

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3406 - L2 Version 3
Chandra X-Ray Center

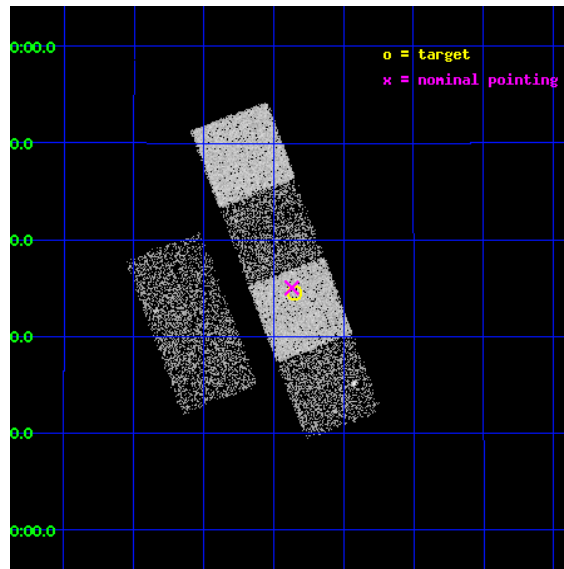
L2 Processing Date : Oct 18 2012

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1 Front

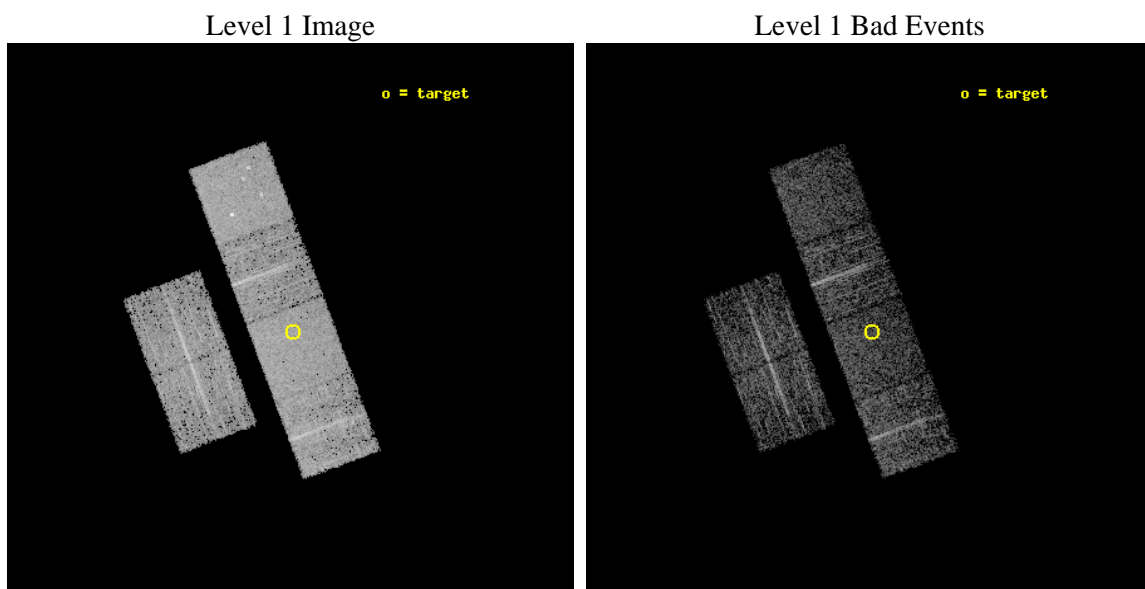
seq_num	100016	Sequence number
obs_id	3406	Observation id
title	ASTEROID OBSERVATION	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	1998 WT24	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.9624	Observer's specified target RA [deg]
dec_targ	12.5757	Observer's specified target Dec [deg]
ra_nom	120.96746832553	Nominal RA [deg]
dec_nom	12.584150718697	Nominal Dec [deg]
roll_nom	69.409791042367	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3484.8000032306	Sum of GTIs [s]
livetime	3440.673367295	Livetime [s]
ontime2	3484.8000032306	Sum of GTIs [s]
ontime3	3484.8000032306	Sum of GTIs [s]
ontime5	3481.5590528846	Sum of GTIs [s]
ontime6	3484.8000032306	Sum of GTIs [s]
ontime7	3484.8000032306	Sum of GTIs [s]
ontime8	3484.8000032306	Sum of GTIs [s]
l2events	35289	Number of level 2 events



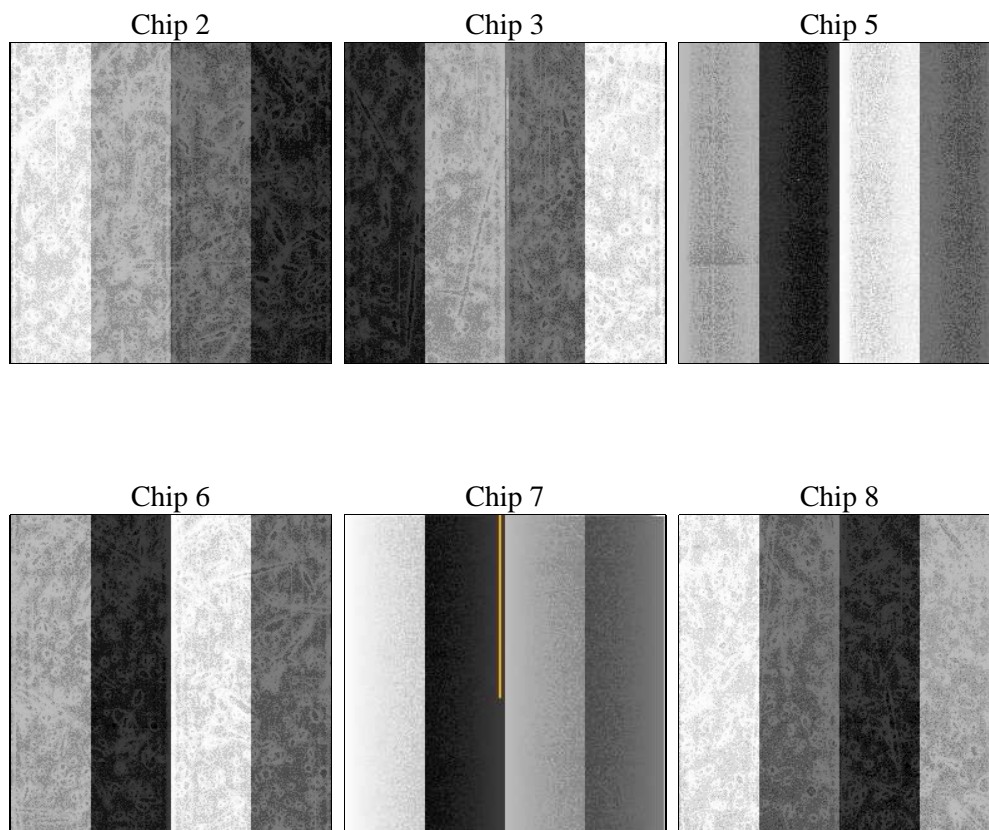
2 OBI

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	3484.8000032306	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	3484.8000032306	Sum of GTIs [s]
date	2012-10-18T16:58:15	Date and time of file creation	ontime3	3484.8000032306	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3481.5590528846	Sum of GTIs [s]
			ontime6	3484.8000032306	Sum of GTIs [s]
			ontime7	3484.8000032306	Sum of GTIs [s]
			ontime8	3484.8000032306	Sum of GTIs [s]
			l1events	169426	Number of level 1 events

