

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3053 - L2 Version 3
Chandra X-Ray Center

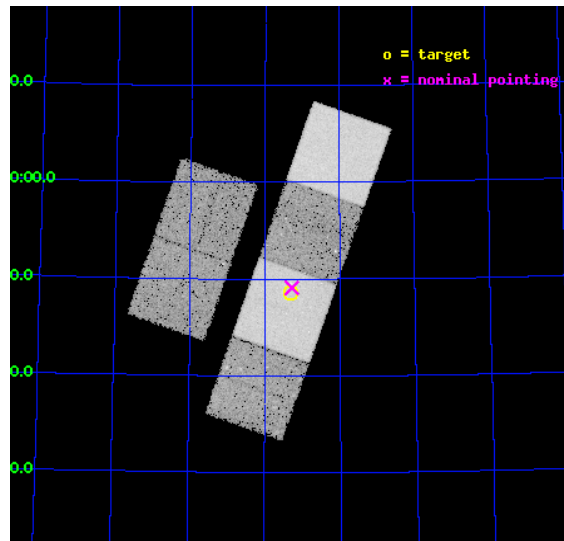
L2 Processing Date : Oct 17 2012

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1 Front

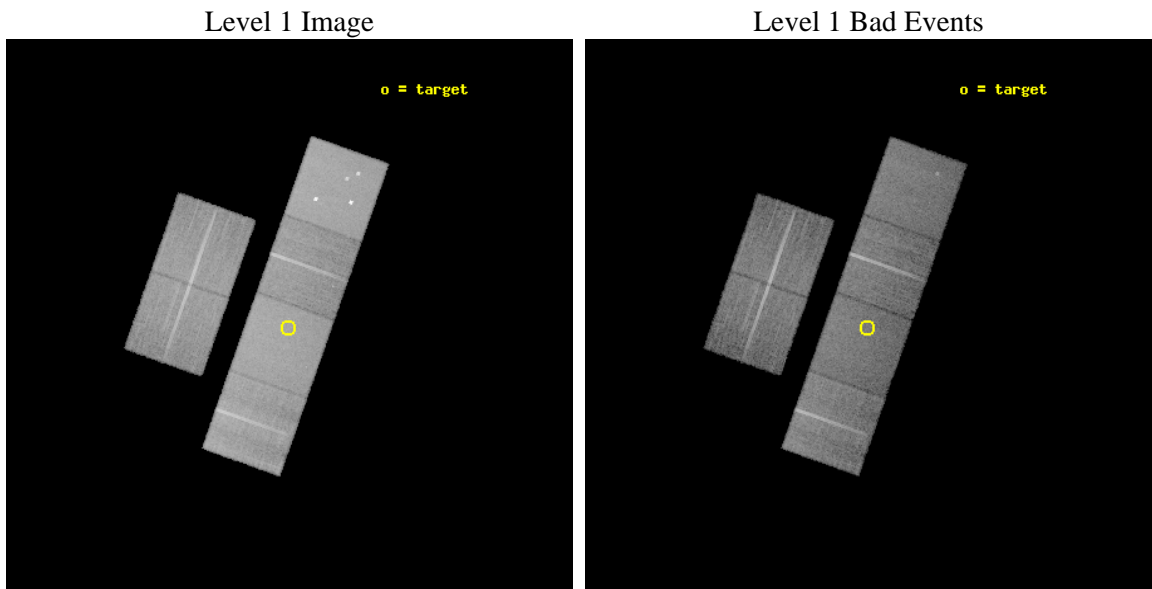
seq_num	700492	Sequence number
obs_id	3053	Observation id
title	THE DYNAMICS OF CLASSICAL DOUBLE RADIO SOURCES: TESTING SELF-SIMILAR MODELS	Proposal title
observer	Dr Martin Hardcastle	Principal investigator
object	3C173.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	107.325833	Observer's specified target RA [deg]
dec_targ	74.808833	Observer's specified target Dec [deg]
ra_nom	107.31989424657	Nominal RA [deg]
dec_nom	74.818398150252	Nominal Dec [deg]
roll_nom	109.4301170292	Nominal Roll [deg]
revision	3	Processing version of data
ontime	24303.999909461	Sum of GTIs [s]
livetime	23996.248028495	Livetime [s]
ontime2	24303.999909461	Sum of GTIs [s]
ontime3	24303.999909461	Sum of GTIs [s]
ontime5	24303.999909461	Sum of GTIs [s]
ontime6	24303.999909461	Sum of GTIs [s]
ontime7	24303.999909461	Sum of GTIs [s]
ontime8	24303.999909461	Sum of GTIs [s]
l2events	227375	Number of level 2 events



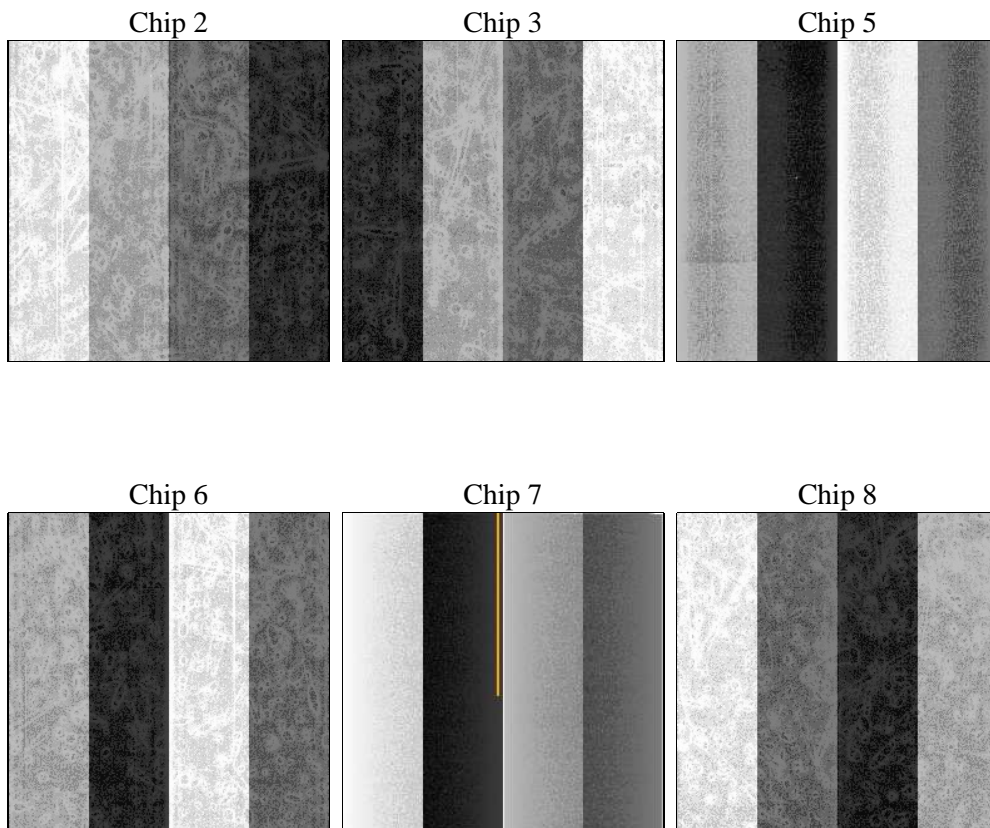
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	24303.999909461	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	24303.999909461	Sum of GTIs [s]
date	2012-10-17T11:15:10	Date and time of file creation	ontime3	24303.999909461	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	24303.999909461	Sum of GTIs [s]
			ontime6	24303.999909461	Sum of GTIs [s]
			ontime7	24303.999909461	Sum of GTIs [s]
			ontime8	24303.999909461	Sum of GTIs [s]
			l1events	1034342	Number of level 1 events

