

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10475 - L2 Version 2
Chandra X-Ray Center

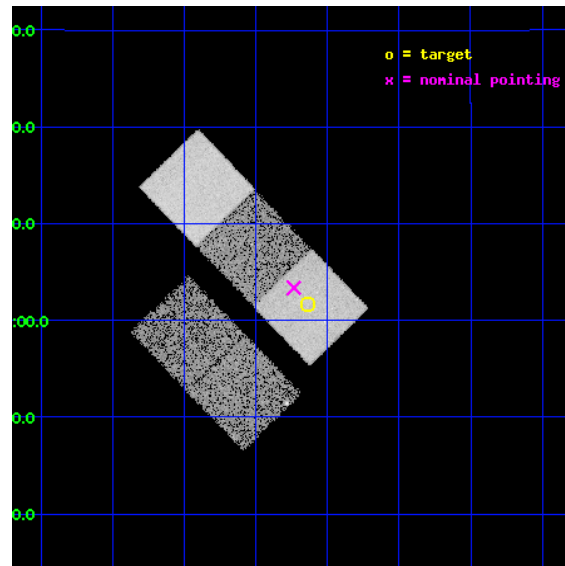
L2 Processing Date : May 28 2012

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1 Front

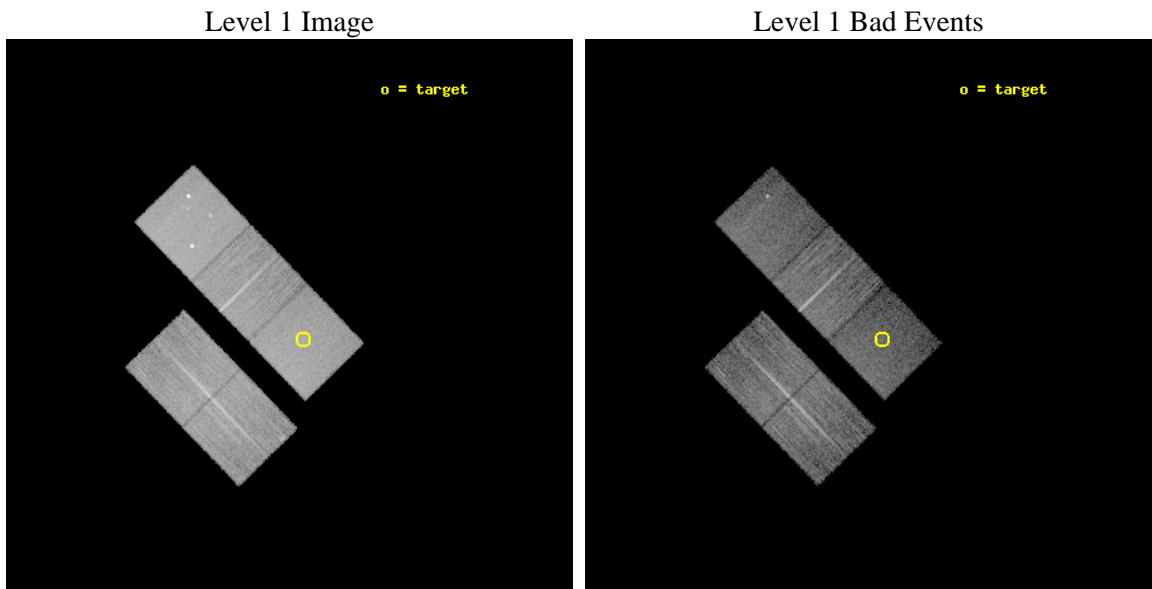
seq_num	800833	Sequence number
obs_id	10475	Observation id
title	The Origin and Evolution of Fossil Groups	Proposal title
observer	Dr. Eli Rykoff	Principal investigator
object	SDSS J0906+0301	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.659583	Observer's specified target RA [deg]
dec_targ	3.027556	Observer's specified target Dec [deg]
ra_nom	136.6839091832	Nominal RA [deg]
dec_nom	3.0561527078163	Nominal Dec [deg]
roll_nom	45.946445969657	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10177.300078273	Sum of GTIs [s]
livetime	10044.326160331	Livetime [s]
ontime2	10177.300078273	Sum of GTIs [s]
ontime3	10177.300078273	Sum of GTIs [s]
ontime5	10177.300078273	Sum of GTIs [s]
ontime6	10177.300078273	Sum of GTIs [s]
ontime7	10177.300078273	Sum of GTIs [s]
l2events	118956	Number of level 2 events



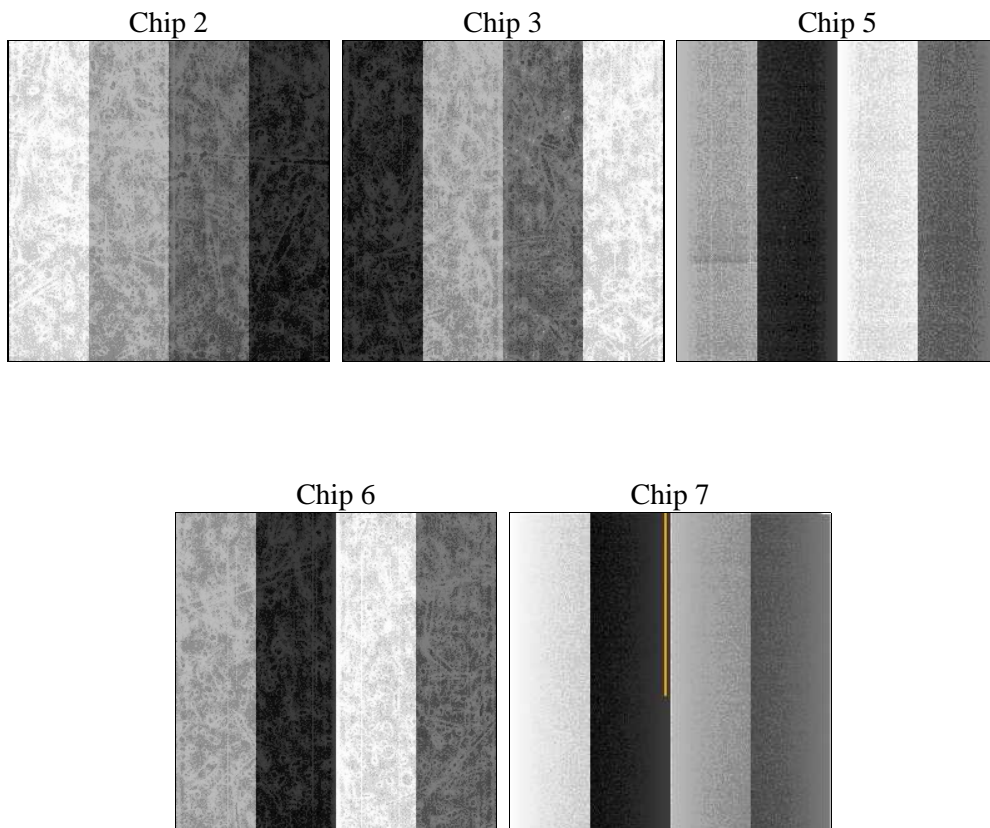
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10177.300078273	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	10177.300078273	Sum of GTIs [s]
date	2012-05-29T01:25:00	Date and time of file creation	ontime3	10177.300078273	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	10177.300078273	Sum of GTIs [s]
			ontime6	10177.300078273	Sum of GTIs [s]
			ontime7	10177.300078273	Sum of GTIs [s]
			l1events	521183	Number of level 1 events

