

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4017 - L2 Version 5
Chandra X-Ray Center

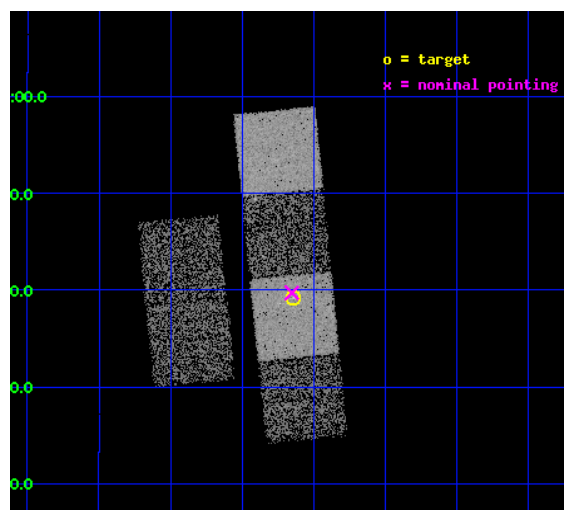
L2 Processing Date : Oct 24 2012

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1 Front

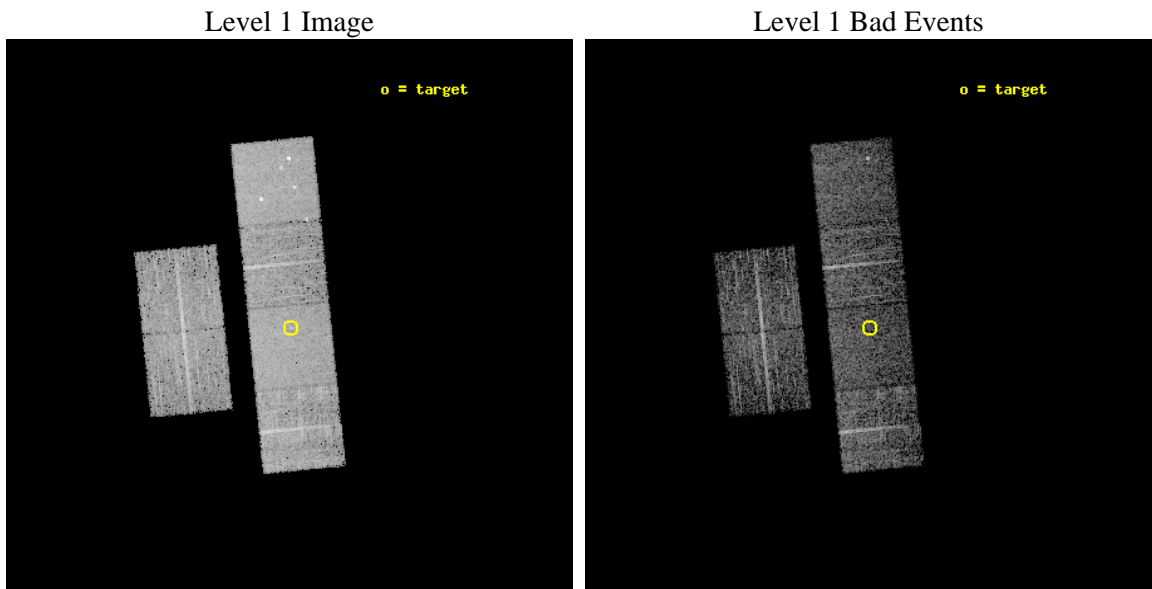
seq_num	700696	Sequence number
obs_id	4017	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC4527	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.535417	Observer's specified target RA [deg]
dec_targ	2.652778	Observer's specified target Dec [deg]
ra_nom	188.53805283653	Nominal RA [deg]
dec_nom	2.6621786878025	Nominal Dec [deg]
roll_nom	84.223919113536	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4958.9754032493	Sum of GTIs [s]
livetime	4896.1818707568	Livetime [s]
ontime2	4959.0164432526	Sum of GTIs [s]
ontime3	4958.8522832394	Sum of GTIs [s]
ontime5	4958.934363246	Sum of GTIs [s]
ontime6	4958.8933232427	Sum of GTIs [s]
ontime7	4958.9754032493	Sum of GTIs [s]
ontime8	4958.8112432659	Sum of GTIs [s]
l2events	50014	Number of level 2 events



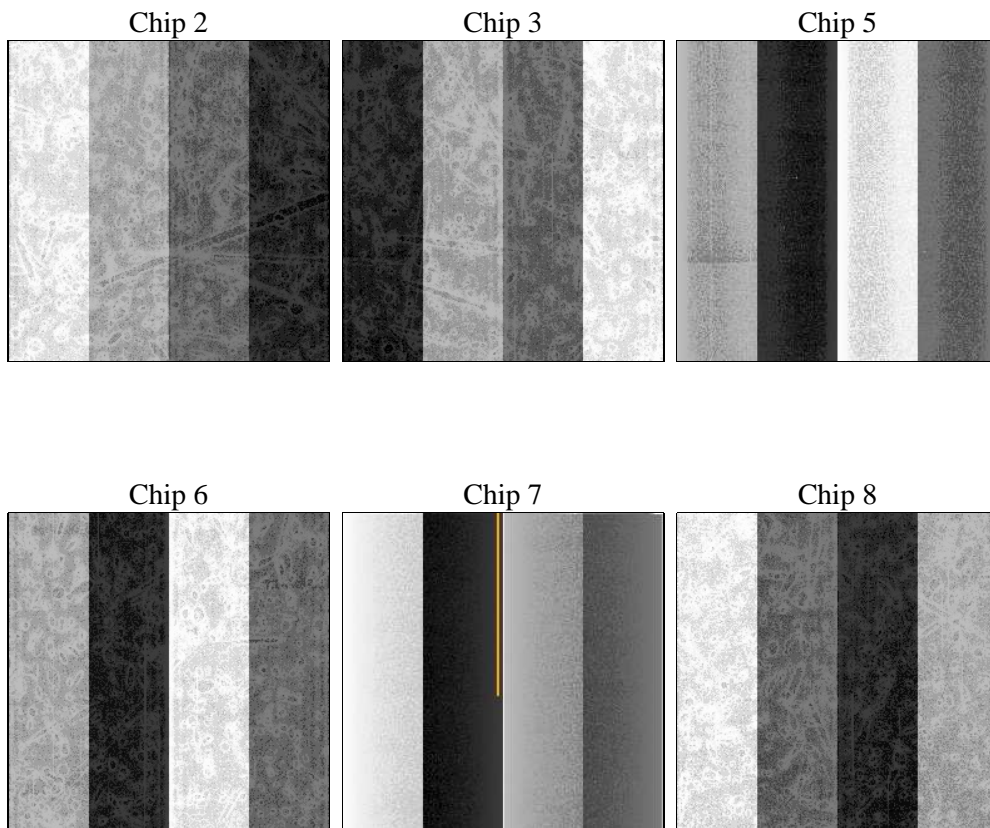
2 OBI

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	4958.9754032493	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4959.0164432526	Sum of GTIs [s]
date	2012-10-24T13:00:37	Date and time of file creation	ontime3	4958.8522832394	Sum of GTIs [s]
revision	5	Processing version of data	ontime5	4958.934363246	Sum of GTIs [s]
			ontime6	4958.8933232427	Sum of GTIs [s]
			ontime7	4958.9754032493	Sum of GTIs [s]
			ontime8	4958.8112432659	Sum of GTIs [s]
			l1events	224934	Number of level 1 events

