

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2974 - L2 Version 3
Chandra X-Ray Center

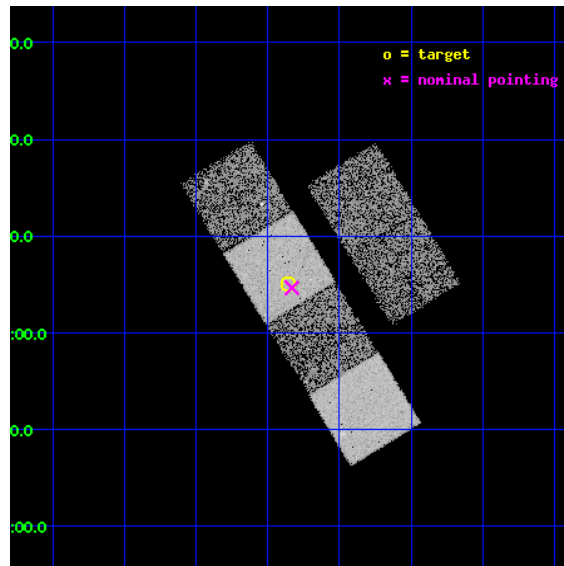
L2 Processing Date : Oct 7 2012

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1 Front

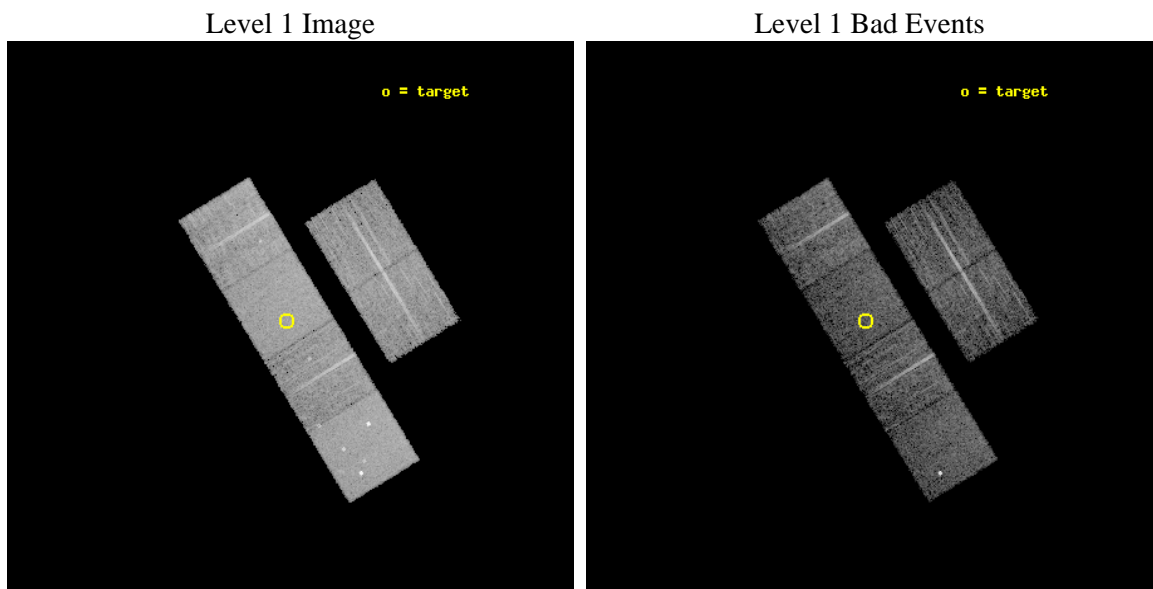
seq_num	700413	Sequence number
obs_id	2974	Observation id
title	A COMPLETE X-RAY SAMPLE OF BROAD ABSORPTION LINE QSOS	Proposal tit
observer	Professor Gordon Garmire	Principal investigator
object	LBQS 1243+0121	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	191.464167	Observer's specified target RA [deg]
dec_targ	1.084444	Observer's specified target Dec [deg]
ra_nom	191.45803972909	Nominal RA [deg]
dec_nom	1.077657283063	Nominal Dec [deg]
roll_nom	238.54897869982	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6751.288431257	Sum of GTIs [s]
livetime	6665.7995520026	Livetime [s]
ontime2	6751.3294712603	Sum of GTIs [s]
ontime3	6751.1653112471	Sum of GTIs [s]
ontime5	6751.2473912537	Sum of GTIs [s]
ontime6	6751.2063512504	Sum of GTIs [s]
ontime7	6751.288431257	Sum of GTIs [s]
ontime8	6747.8831814528	Sum of GTIs [s]
l2events	70037	Number of level 2 events



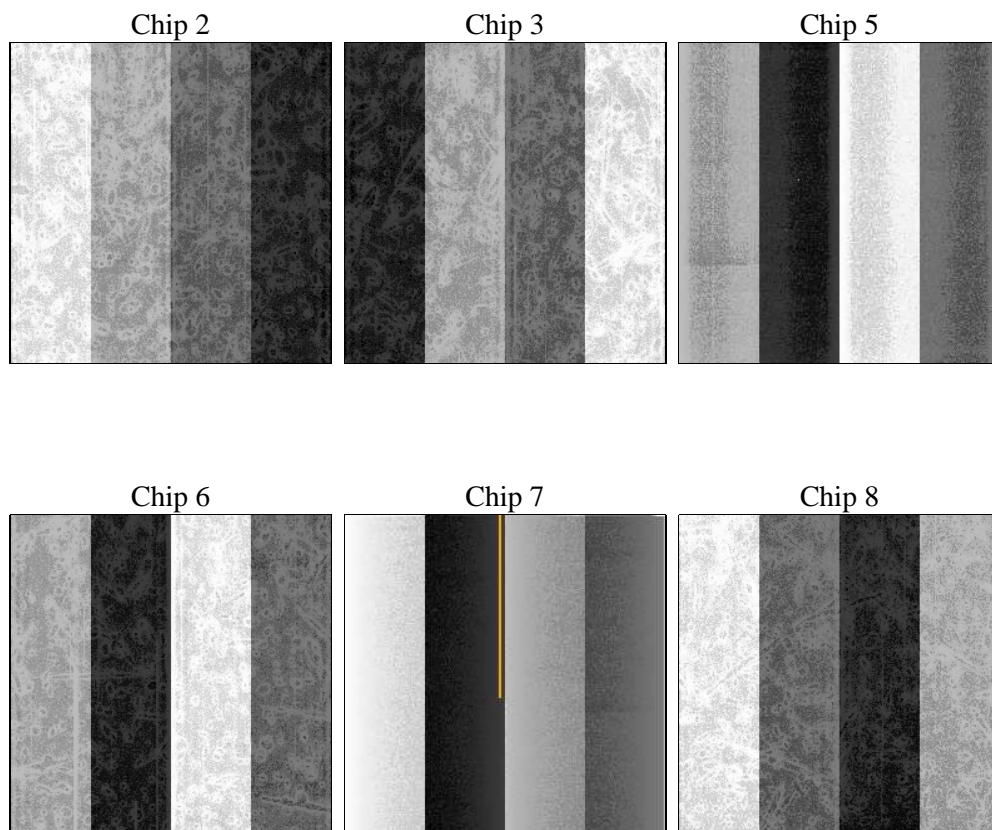
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6751.288431257	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	6751.3294712603	Sum of GTIs [s]
date	2012-10-07T08:13:59	Date and time of file creation	ontime3	6751.1653112471	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6751.2473912537	Sum of GTIs [s]
			ontime6	6751.2063512504	Sum of GTIs [s]
			ontime7	6751.288431257	Sum of GTIs [s]
			ontime8	6747.8831814528	Sum of GTIs [s]
			l1events	320753	Number of level 1 events

