

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4865 - L2 Version 3
Chandra X-Ray Center

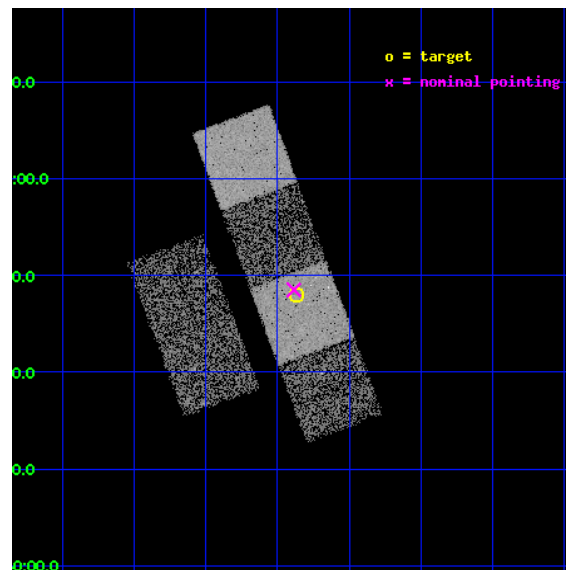
L2 Processing Date : Nov 11 2012

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1 Front

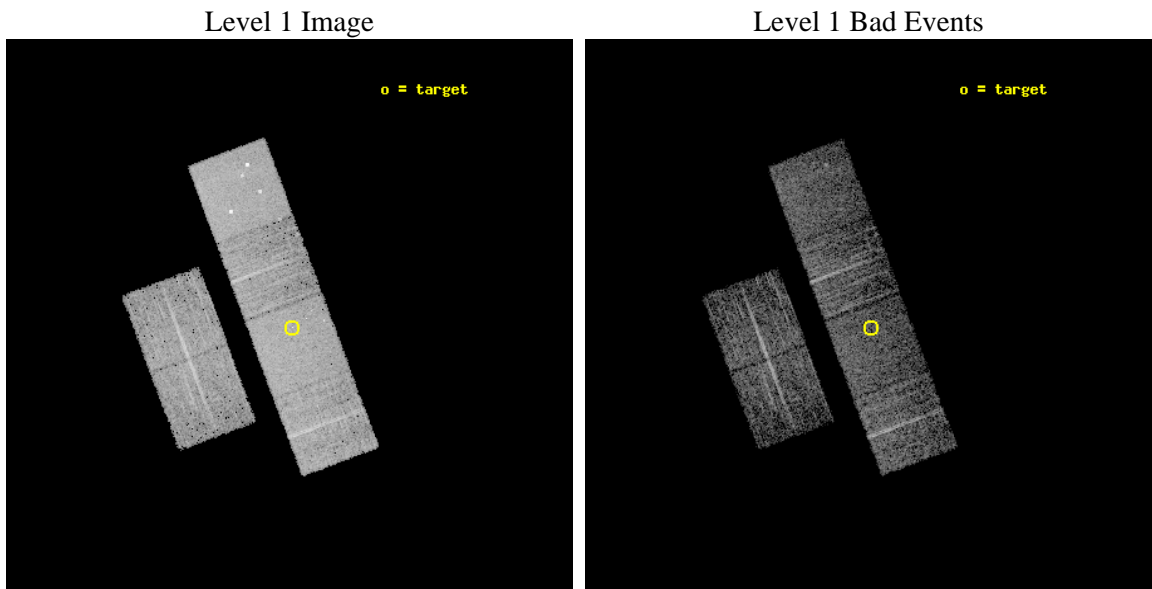
seq_num	700947	Sequence number
obs_id	4865	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J122652.01-001159.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.716667	Observer's specified target RA [deg]
dec_targ	-0.199889	Observer's specified target Dec [deg]
ra_nom	186.72150581175	Nominal RA [deg]
dec_nom	-0.19151575686333	Nominal Dec [deg]
roll_nom	69.467885109595	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.7433516383	Sum of GTIs [s]
livetime	4896.940094921	Livetime [s]
ontime2	4959.7843916416	Sum of GTIs [s]
ontime3	4959.6202316284	Sum of GTIs [s]
ontime5	4959.702311635	Sum of GTIs [s]
ontime6	4959.6612716317	Sum of GTIs [s]
ontime7	4959.7433516383	Sum of GTIs [s]
ontime8	4959.5791916549	Sum of GTIs [s]
l2events	51868	Number of level 2 events



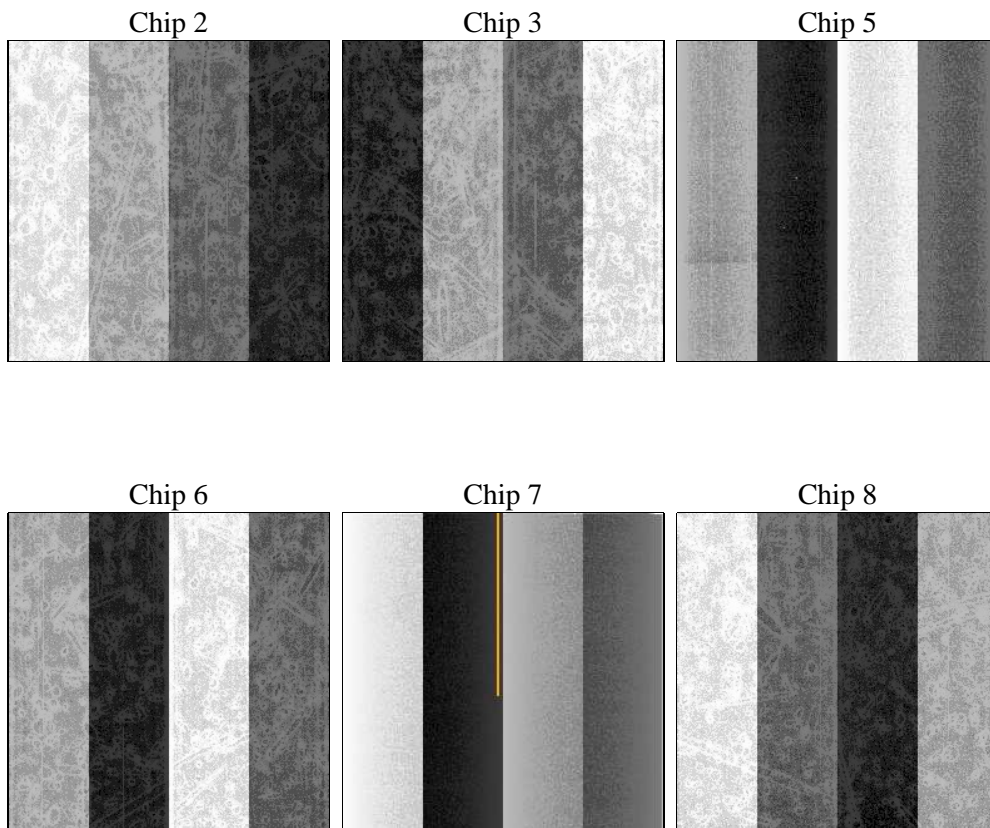
2 OBI

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	8.4.5	Processing system revision	ontime	4959.7433516383	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4959.7843916416	Sum of GTIs [s]
date	2012-11-11T23:03:51	Date and time of file creation	ontime3	4959.6202316284	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.702311635	Sum of GTIs [s]
			ontime6	4959.6612716317	Sum of GTIs [s]
			ontime7	4959.7433516383	Sum of GTIs [s]
			ontime8	4959.5791916549	Sum of GTIs [s]
			l1events	227496	Number of level 1 events