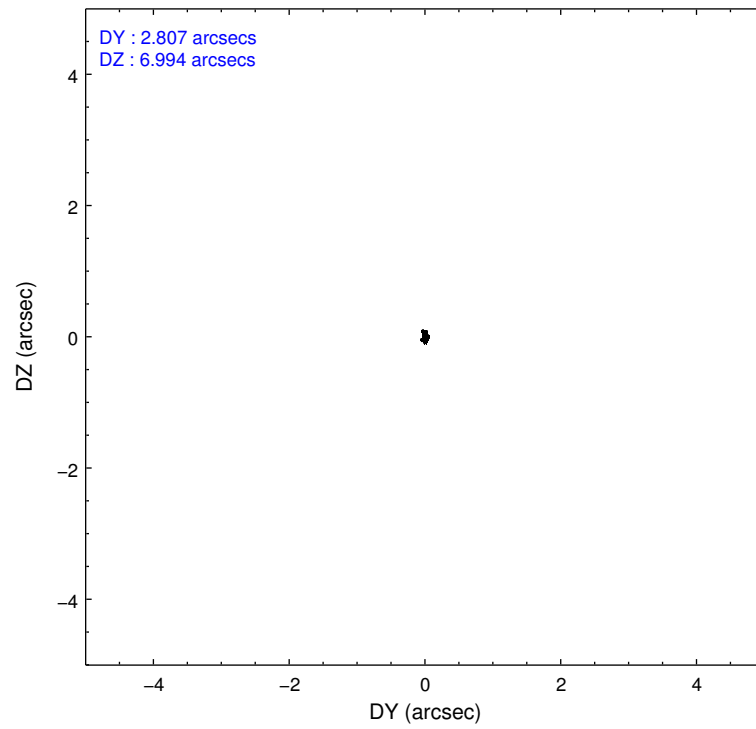
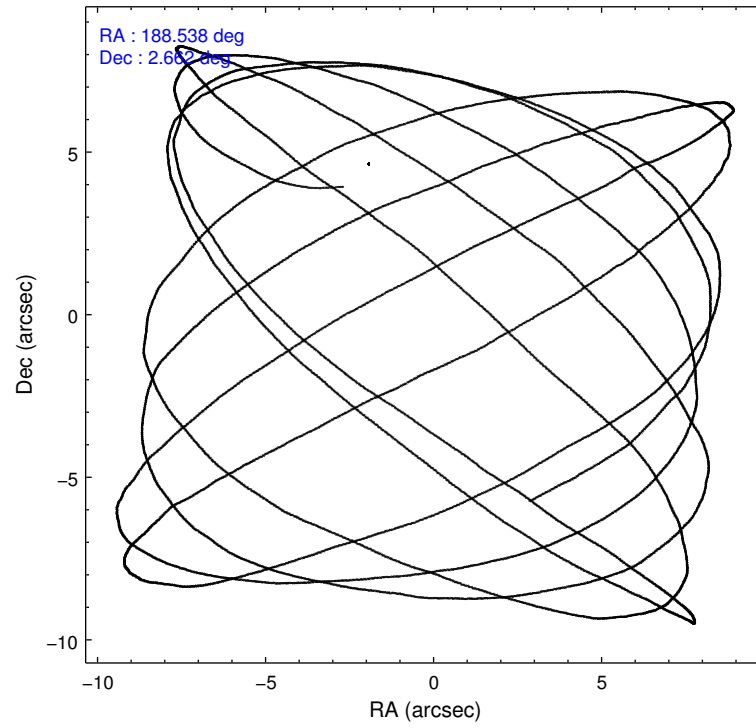
2.1.4 Events

