

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9163 - L2 Version 2
Chandra X-Ray Center

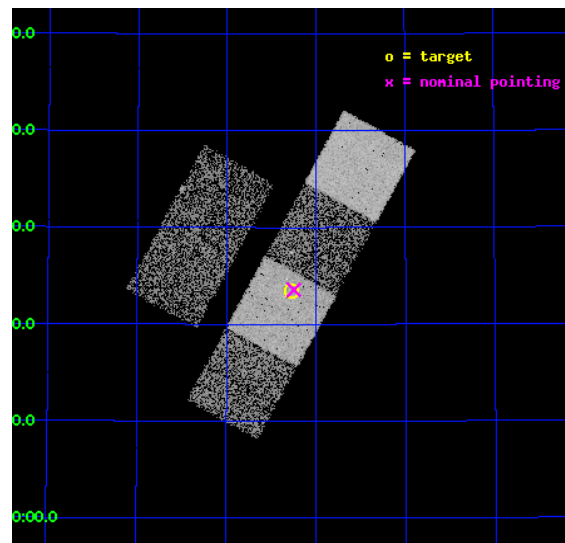
L2 Processing Date : May 8 2012

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1 Front

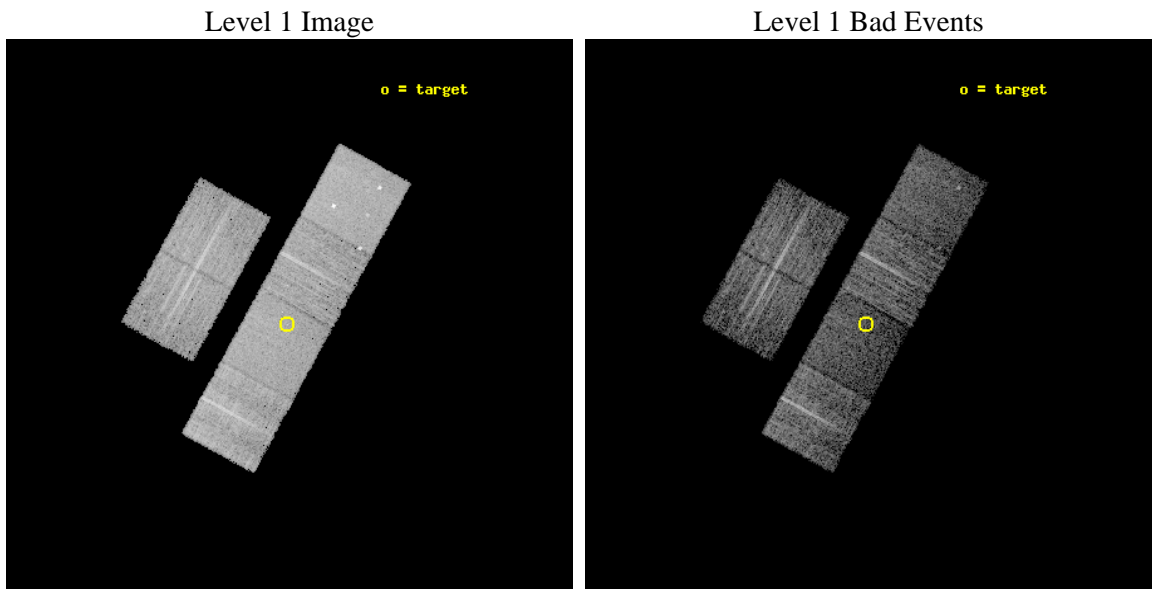
seq_num	701605	Sequence number
obs_id	9163	Observation id
title	Chandra ACIS Snapshots of the Brightest Radio-Loud Broad Absorption Line Quasars in the SDSS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J105416.51+512326.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.56875	Observer's specified target RA [deg]
dec_targ	51.390611	Observer's specified target Dec [deg]
ra_nom	163.56198031713	Nominal RA [deg]
dec_nom	51.392928779889	Nominal Dec [deg]
roll_nom	118.77049137399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5043.1999812722	Sum of GTIs [s]
livetime	4979.3399464589	Livetime [s]
ontime2	5043.1999812722	Sum of GTIs [s]
ontime3	5043.1999812722	Sum of GTIs [s]
ontime5	5043.1999812722	Sum of GTIs [s]
ontime6	5043.1999812722	Sum of GTIs [s]
ontime7	5043.1999812722	Sum of GTIs [s]
ontime8	5039.9590209126	Sum of GTIs [s]
l2events	59893	Number of level 2 events



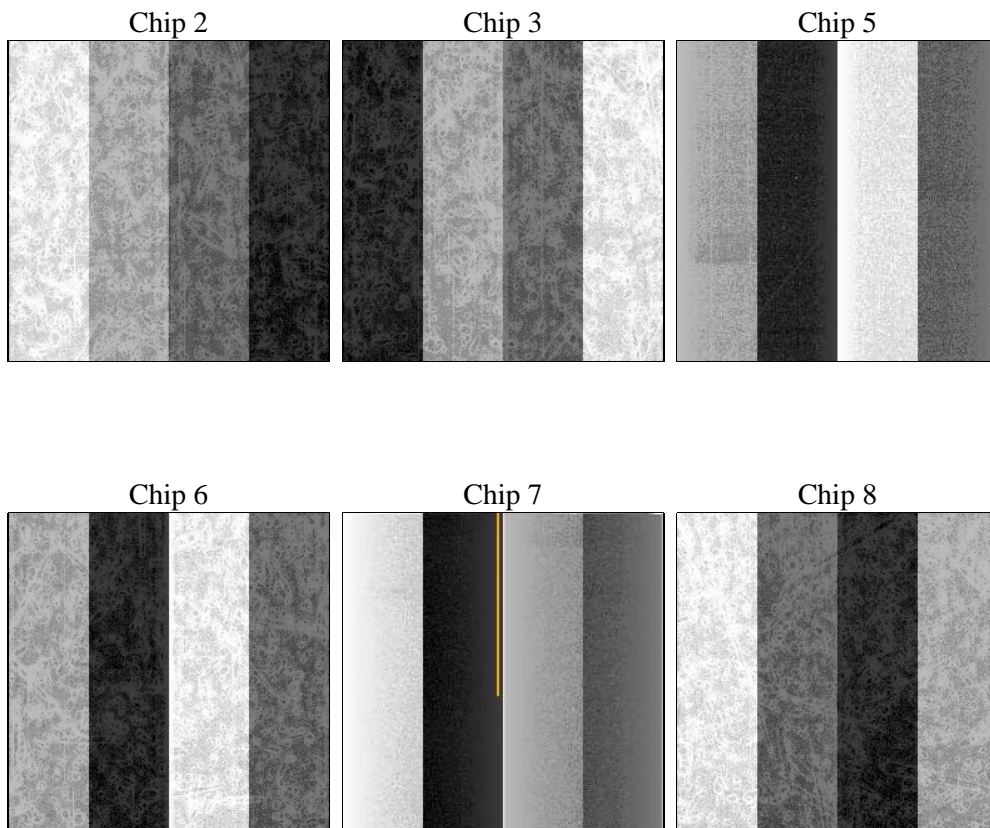
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5043.1999812722	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5043.1999812722	Sum of GTIs [s]
date	2012-05-08T14:17:38	Date and time of file creation	ontime3	5043.1999812722	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5043.1999812722	Sum of GTIs [s]
			ontime6	5043.1999812722	Sum of GTIs [s]
			ontime7	5043.1999812722	Sum of GTIs [s]
			ontime8	5039.9590209126	Sum of GTIs [s]
			l1events	275105	Number of level 1 events

