

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4079 - L2 Version 3
Chandra X-Ray Center

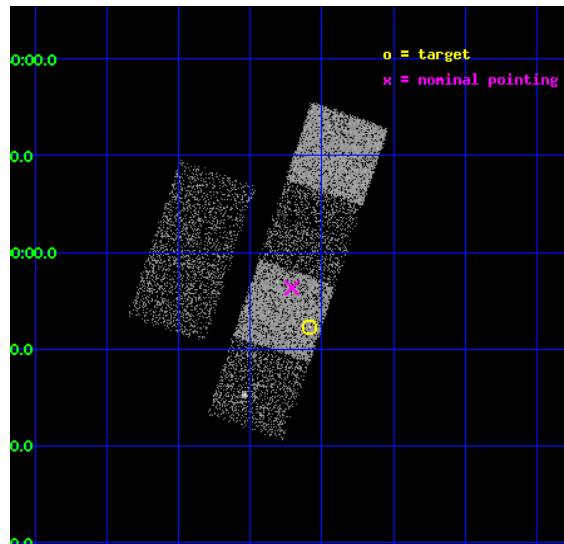
L2 Processing Date : Nov 2 2012

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1 Front

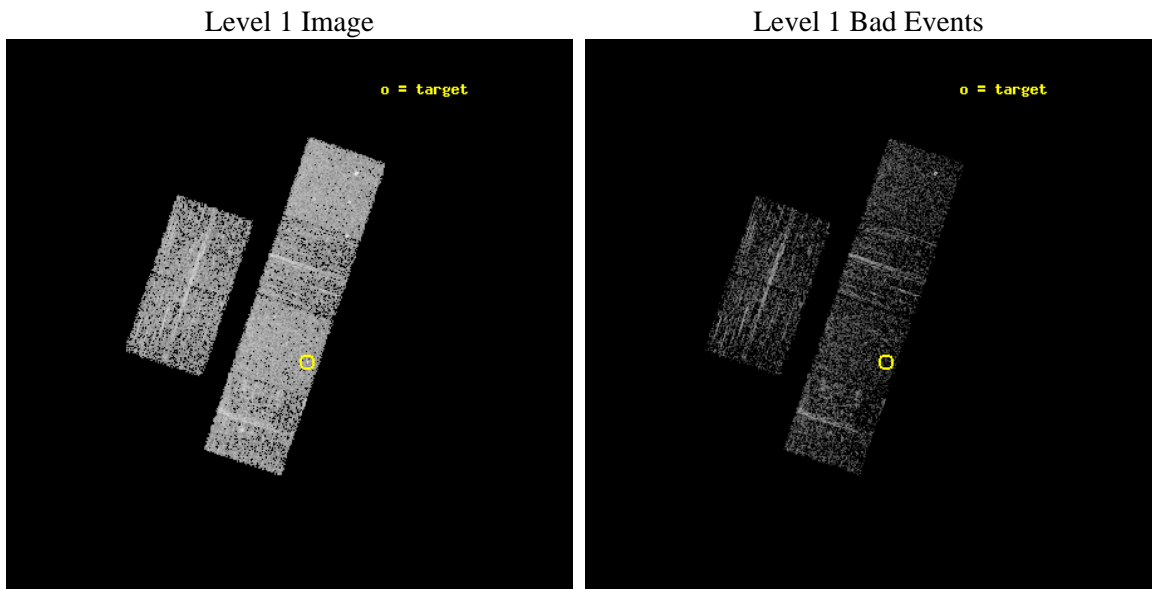
seq_num	700758	Sequence number
obs_id	4079	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J002305.03-010743.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.770833	Observer's specified target RA [deg]
dec_targ	-1.12875	Observer's specified target Dec [deg]
ra_nom	5.8024912543635	Nominal RA [deg]
dec_nom	-1.0612344737488	Nominal Dec [deg]
roll_nom	108.78015432071	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1963.3087611794	Sum of GTIs [s]
livetime	1938.4481634828	Livetime [s]
ontime2	1963.3498011827	Sum of GTIs [s]
ontime3	1963.1856411695	Sum of GTIs [s]
ontime5	1963.2677211761	Sum of GTIs [s]
ontime6	1963.2266811728	Sum of GTIs [s]
ontime7	1963.3087611794	Sum of GTIs [s]
ontime8	1963.1446011961	Sum of GTIs [s]
l2events	20535	Number of level 2 events



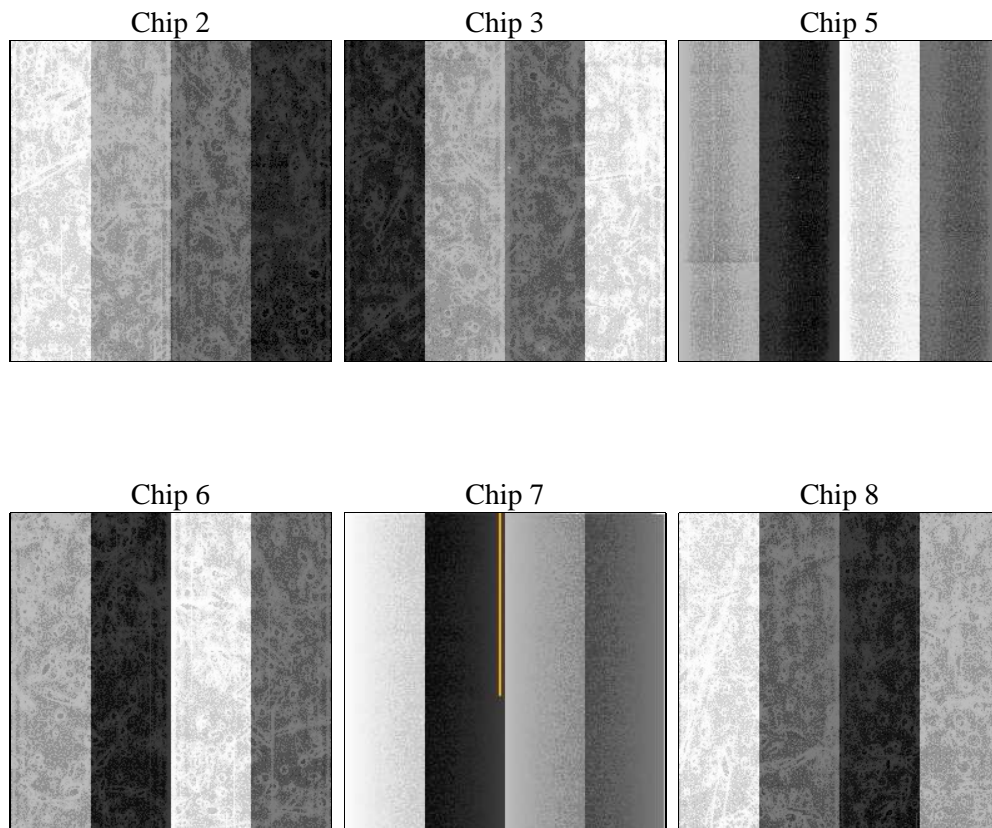
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1963.3087611794	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1963.3498011827	Sum of GTIs [s]
date	2012-11-02T15:37:20	Date and time of file creation	ontime3	1963.1856411695	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1963.2677211761	Sum of GTIs [s]
			ontime6	1963.2266811728	Sum of GTIs [s]
			ontime7	1963.3087611794	Sum of GTIs [s]
			ontime8	1963.1446011961	Sum of GTIs [s]
			l1events	89638	Number of level 1 events