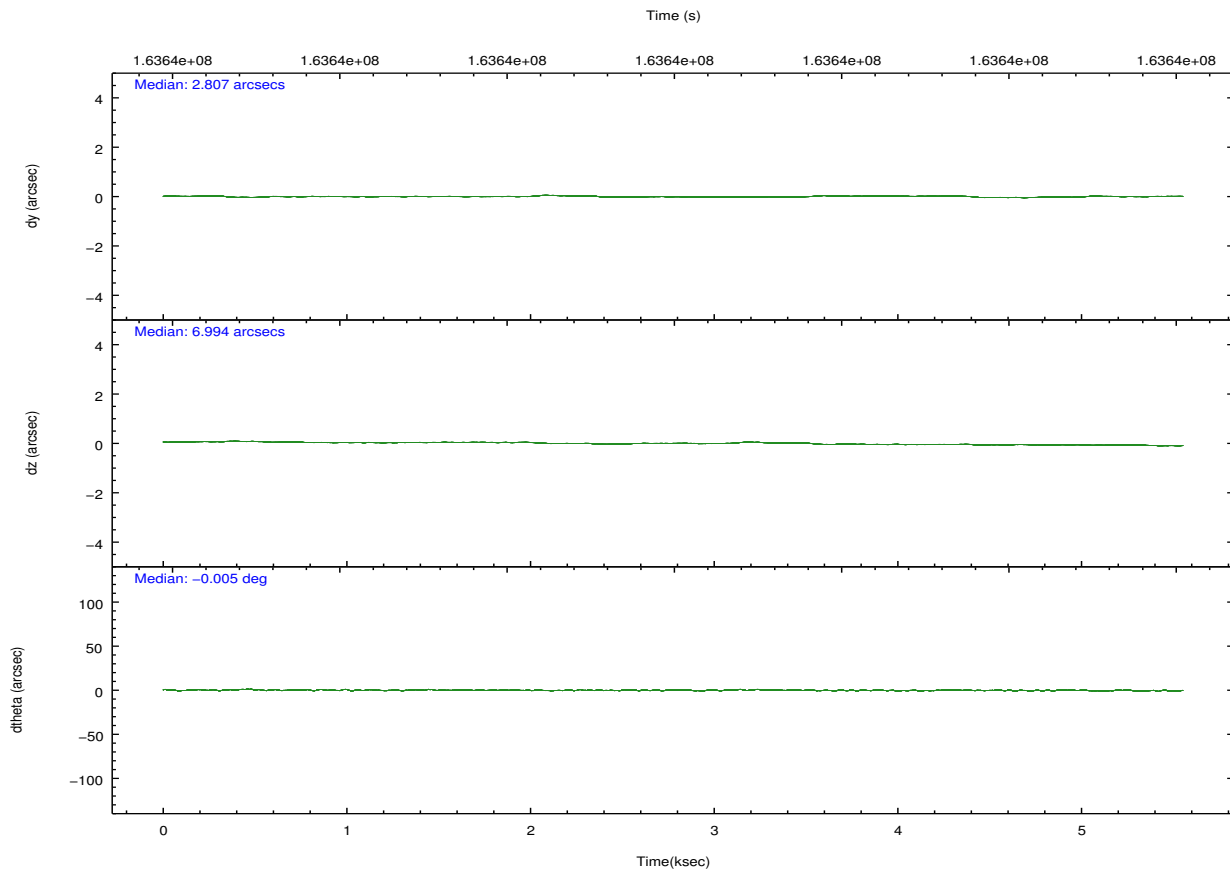
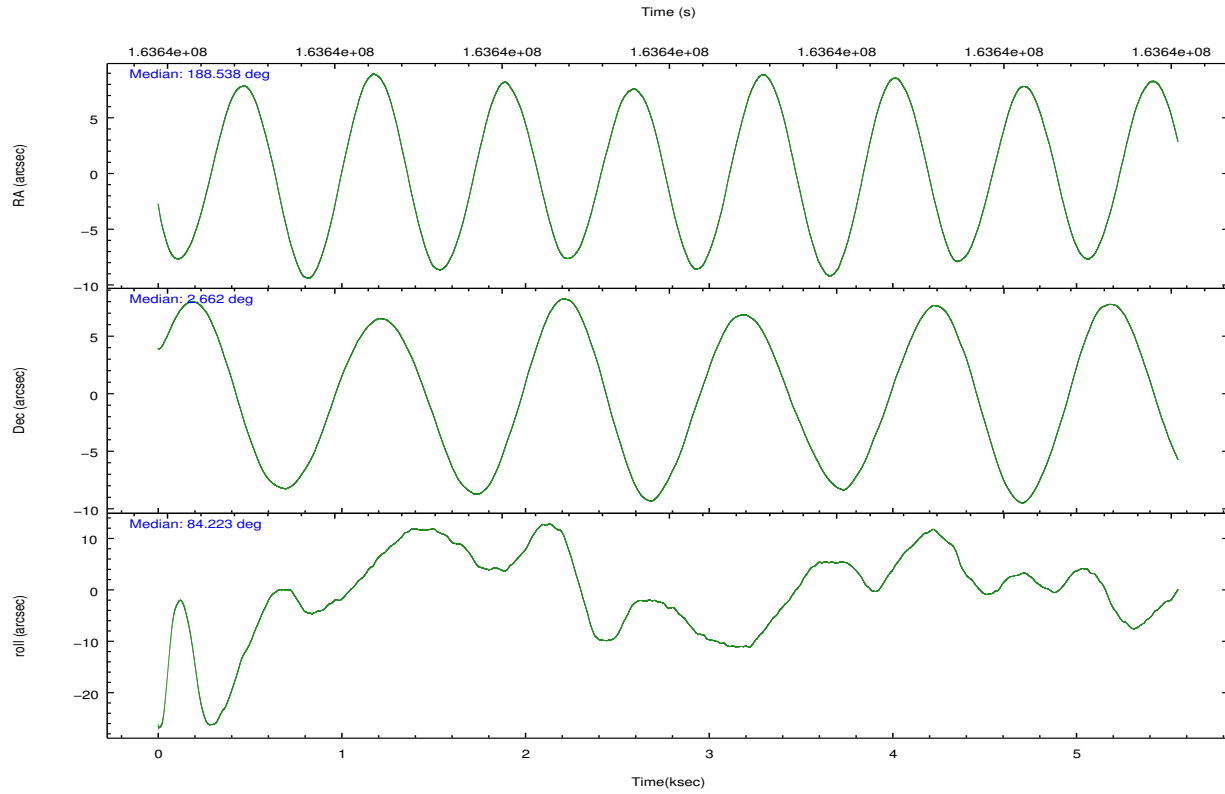
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32592	30441	47774	32295	42323	39509	grade 0 events	1696	1608	3047	1588	1887	2646
rejected events	28817	26866	25526	28446	24329	31403		5%	5%	6%	4%	4%	6%
rejected %	88%	88%	53%	88%	57%	79%	grade 1 events	12	14	99	9	41	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	753	650	6671	789	3662	1790
								2%	2%	13%	2%	8%	4%
							grade 3 events	377	371	818	361	1589	859
								1%	1%	1%	1%	3%	2%
							grade 4 events	360	342	810	366	1593	826
								1%	1%	1%	1%	3%	2%
							grade 5 events	1238	1324	3562	1411	4023	1861
								3%	4%	7%	4%	9%	4%
							grade 6 events	595	606	10929	757	9287	1991
								1%	1%	22%	2%	21%	5%
							grade 7 events	27561	25526	21838	27014	20241	29514
								84%	83%	45%	83%	47%	74%

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	188.549584	188.5380528365334	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.637401	2.662178687802459	Alternating exposures requested	N	N
[deg] Pointing Roll	84.066755	84.22391911353577	[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)	163639769.184000	163638623.85111			
Observation start date	2003-03-09T23:28:25	2003-03-09T23:10:23			
[s] Observation end time (MET)	163644769.184000	163645127.98889			
Observation end date	2003-03-10T00:51:45	2003-03-10T00:58:47			
Read mode	TIMED	TIMED			