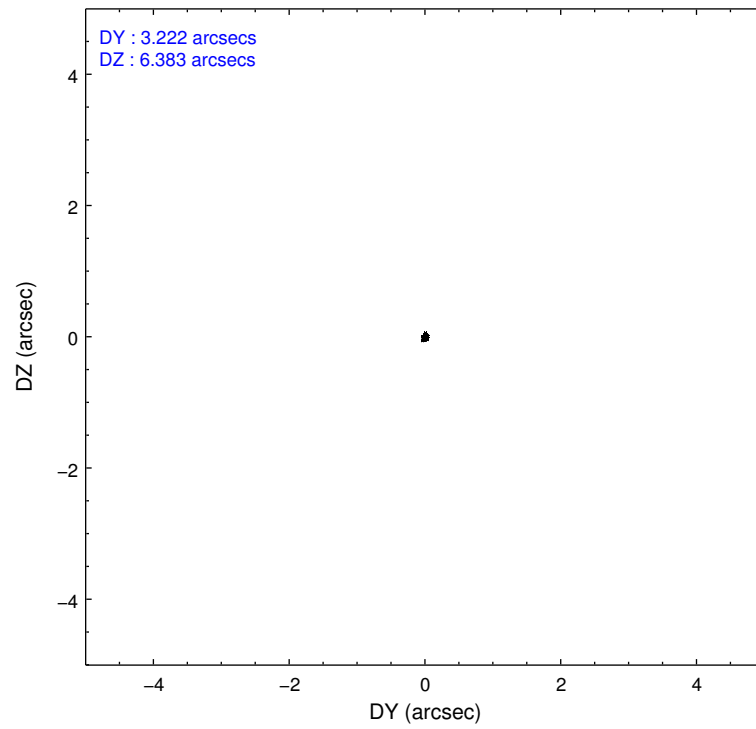
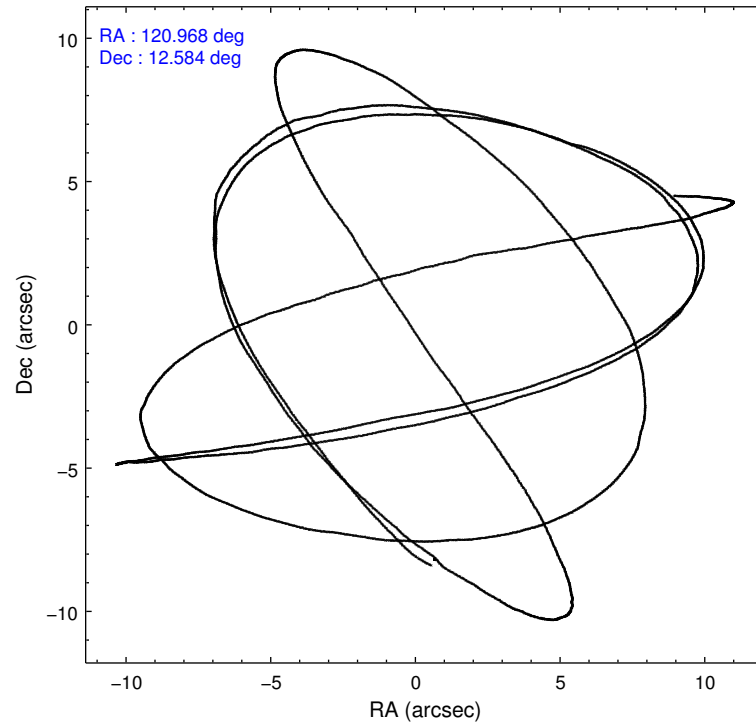
2.1.4 Events

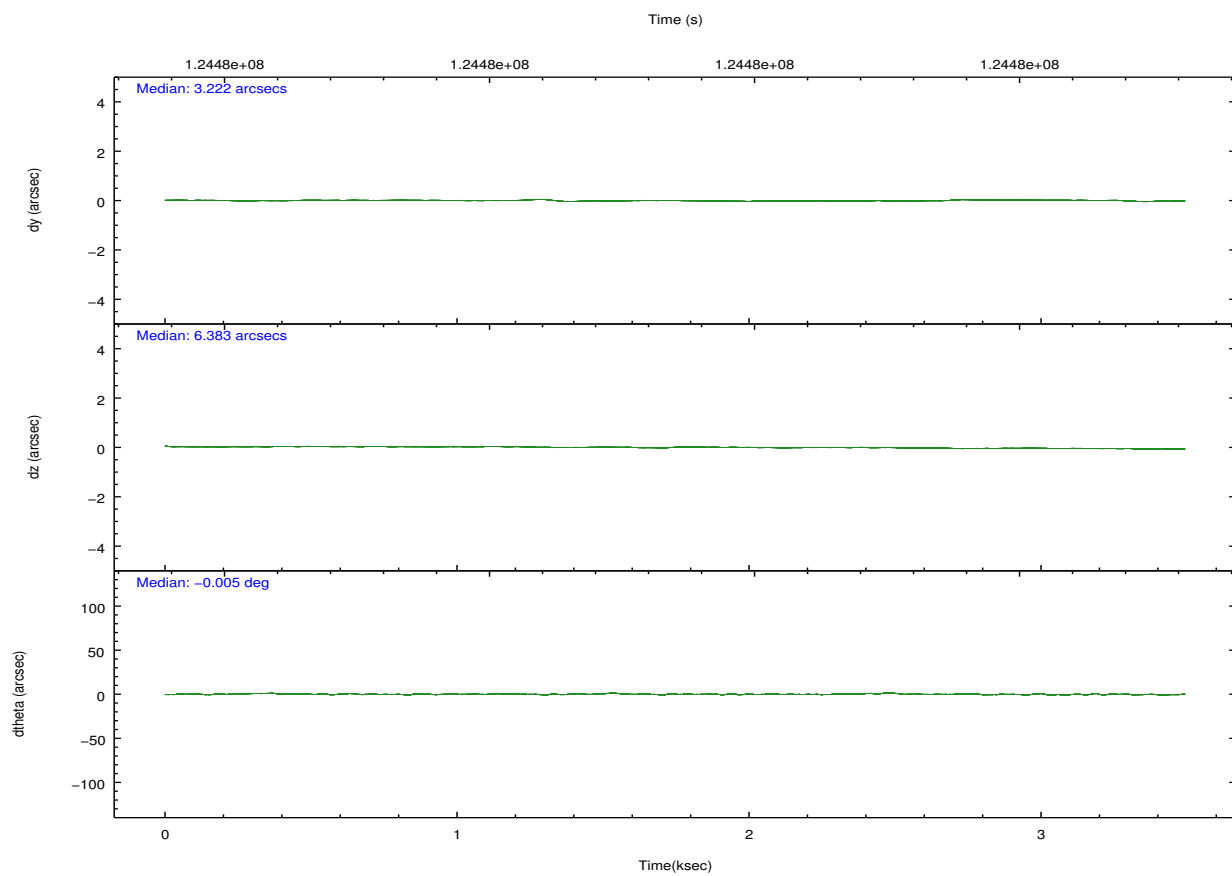
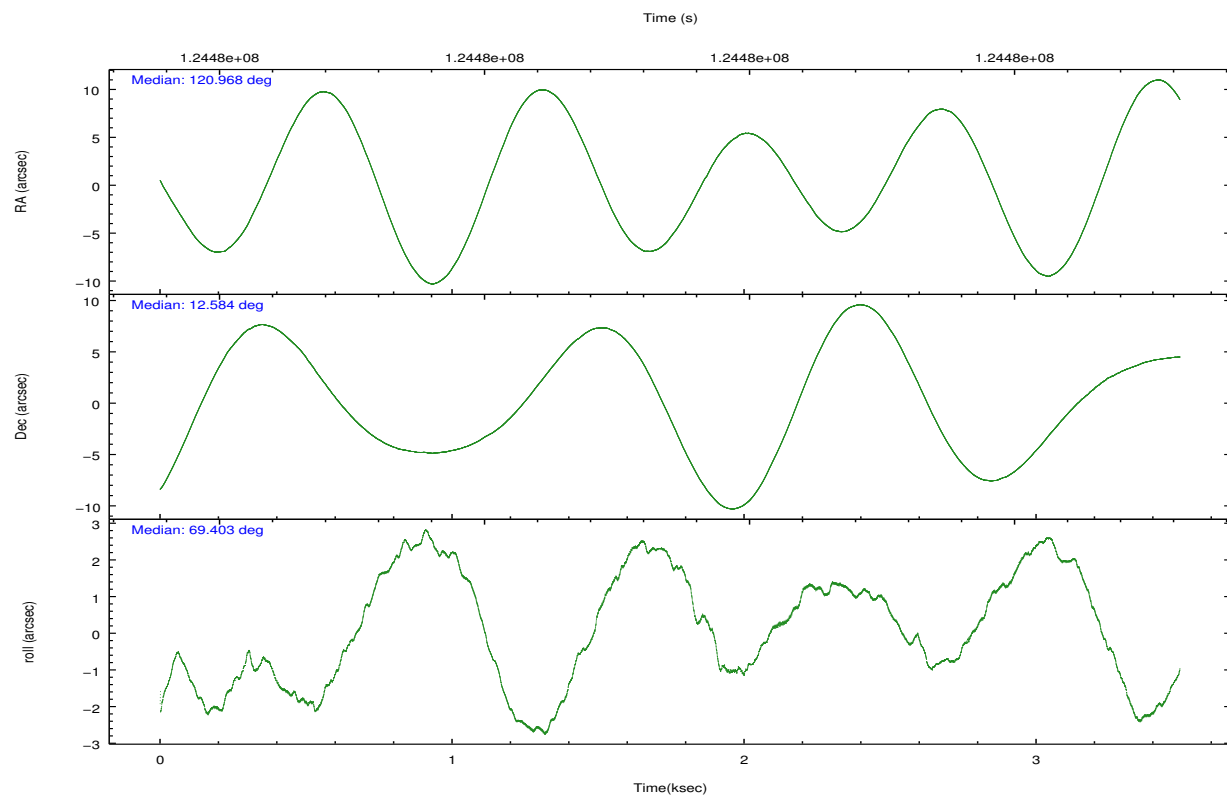
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23553	24139	34889	24571	32071	30203	grade 0 events	1105	1103	2132	1076	1179	2252
rejected events	21025	21621	19398	21856	19651	24116		4%	4%	6%	4%	3%	7%
rejected %	89%	89%	55%	88%	61%	79%	grade 1 events	16	6	47	1	34	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	590	555	4764	570	2622	1239
								2%	2%	13%	2%	8%	4%
							grade 3 events	254	244	597	291	1227	796
								1%	1%	1%	1%	3%	2%
							grade 4 events	268	254	608	280	1235	751
								1%	1%	1%	1%	3%	2%
							grade 5 events	830	993	2533	1023	3091	1393
								3%	4%	7%	4%	9%	4%
							grade 6 events	474	495	8224	636	6866	1324
								2%	2%	23%	2%	21%	4%
							grade 7 events	20016	20489	15984	20694	15817	22428
								84%	84%	45%	84%	49%	74%