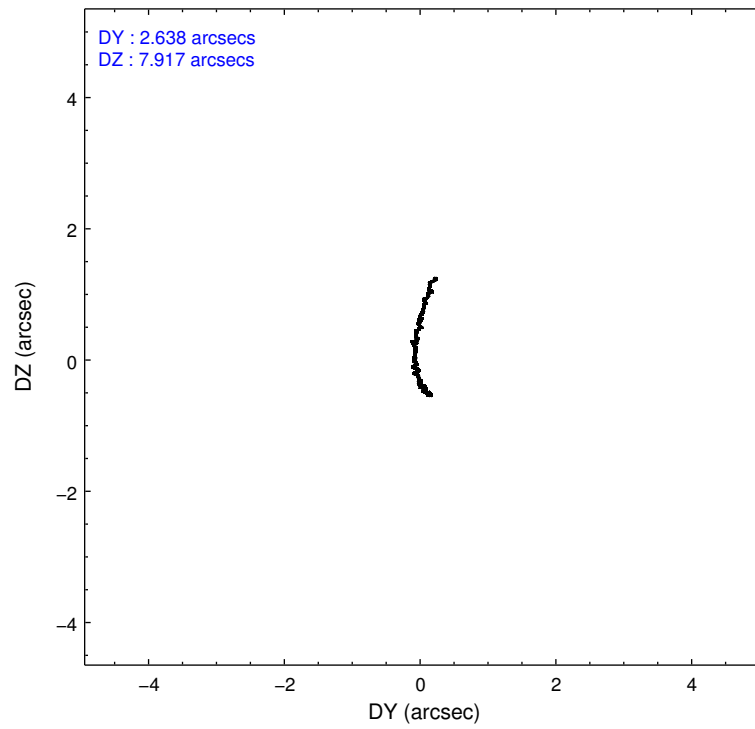
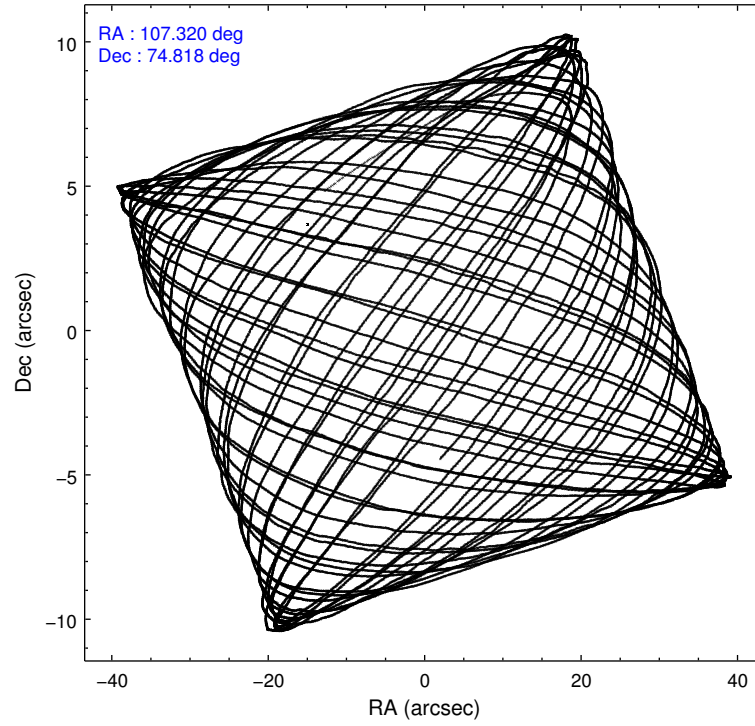
2.1.4 Events

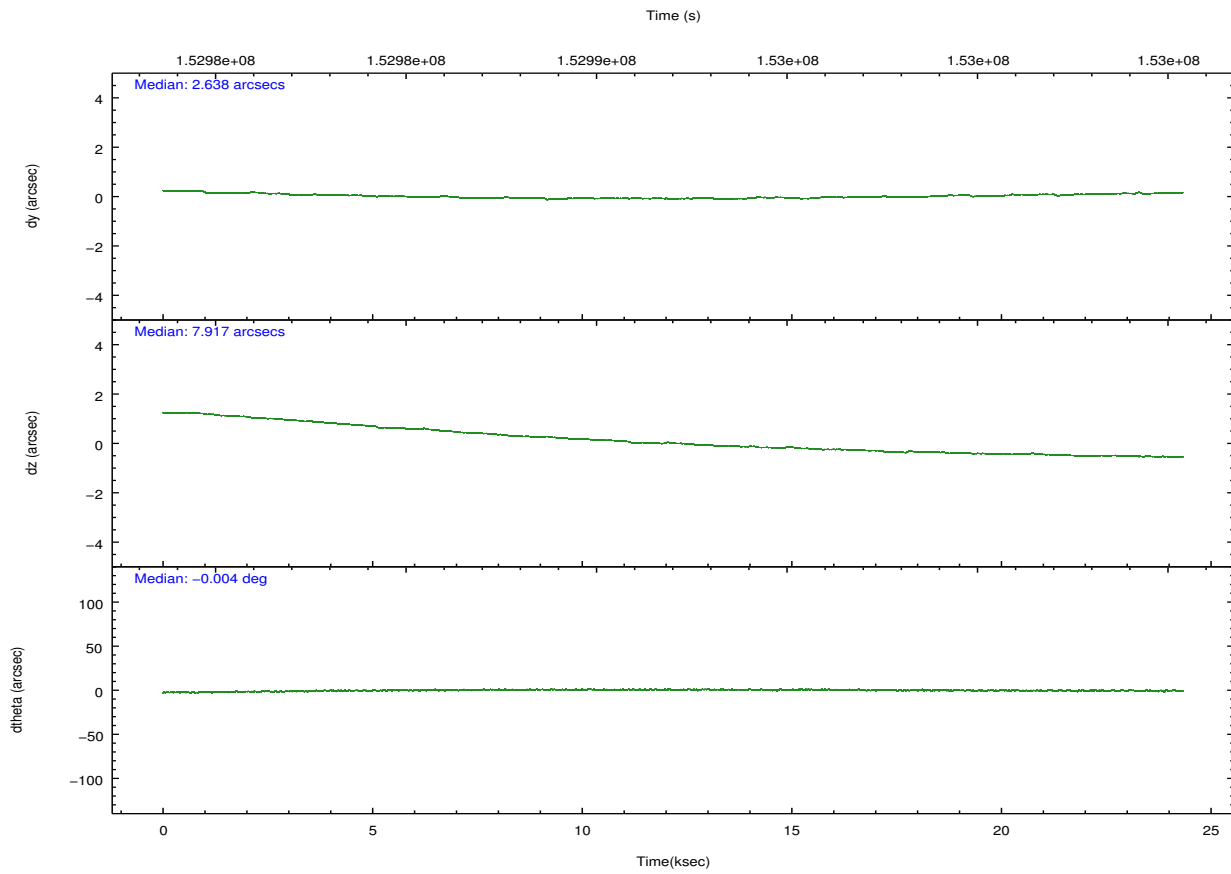
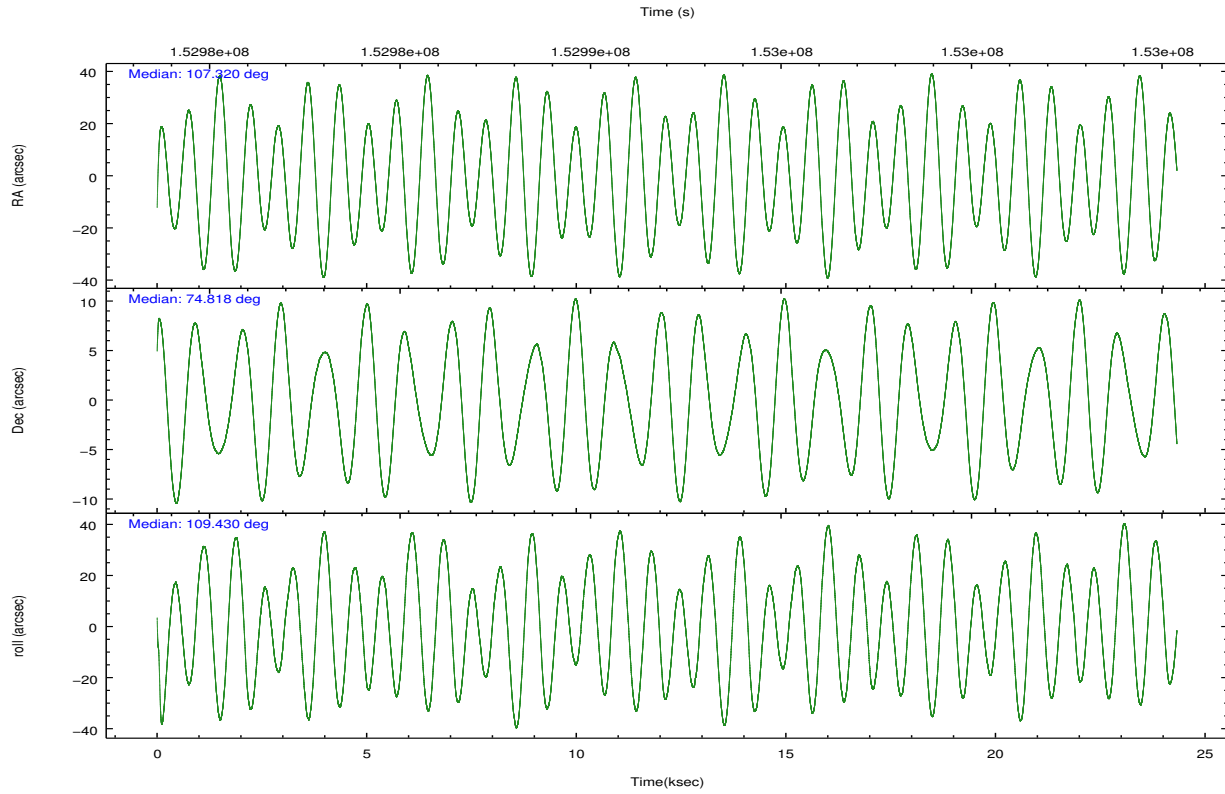
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	149155	138071	222889	142967	193456	187804	grade 0 events	7446	7145	20526	7122	7334	12694
rejected events	132441	121903	116551	125903	113619	148296		4%	5%	9%	4%	3%	6%
rejected %	88%	88%	52%	88%	58%	78%	grade 1 events	87	75	247	71	182	121
								0%	0%	0%	0%	0%	0%
							grade 2 events	3392	3127	28466	3412	15743	8424
								2%	2%	12%	2%	8%	4%
							grade 3 events	1632	1593	3974	1661	7251	4327
								1%	1%	1%	1%	3%	2%
							grade 4 events	1608	1664	3715	1592	7295	4190
								1%	1%	1%	1%	3%	2%
							grade 5 events	5483	6164	15930	6357	18680	8419
								3%	4%	7%	4%	9%	4%
							grade 6 events	2804	2773	50405	3393	42835	10136
								1%	2%	22%	2%	22%	5%
							grade 7 events	126703	115530	99626	119359	94136	139493
								84%	83%	44%	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	107.399645	107.3198942465685	Subarray requested	NONE	NONE
[deg] Pointing Dec	74.800949	74.81839815025212	Alternating exposures requested	N	N
[deg] Pointing Roll	109.196521	109.4301170291962	[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)	152979970.184000	152978939.6177			
Observation start date	2002-11-06T14:25:06	2002-11-06T14:08:59			
[s] Observation end time (MET)	153004170.184000	153005182.18129			
Observation end date	2002-11-06T21:08:26	2002-11-06T21:26:22			
Read mode	TIMED	TIMED			

