

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7100 - L2 Version 2
Chandra X-Ray Center

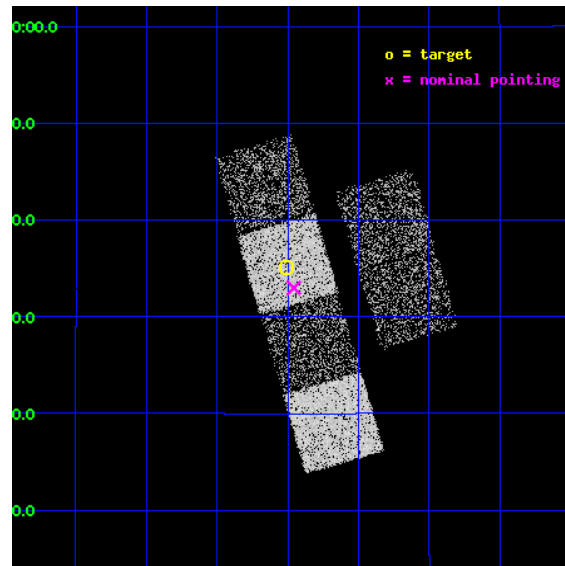
L2 Processing Date : Apr 5 2012

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

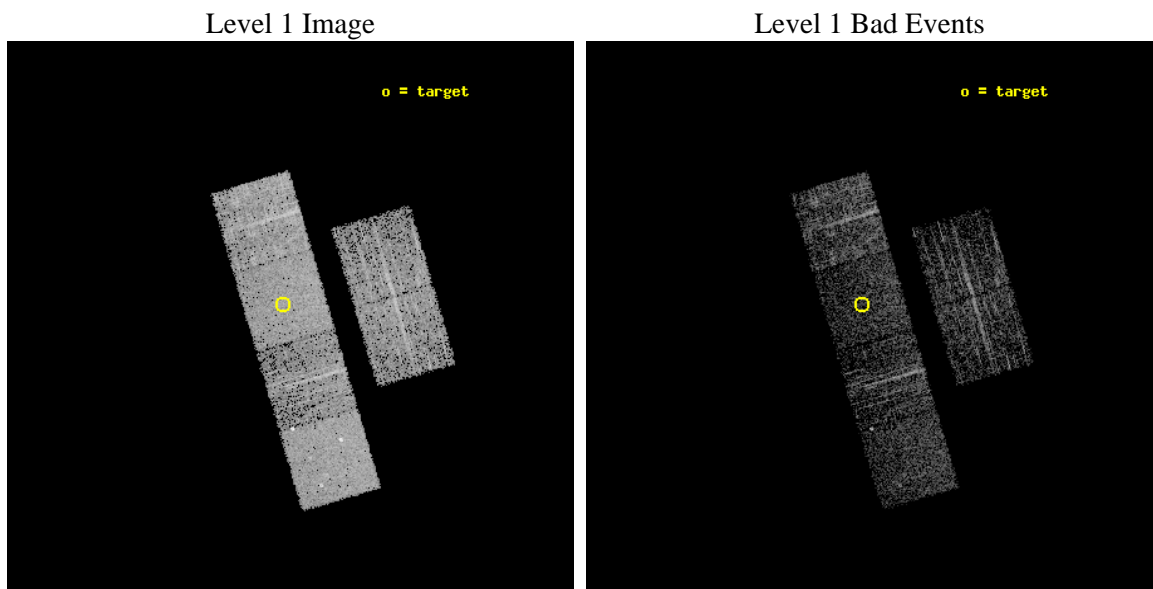
seq_num	600538	Sequence number
obs_id	7100	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4207	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.876667	Observer's specified target RA [deg]
dec_targ	9.585	Observer's specified target Dec [deg]
ra_nom	183.86426896113	Nominal RA [deg]
dec_nom	9.5497682030931	Nominal Dec [deg]
roll_nom	253.65624930847	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1753.5999935269	Sum of GTIs [s]
livetime	1731.3948545177	Livetime [s]
ontime2	1753.5999935269	Sum of GTIs [s]
ontime3	1753.5999935269	Sum of GTIs [s]
ontime5	1753.5999935269	Sum of GTIs [s]
ontime6	1753.5999935269	Sum of GTIs [s]
ontime7	1753.5999935269	Sum of GTIs [s]
ontime8	1747.1181526184	Sum of GTIs [s]
l2events	25129	Number of level 2 events



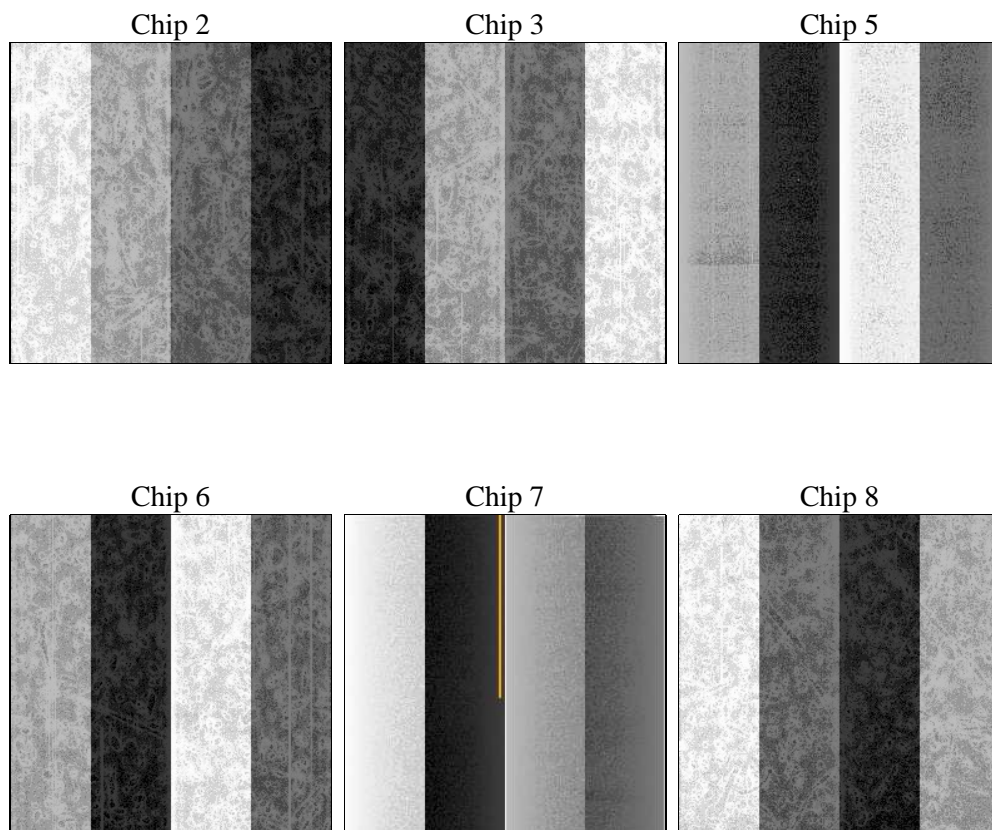
2 OBI

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	8.4.3.1	Processing system revision	ontime	1753.5999935269	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1753.5999935269	Sum of GTIs [s]
date	2012-04-06T02:32:52	Date and time of file creation	ontime3	1753.5999935269	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1753.5999935269	Sum of GTIs [s]
			ontime6	1753.5999935269	Sum of GTIs [s]
			ontime7	1753.5999935269	Sum of GTIs [s]
			ontime8	1747.1181526184	Sum of GTIs [s]
			l1events	115376	Number of level 1 events