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	120.972394	120.9674683255336	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.557209	12.5841507186974	Alternating exposures requested	N	N
[deg] Pointing Roll	69.252083	69.40979104236686	[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)	124476145.184000	124475768.6915			
Observation start date	2001-12-11T16:41:21	2001-12-11T16:36:08			
[s] Observation end time (MET)	124479445.184000	124480211.55417			
Observation end date	2001-12-11T17:36:21	2001-12-11T17:50:11			
Read mode	TIMED	TIMED			

2.3 Aspect



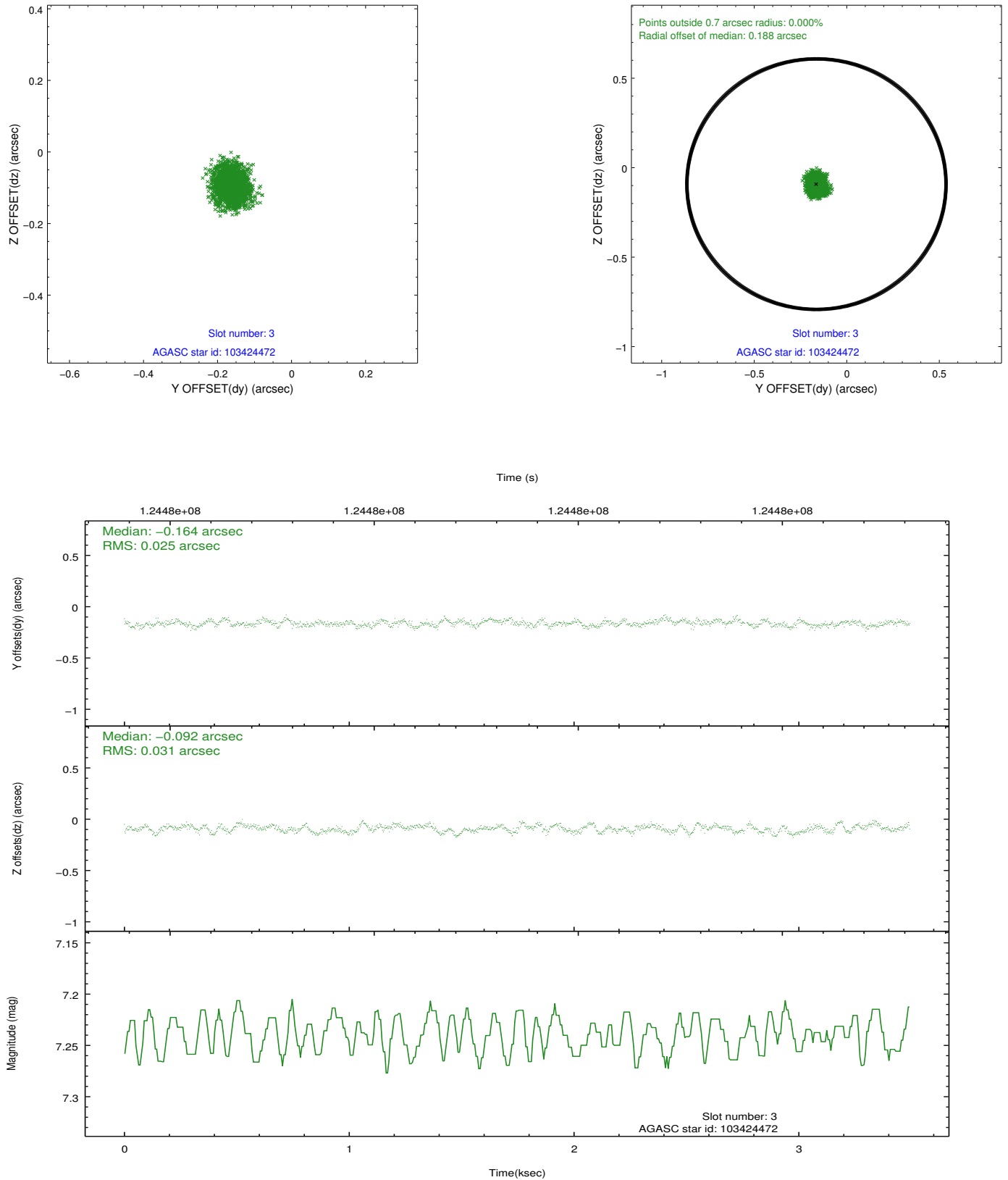


Slot Statistics

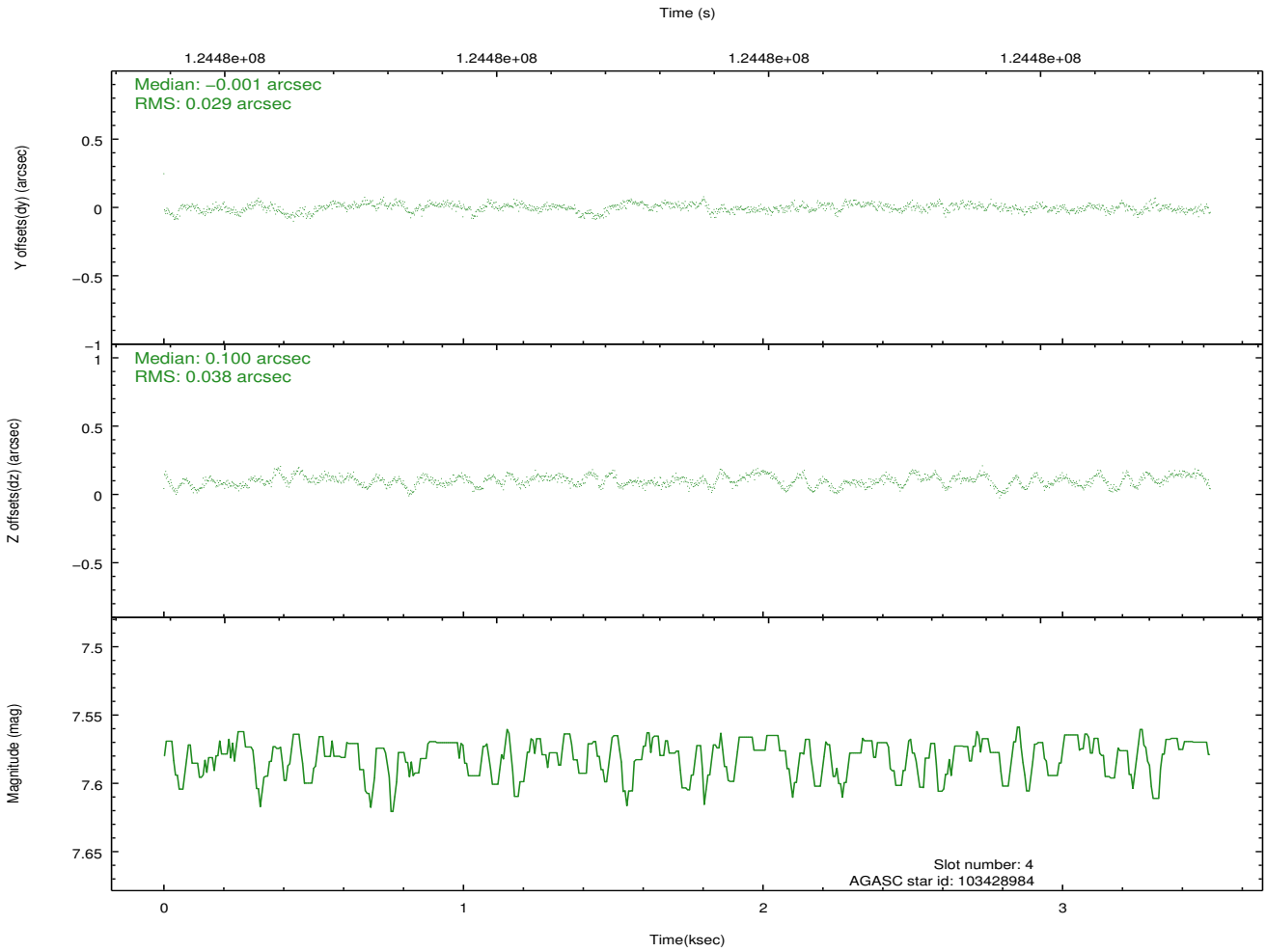
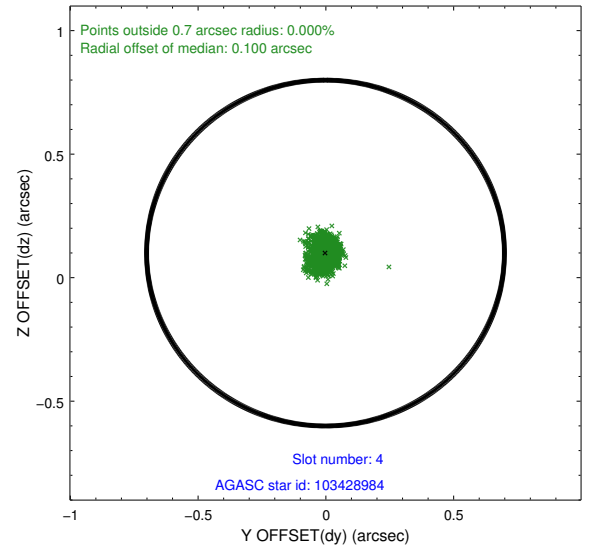
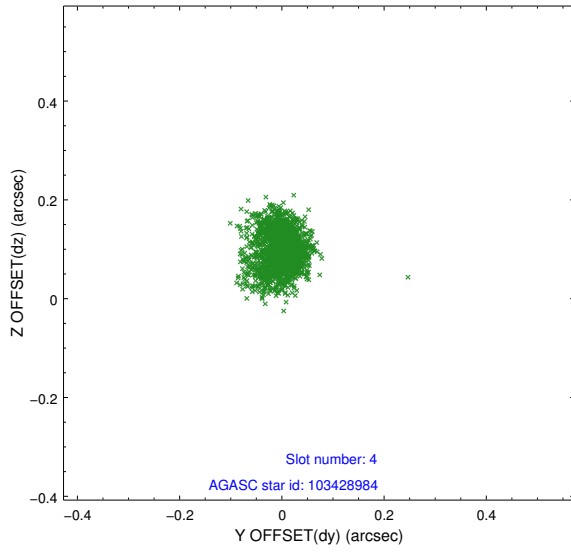
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	848	-0.028	0.011	0.007	0.011	0.000000	0.000000	-755.87	-1727.48
1	FID	ACIS-S-4	7.21	847	-0.009	0.011	0.007	0.013	0.000000	0.000000	2156.58	179.17
2	FID	ACIS-S-5	7.24	848	0.006	-0.013	0.007	0.011	0.000000	0.000000	-1806.36	174.83
3	GUIDE	103424472	7.24	1697	-0.164	-0.092	0.043	0.068	120.737980	12.944300	1010.90	1263.05
4	GUIDE	103428984	7.58	1700	-0.001	0.100	0.052	0.083	121.225289	12.178709	-958.79	-1313.94
5	GUIDE	103289632	8.39	1697	0.054	-0.298	0.072	0.114	120.244598	12.444713	-1283.55	2249.28
6	GUIDE	103421224	9.31	1699	-0.036	0.111	0.089	0.140	121.400696	12.500636	342.40	-1477.85
7	GUIDE	103418896	9.34	1698	0.144	0.181	0.083	0.135	121.003365	11.925234	-2089.42	-908.84

