

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2100 - L2 Version 3
Chandra X-Ray Center

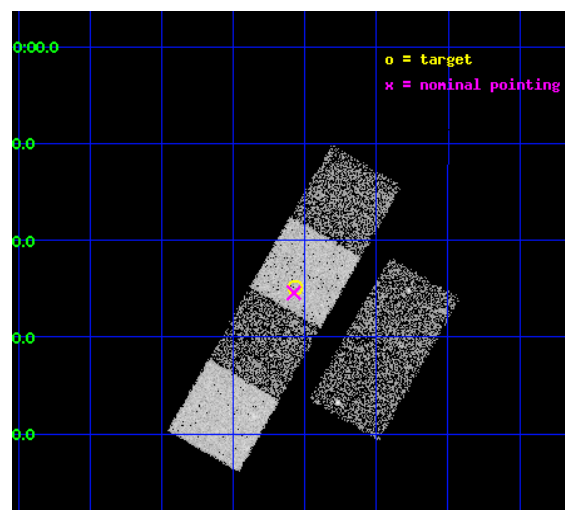
L2 Processing Date : Sep 26 2012

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1 Front

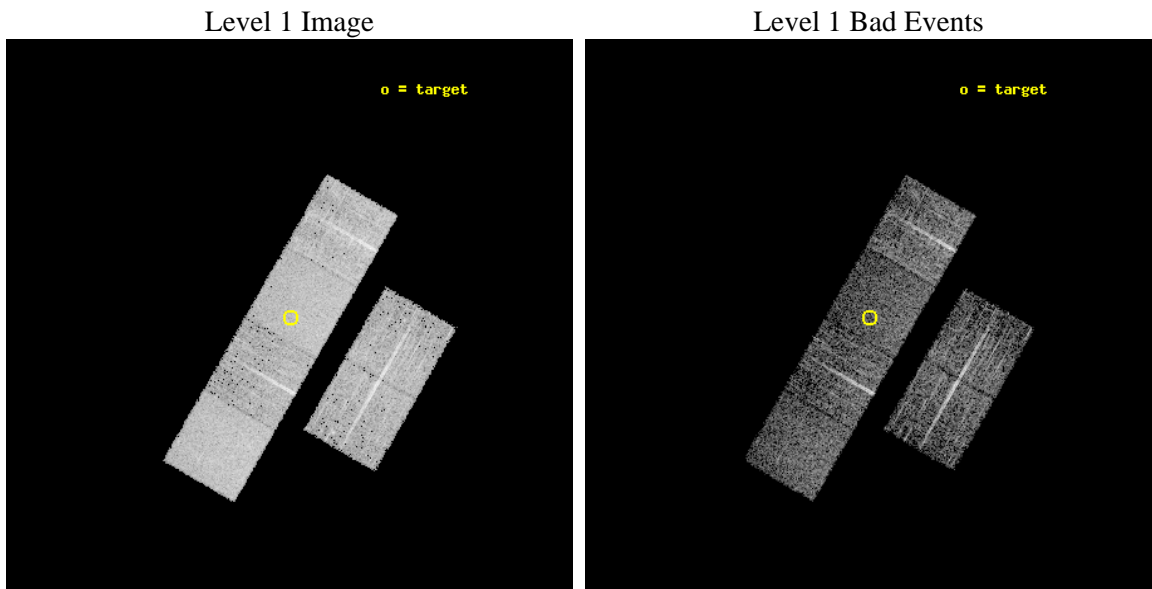
seq_num	700290	Sequence number
obs_id	2100	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOs FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 0025-0151	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.890833	Observer's specified target RA [deg]
dec_targ	-1.581278	Observer's specified target Dec [deg]
ra_nom	6.8941005335765	Nominal RA [deg]
dec_nom	-1.5904054409431	Nominal Dec [deg]
roll_nom	300.00005303158	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4752.0000044107	Sum of GTIs [s]
livetime	4691.827319044	Livetime [s]
ontime2	4752.0000044107	Sum of GTIs [s]
ontime3	4752.0000044107	Sum of GTIs [s]
ontime5	4752.0000044107	Sum of GTIs [s]
ontime6	4752.0000044107	Sum of GTIs [s]
ontime7	4752.0000044107	Sum of GTIs [s]
ontime8	4748.7590441704	Sum of GTIs [s]
l2events	46590	Number of level 2 events



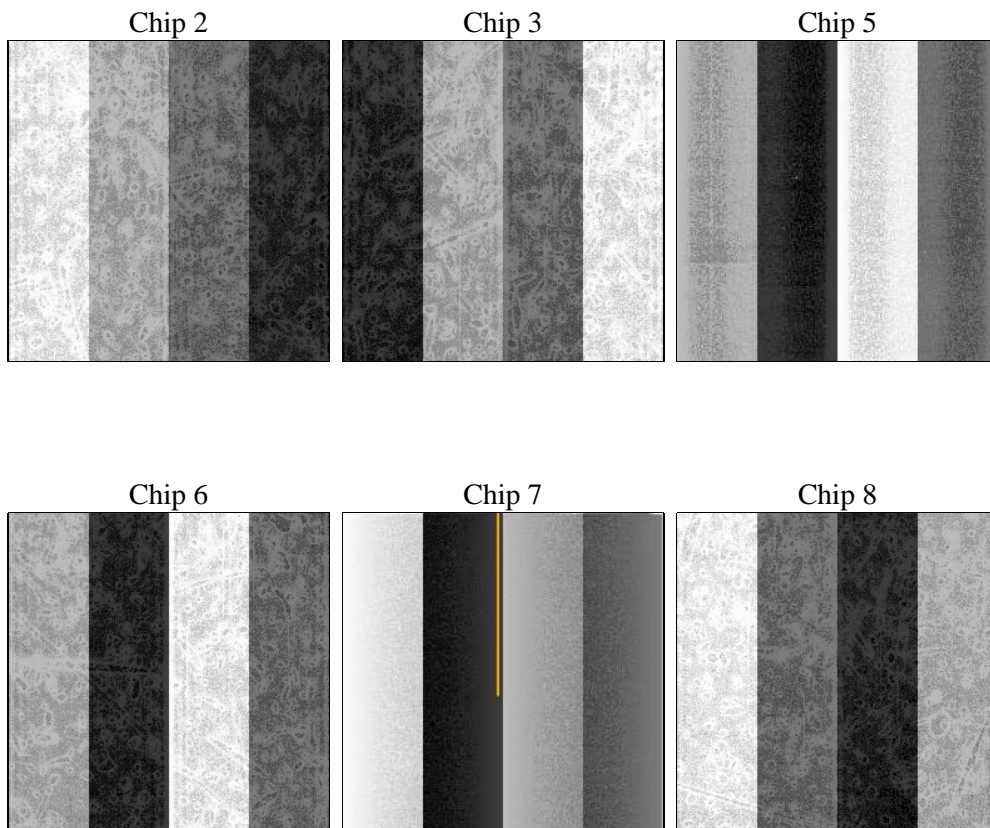
2 OBI

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	4752.0000044107	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4752.0000044107	Sum of GTIs [s]
date	2012-09-26T02:32:02	Date and time of file creation	ontime3	4752.0000044107	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4752.0000044107	Sum of GTIs [s]
			ontime6	4752.0000044107	Sum of GTIs [s]
			ontime7	4752.0000044107	Sum of GTIs [s]
			ontime8	4748.7590441704	Sum of GTIs [s]
			l1events	210957	Number of level 1 events

