

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3160 - L2 Version 3
Chandra X-Ray Center

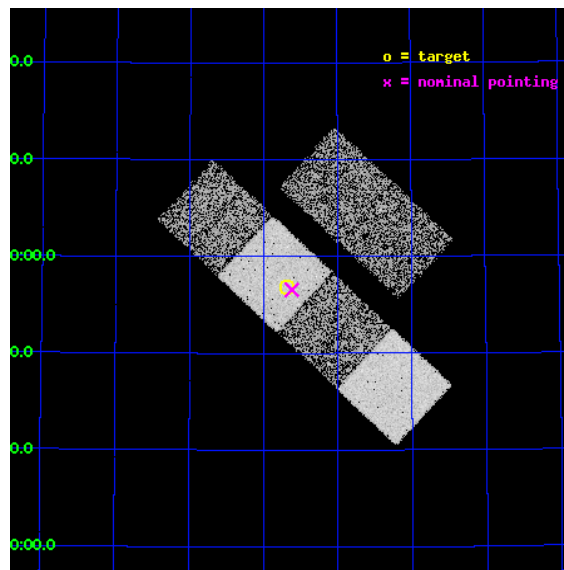
L2 Processing Date : Oct 9 2012

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1 Front

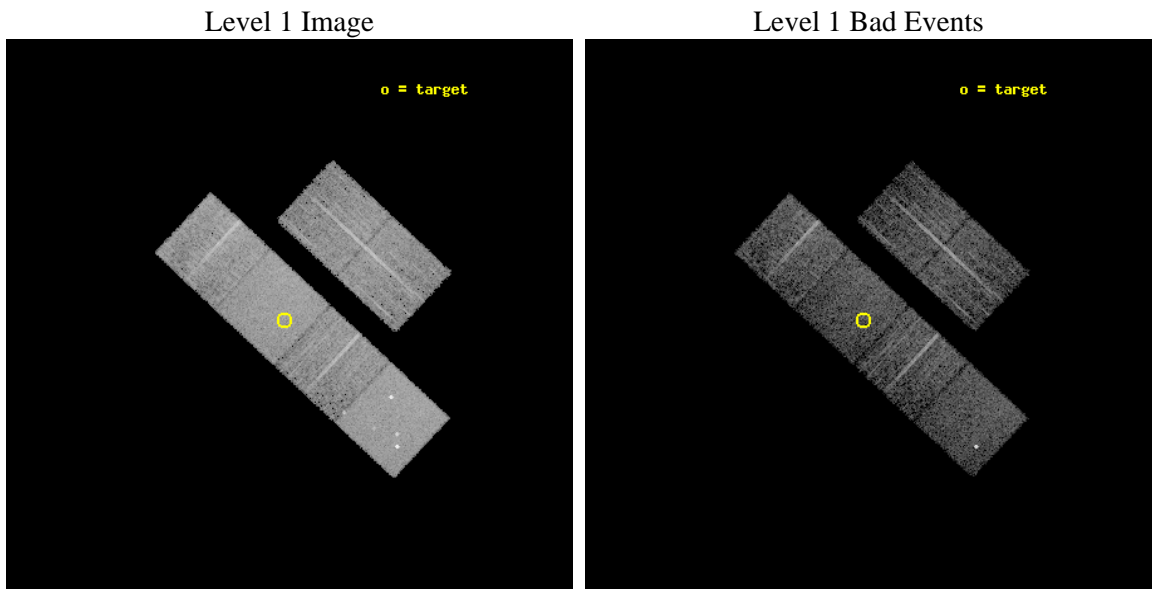
seq_num	700599	Sequence number
obs_id	3160	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal ti
observer	Professor Gordon Garmire	Principal investigator
object	PSS1443+5856	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	220.92	Observer's specified target RA [deg]
dec_targ	58.948056	Observer's specified target Dec [deg]
ra_nom	220.90435150245	Nominal RA [deg]
dec_nom	58.942770370296	Nominal Dec [deg]
roll_nom	223.00955213144	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5865.5999781489	Sum of GTIs [s]
livetime	5791.3262193853	Livetime [s]
ontime2	5865.5999781489	Sum of GTIs [s]
ontime3	5865.5999781489	Sum of GTIs [s]
ontime5	5865.5999781489	Sum of GTIs [s]
ontime6	5865.5999781489	Sum of GTIs [s]
ontime7	5865.5999781489	Sum of GTIs [s]
ontime8	5865.5999781489	Sum of GTIs [s]
l2events	59364	Number of level 2 events



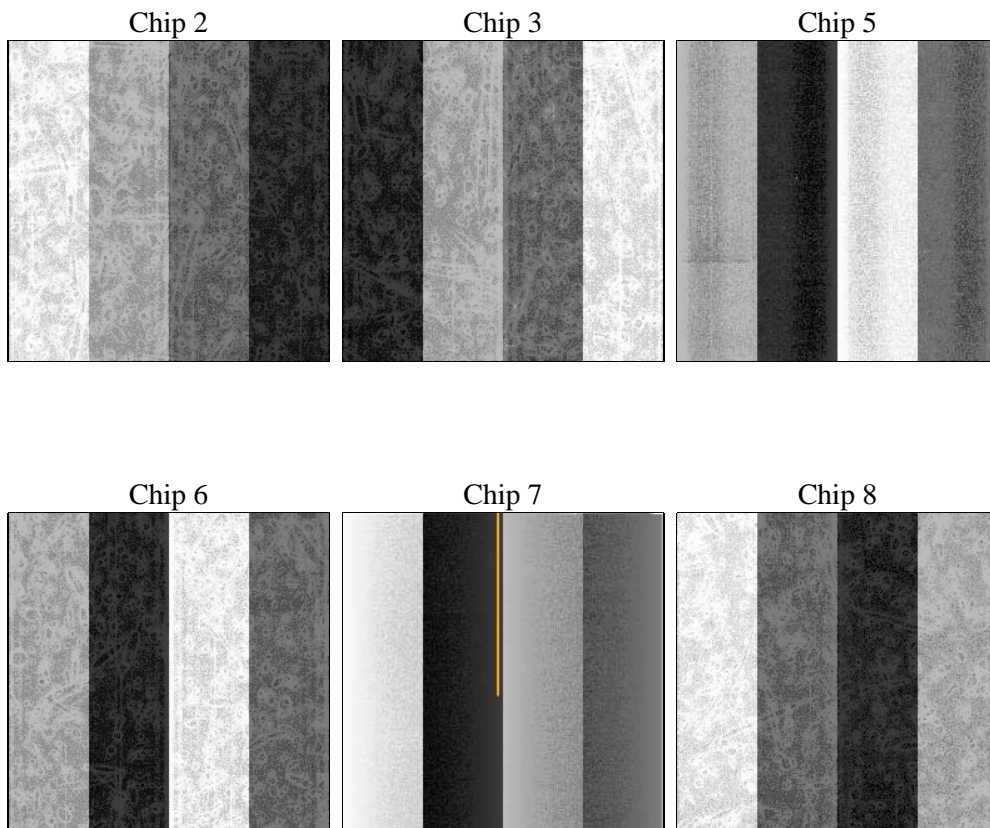
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5865.5999781489	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5865.5999781489	Sum of GTIs [s]
date	2012-10-09T04:54:12	Date and time of file creation	ontime3	5865.5999781489	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5865.5999781489	Sum of GTIs [s]
			ontime6	5865.5999781489	Sum of GTIs [s]
			ontime7	5865.5999781489	Sum of GTIs [s]
			ontime8	5865.5999781489	Sum of GTIs [s]
			l1events	267216	Number of level 1 events

