

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7086 - L2 Version 2
Chandra X-Ray Center

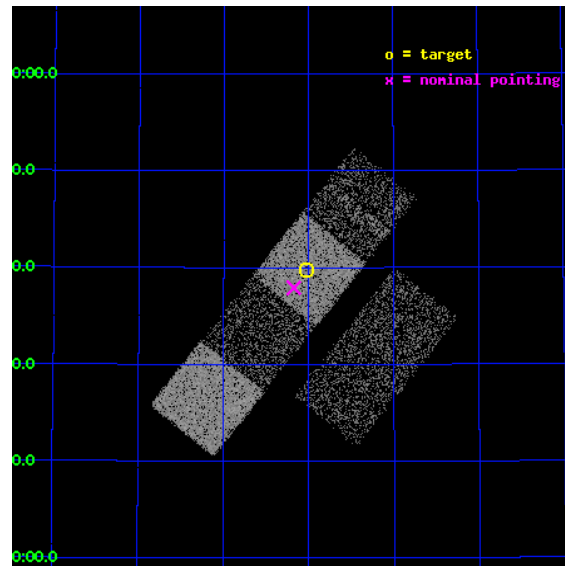
L2 Processing Date : Apr 8 2012

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

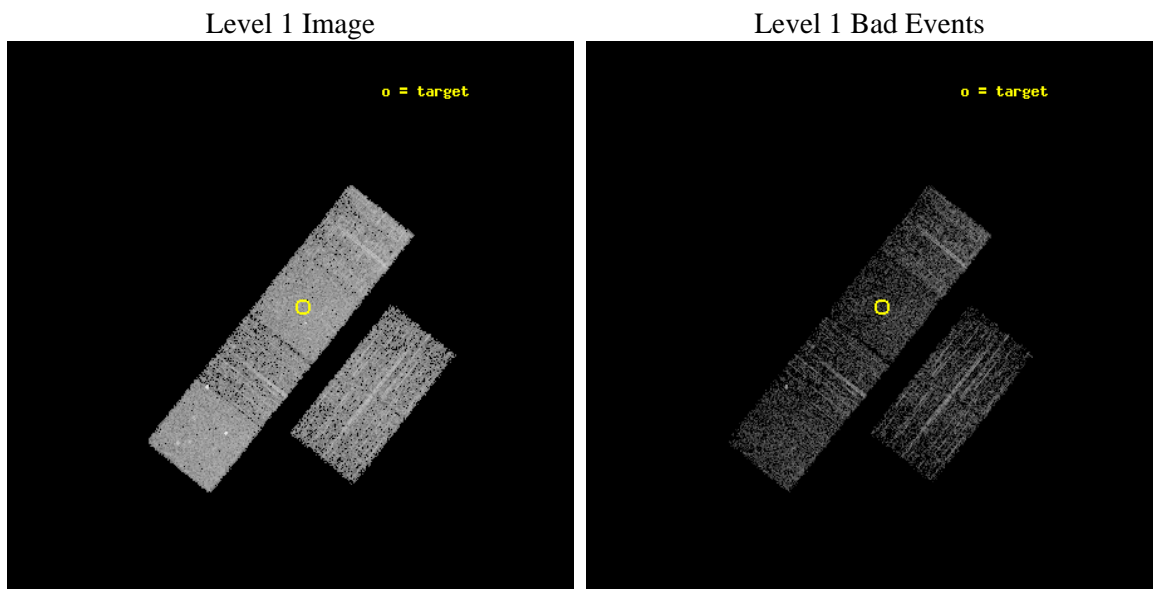
seq_num	600524	Sequence number
obs_id	7086	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 5474	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.256667	Observer's specified target RA [deg]
dec_targ	53.662194	Observer's specified target Dec [deg]
ra_nom	211.29351791382	Nominal RA [deg]
dec_nom	53.632033092766	Nominal Dec [deg]
roll_nom	308.60719915128	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1755.5510771275	Sum of GTIs [s]
livetime	1733.3212323229	Livetime [s]
ontime2	1755.5921370387	Sum of GTIs [s]
ontime3	1755.4279770255	Sum of GTIs [s]
ontime5	1755.5100570321	Sum of GTIs [s]
ontime6	1755.4690170288	Sum of GTIs [s]
ontime7	1755.5510771275	Sum of GTIs [s]
ontime8	1752.1458472013	Sum of GTIs [s]
l2events	26118	Number of level 2 events



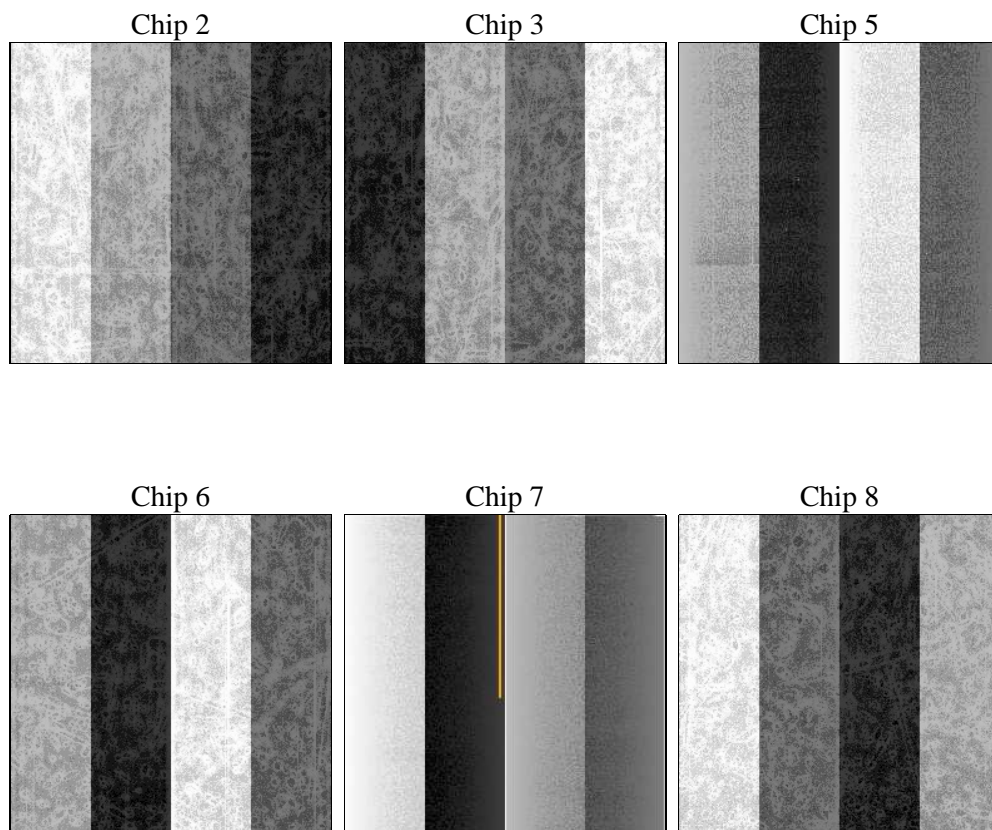
2 OBI

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	1755.5510771275	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1755.5921370387	Sum of GTIs [s]
date	2012-04-08T19:30:10	Date and time of file creation	ontime3	1755.4279770255	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1755.5100570321	Sum of GTIs [s]
			ontime6	1755.4690170288	Sum of GTIs [s]
			ontime7	1755.5510771275	Sum of GTIs [s]
			ontime8	1752.1458472013	Sum of GTIs [s]
			l1events	118778	Number of level 1 events

