

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10503 - L2 Version 2
Chandra X-Ray Center

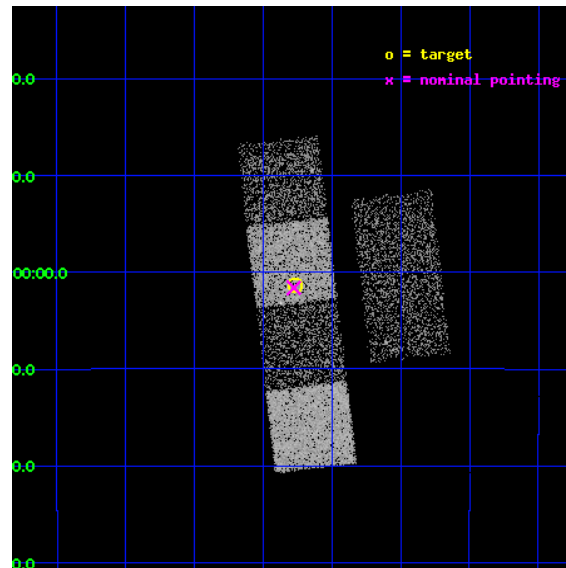
L2 Processing Date : Jun 11 2012

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1 Front

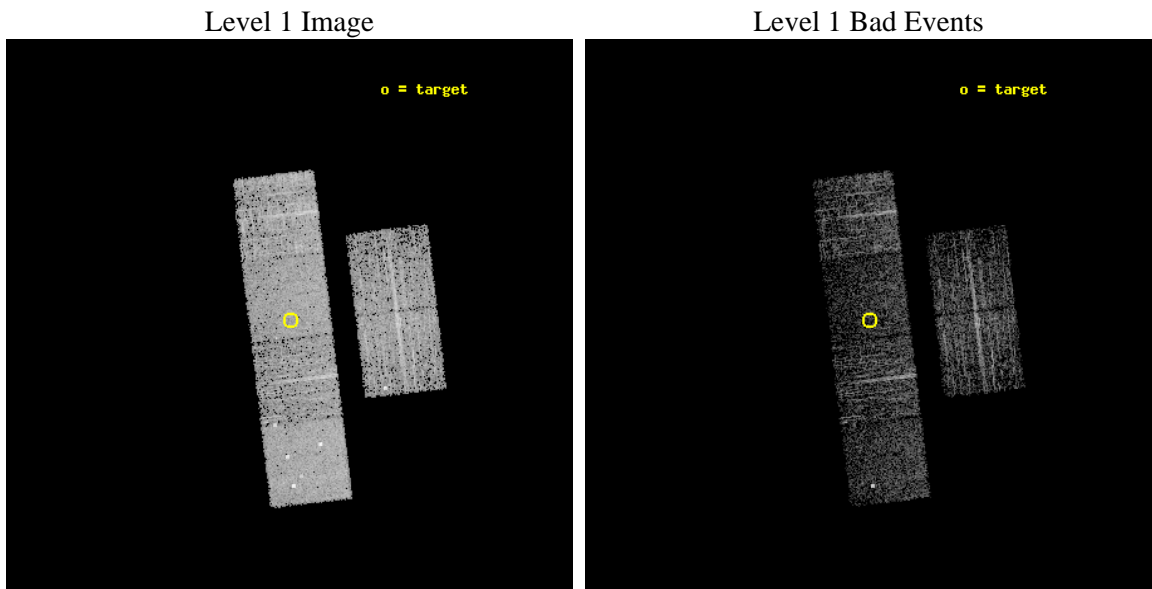
seq_num	900871	Sequence number
obs_id	10503	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J181915-1601	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.817083	Observer's specified target RA [deg]
dec_targ	-16.023	Observer's specified target Dec [deg]
ra_nom	274.81928583701	Nominal RA [deg]
dec_nom	-16.02721589131	Nominal Dec [deg]
roll_nom	263.1955487534	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2038.1790348291	Sum of GTIs [s]
livetime	2012.3703846461	Livetime [s]
ontime2	2038.2200748324	Sum of GTIs [s]
ontime3	2038.0559148192	Sum of GTIs [s]
ontime5	2038.1379948258	Sum of GTIs [s]
ontime6	2038.0969548225	Sum of GTIs [s]
ontime7	2038.1790348291	Sum of GTIs [s]
ontime8	2038.0148748159	Sum of GTIs [s]
l2events	27987	Number of level 2 events



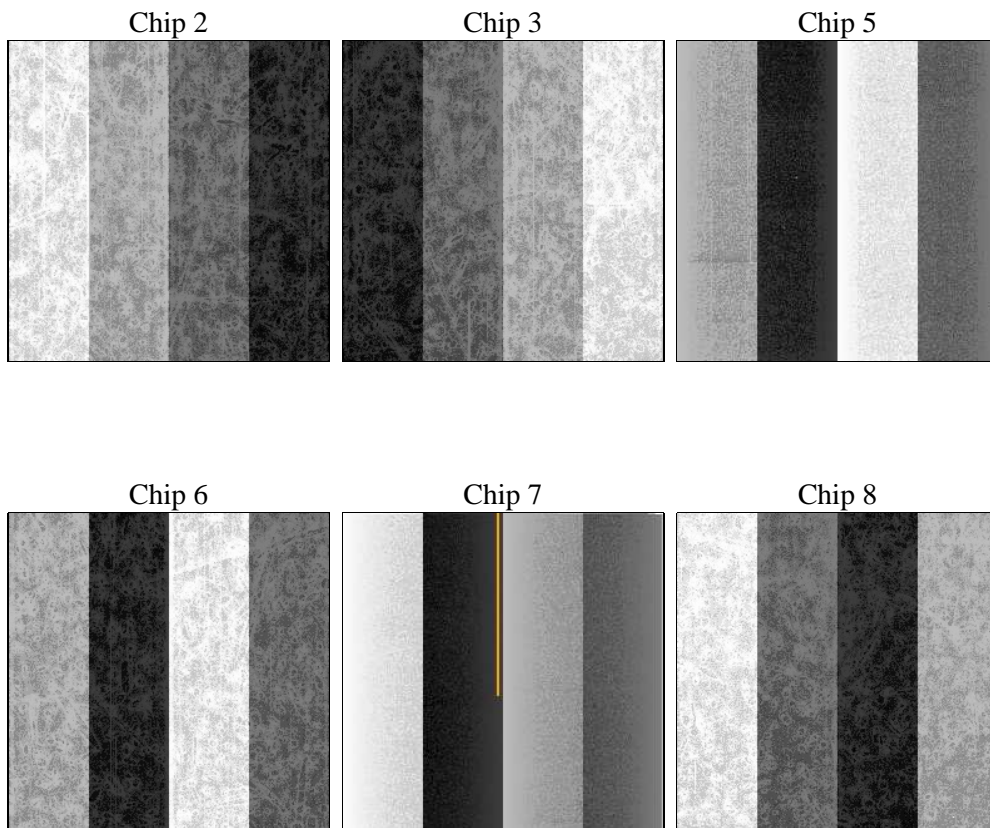
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2038.1790348291	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	2038.2200748324	Sum of GTIs [s]
date	2012-06-11T13:56:23	Date and time of file creation	ontime3	2038.0559148192	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2038.1379948258	Sum of GTIs [s]
			ontime6	2038.0969548225	Sum of GTIs [s]
			ontime7	2038.1790348291	Sum of GTIs [s]
			ontime8	2038.0148748159	Sum of GTIs [s]
			l1events	123575	Number of level 1 events

