

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1632 - L2 Version 3
Chandra X-Ray Center

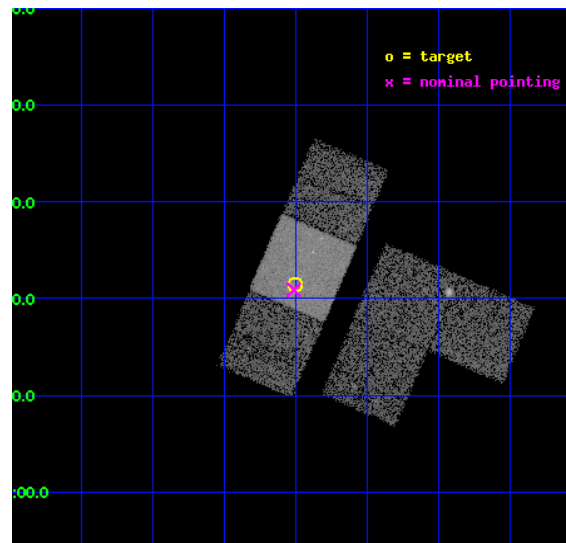
L2 Processing Date : Sep 28 2012

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1 Front

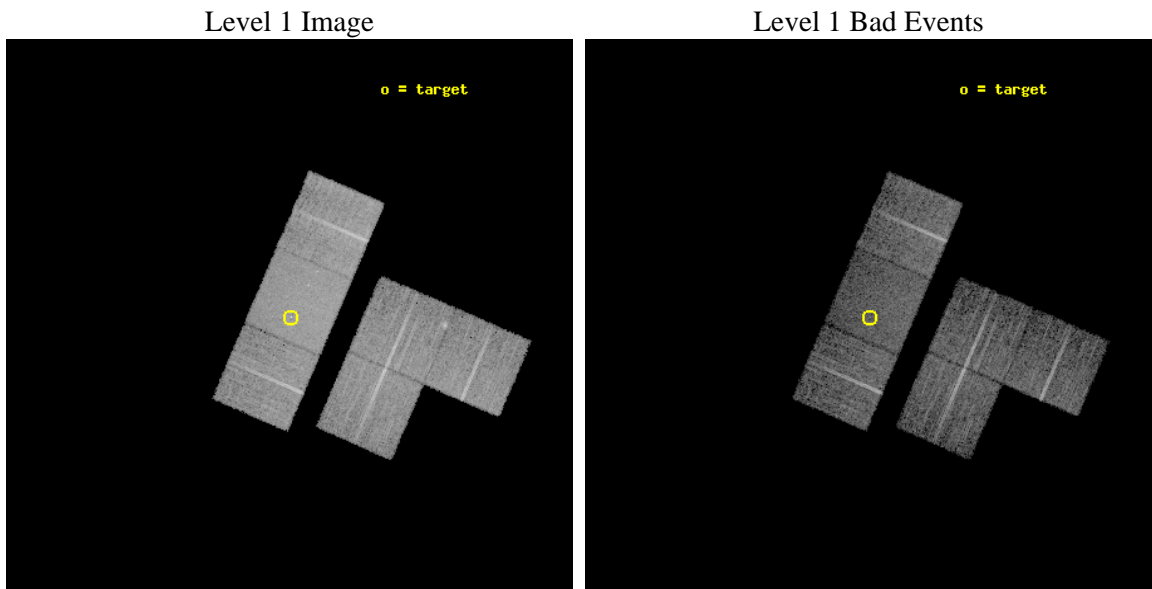
seq_num	700248	Sequence number
obs_id	1632	Observation id
title	FOLLOW - UP ON CHANDRA SURVEY OF GRAVITATIONAL LENSES FOR TIME-DELAY MEASUREMENTS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	2237+0305	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.126417	Observer's specified target RA [deg]
dec_targ	3.358	Observer's specified target Dec [deg]
ra_nom	340.12861315816	Nominal RA [deg]
dec_nom	3.3485433601011	Nominal Dec [deg]
roll_nom	293.30253620823	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9657.6000089794	Sum of GTIs [s]
livetime	9535.3096625572	Livetime [s]
ontime1	9654.359068647	Sum of GTIs [s]
ontime2	9654.3590487391	Sum of GTIs [s]
ontime3	9657.6000089794	Sum of GTIs [s]
ontime6	9657.6000089794	Sum of GTIs [s]
ontime7	9657.6000089794	Sum of GTIs [s]
ontime8	9654.3590487391	Sum of GTIs [s]
l2events	64474	Number of level 2 events



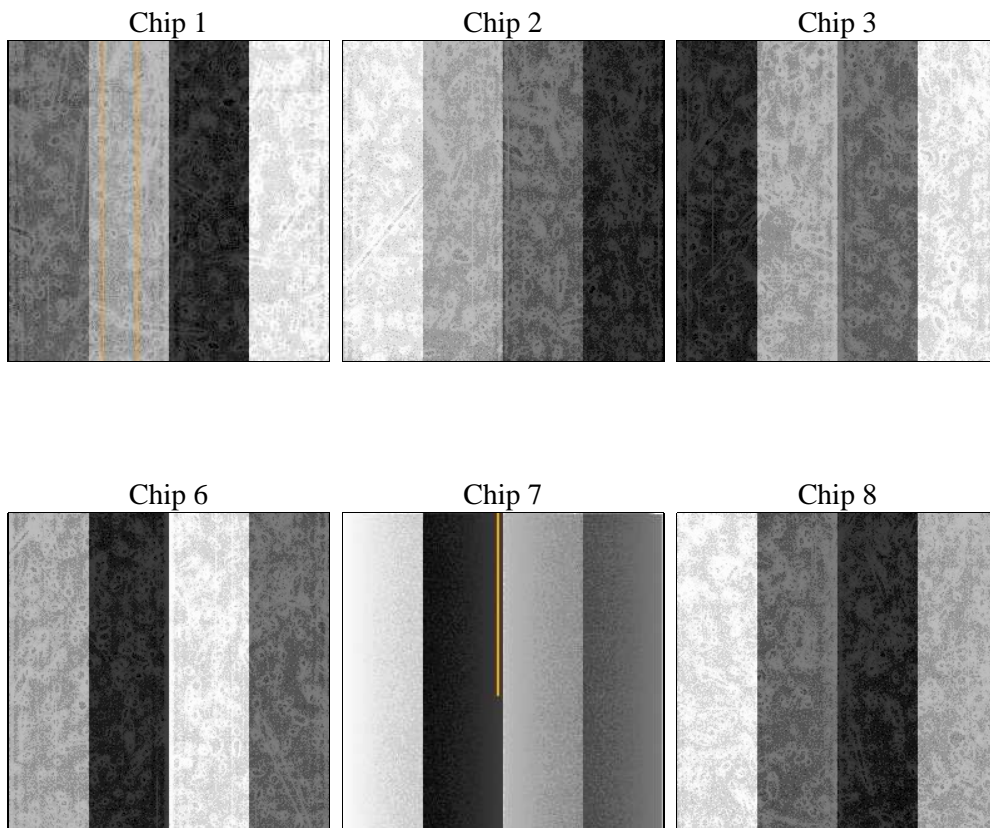
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	4	Obi number	sched_exp_time	9700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9657.6000089794	Sum of GTIs [s]
caldsver	4.5.2	 	ontime1	9654.359068647	Sum of GTIs [s]
date	2012-09-28T22:16:33	Date and time of file creation	ontime2	9654.3590487391	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	9657.6000089794	Sum of GTIs [s]
			ontime6	9657.6000089794	Sum of GTIs [s]
			ontime7	9657.6000089794	Sum of GTIs [s]
			ontime8	9654.3590487391	Sum of GTIs [s]
			l1events	393295	Number of level 1 events

