

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13877 - L2 Version 2
Chandra X-Ray Center

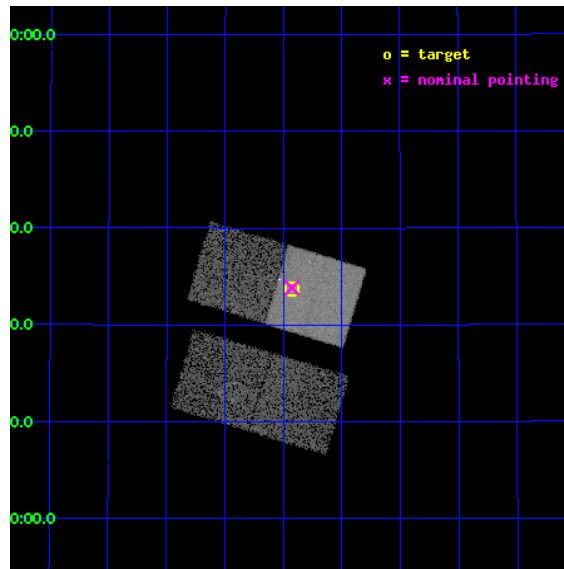
L2 Processing Date : Feb 27 2012

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1 Front

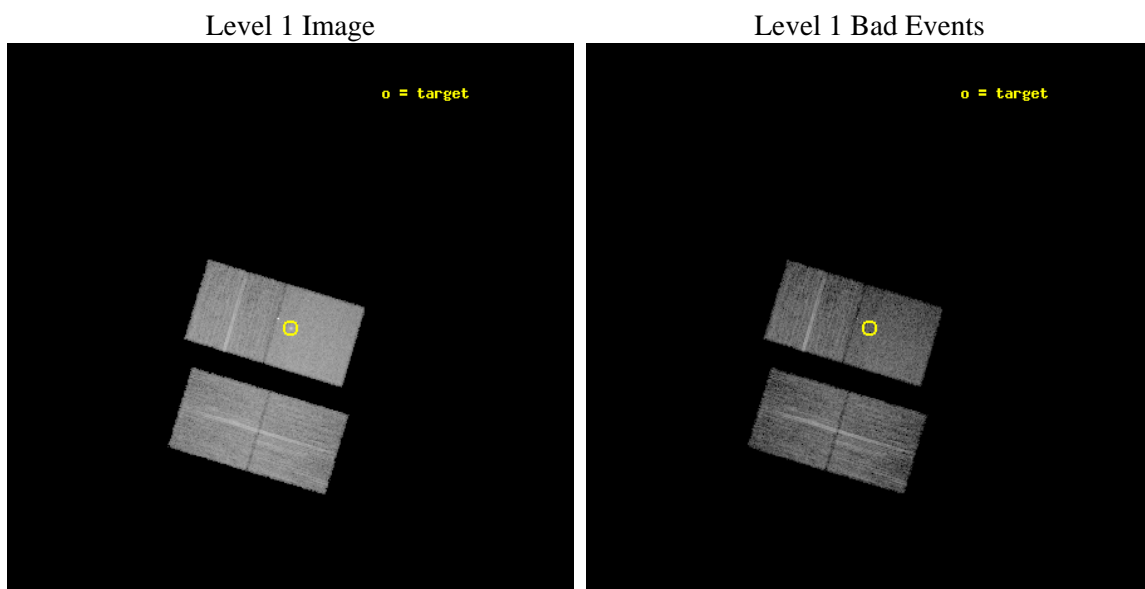
seq_num	702602	Sequence number
obs_id	13877	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c320	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.855833	Observer's specified target RA [deg]
dec_targ	35.561111	Observer's specified target Dec [deg]
ra_nom	232.85681460996	Nominal RA [deg]
dec_nom	35.563999707451	Nominal Dec [deg]
roll_nom	16.805838310267	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12055.768071592	Sum of GTIs [s]
livetime	11898.250586409	Livetime [s]
ontime2	12055.644951582	Sum of GTIs [s]
ontime3	12043.122160077	Sum of GTIs [s]
ontime6	12055.727031589	Sum of GTIs [s]
ontime7	12055.768071592	Sum of GTIs [s]
l2events	65298	Number of level 2 events



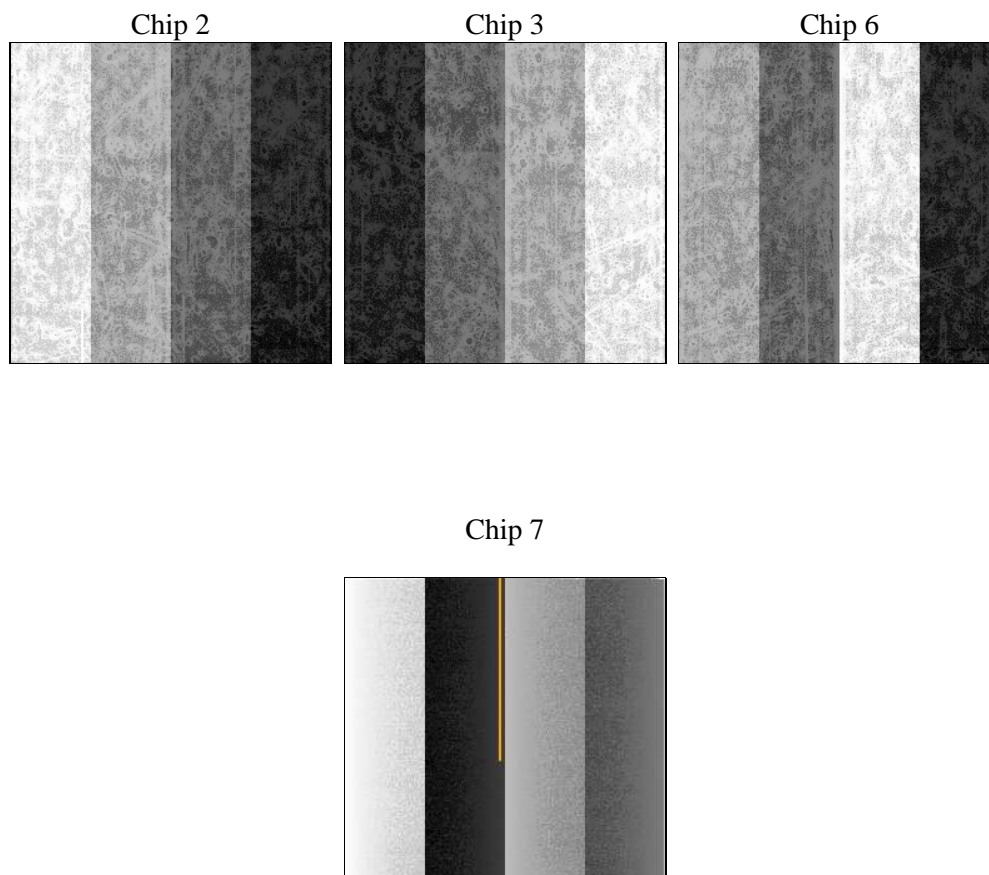
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	12055.768071592	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	12055.644951582	Sum of GTIs [s]
date	2012-02-28T00:54:46	Date and time of file creation	ontime3	12043.122160077	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	12055.727031589	Sum of GTIs [s]
			ontime7	12055.768071592	Sum of GTIs [s]
			l1events	318017	Number of level 1 events