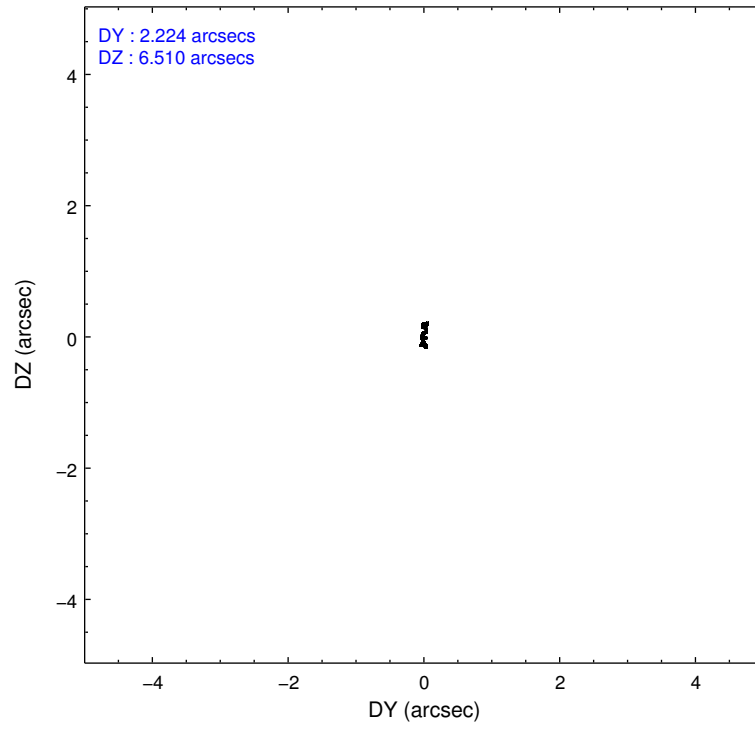
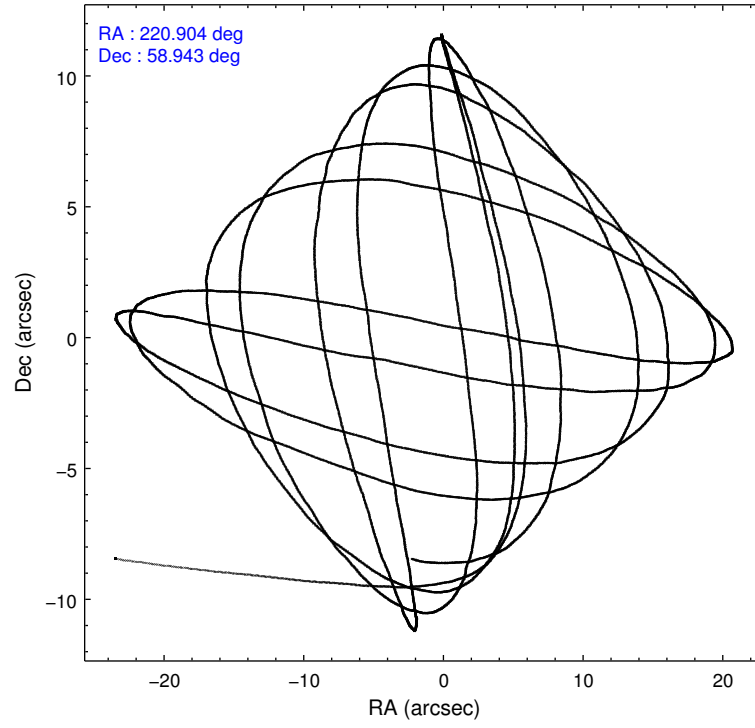
2.1.4 Events