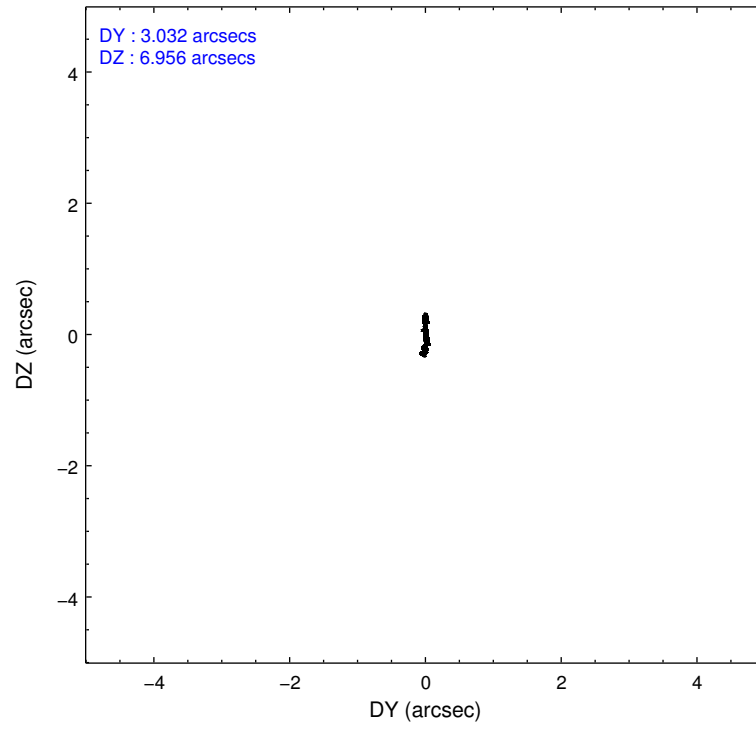
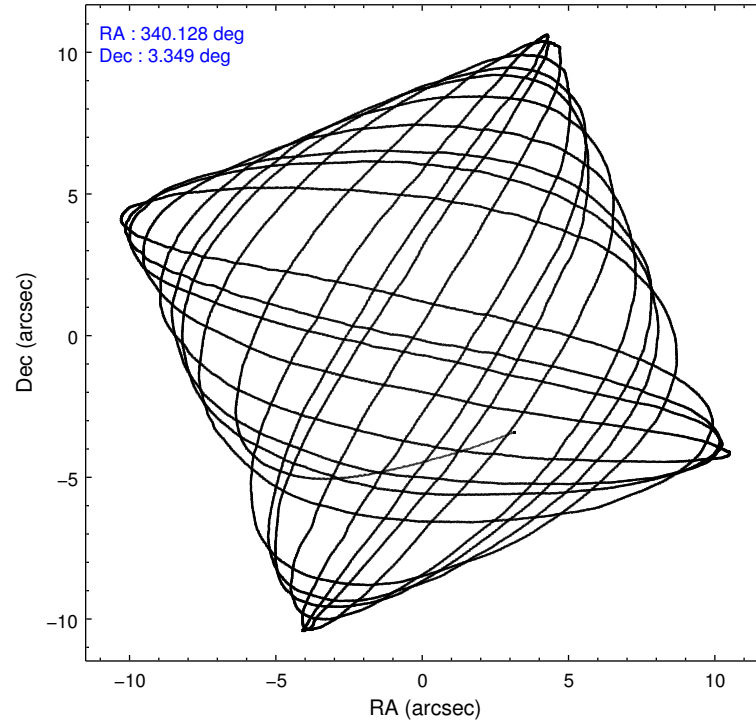
2.1.4 Events