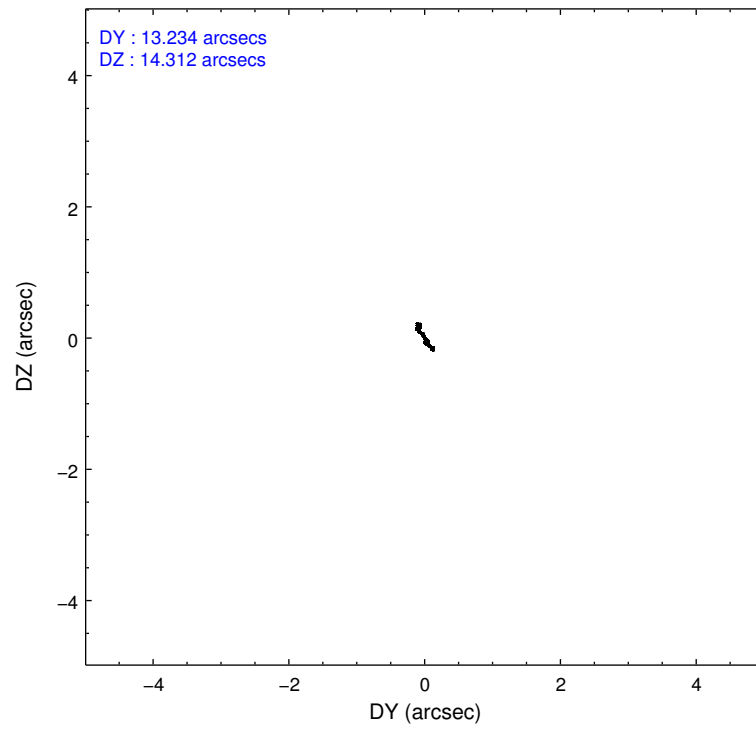
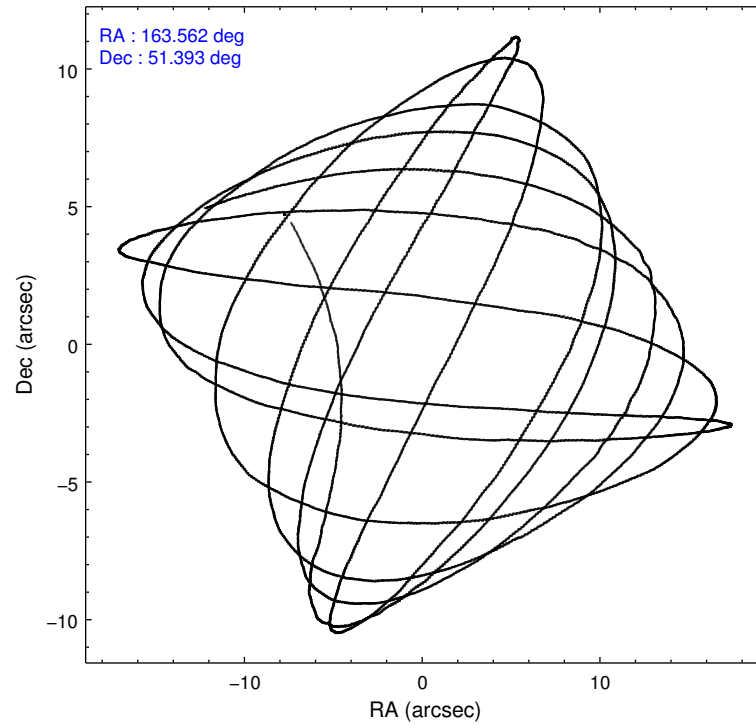
2.1.4 Events