2.1.4 Events

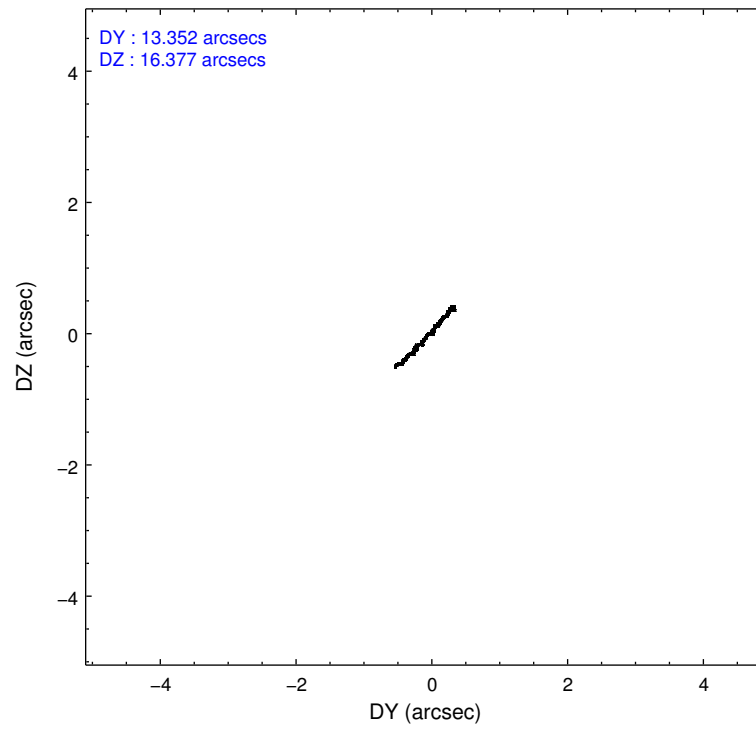
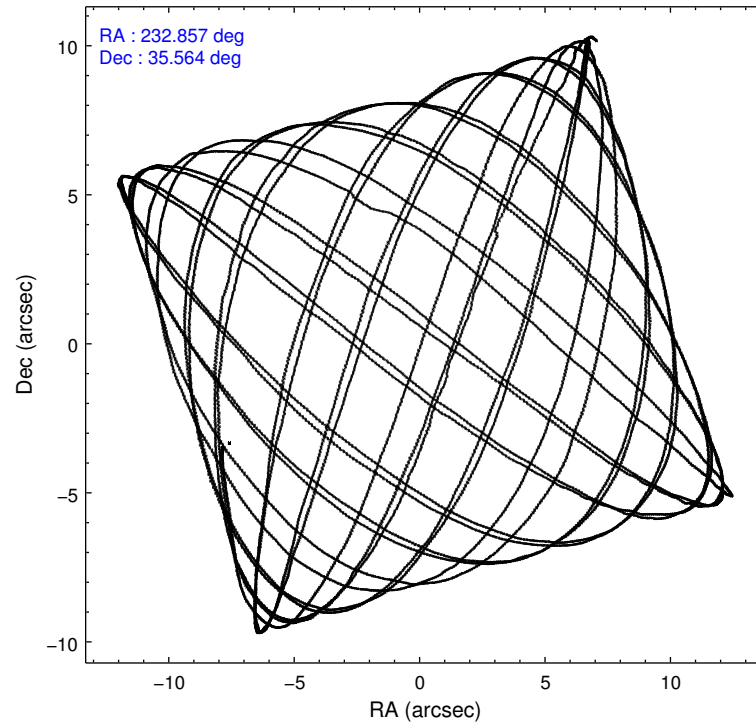
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71774	73046	75337	97860
rejected events	63347	65196	66600	53079
rejected %	88%	89%	88%	54%