2.1.4 Events

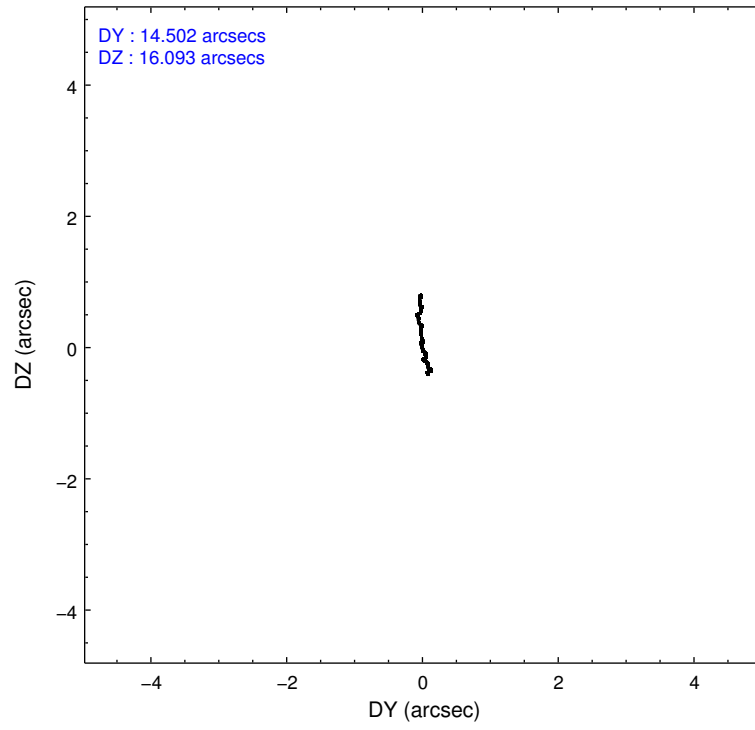
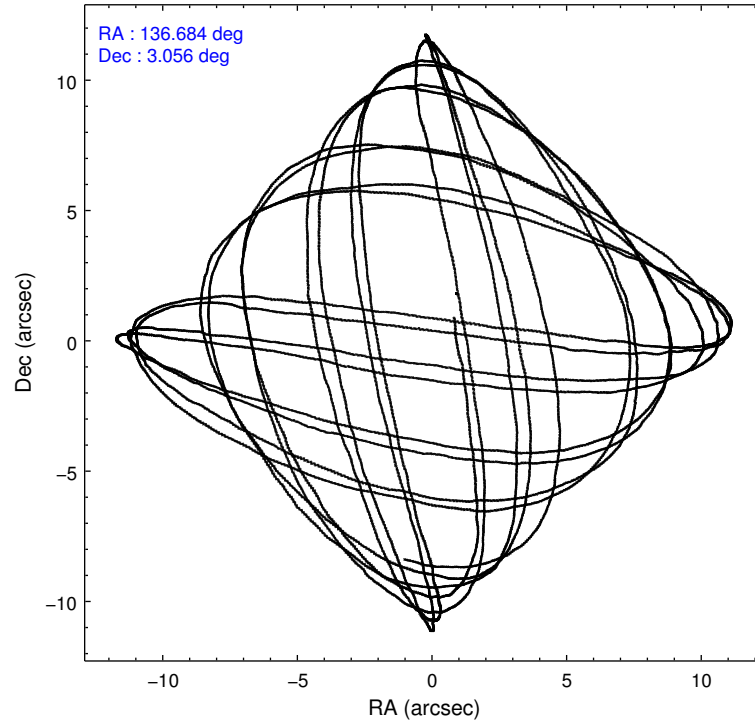
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	95235	92521	133986	94562	104879
rejected events	86988	84250	72338	85679	61607
rejected %	91%	91%	53%	90%	58%

