

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 524 - L2 Version 3
Chandra X-Ray Center

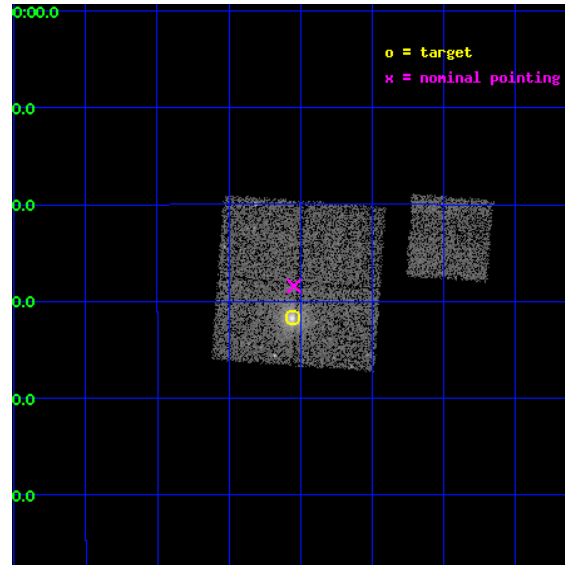
L2 Processing Date : Sep 1 2012

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1 Front

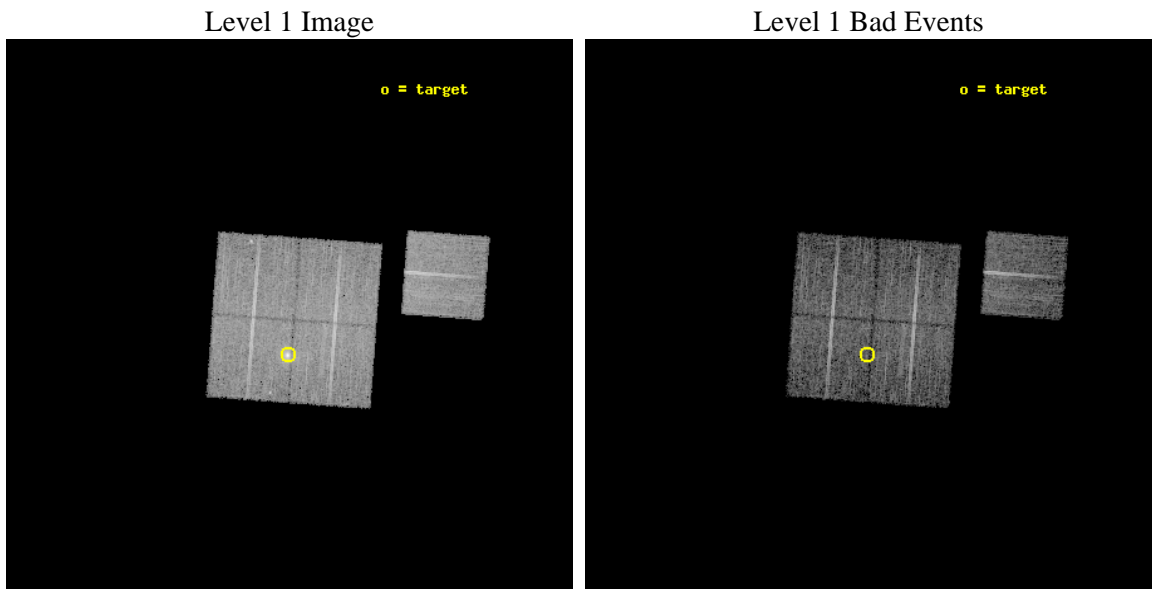
seq_num	800032	Sequence number
obs_id	524	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	A383	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	42.01325	Observer's specified target RA [deg]
dec_targ	-3.527847	Observer's specified target Dec [deg]