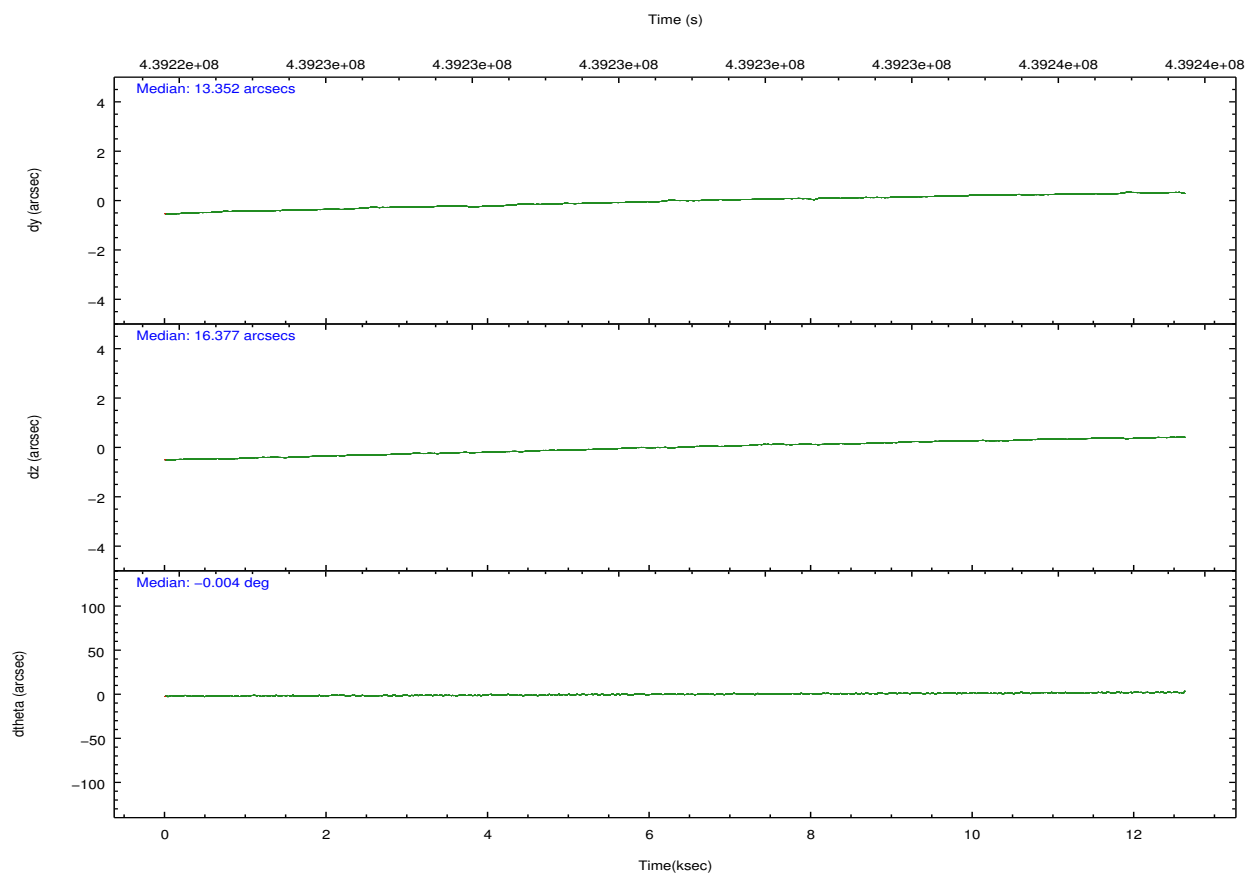
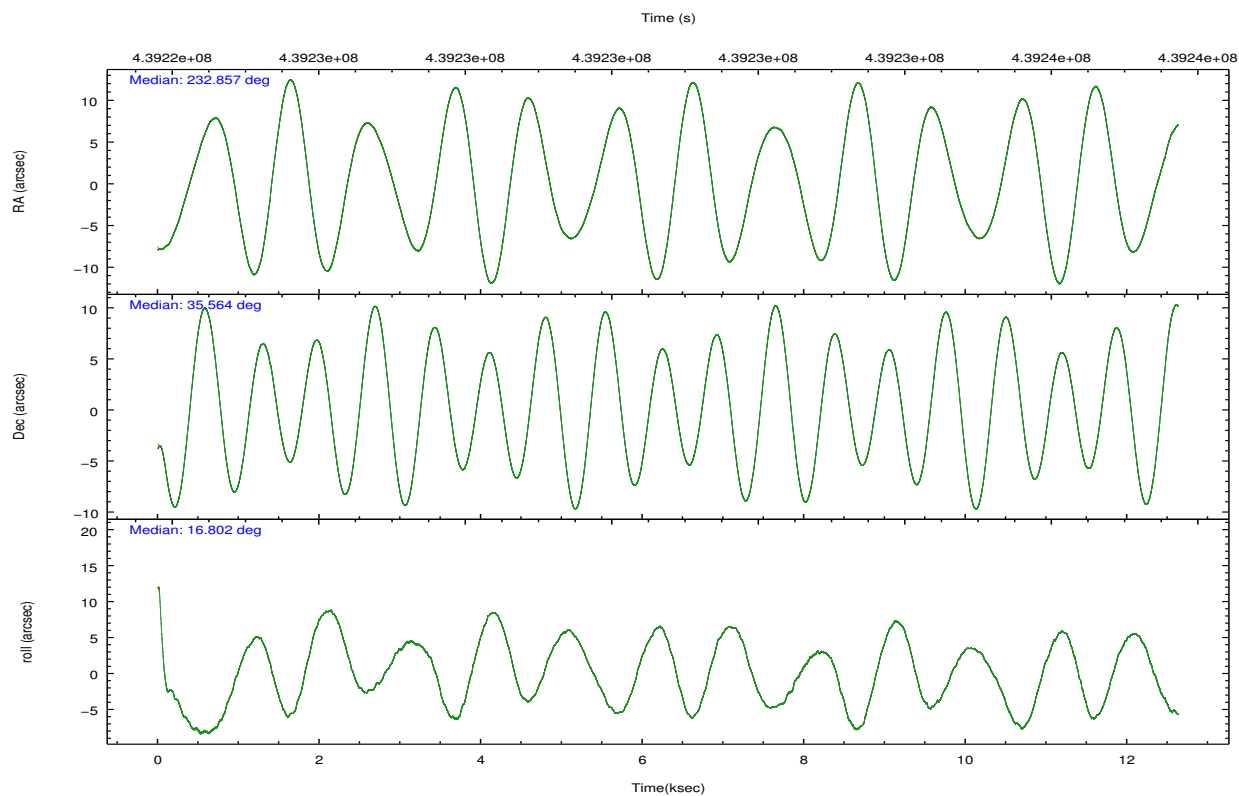
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3036	2666	2992	4497
	4%	3%	3%	4%
grade 1 events	64	48	48	138
	0%	0%	0%	0%
grade 2 events	2045	1776	2012	9251
	2%	2%	2%	9%
grade 3 events	837	854	909	4147
	1%	1%	1%	4%
grade 4 events	874	828	852	3919
	1%	1%	1%	4%
grade 5 events	3109	3740	3738	9887
	4%	5%	4%	10%
grade 6 events	1640	1732	1984	23000
	2%	2%	2%	23%
grade 7 events	60169	61402	62802	43021
	83%	84%	83%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	232.834173	232.8568146099552	CCD I2 on	O1	Y
[deg] Pointing Dec	35.543836	35.56399970745075	CCD I3 on	O2	Y
[deg] Pointing Roll	16.662373	16.80583831026748	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	439225083.184000	439223993.2868	CCD S5 on	N	N
Observation start date	2011-12-02T14:56:57	2011-12-02T14:39:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	439237083.184000	439237708.30003	On-chip summing requested	N	N
Observation end date	2011-12-02T18:16:57	2011-12-02T18:28:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



