

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10142 - L2 Version 2
Chandra X-Ray Center

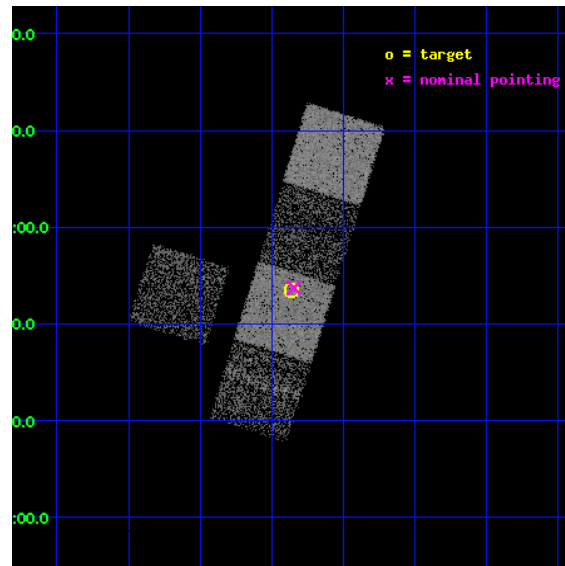
L2 Processing Date : Jun 8 2012

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1 Front

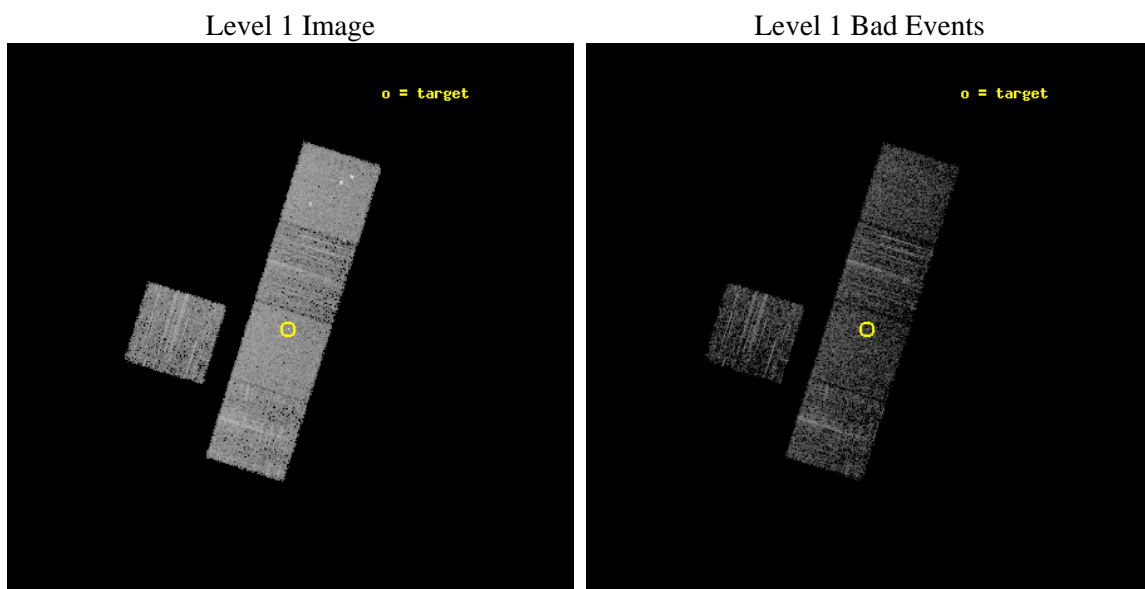
seq_num	501069	Sequence number
obs_id	10142	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ220221.0+015353	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	330.59	Observer's specified target RA [deg]
dec_targ	1.892528	Observer's specified target Dec [deg]
ra_nom	330.58636038052	Nominal RA [deg]
dec_nom	1.8956315125595	Nominal Dec [deg]
roll_nom	107.45679831381	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2033.6000156403	Sum of GTIs [s]
livetime	2007.0295343214	Livetime [s]
ontime3	2033.5395571589	Sum of GTIs [s]
ontime5	2033.6000156403	Sum of GTIs [s]
ontime6	2033.5805971622	Sum of GTIs [s]
ontime7	2033.6000156403	Sum of GTIs [s]
ontime8	2033.4985171556	Sum of GTIs [s]
l2events	34659	Number of level 2 events



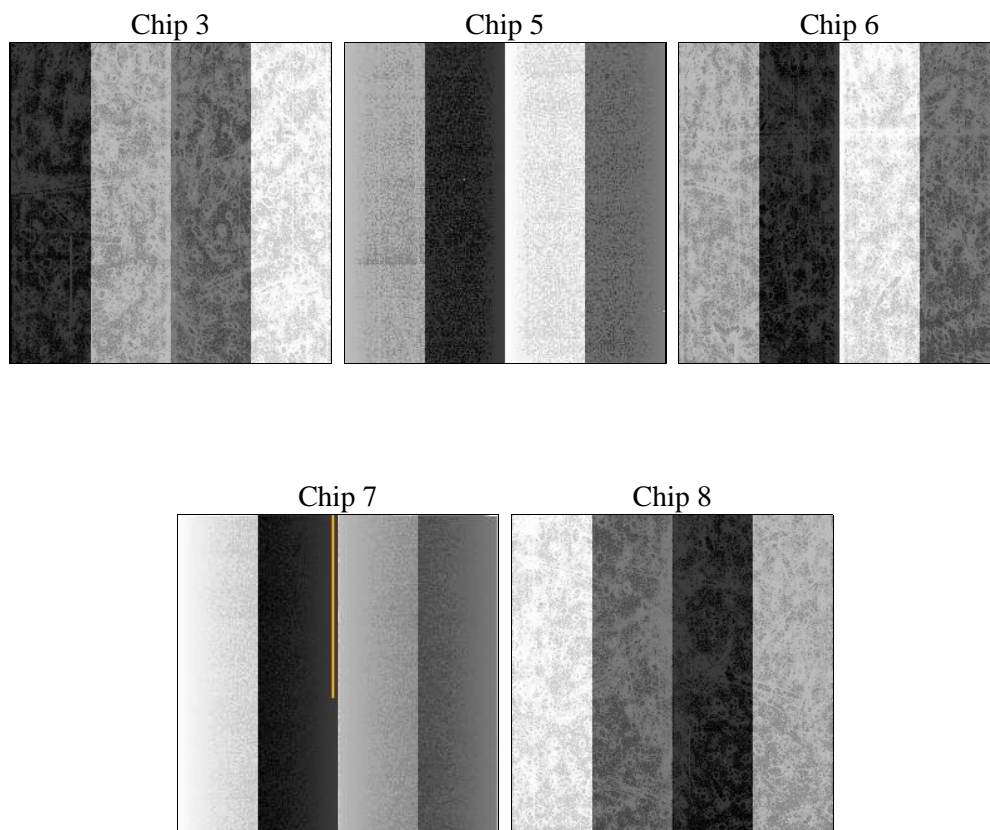
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2033.6000156403	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	2033.5395571589	Sum of GTIs [s]
date	2012-06-08T06:00:18	Date and time of file creation	ontime5	2033.6000156403	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2033.5805971622	Sum of GTIs [s]
			ontime7	2033.6000156403	Sum of GTIs [s]
			ontime8	2033.4985171556	Sum of GTIs [s]
			l1events	135266	Number of level 1 events

