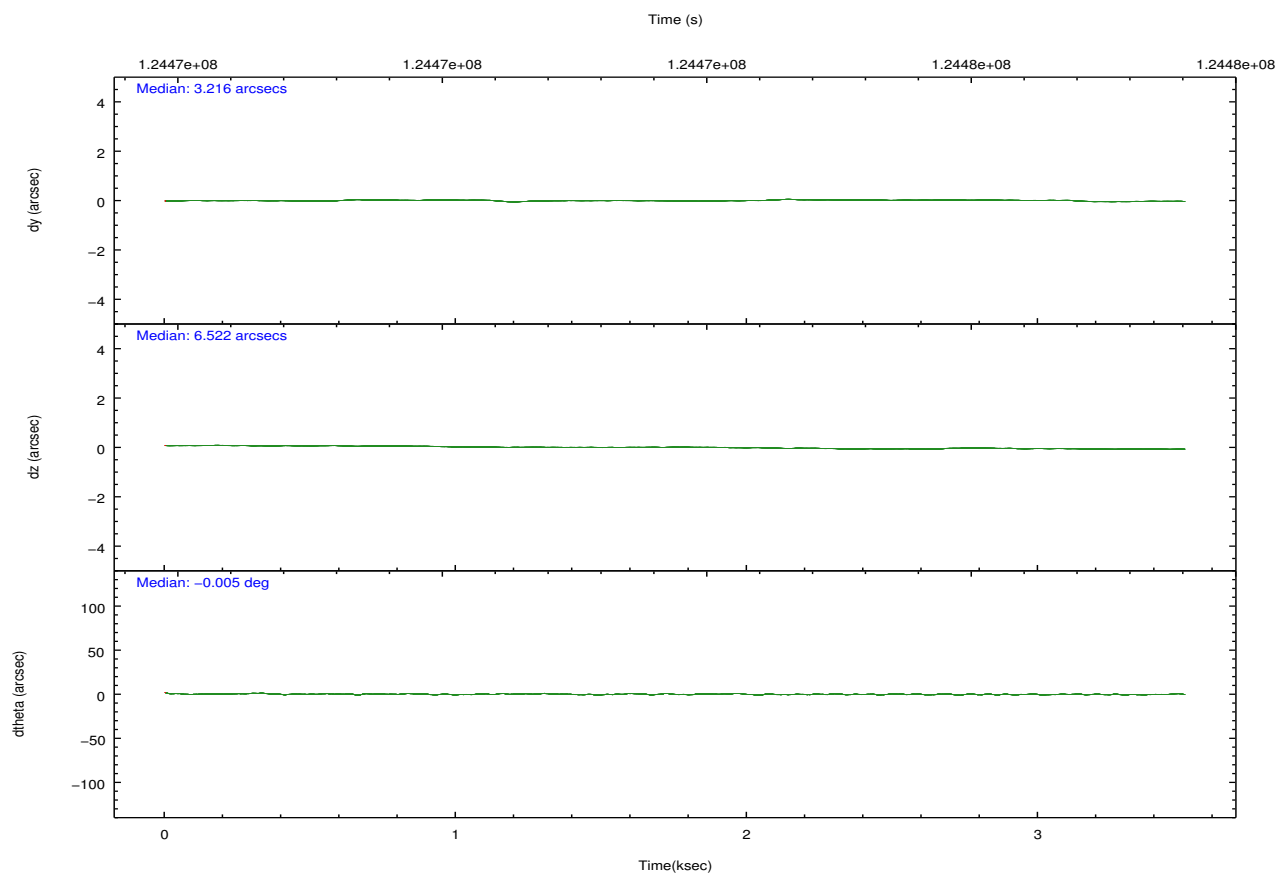
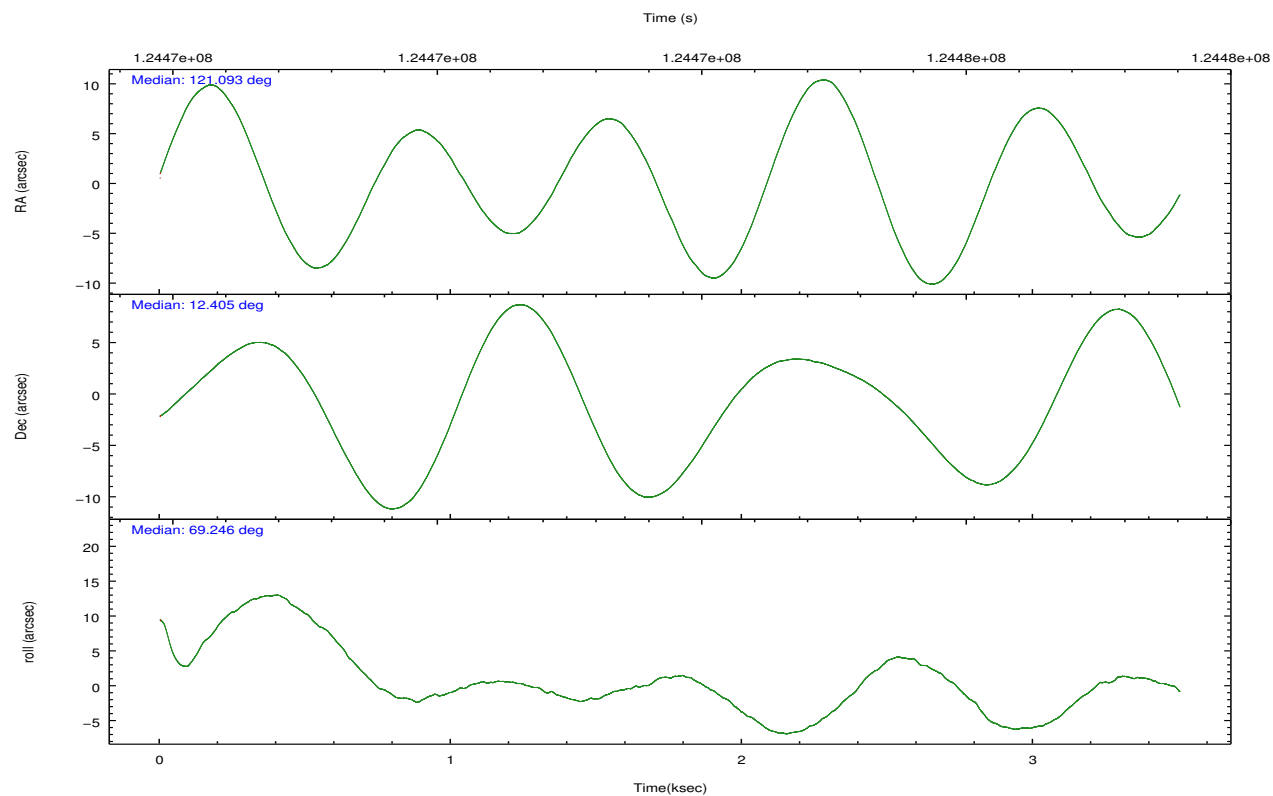
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26000	24699	36005	24478	32741	32071	grade 0 events	1104	1207	2236	1145	1335	2247
rejected events	23314	22156	20660	21804	20198	25577		4%	4%	6%	4%	4%	7%
rejected %	89%	89%	57%	89%	61%	79%	grade 1 events	10	17	49	10	24	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	658	539	4983	612	2740	1532
								2%	2%	13%	2%	8%	4%
							grade 3 events	297	263	625	289	1209	843
								1%	1%	1%	1%	3%	2%
							grade 4 events	297	285	593	292	1153	760
								1%	1%	1%	1%	3%	2%
							grade 5 events	952	1015	2618	1073	3200	1433
								3%	4%	7%	4%	9%	4%
							grade 6 events	566	485	8300	585	7201	1787
								2%	1%	23%	2%	21%	5%
							grade 7 events	22116	20888	16601	20472	15879	23437
								85%	84%	46%	83%	48%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	121.097579	121.0928002642425	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.377321	12.40437316871534	Alternating exposures requested	N	N
[deg] Pointing Roll	69.095104	69.25276232934283	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	124472335.184000	124471958.76634			
Observation start date	2001-12-11T15:37:51	2001-12-11T15:32:38			
[s] Observation end time (MET)	124475635.184000	124475768.6915			
Observation end date	2001-12-11T16:32:51	2001-12-11T16:36:08			
Read mode	TIMED	TIMED			