2.4 Star Slots

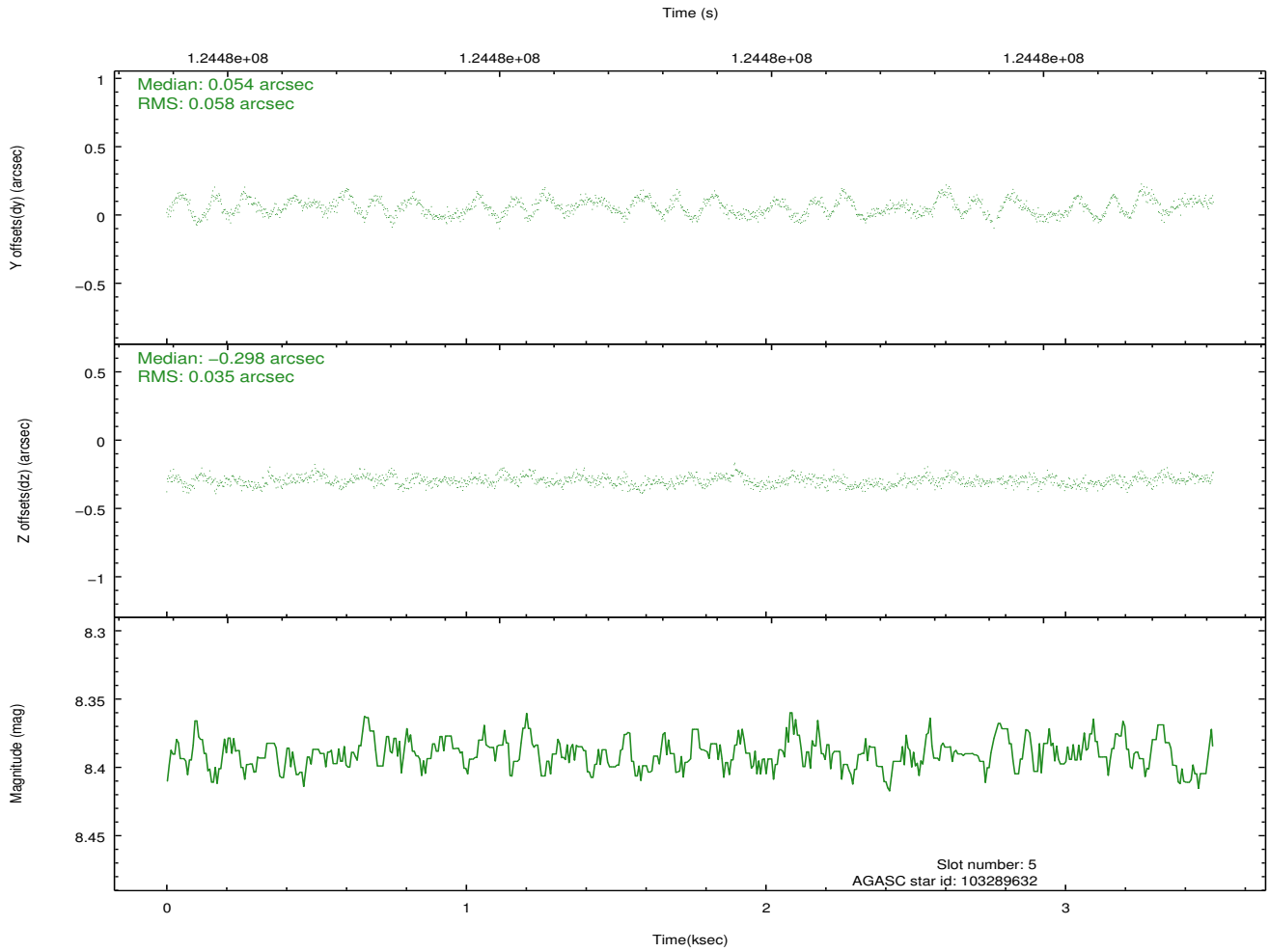
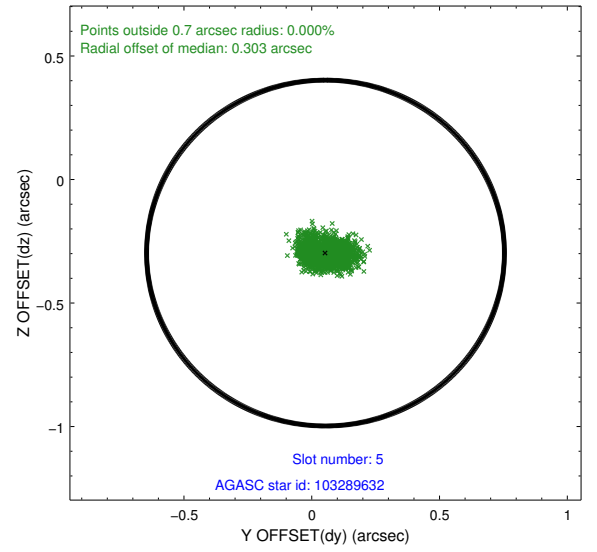
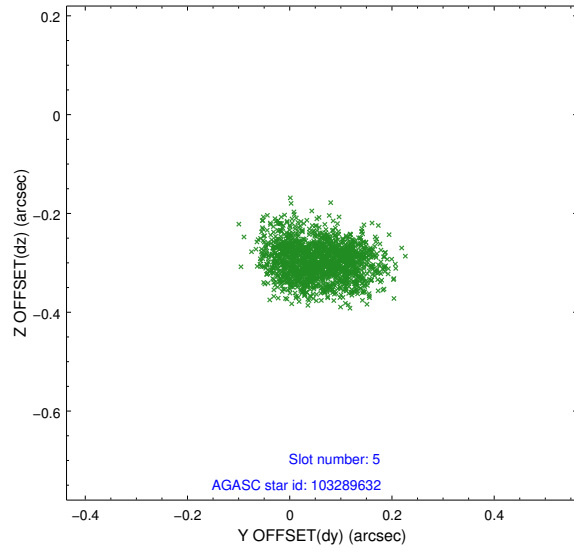
2.4.1 Slot 3