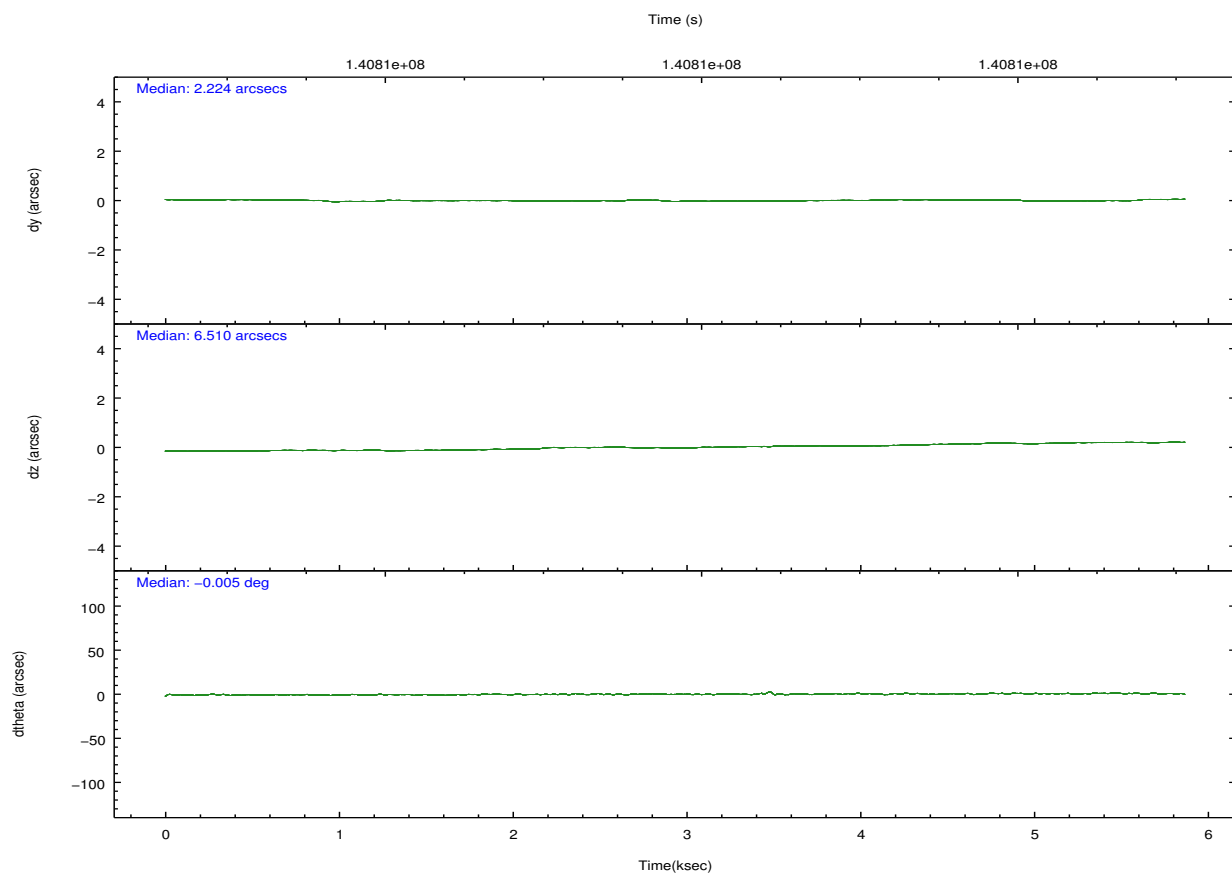
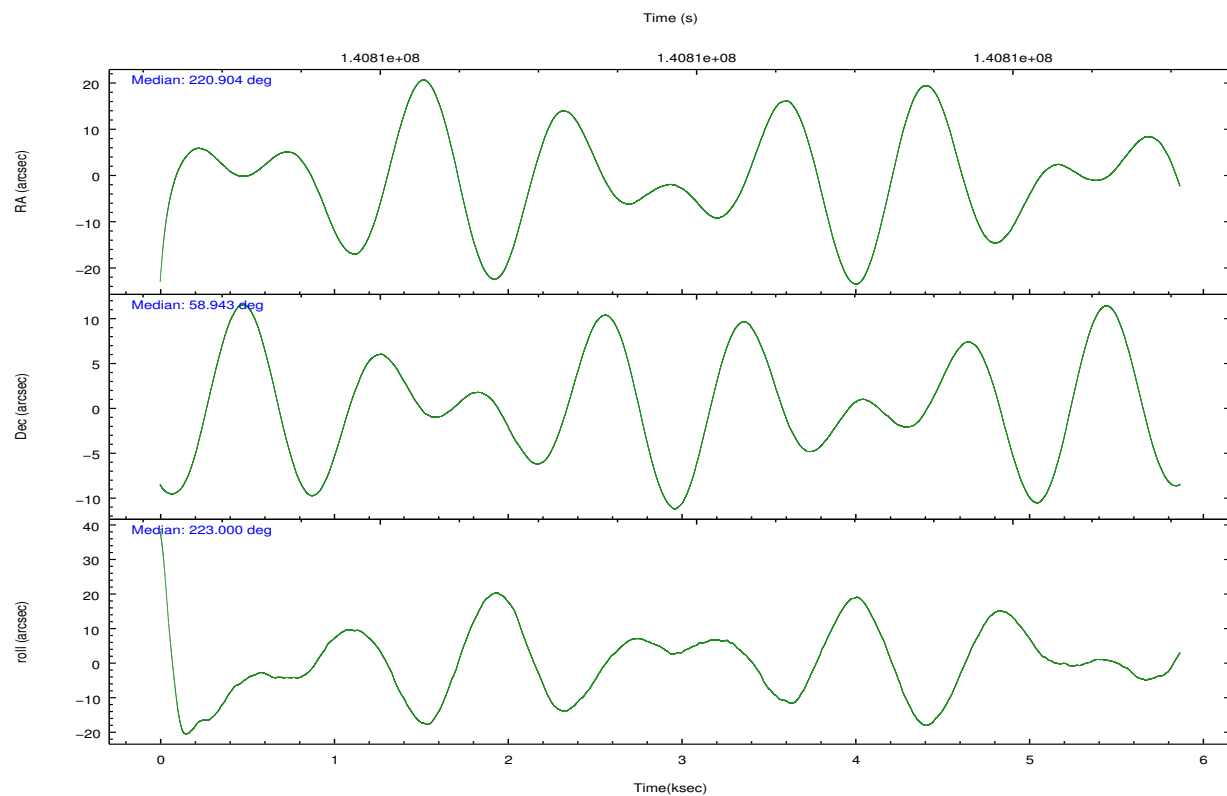
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37805	35844	56937	38182	50360	48088	grade 0 events	1807	1766	4254	2027	2086	3045
rejected events	33405	31651	30322	33497	29640	38018		4%	4%	7%	5%	4%	6%
rejected %	88%	88%	53%	87%	58%	79%	grade 1 events	18	16	1260	19	49	26
								0%	0%	2%	0%	0%	0%
							grade 2 events	982	843	7515	925	3987	2158
								2%	2%	13%	2%	7%	4%
							grade 3 events	397	405	931	439	1906	1129
								1%	1%	1%	1%	3%	2%
							grade 4 events	420	404	1039	448	1938	1067
								1%	1%	1%	1%	3%	2%
							grade 5 events	1356	1456	4009	1640	4782	2088
								3%	4%	7%	4%	9%	4%
							grade 6 events	803	779	12907	847	10830	2676
								2%	2%	22%	2%	21%	5%
							grade 7 events	32022	30175	25022	31837	24782	35899
								84%	84%	43%	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	220.919021	220.9043515024511	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.968956	58.94277037029603	Alternating exposures requested	N	N
[deg] Pointing Roll	222.840262	223.0095521314386	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	140807062.184000	140805997.60292			
Observation start date	2002-06-18T17:03:18	2002-06-18T16:46:37			
[s] Observation end time (MET)	140812762.184000	140813303.29072			
Observation end date	2002-06-18T18:38:18	2002-06-18T18:48:23			
Read mode	TIMED	TIMED			