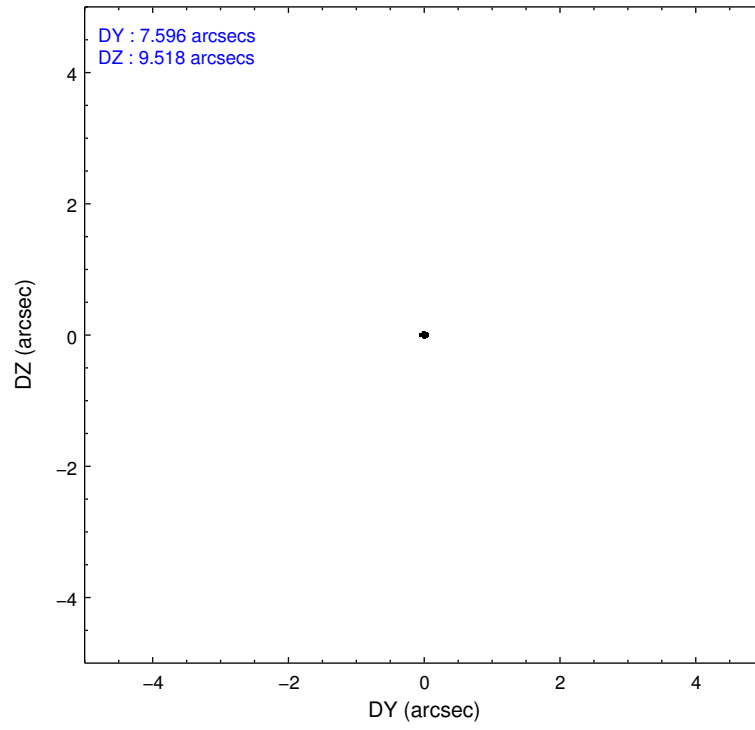
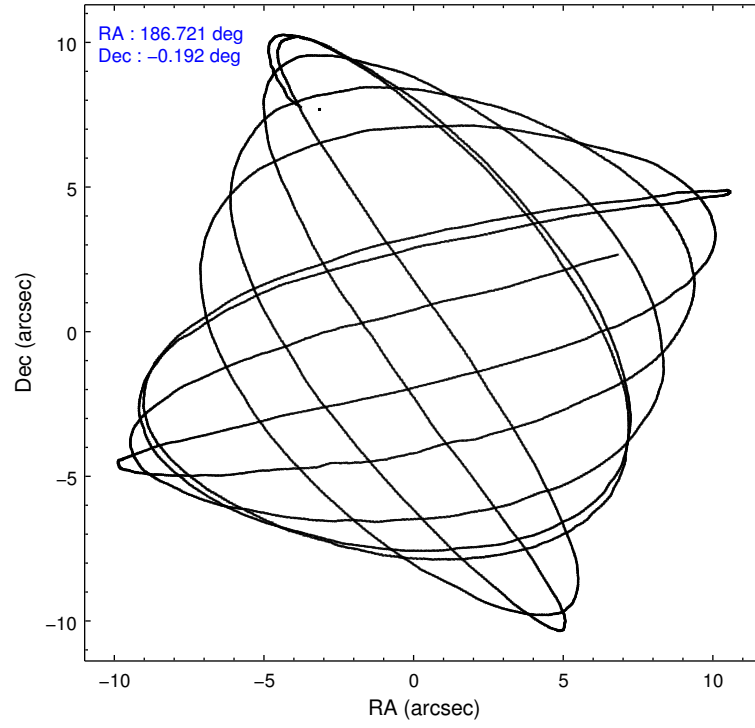
2.1.4 Events

