

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9273 - L2 Version 2
Chandra X-Ray Center

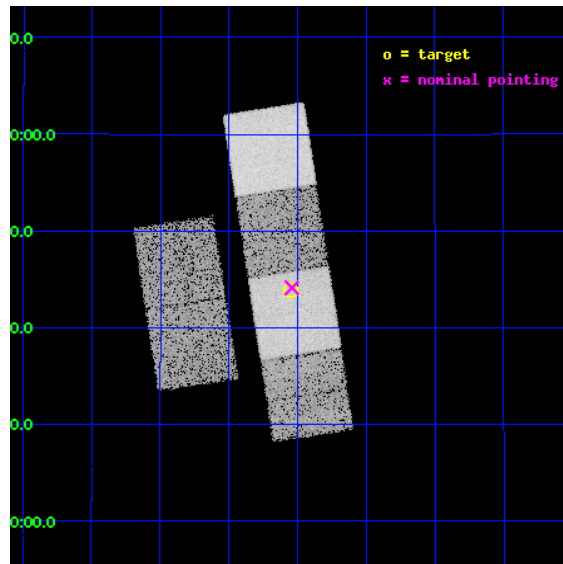
L2 Processing Date : May 8 2012

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1 Front

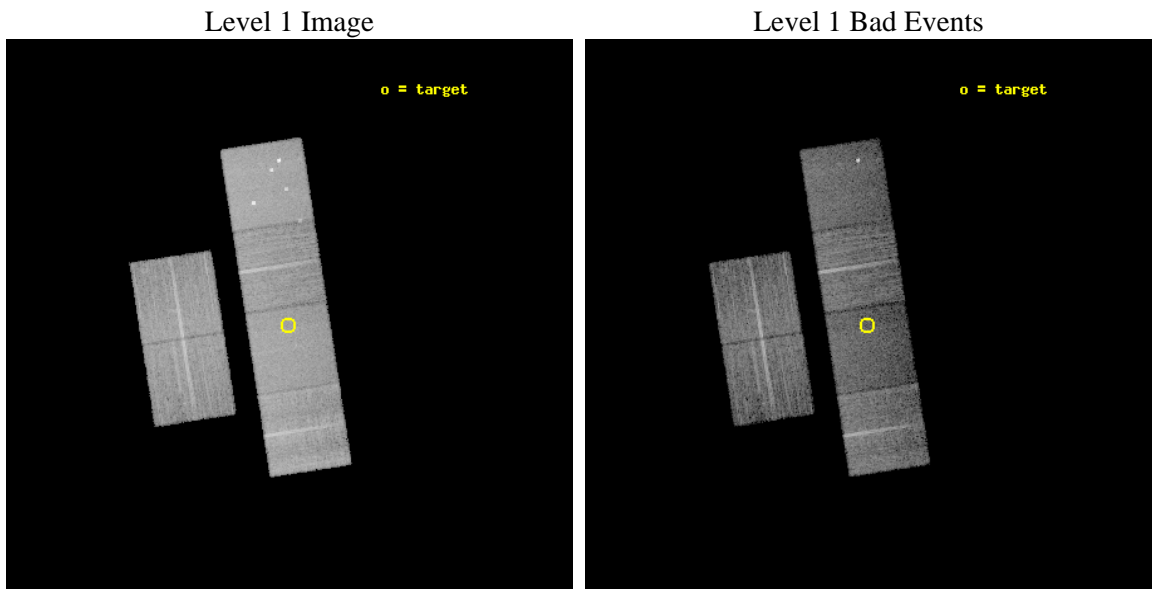
seq_num	701714	Sequence number
obs_id	9273	Observation id
title	A Chandra Survey of Nearby X-shaped Radio Galaxies	Proposal title
observer	Prof Christopher Reynolds	Principal investigator
object	J1101+1640 Abell 1145	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.3875	Observer's specified target RA [deg]
dec_targ	16.731111	Observer's specified target Dec [deg]
ra_nom	165.3855065179	Nominal RA [deg]
dec_nom	16.735590068631	Nominal Dec [deg]
roll_nom	81.163907280225	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10140.799962282	Sum of GTIs [s]
livetime	10012.391047103	Livetime [s]
ontime2	10140.799962282	Sum of GTIs [s]
ontime3	10140.799962282	Sum of GTIs [s]
ontime5	10140.799962282	Sum of GTIs [s]
ontime6	10140.799962282	Sum of GTIs [s]
ontime7	10140.799962282	Sum of GTIs [s]
ontime8	10140.799962282	Sum of GTIs [s]
l2events	139268	Number of level 2 events



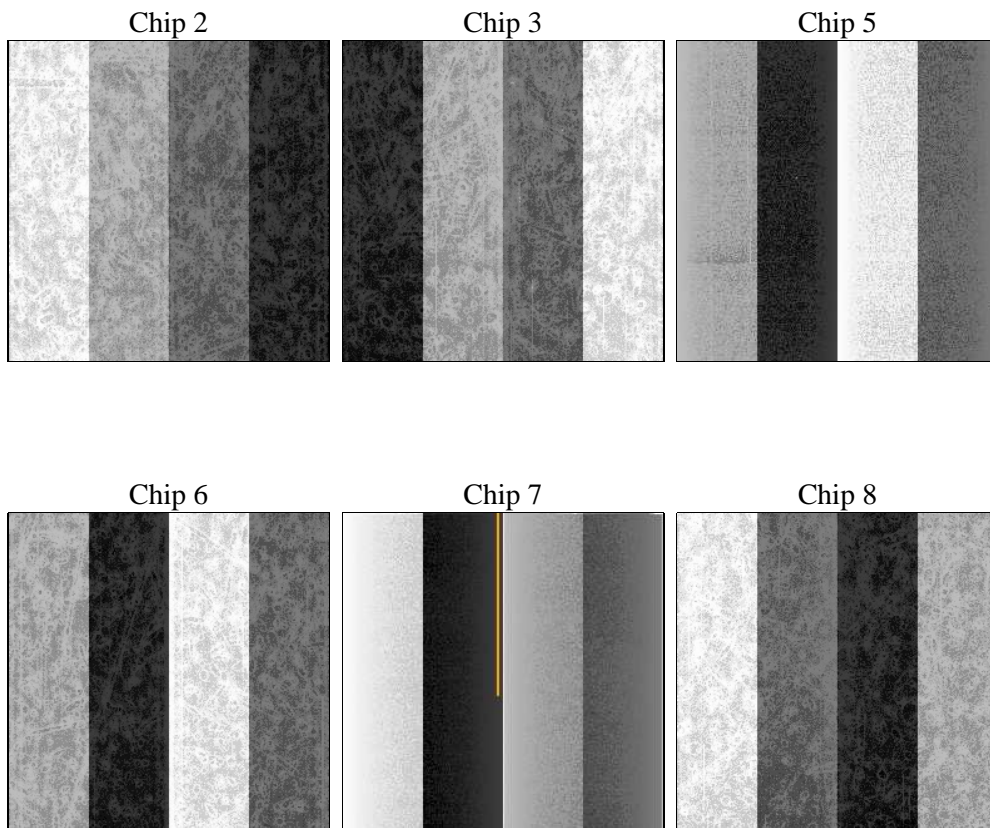
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10004.487000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10140.799962282	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10140.799962282	Sum of GTIs [s]
date	2012-05-08T14:44:16	Date and time of file creation	ontime3	10140.799962282	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10140.799962282	Sum of GTIs [s]
			ontime6	10140.799962282	Sum of GTIs [s]
			ontime7	10140.799962282	Sum of GTIs [s]
			ontime8	10140.799962282	Sum of GTIs [s]
			l1events	615565	Number of level 1 events