2.1.4 Events

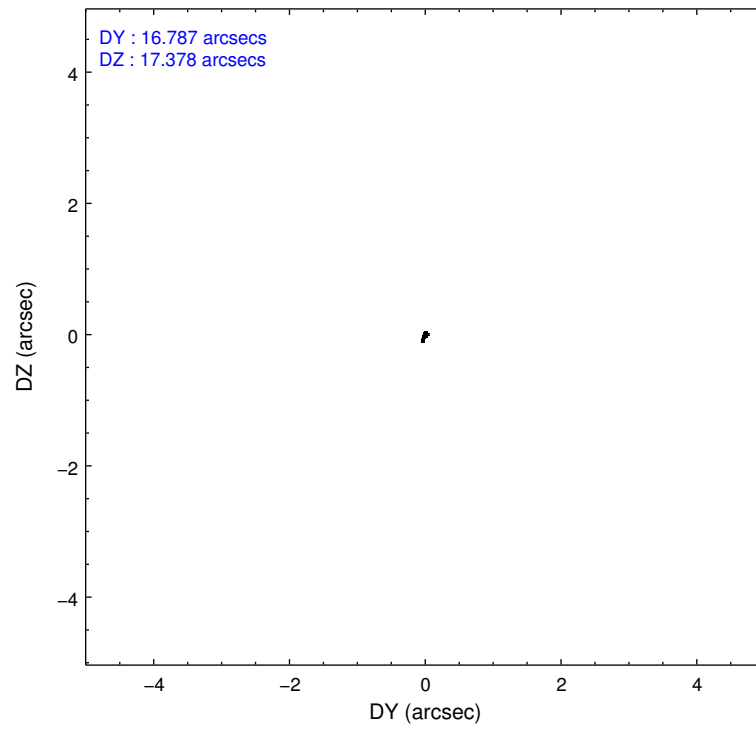
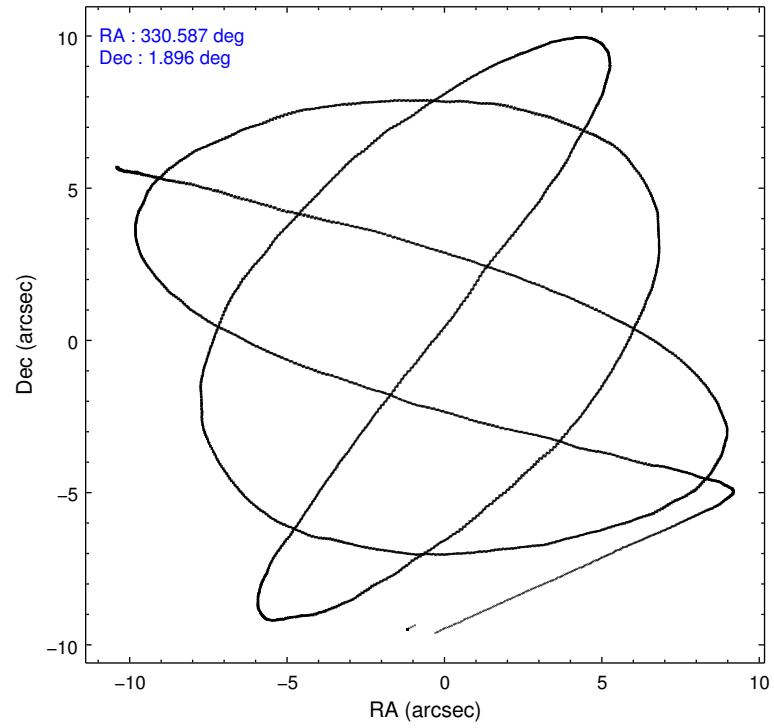
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21262	33990	21946	30633	27435
rejected events	18613	17898	19322	17794	21192
rejected %	87%	52%	88%	58%	77%