2.3 Aspect





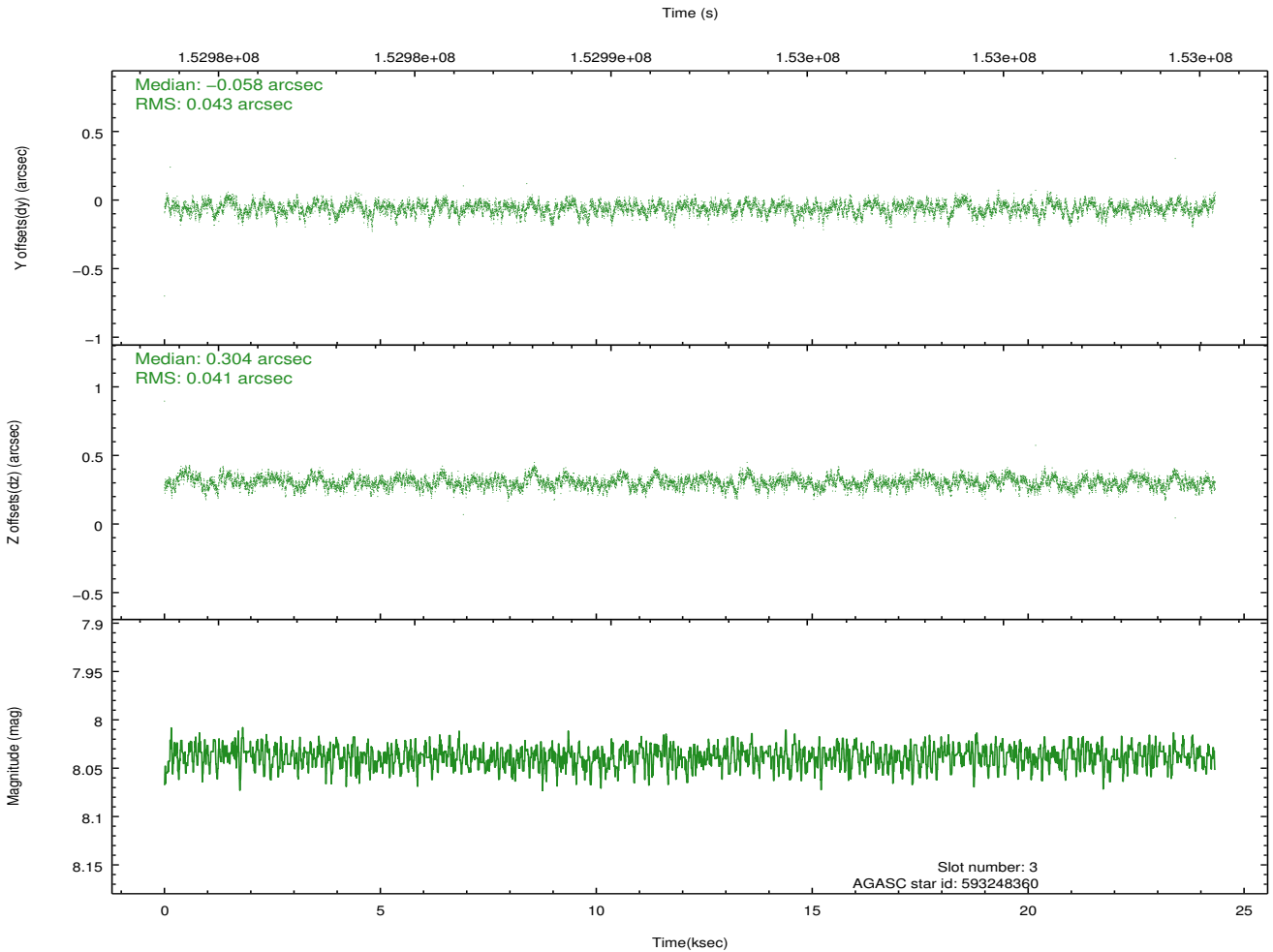
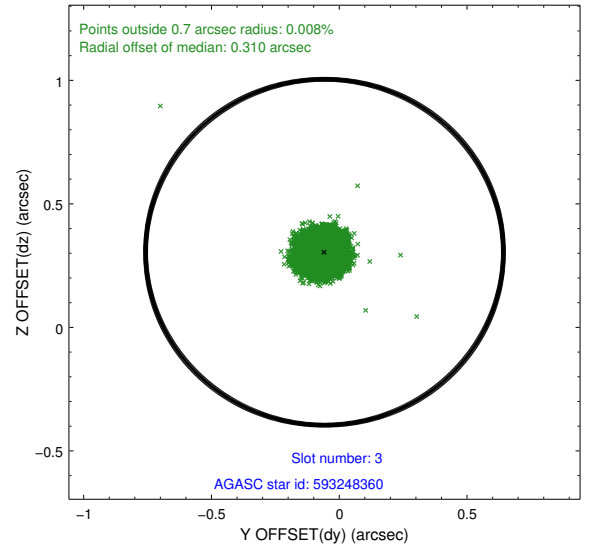
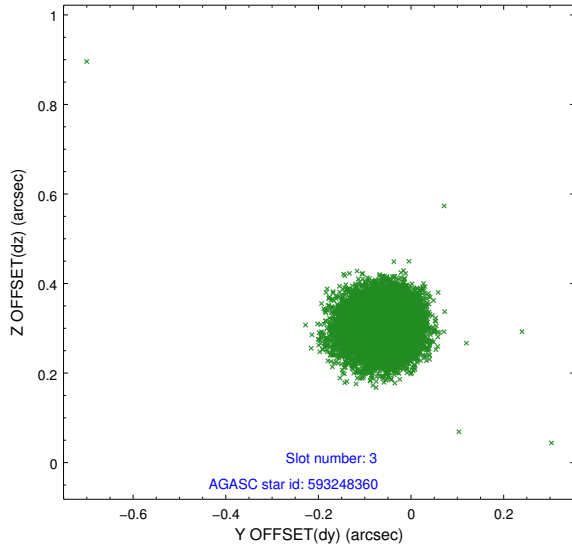
Slot Statistics

