

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4093 - L2 Version 3
Chandra X-Ray Center

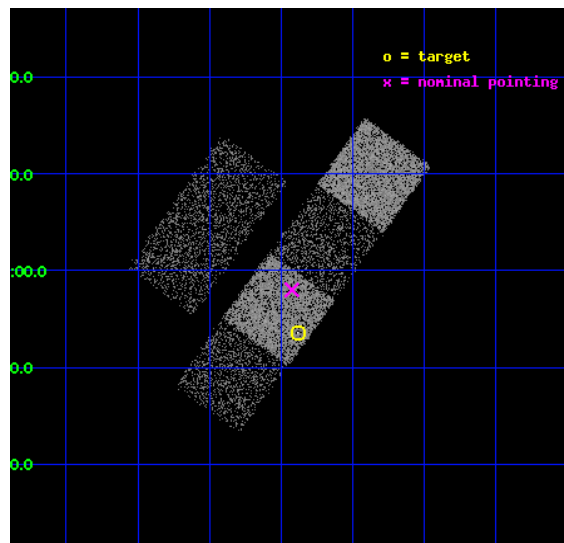
L2 Processing Date : Oct 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

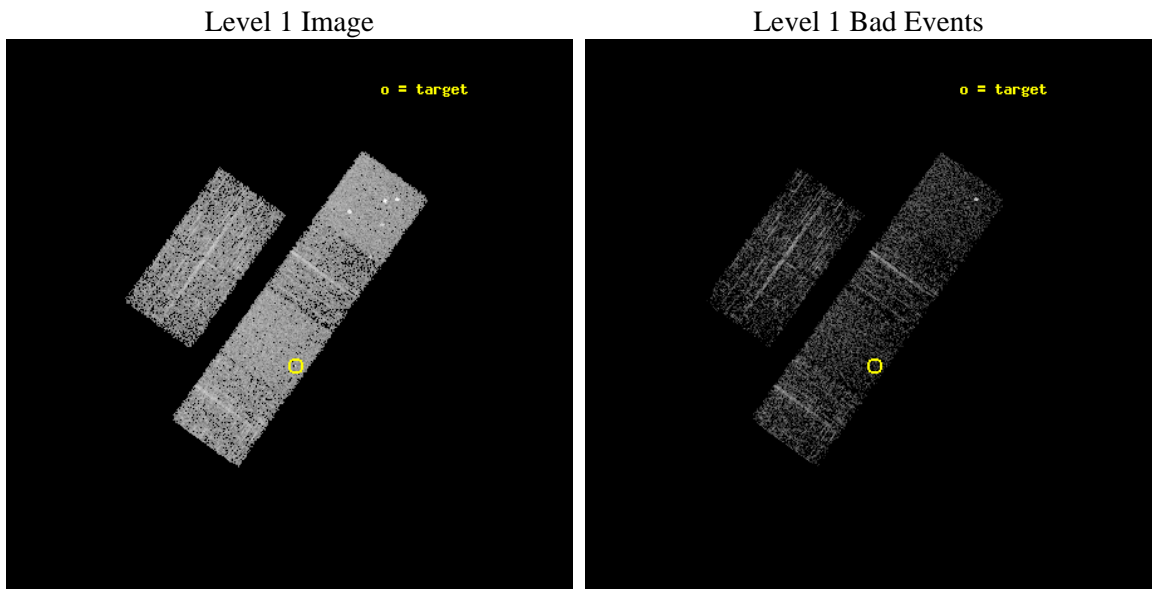
seq_num	700772	Sequence number
obs_id	4093	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J145123.02-000625.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.845833	Observer's specified target RA [deg]
dec_targ	-0.1072	Observer's specified target Dec [deg]
ra_nom	222.85633465873	Nominal RA [deg]
dec_nom	-0.033312199900135	Nominal Dec [deg]
roll_nom	125.75311654768	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2150.3999919891	Sum of GTIs [s]
livetime	2123.1703324751	Livetime [s]
ontime2	2150.3999919891	Sum of GTIs [s]
ontime3	2150.3999919891	Sum of GTIs [s]
ontime5	2150.3999919891	Sum of GTIs [s]
ontime6	2150.3999919891	Sum of GTIs [s]
ontime7	2150.3999919891	Sum of GTIs [s]
ontime8	2150.3999919891	Sum of GTIs [s]
l2events	21195	Number of level 2 events



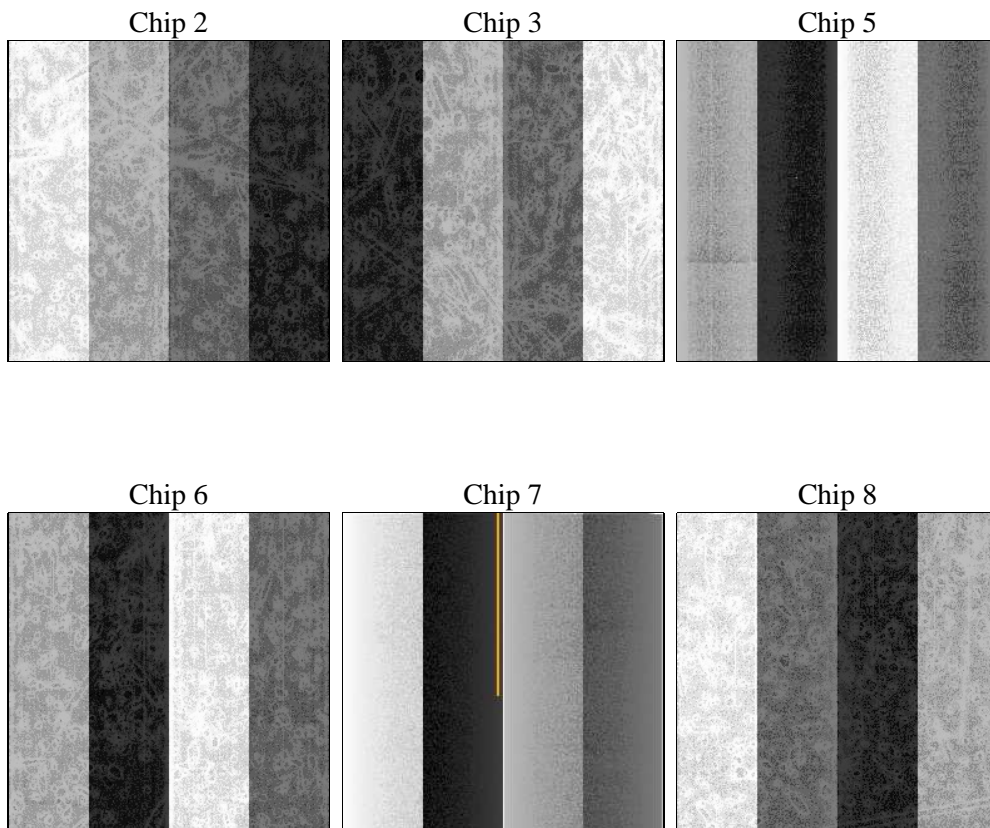
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2150.3999919891	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2150.3999919891	Sum of GTIs [s]
date	2012-10-26T16:53:41	Date and time of file creation	ontime3	2150.3999919891	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2150.3999919891	Sum of GTIs [s]
			ontime6	2150.3999919891	Sum of GTIs [s]
			ontime7	2150.3999919891	Sum of GTIs [s]
			ontime8	2150.3999919891	Sum of GTIs [s]
			l1events	135935	Number of level 1 events