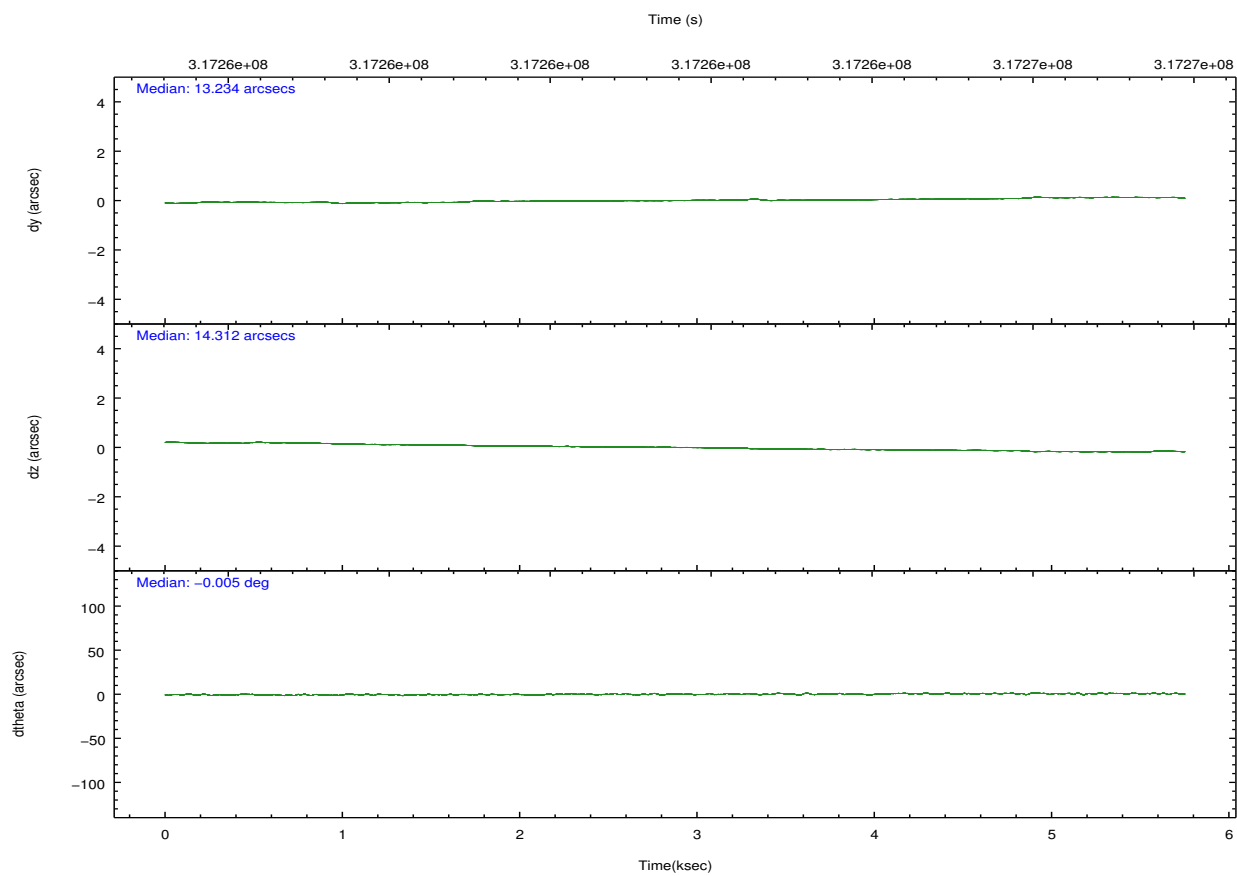
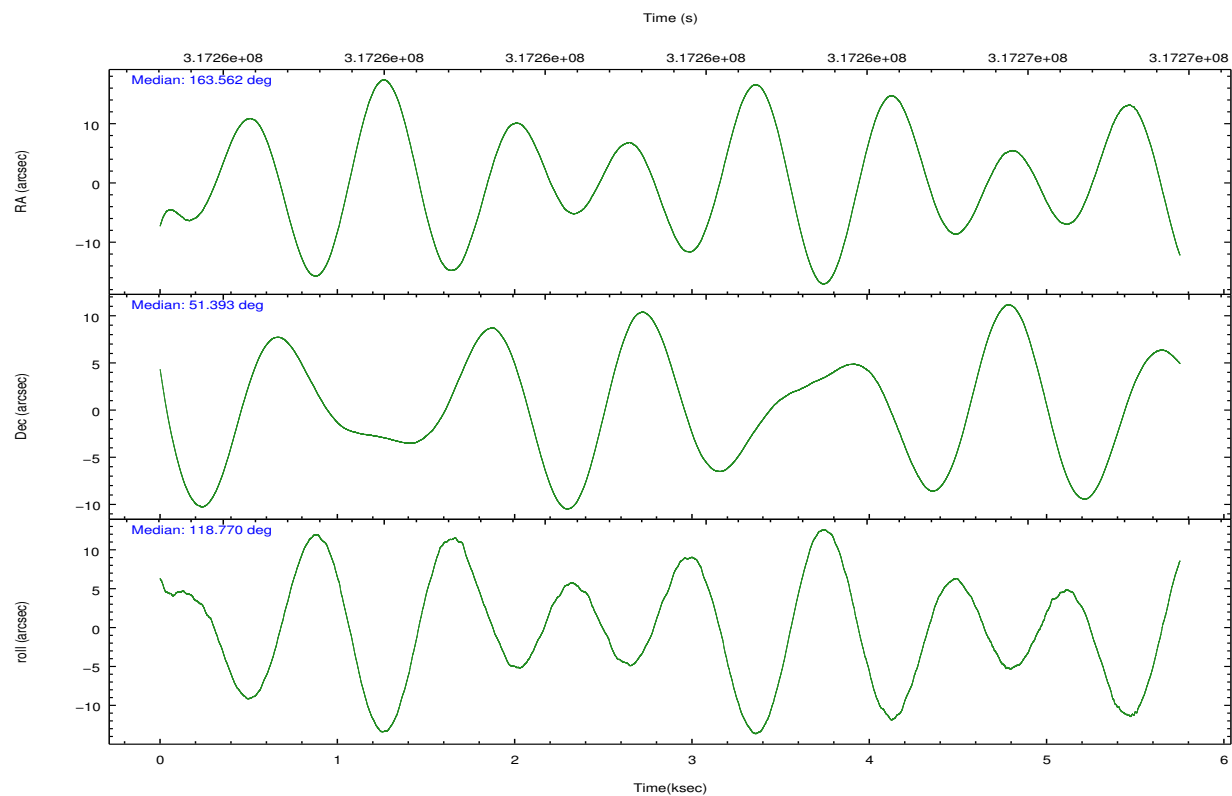
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	41912	38405	56845	41470	45014	51459	grade 0 events	1344	1305	3545	1564	1933	3659
rejected events	38040	34735	28201	37152	24358	38926		3%	3%	6%	3%	4%	7%
rejected %	90%	90%	49%	89%	54%	75%	grade 1 events	31	19	150	15	59	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	960	789	8469	951	4185	2871
								2%	2%	14%	2%	9%	5%
							grade 3 events	430	418	1212	460	1918	1447
								1%	1%	2%	1%	4%	2%
							grade 4 events	419	409	1184	417	1880	1324
								0%	1%	2%	1%	4%	2%
							grade 5 events	1347	1628	4359	1525	4663	2328
								3%	4%	7%	3%	10%	4%
							grade 6 events	726	752	14267	927	10763	3247
								1%	1%	25%	2%	23%	6%
							grade 7 events	36655	33085	23659	35611	19613	36537
								87%	86%	41%	85%	43%	71%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	163.599757	163.5619803171337	CCD I2 on	O1	Y
[deg] Pointing Dec	51.379136	51.39292877988922	CCD I3 on	O2	Y
[deg] Pointing Roll	118.584346	118.7704913739923	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	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	Y	Y
[s] Observation start time (MET)	317261648.184000	317260359.28657	CCD S5 on	N	N
Observation start date	2008-01-21T00:13:03	2008-01-20T23:52:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	317266648.184000	317267550.17441	On-chip summing requested	N	N
Observation end date	2008-01-21T01:36:23	2008-01-21T01:52:30	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