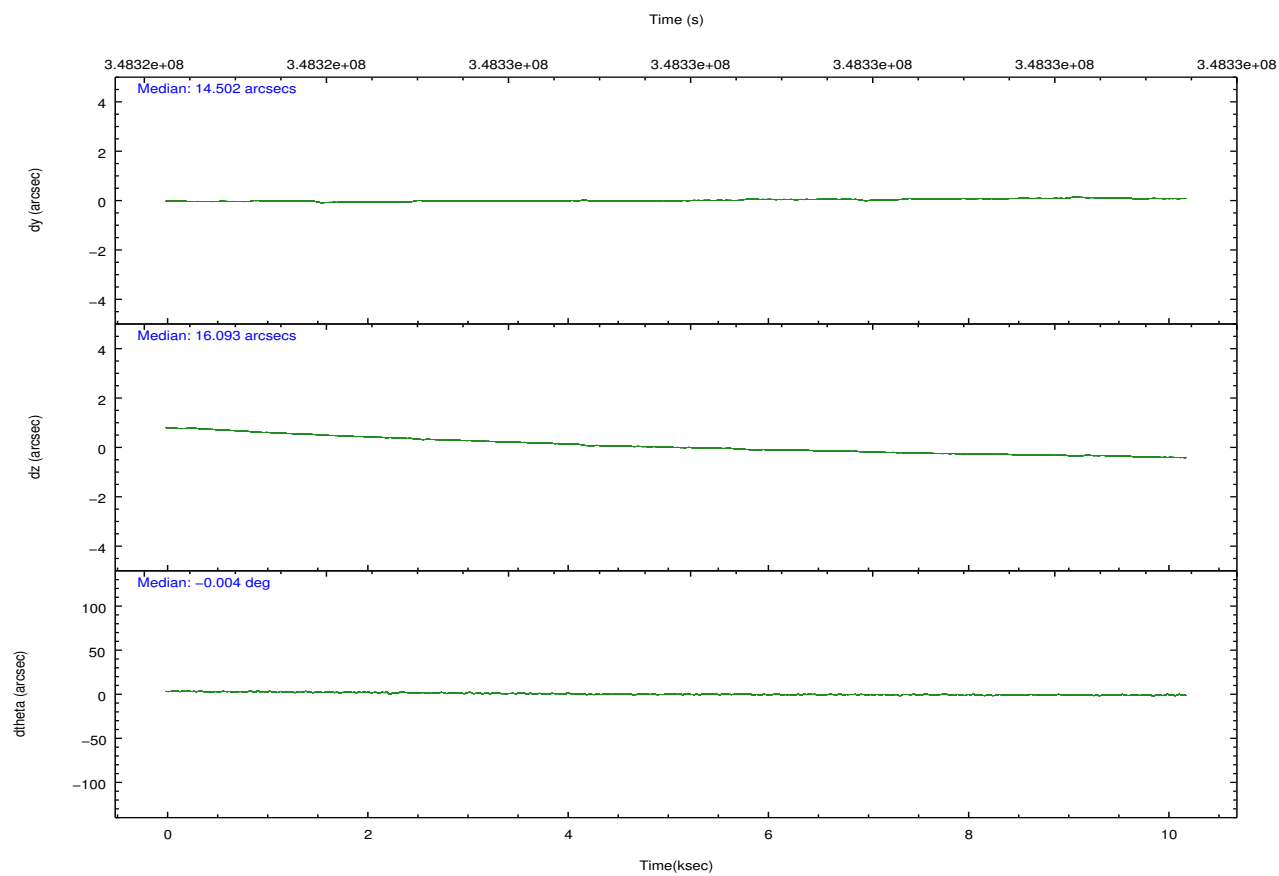
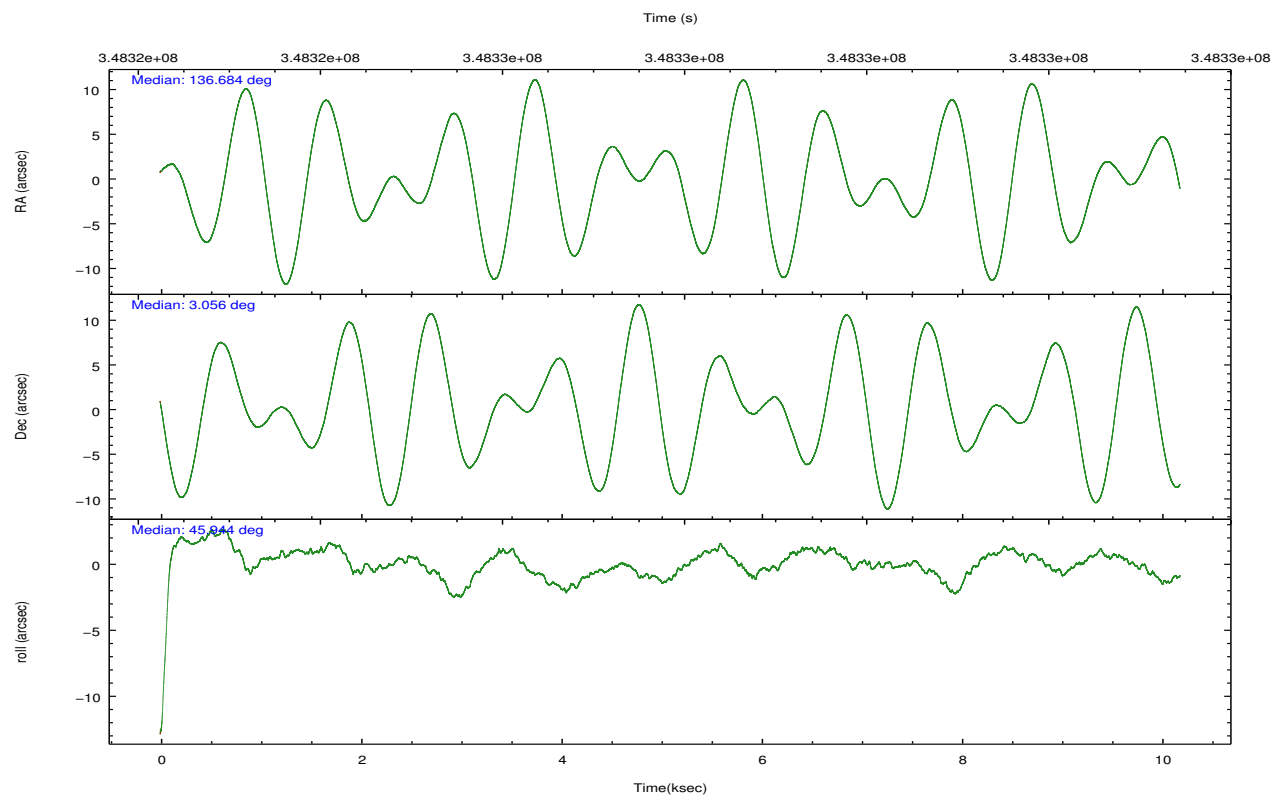
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	3197	3377	8388	3470	4632
	3%	3%	6%	3%	4%
grade 1 events	52	60	266	39	155
	0%	0%	0%	0%	0%
grade 2 events	2303	2056	21095	2277	9931
	2%	2%	15%	2%	9%
grade 3 events	1000	999	2791	1072	4406
	1%	1%	2%	1%	4%
grade 4 events	982	1030	2625	1002	4341
	1%	1%	1%	1%	4%
grade 5 events	3047	3782	10447	3753	11105
	3%	4%	7%	3%	10%
grade 6 events	1695	1788	34007	2113	25048
	1%	1%	25%	2%	23%
grade 7 events	82959	79429	54367	80836	45261
	87%	85%	40%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	136.677619	136.6839091831977	CCD I2 on	O1	Y
[deg] Pointing Dec	3.029568	3.056152707816345	CCD I3 on	O2	Y
[deg] Pointing Roll	45.790150	45.94644596965749	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	N	N
[s] Observation start time (MET)	348322923.184000	348321326.10535	CCD S5 on	N	N
Observation start date	2009-01-14T12:20:57	2009-01-14T11:55:26	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	348332923.184000	348333784.98097	On-chip summing requested	N	N
Observation end date	2009-01-14T15:07:37	2009-01-14T15:23:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