2.3 Aspect



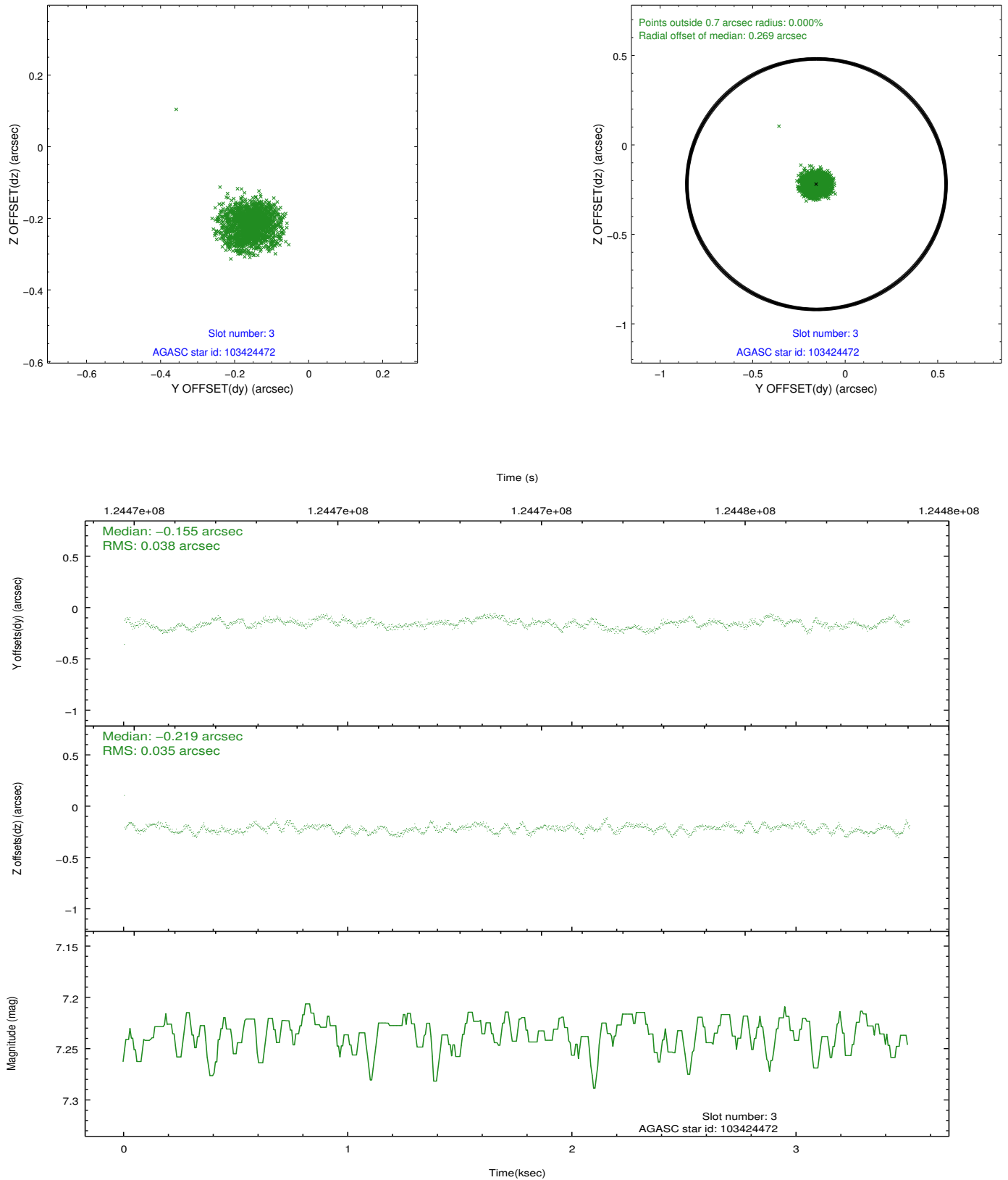


Slot Statistics

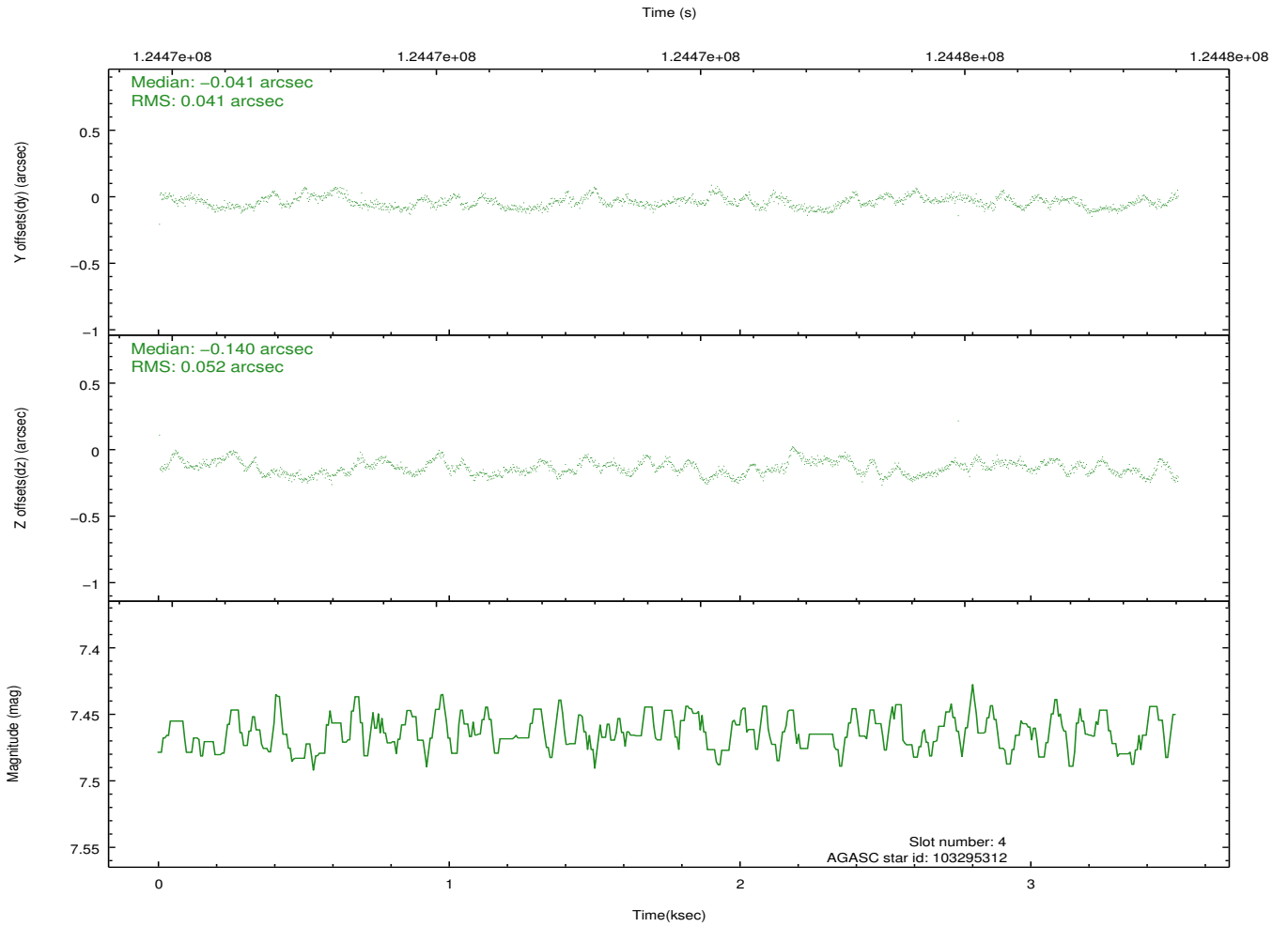
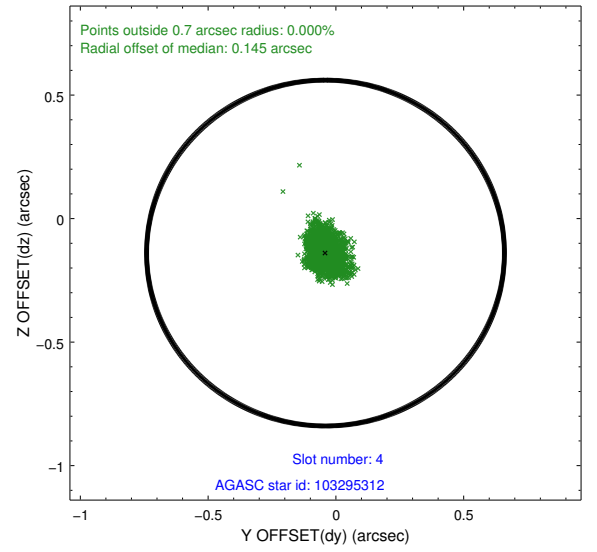
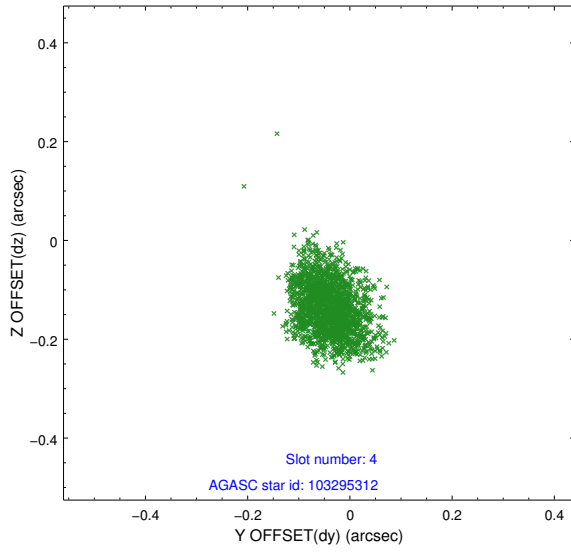
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	853	-0.027	0.008	0.007	0.011	0.000000	0.000000	-755.86	-1727.62
1	FID	ACIS-S-4	7.20	851	-0.015	0.011	0.005	0.010	0.000000	0.000000	2156.58	179.04
2	FID	ACIS-S-5	7.23	853	0.010	-0.010	0.007	0.012	0.000000	0.000000	-1806.37	174.69
3	GUIDE	103424472	7.24	1707	-0.155	-0.219	0.057	0.085	120.737980	12.944300	1455.73	1907.27
4	GUIDE	103295312	7.46	1708	-0.041	-0.140	0.071	0.111	120.636493	12.452234	-325.80	1611.90
5	GUIDE	103428984	7.59	1708	0.089	0.027	0.048	0.077	121.225289	12.178709	-508.84	-673.94
6	GUIDE	103424768	9.00	1709	0.033	0.239	0.073	0.119	121.477286	11.533975	-2358.85	-2334.67
7	GUIDE	103426776	9.46	1708	0.083	0.093	0.100	0.166	121.917316	12.619226	1842.78	-2378.83