2.3 Aspect



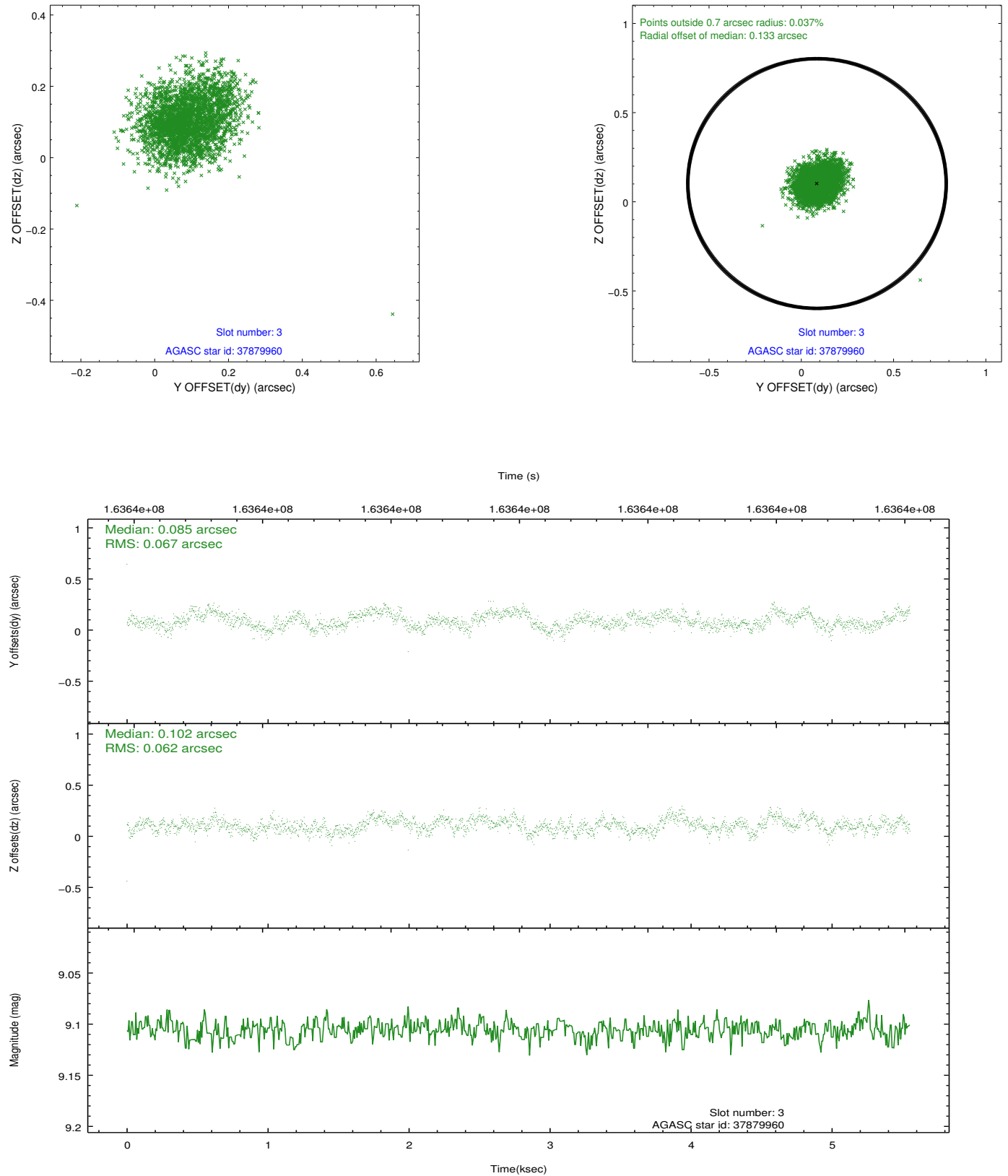


Slot Statistics

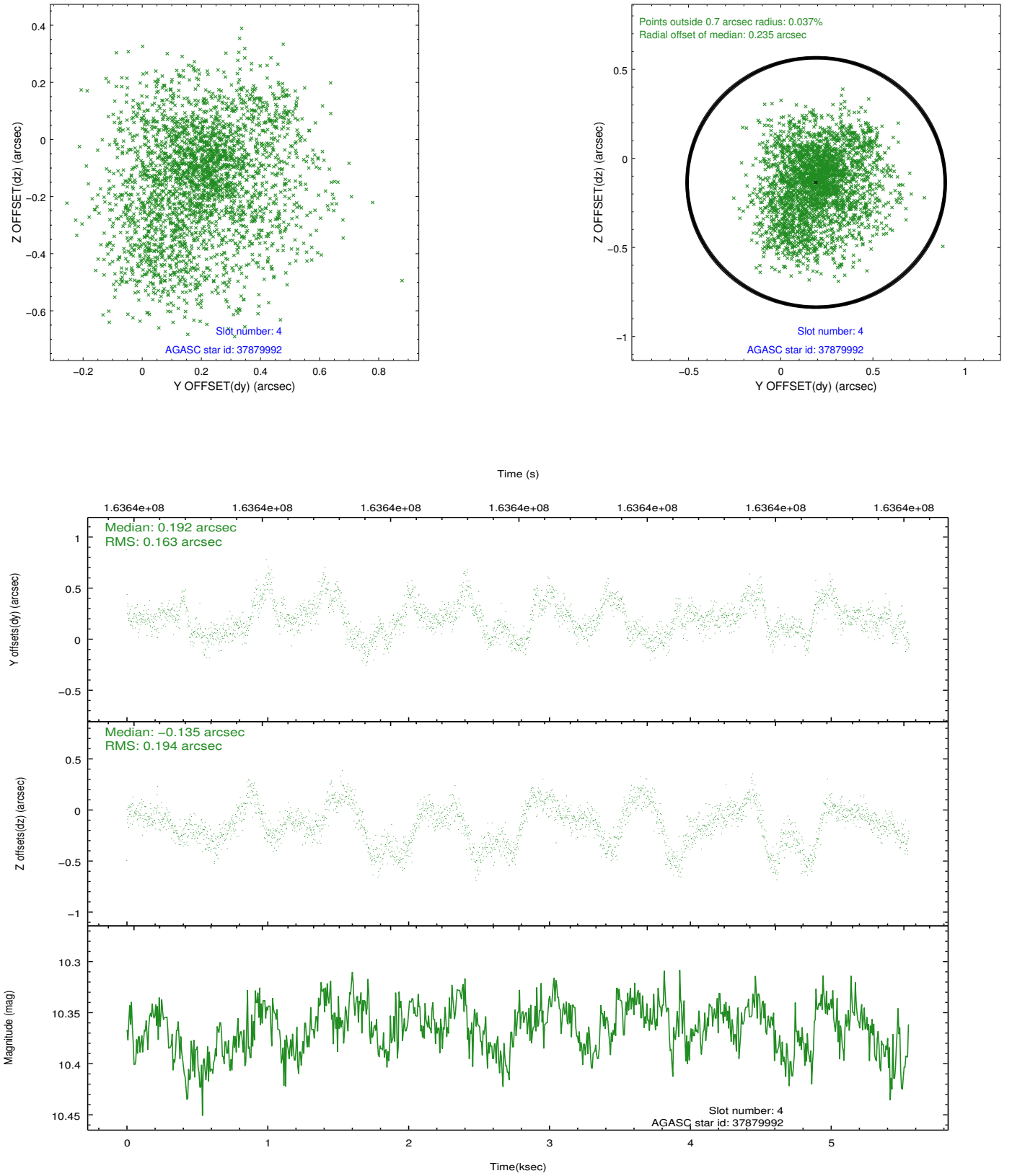
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1355	-0.029	-0.001	0.007	0.011	0.000000	0.000000	-755.46	-1728.17
1	FID	ACIS-S-4	7.20	1355	-0.001	0.014	0.006	0.011	0.000000	0.000000	2157.34	179.24
2	FID	ACIS-S-5	7.24	1355	-0.001	-0.004	0.007	0.012	0.000000	0.000000	-1806.89	174.09
3	GUIDE	37879960	9.11	2710	0.085	0.102	0.098	0.157	188.579259	2.444508	-680.09	-177.82
4	GUIDE	37879992	10.37	2707	0.192	-0.135	0.281	0.430	188.222608	2.414886	-918.77	1086.75
5	GUIDE	38276672	9.71	2692	-0.030	-0.049	0.138	0.219	188.117492	3.340615	2356.82	1807.26
6	GUIDE	38279336	9.95	2706	-0.189	0.125	0.129	0.208	188.708780	3.261056	2292.50	-336.17
7	GUIDE	38280776	8.81	2708	-0.057	-0.027	0.089	0.139	188.539013	3.077618	1572.65	201.55