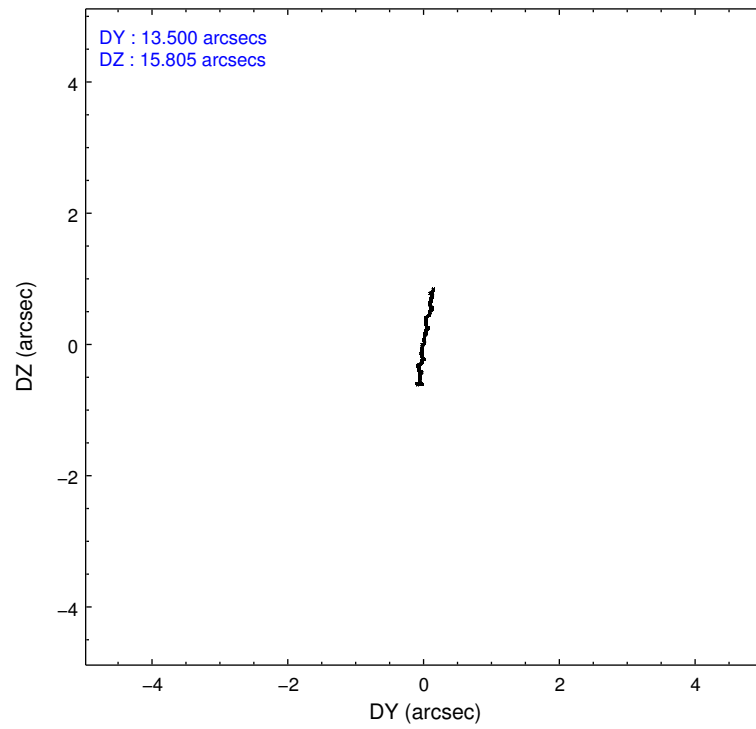
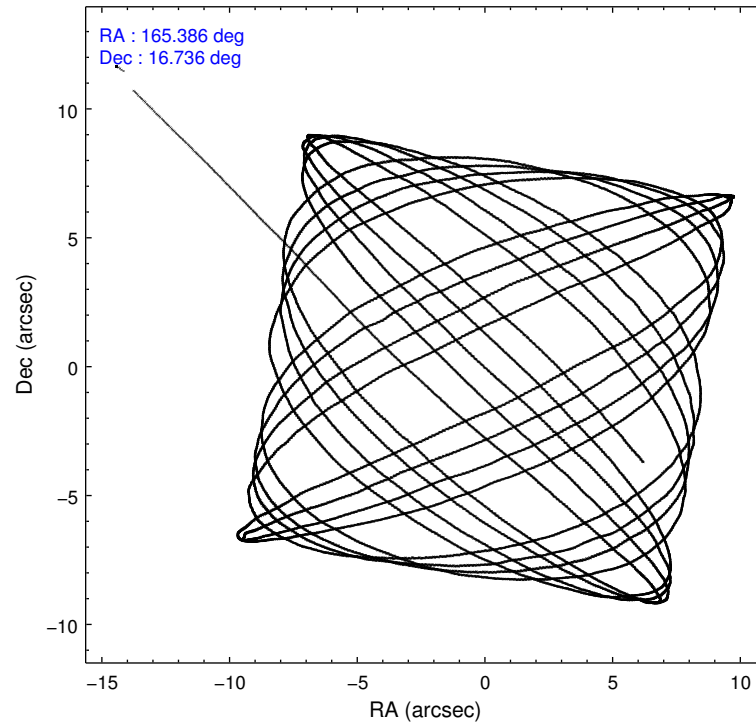
2.1.4 Events