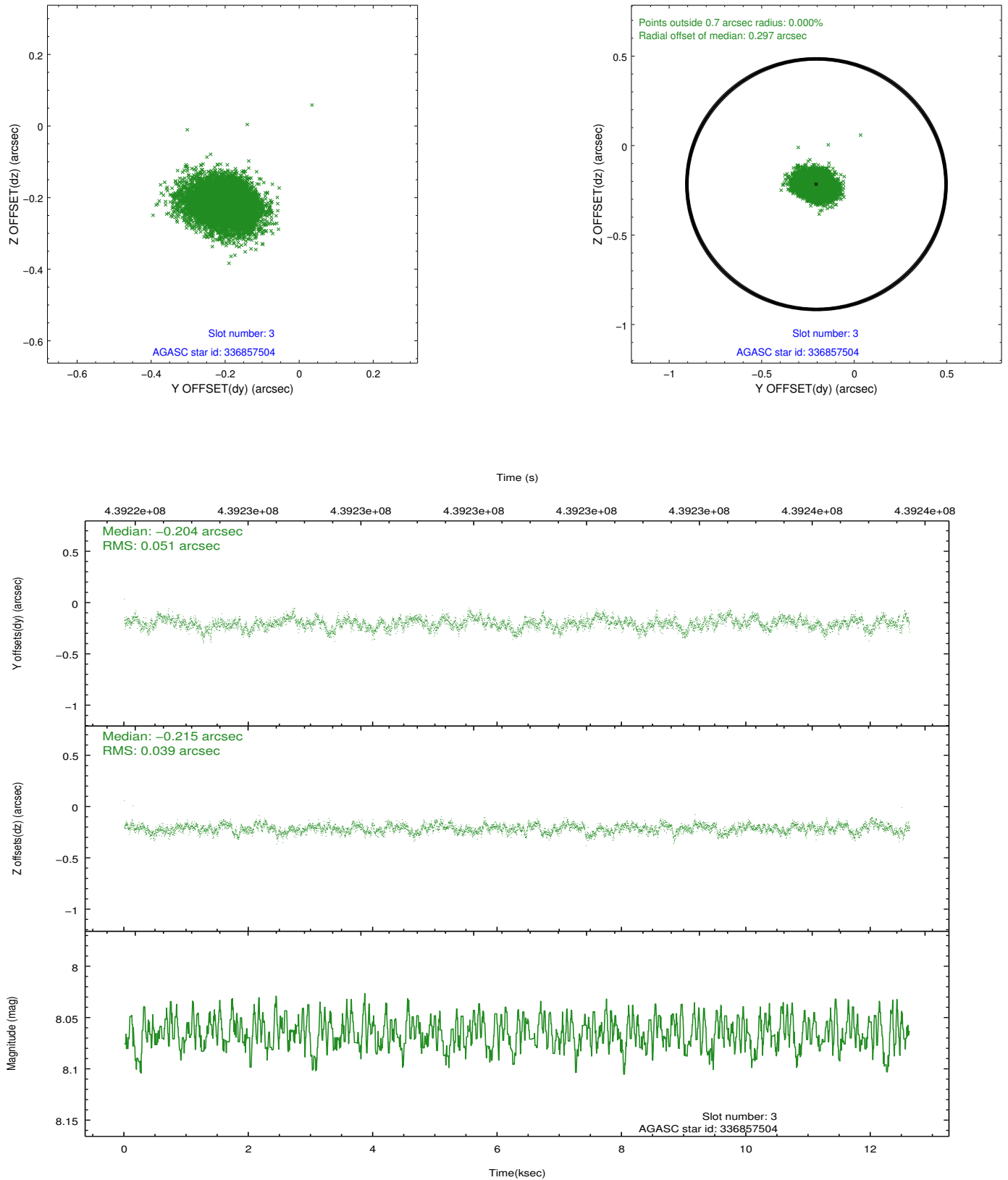


Slot Statistics

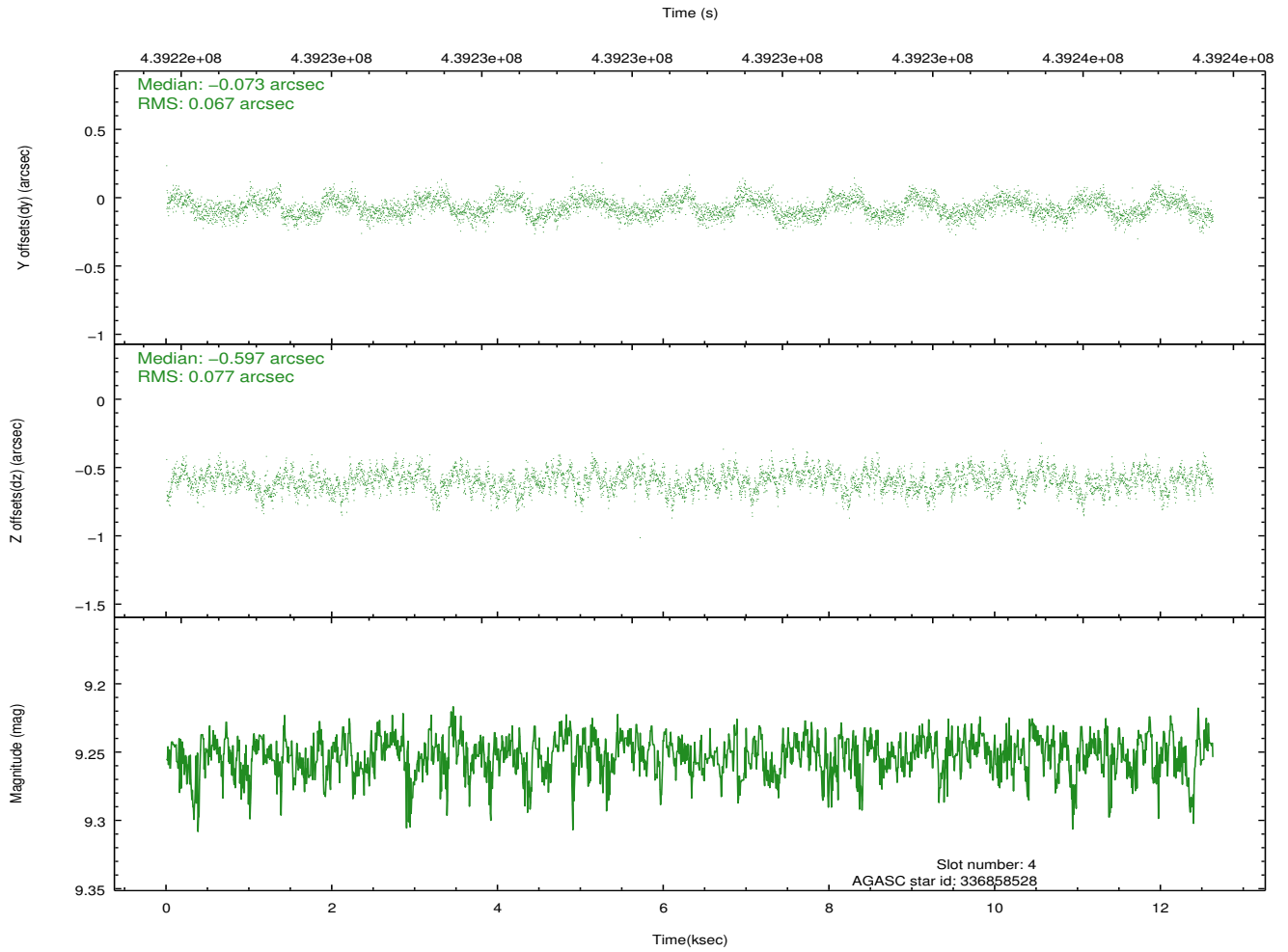
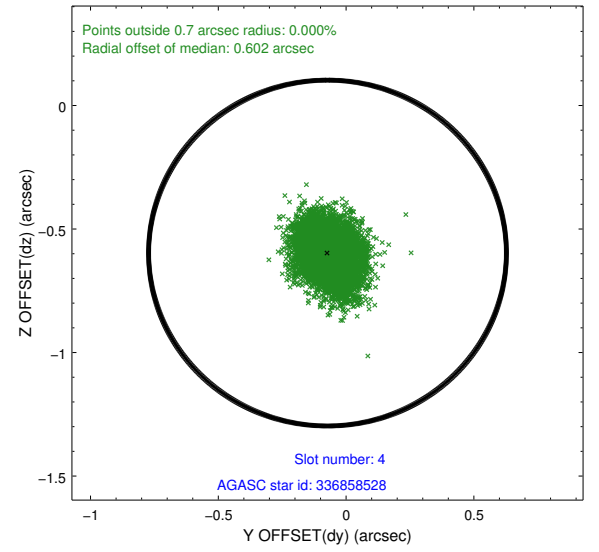
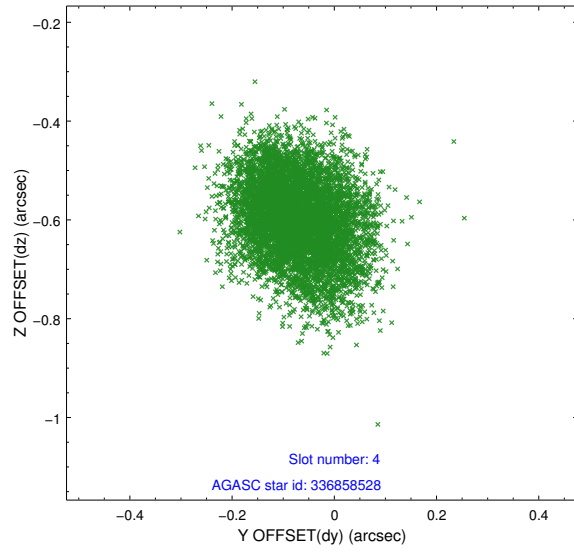
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	3080	-0.049	-0.008	0.012	0.018	0.000000	0.000000	-766.28	-1737.73
1	FID	ACIS-S-4	7.00	3080	0.212	0.026	0.013	0.021	0.000000	0.000000	2147.09	170.37
2	FID	ACIS-S-5	7.03	3080	-0.195	-0.009	0.014	0.022	0.000000	0.000000	-1818.76	164.46
3	GUIDE	336857504	8.07	6159	-0.204	-0.215	0.068	0.111	233.372572	35.928958	1902.53	882.31
4	GUIDE	336858528	9.25	6155	-0.073	-0.597	0.109	0.173	232.635443	35.893964	-193.08	1373.84
5	GUIDE	336863632	8.52	6158	-0.024	0.263	0.082	0.130	232.985574	35.464620	344.03	-399.62
6	GUIDE	336866904	9.14	6150	0.036	0.288	0.097	0.158	232.675598	35.168829	-833.46	-1158.98
7	GUIDE	336470264	9.33	6147	0.262	0.266	0.122	0.192	232.462421	34.736355	-1885.90	-2467.64

