

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11326 - L2 Version 2
Chandra X-Ray Center

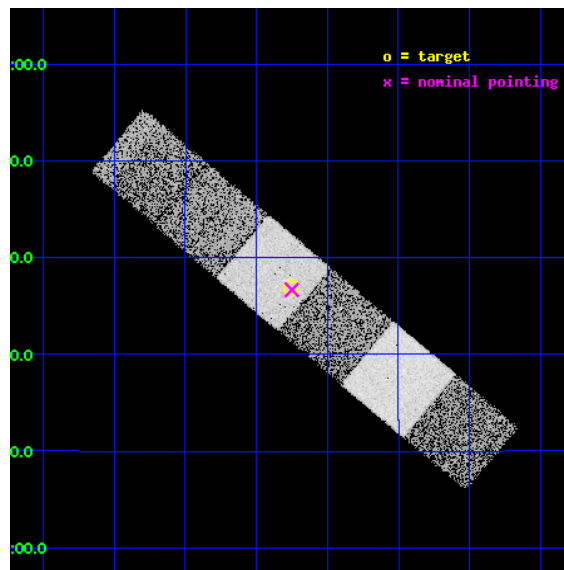
L2 Processing Date : Jun 24 2012

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1 Front

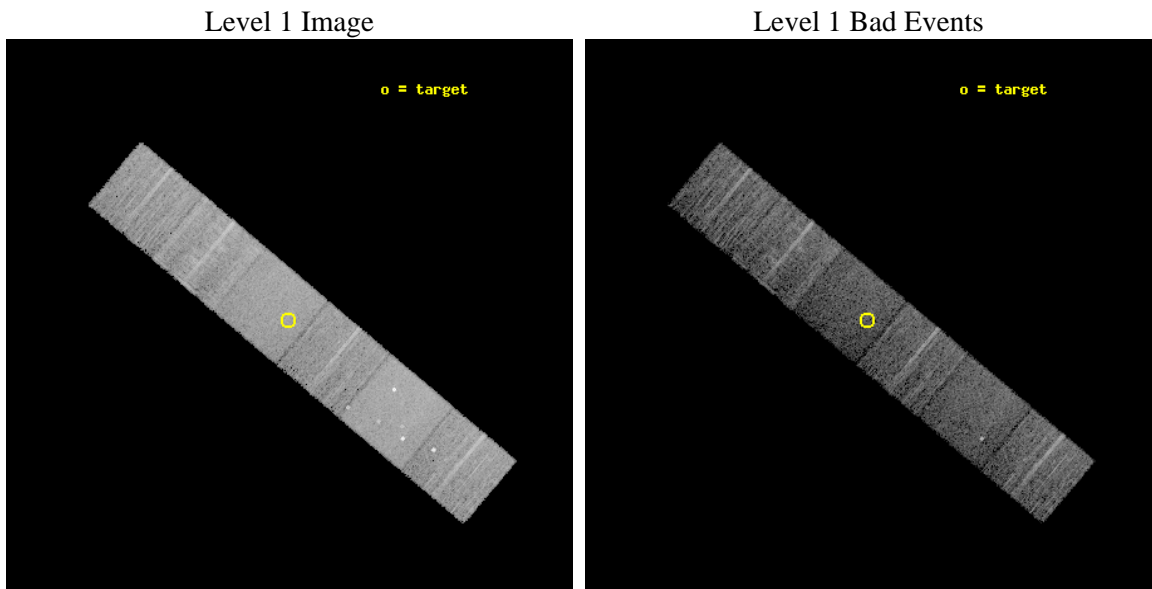
seq_num	600845	Sequence number
obs_id	11326	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC042982	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	191.314	Observer's specified target RA [deg]
dec_targ	7.61568	Observer's specified target Dec [deg]
ra_nom	191.31249388349	Nominal RA [deg]
dec_nom	7.6111306115721	Nominal Dec [deg]
roll_nom	220.02808531804	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6447.9999760389	Sum of GTIs [s]
livetime	6366.3515178229	Livetime [s]
ontime4	6444.7589856982	Sum of GTIs [s]
ontime5	6447.9999760389	Sum of GTIs [s]
ontime6	6447.9999760389	Sum of GTIs [s]
ontime7	6447.9999760389	Sum of GTIs [s]
ontime8	6447.9999760389	Sum of GTIs [s]
ontime9	6447.9658389688	Sum of GTIs [s]
l2events	78619	Number of level 2 events



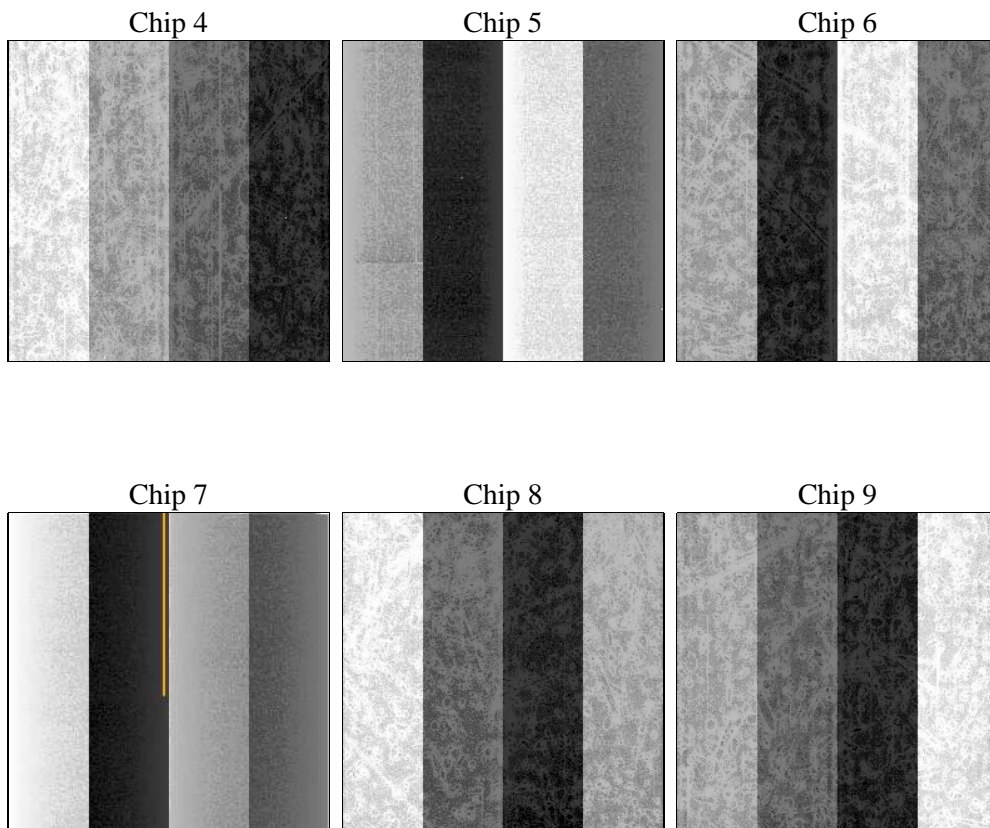
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6447.9999760389	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	6444.7589856982	Sum of GTIs [s]
date	2012-06-24T09:33:13	Date and time of file creation	ontime5	6447.9999760389	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6447.9999760389	Sum of GTIs [s]
			ontime7	6447.9999760389	Sum of GTIs [s]
			ontime8	6447.9999760389	Sum of GTIs [s]
			ontime9	6447.9658389688	Sum of GTIs [s]
			l1events	347545	Number of level 1 events