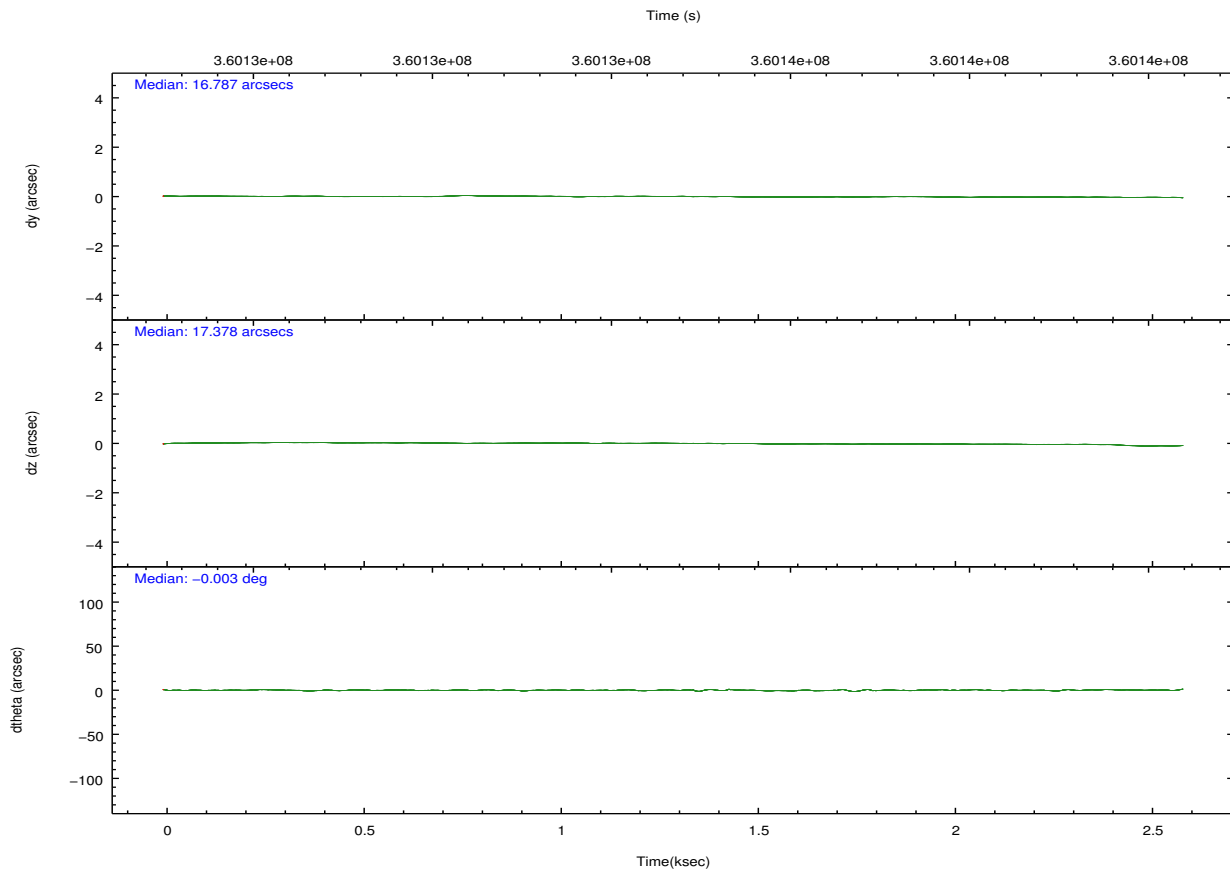
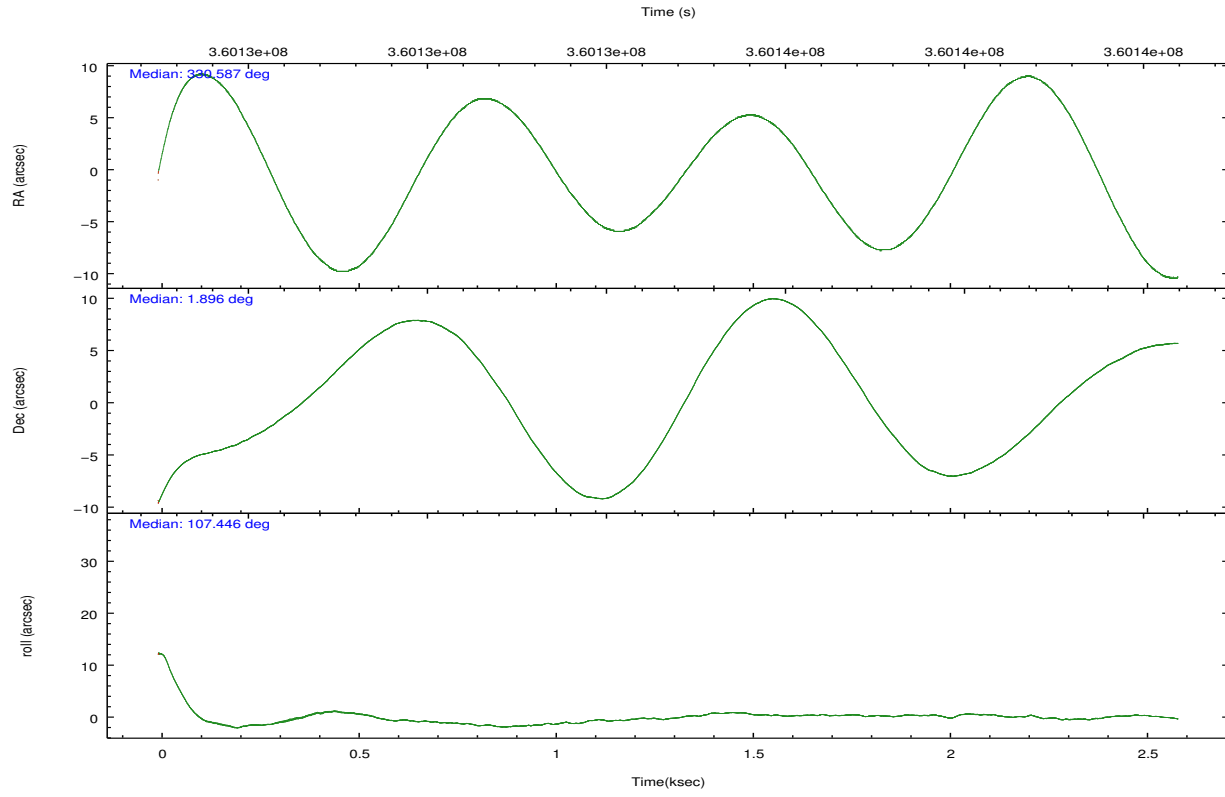
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1123	2056	1025	1172	1912
	5%	6%	4%	3%	6%
grade 1 events	19	43	5	48	18
	0%	0%	0%	0%	0%
grade 2 events	536	4889	580	2617	1529
	2%	14%	2%	8%	5%
grade 3 events	264	535	265	1096	596
	1%	1%	1%	3%	2%
grade 4 events	246	562	233	1097	590
	1%	1%	1%	3%	2%
grade 5 events	1023	2287	1104	2884	1386
	4%	6%	5%	9%	5%
grade 6 events	486	8092	528	6904	1655
	2%	23%	2%	22%	6%
grade 7 events	17565	15526	18206	14815	19749
	82%	45%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	330.606734	330.586360380525	CCD I2 on	N	N
[deg] Pointing Dec	1.877490	1.895631512559455	CCD I3 on	Y	Y
[deg] Pointing Roll	107.299455	107.4567983138143	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	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	Y	Y
[s] Observation start time (MET)	360133954.184000	360132825.52978	CCD S5 on	N	N
Observation start date	2009-05-31T05:11:28	2009-05-31T04:53:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	360135954.184000	360136698.49248	On-chip summing requested	N	N
Observation end date	2009-05-31T05:44:48	2009-05-31T05:58:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