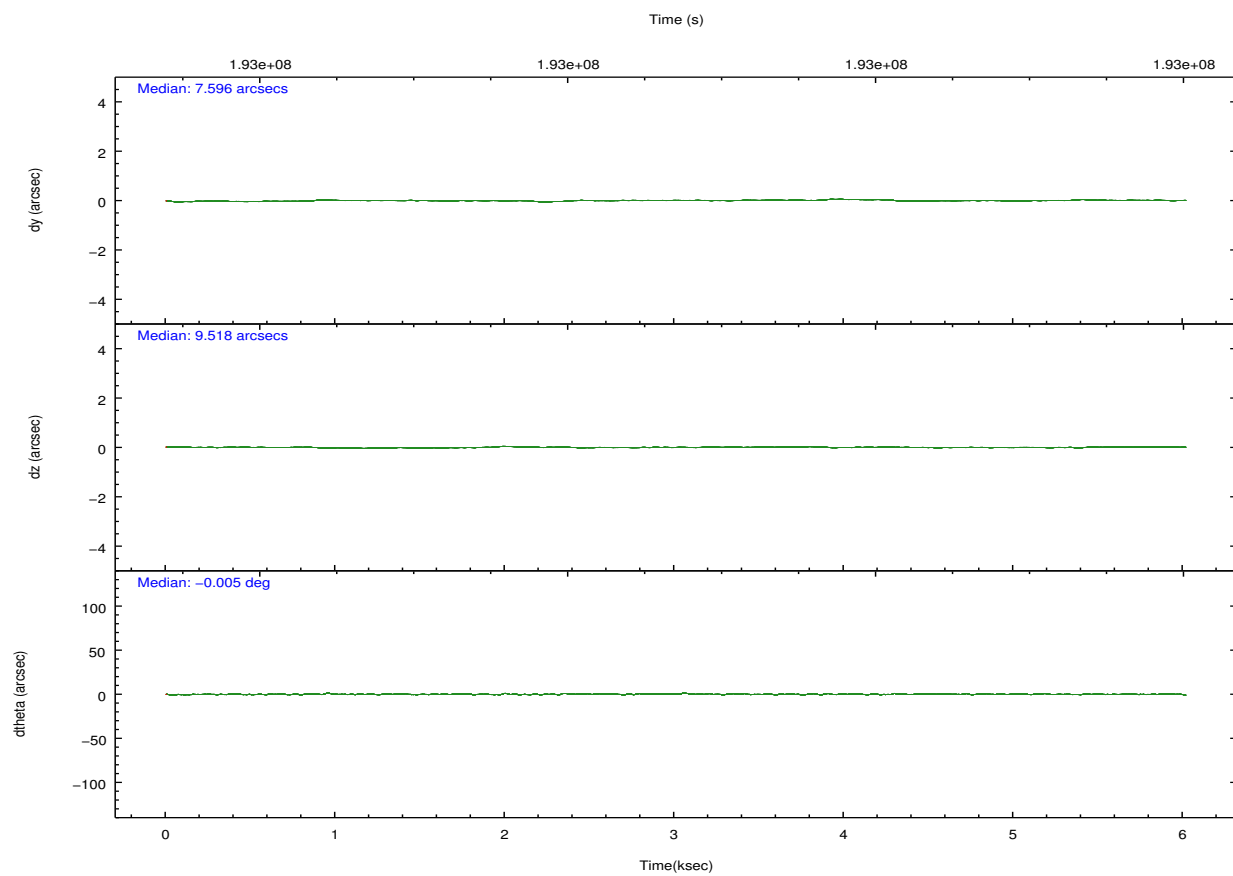
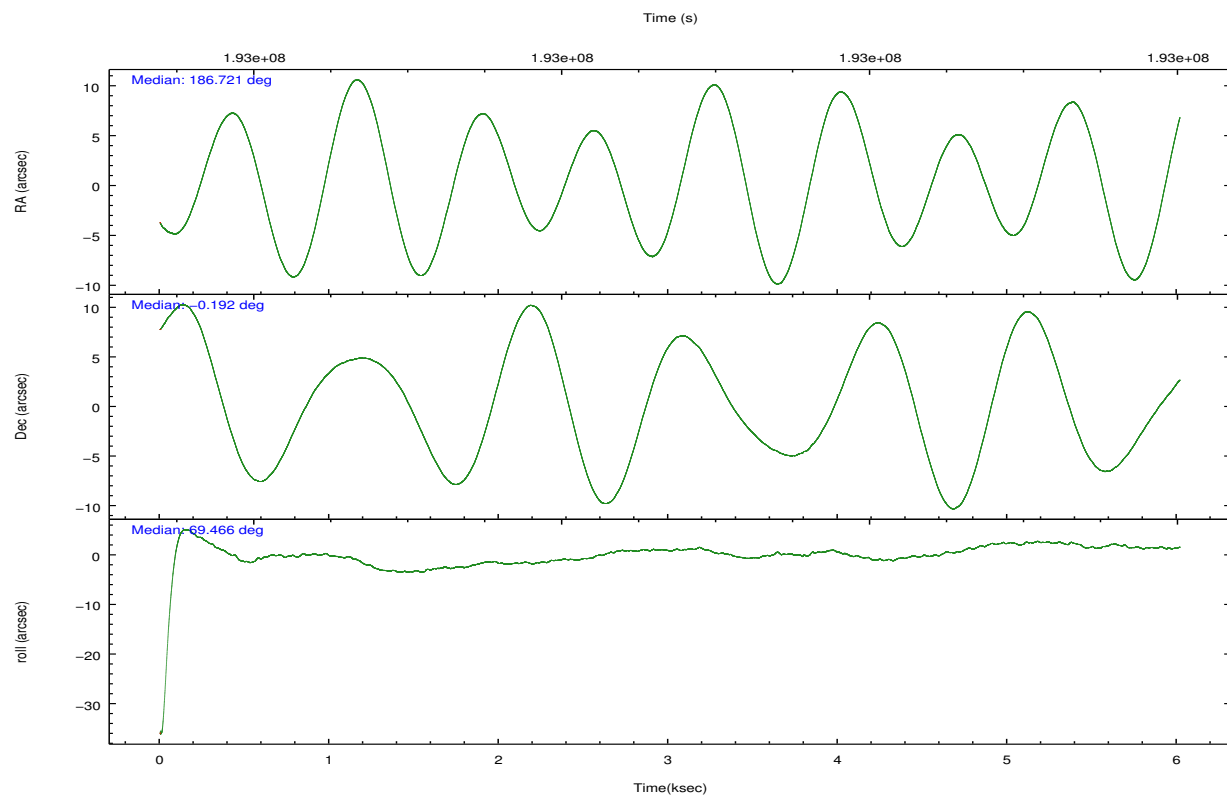
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31903	29322	49239	32801	44214	40017	grade 0 events	1717	1796	3871	1490	1941	2844
rejected events	28065	25400	25822	28930	25911	31291		5%	6%	7%	4%	4%	7%
rejected %	87%	86%	52%	88%	58%	78%	grade 1 events	18	12	174	17	26	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	785	730	6671	836	3703	1828
								2%	2%	13%	2%	8%	4%
							grade 3 events	346	387	856	366	1629	974
								1%	1%	1%	1%	3%	2%
							grade 4 events	391	370	842	358	1559	875
								1%	1%	1%	1%	3%	2%
							grade 5 events	1245	1410	3330	1501	4241	1877
								3%	4%	6%	4%	9%	4%
							grade 6 events	605	647	11211	824	9499	2213
								1%	2%	22%	2%	21%	5%
							grade 7 events	26796	23970	22284	27409	21616	29378
								83%	81%	45%	83%	48%	73%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.726435	186.7215058117523	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.218364	-0.1915157568633263	Alternating exposures requested	N	N
[deg] Pointing Roll	69.311356	69.46788510959482	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	192998718.184000	192997342.38415			
Observation start date	2004-02-12T18:44:14	2004-02-12T18:22:22			
[s] Observation end time (MET)	193003718.184000	193004604.50947			
Observation end date	2004-02-12T20:07:34	2004-02-12T20:23:24			
Read mode	TIMED	TIMED			