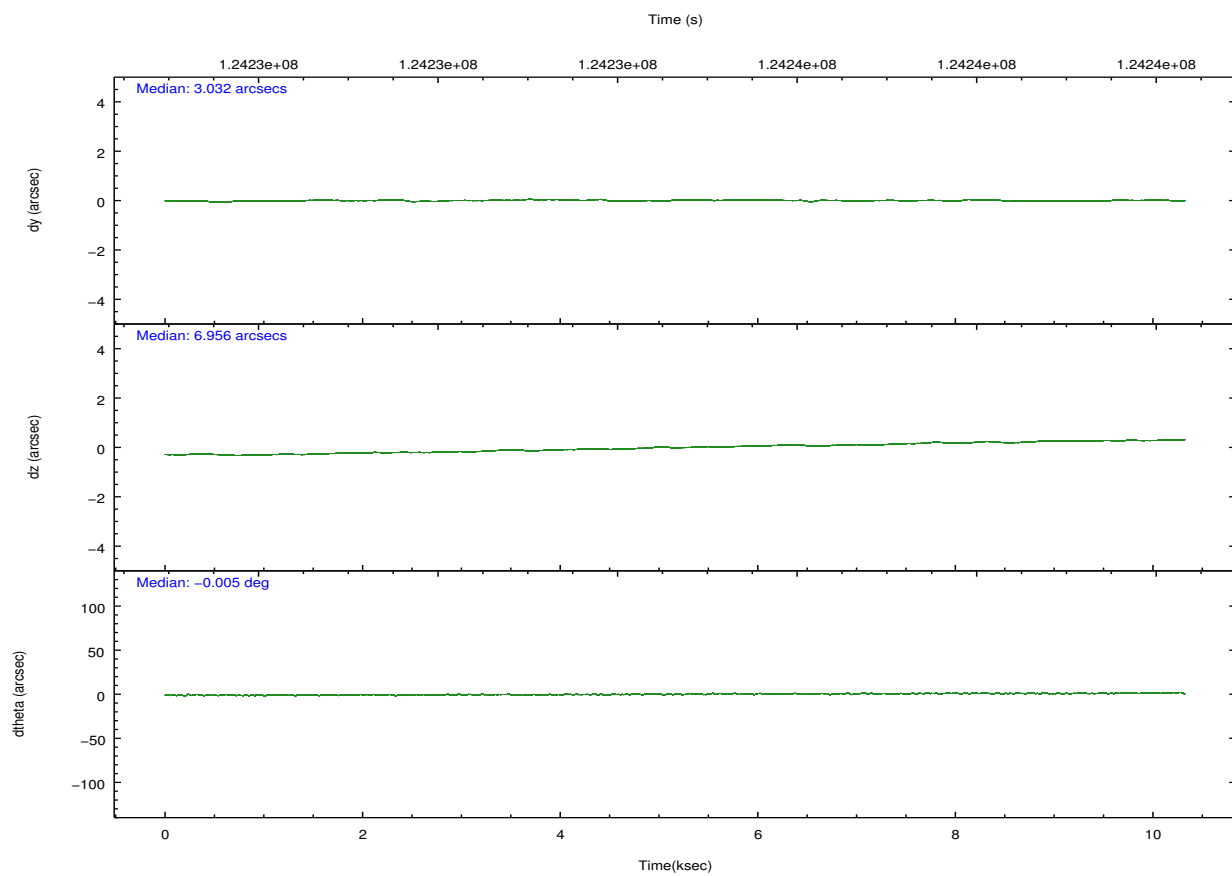
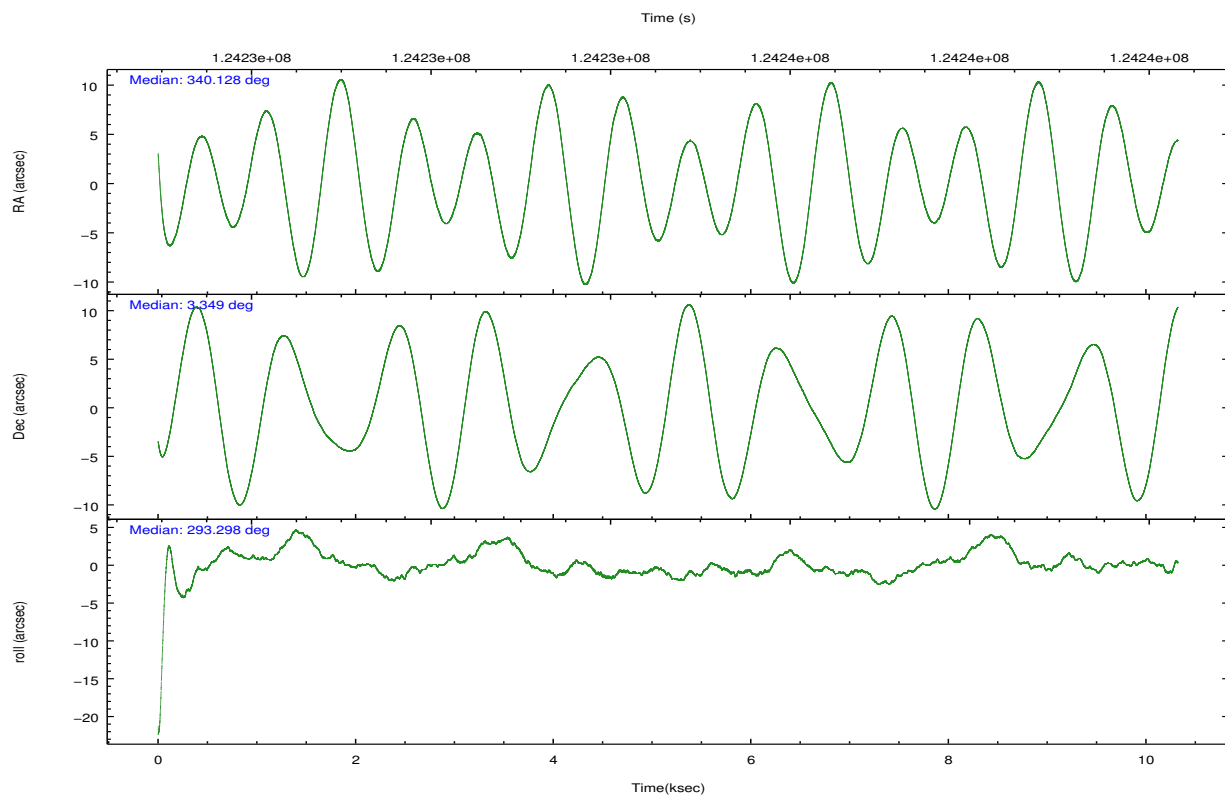
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	57223	58863	58444	61064	79466	78235	grade 0 events	2908	2829	3483	2874	3408	4878
rejected events	49876	52110	50985	54043	45463	62287		5%	4%	5%	4%	4%	6%
rejected %	87%	88%	87%	88%	57%	79%	grade 1 events	30	20	30	31	59	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	1517	1400	1425	1421	6849	3590
								2%	2%	2%	2%	8%	4%
							grade 3 events	777	654	638	708	3025	1659
								1%	1%	1%	1%	3%	2%
							grade 4 events	750	689	644	645	3012	1428
								1%	1%	1%	1%	3%	1%
							grade 5 events	2478	2046	2425	2615	7560	3357
								4%	3%	4%	4%	9%	4%
							grade 6 events	1402	1191	1275	1380	17752	4406
								2%	2%	2%	2%	22%	5%
							grade 7 events	47361	50034	48524	51390	37801	58877
								82%	85%	83%	84%	47%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	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	340.106543	340.128613158155	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.364557	3.348543360101078	Alternating exposures requested	N	N
[deg] Pointing Roll	293.147236	293.3025362082349	[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)	124230104.184000	124228921.51912			
Observation start date	2001-12-08T20:20:40	2001-12-08T20:02:01			
[s] Observation end time (MET)	124239804.184000	124240677.75709			
Observation end date	2001-12-08T23:02:20	2001-12-08T23:17:57			
Read mode	TIMED	TIMED			

