

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4095 - L2 Version 3
Chandra X-Ray Center

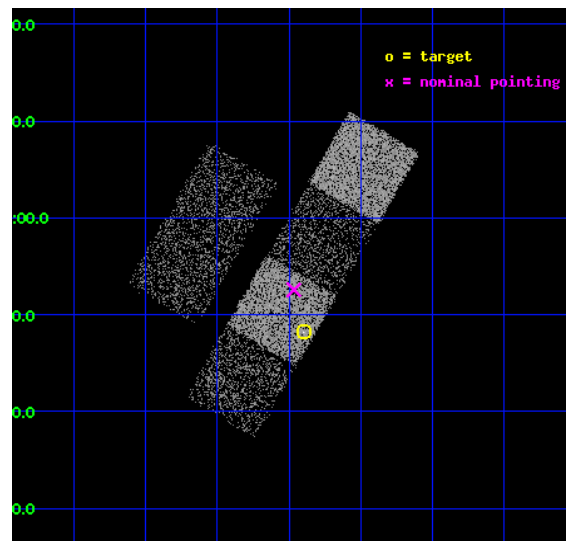
L2 Processing Date : Nov 2 2012

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1 Front

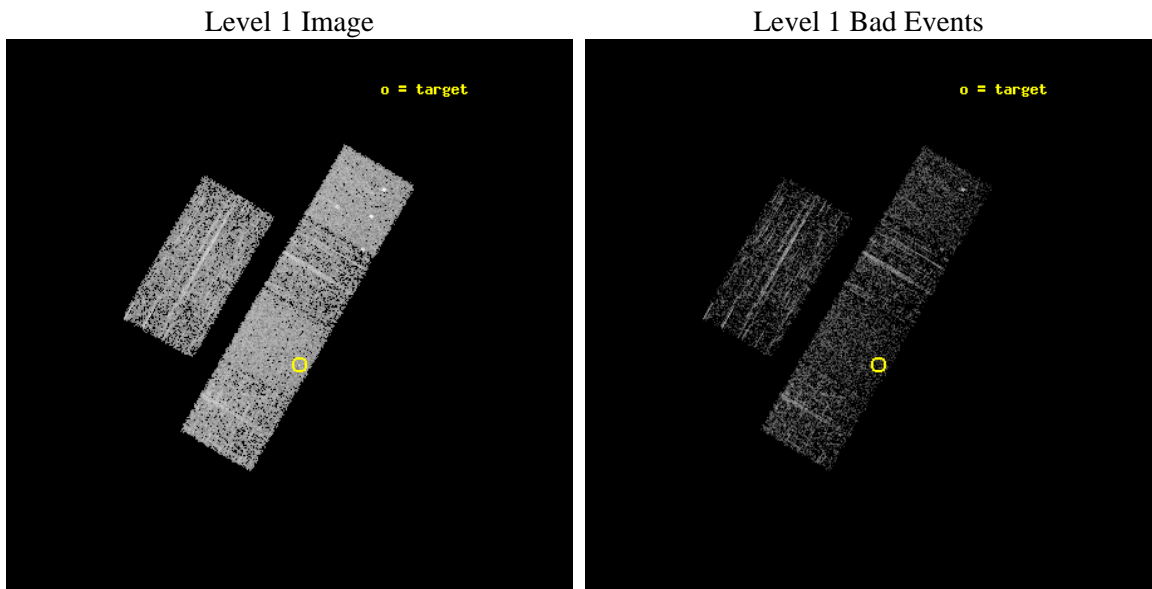
seq_num	700774	Sequence number
obs_id	4095	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J233853.83+004812.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	354.724167	Observer's specified target RA [deg]
dec_targ	0.803444	Observer's specified target Dec [deg]
ra_nom	354.74149330796	Nominal RA [deg]
dec_nom	0.87612486574625	Nominal Dec [deg]
roll_nom	120.21080311166	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1935.9999927878	Sum of GTIs [s]
livetime	1911.4851951599	Livetime [s]
ontime2	1935.9999927878	Sum of GTIs [s]
ontime3	1935.9999927878	Sum of GTIs [s]
ontime5	1935.9999927878	Sum of GTIs [s]
ontime6	1935.9999927878	Sum of GTIs [s]
ontime7	1935.9999927878	Sum of GTIs [s]
ontime8	1935.9999927878	Sum of GTIs [s]
l2events	19087	Number of level 2 events



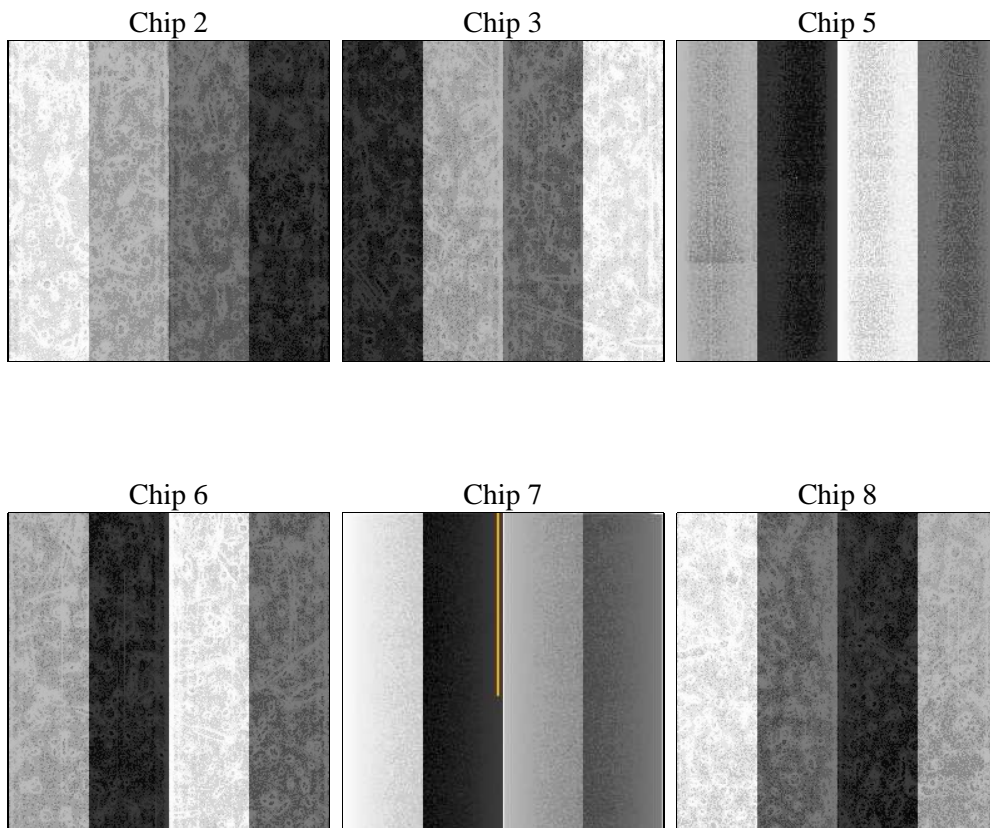
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1973.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1935.9999927878	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1935.9999927878	Sum of GTIs [s]
date	2012-11-02T15:43:25	Date and time of file creation	ontime3	1935.9999927878	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1935.9999927878	Sum of GTIs [s]
			ontime6	1935.9999927878	Sum of GTIs [s]
			ontime7	1935.9999927878	Sum of GTIs [s]
			ontime8	1935.9999927878	Sum of GTIs [s]
			l1events	88562	Number of level 1 events