2.4 Star Slots

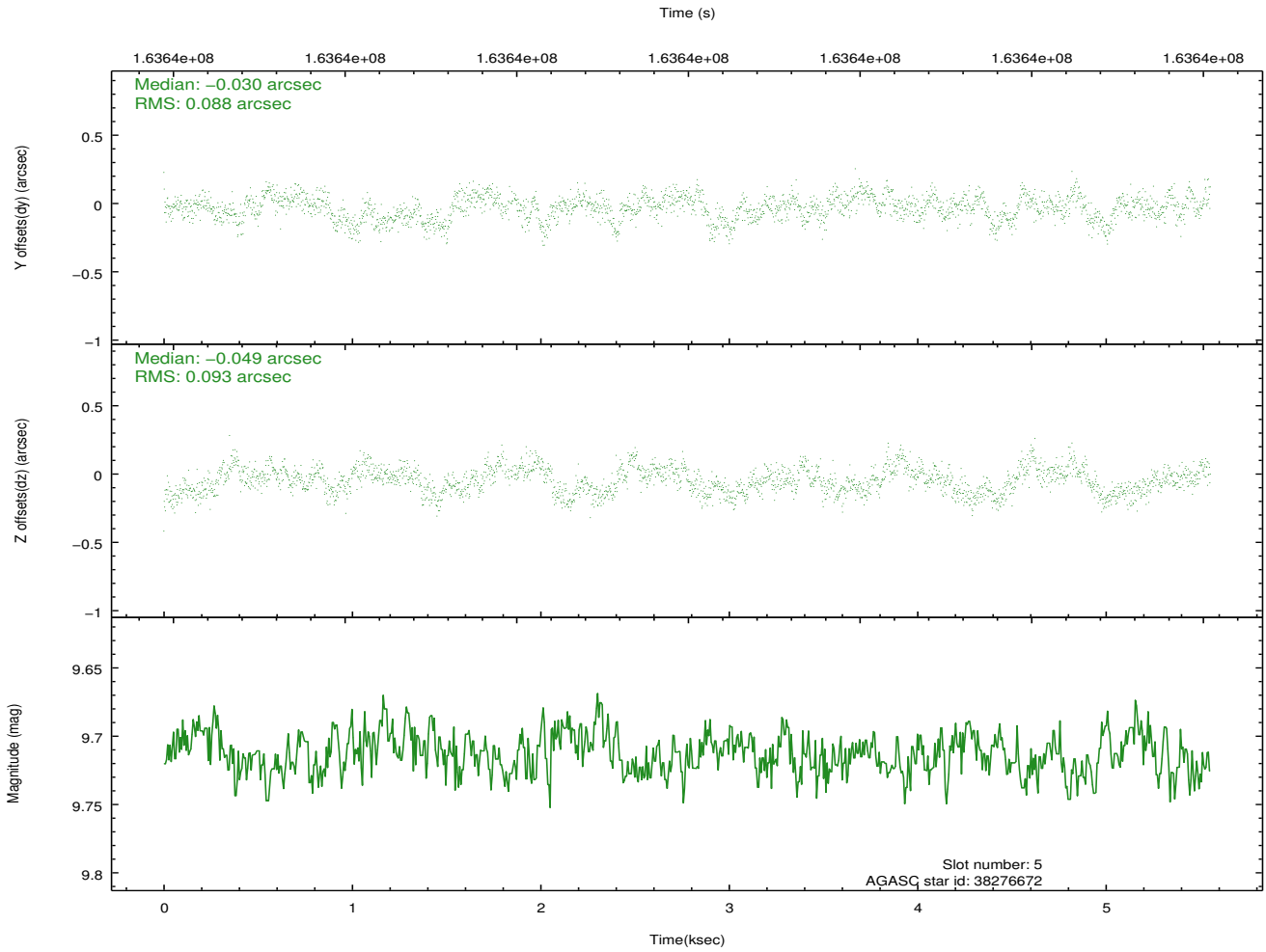
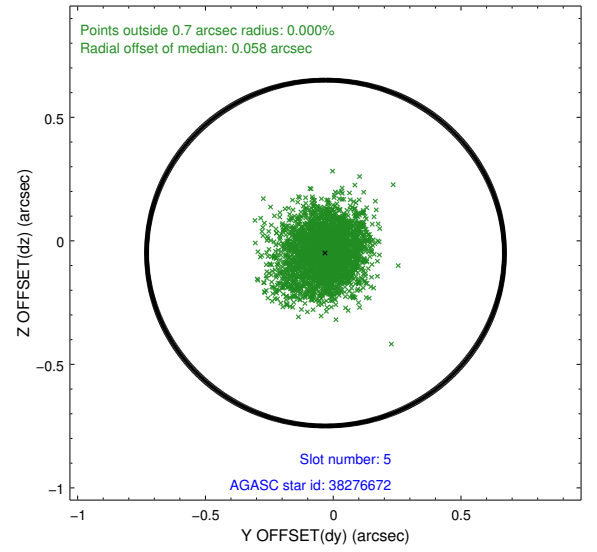
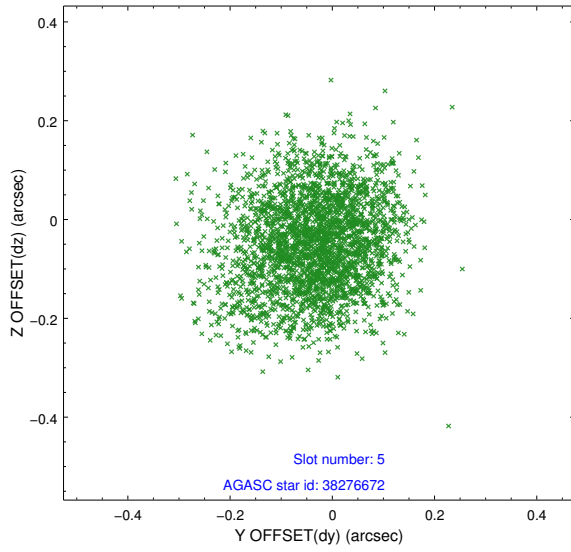
2.4.1 Slot 3