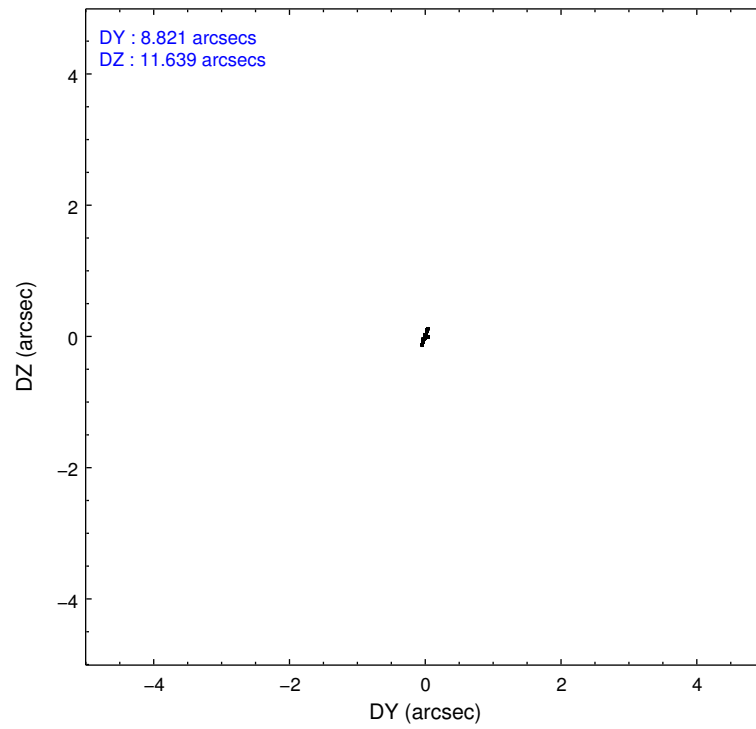
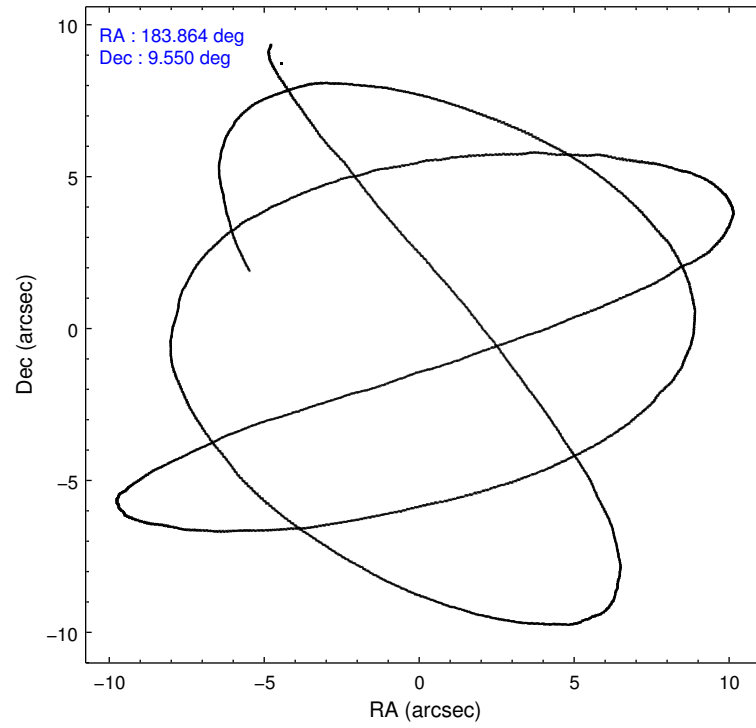
2.1.4 Events

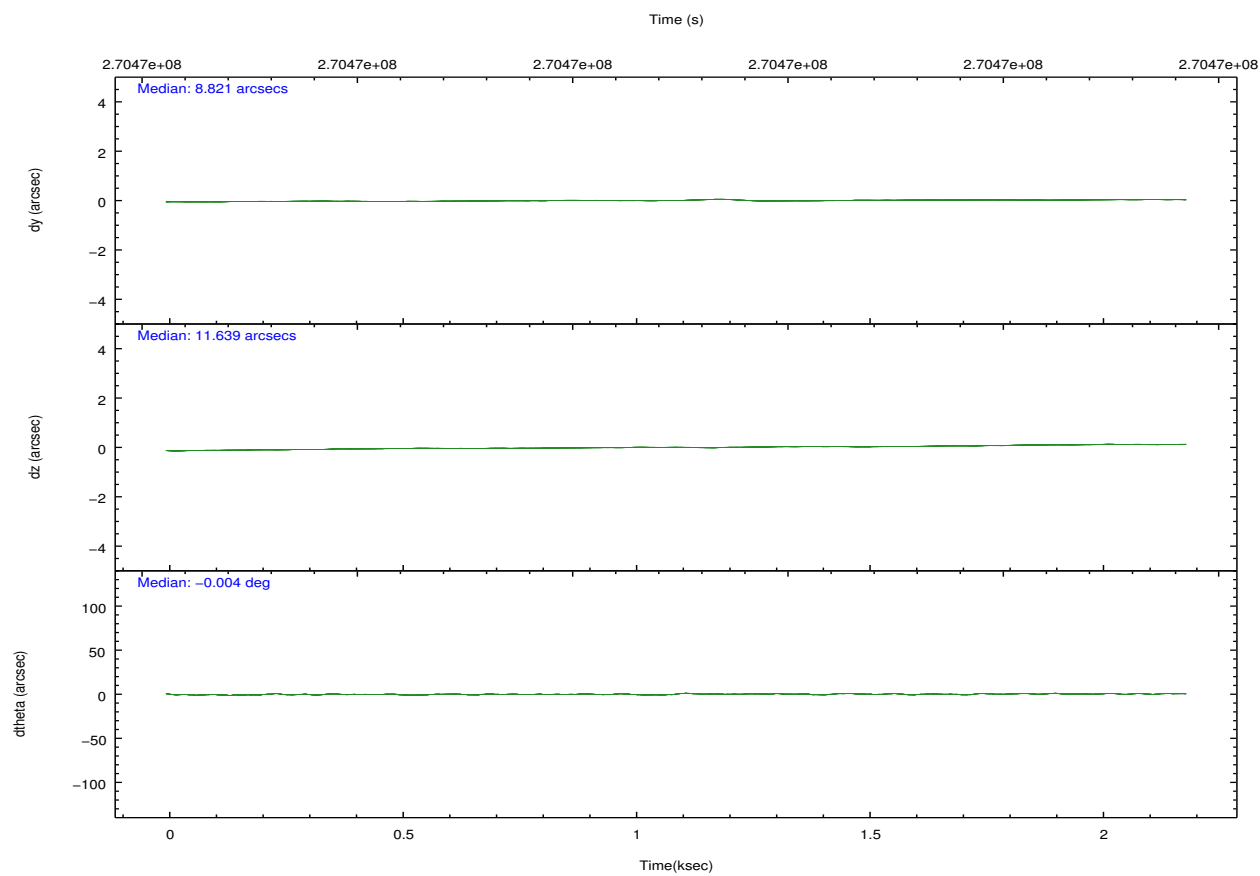
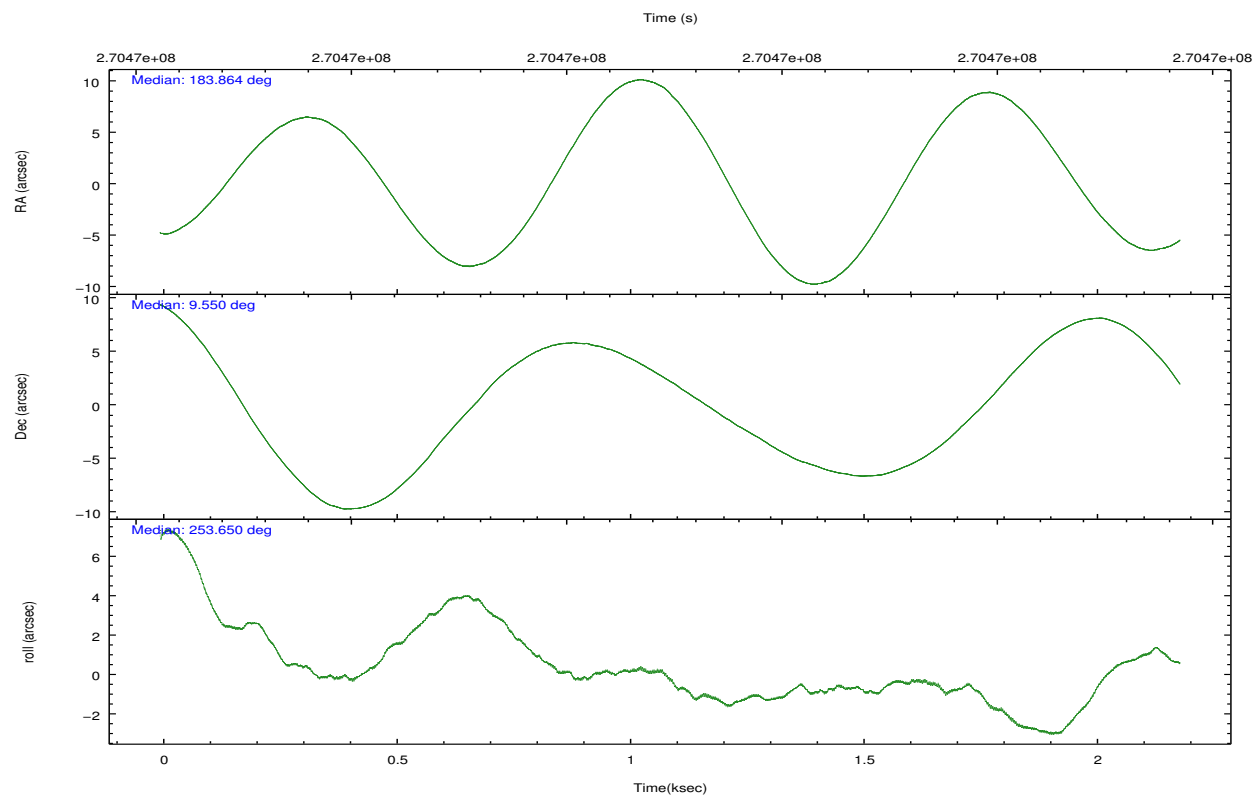
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16005	15194	24139	15484	21234	23320	grade 0 events	833	763	1248	706	794	1198
rejected events	14116	13438	12894	13666	12299	19222		5%	5%	5%	4%	3%	5%
rejected %	88%	88%	53%	88%	57%	82%	grade 1 events	11	12	81	6	17	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	419	331	3297	425	1787	988
								2%	2%	13%	2%	8%	4%
							grade 3 events	176	199	467	176	818	349
								1%	1%	1%	1%	3%	1%
							grade 4 events	167	165	399	164	802	343
								1%	1%	1%	1%	3%	1%
							grade 5 events	588	666	1819	735	1954	889
								3%	4%	7%	4%	9%	3%
							grade 6 events	302	303	5878	356	4763	1249
								1%	1%	24%	2%	22%	5%
							grade 7 events	13509	12755	10950	12916	10299	18284
								84%	83%	45%	83%	48%	78%