2.1.4 Events

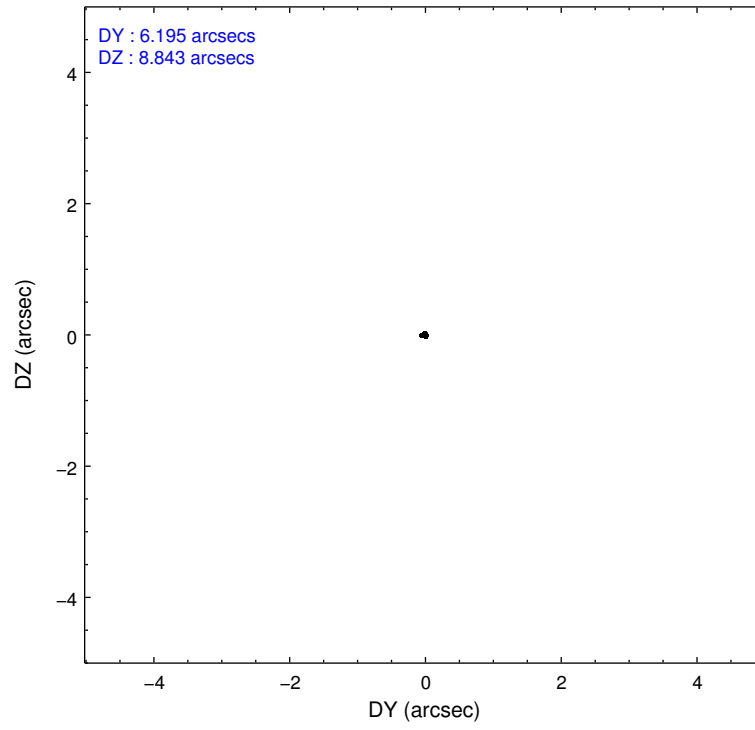
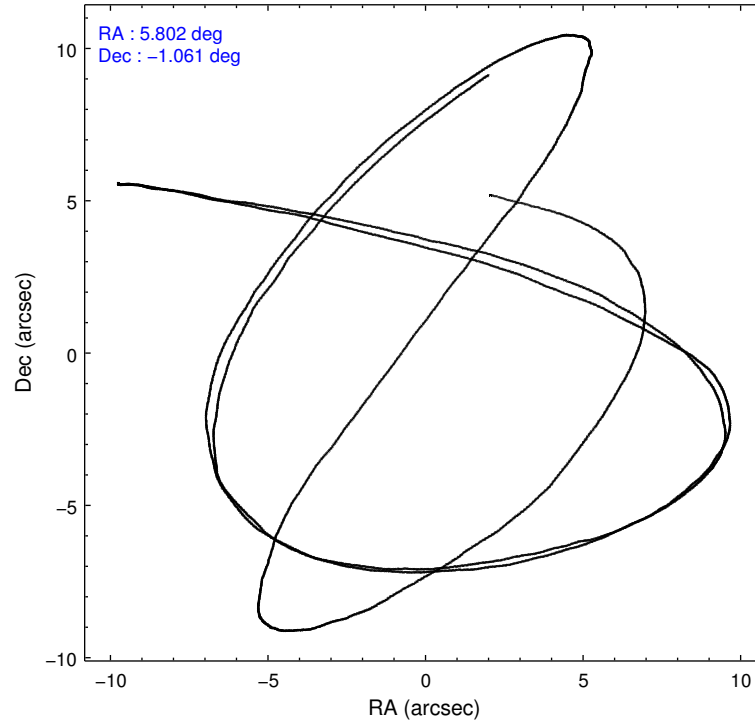
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13215	12711	18595	12712	17026	15379
rejected events	11754	11206	9885	11192	9809	12015
rejected %	88%	88%	53%	88%	57%	78%

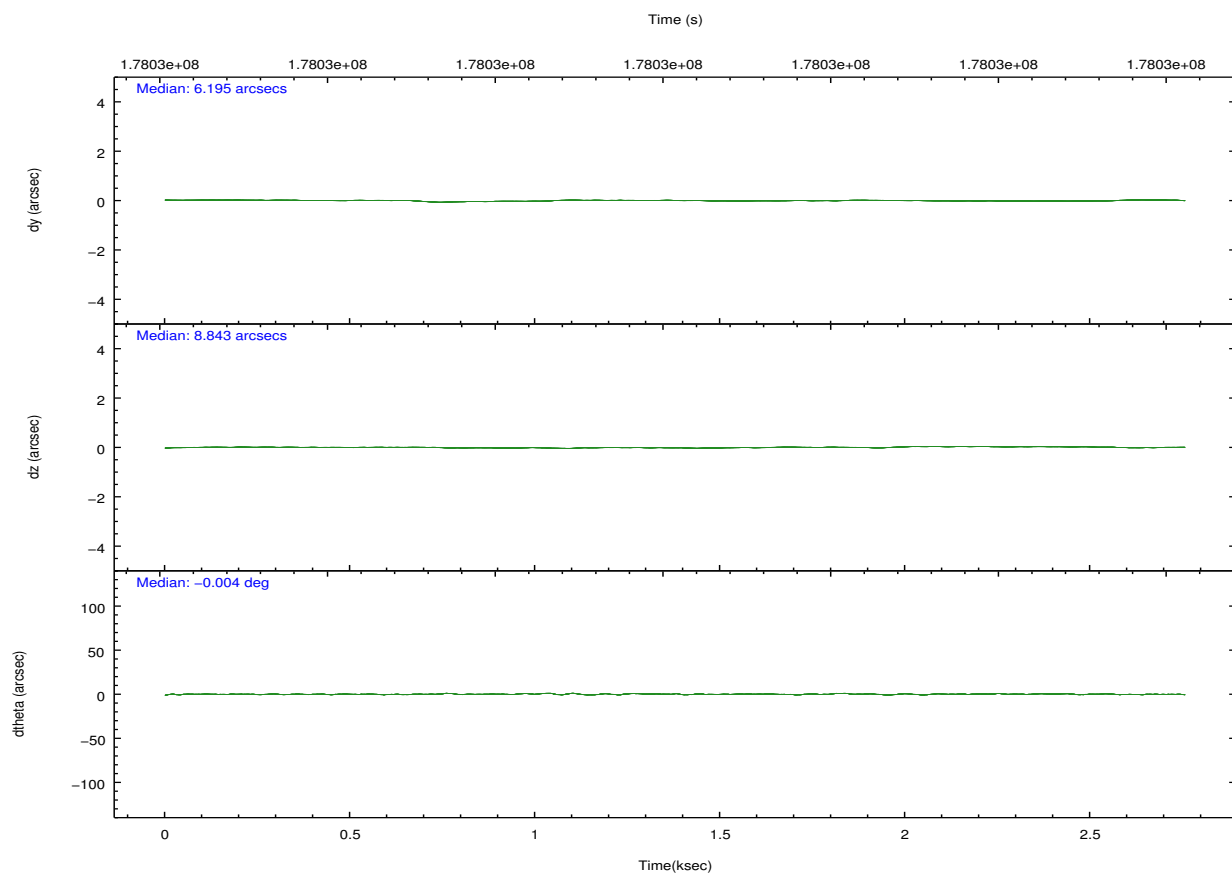
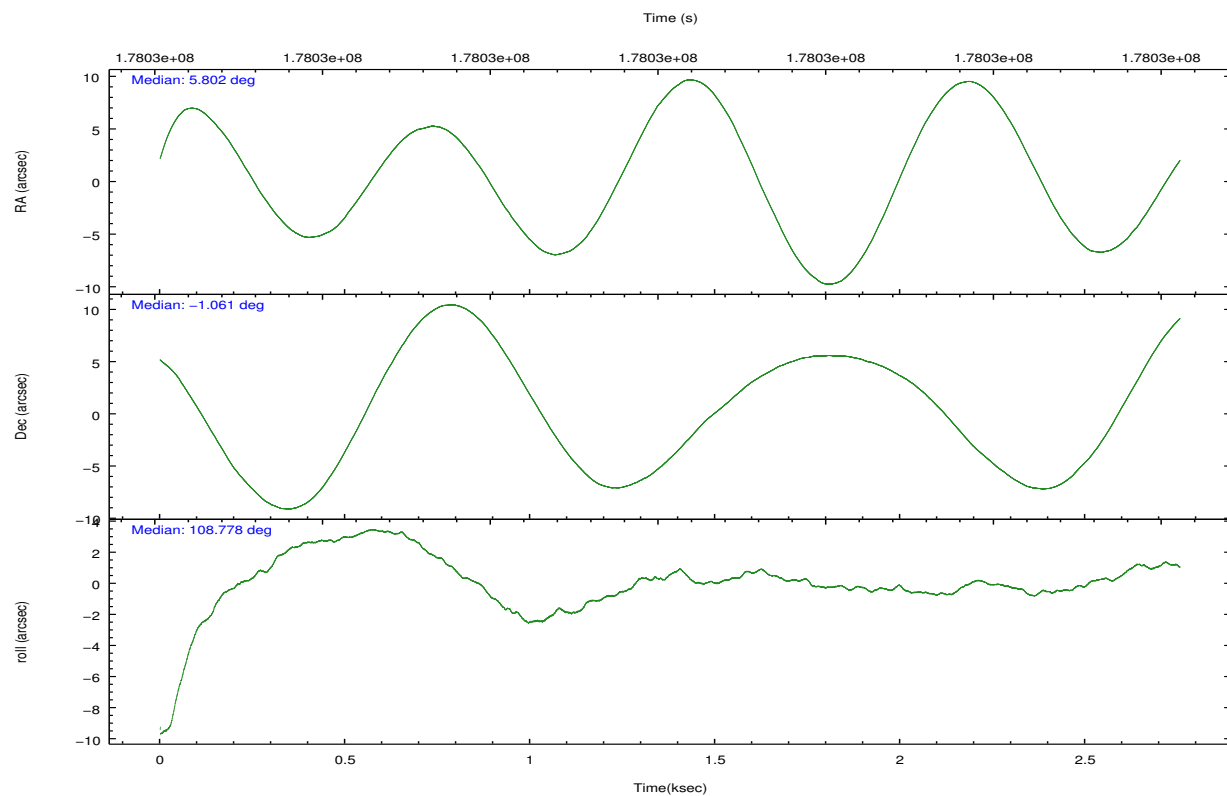
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	644	615	1096	585	693	1227
	4%	4%	5%	4%	4%	7%
grade 1 events	7	6	177	2	14	9
	0%	0%	0%	0%	0%	0%
grade 2 events	318	308	2515	326	1488	660
	2%	2%	13%	2%	8%	4%
grade 3 events	134	151	382	134	663	409
	1%	1%	2%	1%	3%	2%
grade 4 events	131	162	355	168	616	340
	0%	1%	1%	1%	3%	2%
grade 5 events	474	507	1354	575	1578	747
	3%	3%	7%	4%	9%	4%
grade 6 events	235	271	4375	310	3768	729
	1%	2%	23%	2%	22%	4%
grade 7 events	11272	10691	8341	10612	8206	11258
	85%	84%	44%	83%	48%	73%

