

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6725 - L2 Version 2
Chandra X-Ray Center

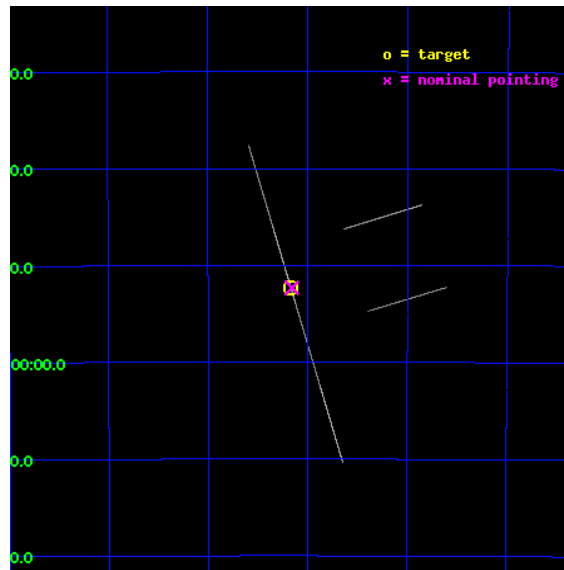
L2 Processing Date : Apr 10 2012

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1 Front

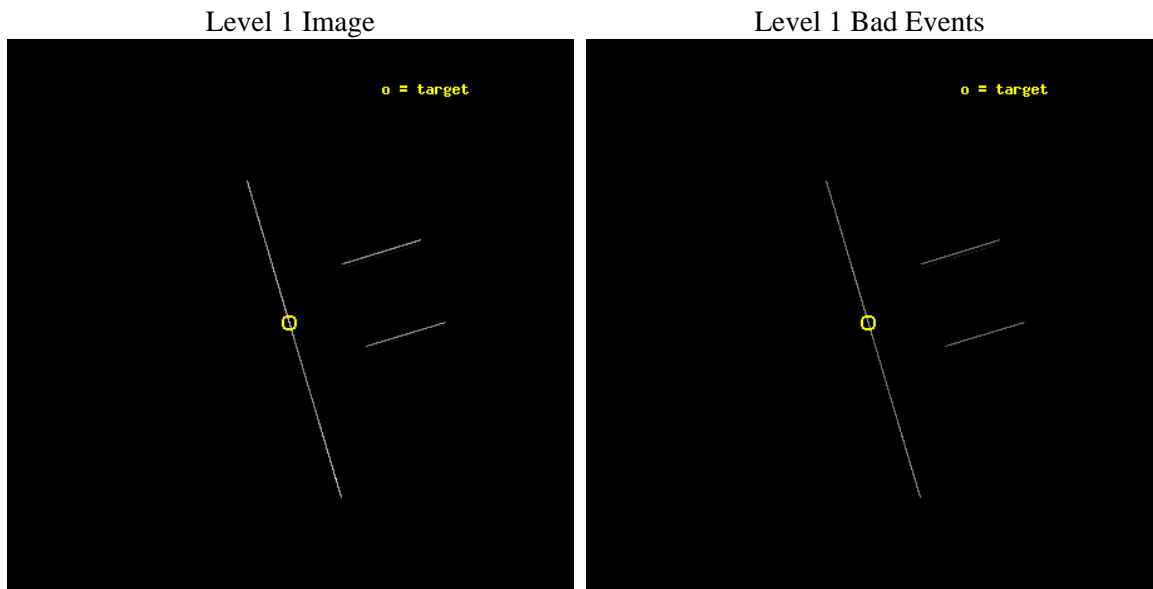
seq_num	500672	Sequence number
obs_id	6725	Observation id
title	TINY HICCUPS TO TITANIC EXPLOSIONS: Tackling Transients in Anomalous X-ray Pulsars	Proposal title
observer	Professor Victoria Kaspi	Principal investigator
object	CXO J164710.2-455216	Source name
ra_targ	251.7925	Observer's specified target RA [deg]
dec_targ	-45.871361	Observer's specified target Dec [deg]
ra_nom	251.78964354367	Nominal RA [deg]
dec_nom	-45.872088451628	Nominal Dec [deg]
roll_nom	253.23495562511	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20177.25	Sum of GTIs [s]
livetime	20098.432617188	Livetime [s]
ontime2	20177.25	Sum of GTIs [s]
ontime3	20177.25	Sum of GTIs [s]
ontime5	20177.25	Sum of GTIs [s]
ontime6	20177.25	Sum of GTIs [s]
ontime7	20177.25	Sum of GTIs [s]
ontime8	20177.25	Sum of GTIs [s]
l2events	403973	Number of level 2 events



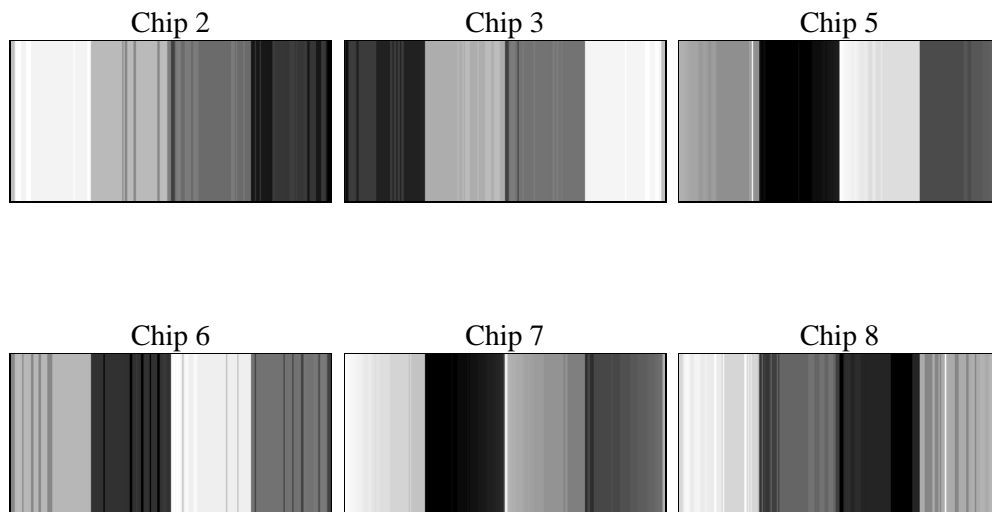
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	20177.25	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	20177.25	Sum of GTIs [s]
date	2012-04-10T23:55:47	Date and time of file creation	ontime3	20177.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20177.25	Sum of GTIs [s]
			ontime6	20177.25	Sum of GTIs [s]
			ontime7	20177.25	Sum of GTIs [s]
			ontime8	20177.25	Sum of GTIs [s]
			l1events	574844	Number of level 1 events

