

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7110 - L2 Version 2
Chandra X-Ray Center

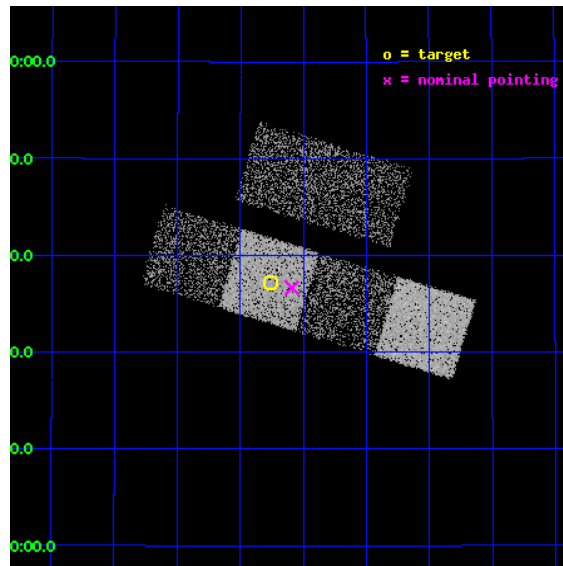
L2 Processing Date : Mar 29 2012

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

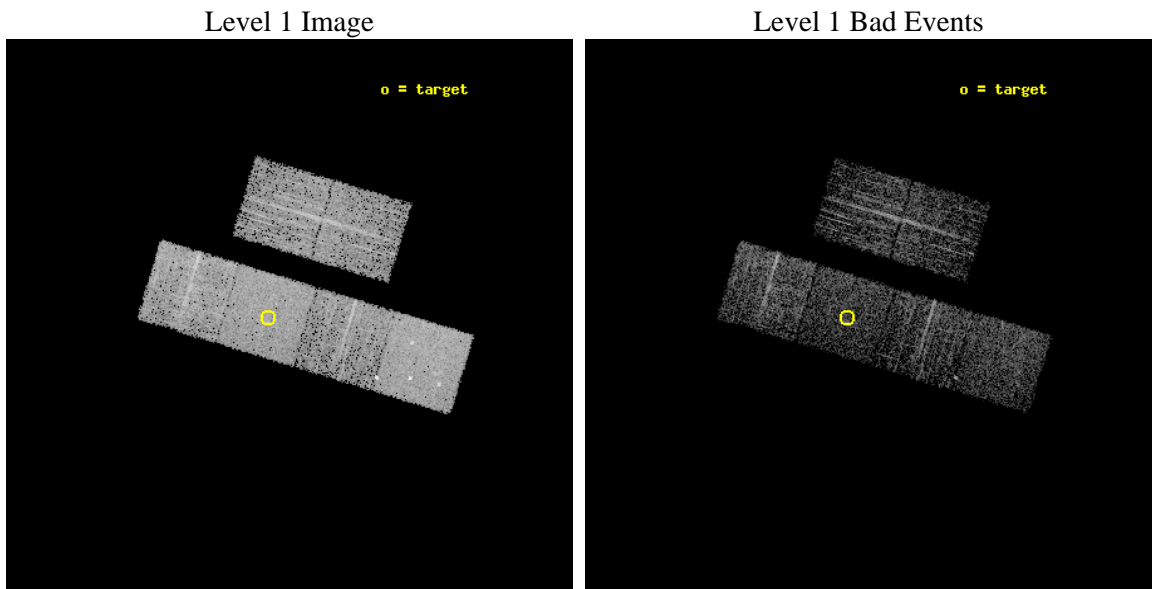
seq_num	600548	Sequence number
obs_id	7110	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4448	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.064167	Observer's specified target RA [deg]
dec_targ	28.620306	Observer's specified target Dec [deg]
ra_nom	187.02264636656	Nominal RA [deg]
dec_nom	28.610885848797	Nominal Dec [deg]
roll_nom	196.81774813062	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2014.9140428007	Sum of GTIs [s]
livetime	1989.3999879551	Livetime [s]
ontime2	2014.955082804	Sum of GTIs [s]
ontime3	2014.7909227908	Sum of GTIs [s]
ontime5	2011.6320225	Sum of GTIs [s]
ontime6	2014.8319627941	Sum of GTIs [s]
ontime7	2014.9140428007	Sum of GTIs [s]
ontime8	2008.2679023445	Sum of GTIs [s]
l2events	28822	Number of level 2 events



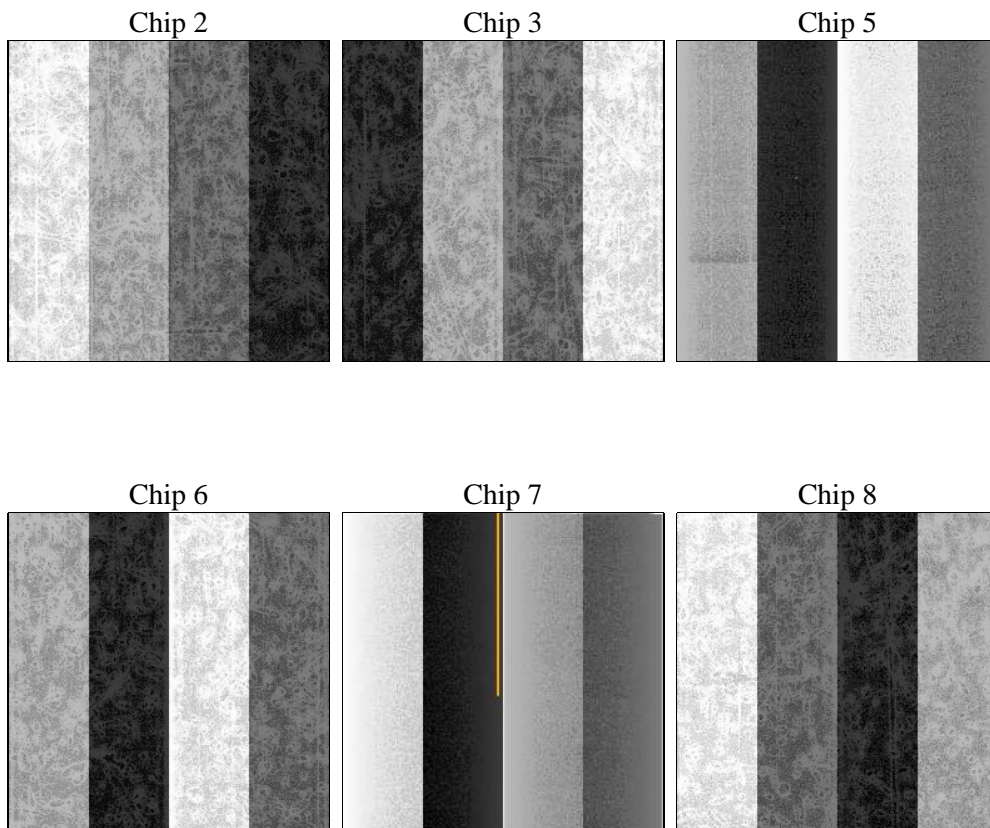
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2260.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	2014.9140428007	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	2014.955082804	Sum of GTIs [s]
date	2012-03-29T13:28:23	Date and time of file creation	ontime3	2014.7909227908	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2011.6320225	Sum of GTIs [s]
			ontime6	2014.8319627941	Sum of GTIs [s]
			ontime7	2014.9140428007	Sum of GTIs [s]
			ontime8	2008.2679023445	Sum of GTIs [s]
			l1events	131223	Number of level 1 events

