

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7109 - L2 Version 2
Chandra X-Ray Center

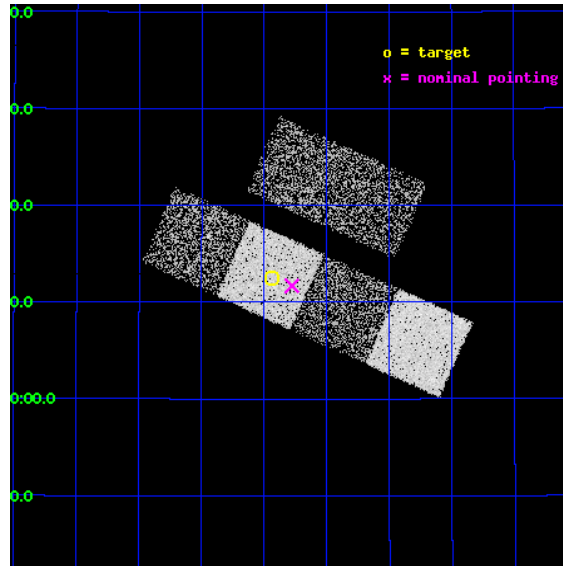
L2 Processing Date : Mar 29 2012

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

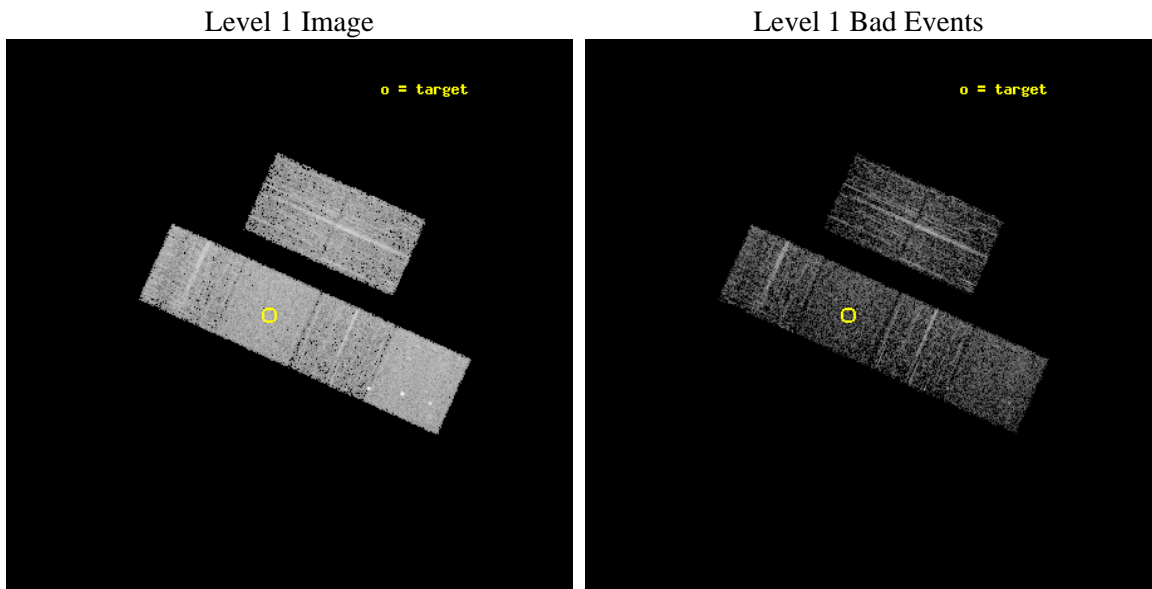
seq_num	600547	Sequence number
obs_id	7109	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4310	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.609583	Observer's specified target RA [deg]
dec_targ	29.208611	Observer's specified target Dec [deg]
ra_nom	185.56952230017	Nominal RA [deg]
dec_nom	29.194845418208	Nominal Dec [deg]
roll_nom	204.17619737809	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2444.7999908924	Sum of GTIs [s]
livetime	2413.8424613259	Livetime [s]
ontime2	2444.7999908924	Sum of GTIs [s]
ontime3	2444.7999908924	Sum of GTIs [s]
ontime5	2444.7999908924	Sum of GTIs [s]
ontime6	2444.7999908924	Sum of GTIs [s]
ontime7	2444.7999908924	Sum of GTIs [s]
ontime8	2444.7999908924	Sum of GTIs [s]
l2events	35177	Number of level 2 events



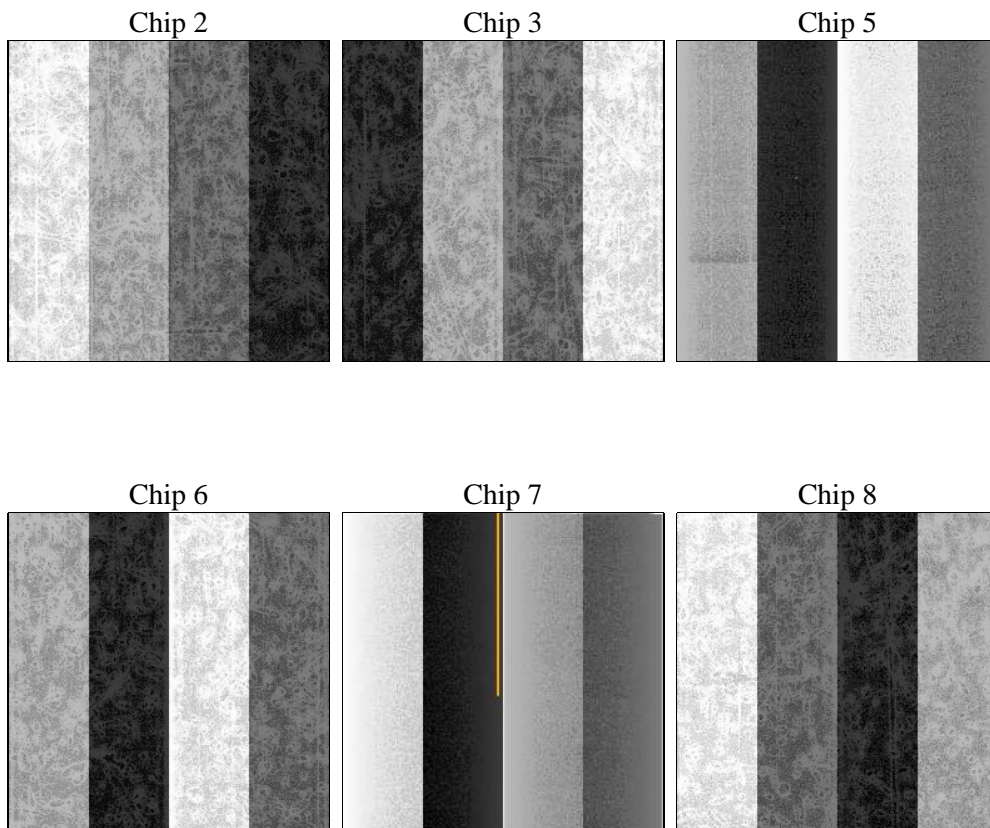
2 OBI

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	Processing system revision	ontime	2444.7999908924	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	2444.7999908924	Sum of GTIs [s]
date	2012-03-29T13:28:46	Date and time of file creation	ontime3	2444.7999908924	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2444.7999908924	Sum of GTIs [s]
			ontime6	2444.7999908924	Sum of GTIs [s]
			ontime7	2444.7999908924	Sum of GTIs [s]
			ontime8	2444.7999908924	Sum of GTIs [s]
			l1events	164548	Number of level 1 events