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	5933	-0.011	0.001	0.009	0.015	0.000000	0.000000	-755.31	-1729.19
1	FID	ACIS-S-4	7.21	5933	-0.022	0.005	0.009	0.026	0.000000	0.000000	2157.91	179.15
2	FID	ACIS-S-5	7.24	5934	0.002	0.002	0.008	0.015	0.000000	0.000000	-1807.97	172.98
3	GUIDE	593248360	8.04	11868	-0.058	0.304	0.063	0.101	104.612136	75.198165	2250.24	1931.11
4	GUIDE	593249304	9.57	11861	-0.010	0.259	0.126	0.203	106.454717	75.057148	1166.35	523.59
5	GUIDE	572918432	9.65	11859	0.145	-0.132	0.124	0.191	105.644590	74.143754	-1642.40	2400.01
6	GUIDE	572916896	9.52	11861	0.301	0.085	0.092	0.152	107.440877	74.111237	-2357.95	778.76
7	BAD	573051032	9.99	11301	-0.401	-0.544	0.209	0.345	110.031932	74.826943	-674.52	-2389.34

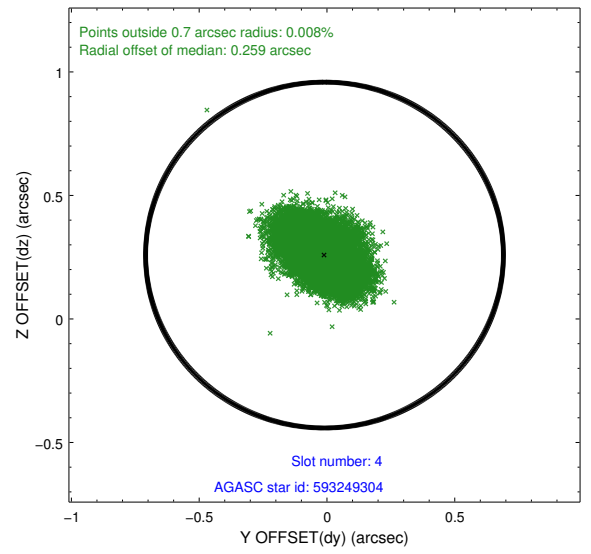
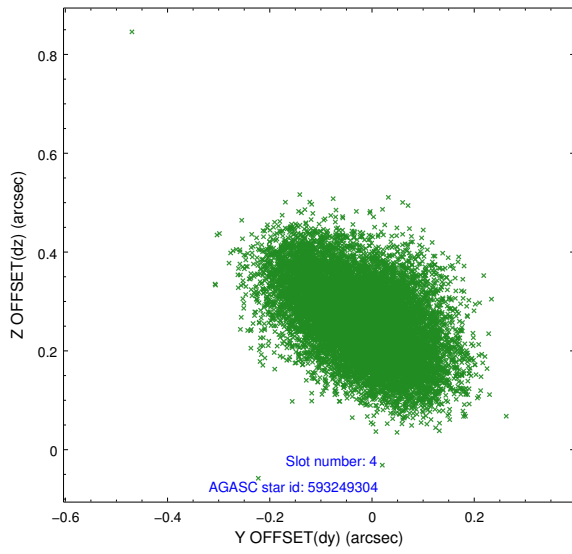
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2.4 Star Slots

