

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7727 - L2 Version 3
Chandra X-Ray Center

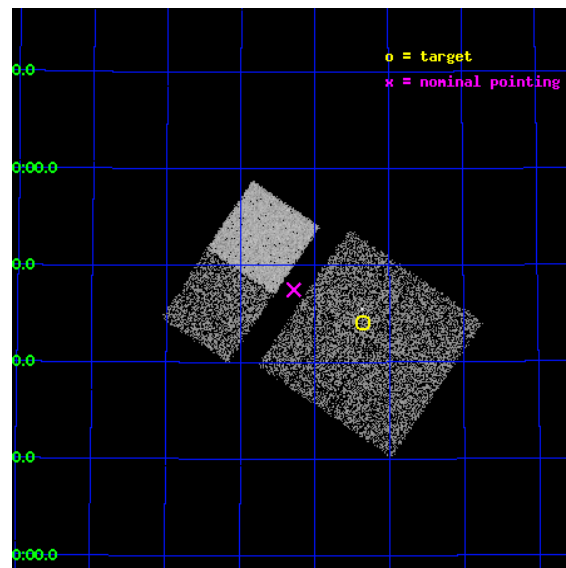
L2 Processing Date : Apr 18 2012

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1 Front

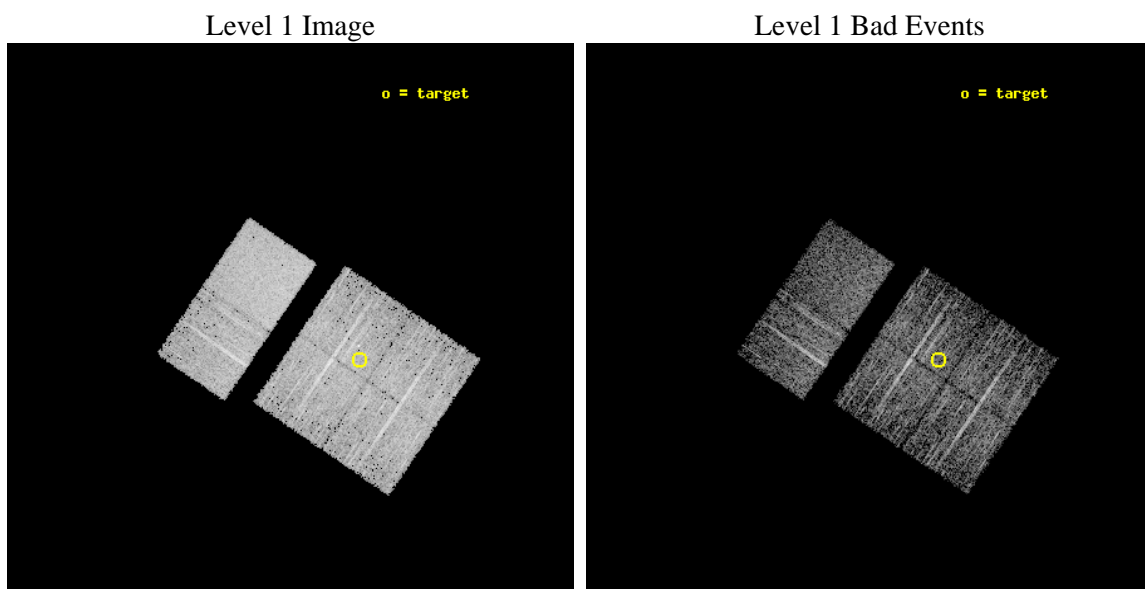
seq_num	701395	Sequence number
obs_id	7727	Observation id
title	Search for strongly obscured AGN: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IGR J23523+5844	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	358.087917	Observer's specified target RA [deg]
dec_targ	58.735	Observer's specified target Dec [deg]
ra_nom	358.32067099772	Nominal RA [deg]
dec_nom	58.791695182577	Nominal Dec [deg]
roll_nom	304.26593574646	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3260.4277058244	Sum of GTIs [s]
livetime	3219.1422070194	Livetime [s]
ontime0	3260.5508059263	Sum of GTIs [s]
ontime1	3260.3456258178	Sum of GTIs [s]
ontime2	3260.3866658211	Sum of GTIs [s]
ontime3	3260.4277058244	Sum of GTIs [s]
ontime6	3260.4687458277	Sum of GTIs [s]
ontime7	3260.509765923	Sum of GTIs [s]
l2events	32408	Number of level 2 events



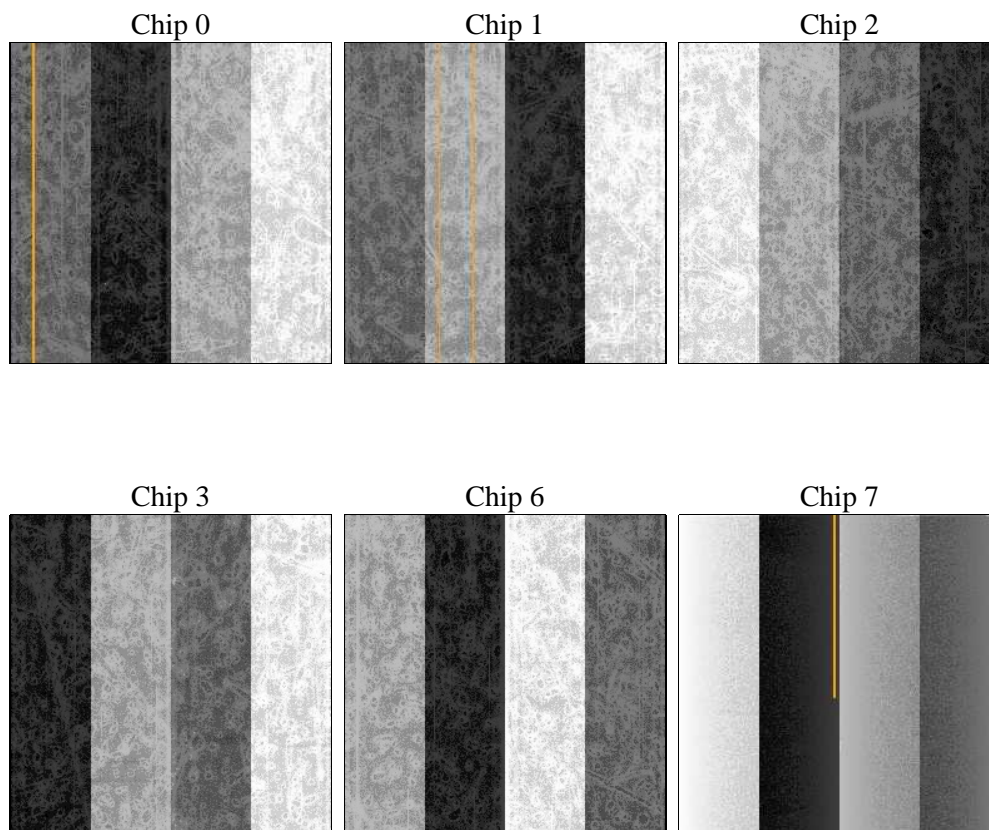
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3260.4277058244	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	3260.5508059263	Sum of GTIs [s]
date	2012-04-18T12:13:36	Date and time of file creation	ontime1	3260.3456258178	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3260.3866658211	Sum of GTIs [s]
			ontime3	3260.4277058244	Sum of GTIs [s]
			ontime6	3260.4687458277	Sum of GTIs [s]
			ontime7	3260.509765923	Sum of GTIs [s]
			l1events	185967	Number of level 1 events