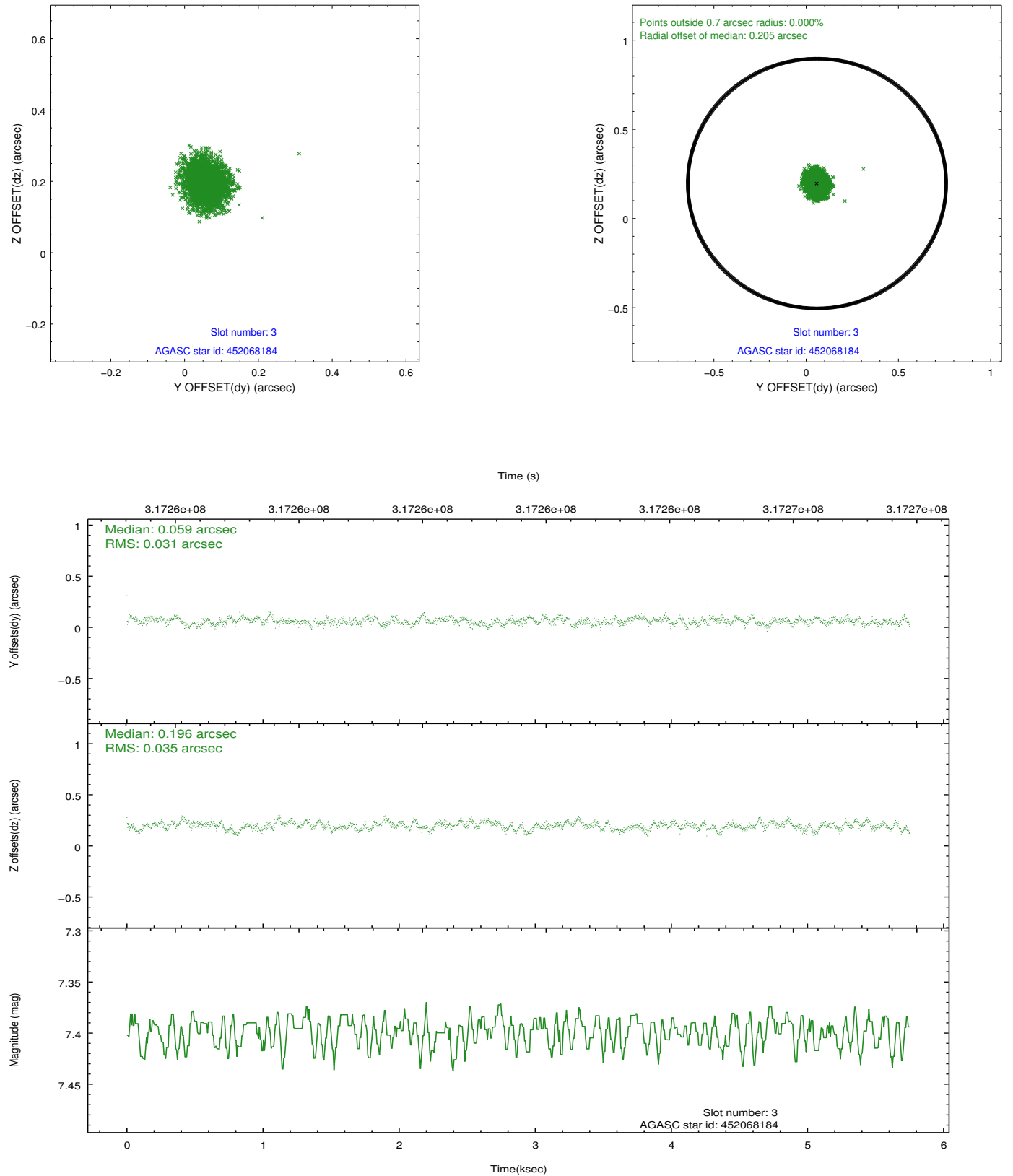


Slot Statistics

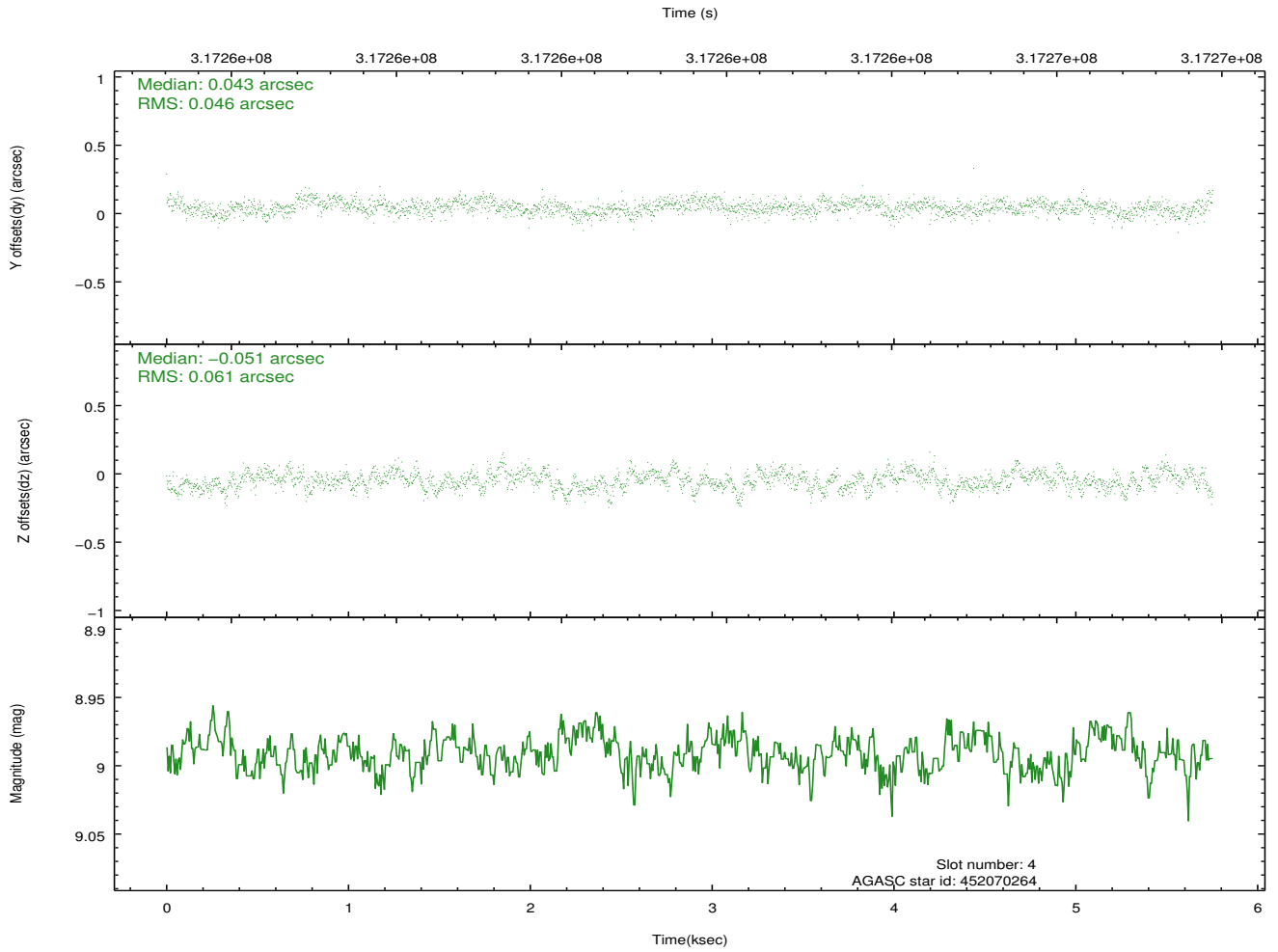
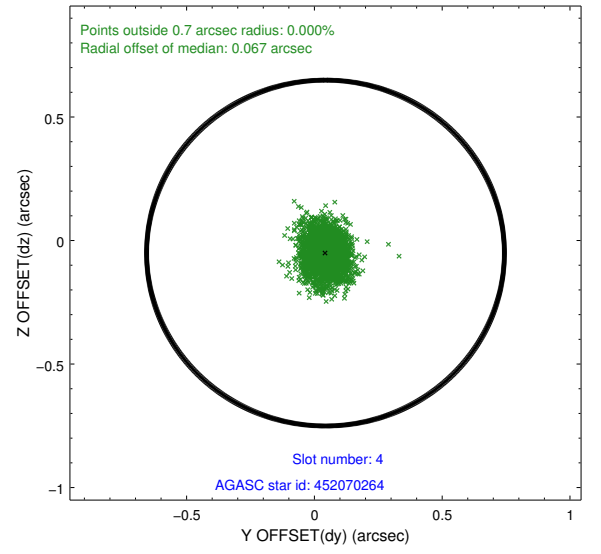
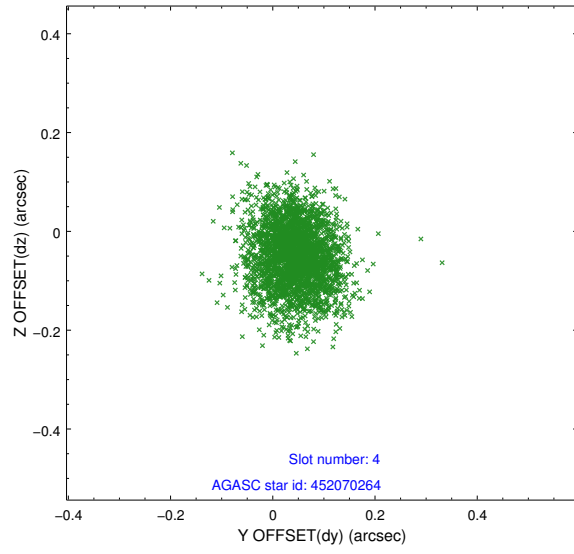
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.19	1403	0.146	0.004	0.006	0.010	0.000000	0.000000	2147.33	173.01
1	FID	ACIS-S-5	7.23	1404	-0.177	0.002	0.005	0.010	0.000000	0.000000	-1817.85	166.57
2	FID	ACIS-S-6	7.33	1403	0.002	0.008	0.008	0.013	0.000000	0.000000	394.32	810.32
3	GUIDE	452068184	7.40	2801	0.059	0.196	0.049	0.078	164.494800	51.457941	-700.37	-1904.32
4	GUIDE	452070264	8.99	2806	0.043	-0.051	0.081	0.137	163.566720	51.331108	-116.24	147.14
5	GUIDE	452074088	8.20	2807	-0.235	0.001	0.049	0.082	162.667964	51.799672	2334.27	1092.28
6	GUIDE	452071280	8.43	2806	0.034	-0.159	0.089	0.139	162.546977	51.258276	768.75	2283.05
7	GUIDE	452070560	8.42	2806	0.103	0.008	0.079	0.124	163.812134	50.915948	-1693.70	375.05