2.1.4 Events

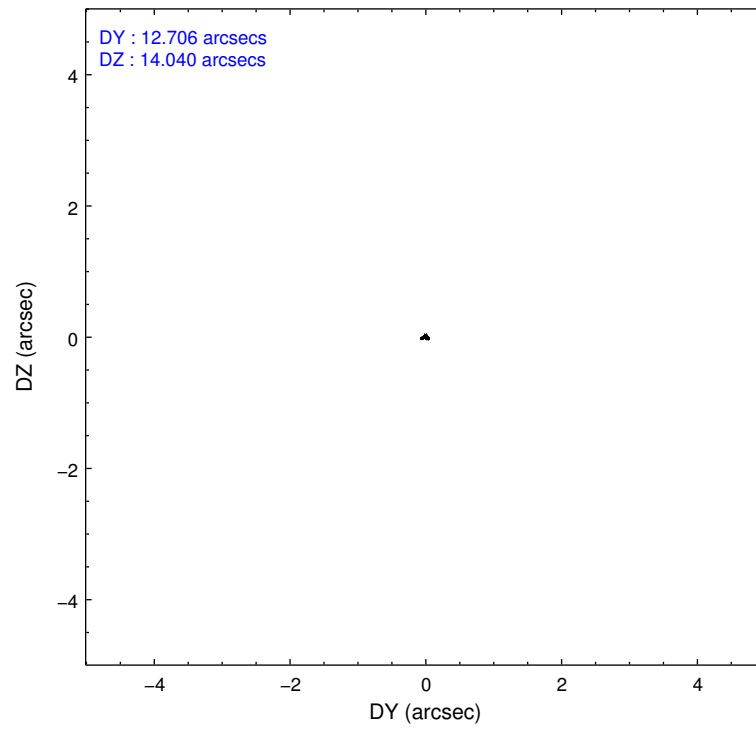
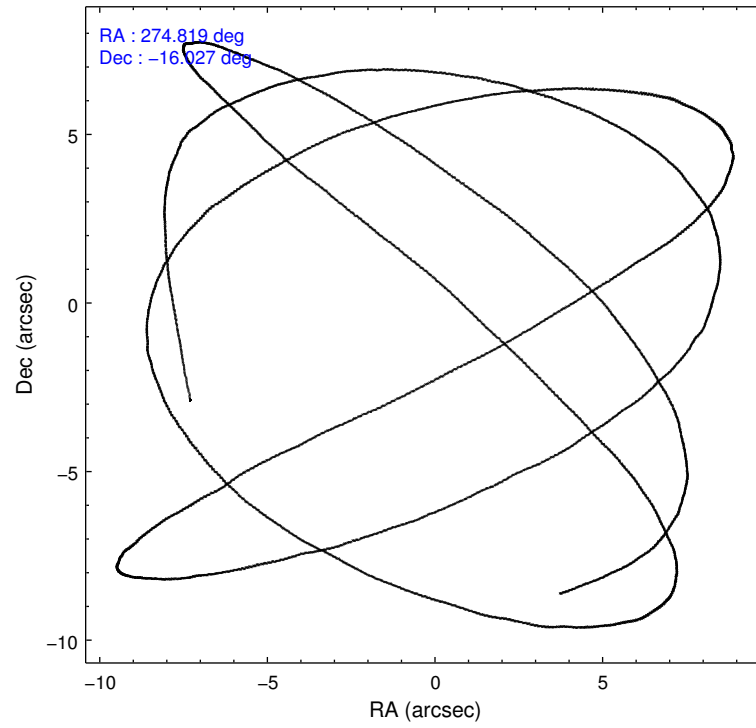
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19474	16054	26535	17696	20424	23392
rejected events	17180	14266	13045	15506	11093	17300
rejected %	88%	88%	49%	87%	54%	73%