2.3 Aspect



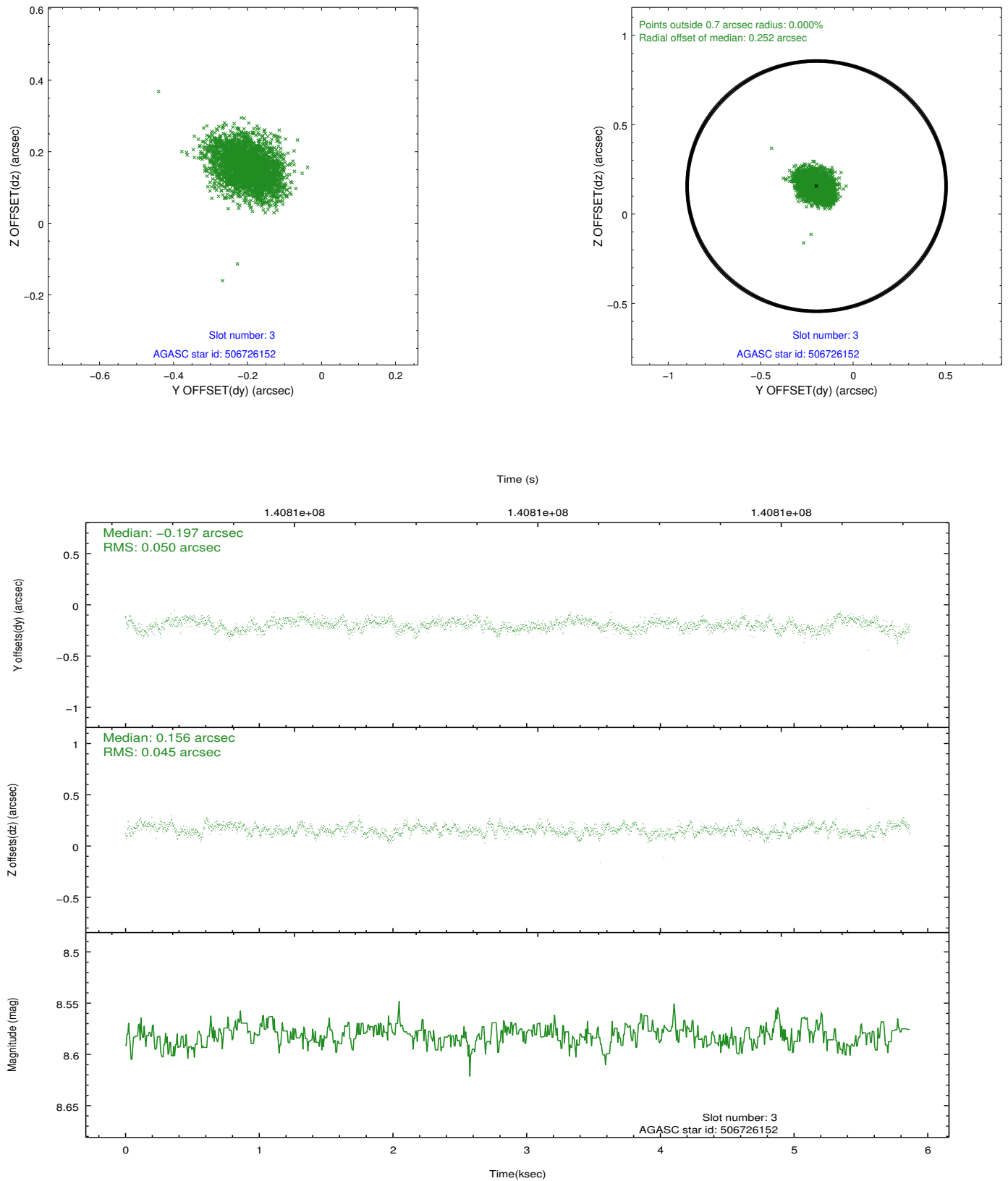


Slot Statistics

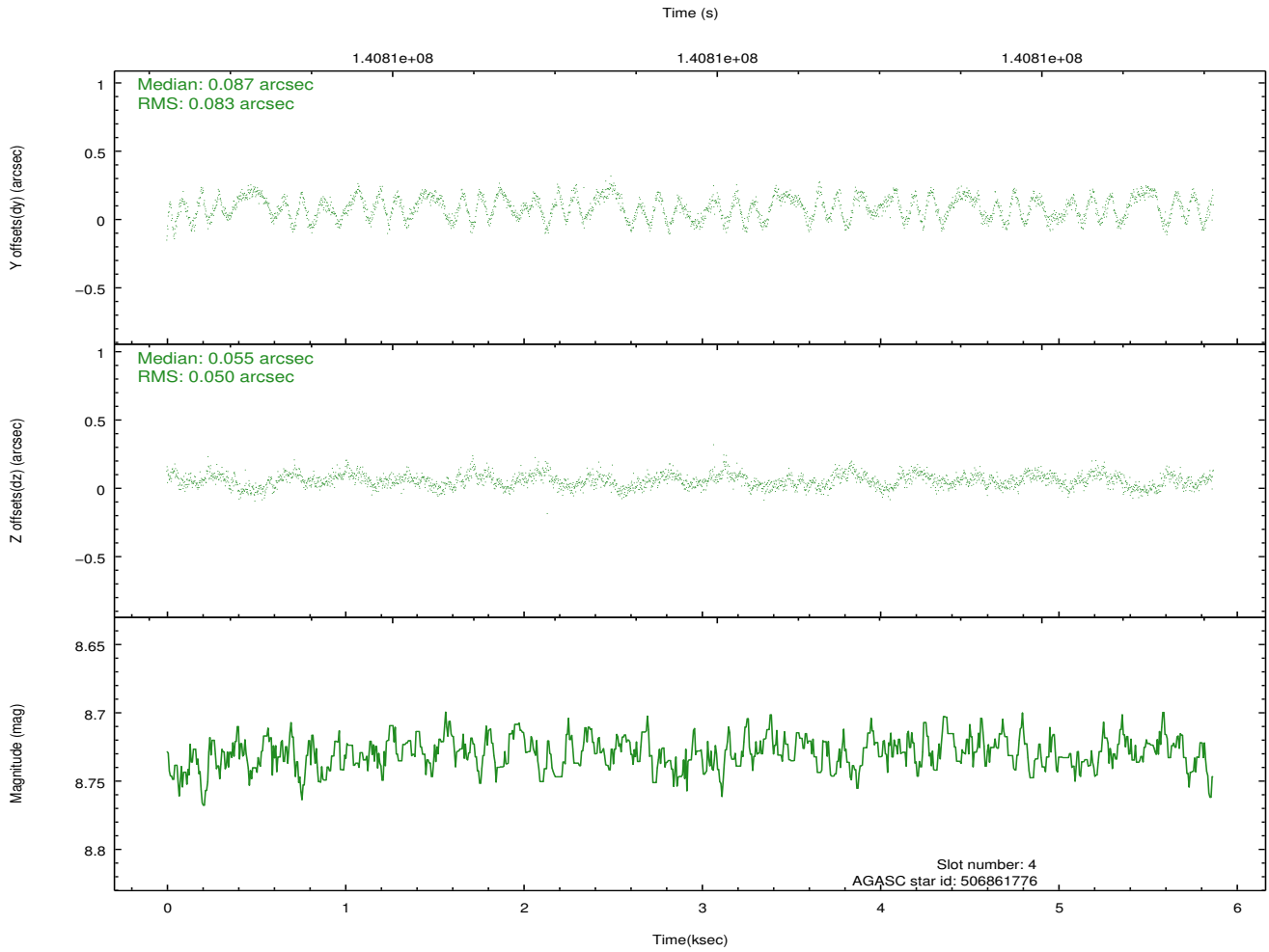
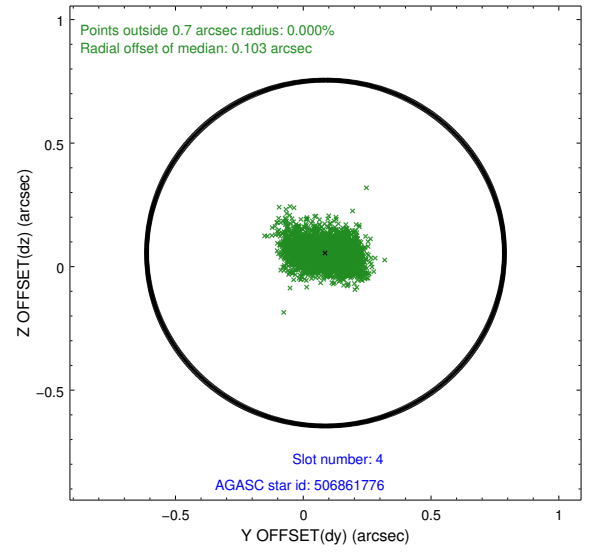
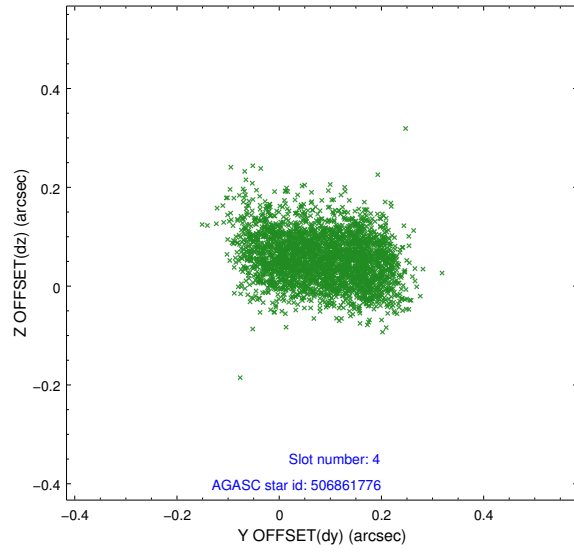
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1431	-0.034	0.013	0.008	0.012	0.000000	0.000000	-754.86	-1727.62
1	FID	ACIS-S-4	7.21	1431	-0.031	0.013	0.006	0.011	0.000000	0.000000	2157.94	179.86
2	FID	ACIS-S-5	7.24	1432	0.034	-0.017	0.007	0.011	0.000000	0.000000	-1806.35	174.60
3	GUIDE	506726152	8.58	2863	-0.197	0.156	0.072	0.114	220.029169	58.679632	1921.44	-375.73
4	GUIDE	506861776	8.73	2864	0.087	0.055	0.107	0.161	222.438135	58.830368	-1757.77	2266.99
5	GUIDE	506727144	9.37	2864	0.128	-0.190	0.079	0.131	221.102668	58.888866	-55.43	444.81
6	GUIDE	506727056	9.76	2861	-0.078	0.038	0.151	0.233	221.459289	58.586221	190.28	1697.65
7	GUIDE	506729168	9.59	2856	0.070	-0.056	0.110	0.181	220.527224	58.850252	824.16	-182.80