2.1.4 Events

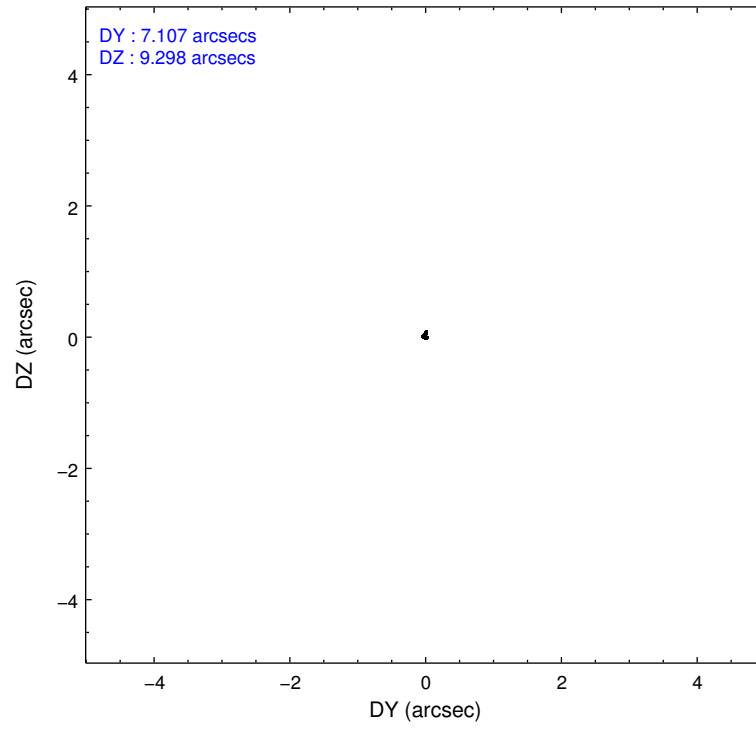
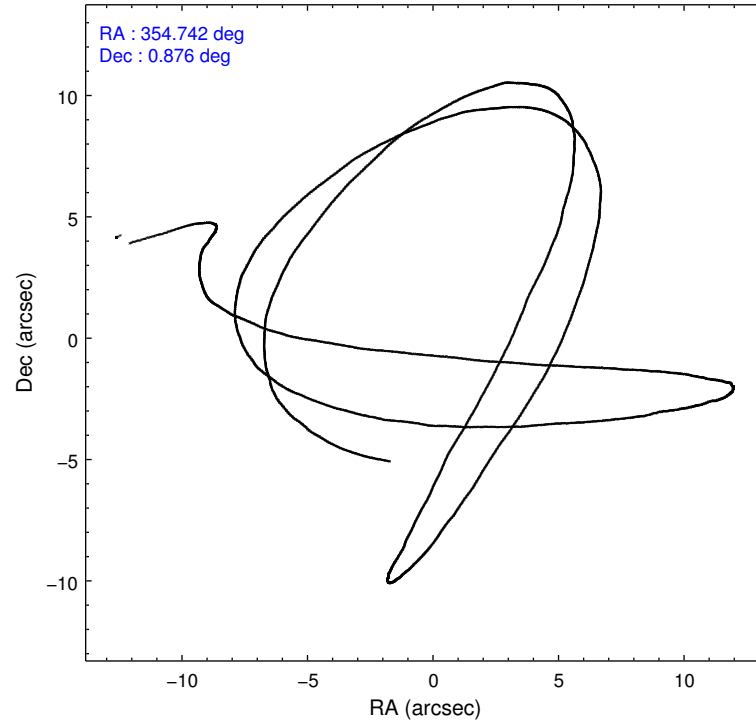
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13087	11934	18520	12898	16349	15774
rejected events	11576	10566	9806	11438	9574	12387
rejected %	88%	88%	52%	88%	58%	78%

