

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7090 - L2 Version 2
Chandra X-Ray Center

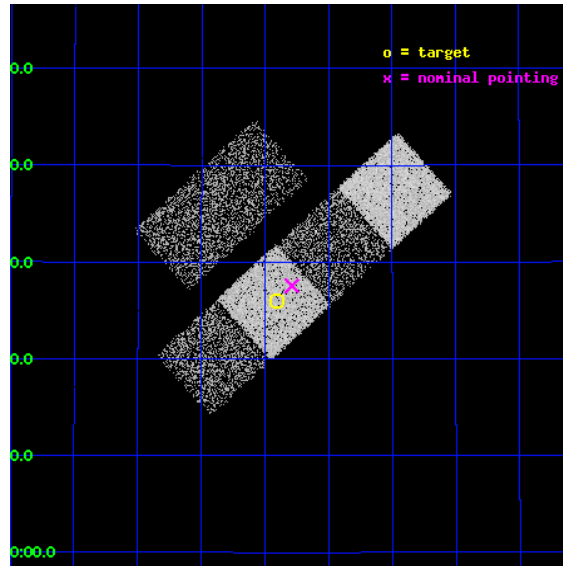
L2 Processing Date : Apr 10 2012

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1 Front

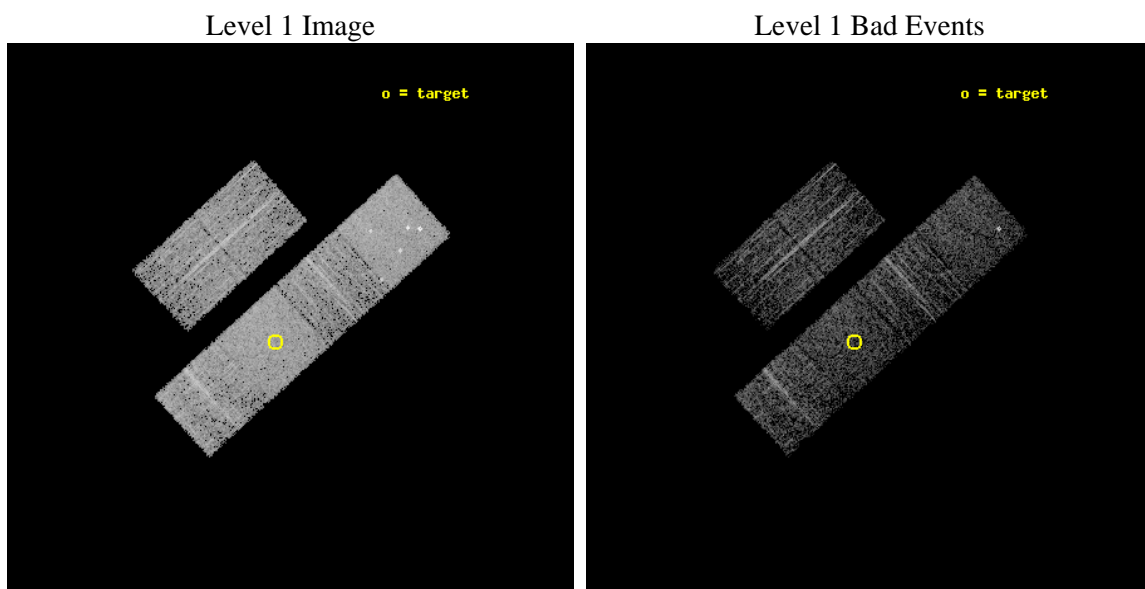
seq_num	600528	Sequence number
obs_id	7090	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 0672	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	26.977083	Observer's specified target RA [deg]
dec_targ	27.432806	Observer's specified target Dec [deg]
ra_nom	26.947314391505	Nominal RA [deg]
dec_nom	27.459185956944	Nominal Dec [deg]
roll_nom	137.70404676679	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2182.3999919295	Sum of GTIs [s]
livetime	2154.7651291482	Livetime [s]
ontime2	2182.3999919295	Sum of GTIs [s]
ontime3	2182.3999919295	Sum of GTIs [s]
ontime5	2182.3999919295	Sum of GTIs [s]
ontime6	2182.3999919295	Sum of GTIs [s]
ontime7	2182.3999919295	Sum of GTIs [s]
ontime8	2182.3999919295	Sum of GTIs [s]
l2events	31883	Number of level 2 events



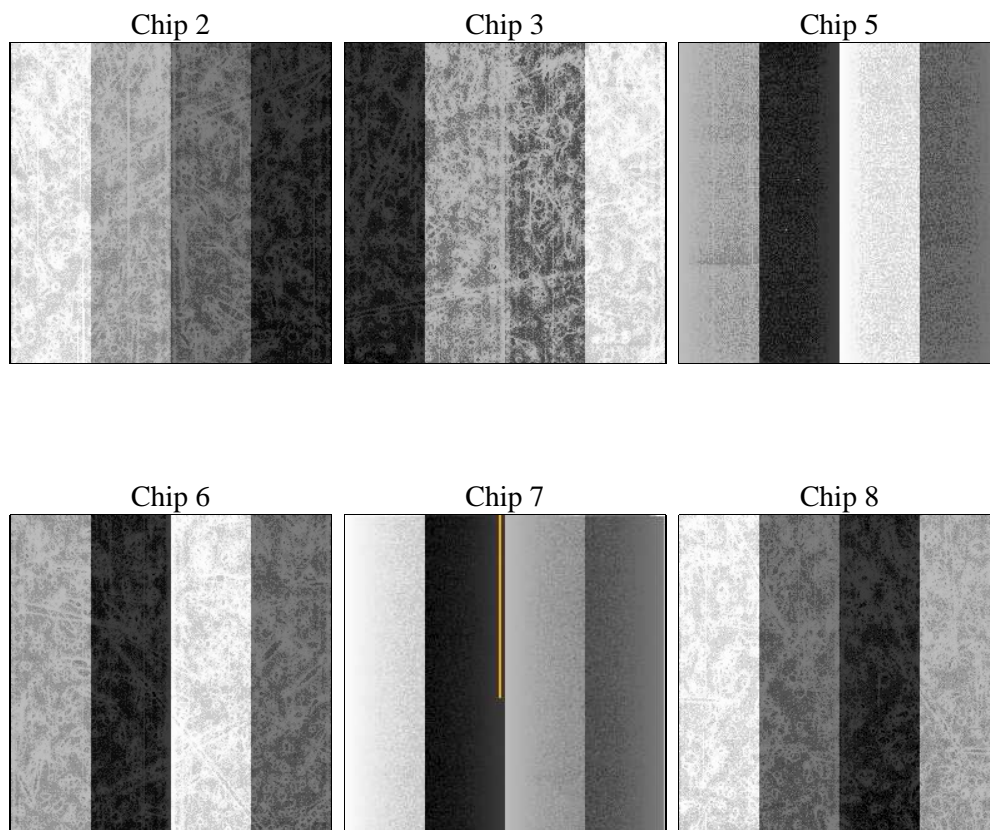
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2003.698000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2182.3999919295	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2182.3999919295	Sum of GTIs [s]
date	2012-04-10T09:40:02	Date and time of file creation	ontime3	2182.3999919295	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2182.3999919295	Sum of GTIs [s]
			ontime6	2182.3999919295	Sum of GTIs [s]
			ontime7	2182.3999919295	Sum of GTIs [s]
			ontime8	2182.3999919295	Sum of GTIs [s]
			l1events	202353	Number of level 1 events