2.3 Aspect



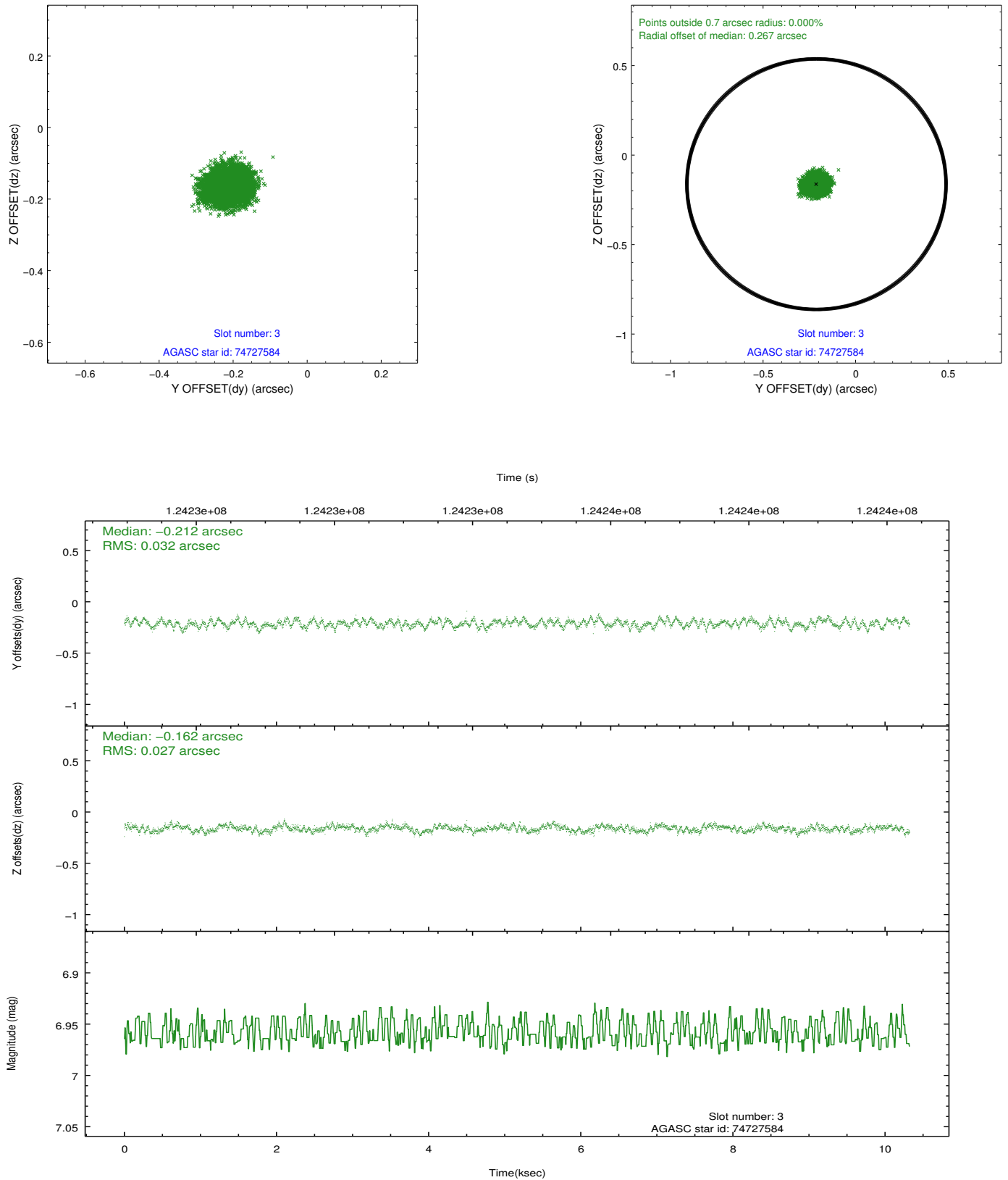


Slot Statistics

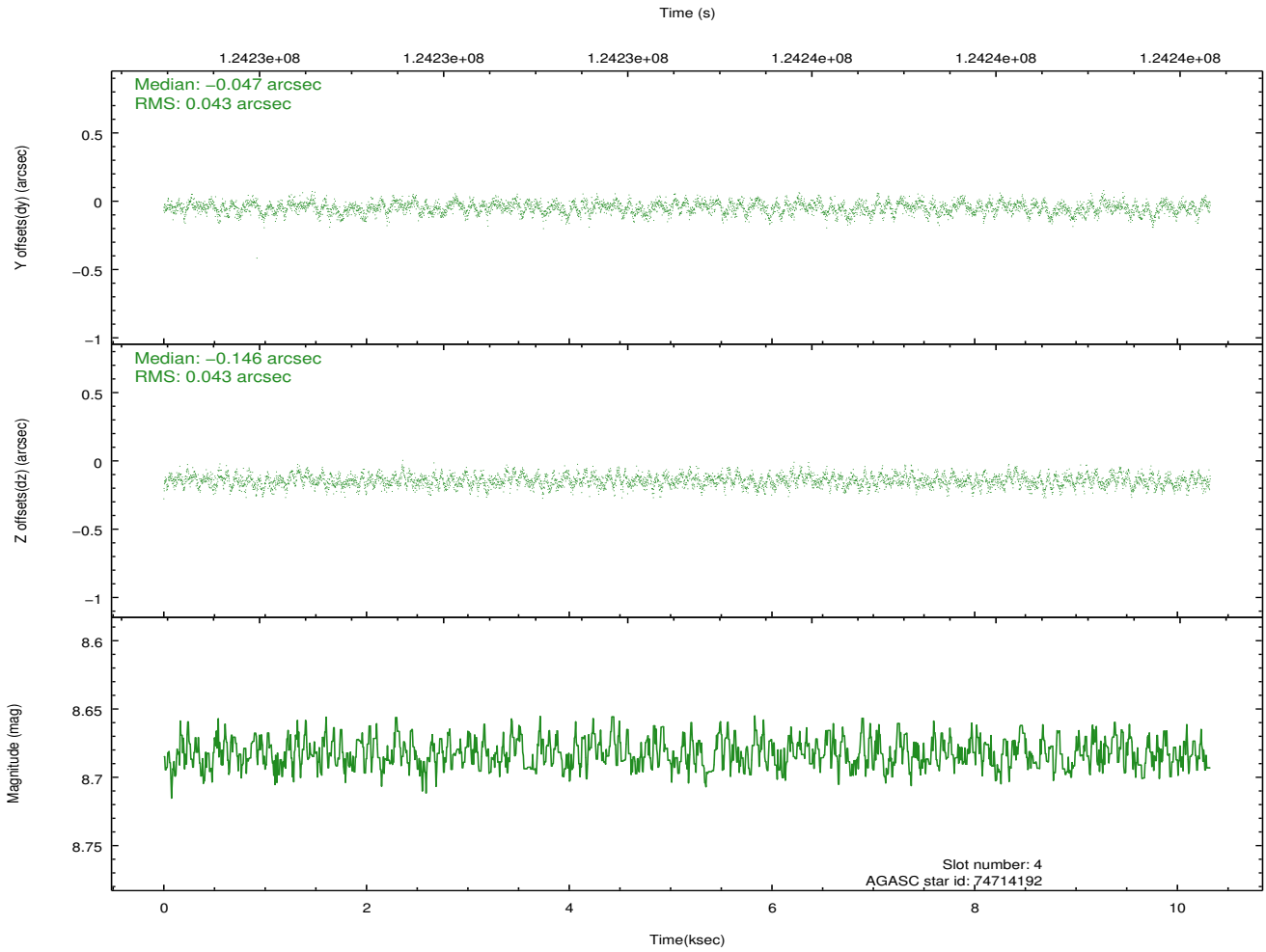
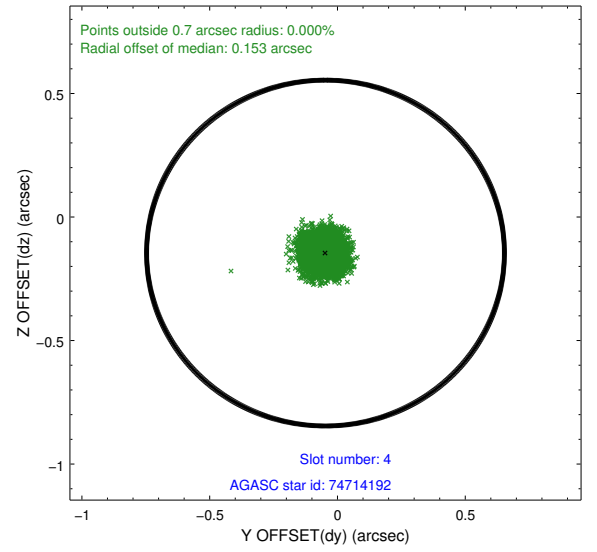
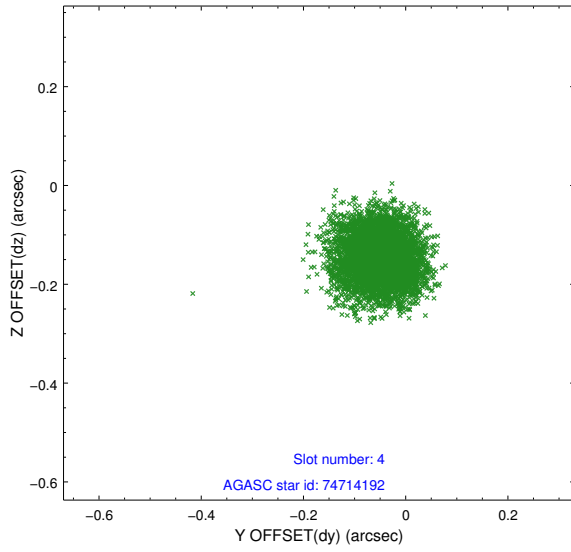
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2518	-0.012	0.011	0.008	0.012	0.000000	0.000000	-755.67	-1728.05
1	FID	ACIS-S-4	7.20	2516	-0.028	0.003	0.006	0.012	0.000000	0.000000	2157.34	179.92
2	FID	ACIS-S-5	7.24	2517	0.009	-0.005	0.008	0.012	0.000000	0.000000	-1807.85	174.13
3	GUIDE	74727584	6.96	5035	-0.212	-0.162	0.046	0.071	339.633744	3.463732	-995.58	-1421.56
4	GUIDE	74714192	8.68	5035	-0.047	-0.146	0.065	0.103	339.623837	3.342441	-608.19	-1626.36
5	GUIDE	74842752	9.47	5033	0.109	0.151	0.091	0.145	340.751816	3.211667	1418.03	1916.93
6	GUIDE	74853960	9.39	5034	-0.092	0.046	0.092	0.145	340.530042	3.956053	-1359.32	2236.46
7	GUIDE	74848432	9.36	5032	0.243	0.112	0.089	0.143	340.632832	2.902265	2274.60	1087.04

