

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4073 - L2 Version 3
Chandra X-Ray Center

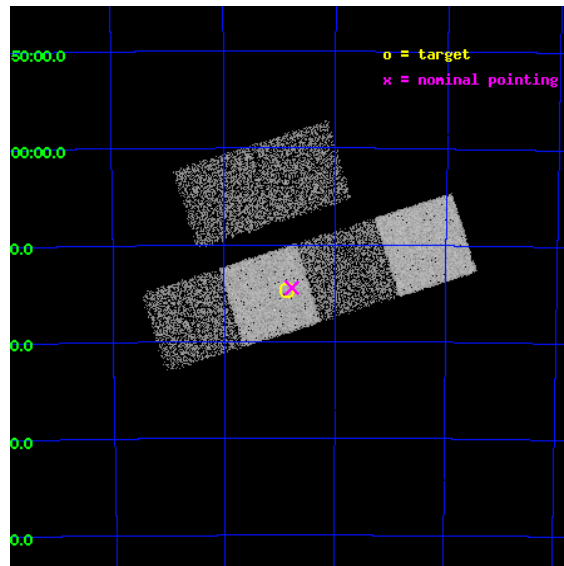
L2 Processing Date : Oct 24 2012

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1 Front

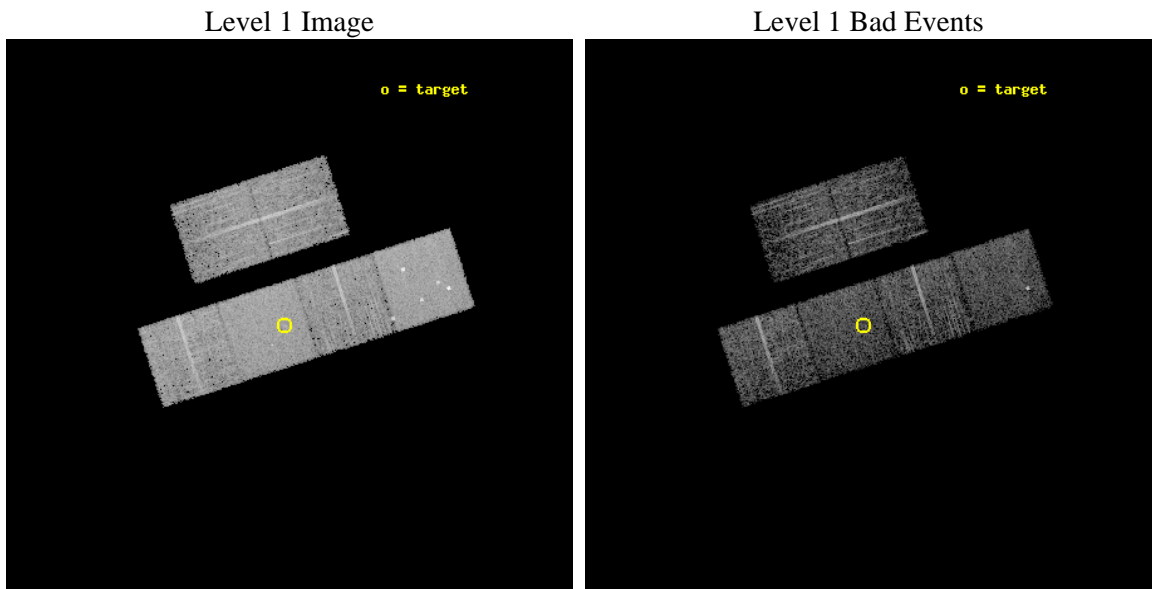
seq_num	700752	Sequence number
obs_id	4073	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal titl
observer	Dr Cristian Vignali	Principal investigator
object	BR 2213-6729	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	334.21625	Observer's specified target RA [deg]
dec_targ	-67.245389	Observer's specified target Dec [deg]
ra_nom	334.19424555879	Nominal RA [deg]
dec_nom	-67.240978470888	Nominal Dec [deg]
roll_nom	162.2929501382	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.7232868671	Sum of GTIs [s]
livetime	4896.920284222	Livetime [s]
ontime2	4959.7643268704	Sum of GTIs [s]
ontime3	4959.6001668572	Sum of GTIs [s]
ontime5	4959.6822468638	Sum of GTIs [s]
ontime6	4959.6412068605	Sum of GTIs [s]
ontime7	4959.7232868671	Sum of GTIs [s]
ontime8	4959.5591268837	Sum of GTIs [s]
l2events	49431	Number of level 2 events



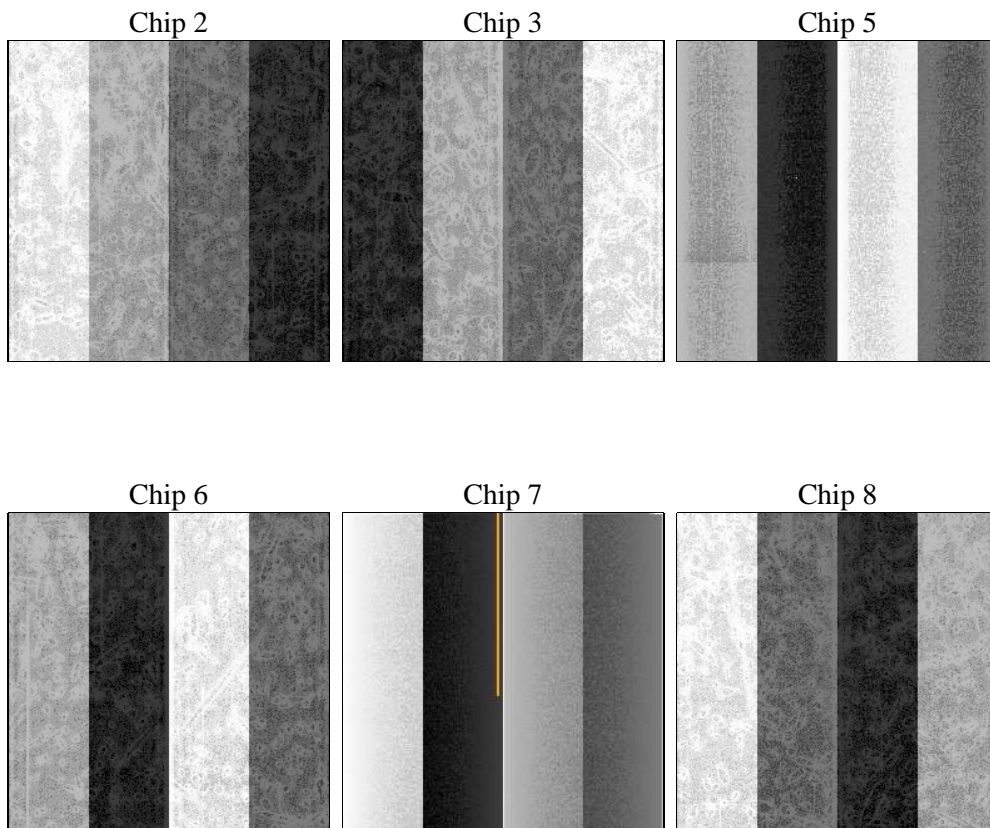
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4959.7232868671	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4959.7643268704	Sum of GTIs [s]
date	2012-10-24T12:51:06	Date and time of file creation	ontime3	4959.6001668572	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.6822468638	Sum of GTIs [s]
			ontime6	4959.6412068605	Sum of GTIs [s]
			ontime7	4959.7232868671	Sum of GTIs [s]
			ontime8	4959.5591268837	Sum of GTIs [s]
			l1events	222401	Number of level 1 events