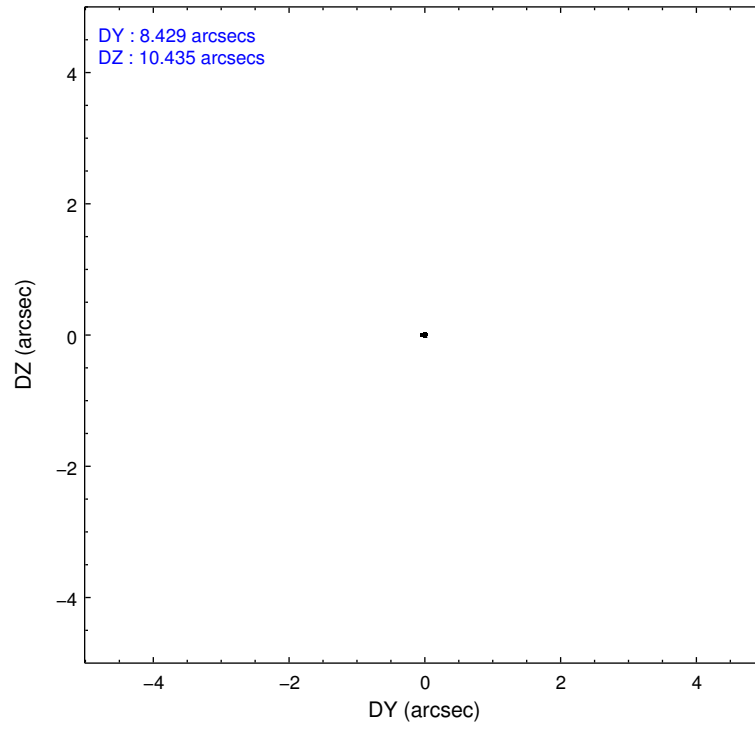
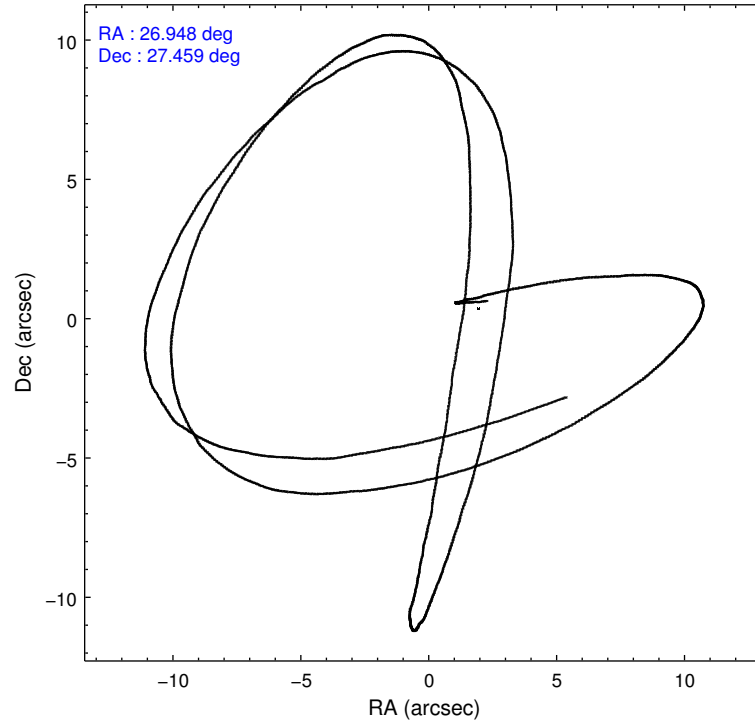
2.1.4 Events