ra_nom	42.011268030998	Nominal RA [deg]
dec_nom	-3.4733839073768	Nominal Dec [deg]
roll_nom	94.257555669775	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10089.600009382	Sum of GTIs [s]
livetime	9961.8394188352	Livetime [s]
ontime0	10089.600009382	Sum of GTIs [s]
ontime1	10089.600009382	Sum of GTIs [s]
ontime2	10086.359019205	Sum of GTIs [s]
ontime3	10089.600009382	Sum of GTIs [s]
ontime6	10089.600009382	Sum of GTIs [s]
l2events	36823	Number of level 2 events



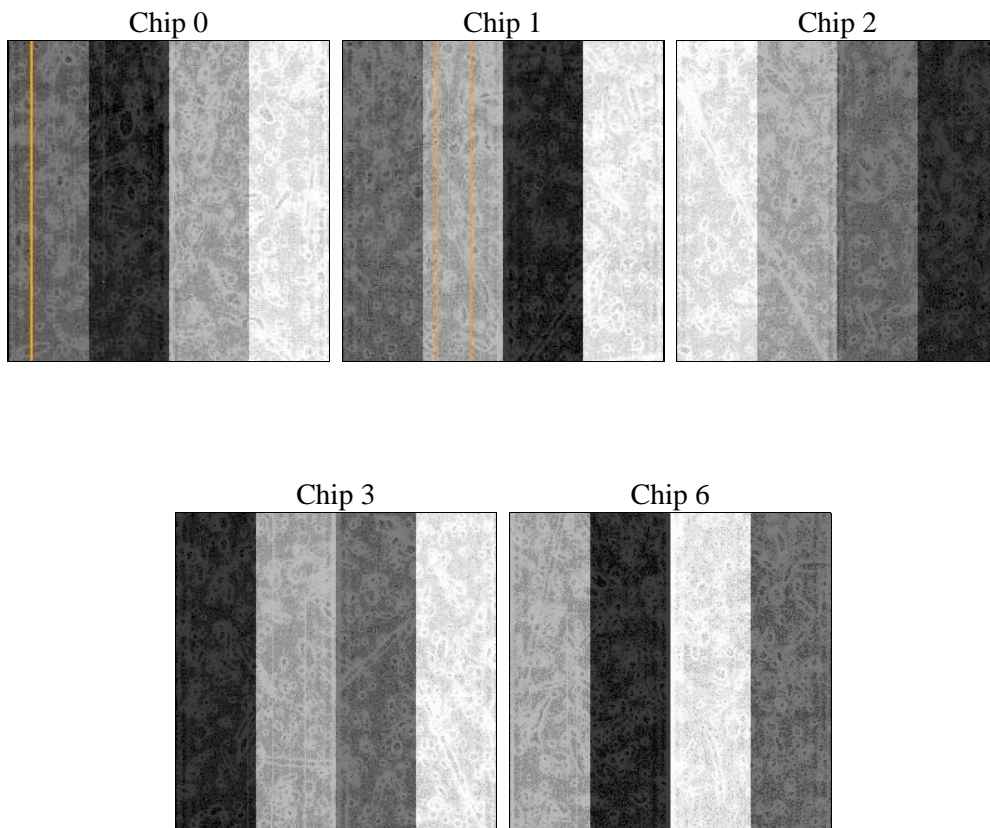