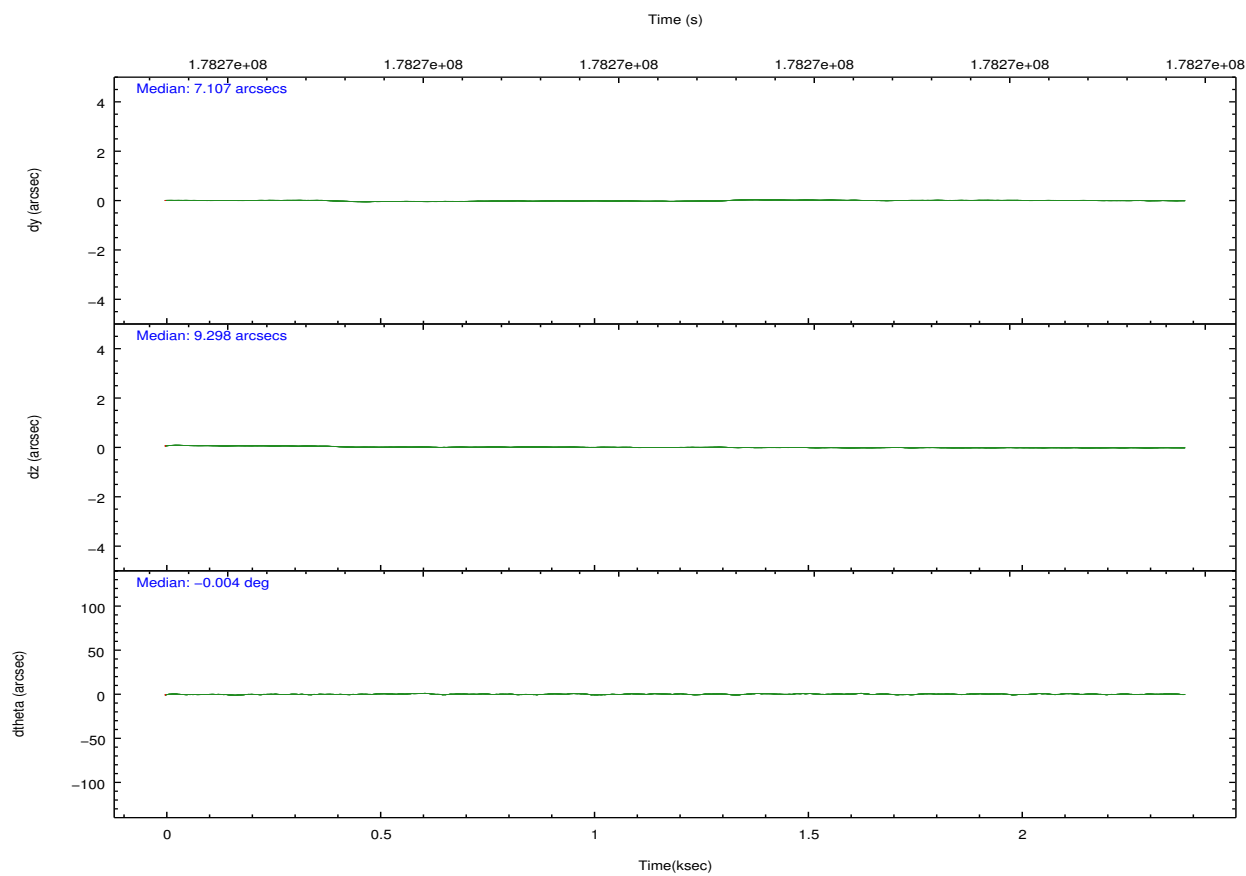
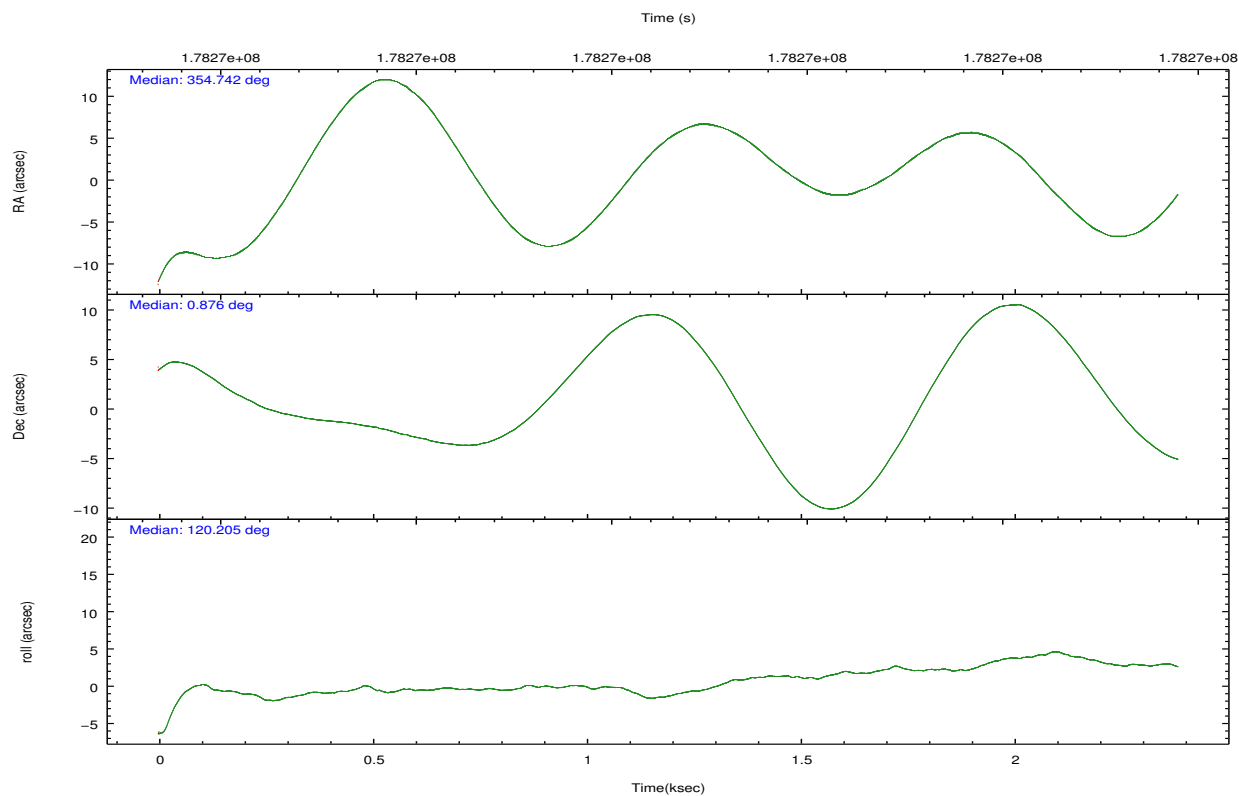
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	661	626	1419	572	678	1022
	5%	5%	7%	4%	4%	6%
grade 1 events	9	7	50	7	9	13
	0%	0%	0%	0%	0%	0%
grade 2 events	292	231	2608	323	1323	761
	2%	1%	14%	2%	8%	4%
grade 3 events	151	120	319	138	592	345
	1%	1%	1%	1%	3%	2%
grade 4 events	151	141	284	138	622	315
	1%	1%	1%	1%	3%	1%
grade 5 events	492	510	1365	545	1590	732
	3%	4%	7%	4%	9%	4%
grade 6 events	259	253	4110	290	3578	946
	1%	2%	22%	2%	21%	5%
grade 7 events	11072	10046	8365	10885	7957	11640
	84%	84%	45%	84%	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	354.765651	354.7414933079562	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.862875	0.8761248657462488	Alternating exposures requested	N	N
[deg] Pointing Roll	120.053841	120.2108031116638	[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)	178272361.184000	178271282.57201			
Observation start date	2003-08-26T08:04:57	2003-08-26T07:48:02			
[s] Observation end time (MET)	178274334.184000	178274935.15966			
Observation end date	2003-08-26T08:37:50	2003-08-26T08:48:55			
Read mode	TIMED	TIMED			