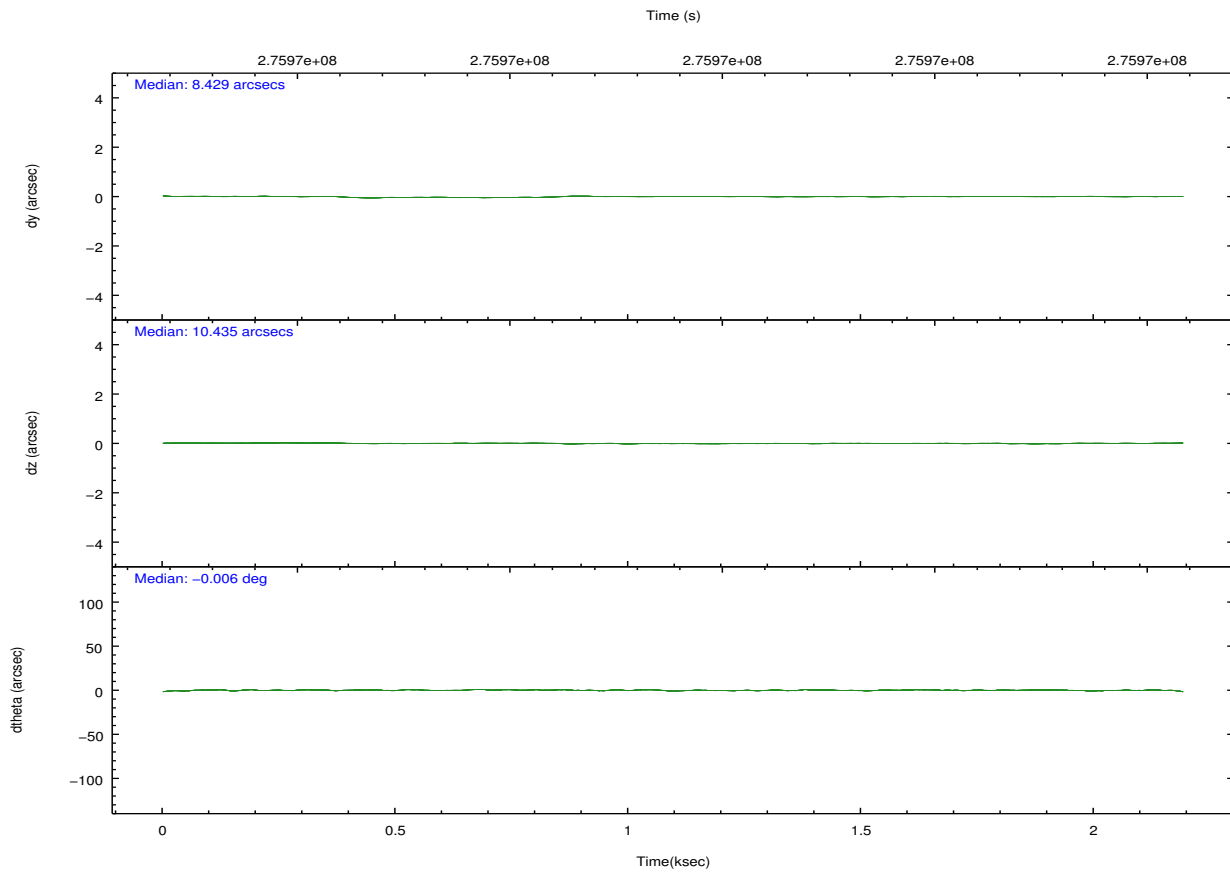
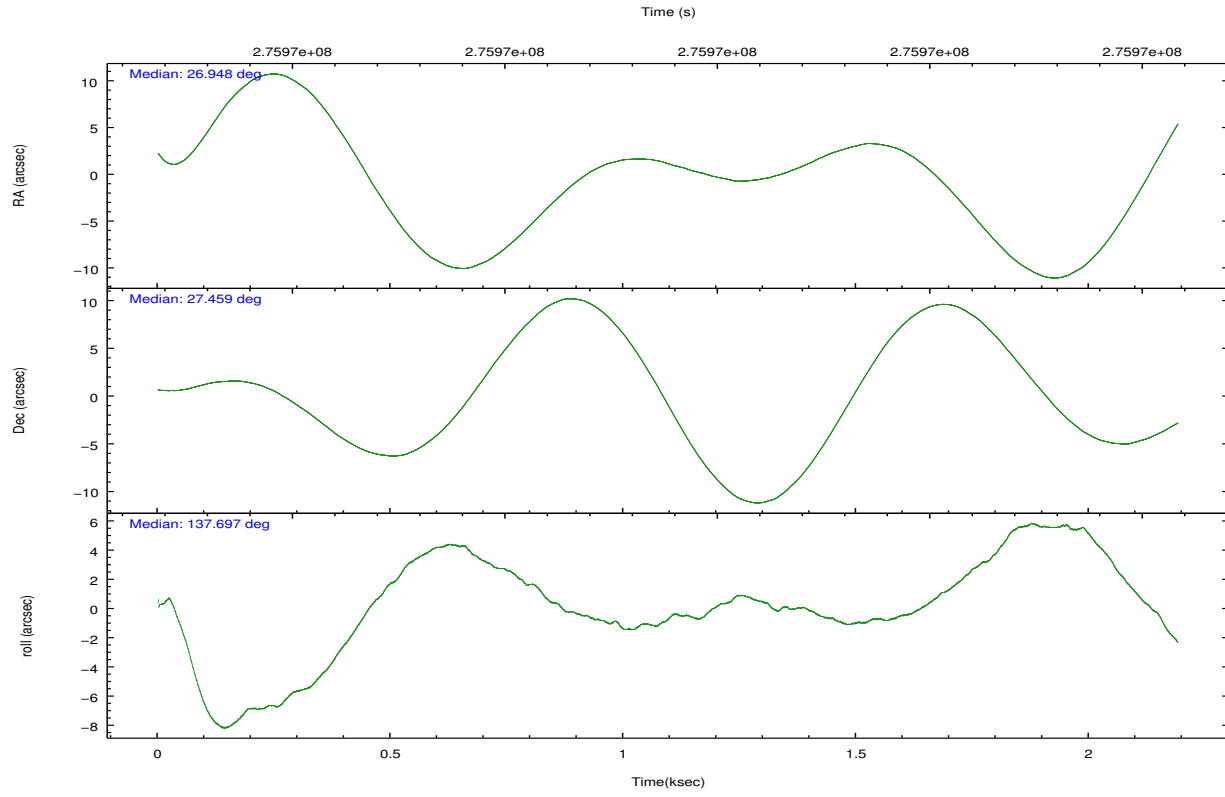
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29437	28168	44692	27844	37821	34391	grade 0 events	1252	1392	3138	1250	1363	2284
rejected events	27249	25941	29795	25485	26840	29114		4%	4%	7%	4%	3%	6%
rejected %	92%	92%	66%	91%	70%	84%	grade 1 events	13	11	118	18	32	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	679	613	6055	700	3157	1704
								2%	2%	13%	2%	8%	4%
							grade 3 events	286	310	704	321	1358	753
								0%	1%	1%	1%	3%	2%
							grade 4 events	309	292	646	328	1308	691
								1%	1%	1%	1%	3%	2%
							grade 5 events	1114	1214	2955	1189	3594	1629
								3%	4%	6%	4%	9%	4%
							grade 6 events	554	589	10384	722	8275	1858
								1%	2%	23%	2%	21%	5%
							grade 7 events	25230	23747	20692	23316	18734	25450
								85%	84%	46%	83%	49%	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	26.977360	26.9473143915053	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.453811	27.45918595694364	Alternating exposures requested	N	N
[deg] Pointing Roll	137.533532	137.7040467667852	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	275969469.184000	275967956.0759			
Observation start date	2006-09-30T02:10:04	2006-09-30T01:45:56			
[s] Observation end time (MET)	275971472.184000	275971693.73857			
Observation end date	2006-09-30T02:43:27	2006-09-30T02:48:13			
Read mode	TIMED	TIMED			