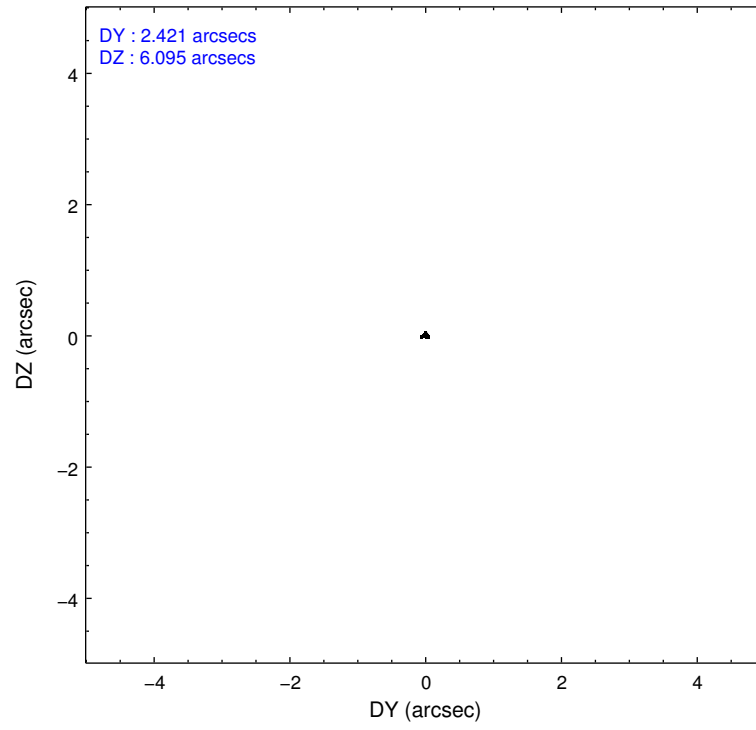
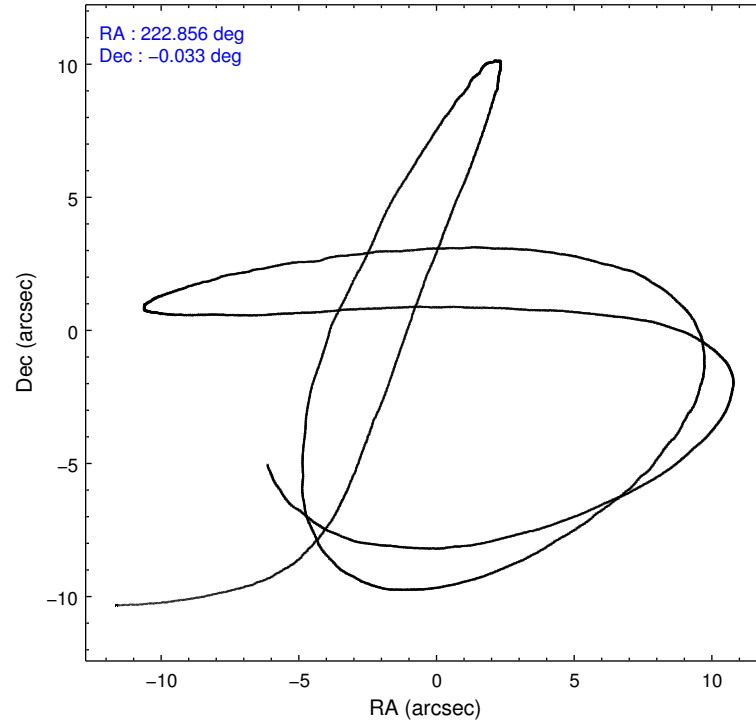
2.1.4 Events