2.3 Aspect



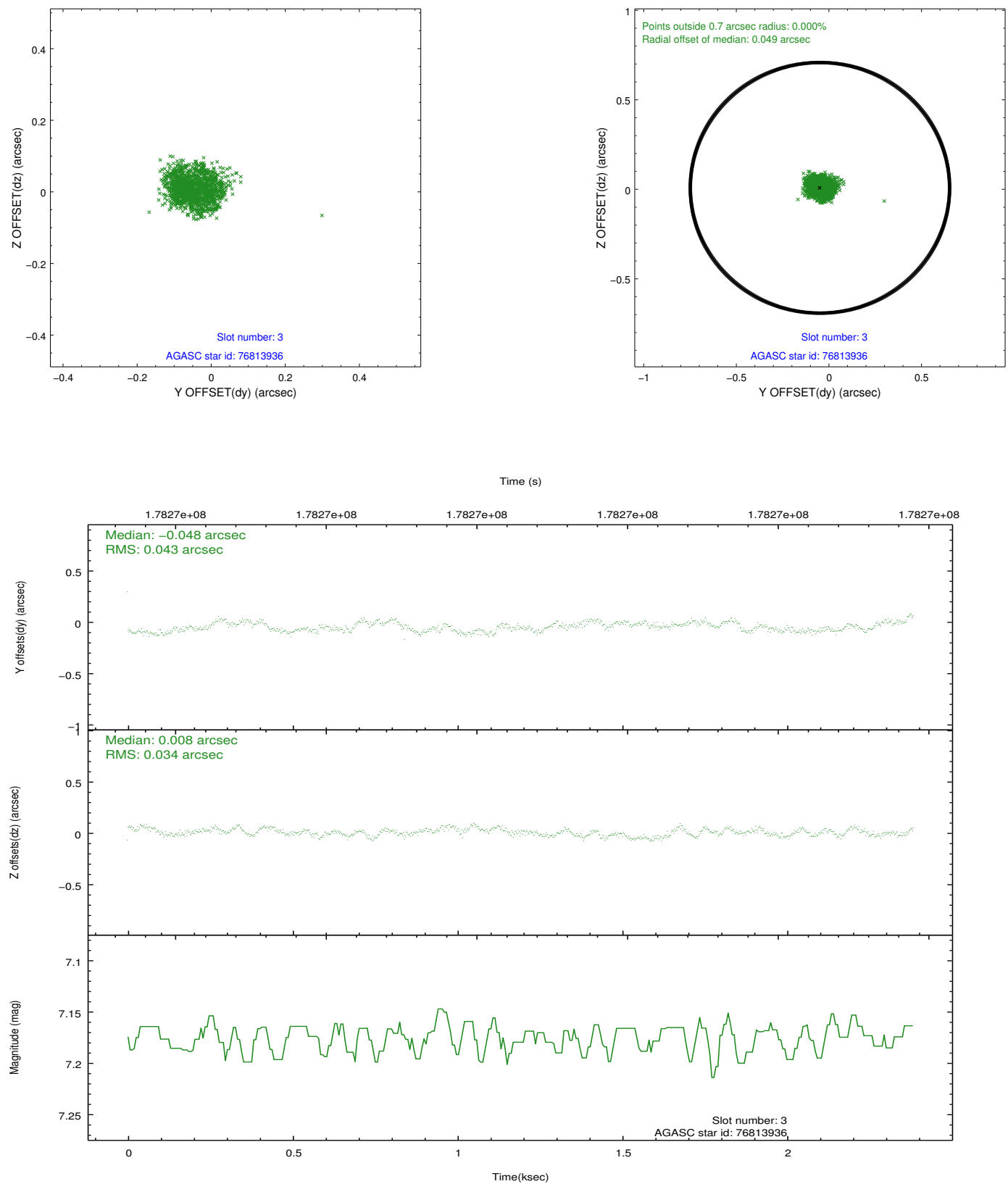


Slot Statistics

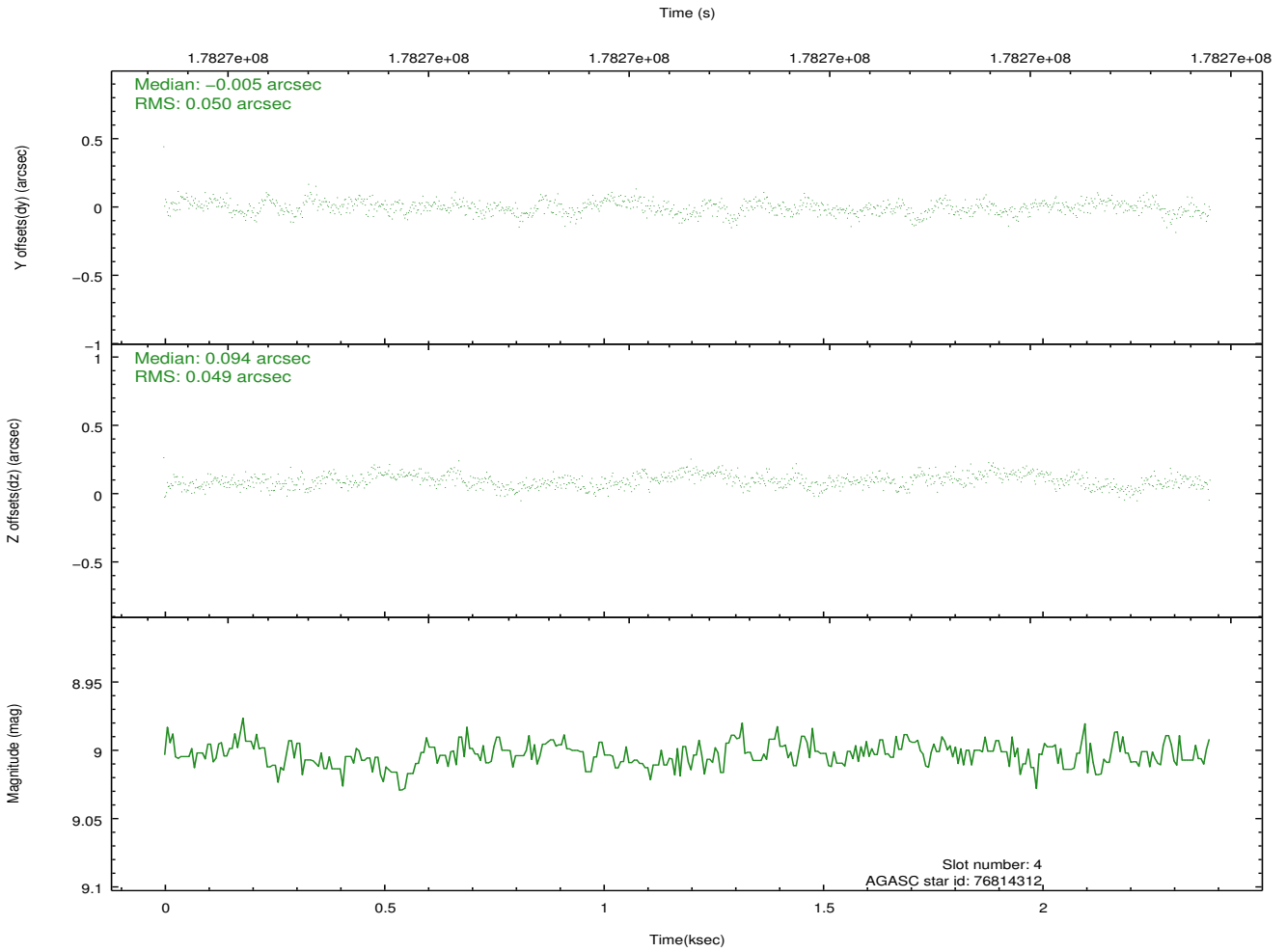
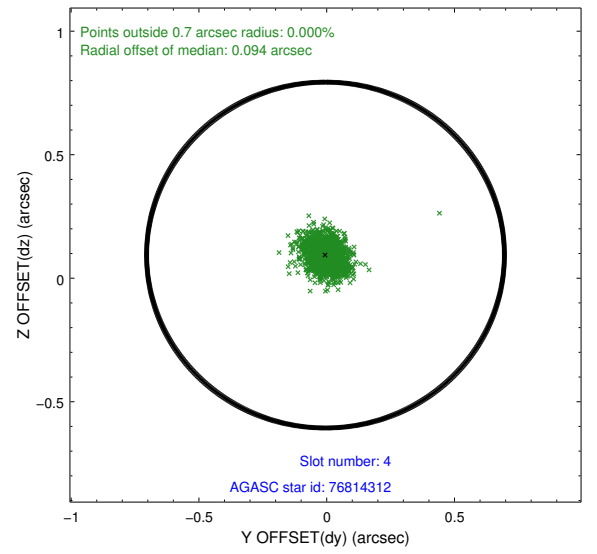
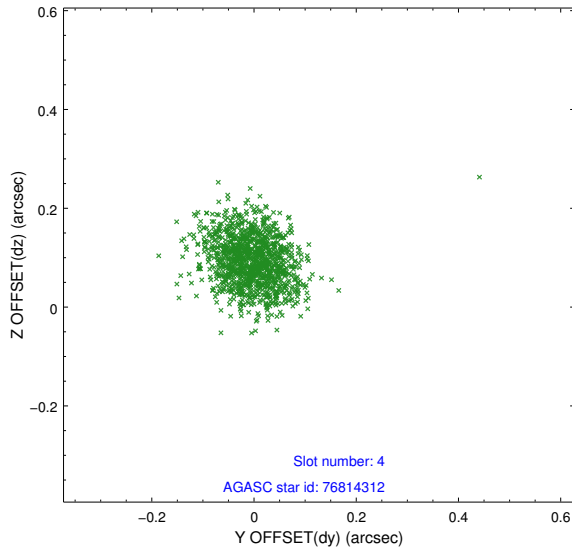
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	582	-0.033	-0.023	0.006	0.010	0.000000	0.000000	-759.87	-1730.56
1	FID	ACIS-S-4	7.20	582	0.053	0.022	0.005	0.010	0.000000	0.000000	2152.24	175.18
2	FID	ACIS-S-5	7.23	582	-0.051	0.009	0.006	0.011	0.000000	0.000000	-1809.25	171.90
3	GUIDE	76813936	7.18	1164	-0.048	0.008	0.059	0.086	355.167647	0.415974	-2117.68	-447.47
4	GUIDE	76814312	9.00	1164	-0.005	0.094	0.073	0.117	355.000375	1.539969	1684.72	-1952.73
5	GUIDE	76815856	9.13	1163	0.060	0.017	0.065	0.105	355.105256	0.393799	-2072.86	-215.03
6	GUIDE	76679688	9.15	1164	-0.087	-0.039	0.099	0.161	354.668302	1.573197	2386.48	-978.11
7	GUIDE	76678520	8.95	1162	0.079	-0.080	0.080	0.125	354.768103	0.123630	-2306.46	1323.43