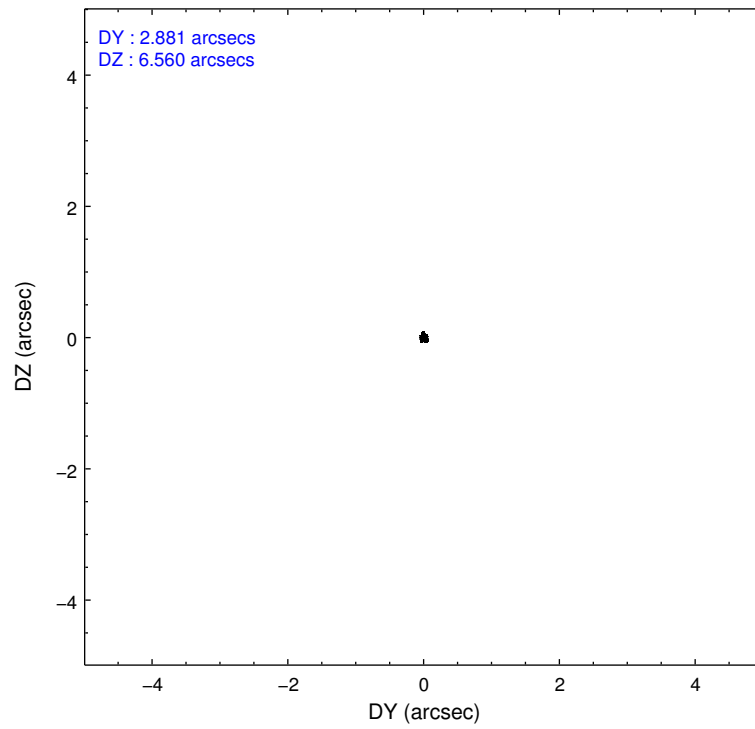
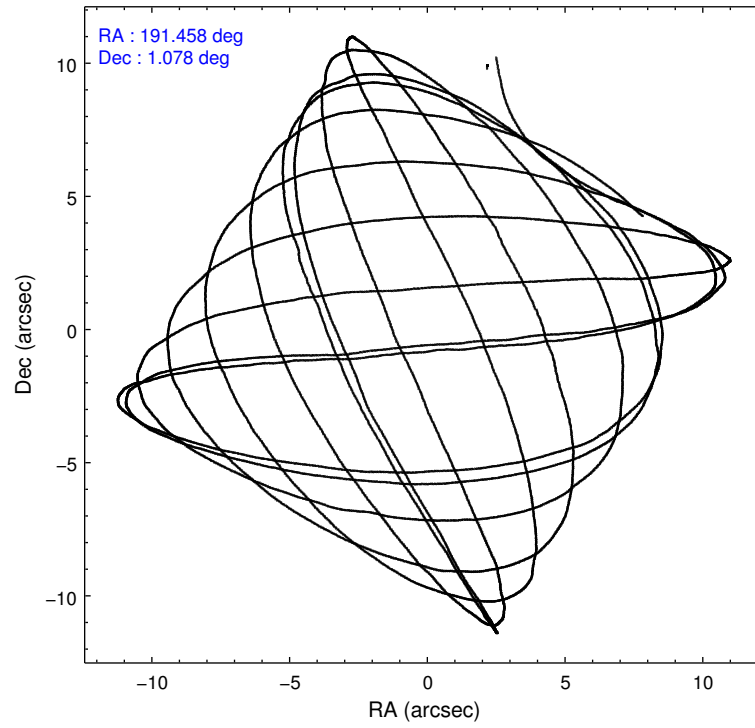
2.1.4 Events