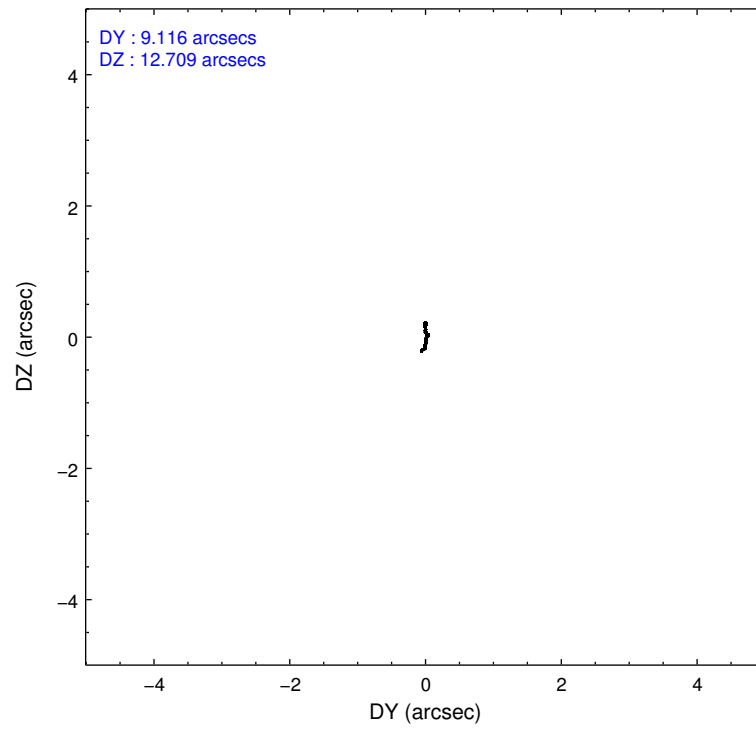
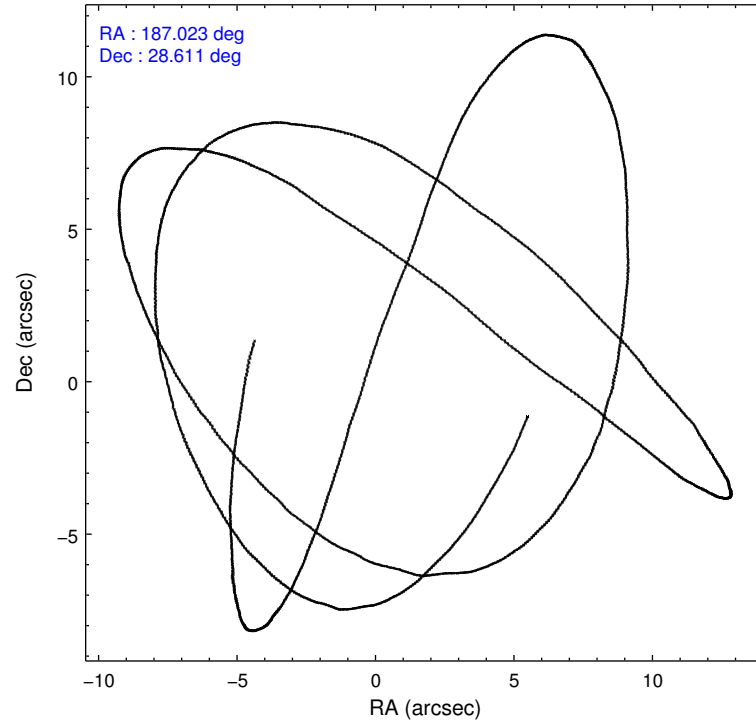
2.1.4 Events