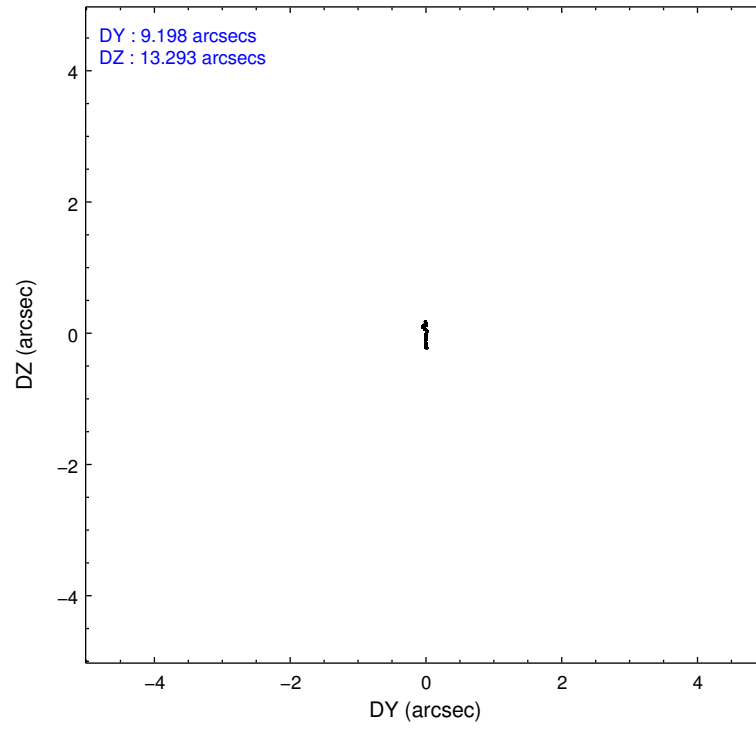
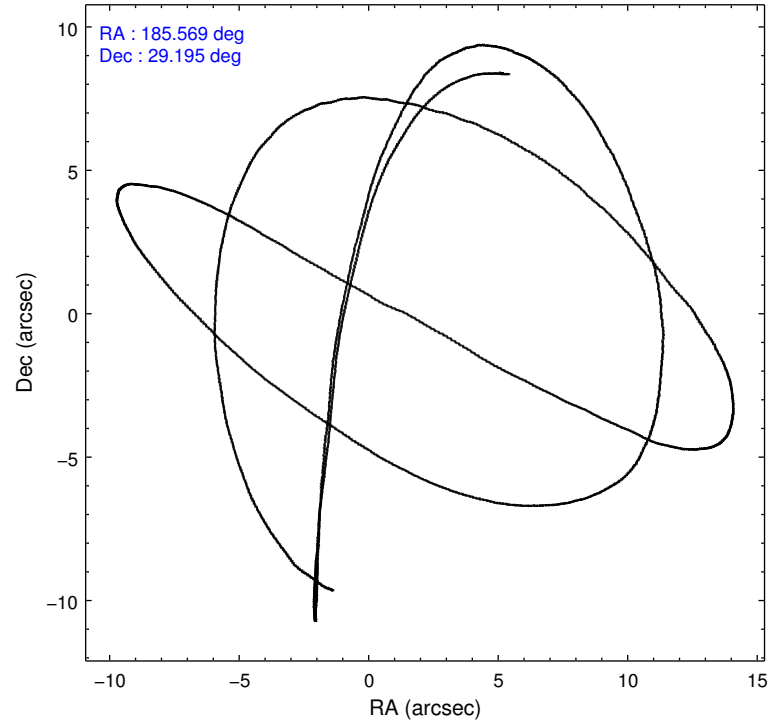
2.1.4 Events