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10089.600009382	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	10089.600009382	Sum of GTIs [s]
date	2012-09-01T15:42:54	Date and time of file creation	ontime1	10089.600009382	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	10086.359019205	Sum of GTIs [s]
			ontime3	10089.600009382	Sum of GTIs [s]
			ontime6	10089.600009382	Sum of GTIs [s]
			l1events	298225	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	57001	61696	59544	59384	60600
rejected events	49446	47940	52892	51462	54080
rejected %	86%	77%	88%	86%	89%

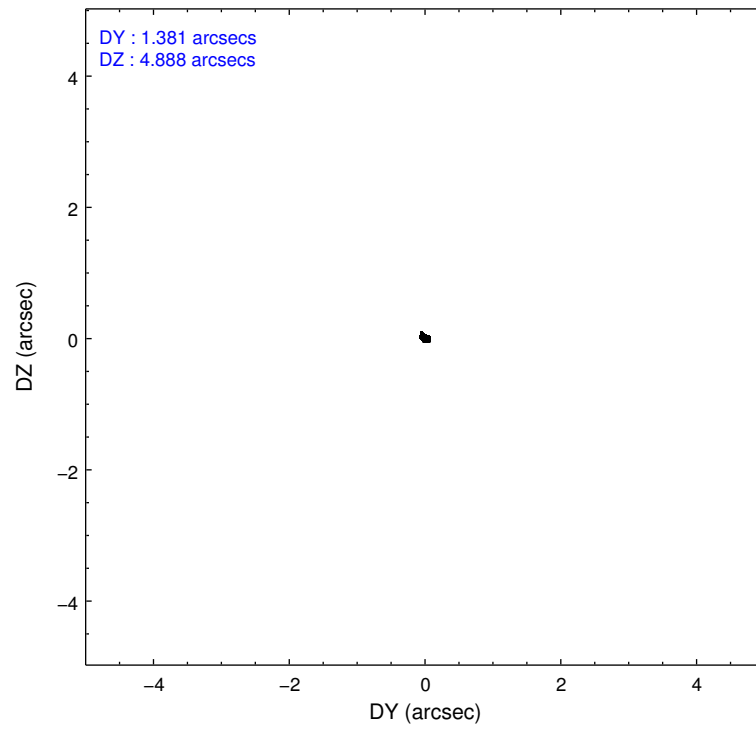
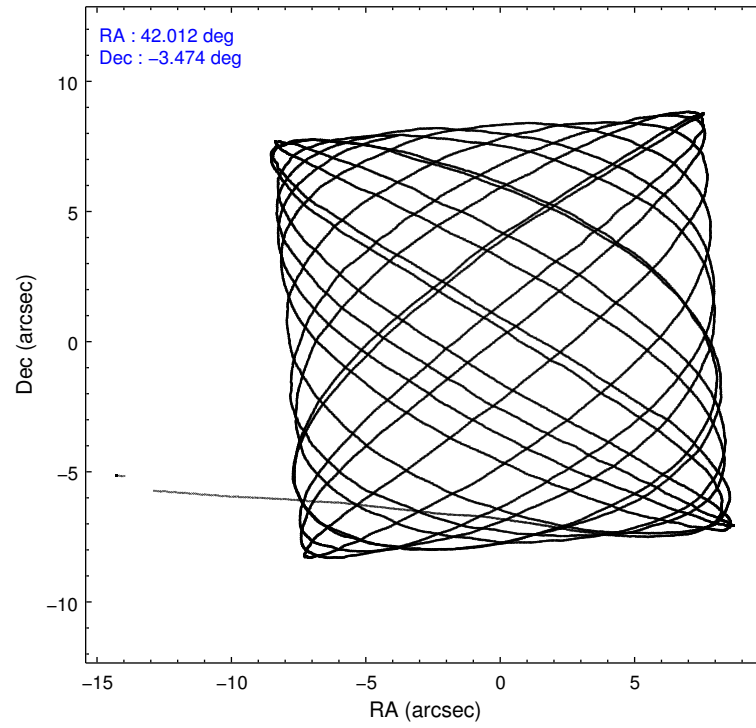
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3444	8400	2934	4092	2555
	6%	13%	4%	6%	4%
grade 1 events	41	51	21	33	16
	0%	0%	0%	0%	0%
grade 2 events	1512	1995	1386	1415	1325
	2%	3%	2%	2%	2%
grade 3 events	671	952	668	624	681
	1%	1%	1%	1%	1%
grade 4 events	647	909	631	626	658
	1%	1%	1%	1%	1%
grade 5 events	2031	2221	1912	2116	2419