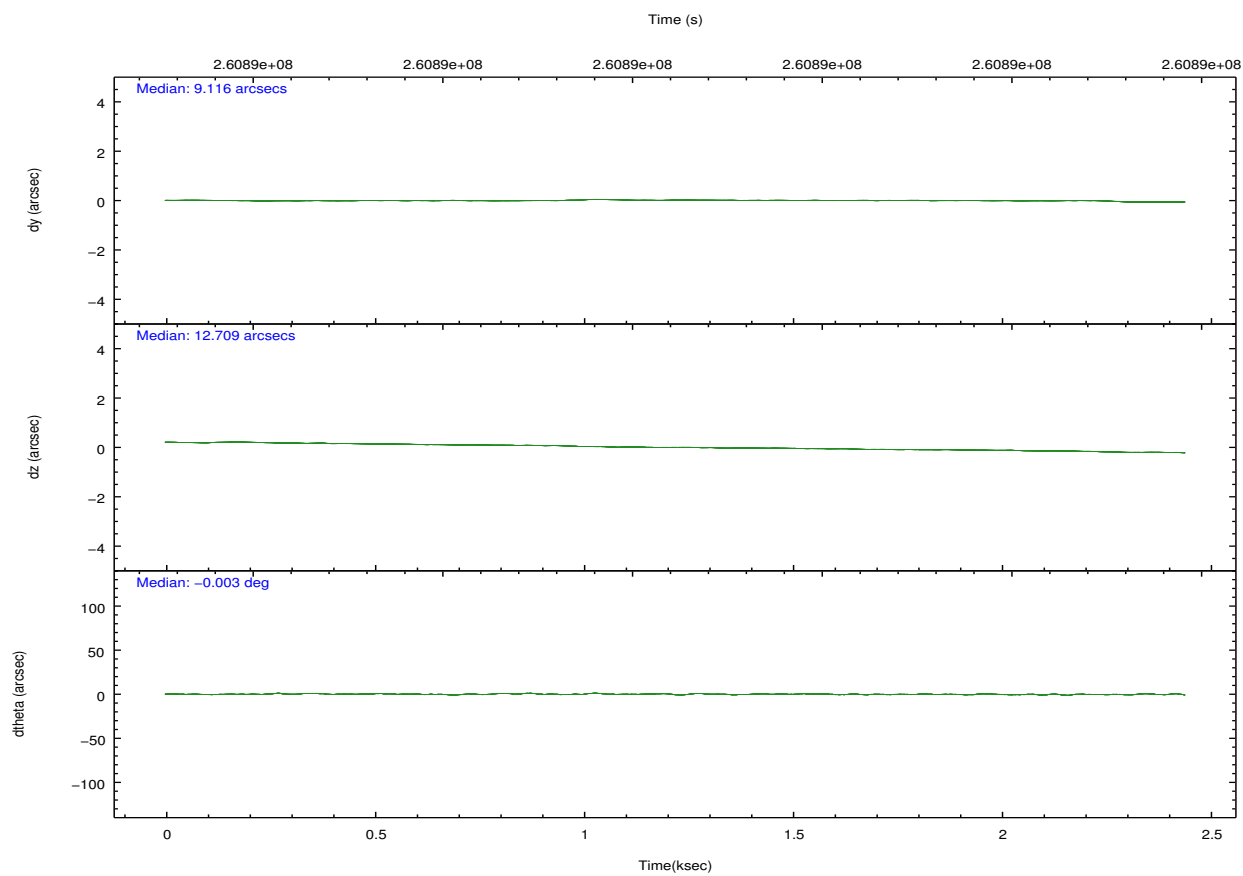
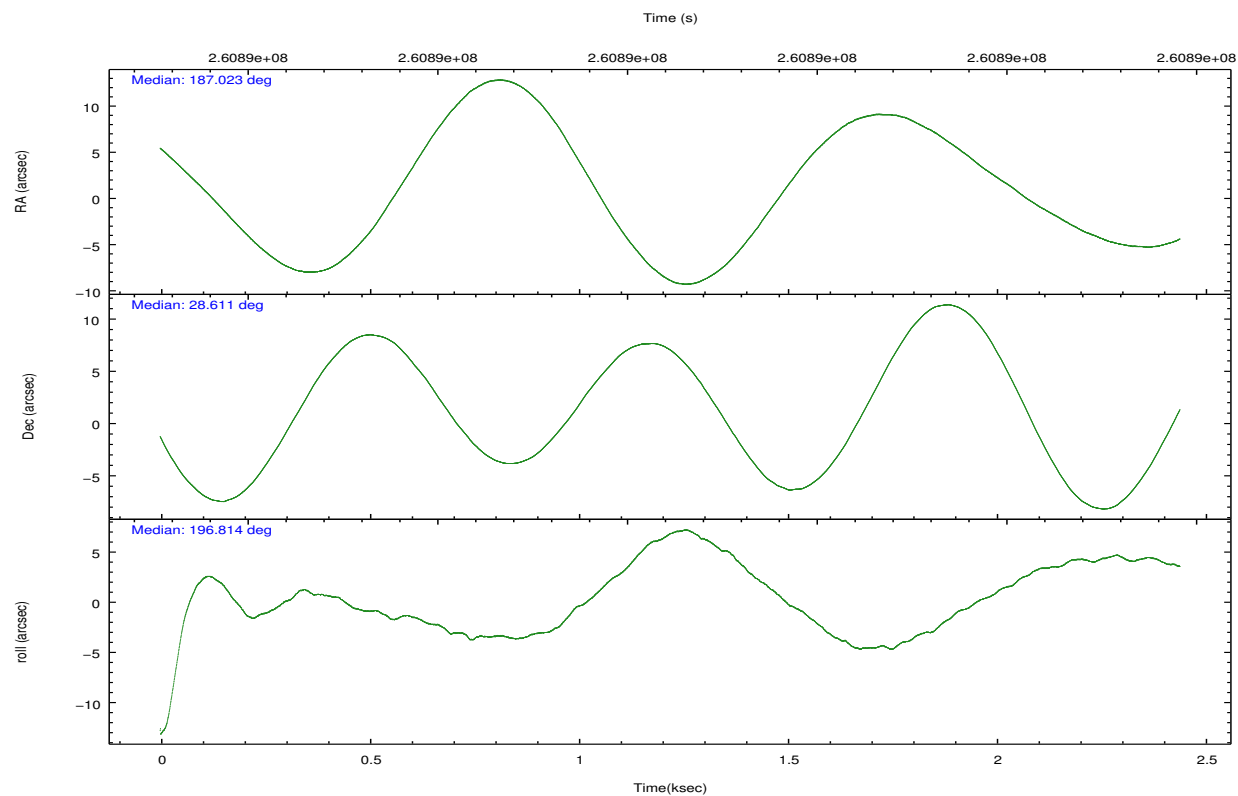
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17362	18625	28298	17602	23828	25508	grade 0 events	894	925	1580	818	920	1490
rejected events	15319	16531	14893	15472	13865	20612		5%	4%	5%	4%	3%	5%
rejected %	88%	88%	52%	87%	58%	80%	grade 1 events	14	14	63	11	20	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	417	400	3889	447	1942	1085
								2%	2%	13%	2%	8%	4%
							grade 3 events	202	204	530	234	863	500
								1%	1%	1%	1%	3%	1%
							grade 4 events	168	208	468	196	902	498
								0%	1%	1%	1%	3%	1%
							grade 5 events	699	769	2164	765	2313	1025
								4%	4%	7%	4%	9%	4%
							grade 6 events	365	362	6969	437	5355	1329
								2%	1%	24%	2%	22%	5%
							grade 7 events	14603	15743	12635	14694	11513	19555
								84%	84%	44%	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	187.043767	187.0226463665638	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.631300	28.61088584879739	Alternating exposures requested	N	N
[deg] Pointing Roll	196.651000	196.8177481306156	[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)	260891072.184000	260890551.30749			
Observation start date	2006-04-08T13:43:27	2006-04-08T13:35:51			
[s] Observation end time (MET)	260893332.184000	260893650.39514			
Observation end date	2006-04-08T14:21:07	2006-04-08T14:27:30			
Read mode	TIMED	TIMED			