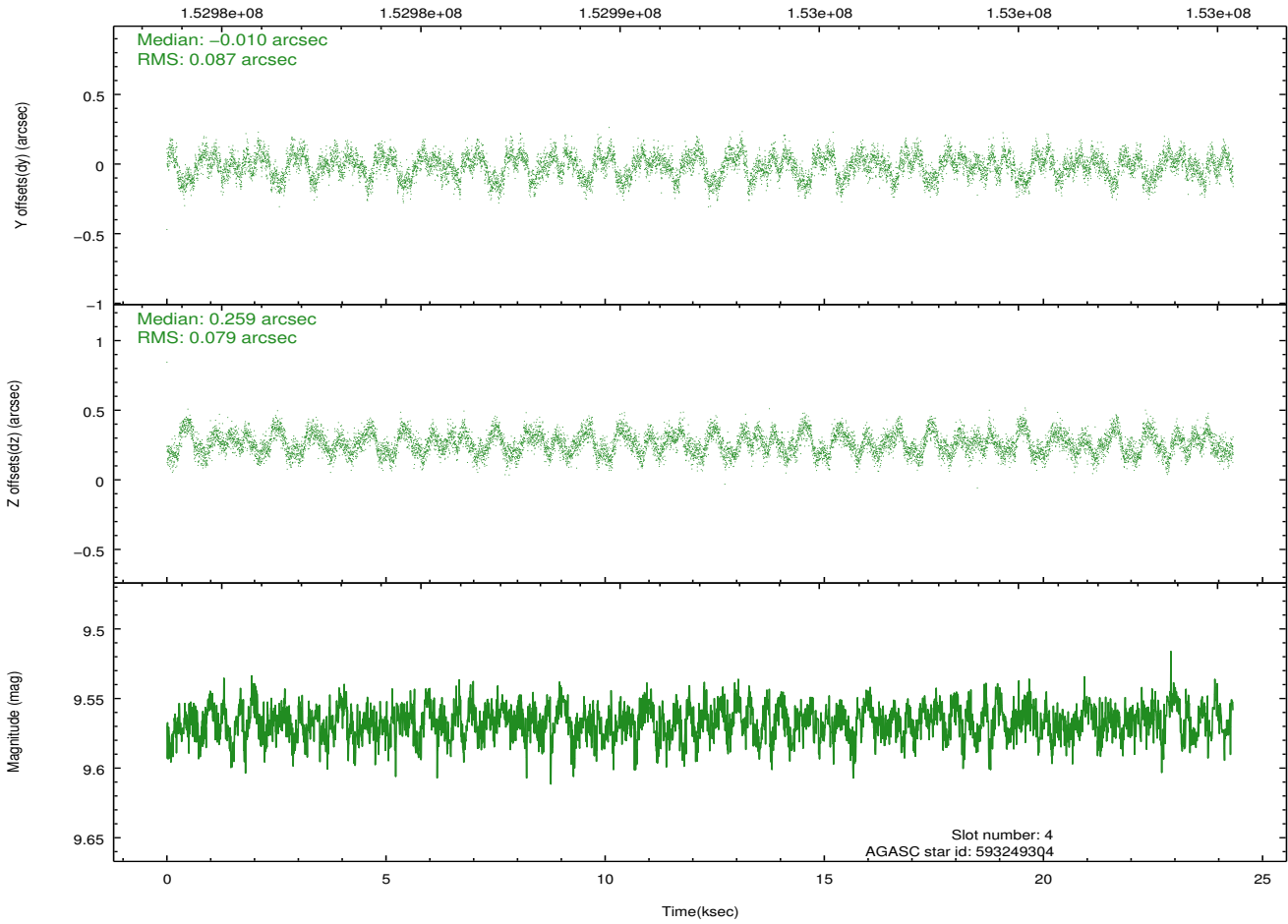
2.4.1 Slot 3



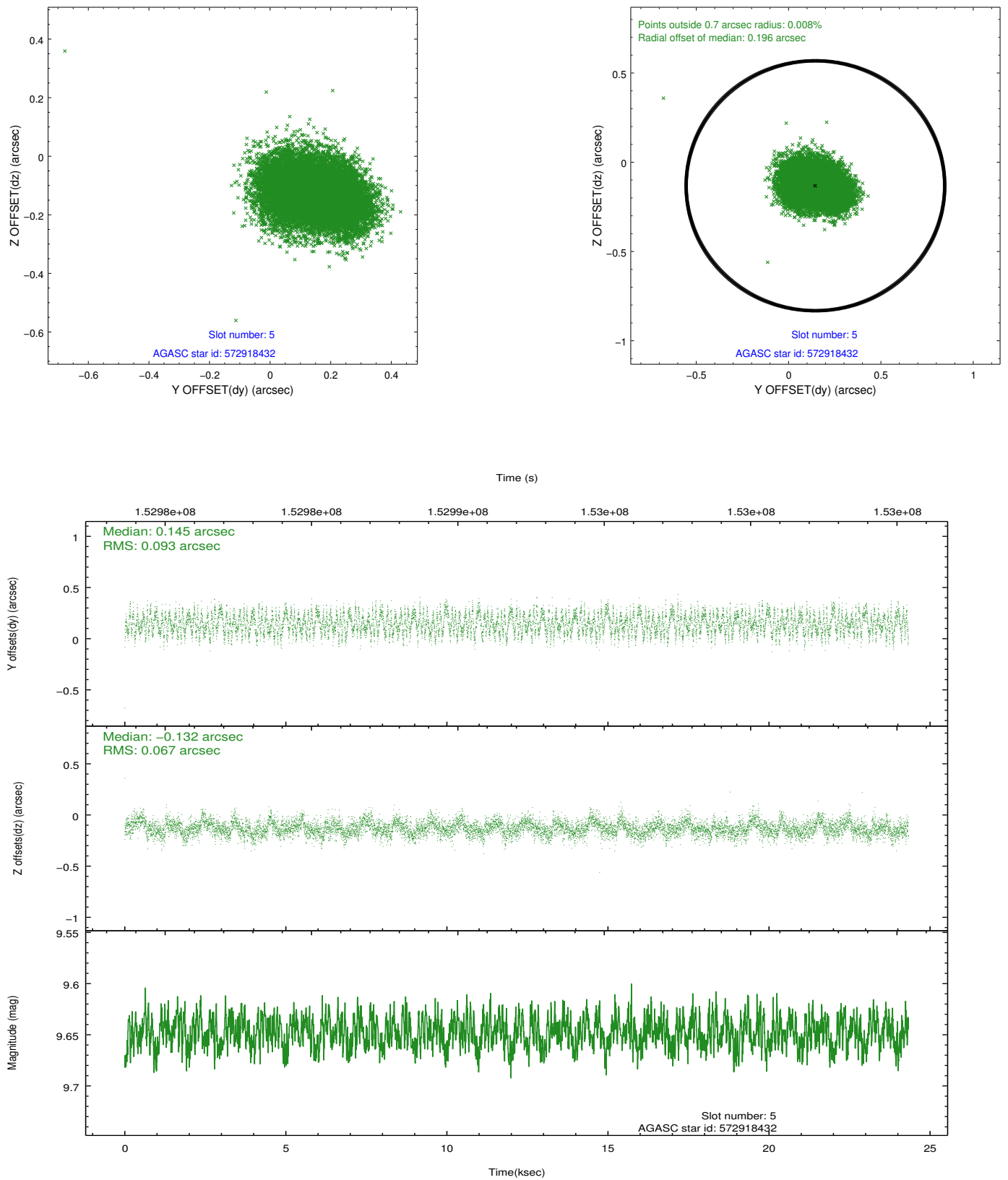
2.4.2 Slot 4



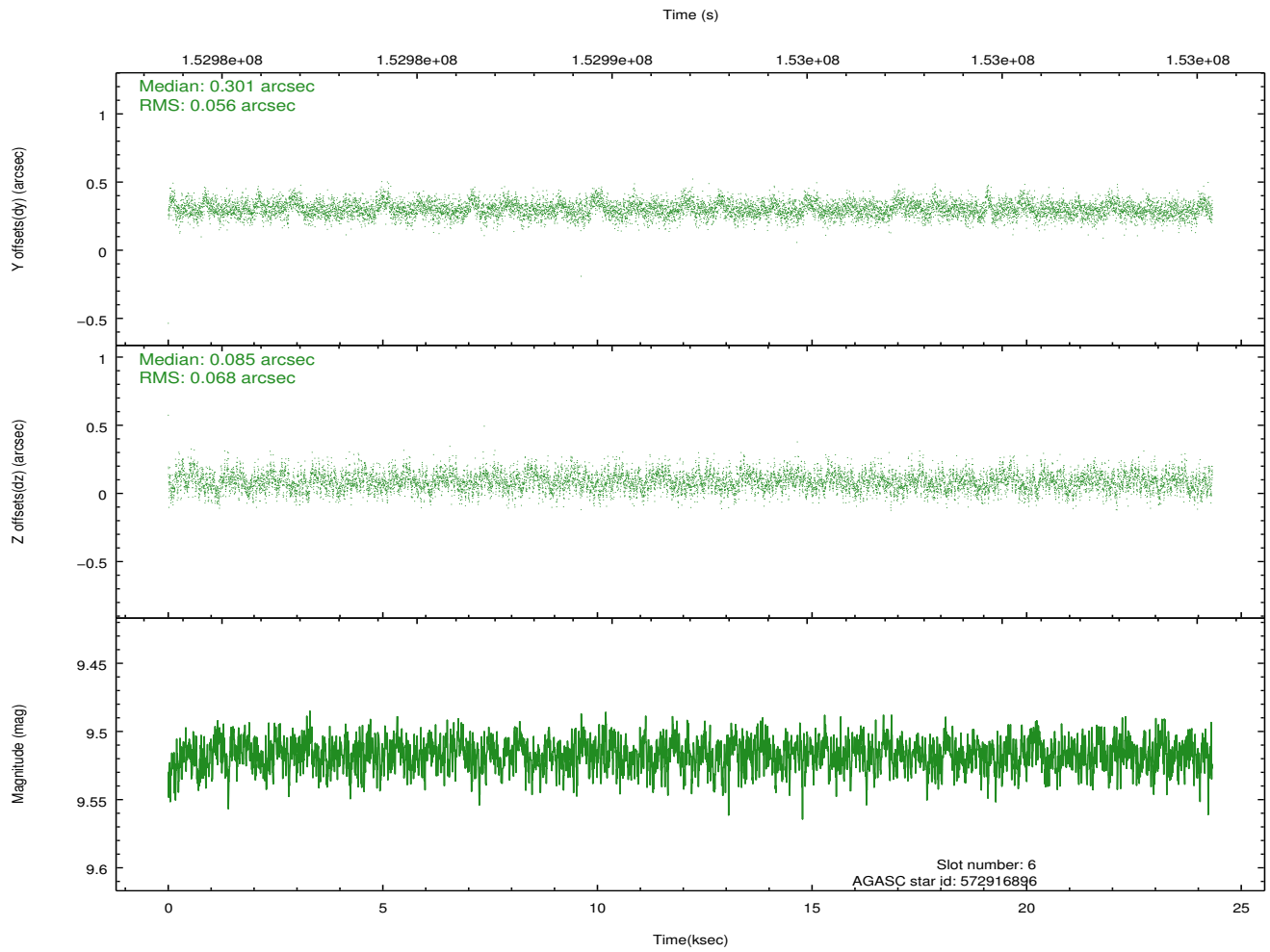
