

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9160 - L2 Version 2
Chandra X-Ray Center

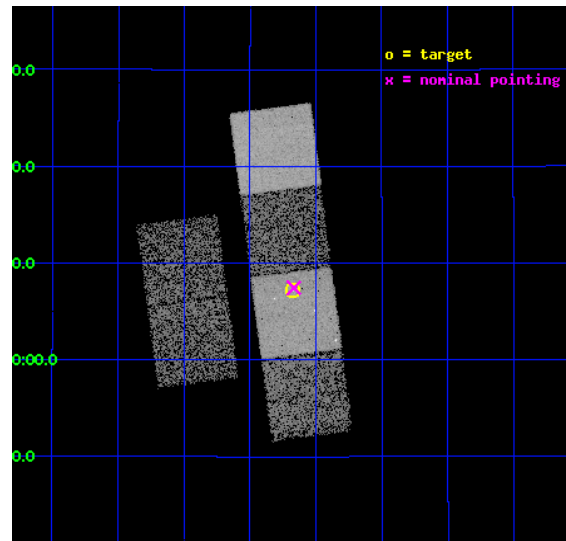
L2 Processing Date : May 7 2012

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1 Front

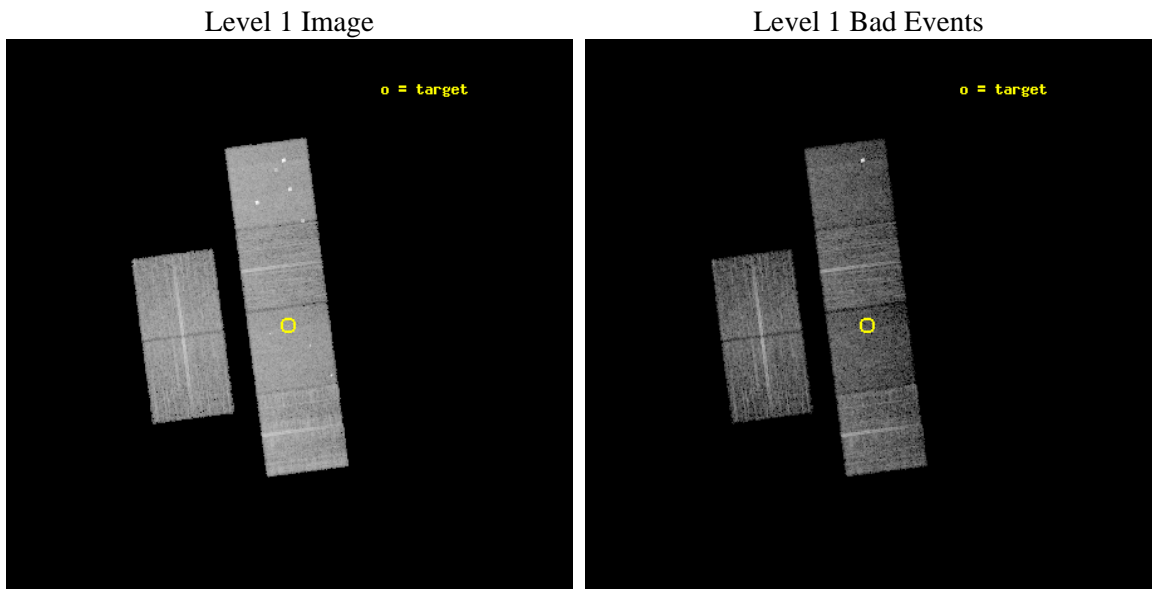
seq_num	701602	Sequence number
obs_id	9160	Observation id
title	Chandra ACIS Snapshots of the Brightest Radio-Loud Broad Absorption Line Quasars in the SDSS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J074610.50+230710.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	116.54375	Observer's specified target RA [deg]
dec_targ	23.119694	Observer's specified target Dec [deg]
ra_nom	116.54163017055	Nominal RA [deg]
dec_nom	23.124131075938	Nominal Dec [deg]
roll_nom	82.56282219044	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7043.1999738216	Sum of GTIs [s]
livetime	6954.0147348472	Livetime [s]
ontime2	7043.1999738216	Sum of GTIs [s]
ontime3	7043.1999738216	Sum of GTIs [s]
ontime5	7043.1999738216	Sum of GTIs [s]
ontime6	7043.1999738216	Sum of GTIs [s]
ontime7	7043.1999738216	Sum of GTIs [s]
ontime8	7043.1999738216	Sum of GTIs [s]
l2events	85479	Number of level 2 events



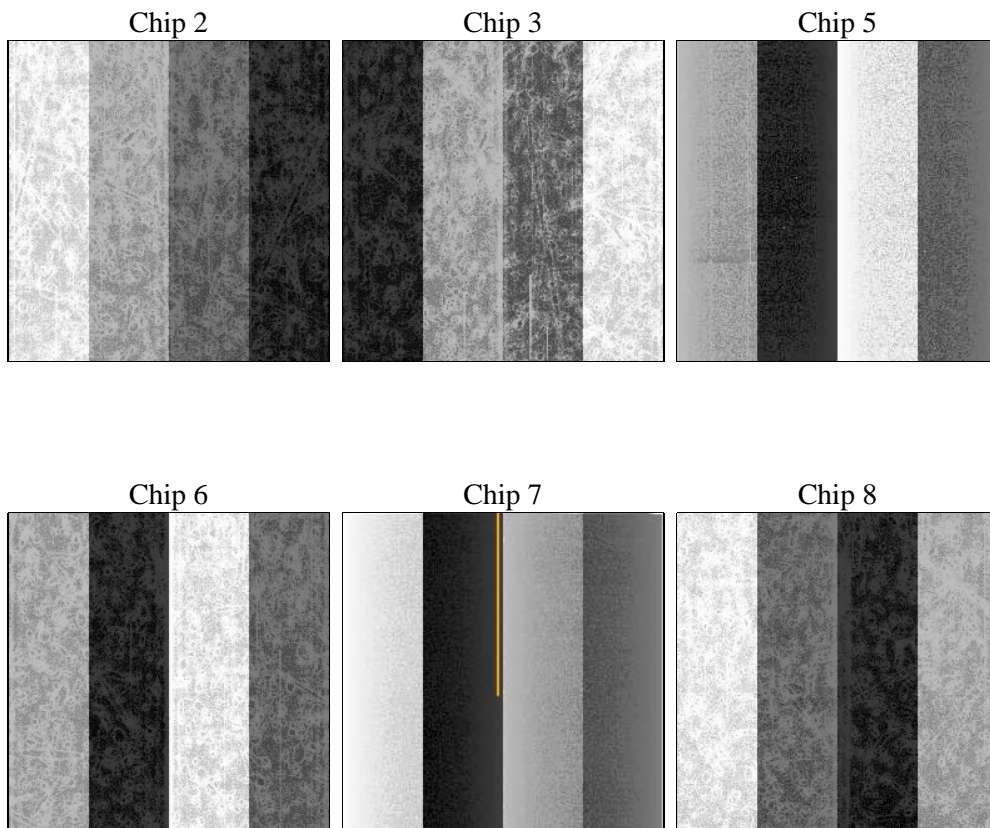
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7043.1999738216	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	7043.1999738216	Sum of GTIs [s]
date	2012-05-07T02:26:44	Date and time of file creation	ontime3	7043.1999738216	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7043.1999738216	Sum of GTIs [s]
			ontime6	7043.1999738216	Sum of GTIs [s]
			ontime7	7043.1999738216	Sum of GTIs [s]
			ontime8	7043.1999738216	Sum of GTIs [s]
			l1events	390040	Number of level 1 events