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	5.823279	5.802491254363495	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.078725	-1.06123447374884	Alternating exposures requested	N	N
[deg] Pointing Roll	108.623922	108.7801543207057	[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)	178026918.184000	178025668.9865			
Observation start date	2003-08-23T11:54:14	2003-08-23T11:34:28			
[s] Observation end time (MET)	178028918.184000	178029589.61167			
Observation end date	2003-08-23T12:27:34	2003-08-23T12:39:49			
Read mode	TIMED	TIMED			

2.3 Aspect



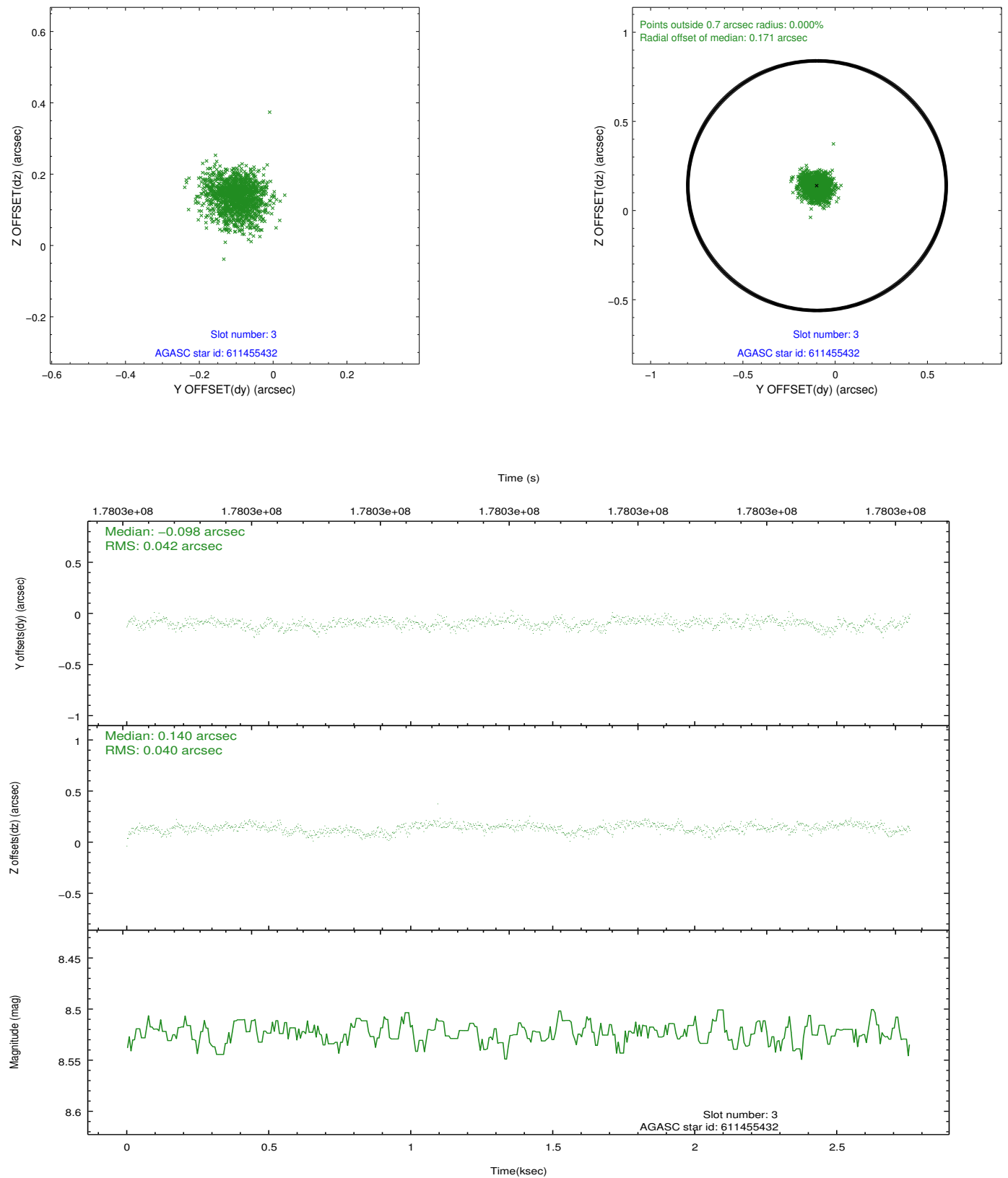


Slot Statistics

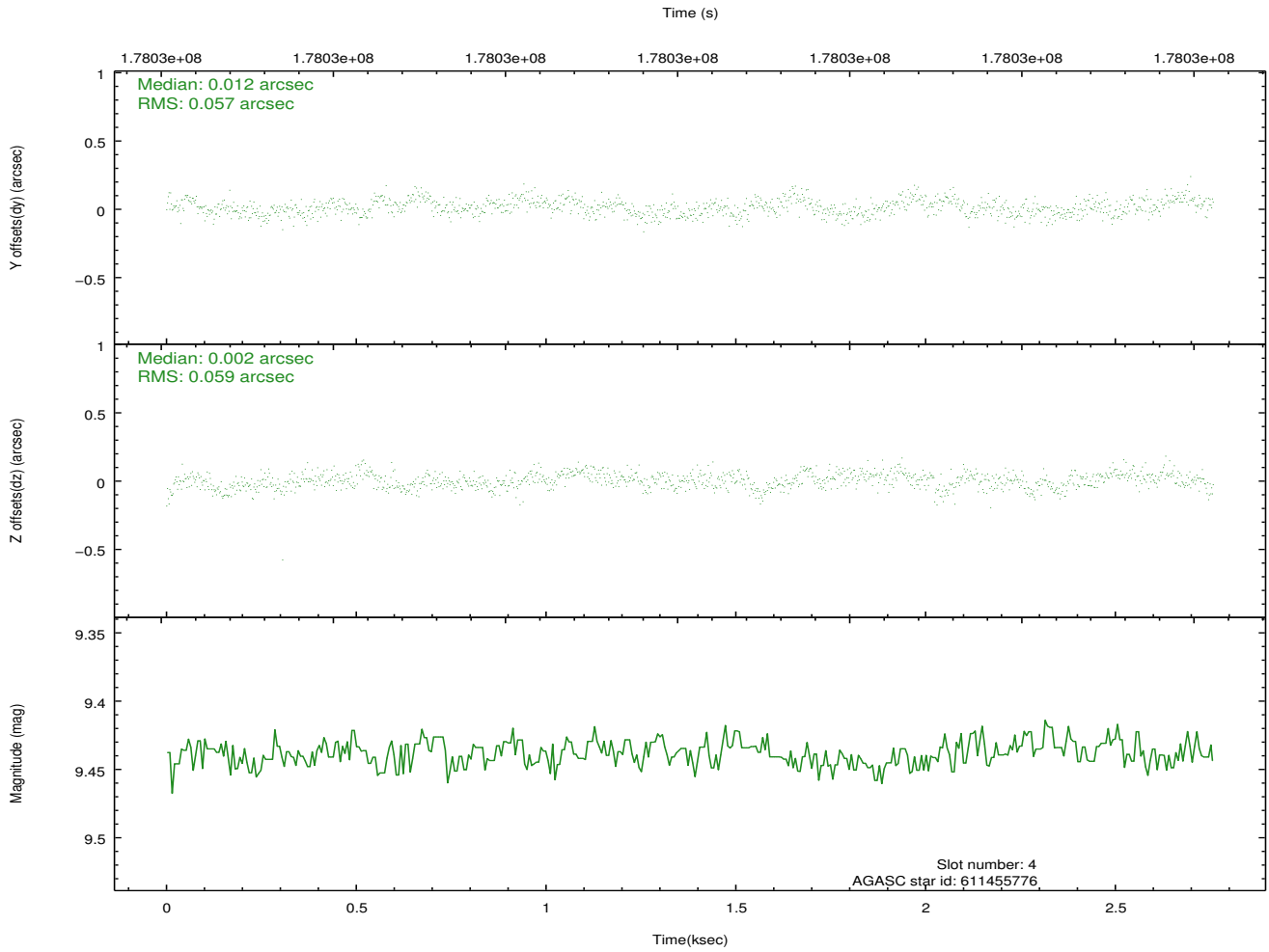
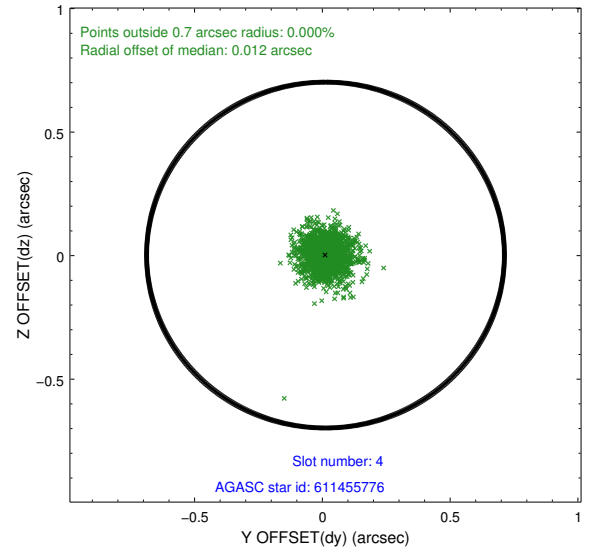
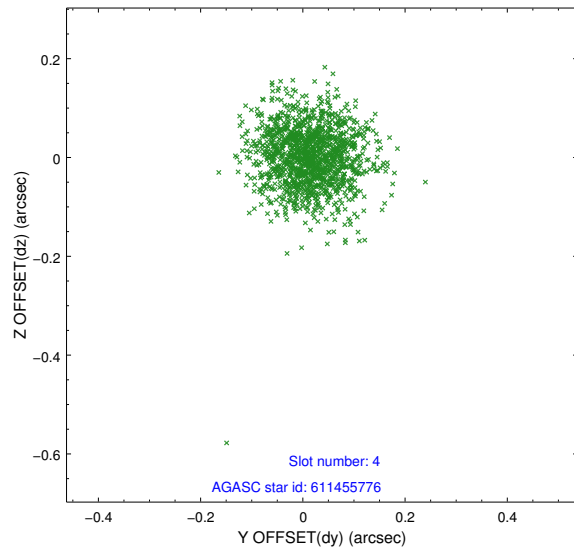
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	673	-0.042	-0.036	0.007	0.011	0.000000	0.000000	-758.97	-1730.09
1	FID	ACIS-S-4	7.20	673	0.062	0.030	0.005	0.009	0.000000	0.000000	2153.36	176.04
2	FID	ACIS-S-5	7.22	672	-0.051	0.015	0.006	0.012	0.000000	0.000000	-1808.81	172.36
3	GUIDE	611455432	8.52	1346	-0.098	0.140	0.062	0.101	5.918378	-0.541387	1724.41	-942.31
4	GUIDE	611455776	9.44	1346	0.012	0.002	0.086	0.139	5.370059	-0.940901	993.08	1386.51
5	GUIDE	611455848	9.21	1346	-0.043	-0.049	0.107	0.155	5.558330	-0.945971	758.67	751.97
6	GUIDE	611458248	9.00	1346	0.123	-0.030	0.067	0.110	5.827673	-1.559564	-1644.11	537.92
7	GUIDE	611458720	9.53	1345	0.004	-0.064	0.104	0.159	5.207365	-0.871100	1415.60	1862.42