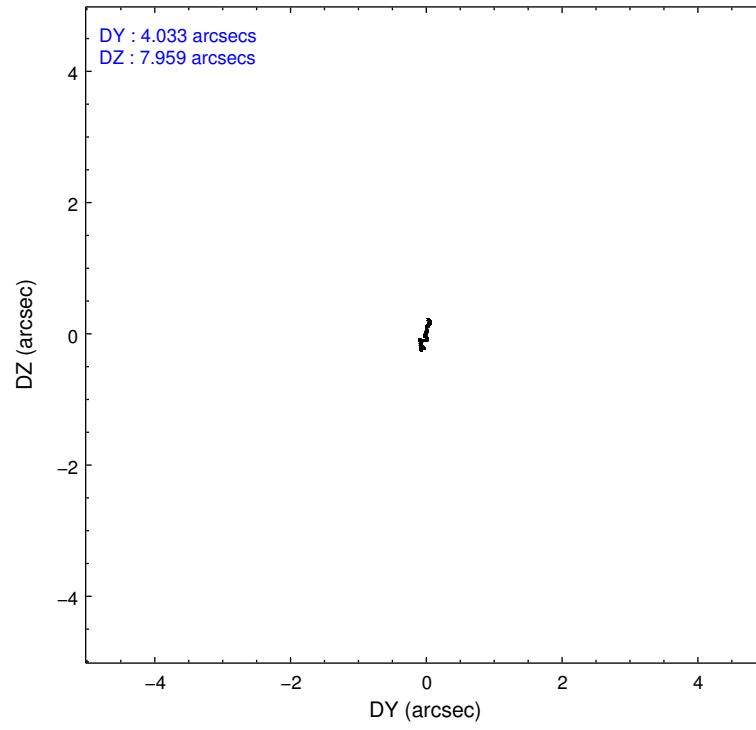
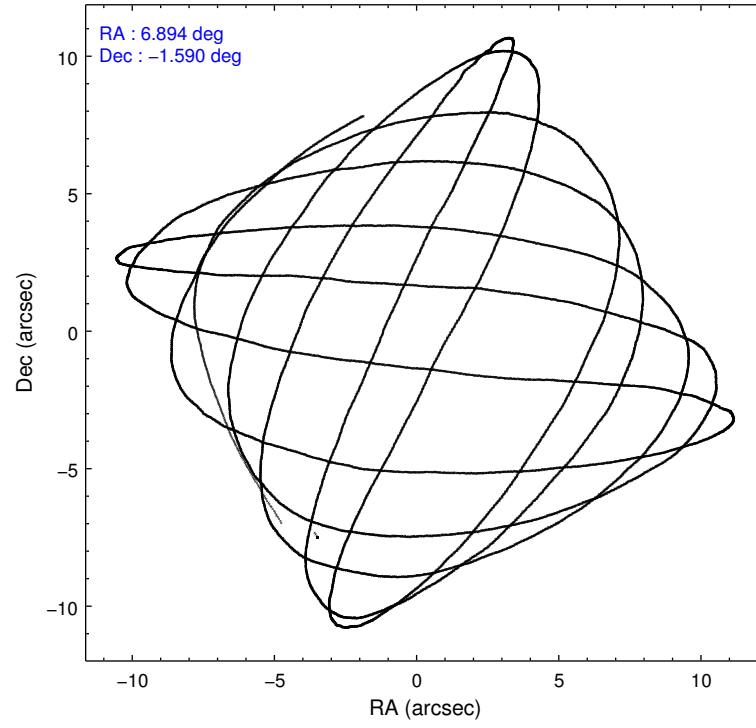
2.1.4 Events

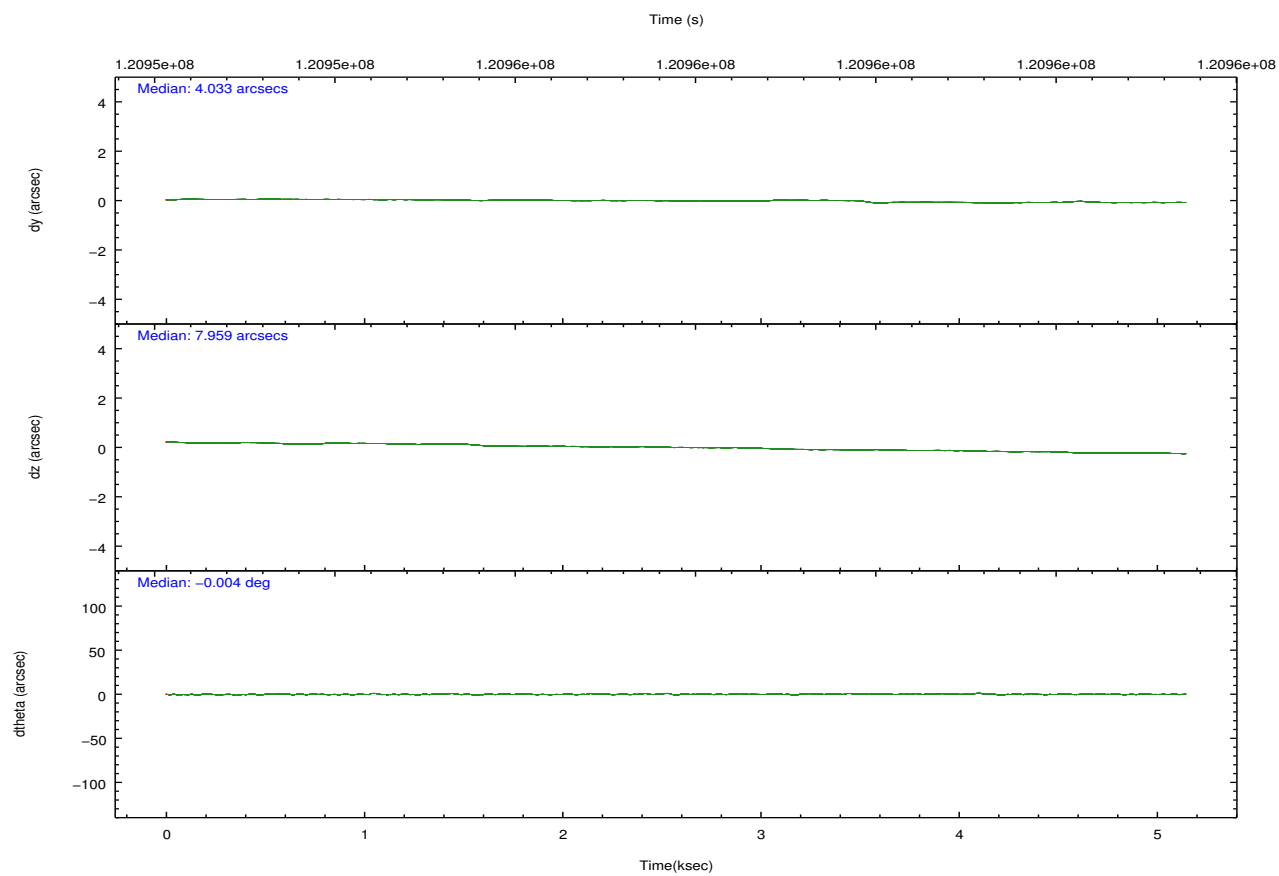
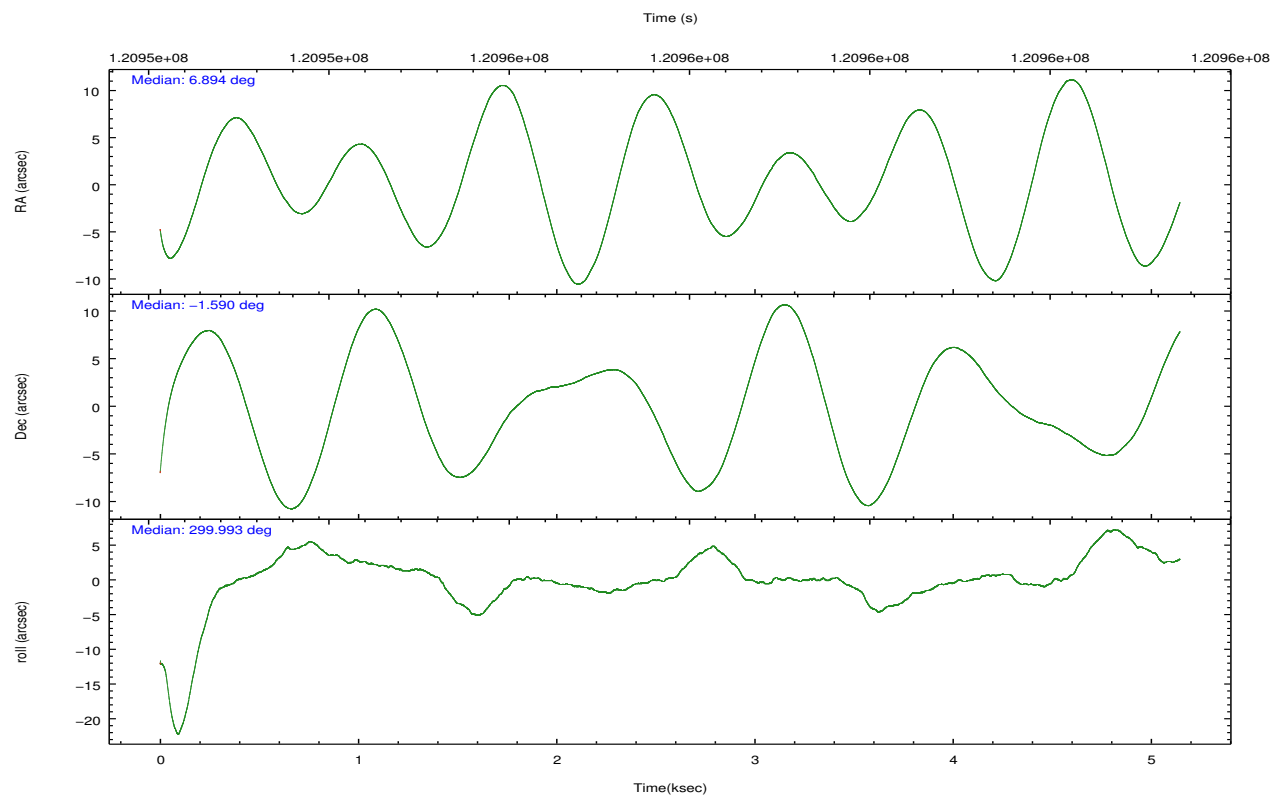
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30057	30226	42119	29194	38774	40587	grade 0 events	1481	1513	1340	1373	1473	2342
rejected events	26546	26625	23516	25762	22521	32873		4%	5%	3%	4%	3%	5%
rejected %	88%	88%	55%	88%	58%	80%	grade 1 events	14	14	44	16	33	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	768	724	5487	697	3229	1697
								2%	2%	13%	2%	8%	4%
							grade 3 events	330	380	814	344	1482	782
								1%	1%	1%	1%	3%	1%
							grade 4 events	313	364	756	333	1463	772
								1%	1%	1%	1%	3%	1%
							grade 5 events	1014	1183	3297	1297	3679	1592
								3%	3%	7%	4%	9%	3%
							grade 6 events	623	625	10235	691	8628	2129
								2%	2%	24%	2%	22%	5%
							grade 7 events	25514	25423	20146	24443	18787	31244
								84%	84%	47%	83%	48%	76%