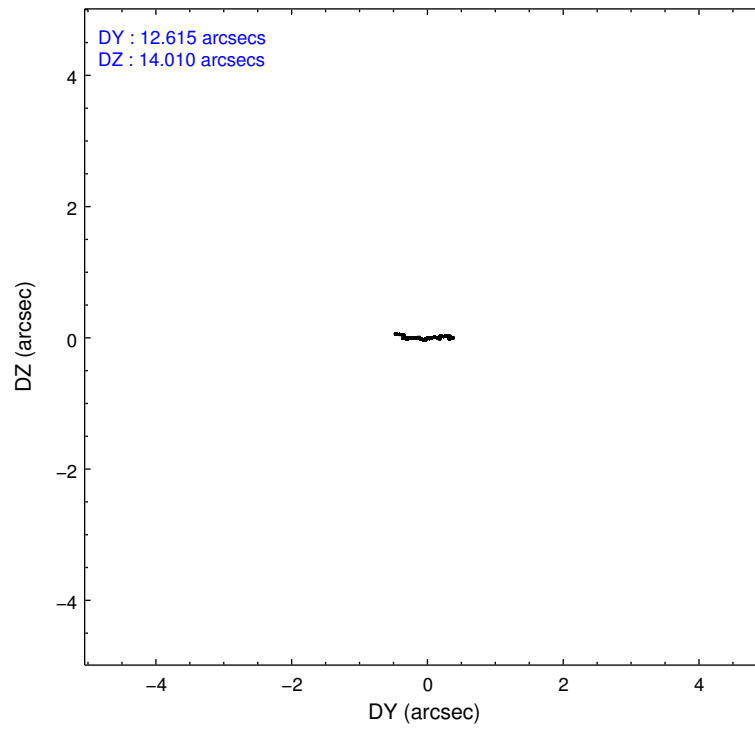
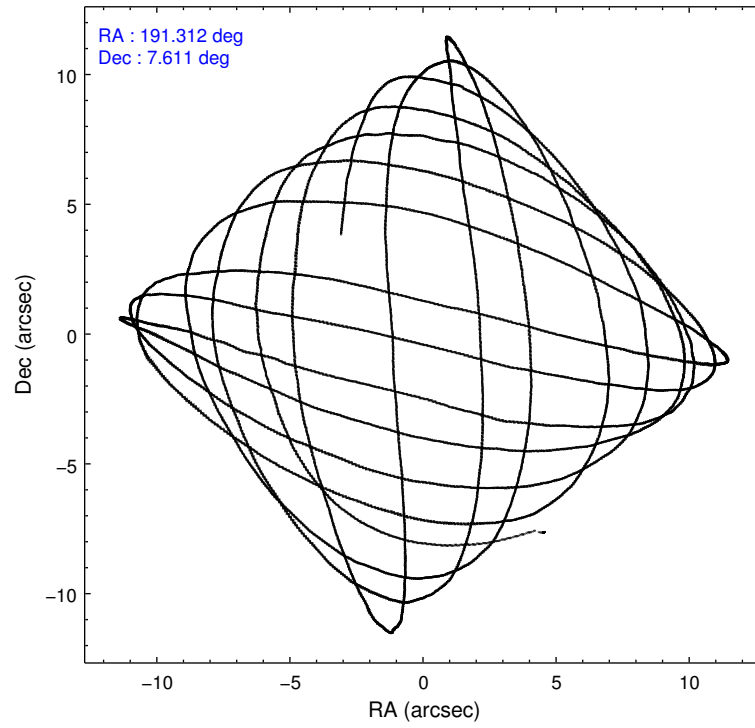
2.1.4 Events