2.4 Star Slots

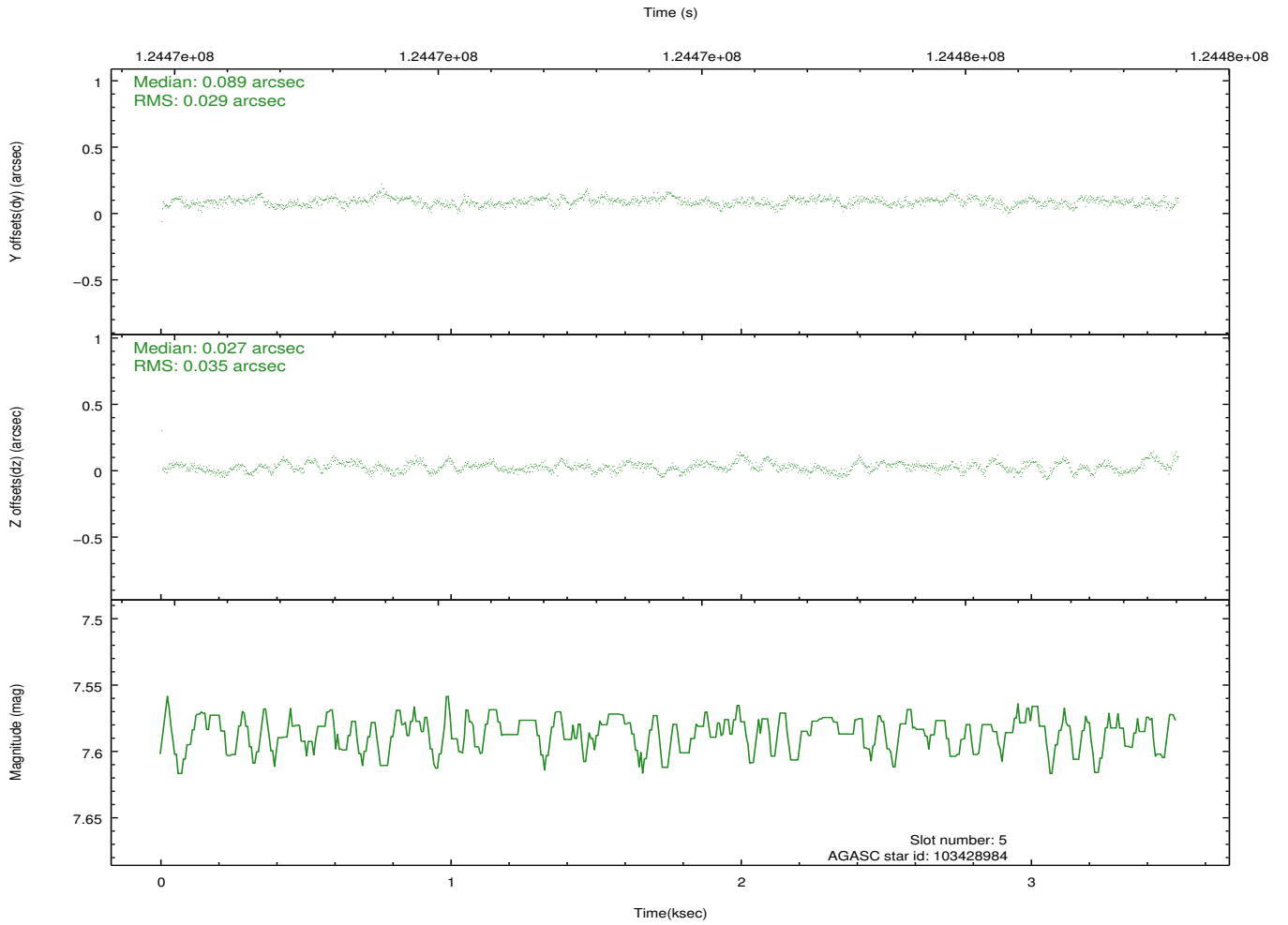
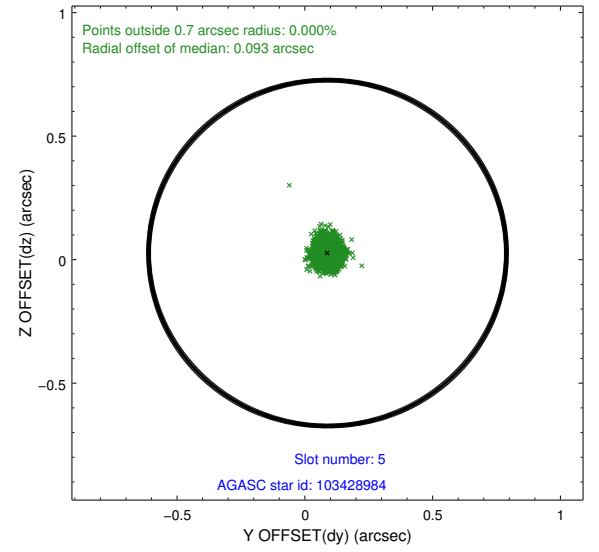
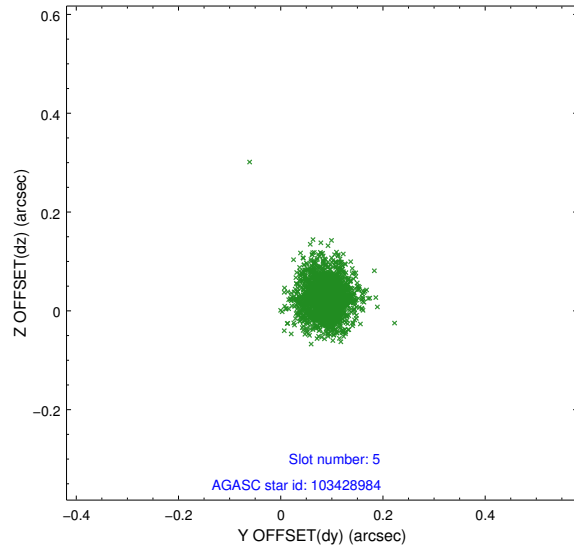
2.4.1 Slot 3