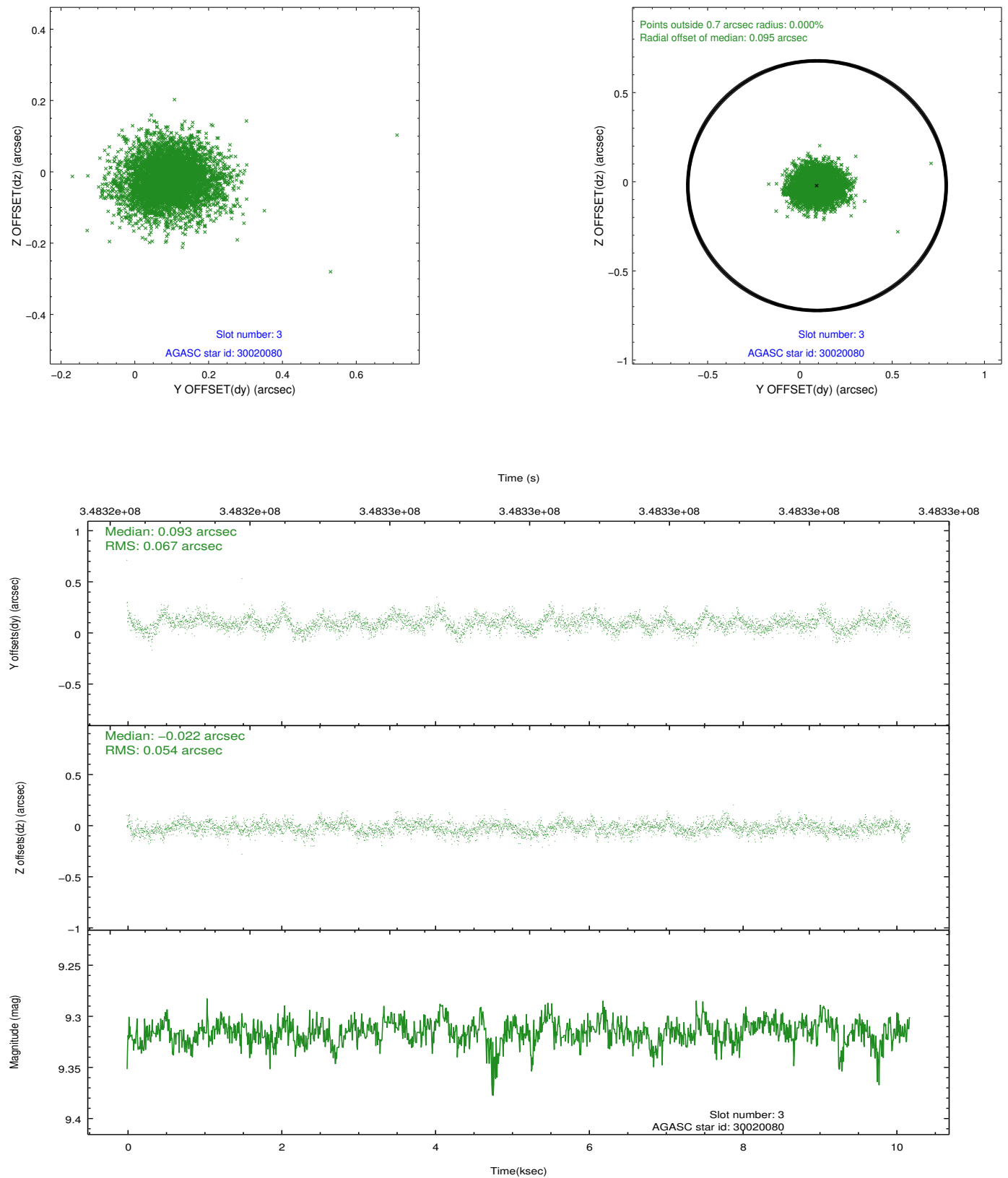


Slot Statistics

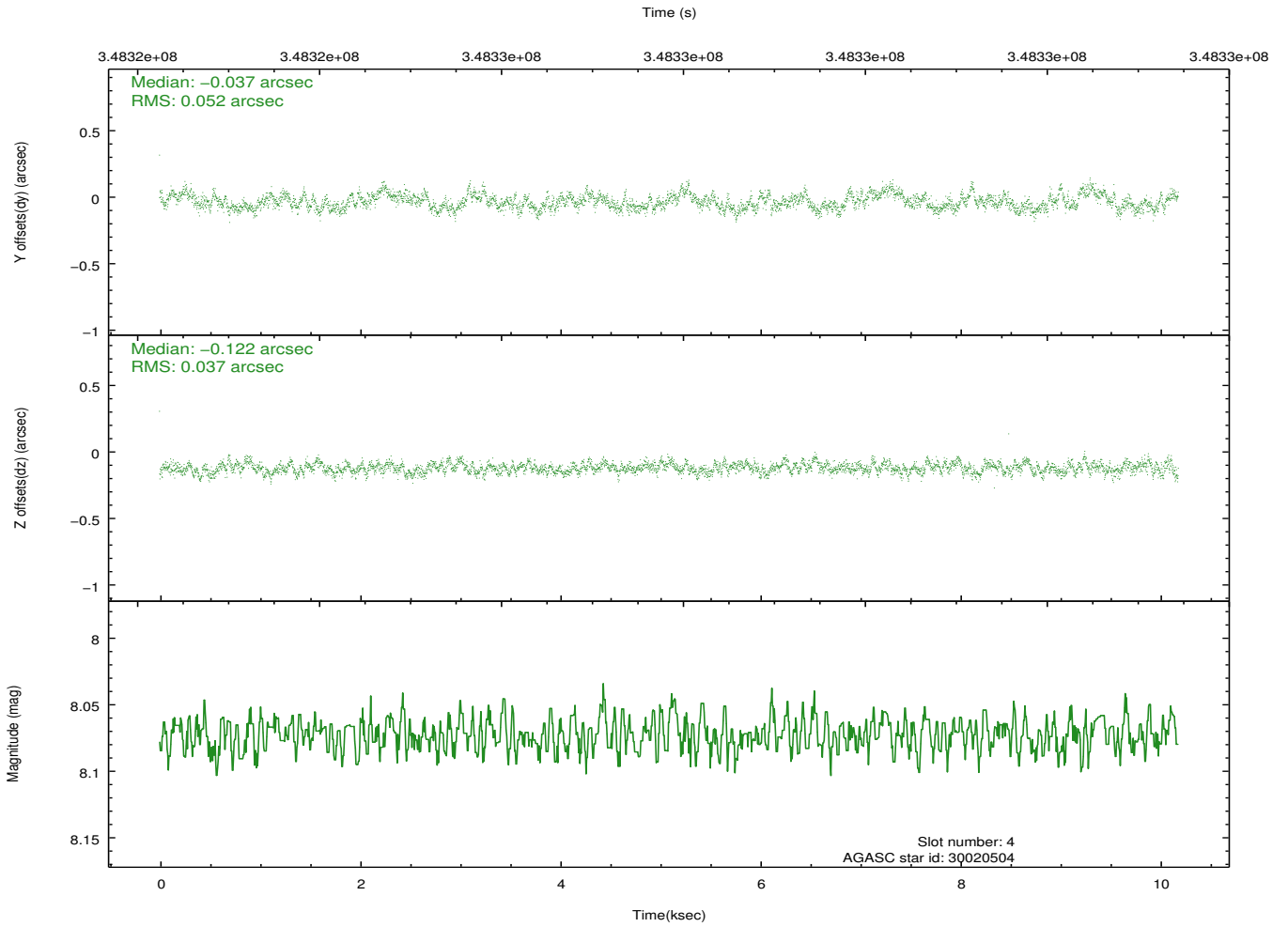
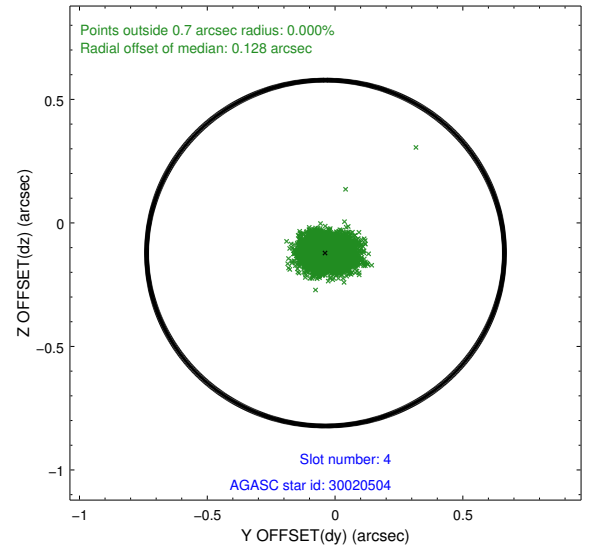
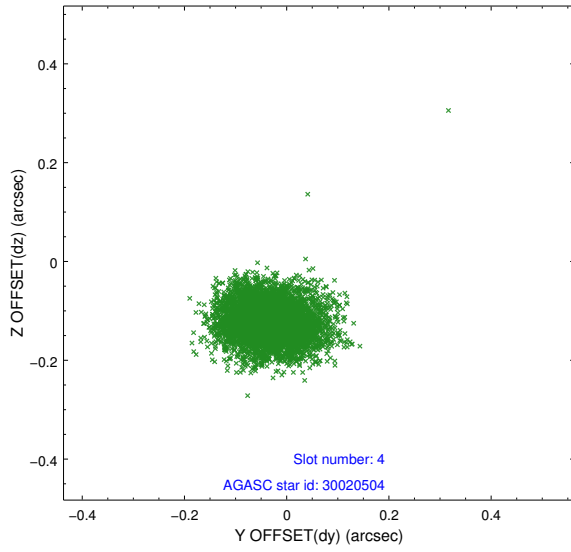
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2485	-0.069	-0.020	0.012	0.021	0.000000	0.000000	-767.55	-1737.59
1	FID	ACIS-S-4	6.97	2485	0.191	0.038	0.007	0.013	0.000000	0.000000	2145.76	170.40
2	FID	ACIS-S-5	7.00	2485	-0.154	-0.011	0.012	0.023	0.000000	0.000000	-1819.81	164.63
3	GUIDE	30020080	9.32	4965	0.093	-0.022	0.091	0.151	136.147173	2.739961	-2076.75	640.49
4	GUIDE	30020504	8.07	4965	-0.037	-0.122	0.068	0.109	136.634200	3.859872	2033.58	2196.27
5	GUIDE	30030552	8.71	4964	0.050	-0.038	0.074	0.113	136.276122	2.942537	-1230.37	816.99
6	GUIDE	30033472	9.19	4964	-0.102	0.072	0.093	0.153	137.346464	3.236550	2210.52	-1202.60
7	GUIDE	30033936	9.03	4963	-0.004	0.114	0.092	0.150	137.096402	3.169905	1412.12	-726.22