	3%	3%	3%	3%	3%
grade 6 events	1284	1504	1038	1168	1305
	2%	2%	1%	1%	2%
grade 7 events	47371	45664	50954	49310	51641
	83%	74%	85%	83%	85%

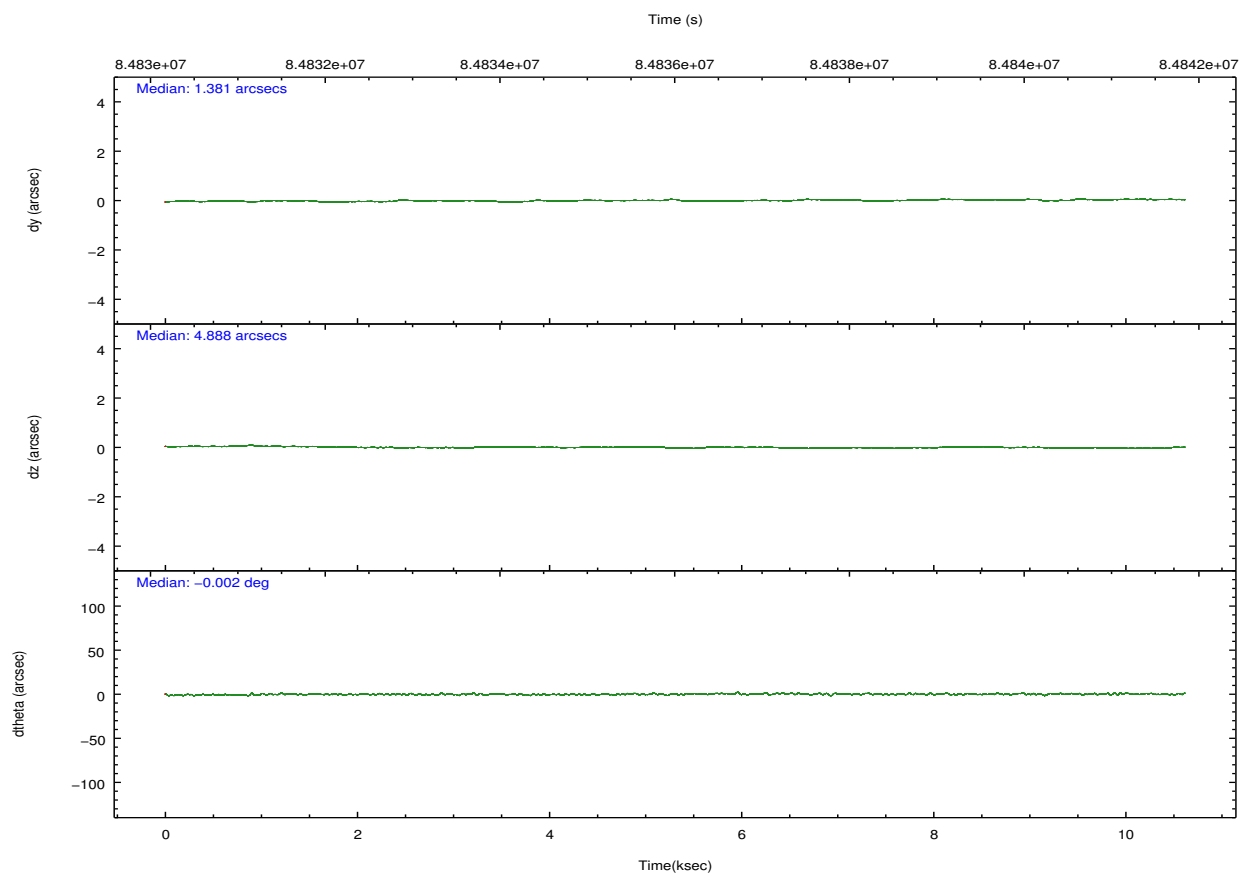
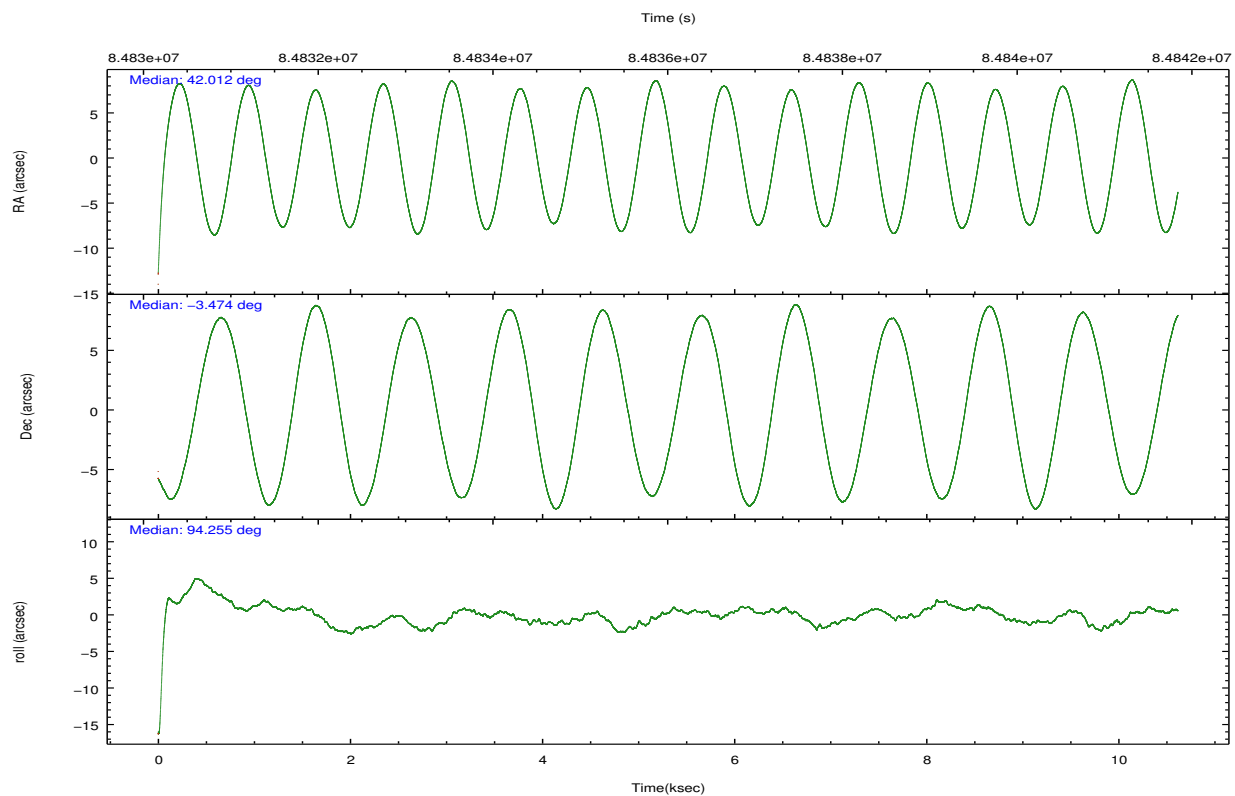
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	42.026741	42.01126803099847
[deg] Pointing Dec	-3.496154	-3.473383907376753
[deg] Pointing Roll	94.049836	94.25755566977523
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-236.532463	-236.5241547330508
[mm] SIM translation stage offset	2.94	2.931701730121091