2.4 Star Slots

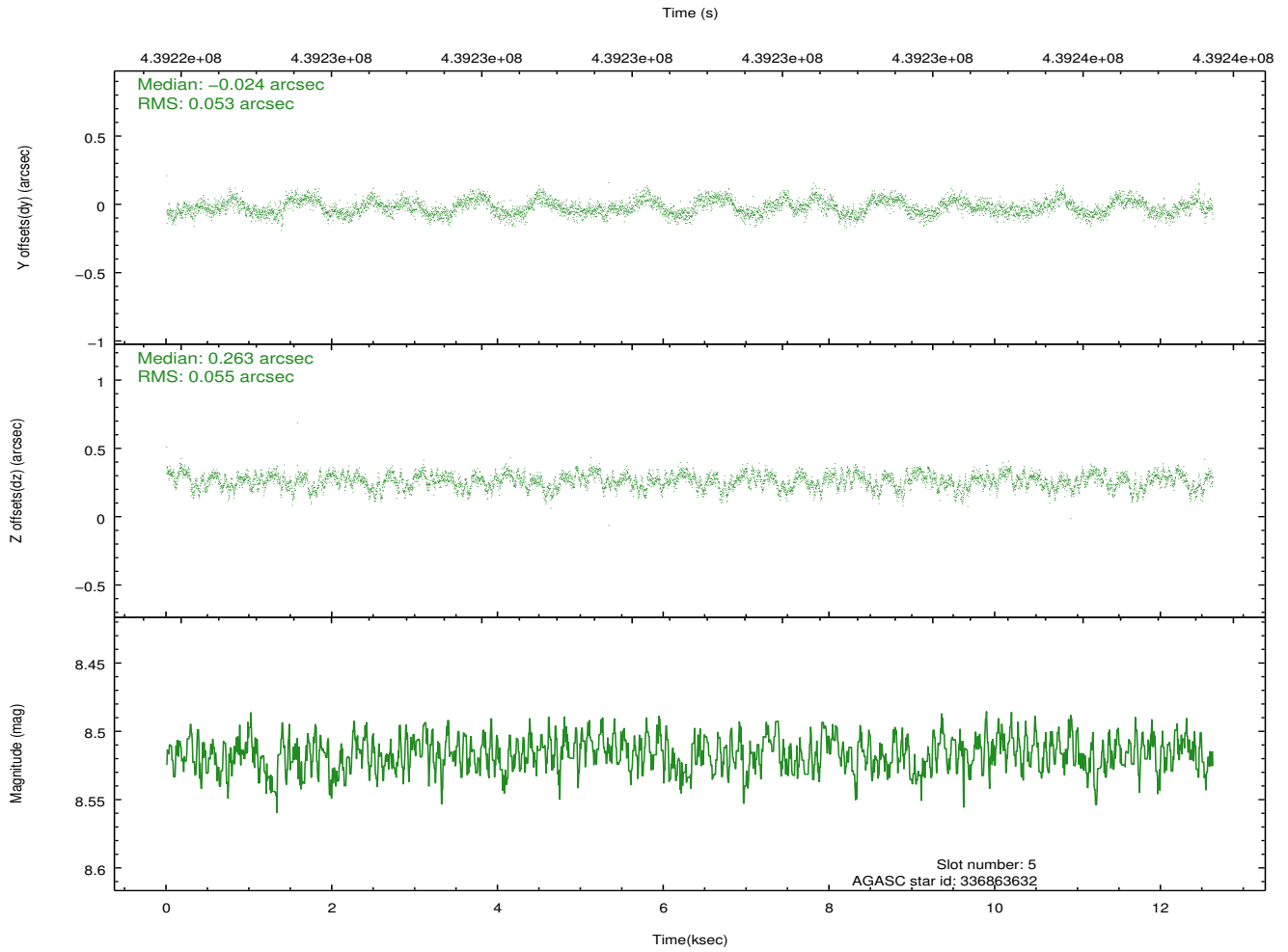
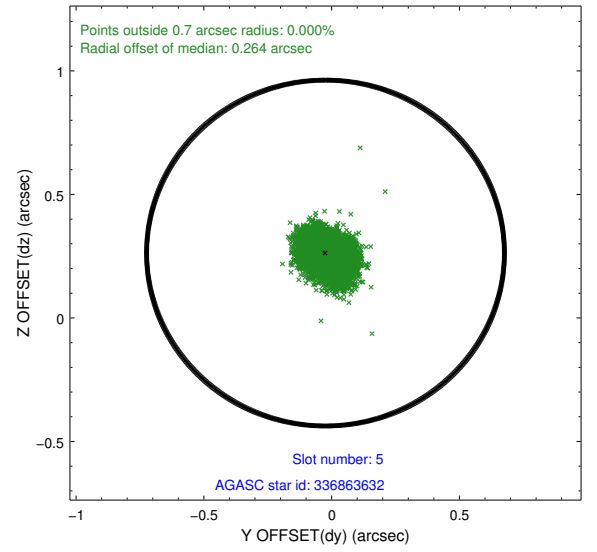
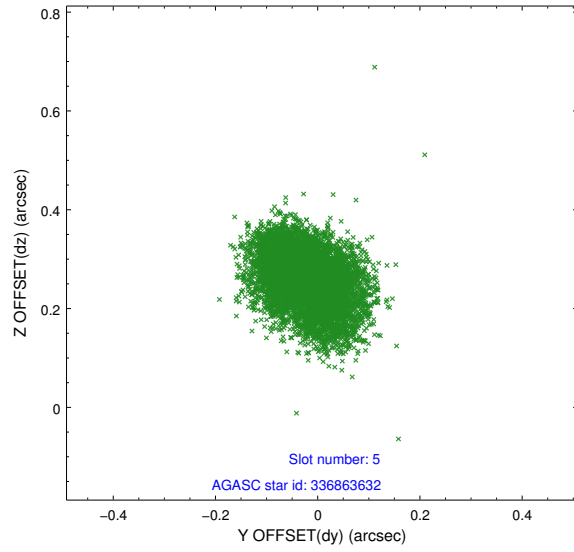
2.4.1 Slot 3