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	6.870348	6.894100533576534	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.577078	-1.590405440943107	Alternating exposures requested	N	N
[deg] Pointing Roll	299.842739	300.0000530315817	[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)	120953464.184000	120952448.92573			
Observation start date	2001-10-31T22:10:00	2001-10-31T21:54:08			
[s] Observation end time (MET)	120958464.184000	120959360.501			
Observation end date	2001-10-31T23:33:20	2001-10-31T23:49:20			
Read mode	TIMED	TIMED			

2.3 Aspect



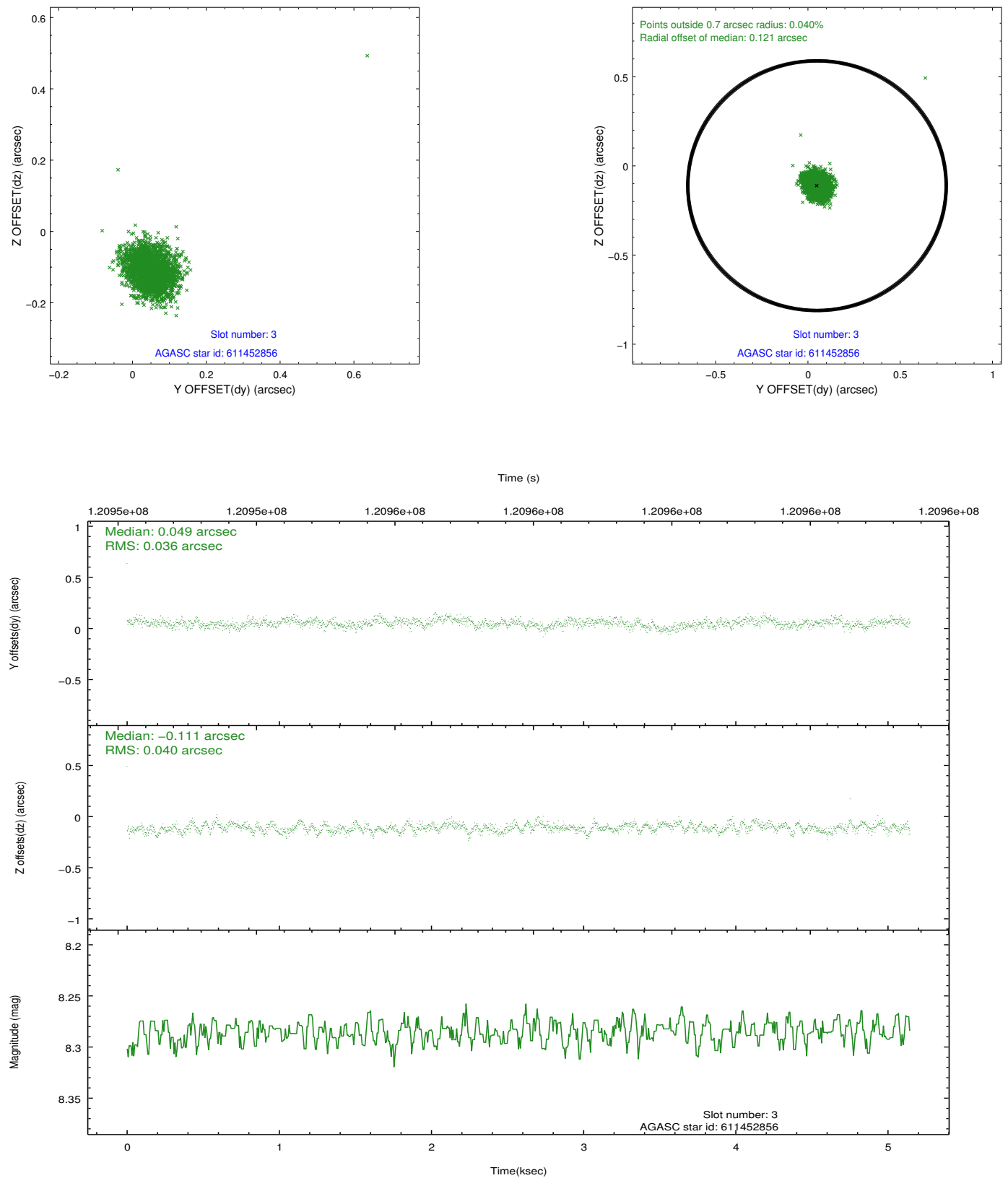


Slot Statistics

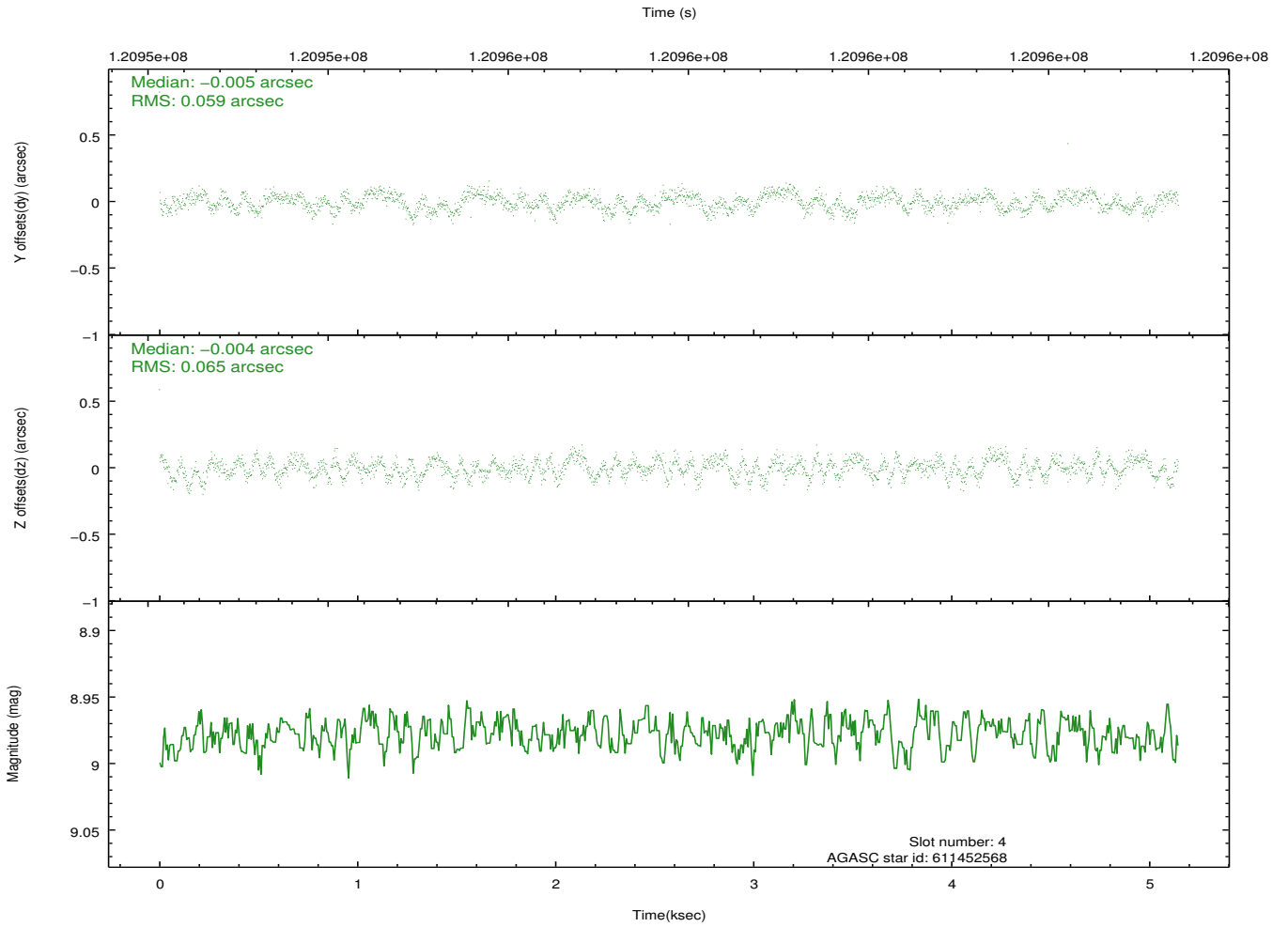
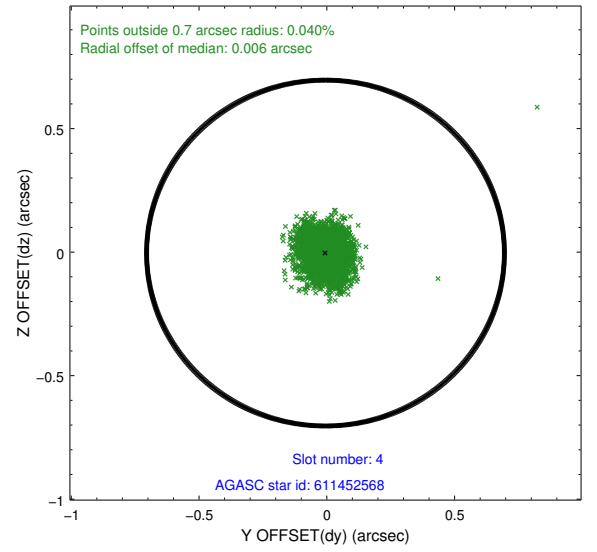
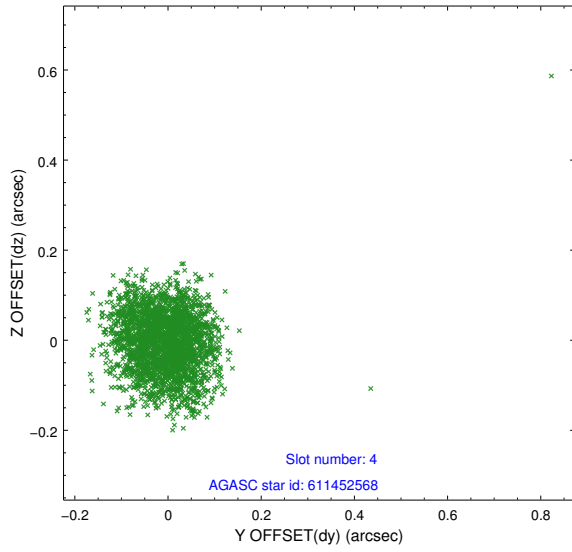
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1256	-0.005	-0.014	0.008	0.013	0.000000	0.000000	-756.71	-1729.15
1	FID	ACIS-S-4	7.20	1256	-0.002	0.006	0.006	0.011	0.000000	0.000000	2156.05	178.12
2	FID	ACIS-S-5	7.24	1256	-0.024	0.016	0.007	0.012	0.000000	0.000000	-1808.04	173.17
3	GUIDE	611452856	8.29	2511	0.049	-0.111	0.054	0.088	6.980386	-1.681637	523.59	156.02
4	GUIDE	611452568	8.98	2511	-0.005	-0.004	0.092	0.143	6.308705	-1.833133	-205.37	-2211.80
5	GUIDE	611456600	8.78	2511	-0.079	0.023	0.067	0.109	6.721343	-0.929687	-2288.61	693.36
6	GUIDE	611456000	10.02	2507	0.007	-0.034	0.123	0.200	6.481161	-1.475710	-1014.19	-1033.31
7	GUIDE	611460544	10.15	2508	0.024	0.124	0.151	0.259	7.246288	-1.539123	554.31	1241.14