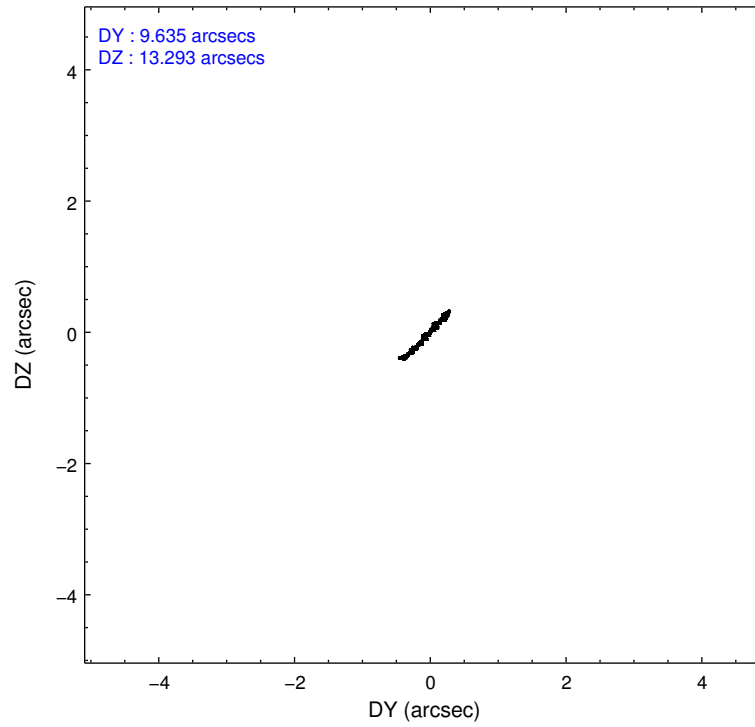
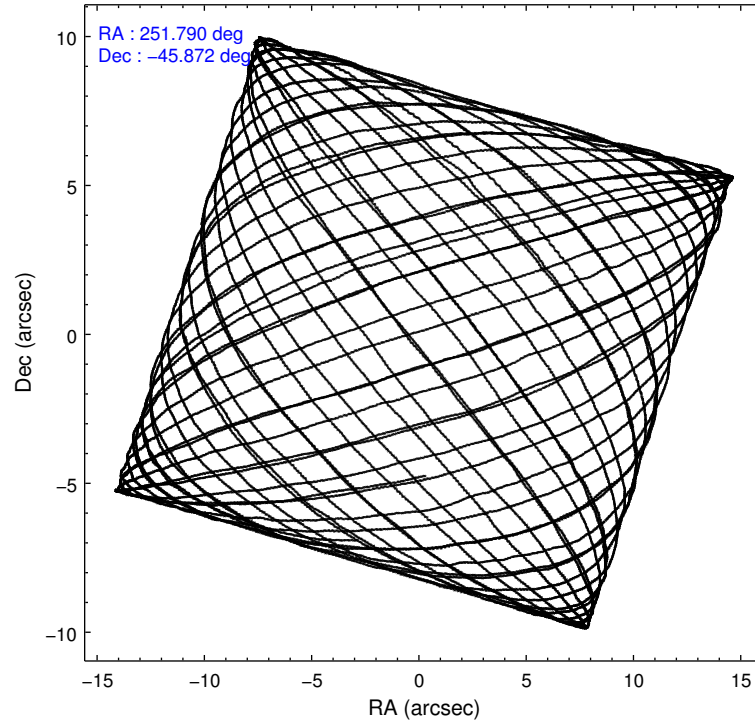
2.1.4 Events

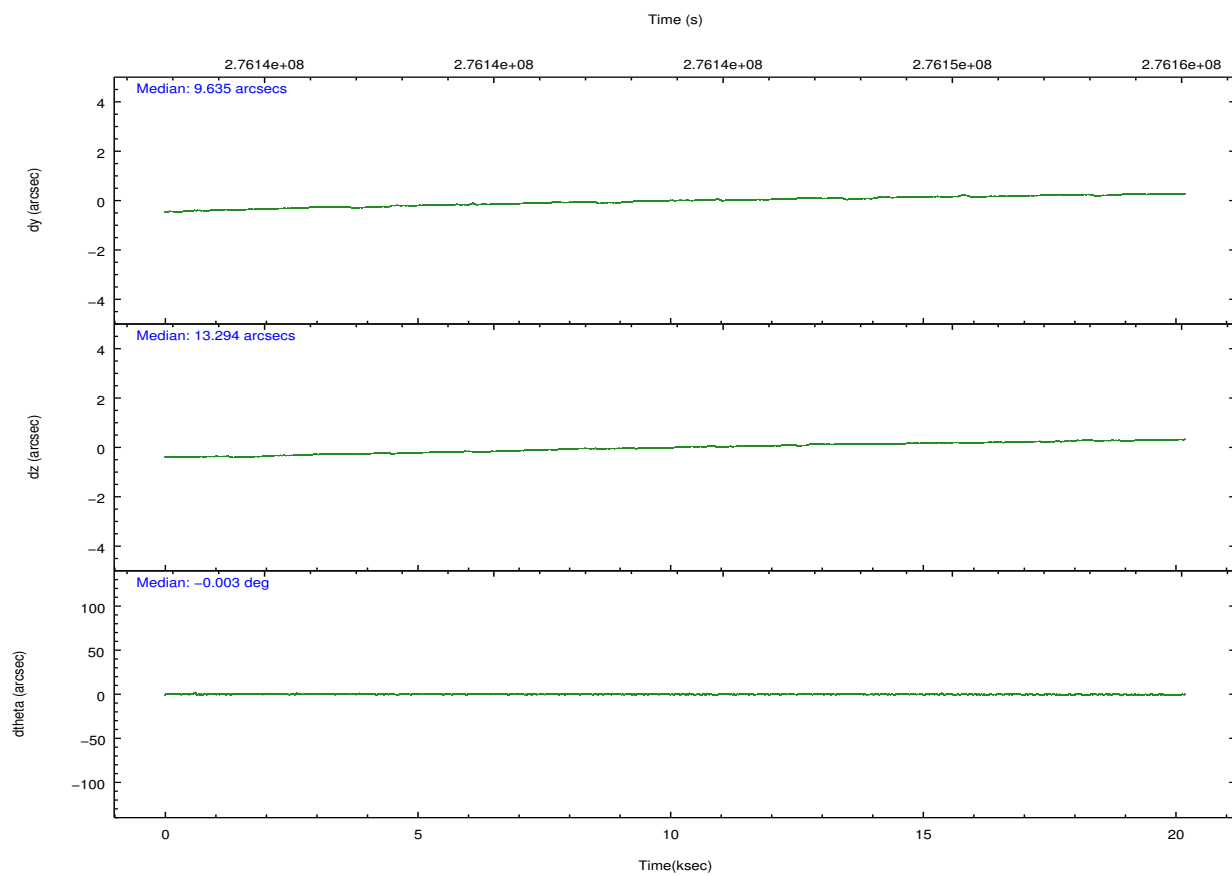
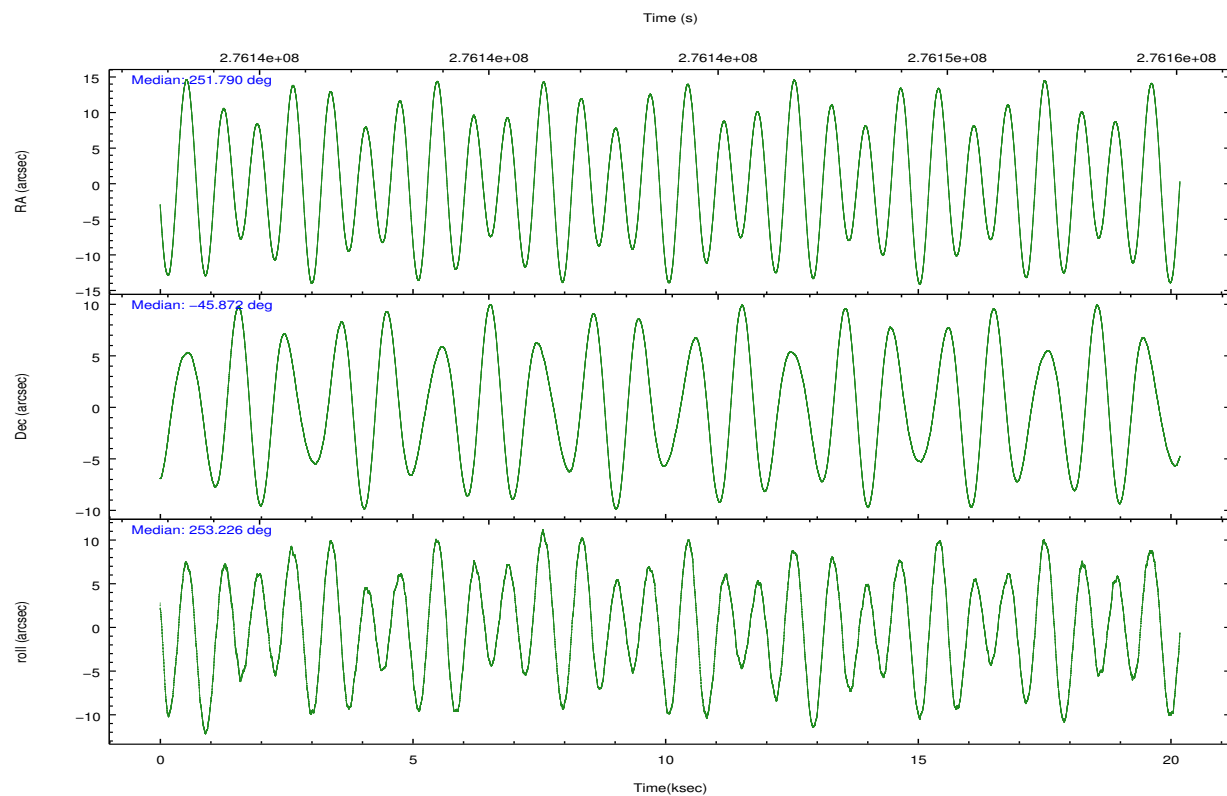
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	42345	61351	177868	43099	163612	86569	grade 0 events	5011	10675	35042	4276	17235	14867
rejected events	6837	7904	17227	8146	21236	11669		11%	17%	19%	9%	10%	17%
rejected %	16%	12%	9%	18%	12%	13%	grade 1 events	158	173	244	162	300	302
								0%	0%	0%	0%	0%	0%
							grade 2 events	15860	24960	45953	14776	37194	25288
								37%	40%	25%	34%	22%	29%
							grade 3 events	4004	4906	3423	4082	11589	8184
								9%	7%	1%	9%	7%	9%
							grade 4 events	4007	4187	3170	3826	11342	7916
								9%	6%	1%	8%	6%	9%
							grade 5 events	6580	7558	16438	7868	20405	11074
								15%	12%	9%	18%	12%	12%
							grade 6 events	6725	8892	73598	8109	65547	18938
								15%	14%	41%	18%	40%	21%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	251.780217	251.7896435436657	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.845645	-45.87208845162758	Alternating exposures requested	N	N
[deg] Pointing Roll	253.071562	253.234955625107	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	276134034.184000	276133327.02118			
Observation start date	2006-10-01T23:52:49	2006-10-01T23:42:07			
[s] Observation end time (MET)	276154034.184000	276154744.39719			
Observation end date	2006-10-02T05:26:09	2006-10-02T05:39:04			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