2.4 Star Slots

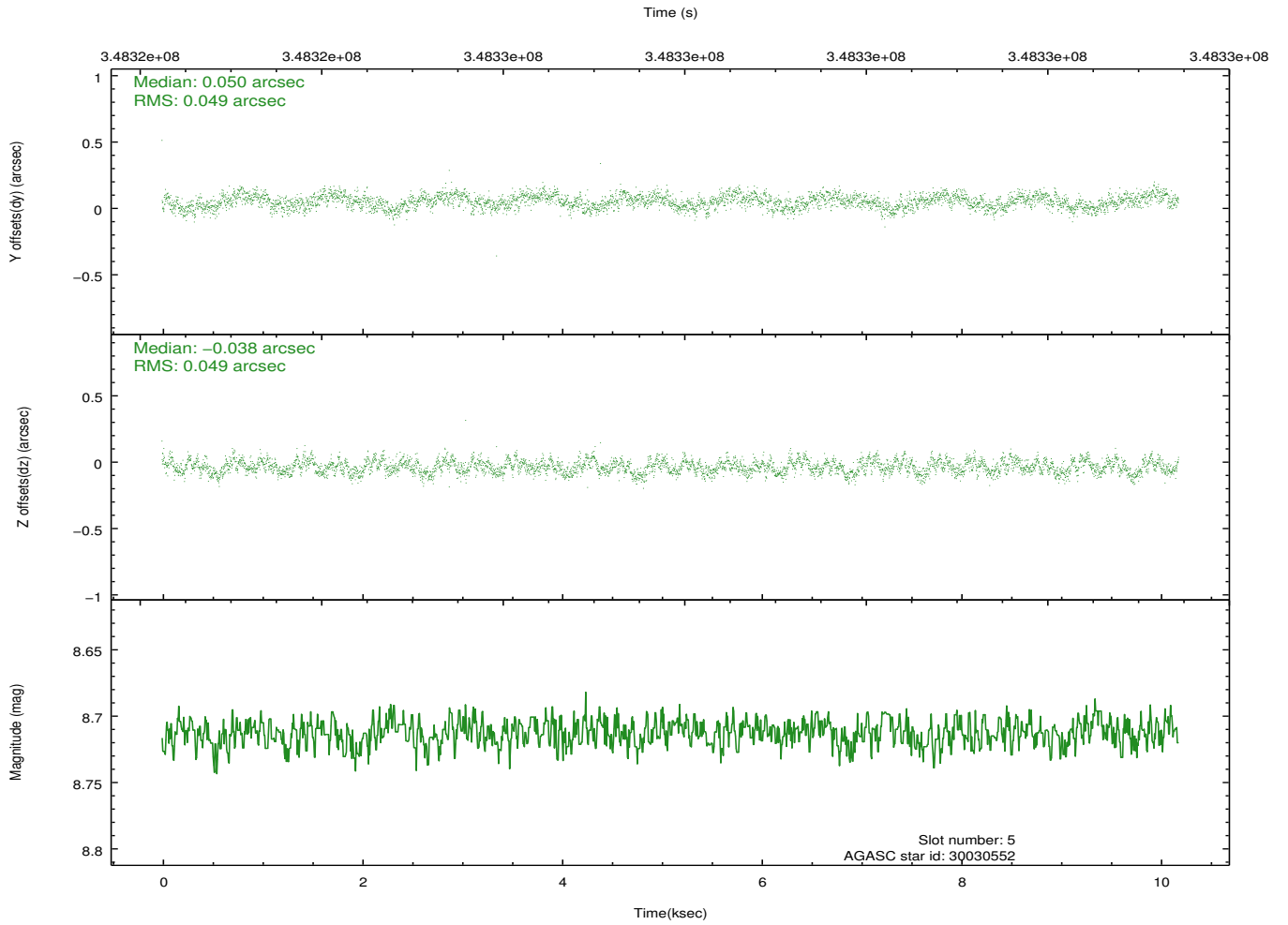
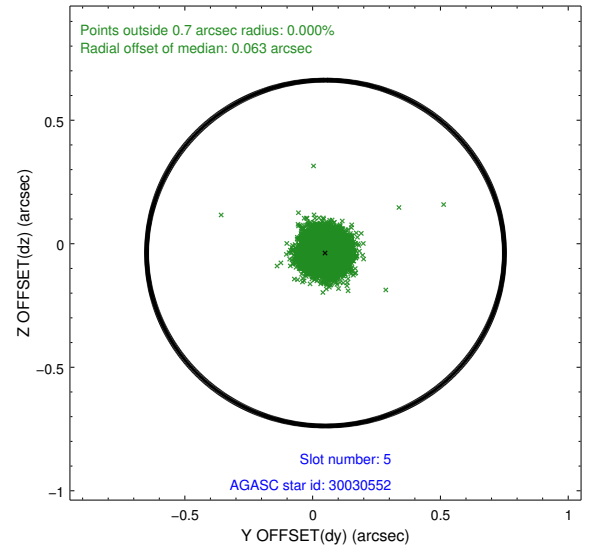
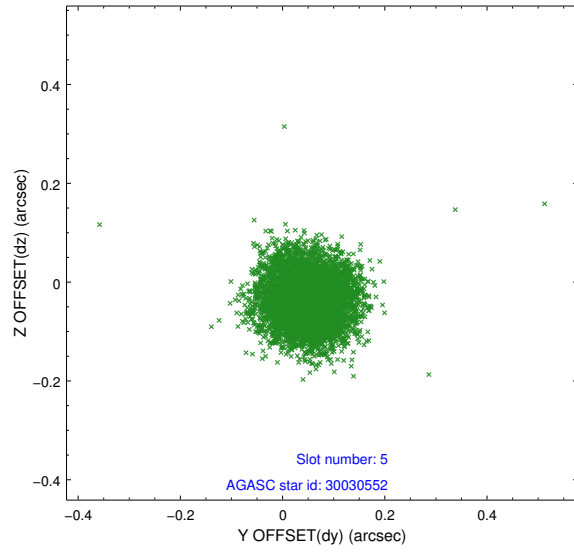
2.4.1 Slot 3