2.4 Star Slots

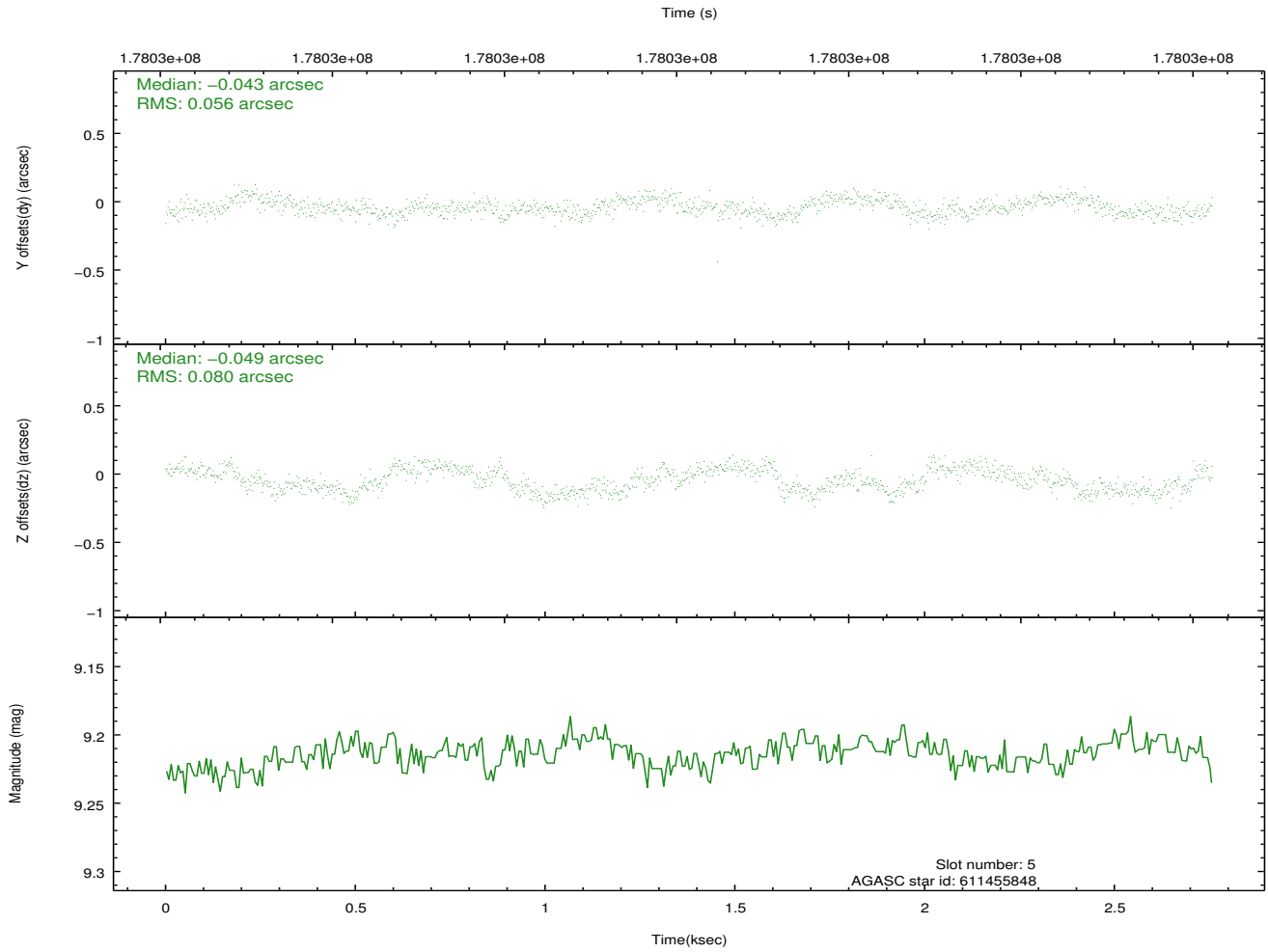
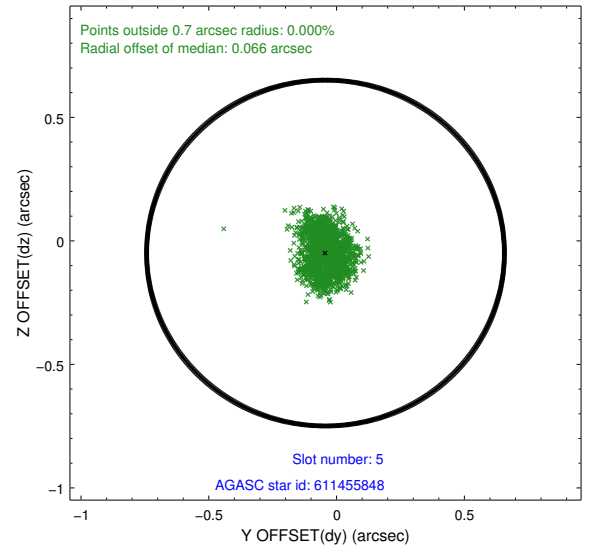
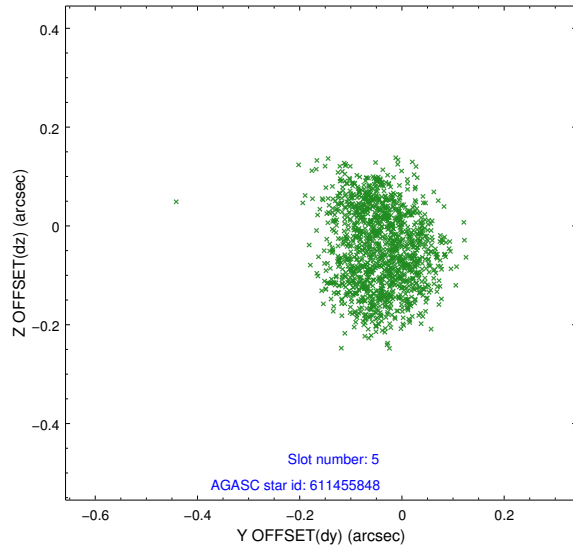
2.4.1 Slot 3