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	183.857397	183.864268961133	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.576023	9.54976820309313	Alternating exposures requested	N	N
[deg] Pointing Roll	253.500778	253.6562493084742	[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)	270469329.184000	270468848.75506			
Observation start date	2006-07-28T10:21:04	2006-07-28T10:14:08			
[s] Observation end time (MET)	270471329.184000	270472219.98021			
Observation end date	2006-07-28T10:54:24	2006-07-28T11:10:19			
Read mode	TIMED	TIMED			

2.3 Aspect



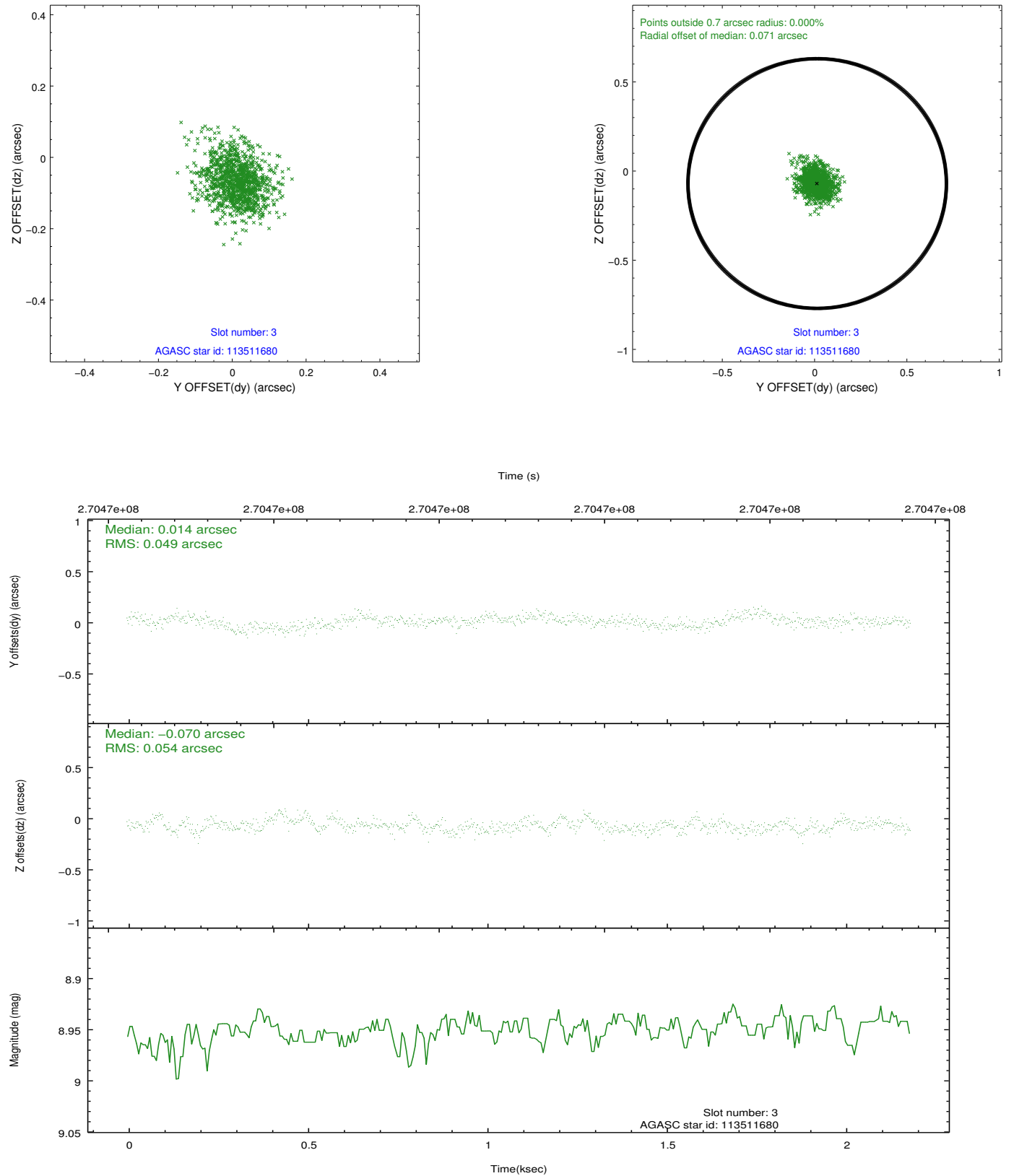


Slot Statistics

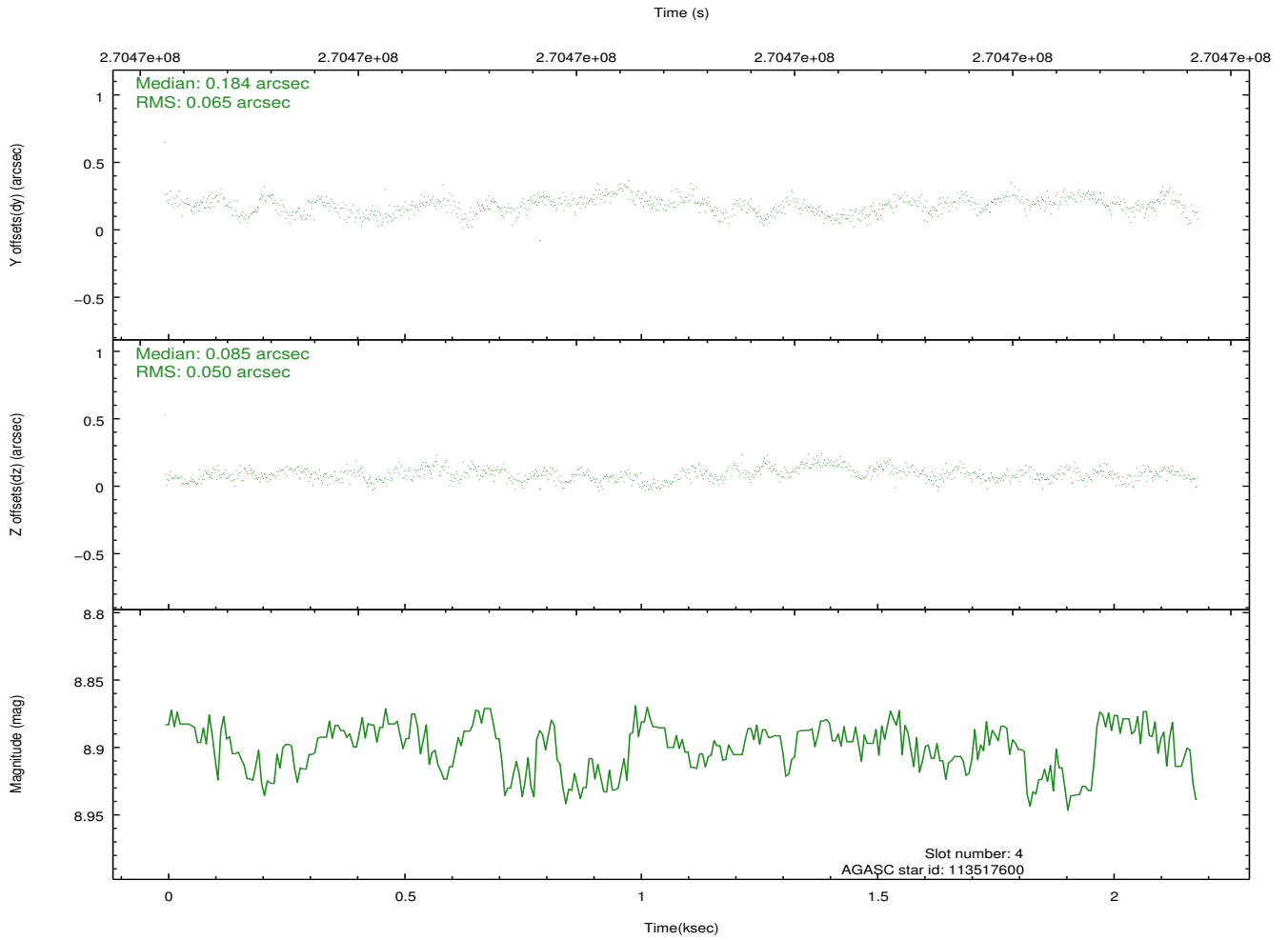
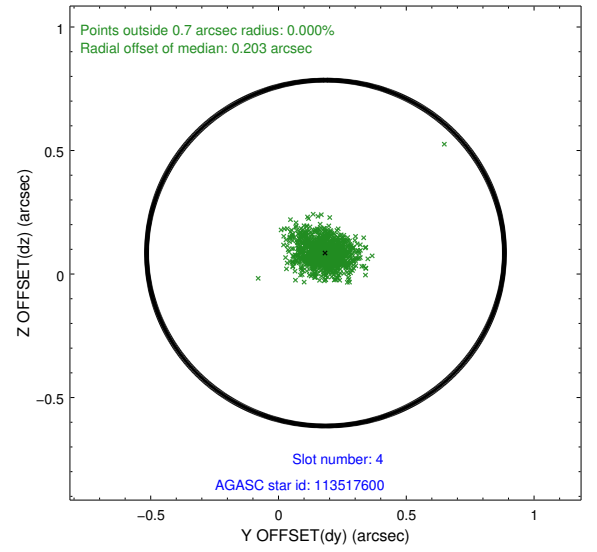
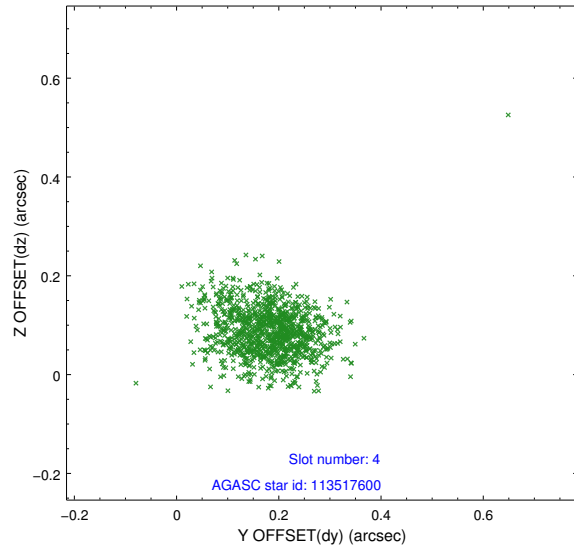
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	533	-0.022	-0.019	0.007	0.011	0.000000	0.000000	-761.63	-1732.90
1	FID	ACIS-S-4	7.21	533	0.130	0.016	0.005	0.009	0.000000	0.000000	2150.43	172.54
2	FID	ACIS-S-5	7.23	533	-0.139	0.012	0.006	0.010	0.000000	0.000000	-1810.77	169.58
3	GUIDE	113511680	8.95	1065	0.014	-0.070	0.077	0.125	183.439930	9.742834	-155.15	-1590.76
4	GUIDE	113517600	8.90	1063	0.184	0.085	0.084	0.140	183.491065	9.092474	2039.08	-755.25
5	GUIDE	113909720	7.53	1066	-0.168	-0.119	0.062	0.099	183.372953	10.041634	-1116.31	-2122.92
6	GUIDE	114432008	9.18	1067	-0.038	0.112	0.095	0.150	184.554987	9.868428	-1714.99	2070.91
7	GUIDE	114432856	9.17	1065	0.009	-0.007	0.087	0.140	183.952133	9.340463	716.47	565.59