2.3 Aspect



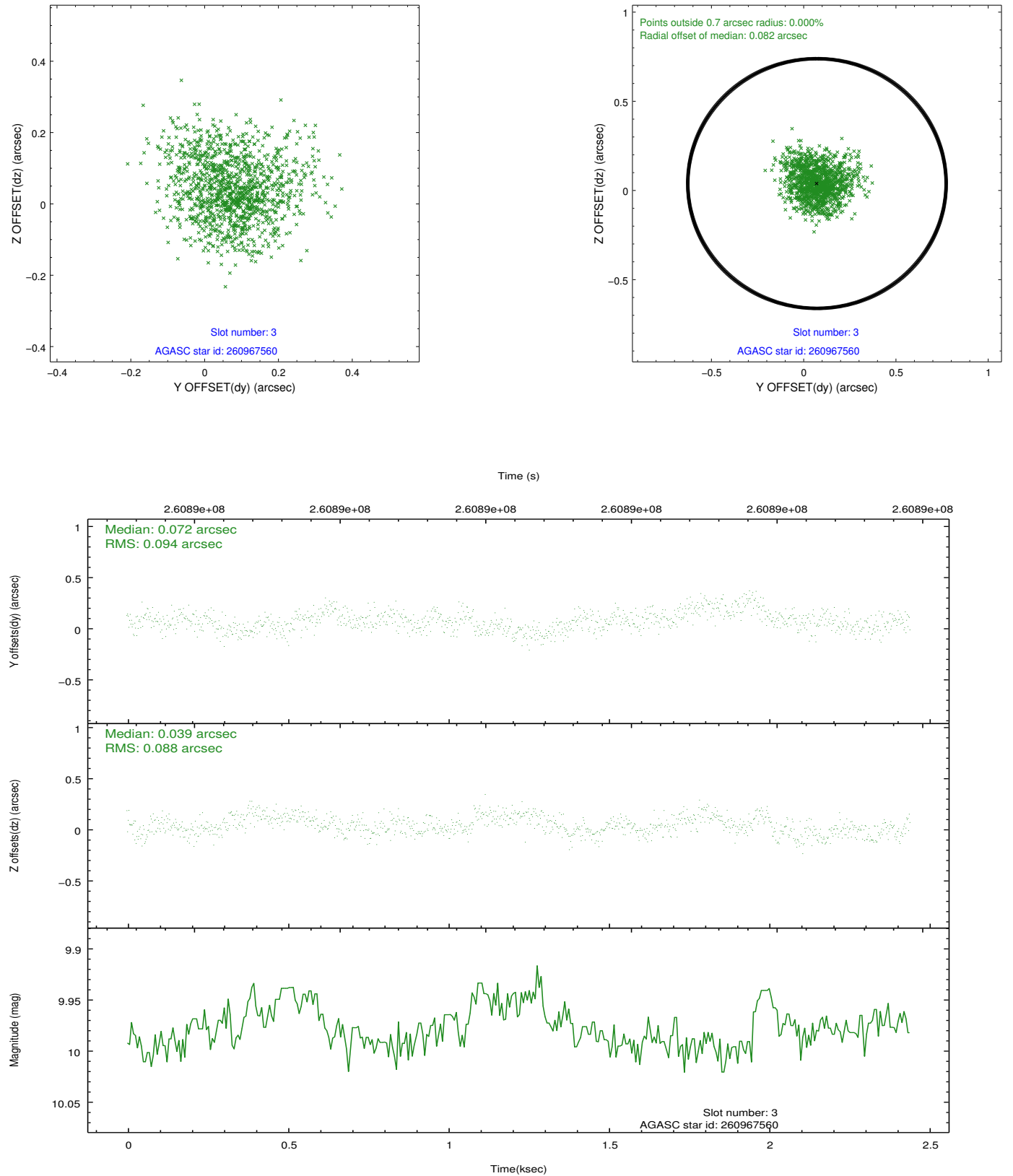


Slot Statistics

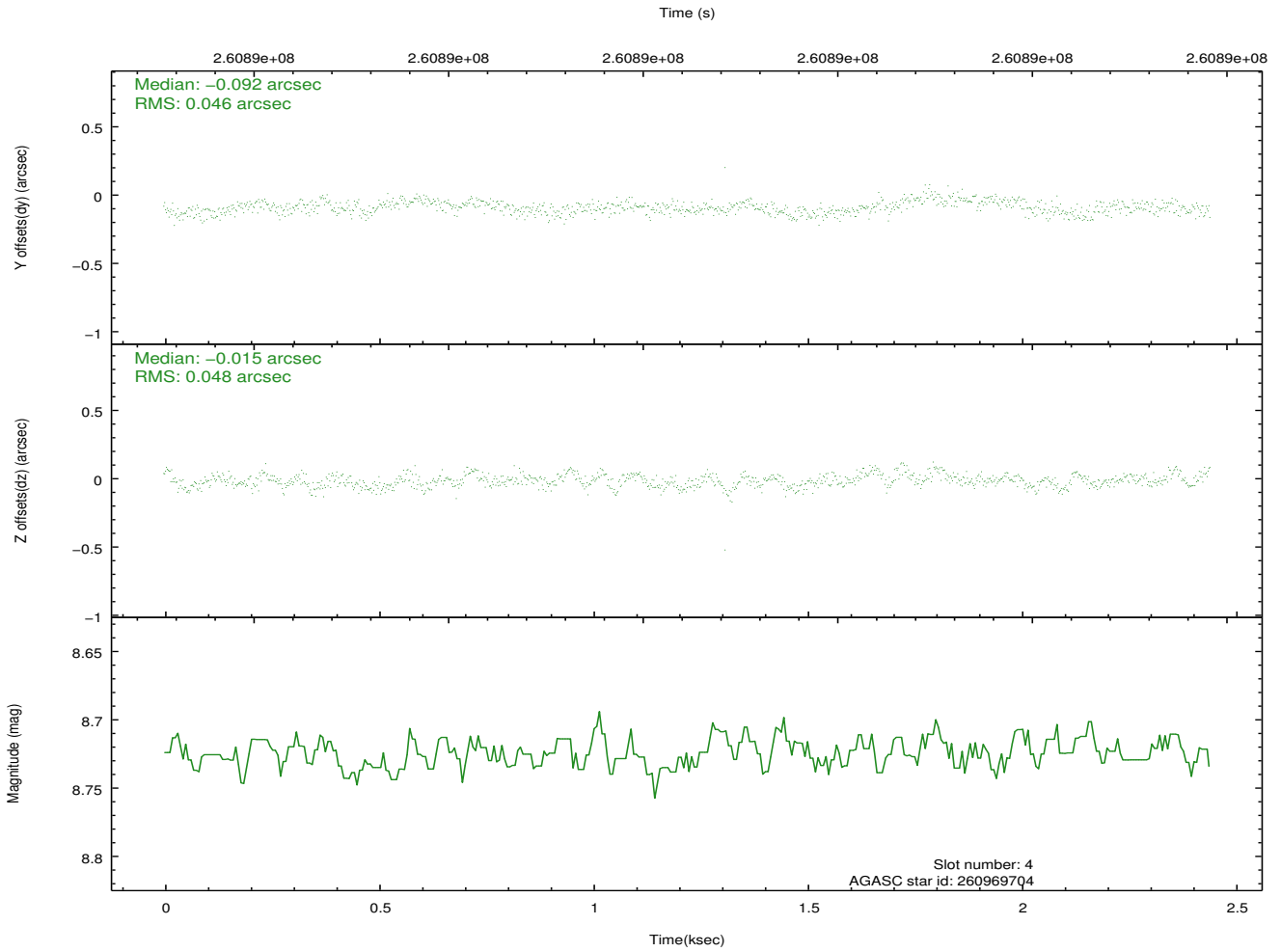
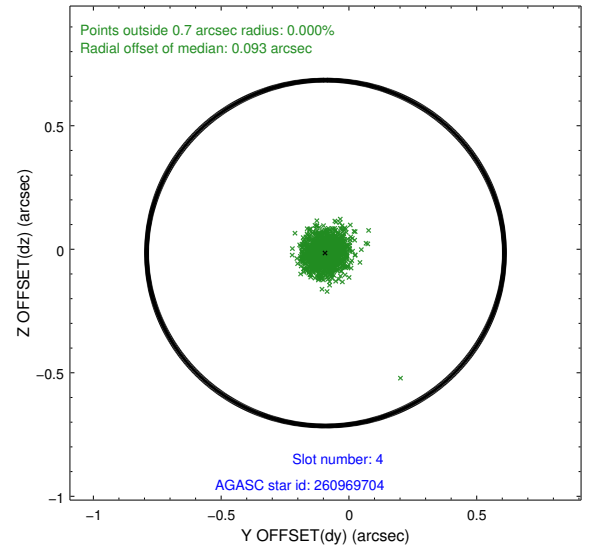
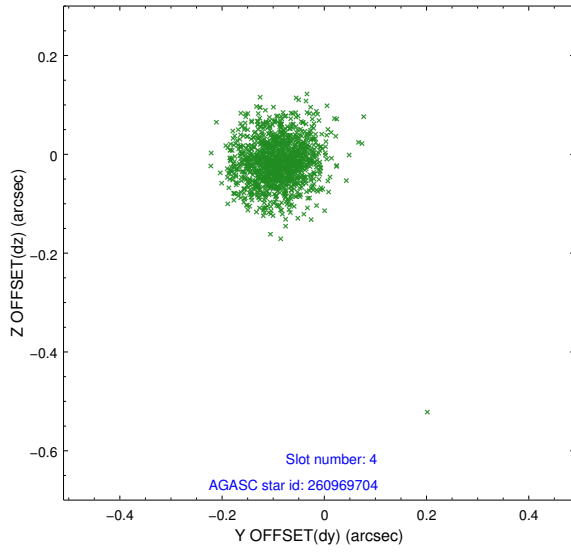
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	596	-0.010	-0.042	0.007	0.012	0.000000	0.000000	-761.95	-1734.02
1	FID	ACIS-S-4	7.20	595	0.124	0.016	0.005	0.010	0.000000	0.000000	2150.27	171.74
2	FID	ACIS-S-5	7.23	595	-0.146	0.034	0.007	0.010	0.000000	0.000000	-1811.50	168.49
3	GUIDE	260967560	9.98	1187	0.072	0.039	0.140	0.222	186.349083	28.638964	2092.59	-661.89
4	GUIDE	260969704	8.73	1190	-0.092	-0.015	0.069	0.107	187.236286	28.886177	-843.39	-706.90
5	GUIDE	260972008	8.35	1188	0.008	-0.039	0.063	0.100	187.286978	28.294178	-392.55	1381.65
6	GUIDE	260973048	9.69	1189	0.052	-0.033	0.129	0.226	186.951234	28.194409	730.98	1423.23
7	GUIDE	260977240	9.43	1190	-0.030	0.043	0.082	0.134	187.544627	28.406703	-1288.60	1226.51