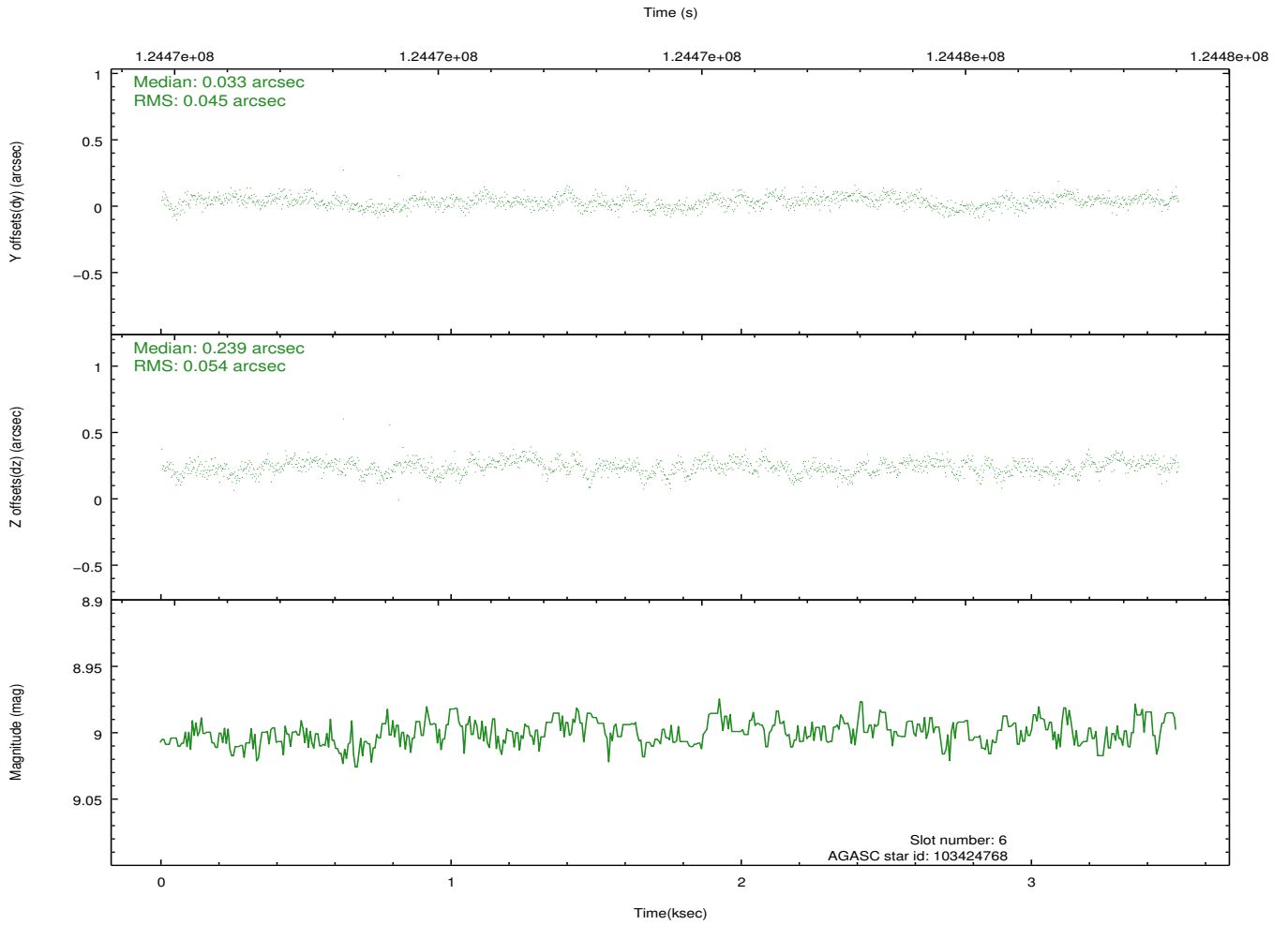
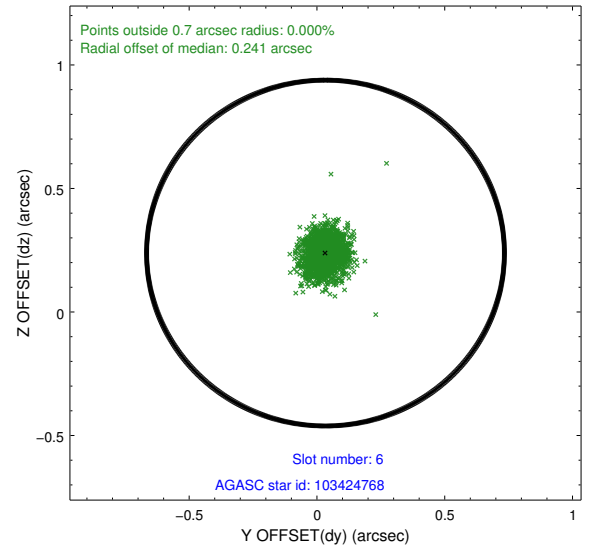
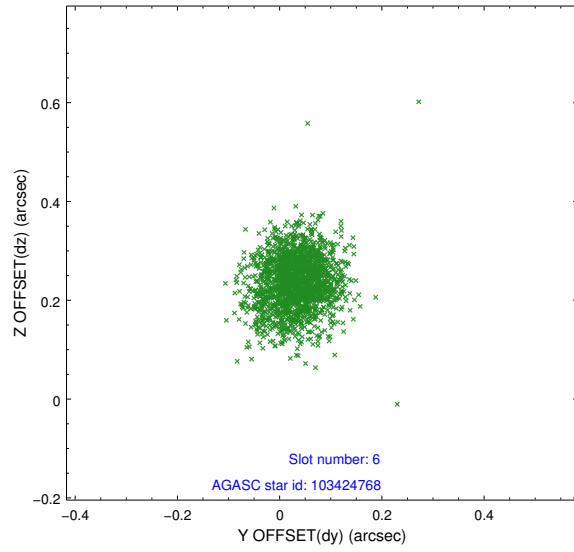
2.4.2 Slot 4