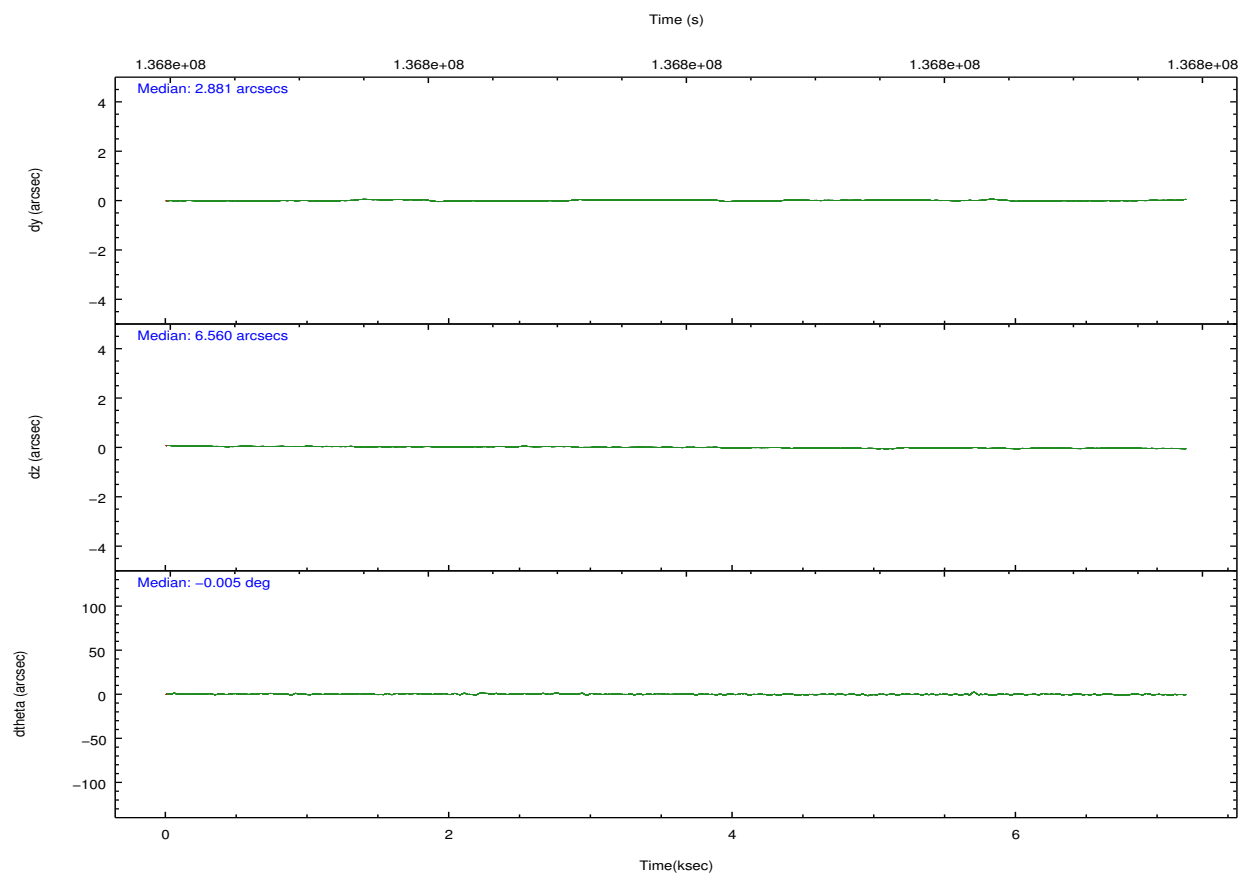
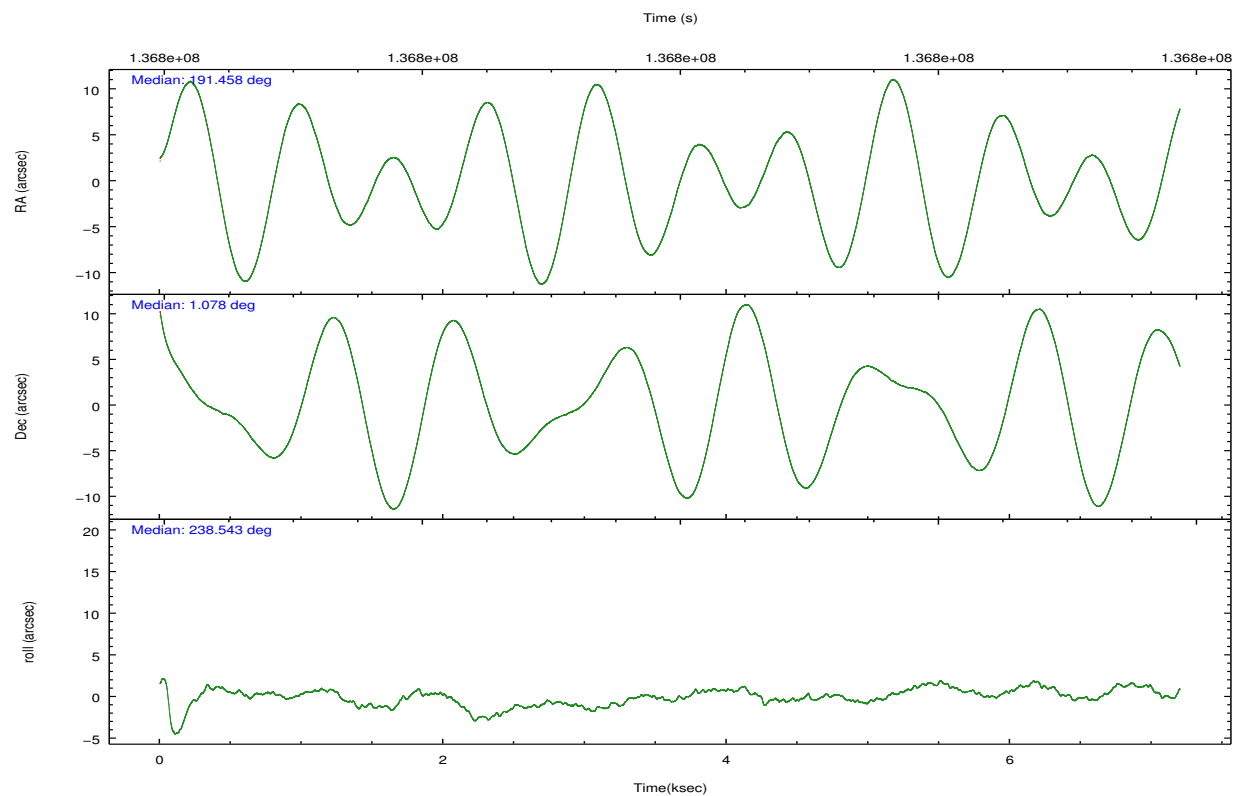
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	45159	44429	67630	44694	58408	60433	grade 0 events	2263	2196	4966	2366	2471	3990
rejected events	39998	39378	36143	39186	33671	47756		5%	4%	7%	5%	4%	6%
rejected %	88%	88%	53%	87%	57%	79%	grade 1 events	14	11	108	19	60	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	1083	1033	8779	1121	5067	2788
								2%	2%	12%	2%	8%	4%
							grade 3 events	469	487	1256	525	2231	1371
								1%	1%	1%	1%	3%	2%
							grade 4 events	480	482	1151	506	2209	1304
								1%	1%	1%	1%	3%	2%
							grade 5 events	1615	1814	5098	1962	5425	2570
								3%	4%	7%	4%	9%	4%
							grade 6 events	868	861	15361	995	12784	3232
								1%	1%	22%	2%	21%	5%
							grade 7 events	38367	37545	30911	37200	28161	45148
								84%	84%	45%	83%	48%	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	191.458339	191.458039729093	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.104864	1.077657283063021	Alternating exposures requested	N	N
[deg] Pointing Roll	238.392337	238.5489786998166	[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)	136796523.184000	136795864.8267			
Observation start date	2002-05-03T07:00:59	2002-05-03T06:51:04			
[s] Observation end time (MET)	136803523.184000	136804301.60205			
Observation end date	2002-05-03T08:57:39	2002-05-03T09:11:41			
Read mode	TIMED	TIMED			