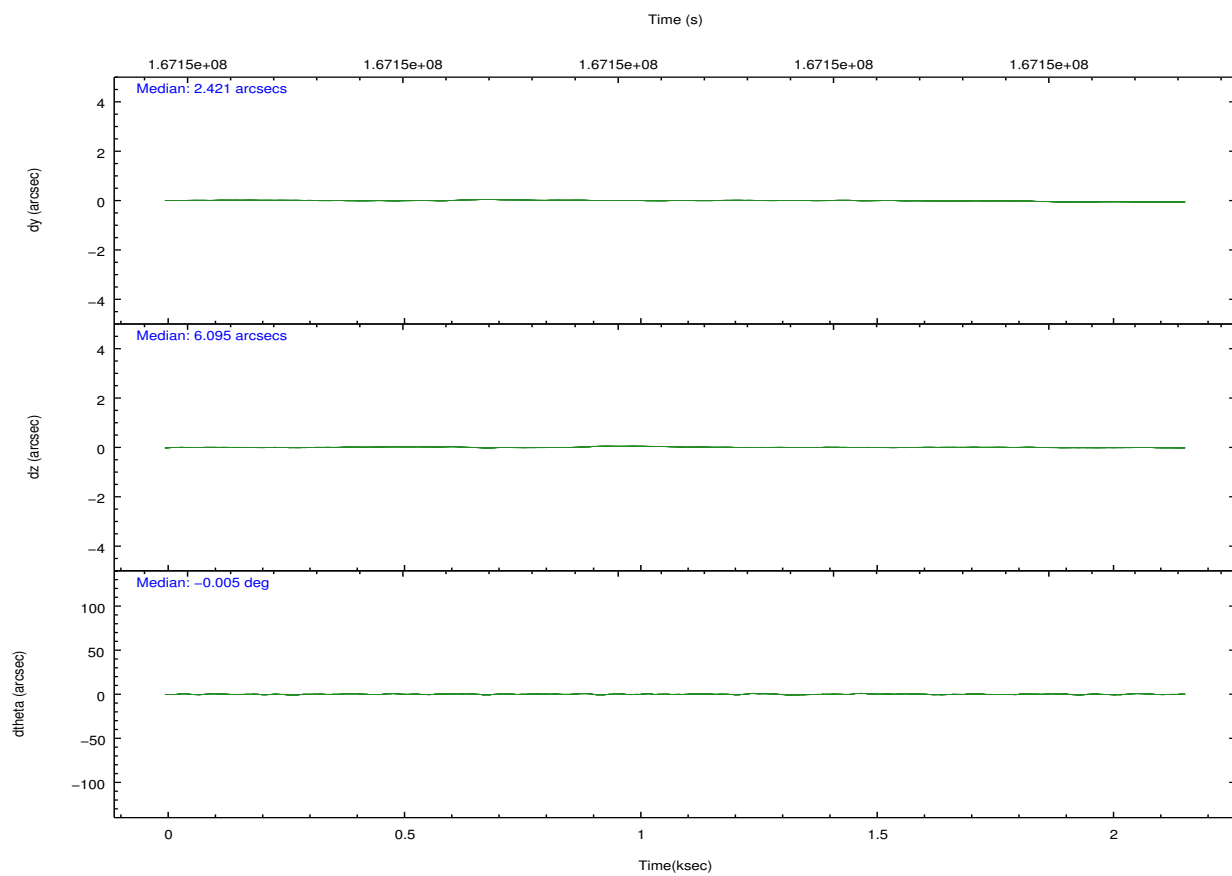
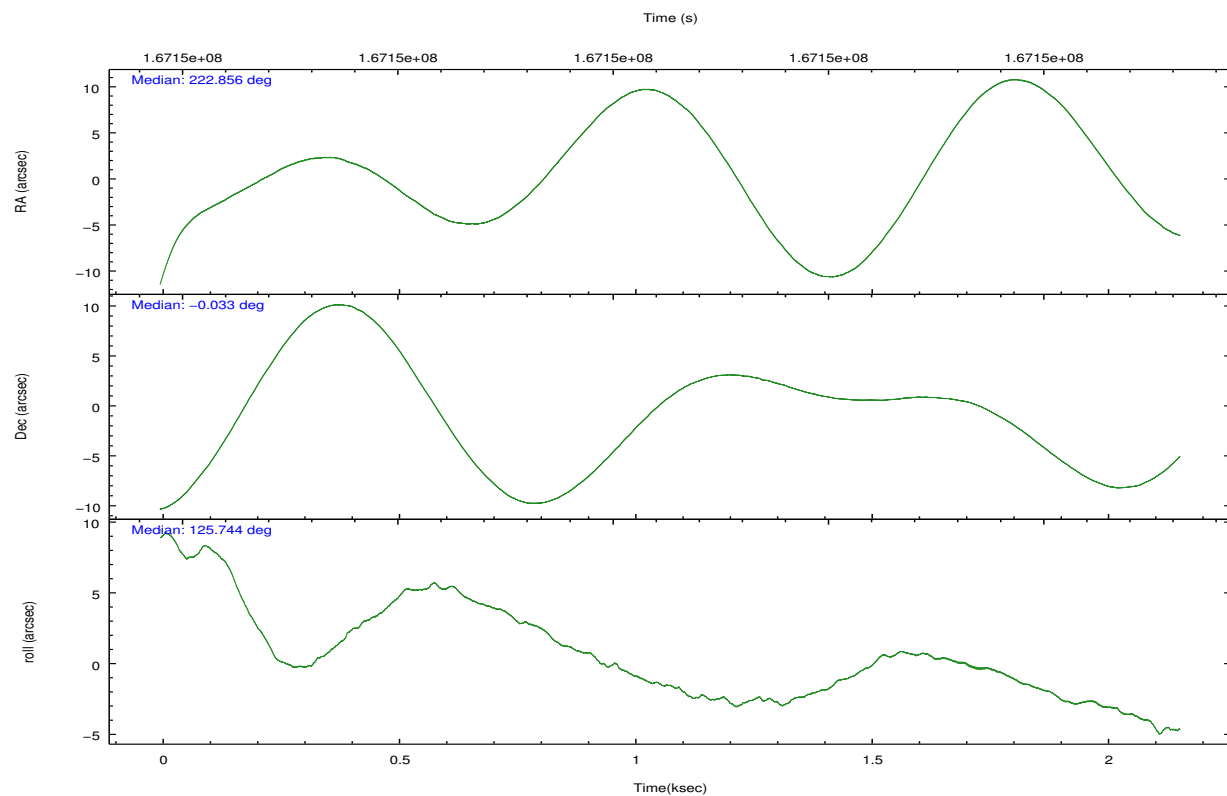
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19848	18088	29837	19113	25668	23381	grade 0 events	967	944	2885	912	1024	1500
rejected events	18229	16600	19574	17474	18197	20194		4%	5%	9%	4%	3%	6%
rejected %	91%	91%	65%	91%	70%	86%	grade 1 events	12	11	85	6	26	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	484	398	3895	481	2084	928
								2%	2%	13%	2%	8%	3%
							grade 3 events	257	194	516	245	963	482
								1%	1%	1%	1%	3%	2%
							grade 4 events	201	209	480	237	924	483
								1%	1%	1%	1%	3%	2%
							grade 5 events	787	807	2044	861	2397	1112
								3%	4%	6%	4%	9%	4%
							grade 6 events	383	360	6741	464	5566	1065
								1%	1%	22%	2%	21%	4%
							grade 7 events	16757	15165	13191	15907	12684	17795
								84%	83%	44%	83%	49%	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	222.881375	222.8563346587275	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.044040	-0.03331219990013528	Alternating exposures requested	N	N
[deg] Pointing Roll	125.596452	125.7531165476837	[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)	167148712.184000	167147193.36161			
Observation start date	2003-04-19T14:10:48	2003-04-19T13:46:33			
[s] Observation end time (MET)	167150712.184000	167151500.92429			
Observation end date	2003-04-19T14:44:08	2003-04-19T14:58:20			
Read mode	TIMED	TIMED			