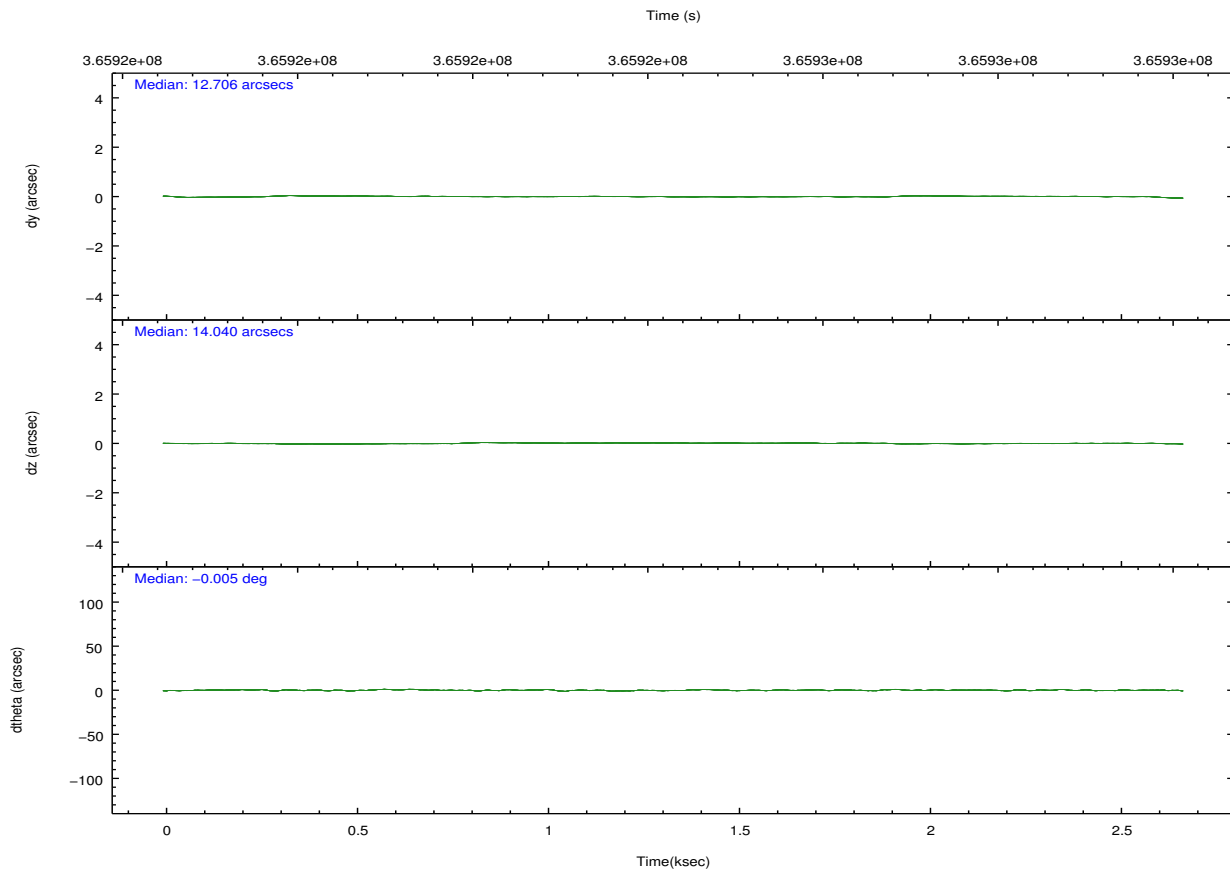
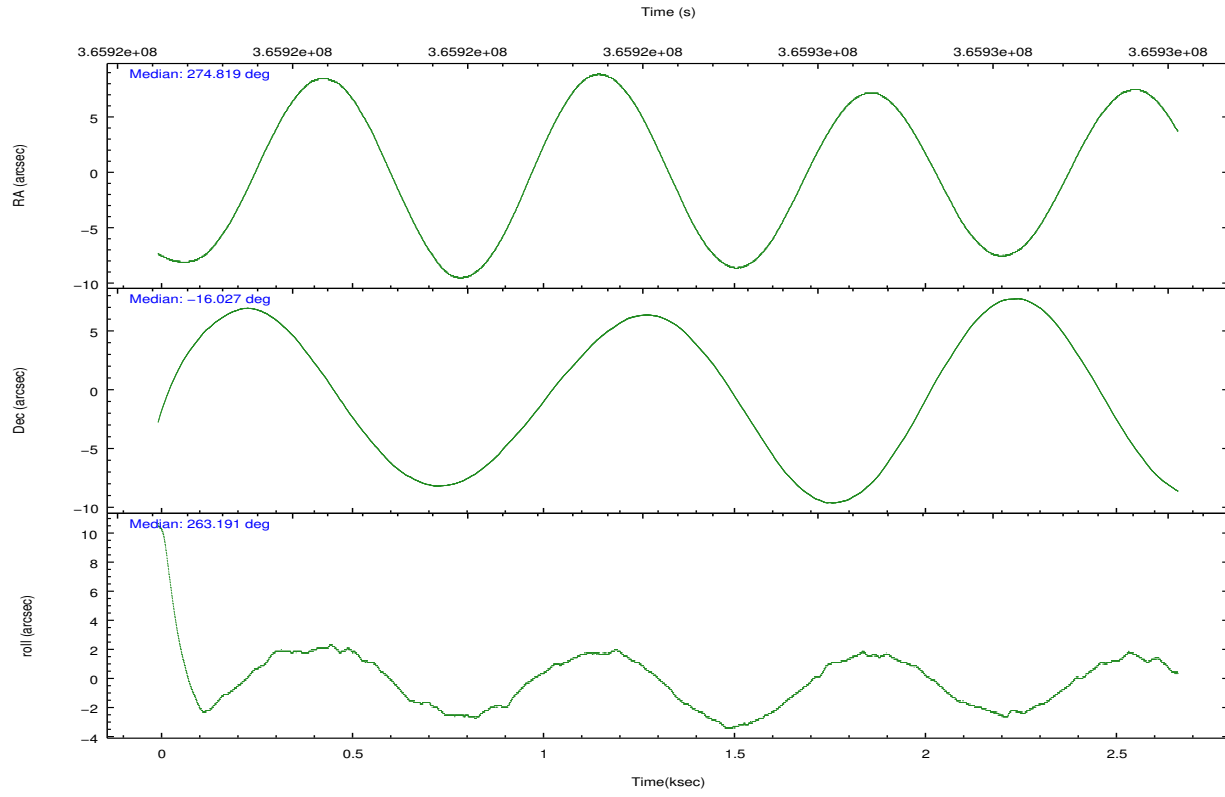
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1168	696	1973	900	897	1852
	5%	4%	7%	5%	4%	7%
grade 1 events	23	9	64	4	26	21
	0%	0%	0%	0%	0%	0%
grade 2 events	439	363	3923	465	2025	1382
	2%	2%	14%	2%	9%	5%
grade 3 events	162	181	525	217	841	665
	0%	1%	1%	1%	4%	2%
grade 4 events	171	202	479	187	823	633
	0%	1%	1%	1%	4%	2%
grade 5 events	586	734	1948	733	1969	1070
	3%	4%	7%	4%	9%	4%
grade 6 events	357	350	6610	422	4763	1575
	1%	2%	24%	2%	23%	6%
grade 7 events	16568	13519	11013	14768	9080	16194
	85%	84%	41%	83%	44%	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	274.807648	274.8192858370147	CCD I2 on	O2	Y
[deg] Pointing Dec	-16.002416	-16.02721589131043	CCD I3 on	O3	Y
[deg] Pointing Roll	263.035673	263.1955487534026	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	O4	Y
[s] Observation start time (MET)	365924406.184000	365923153.83179	CCD S5 on	N	N
Observation start date	2009-08-06T05:39:00	2009-08-06T05:19:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	365926406.184000	365926632.68197	On-chip summing requested	N	N
Observation end date	2009-08-06T06:12:20	2009-08-06T06:17:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