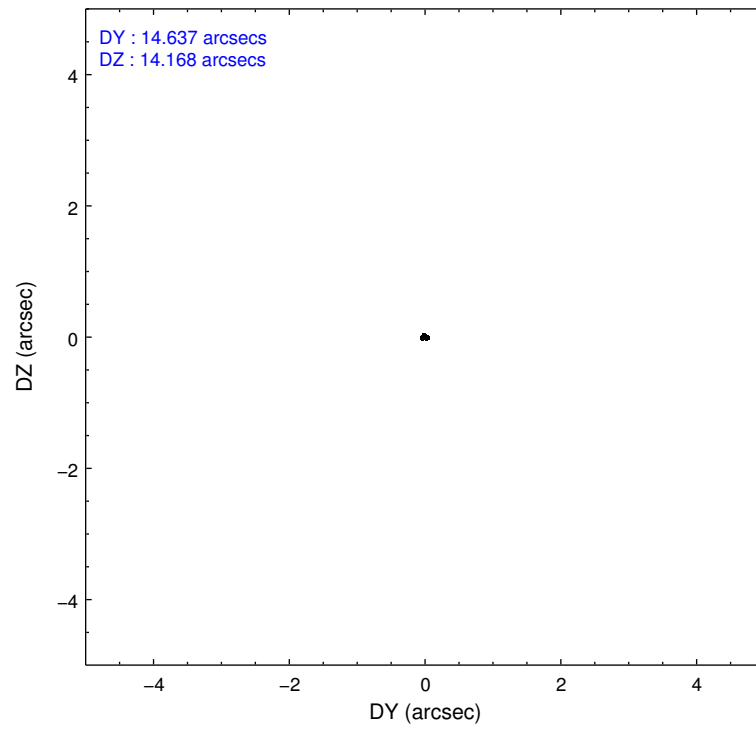
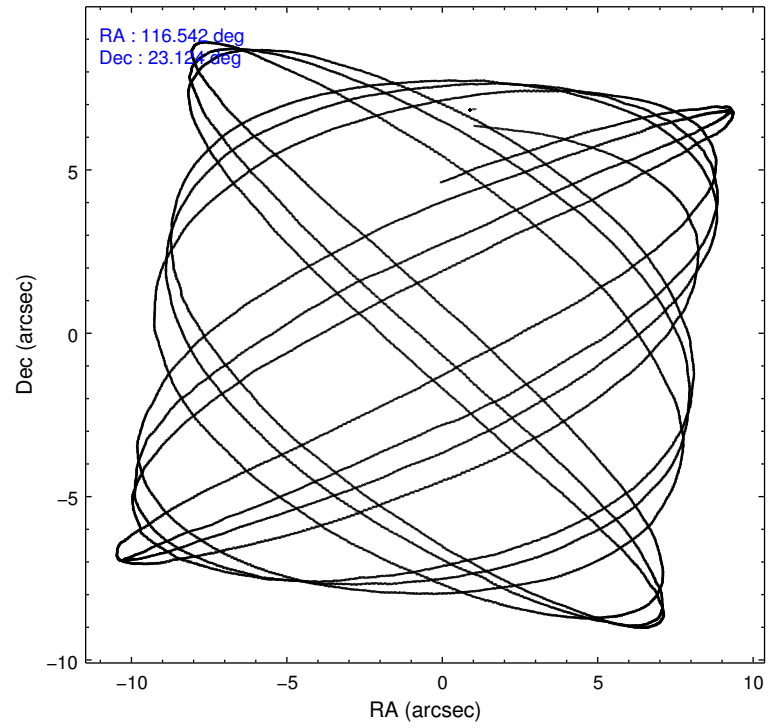
2.1.4 Events