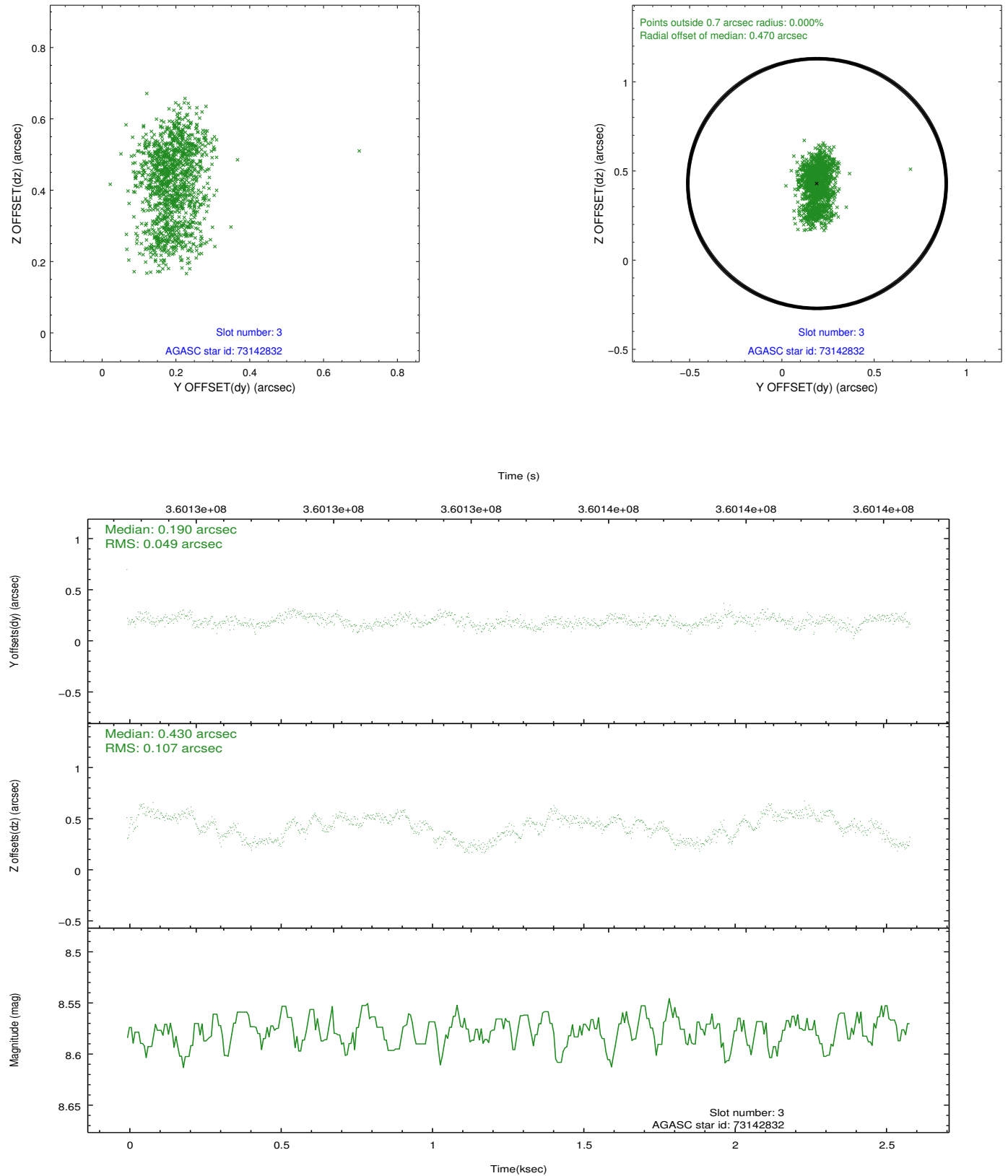


Slot Statistics

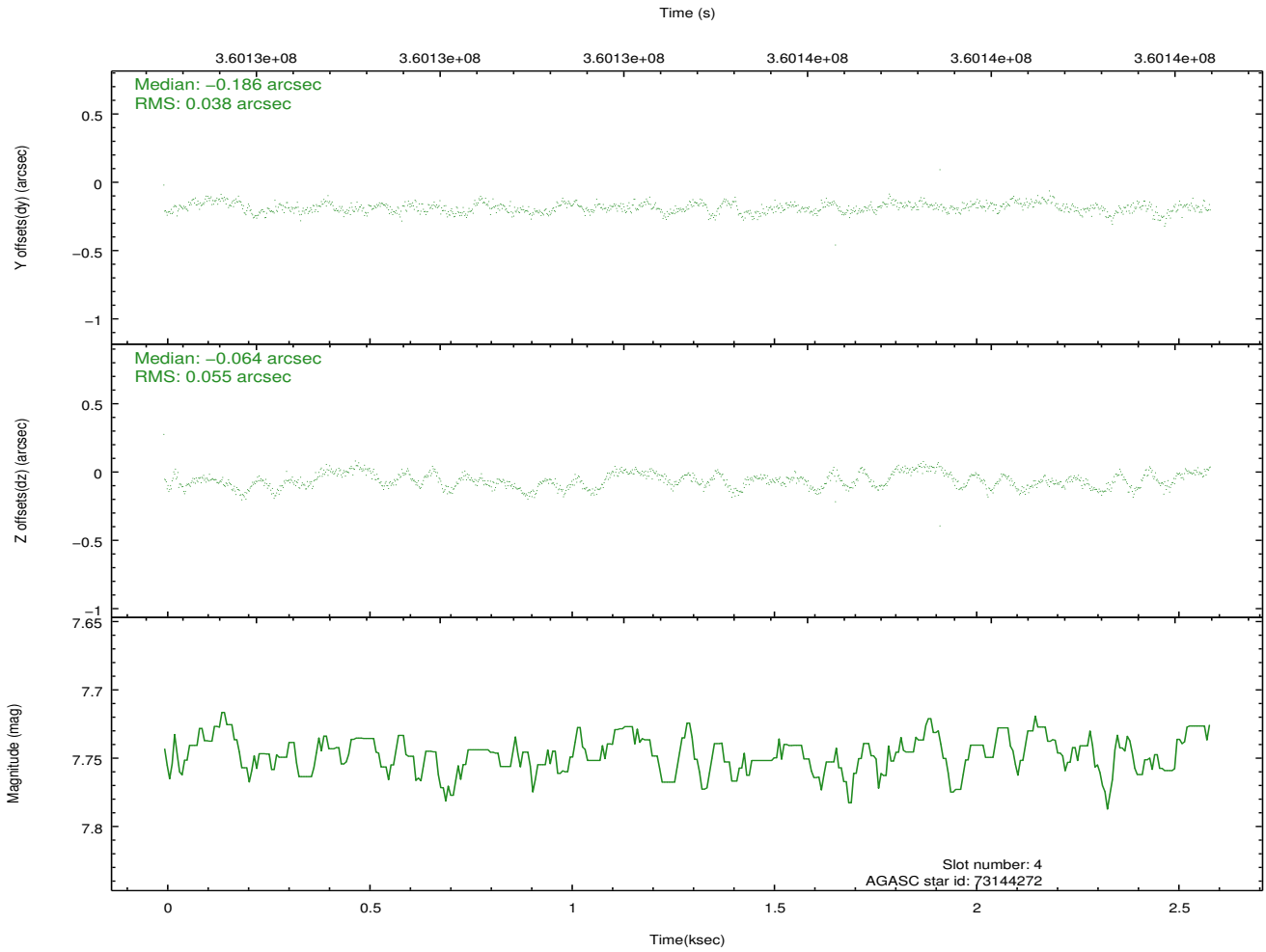
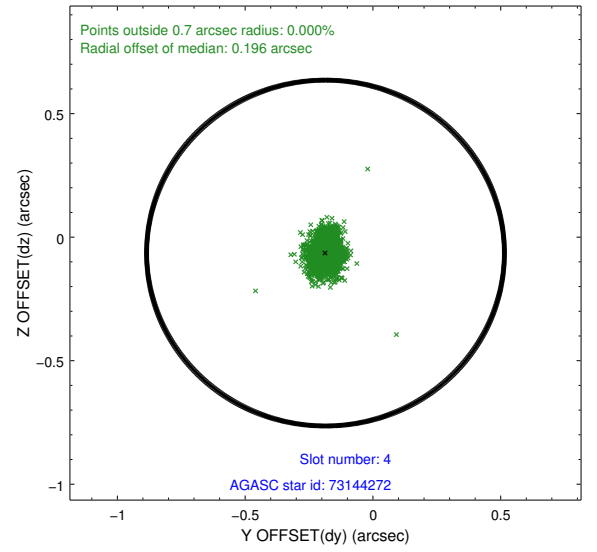
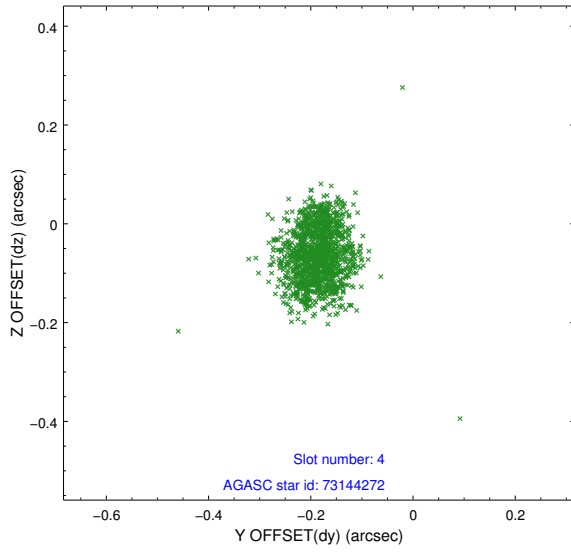
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	632	-0.053	-0.025	0.007	0.011	0.000000	0.000000	-769.90	-1738.77
1	FID	ACIS-S-4	6.95	632	0.138	0.033	0.005	0.011	0.000000	0.000000	2142.47	167.12
2	FID	ACIS-S-5	6.99	632	-0.116	0.001	0.005	0.009	0.000000	0.000000	-1819.57	163.68
3	GUIDE	73142832	8.58	1263	0.190	0.430	0.128	0.203	331.194922	1.774164	-983.37	-1909.53
4	GUIDE	73144272	7.75	1263	-0.186	-0.064	0.071	0.109	330.176539	1.841075	334.27	1515.76
5	GUIDE	73147984	8.26	1263	0.096	-0.413	0.067	0.112	330.125071	1.321357	-1395.50	2251.32
6	GUIDE	73533280	9.11	1262	-0.295	0.185	0.108	0.165	331.073389	2.605901	2004.25	-2380.98
7	GUIDE	73148256	8.11	1262	0.187	-0.123	0.067	0.109	330.118331	1.216898	-1746.35	2383.32