2.3 Aspect



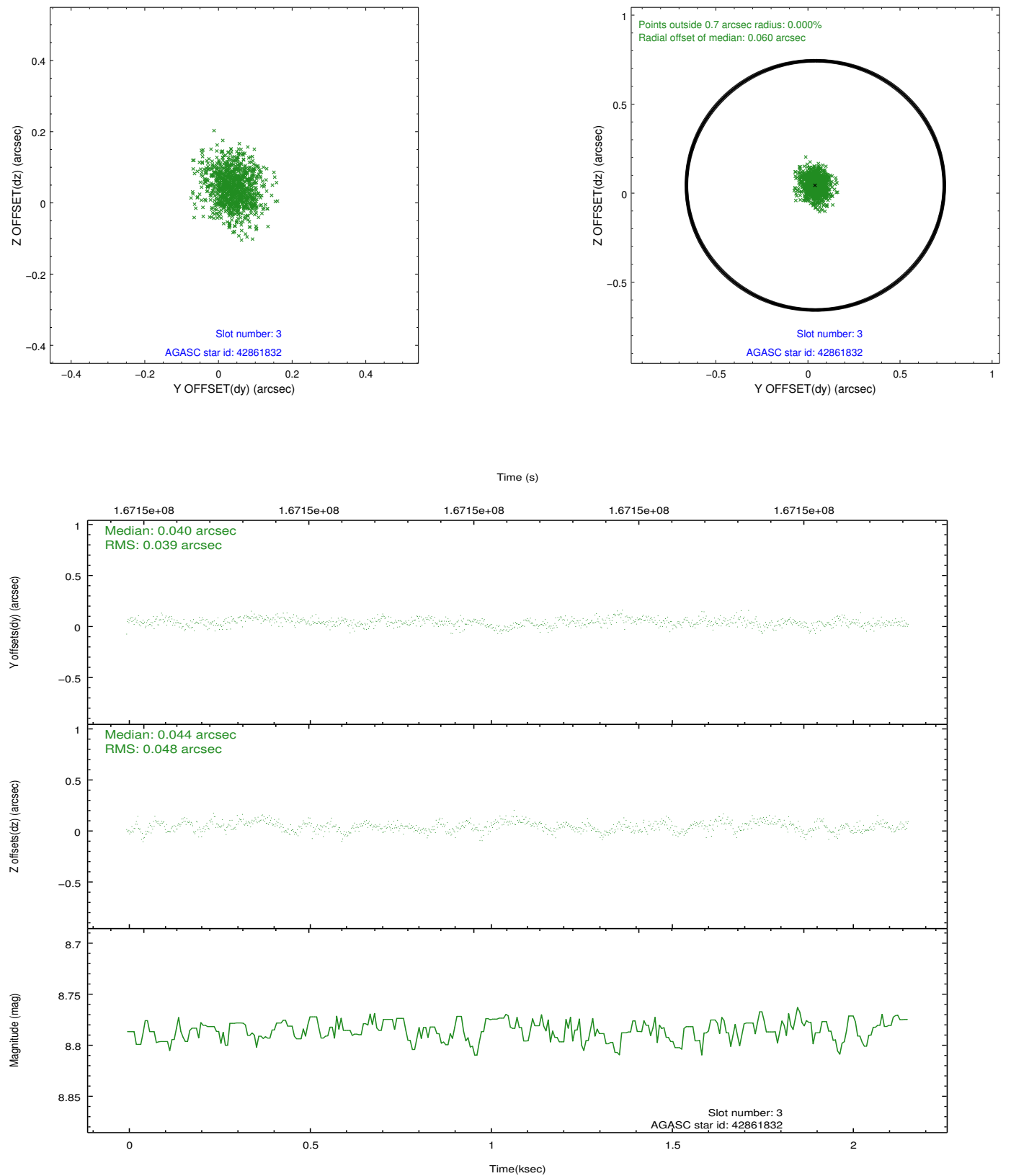


Slot Statistics

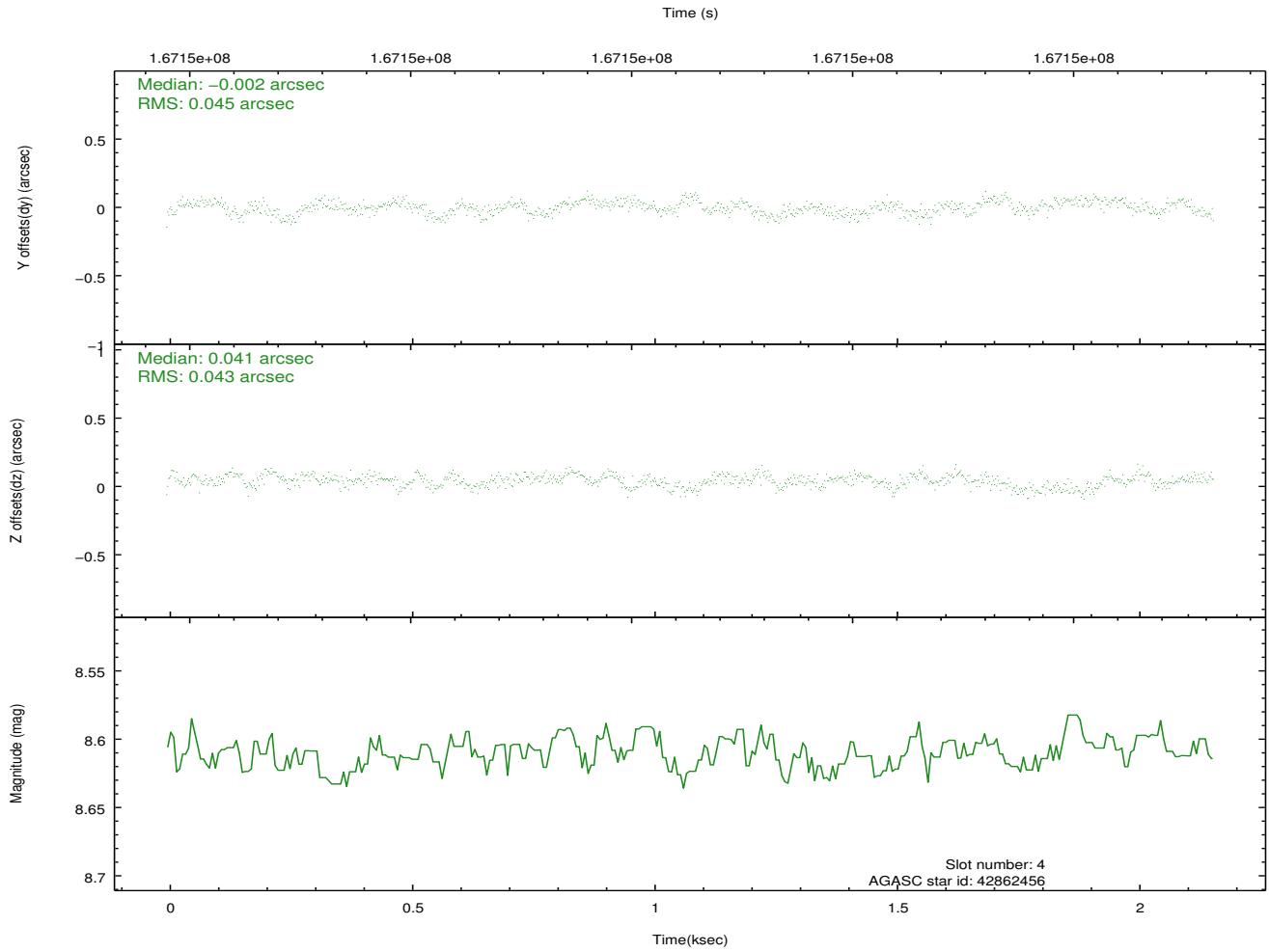
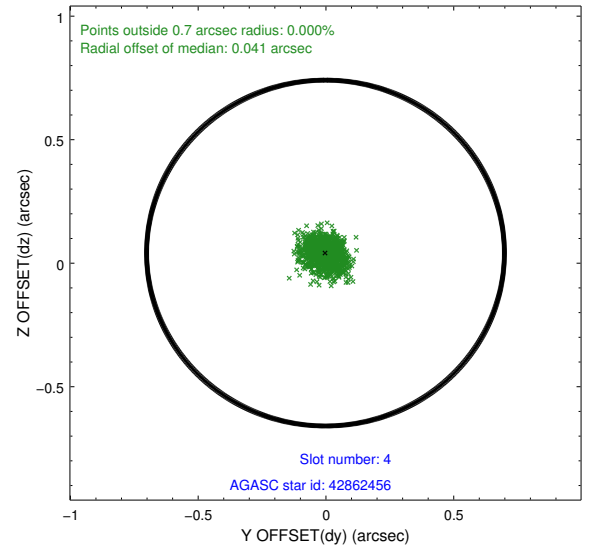
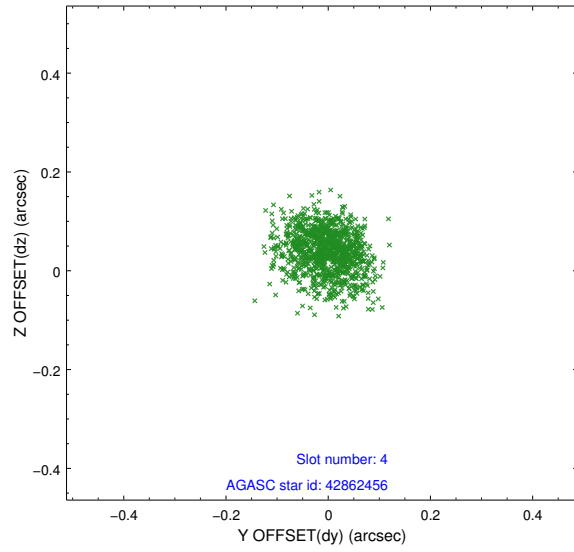
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	527	-0.052	0.001	0.007	0.011	0.000000	0.000000	-755.05	-1727.21
1	FID	ACIS-S-4	7.21	527	0.010	0.025	0.006	0.011	0.000000	0.000000	2156.88	178.26
2	FID	ACIS-S-5	7.24	527	0.011	-0.017	0.007	0.011	0.000000	0.000000	-1803.98	175.22
3	GUIDE	42861832	8.79	1054	0.040	0.044	0.065	0.108	223.127411	0.110424	-63.51	-1043.29
4	GUIDE	42862456	8.61	1054	-0.002	0.041	0.067	0.108	223.153805	0.017804	-389.35	-928.07
5	GUIDE	42862688	8.53	1053	-0.131	0.036	0.078	0.123	222.786006	0.556783	1958.73	-980.37
6	GUIDE	653525608	8.69	1053	0.078	0.024	0.069	0.124	222.704311	-0.557503	-1130.02	1593.05
7	GUIDE	653526368	8.93	1051	0.005	-0.137	0.096	0.149	222.618552	-0.823216	-1731.28	2403.26