2.4 Star Slots

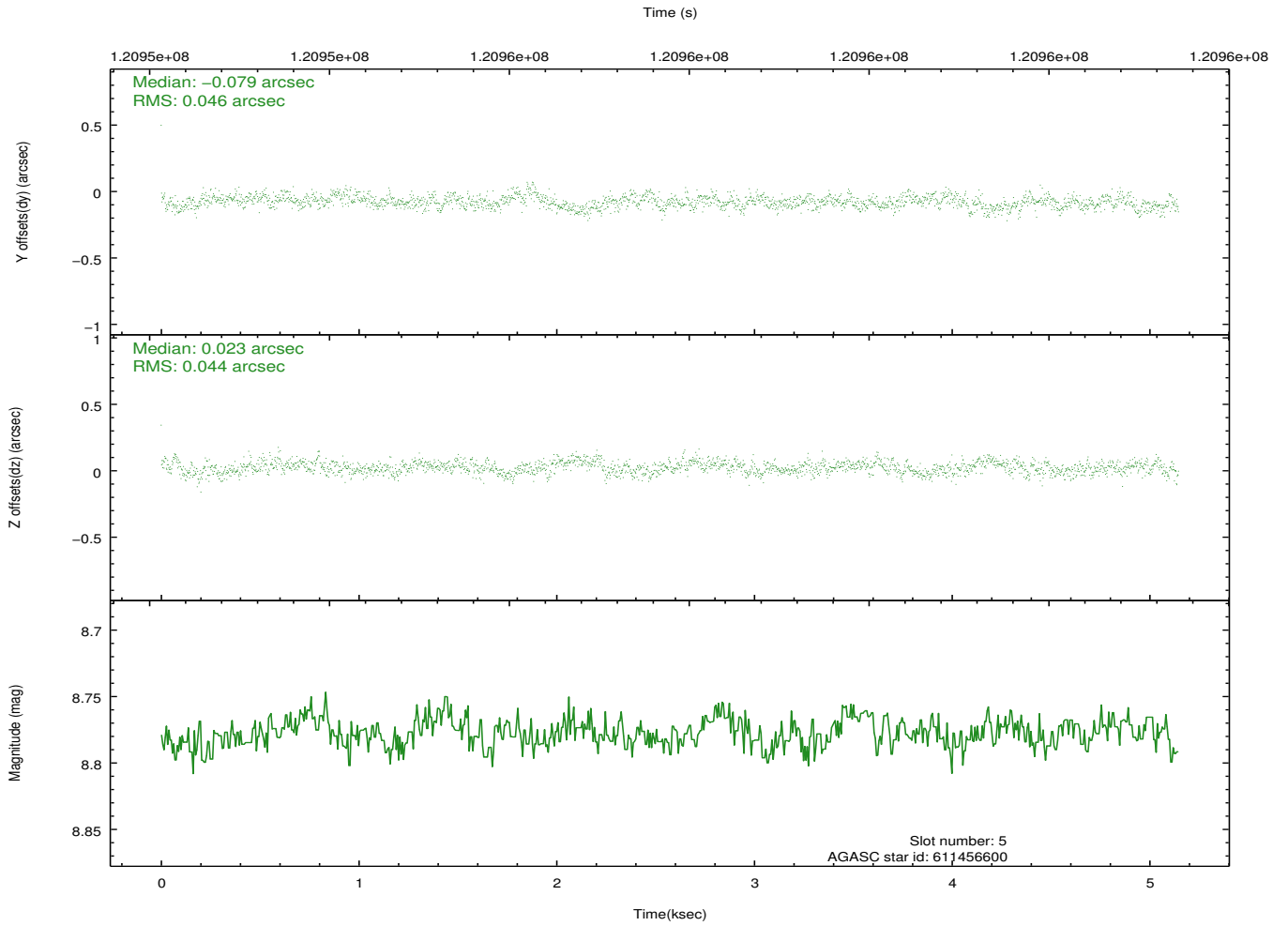
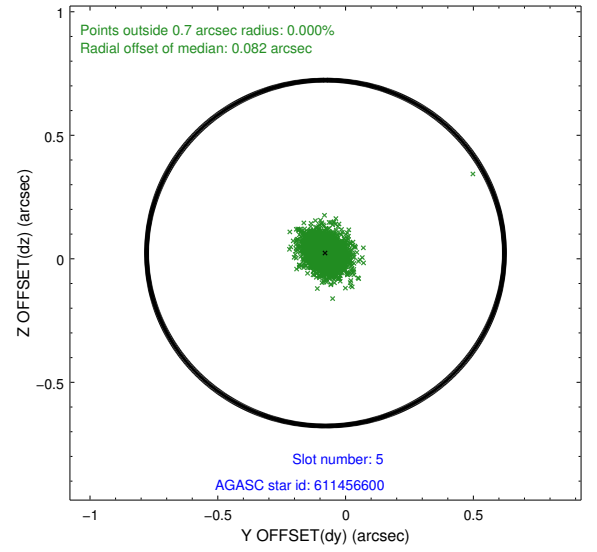
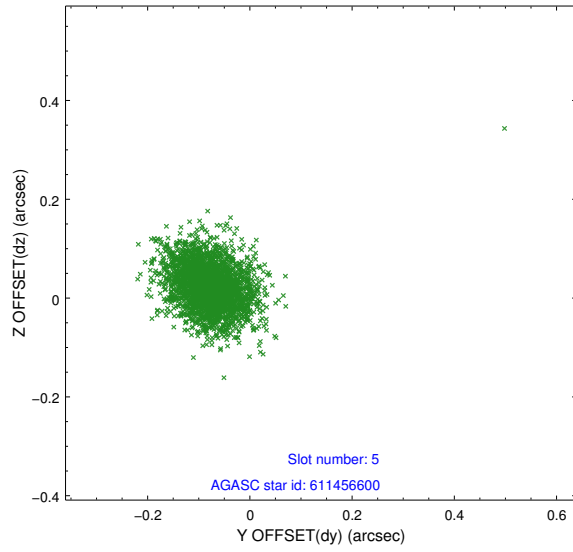
2.4.1 Slot 3