2.4 Star Slots

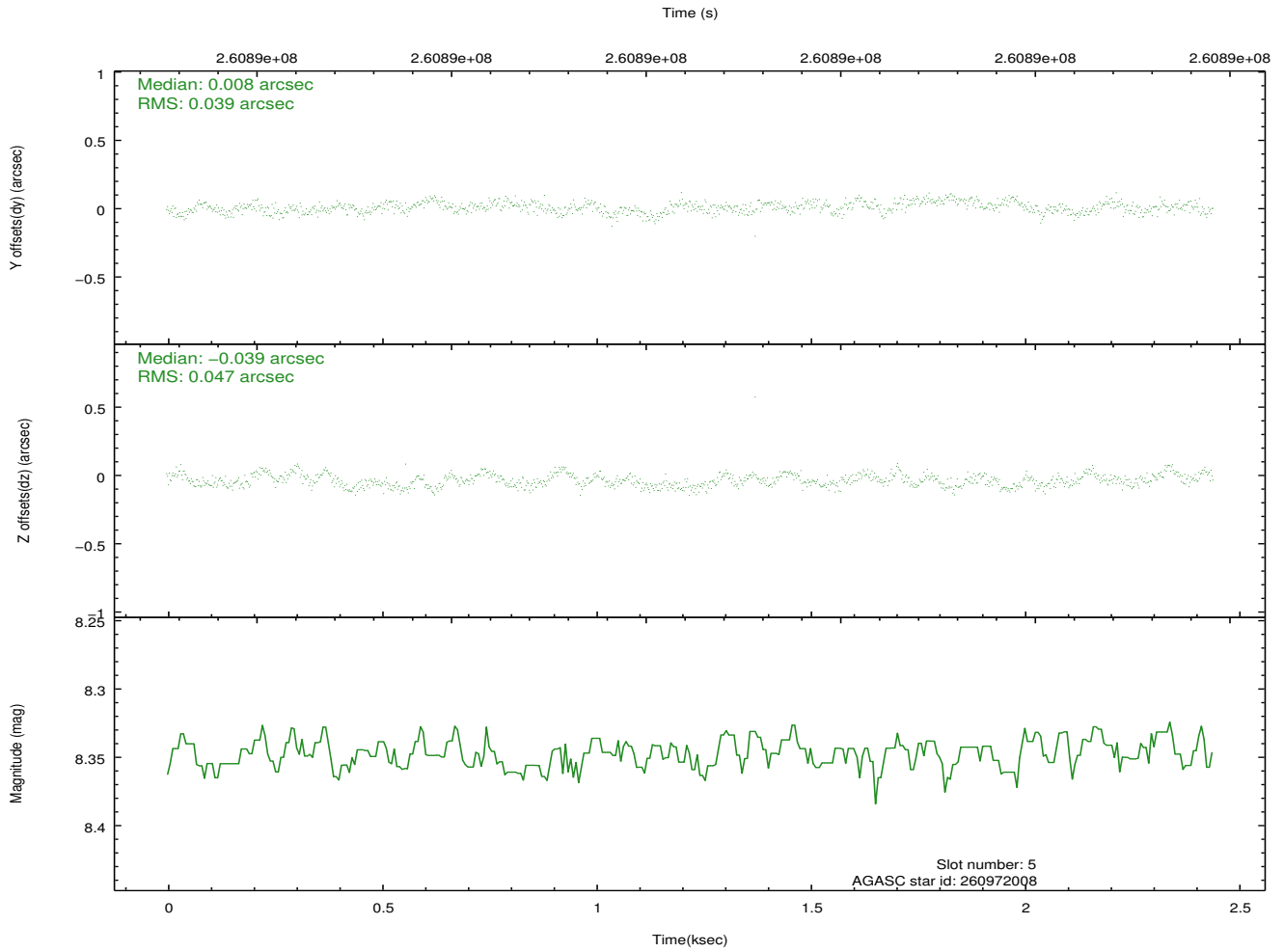
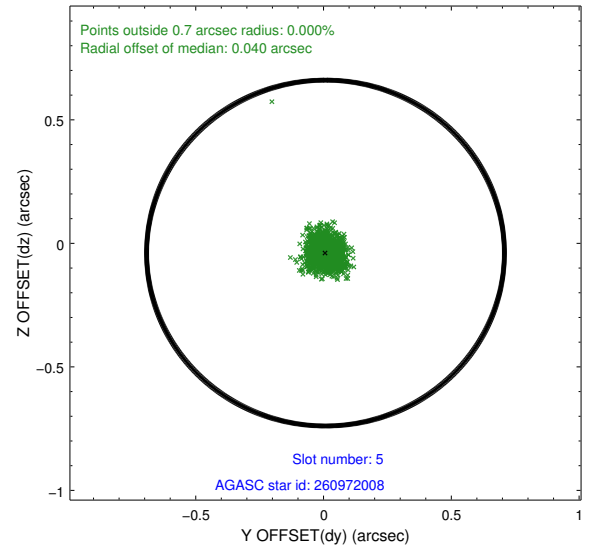
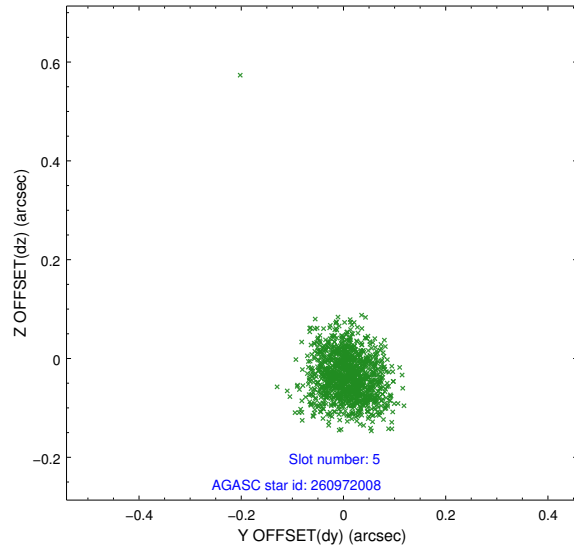
2.4.1 Slot 3