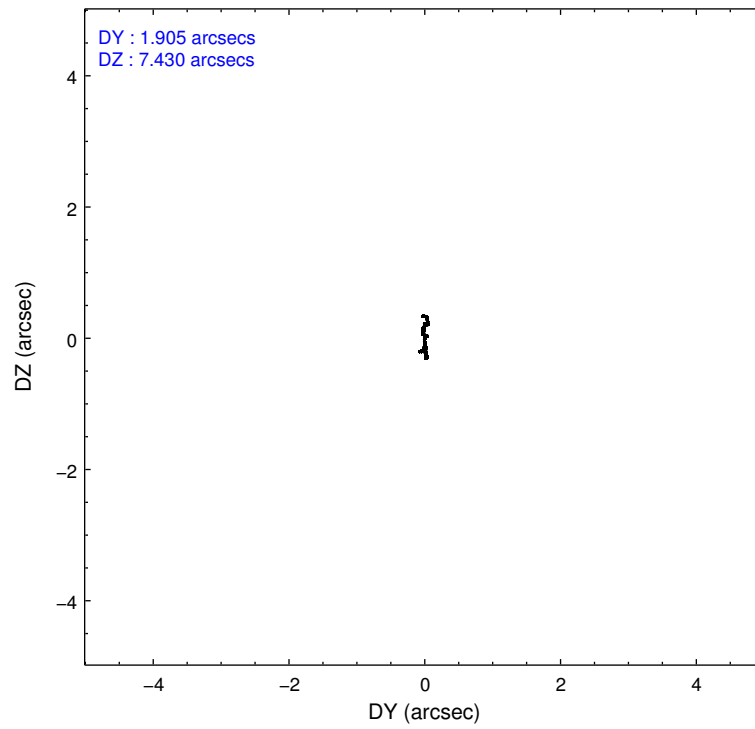
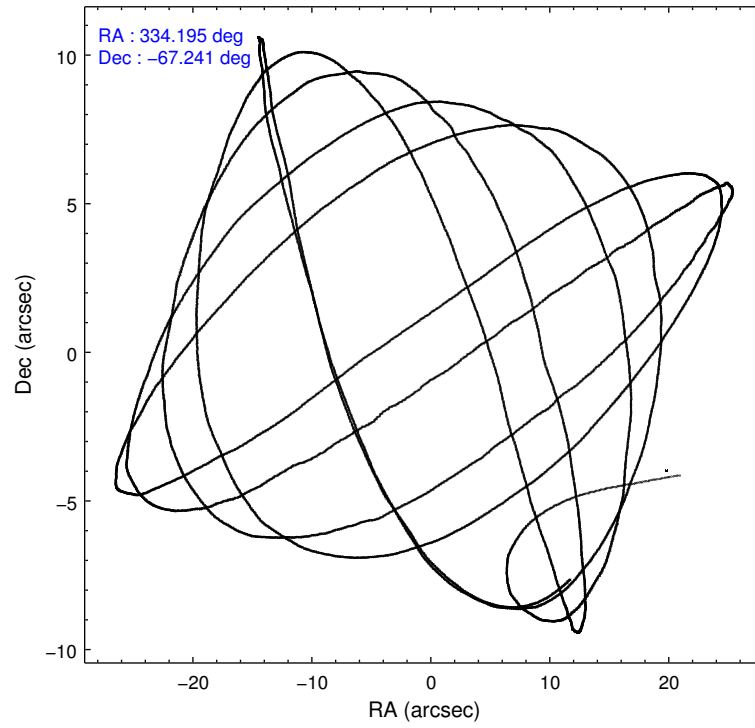
2.1.4 Events