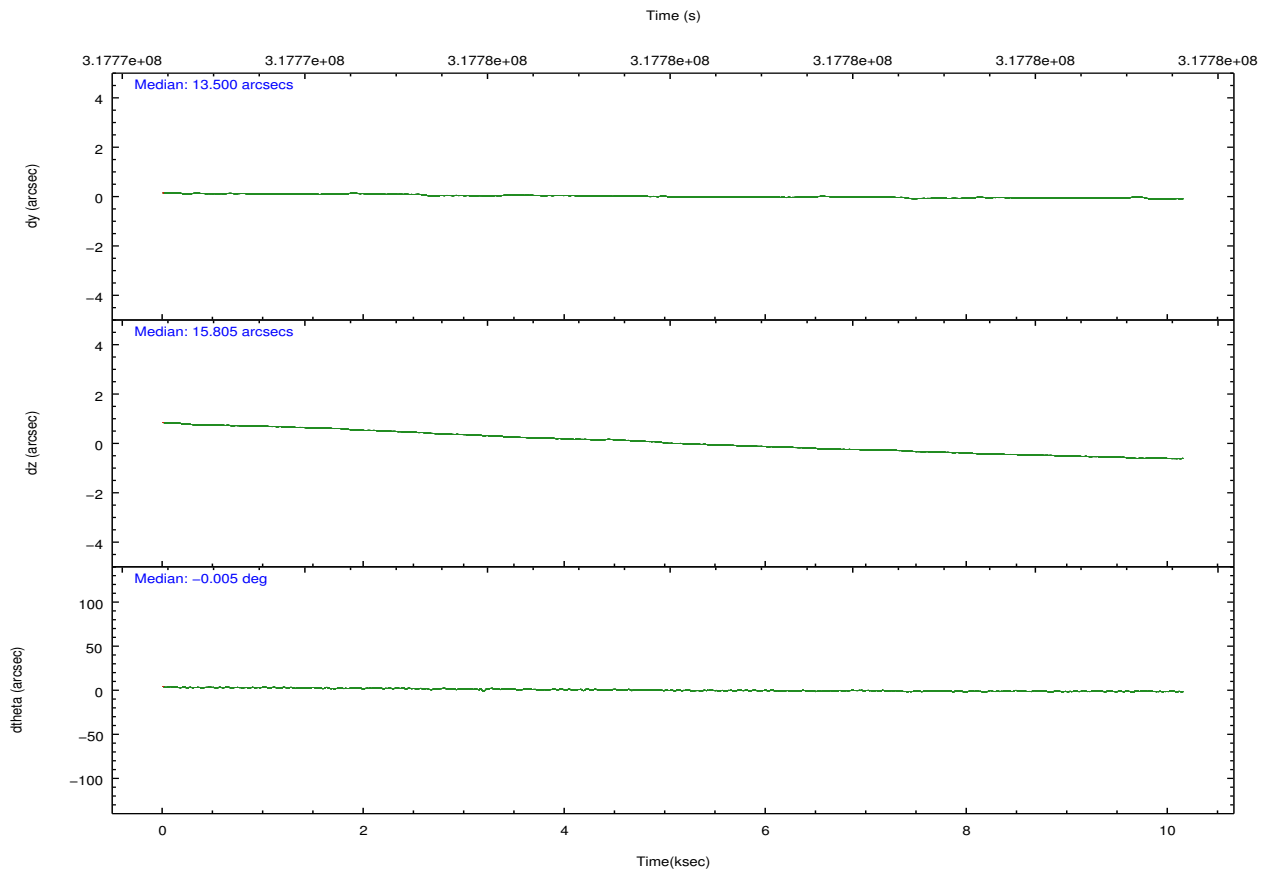
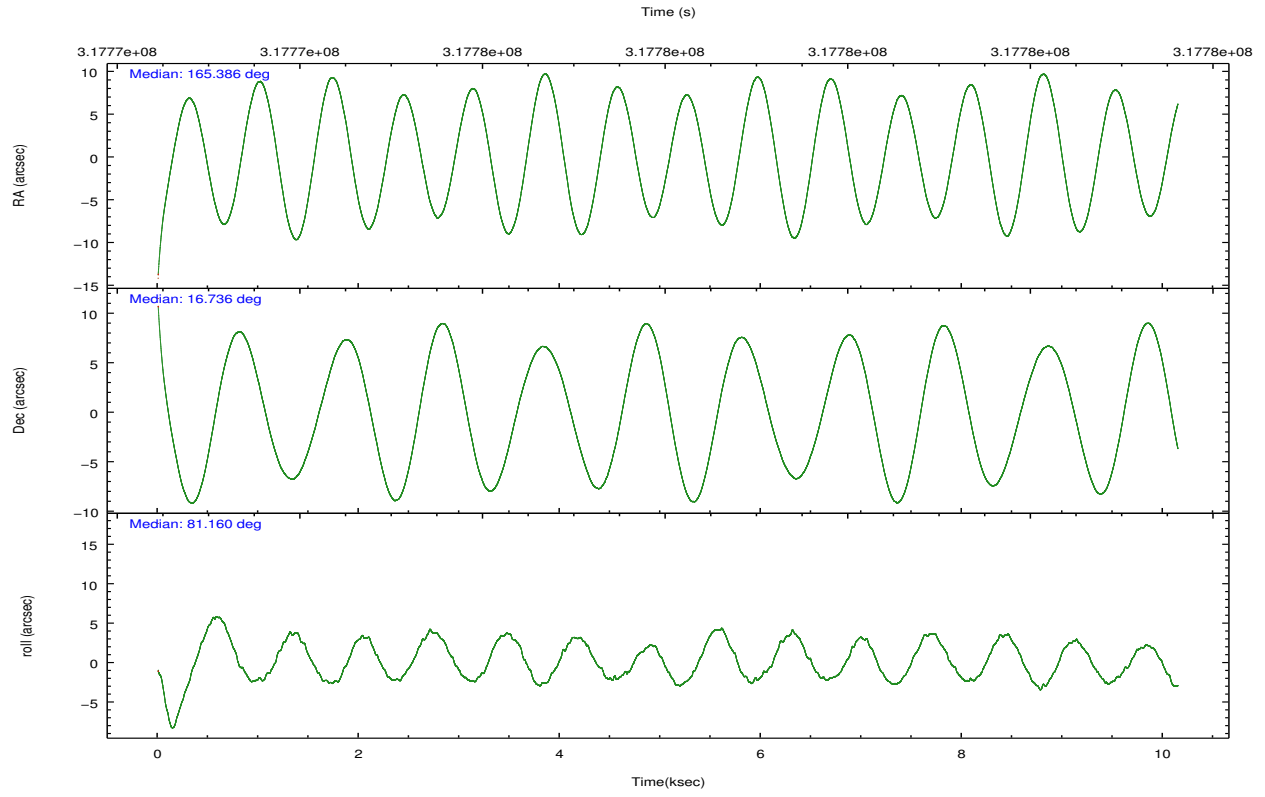
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	95295	86552	129667	89512	100818	113721	grade 0 events	4337	4036	9959	4692	4531	10134
rejected events	85324	77156	64732	78859	54380	85149		4%	4%	7%	5%	4%	8%
rejected %	89%	89%	49%	88%	53%	74%	grade 1 events	52	58	327	42	129	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	2342	1954	19491	2163	9654	6458
								2%	2%	15%	2%	9%	5%
							grade 3 events	955	957	2678	994	4153	2969
								1%	1%	2%	1%	4%	2%
							grade 4 events	951	1032	2570	1024	4164	2734
								0%	1%	1%	1%	4%	2%
							grade 5 events	2883	3365	9685	3446	10063	5020
								3%	3%	7%	3%	9%	4%
							grade 6 events	1748	1776	32860	2139	25666	7225
								1%	2%	25%	2%	25%	6%
							grade 7 events	82027	73374	52097	75012	42458	79085
								86%	84%	40%	83%	42%	69%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	165.396207	165.3855065178991	CCD I2 on	O2	Y
[deg] Pointing Dec	16.710218	16.73559006863088	CCD I3 on	O4	Y
[deg] Pointing Roll	81.004191	81.16390728022549	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O3	Y
[s] Observation start time (MET)	317773112.184000	317771850.19886	CCD S5 on	N	N
Observation start date	2008-01-26T22:17:27	2008-01-26T21:57:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	317783116.184000	317783333.78692	On-chip summing requested	N	N
Observation end date	2008-01-27T01:04:11	2008-01-27T01:08:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