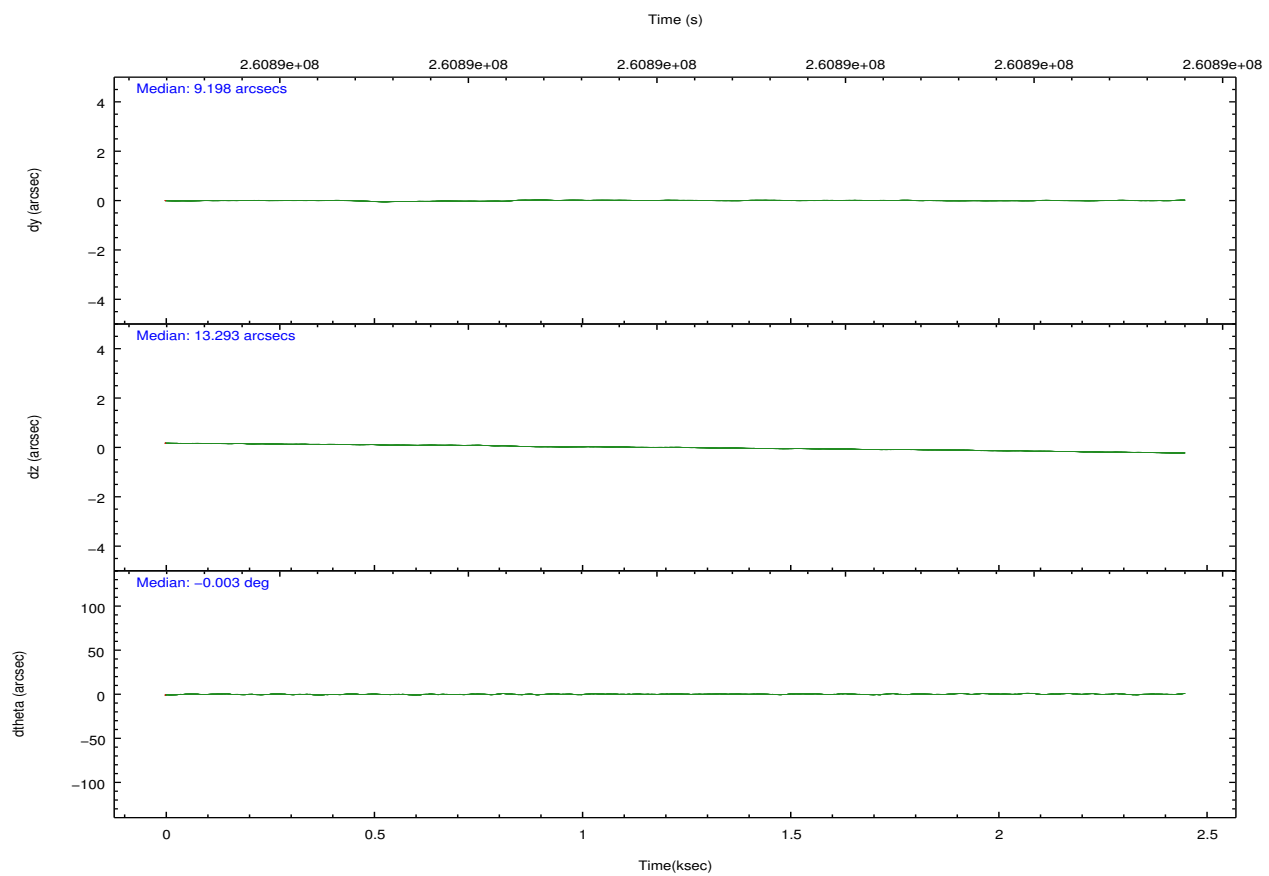
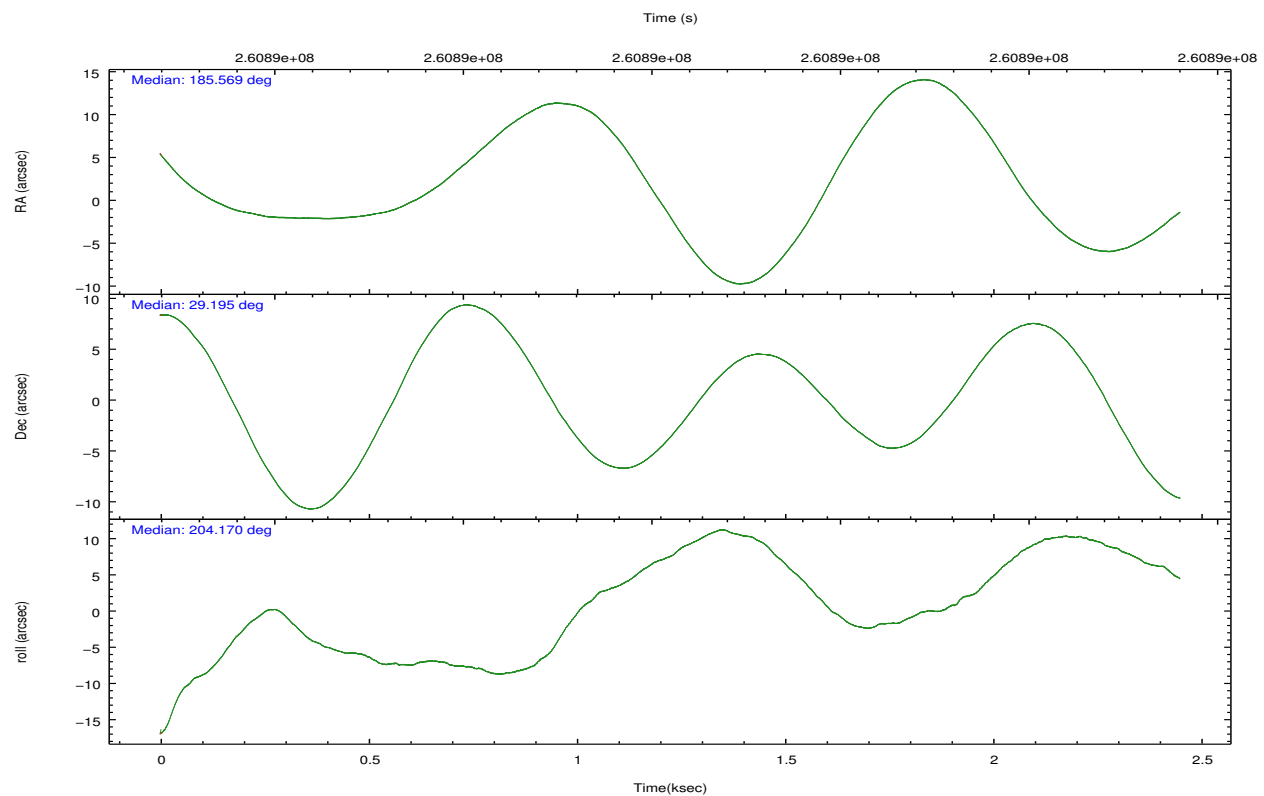
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24234	22052	35187	23162	31196	28717	grade 0 events	1248	1192	2088	1038	1188	2028
rejected events	21644	19559	19559	20580	18923	22860		5%	5%	5%	4%	3%	7%
rejected %	89%	88%	55%	88%	60%	79%	grade 1 events	22	8	67	8	36	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	547	462	5047	600	2605	1275
								2%	2%	14%	2%	8%	4%
							grade 3 events	267	257	646	285	1140	672
								1%	1%	1%	1%	3%	2%
							grade 4 events	243	255	630	246	1163	645
								1%	1%	1%	1%	3%	2%
							grade 5 events	922	1027	2602	1045	2976	1429
								3%	4%	7%	4%	9%	4%
							grade 6 events	468	488	8232	585	6973	1699
								1%	2%	23%	2%	22%	5%
							grade 7 events	20517	18363	15875	19355	15115	20947
								84%	83%	45%	83%	48%	72%

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	185.587633	185.5695223001652	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.217226	29.19484541820839	Alternating exposures requested	N	N
[deg] Pointing Roll	204.010703	204.176197378087	[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)	260888012.184000	260886856.18232			
Observation start date	2006-04-08T12:52:27	2006-04-08T12:34:16			
[s] Observation end time (MET)	260890272.184000	260890551.30749			
Observation end date	2006-04-08T13:30:07	2006-04-08T13:35:51			
Read mode	TIMED	TIMED			