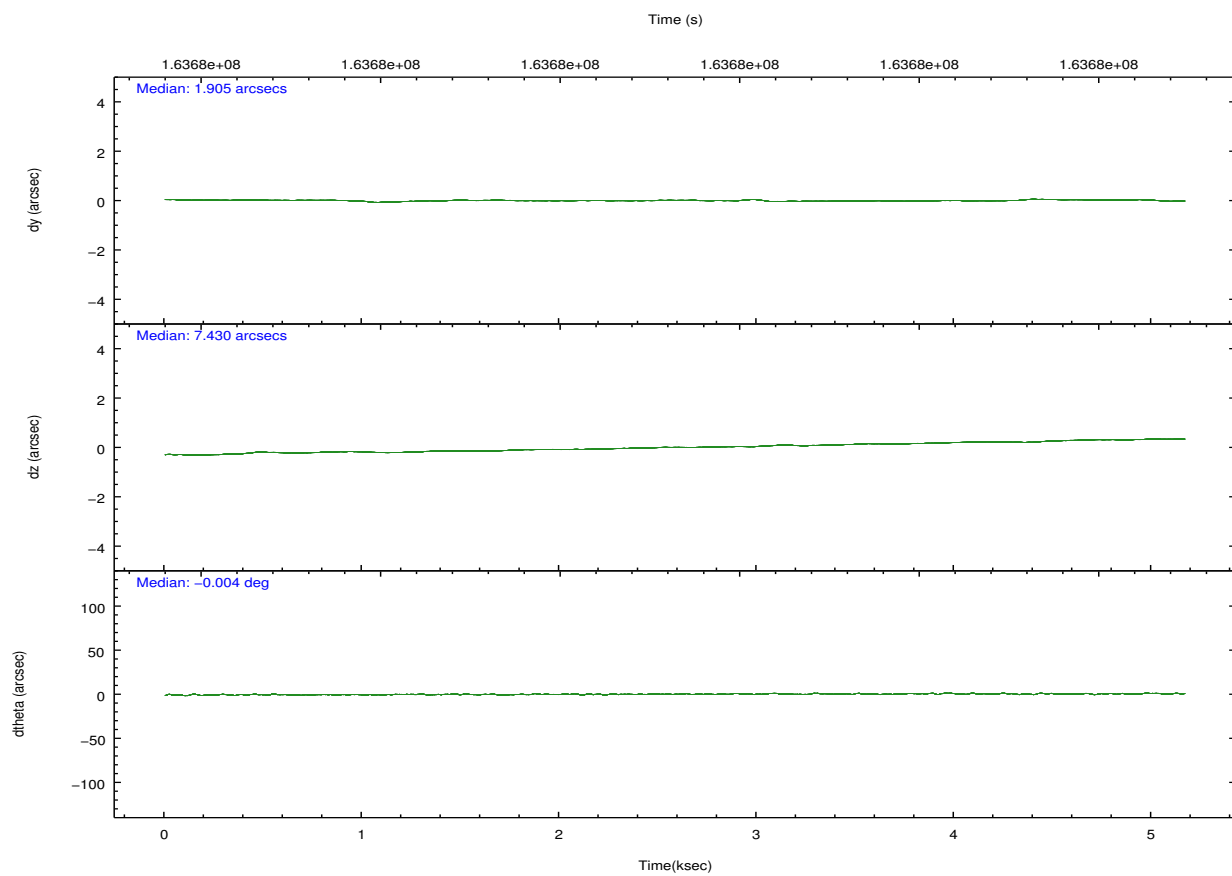
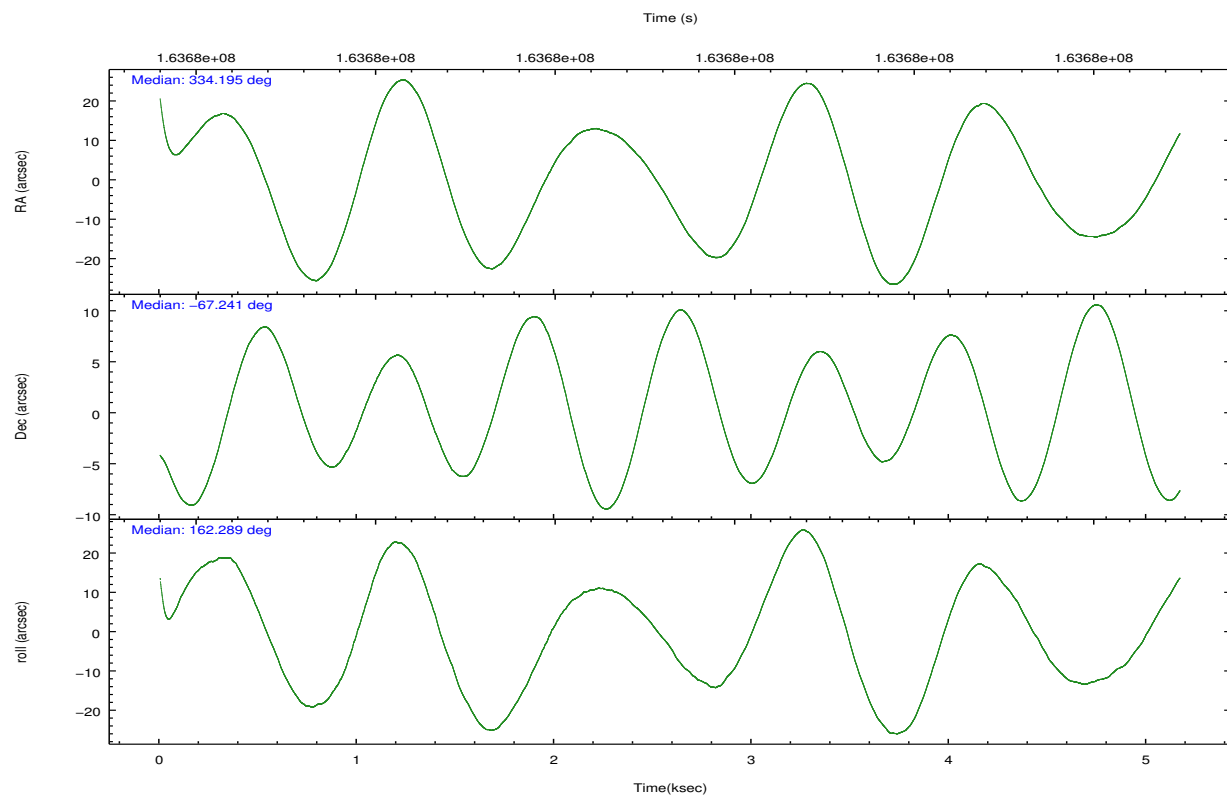
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31716	30716	47785	31873	41585	38726	grade 0 events	1718	1662	3846	1617	1760	2500
rejected events	27872	27187	25087	28062	24147	31060		5%	5%	8%	5%	4%	6%
rejected %	87%	88%	52%	88%	58%	80%	grade 1 events	22	23	87	19	44	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	778	648	6486	727	3362	1705
								2%	2%	13%	2%	8%	4%
							grade 3 events	410	333	797	380	1613	794
								1%	1%	1%	1%	3%	2%
							grade 4 events	351	338	855	350	1580	778
								1%	1%	1%	1%	3%	2%
							grade 5 events	1259	1332	3309	1353	3947	1763
								3%	4%	6%	4%	9%	4%
							grade 6 events	602	554	10746	744	9135	1897
								1%	1%	22%	2%	21%	4%
							grade 7 events	26576	25826	21659	26683	20144	29261
								83%	84%	45%	83%	48%	75%

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	334.262692	334.1942455587865	Subarray requested	NONE	NONE
[deg] Pointing Dec	-67.234699	-67.24097847088838	Alternating exposures requested	N	N
[deg] Pointing Roll	162.199475	162.2929501381992	[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)	163677230.184000	163676264.9277			
Observation start date	2003-03-10T09:52:46	2003-03-10T09:37:44			
[s] Observation end time (MET)	163682230.184000	163683095.52799			
Observation end date	2003-03-10T11:16:06	2003-03-10T11:31:35			
Read mode	TIMED	TIMED			