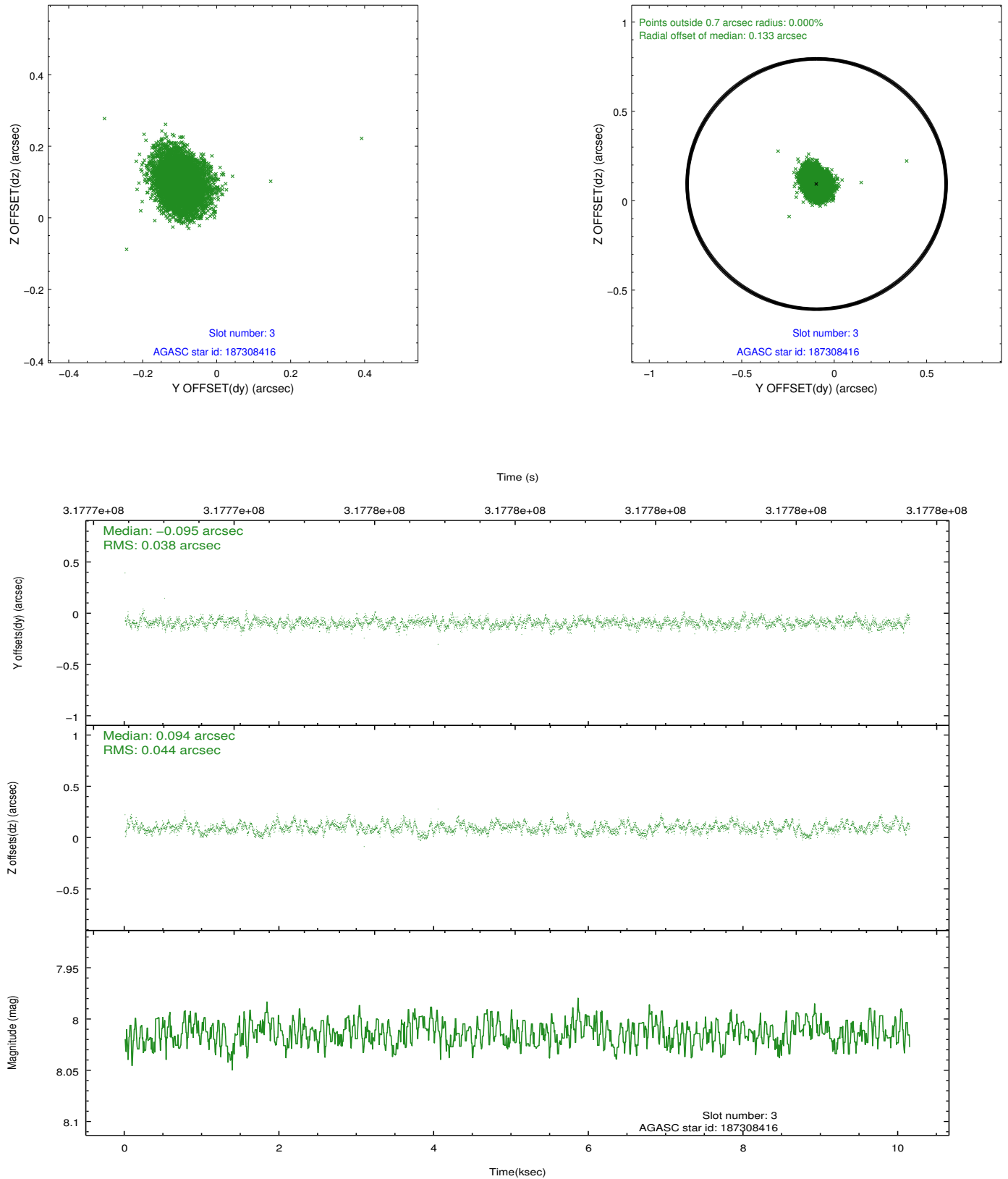


Slot Statistics

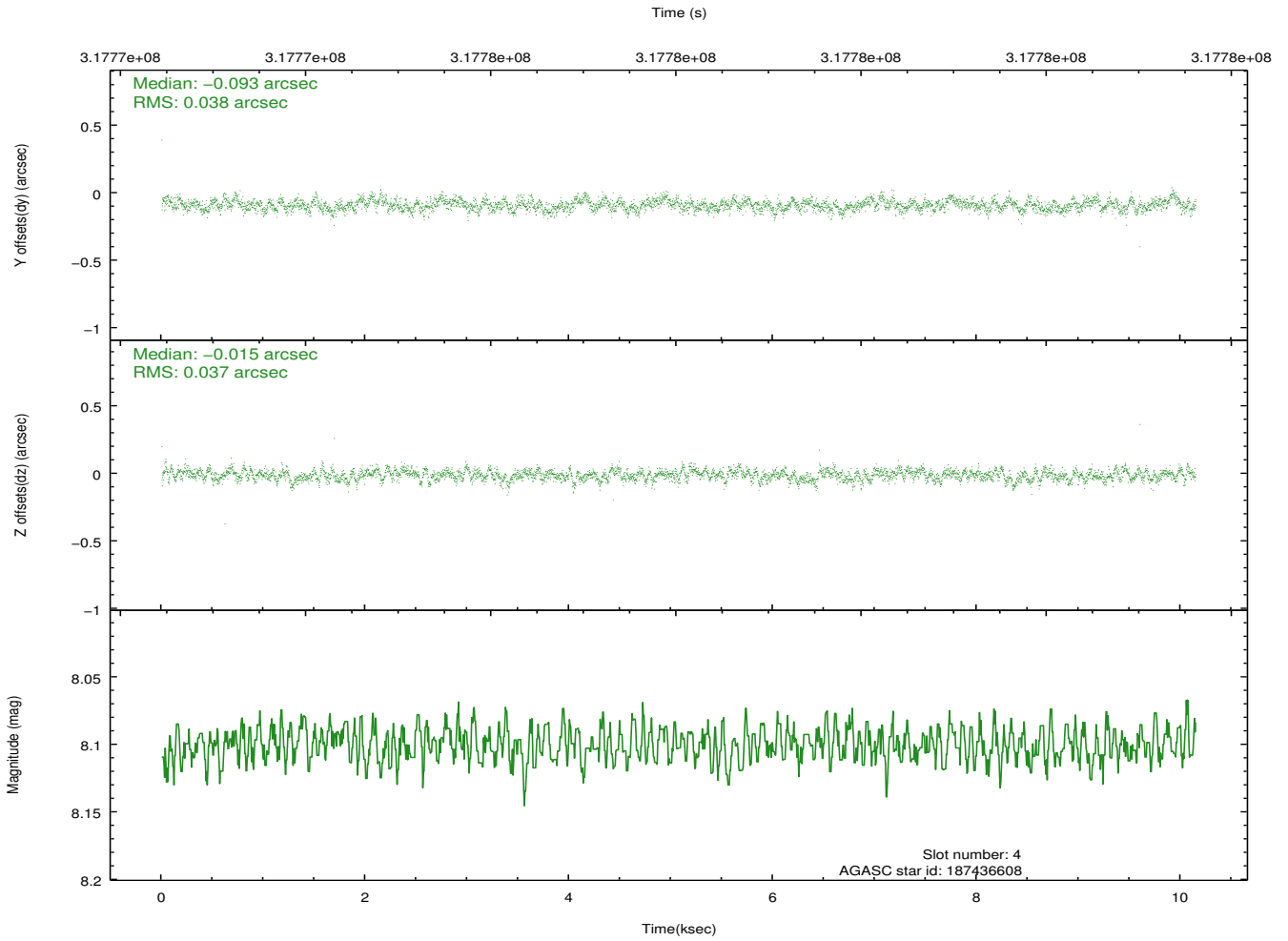
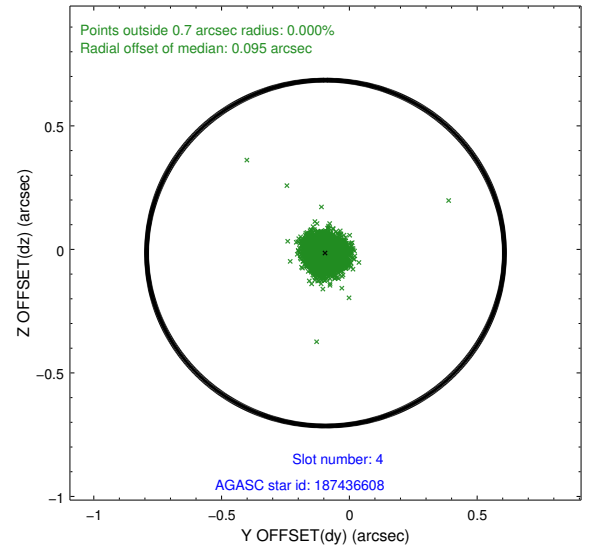
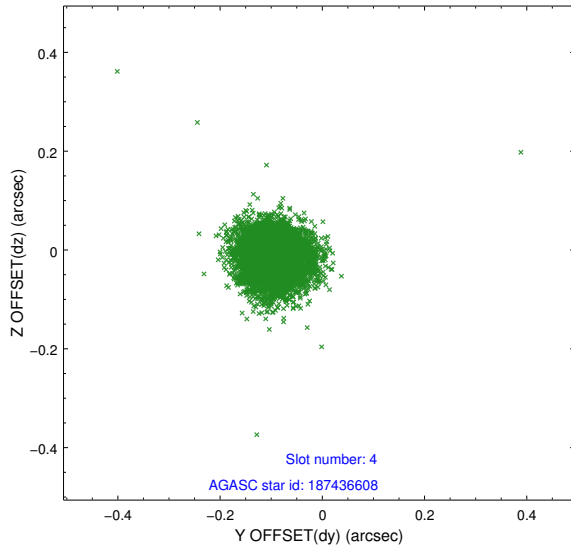
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2475	-0.053	-0.032	0.009	0.015	0.000000	0.000000	-766.48	-1737.30
1	FID	ACIS-S-4	7.19	2475	0.184	0.034	0.006	0.010	0.000000	0.000000	2146.78	170.73
2	FID	ACIS-S-5	7.22	2475	-0.162	0.006	0.011	0.020	0.000000	0.000000	-1818.78	164.94
3	GUIDE	187308416	8.01	4949	-0.095	0.094	0.062	0.100	164.950995	16.387287	-1386.96	1337.40
4	GUIDE	187436608	8.10	4949	-0.093	-0.015	0.055	0.089	165.603484	16.879665	714.43	-609.38
5	GUIDE	187439664	9.14	4949	0.166	0.026	0.094	0.143	165.697174	16.092114	-2033.65	-1376.19
6	GUIDE	187433640	8.64	4949	-0.116	-0.162	0.073	0.118	165.432030	17.359744	2328.39	243.94
7	GUIDE	187434320	9.00	4941	0.136	0.066	0.107	0.169	166.021143	16.256655	-1270.76	-2387.91