2.3 Aspect



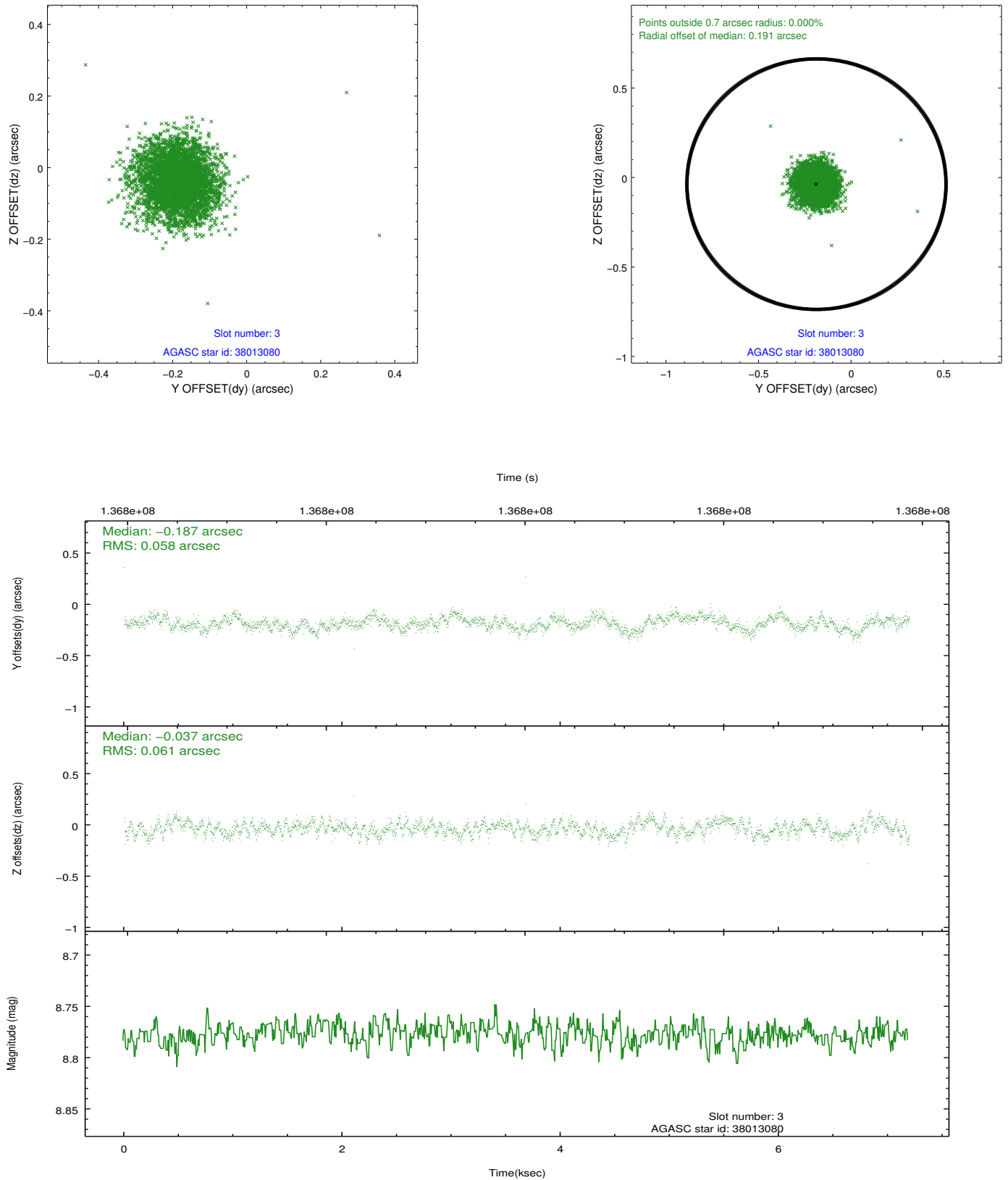


Slot Statistics

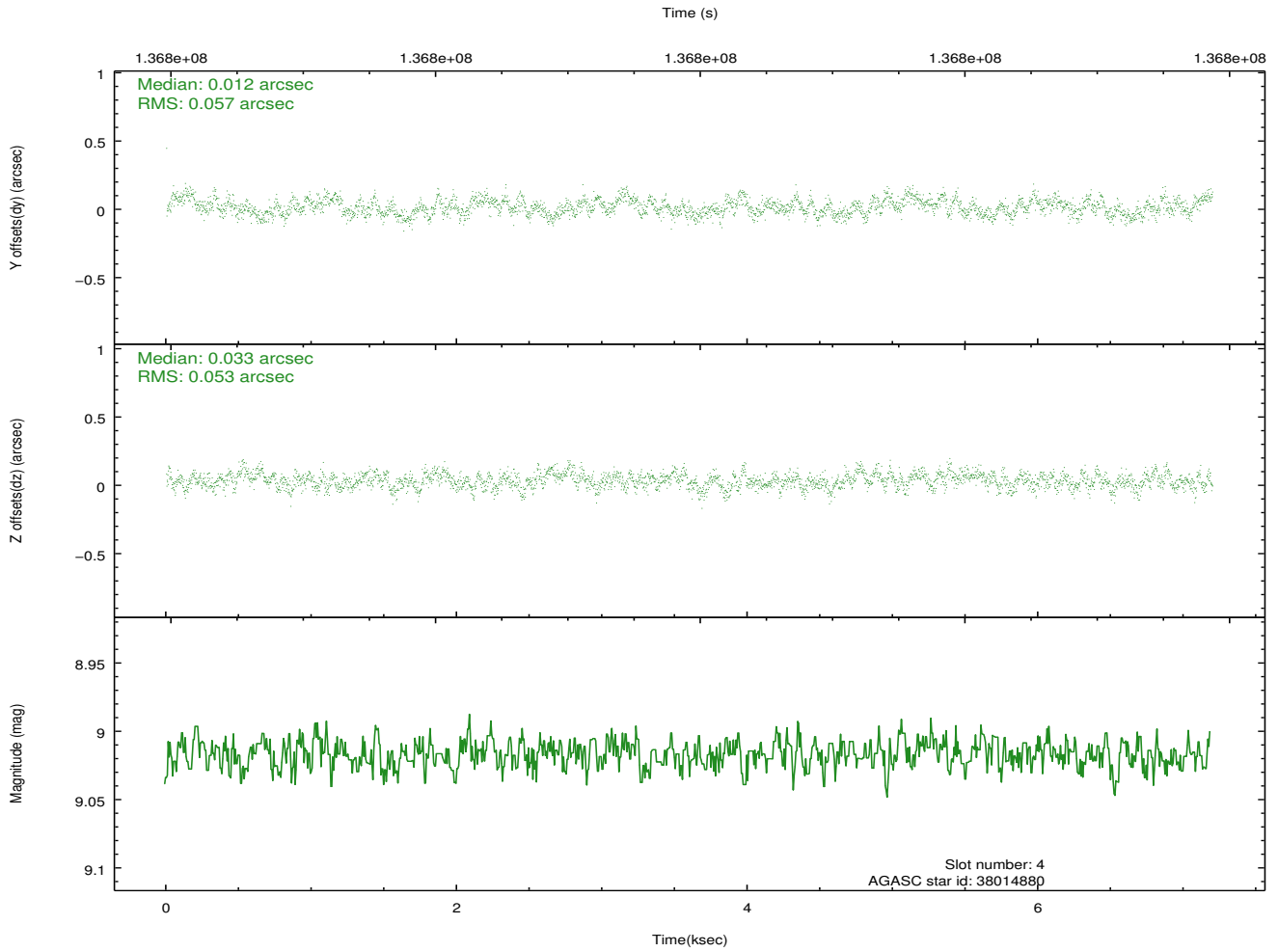
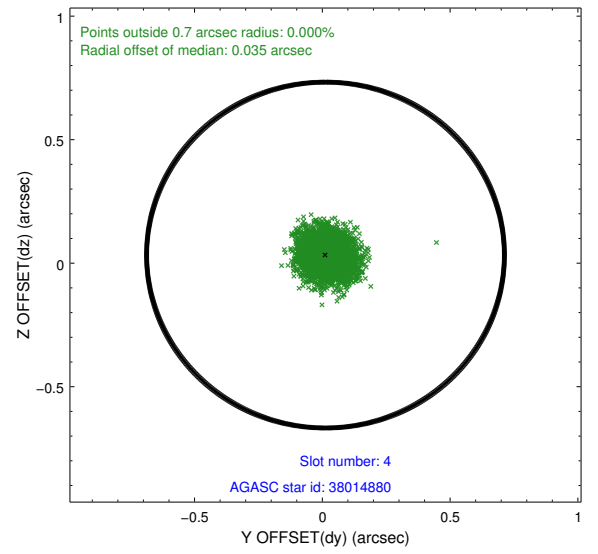
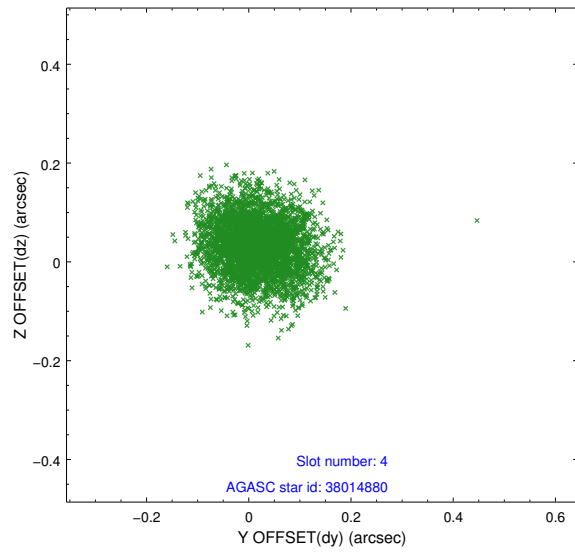
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1756	-0.009	-0.006	0.006	0.010	0.000000	0.000000	-755.51	-1727.68
1	FID	ACIS-S-4	7.20	1756	-0.015	0.002	0.006	0.010	0.000000	0.000000	2157.38	180.03
2	FID	ACIS-S-6	7.35	1755	-0.004	0.011	0.007	0.012	0.000000	0.000000	407.47	818.32
3	GUIDE	38013080	8.78	3508	-0.187	-0.037	0.089	0.138	191.266206	1.935531	-2183.22	-2156.09
4	GUIDE	38014880	9.02	3511	0.012	0.033	0.083	0.132	190.854086	1.148393	1007.13	-1934.73
5	GUIDE	38011440	9.13	3512	-0.026	-0.052	0.069	0.110	191.774365	1.480607	-1746.57	259.02
6	GUIDE	38014136	9.17	3512	0.111	0.059	0.086	0.139	191.330243	1.055857	392.95	-299.74
7	GUIDE	38011200	9.36	3510	0.088	0.005	0.161	0.240	190.877042	0.812711	1994.00	-1230.88