2.3 Aspect



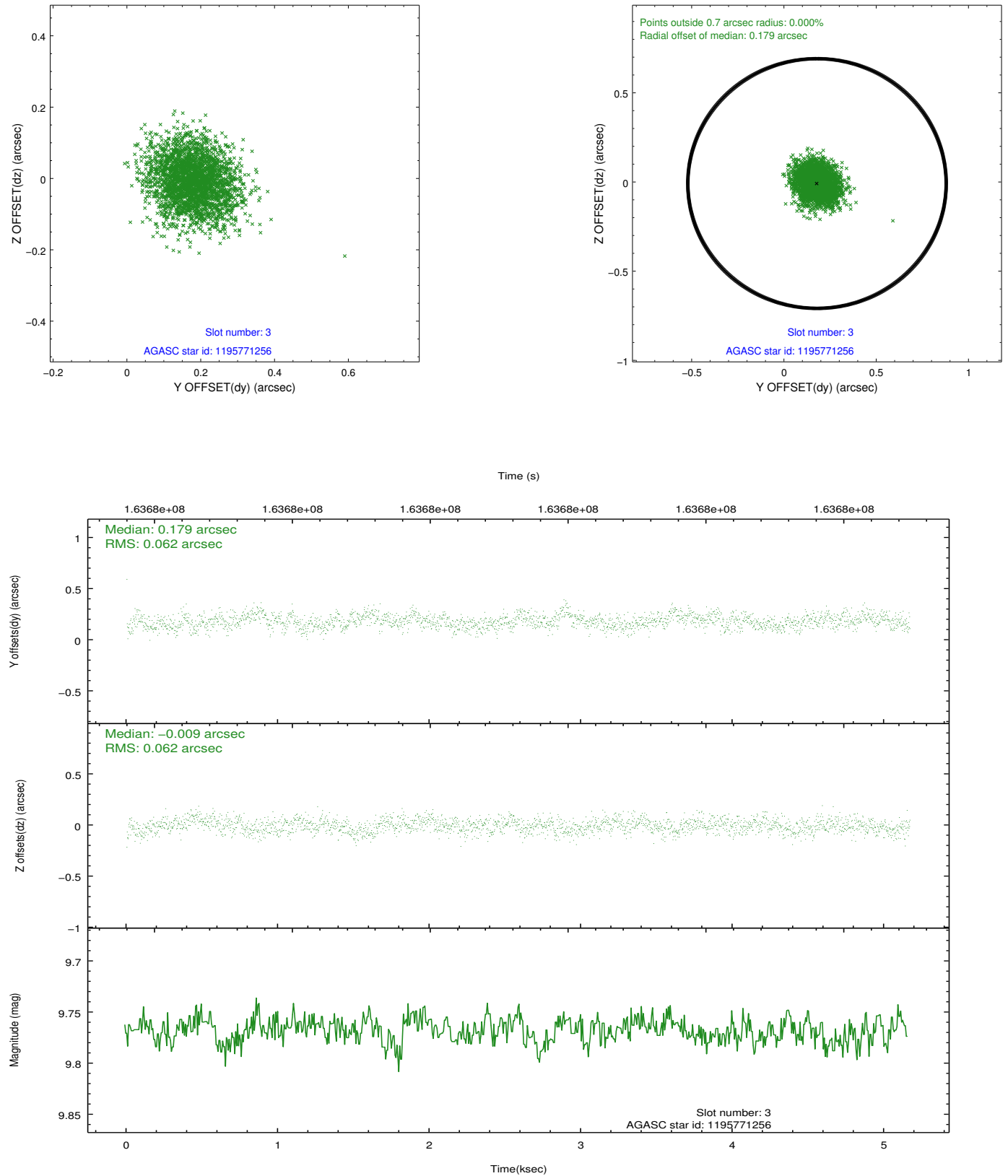


Slot Statistics

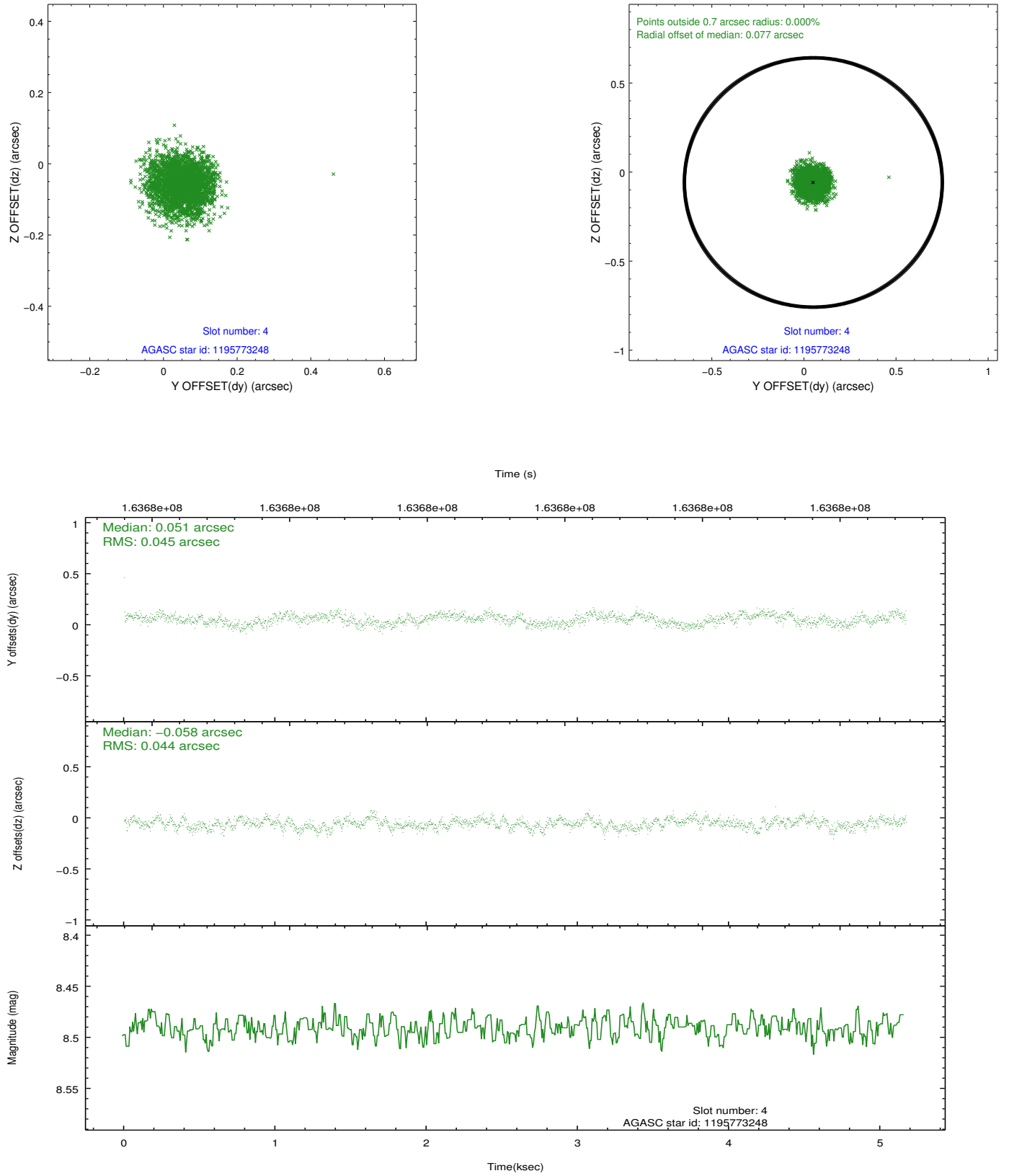
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1261	-0.044	-0.022	0.007	0.012	0.000000	0.000000	-754.56	-1728.64
1	FID	ACIS-S-4	7.20	1261	0.011	0.027	0.006	0.010	0.000000	0.000000	2158.24	178.69
2	FID	ACIS-S-5	7.24	1261	0.002	0.003	0.007	0.012	0.000000	0.000000	-1805.85	173.67
3	GUIDE	1195771256	9.77	2520	0.179	-0.009	0.094	0.150	335.697094	-67.039322	-1709.29	-1263.84
4	GUIDE	1195773248	8.49	2522	0.051	-0.058	0.068	0.105	334.476070	-67.192157	-236.76	-237.23
5	GUIDE	1195781040	9.52	2519	-0.033	0.071	0.104	0.168	333.549389	-66.448874	1840.79	-2374.57
6	GUIDE	1195783176	7.27	2522	-0.067	0.004	0.050	0.085	333.406348	-66.782155	1654.13	-1172.82
7	GUIDE	1195783088	8.94	2520	-0.129	-0.006	0.071	0.115	333.405234	-66.593006	1872.61	-1817.25