2.3 Aspect



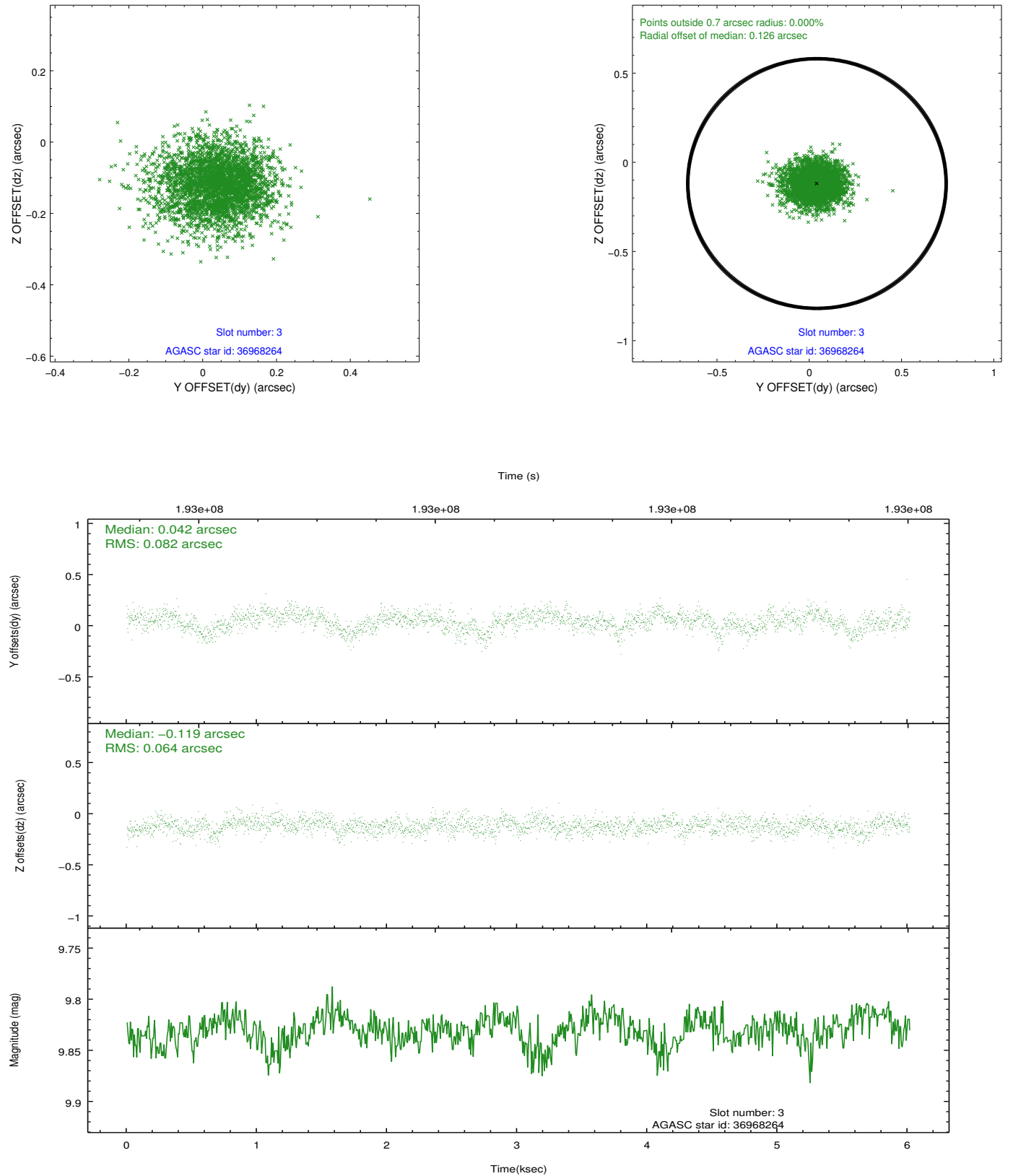


Slot Statistics

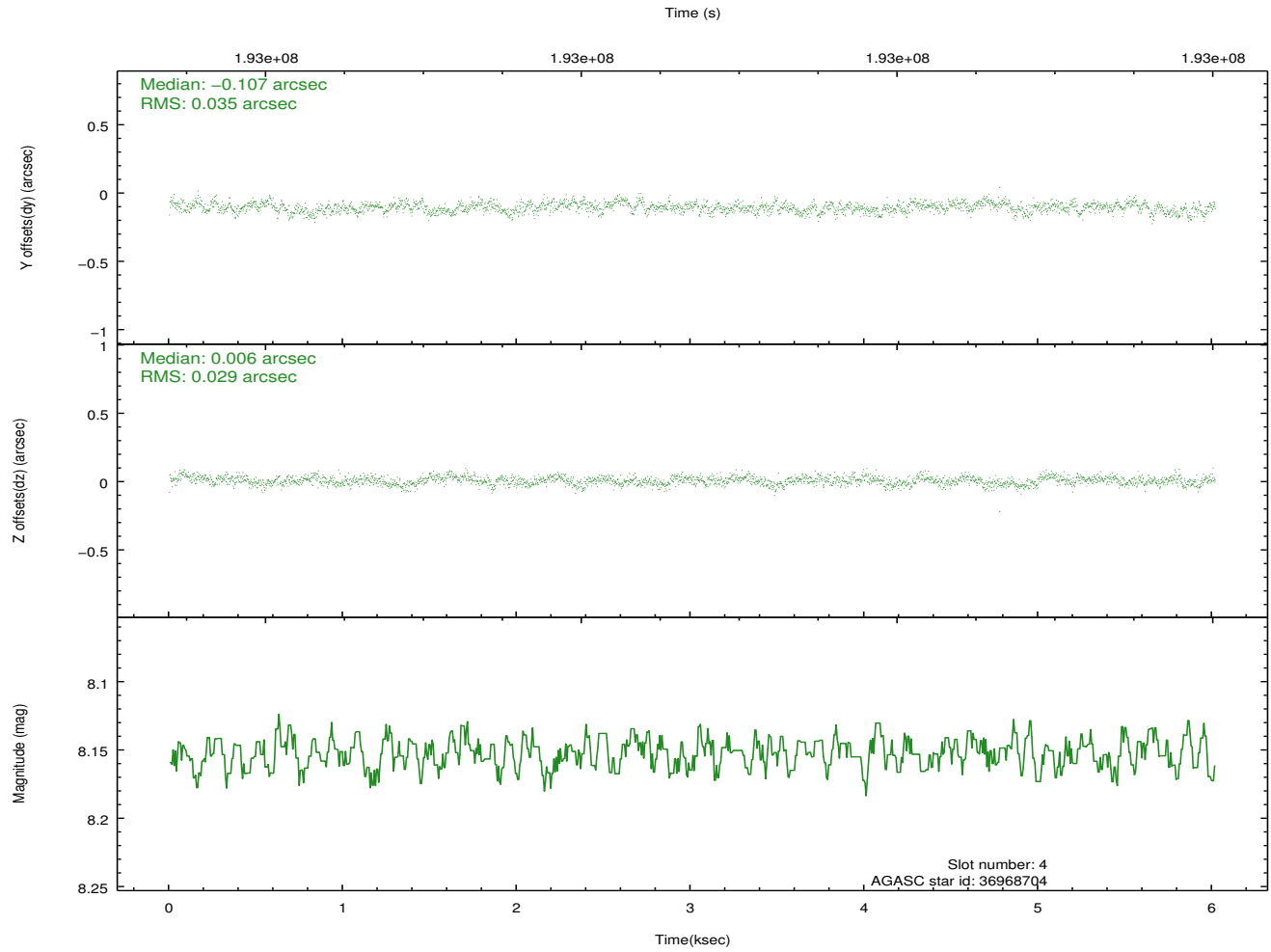
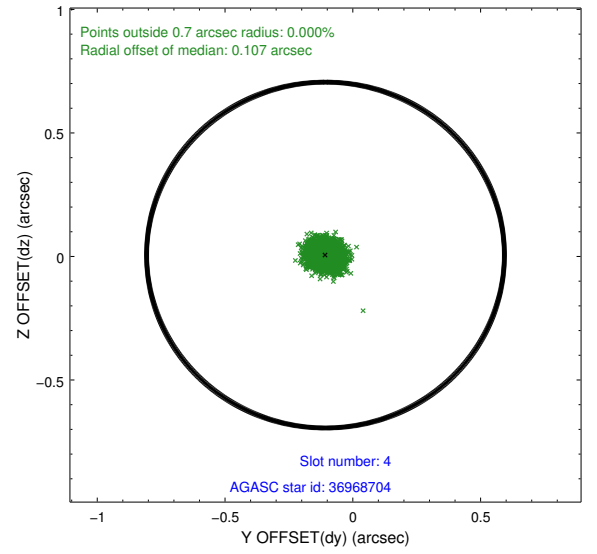
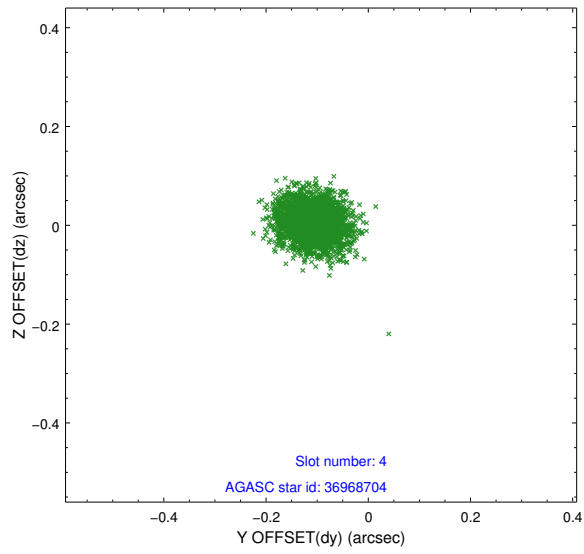
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1468	-0.037	-0.033	0.007	0.011	0.000000	0.000000	-760.37	-1730.79
1	FID	ACIS-S-4	7.20	1468	0.089	0.027	0.006	0.010	0.000000	0.000000	2152.56	176.77
2	FID	ACIS-S-5	7.23	1468	-0.083	0.015	0.006	0.011	0.000000	0.000000	-1812.02	171.49
3	GUIDE	36968264	9.83	2935	0.042	-0.119	0.109	0.181	186.857069	0.199456	1573.33	91.16
4	GUIDE	36968704	8.15	2935	-0.107	0.006	0.048	0.079	186.570138	0.514751	2270.66	1458.88
5	GUIDE	36969392	8.79	2936	-0.036	-0.103	0.065	0.104	186.429114	0.515782	2095.09	1935.23
6	GUIDE	36970160	8.86	2936	0.000	0.176	0.077	0.122	186.752121	0.119529	1171.44	343.86
7	GUIDE	647628352	9.44	2934	0.108	0.045	0.089	0.148	186.642249	-0.148810	127.79	371.75