2.3 Aspect



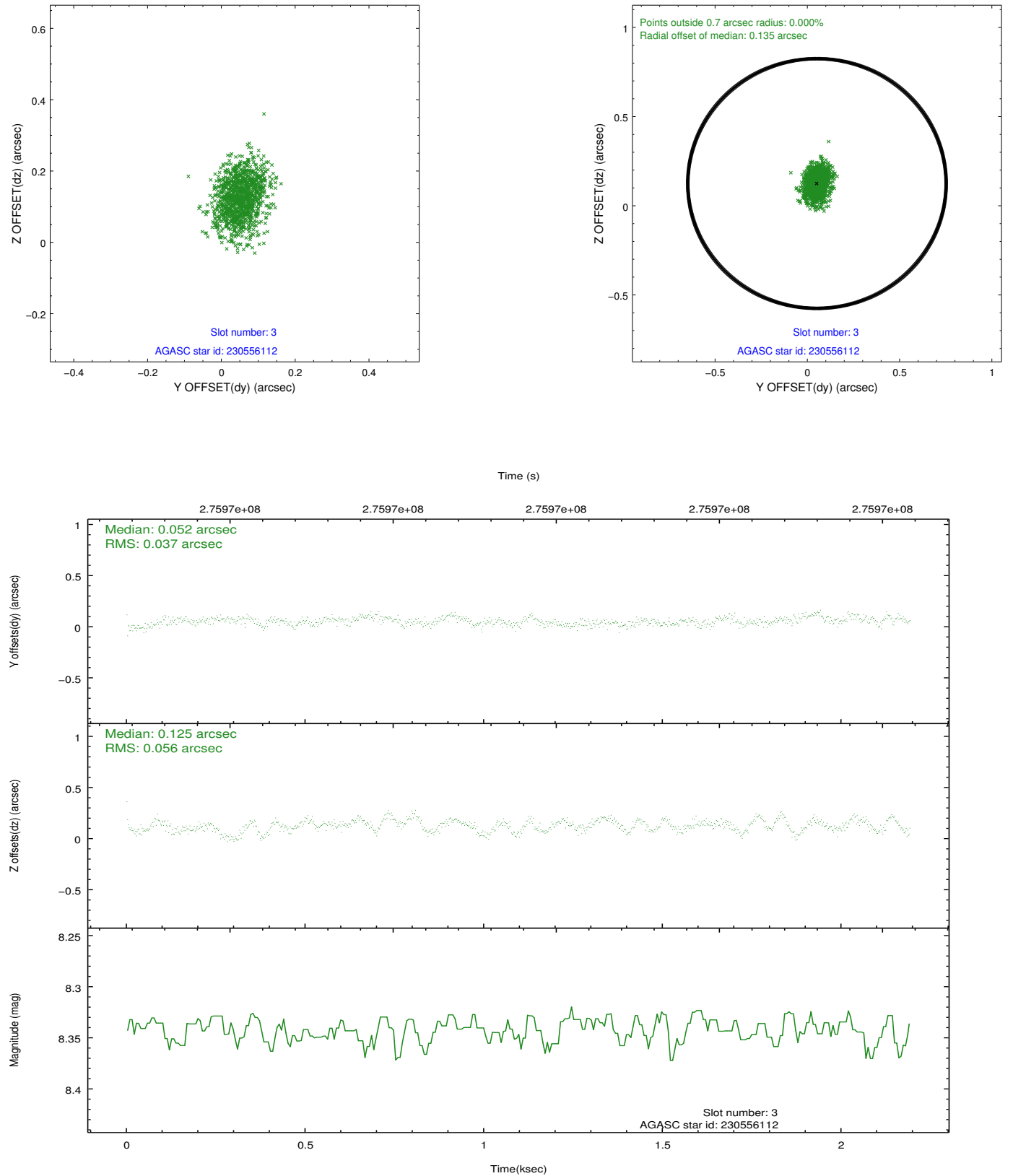


Slot Statistics

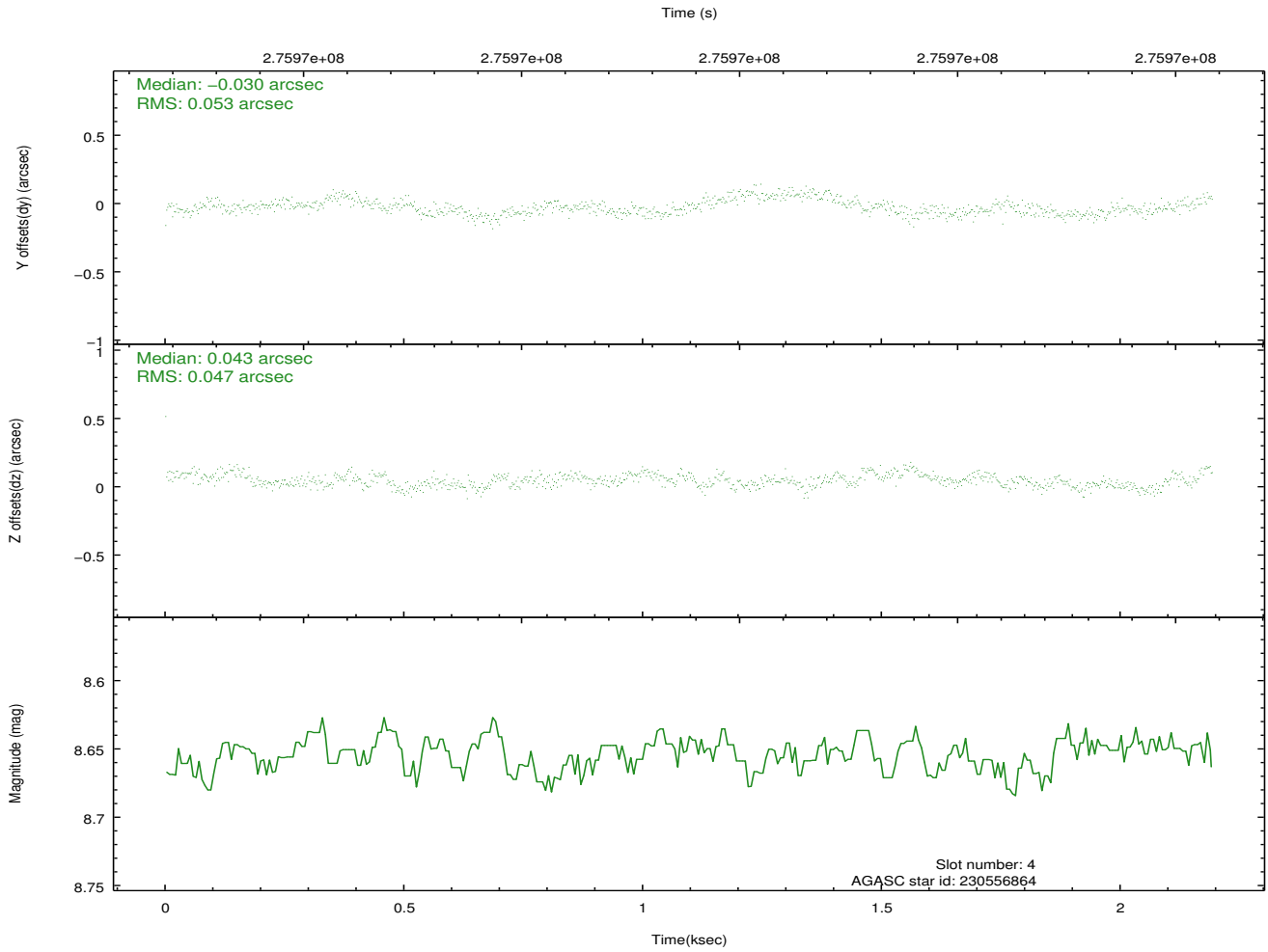
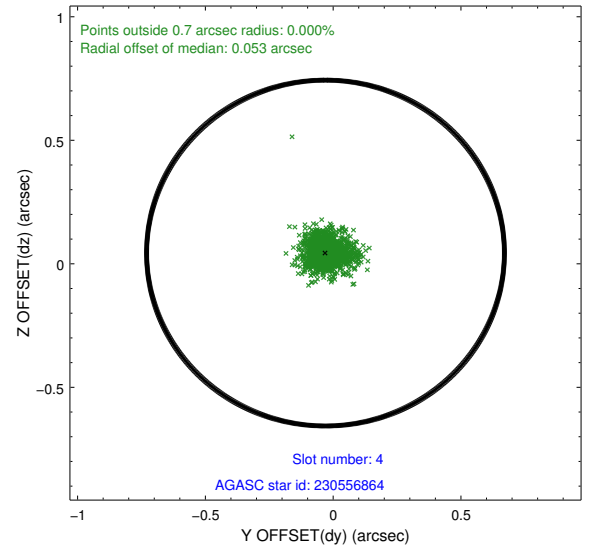
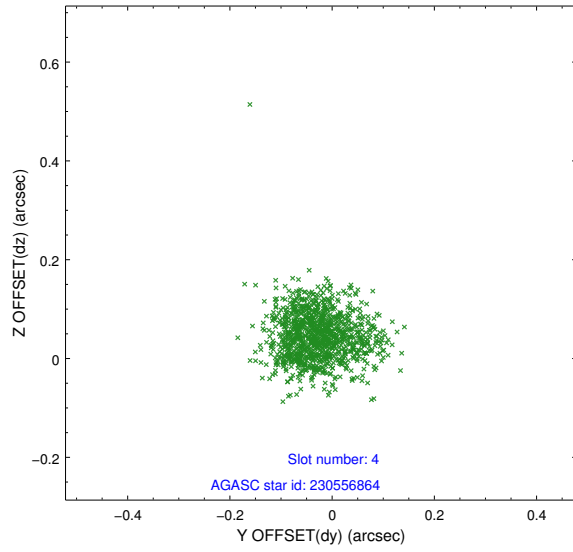
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	535	-0.046	-0.028	0.006	0.010	0.000000	0.000000	-761.21	-1731.64
1	FID	ACIS-S-4	7.22	535	0.146	0.030	0.005	0.010	0.000000	0.000000	2150.85	173.90
2	FID	ACIS-S-5	7.24	535	-0.131	0.007	0.006	0.011	0.000000	0.000000	-1810.37	170.83
3	GUIDE	230556112	8.34	1070	0.052	0.125	0.071	0.118	27.496158	27.464590	-1193.30	-1150.00
4	GUIDE	230556864	8.65	1069	-0.030	0.043	0.073	0.122	26.306031	27.416418	1494.72	1542.69
5	GUIDE	230557872	9.25	1068	0.088	-0.249	0.090	0.140	26.839930	26.864457	-1105.04	1864.04
6	GUIDE	230951504	7.77	1070	0.043	0.055	0.056	0.091	27.409007	27.706493	-399.45	-1599.84
7	GUIDE	230955056	8.06	1069	-0.160	0.024	0.052	0.084	26.996320	27.917524	1082.66	-1273.48