2.4 Star Slots

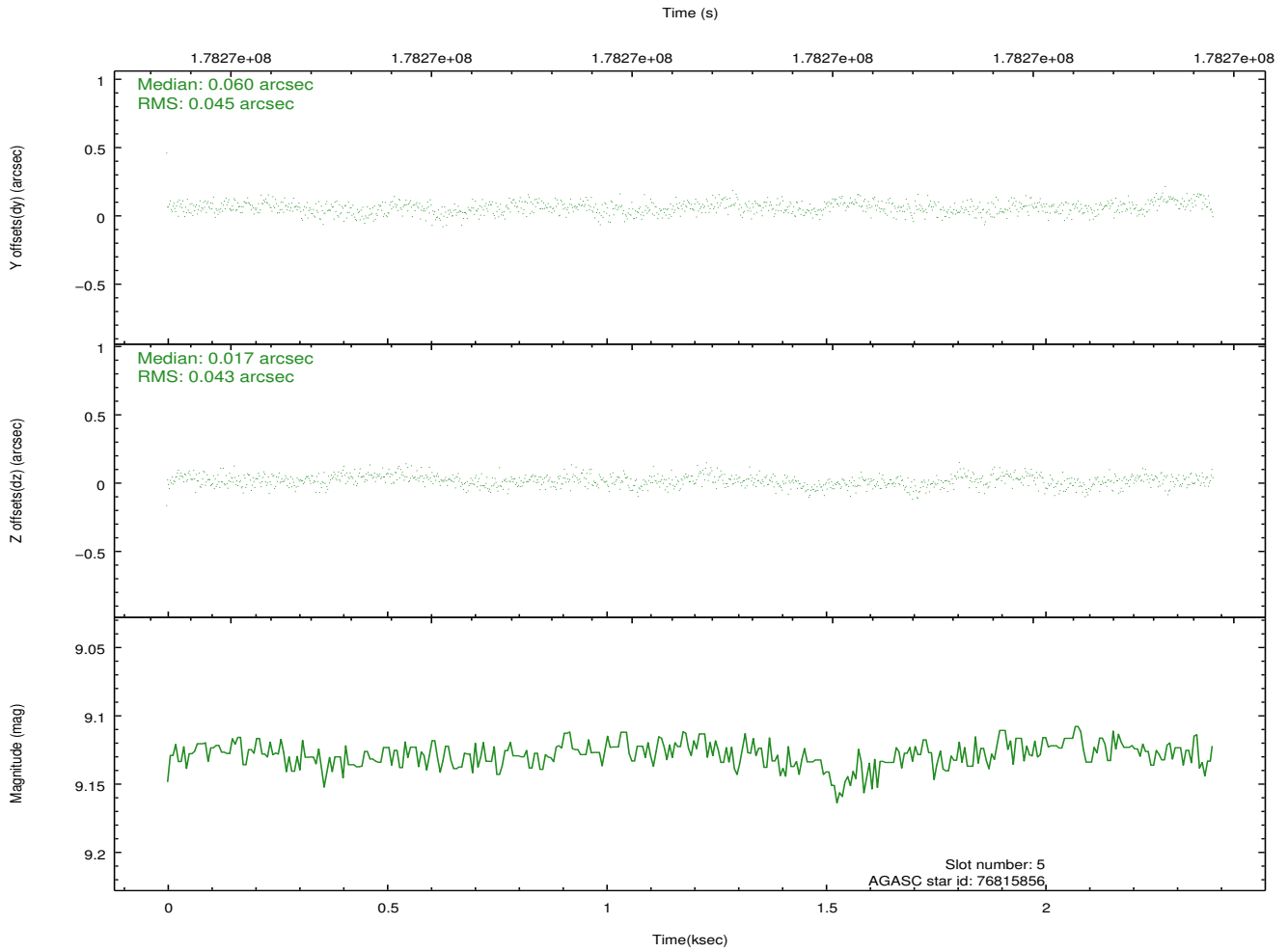
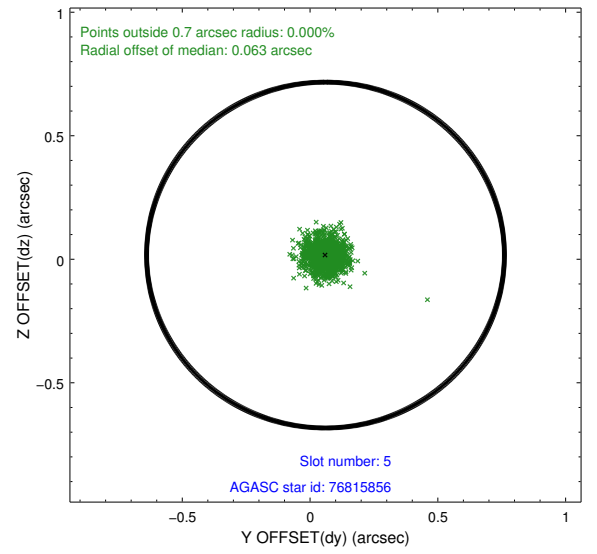
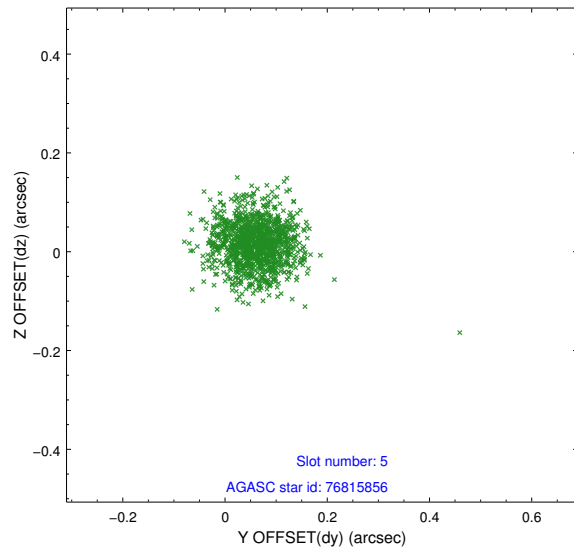
2.4.1 Slot 3