2.4 Star Slots

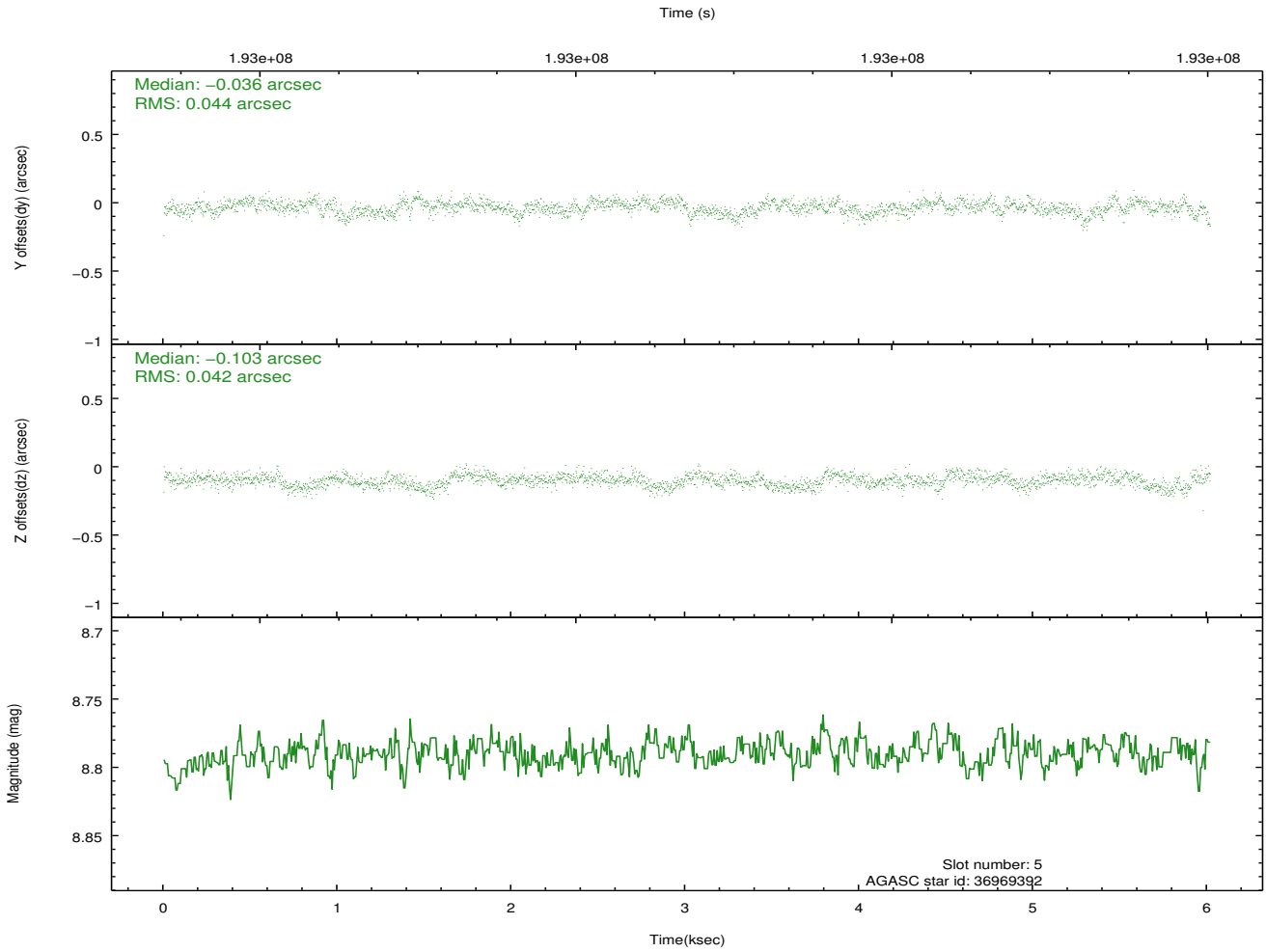
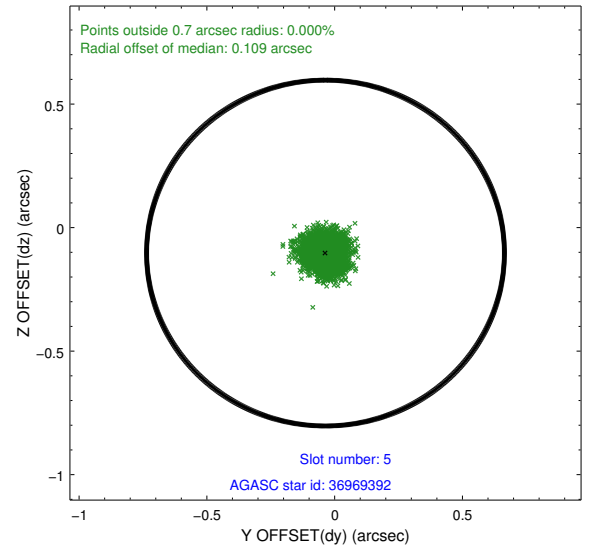
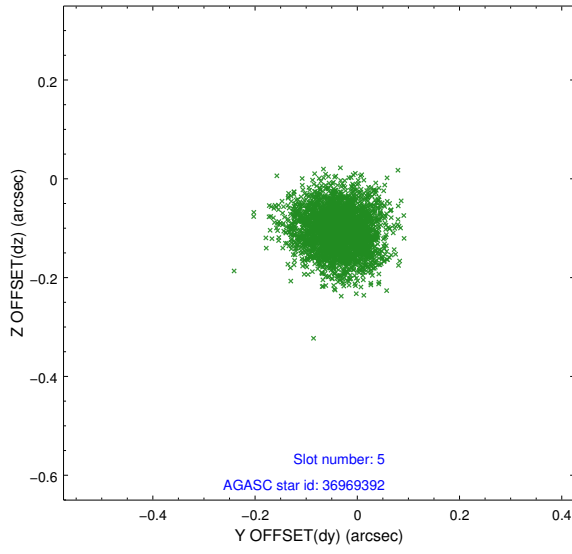
2.4.1 Slot 3