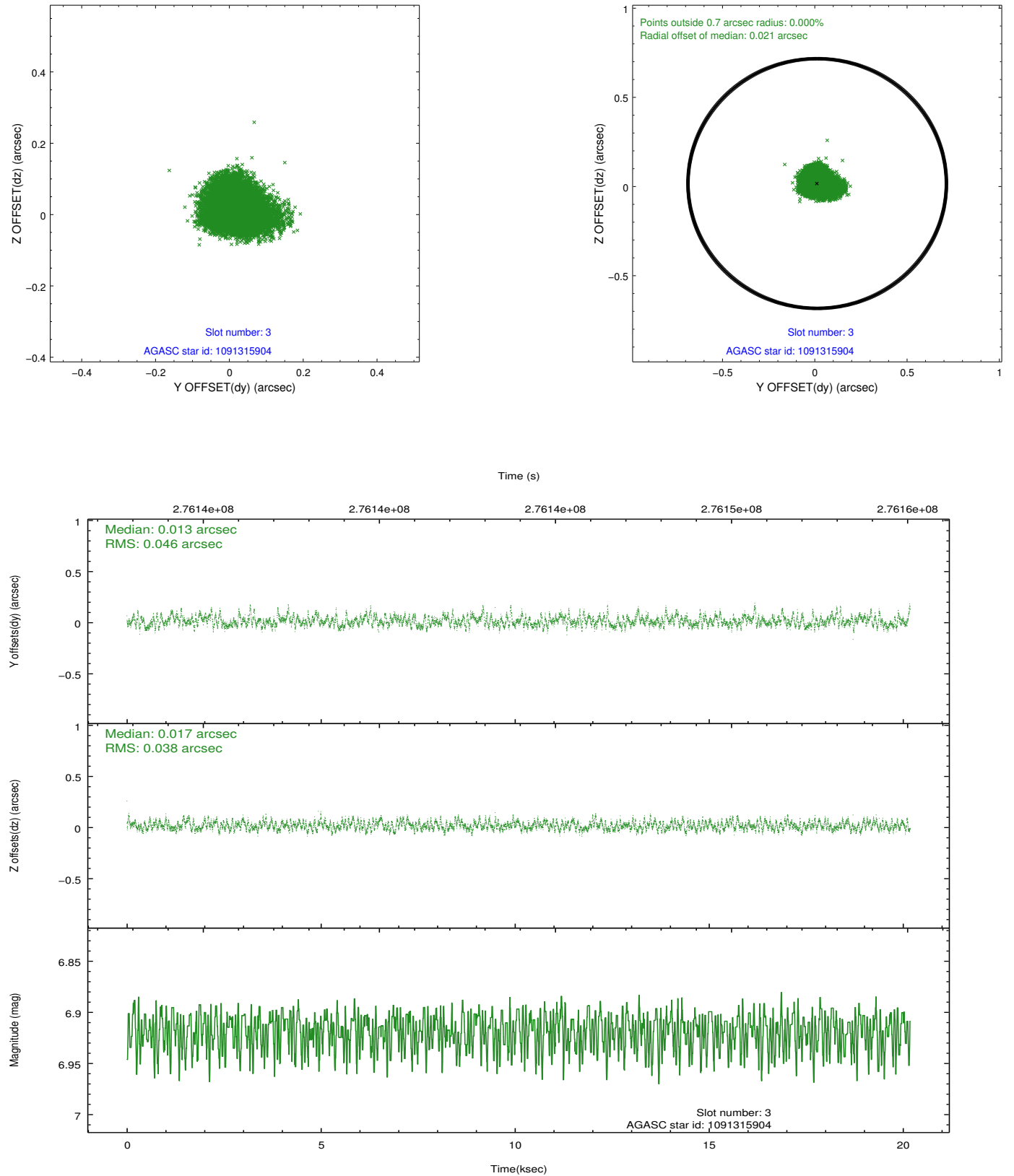


Slot Statistics

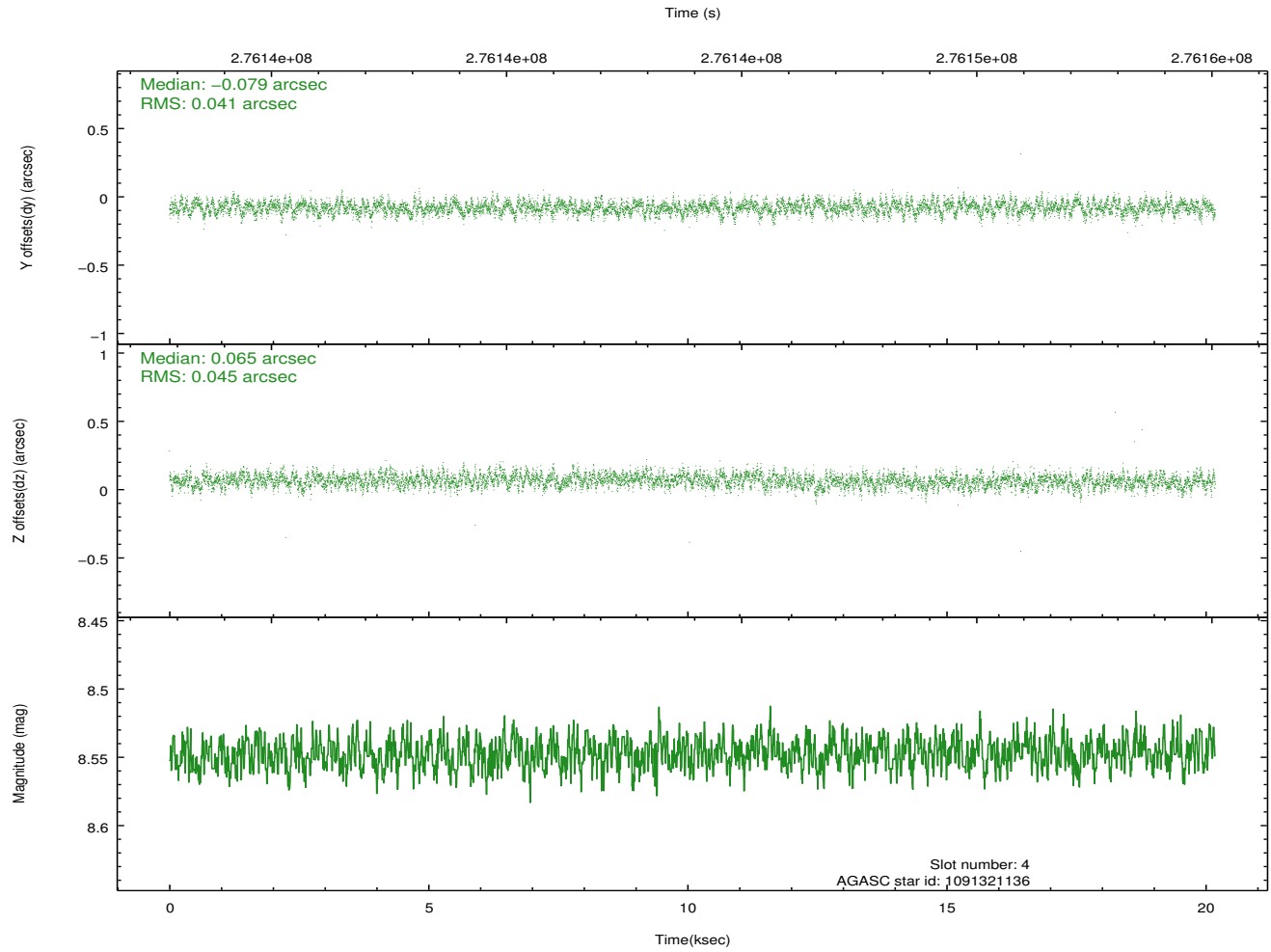
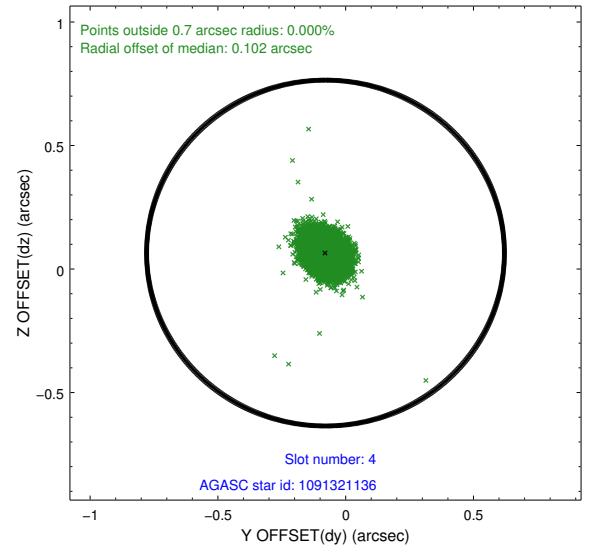
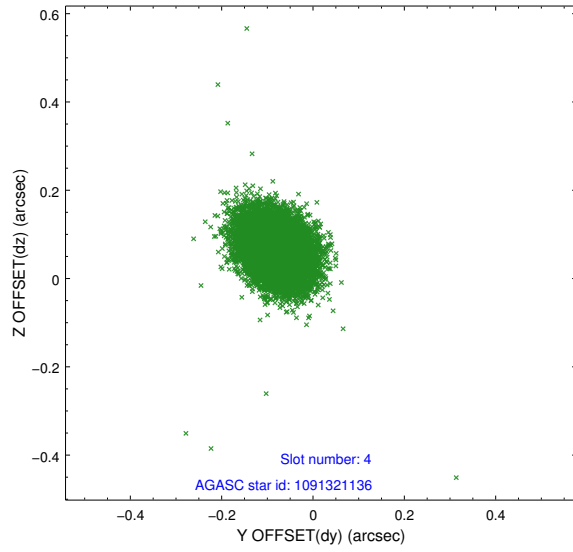
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4923	-0.020	-0.055	0.009	0.015	0.000000	0.000000	-762.47	-1734.65
1	FID	ACIS-S-4	7.20	4923	0.140	0.024	0.010	0.017	0.000000	0.000000	2150.91	173.68
2	FID	ACIS-S-5	7.23	4923	-0.152	0.040	0.010	0.016	0.000000	0.000000	-1815.18	167.63
3	GUIDE	1091315904	6.92	9845	0.013	0.017	0.063	0.100	252.023077	-45.944918	165.94	686.09
4	GUIDE	1091321136	8.55	9840	-0.079	0.065	0.063	0.104	252.629031	-45.865288	-541.27	2059.57
5	GUIDE	1091341680	8.44	9843	0.287	-0.020	0.070	0.112	251.240217	-46.114317	1322.74	-1005.76
6	GUIDE	1091321752	6.99	9846	-0.070	-0.147	0.049	0.080	251.516776	-46.486101	2397.24	47.21
7	GUIDE	1091326848	8.85	9844	-0.151	0.085	0.066	0.107	252.143808	-45.528706	-1356.28	545.61