2.3 Aspect



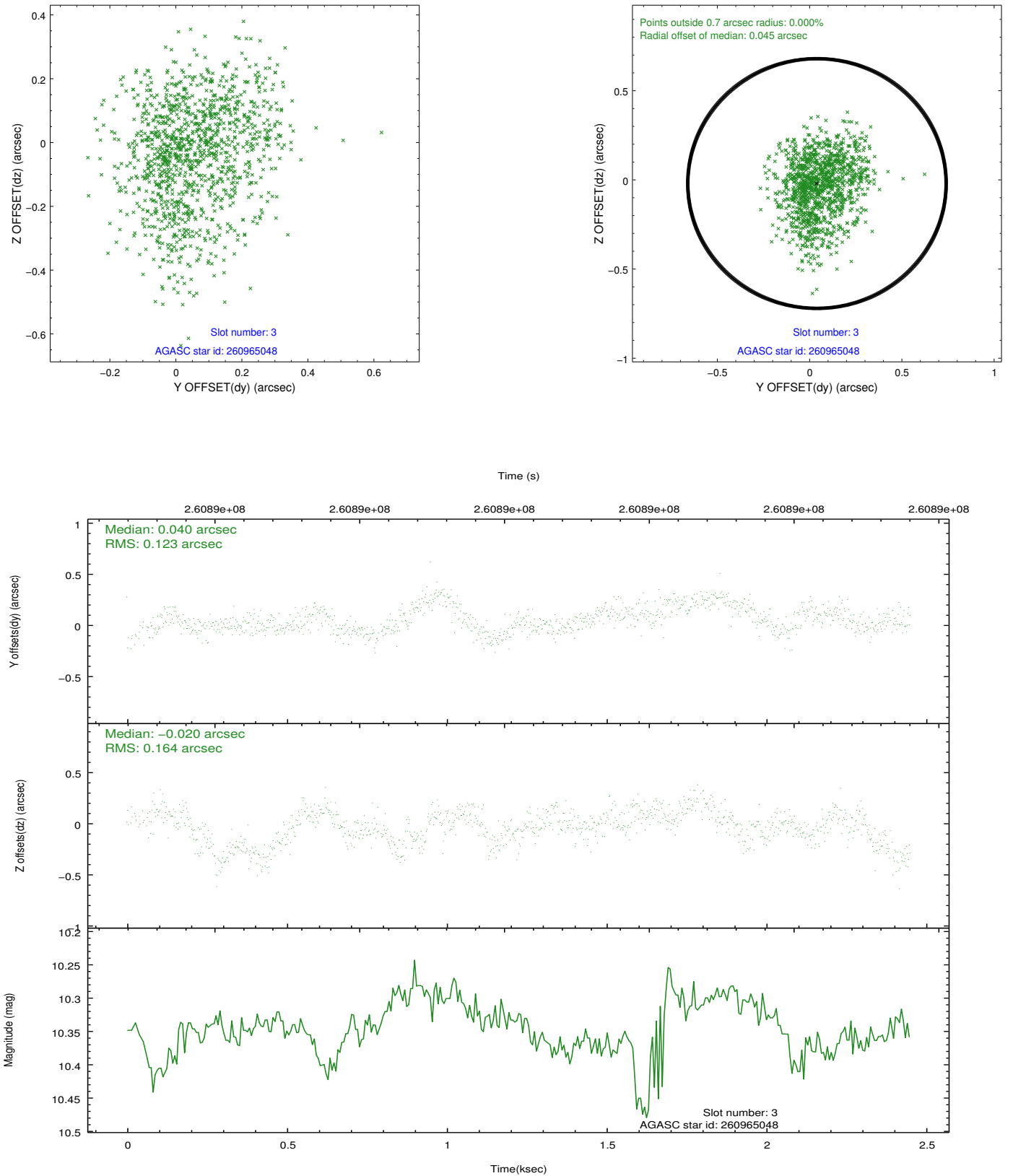


Slot Statistics

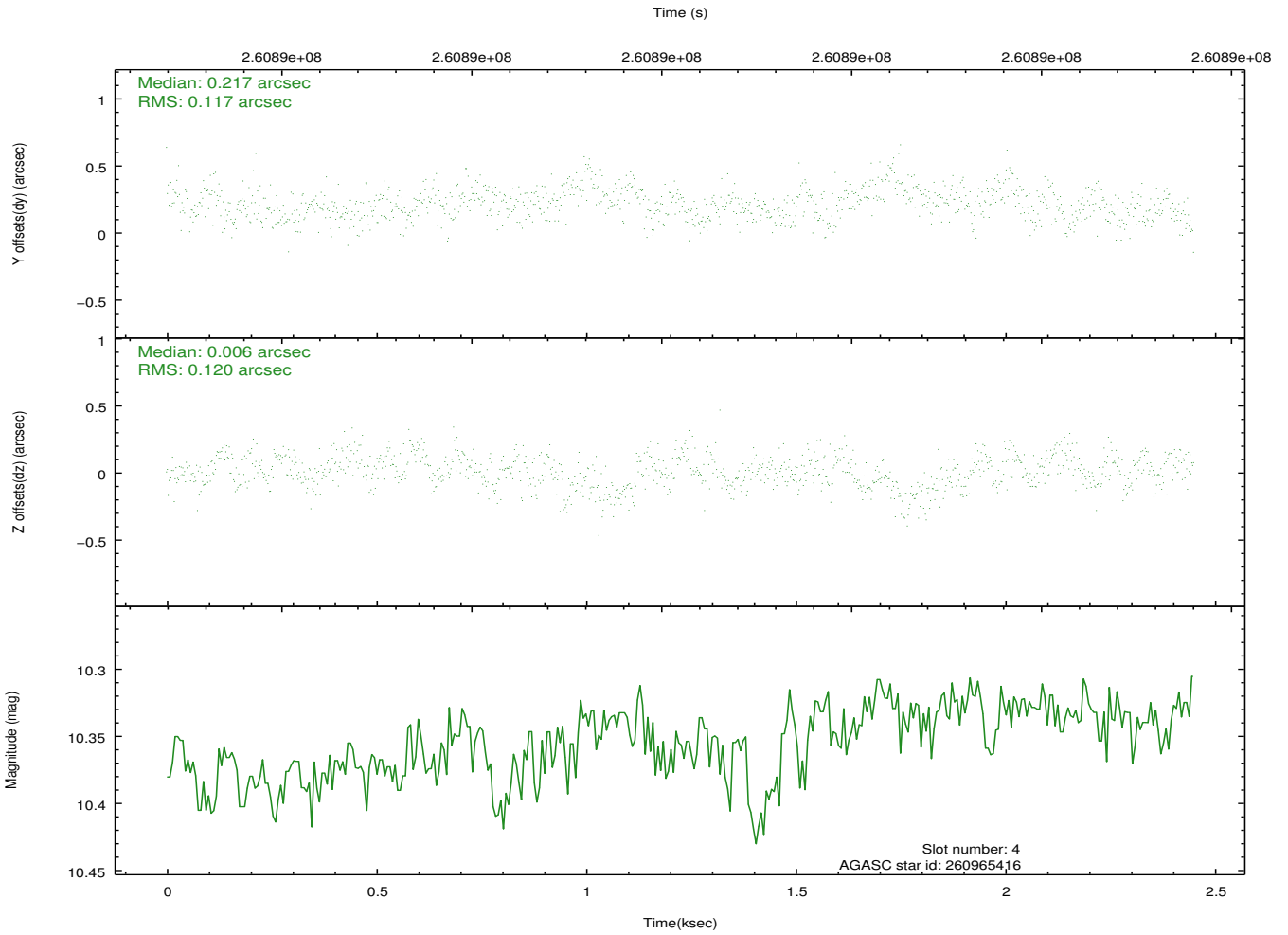
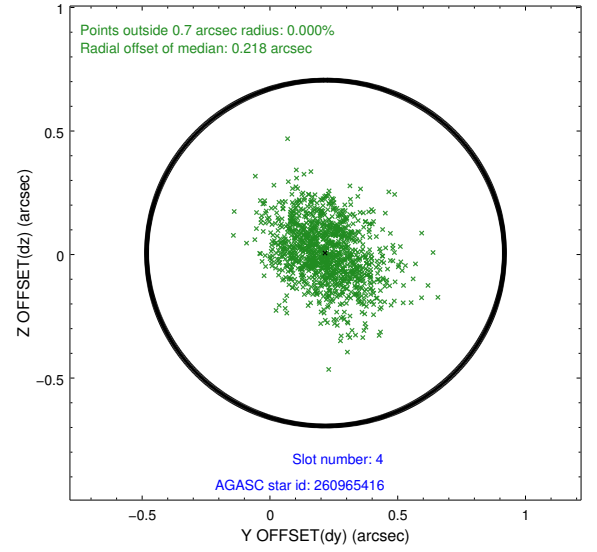
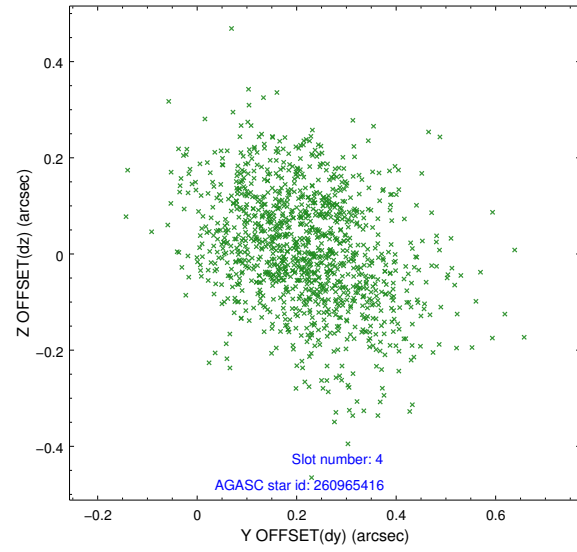
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	598	-0.014	-0.052	0.006	0.010	0.000000	0.000000	-762.04	-1734.61
1	FID	ACIS-S-4	7.20	598	0.130	0.021	0.006	0.011	0.000000	0.000000	2150.20	171.18
2	FID	ACIS-S-5	7.23	598	-0.147	0.040	0.006	0.011	0.000000	0.000000	-1811.60	167.92
3	GUIDE	260965048	10.35	1173	0.040	-0.020	0.219	0.355	185.120667	29.682199	651.79	-2125.91
4	GUIDE	260965416	10.35	1195	0.217	0.006	0.176	0.292	184.798422	29.200373	2287.65	-962.96
5	GUIDE	260965688	10.23	1194	-0.111	0.066	0.156	0.256	186.109030	29.135383	-1377.27	931.96
6	GUIDE	260966048	10.28	1194	-0.147	-0.104	0.276	0.454	185.169624	29.533581	730.37	-1574.48
7	GUIDE	260970456	9.84	1193	0.021	0.050	0.178	0.279	185.484091	28.541794	1289.29	2087.76