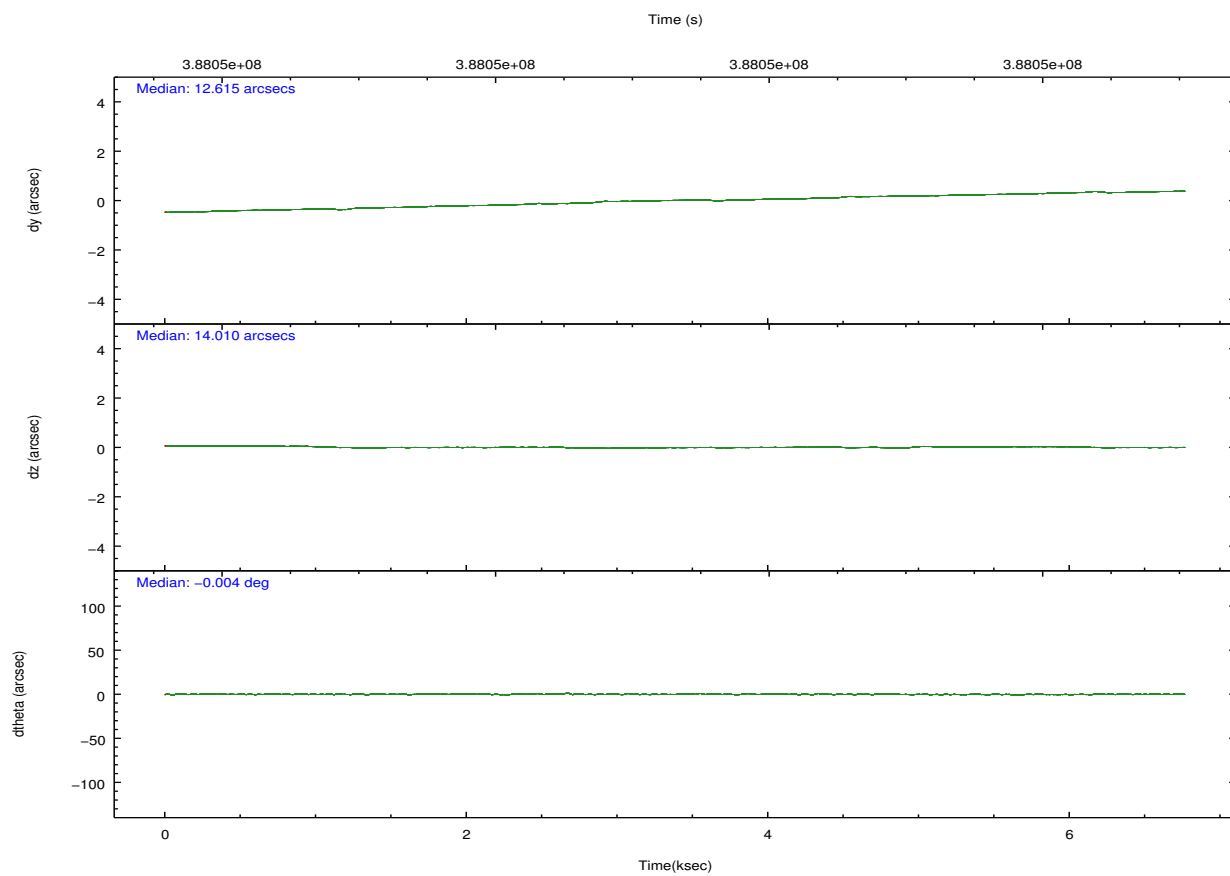
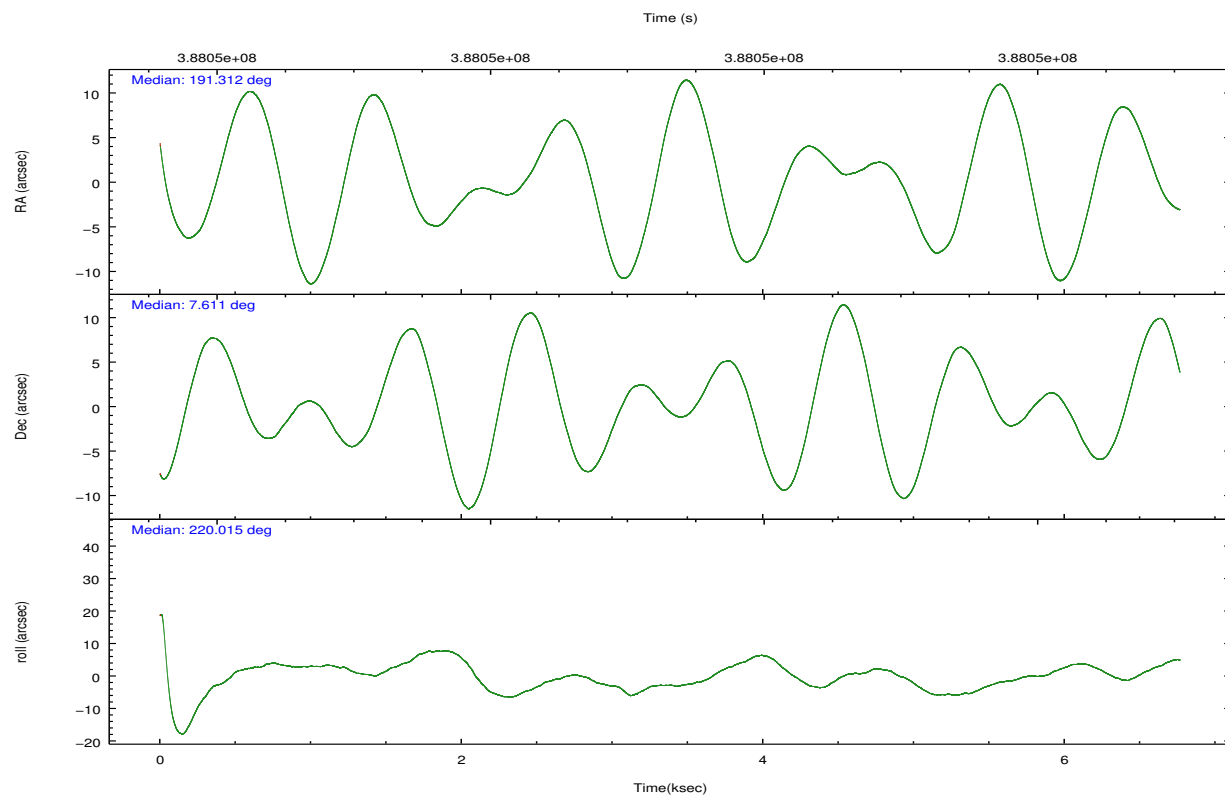
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	54933	75393	47021	58177	63022	48999	grade 0 events	3310	5318	1945	2496	4706	2194
rejected events	48122	37306	41622	31707	47123	43254		6%	7%	4%	4%	7%	4%
rejected %	87%	49%	88%	54%	74%	88%	grade 1 events	61	153	18	66	63	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	1433	11208	1186	5467	3767	1214
								2%	14%	2%	9%	5%	2%
							grade 3 events	613	1440	546	2356	1620	567
								1%	1%	1%	4%	2%	1%
							grade 4 events	563	1356	562	2381	1550	644
								1%	1%	1%	4%	2%	1%
							grade 5 events	2172	5614	2114	6067	3152	2401
								3%	7%	4%	10%	5%	4%
							grade 6 events	900	18791	1162	13782	4258	1129
								1%	24%	2%	23%	6%	2%
							grade 7 events	45881	31513	39488	25562	43906	40813
								83%	41%	83%	43%	69%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	191.321530	191.3124938834897	CCD I2 on	N	N
[deg] Pointing Dec	7.636904	7.611130611572108	CCD I3 on	N	N
[deg] Pointing Roll	219.870186	220.0280853180354	CCD S0 on	O1	Y
[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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	388048303.184000	388047212.0986	CCD S5 on	O2	Y
Observation start date	2010-04-19T07:10:37	2010-04-19T06:53:32	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	388054703.184000	388055847.21154	On-chip summing requested	N	N
Observation end date	2010-04-19T08:57:17	2010-04-19T09:17:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