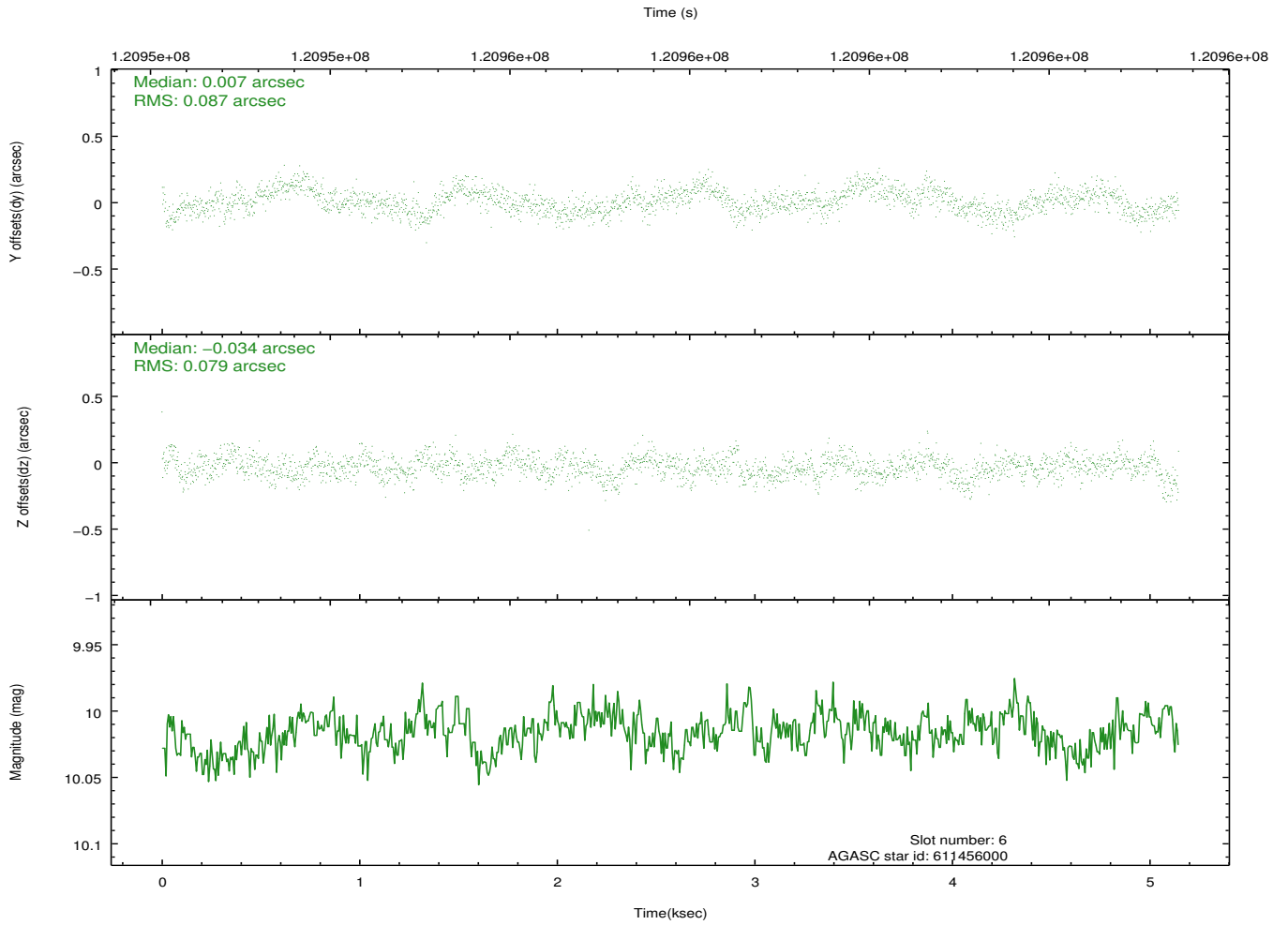
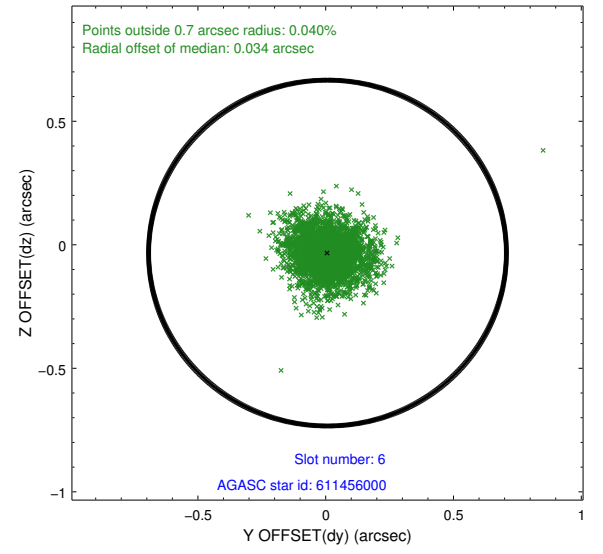
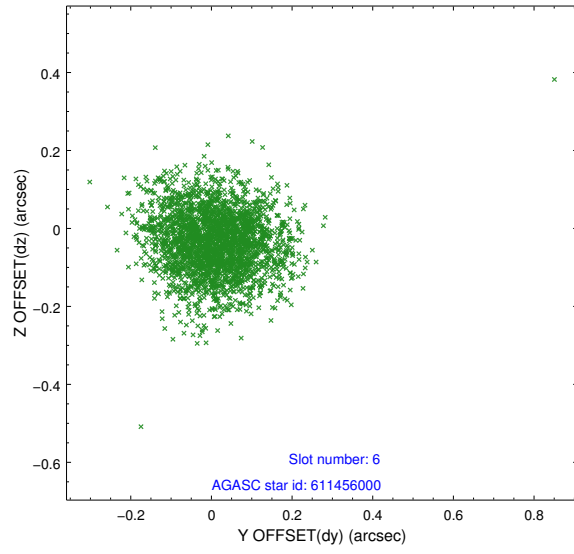
2.4.2 Slot 4