2.4 Star Slots

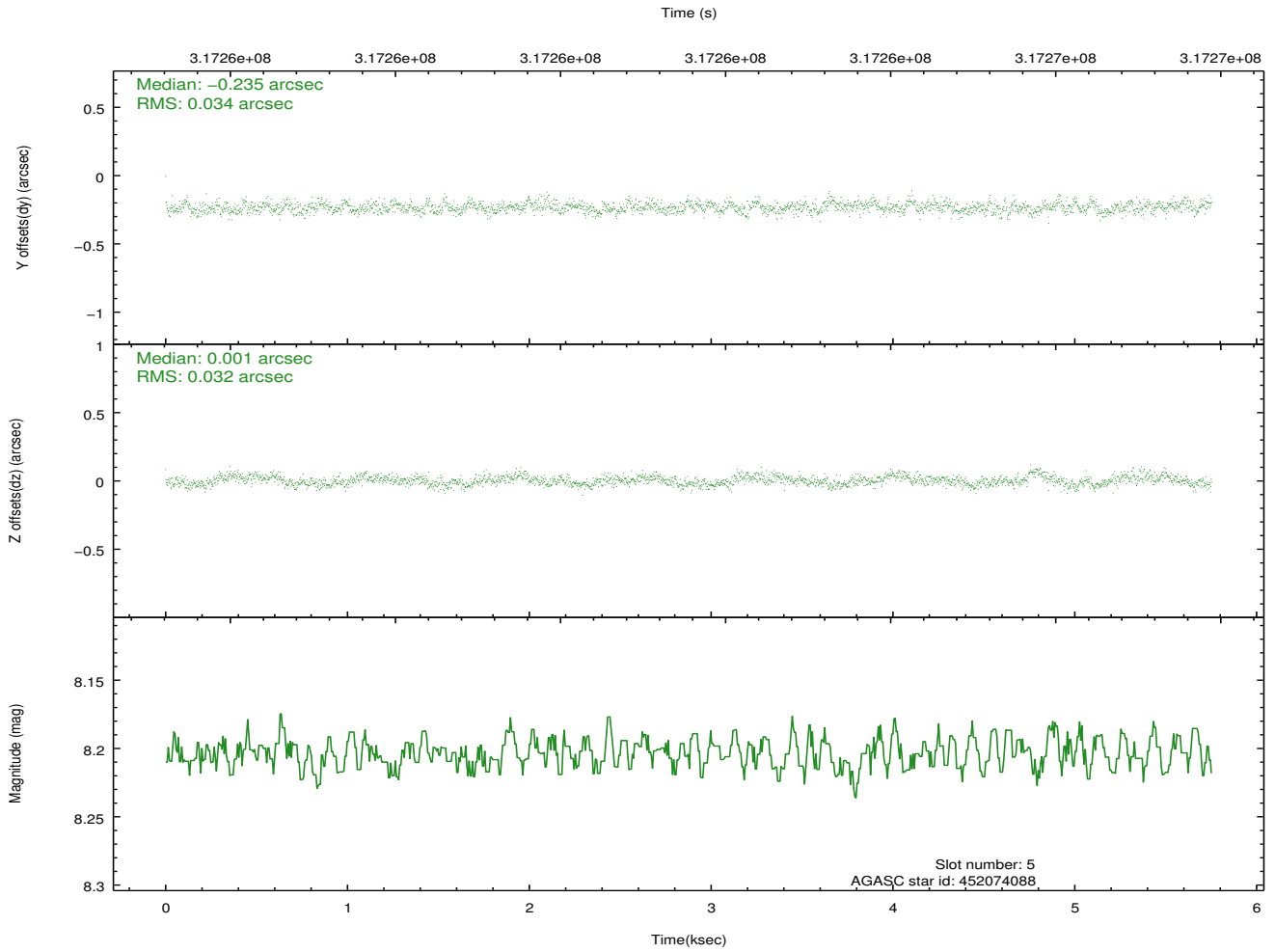
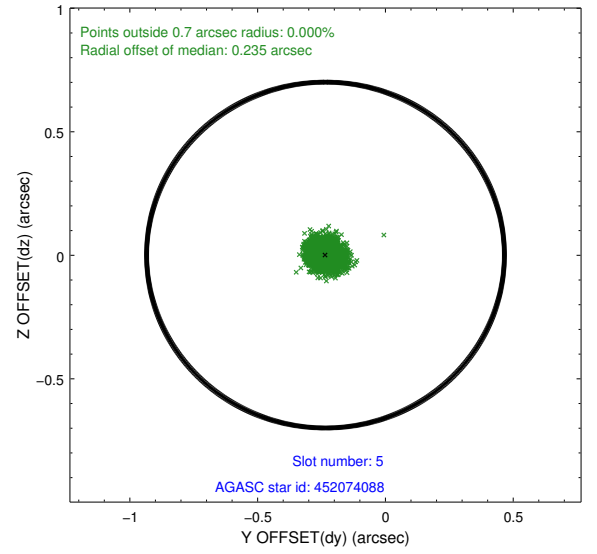
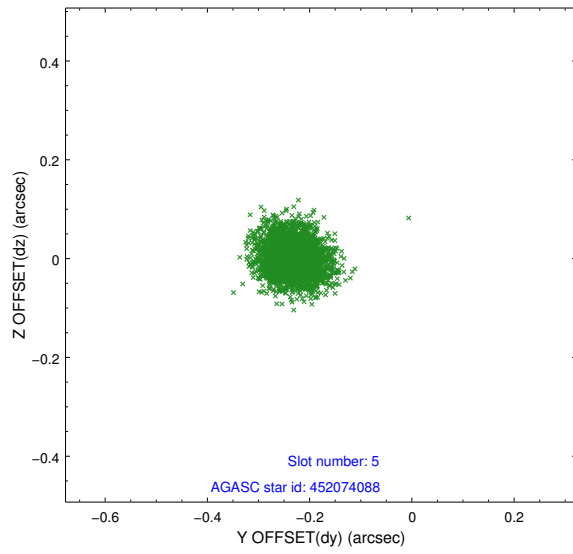
2.4.1 Slot 3