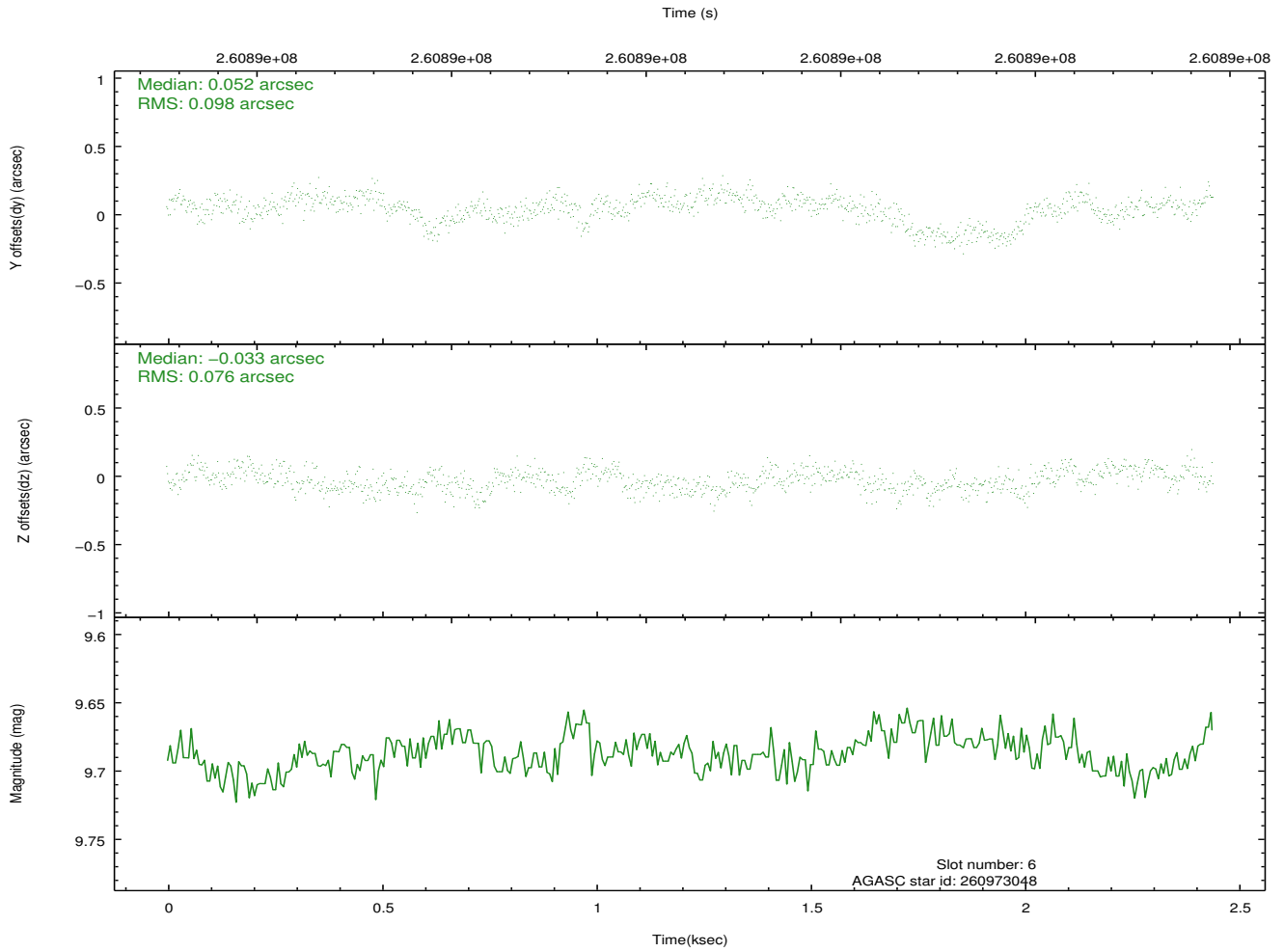
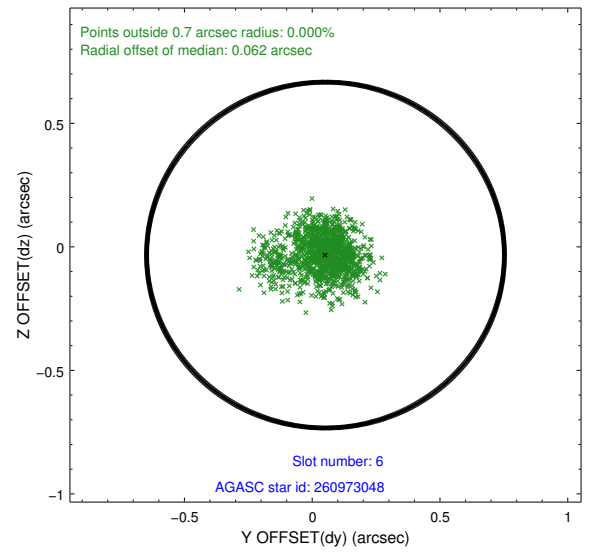
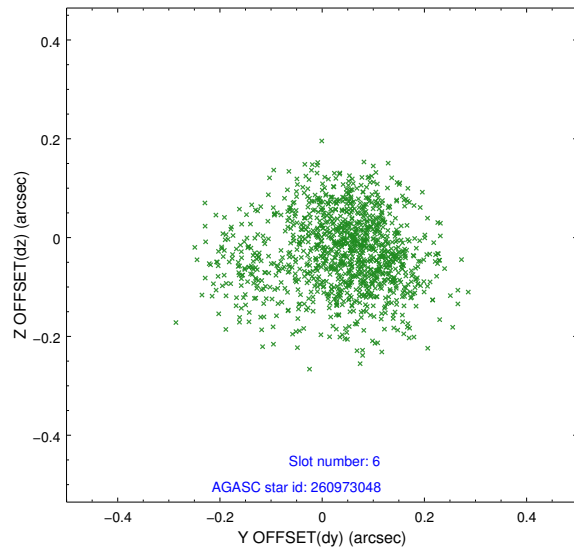
2.4.2 Slot 4