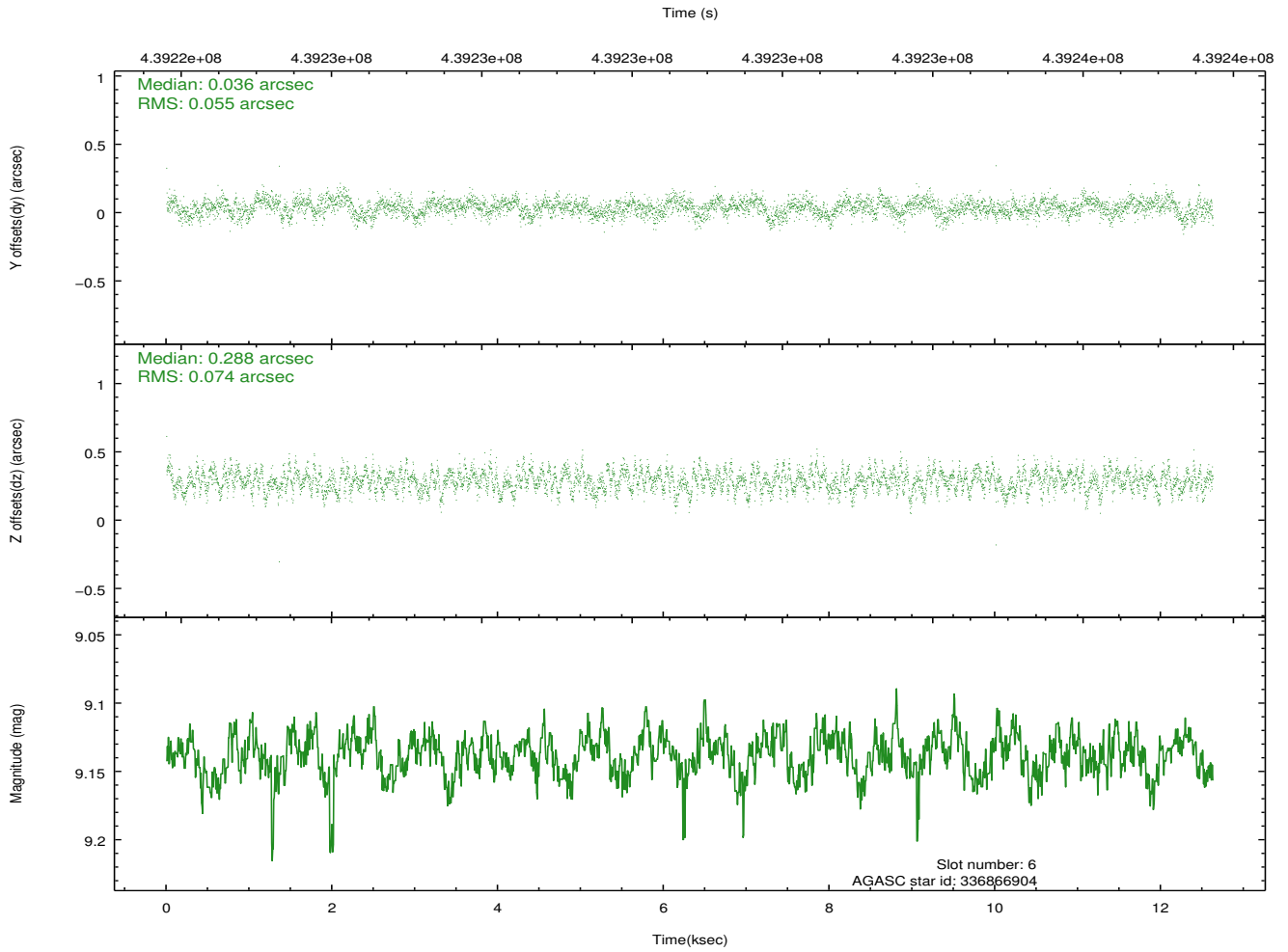
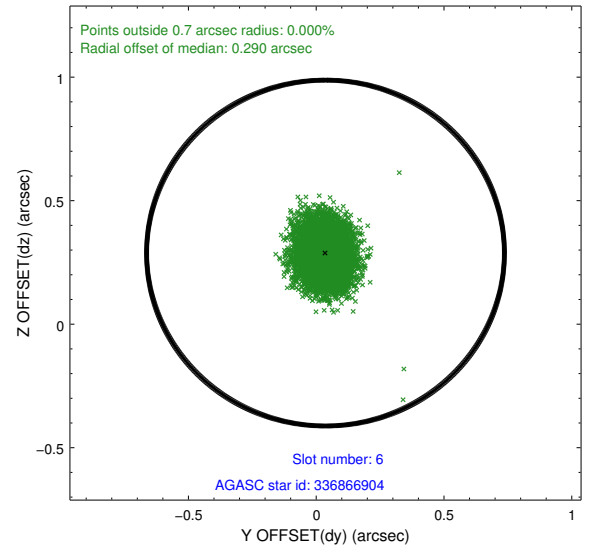
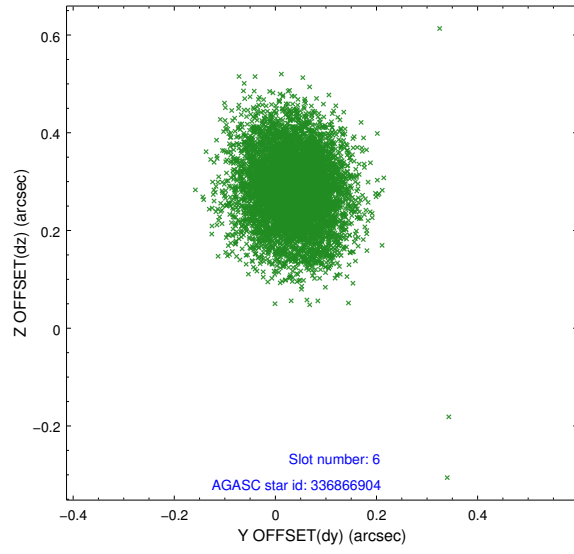
2.4.2 Slot 4