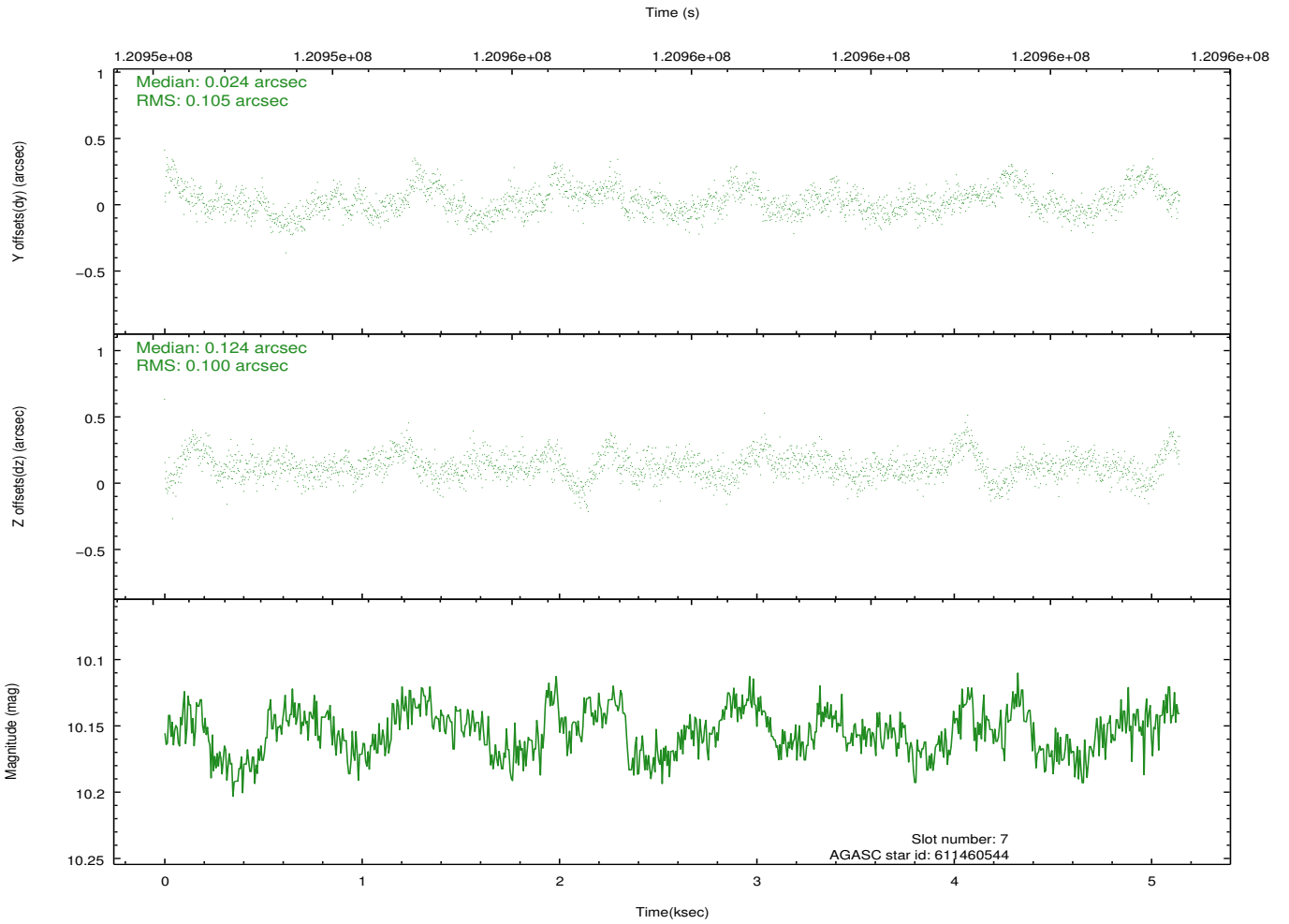
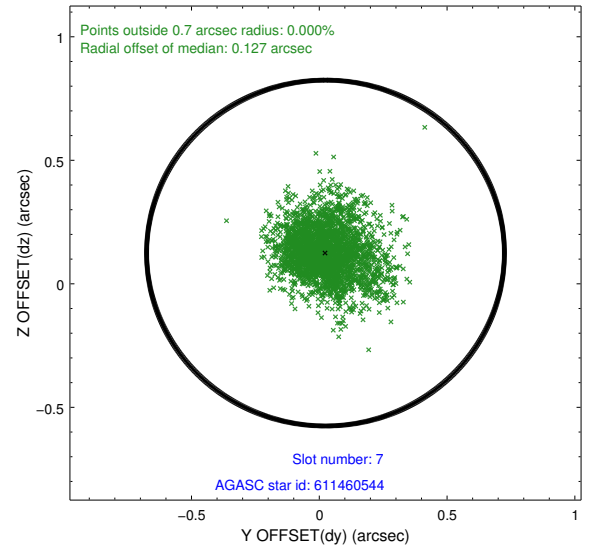
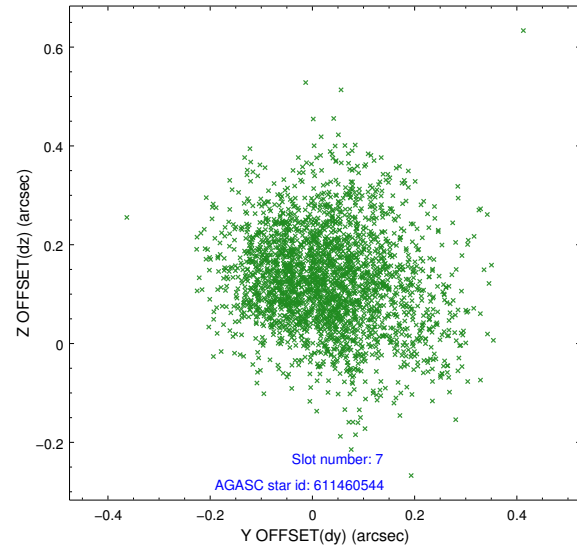
2.4.3 Slot 5