2.4 Star Slots

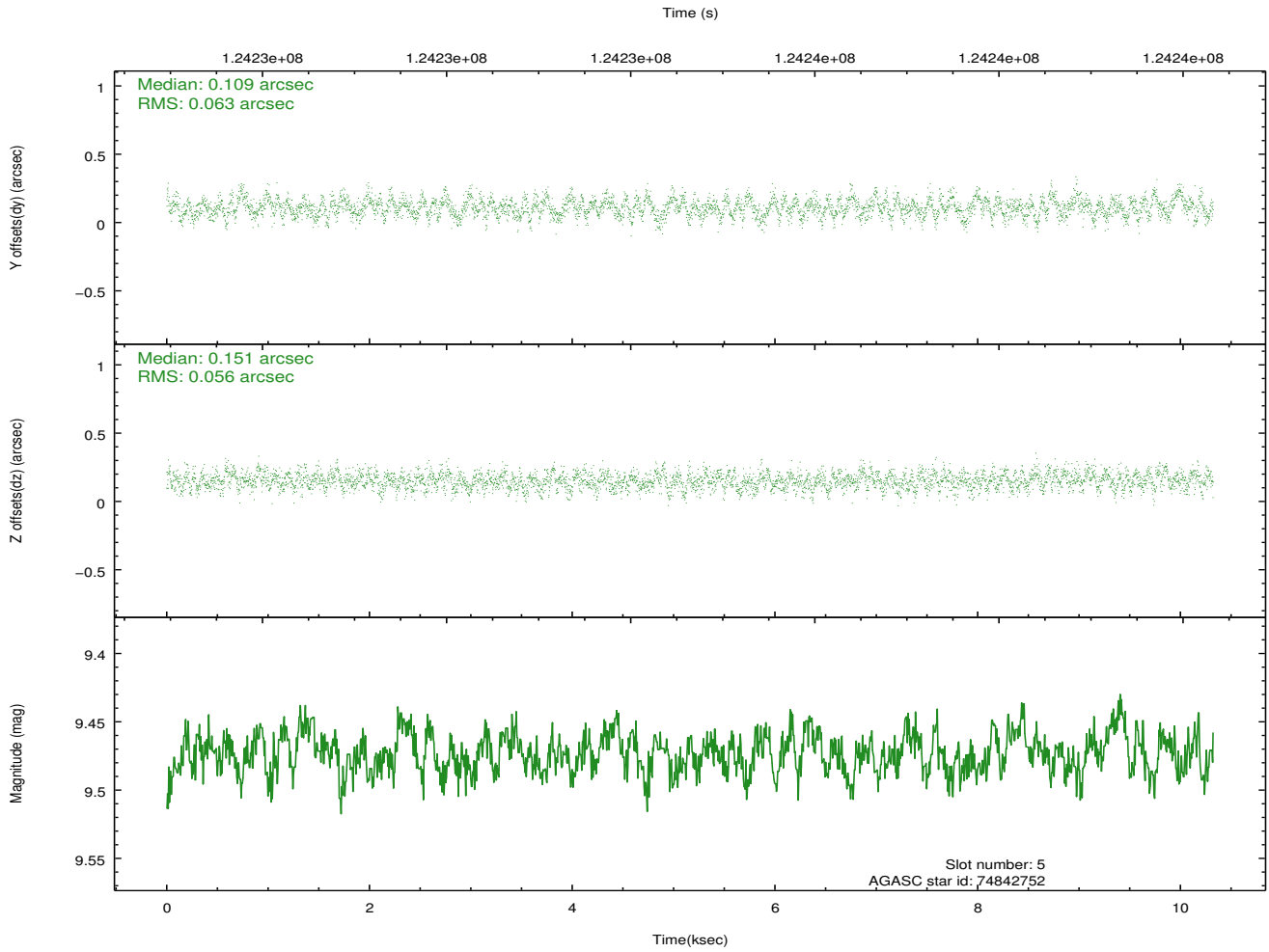
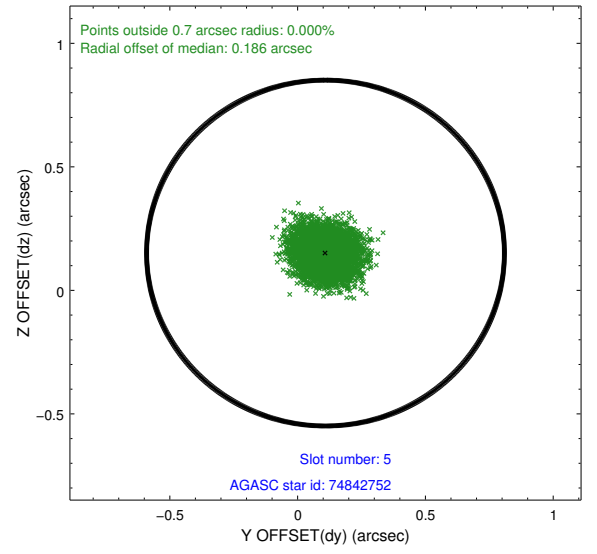
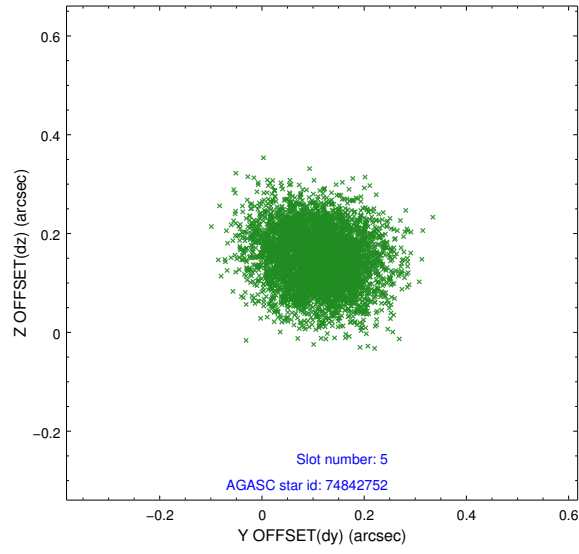
2.4.1 Slot 3