2.4 Star Slots

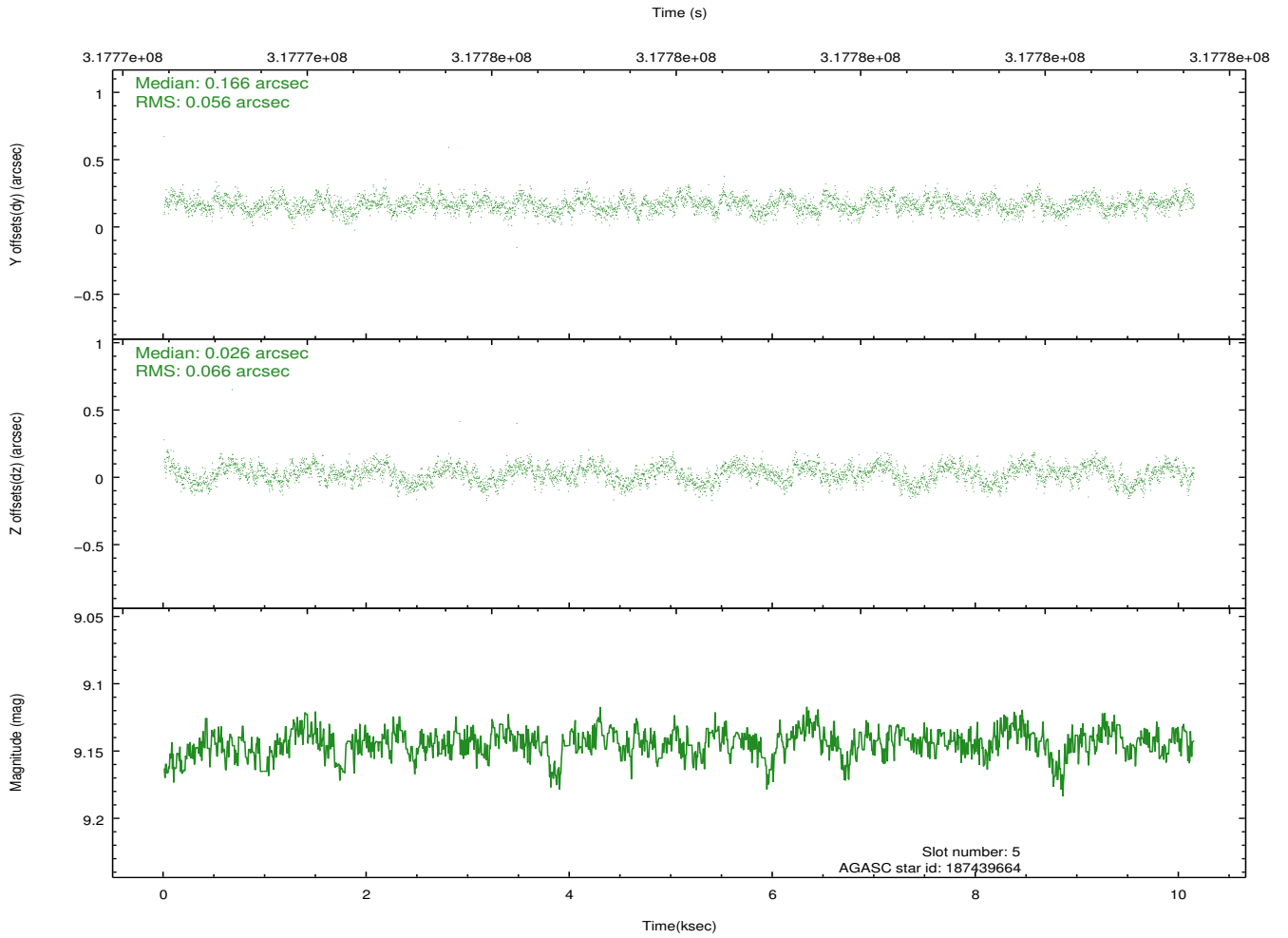
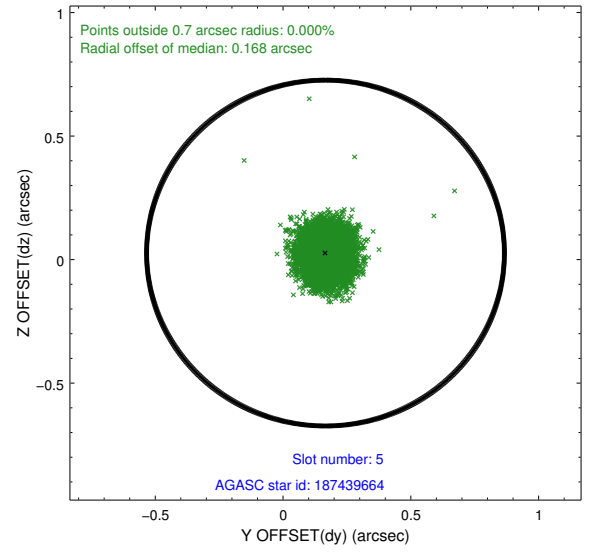
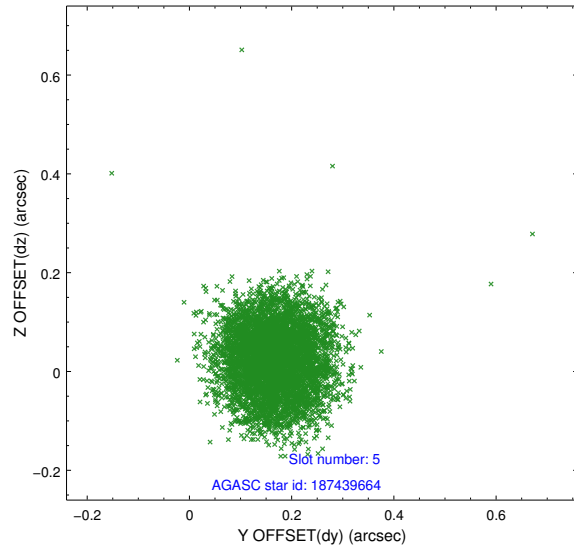
2.4.1 Slot 3