2.4 Star Slots

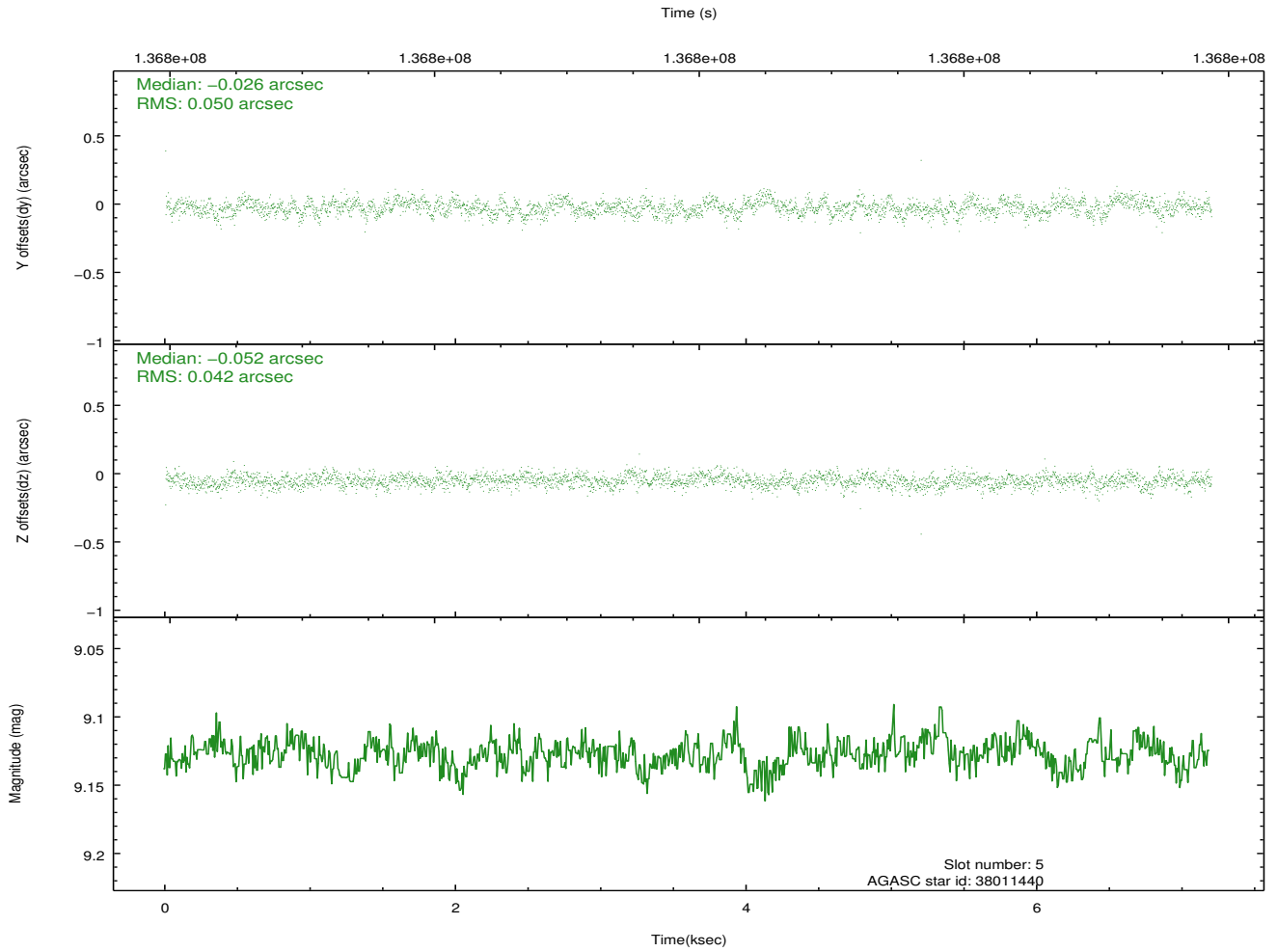
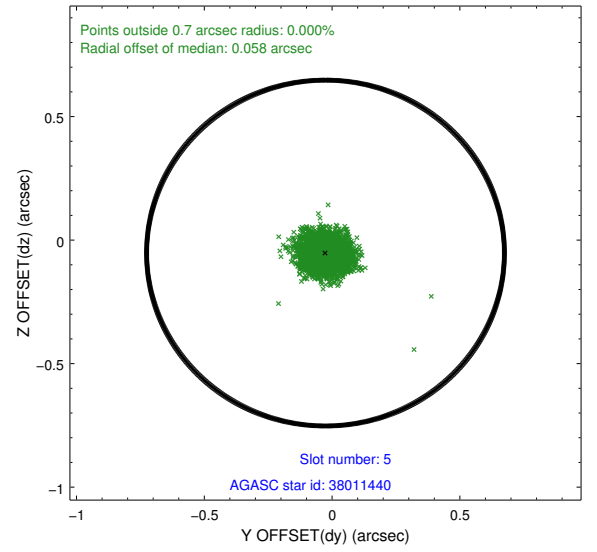
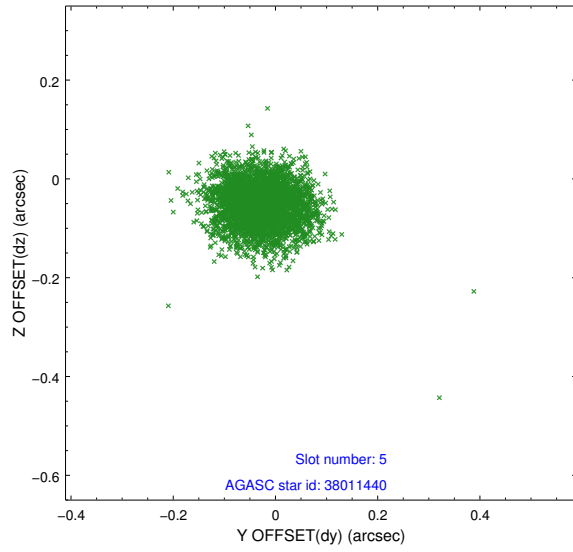
2.4.1 Slot 3