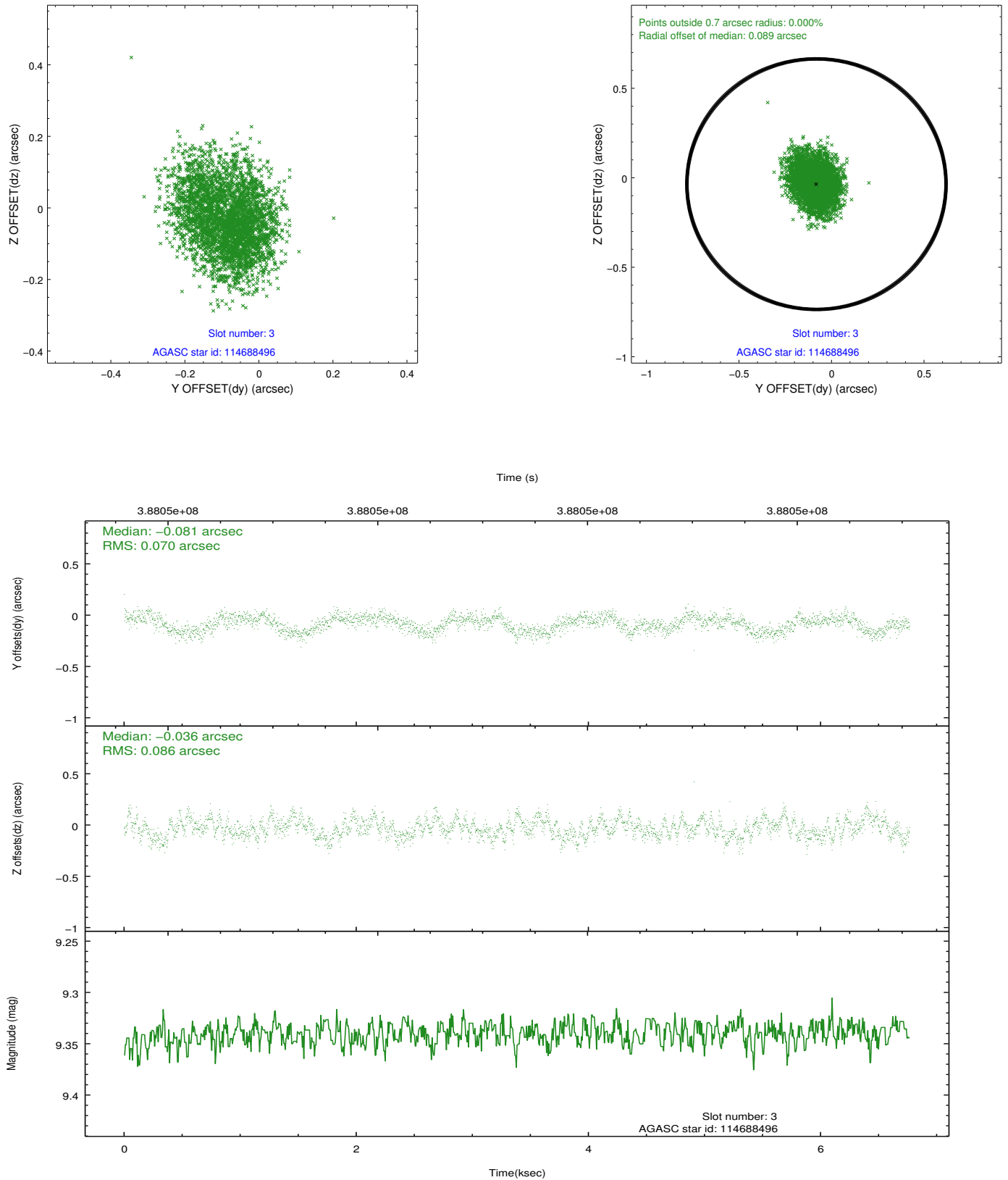


Slot Statistics

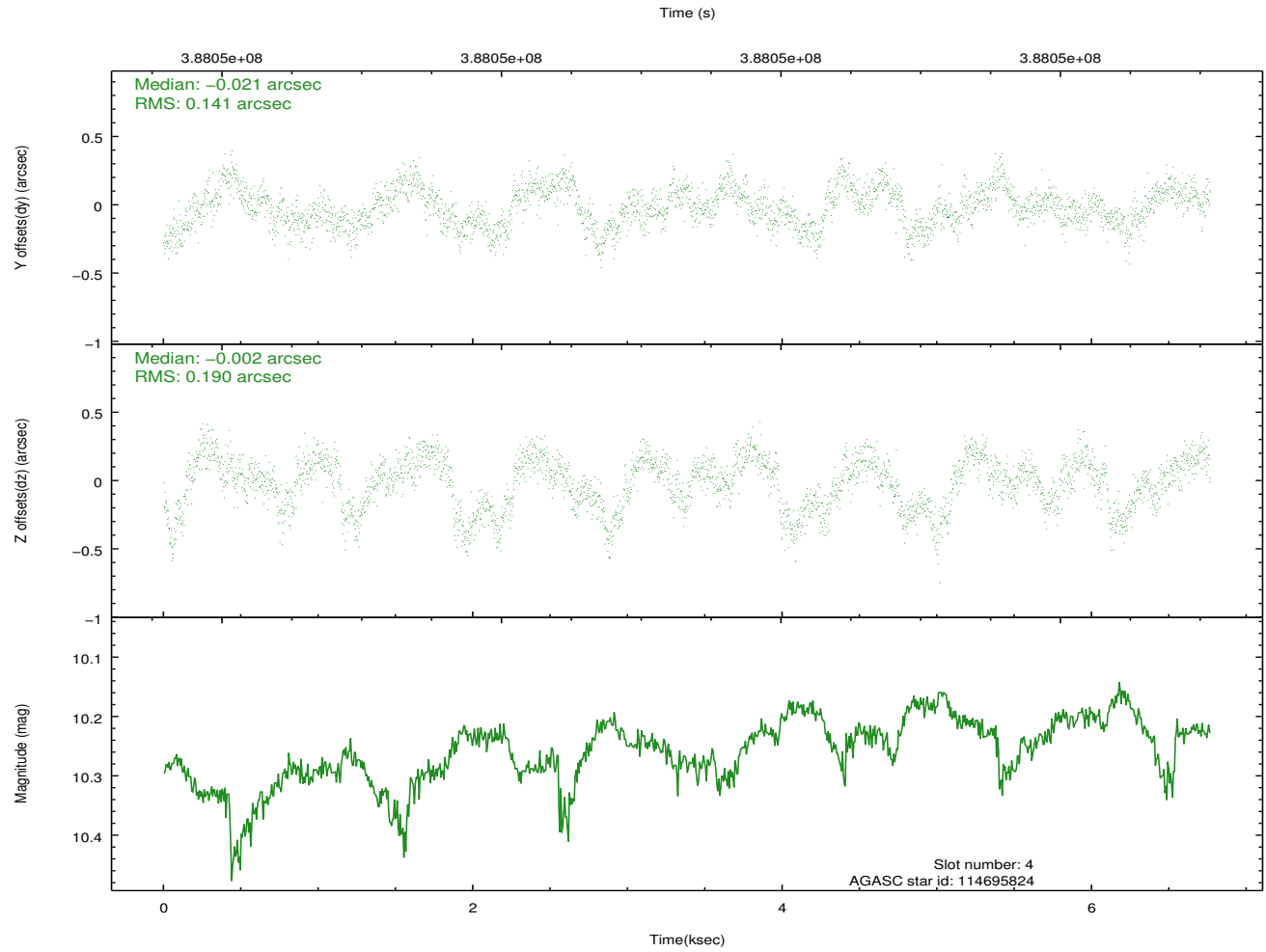
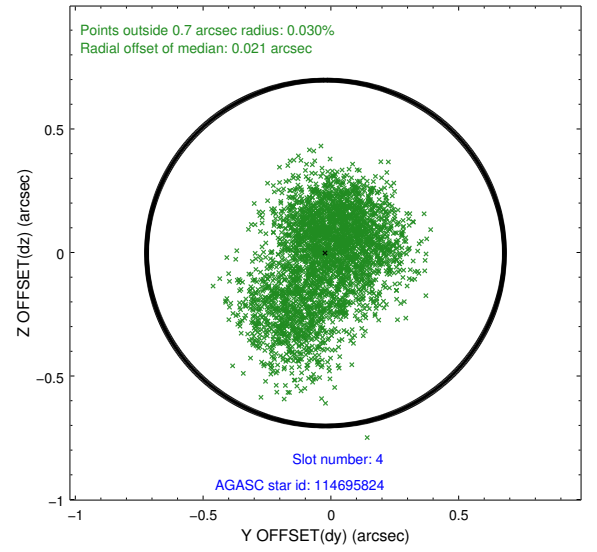
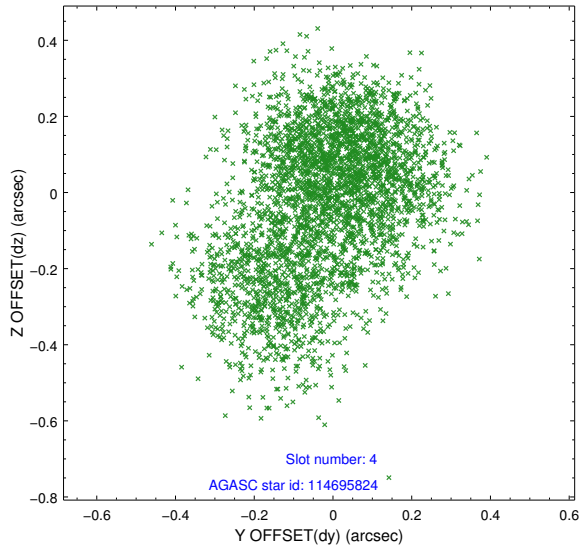
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1651	-0.031	-0.044	0.009	0.015	0.000000	0.000000	-765.52	-1735.37
1	FID	ACIS-S-4	6.98	1651	0.145	0.027	0.014	0.022	0.000000	0.000000	2147.54	172.31
2	FID	ACIS-S-5	7.02	1651	-0.145	0.027	0.013	0.021	0.000000	0.000000	-1817.38	166.94
3	GUIDE	114688496	9.34	3298	-0.081	-0.036	0.119	0.188	191.071583	8.216416	-653.29	-2171.78
4	GUIDE	114695824	10.25	3301	-0.021	-0.002	0.252	0.408	191.256618	7.951382	-547.22	-1017.64
5	GUIDE	114695952	8.36	3301	0.190	-0.065	0.097	0.146	191.104557	7.997243	-237.32	-1491.35
6	GUIDE	115613256	9.52	3298	-0.165	0.217	0.180	0.277	192.224470	7.549304	-2273.39	2304.67
7	GUIDE	115613880	10.28	3282	0.082	-0.100	0.222	0.344	191.907348	7.570910	-1453.58	1521.91