2.4 Star Slots

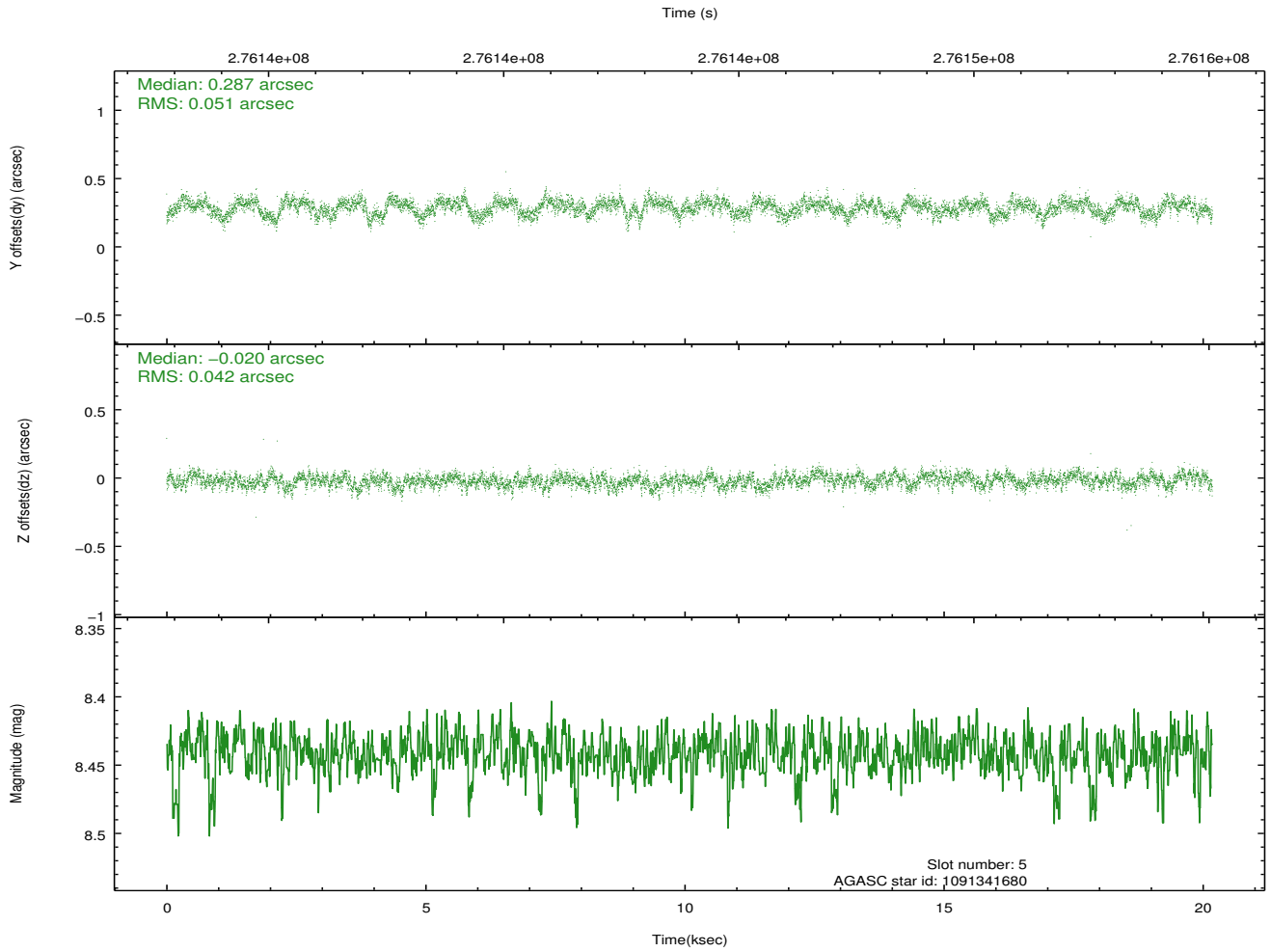
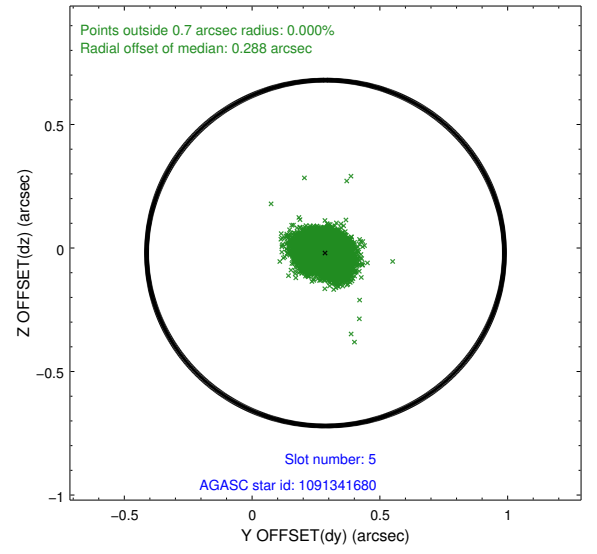
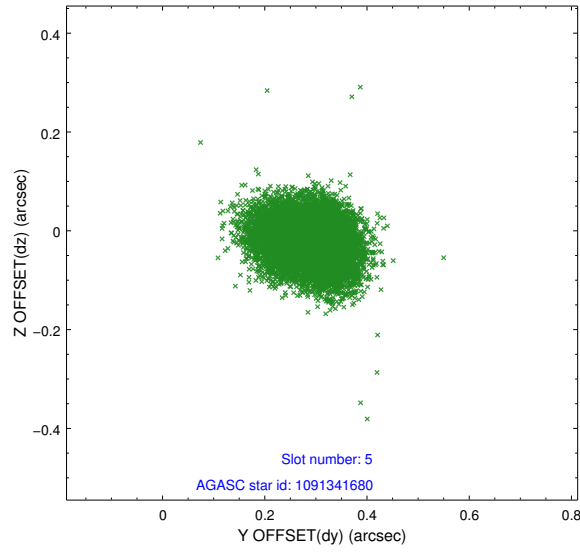
2.4.1 Slot 3