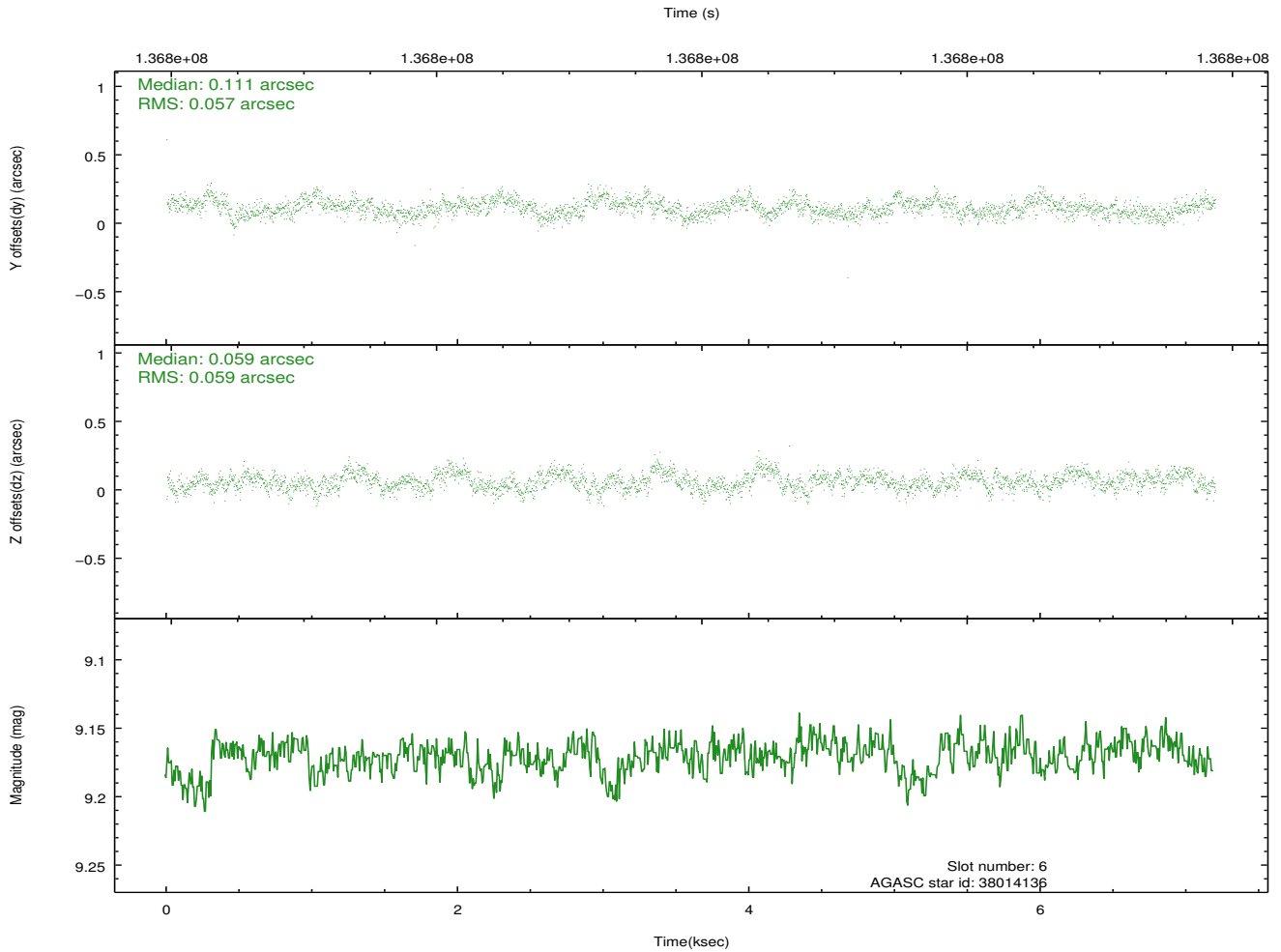
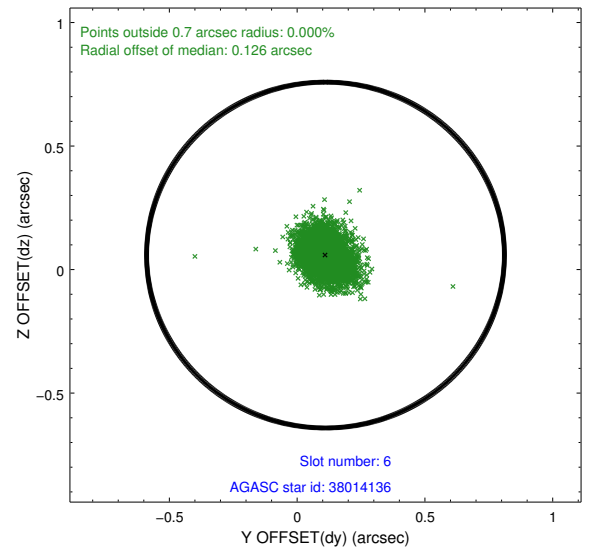
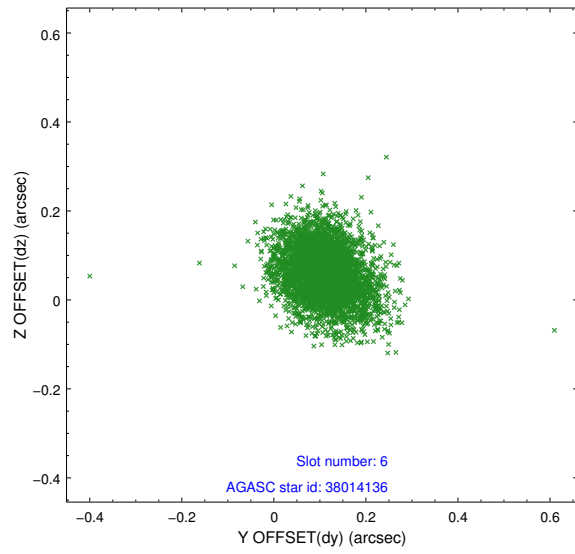
2.4.2 Slot 4