2.4 Star Slots

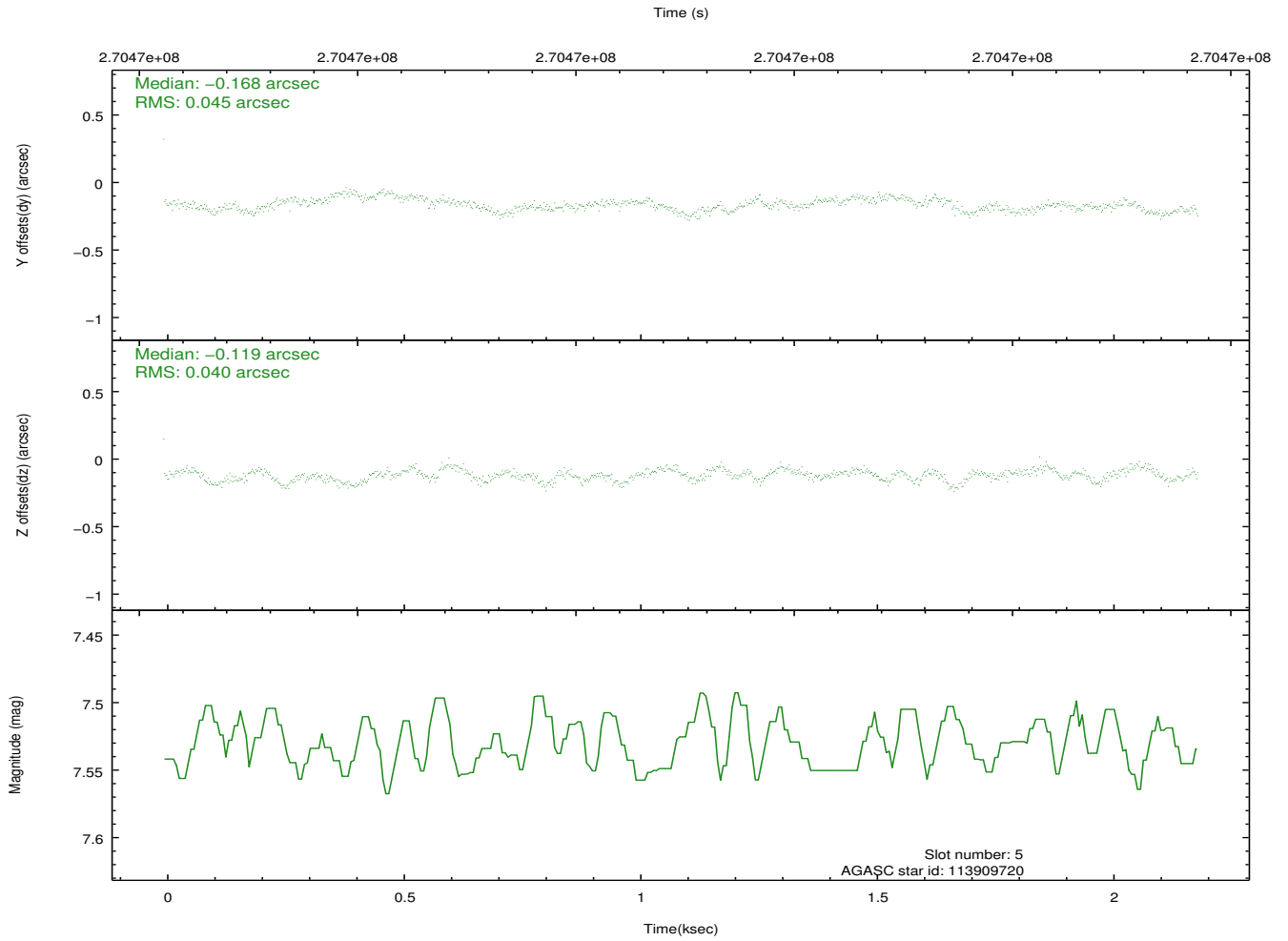
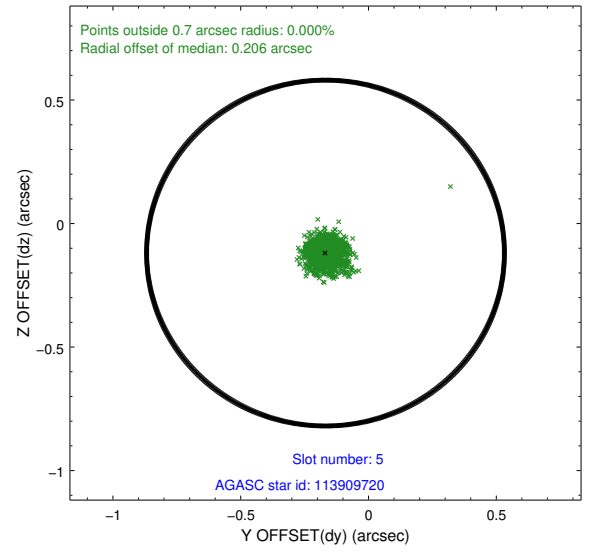
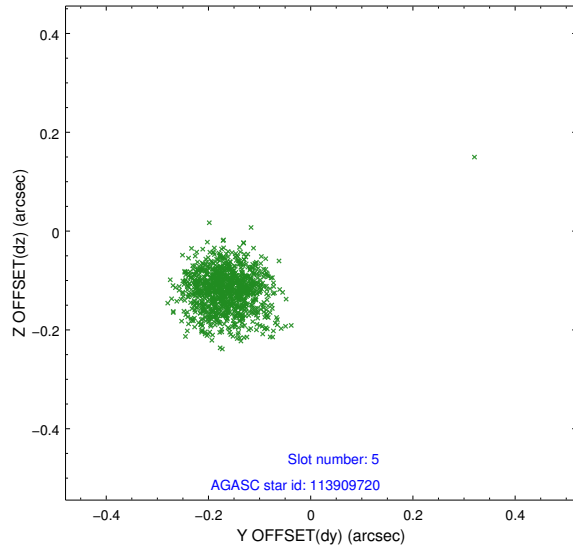
2.4.1 Slot 3