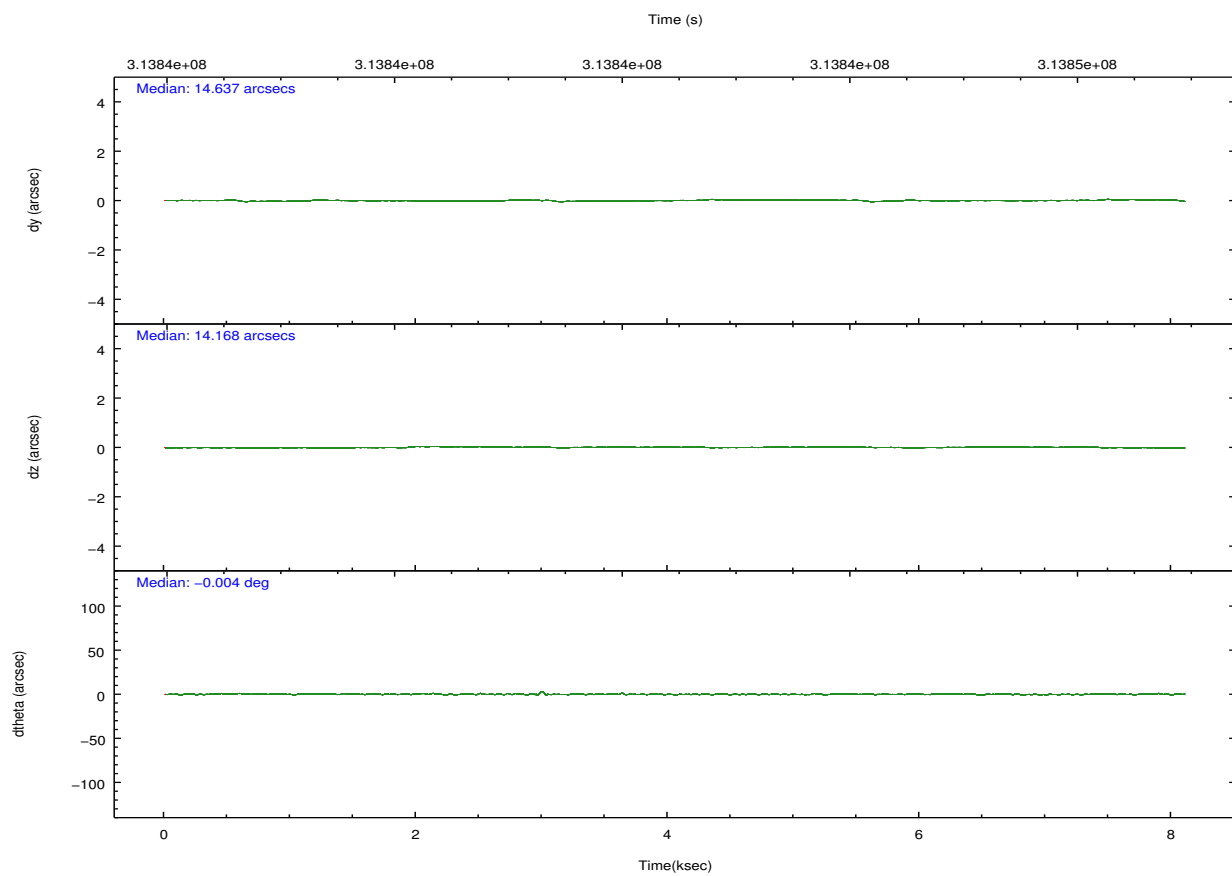
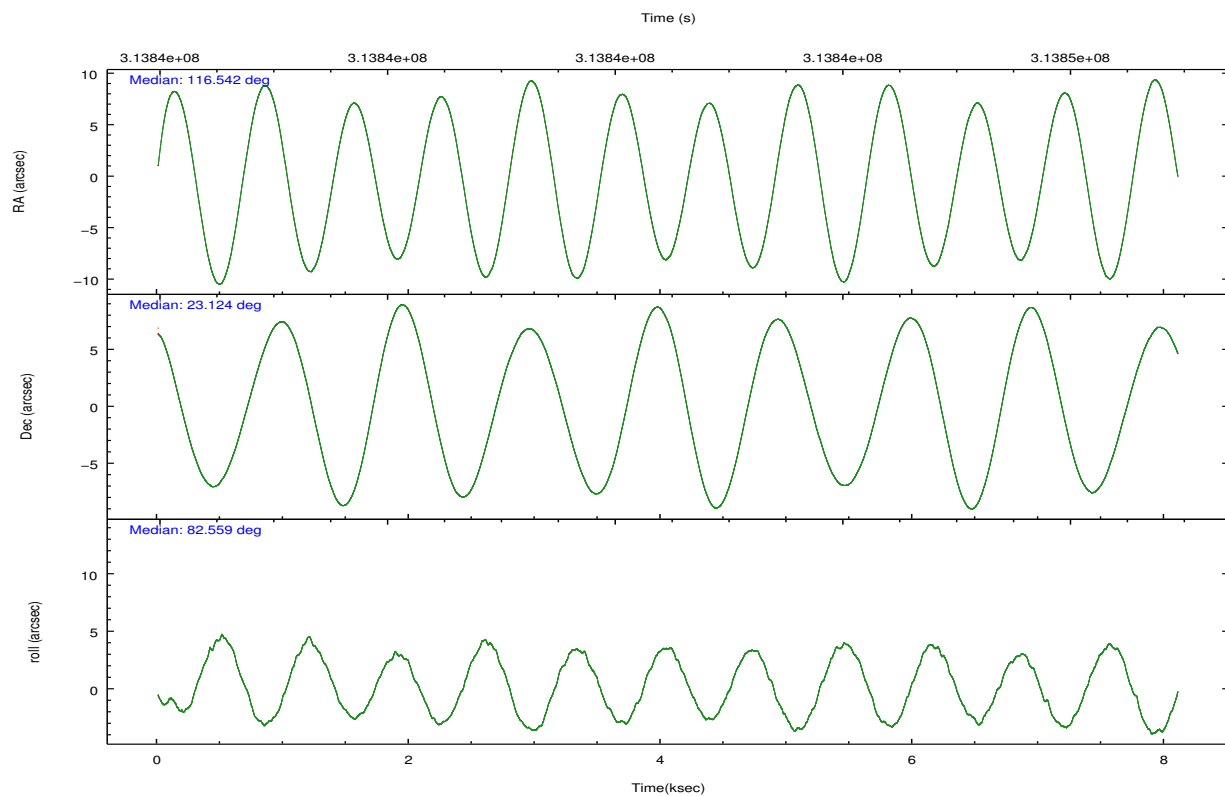
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57490	55027	84198	56773	64313	72239	grade 0 events	1897	1823	6792	2061	2894	5225
rejected events	52134	49914	41274	51059	34893	54484		3%	3%	8%	3%	4%	7%
rejected %	90%	90%	49%	89%	54%	75%	grade 1 events	33	35	153	43	79	58
								0%	0%	0%	0%	0%	0%
							grade 2 events	1289	1045	12031	1230	5986	4015
								2%	1%	14%	2%	9%	5%
							grade 3 events	570	630	1745	623	2681	2008
								0%	1%	2%	1%	4%	2%
							grade 4 events	553	580	1455	619	2666	1854
								0%	1%	1%	1%	4%	2%
							grade 5 events	1899	2218	6835	2297	6510	3316
								3%	4%	8%	4%	10%	4%
							grade 6 events	1047	1038	20918	1192	15207	4660
								1%	1%	24%	2%	23%	6%
							grade 7 events	50202	47658	34269	48708	28290	51103
								87%	86%	40%	85%	43%	70%

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	116.553363	116.5416301705478	CCD I2 on	O1	Y
[deg] Pointing Dec	23.099007	23.12413107593834	CCD I3 on	O2	Y
[deg] Pointing Roll	82.401585	82.56282219043965	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	313839514.184000	313838051.1959	CCD S5 on	N	N
Observation start date	2007-12-12T09:37:29	2007-12-12T09:14:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	313846514.184000	313847774.85887	On-chip summing requested	N	N
Observation end date	2007-12-12T11:34:09	2007-12-12T11:56:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