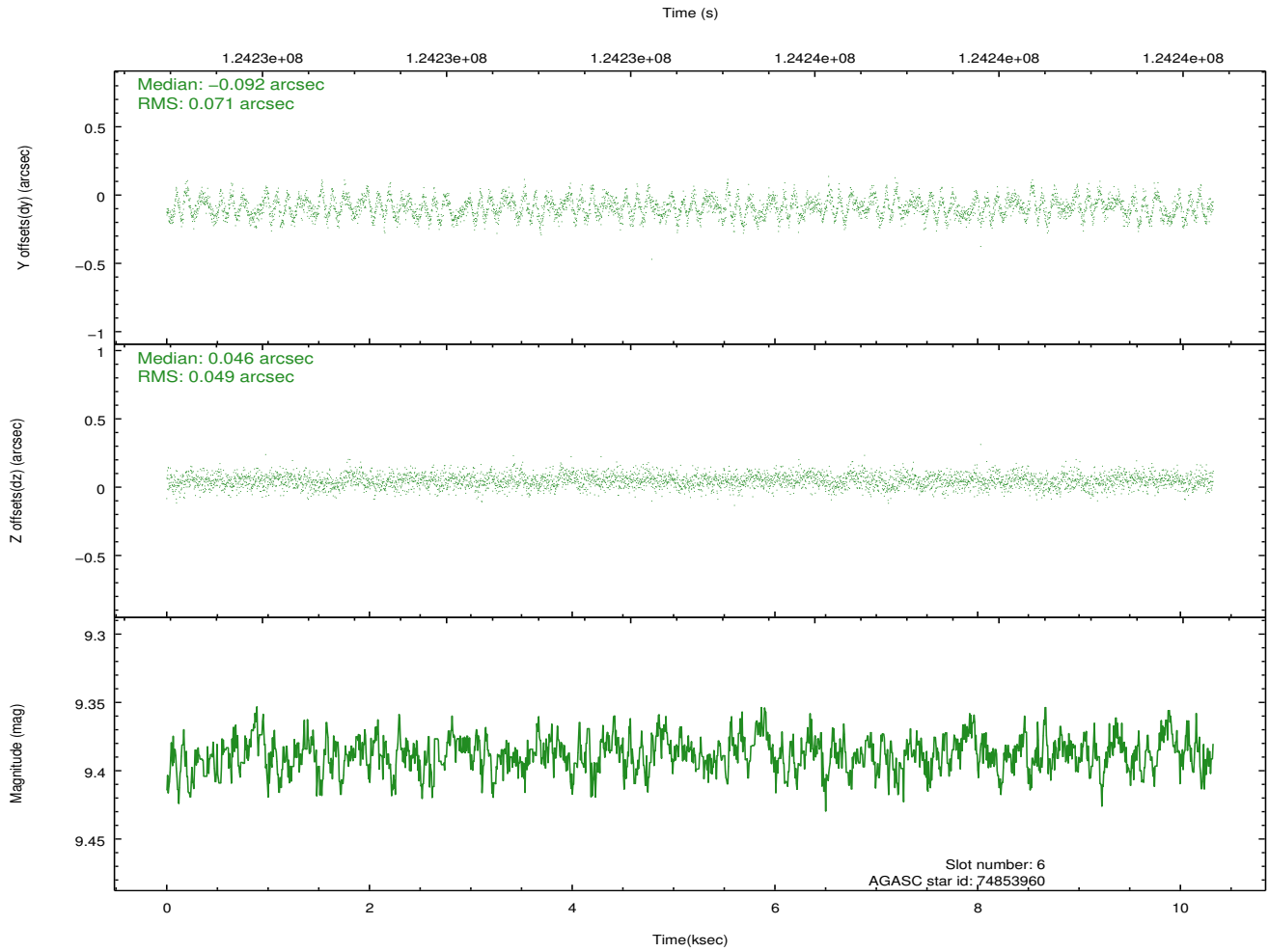
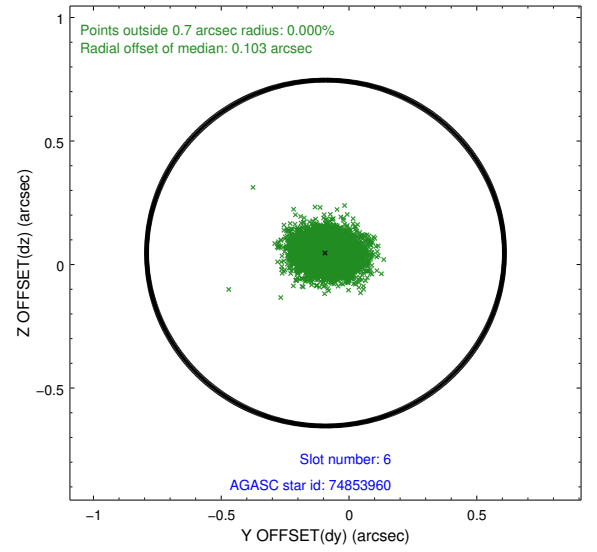
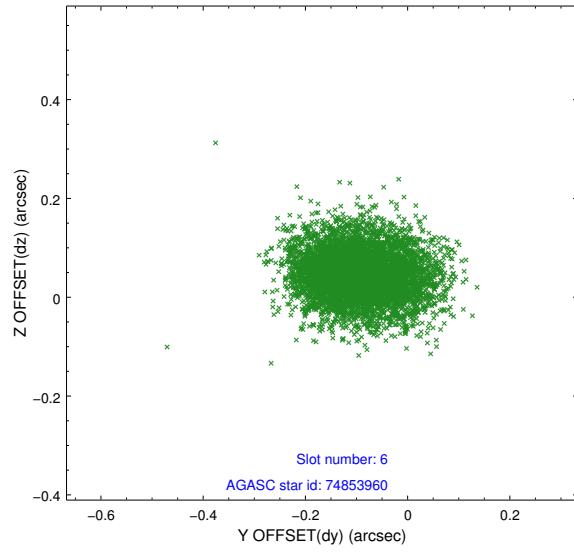
2.4.2 Slot 4