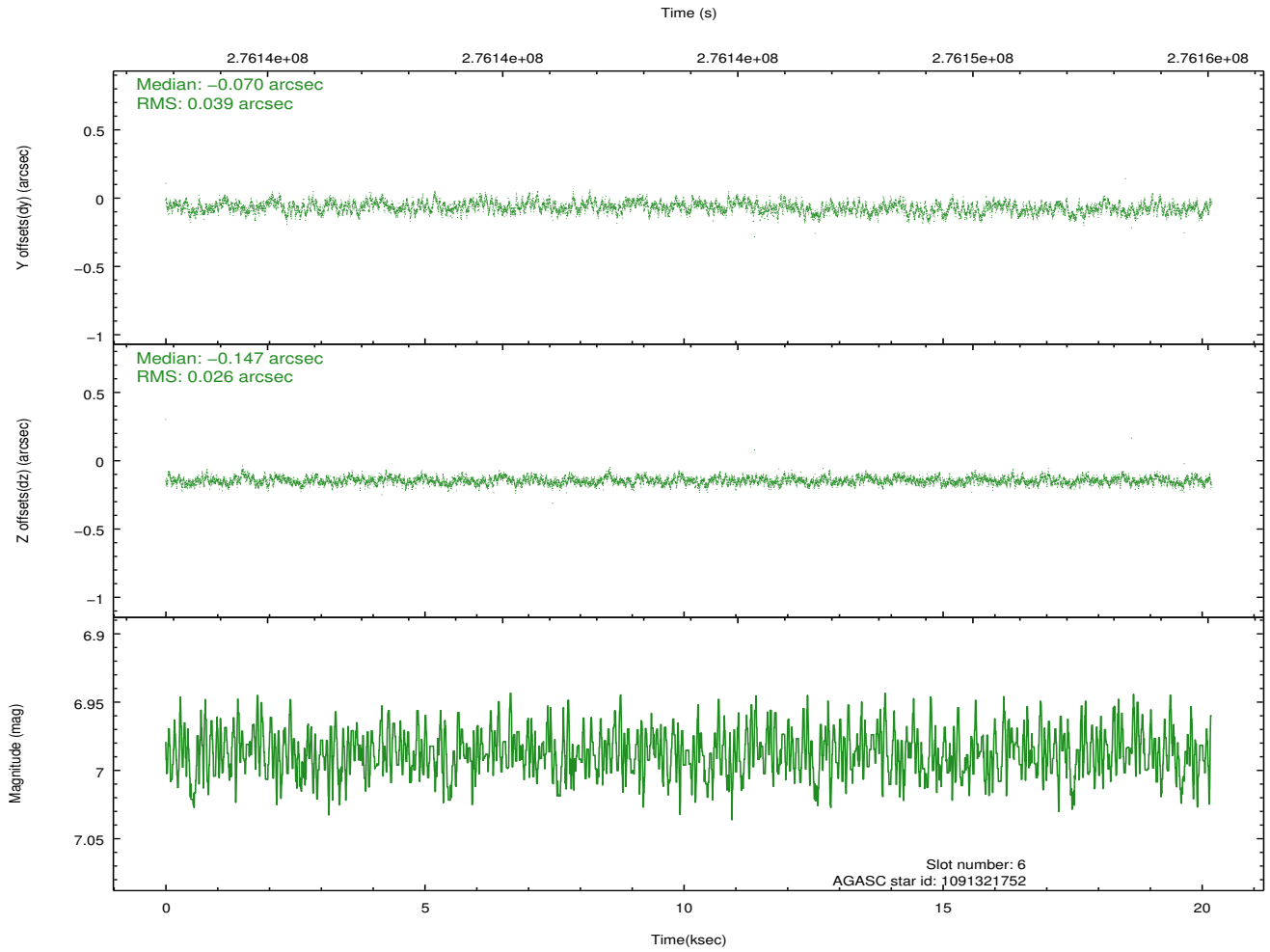
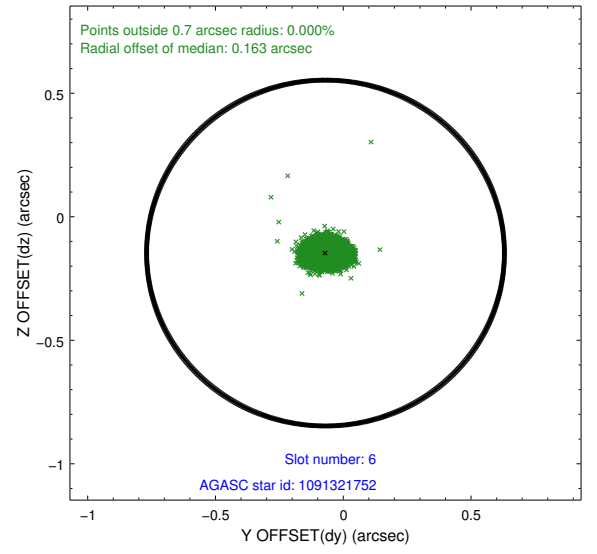
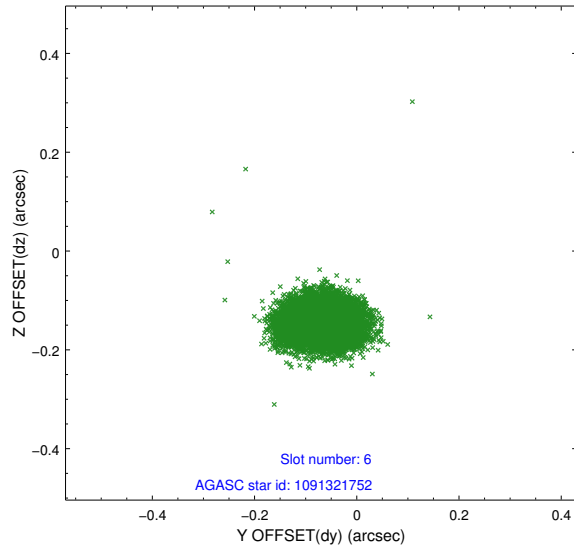
2.4.2 Slot 4