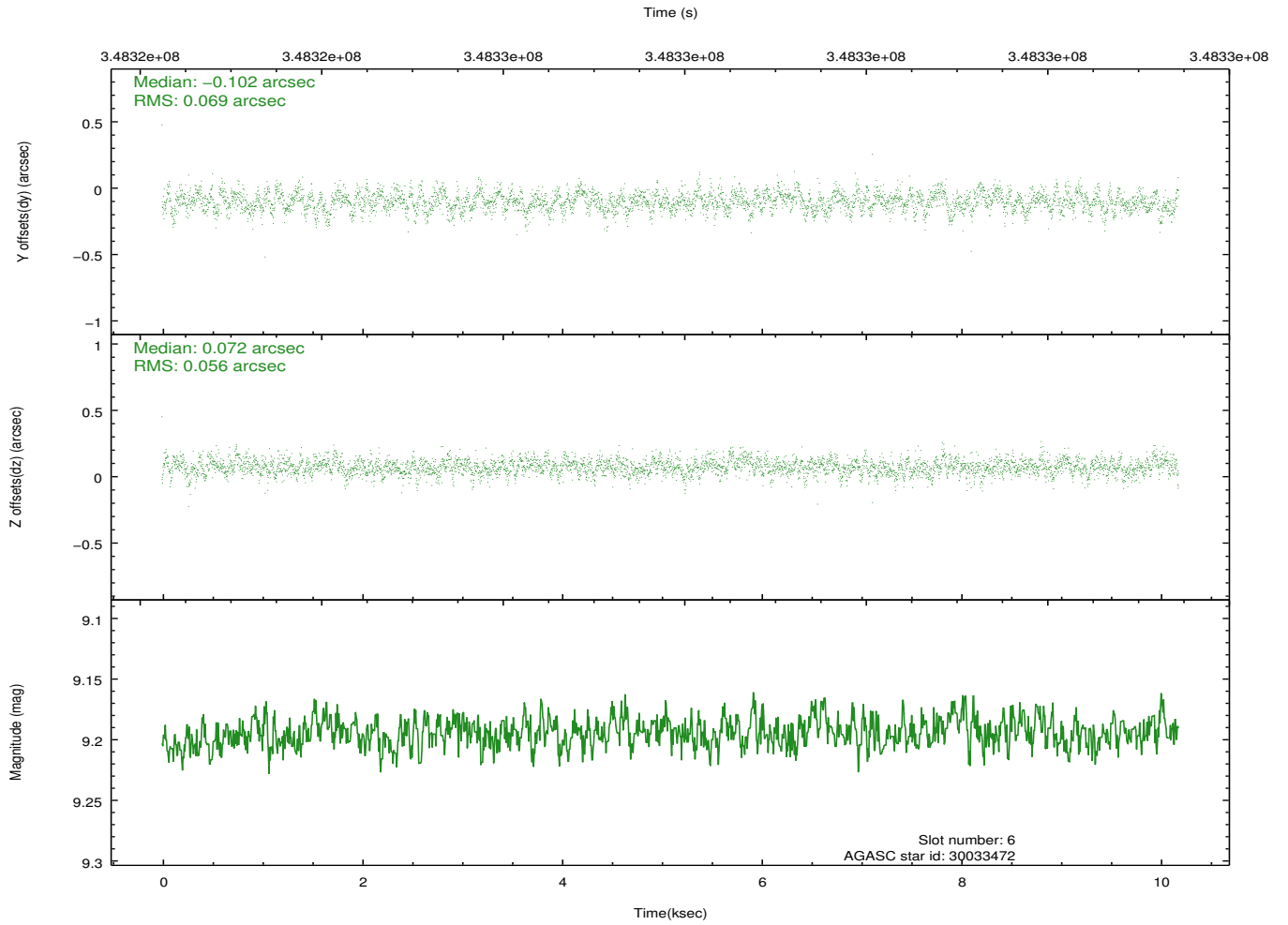
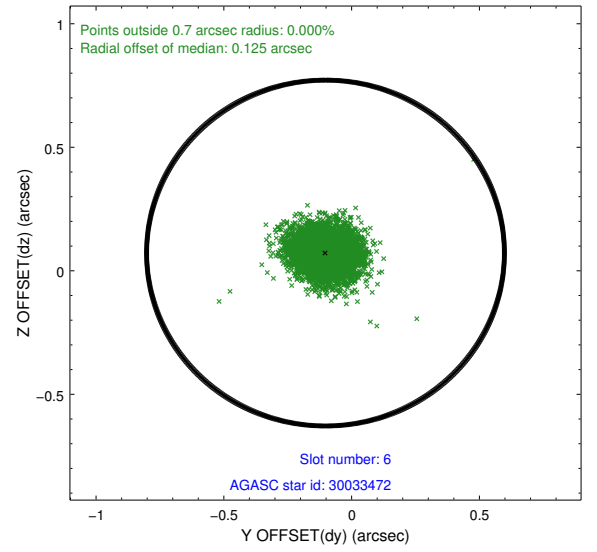
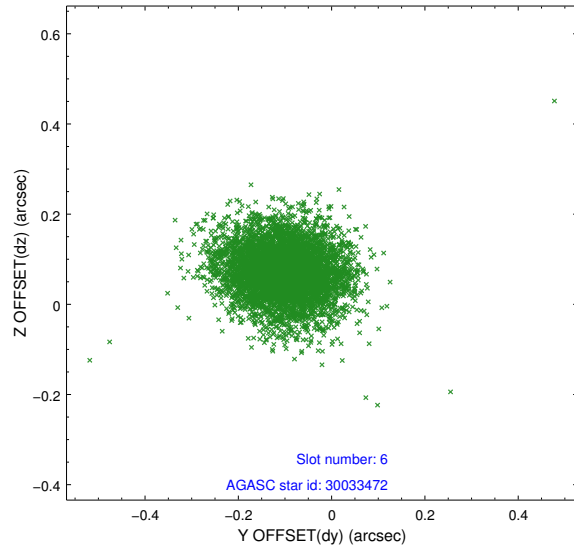
2.4.2 Slot 4