2.4 Star Slots

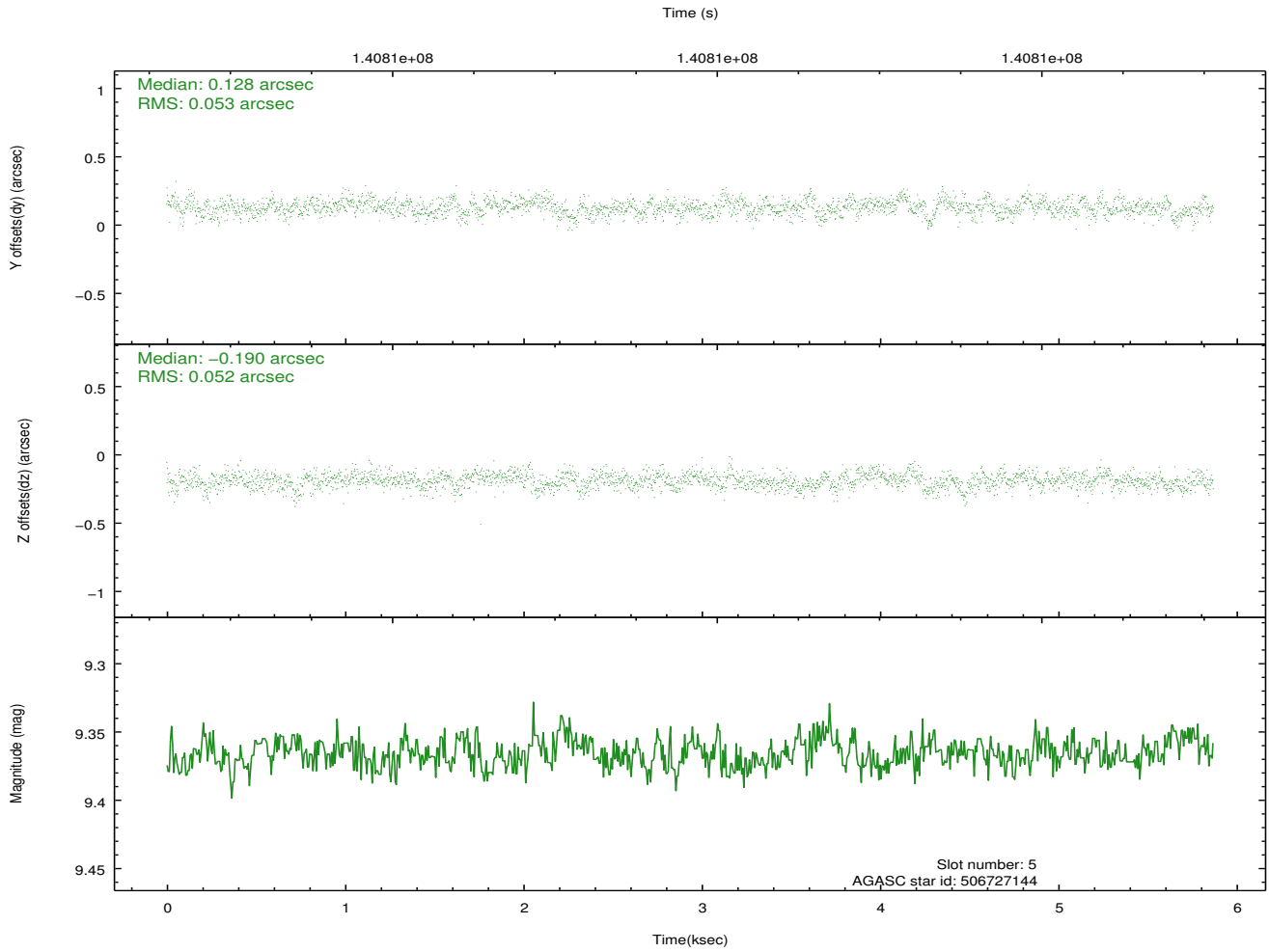
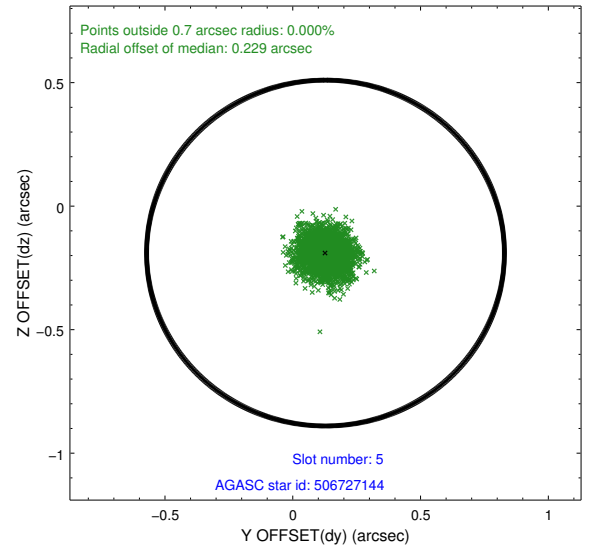
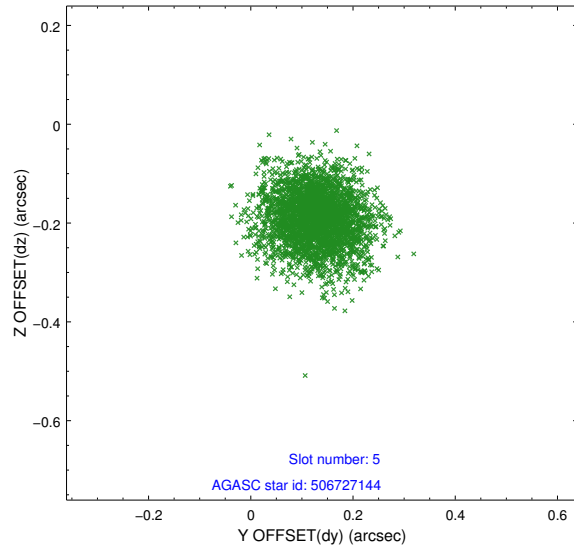
2.4.1 Slot 3