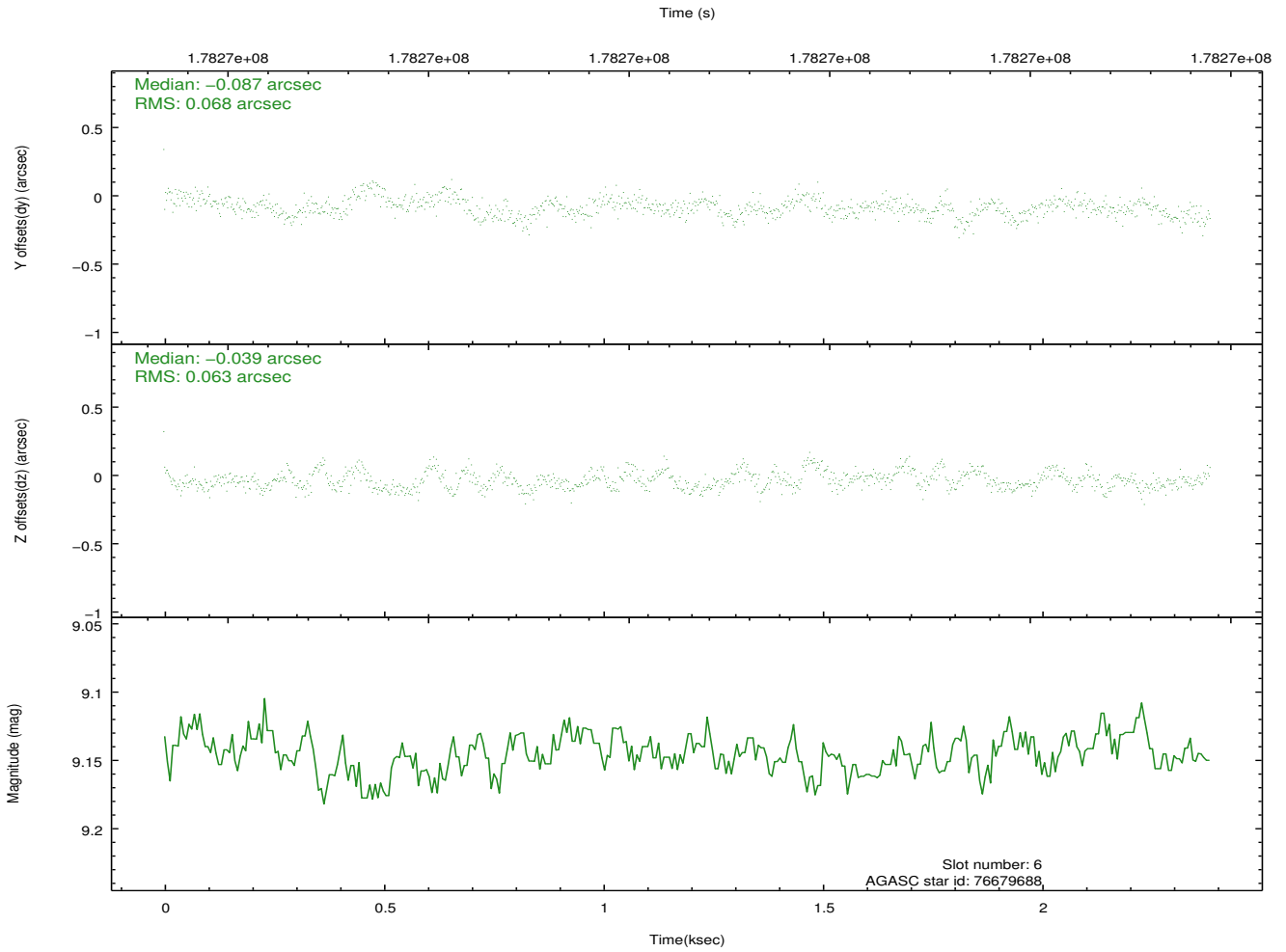
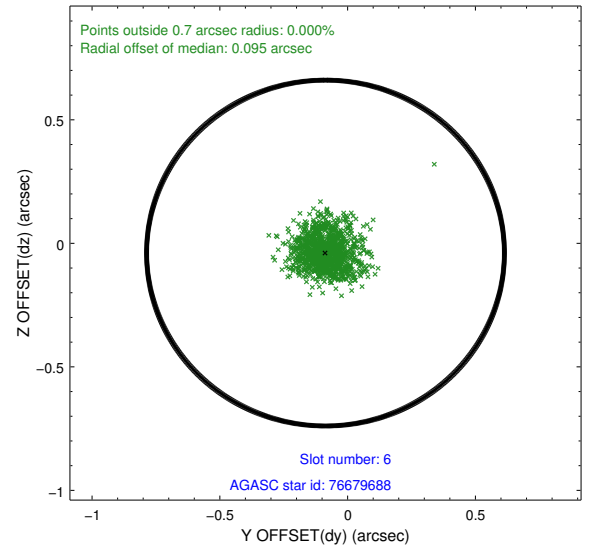
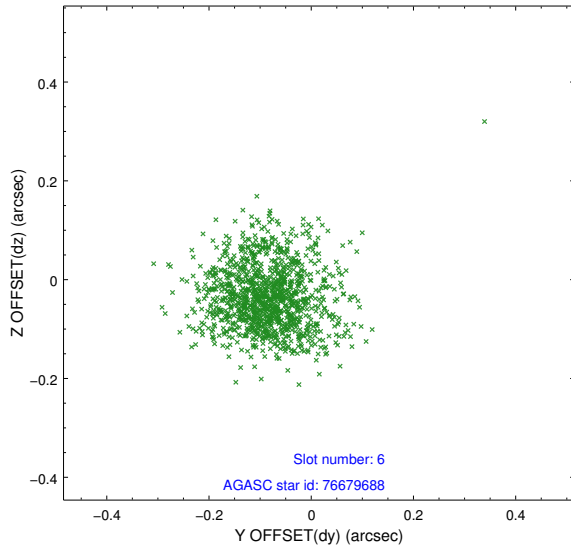
2.4.2 Slot 4