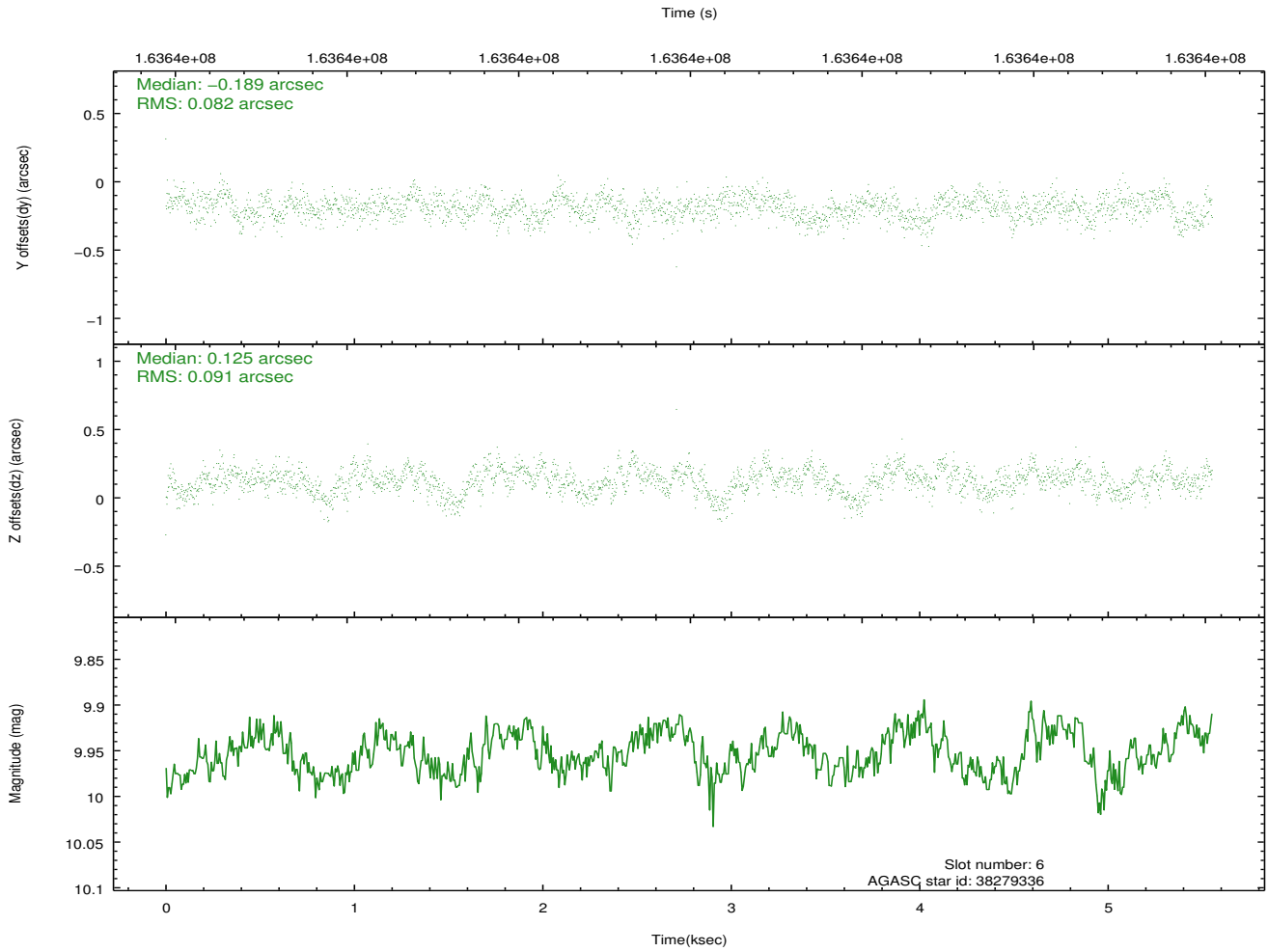
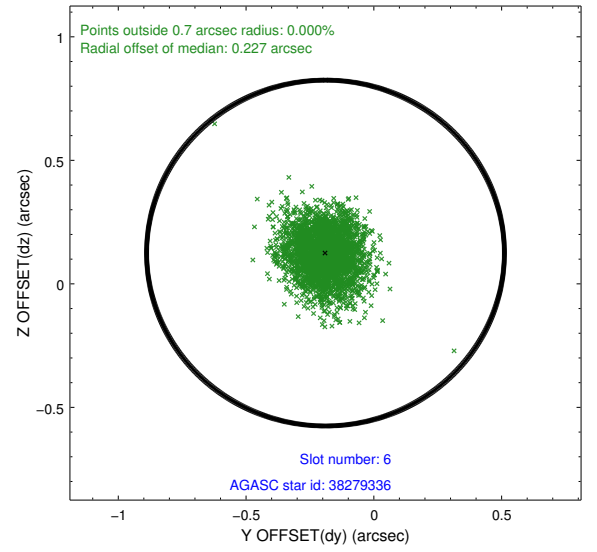
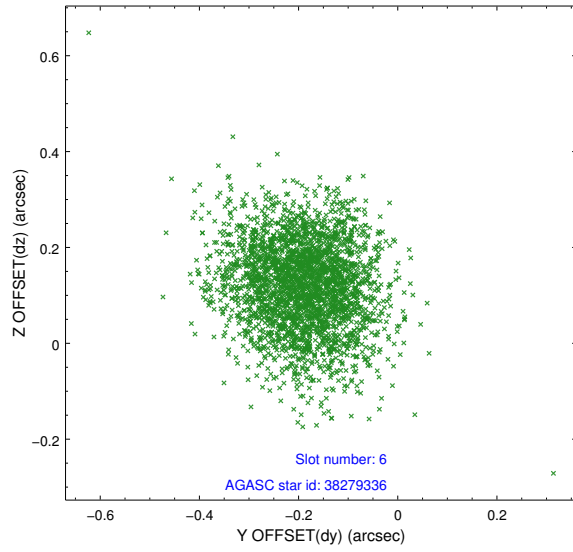
2.4.2 Slot 4