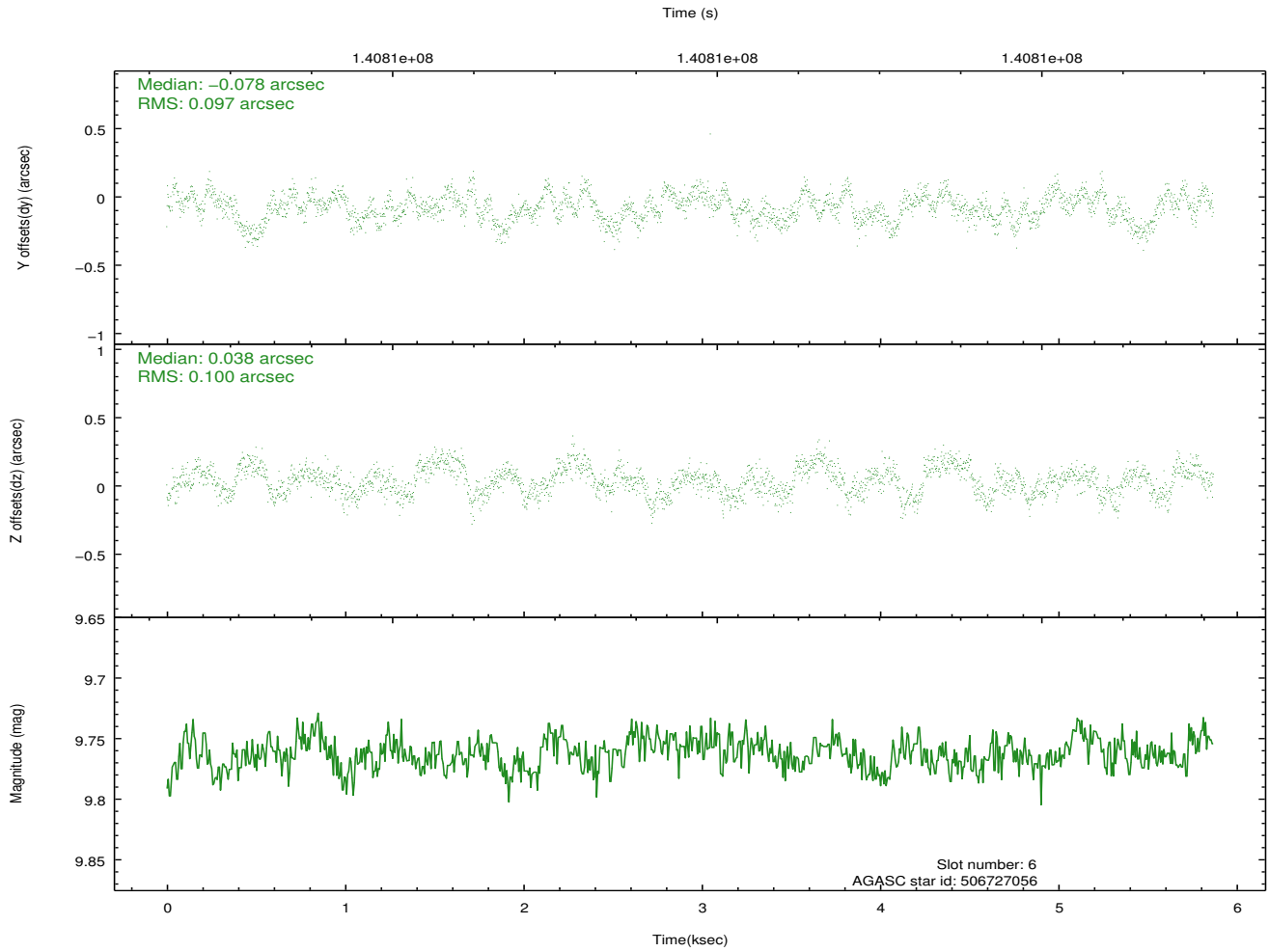
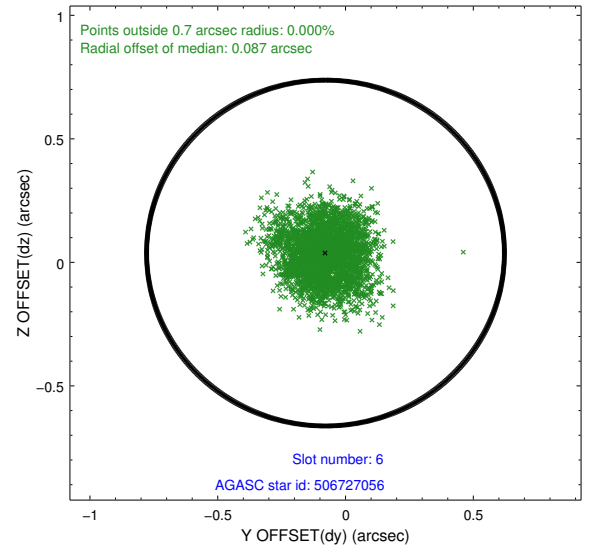
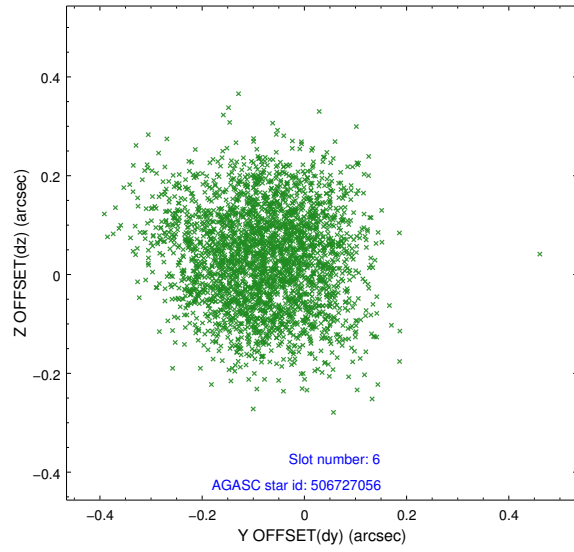
2.4.2 Slot 4