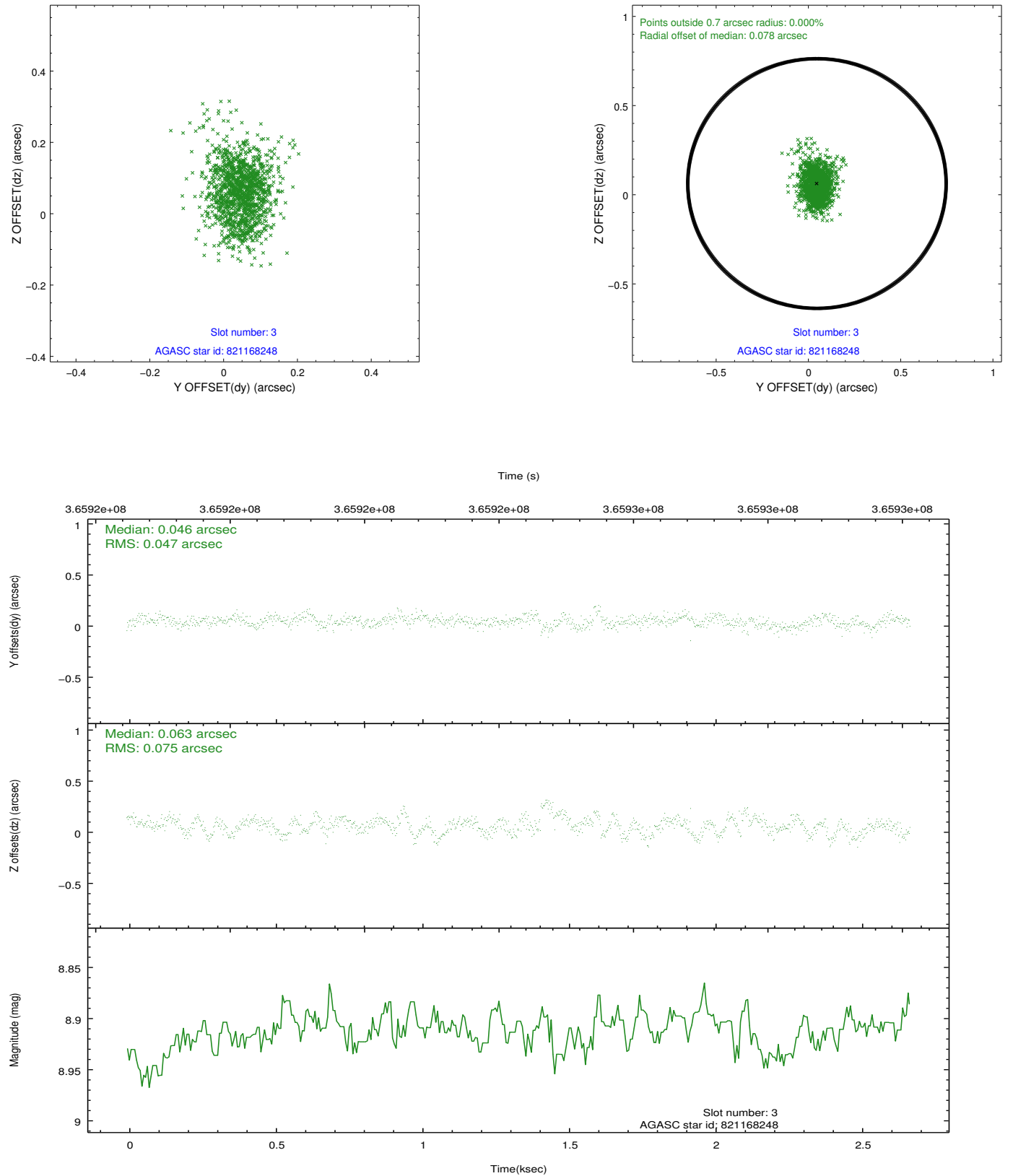


Slot Statistics

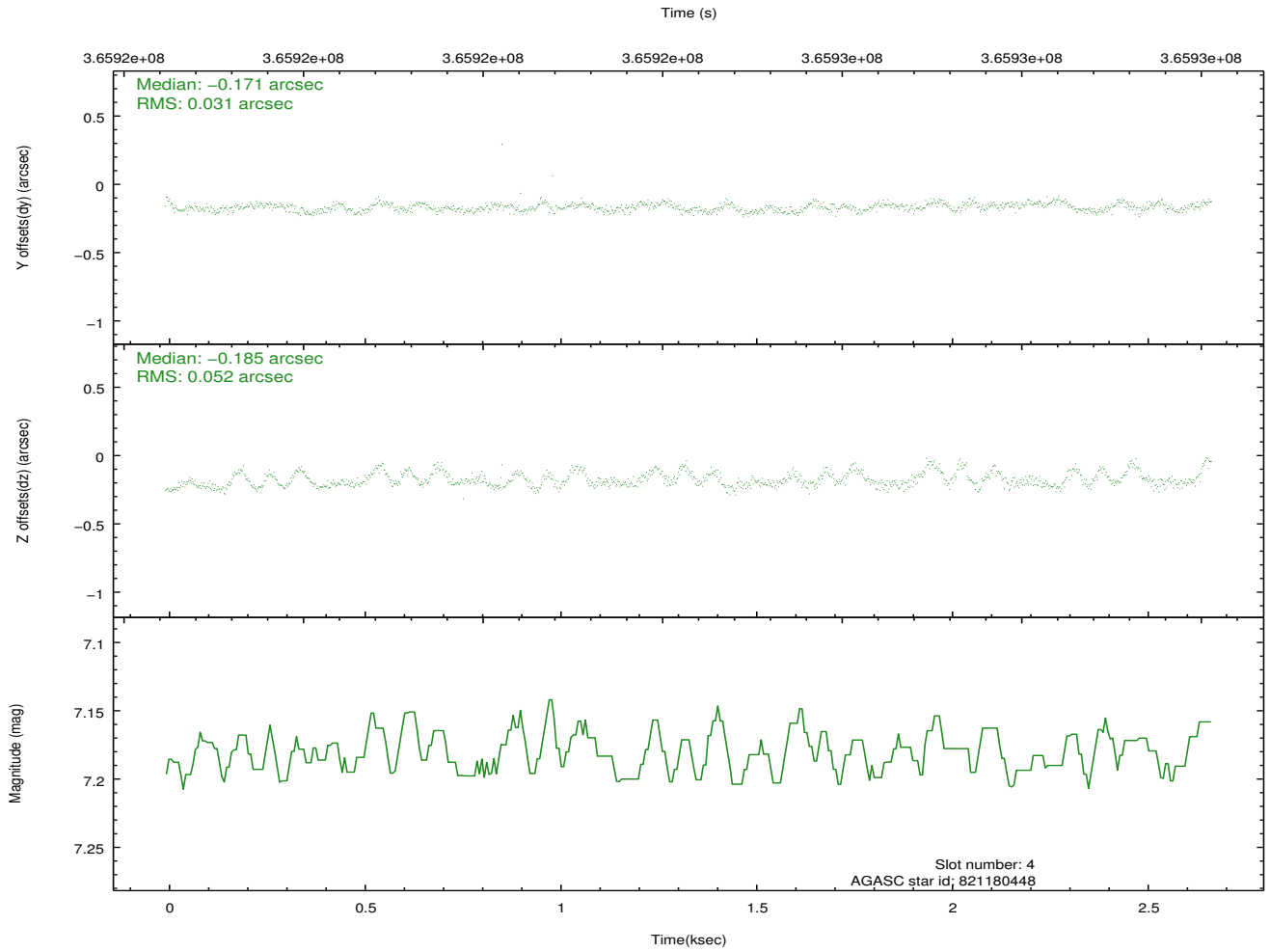
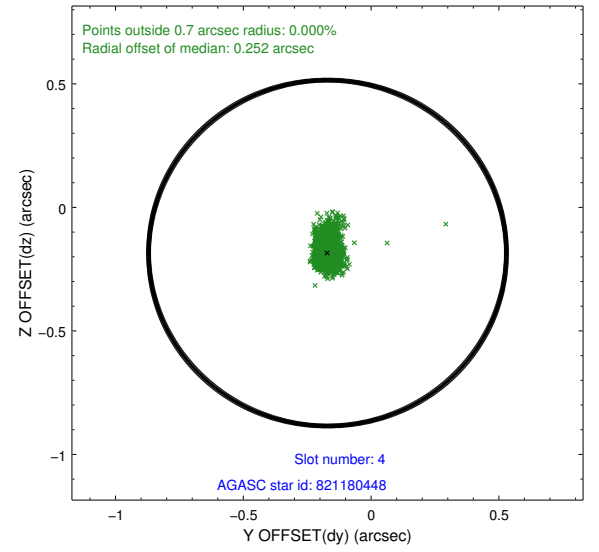
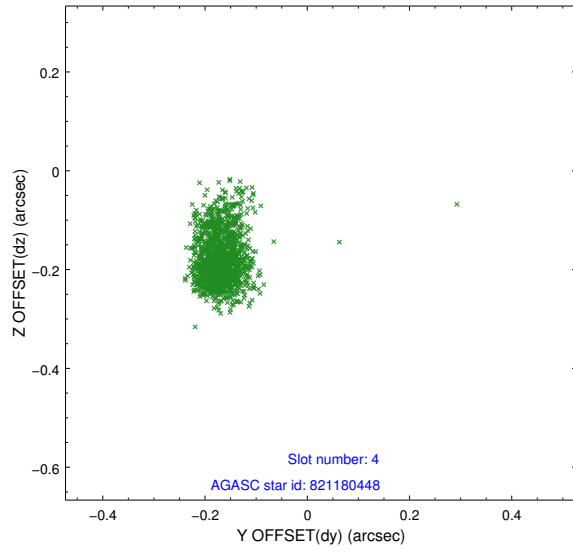
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.00	652	-0.034	-0.041	0.008	0.014	0.000000	0.000000	-765.63	-1735.44
1	FID	ACIS-S-4	7.09	652	0.141	0.028	0.009	0.016	0.000000	0.000000	2146.70	170.64
2	FID	ACIS-S-5	7.13	652	-0.138	0.022	0.008	0.016	0.000000	0.000000	-1815.50	167.01
3	GUIDE	821168248	8.91	1304	0.046	0.063	0.091	0.159	274.322211	-15.621827	-1152.90	-1836.52
4	GUIDE	821180448	7.18	1304	-0.171	-0.185	0.059	0.110	275.453560	-16.324585	883.88	2354.67
5	GUIDE	821183504	8.39	1304	0.240	-0.087	0.076	0.127	274.206900	-16.517860	2098.38	-1830.95
6	GUIDE	821186736	7.96	1304	0.023	-0.034	0.055	0.092	274.765126	-16.656680	2358.34	138.80
7	GUIDE	821175360	8.54	1303	-0.136	0.235	0.059	0.096	275.121622	-15.398191	-2287.94	818.29