2.4 Star Slots

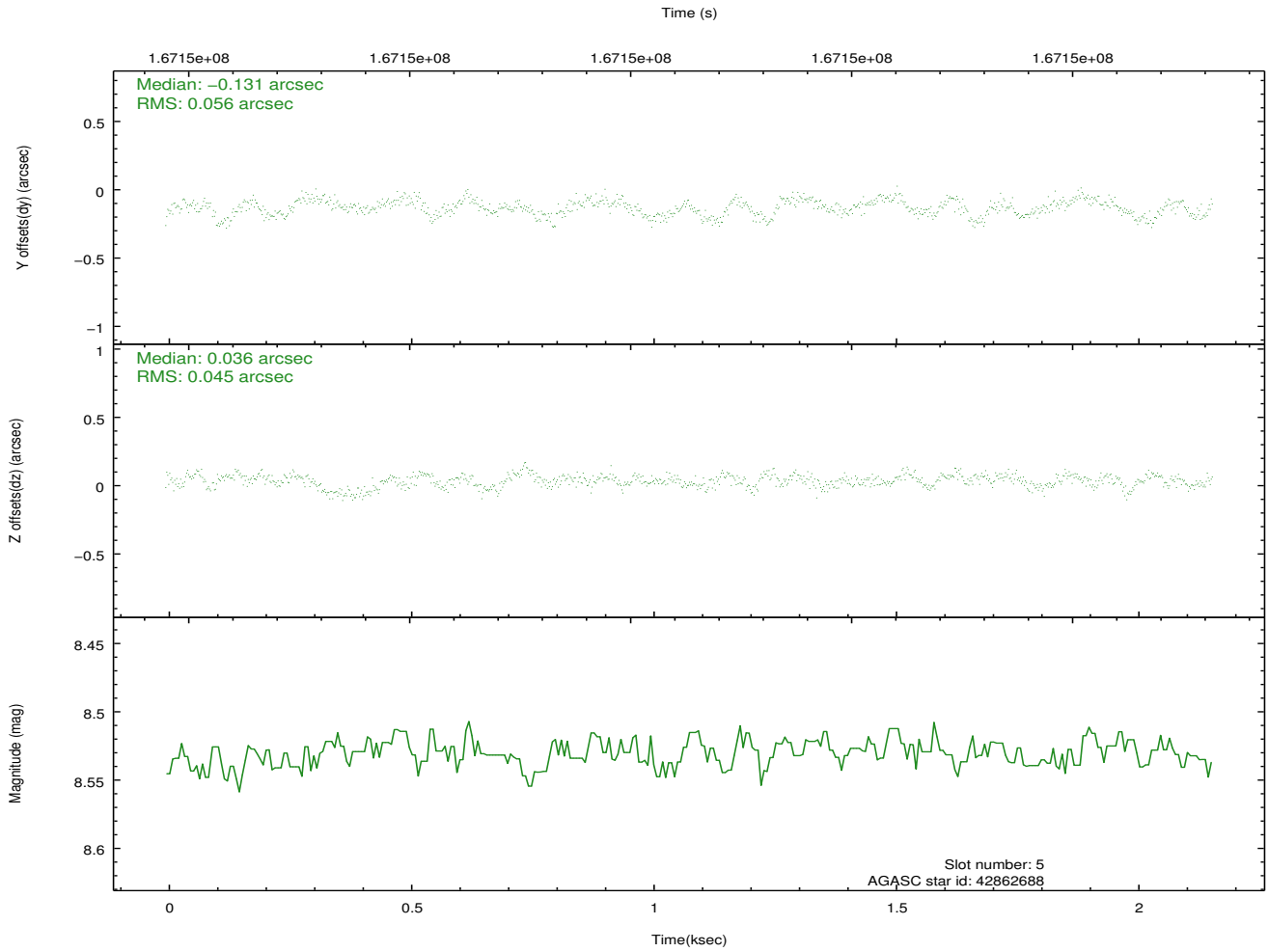
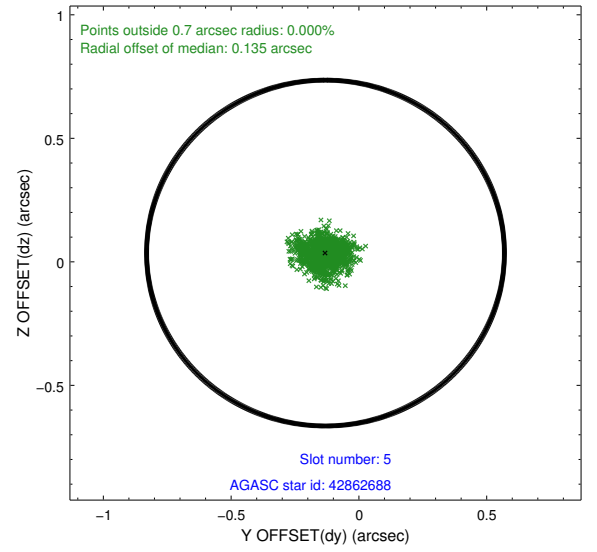
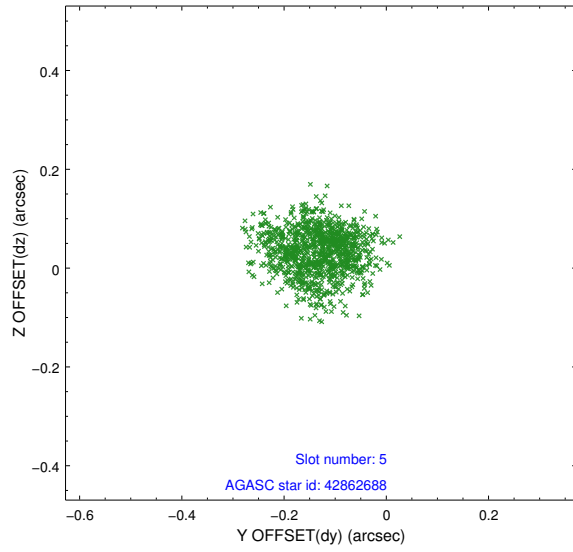
2.4.1 Slot 3