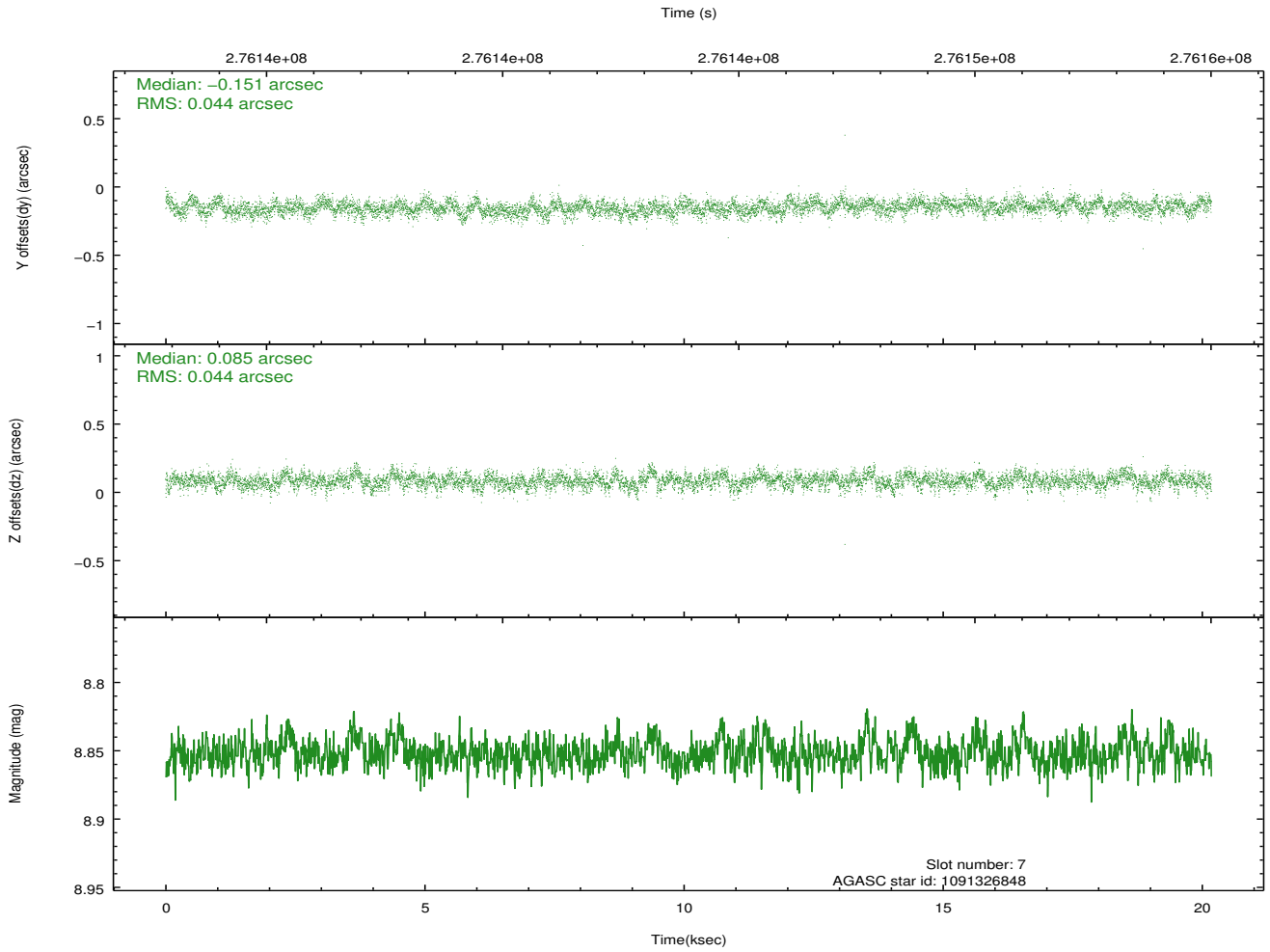
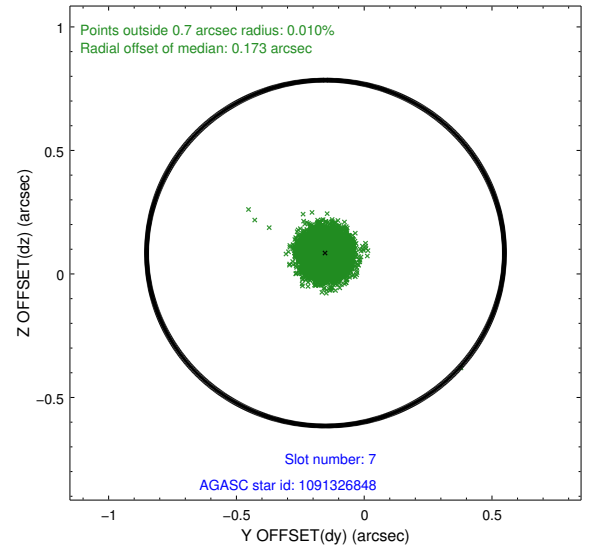
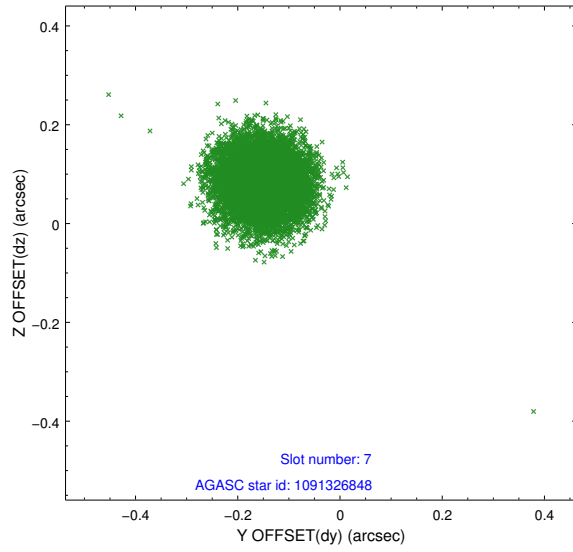
2.4.3 Slot 5