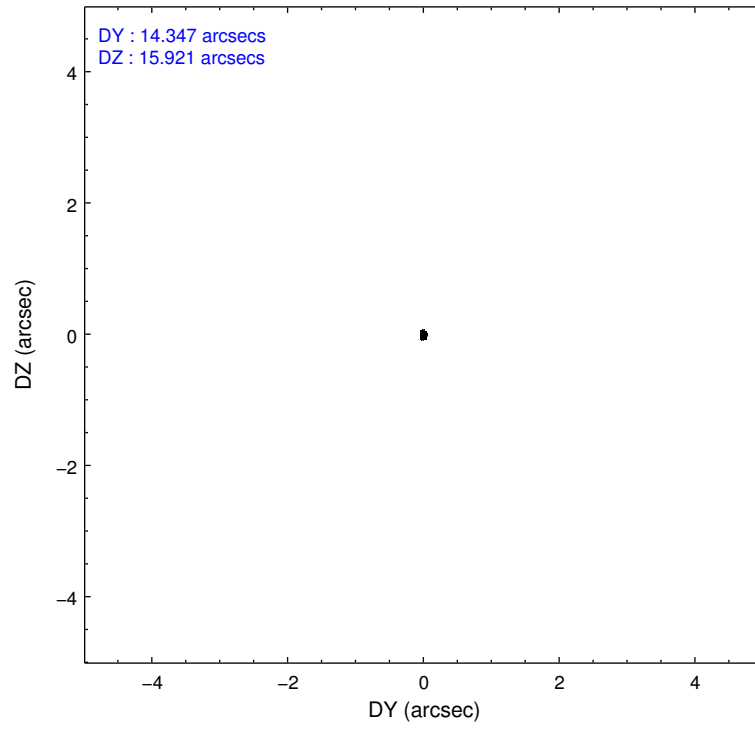
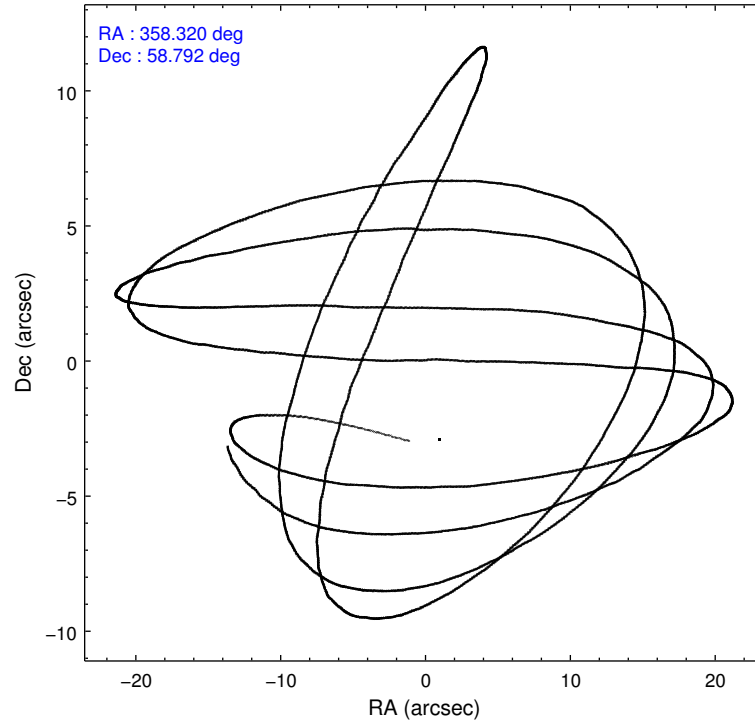
2.1.4 Events

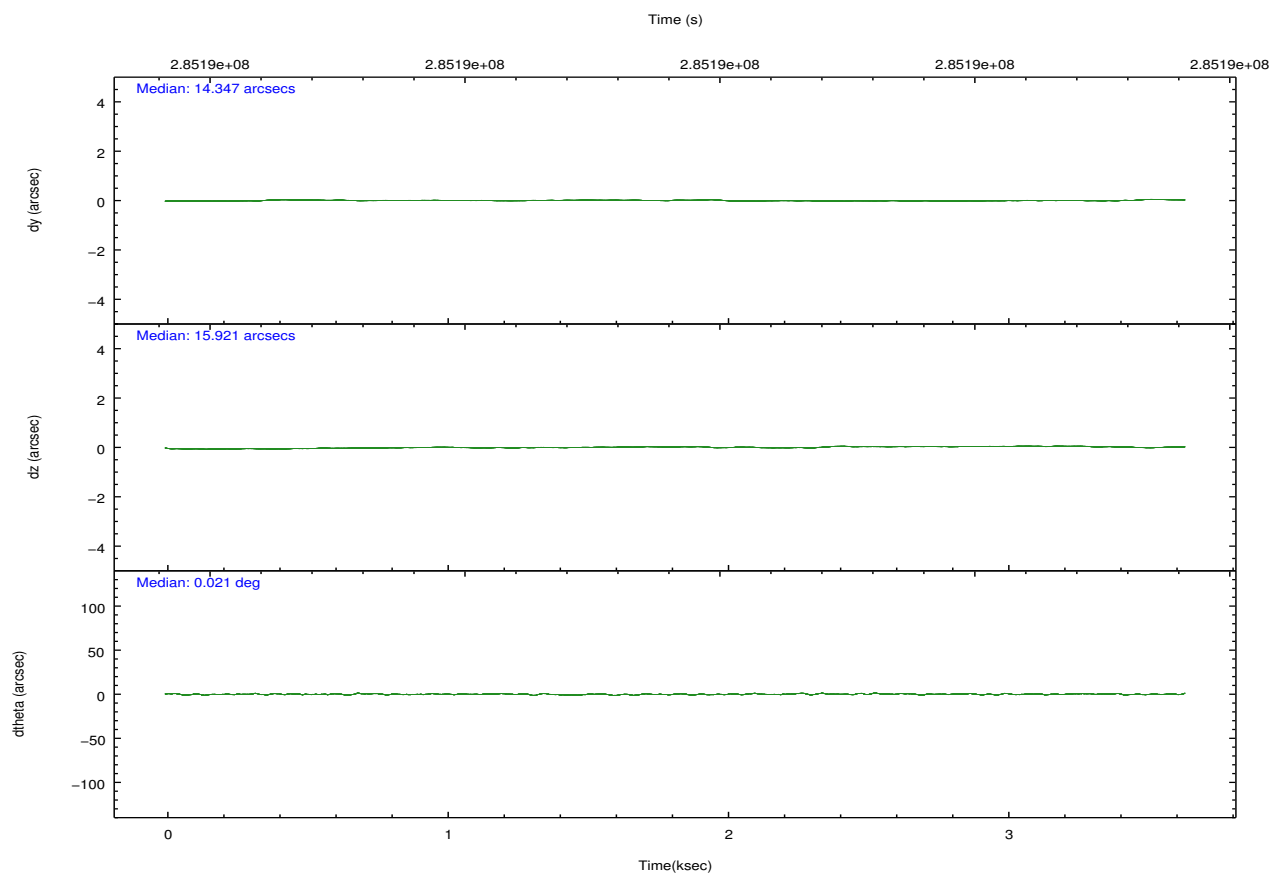
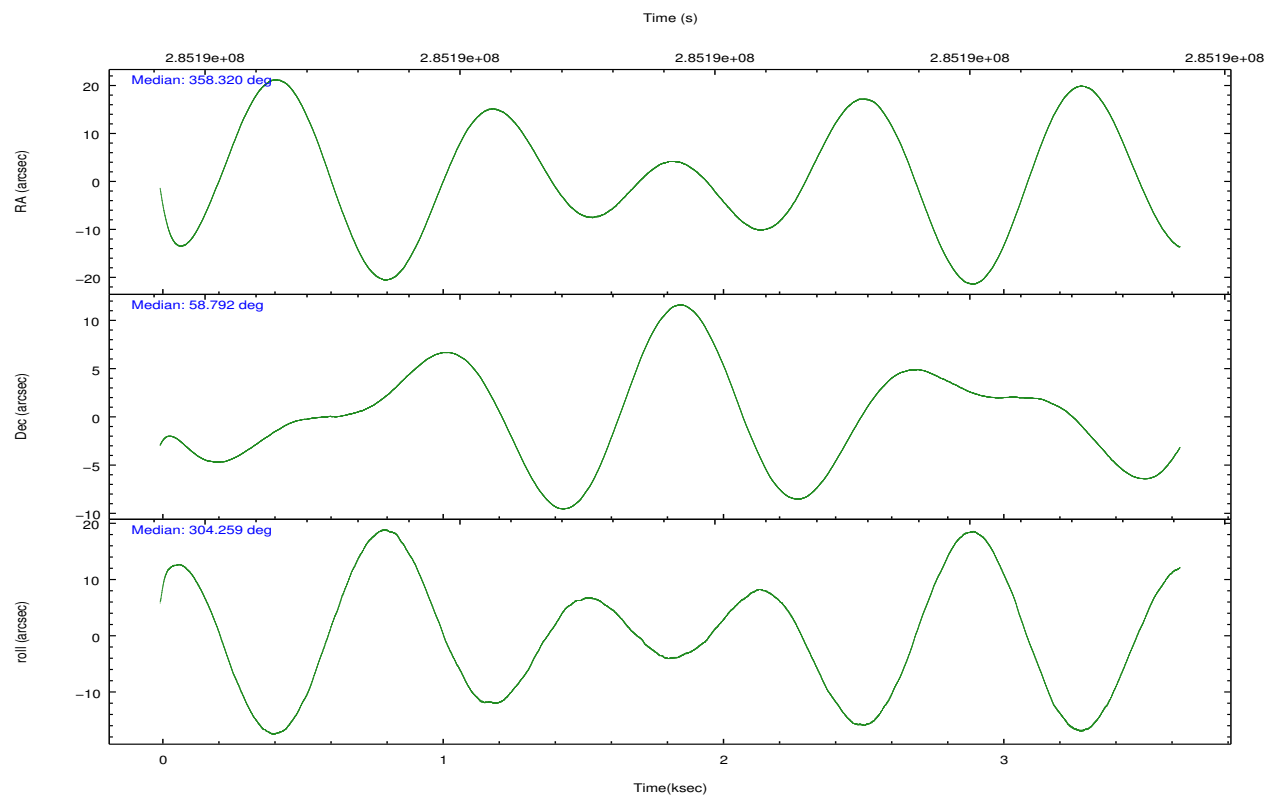
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	28750	27821	29906	28501	30540	40449	grade 0 events	1531	1438	1682	1675	1438	1410
rejected events	25088	24096	26278	24834	26882	23536		5%	5%	5%	5%	4%	3%
rejected %	87%	86%	87%	87%	88%	58%	grade 1 events	20	10	21	23	13	54
								0%	0%	0%	0%	0%	0%
							grade 2 events	843	846	660	660	766	3399
								2%	3%	2%	2%	2%	8%
							grade 3 events	322	346	376	371	360	1444
								1%	1%	1%	1%	1%	3%
							grade 4 events	329	332	317	356	349	1382
								1%	1%	1%	1%	1%	3%
							grade 5 events	1288	1249	1127	1263	1445	3966
								4%	4%	3%	4%	4%	9%
							grade 6 events	639	765	594	608	748	9297
								2%	2%	1%	2%	2%	22%
							grade 7 events	23778	22835	25129	23545	25421	19497
								82%	82%	84%	82%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	358.272662	358.3206709977245	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.803395	58.79169518257653	Alternating exposures requested	N	N
[deg] Pointing Roll	304.150356	304.2659357464557	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.09952569084879603			
[mm] SIM translation stage pos	-207.132523	-207.1368374884175			
[mm] SIM translation stage offset	17	-26.4556155145122			
[s] Observation start time (MET)	285190145.184000	285188843.69906			
Observation start date	2007-01-14T19:28:00	2007-01-14T19:07:23			
[s] Observation end time (MET)	285193645.184000	285194082.47431			
Observation end date	2007-01-14T20:26:20	2007-01-14T20:34:42			
Read mode	TIMED	TIMED			