2.4 Star Slots

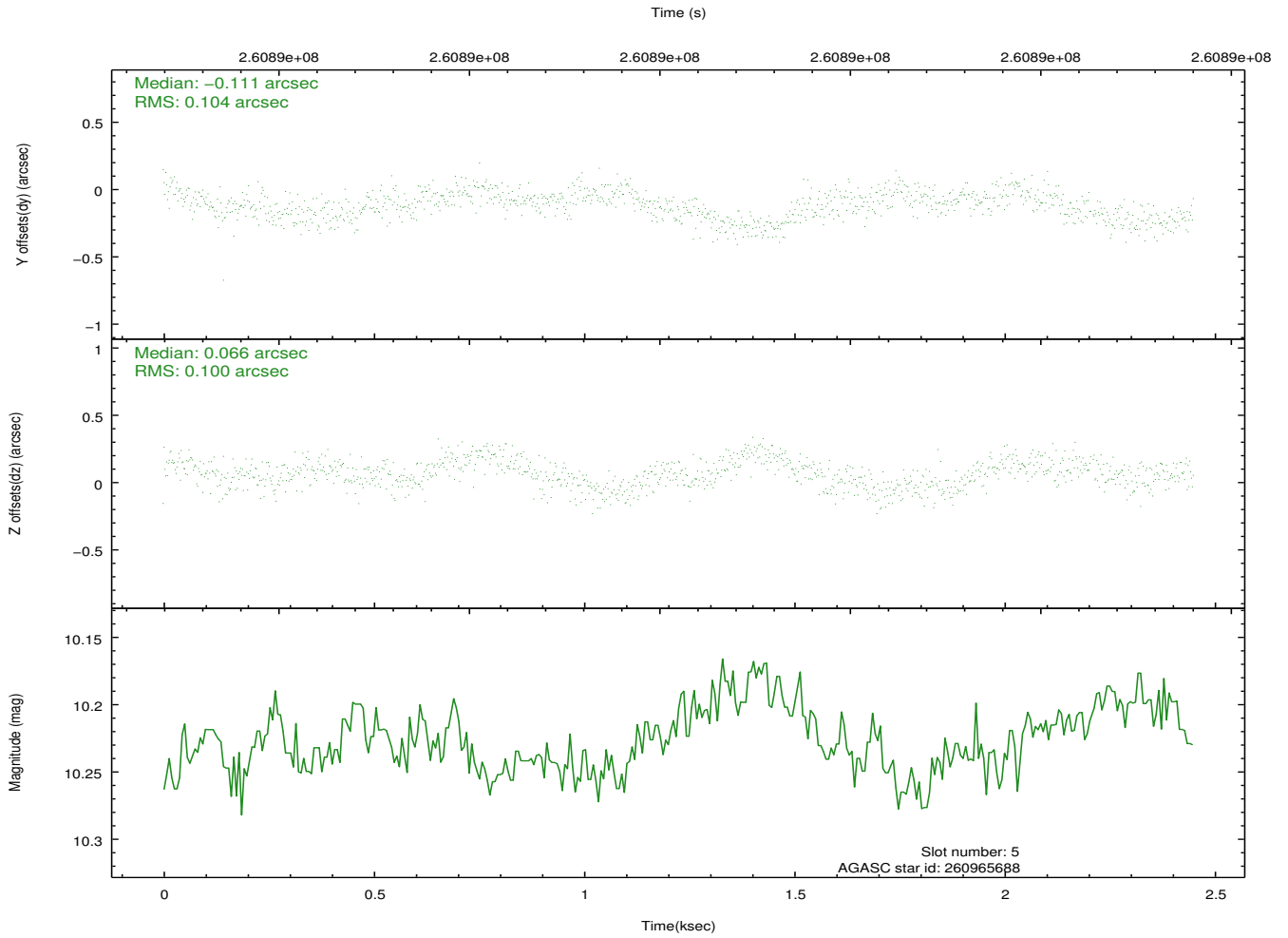
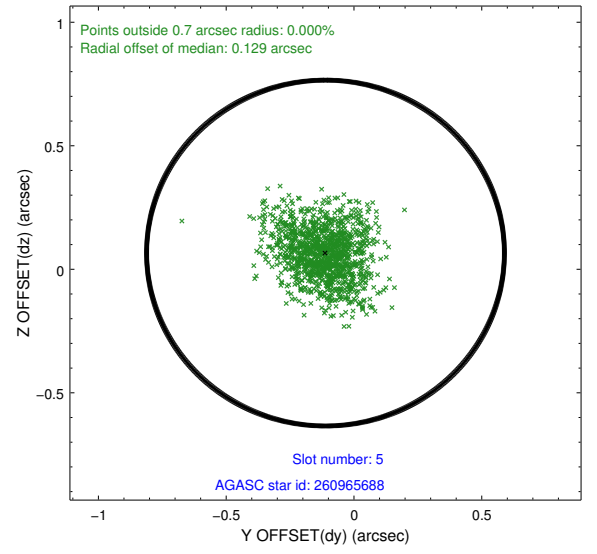
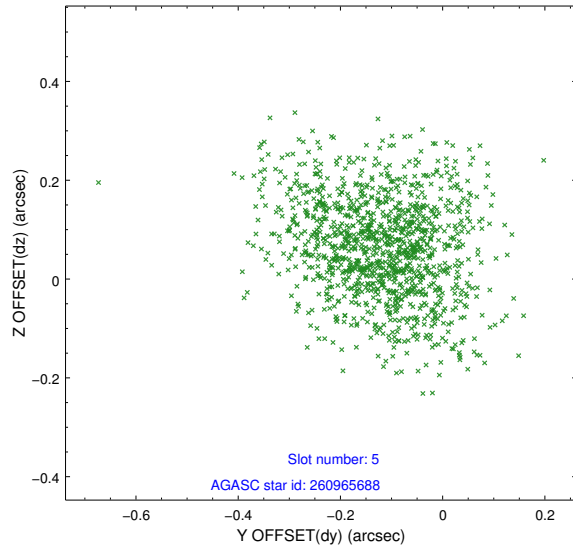
2.4.1 Slot 3