2.4 Star Slots

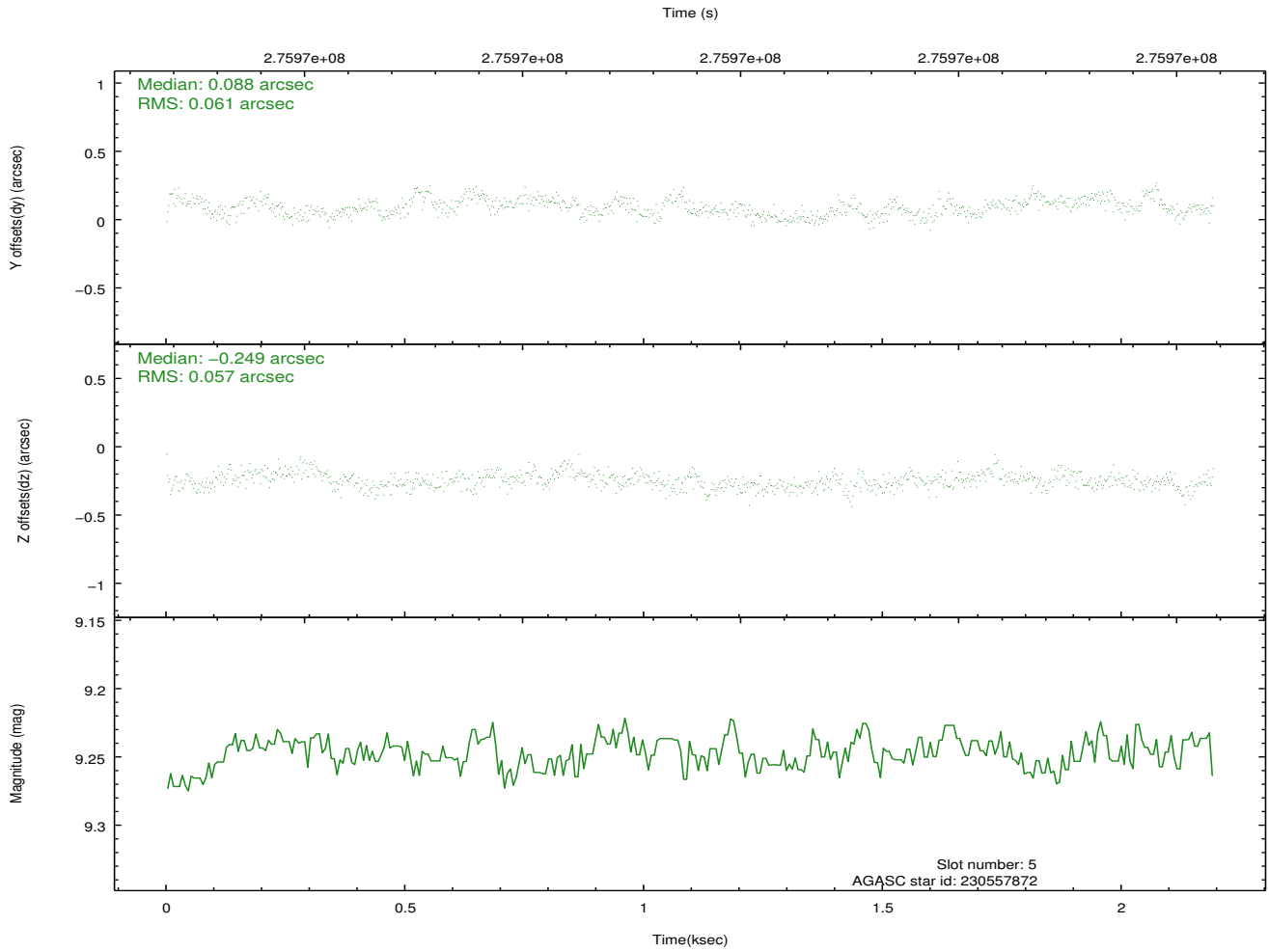
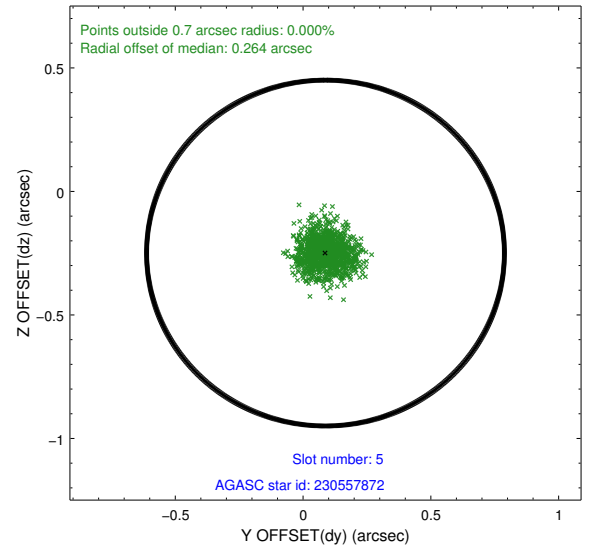
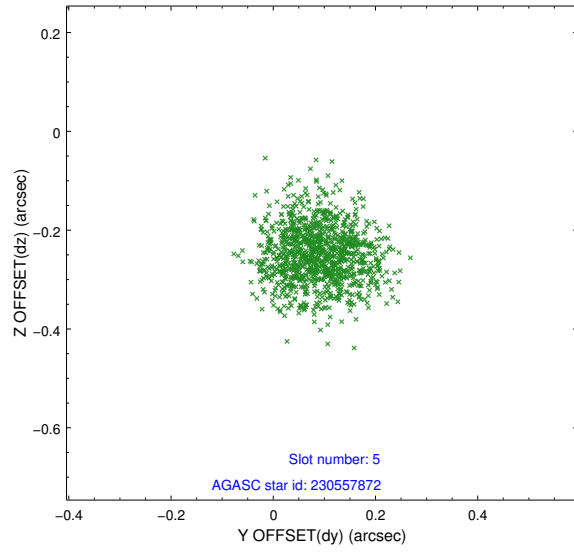
2.4.1 Slot 3