2.4 Star Slots

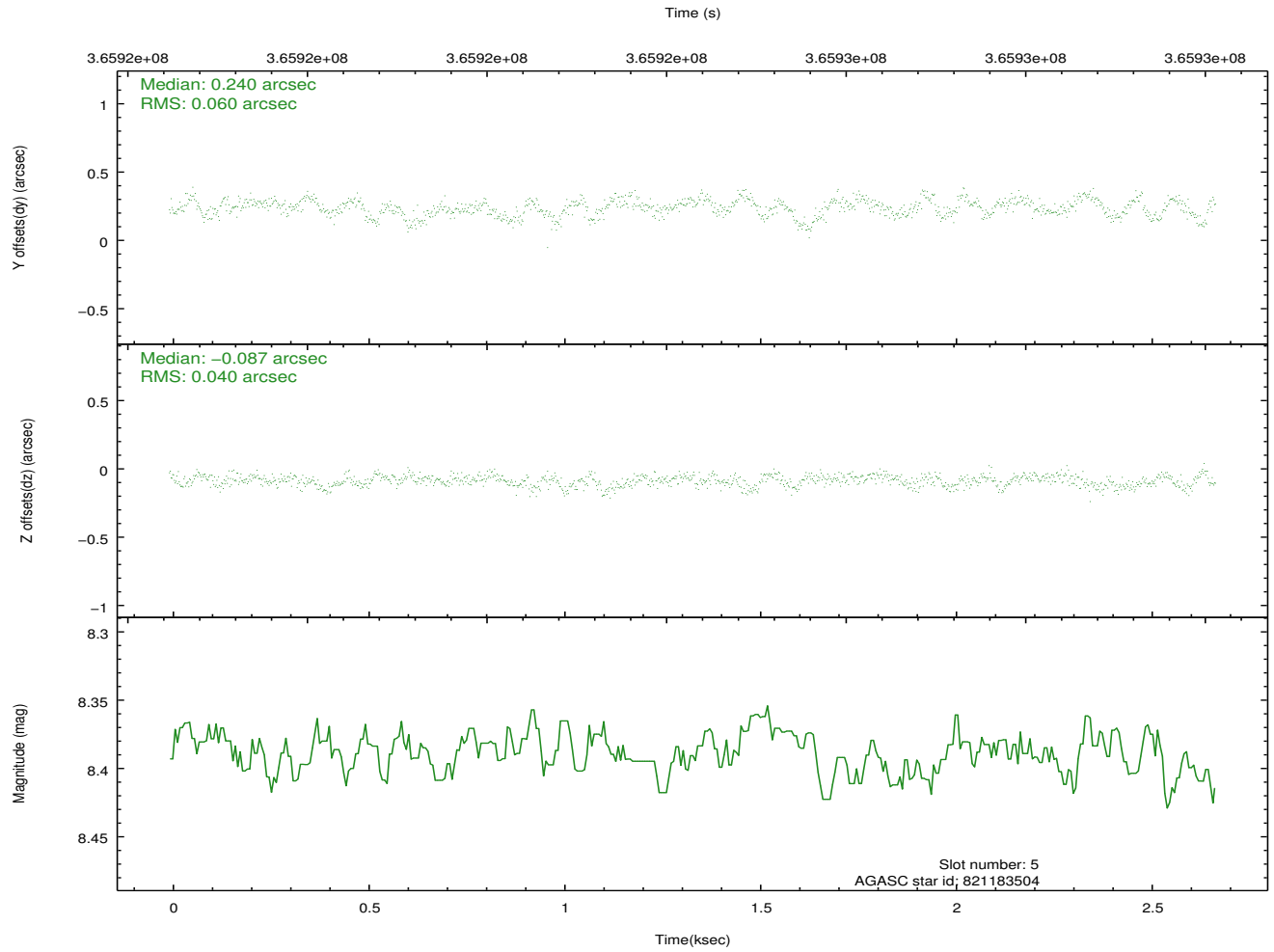
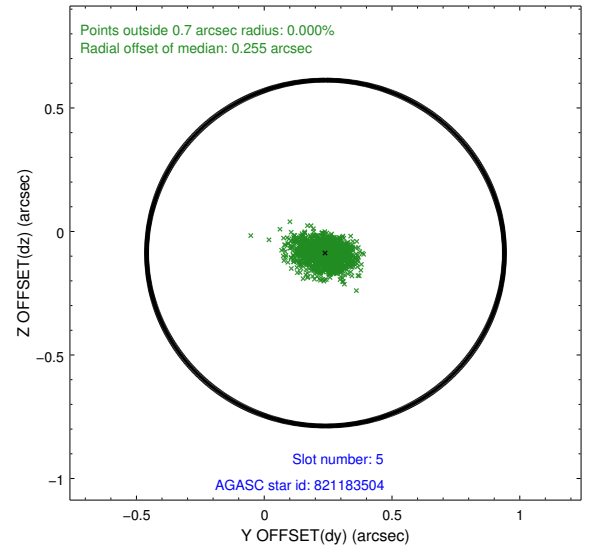
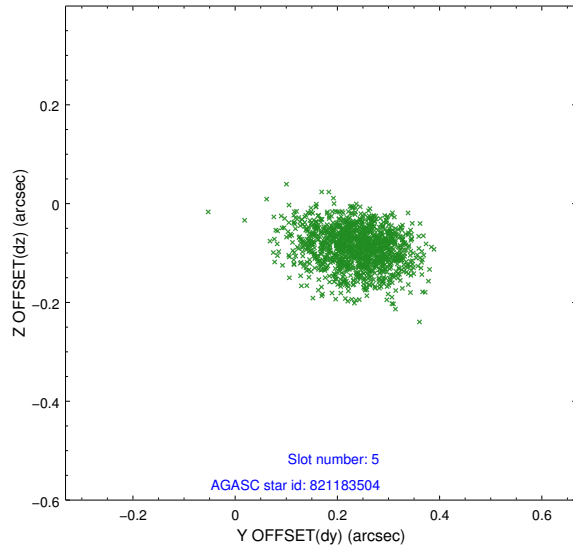
2.4.1 Slot 3