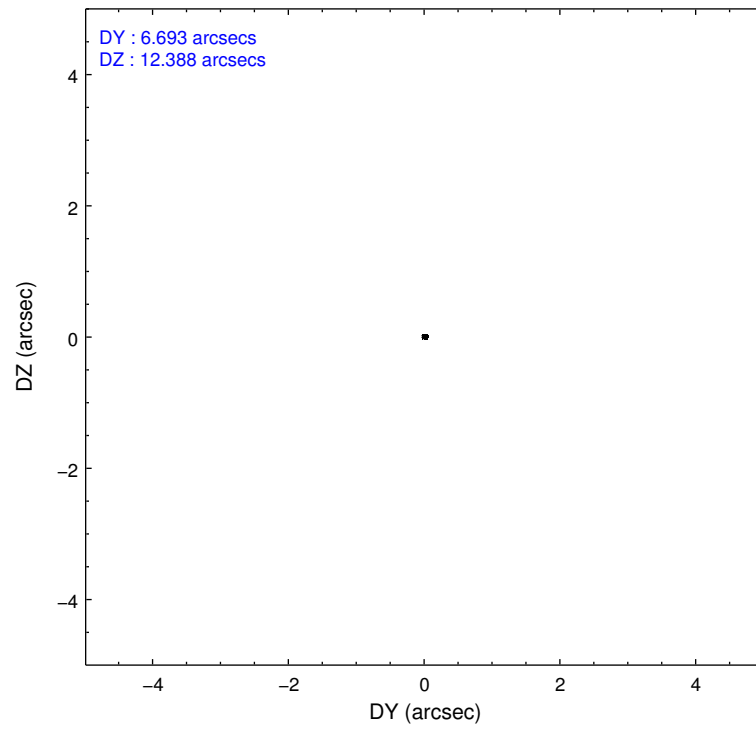
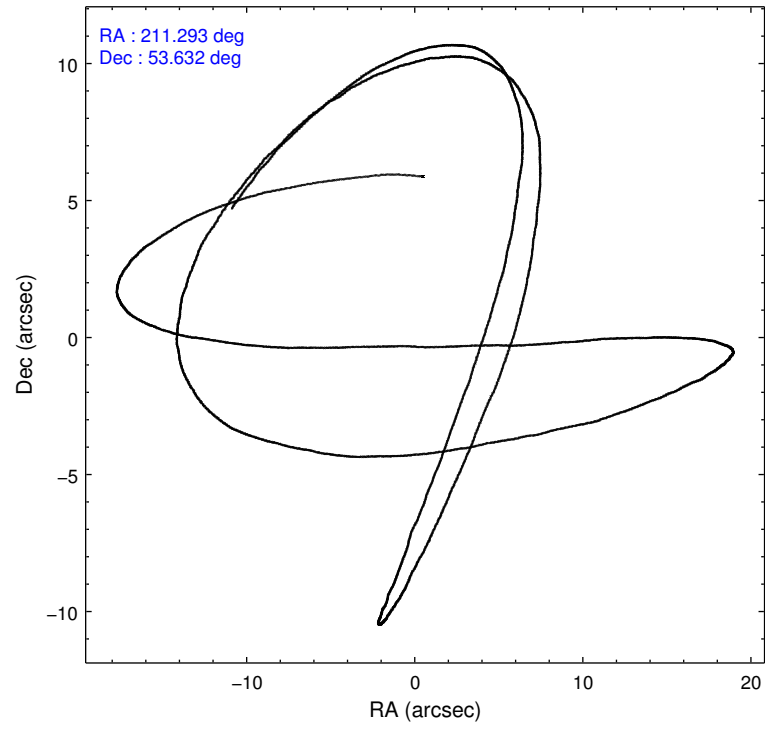
2.1.4 Events