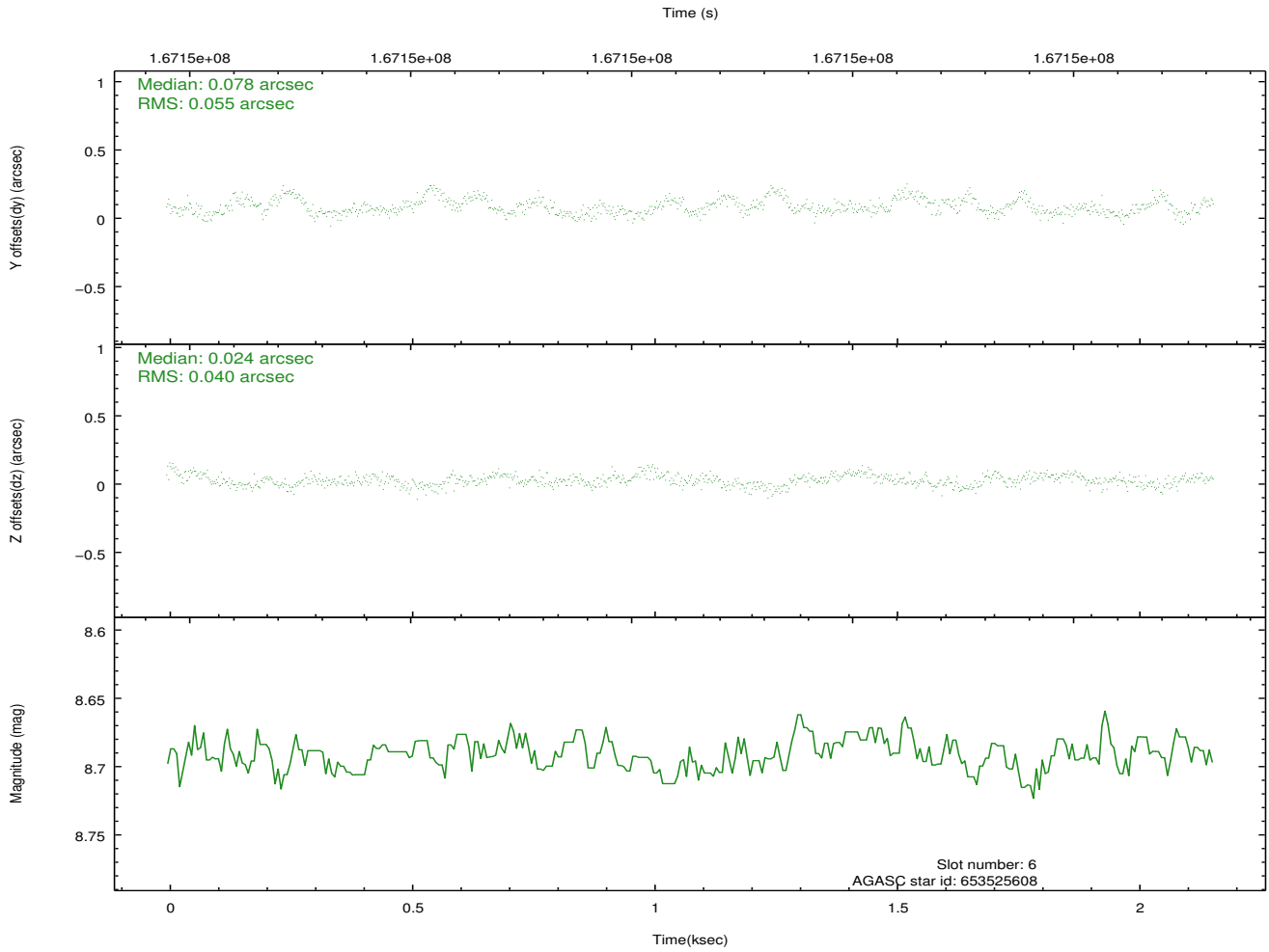
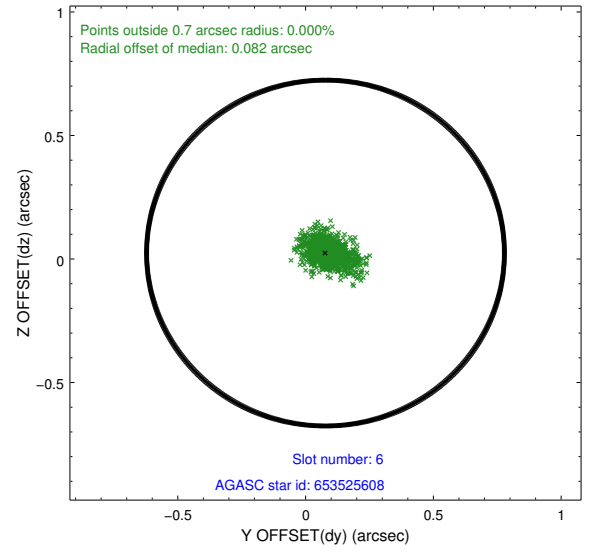
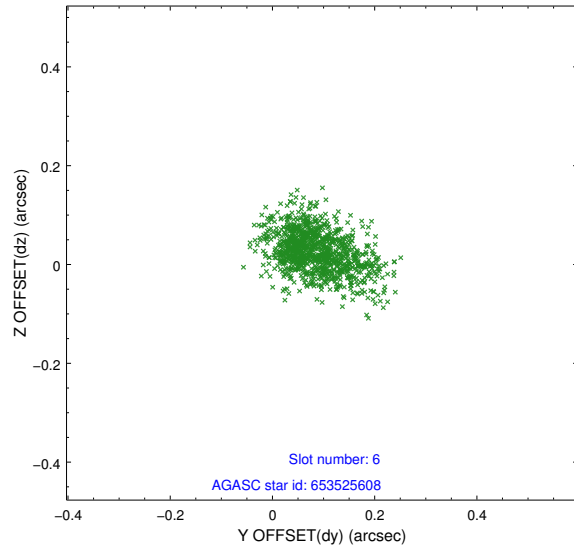
2.4.2 Slot 4