2.4 Star Slots

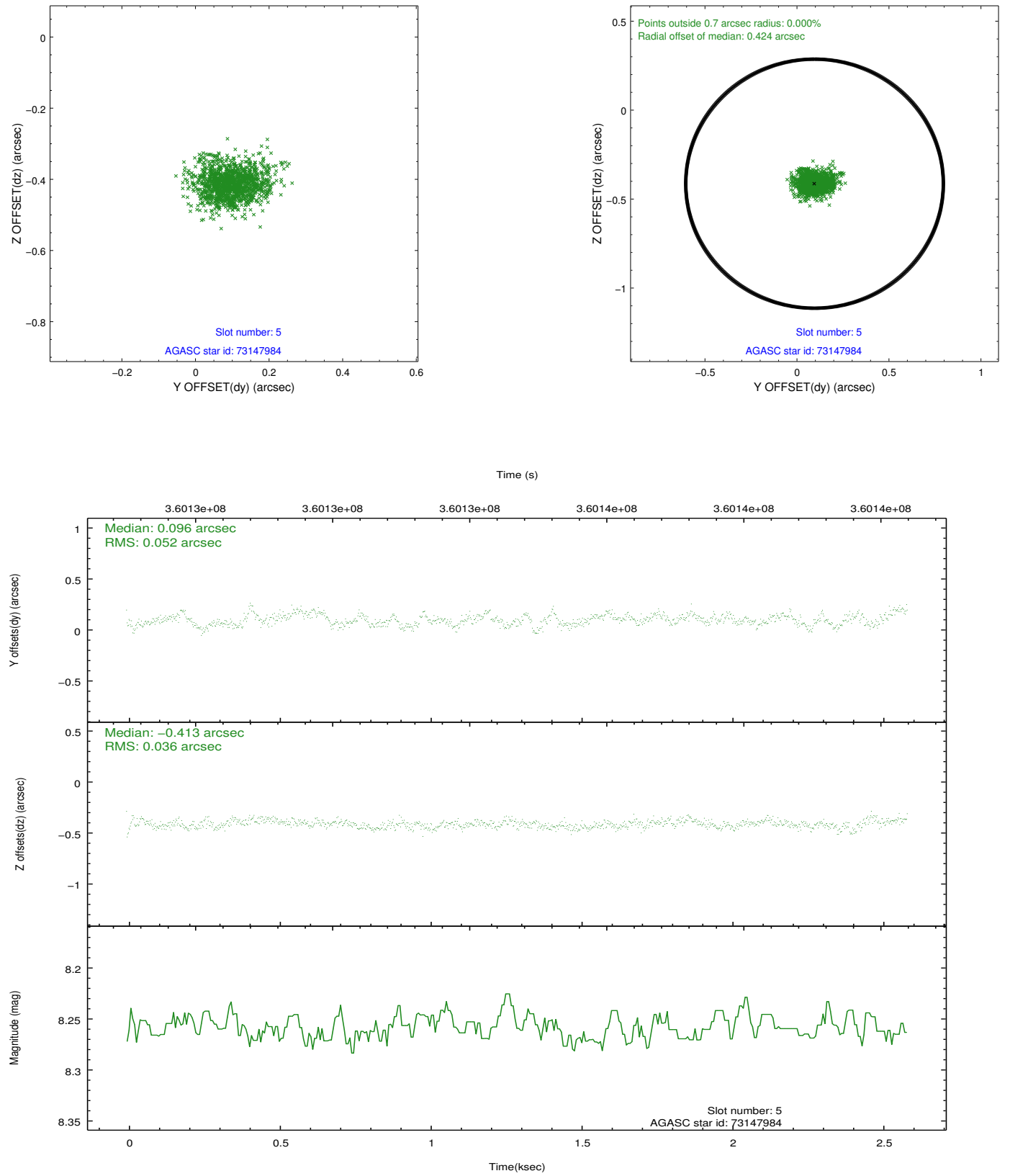
2.4.1 Slot 3



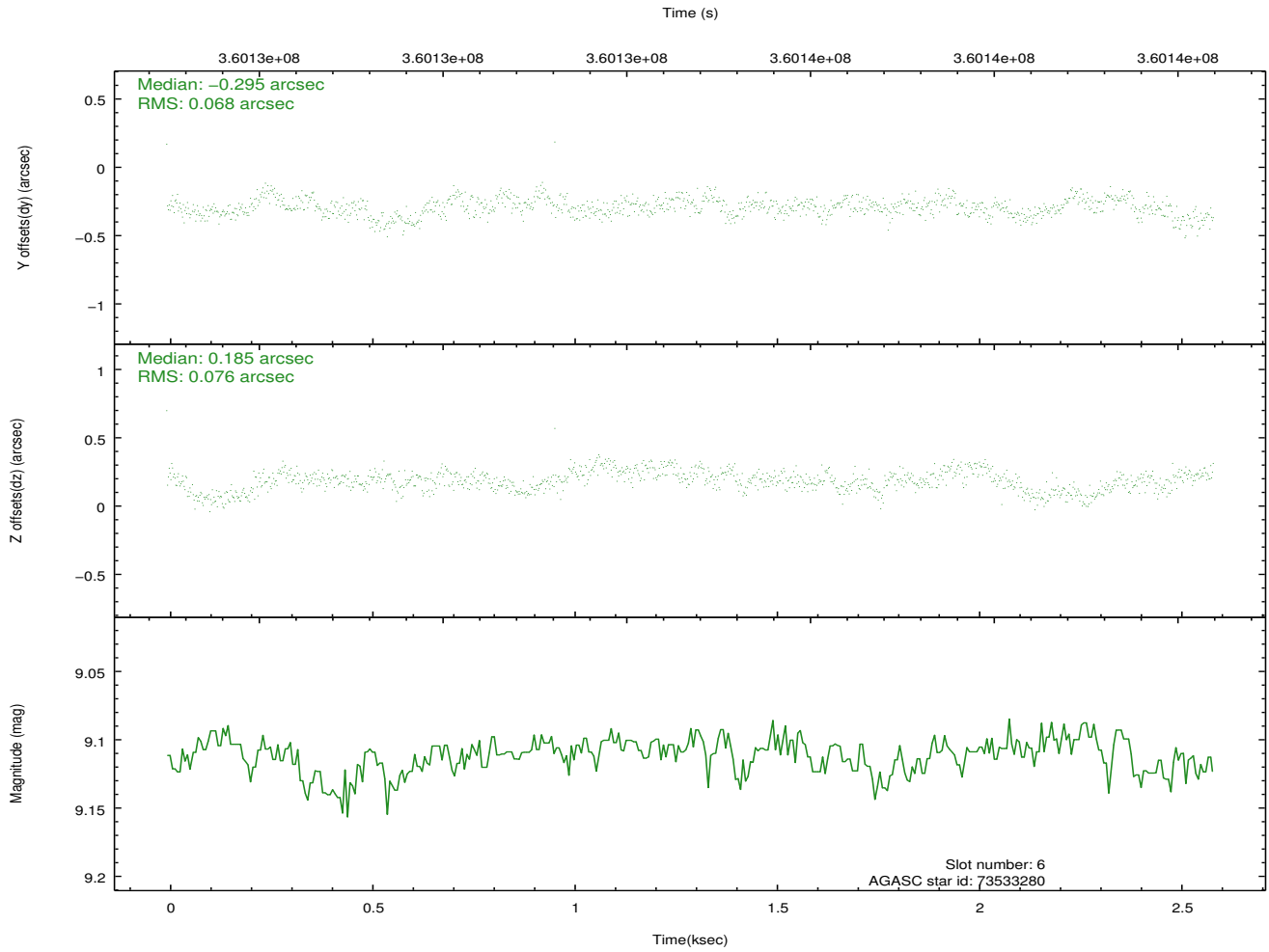
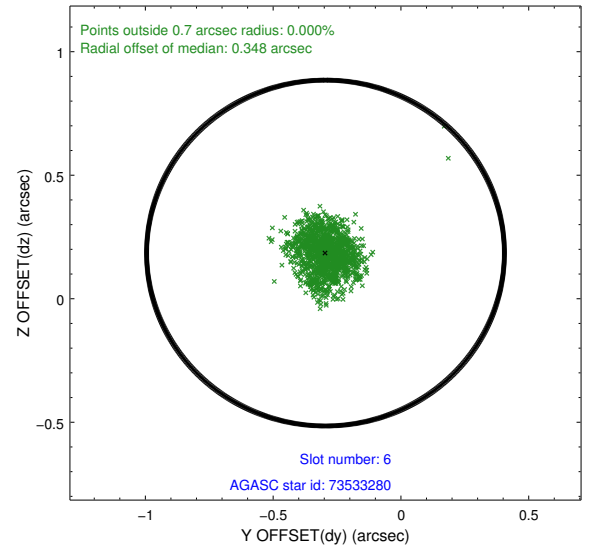