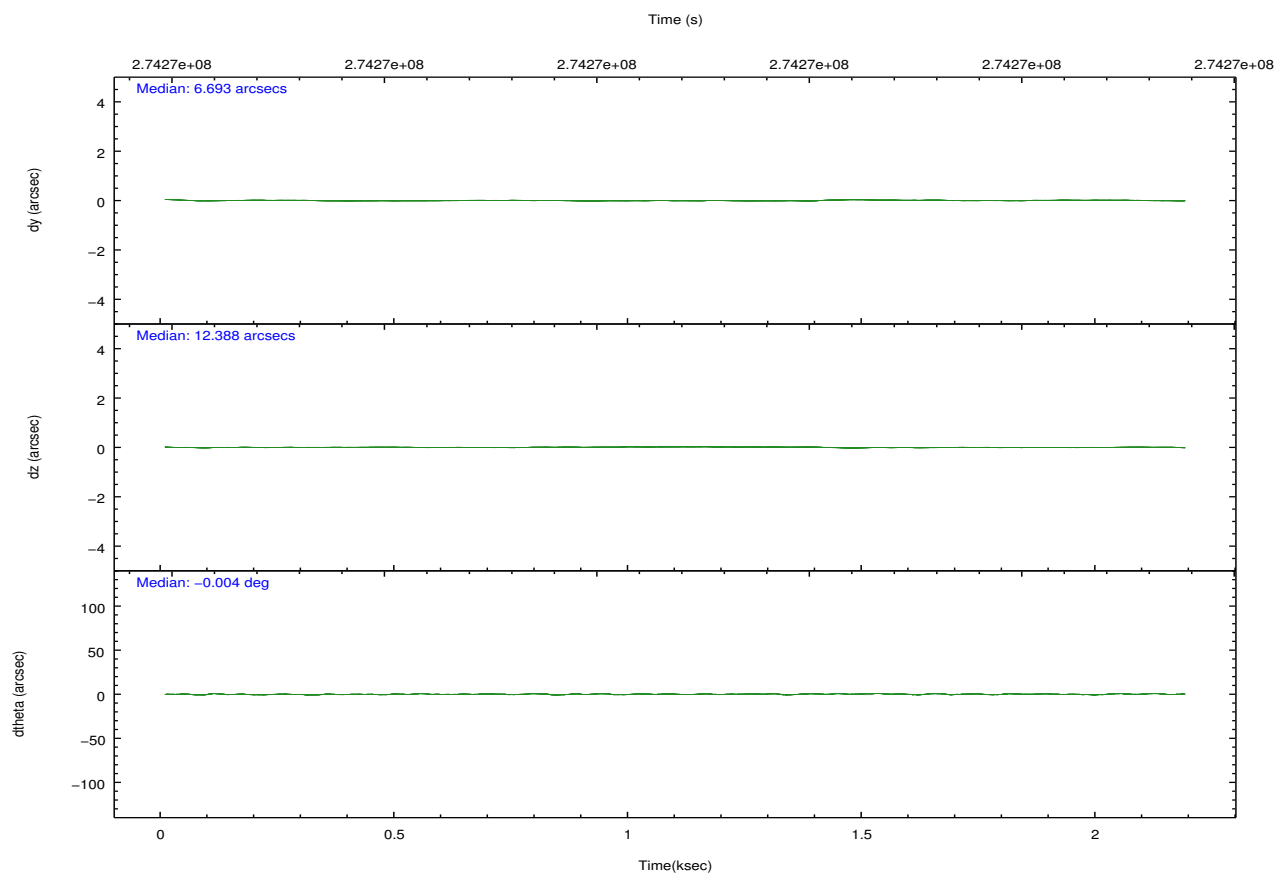
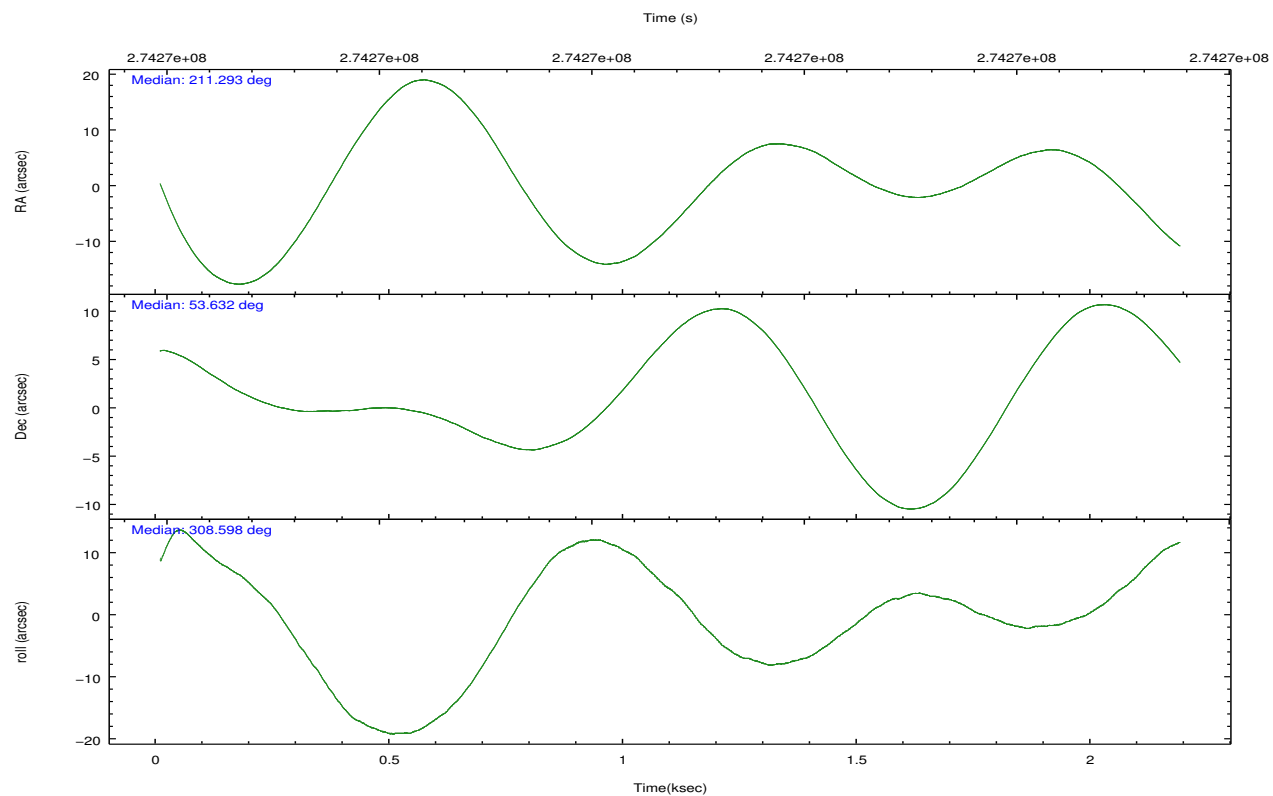
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15952	16496	24387	16138	21766	24039	grade 0 events	870	773	1345	706	847	1368
rejected events	14127	14675	12735	14303	12446	19392		5%	4%	5%	4%	3%	5%
rejected %	88%	88%	52%	88%	57%	80%	grade 1 events	9	12	60	5	22	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	336	351	3380	399	1909	985
								2%	2%	13%	2%	8%	4%
							grade 3 events	175	180	504	178	843	551
								1%	1%	2%	1%	3%	2%
							grade 4 events	163	184	399	159	802	430
								1%	1%	1%	0%	3%	1%
							grade 5 events	603	704	1885	751	2027	875
								3%	4%	7%	4%	9%	3%
							grade 6 events	284	337	6049	398	4935	1318
								1%	2%	24%	2%	22%	5%
							grade 7 events	13512	13955	10765	13542	10381	18488
								84%	84%	44%	83%	47%	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	211.250681	211.2935179138211	Subarray requested	NONE	NONE
[deg] Pointing Dec	53.641485	53.63203309276572	Alternating exposures requested	N	N
[deg] Pointing Roll	308.485081	308.6071991512755	[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)	274270273.184000	274269601.72101			
Observation start date	2006-09-10T10:10:08	2006-09-10T10:00:01			
[s] Observation end time (MET)	274272273.184000	274273490.57119			
Observation end date	2006-09-10T10:43:28	2006-09-10T11:04:50			
Read mode	TIMED	TIMED			