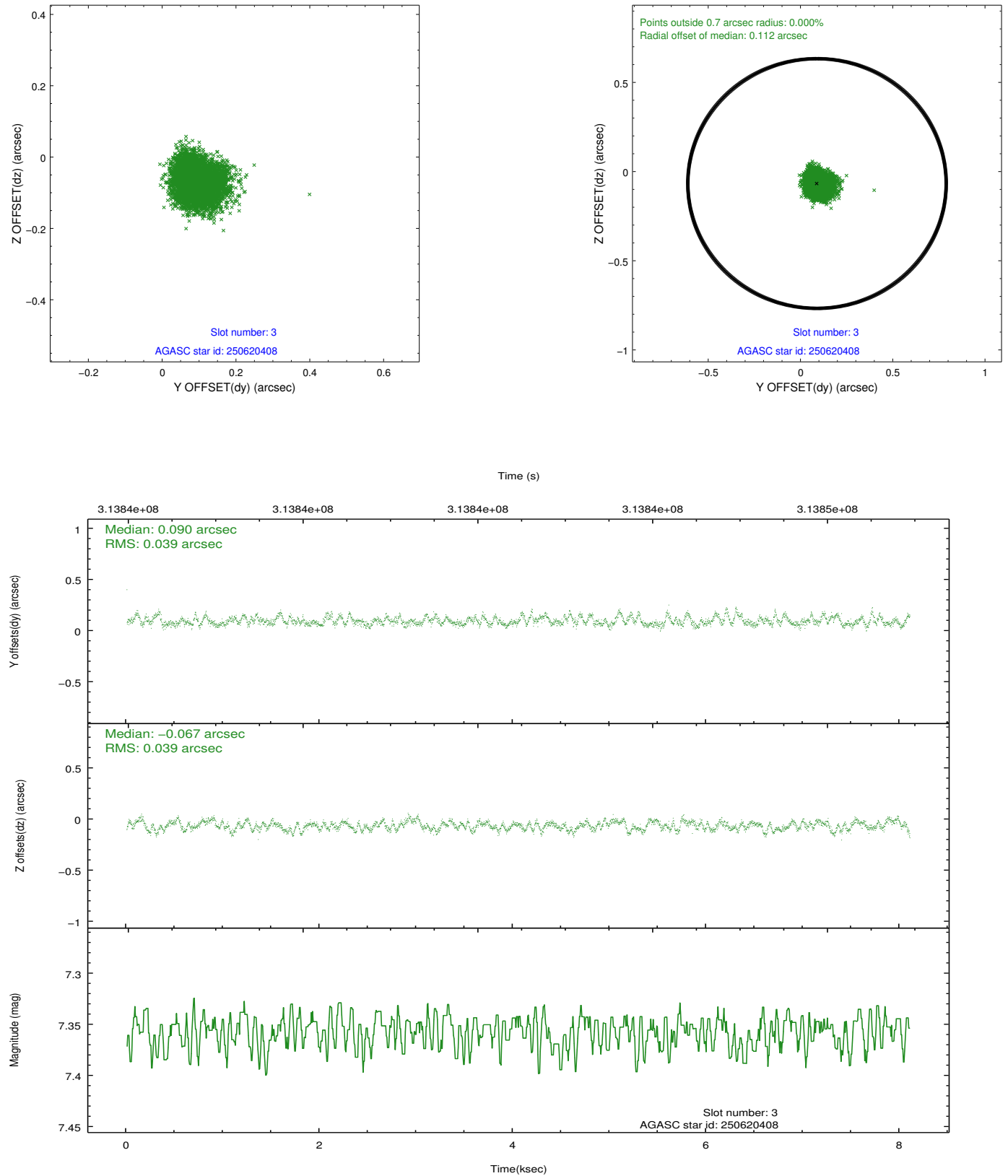


Slot Statistics

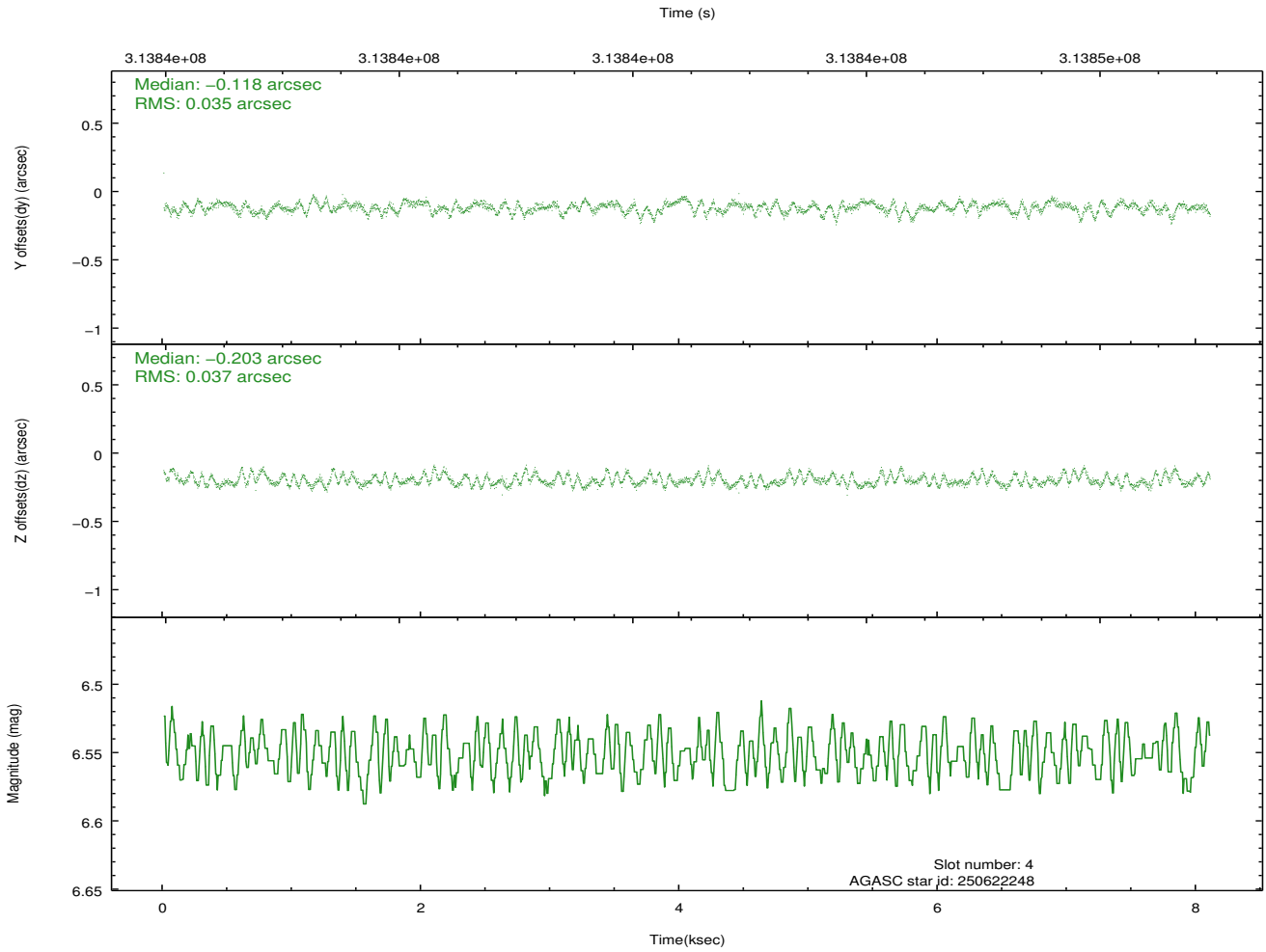
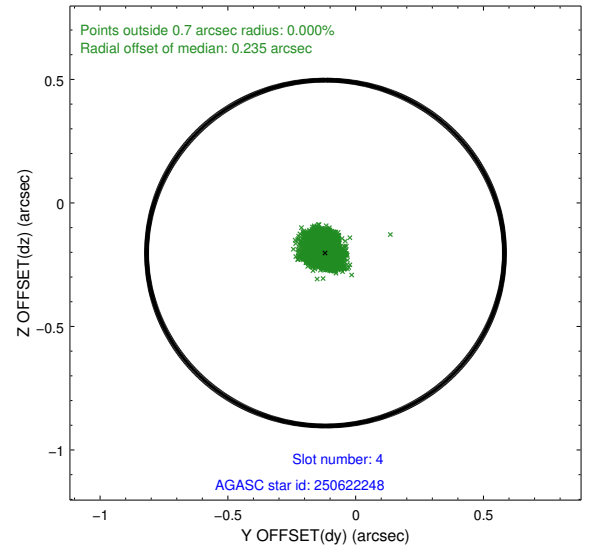
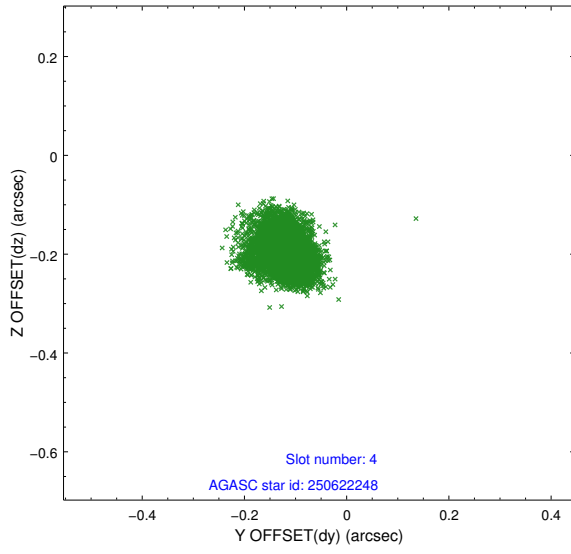
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1977	-0.085	-0.062	0.006	0.011	0.000000	0.000000	-767.68	-1735.53
1	FID	ACIS-S-4	7.19	1977	0.214	0.058	0.006	0.011	0.000000	0.000000	2145.58	172.35
2	FID	ACIS-S-5	7.22	1977	-0.160	0.013	0.006	0.011	0.000000	0.000000	-1819.71	166.76
3	GUIDE	250620408	7.36	3953	0.090	-0.067	0.059	0.091	116.257889	23.019607	-411.77	932.72
4	GUIDE	250622248	6.55	3953	-0.118	-0.203	0.054	0.088	116.133560	23.345201	696.61	1492.97
5	GUIDE	250625536	7.45	3952	-0.293	0.177	0.057	0.092	116.787491	23.663707	2117.73	-495.48
6	GUIDE	250626496	8.31	3950	0.055	0.098	0.062	0.104	116.880108	23.153389	338.82	-1045.75
7	GUIDE	250627520	8.93	3950	0.265	-0.005	0.071	0.116	116.136717	22.637159	-1828.88	1152.44