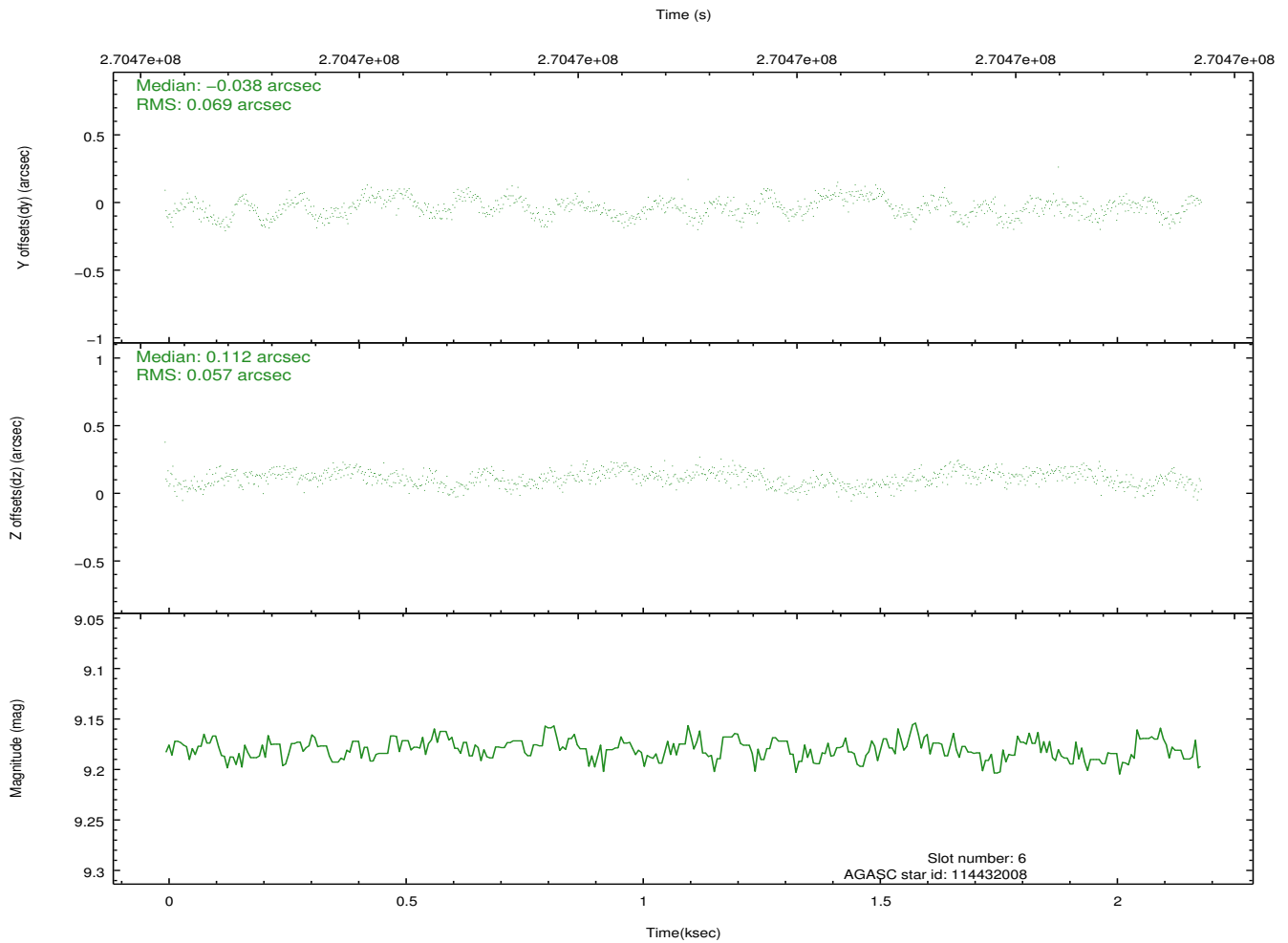
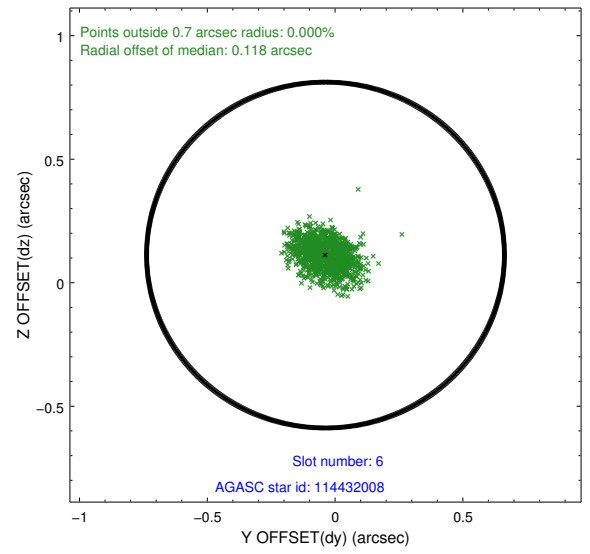
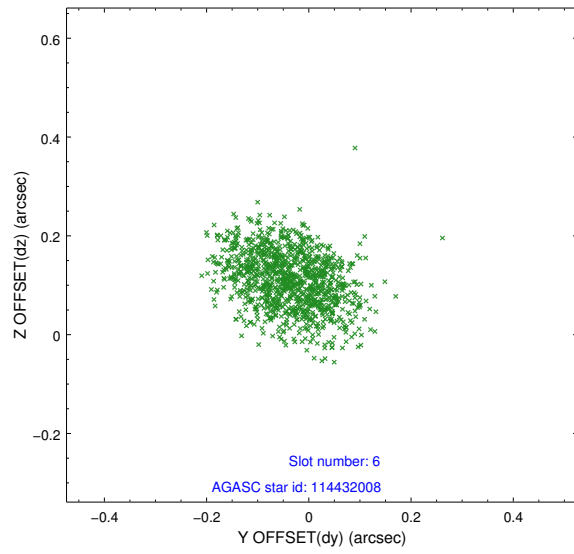
2.4.2 Slot 4