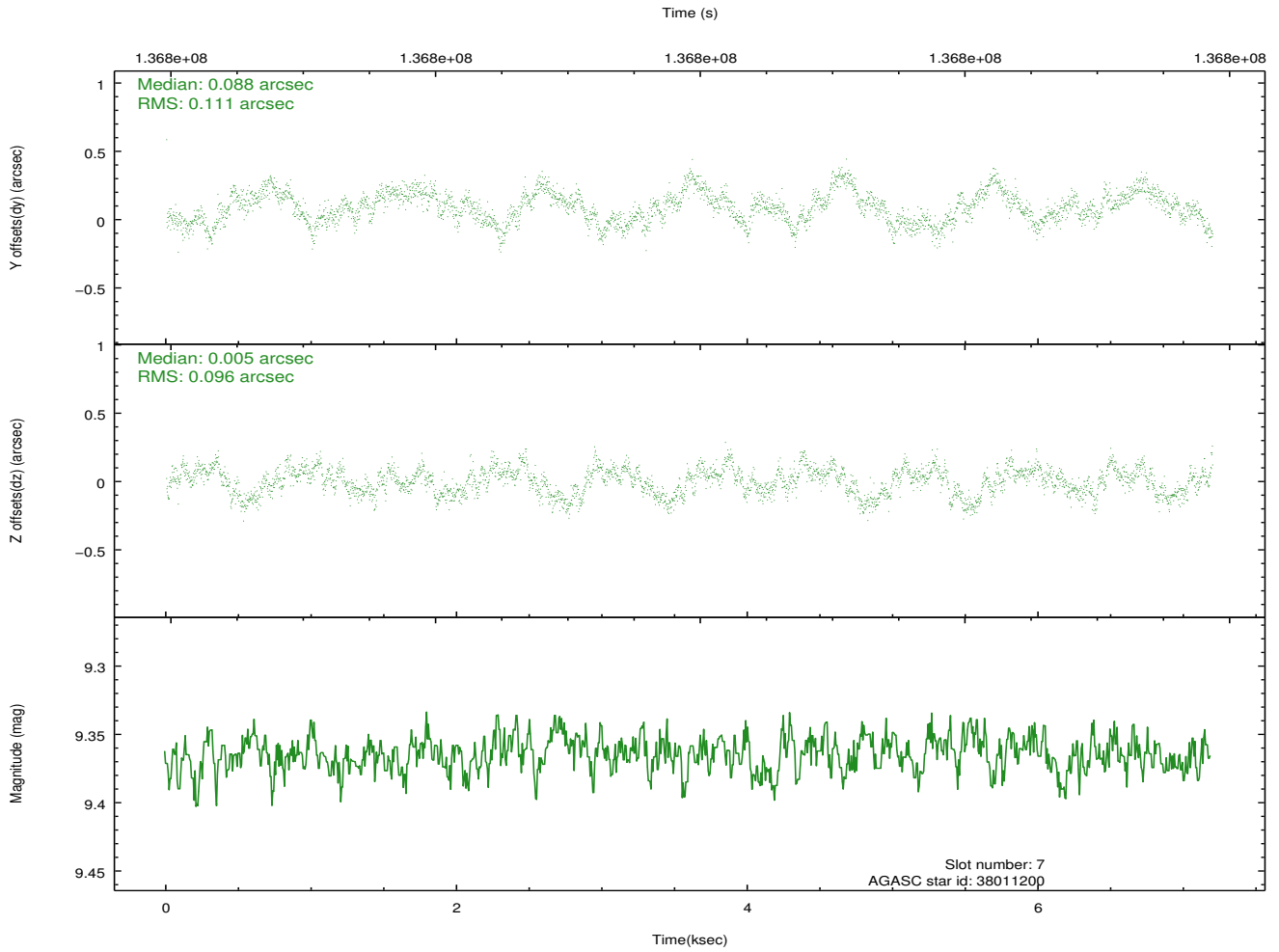
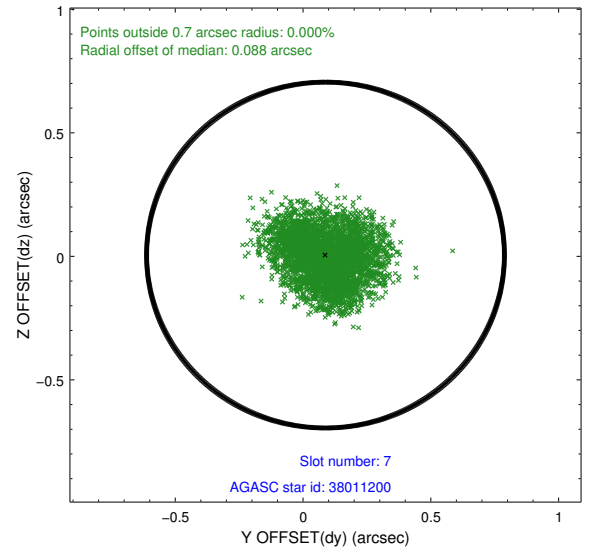
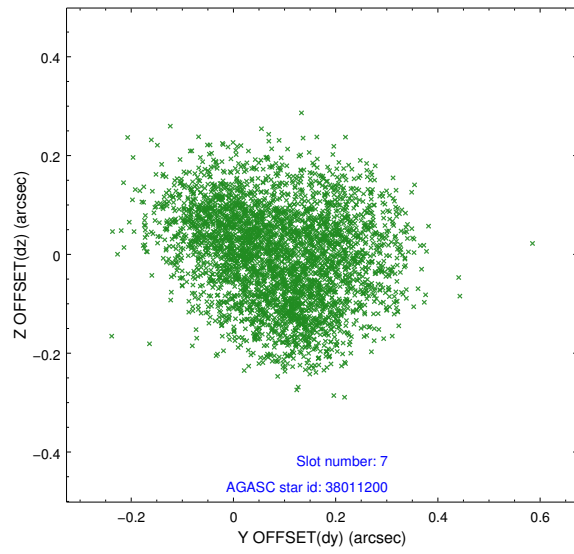
2.4.3 Slot 5