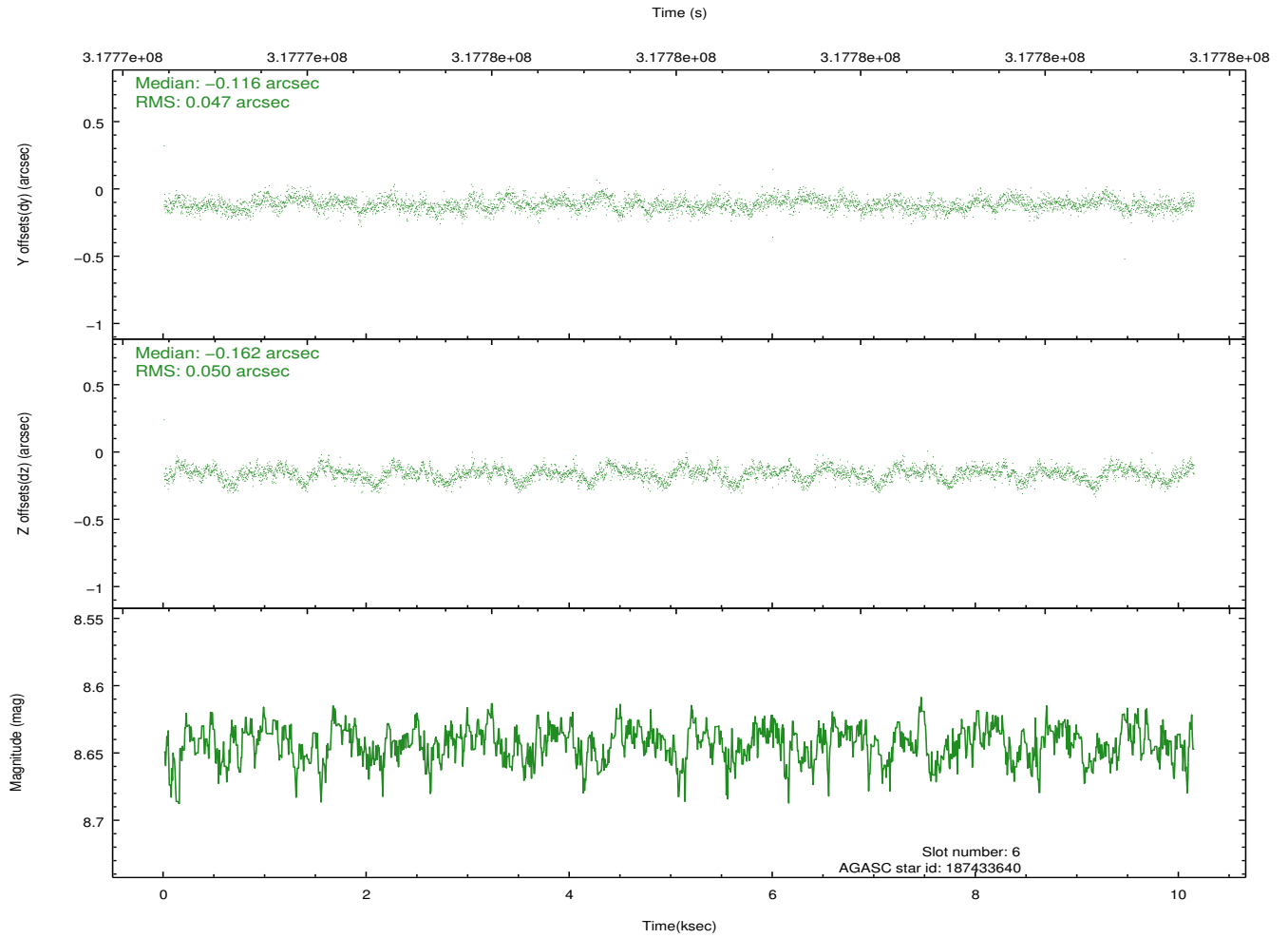
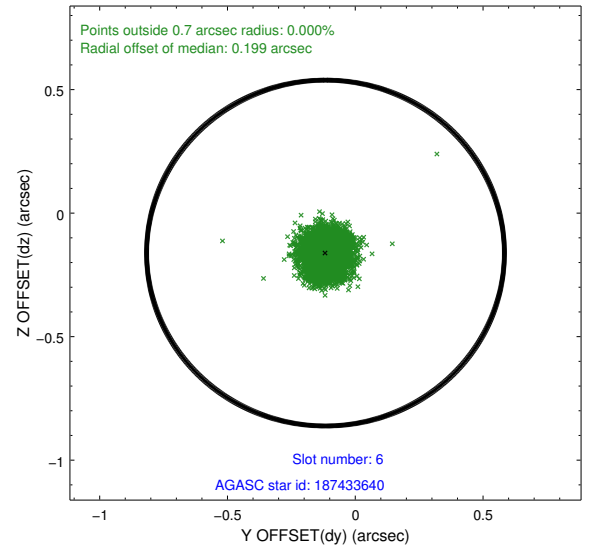
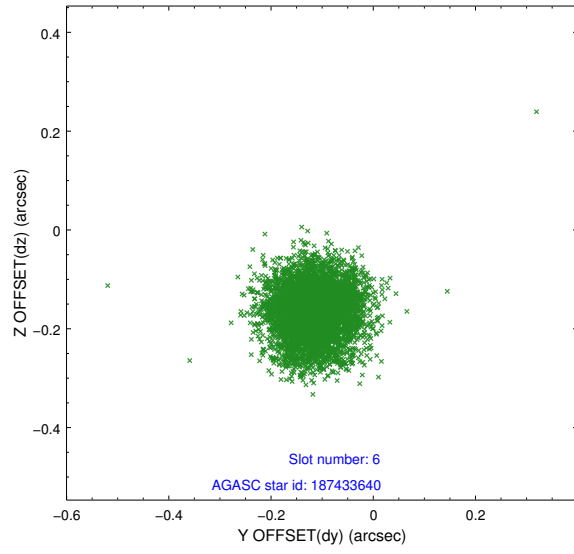
2.4.2 Slot 4