2.3 Aspect



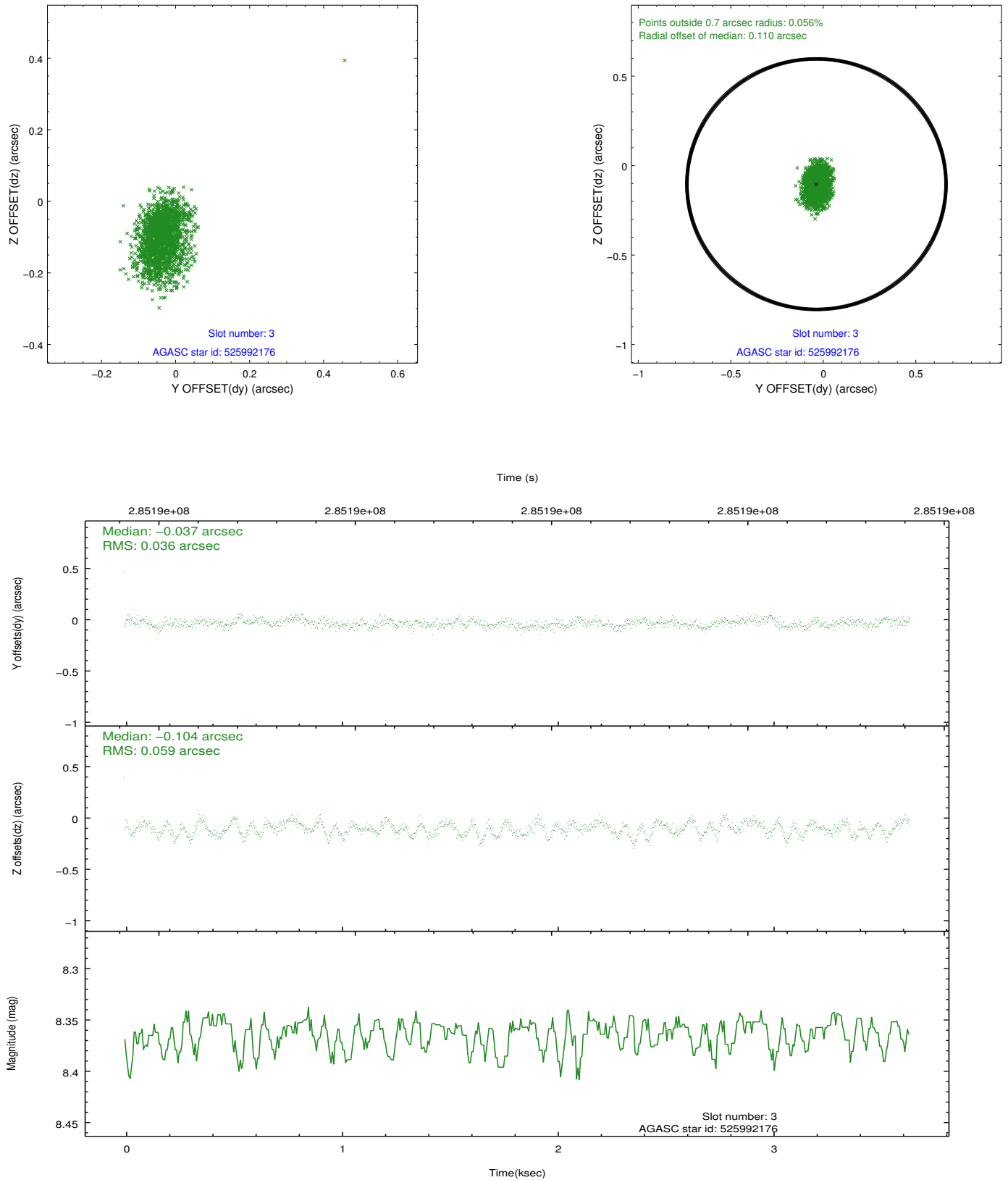


Slot Statistics

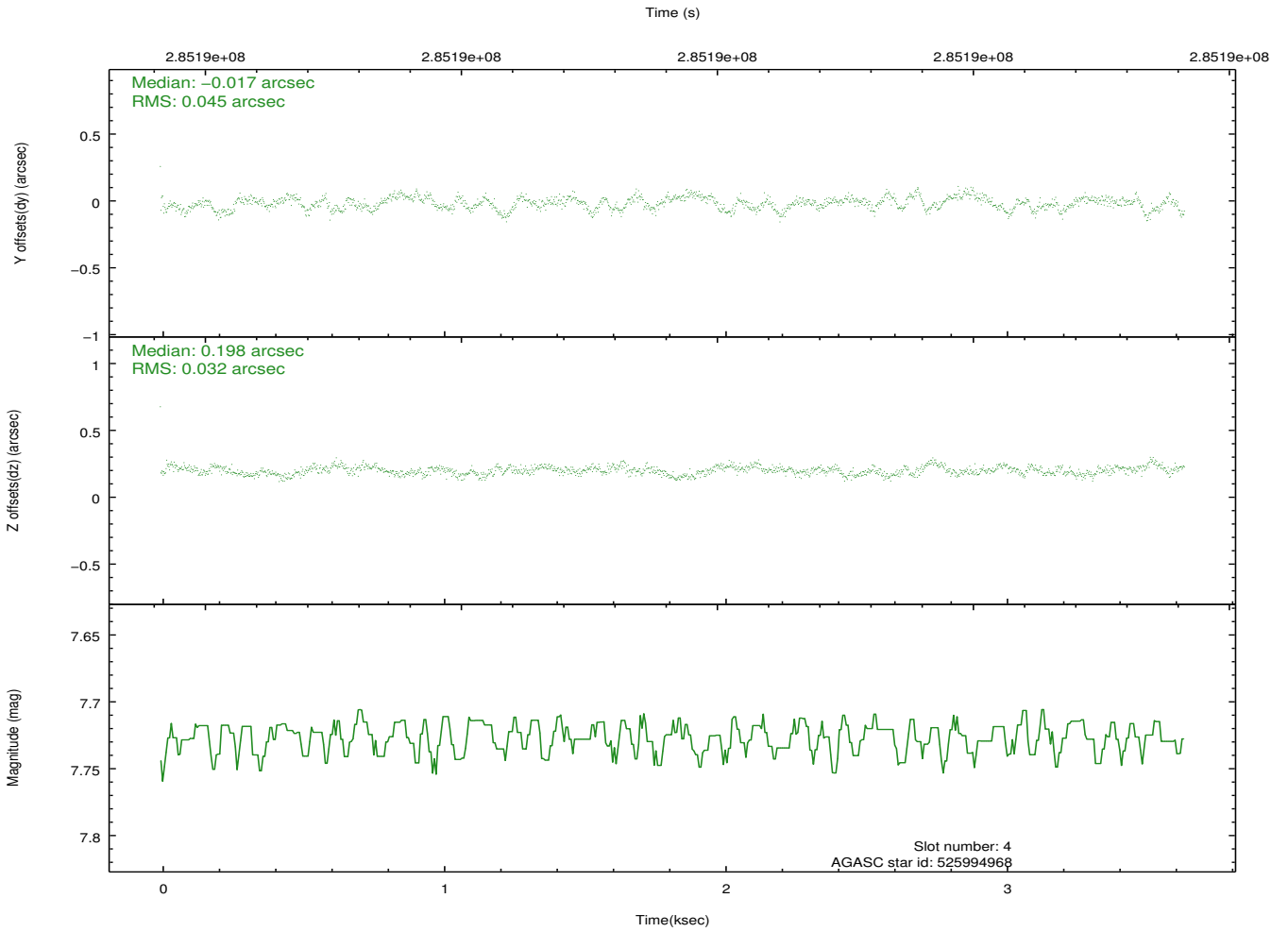
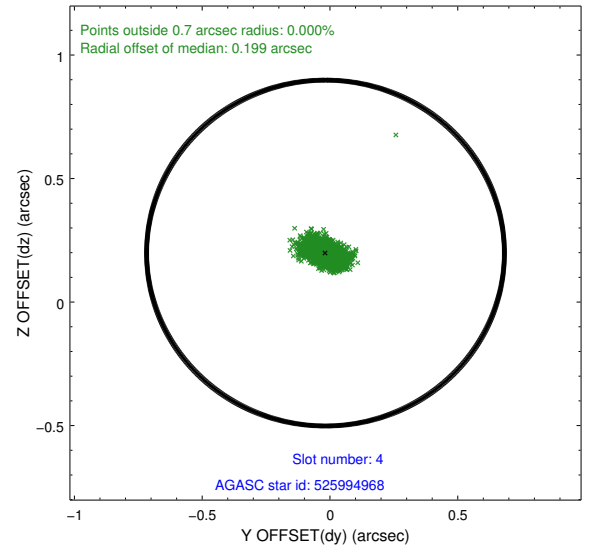
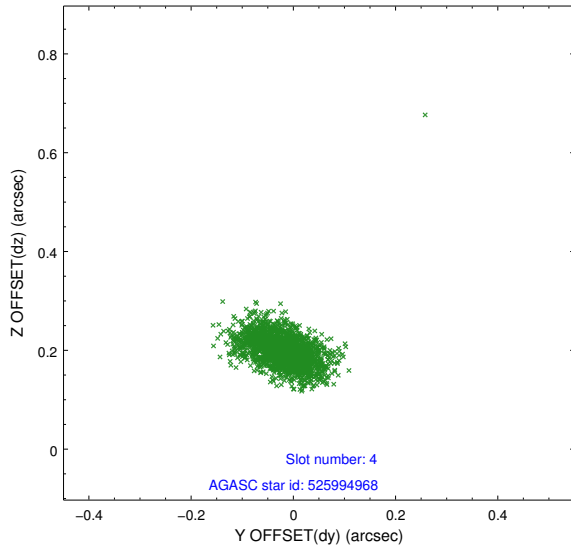
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	888	-0.250	-0.362	0.006	0.011	0.000000	0.000000	-768.66	-1387.06
1	FID	ACIS-I-4	7.24	888	0.010	0.215	0.006	0.010	0.000000	0.000000	2144.22	519.22
2	FID	ACIS-I-5	7.21	887	0.209	0.157	0.007	0.011	0.000000	0.000000	-1819.45	515.54
3	GUIDE	525992176	8.36	1774	-0.037	-0.104	0.072	0.118	356.919445	58.700933	-1136.76	-2286.79
4	GUIDE	525994968	7.73	1776	-0.017	0.198	0.057	0.096	358.260003	59.421606	-1856.08	1229.37
5	GUIDE	526000440	9.15	1773	0.034	0.076	0.081	0.132	358.756544	59.169242	-593.09	1481.17
6	GUIDE	526001056	9.12	1774	0.165	-0.050	0.093	0.147	358.774365	58.193060	2349.08	-442.45
7	GUIDE	525992072	7.11	1775	-0.147	-0.115	0.053	0.089	358.886181	59.415522	-1196.64	2169.96