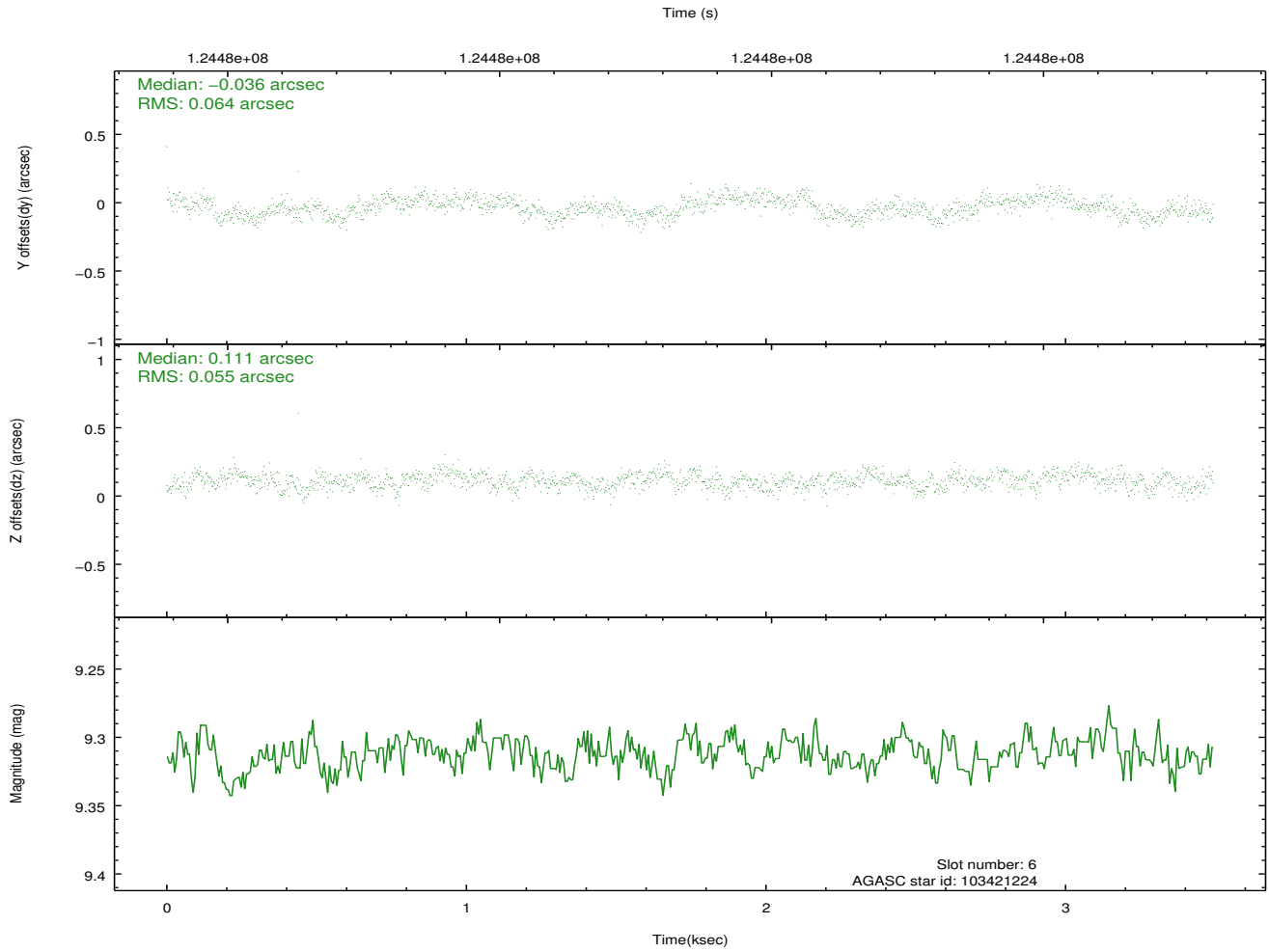
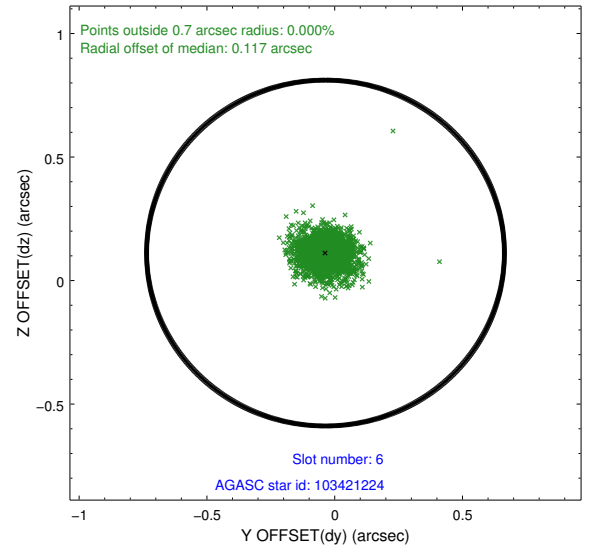
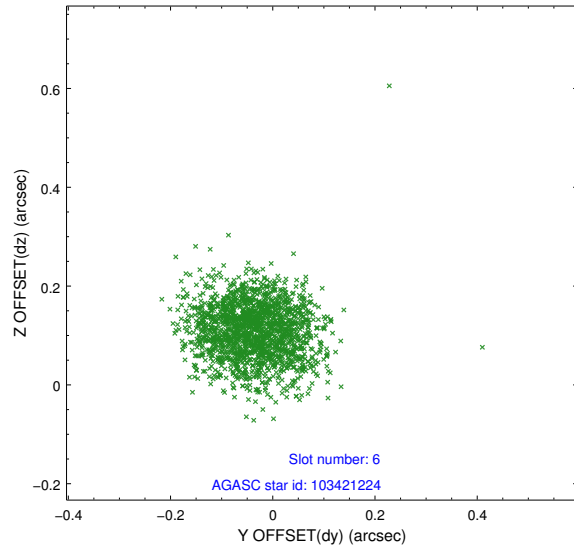
2.4.2 Slot 4