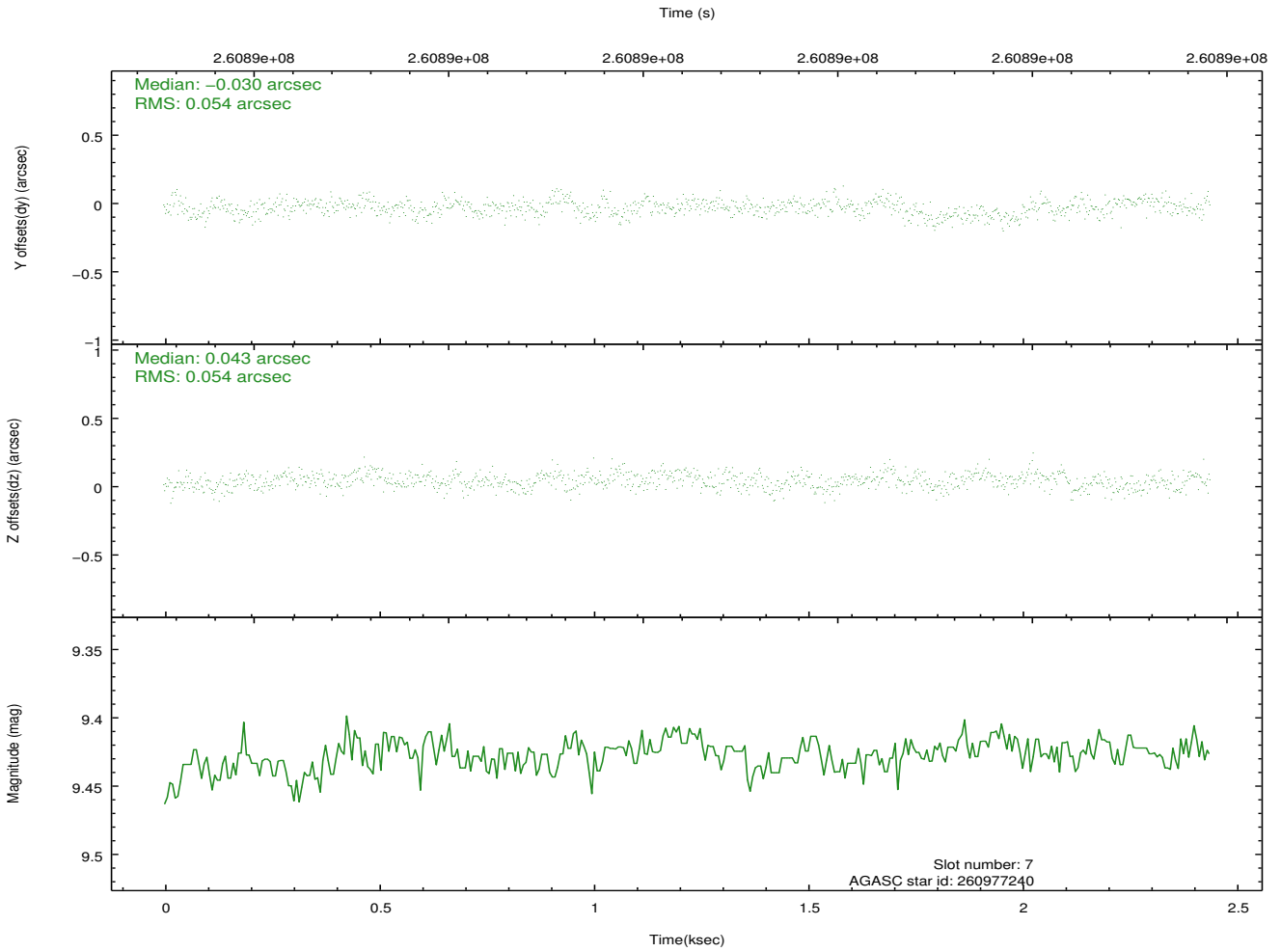
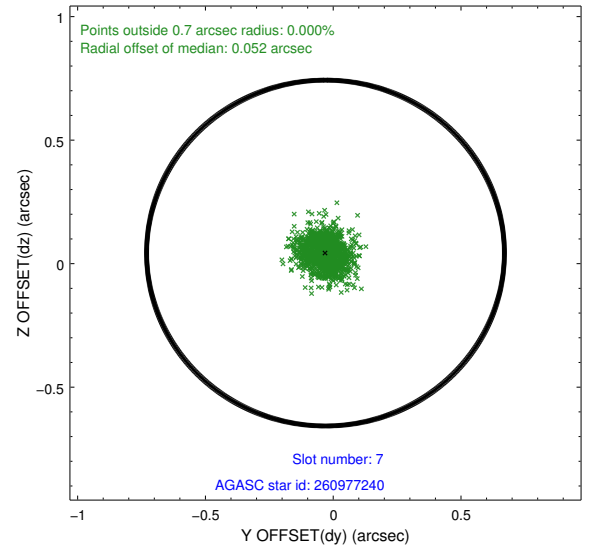
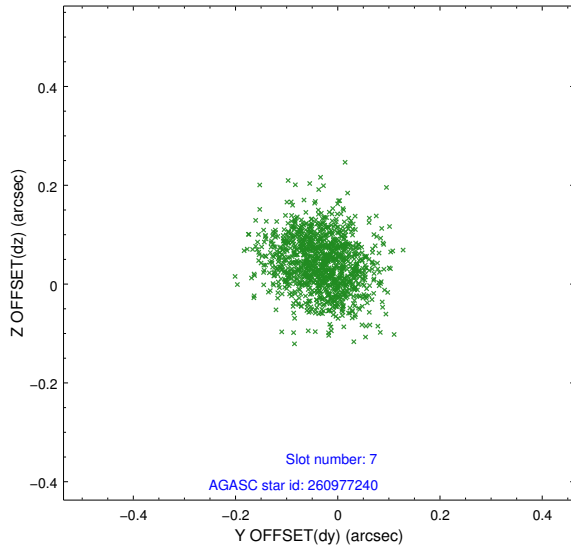
2.4.3 Slot 5