2.3 Aspect



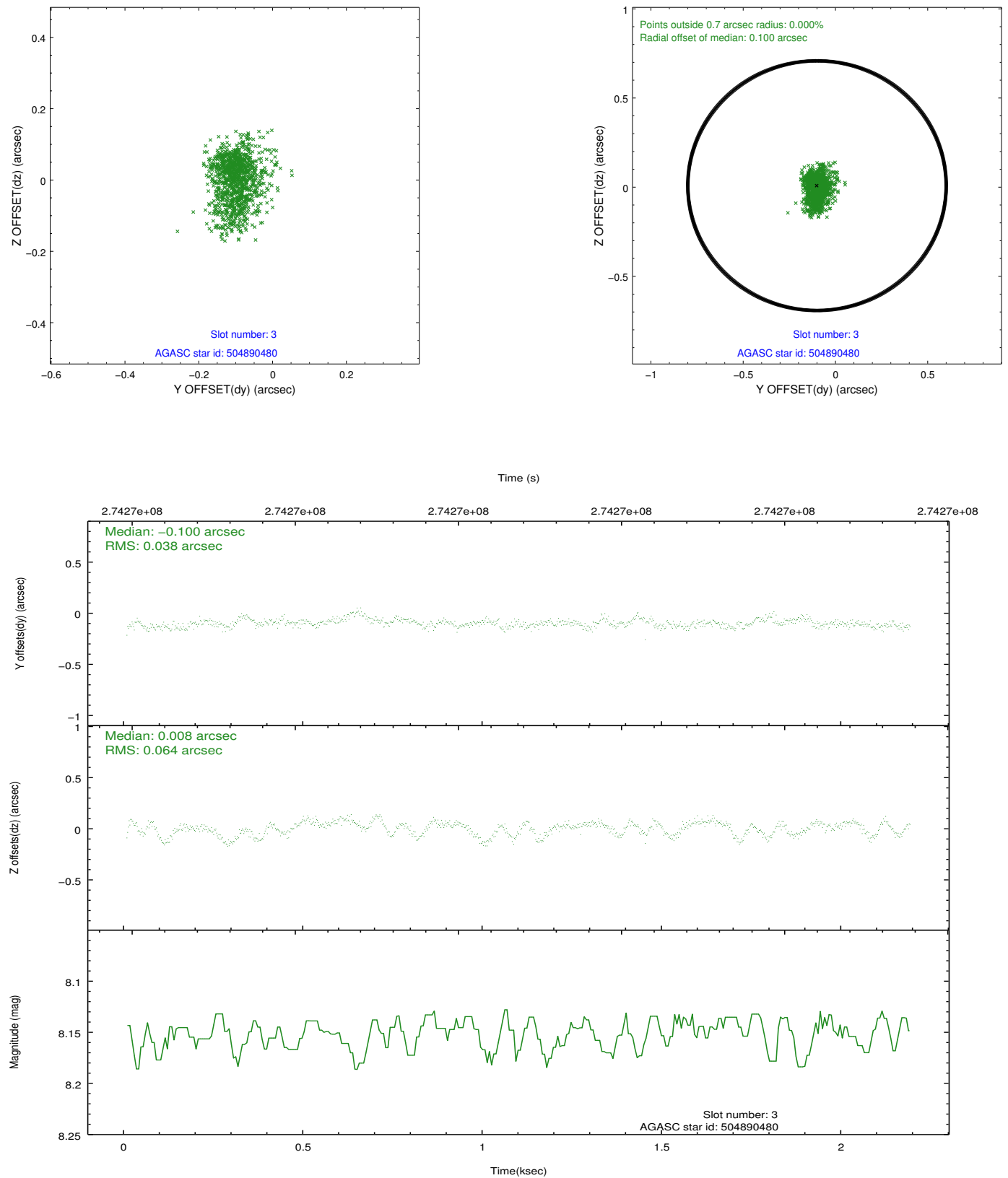


Slot Statistics

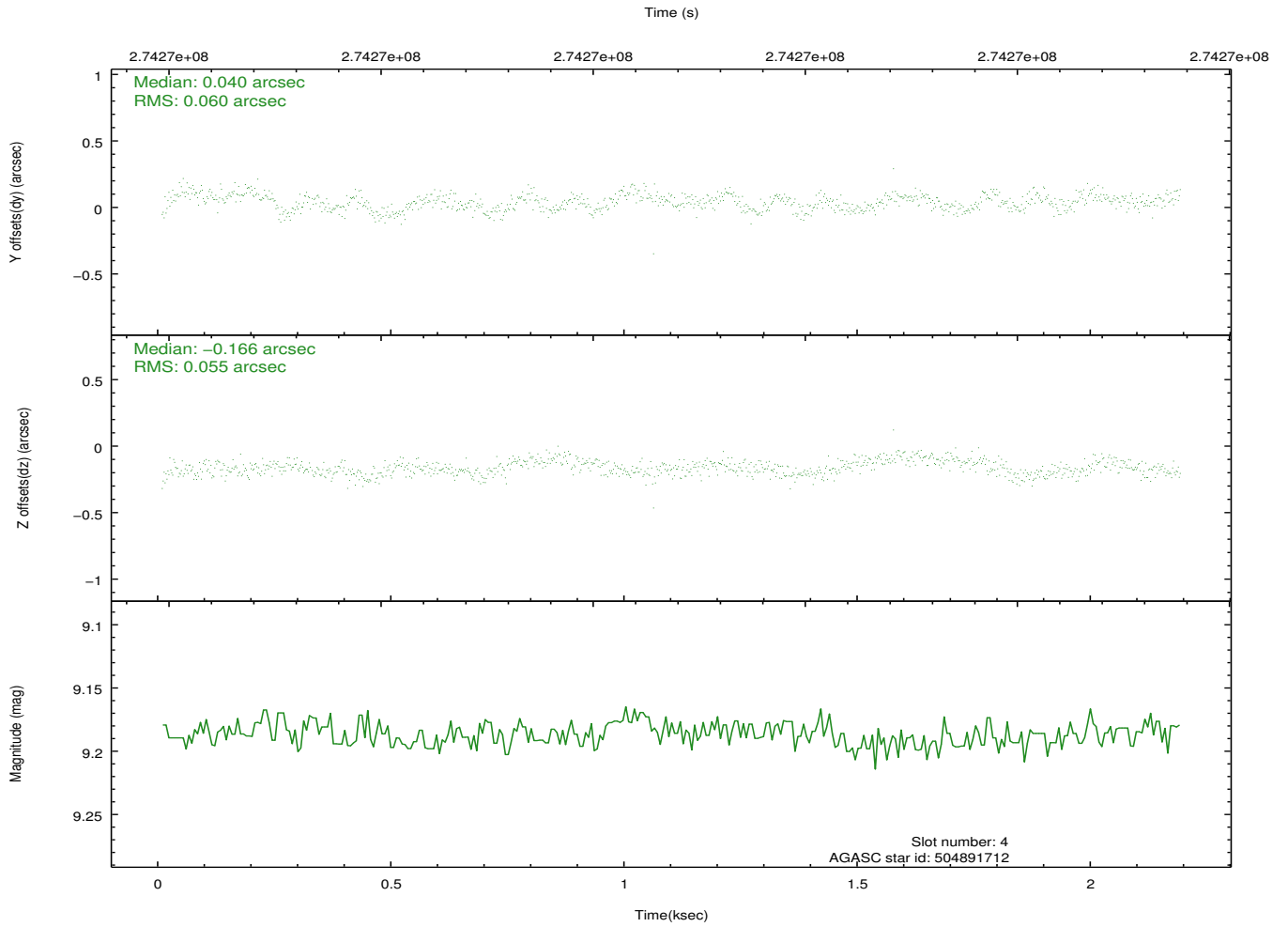
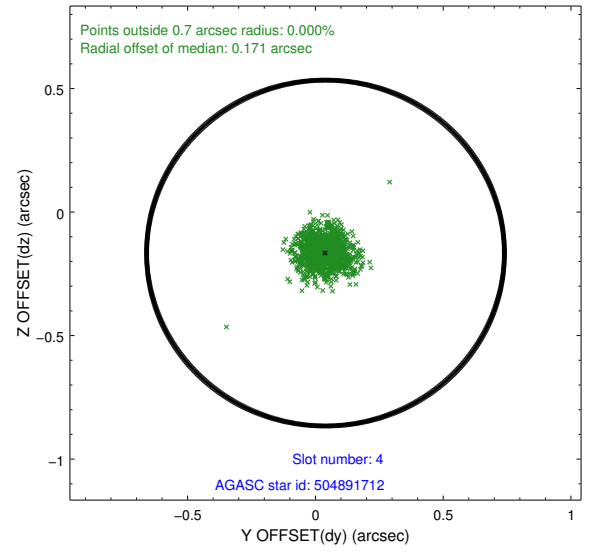
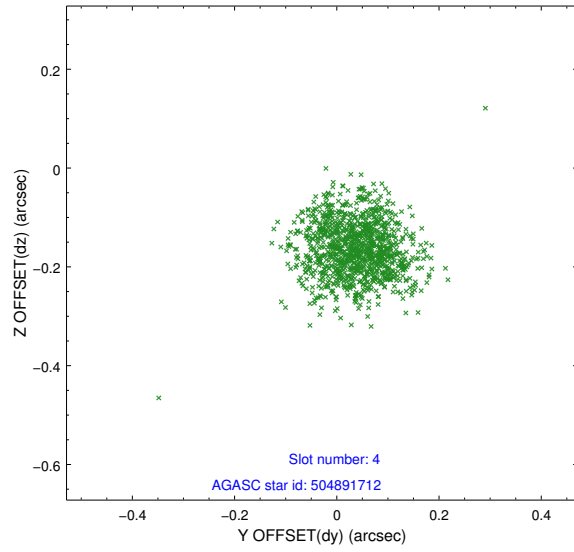
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	532	-0.032	-0.043	0.007	0.011	0.000000	0.000000	-759.48	-1733.69
1	FID	ACIS-S-4	7.21	533	0.078	0.027	0.005	0.009	0.000000	0.000000	2152.56	171.76
2	FID	ACIS-S-5	7.23	533	-0.077	0.024	0.007	0.011	0.000000	0.000000	-1808.52	168.85
3	GUIDE	504890480	8.15	1066	-0.100	0.008	0.075	0.136	210.132463	53.768436	-1851.93	-1567.10
4	GUIDE	504891712	9.19	1065	0.040	-0.166	0.086	0.134	211.460410	54.206144	-1318.04	1609.76
5	GUIDE	504894408	9.28	1064	0.027	-0.068	0.088	0.140	211.942794	54.047749	-240.88	2061.52
6	GUIDE	504898912	9.79	1065	0.066	0.064	0.118	0.196	210.501433	53.478547	-545.67	-1614.02
7	GUIDE	504901144	9.87	1061	-0.037	0.171	0.148	0.238	210.649550	53.306326	136.21	-1760.52