2.4 Star Slots

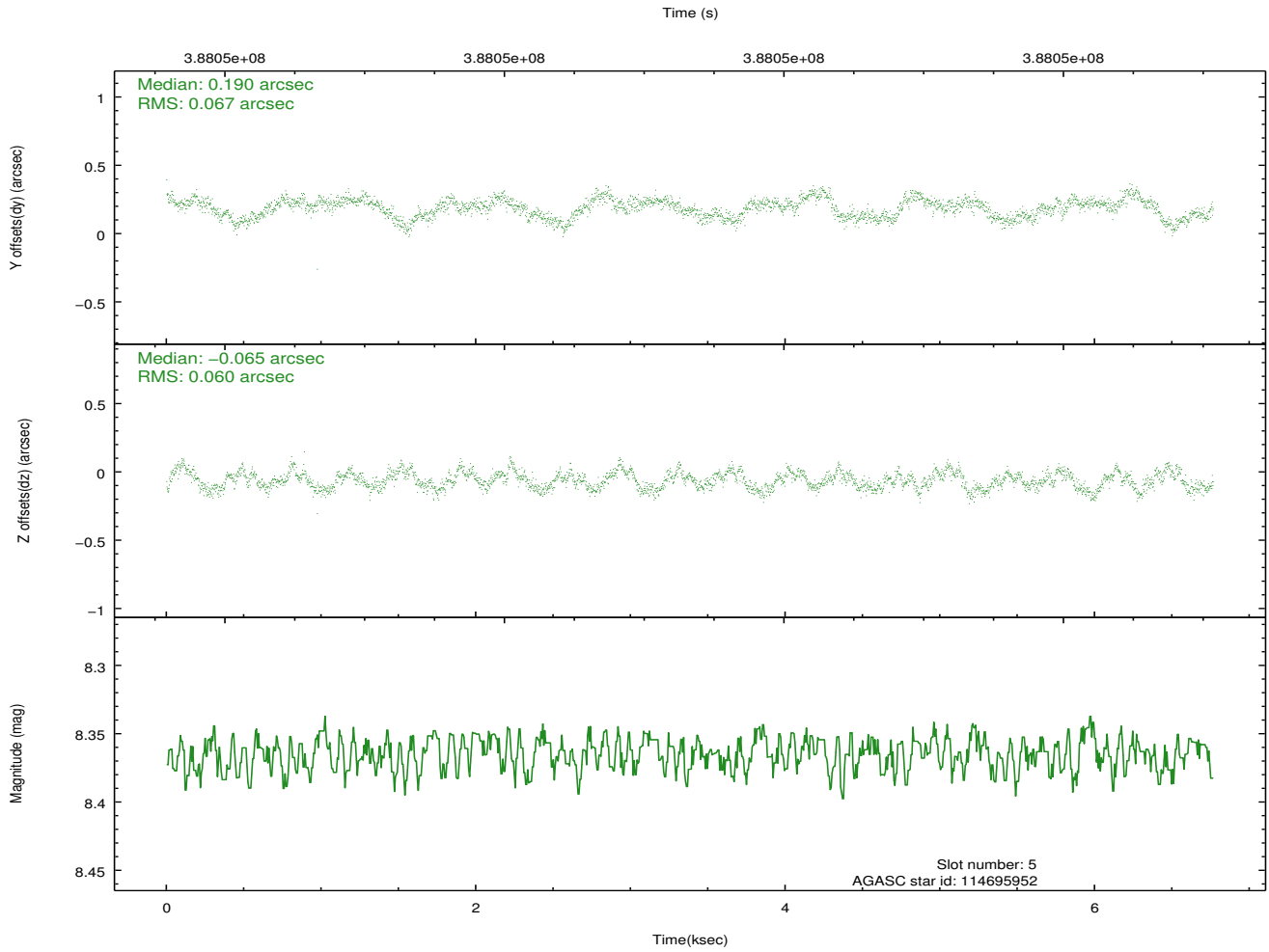
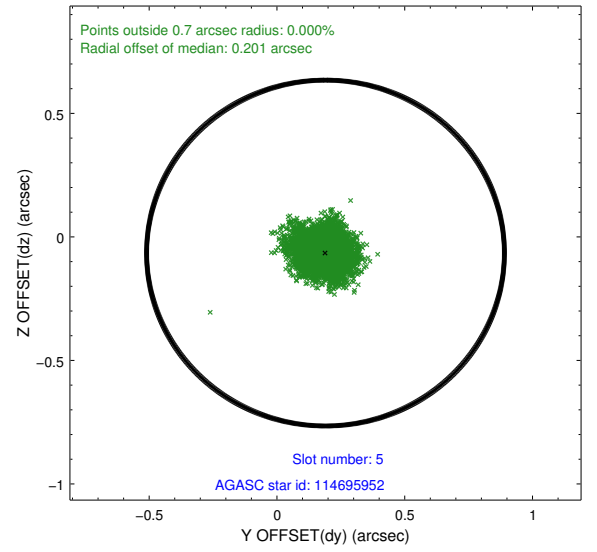
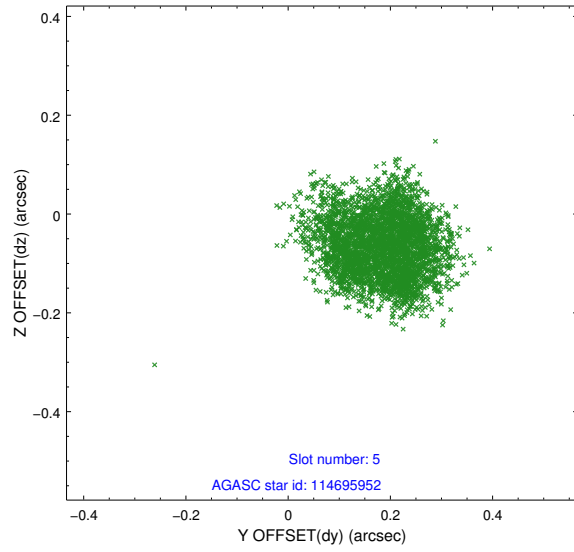
2.4.1 Slot 3