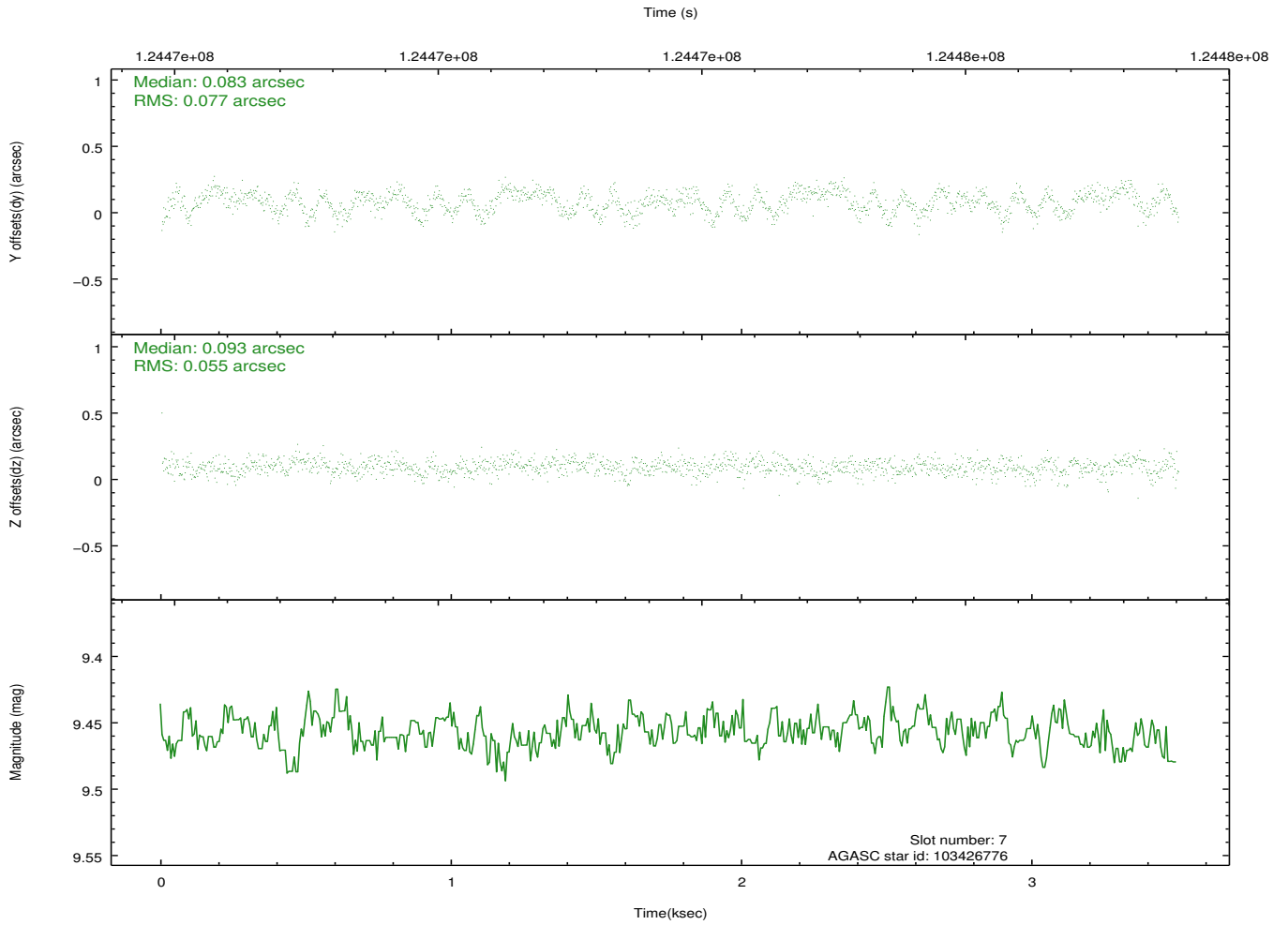
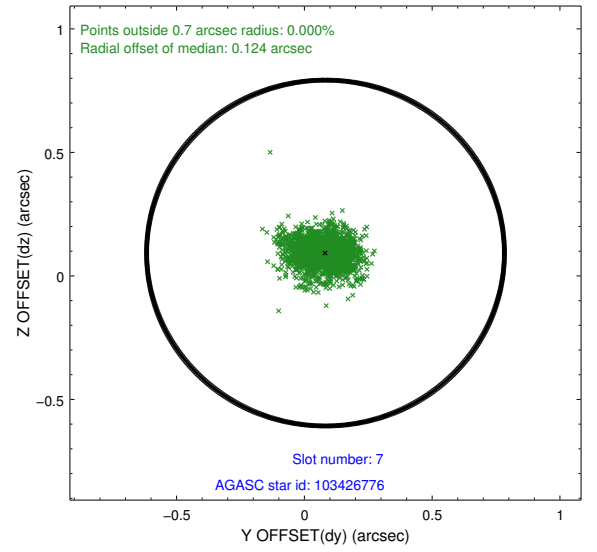
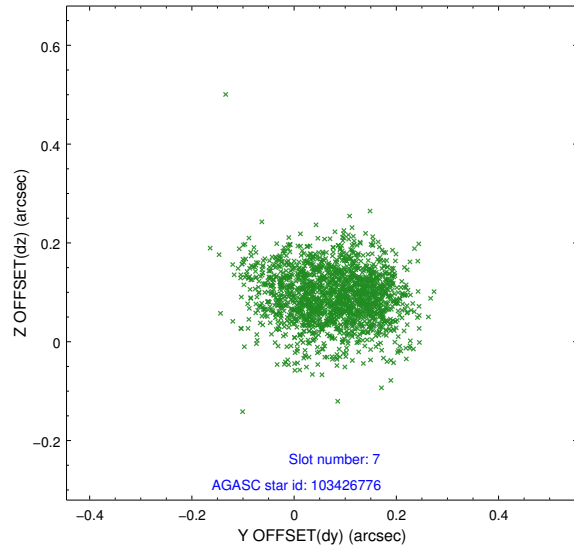
2.4.3 Slot 5