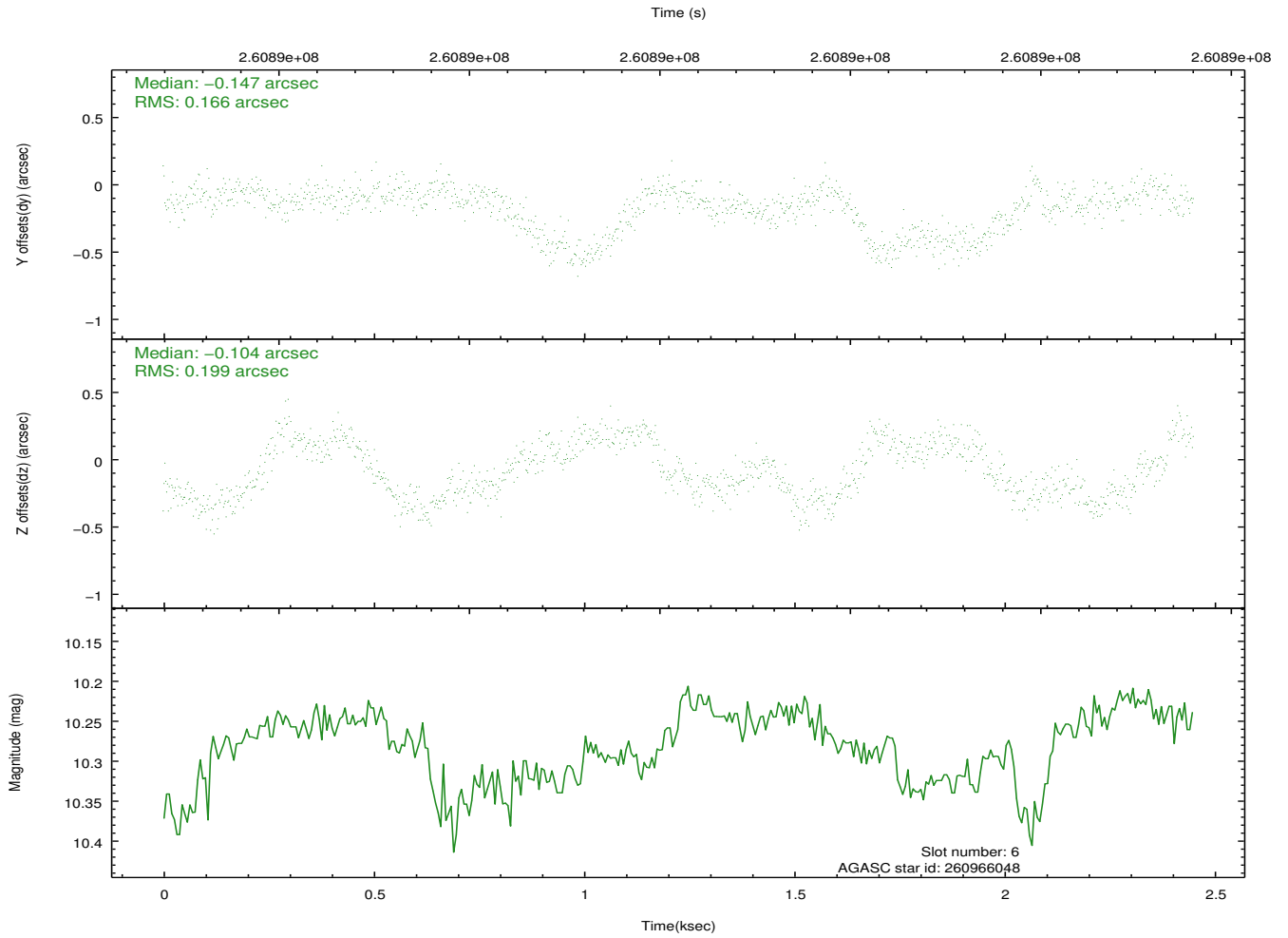
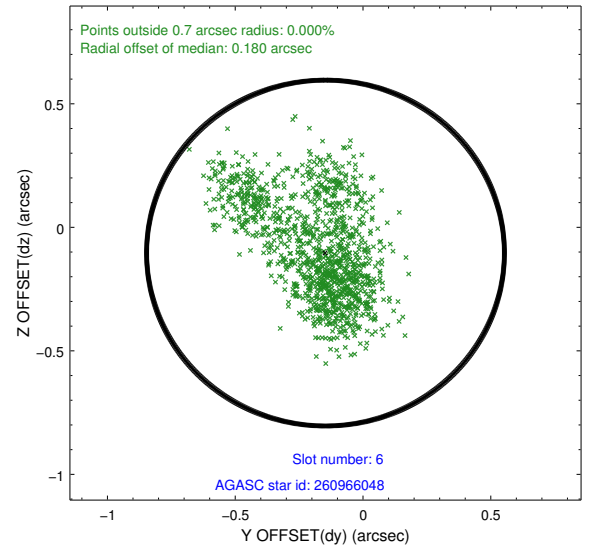
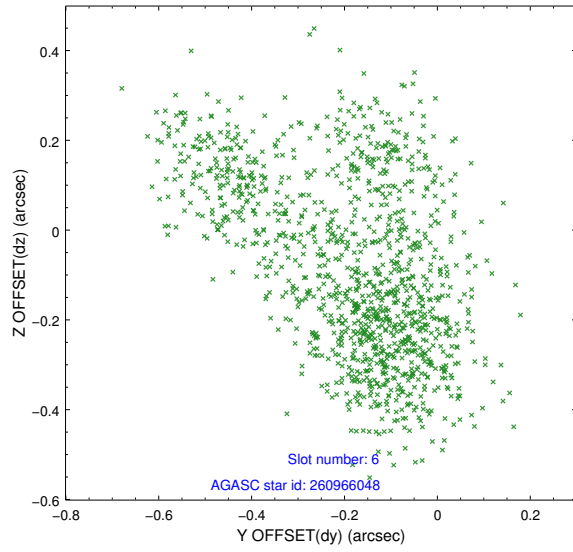
2.4.2 Slot 4