2.4 Star Slots

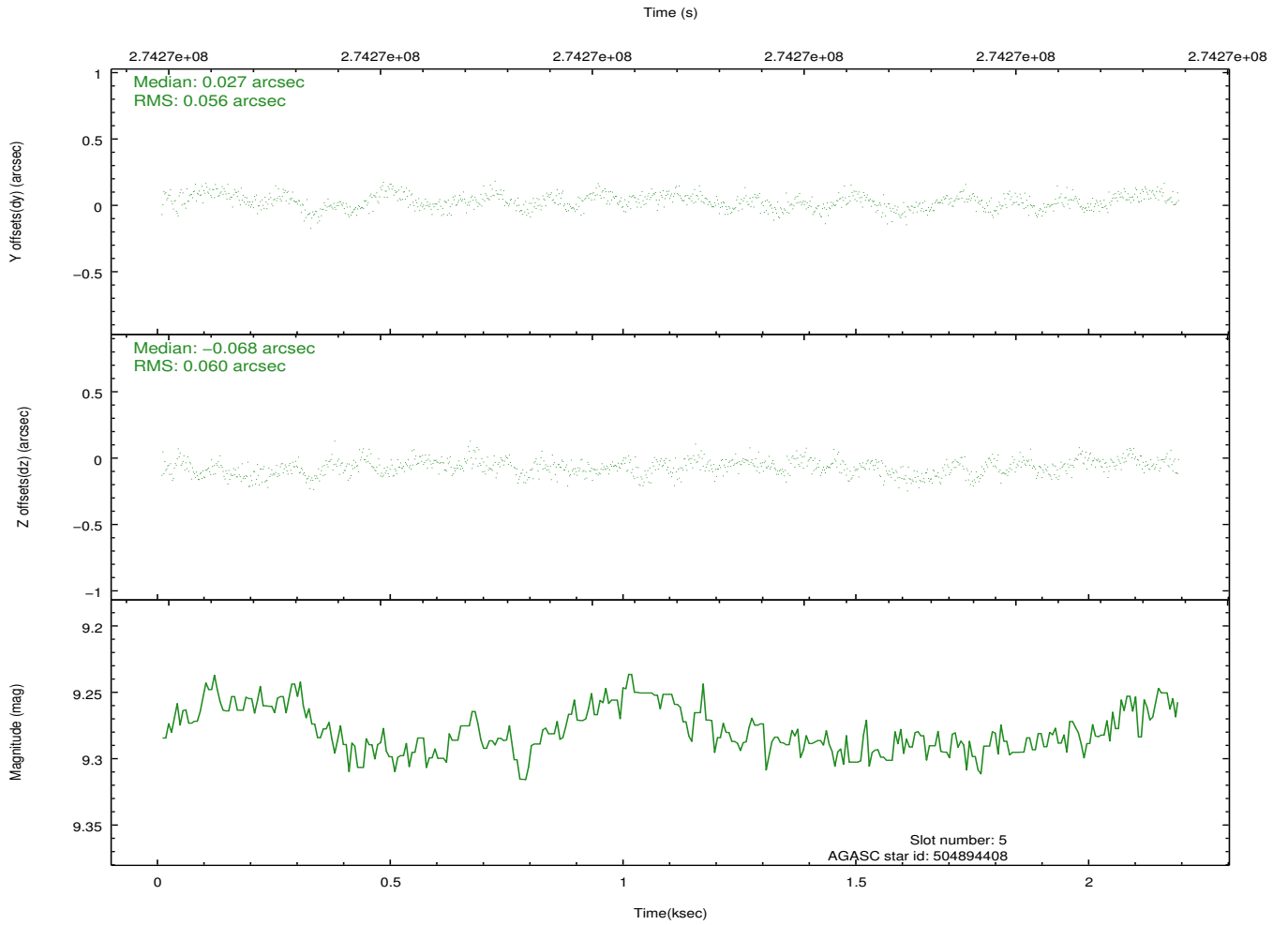
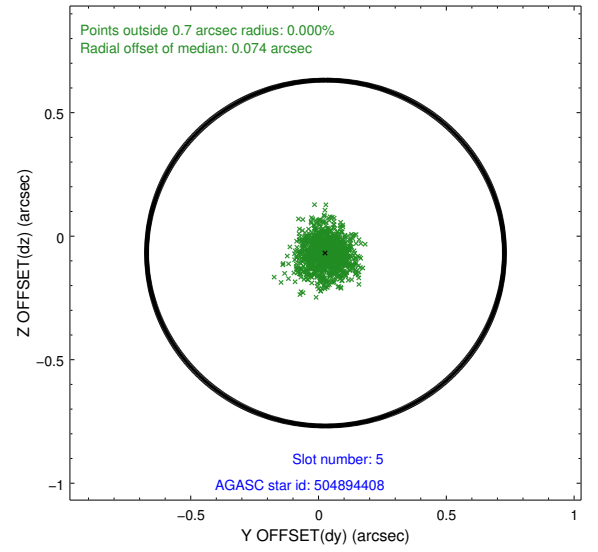
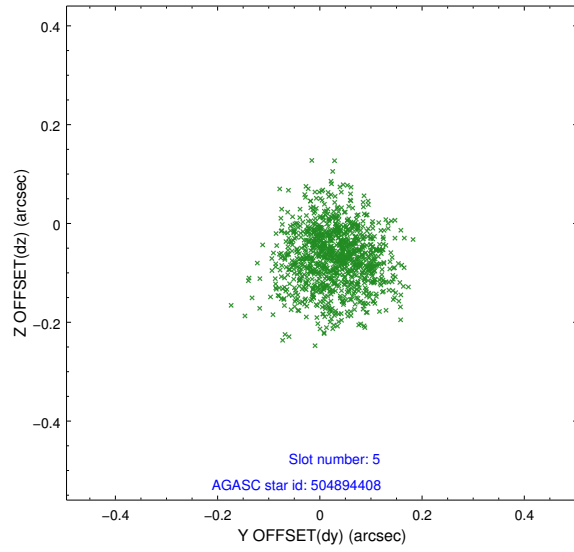
2.4.1 Slot 3