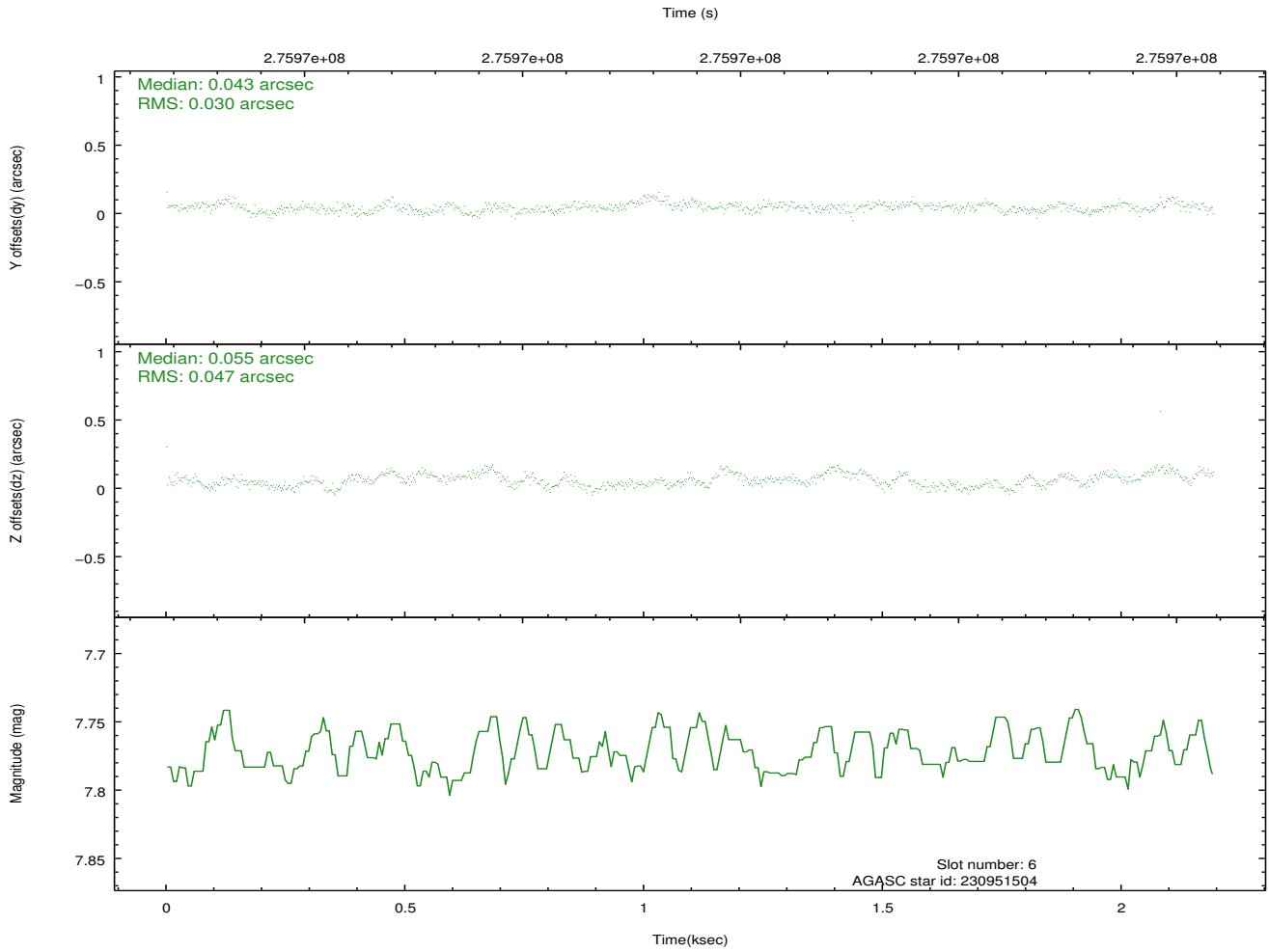
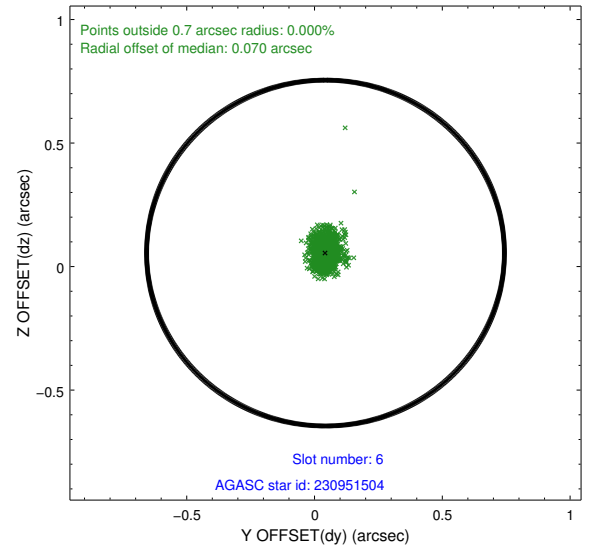
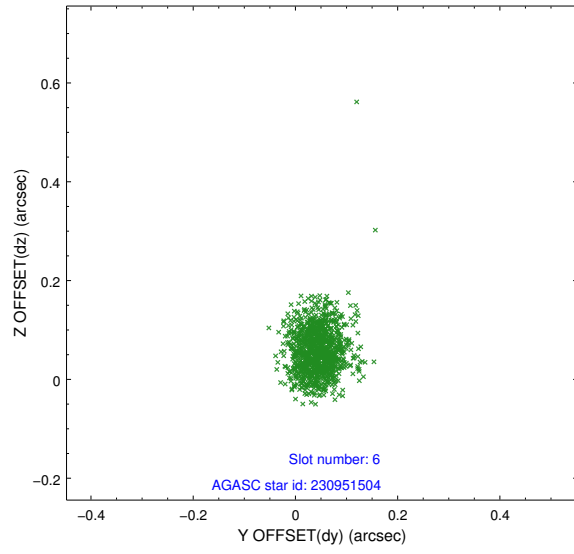
2.4.2 Slot 4