[s] Observation start time (MET)	84831312.184000	84830142.189503
Observation start date	2000-09-08T20:14:08	2000-09-08T19:55:42
[s] Observation end time (MET)	84841312.184000	84841755.952439
Observation end date	2000-09-08T23:00:48	2000-09-08T23:09:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



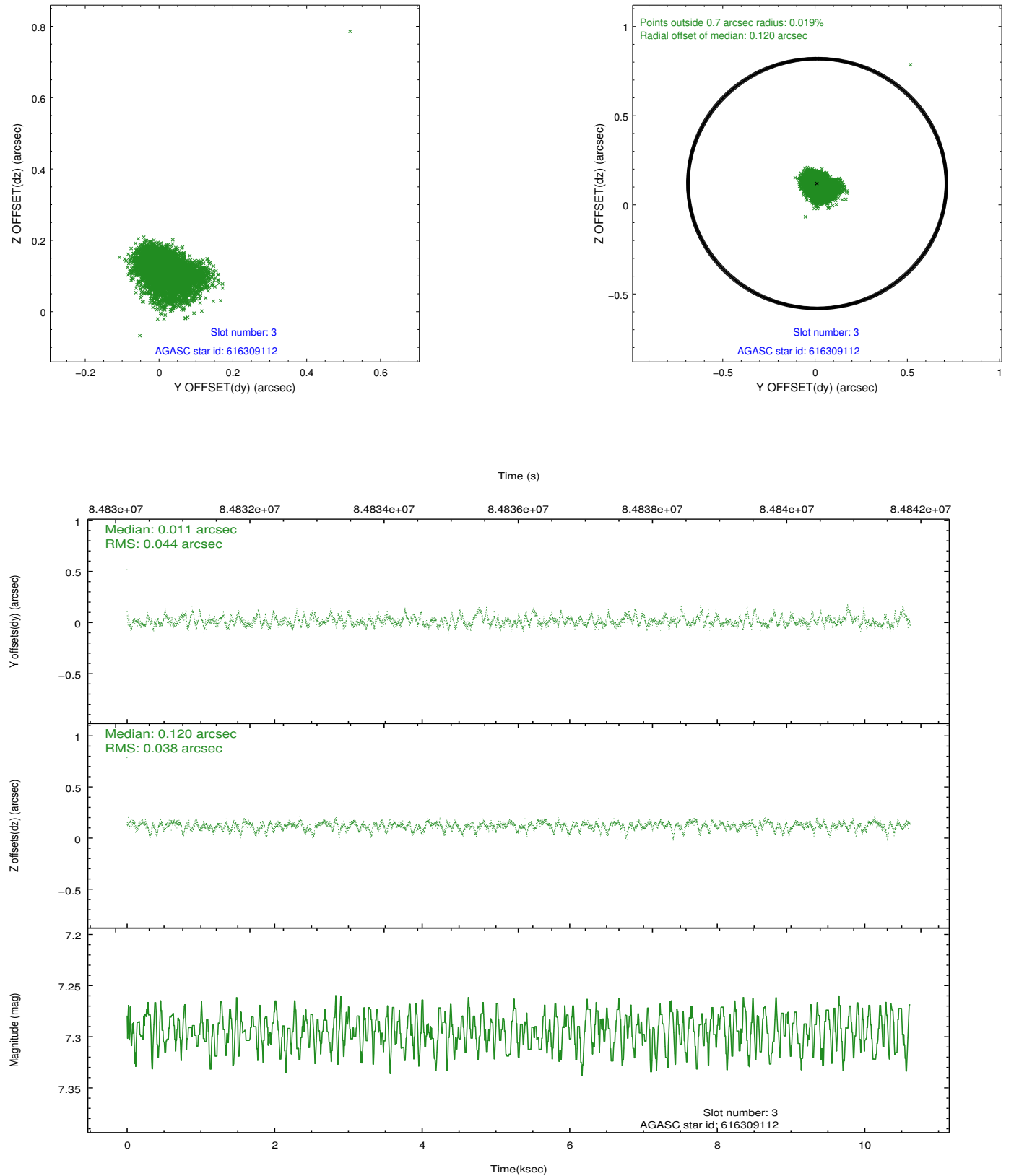


Slot Statistics

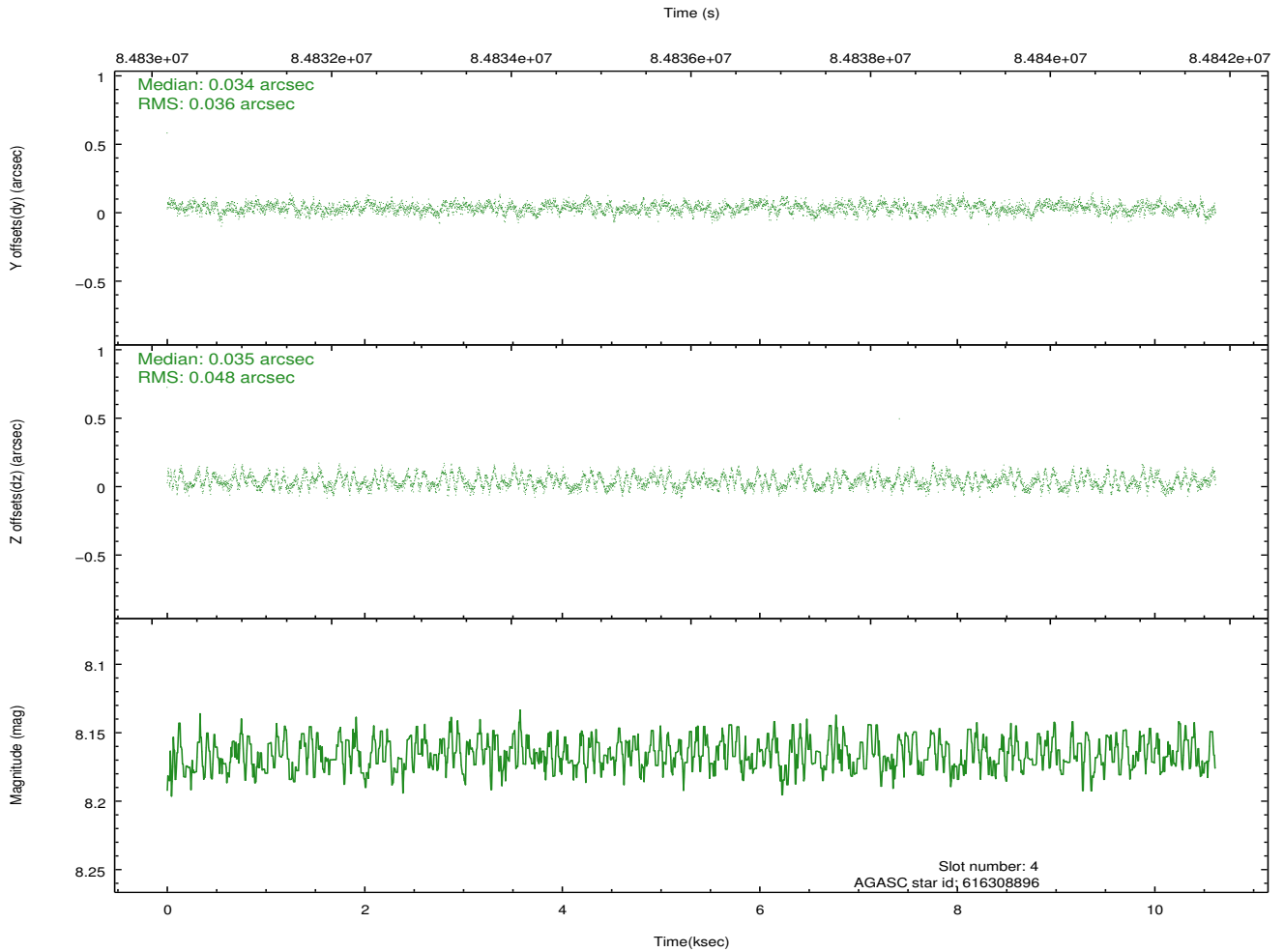
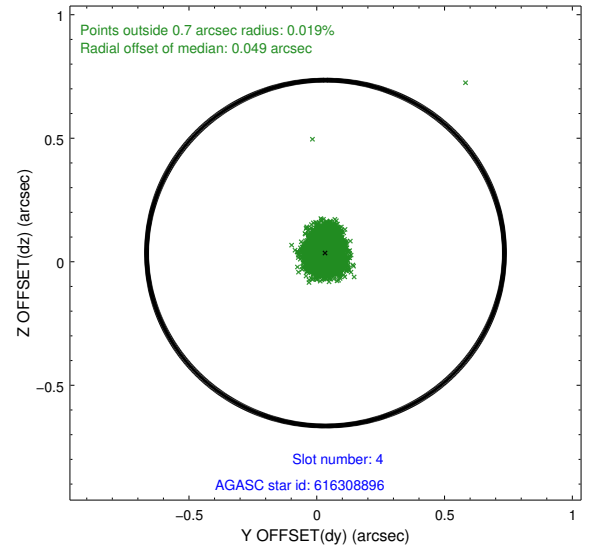
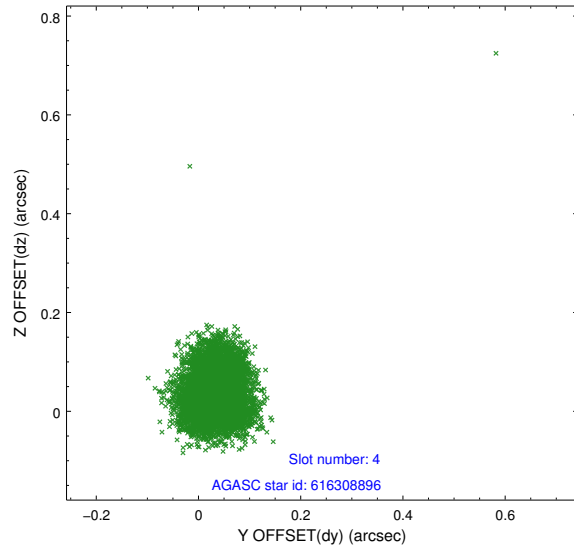