2.4 Star Slots

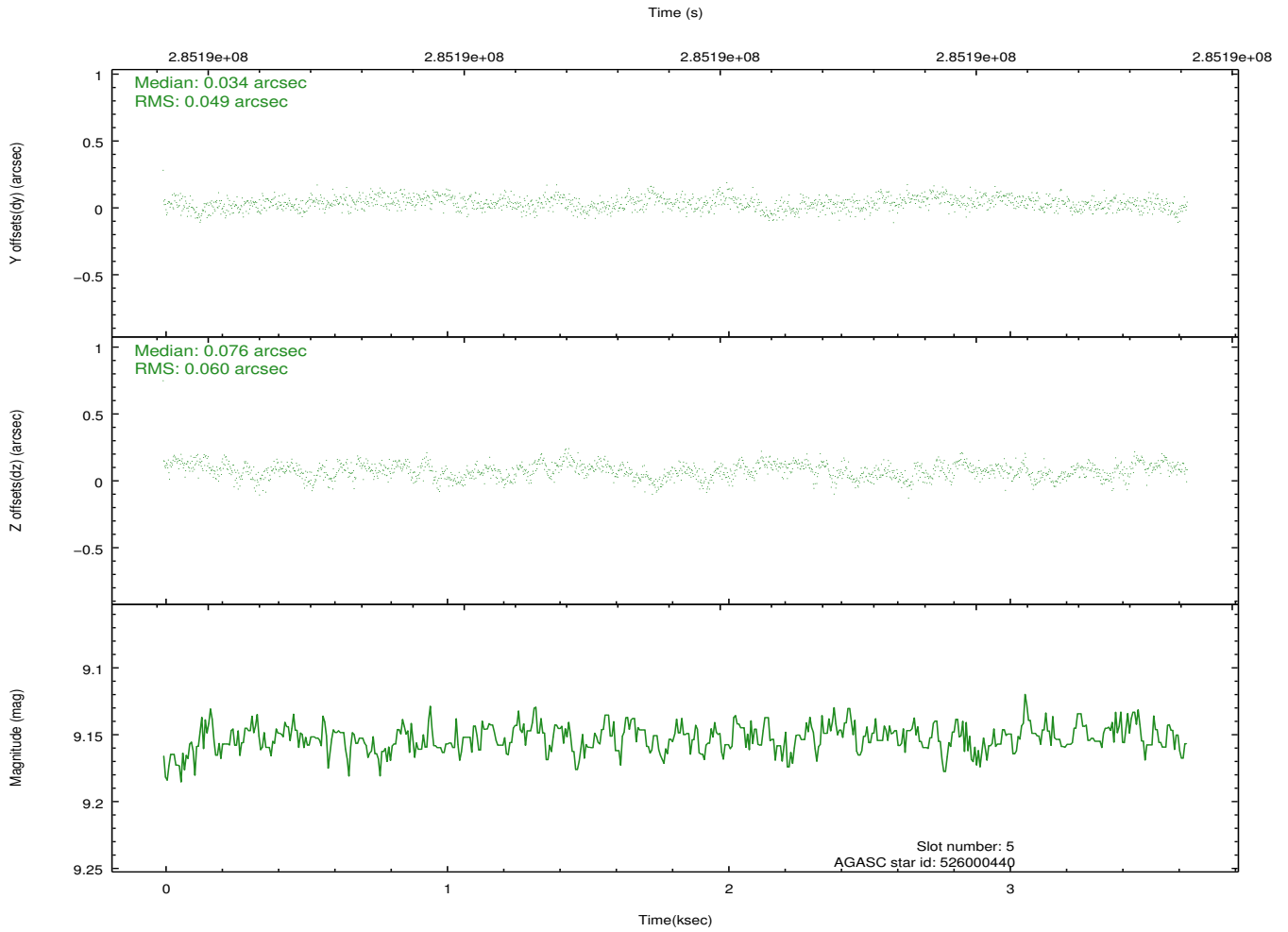
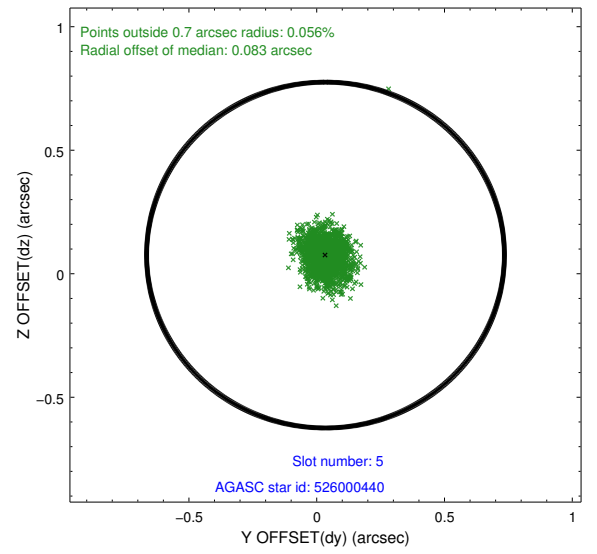
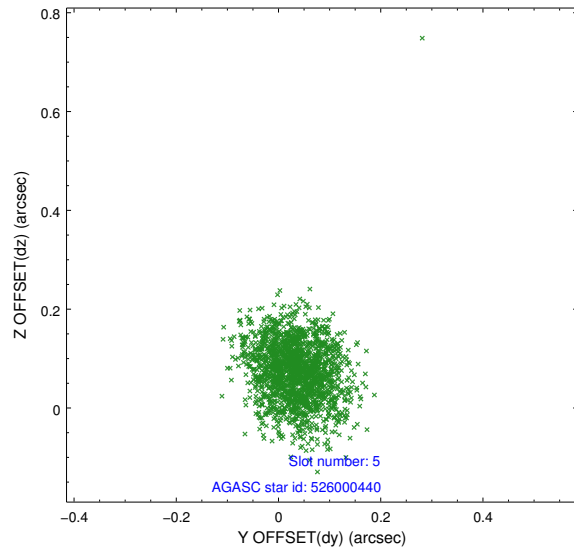
2.4.1 Slot 3