2.4 Star Slots

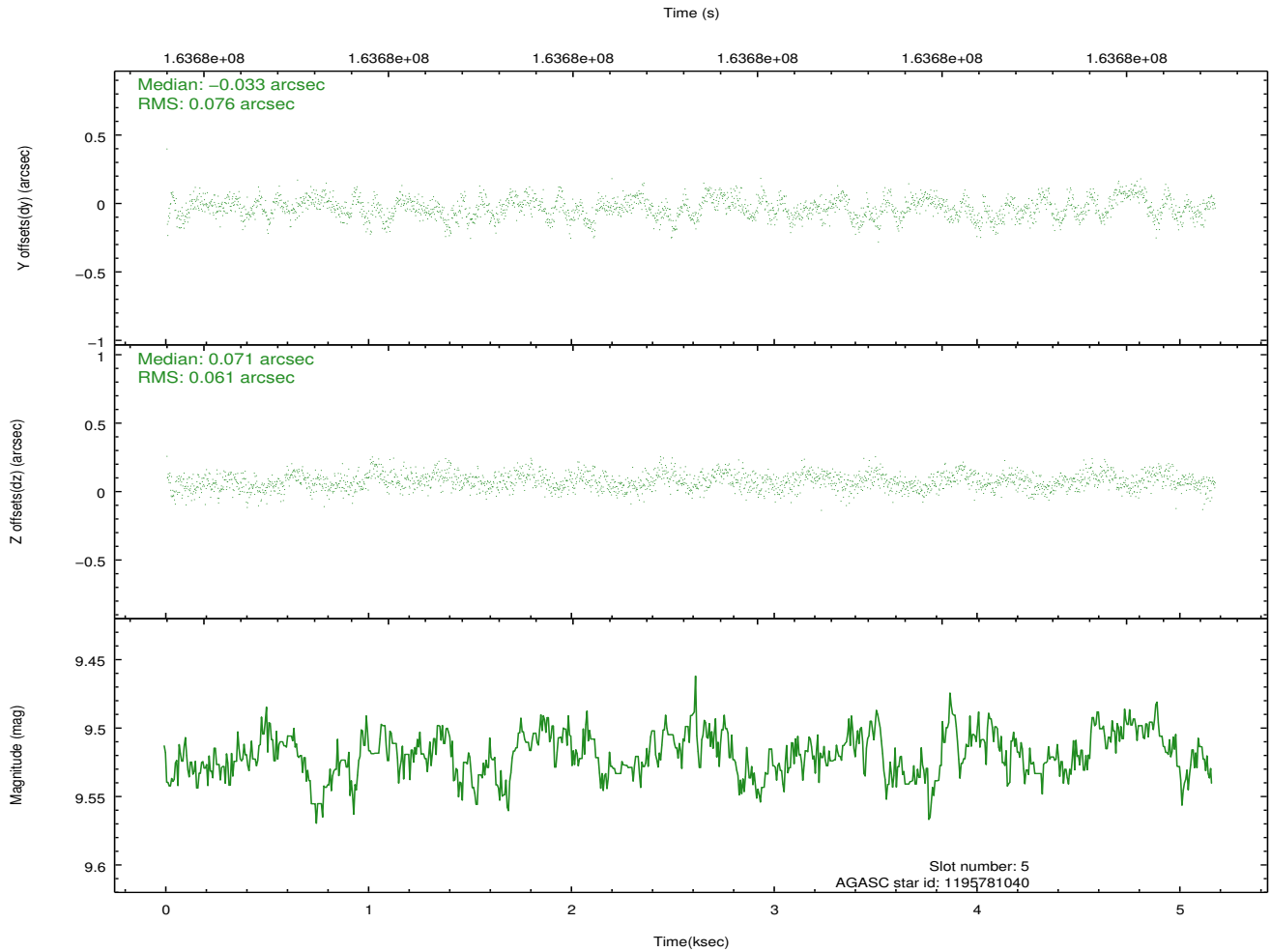
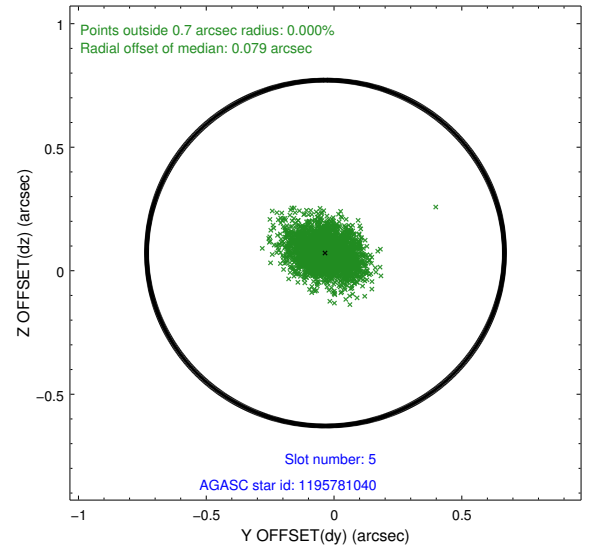
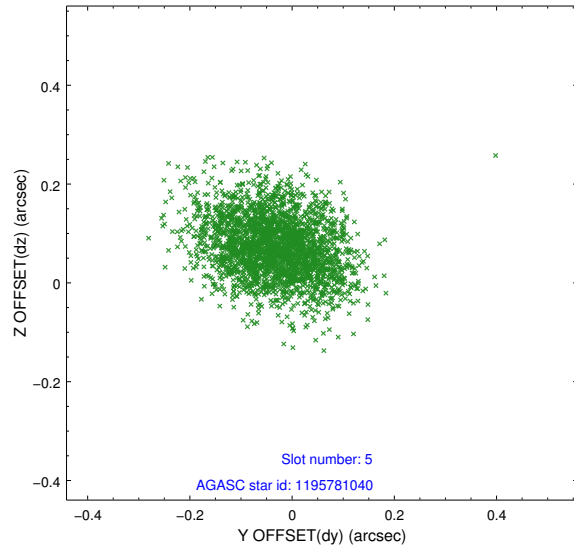
2.4.1 Slot 3