2.4 Star Slots

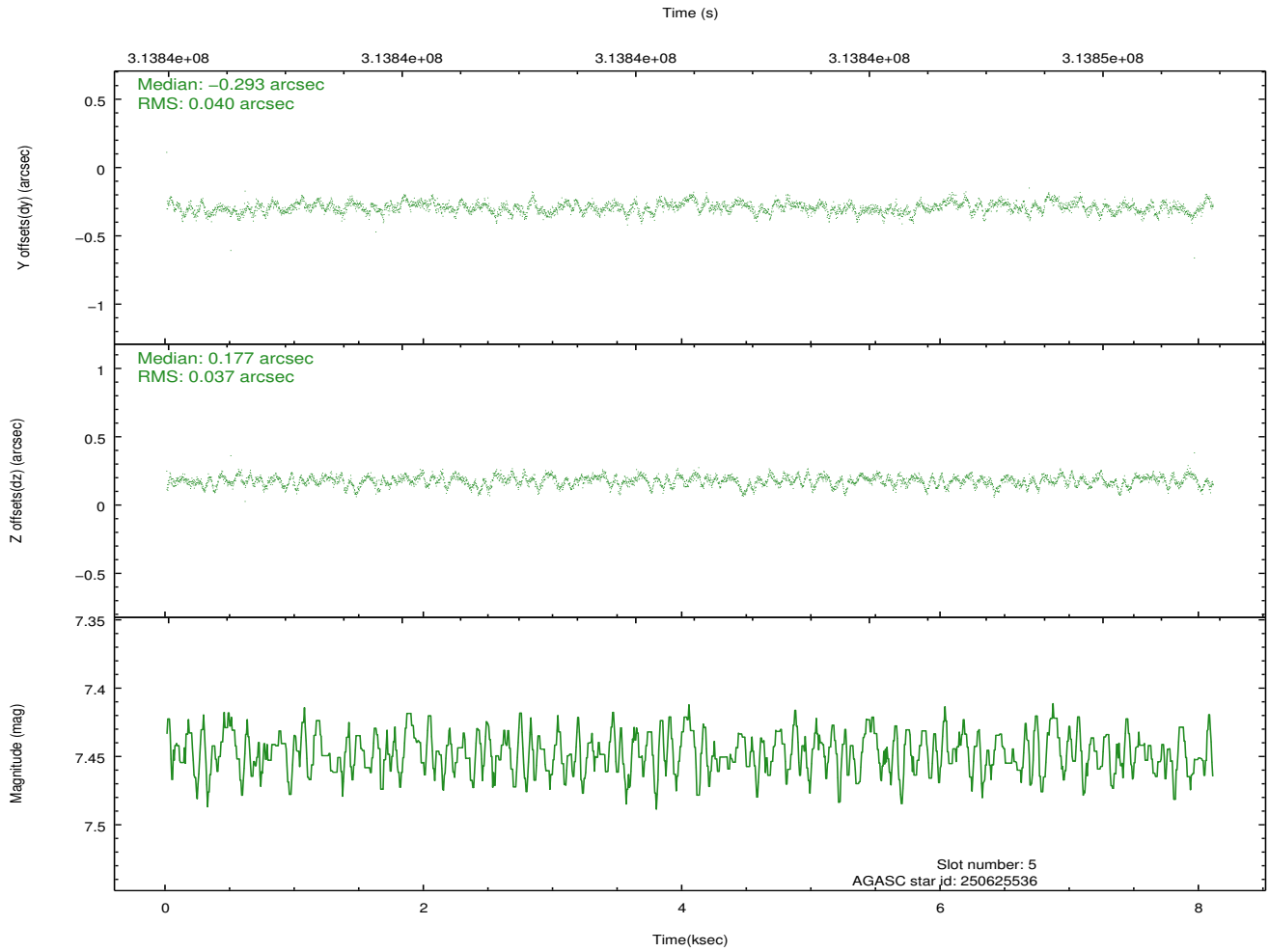
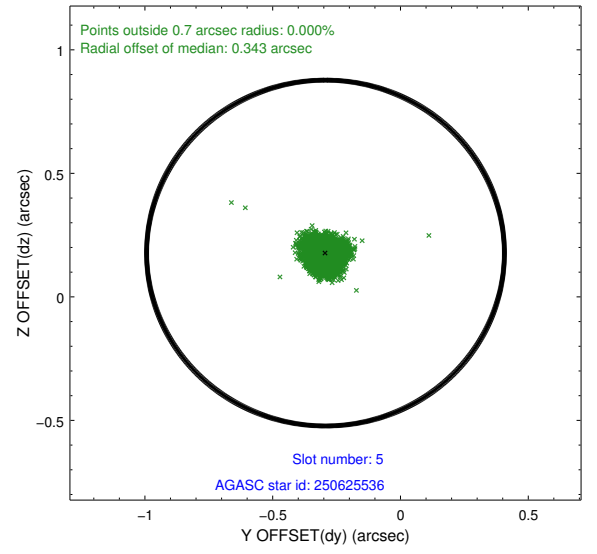
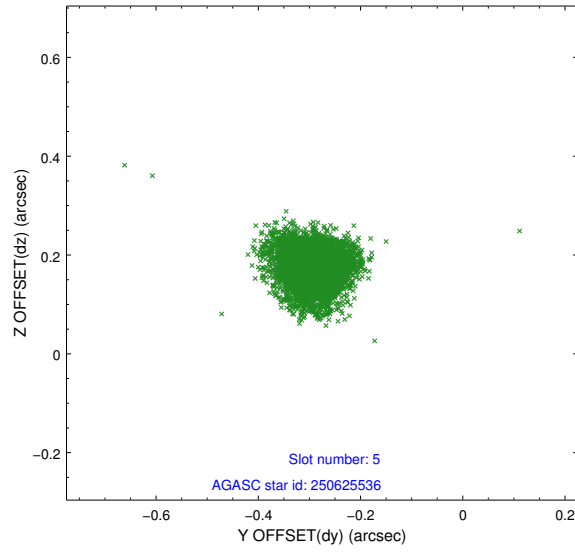
2.4.1 Slot 3