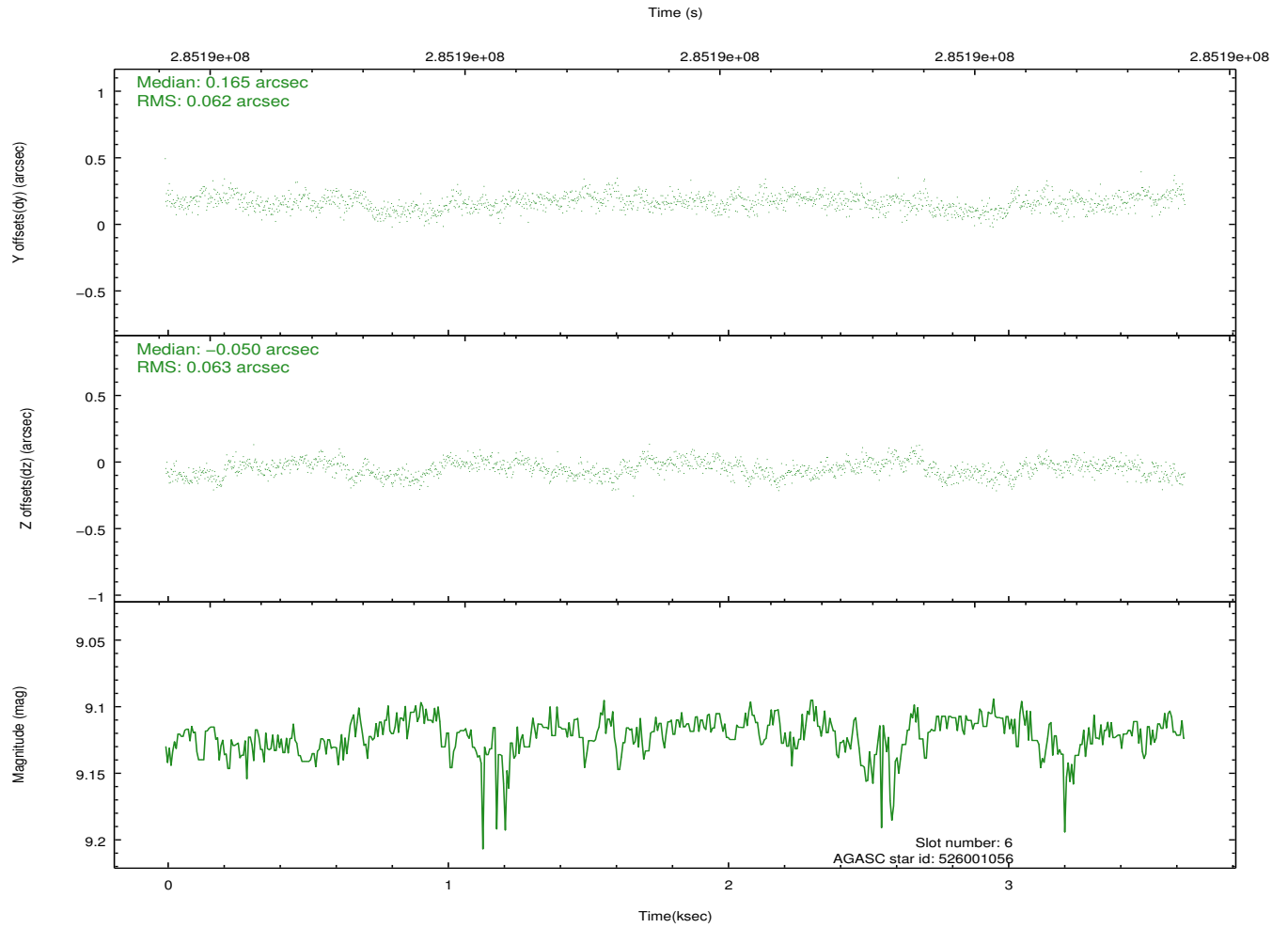
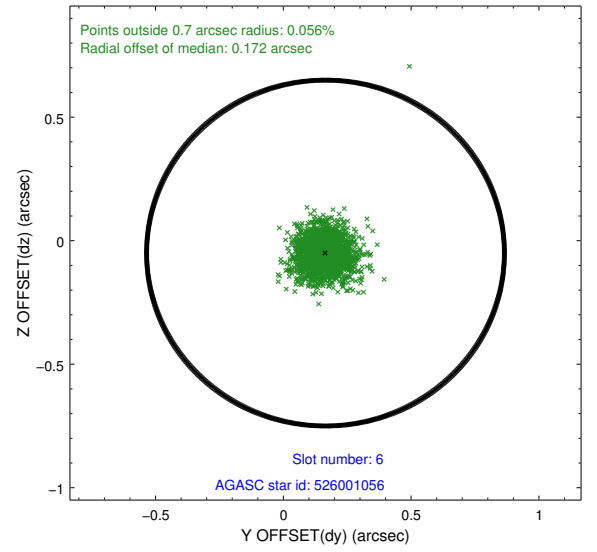
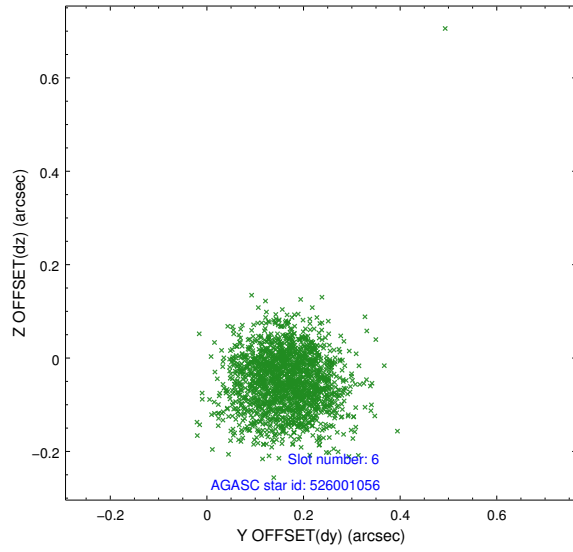
2.4.2 Slot 4



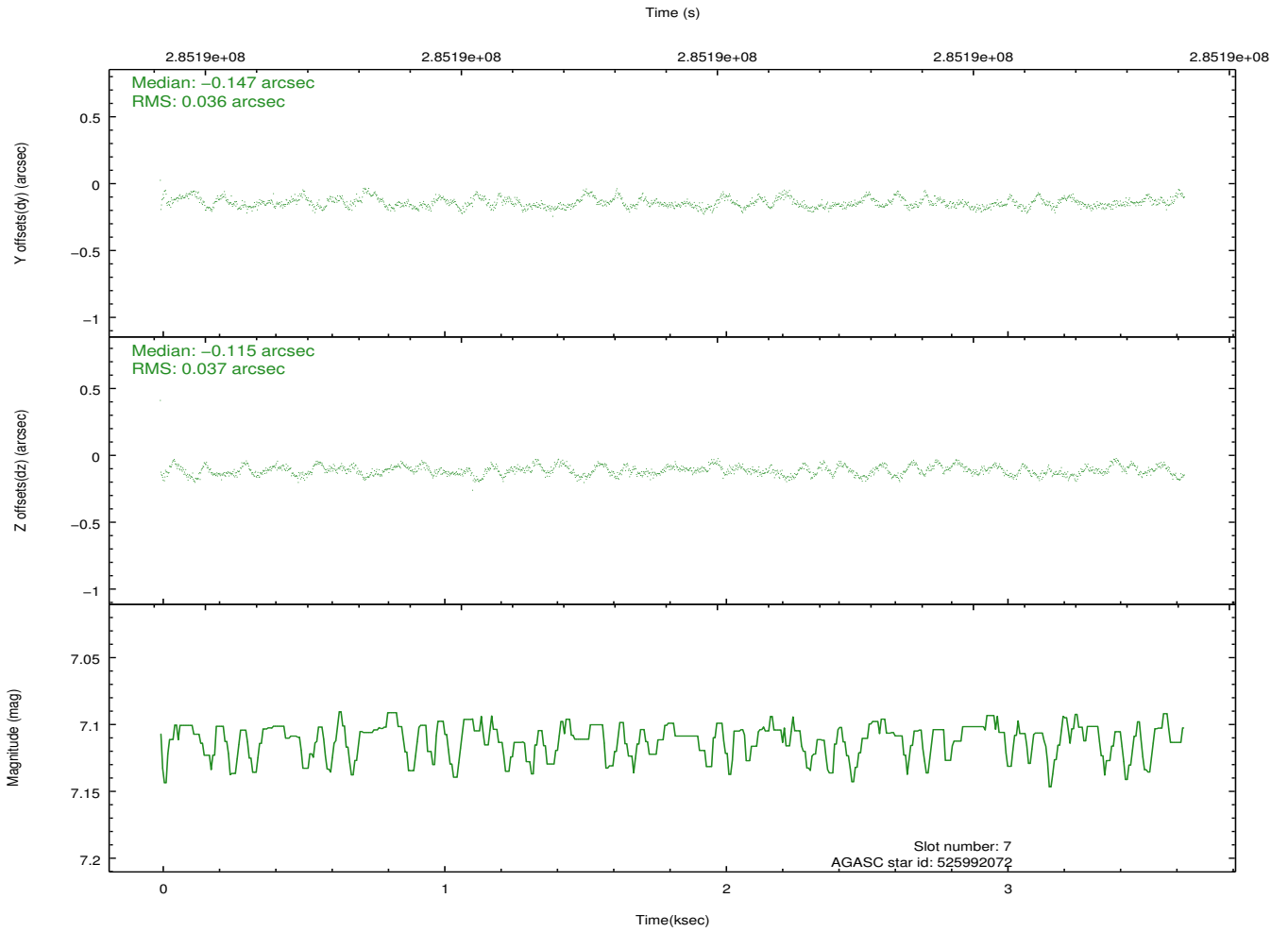
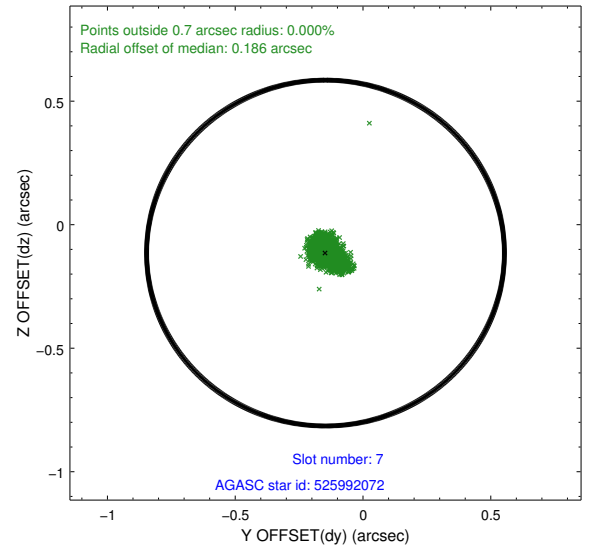
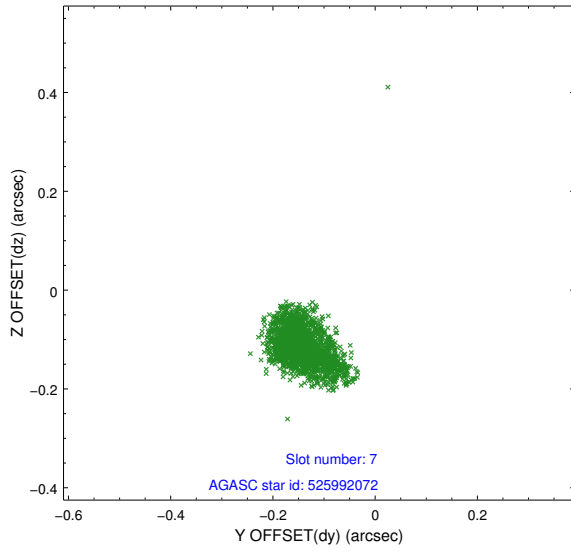
2.4.3 Slot 5