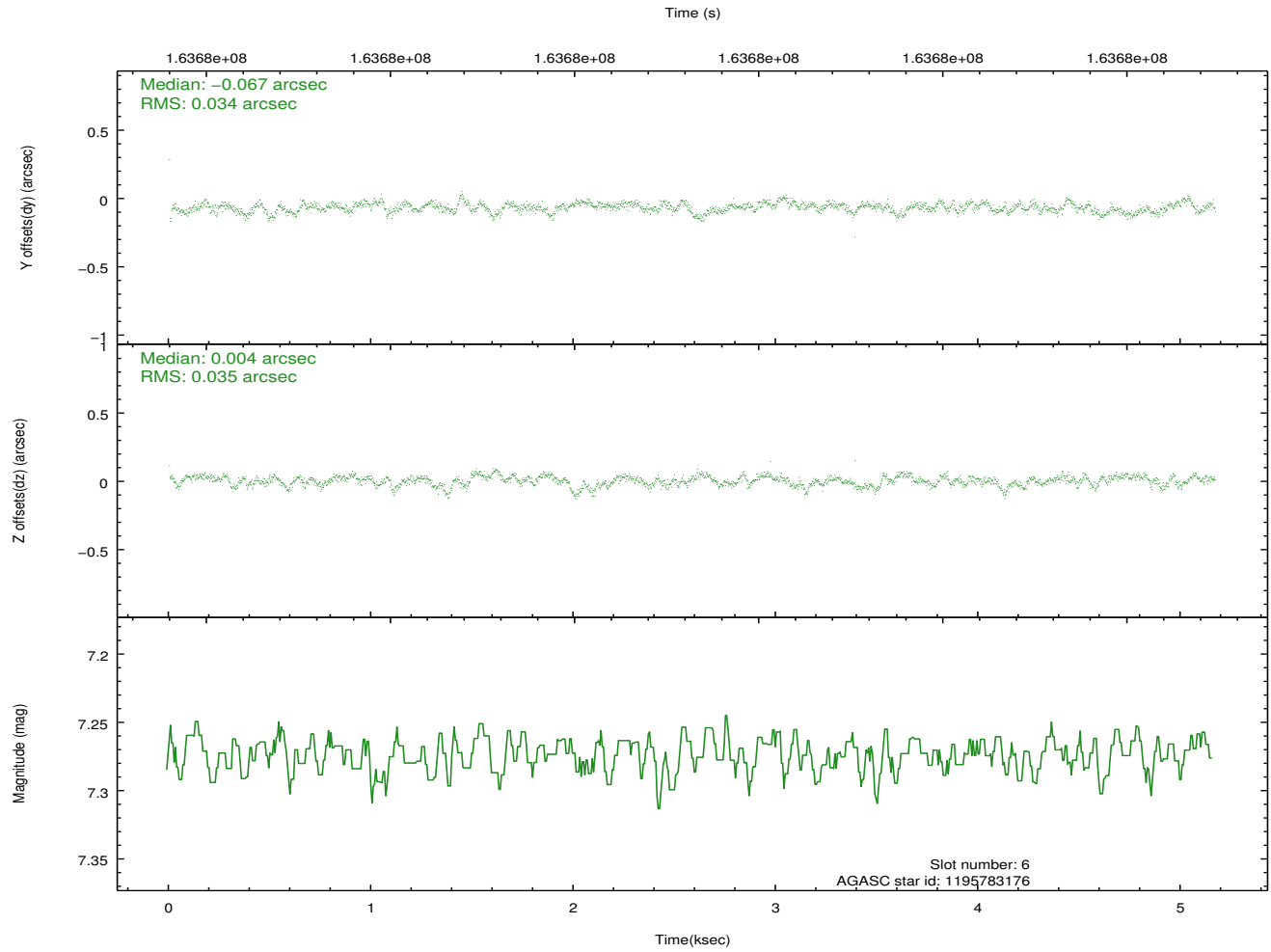
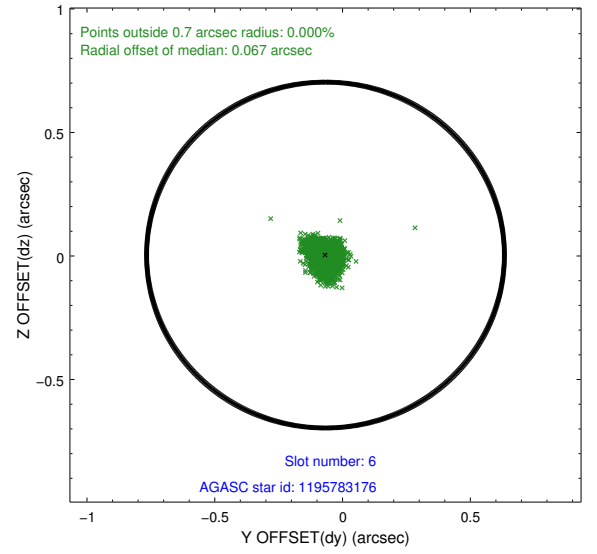
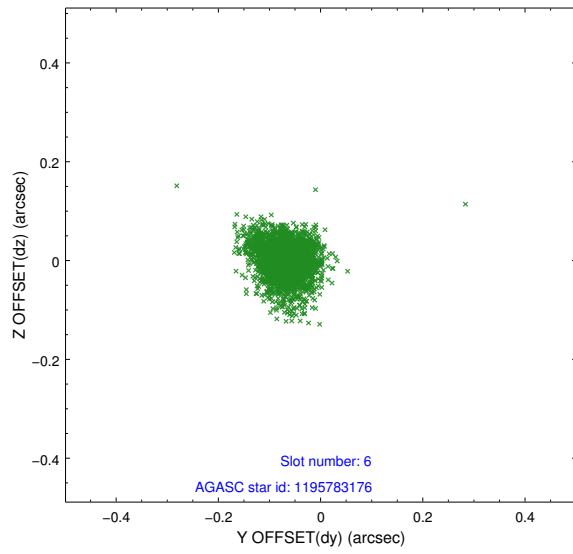
2.4.2 Slot 4



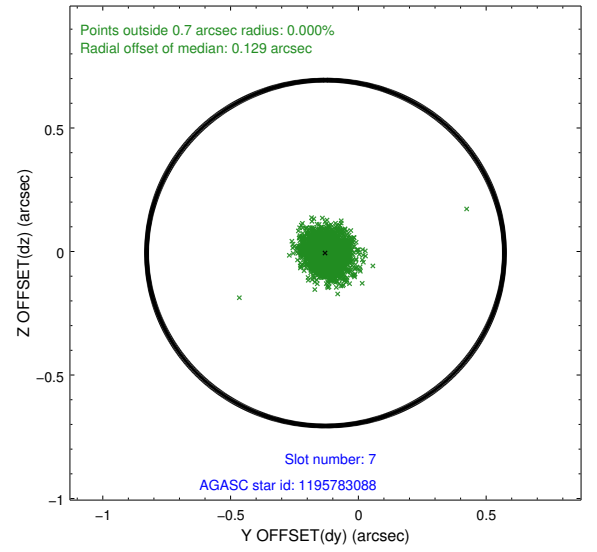
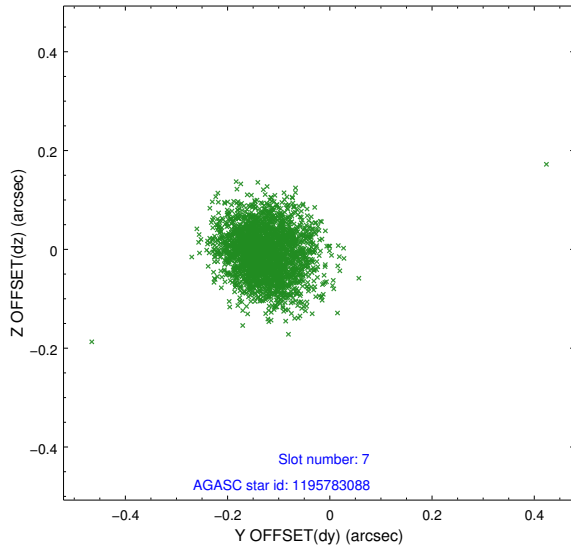
2.4.3 Slot 5