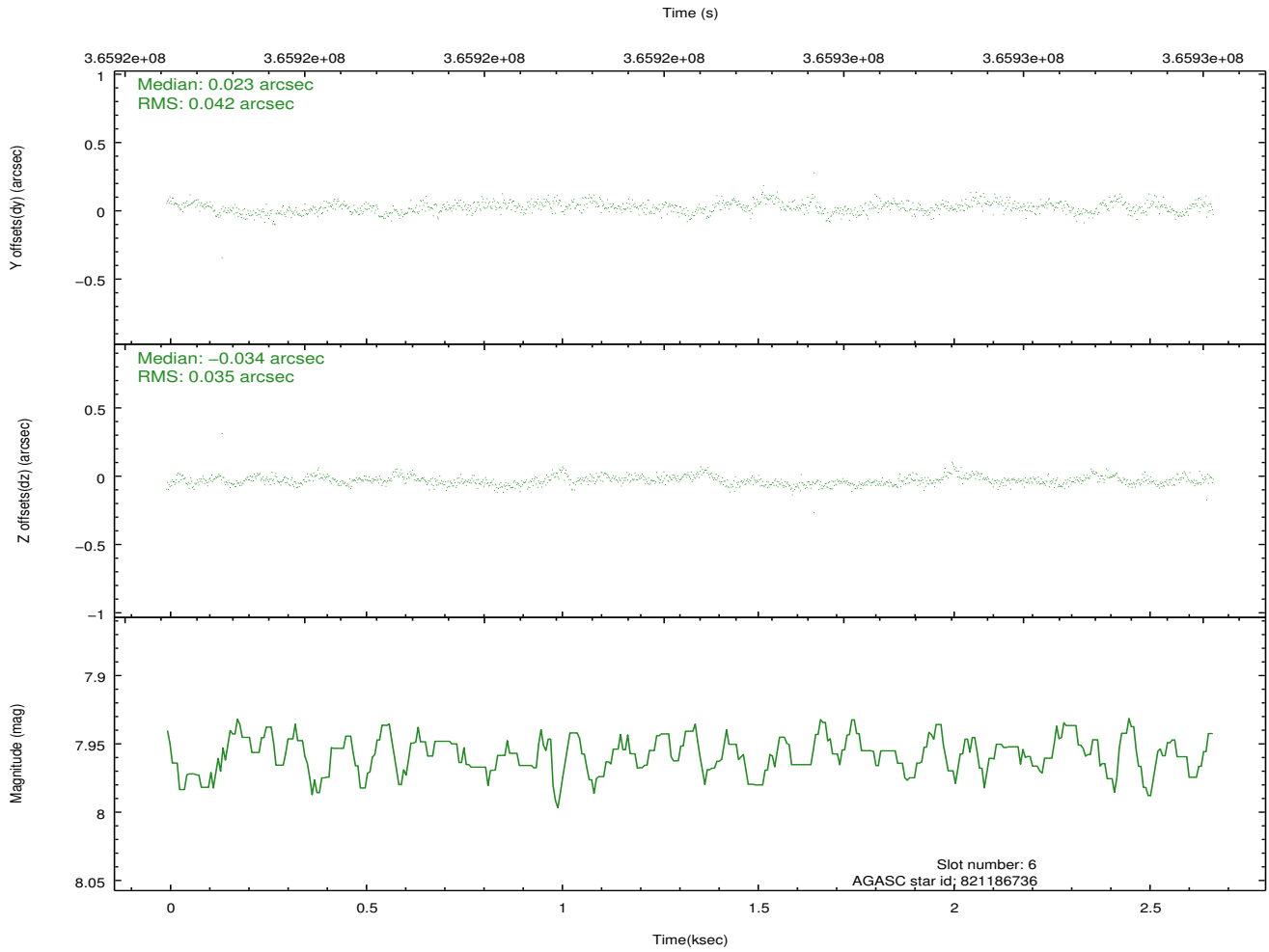
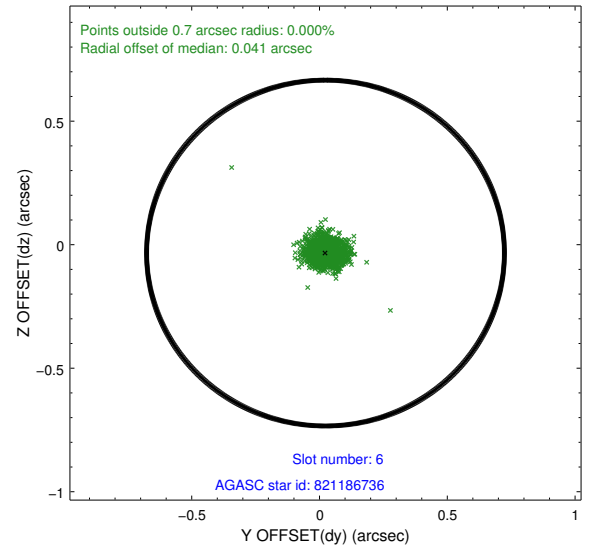
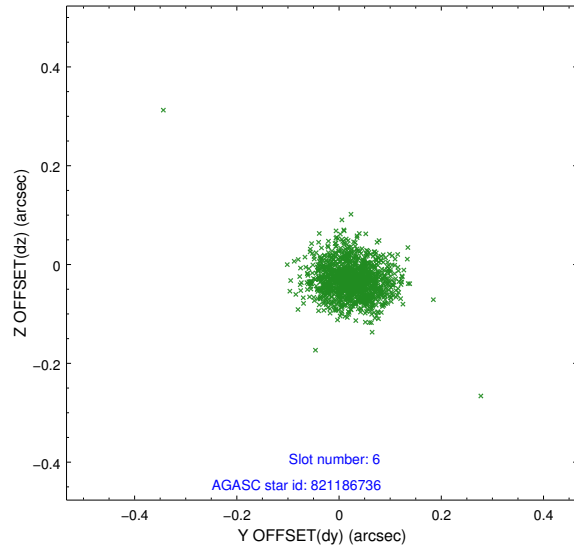
2.4.2 Slot 4