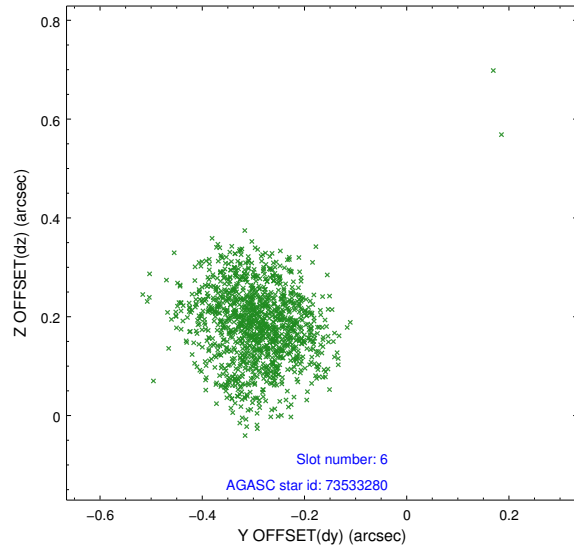
2.4.2 Slot 4



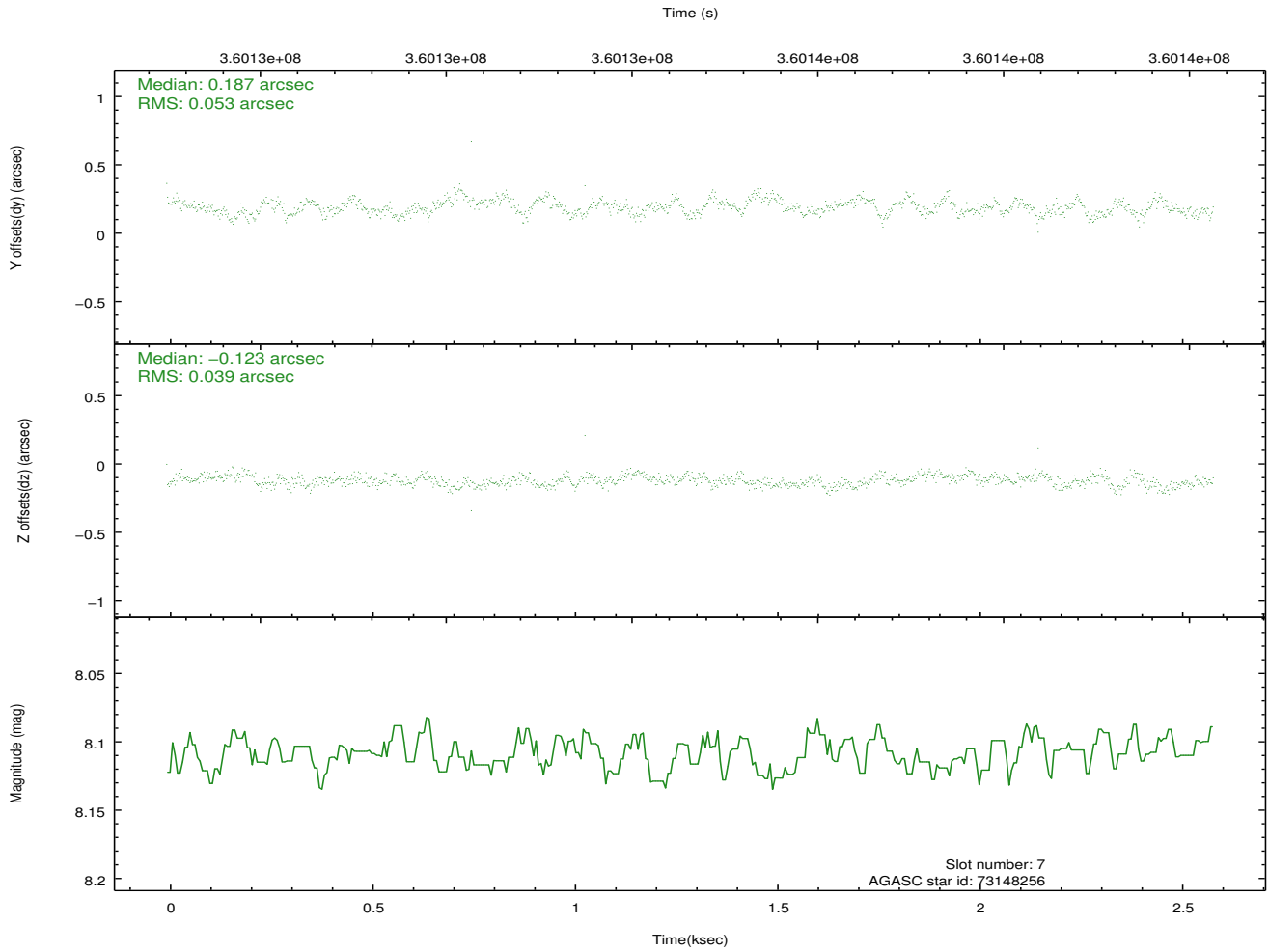
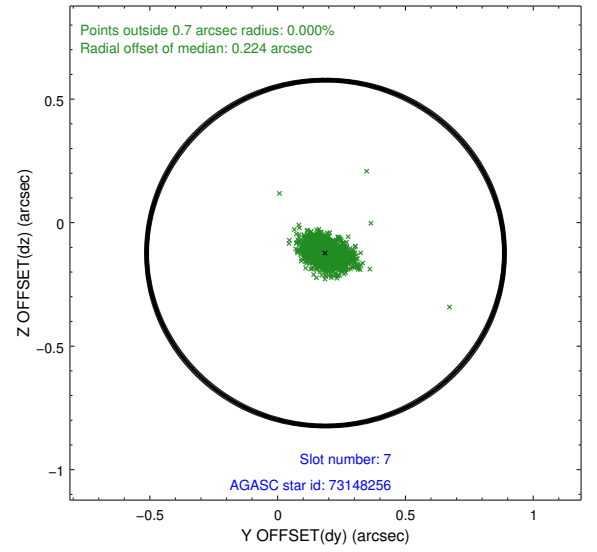
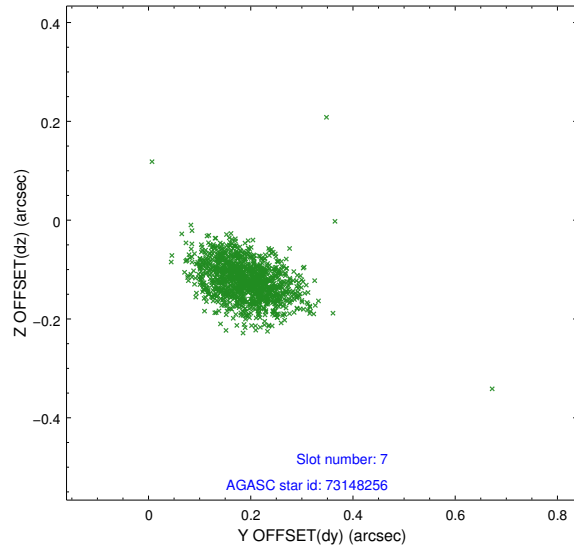
2.4.3 Slot 5