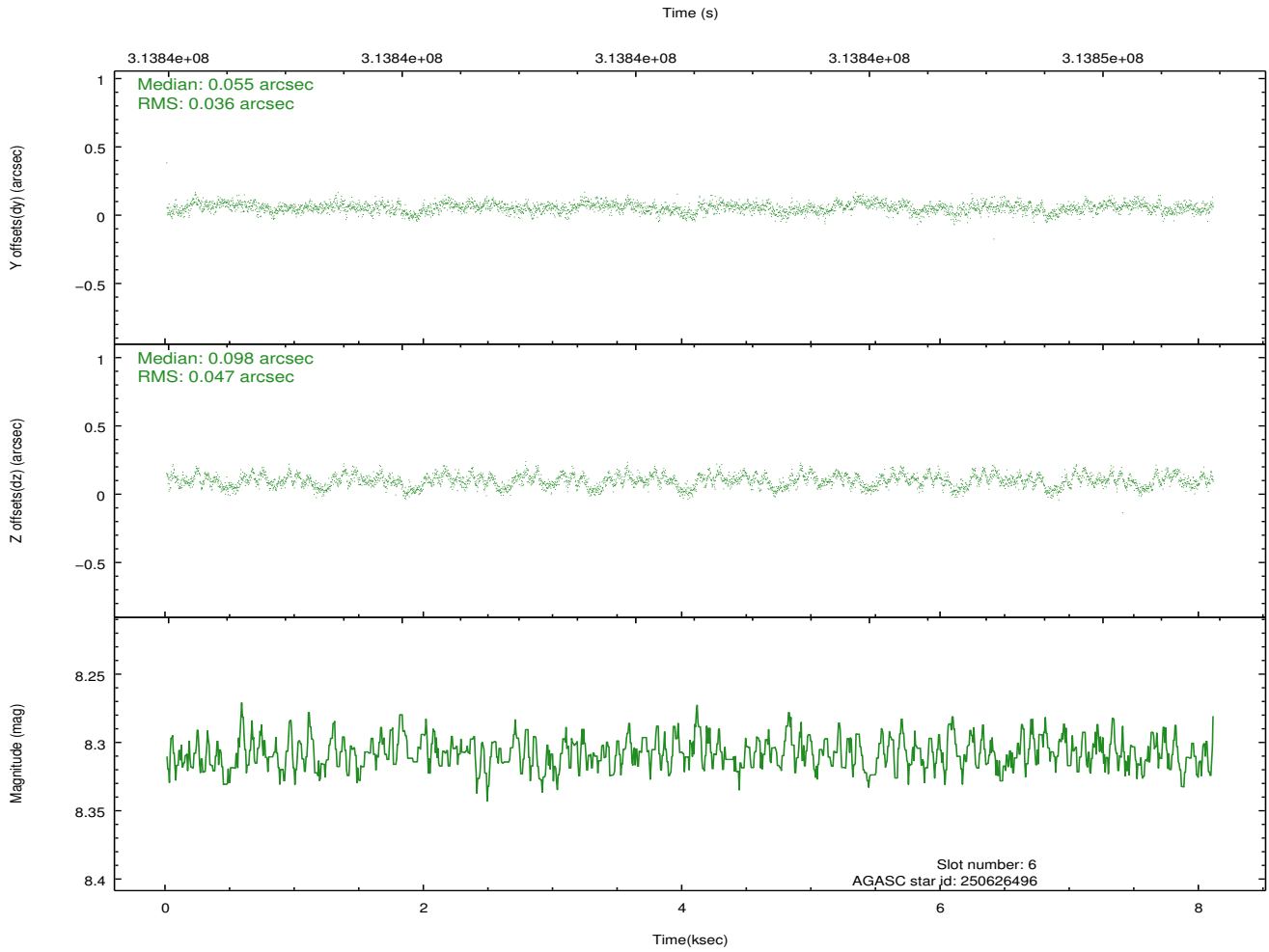
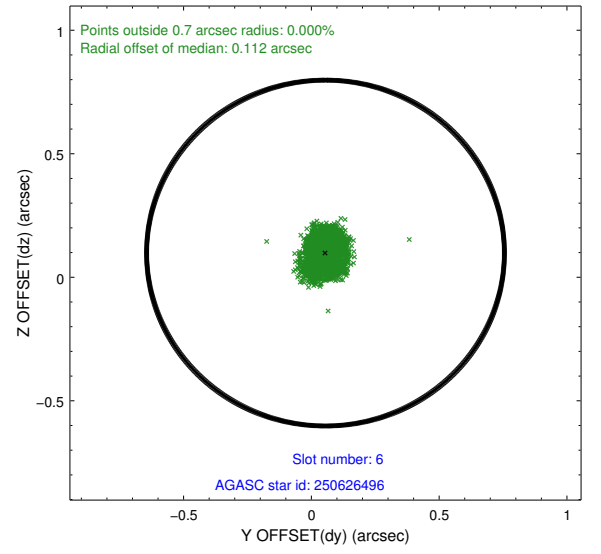
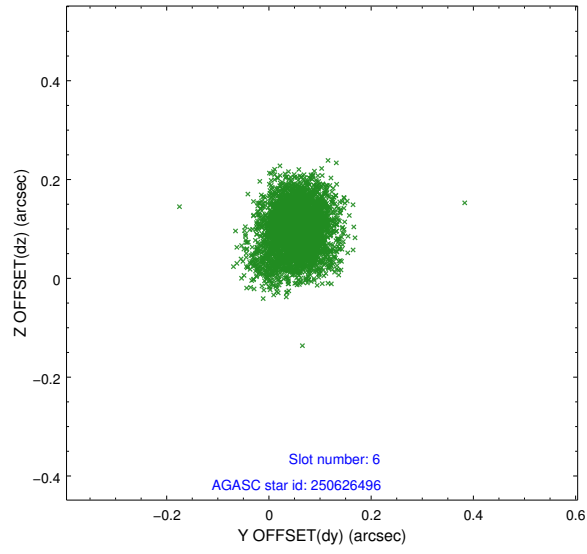
2.4.2 Slot 4