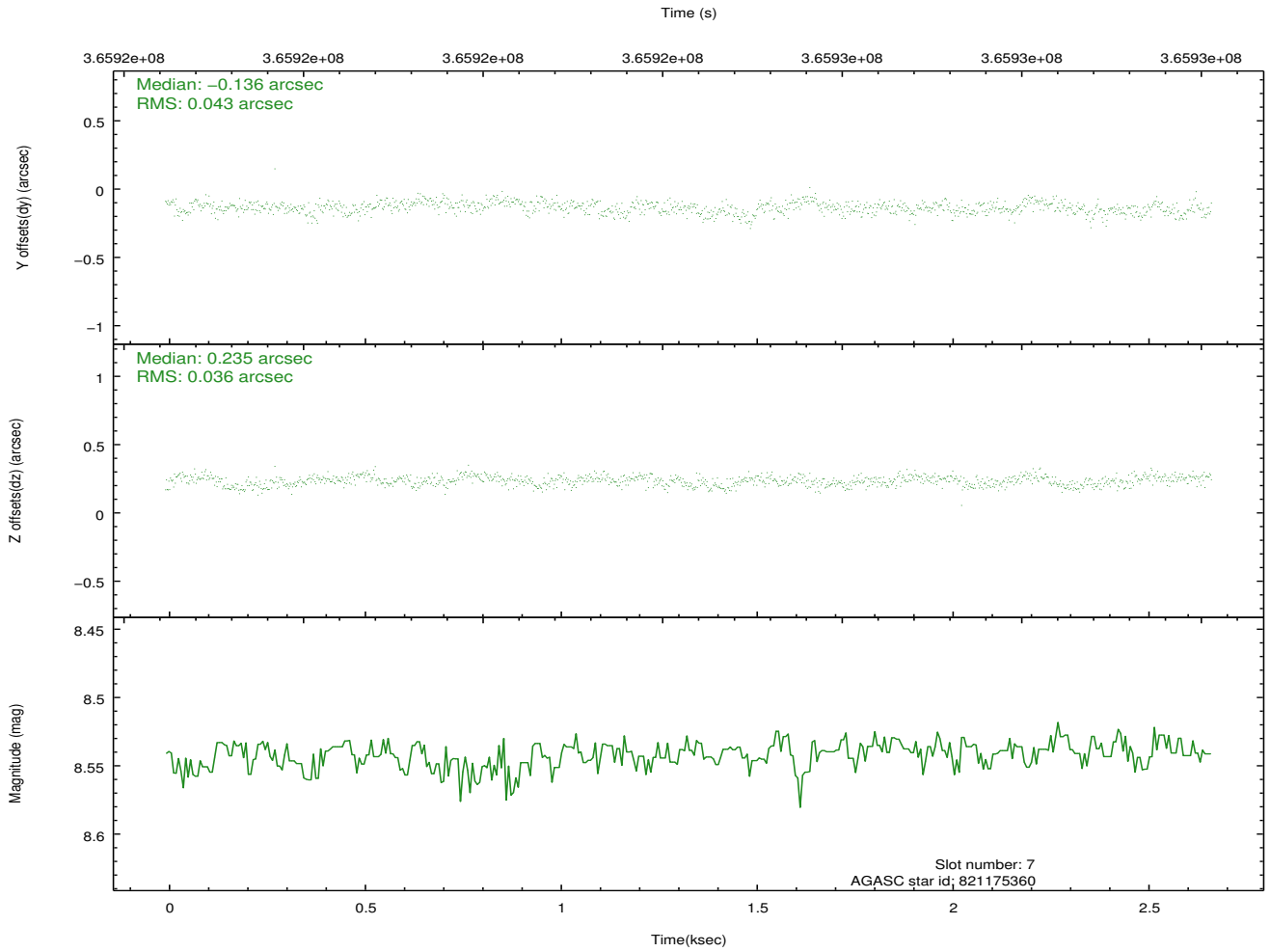
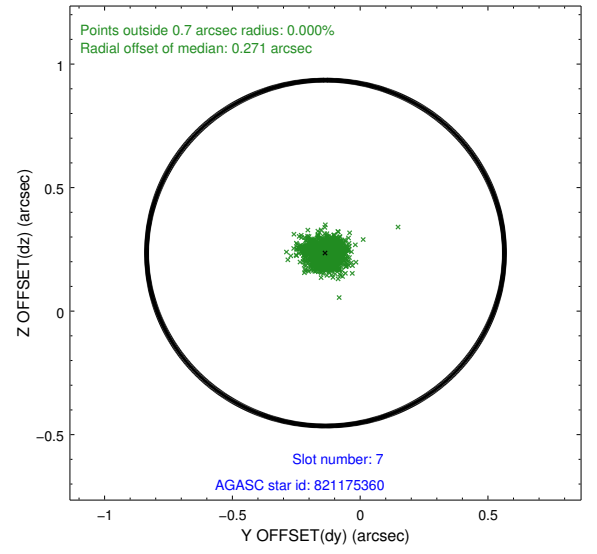
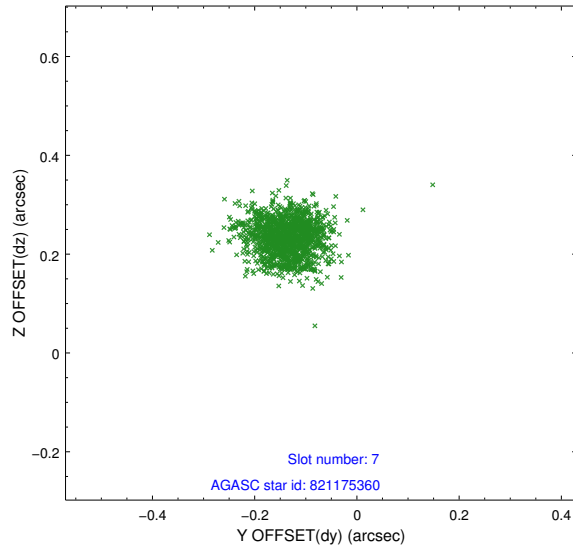
2.4.3 Slot 5