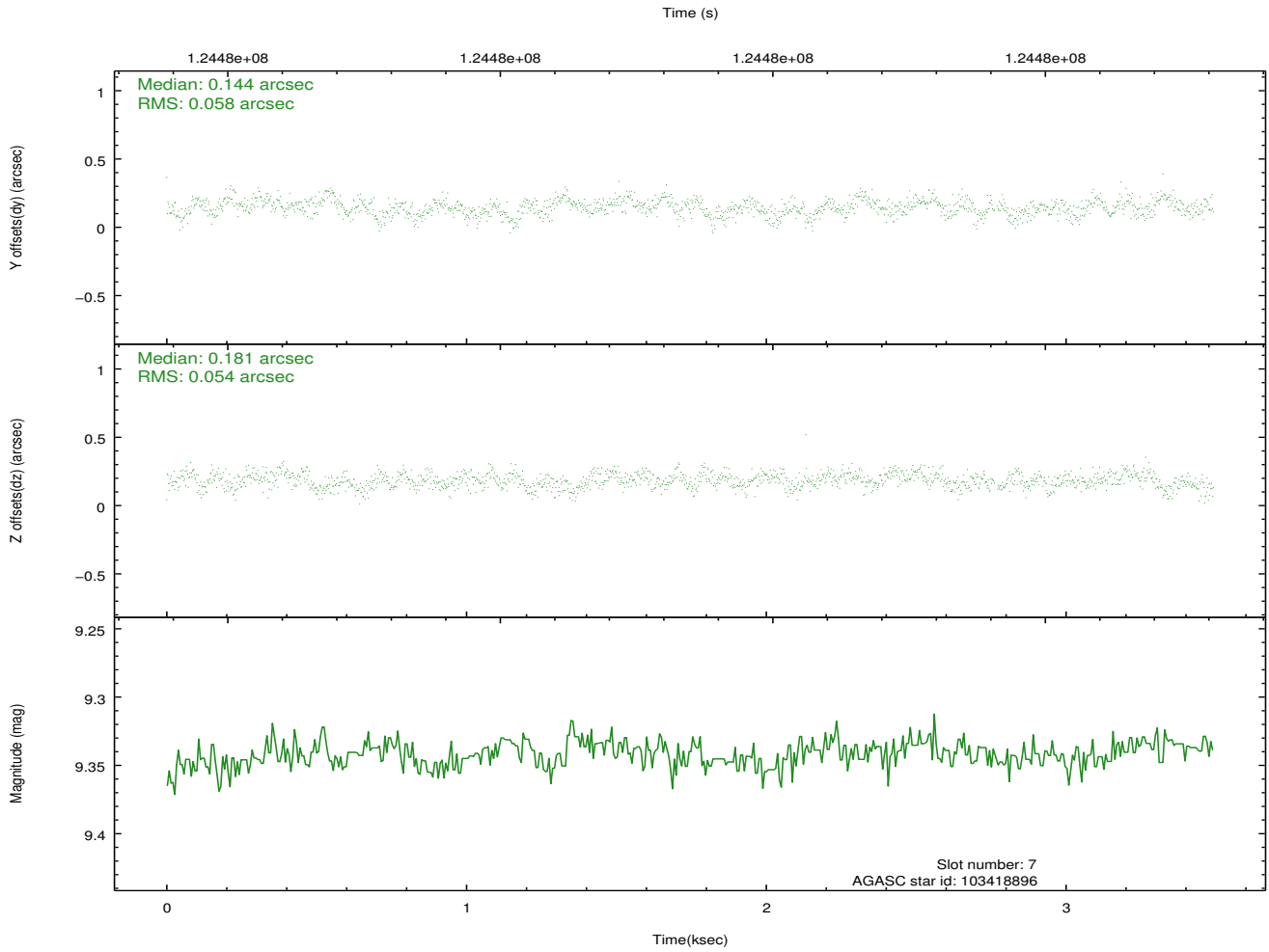
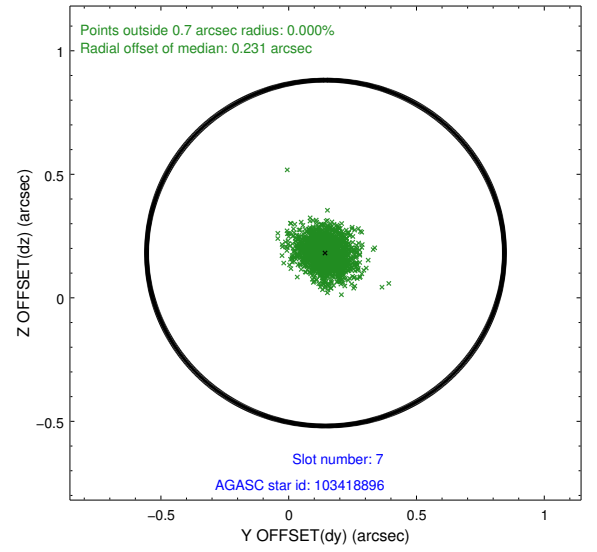
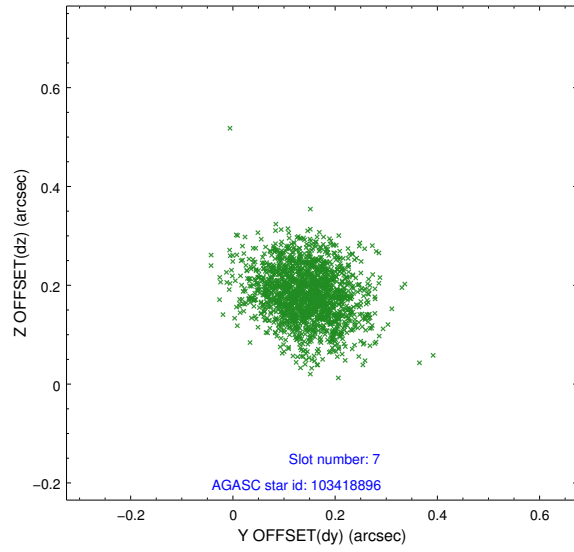
2.4.3 Slot 5