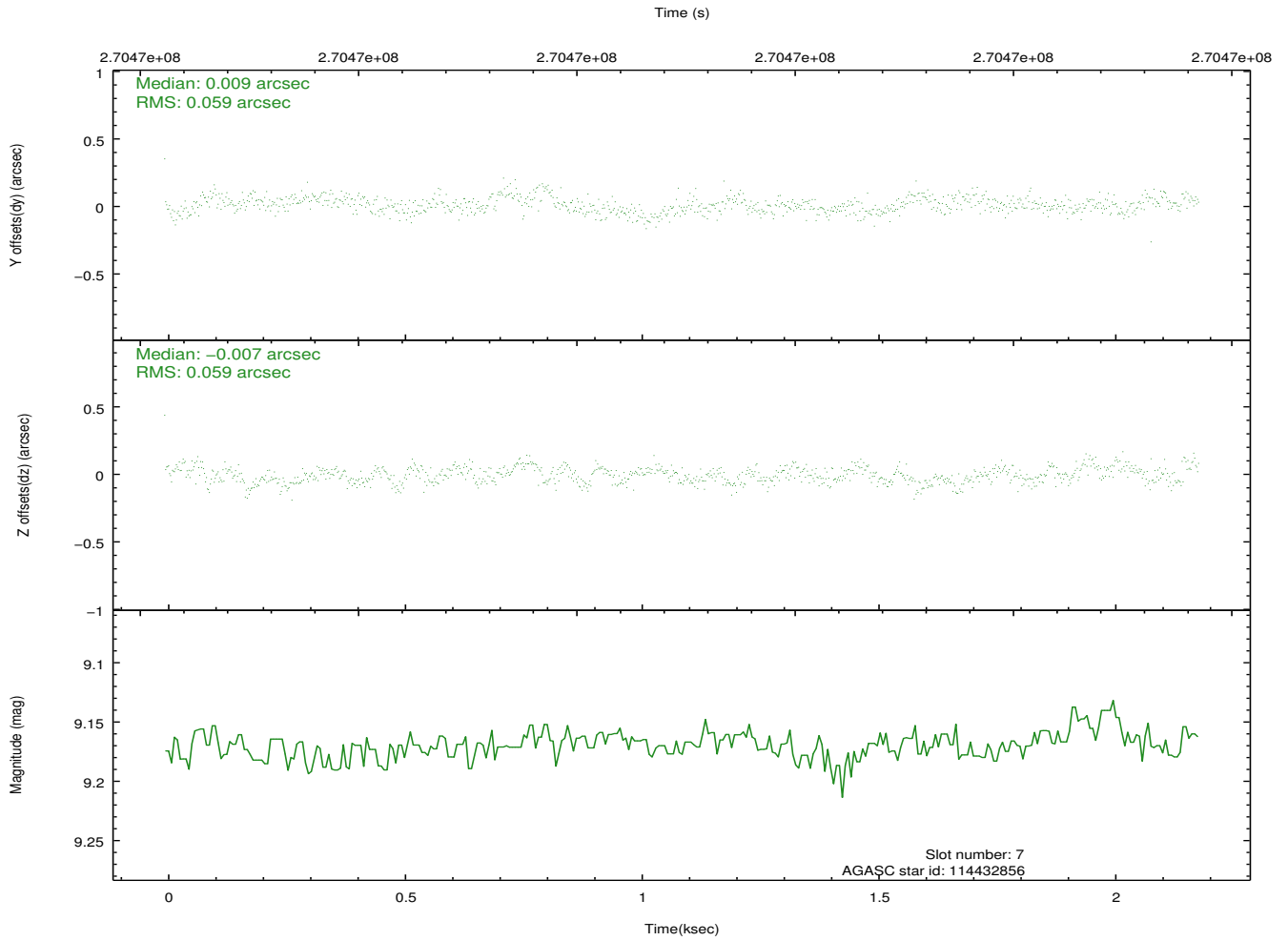
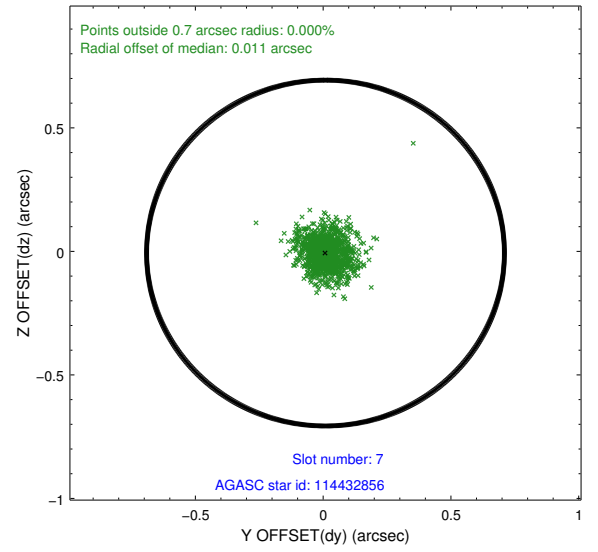
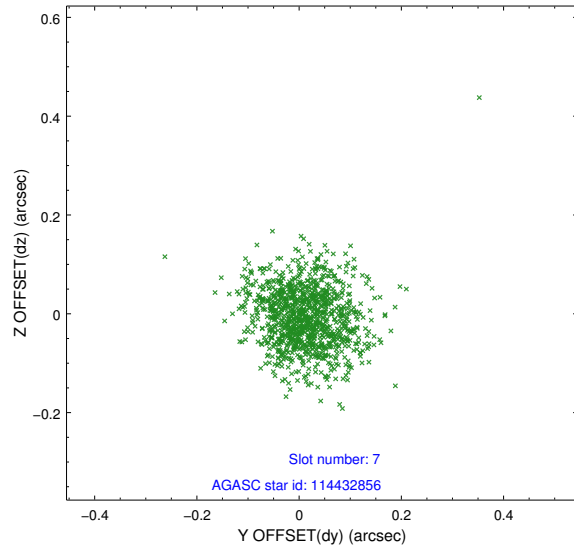
2.4.3 Slot 5