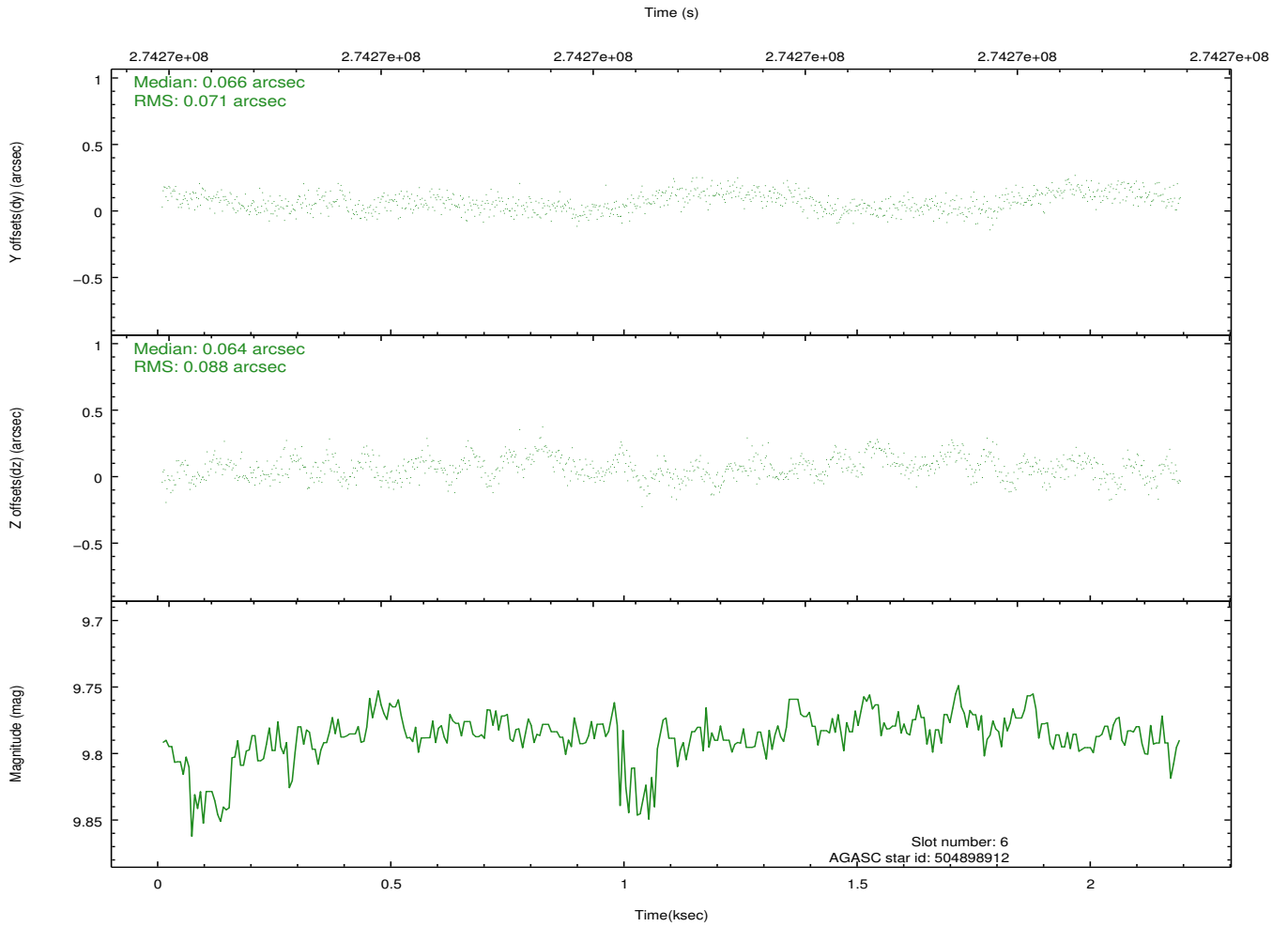
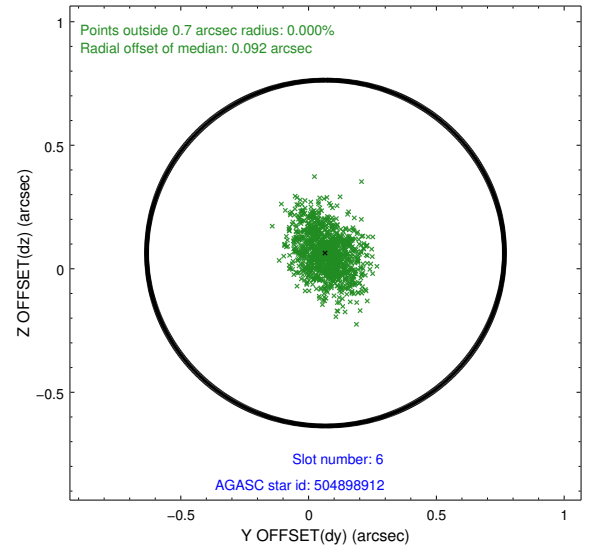
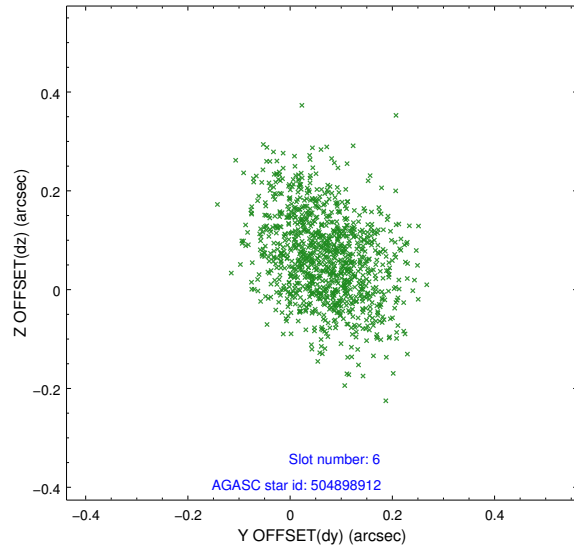
2.4.2 Slot 4