2.4.4 Slot 6

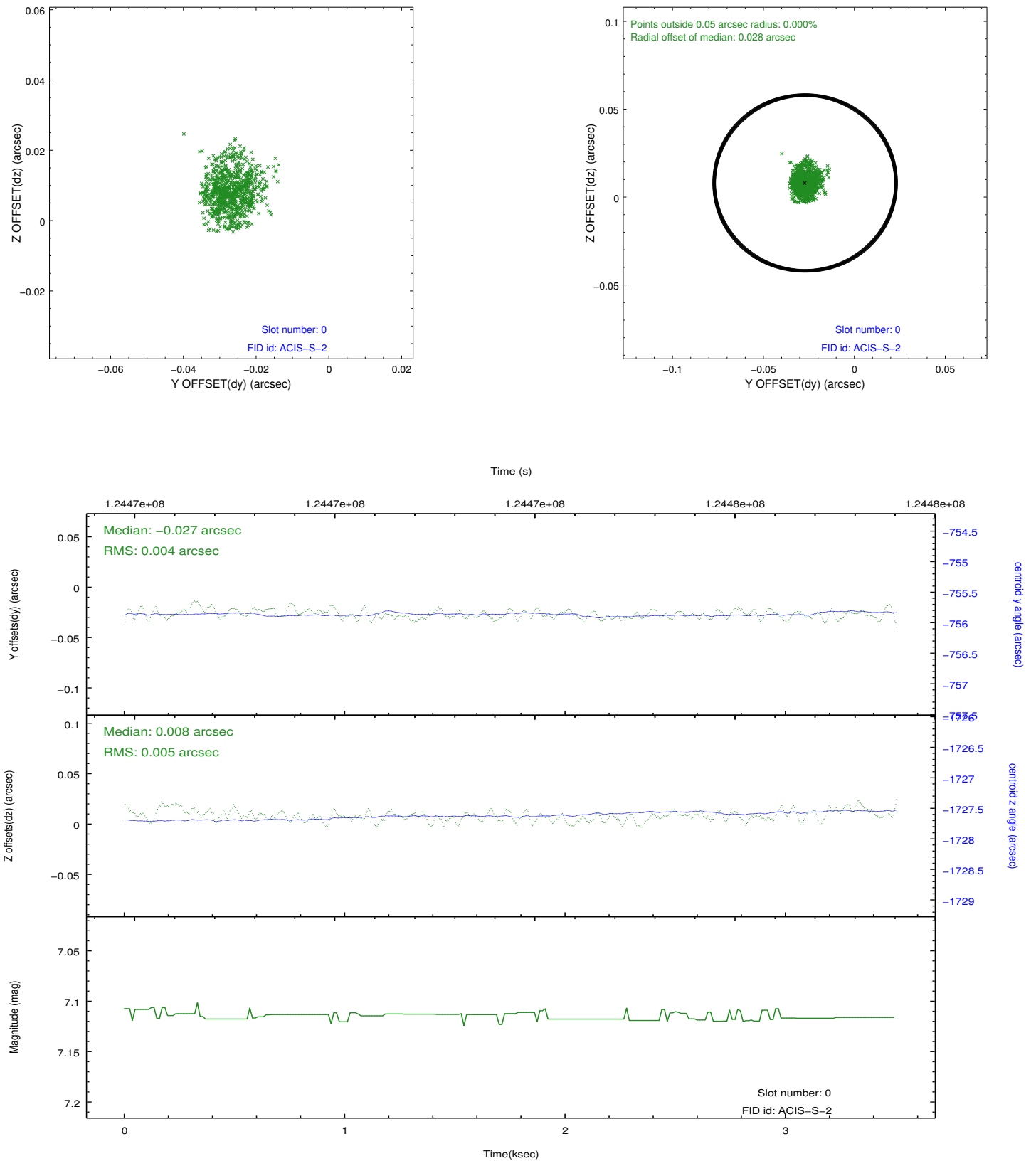


2.4.5 Slot 7

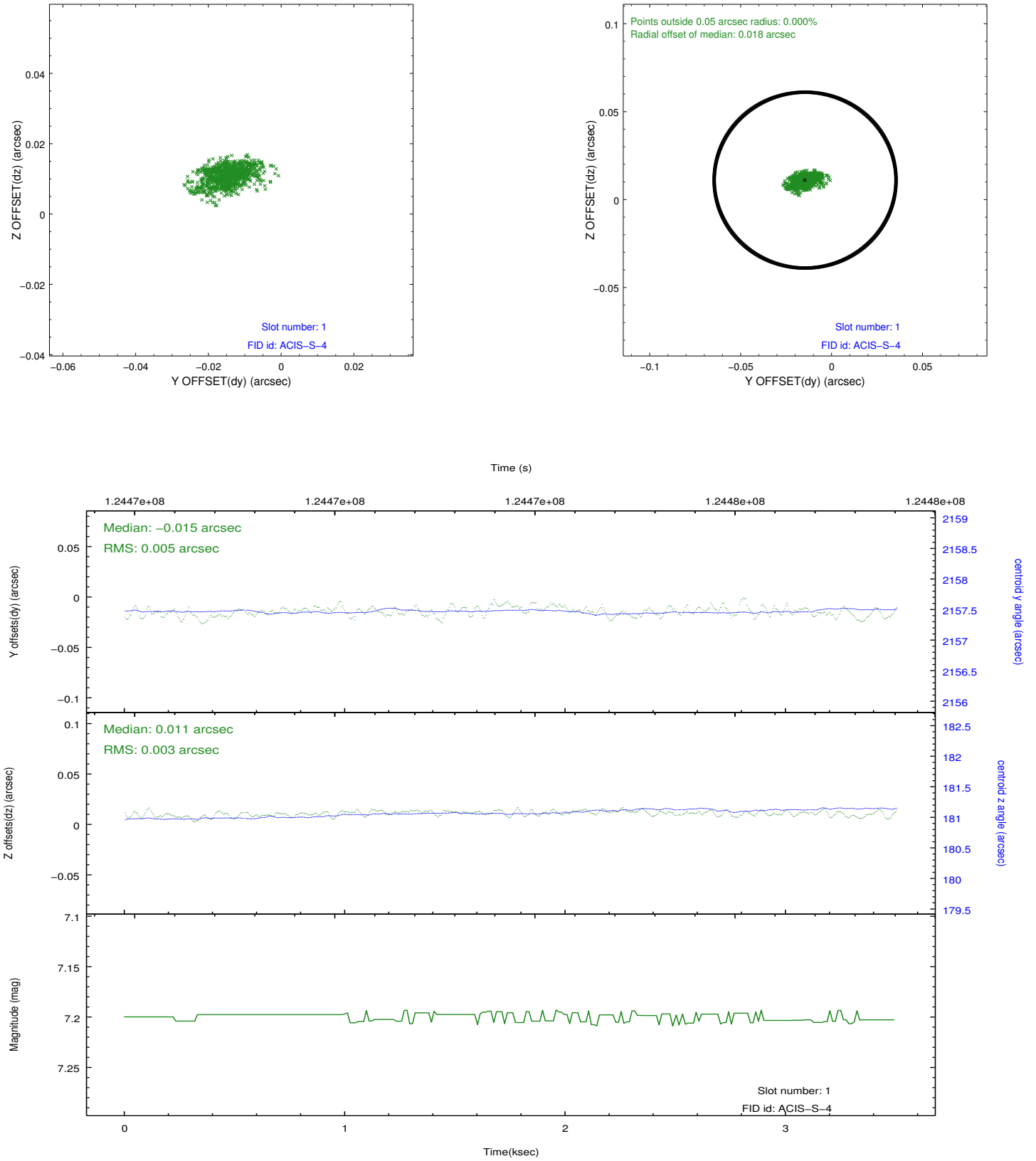