2.4.4 Slot 6

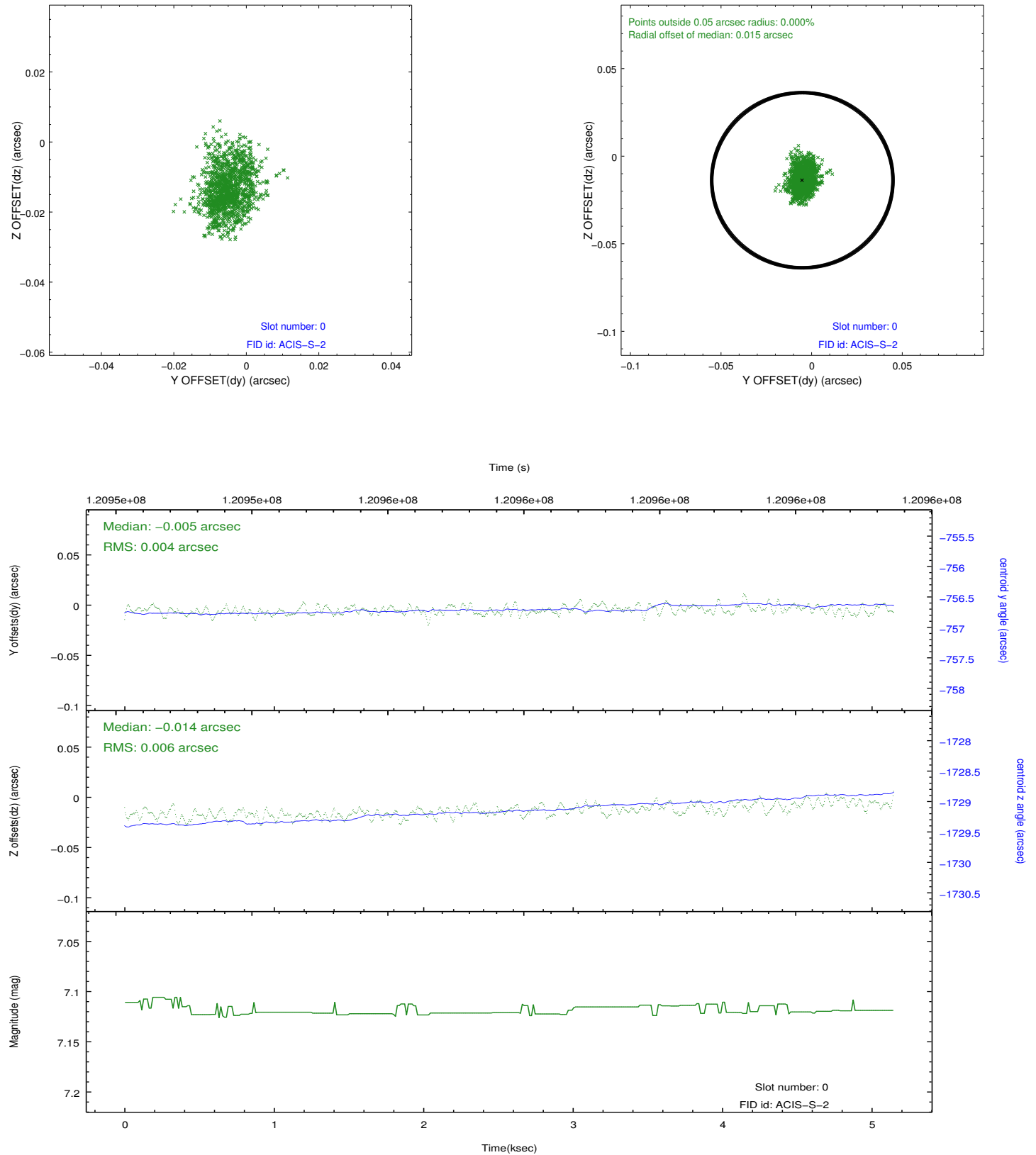


2.4.5 Slot 7

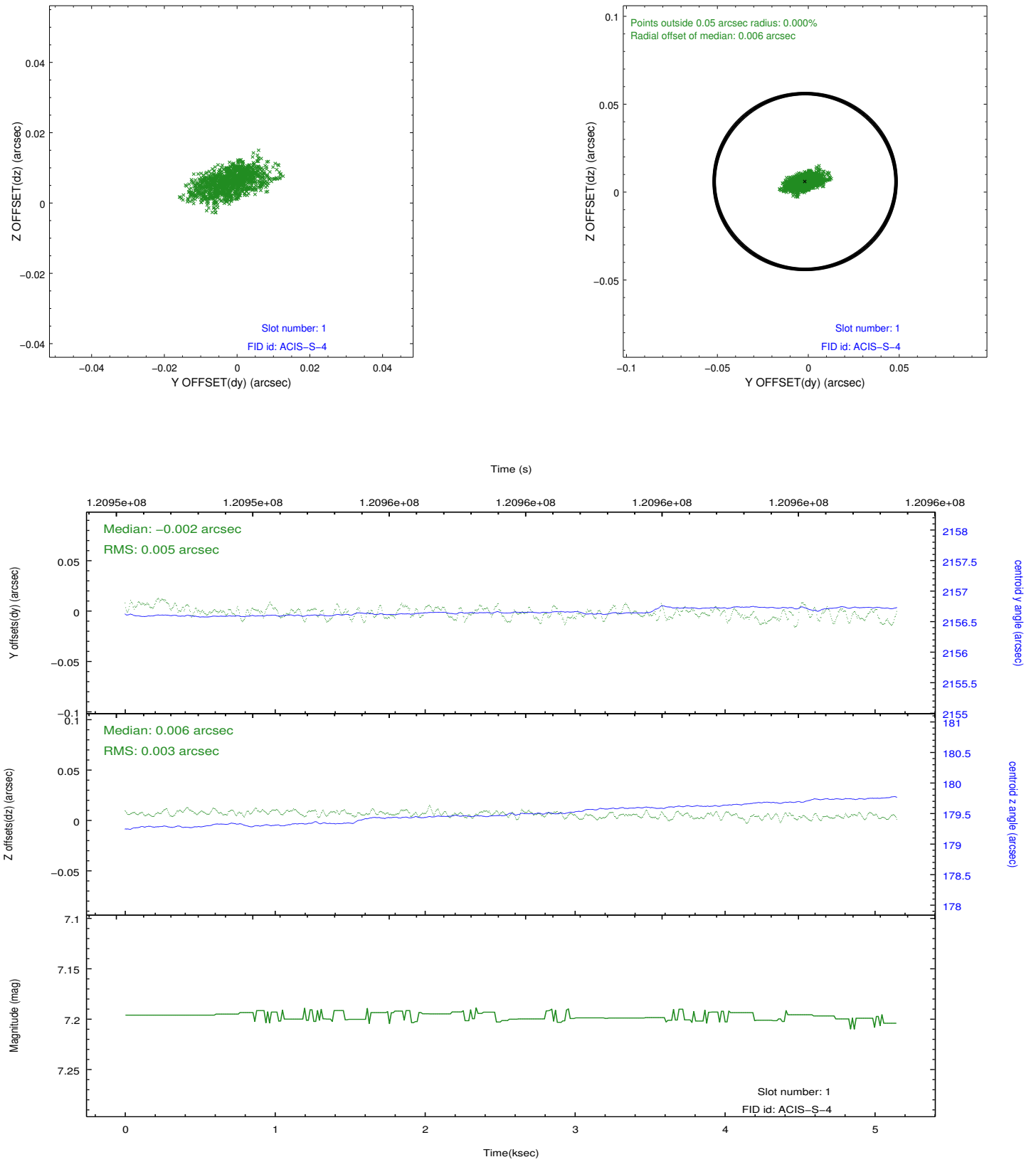