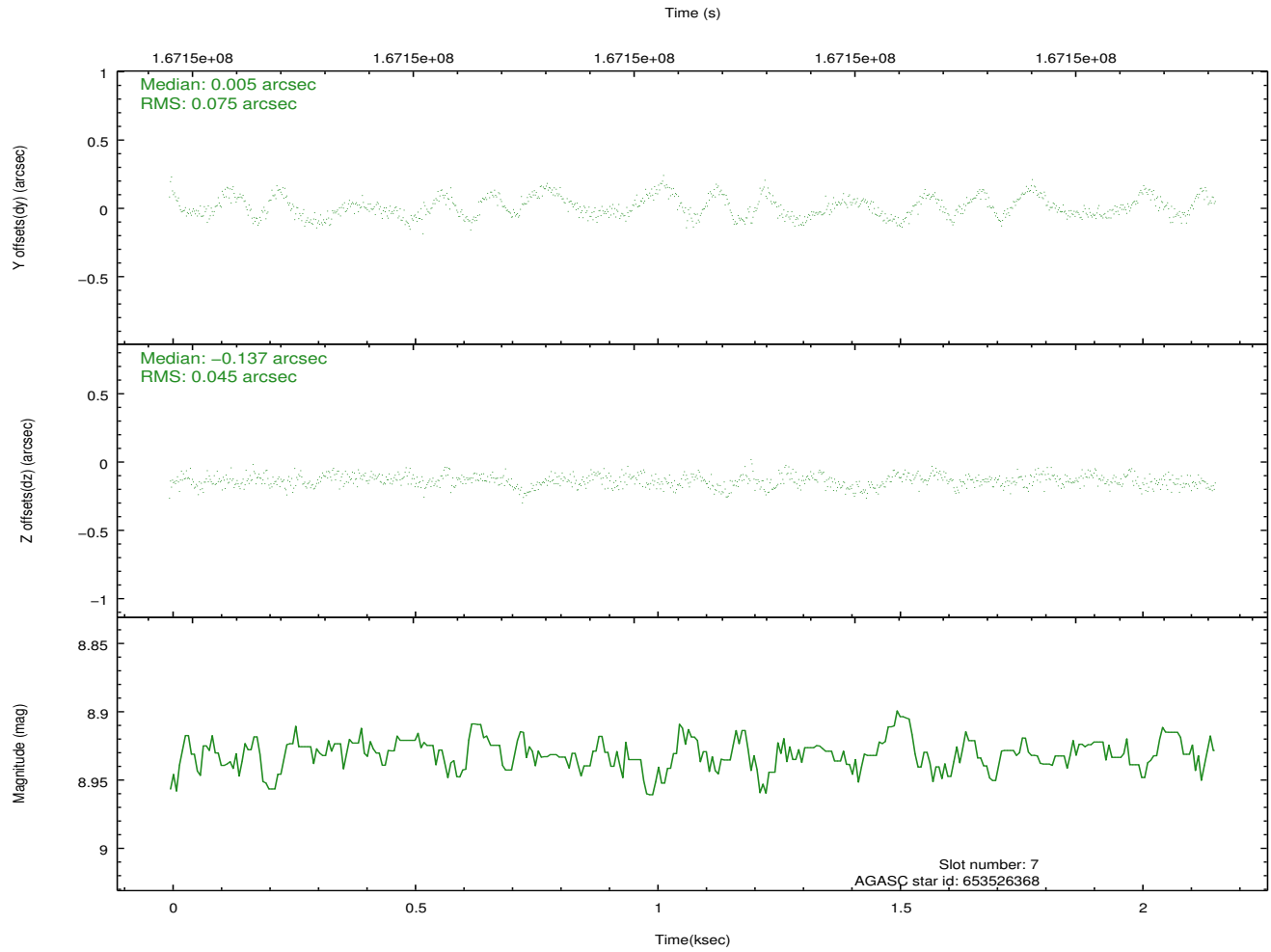
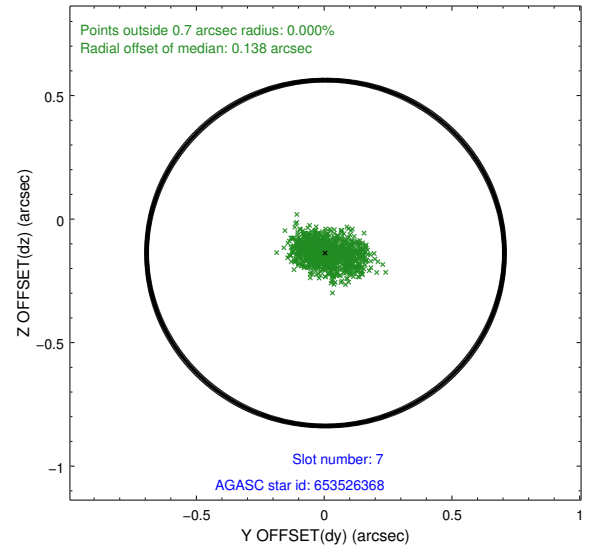
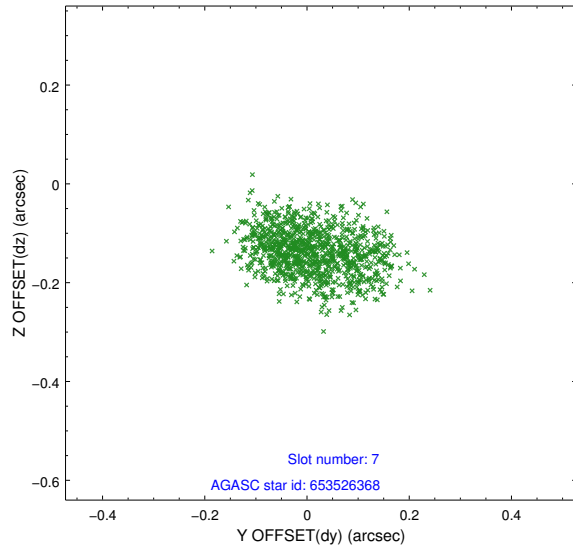
2.4.3 Slot 5