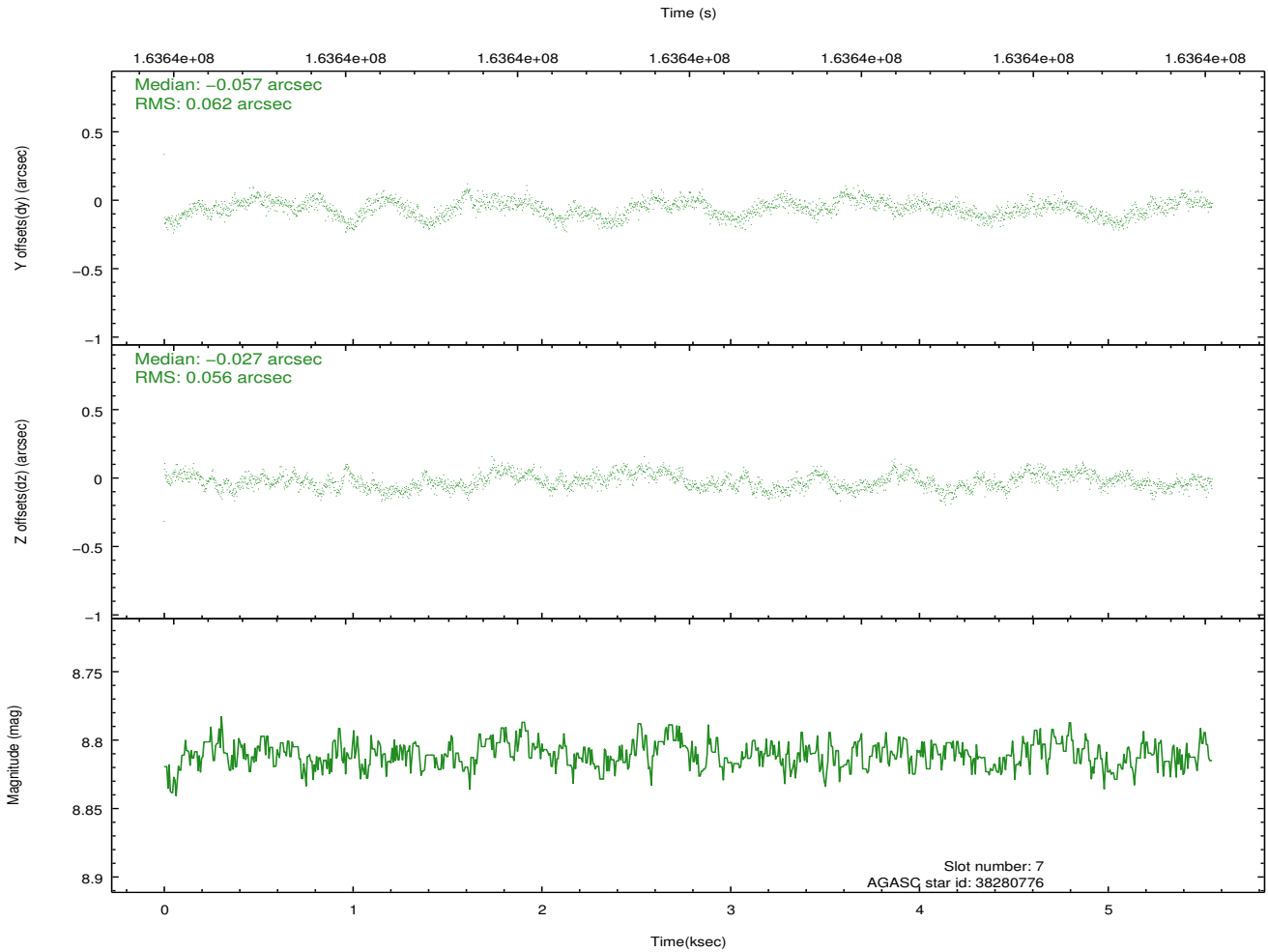
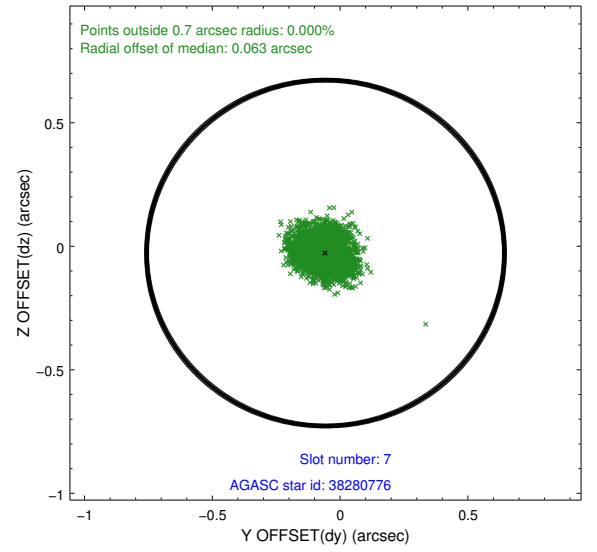
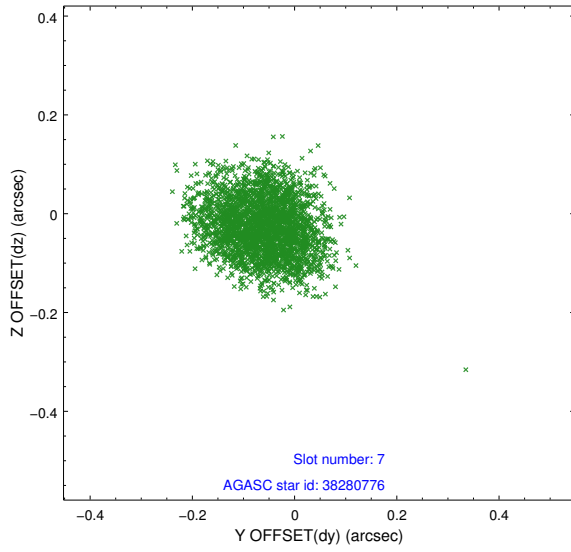
2.4.3 Slot 5