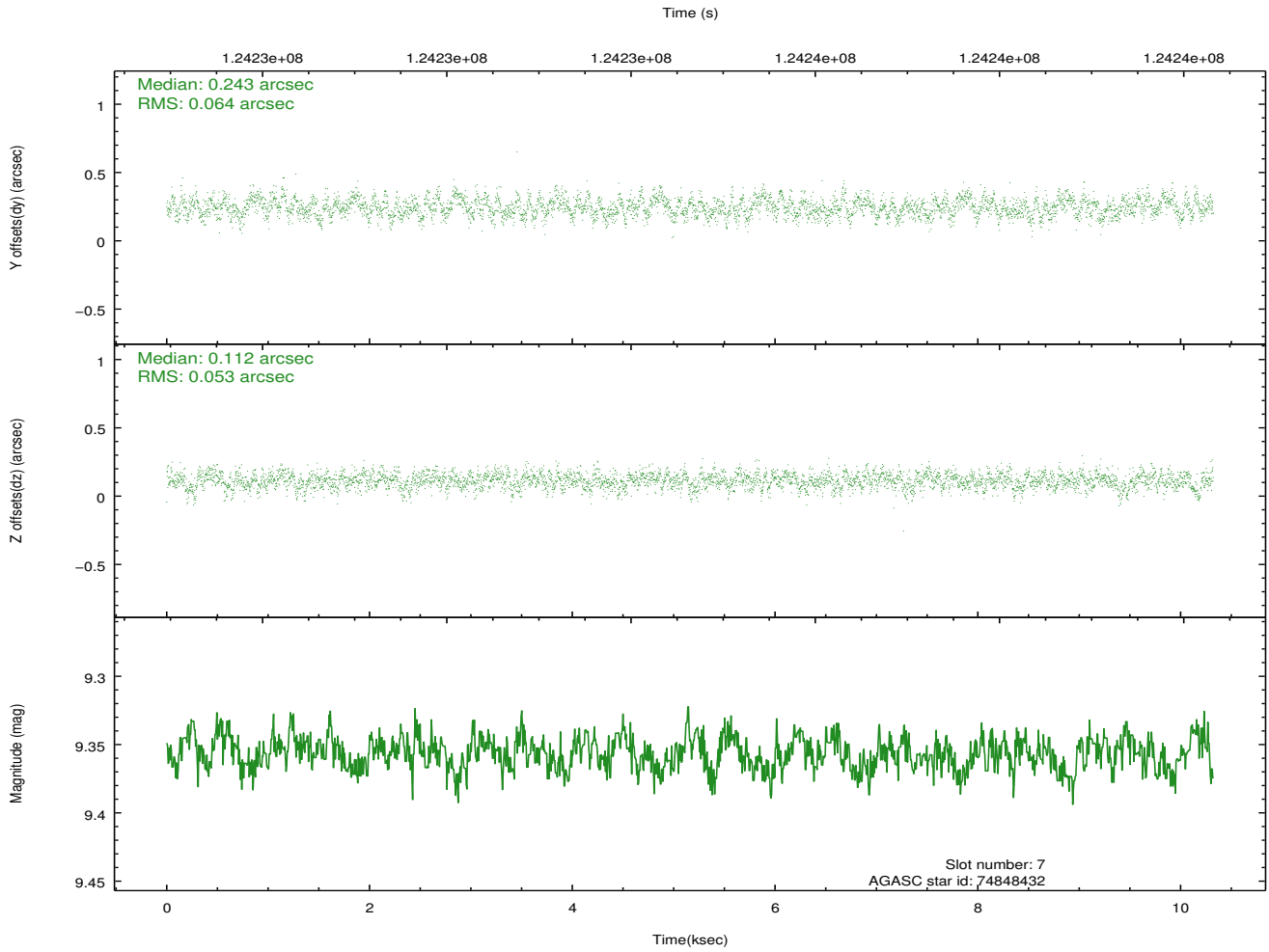
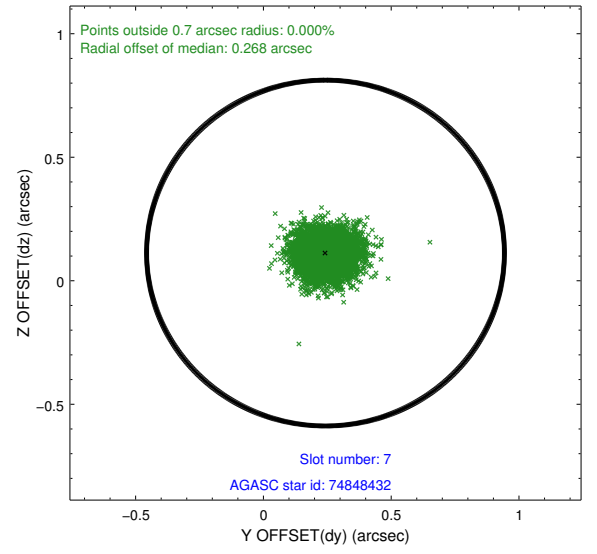
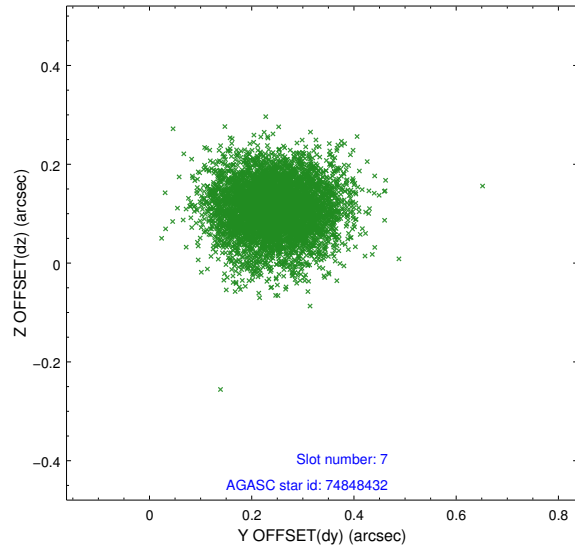
2.4.3 Slot 5