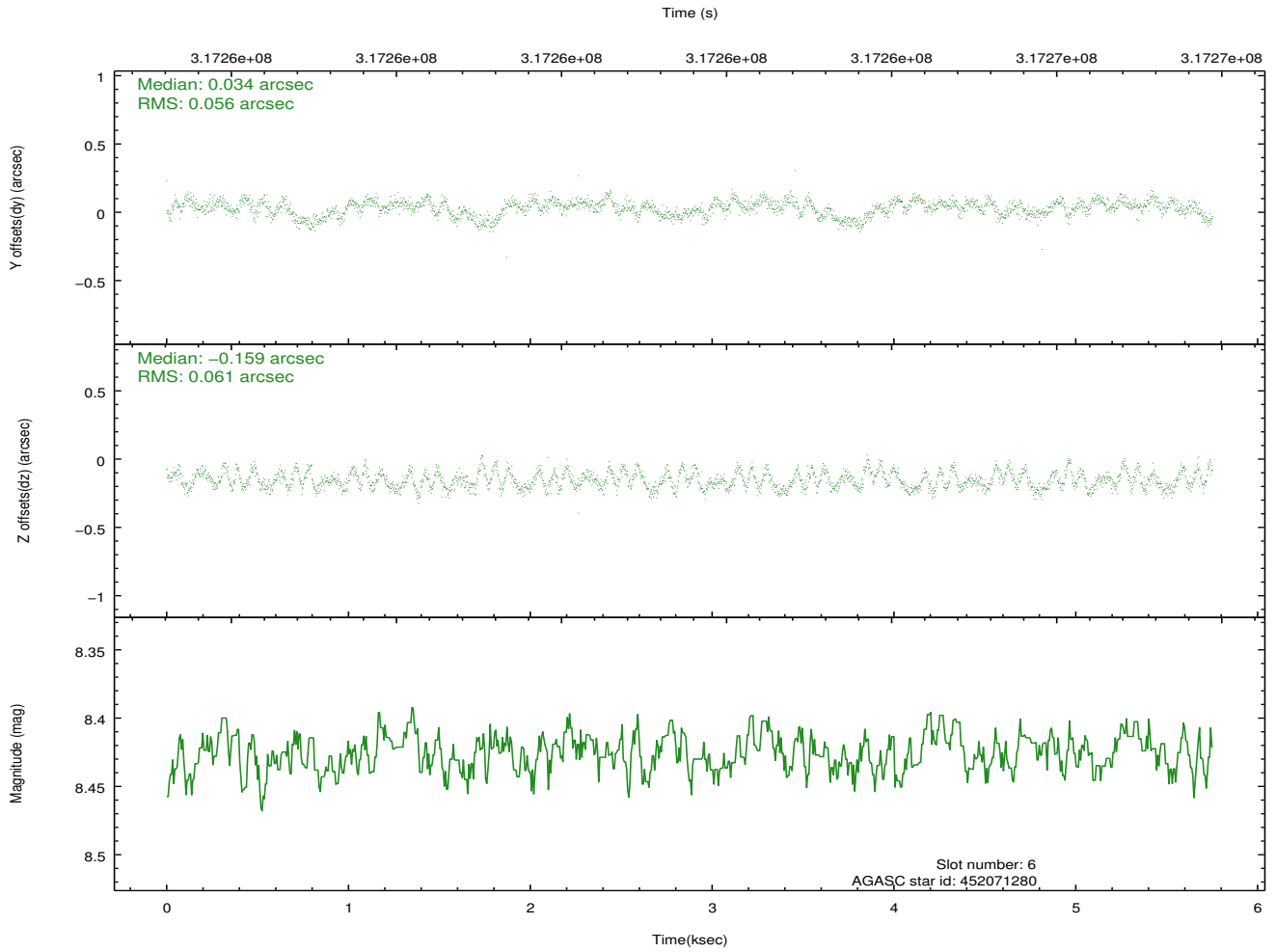
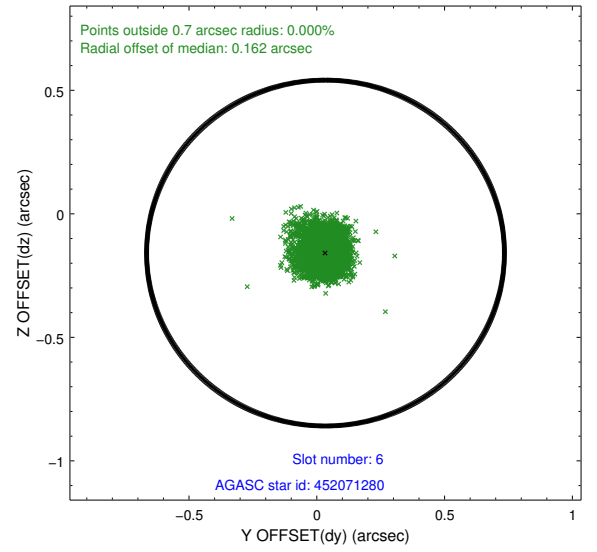
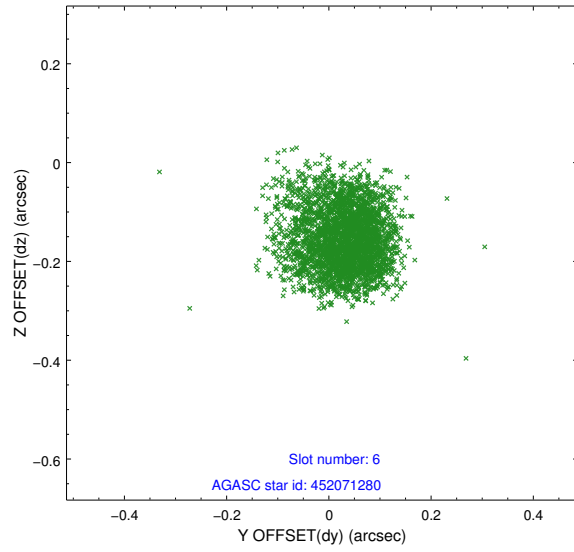
2.4.2 Slot 4