2.4.4 Slot 6

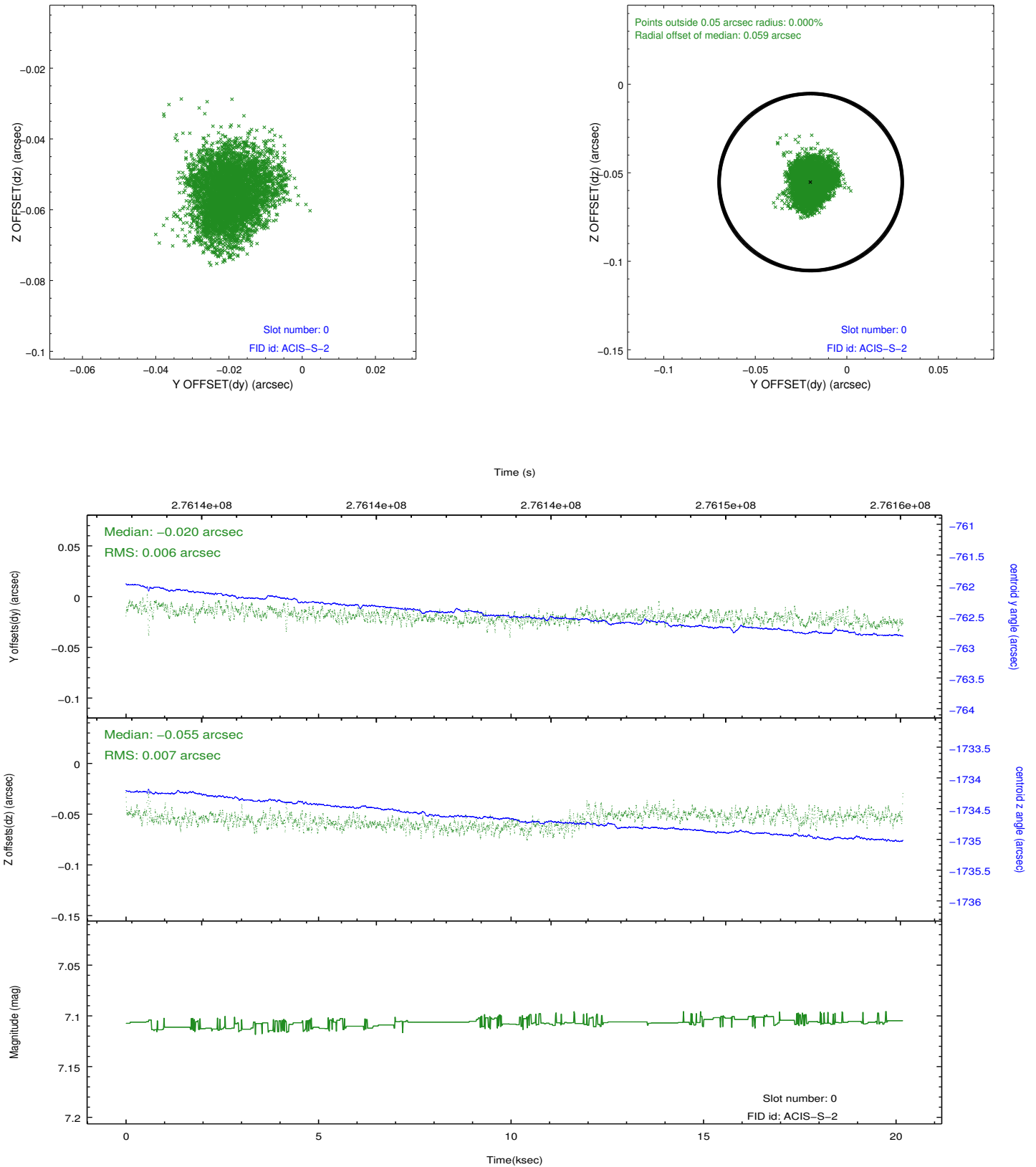


2.4.5 Slot 7

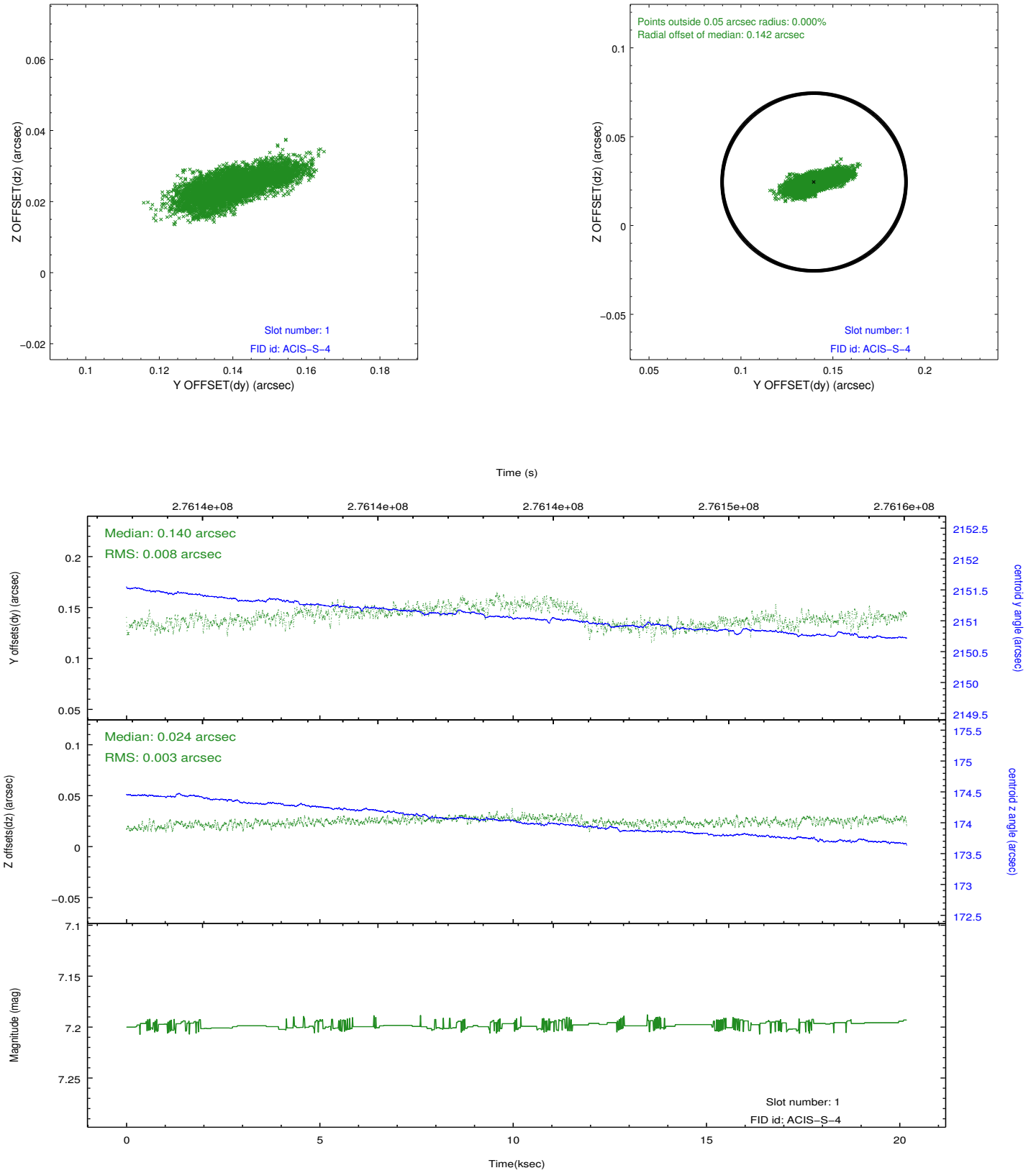