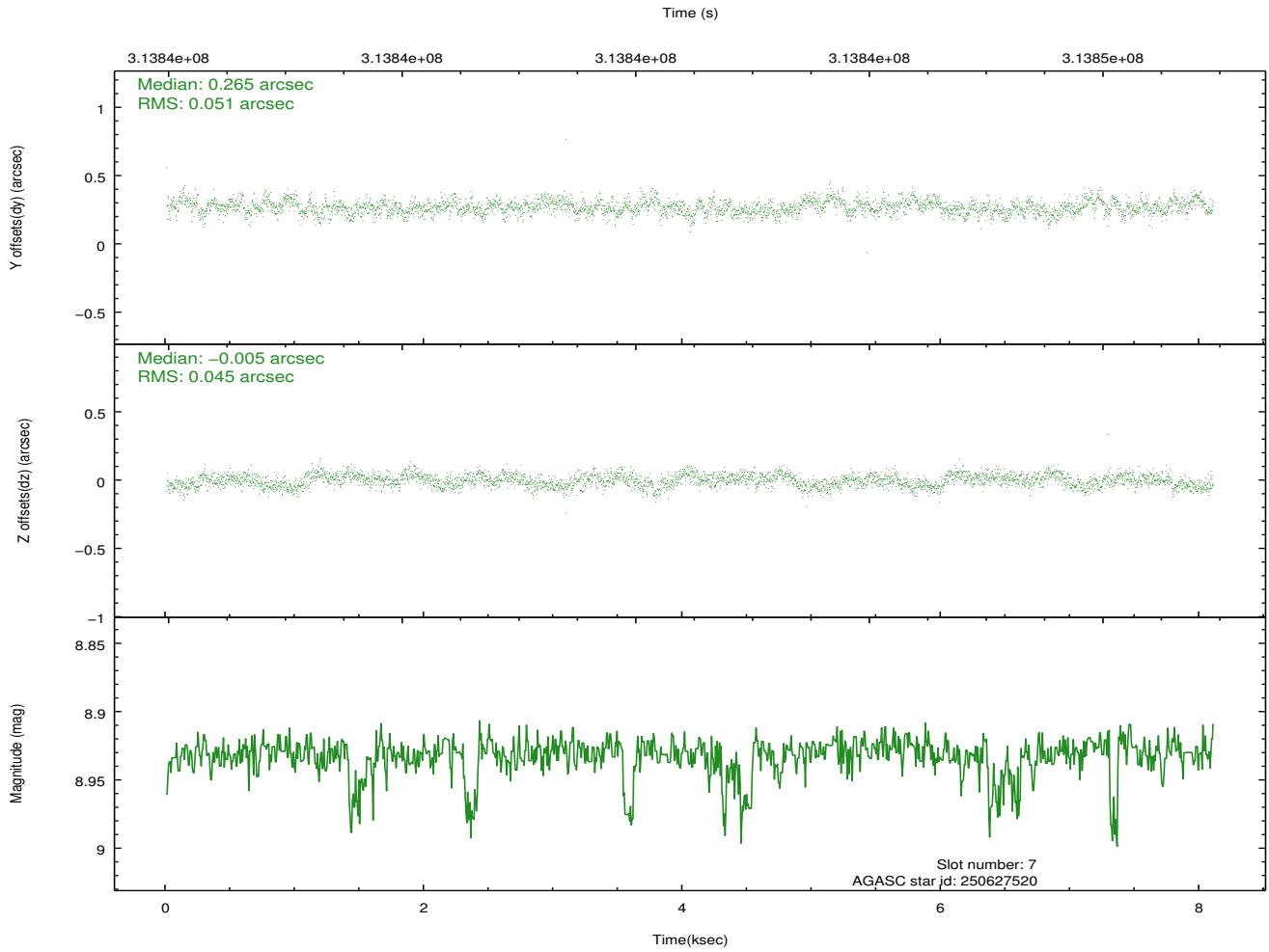
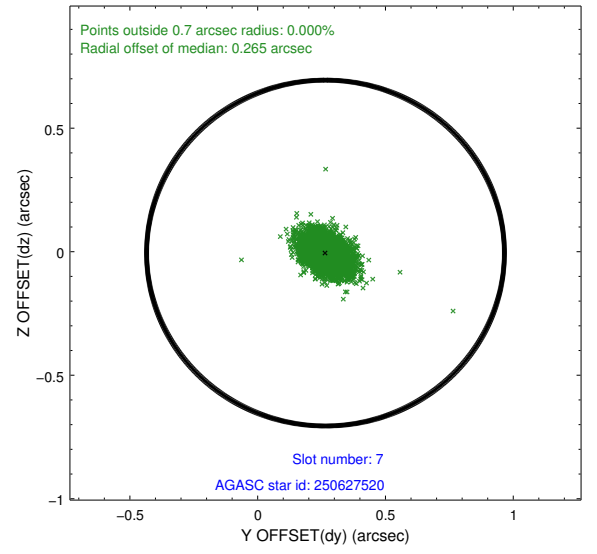
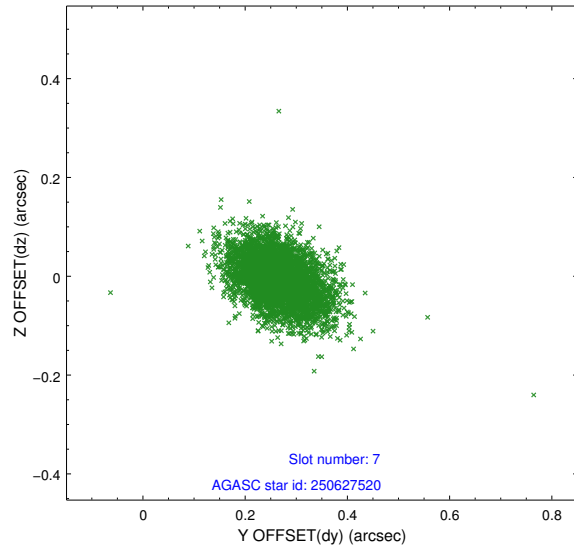
2.4.3 Slot 5