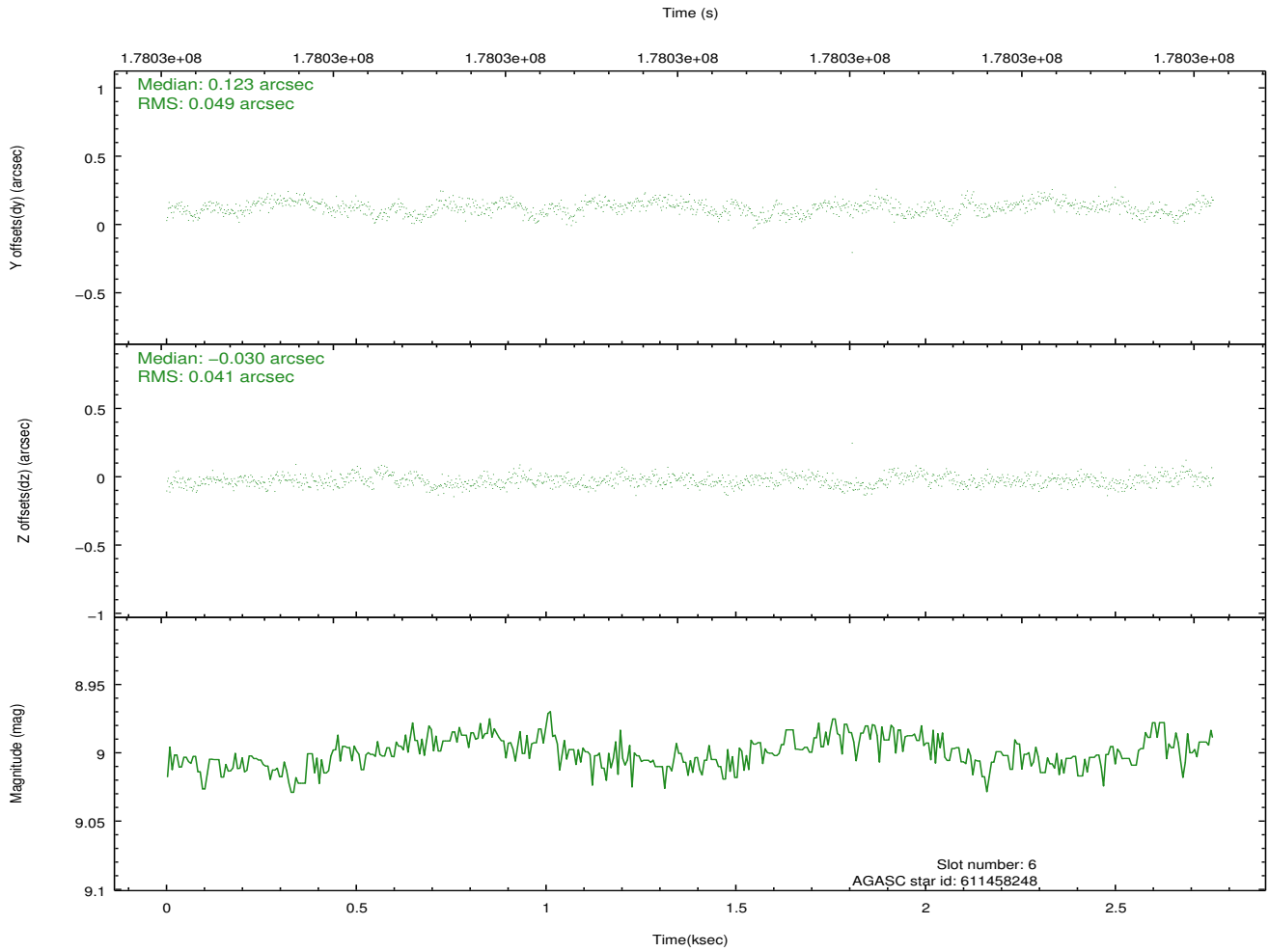
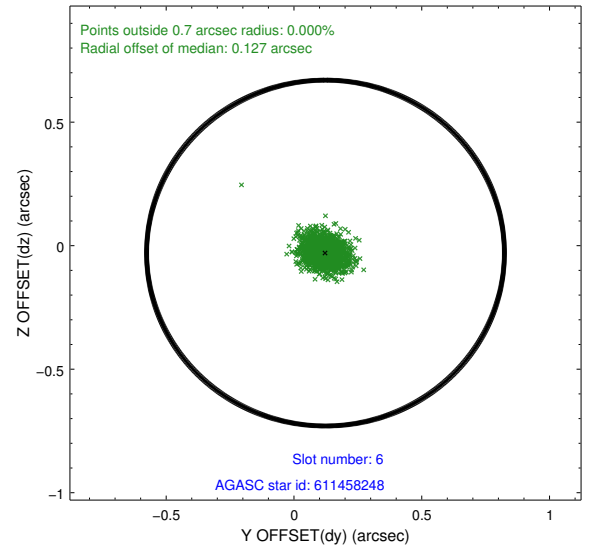
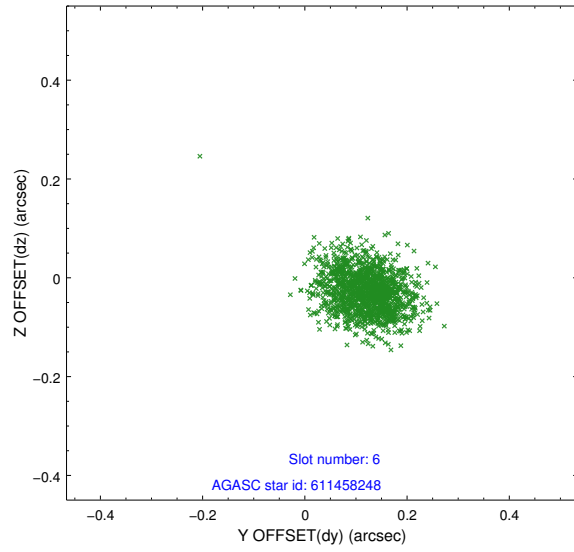
2.4.2 Slot 4