2.4.4 Slot 6

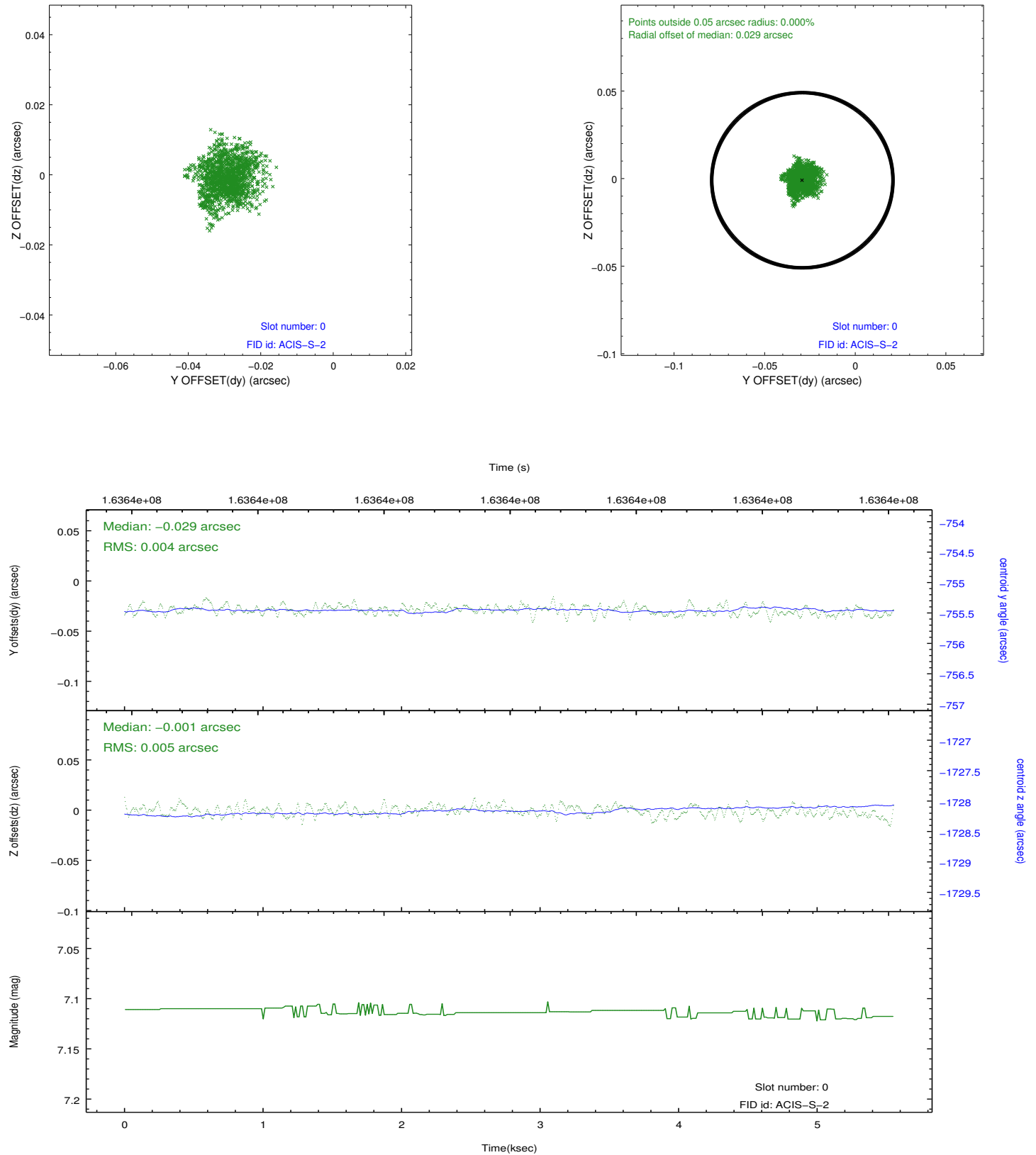


2.4.5 Slot 7

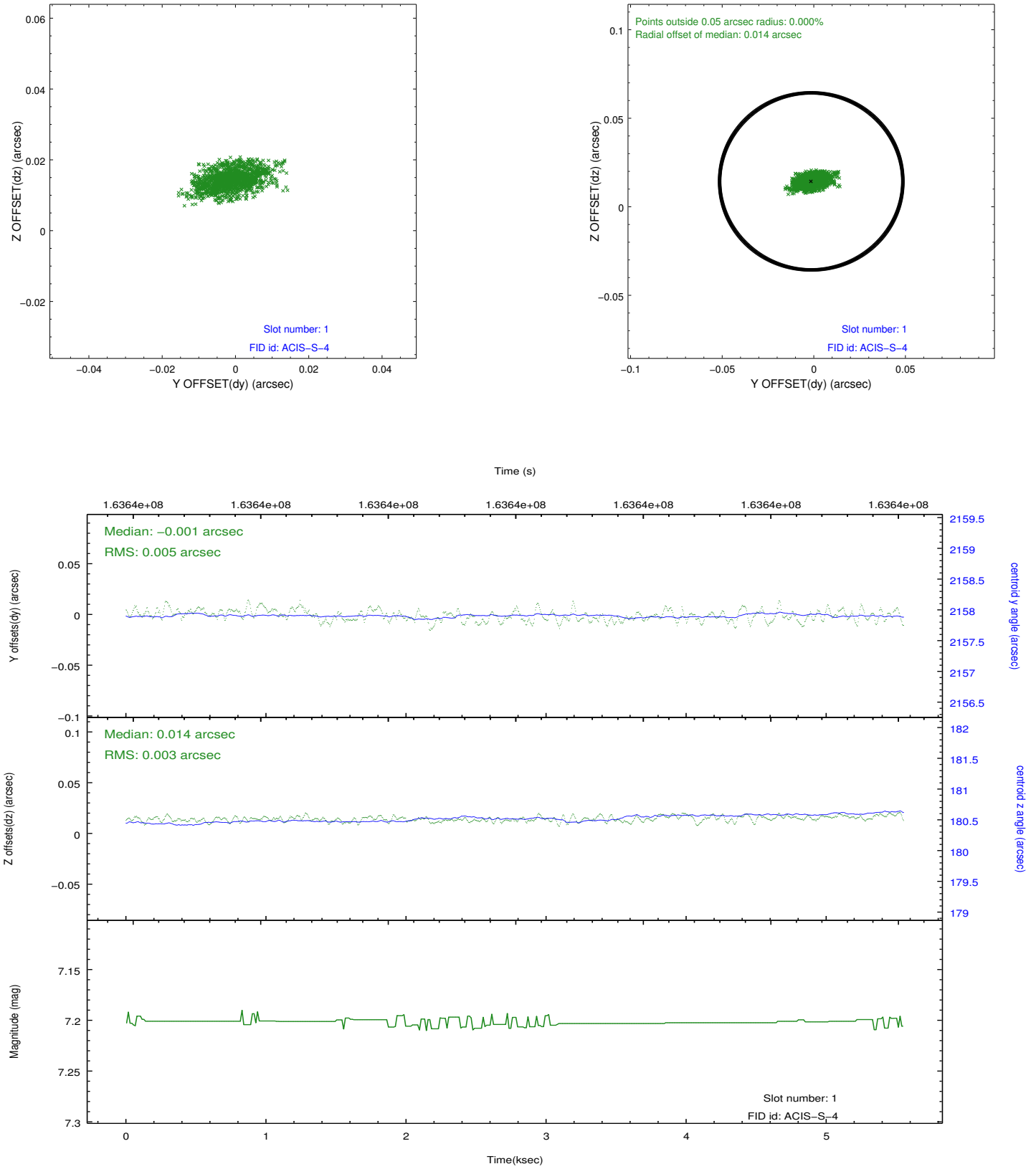


2.5 FID Slots

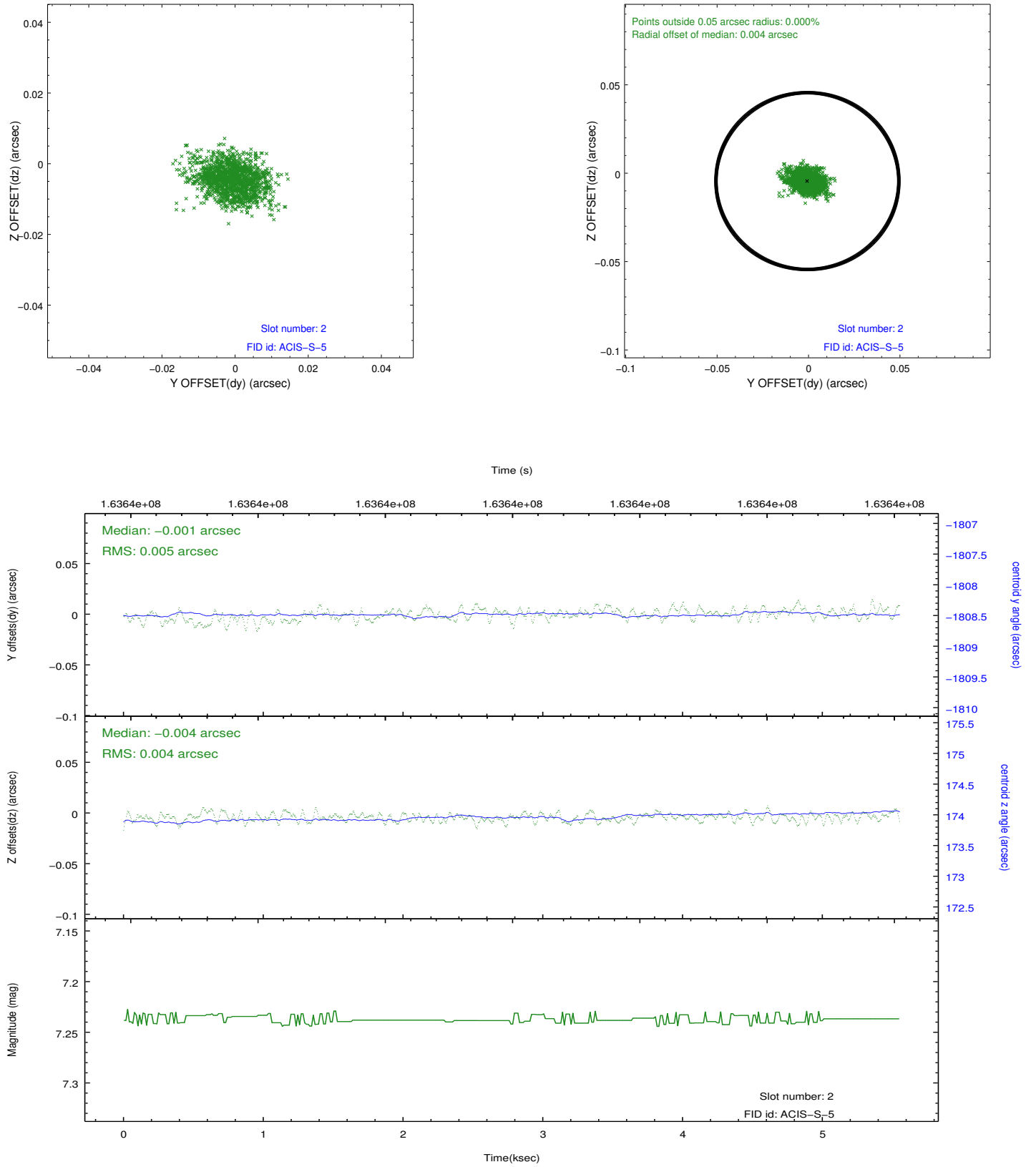
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.96

A.2 Comments