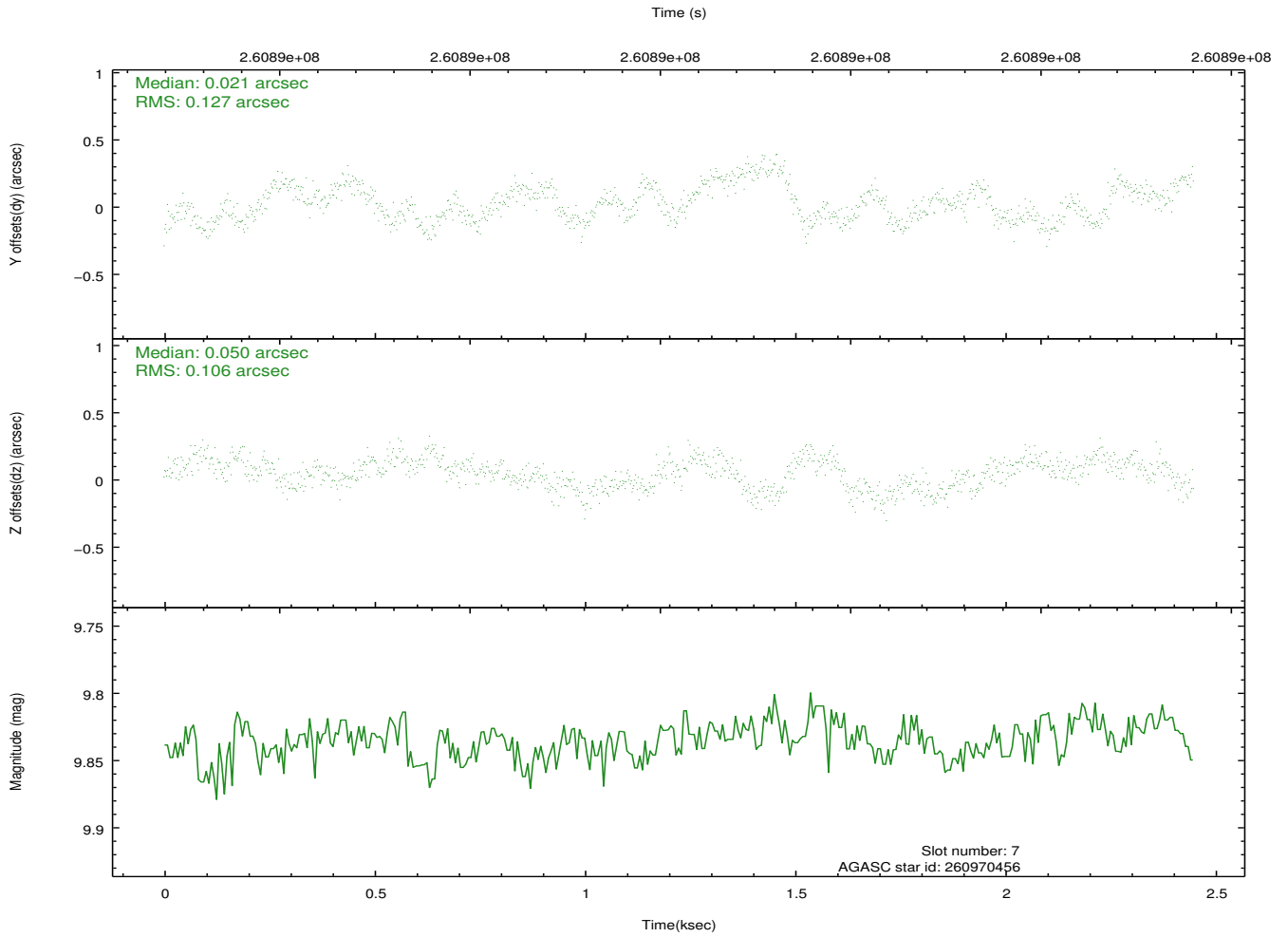
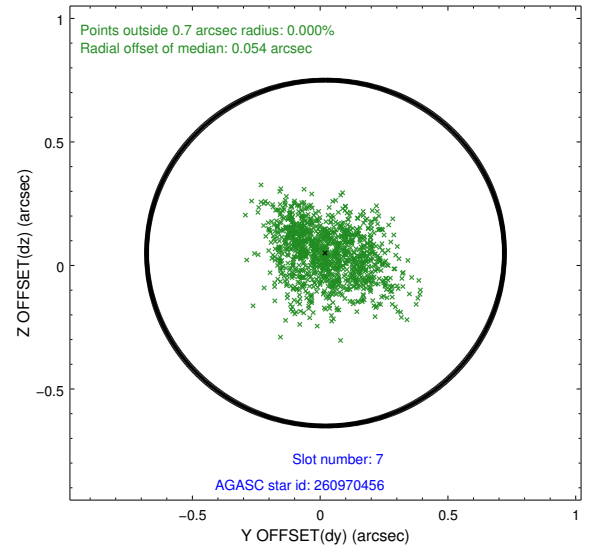
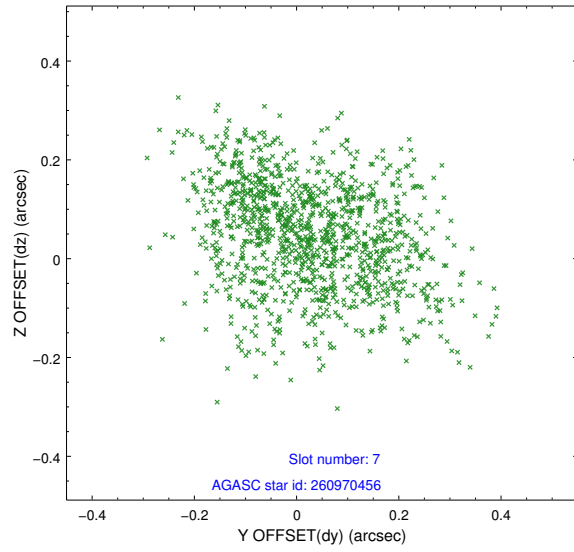
2.4.3 Slot 5