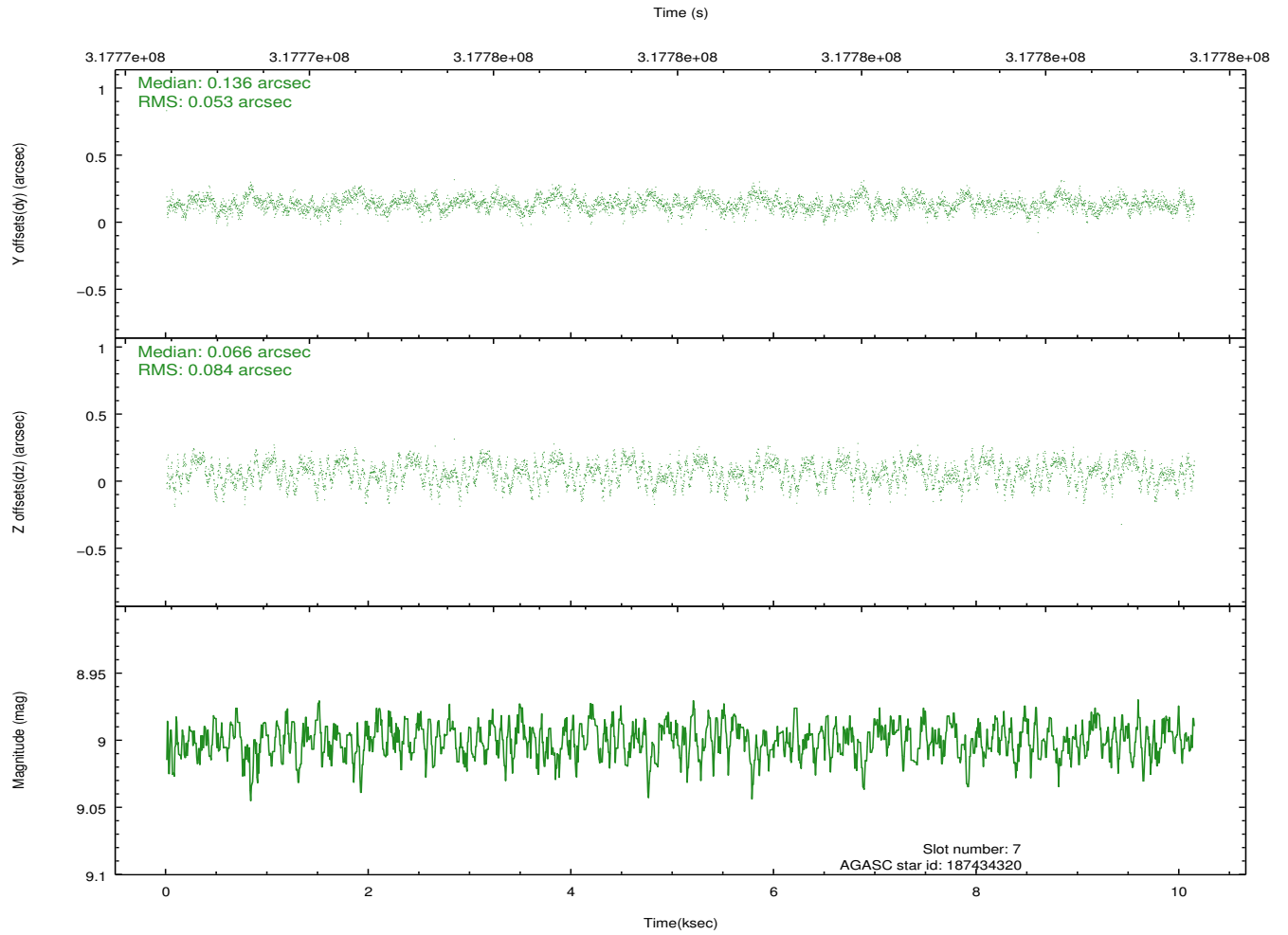
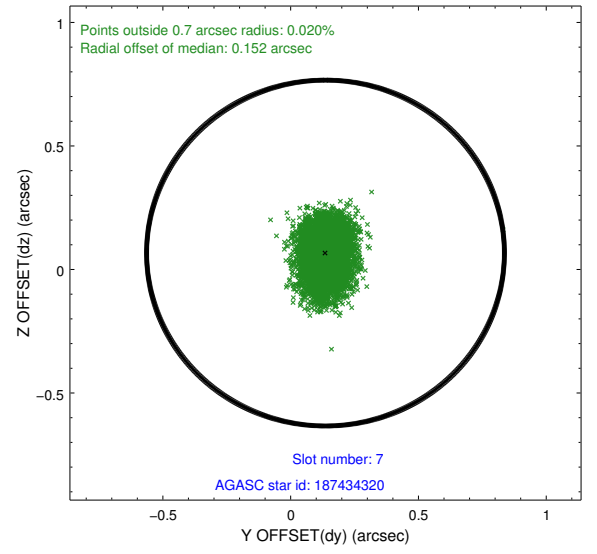
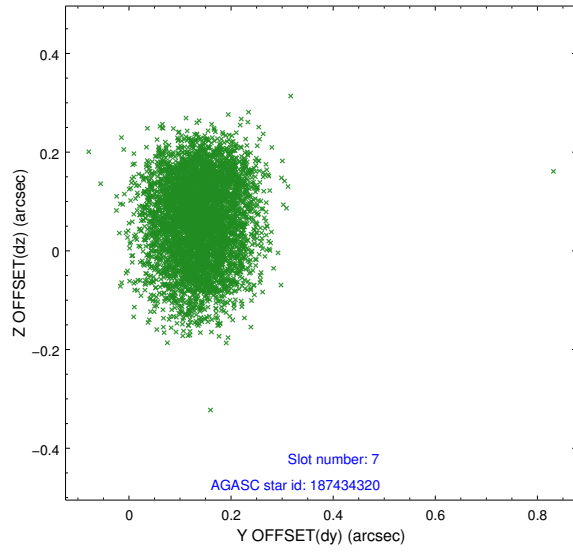
2.4.3 Slot 5