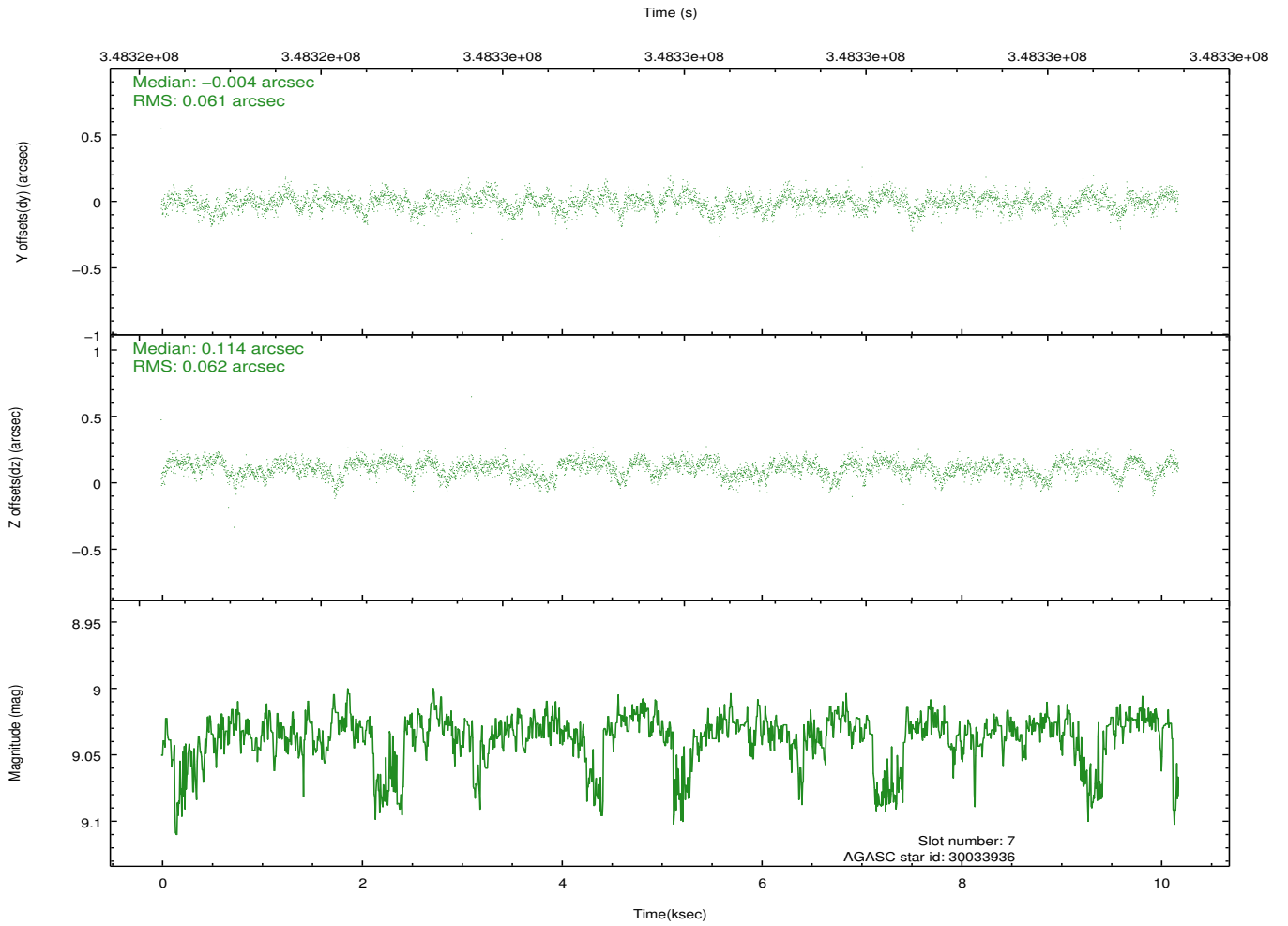
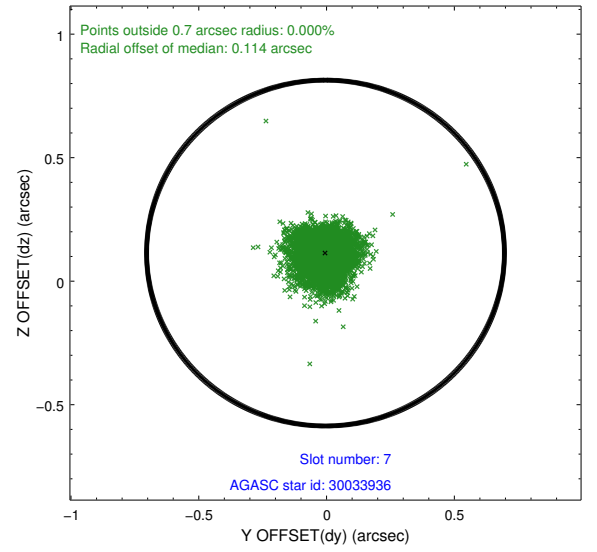
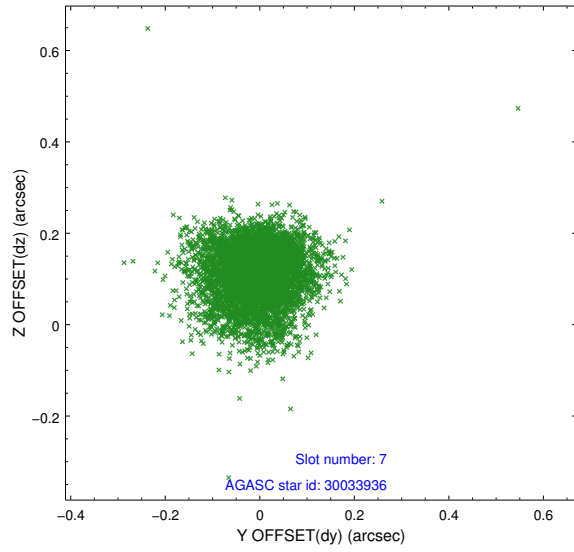
2.4.3 Slot 5