2.4.4 Slot 6

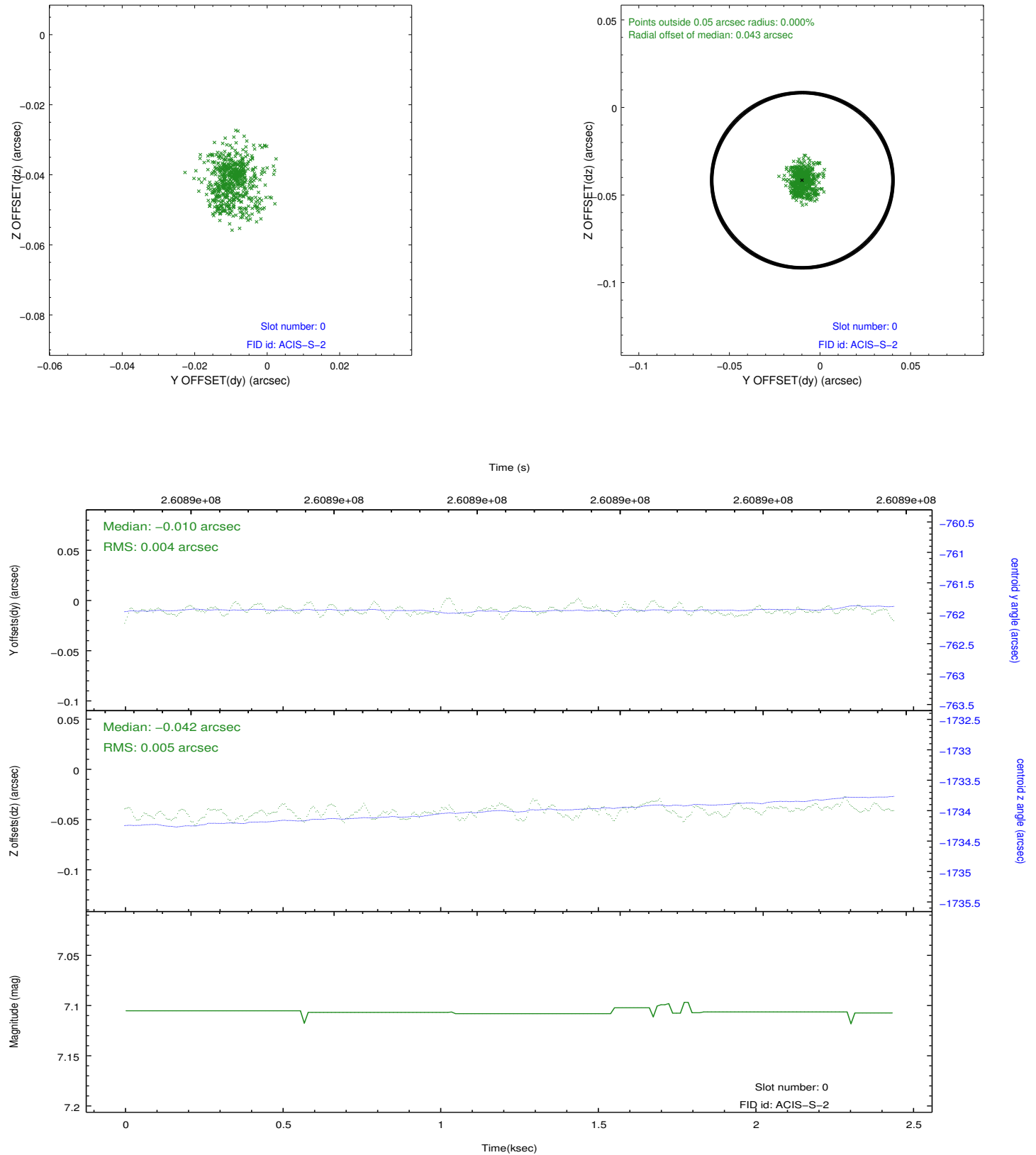


2.4.5 Slot 7

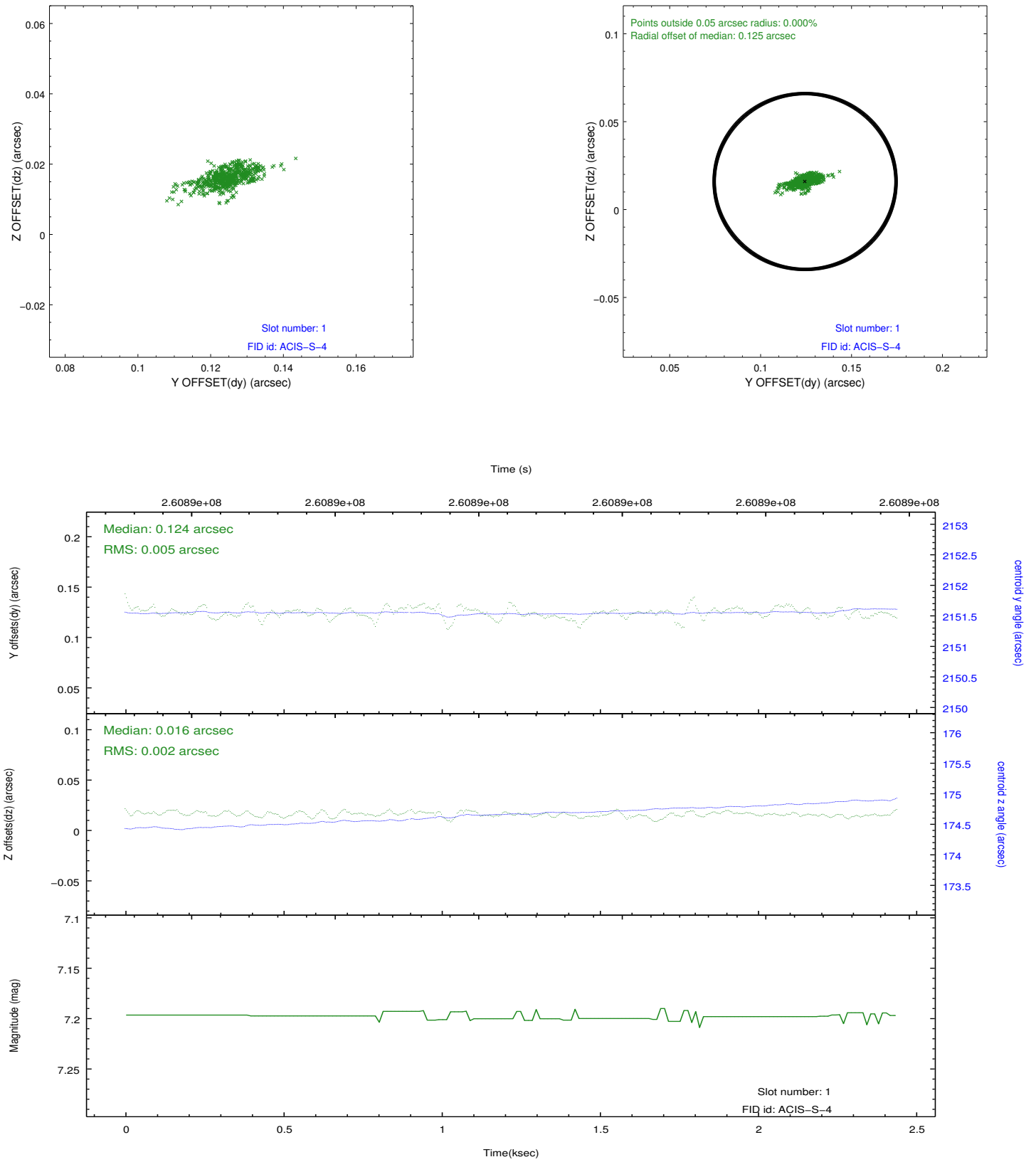


2.5 FID Slots

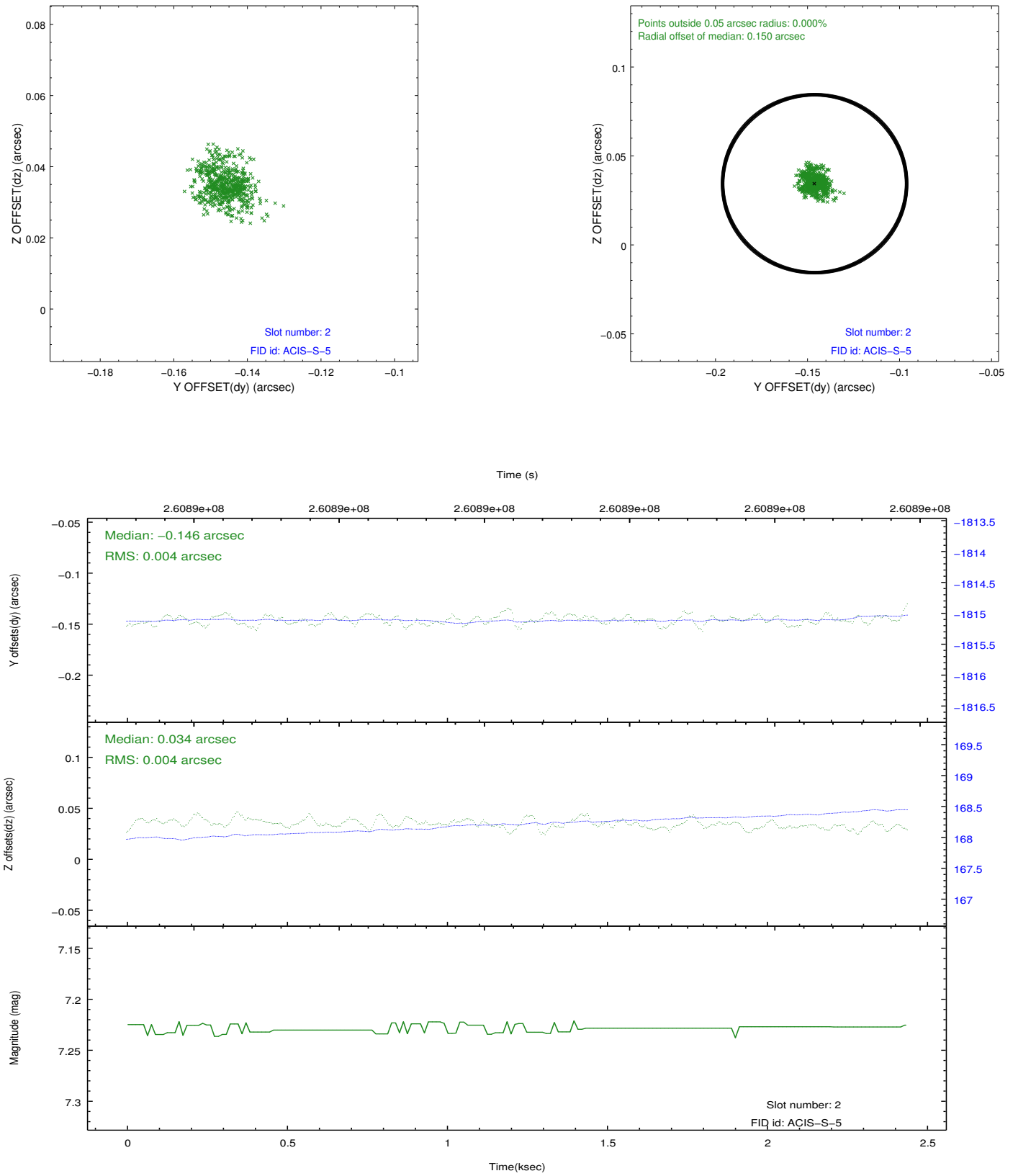
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.01599999

A.2 Comments