2.5 FID Slots

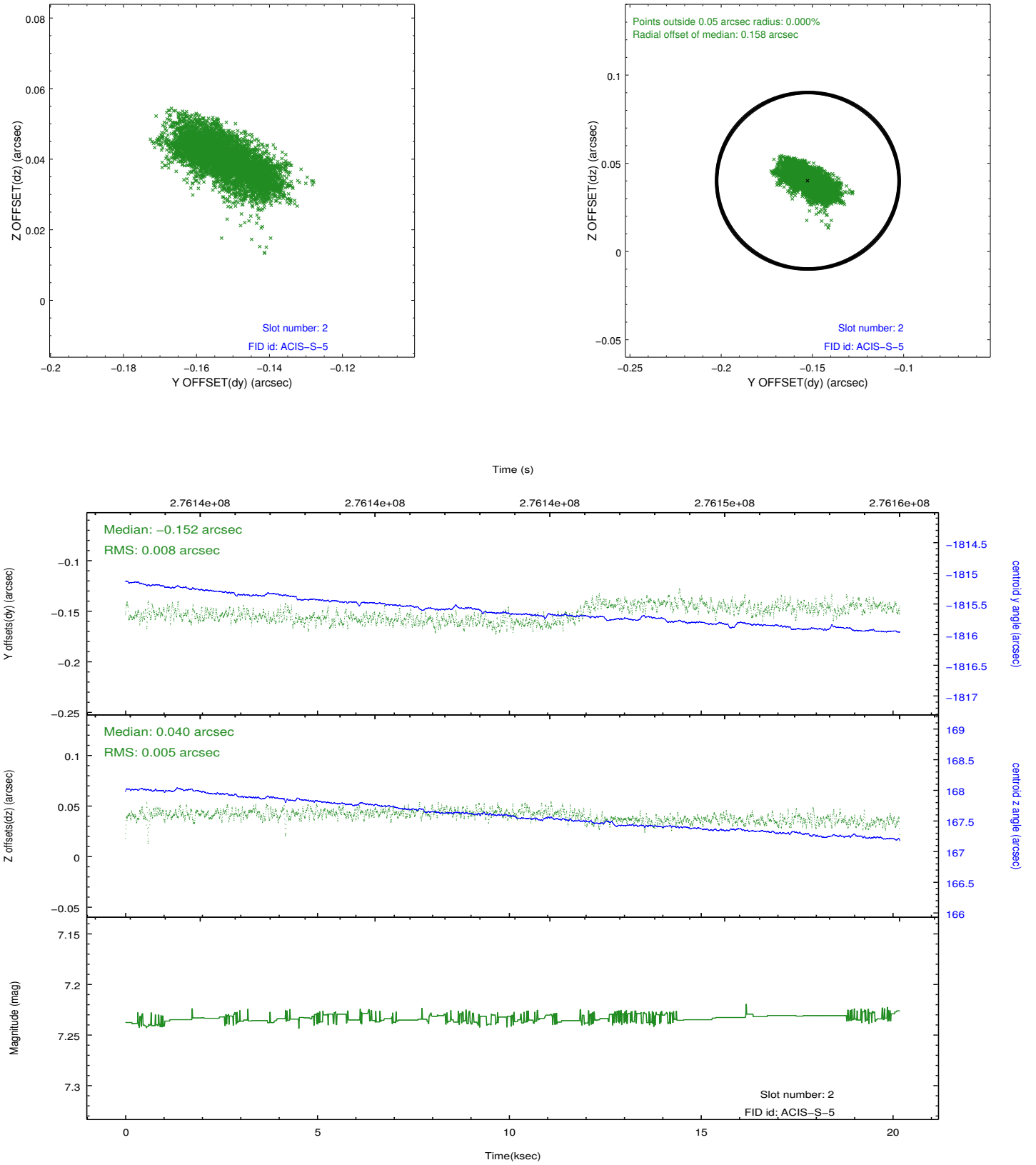
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.17725

A.2 Comments