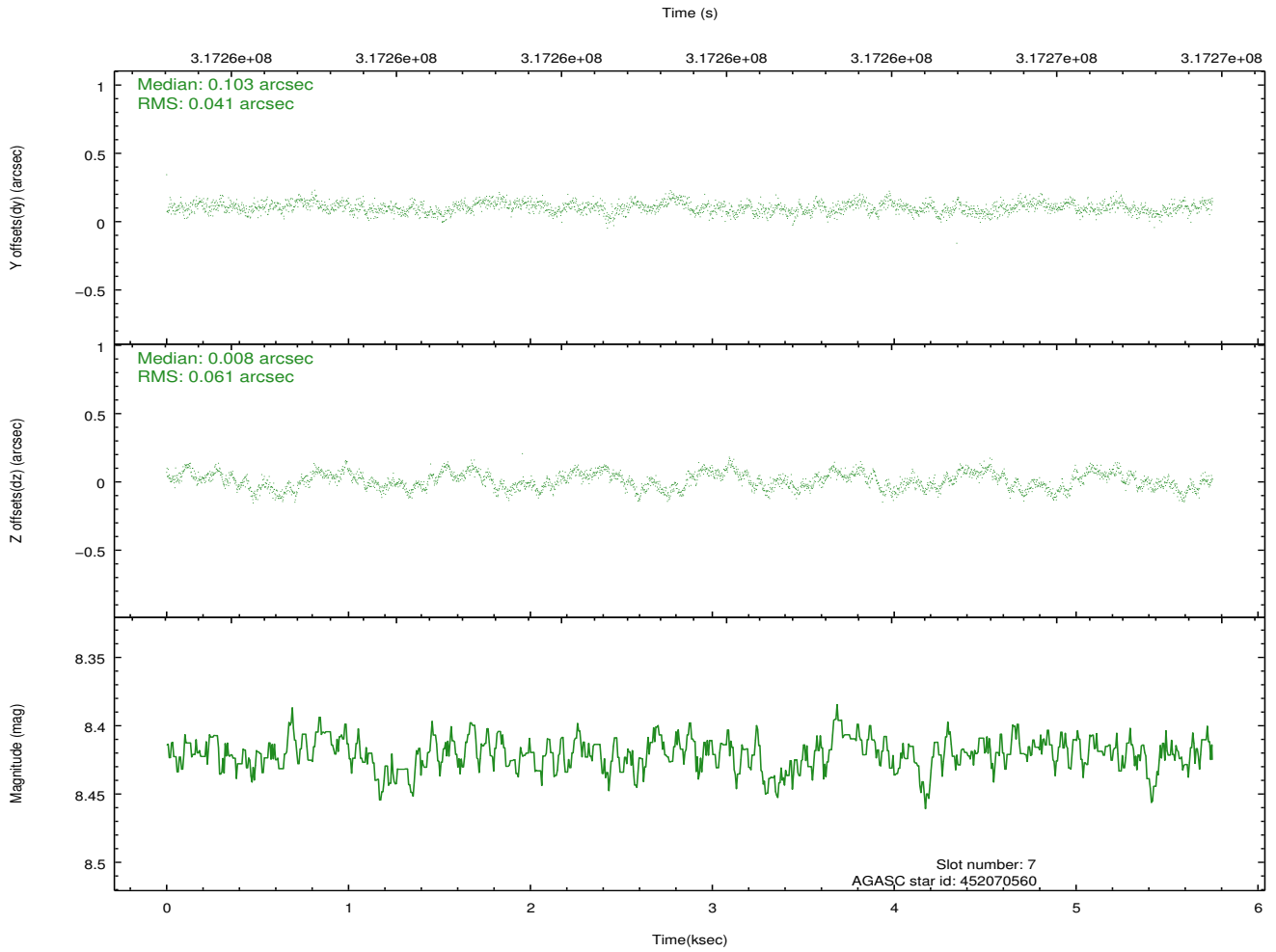
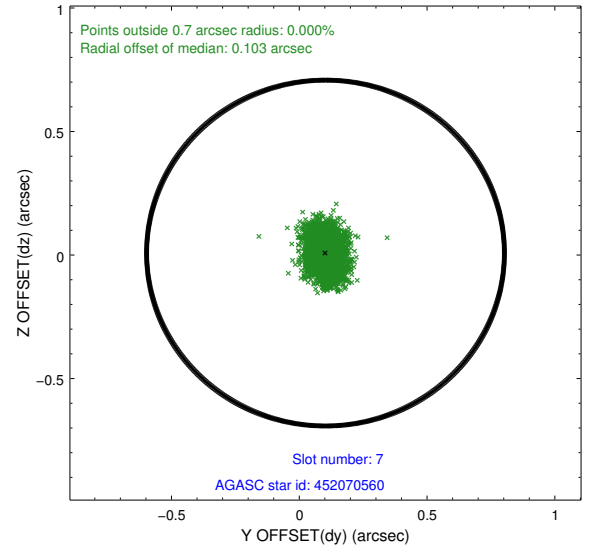
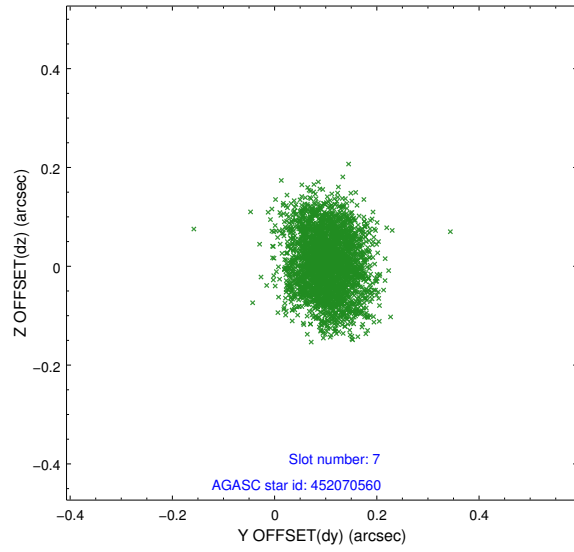
2.4.3 Slot 5