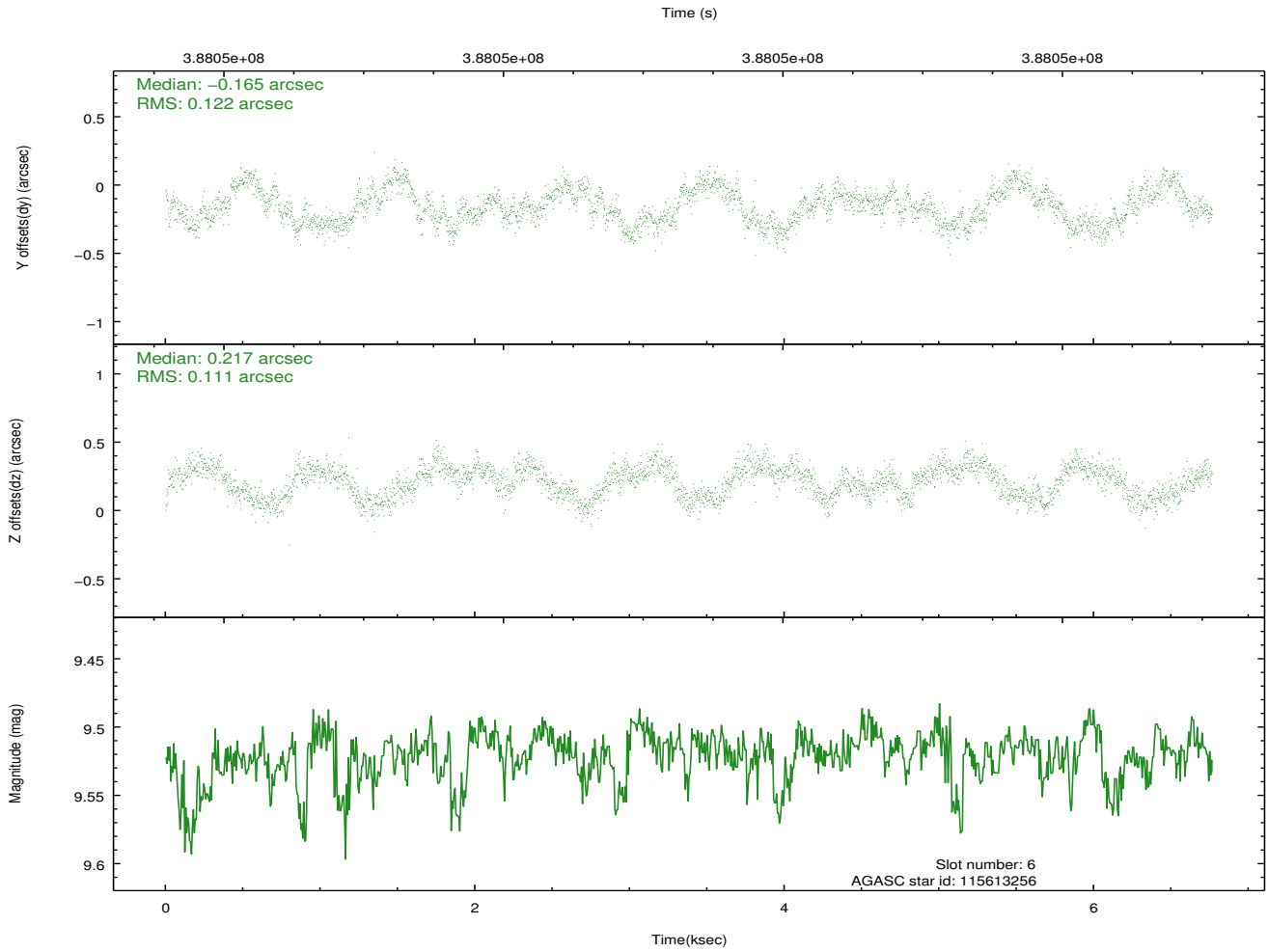
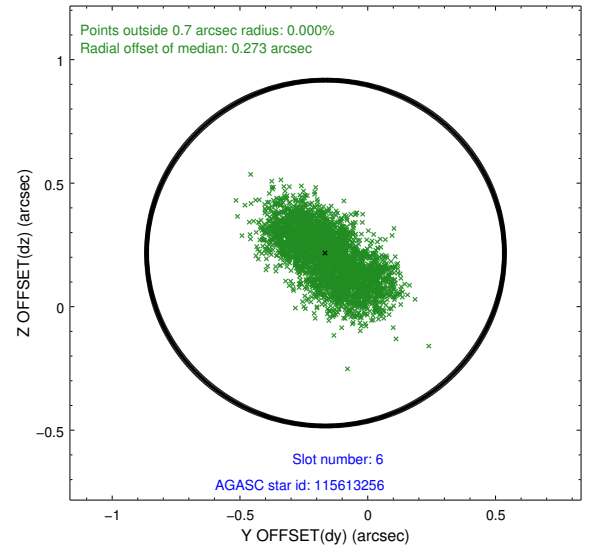
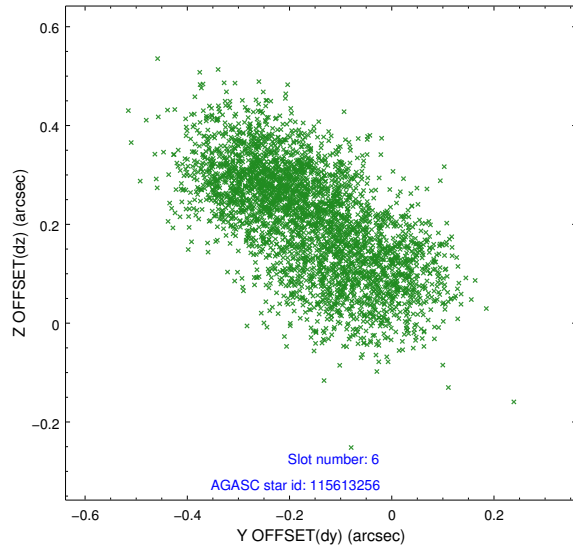
2.4.2 Slot 4