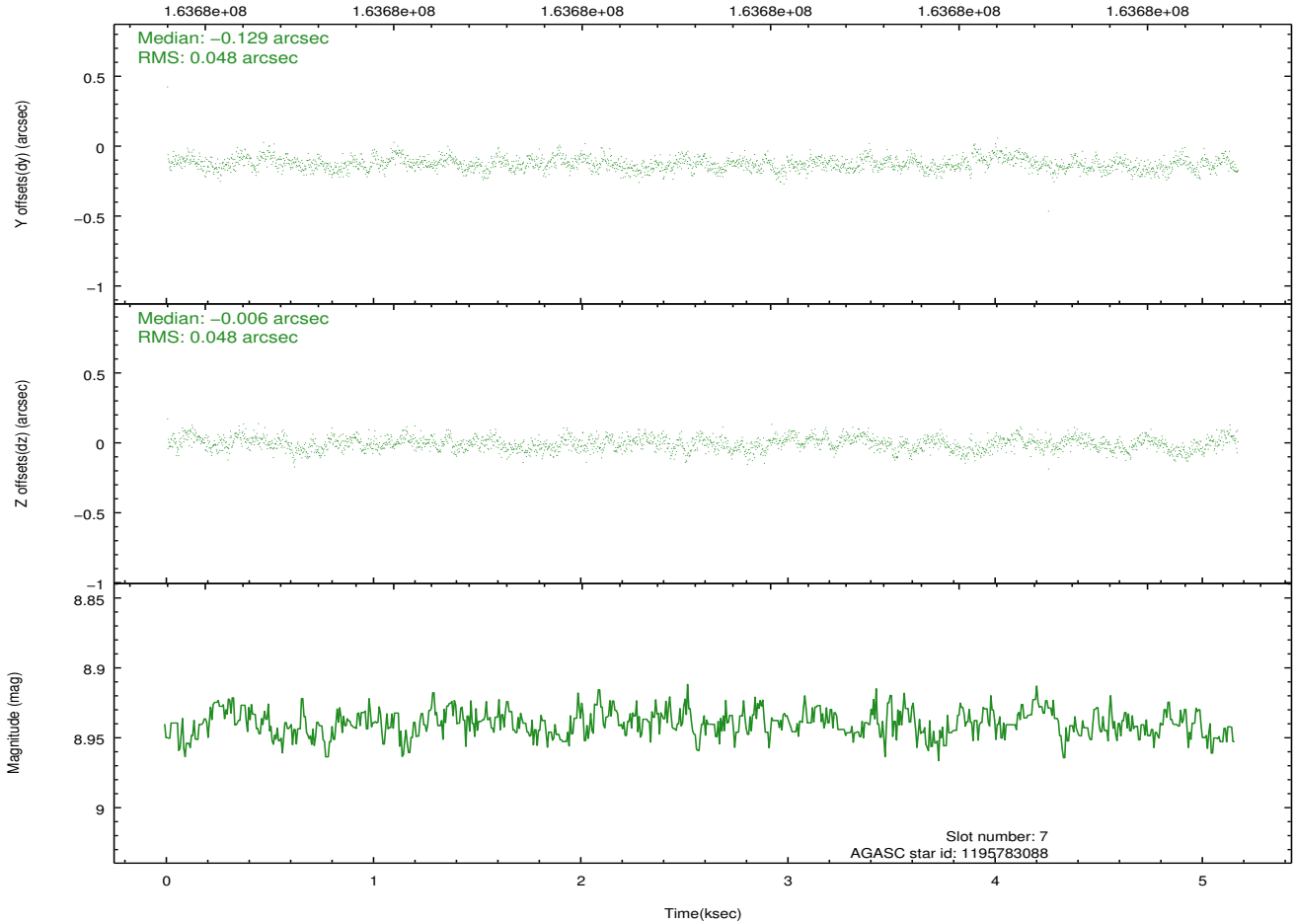
2.4.4 Slot 6



2.4.5 Slot 7

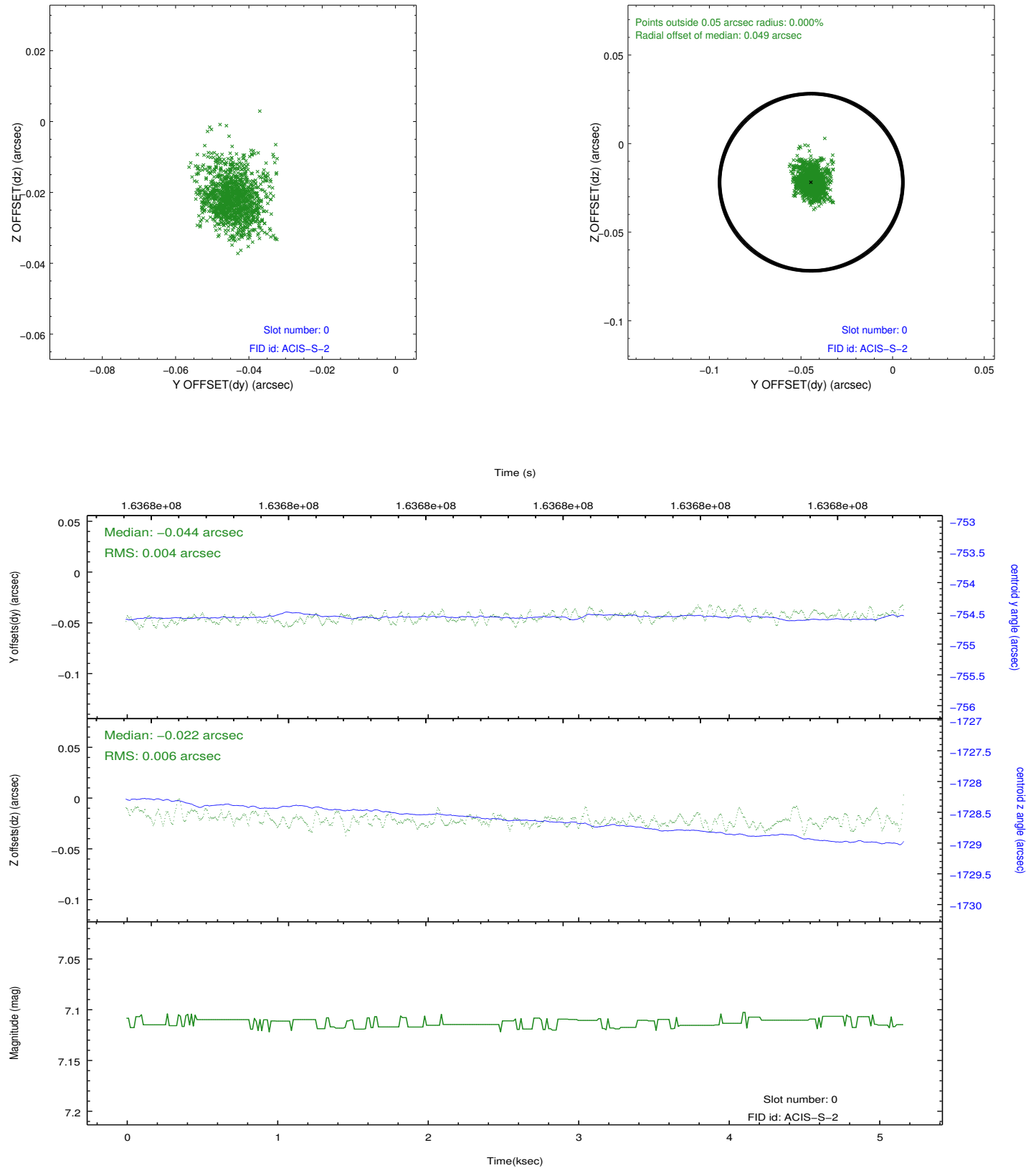


Time (s)