2.4.4 Slot 6

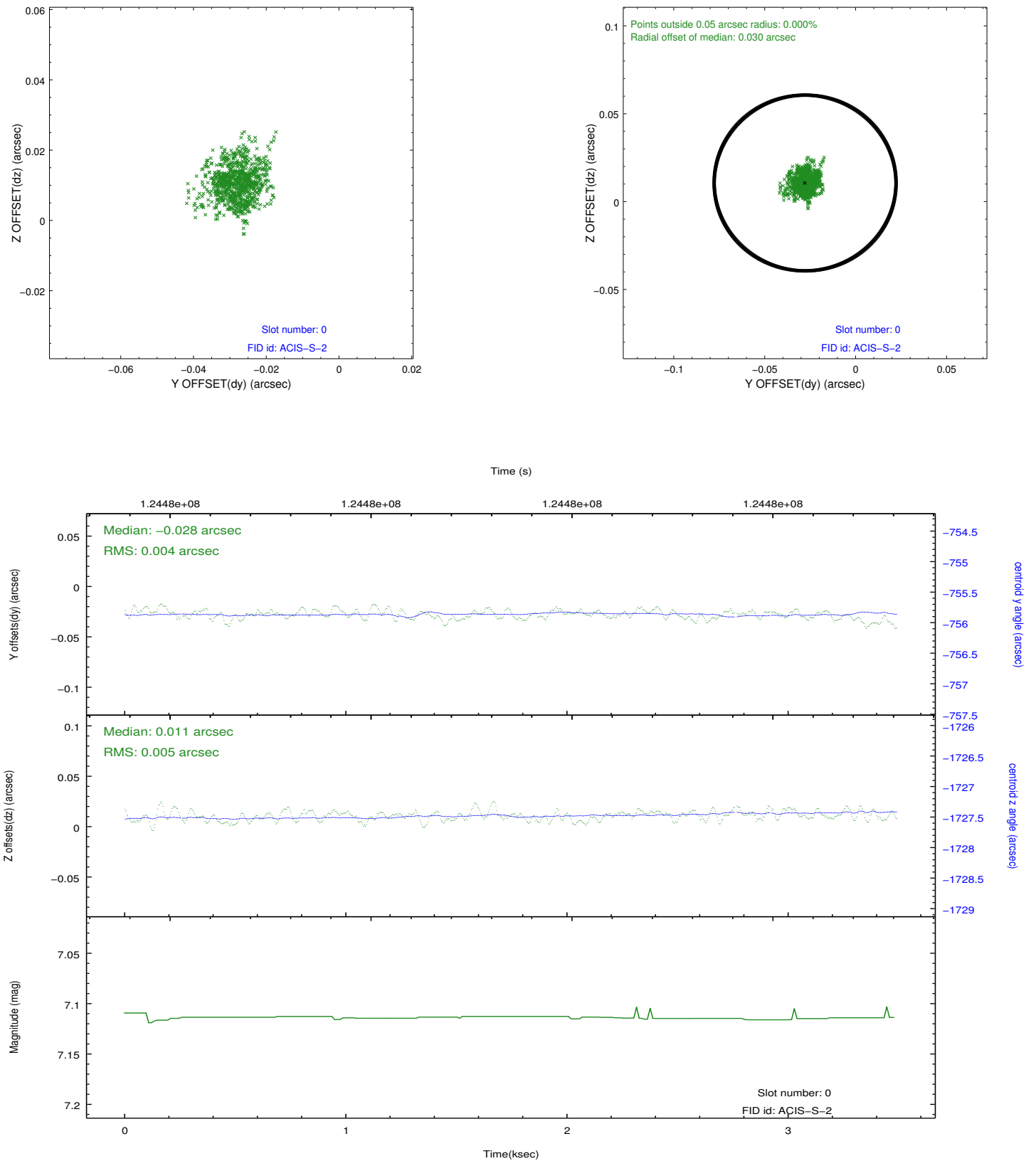


2.4.5 Slot 7

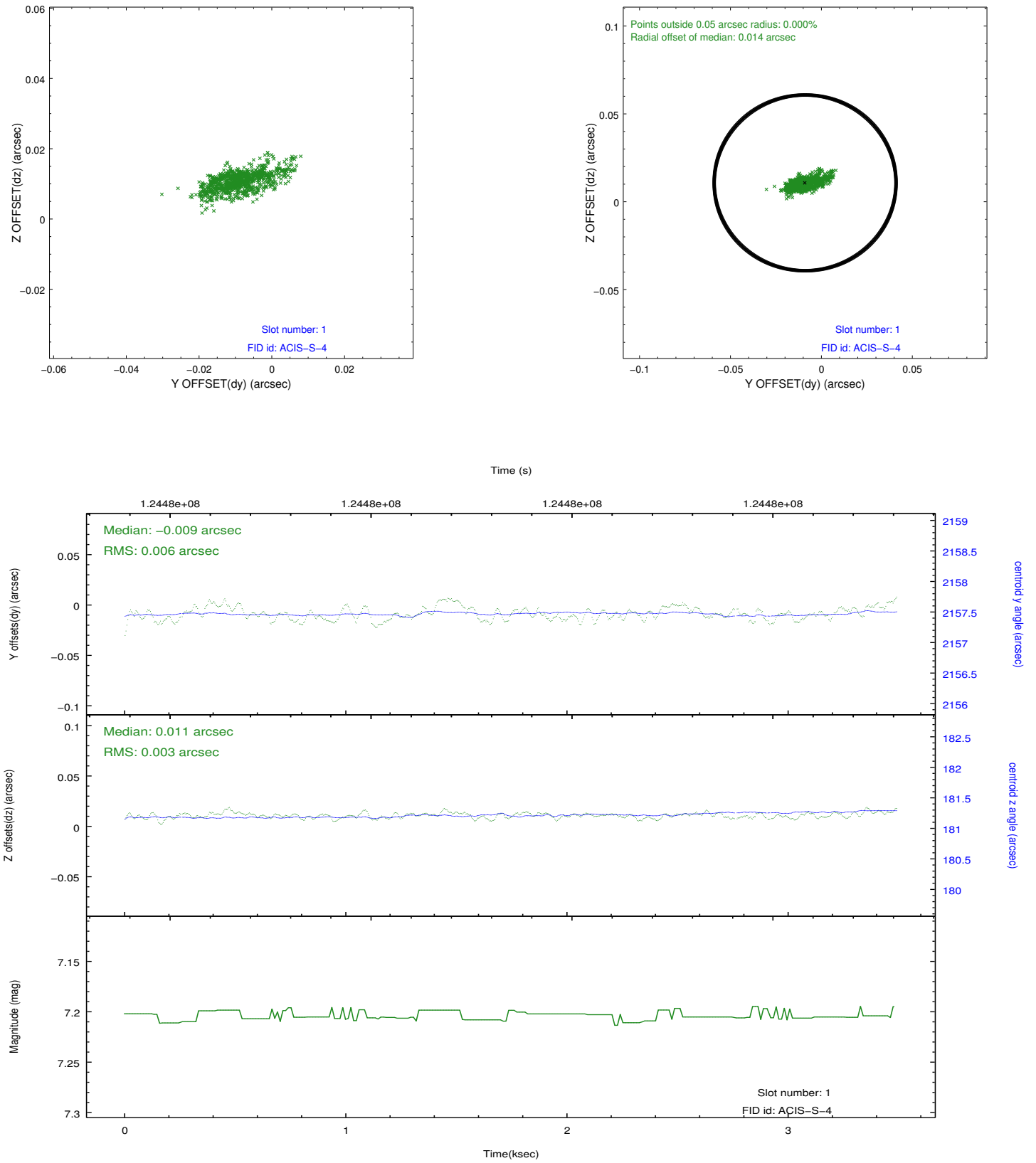


2.5 FID Slots