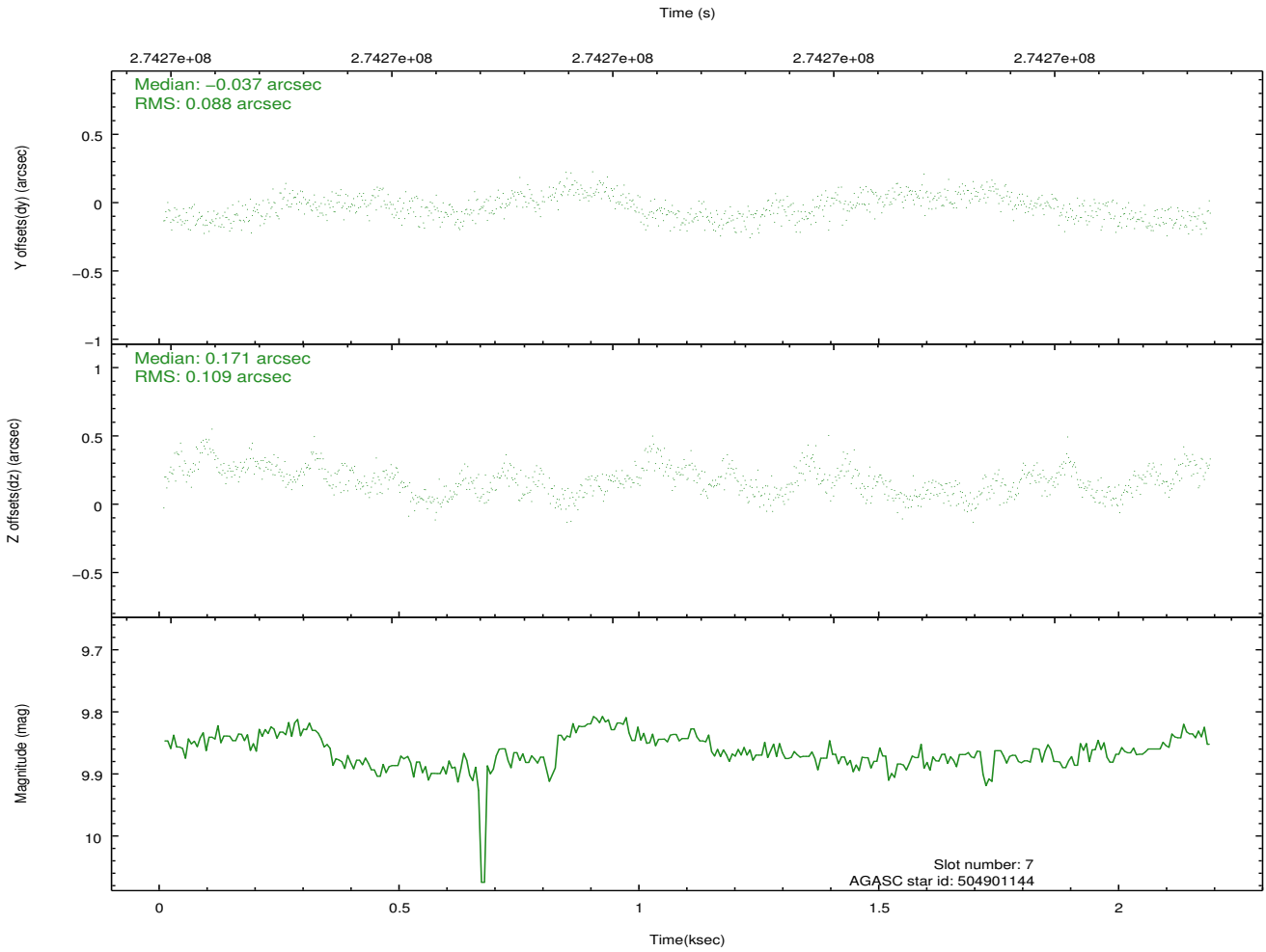
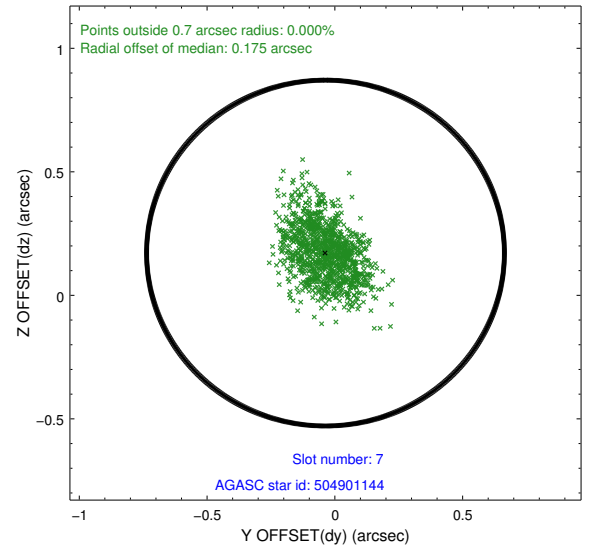
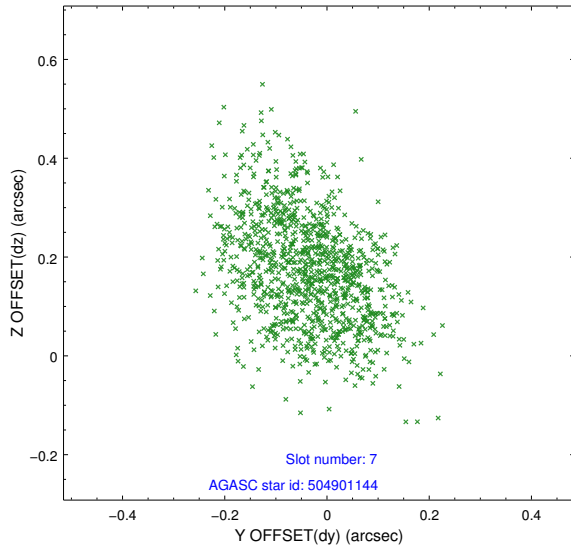
2.4.3 Slot 5