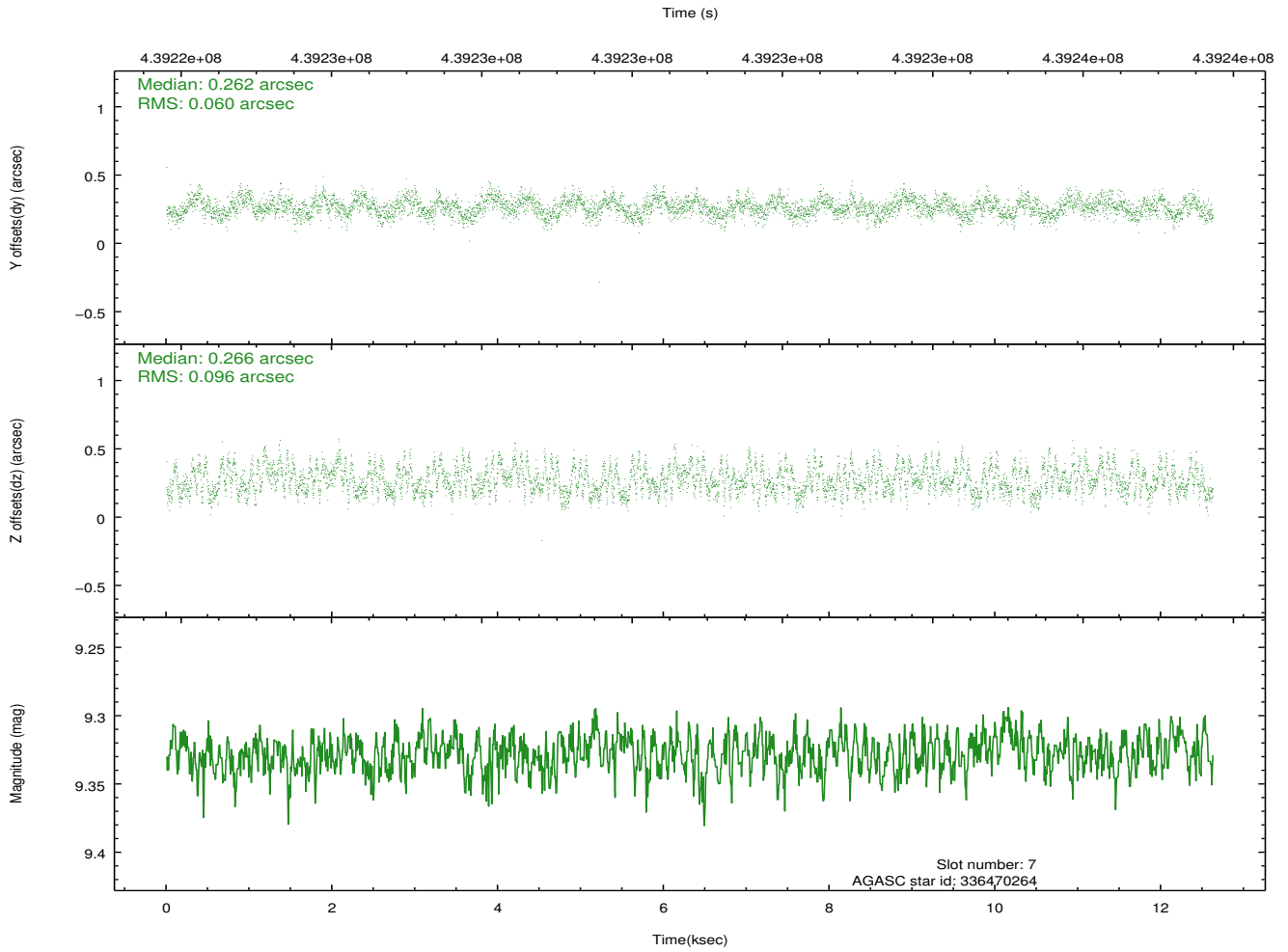
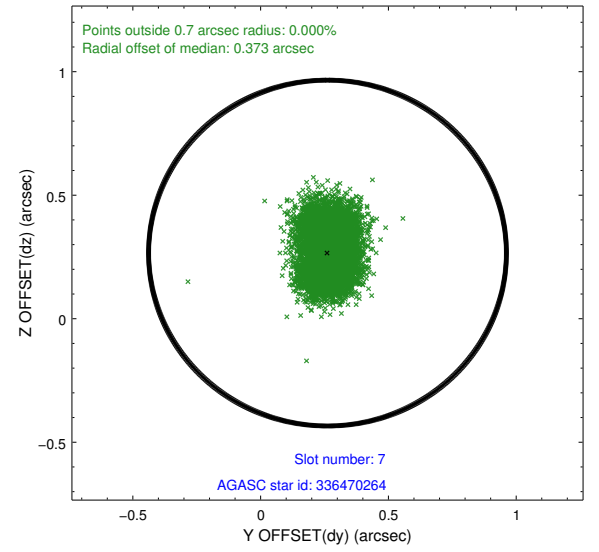
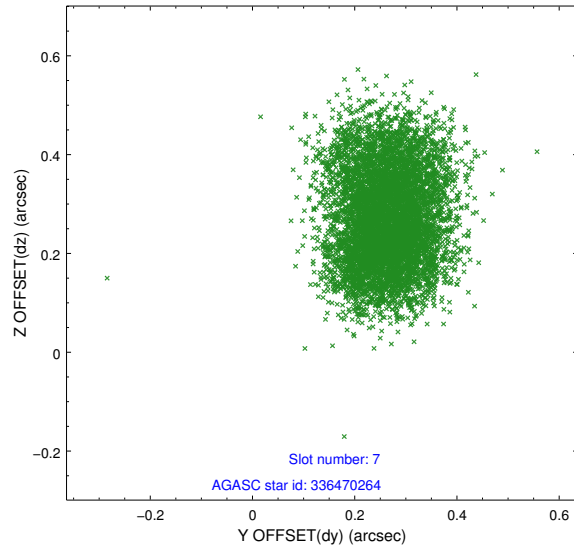
2.4.3 Slot 5