2.5 FID Slots

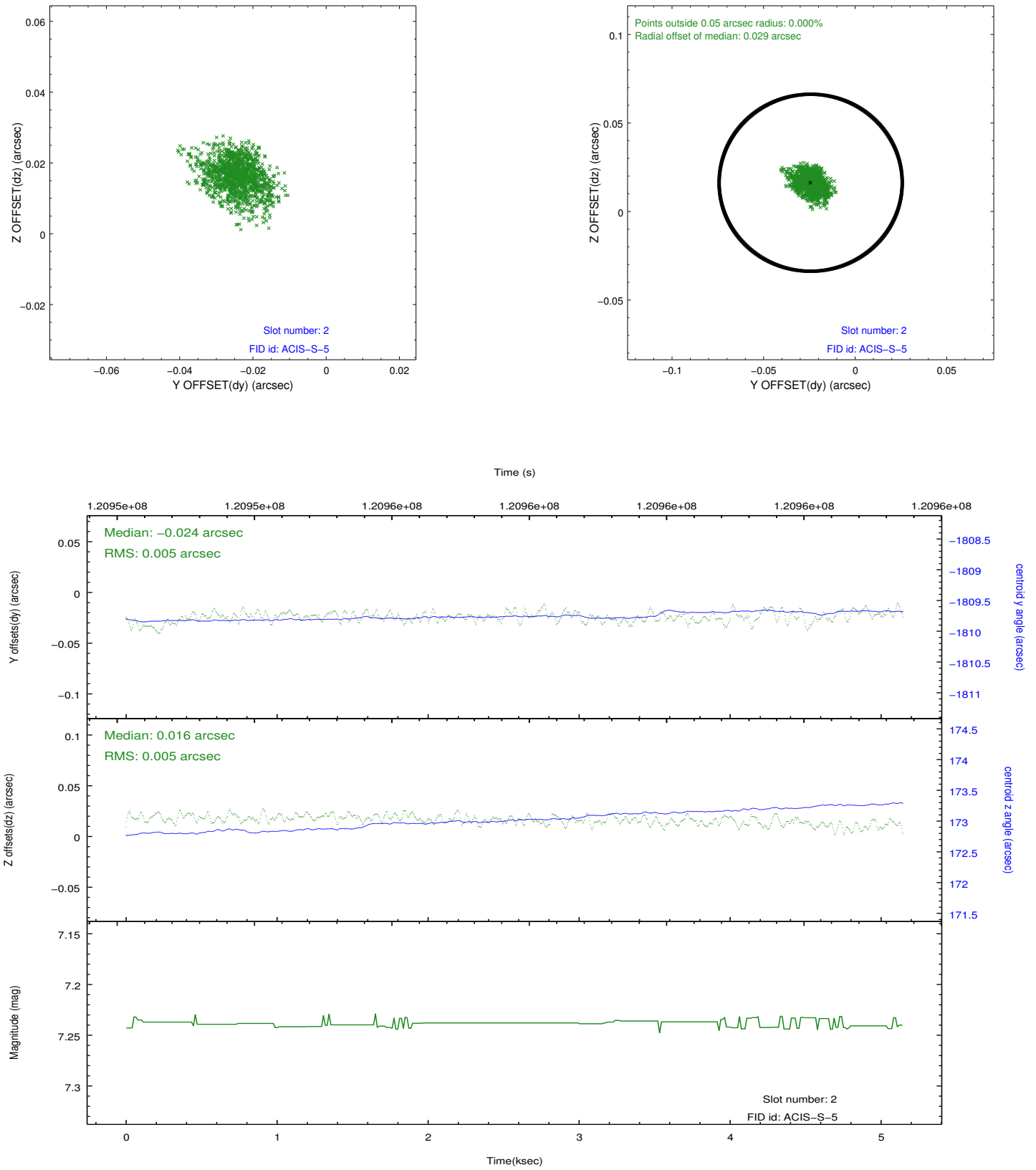
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.755

A.2 Comments