2.4.4 Slot 6

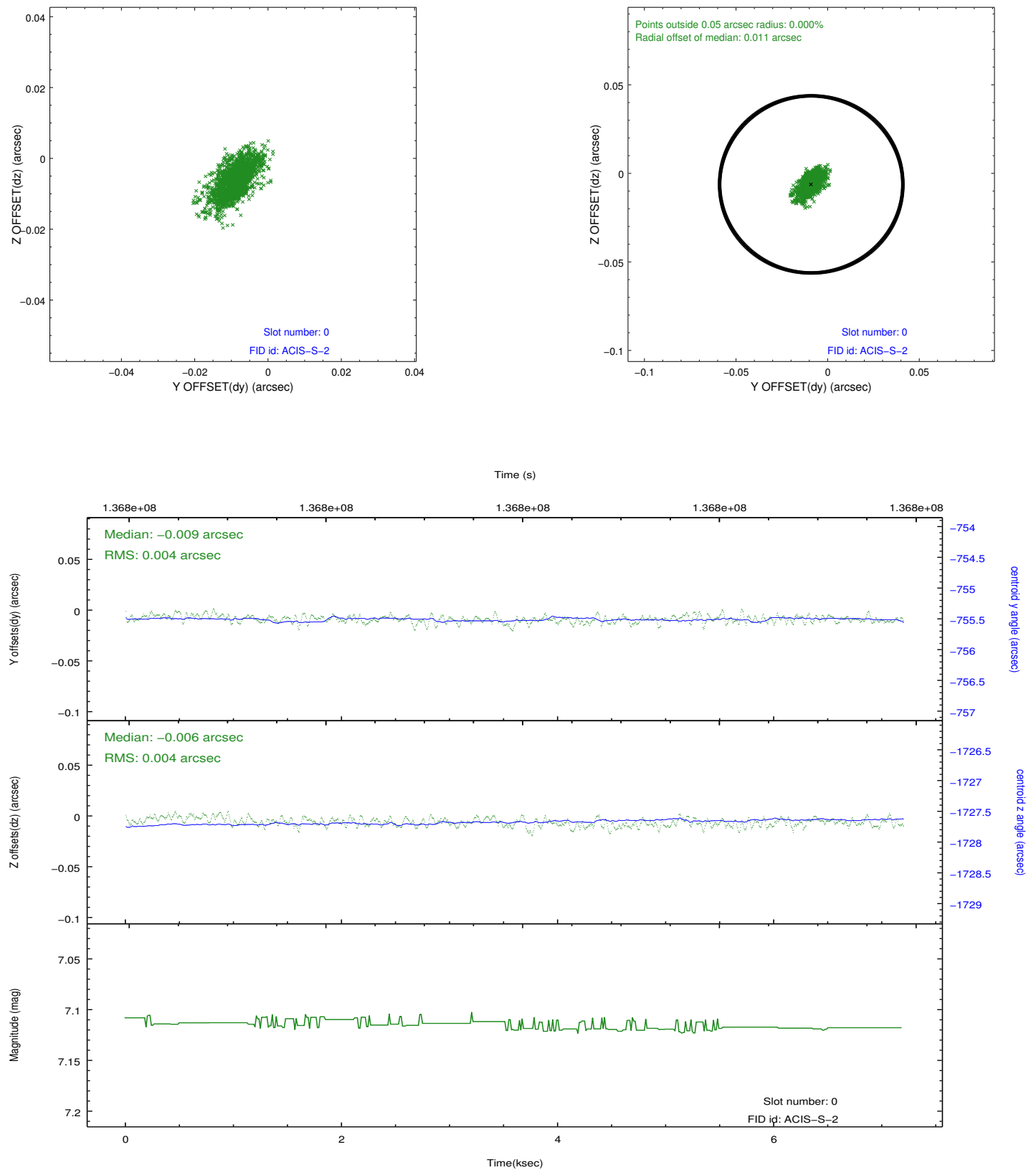


2.4.5 Slot 7

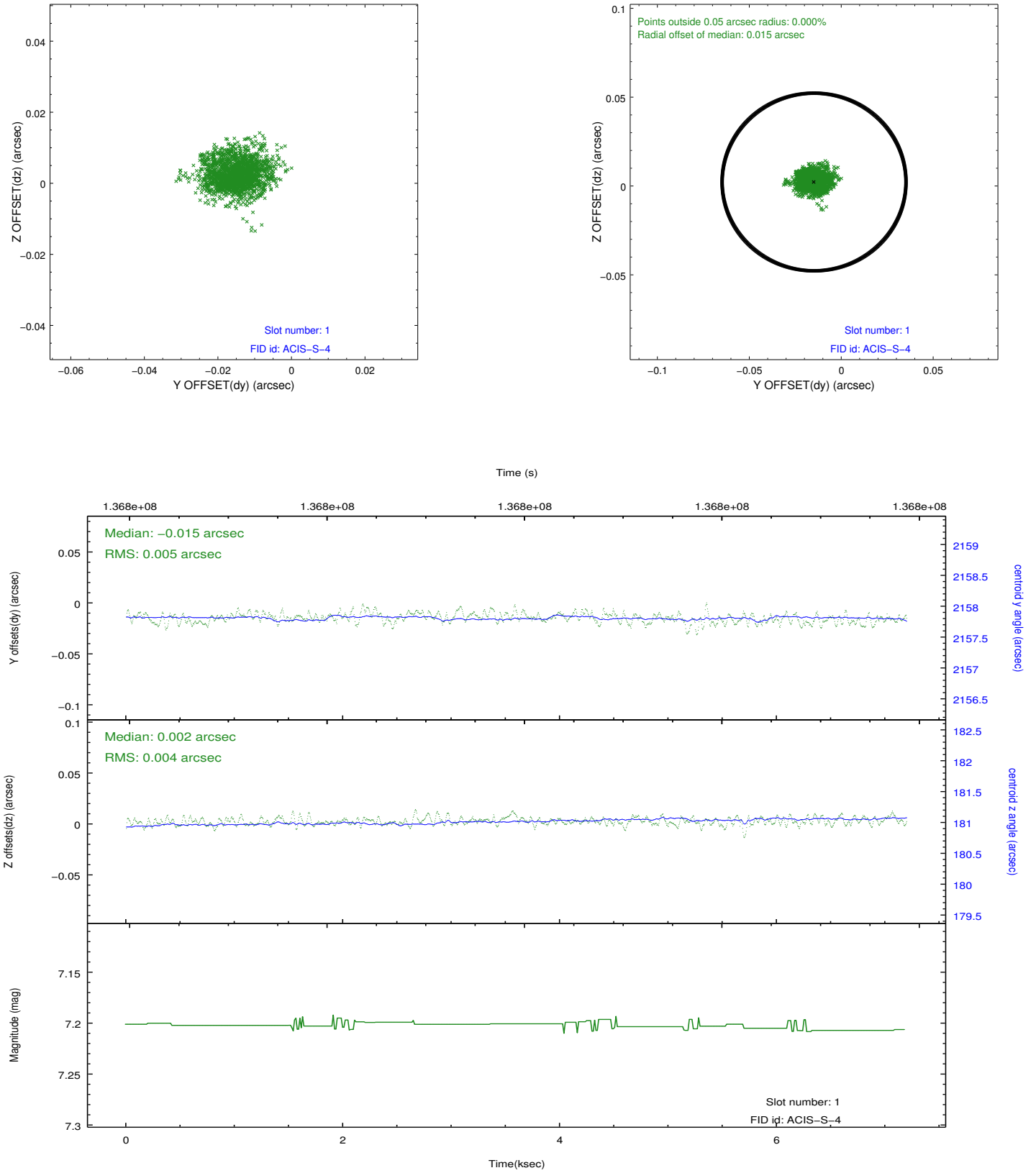


2.5 FID Slots

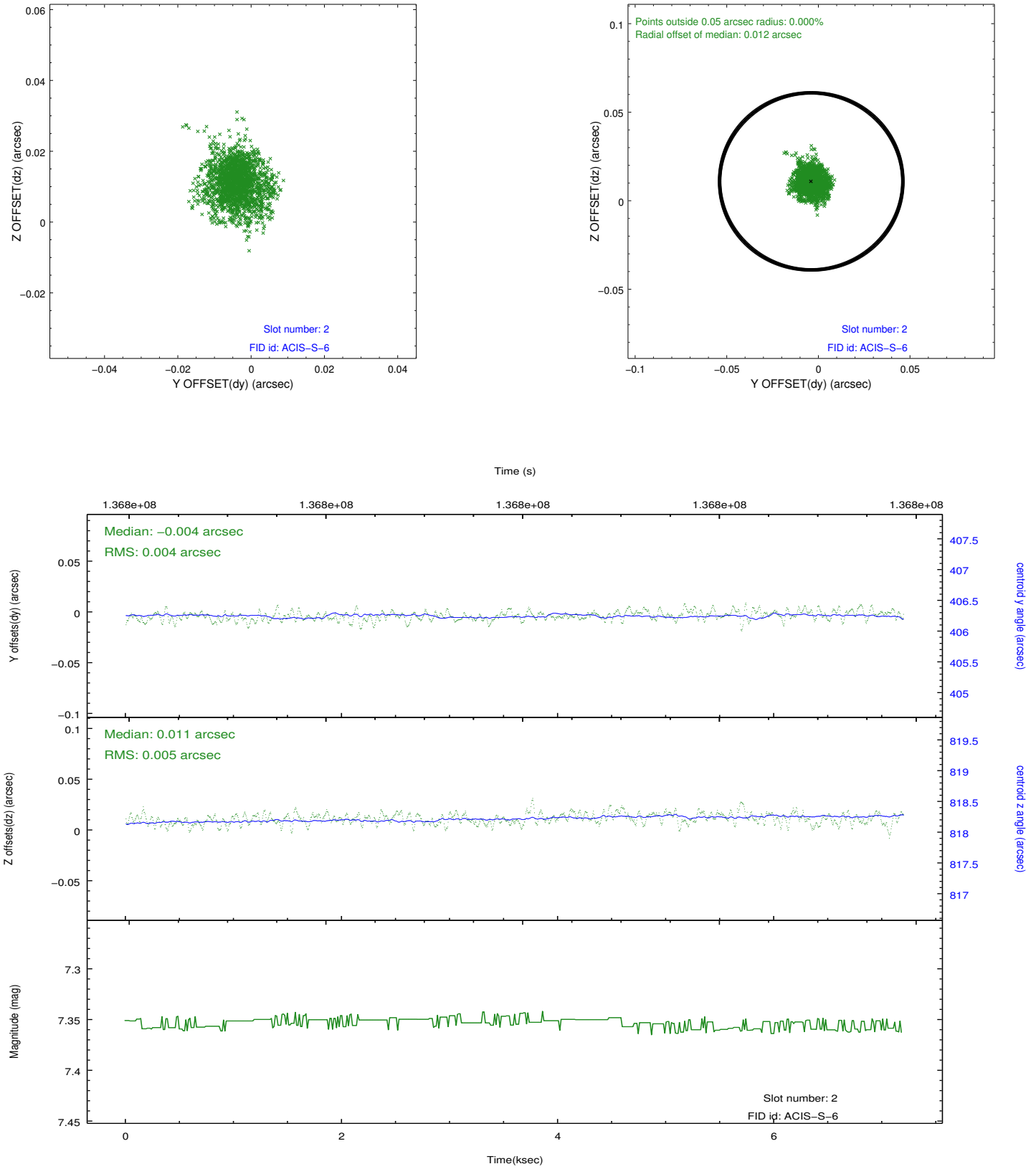
2.5.1 Slot 0



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)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.751

A.2 Comments