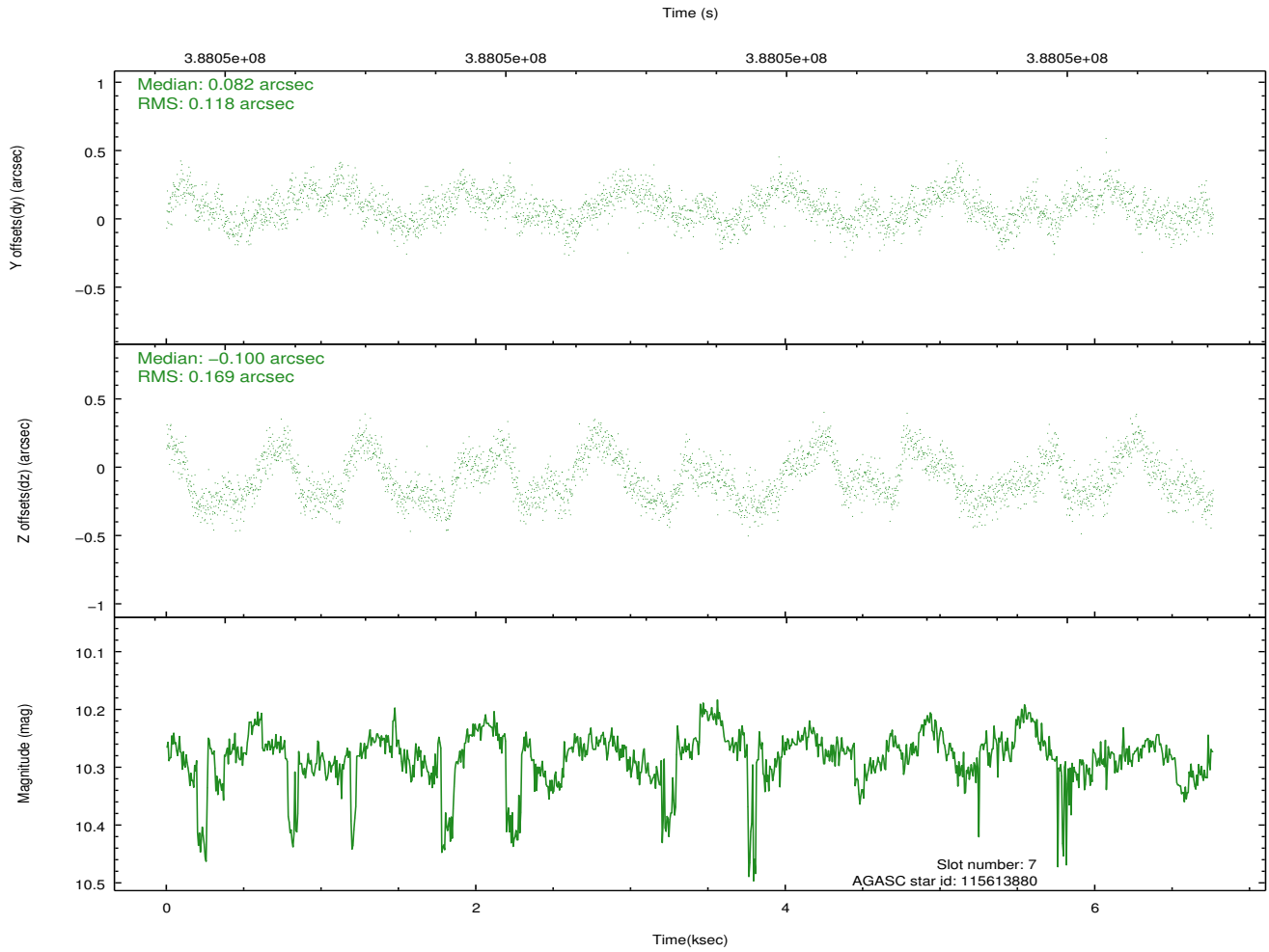
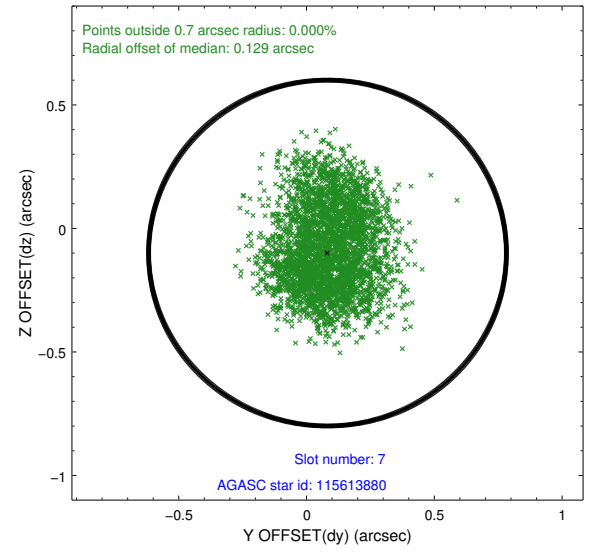
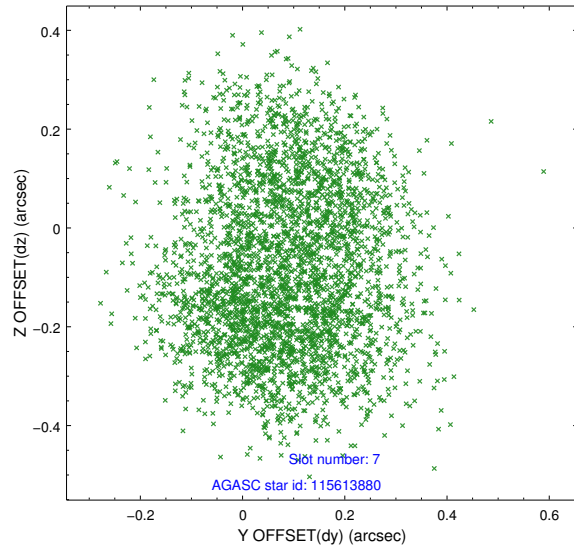
2.4.3 Slot 5