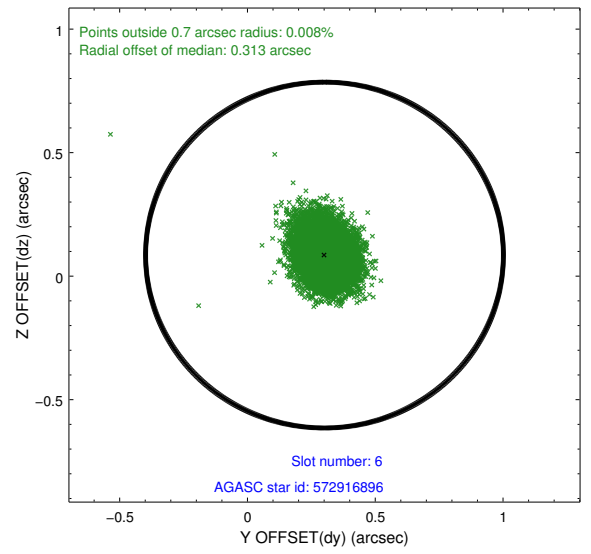
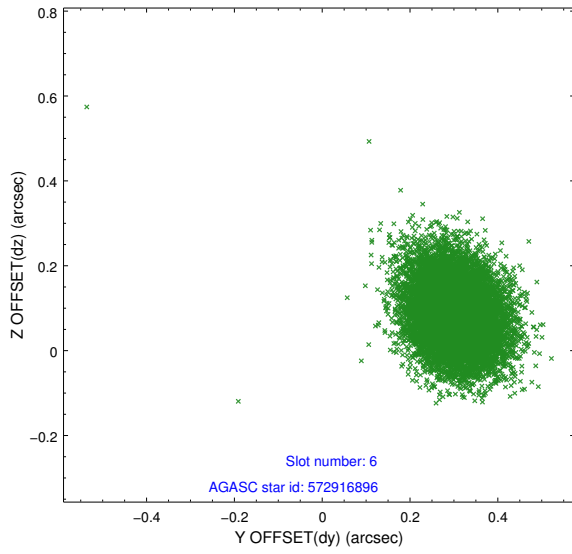
Time (s)



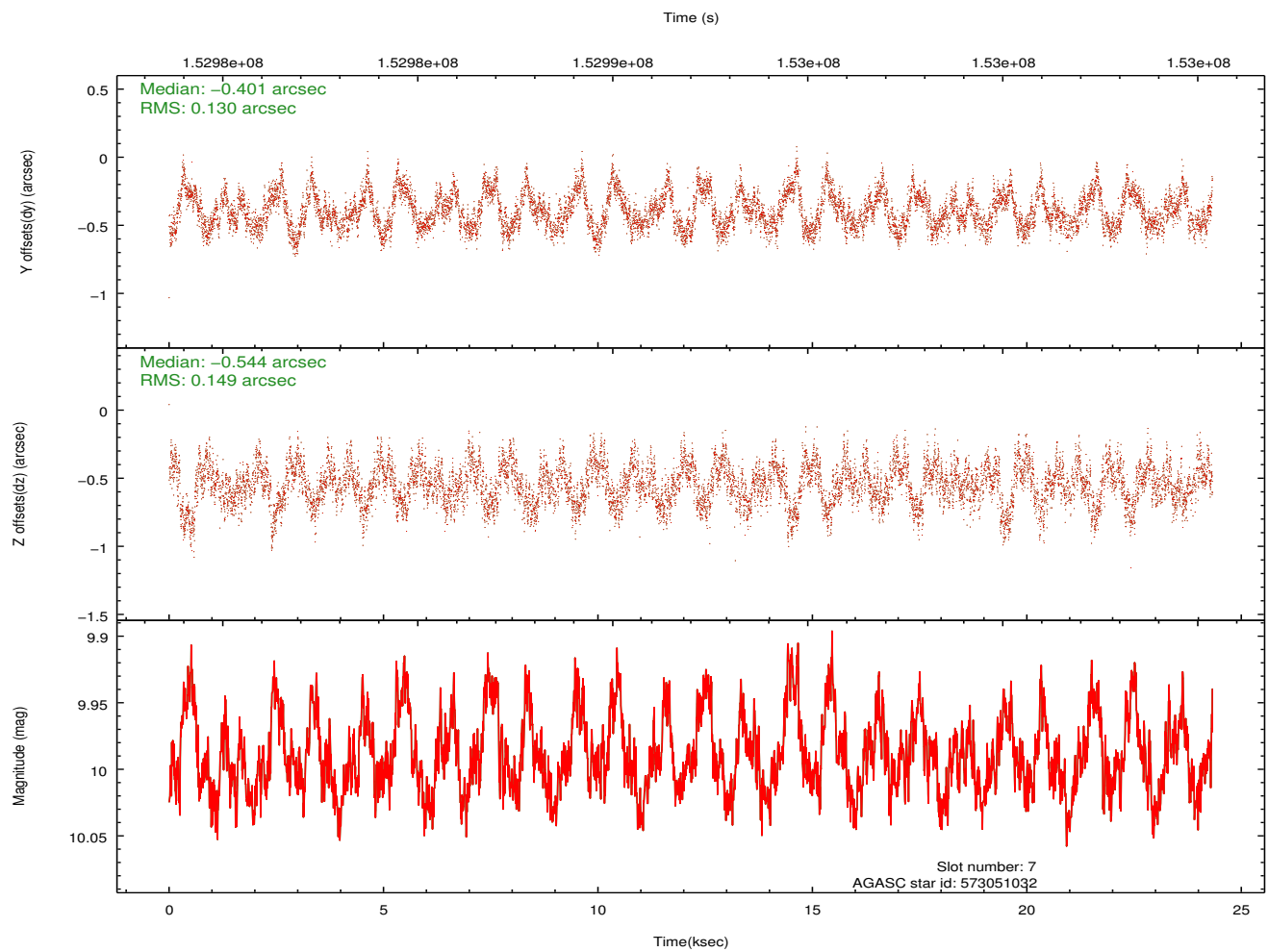
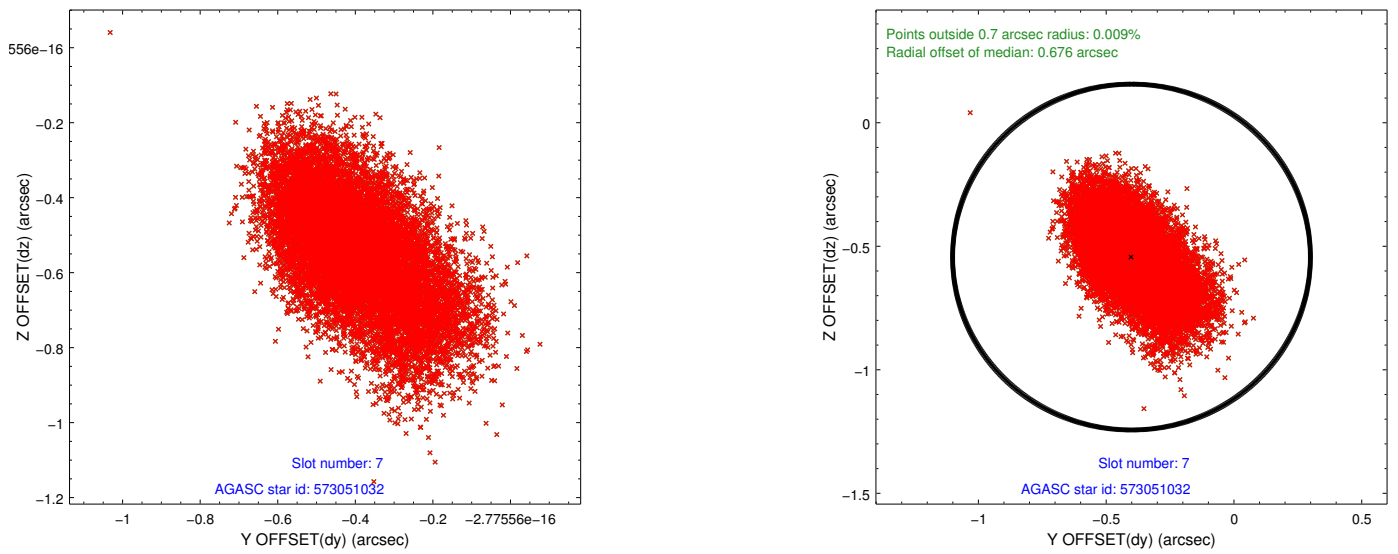
2.4.3 Slot 5