2.4.4 Slot 6

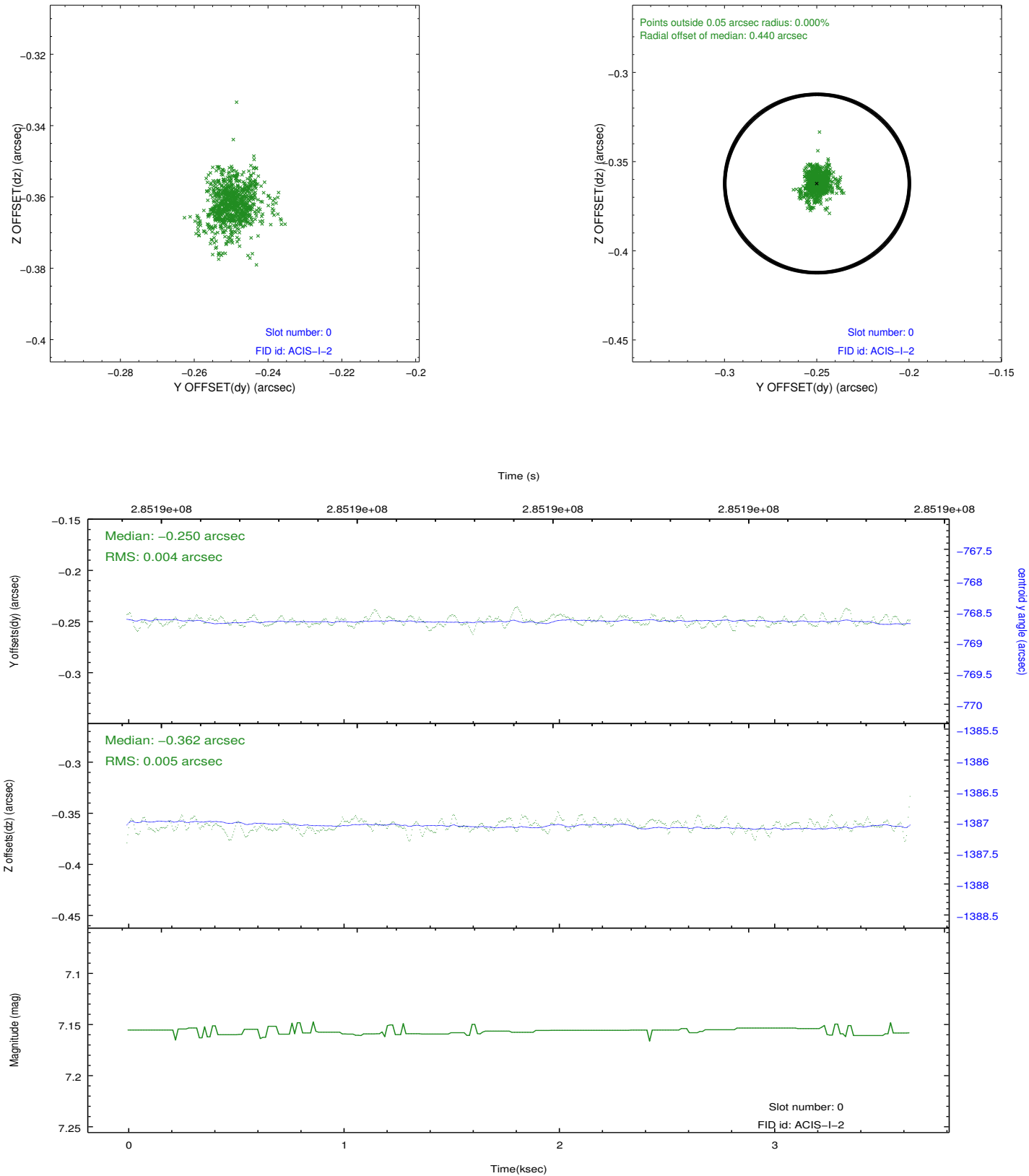


2.4.5 Slot 7

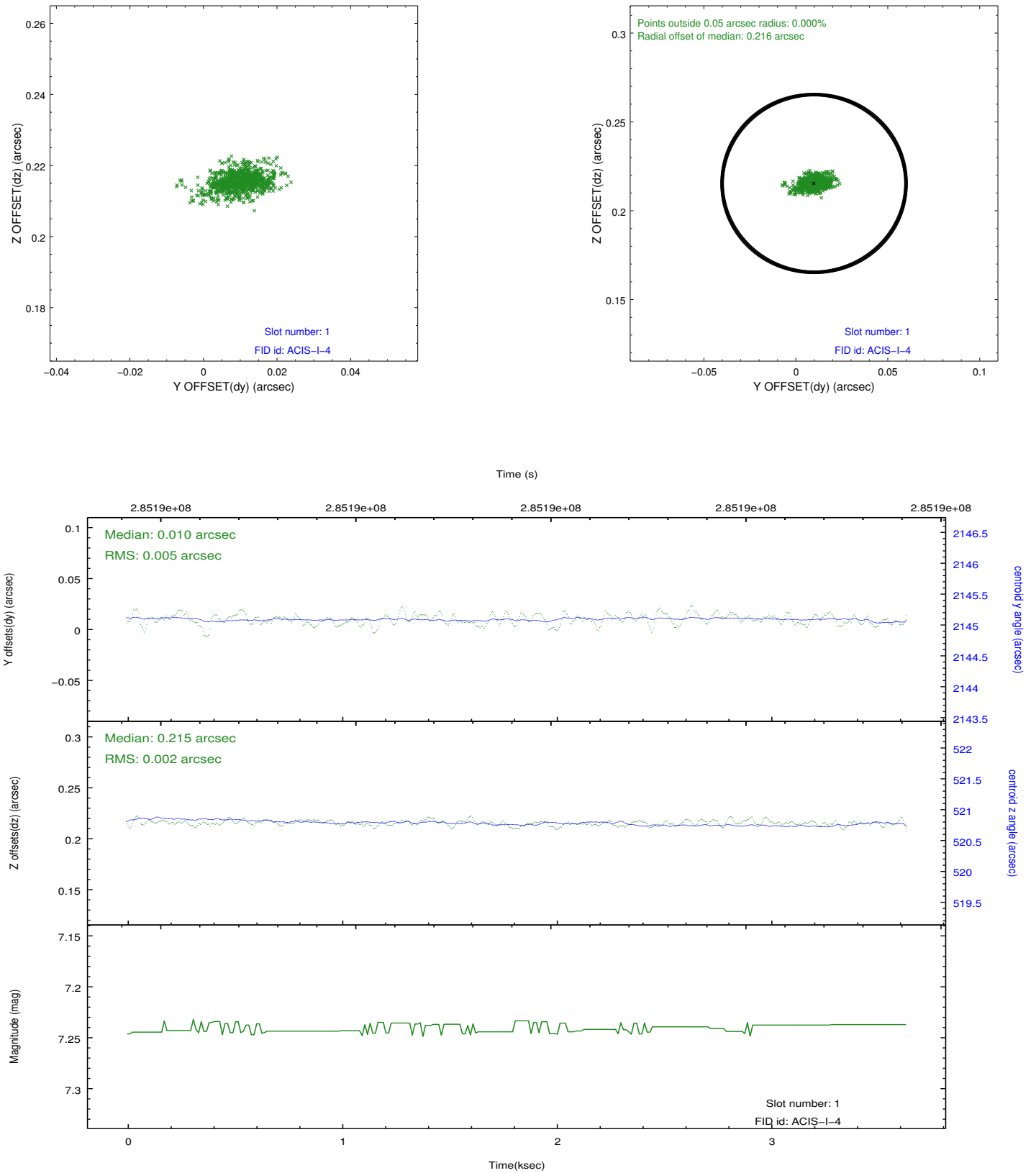


2.5 FID Slots

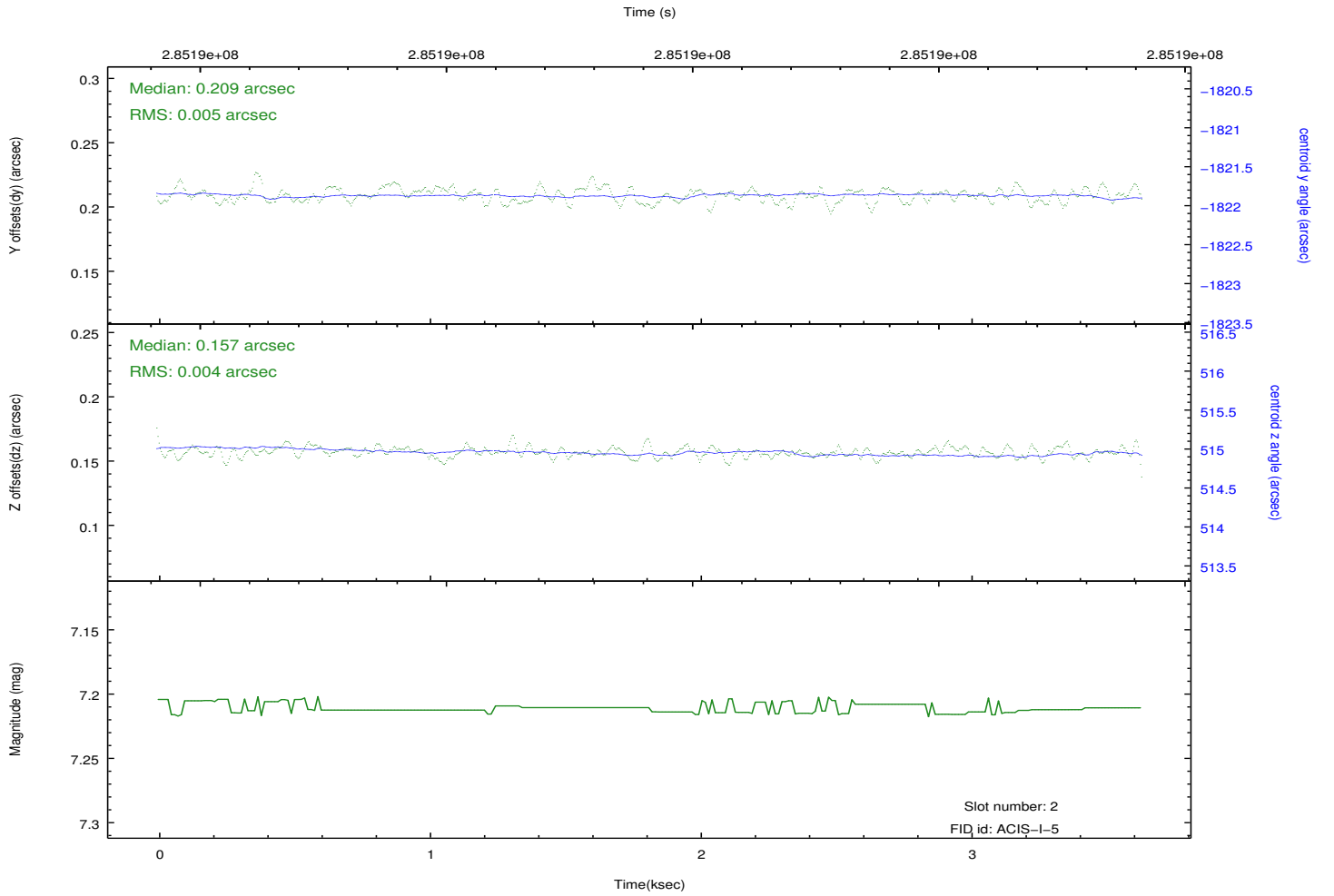
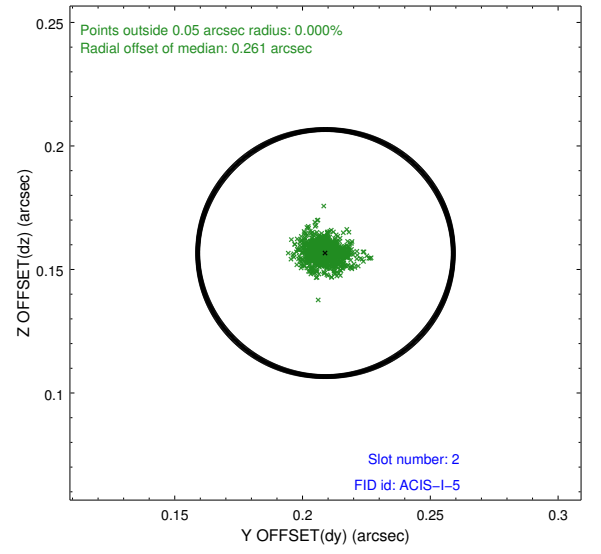
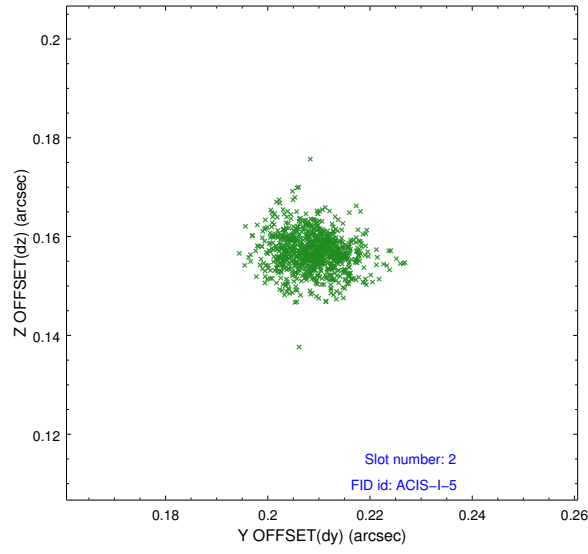
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.26079998

A.2 Comments

Source position placed between CCD chips deliberately.