2.4.4 Slot 6

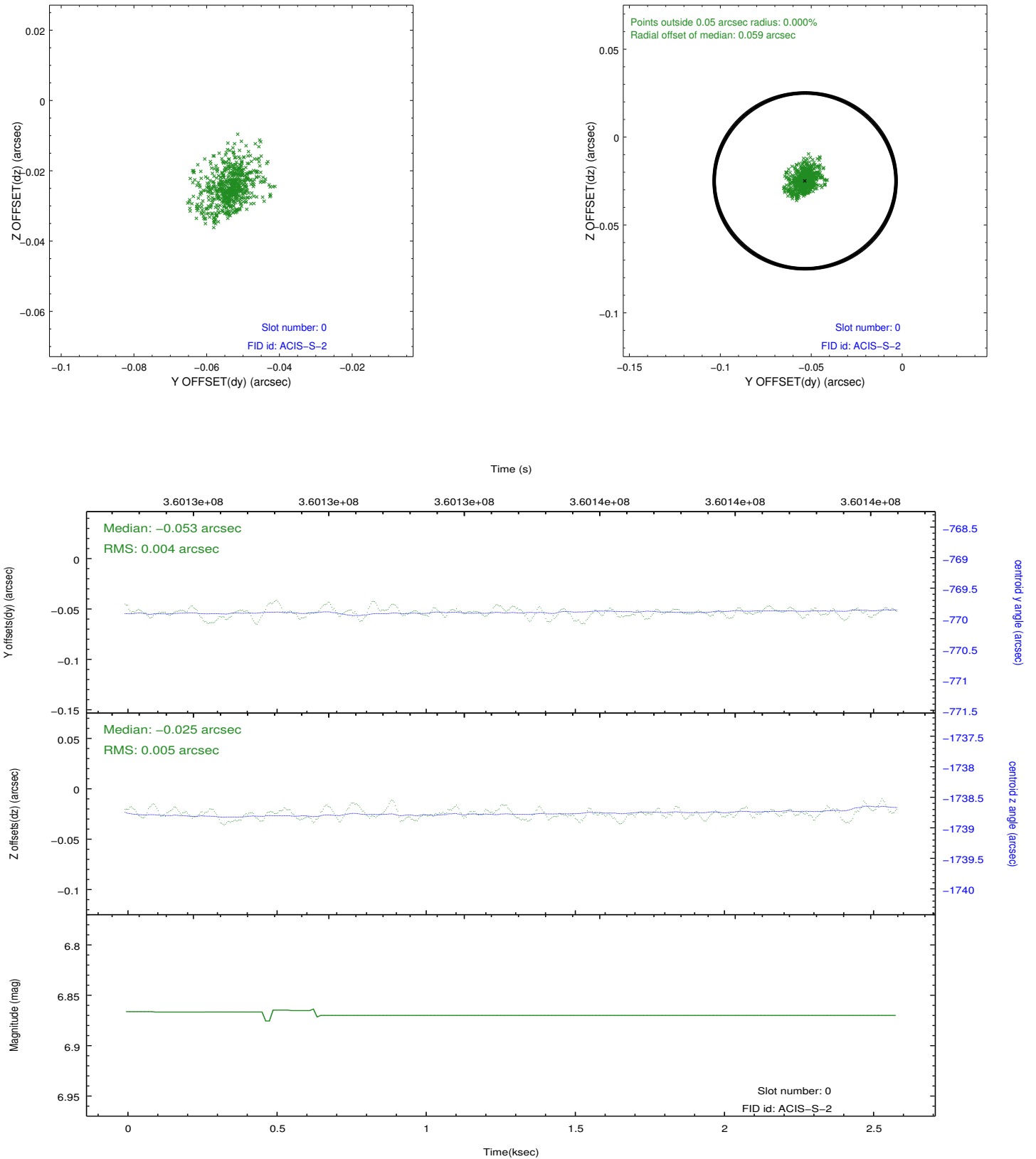


2.4.5 Slot 7

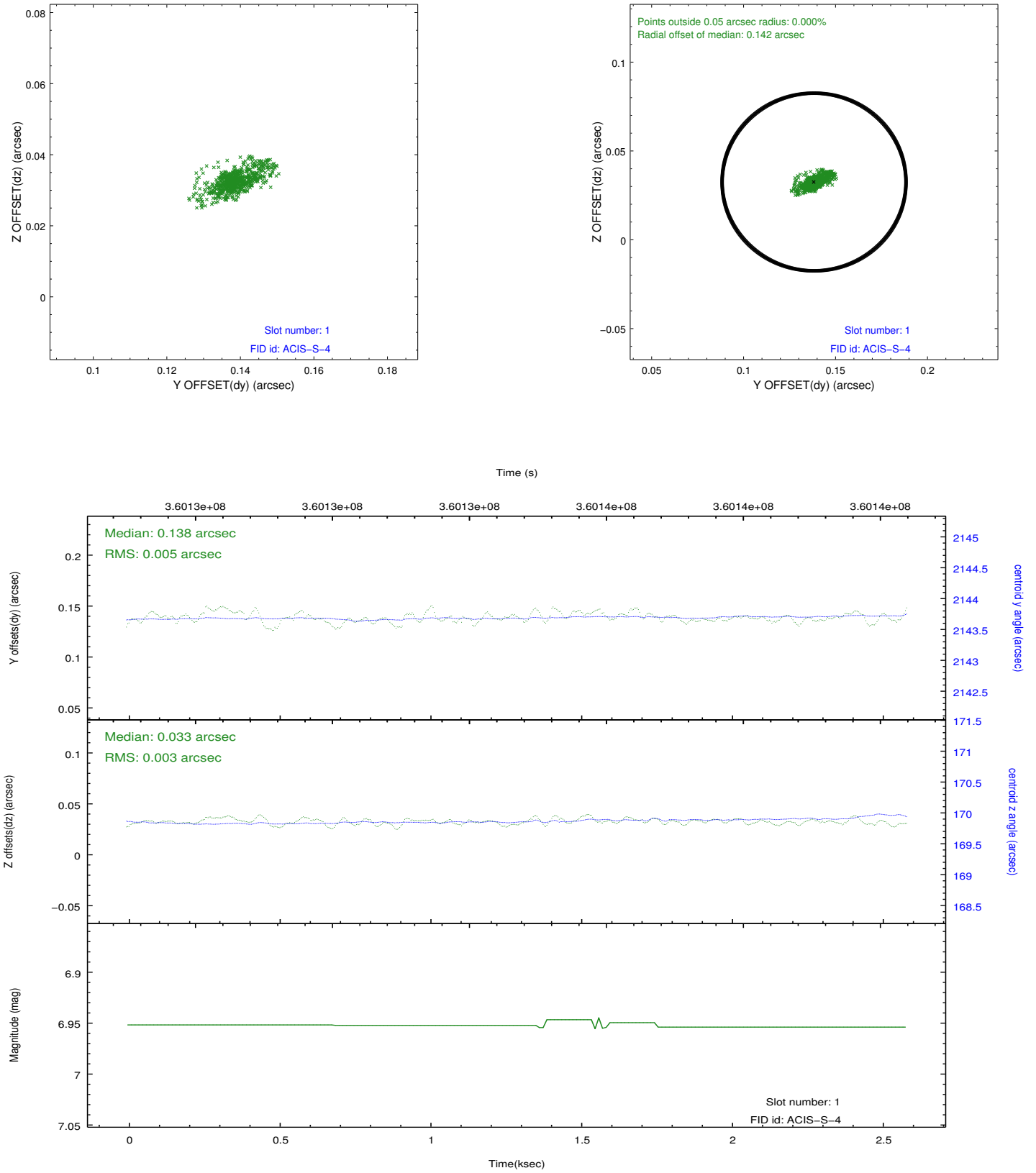


2.5 FID Slots