2.4.4 Slot 6

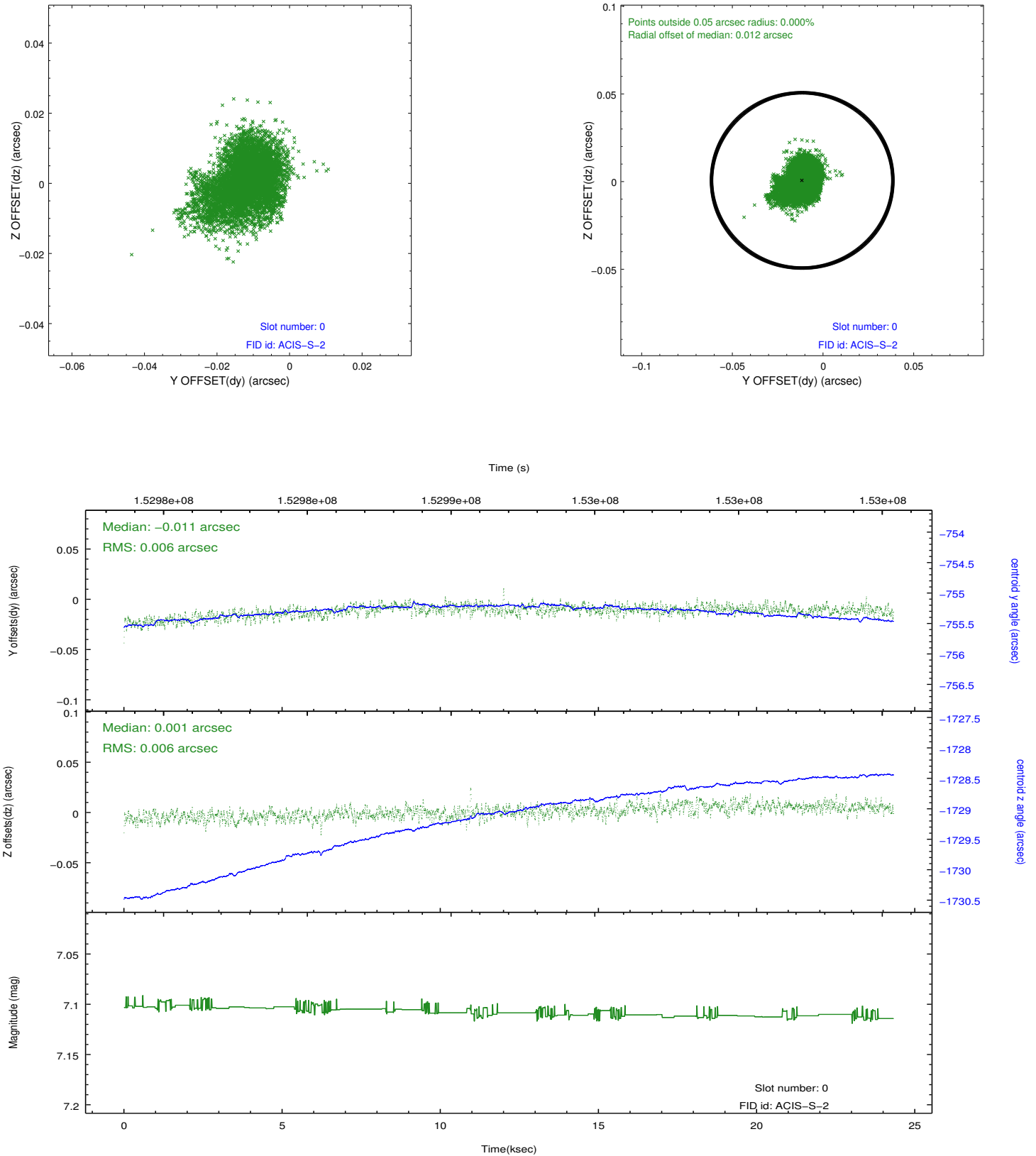


2.4.5 Slot 7

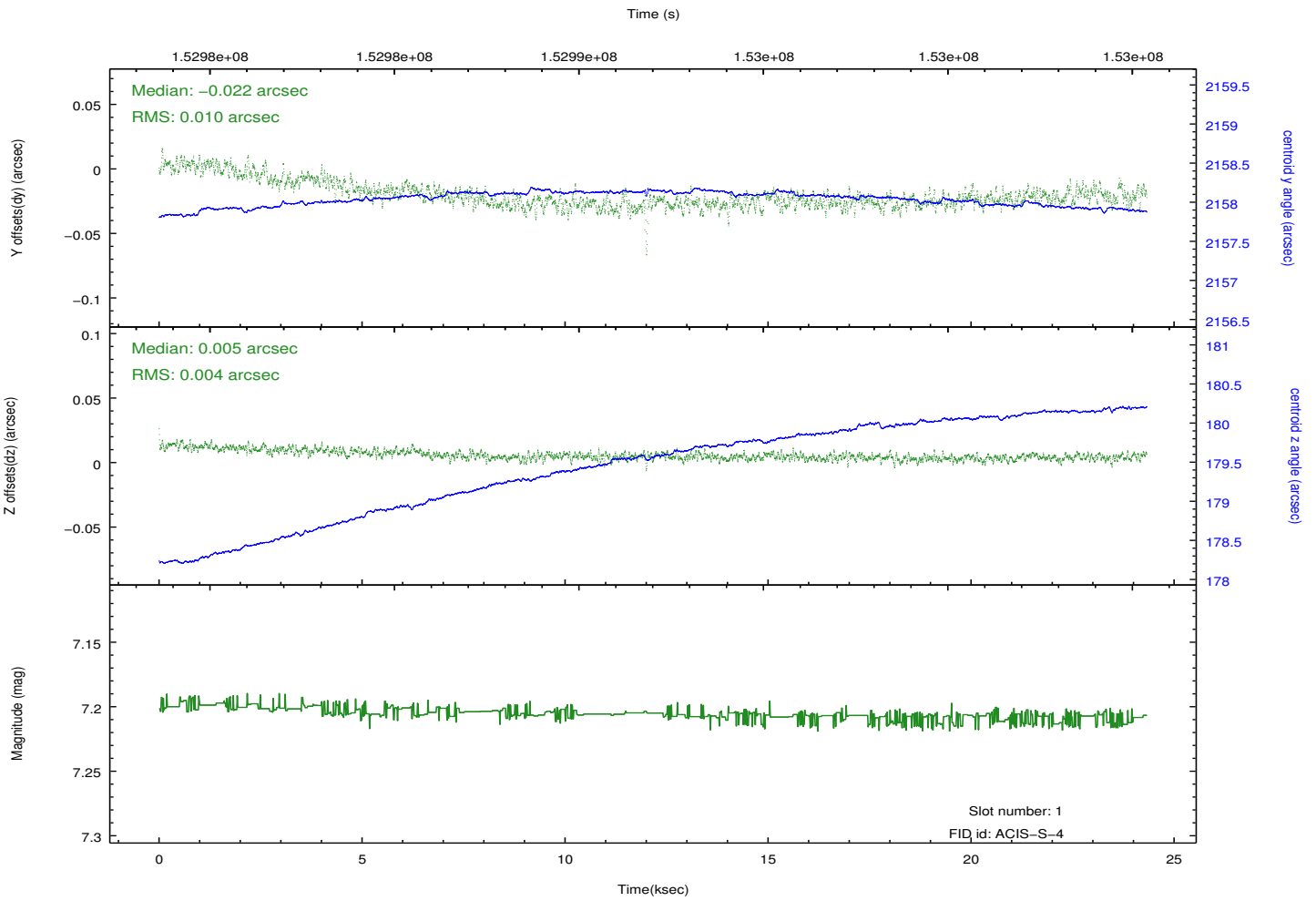
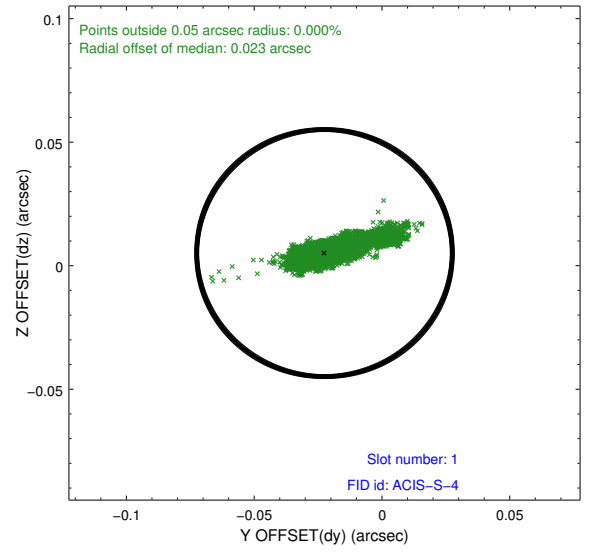