2.4.4 Slot 6

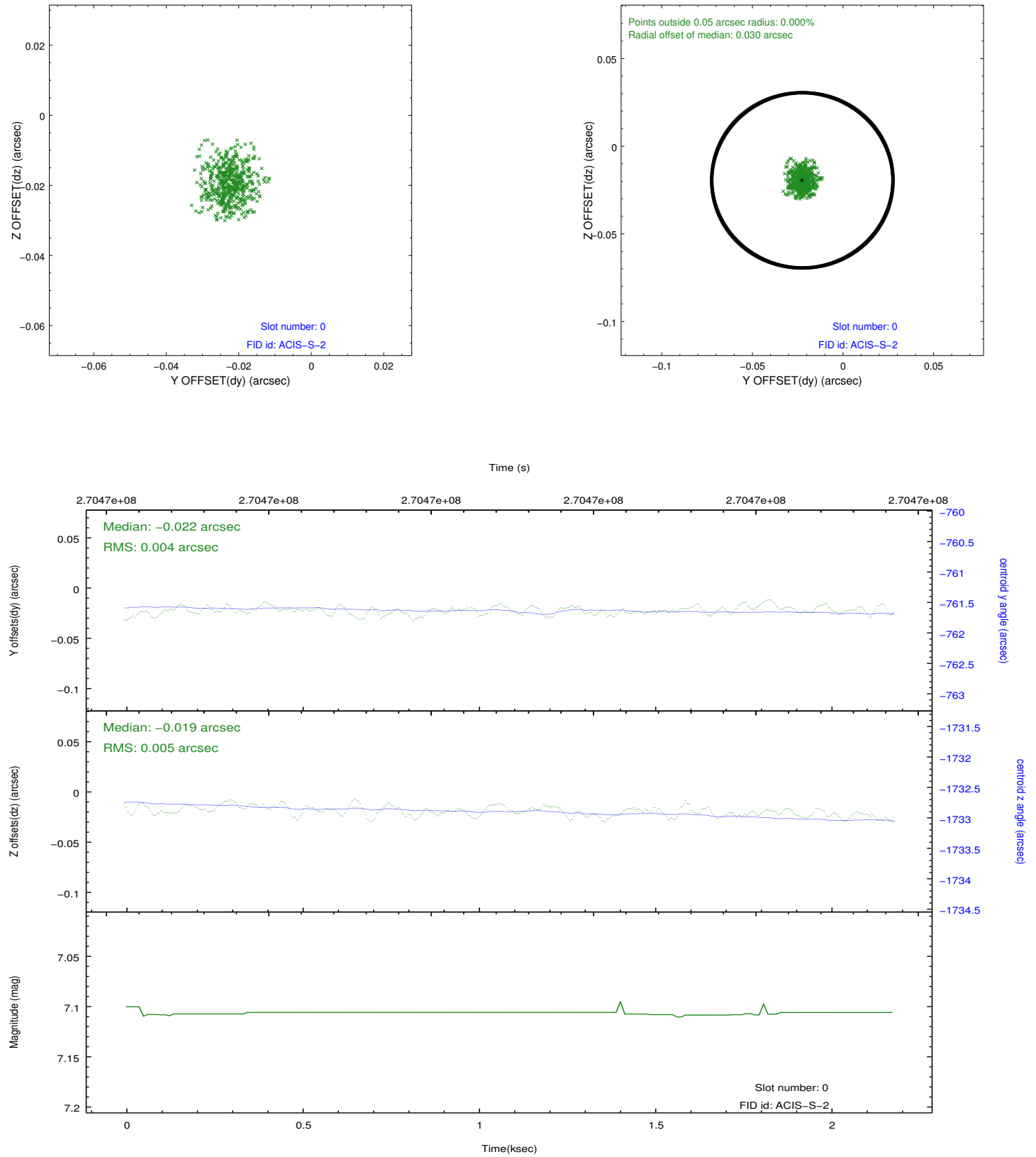


2.4.5 Slot 7

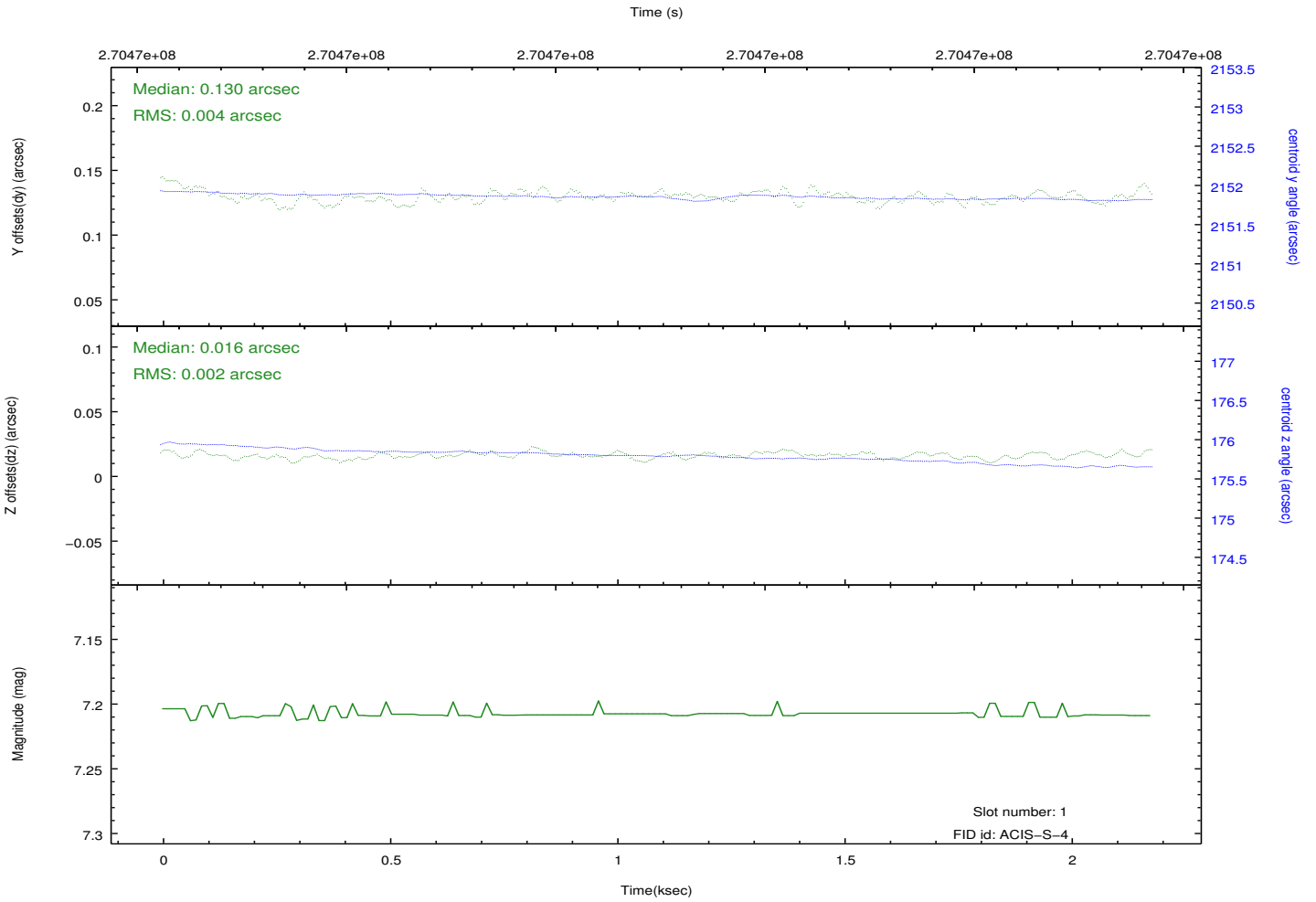
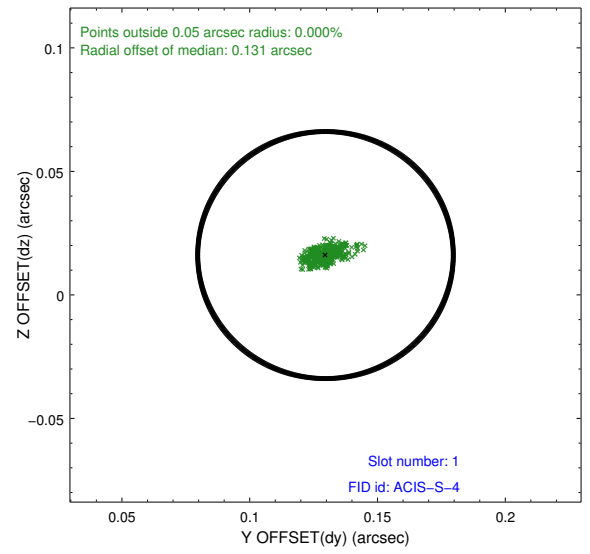
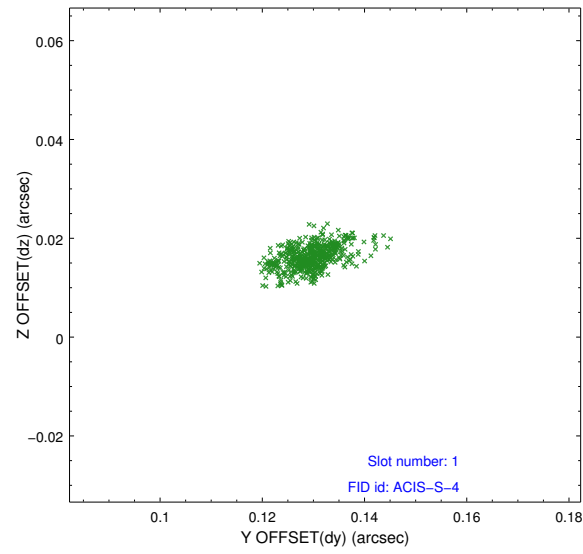