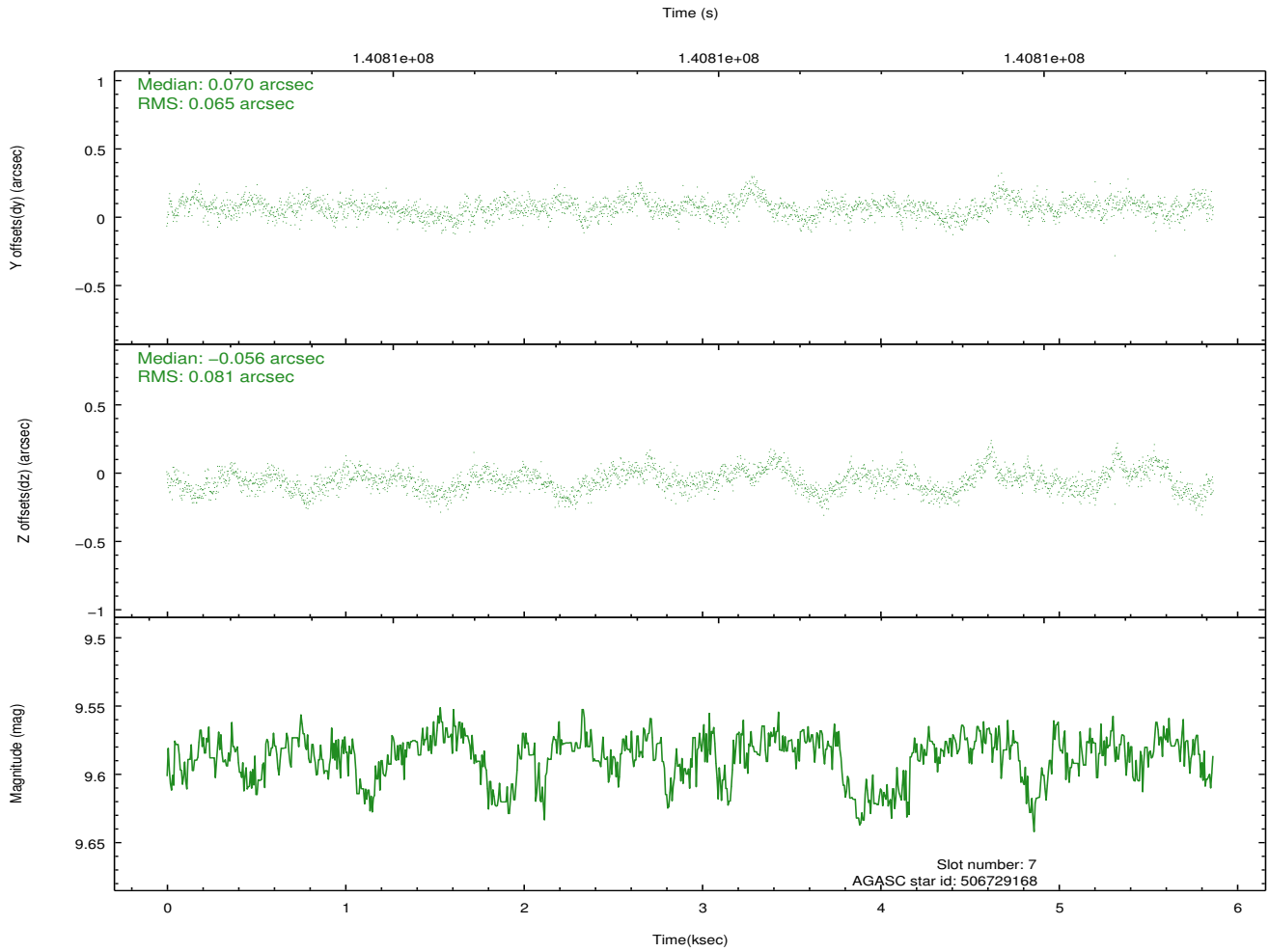
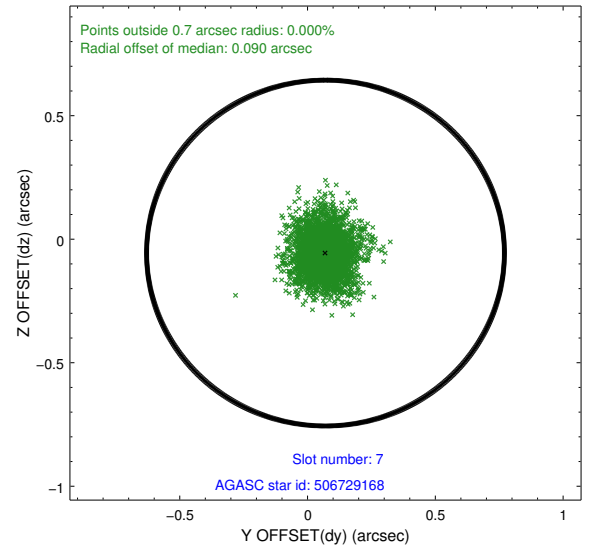
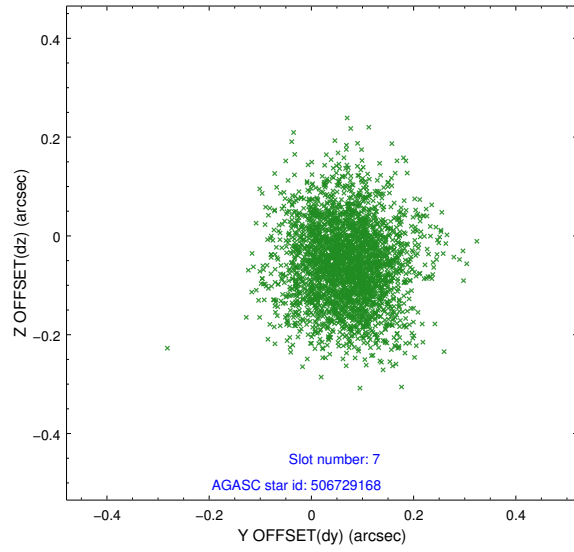
2.4.3 Slot 5