2.4.4 Slot 6

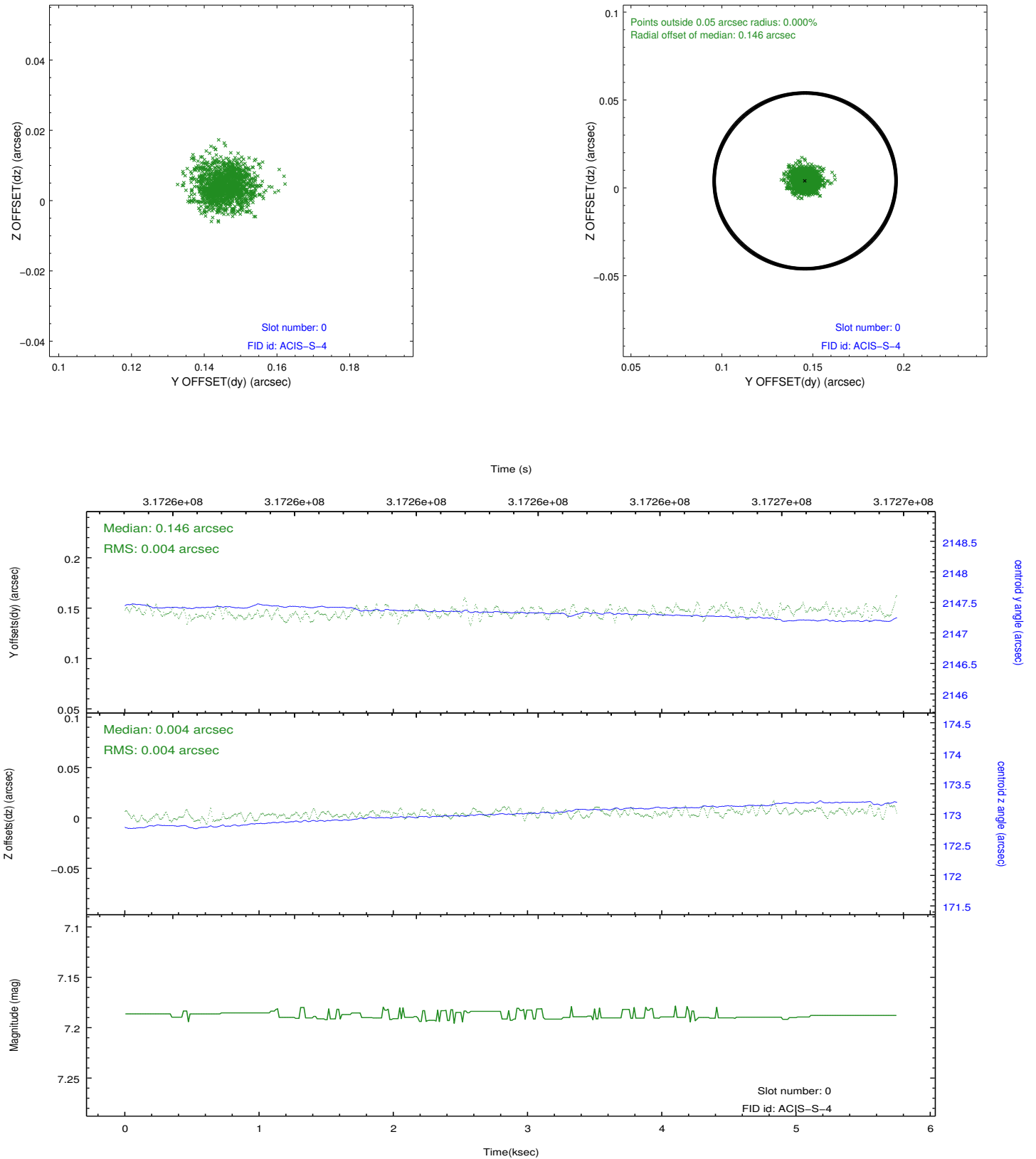


2.4.5 Slot 7

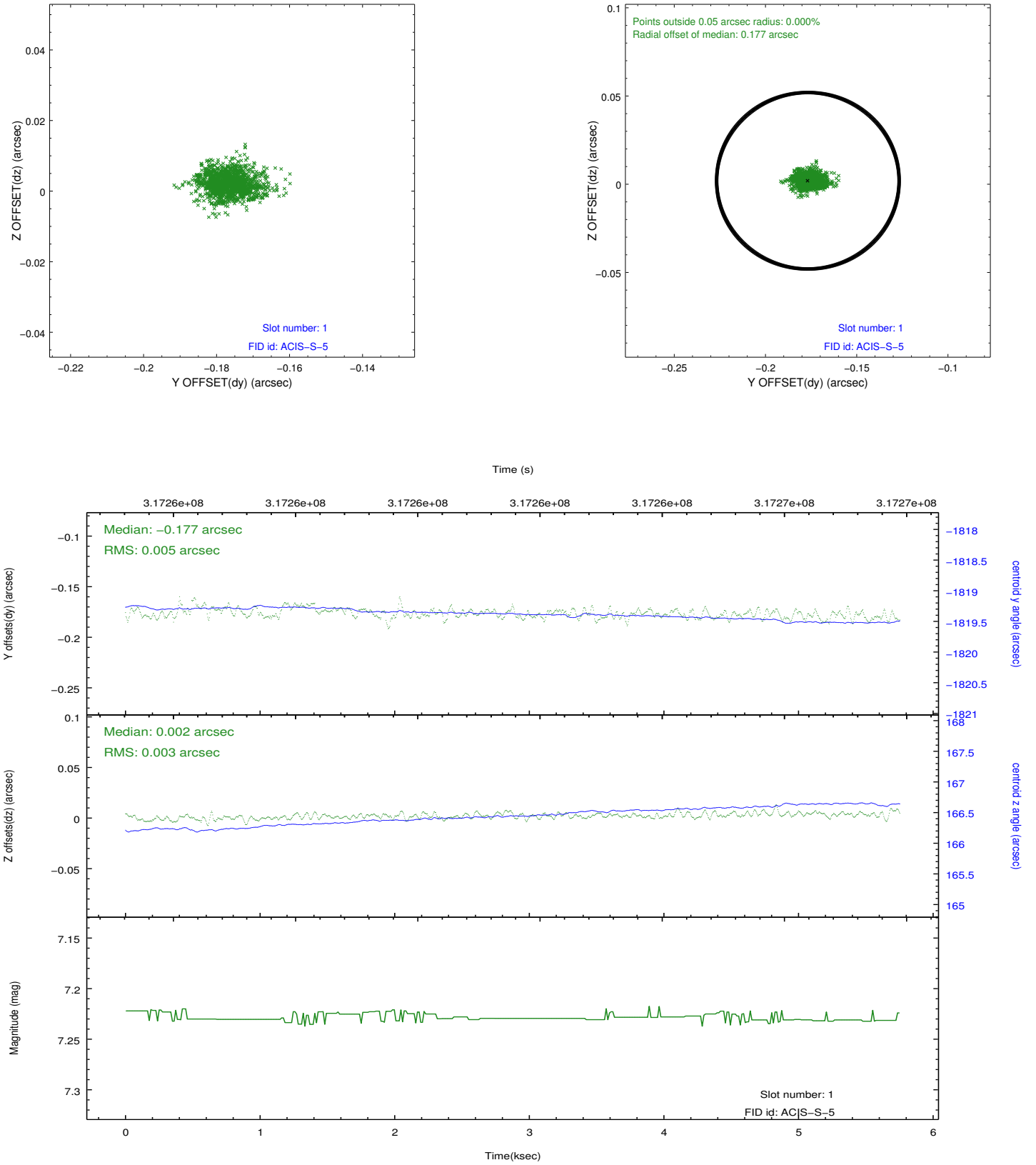


2.5 FID Slots

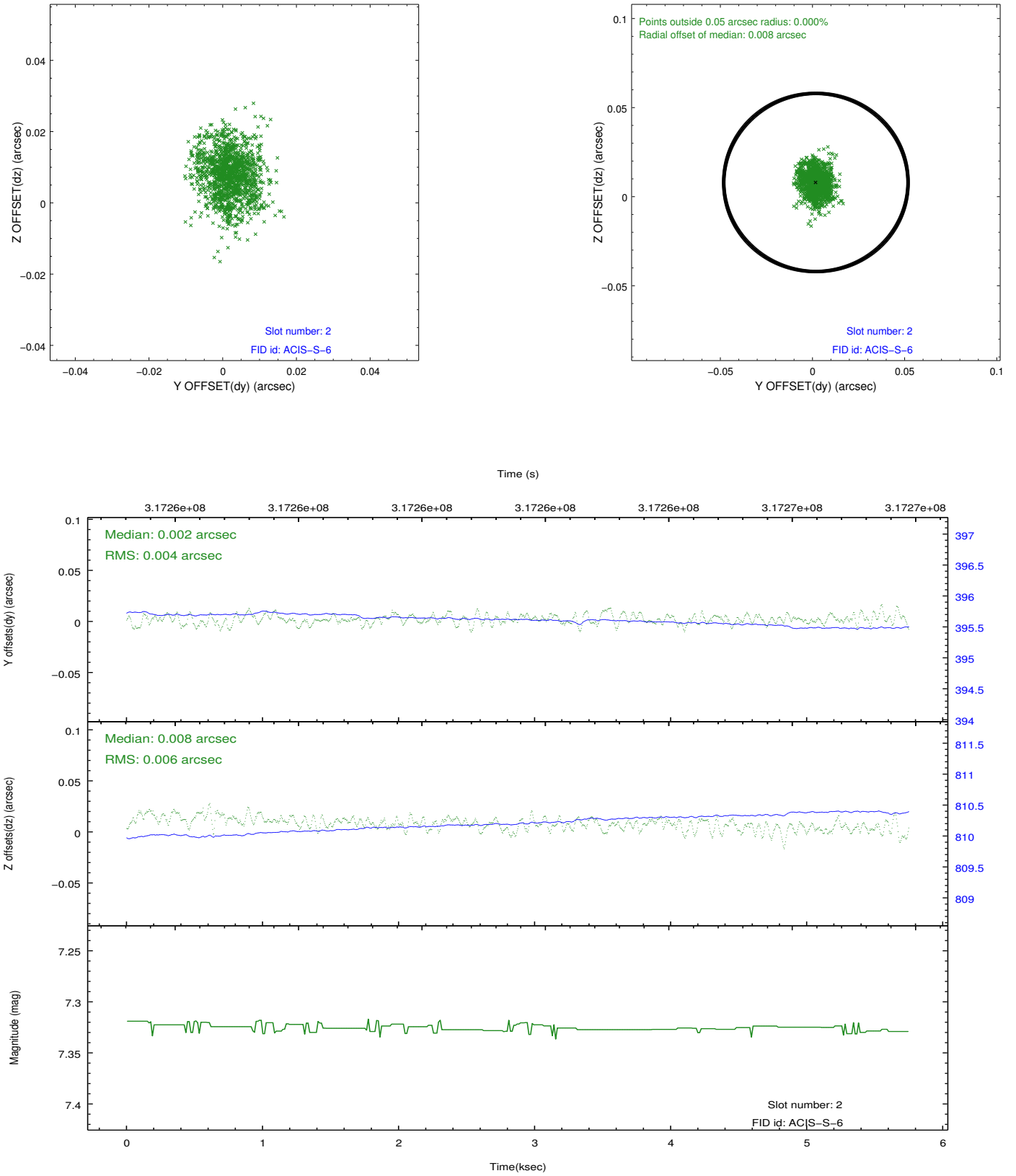
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04319998

A.2 Comments