2.4.4 Slot 6

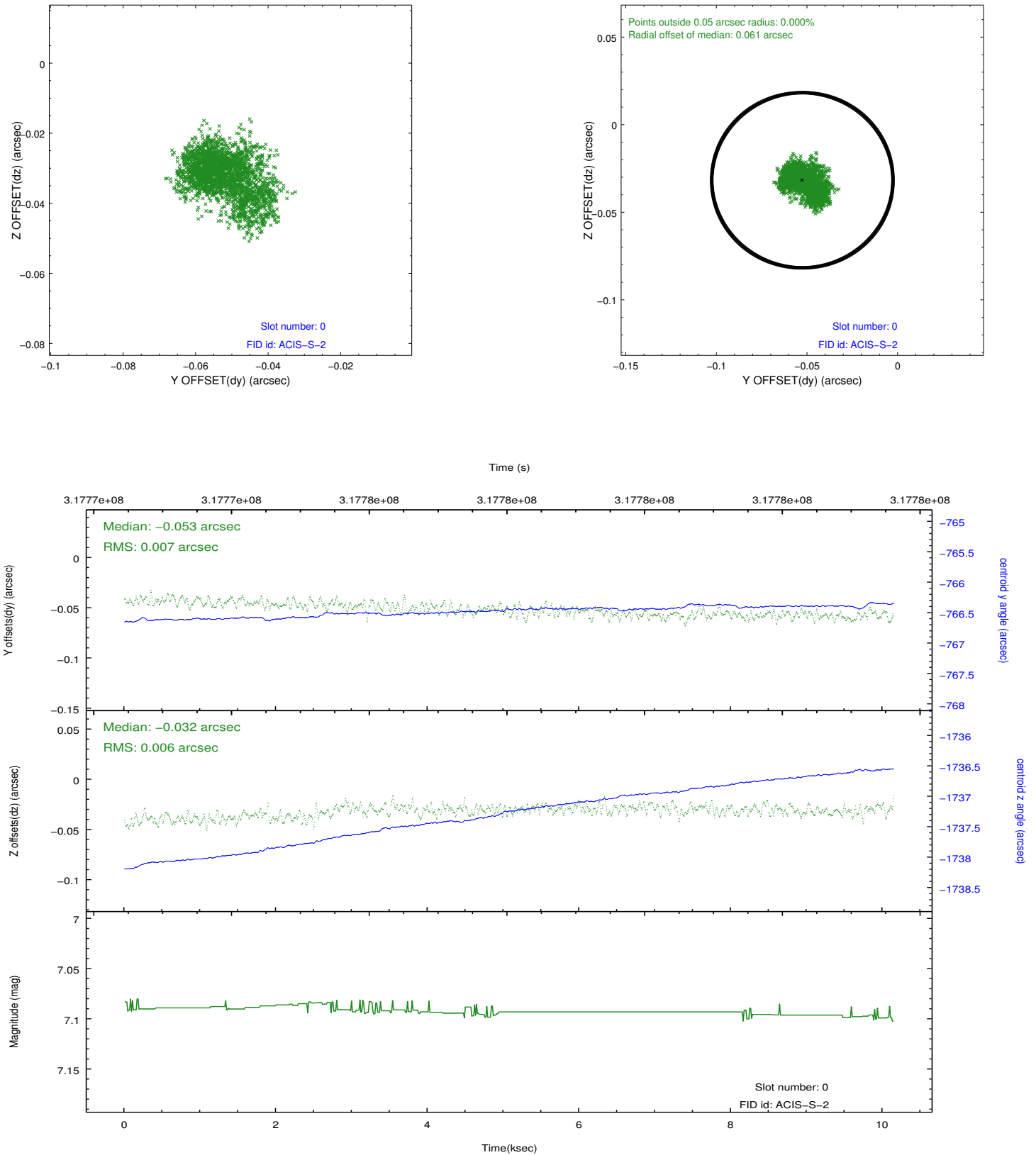


2.4.5 Slot 7

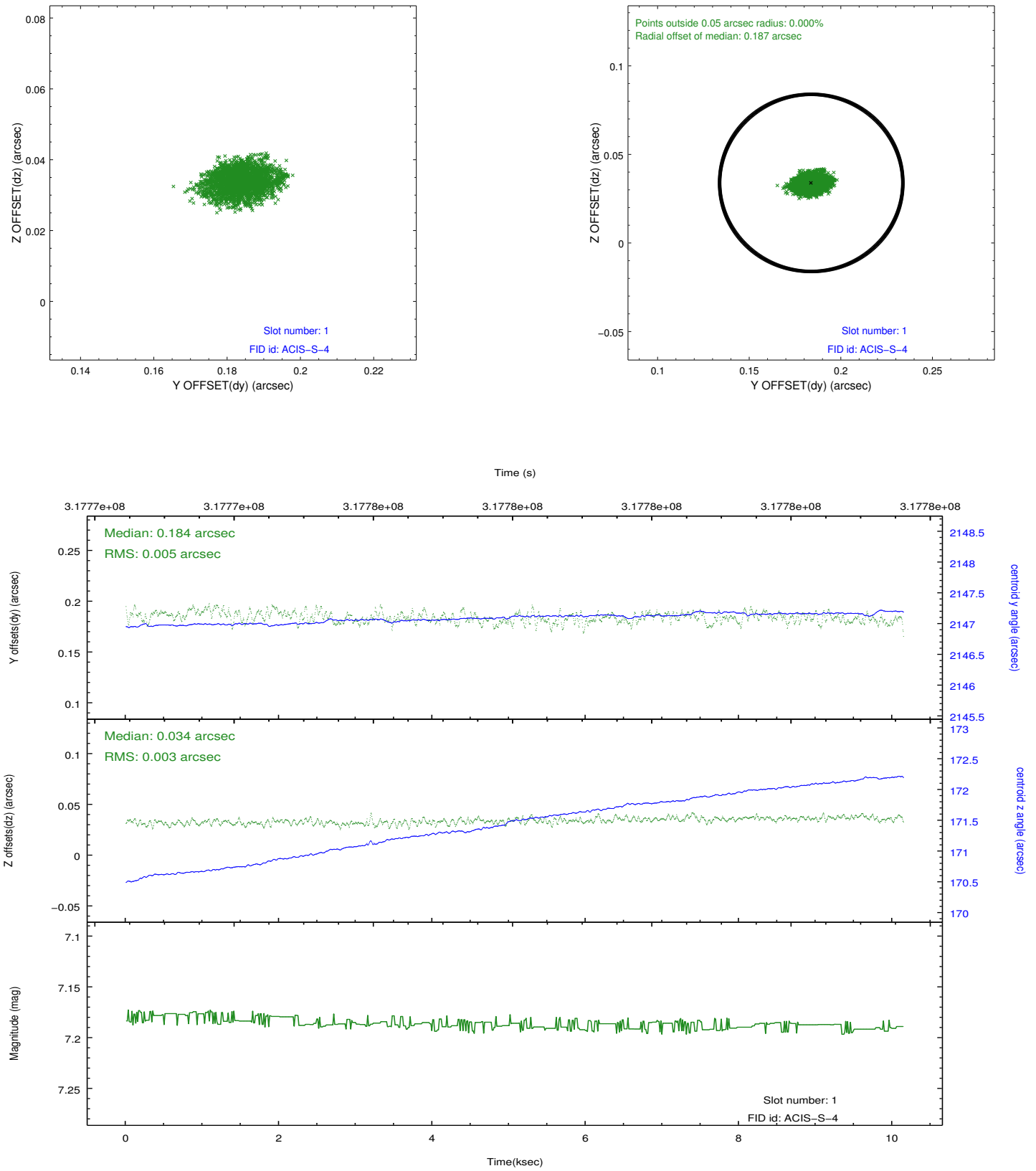


2.5 FID Slots

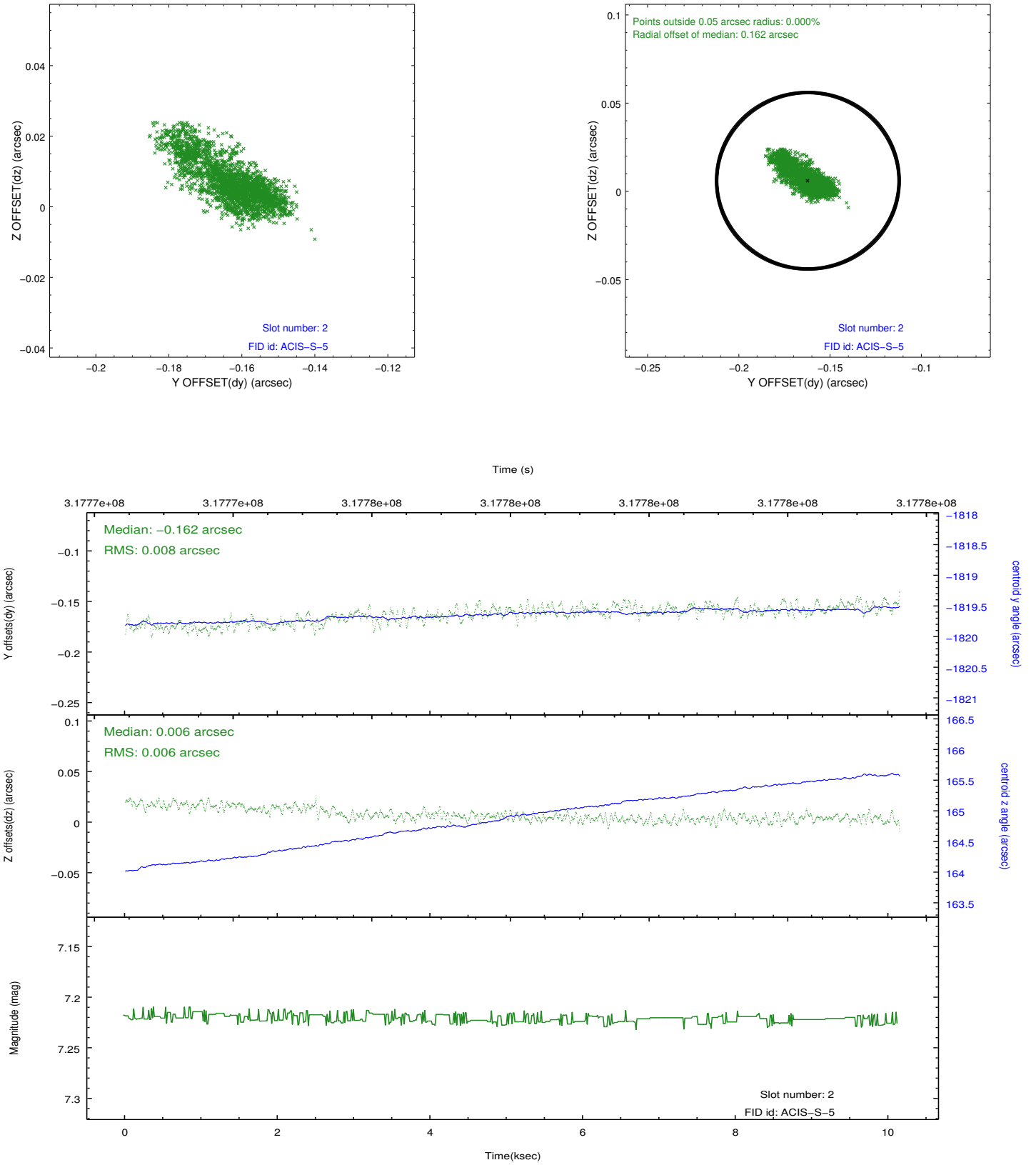
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1407999

A.2 Comments