2.4.4 Slot 6

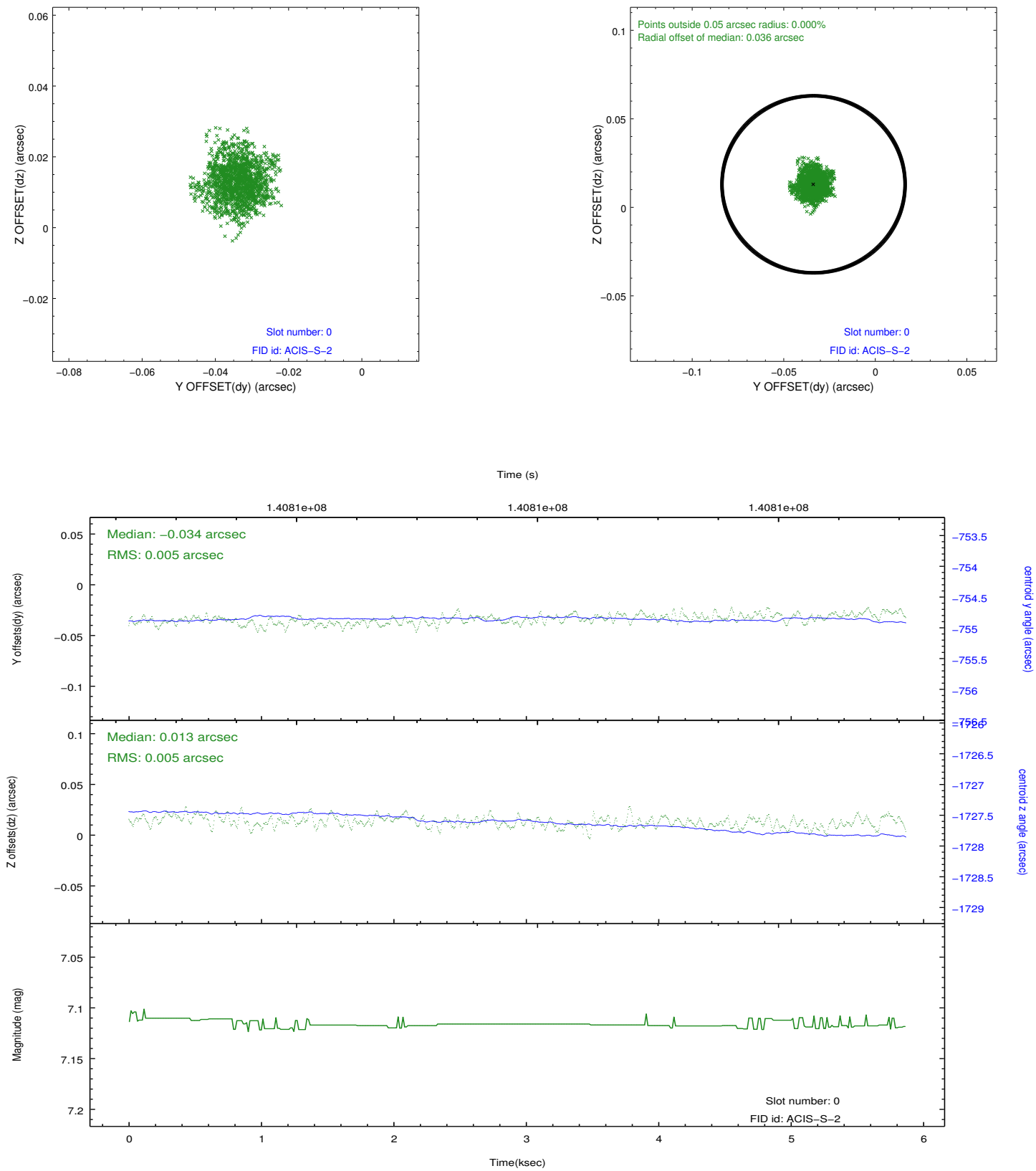


2.4.5 Slot 7

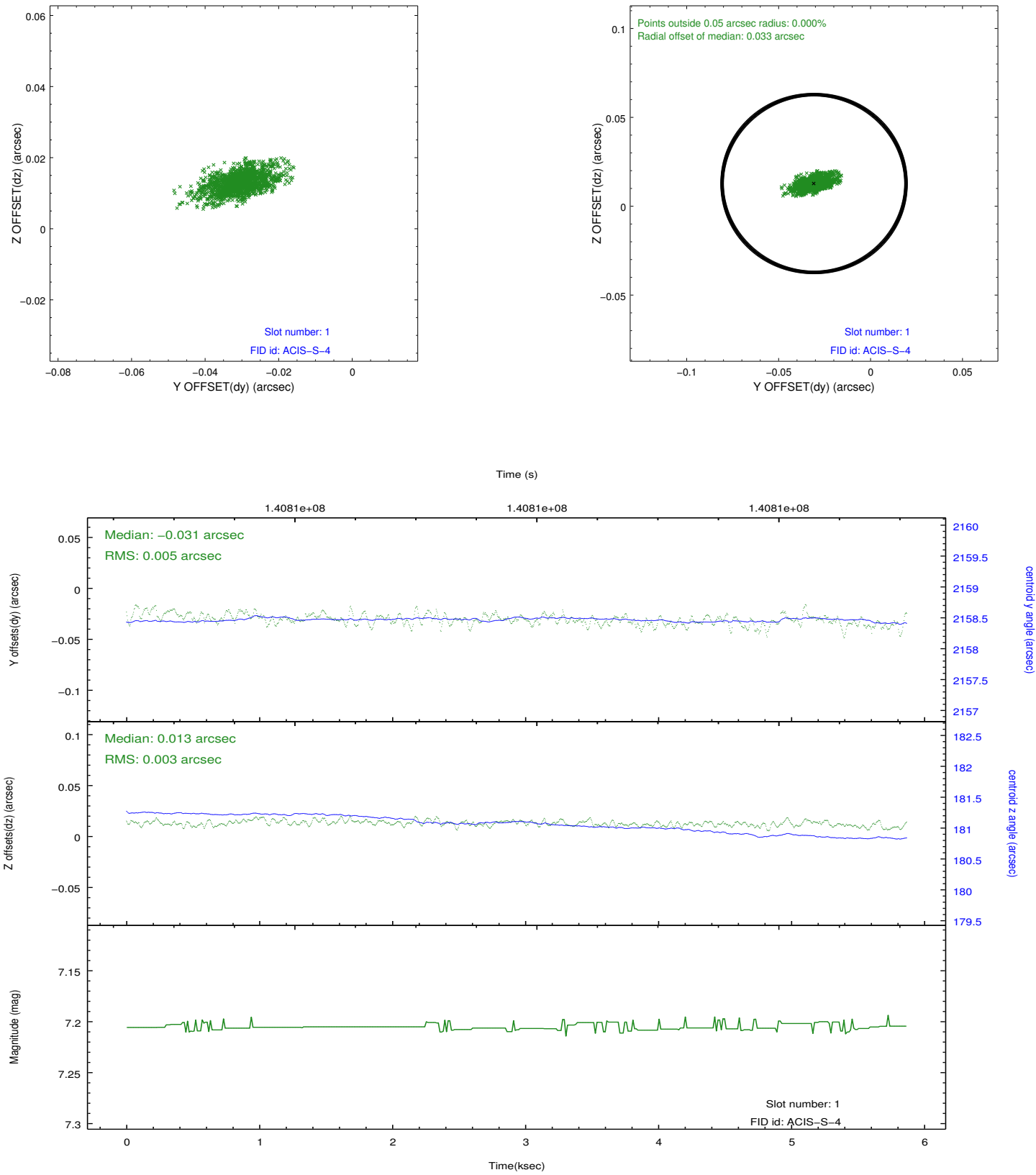


2.5 FID Slots

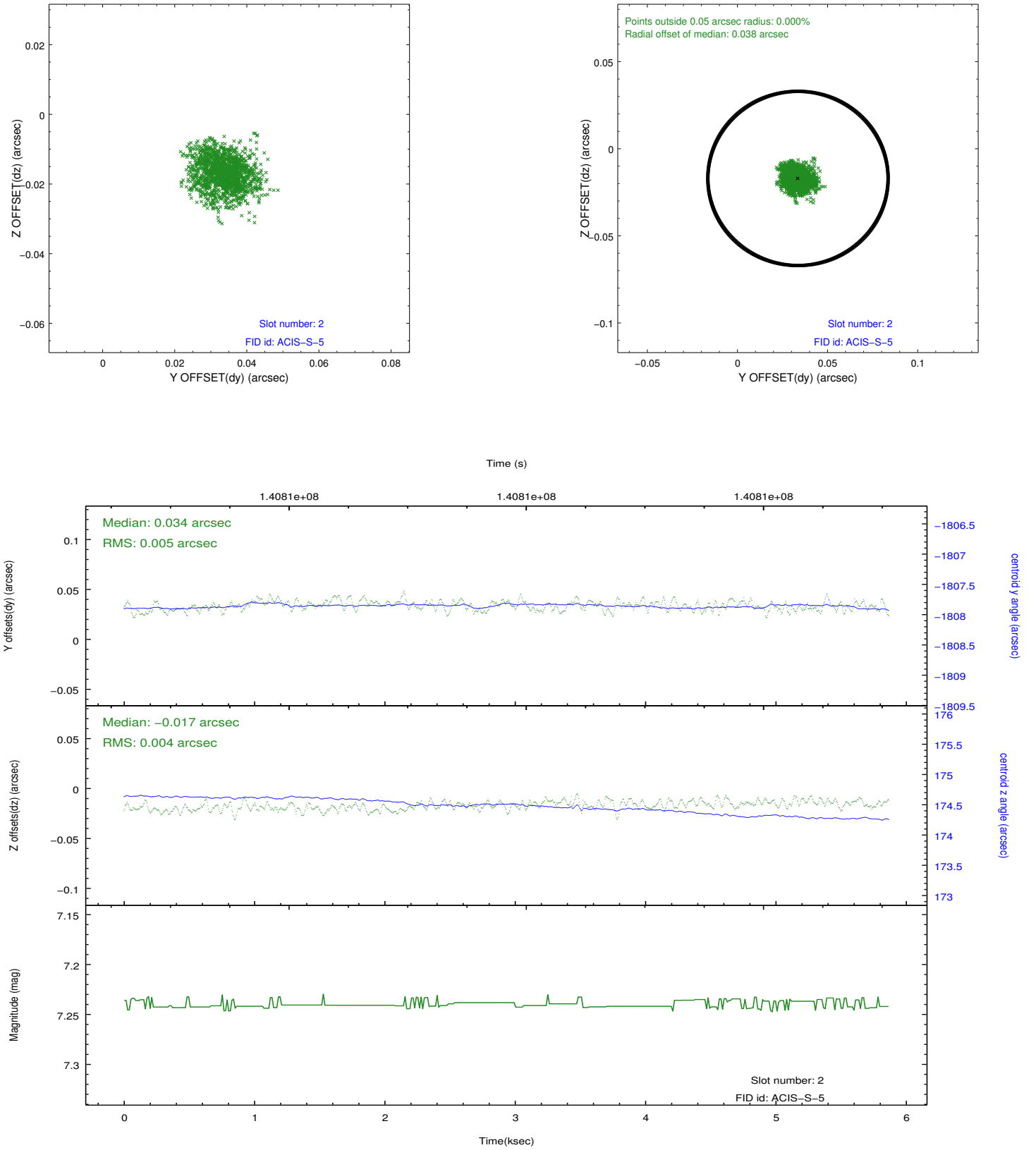
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.865

A.2 Comments