2.4.4 Slot 6

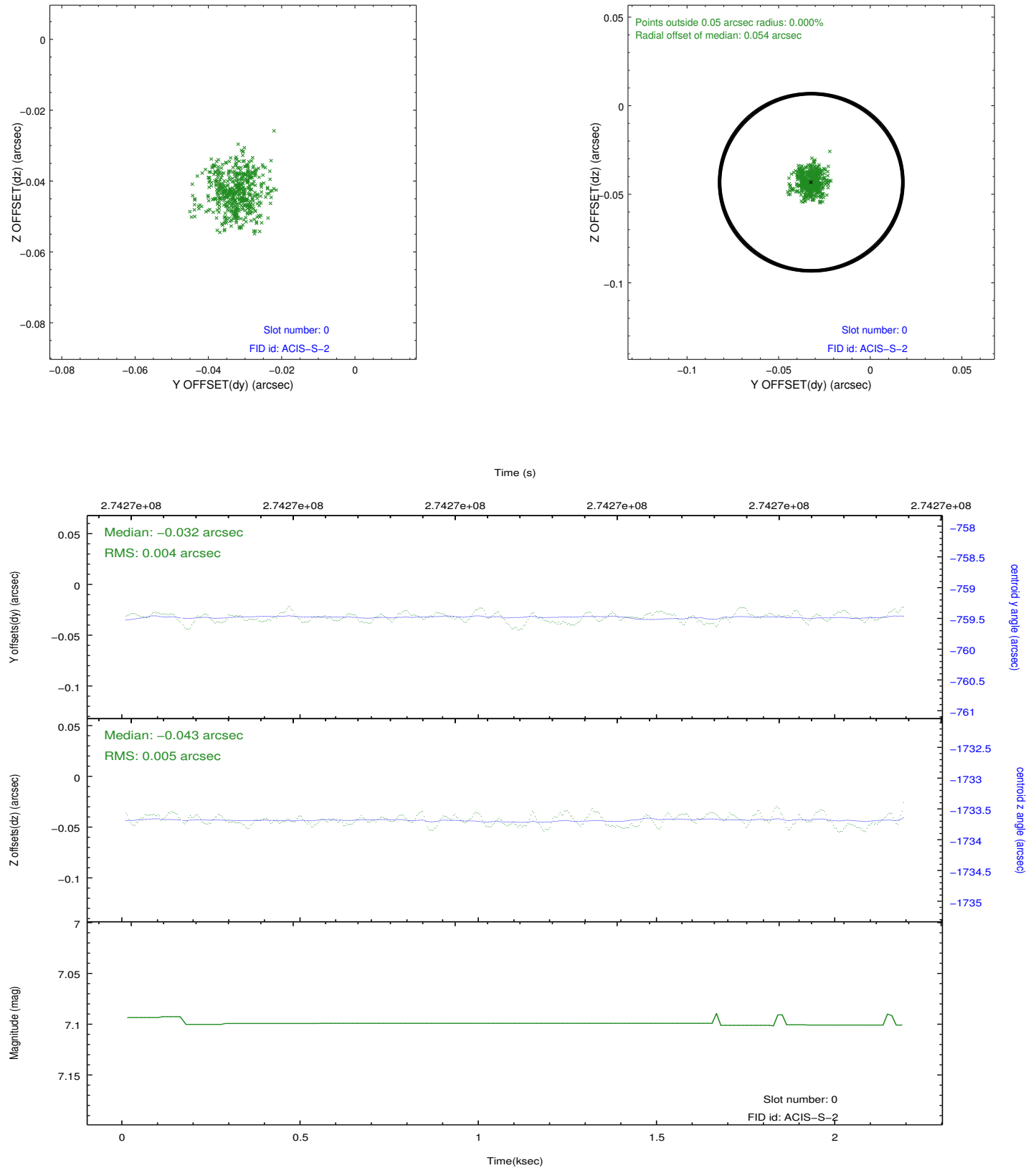


2.4.5 Slot 7

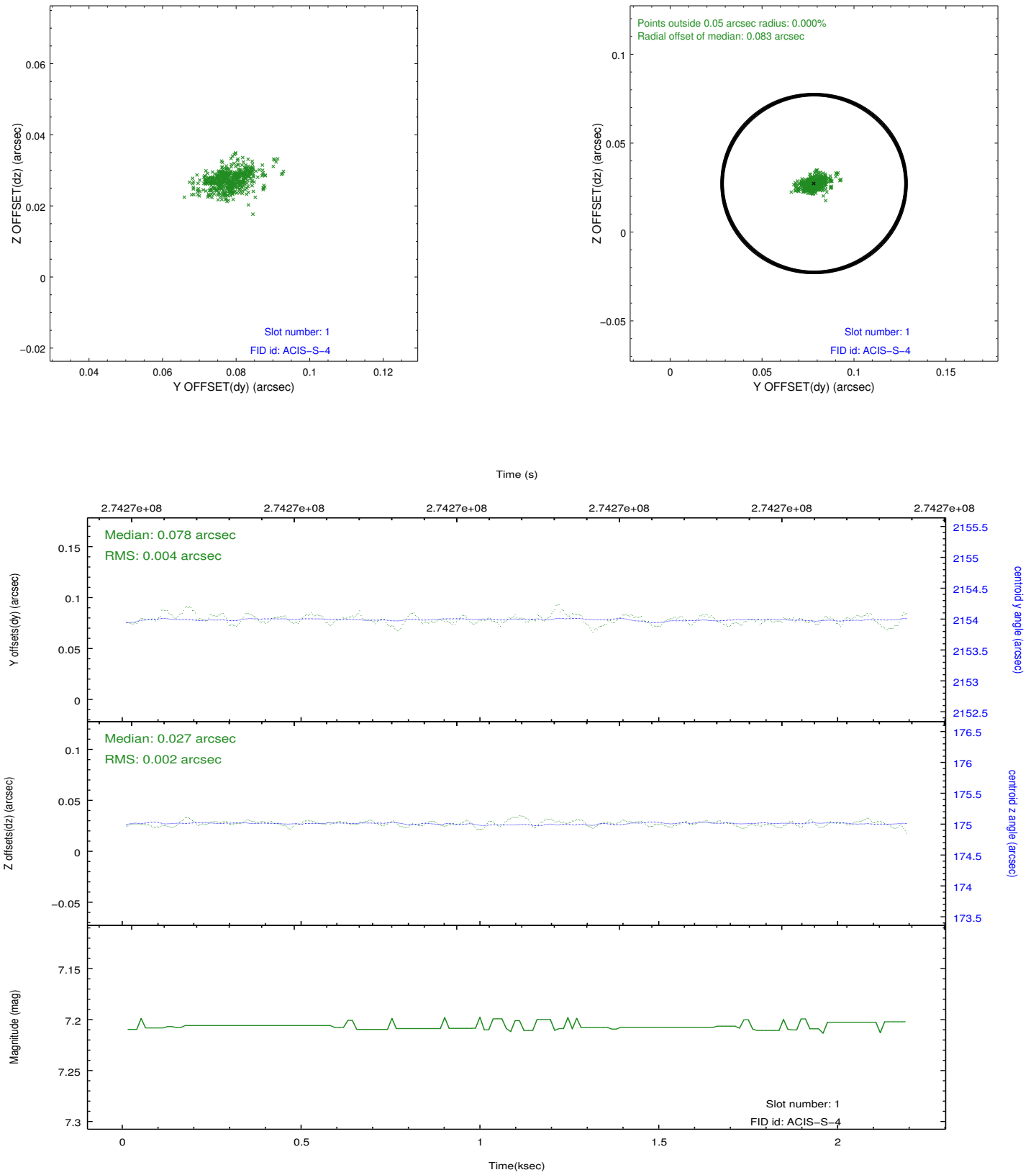


2.5 FID Slots

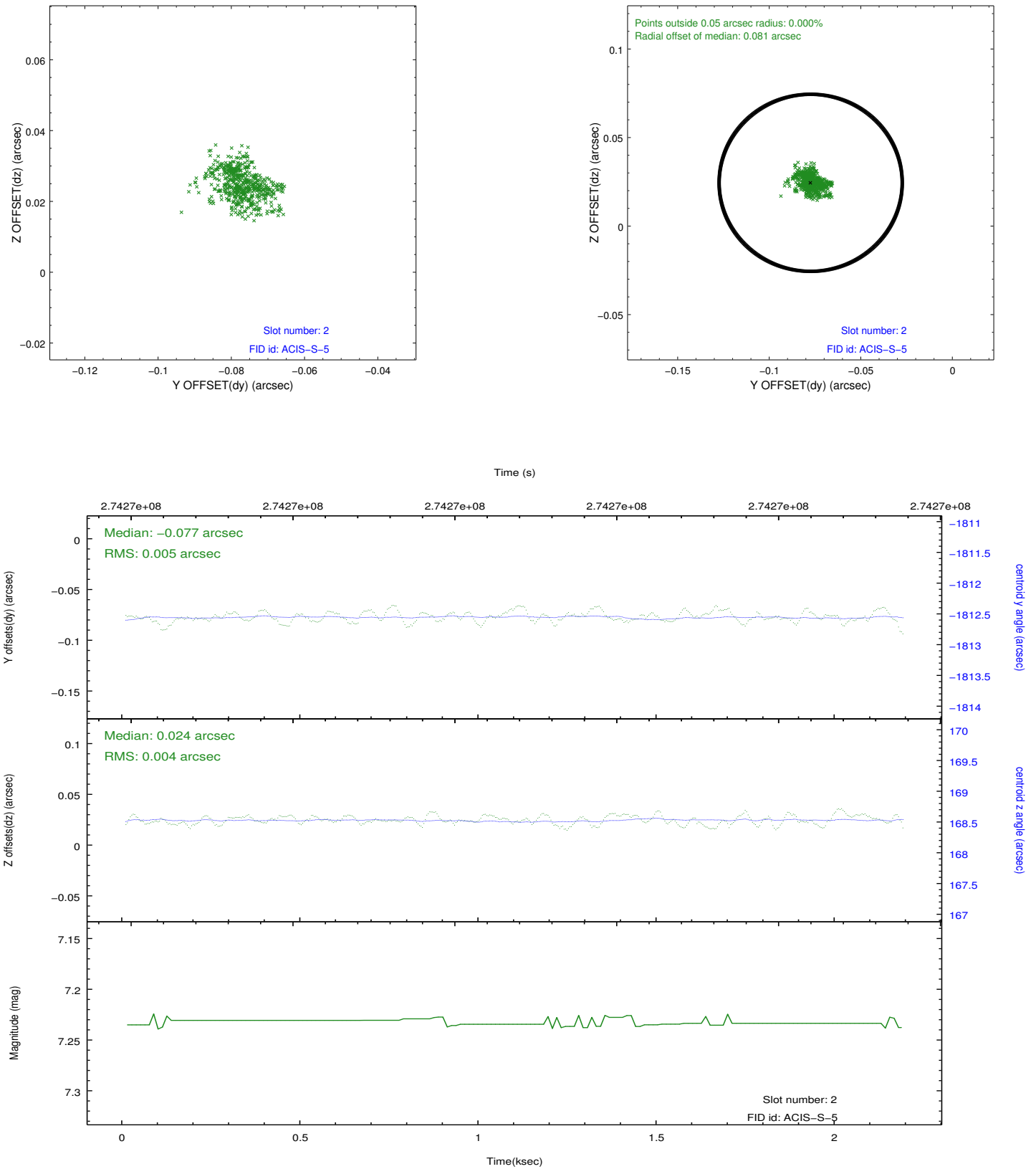
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.75679999

A.2 Comments