2.4.4 Slot 6

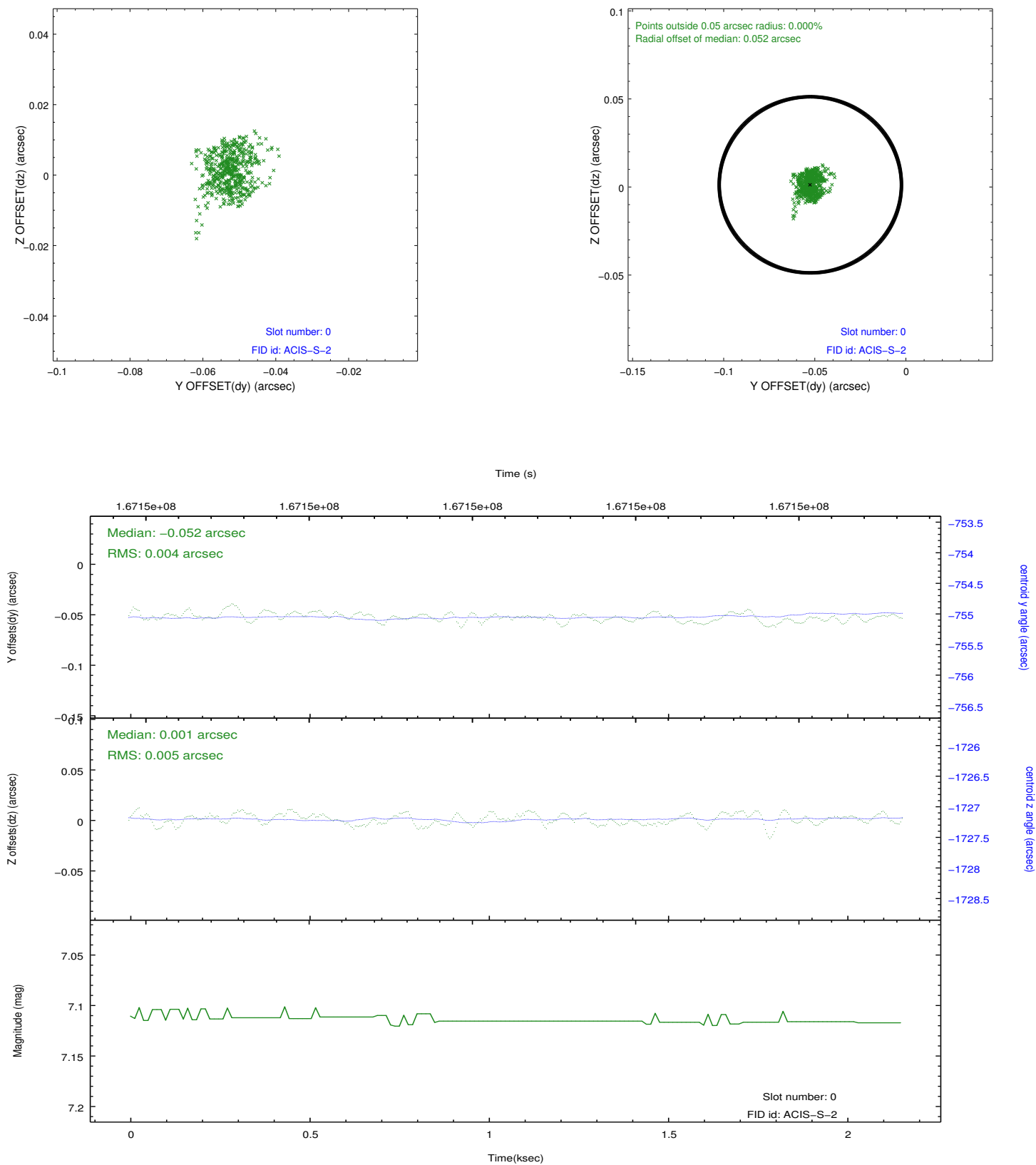


2.4.5 Slot 7

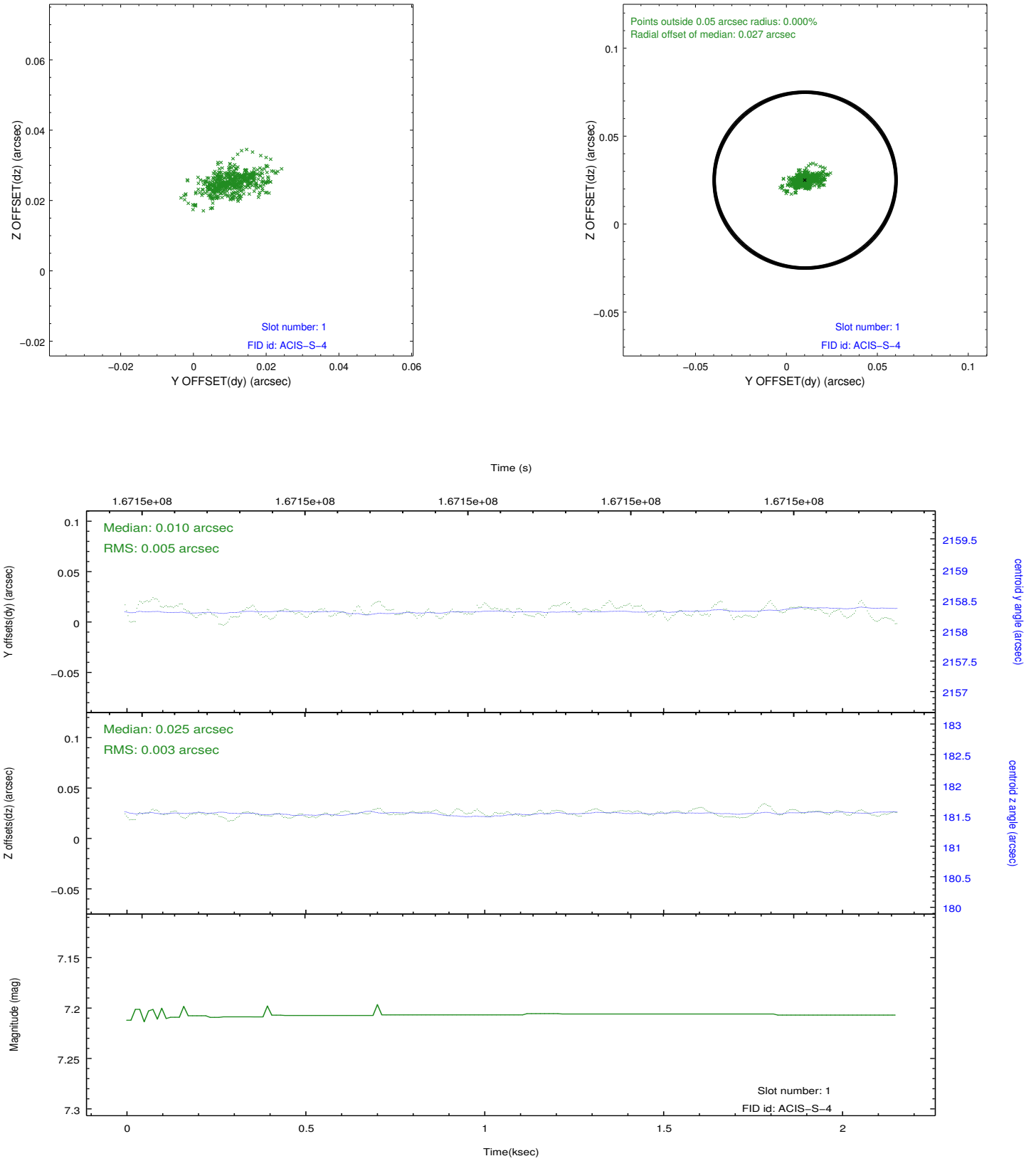


2.5 FID Slots

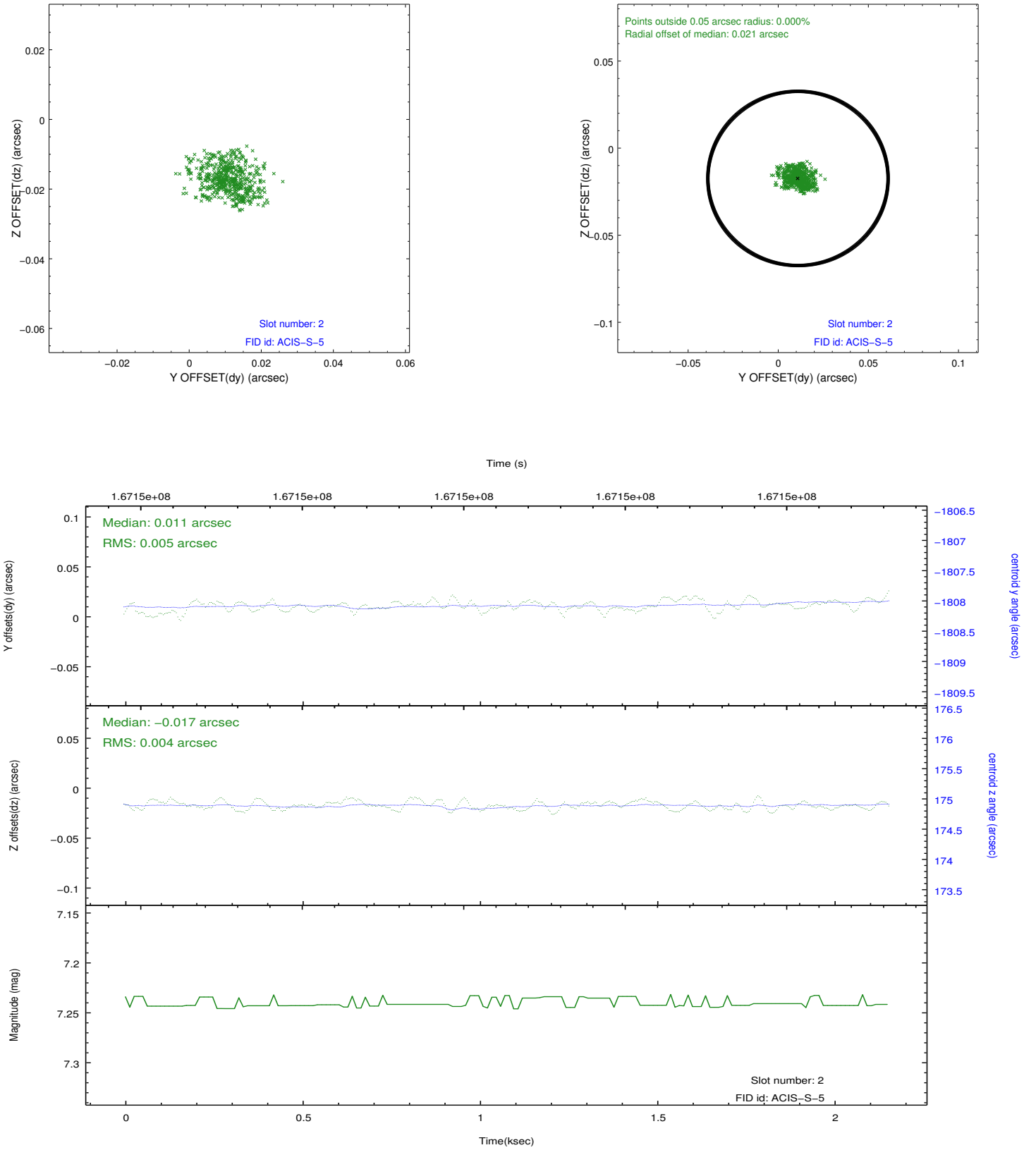
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15

A.2 Comments