2.4.4 Slot 6

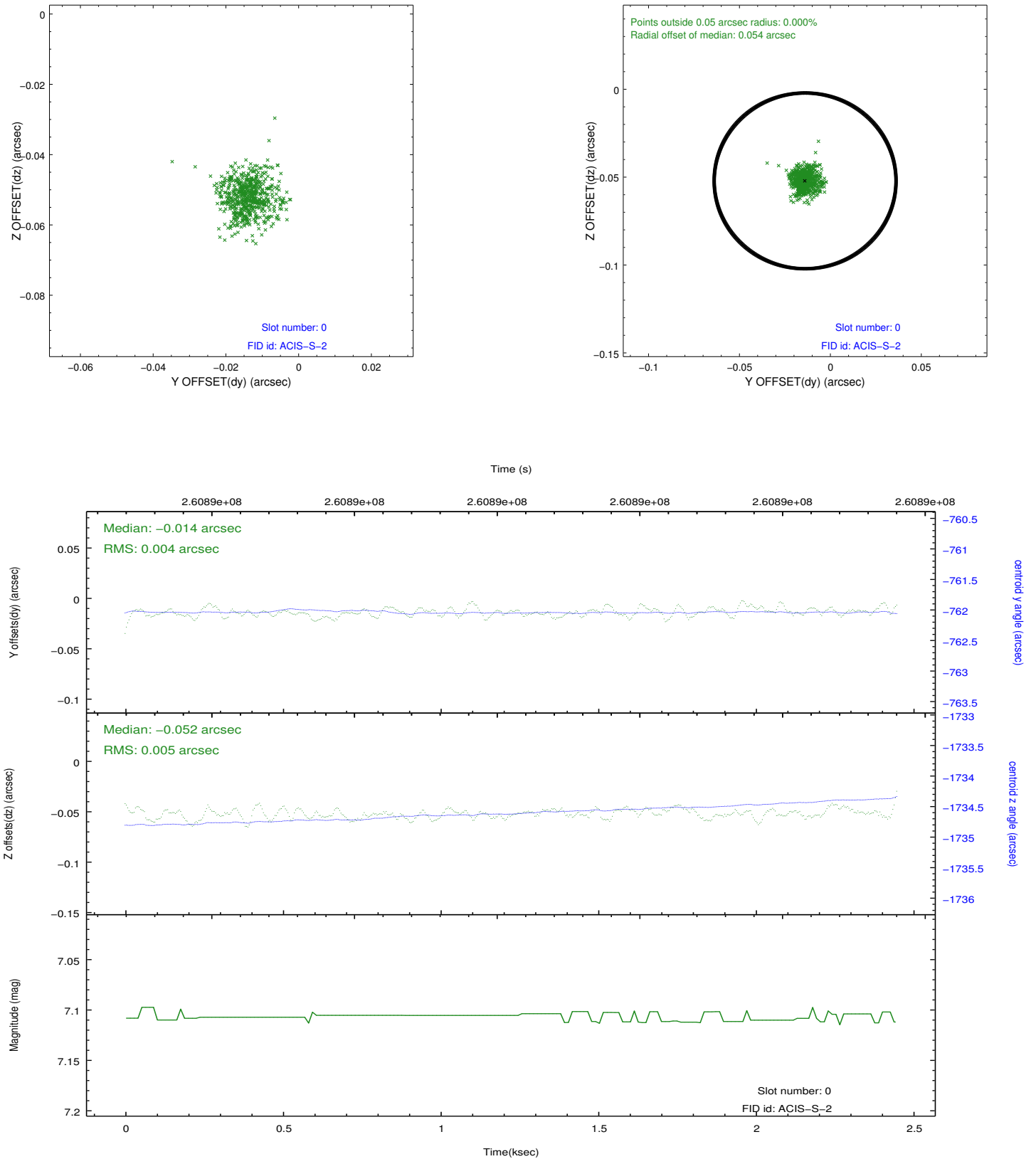


2.4.5 Slot 7

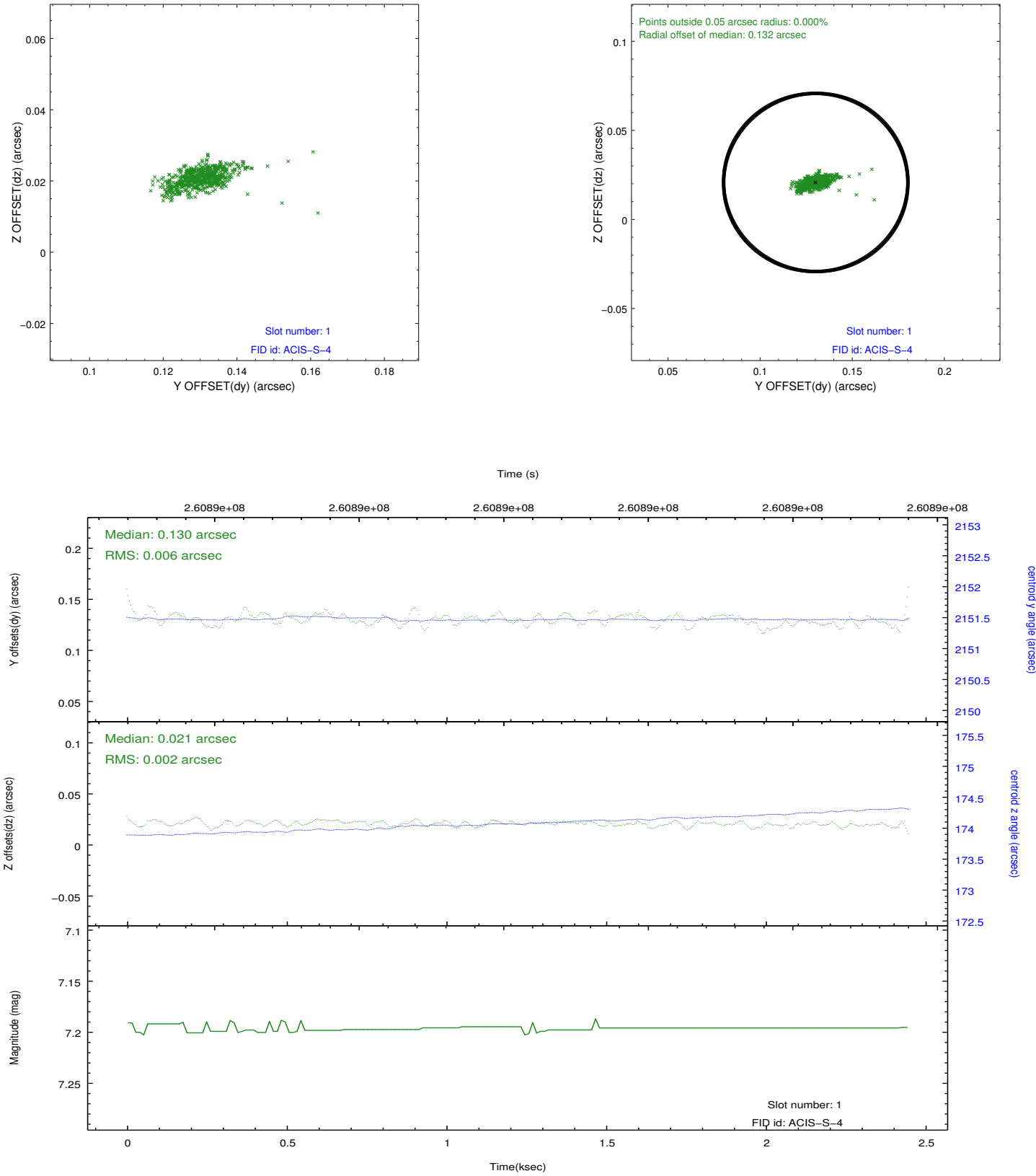


2.5 FID Slots

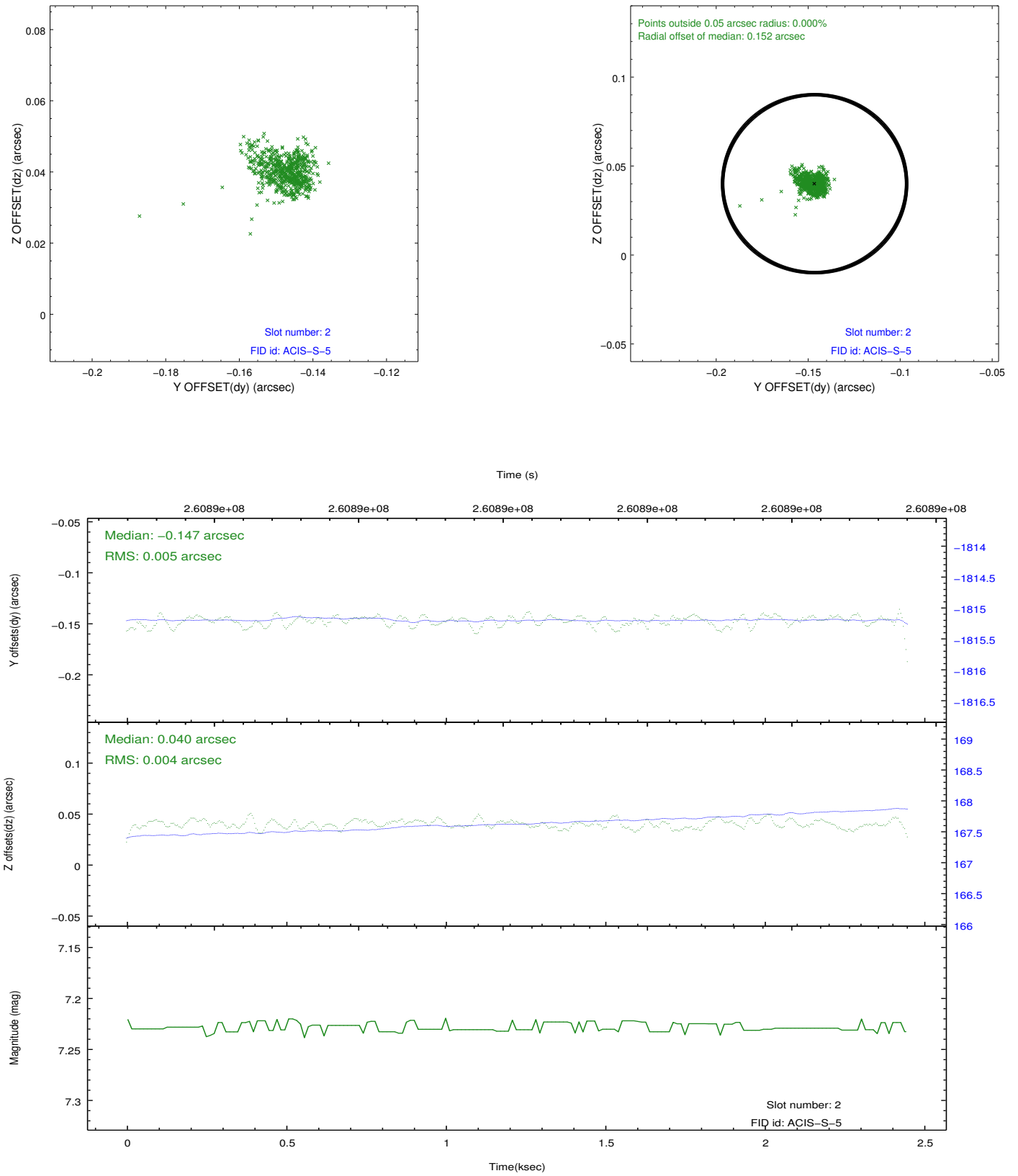
2.5.1 Slot 0



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	2.44479999

A.2 Comments