2.4.4 Slot 6

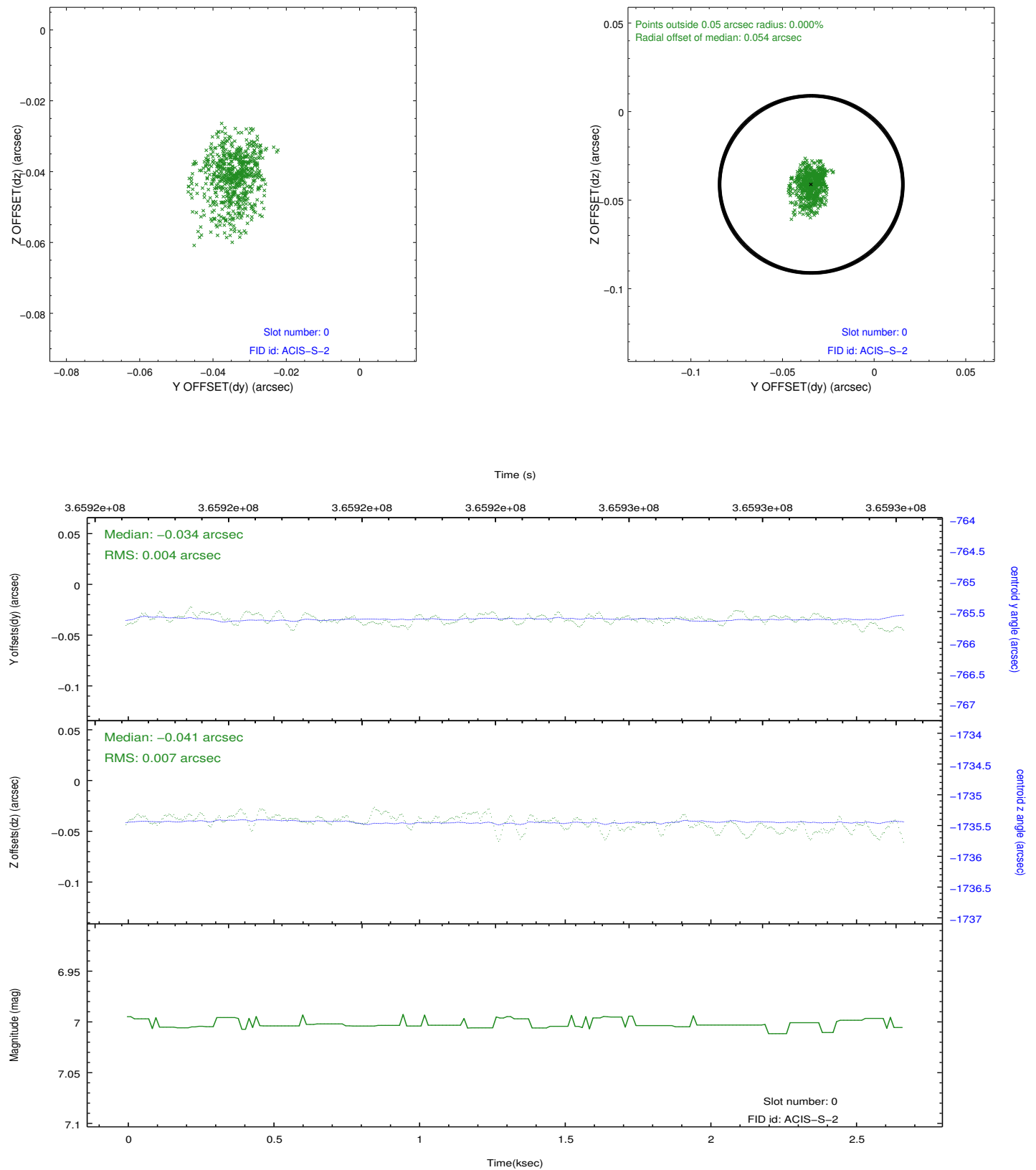


2.4.5 Slot 7

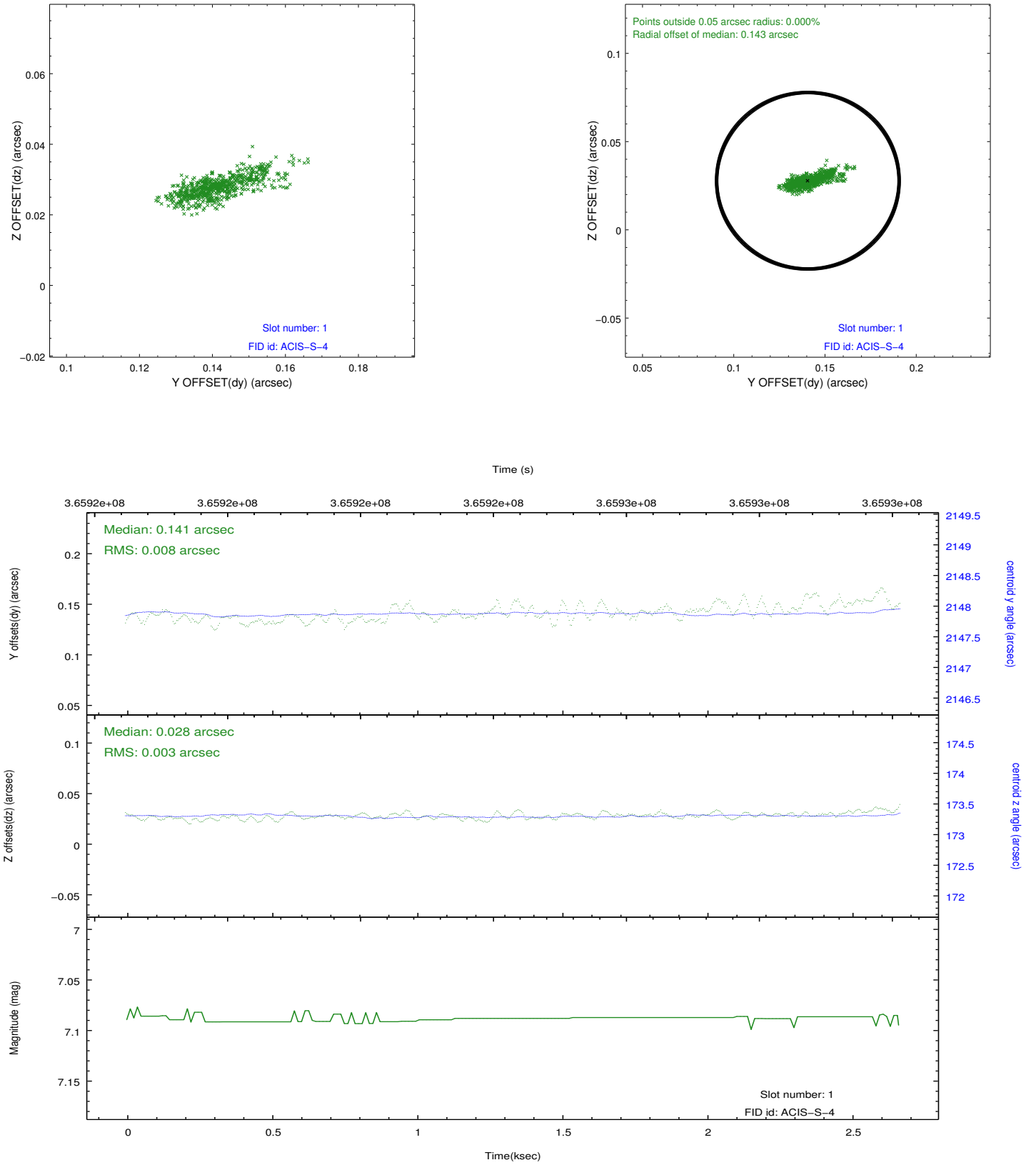


2.5 FID Slots

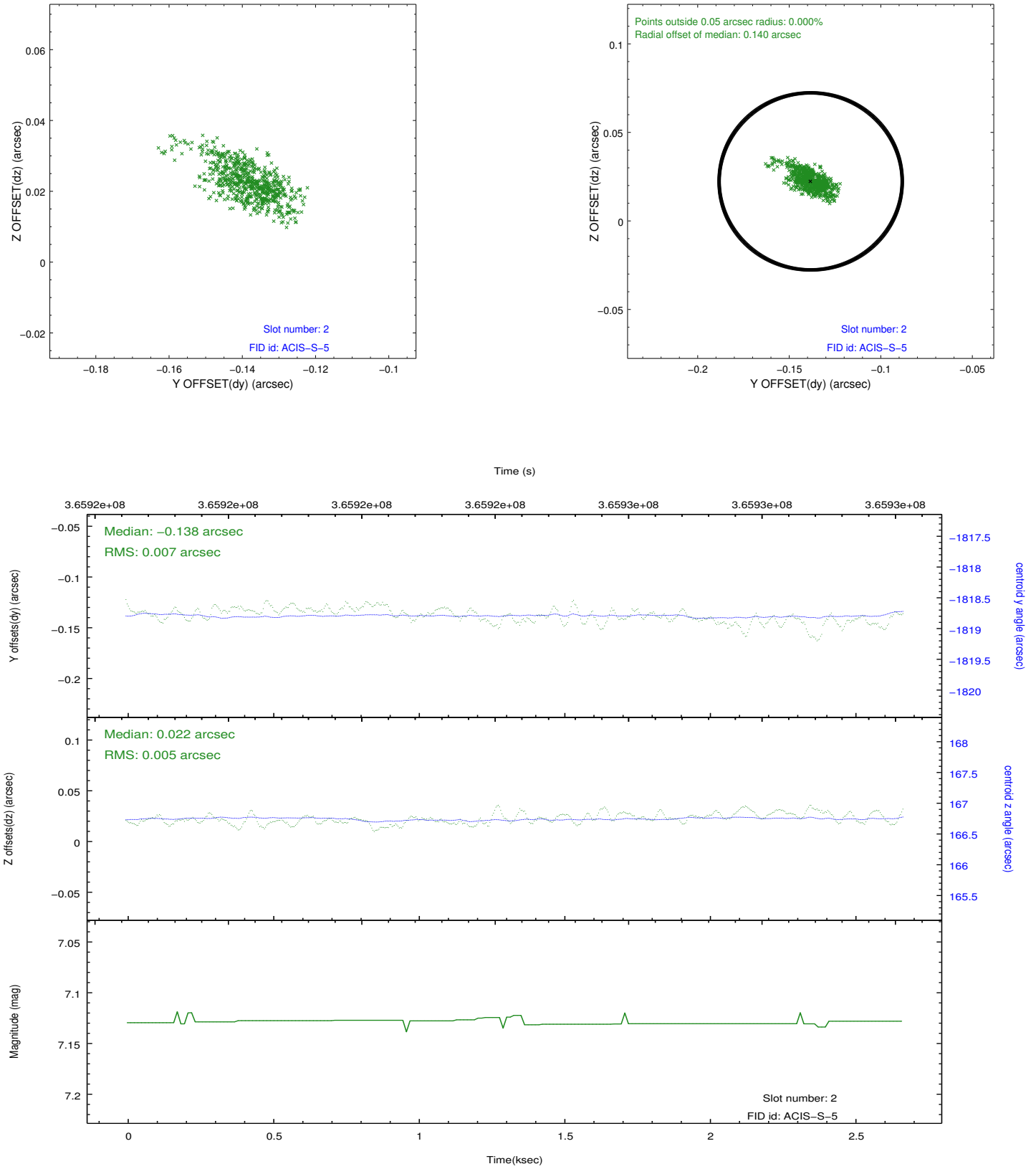
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03817904

A.2 Comments