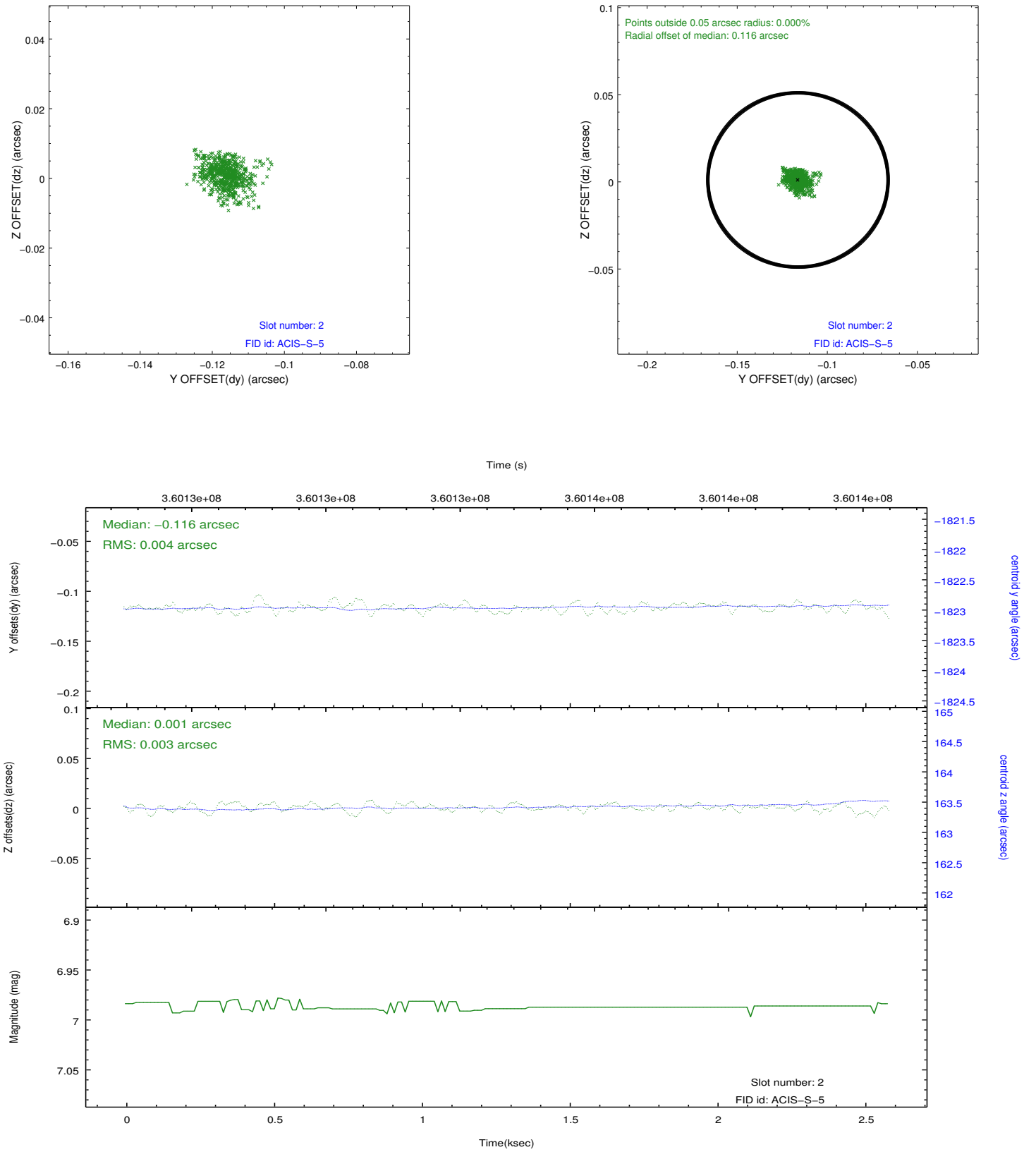
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03360001

A.2 Comments