2.5 FID Slots

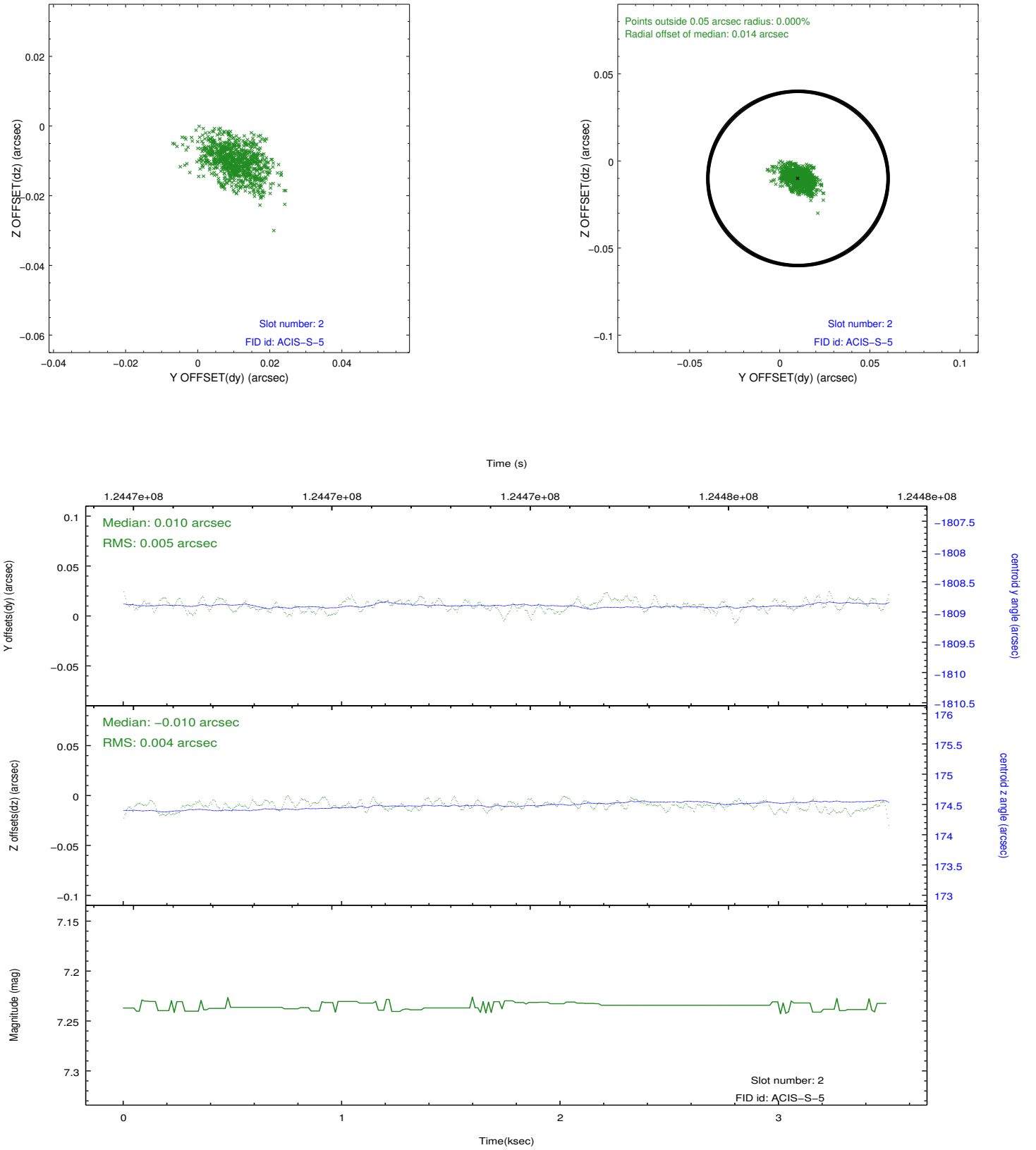
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.5

A.2 Comments