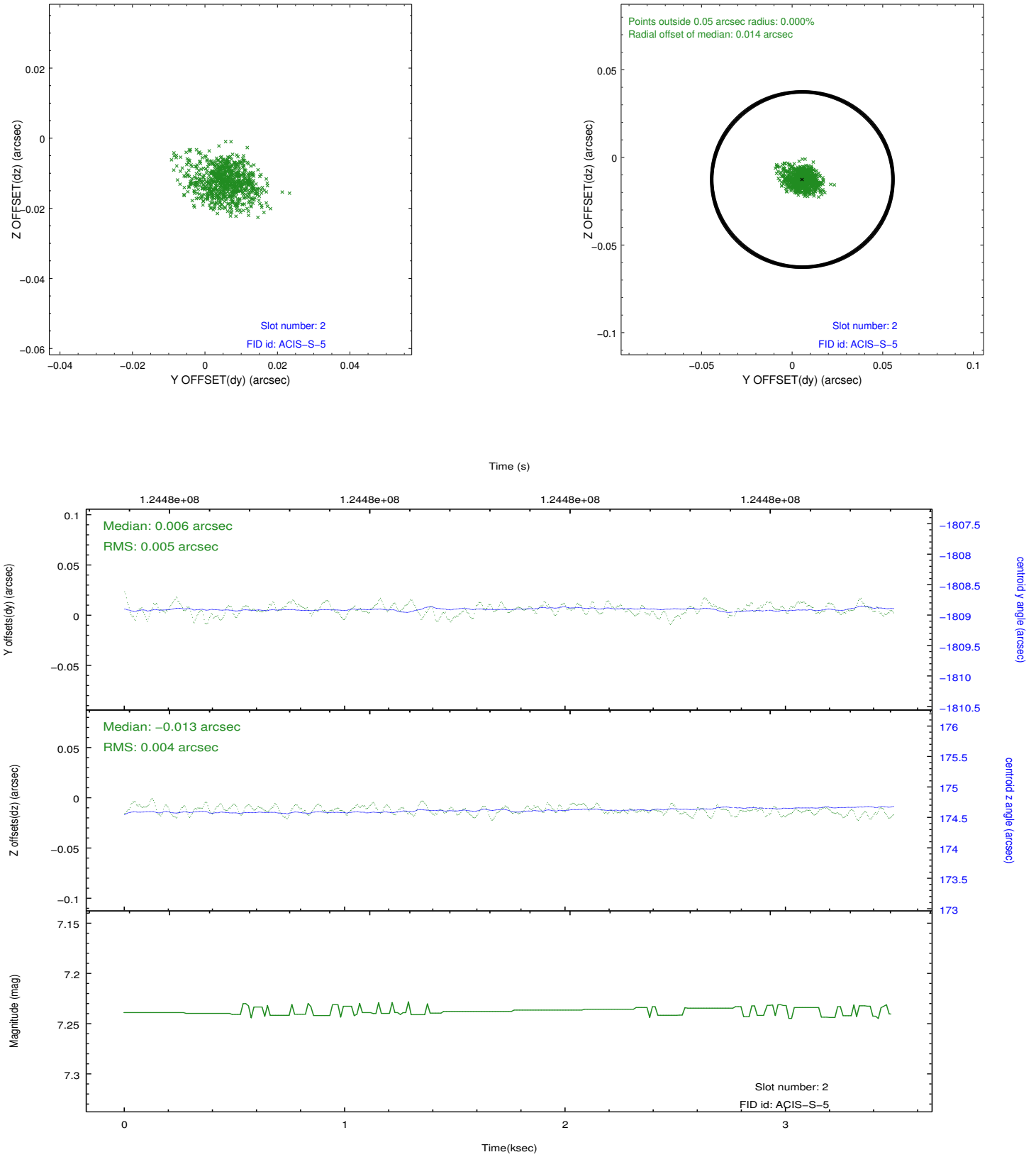
2.5.1 Slot 0



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	3.484

A.2 Comments