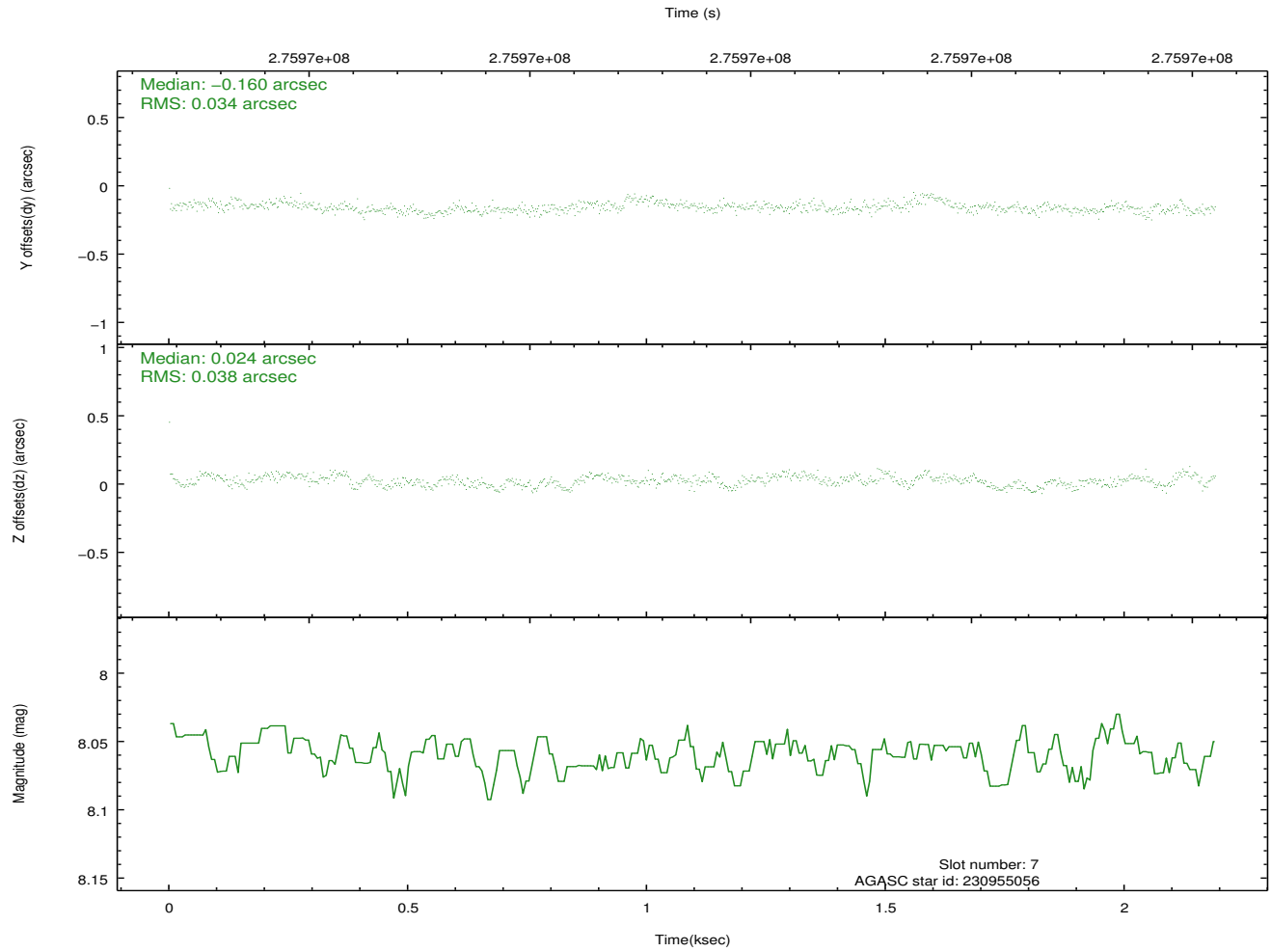
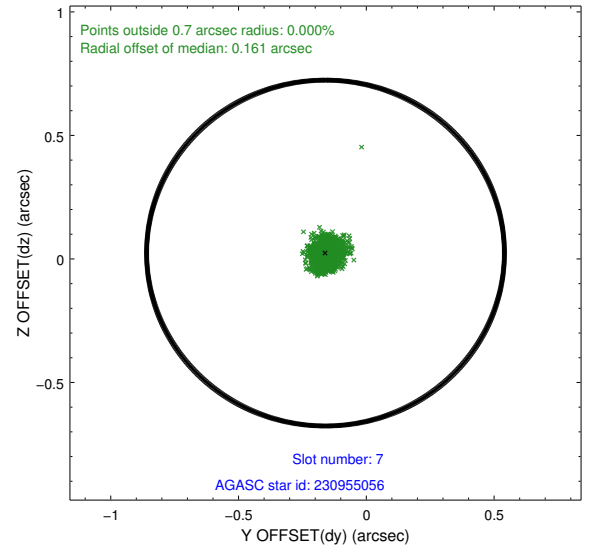
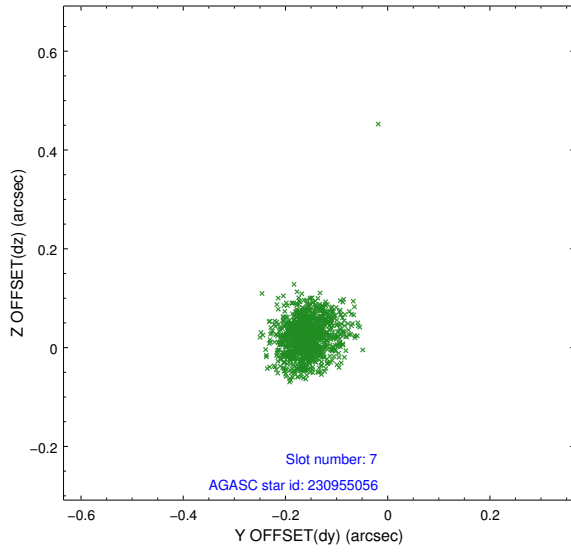
2.4.3 Slot 5