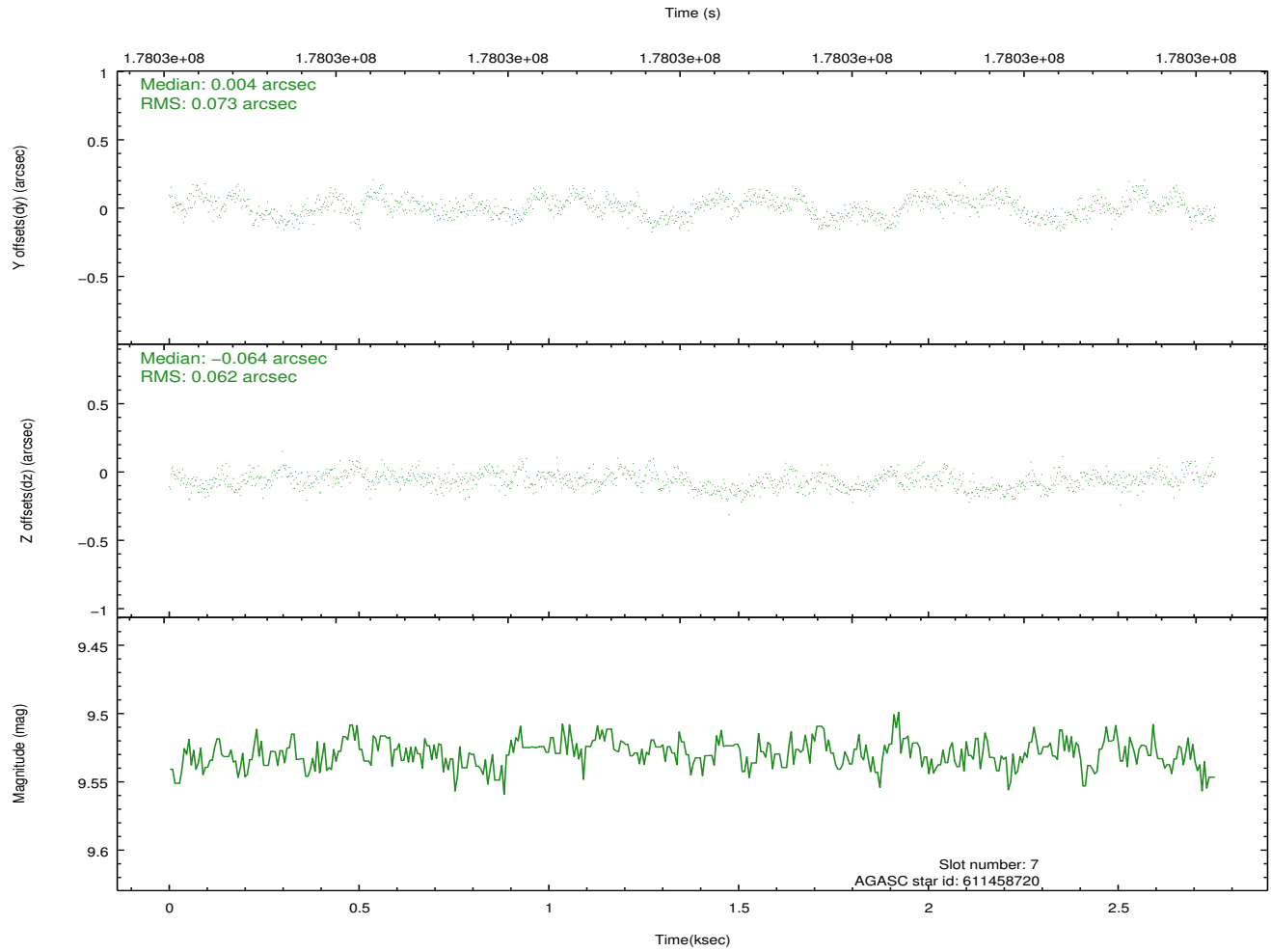
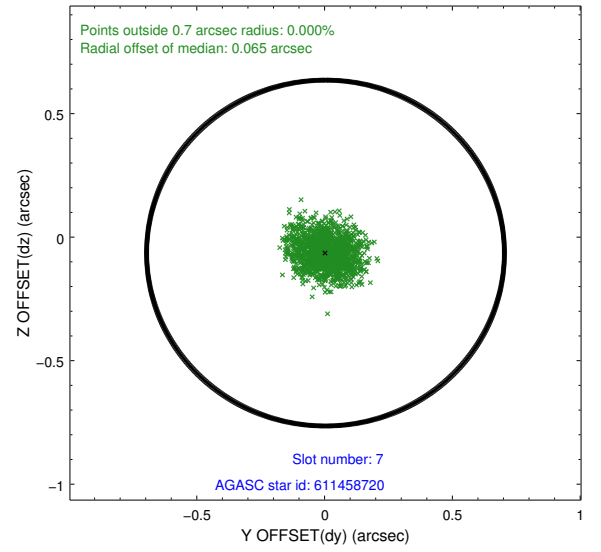
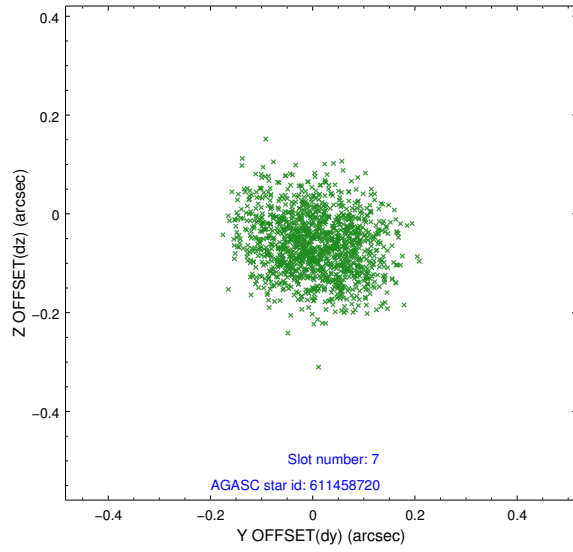
2.4.3 Slot 5