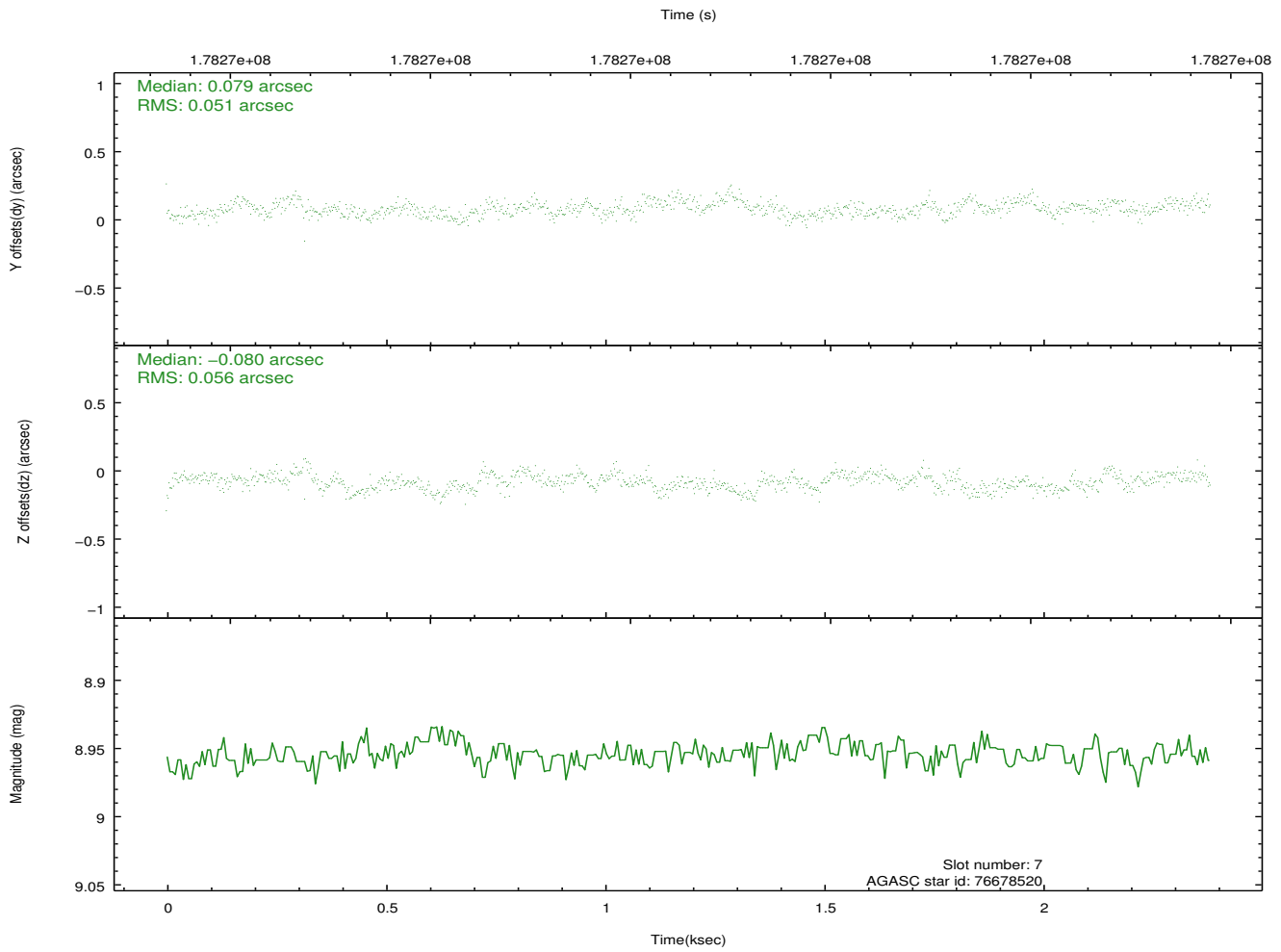
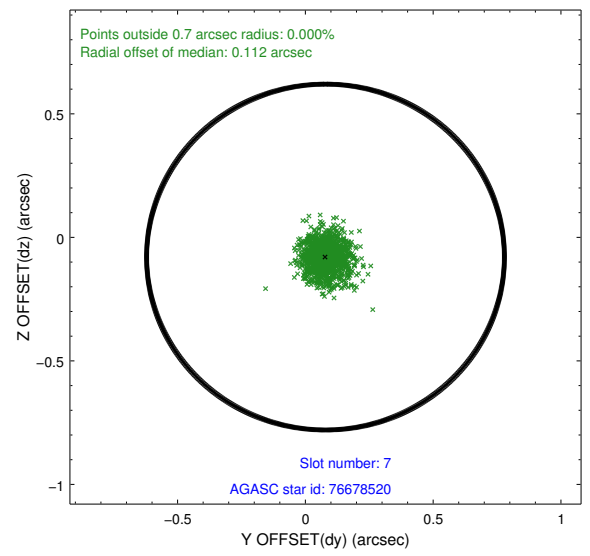
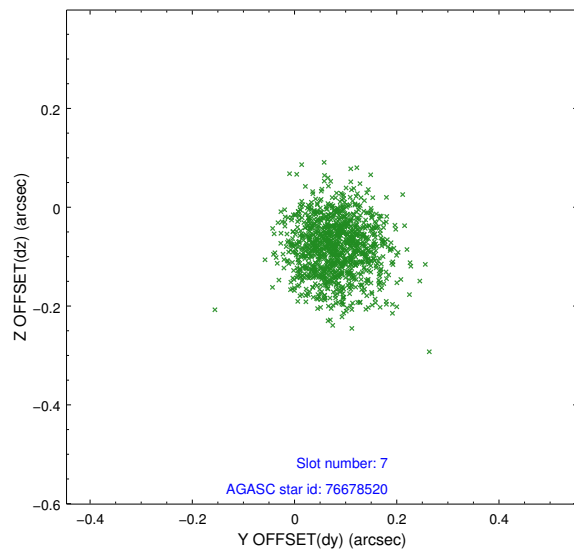
2.4.3 Slot 5