2.4.4 Slot 6

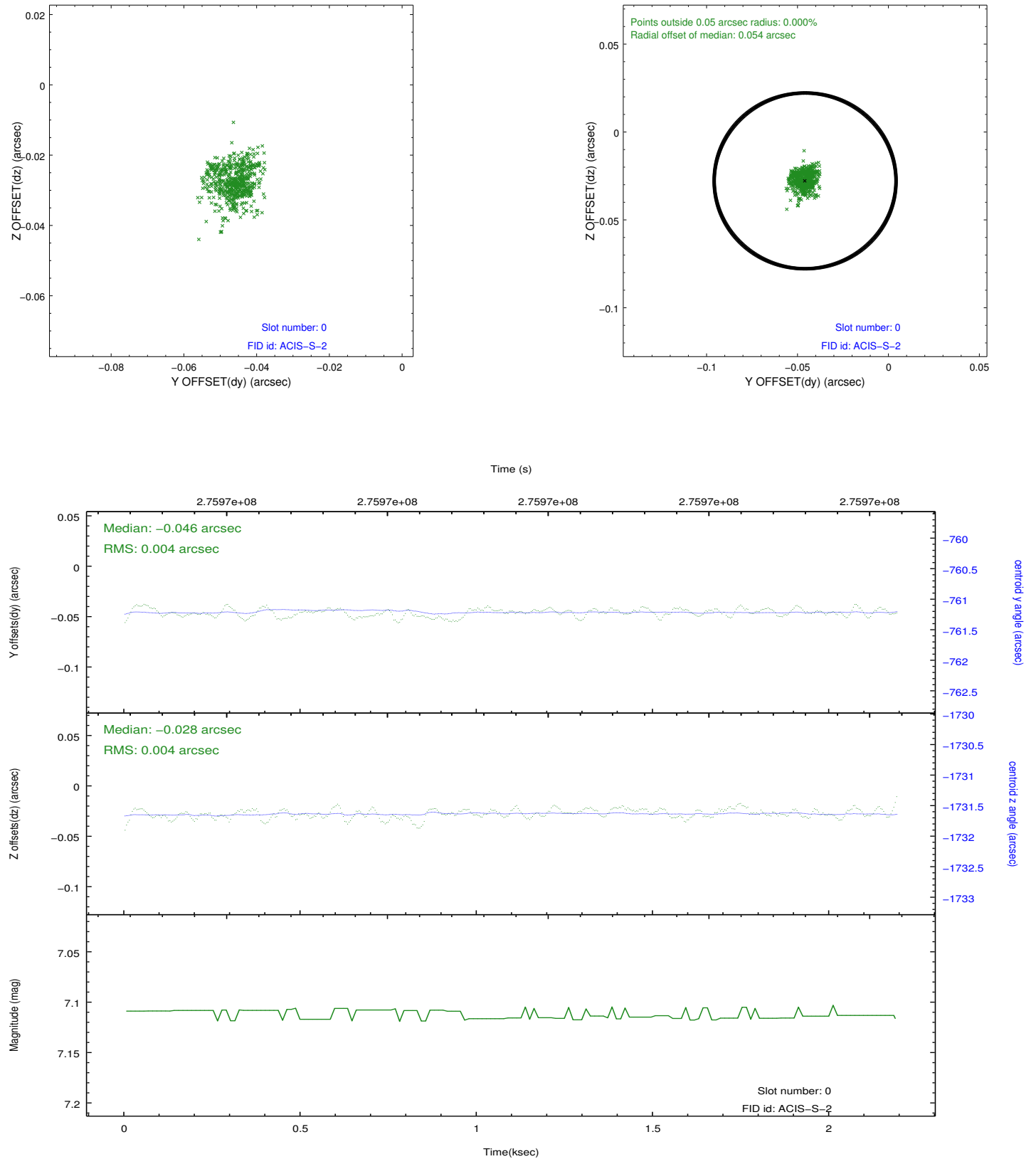


2.4.5 Slot 7

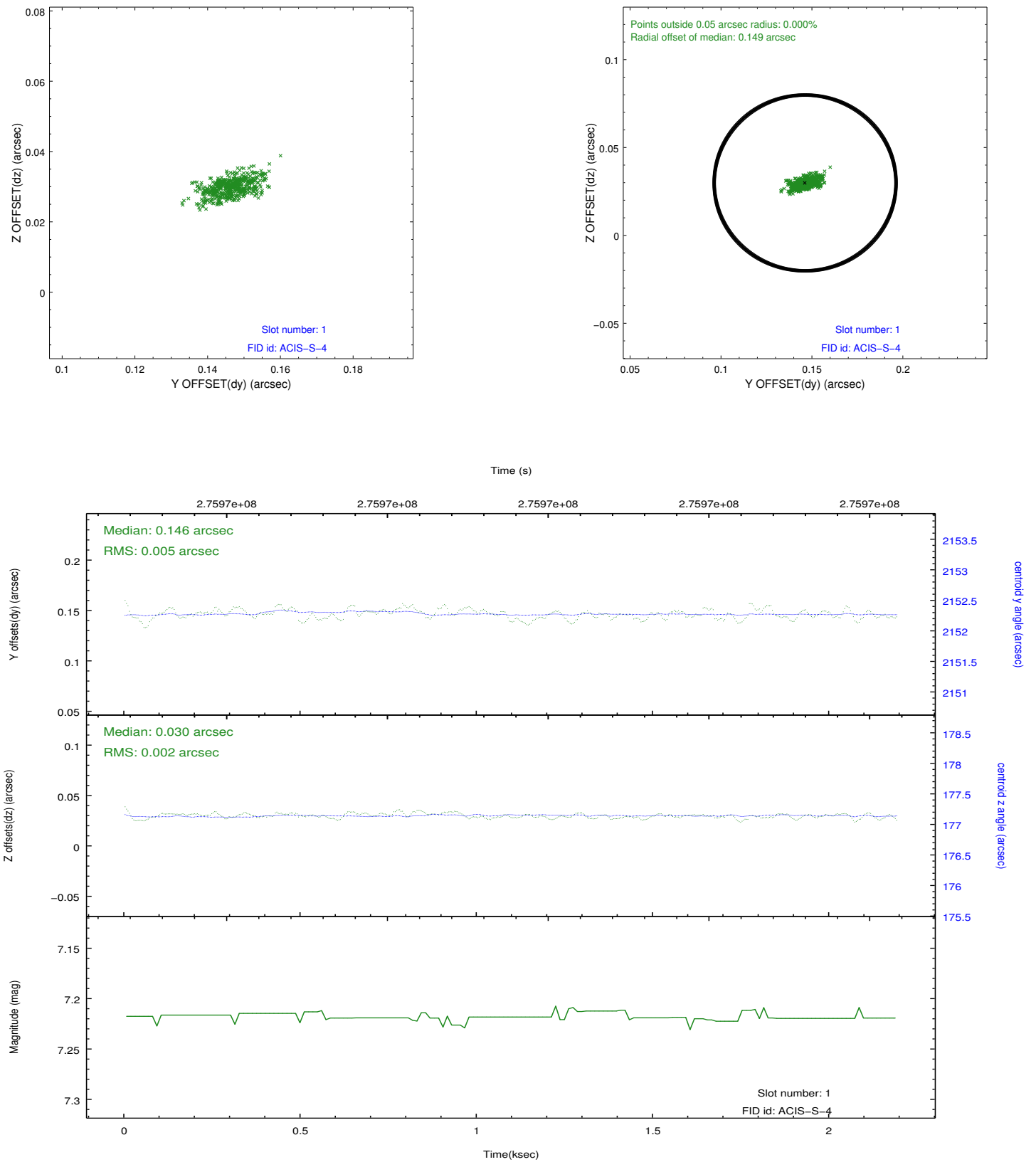


2.5 FID Slots

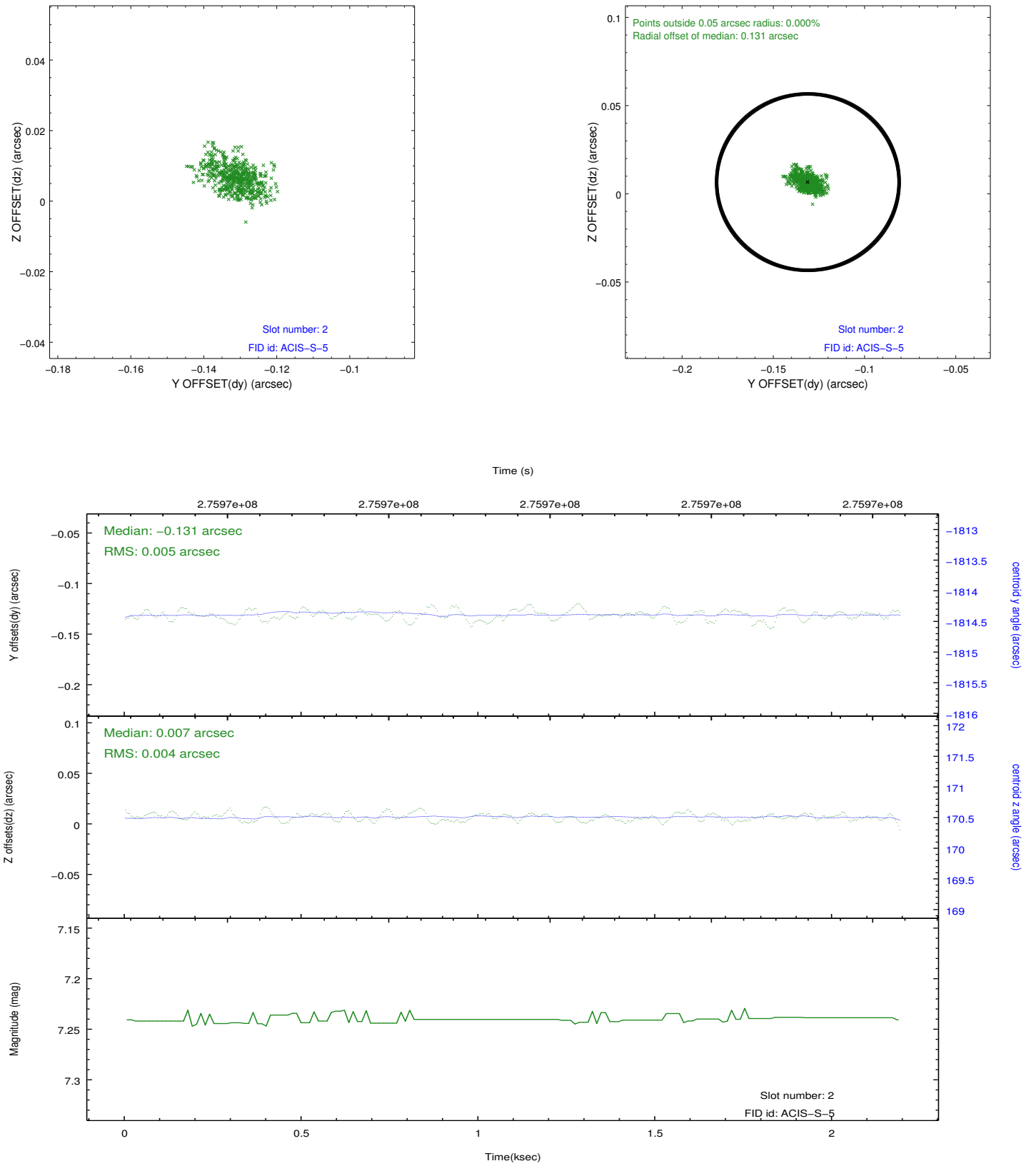
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18239999

A.2 Comments