2.5 FID Slots

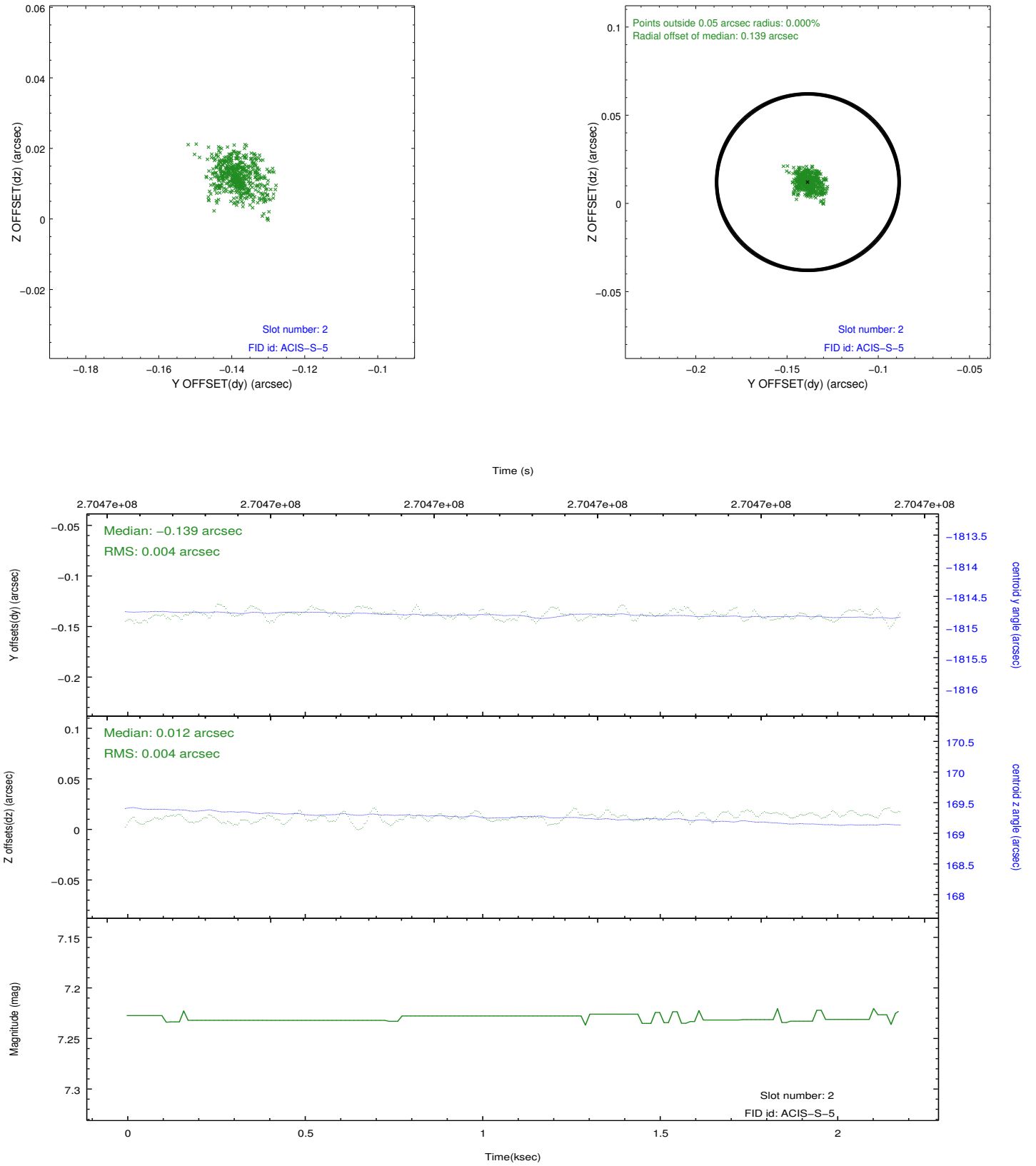
2.5.1 Slot 0



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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.75359999

A.2 Comments