2.4.4 Slot 6

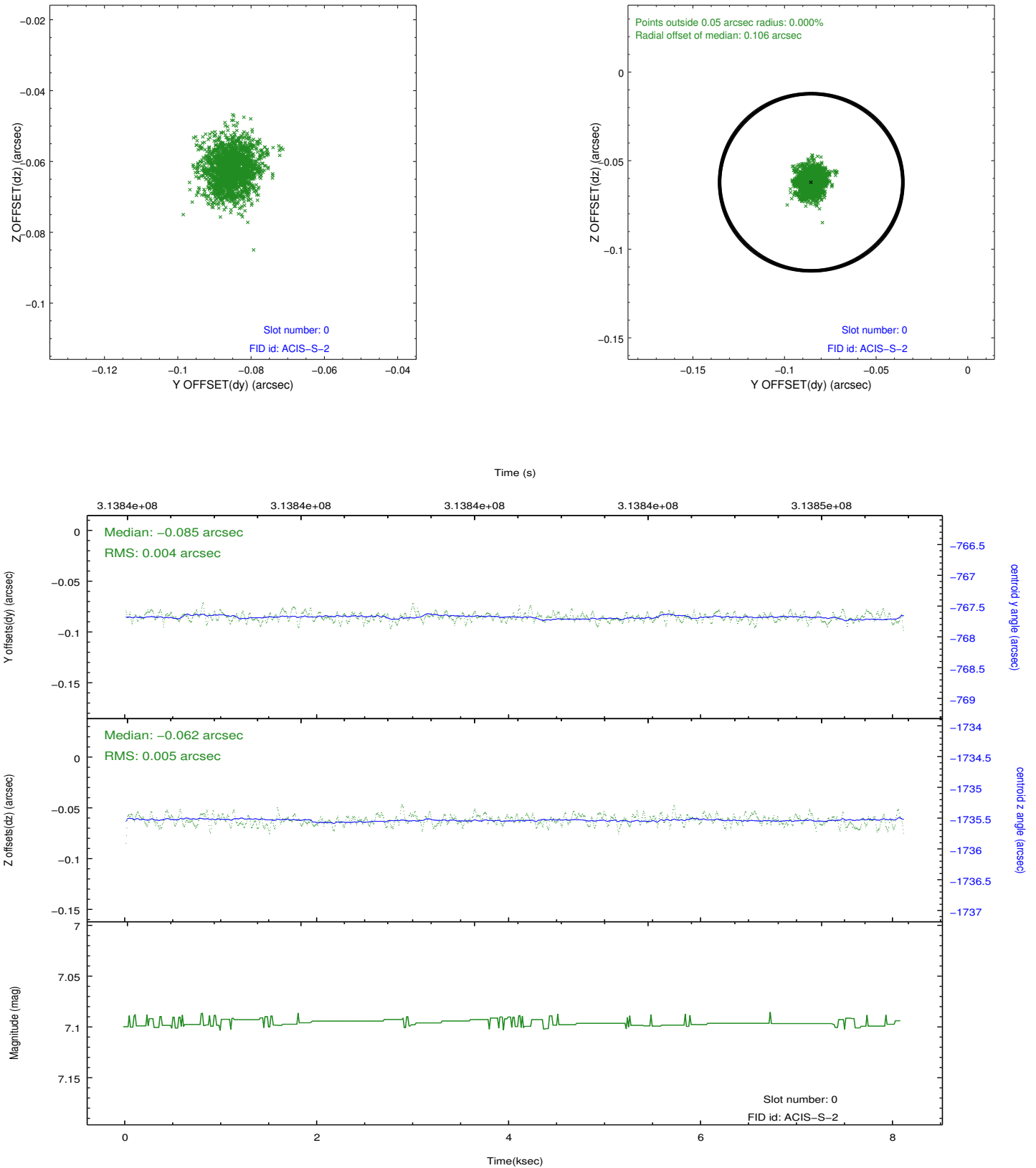


2.4.5 Slot 7

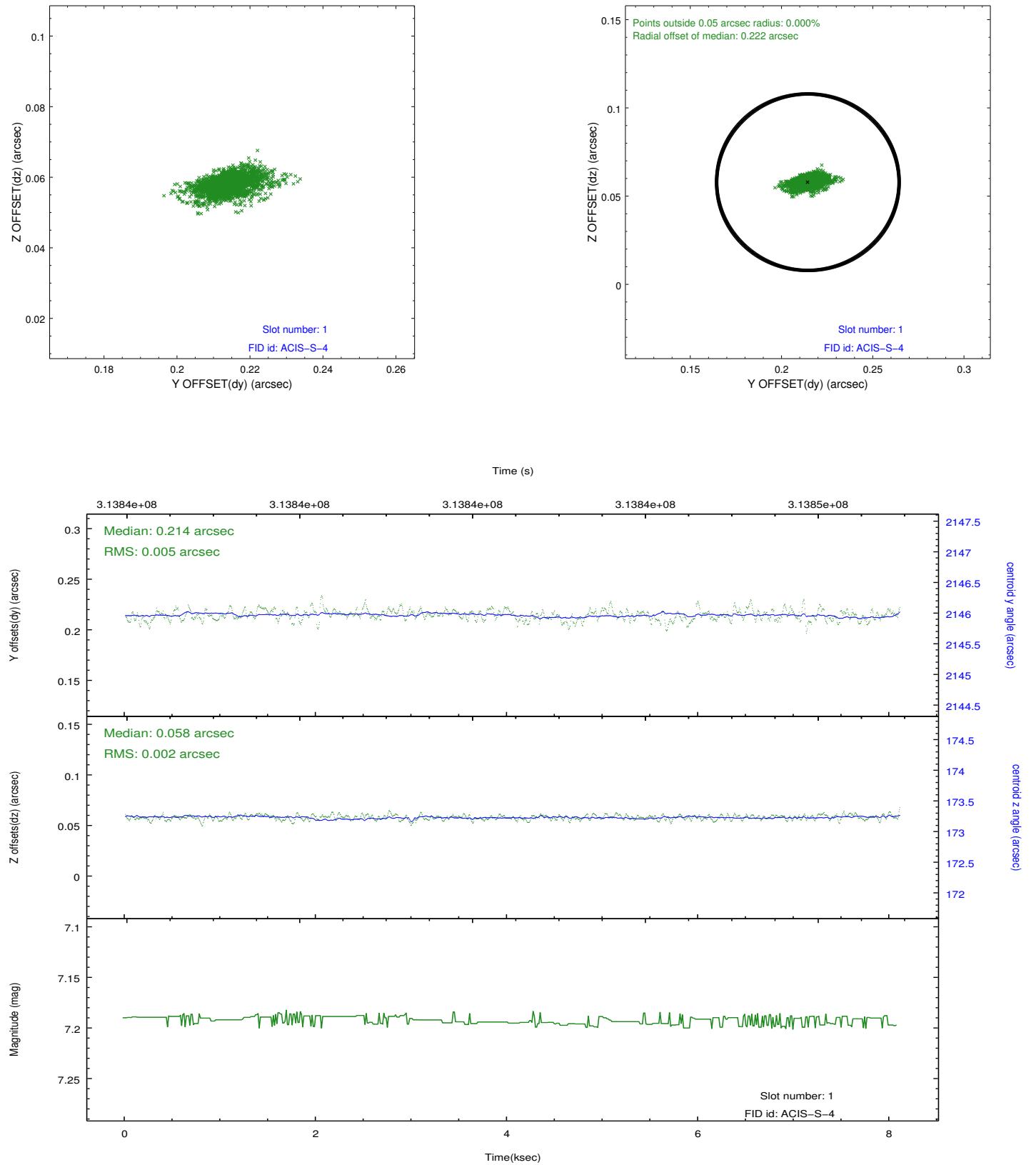


2.5 FID Slots

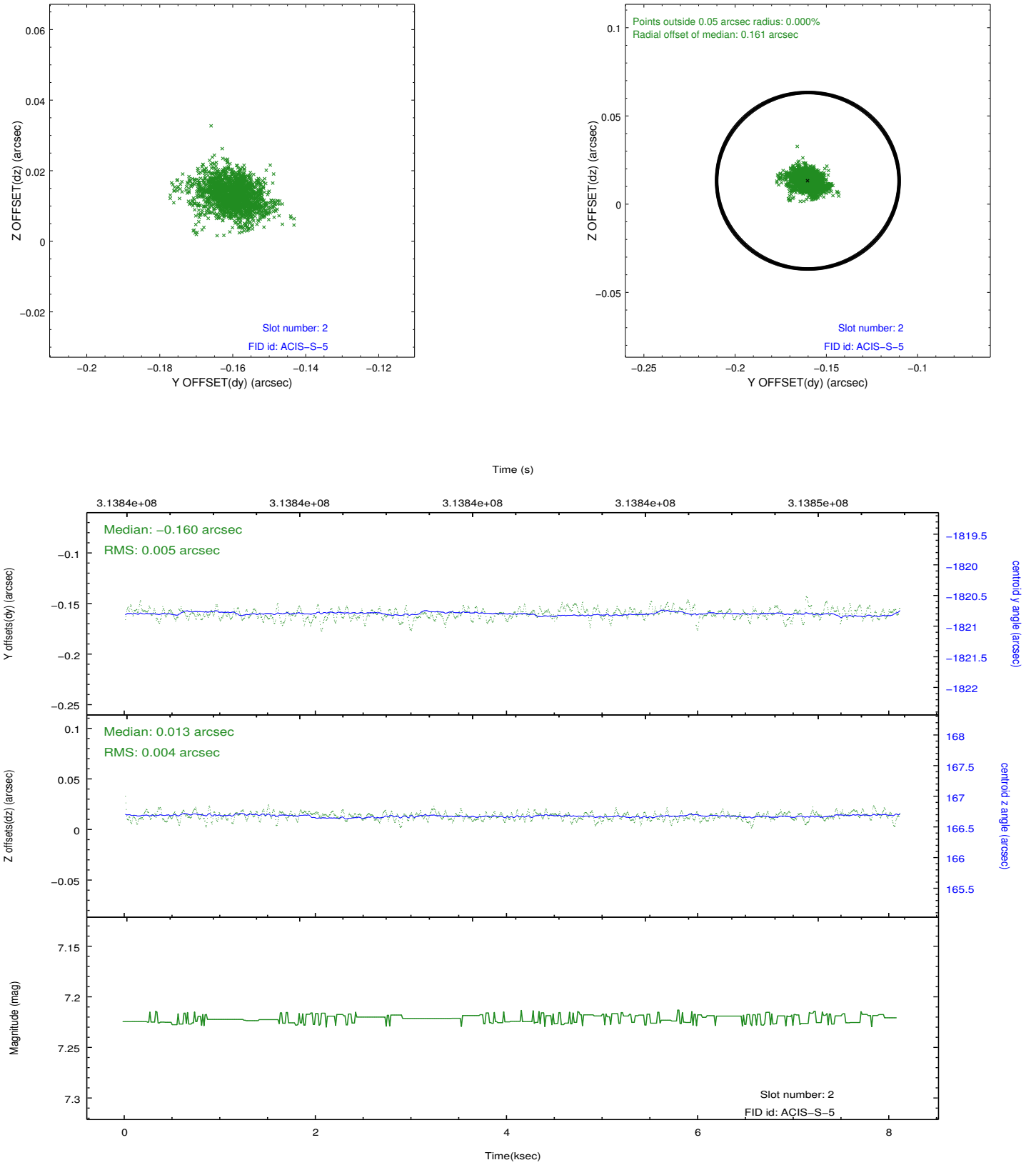
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.04319997

A.2 Comments