2.4.4 Slot 6

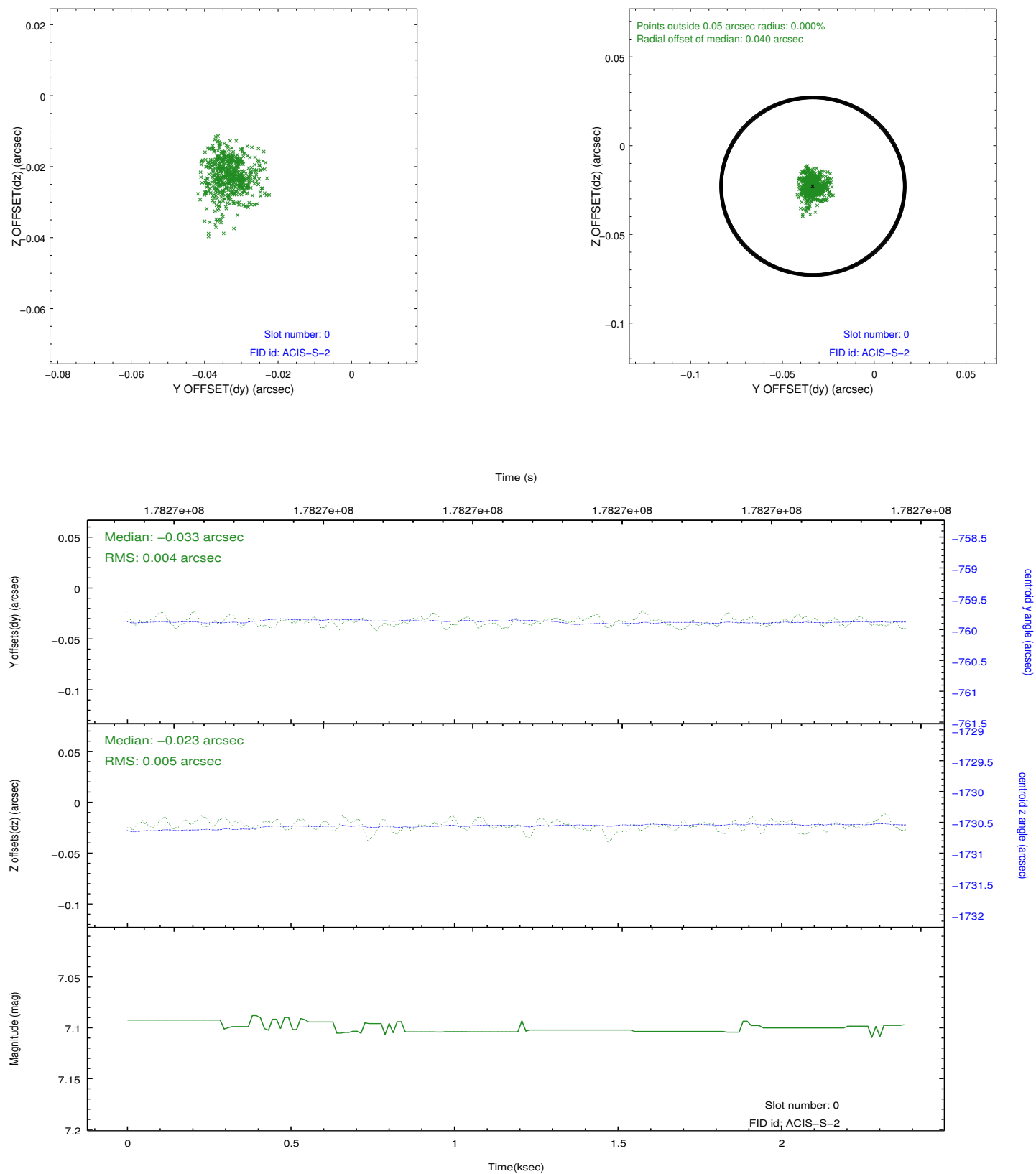


2.4.5 Slot 7

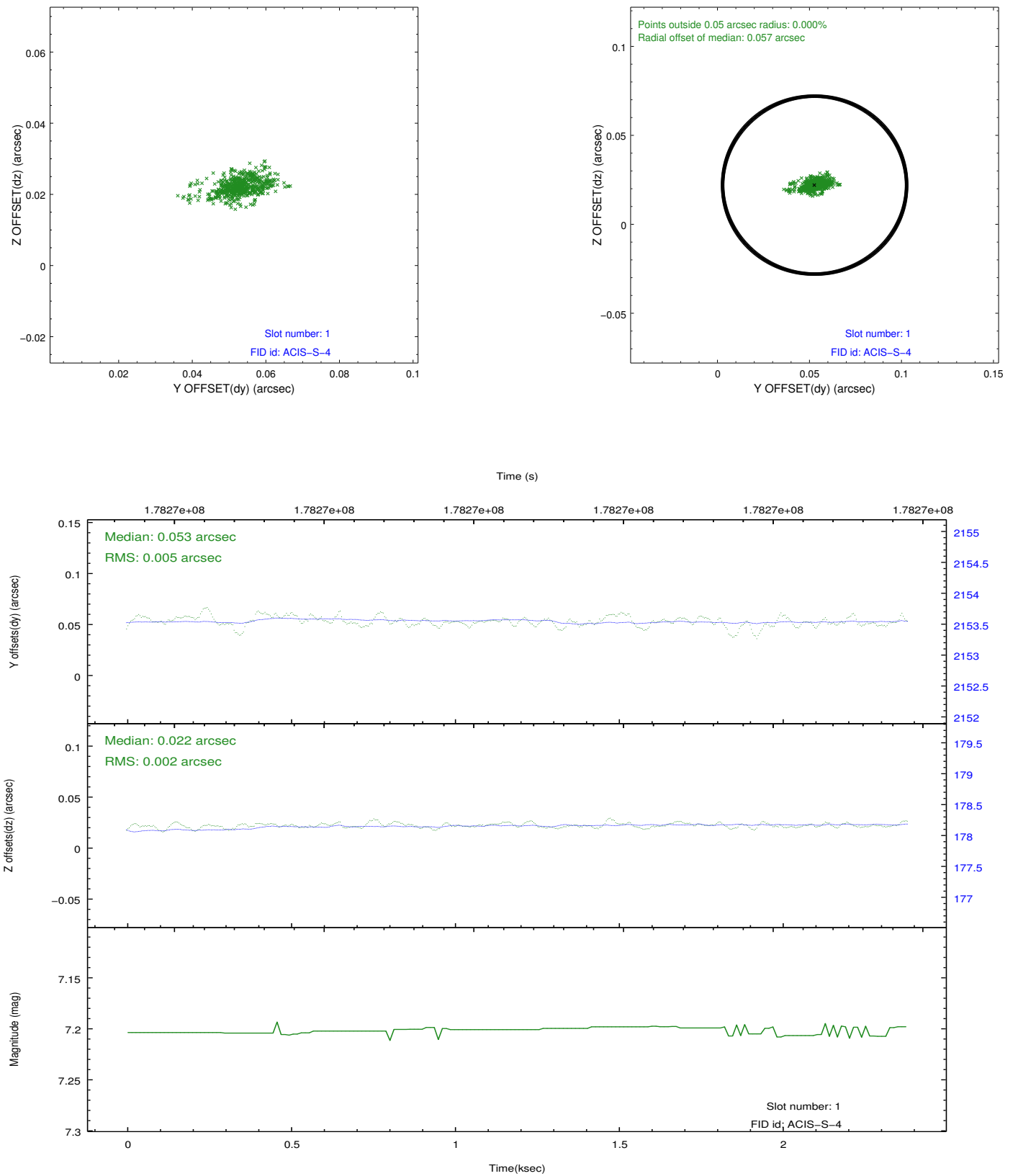


2.5 FID Slots

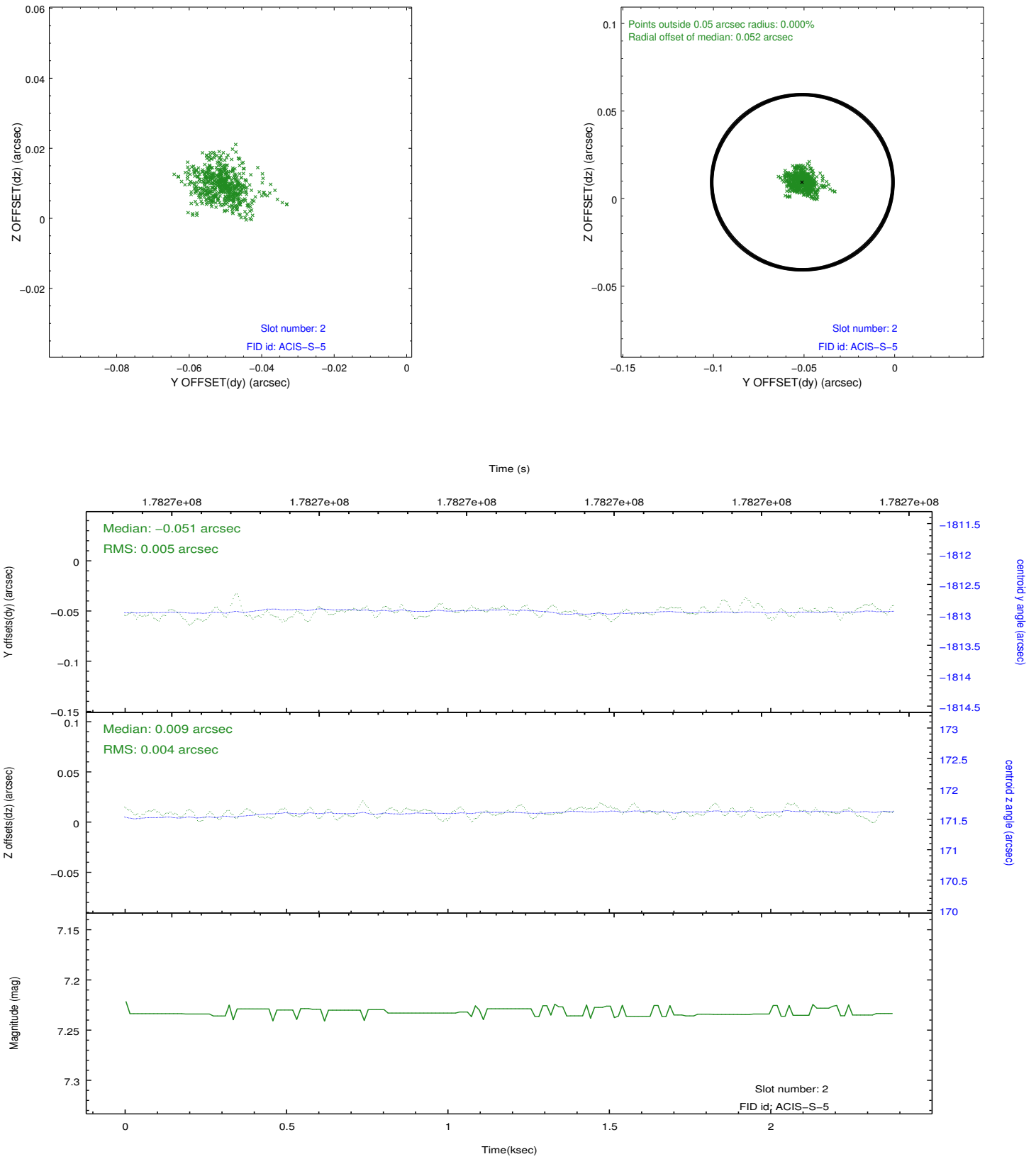
2.5.1 Slot 0



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	1.939

A.2 Comments