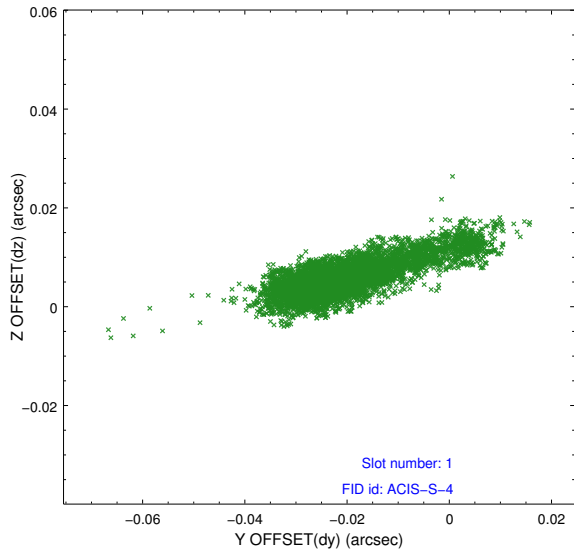


2.5 FID Slots

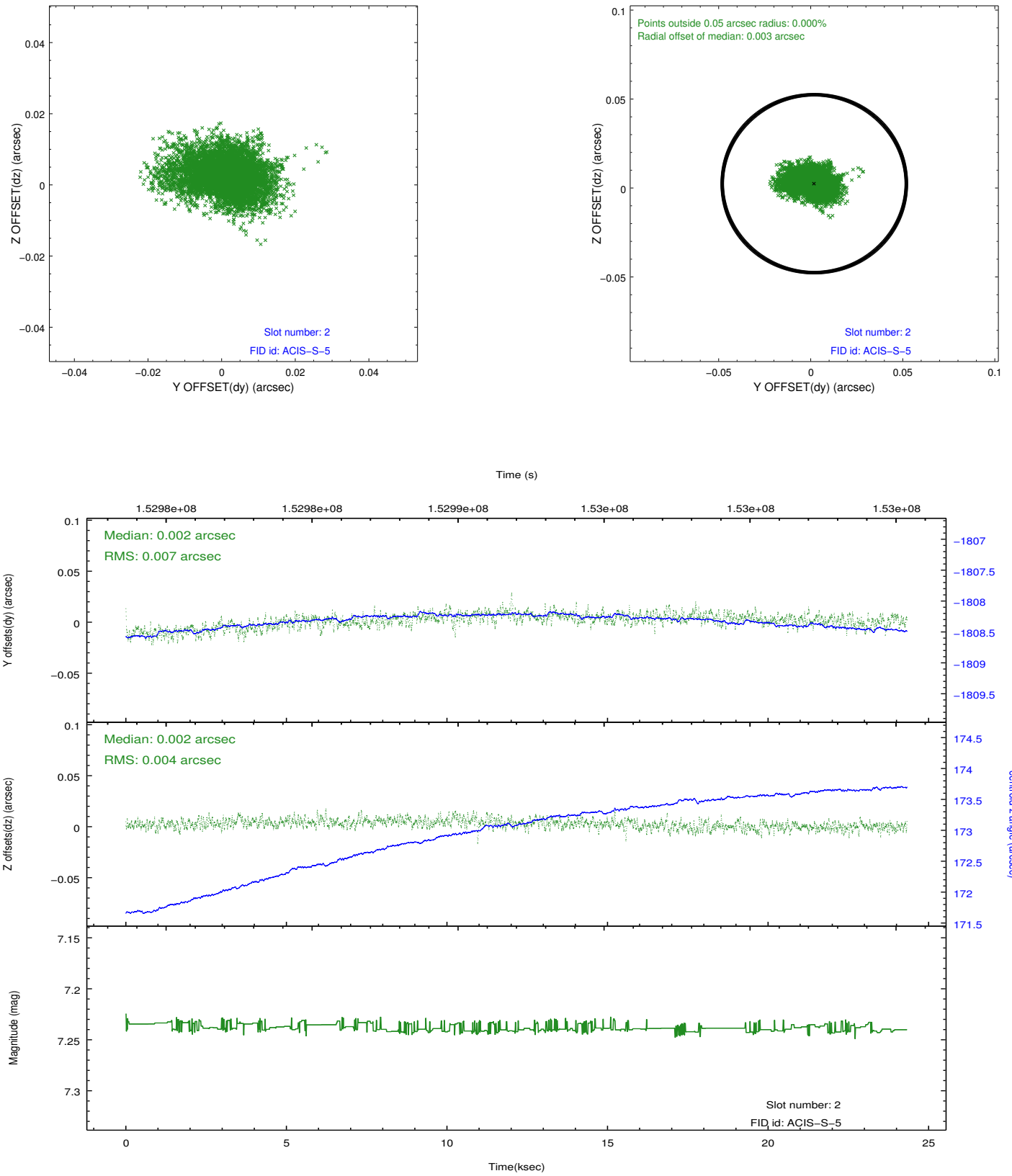
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.307

A.2 Comments