2.4.4 Slot 6

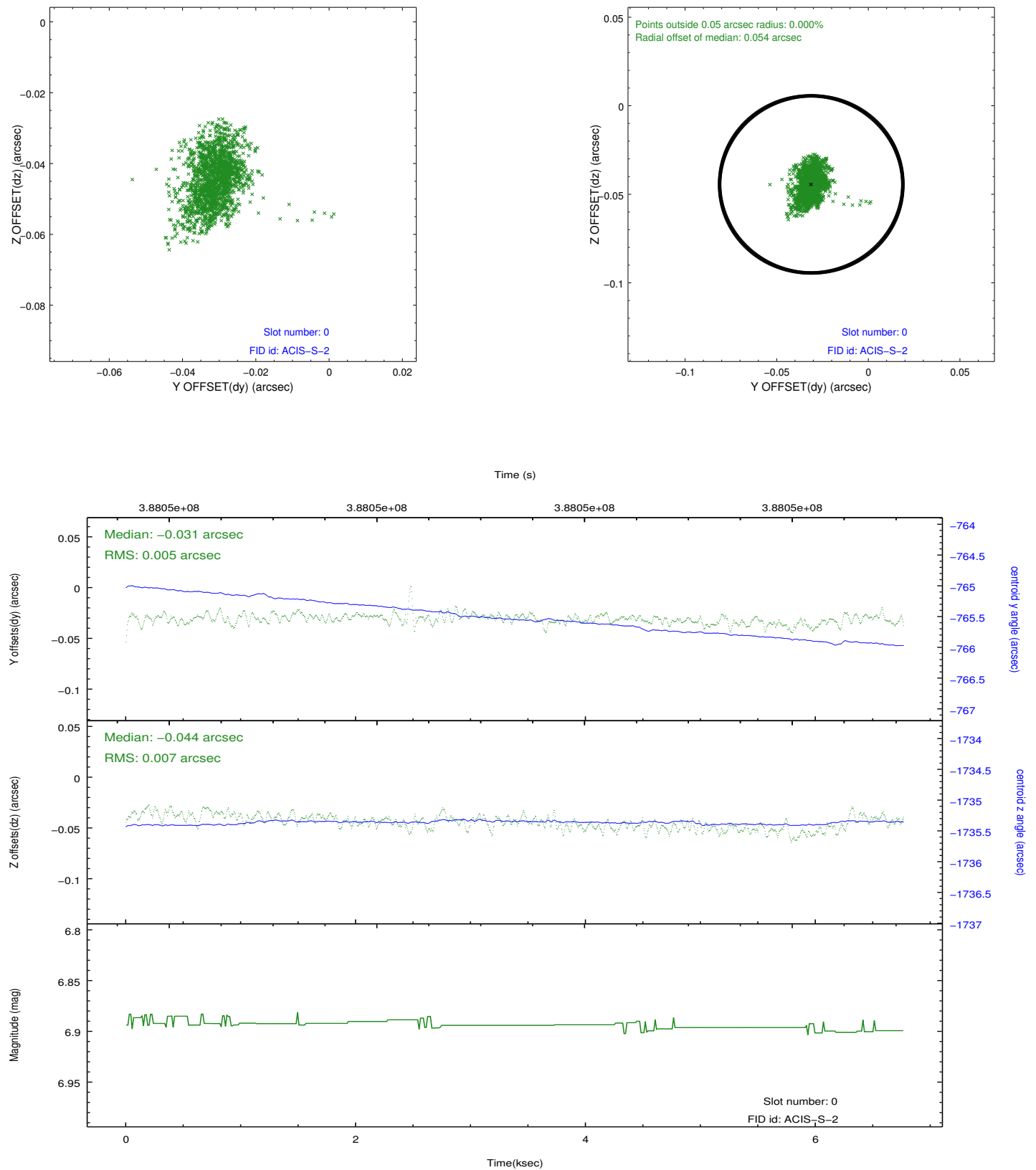


2.4.5 Slot 7

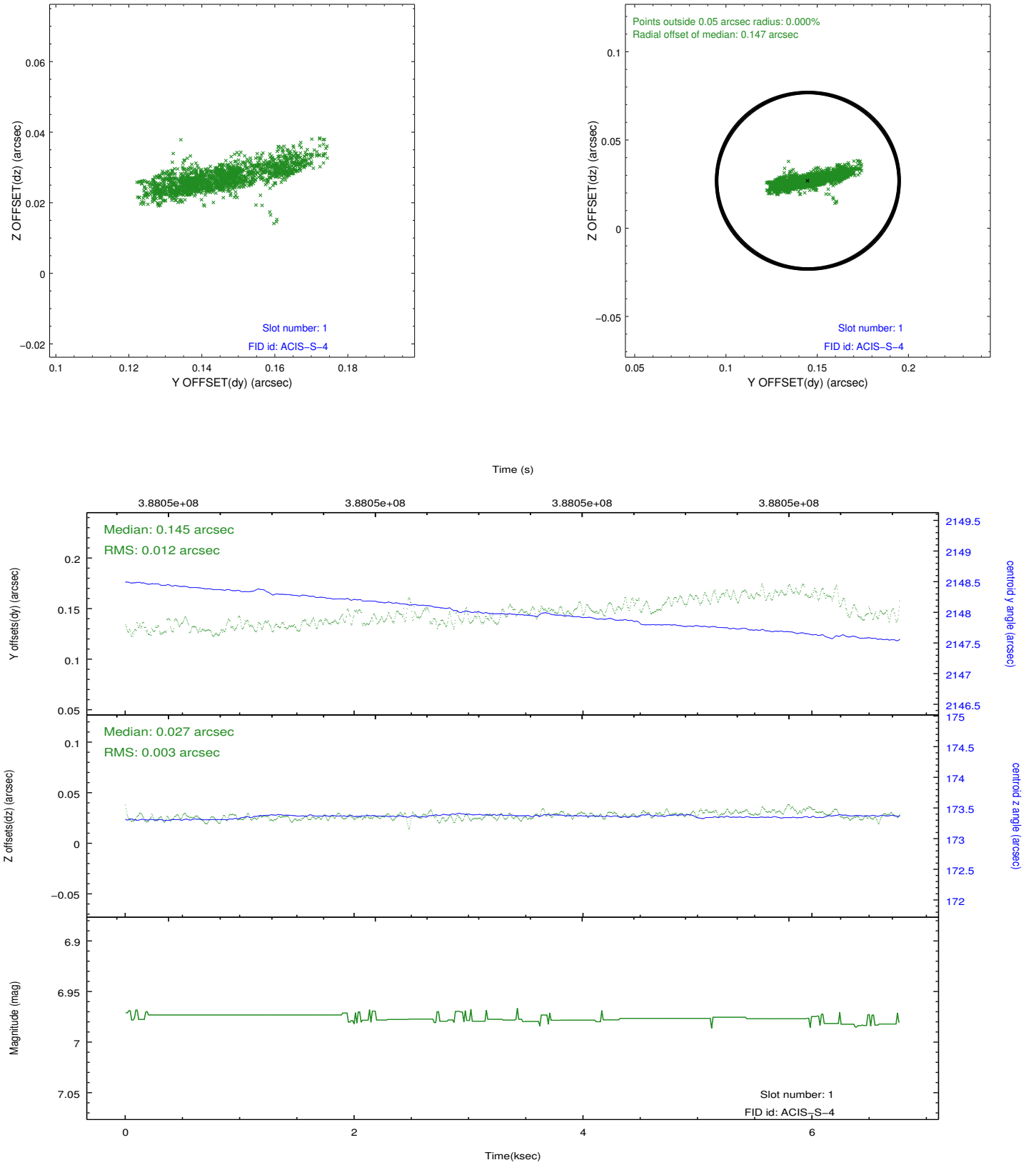


2.5 FID Slots

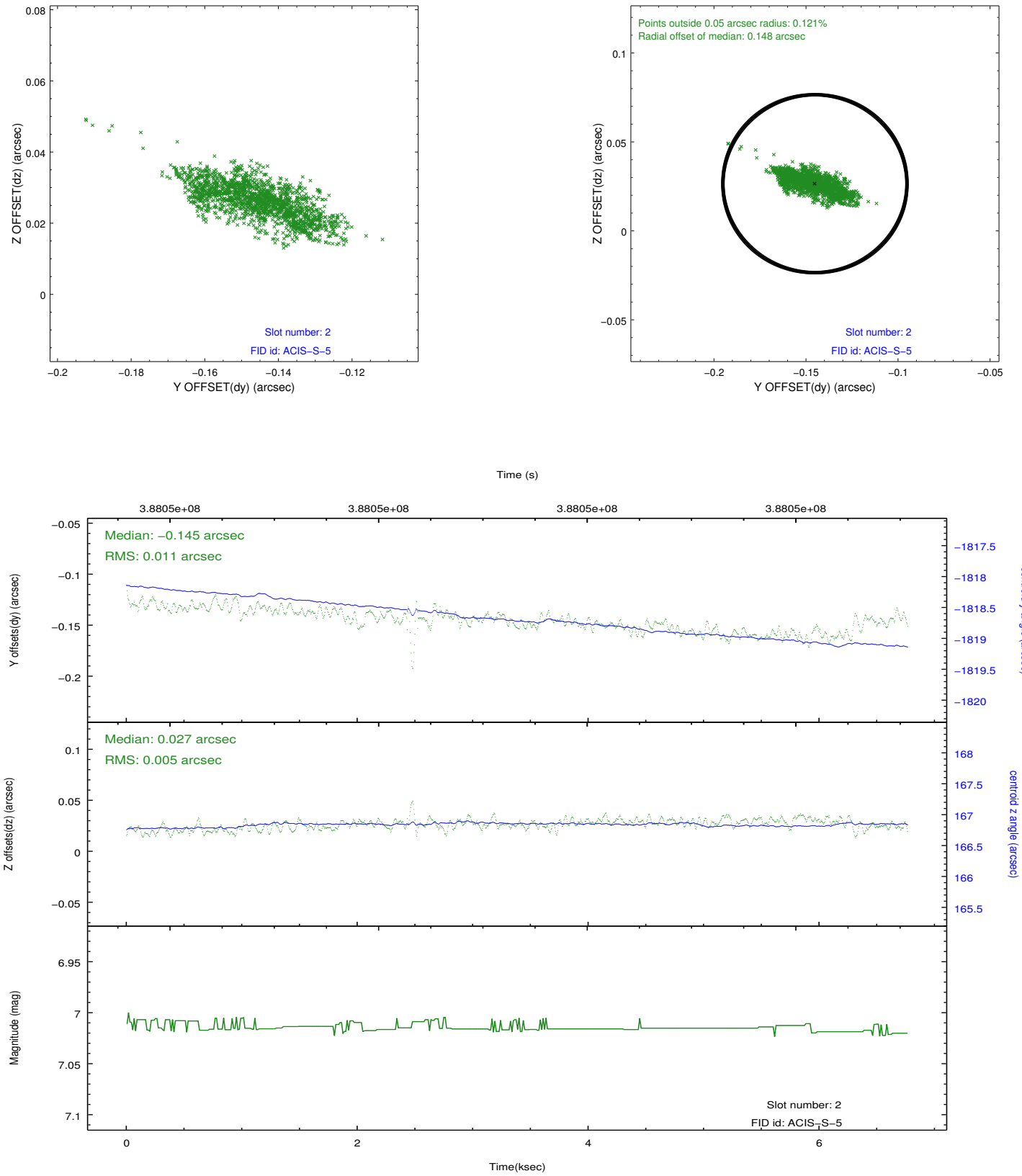
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4479999760389

A.2 Comments