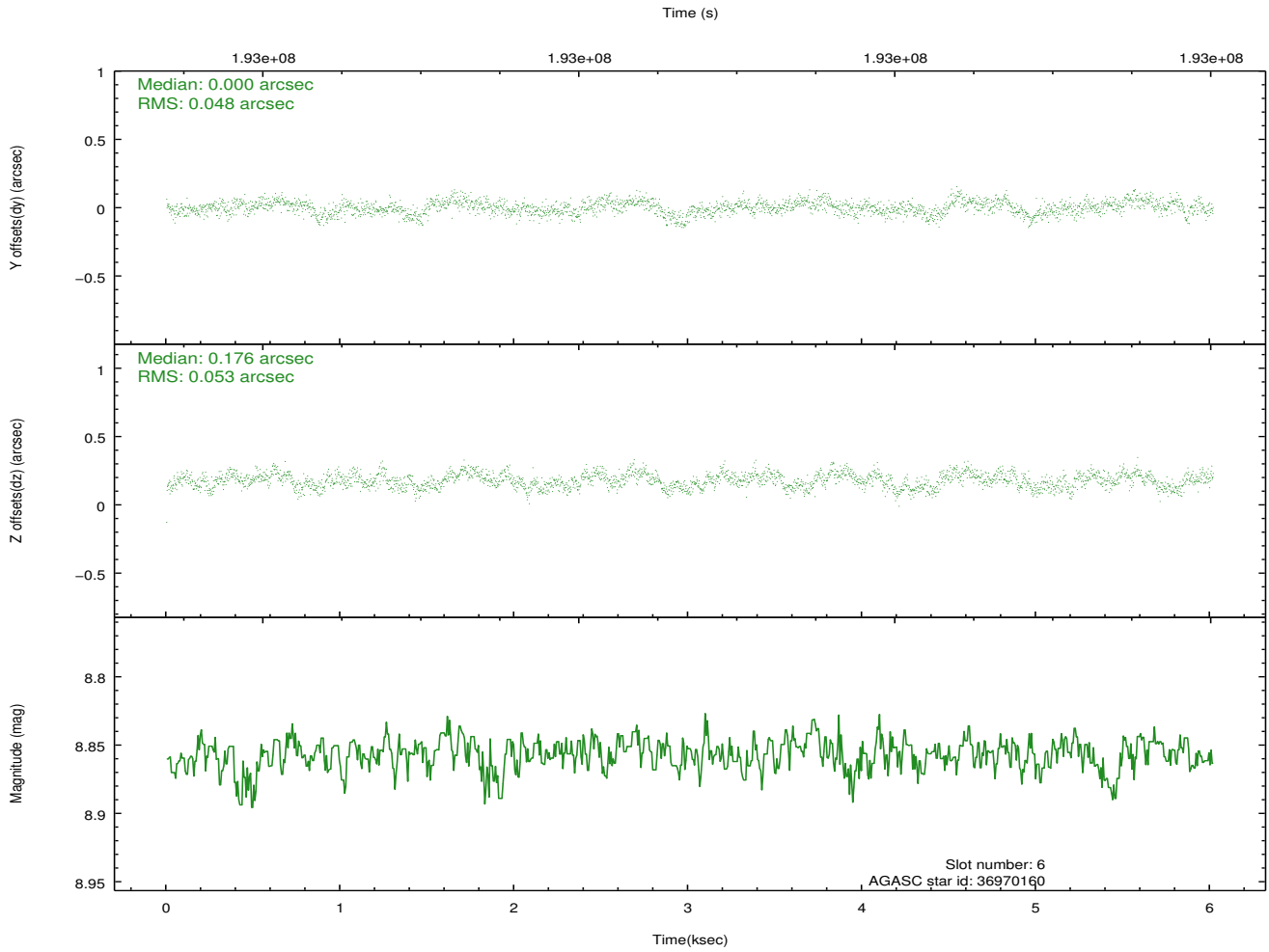
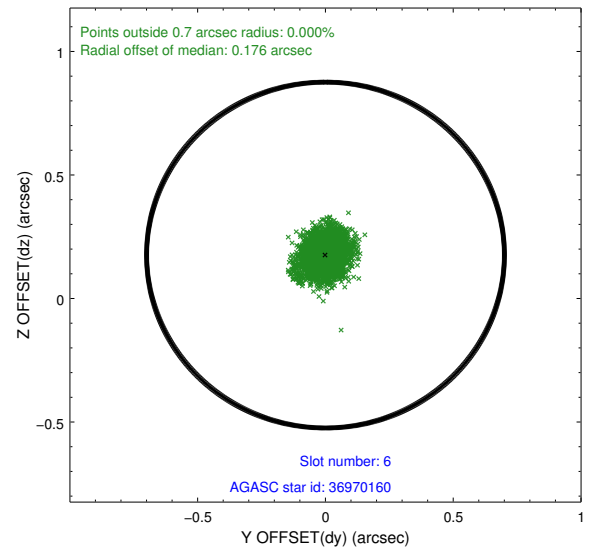
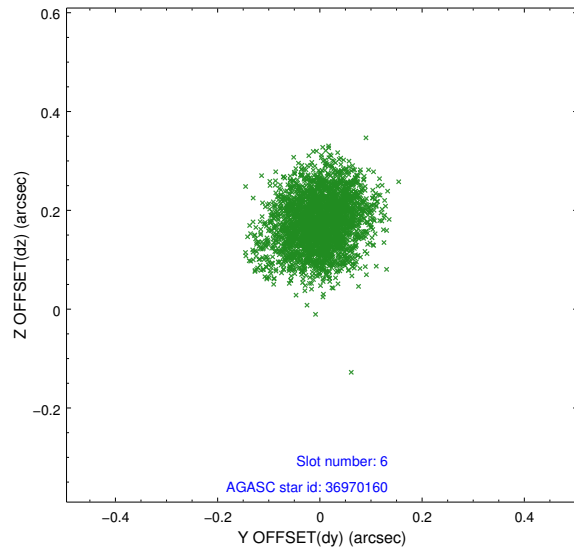
2.4.2 Slot 4