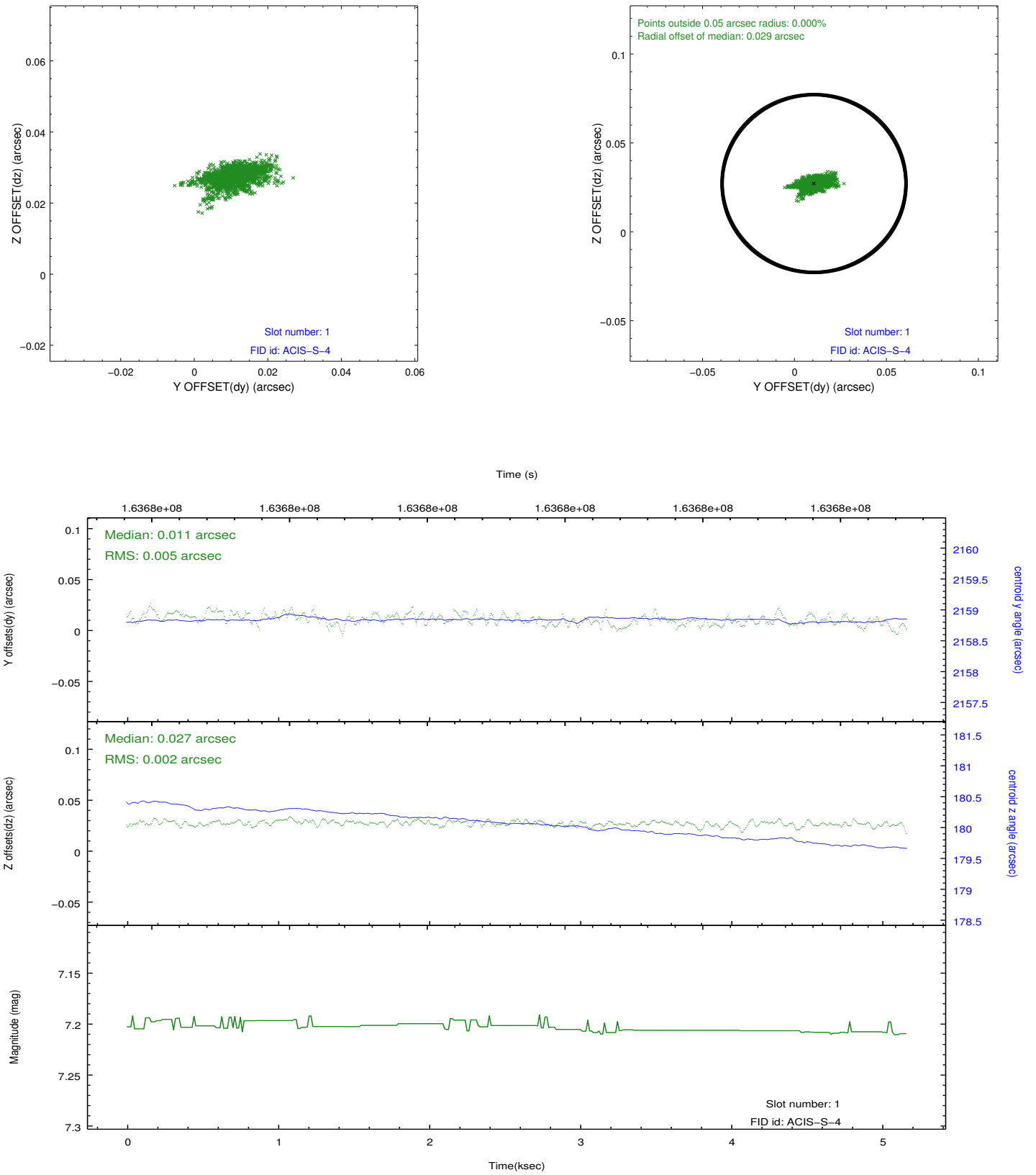


2.5 FID Slots

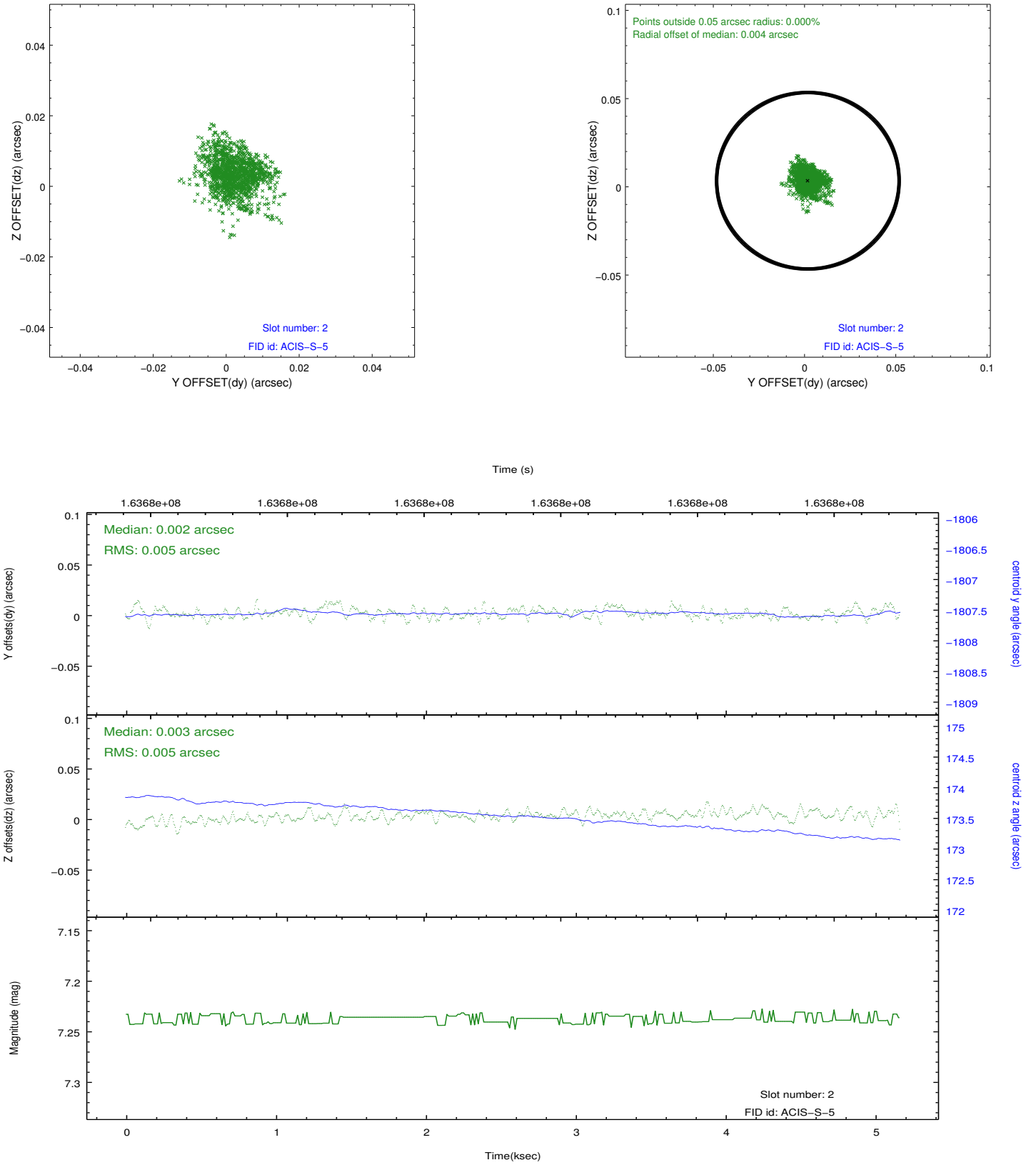
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.959

A.2 Comments