2.4.4 Slot 6

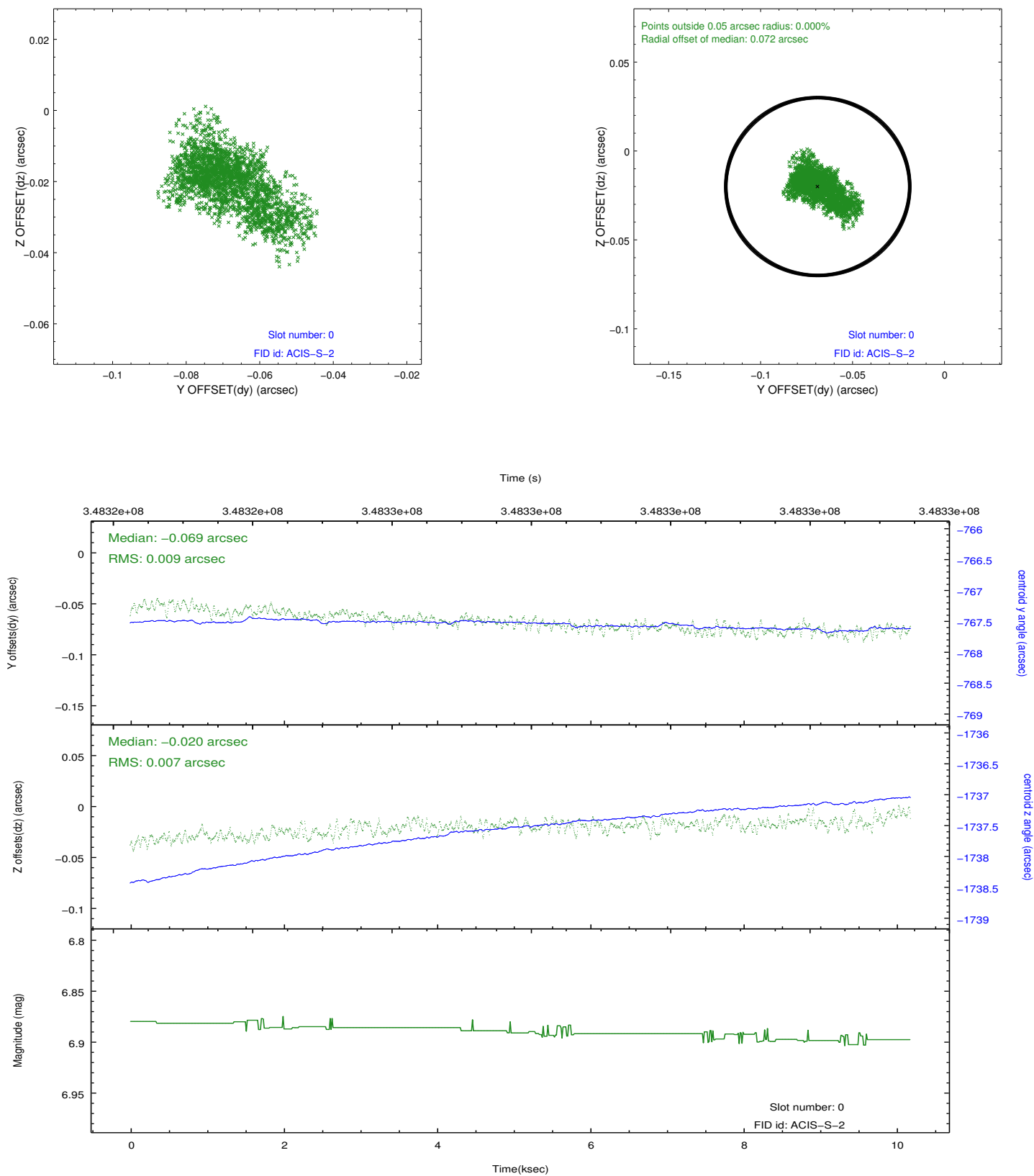


2.4.5 Slot 7

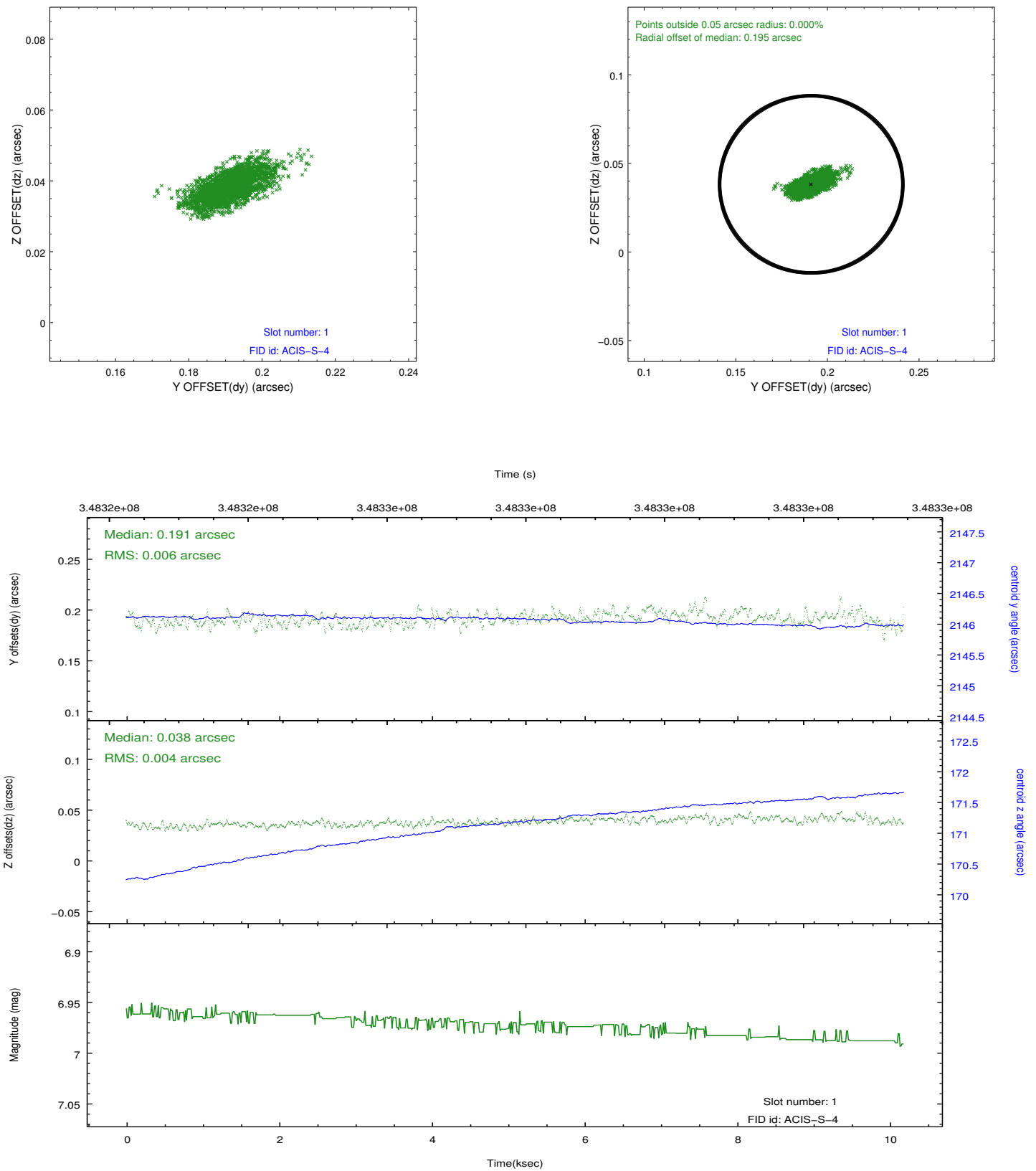


2.5 FID Slots

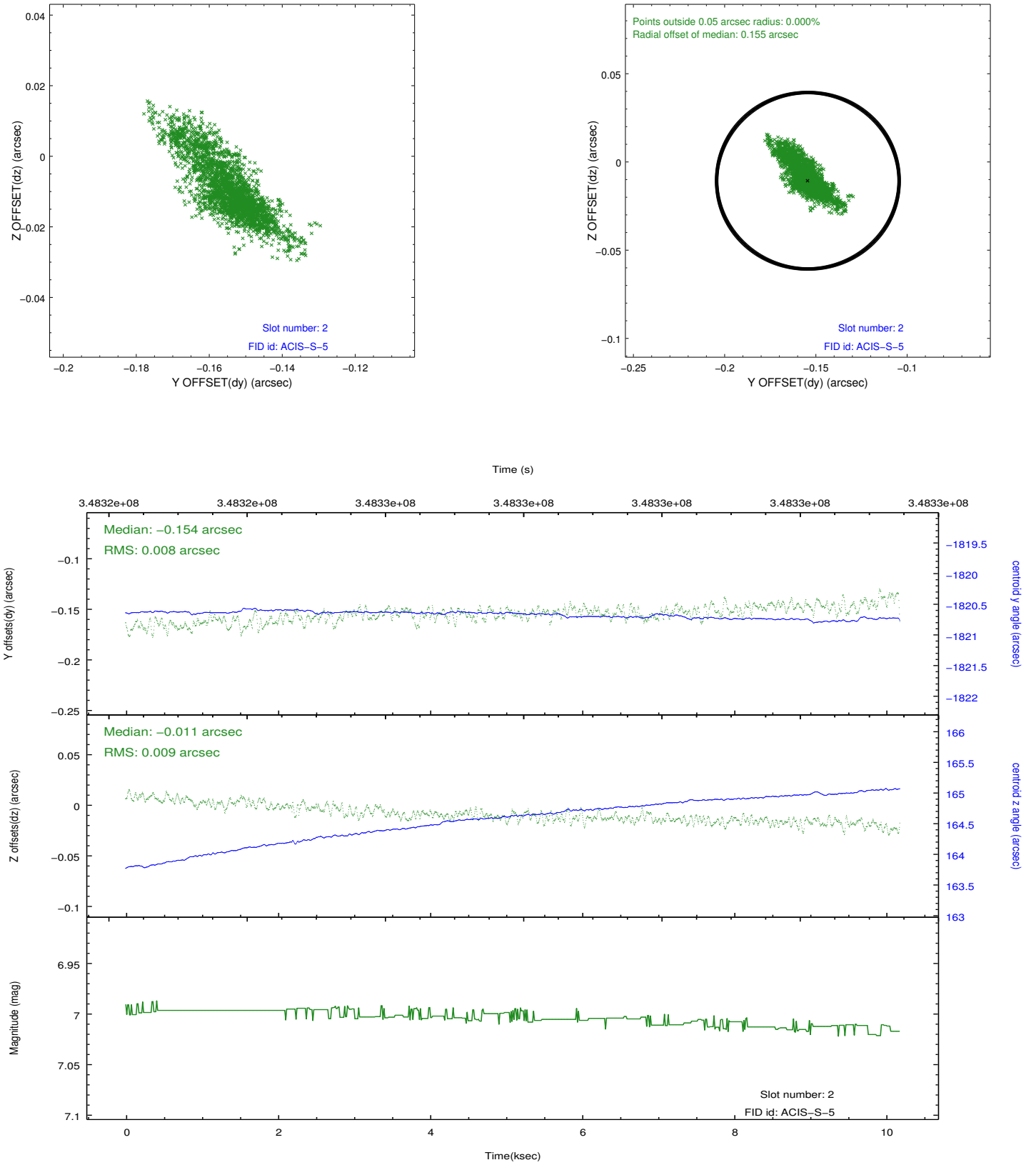
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1773

A.2 Comments