2.4.4 Slot 6

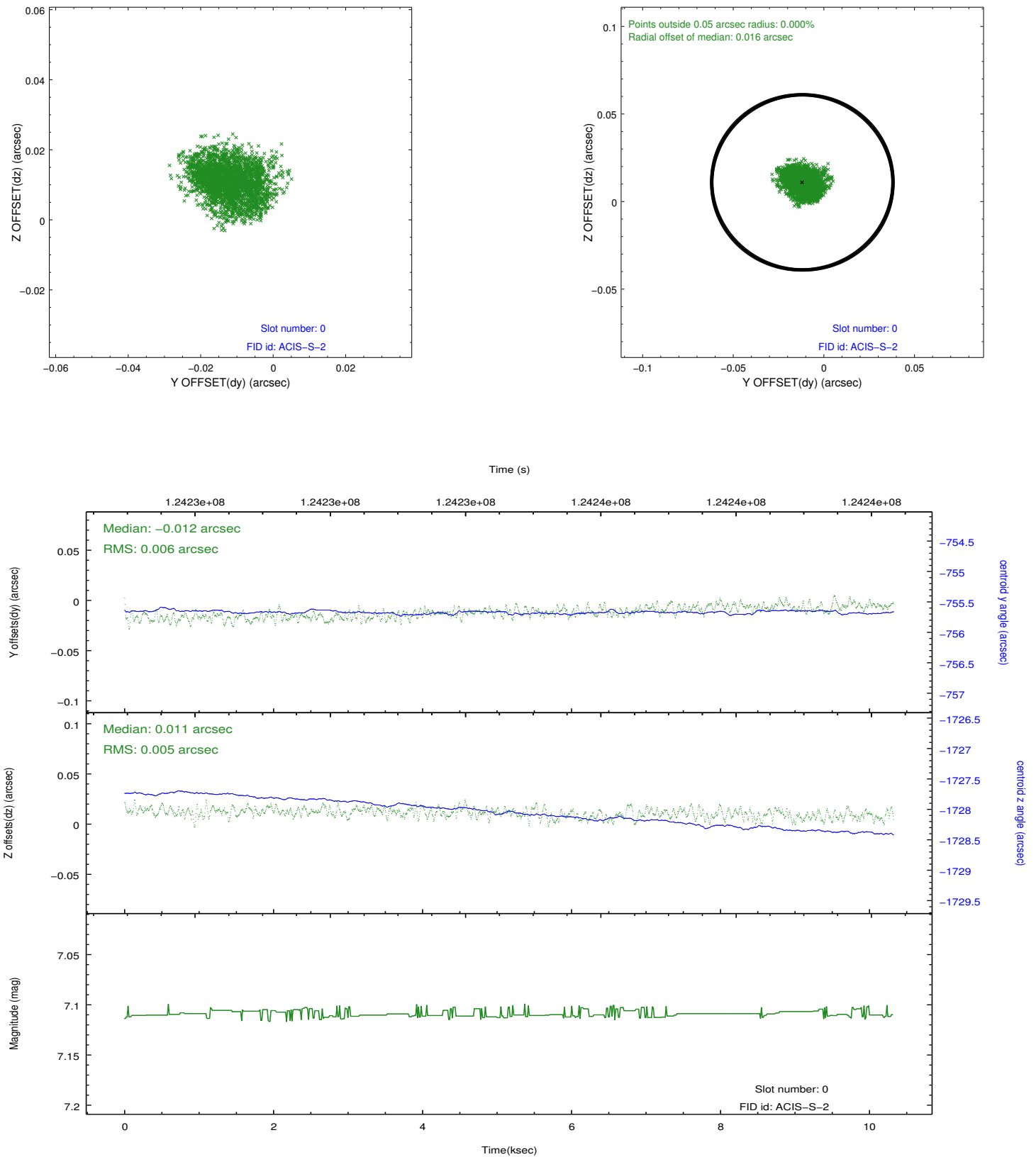


2.4.5 Slot 7

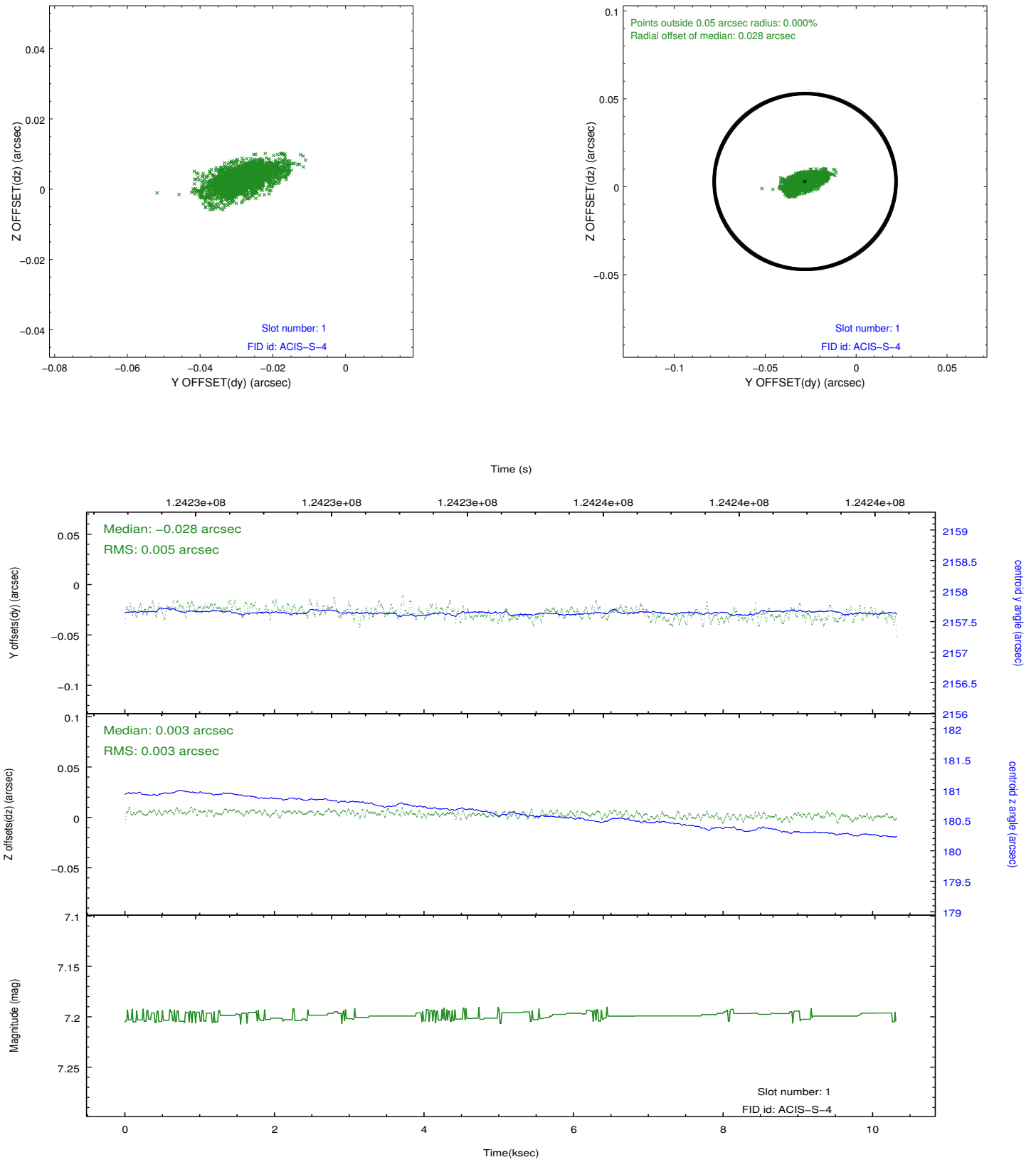


2.5 FID Slots

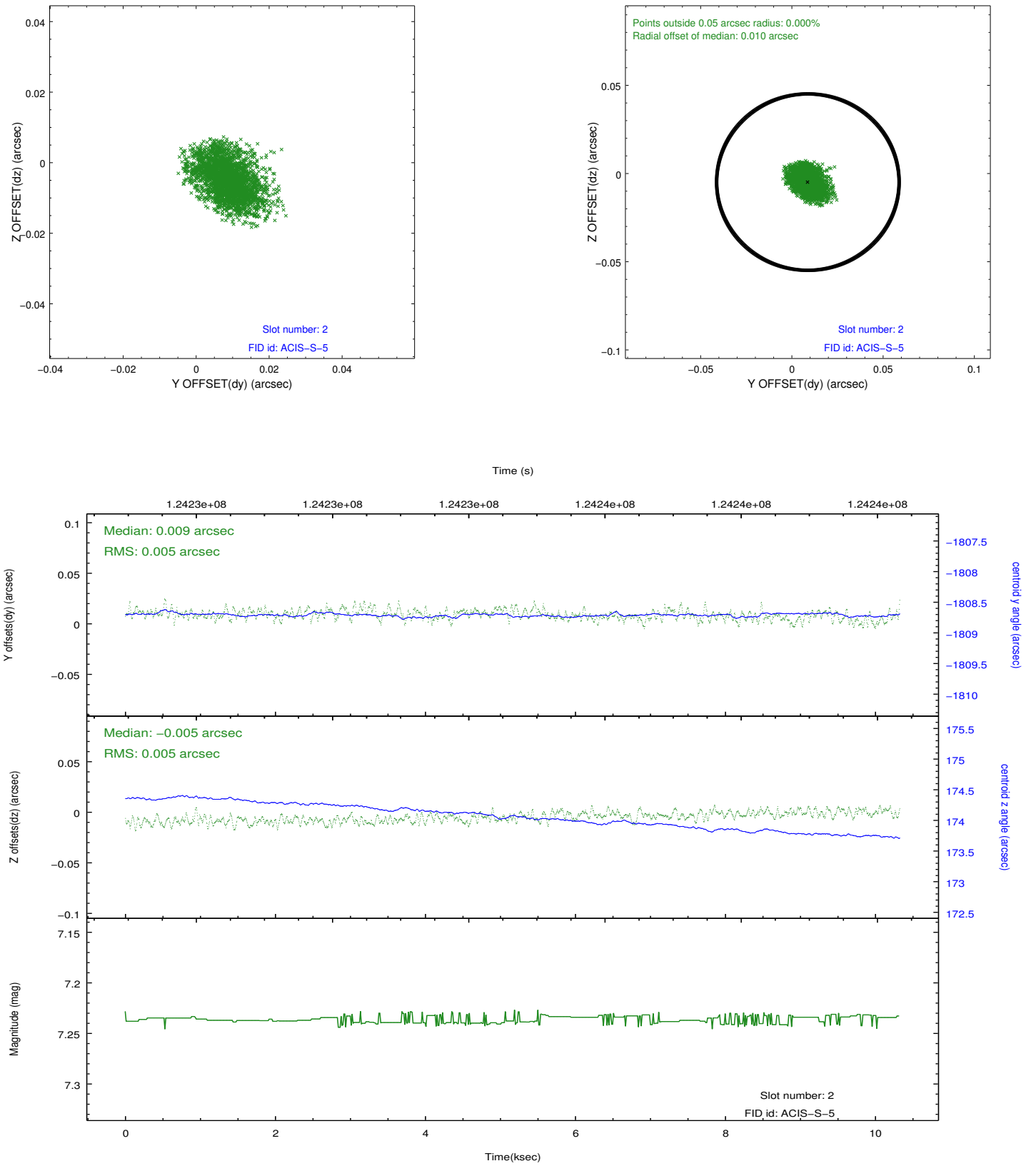
2.5.1 Slot 0



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)	2012.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.66

A.2 Comments