2.4.4 Slot 6

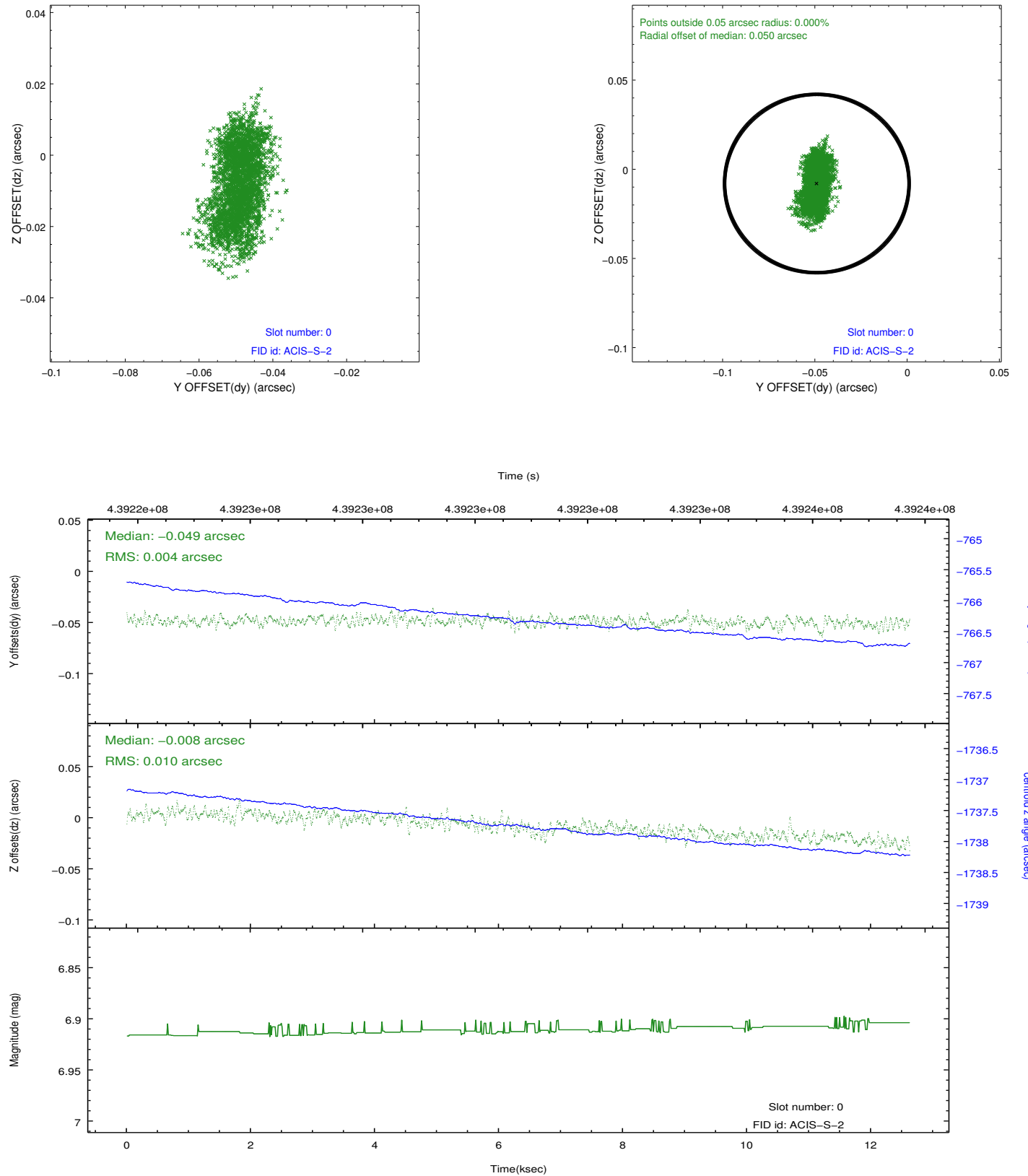


2.4.5 Slot 7

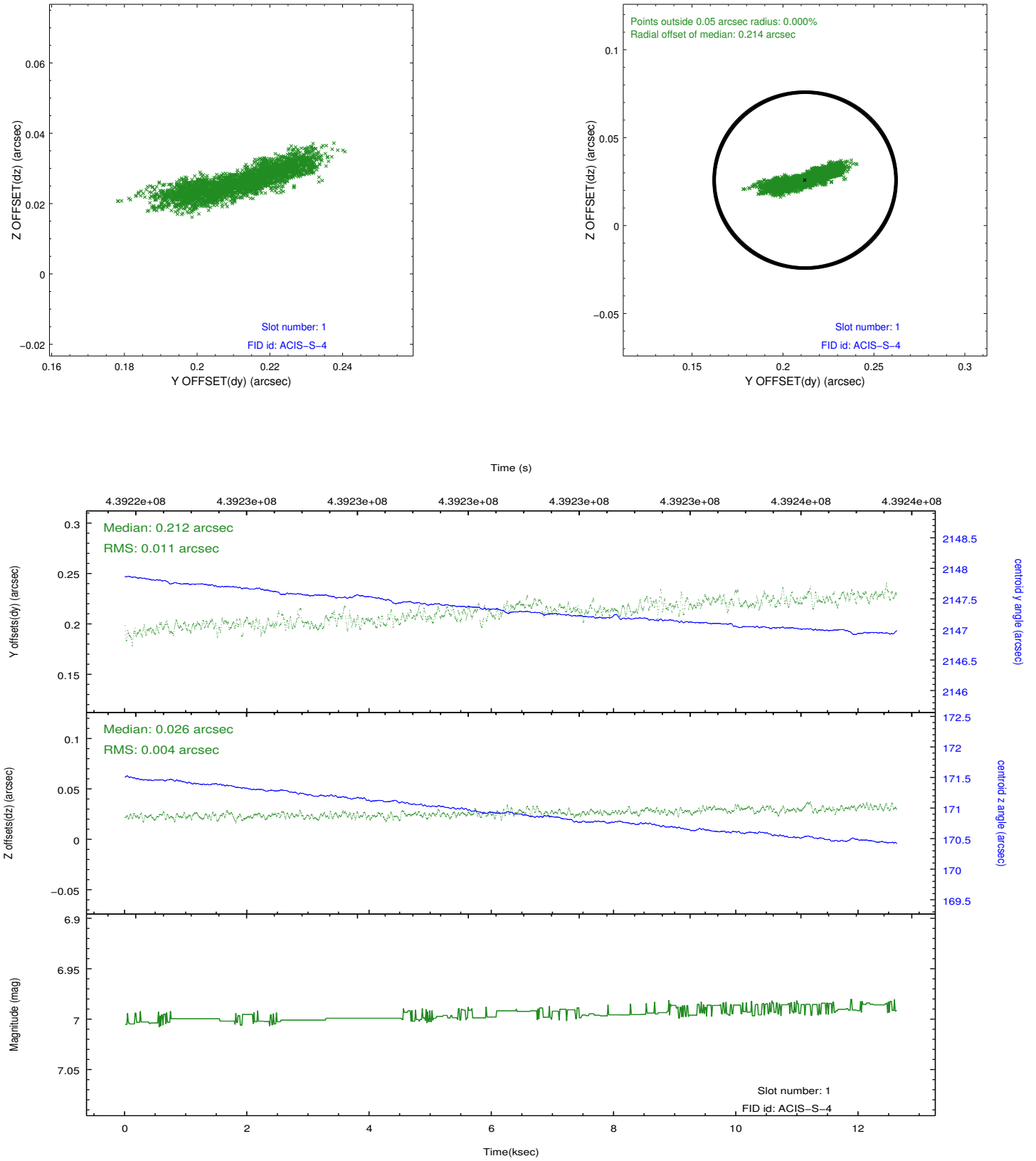


2.5 FID Slots

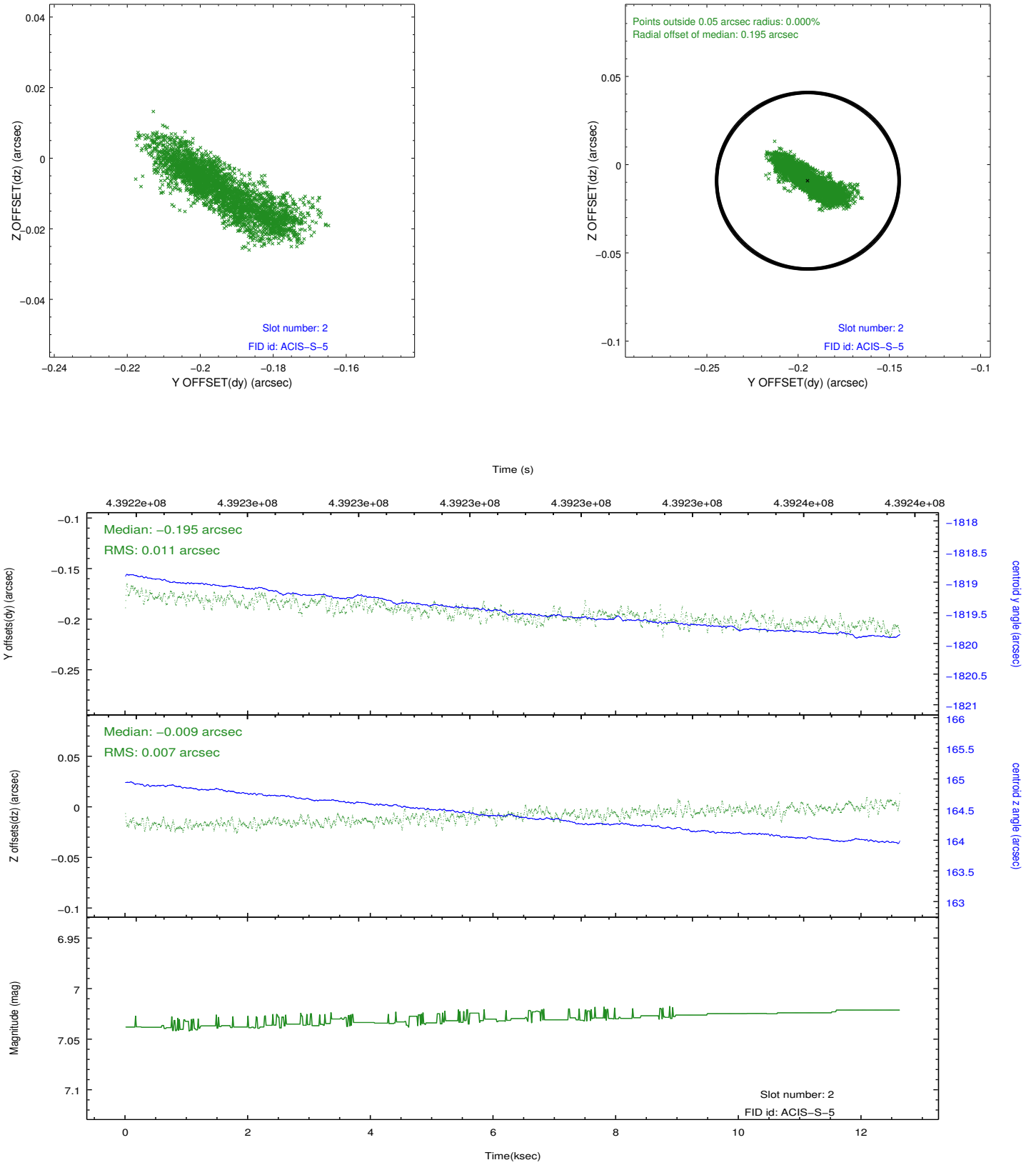
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.055768077314

A.2 Comments