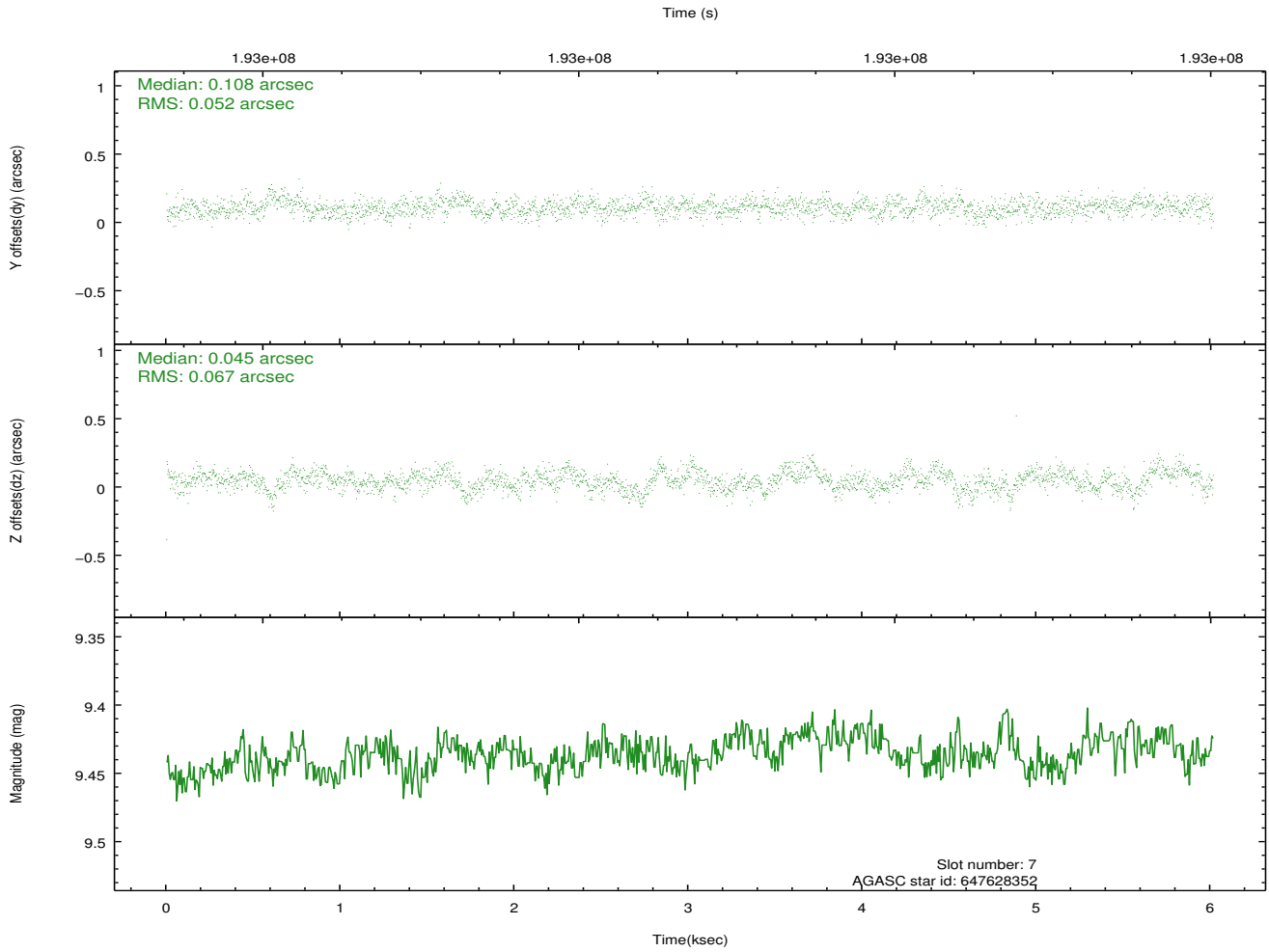
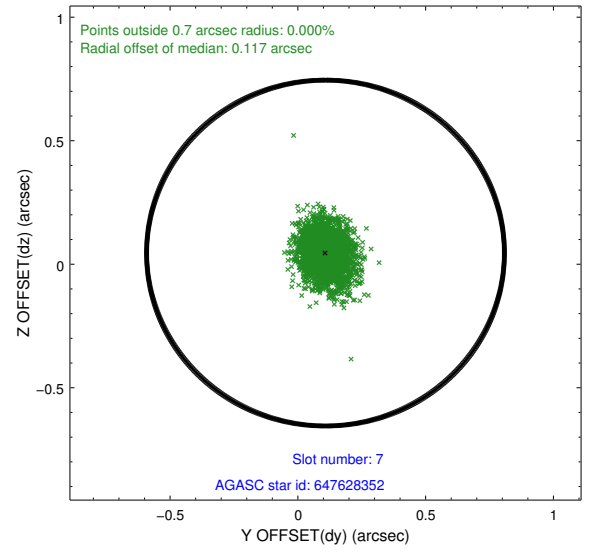
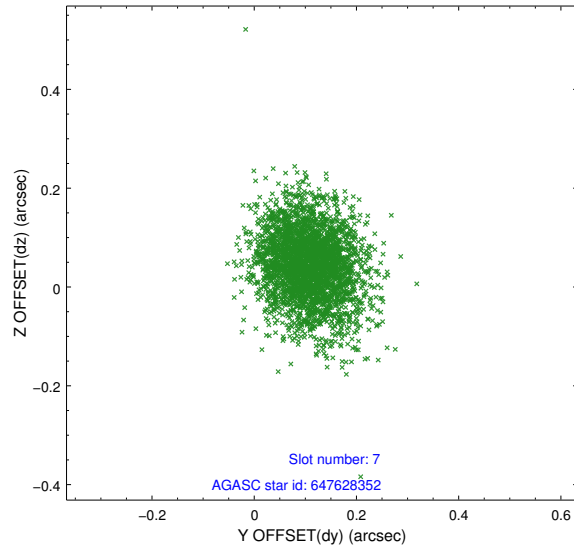
2.4.3 Slot 5