2.4.4 Slot 6

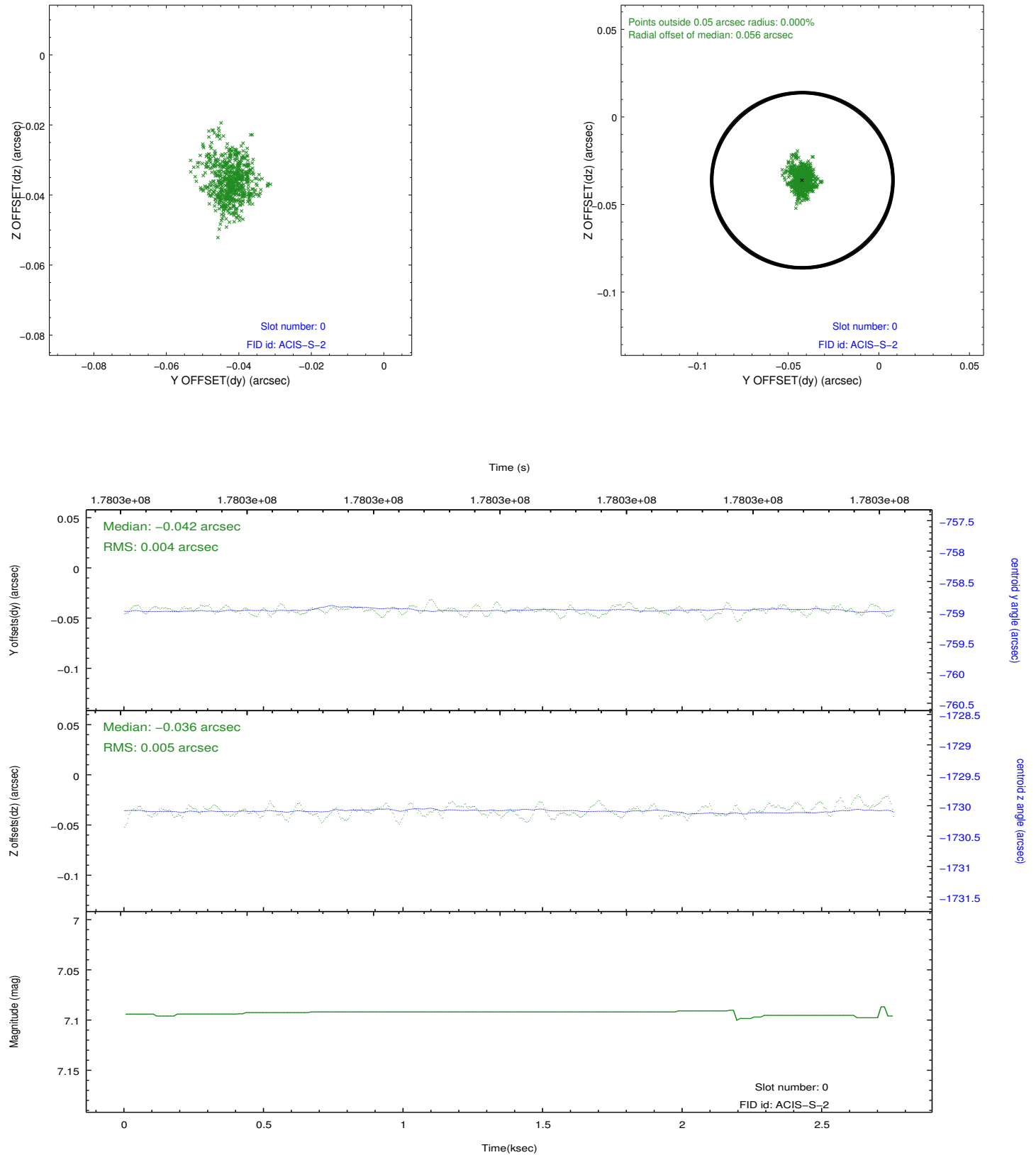


2.4.5 Slot 7

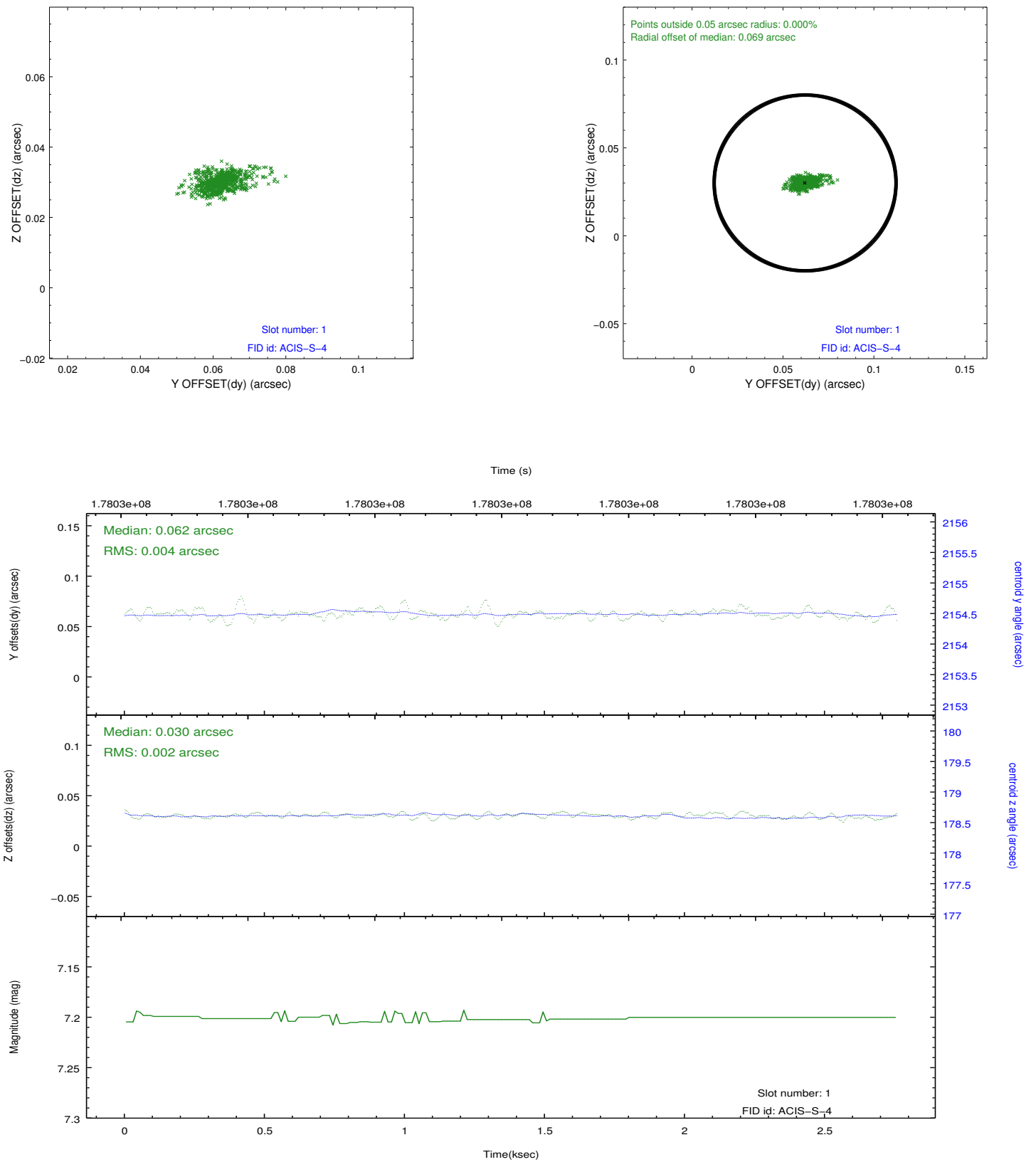


2.5 FID Slots

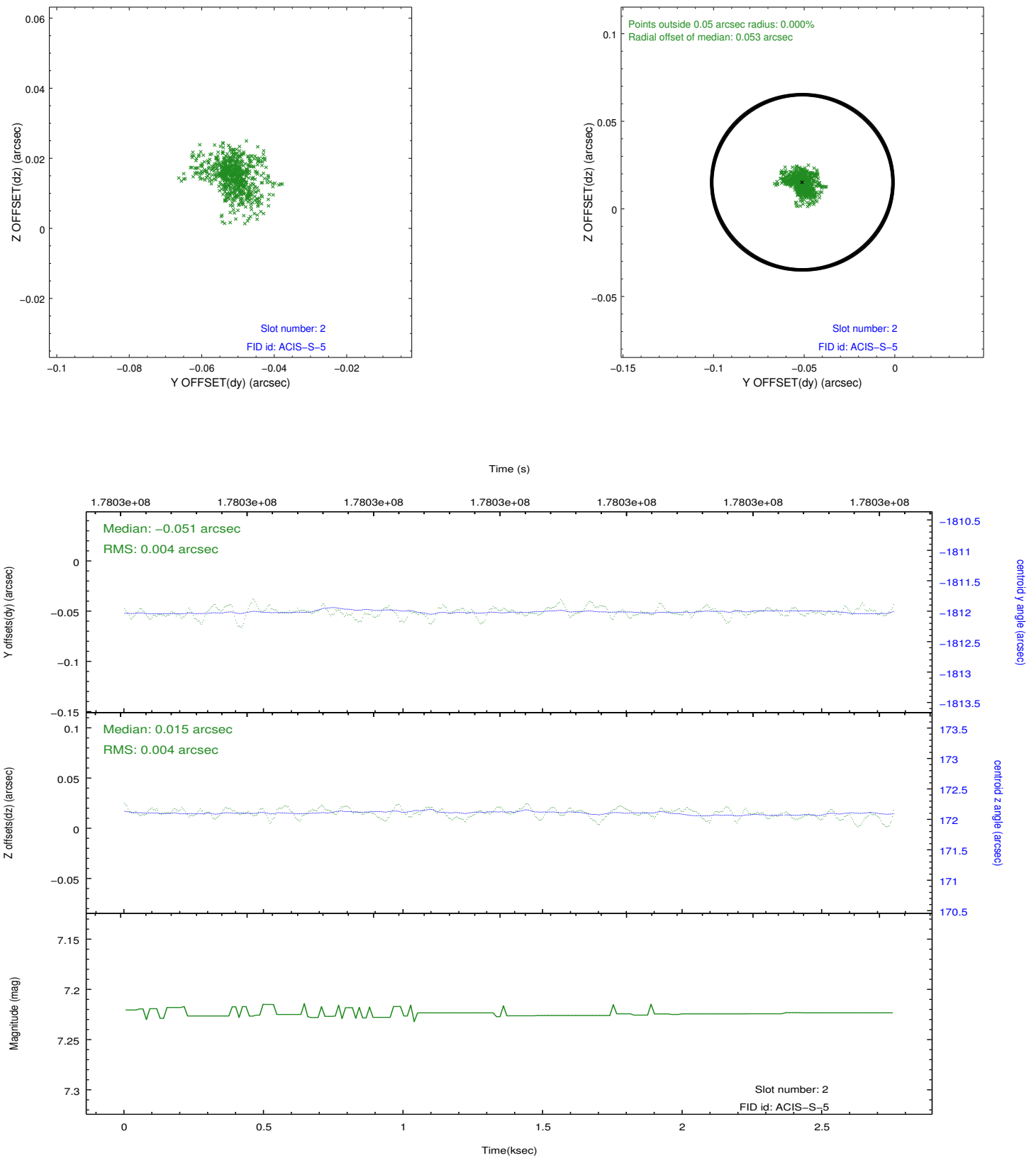
2.5.1 Slot 0



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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.964

A.2 Comments