2.4.4 Slot 6

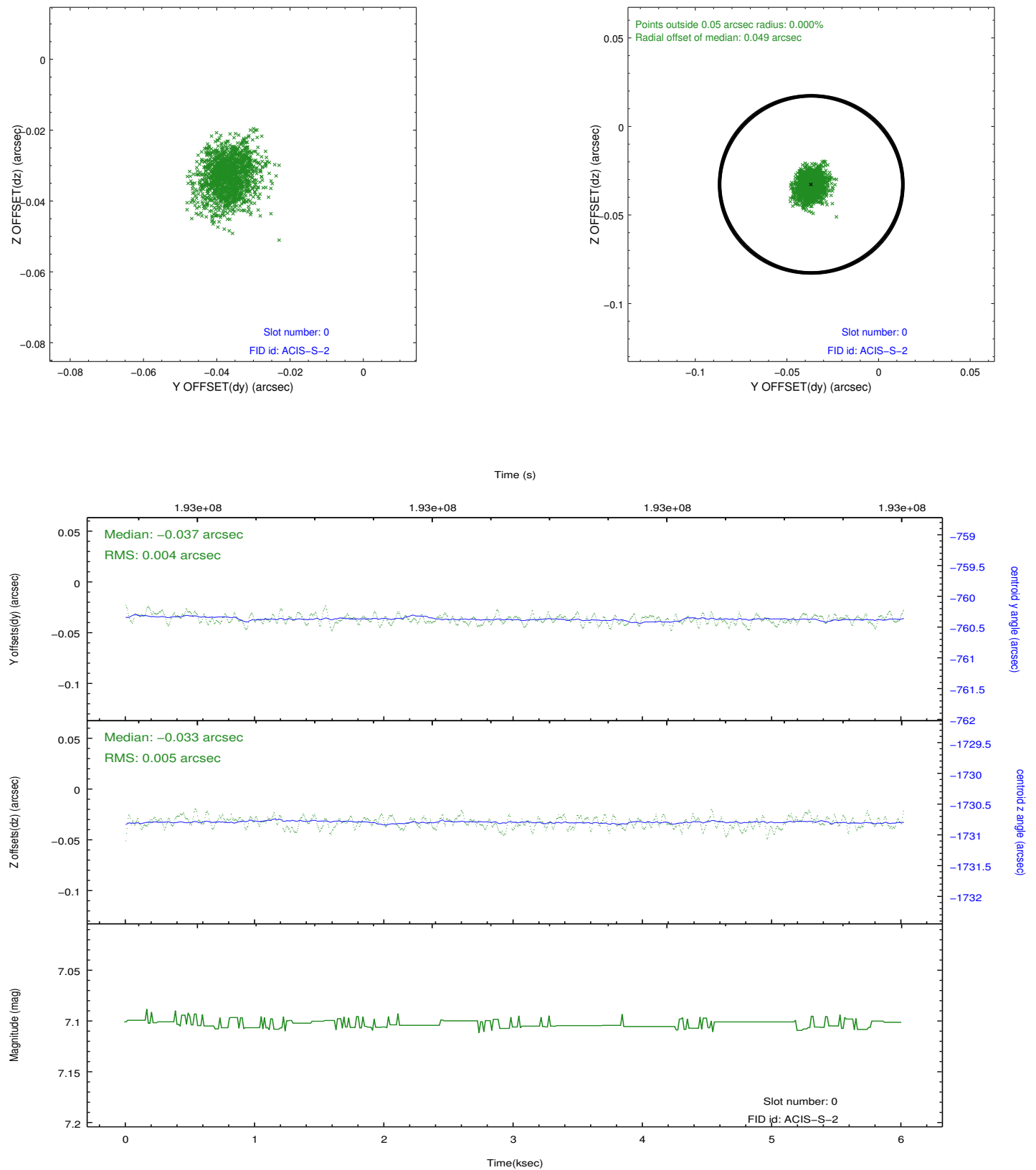


2.4.5 Slot 7

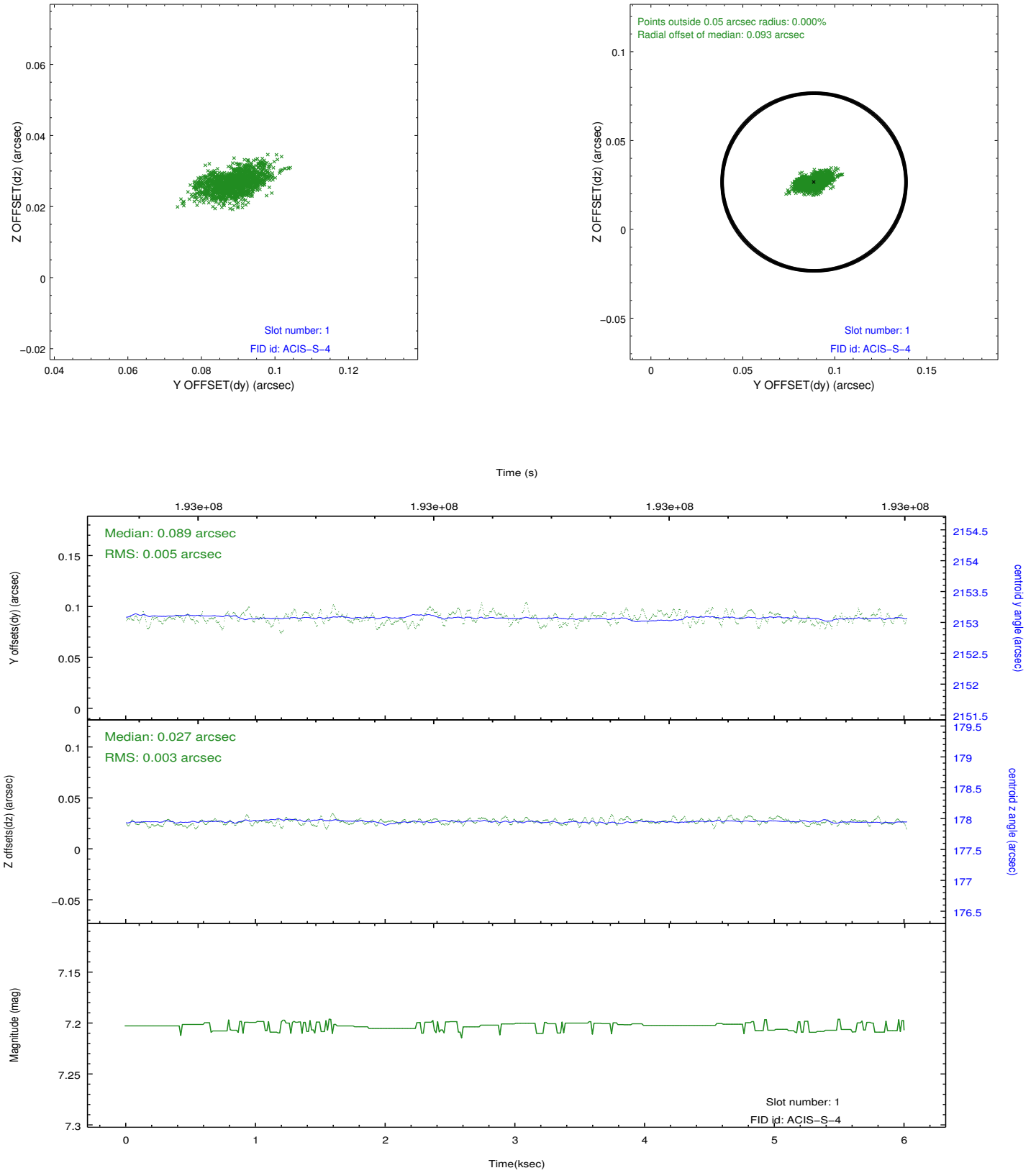


2.5 FID Slots

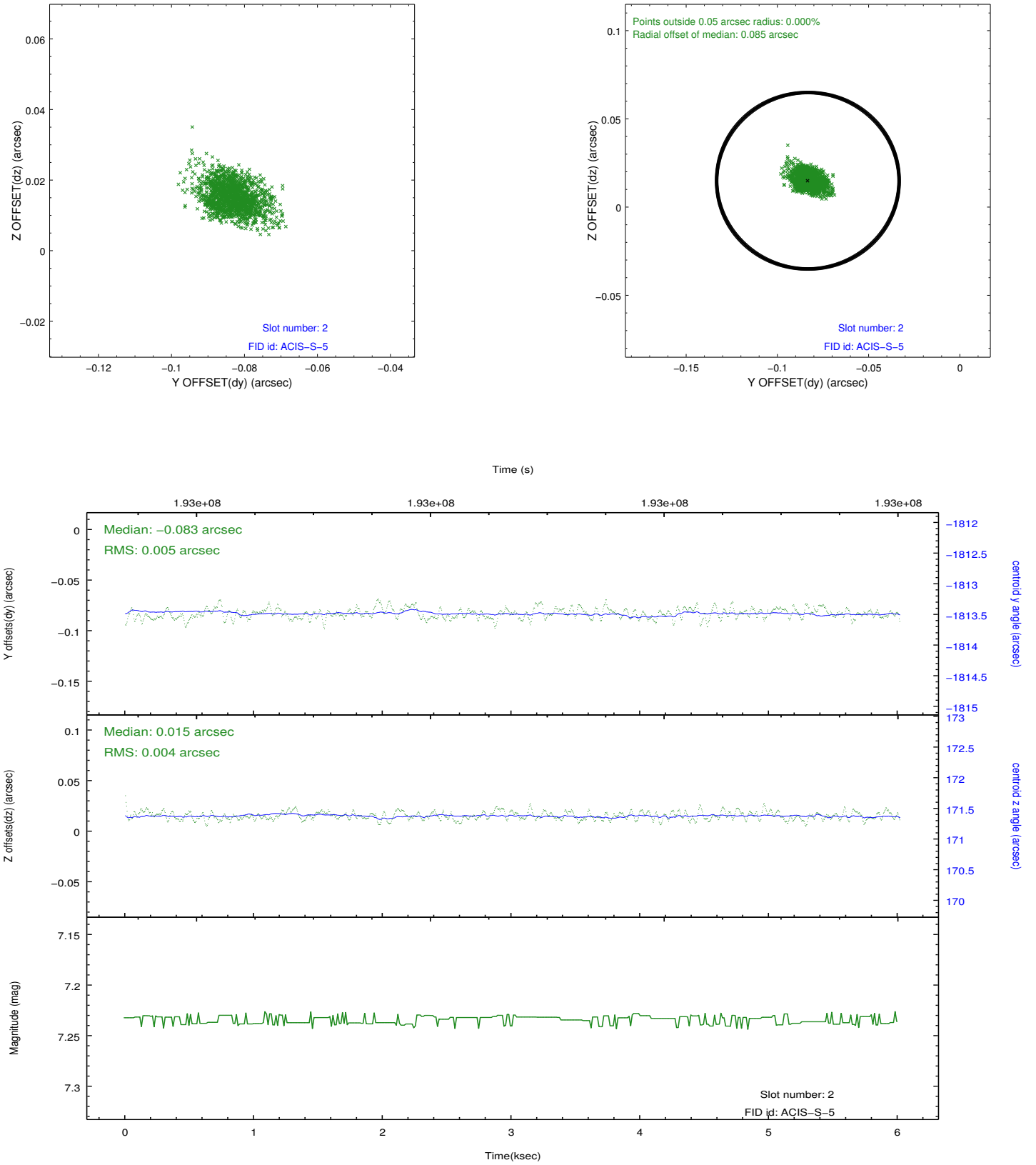
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.959

A.2 Comments