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	2590	-0.013	-0.021	0.008	0.015	0.000000	0.000000	-755.52	-774.67
1	FID	ACIS-I-4	7.21	2590	-0.015	0.023	0.006	0.010	0.000000	0.000000	2158.33	1131.33
2	FID	ACIS-I-5	7.23	2590	-0.073	0.067	0.008	0.014	0.000000	0.000000	-1808.92	1130.17
3	GUIDE	616309112	7.29	5180	0.011	0.120	0.059	0.103	42.055014	-3.619210	-448.38	-69.15
4	GUIDE	616308896	8.17	5180	0.034	0.035	0.063	0.096	42.427748	-3.548145	-288.07	-1423.19
5	GUIDE	616309048	8.81	5179	-0.113	-0.107	0.063	0.101	41.784403	-3.226459	1030.37	800.78
6	GUIDE	616302872	8.25	5177	-0.107	-0.083	0.050	0.080	41.855710	-3.296822	759.90	563.41
7	GUIDE	616306616	8.90	5179	0.168	0.038	0.062	0.099	42.263219	-4.097260	-2217.70	-693.36

2.4 Star Slots

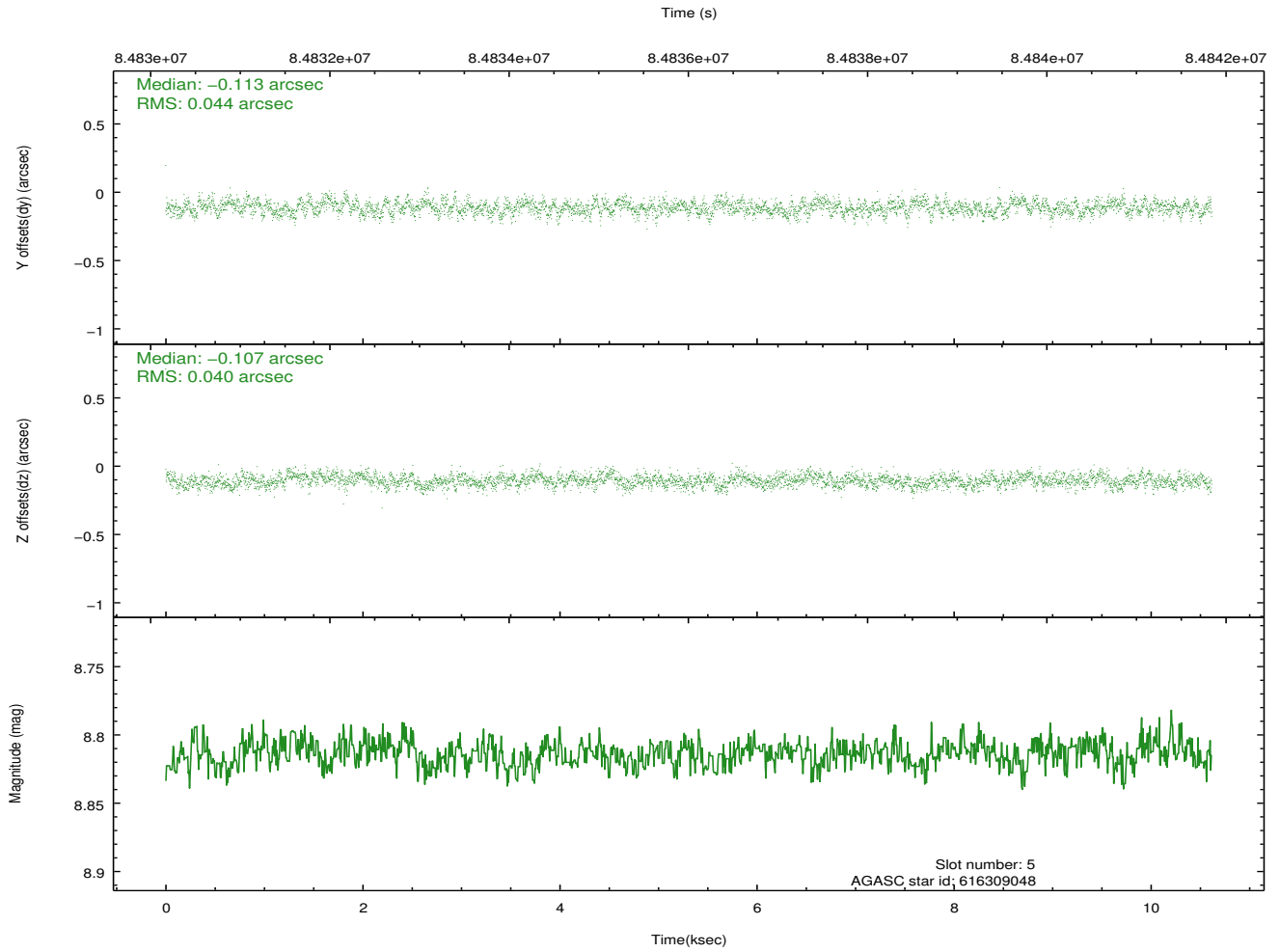
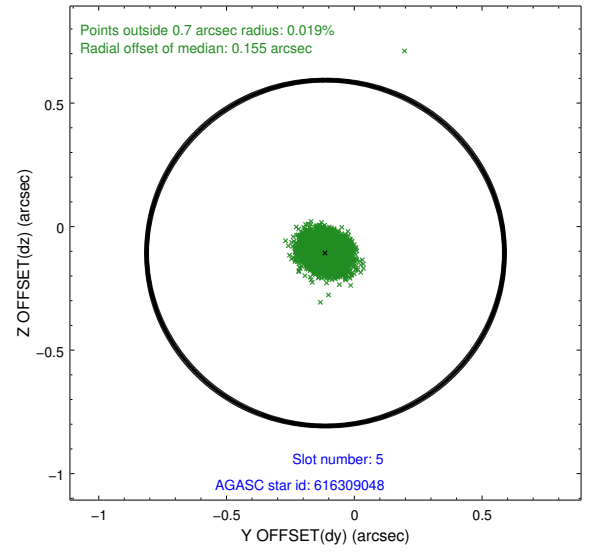
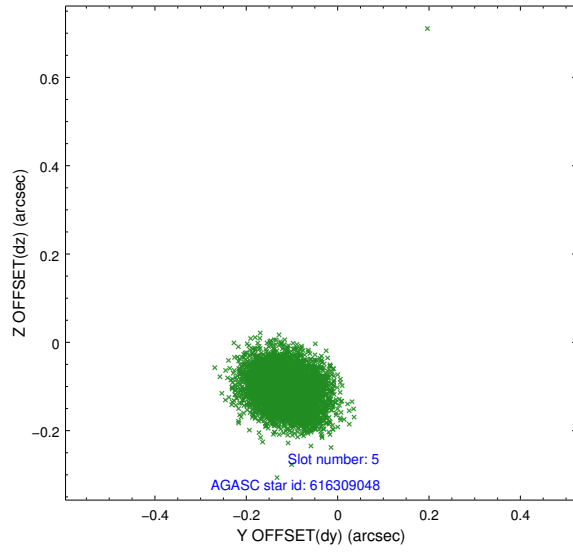
2.4.1 Slot 3



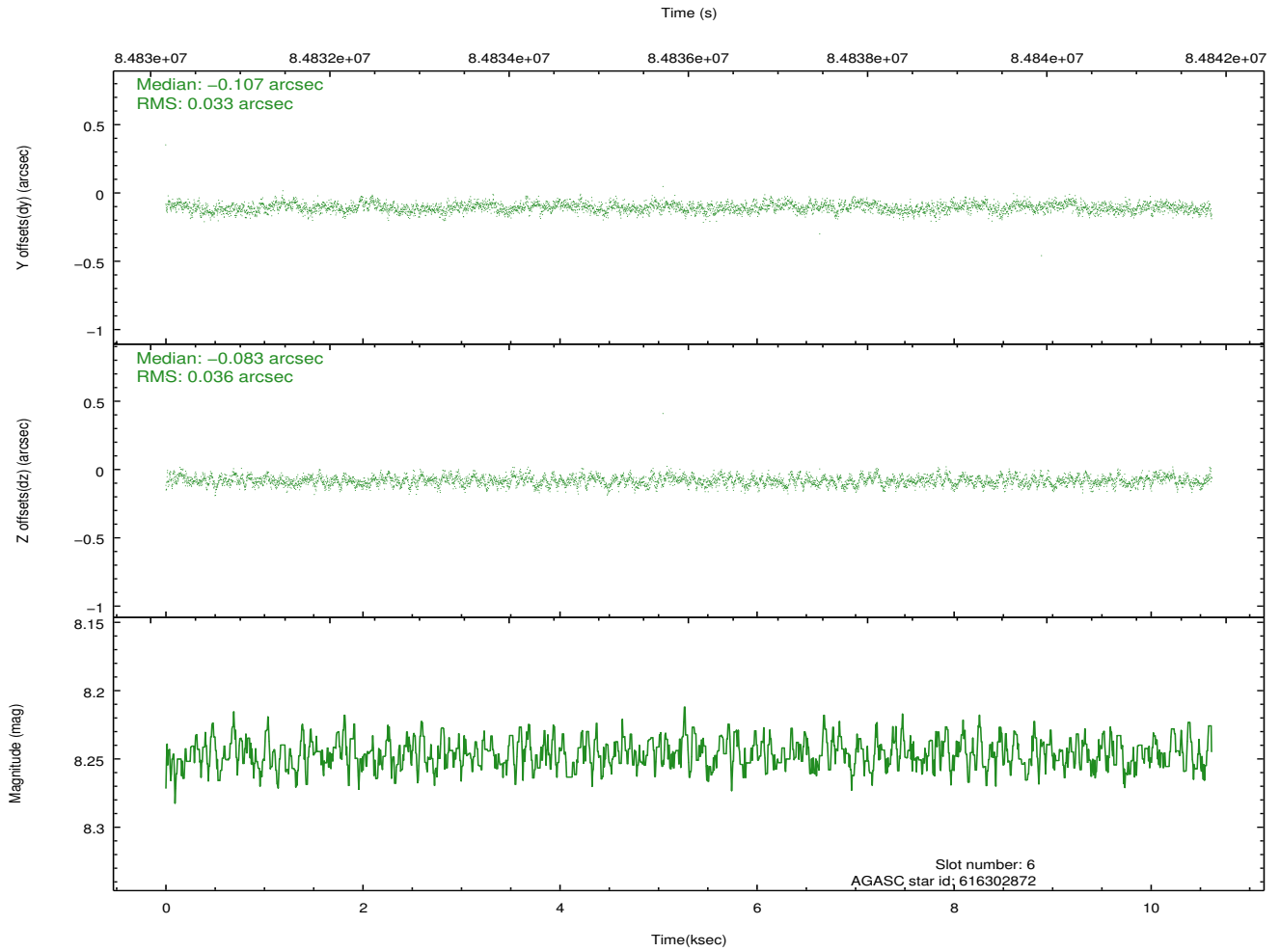
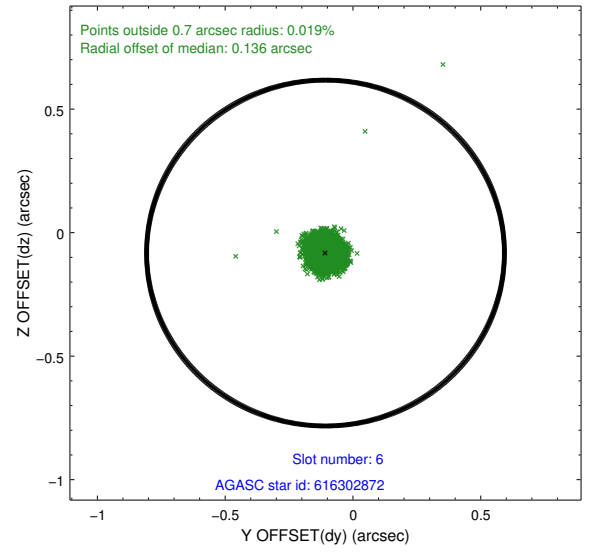
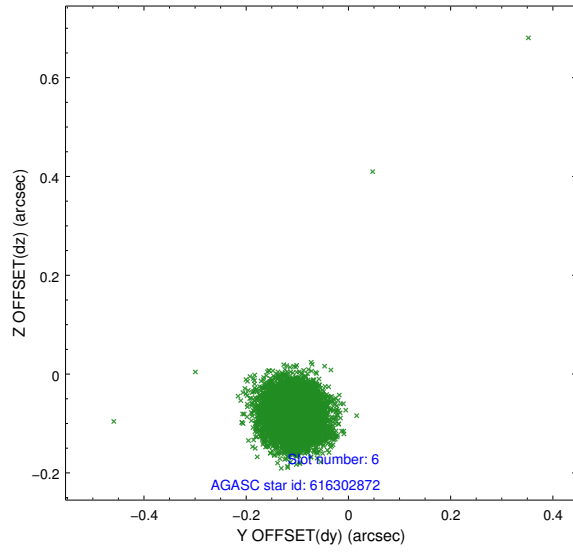
2.4.2 Slot 4



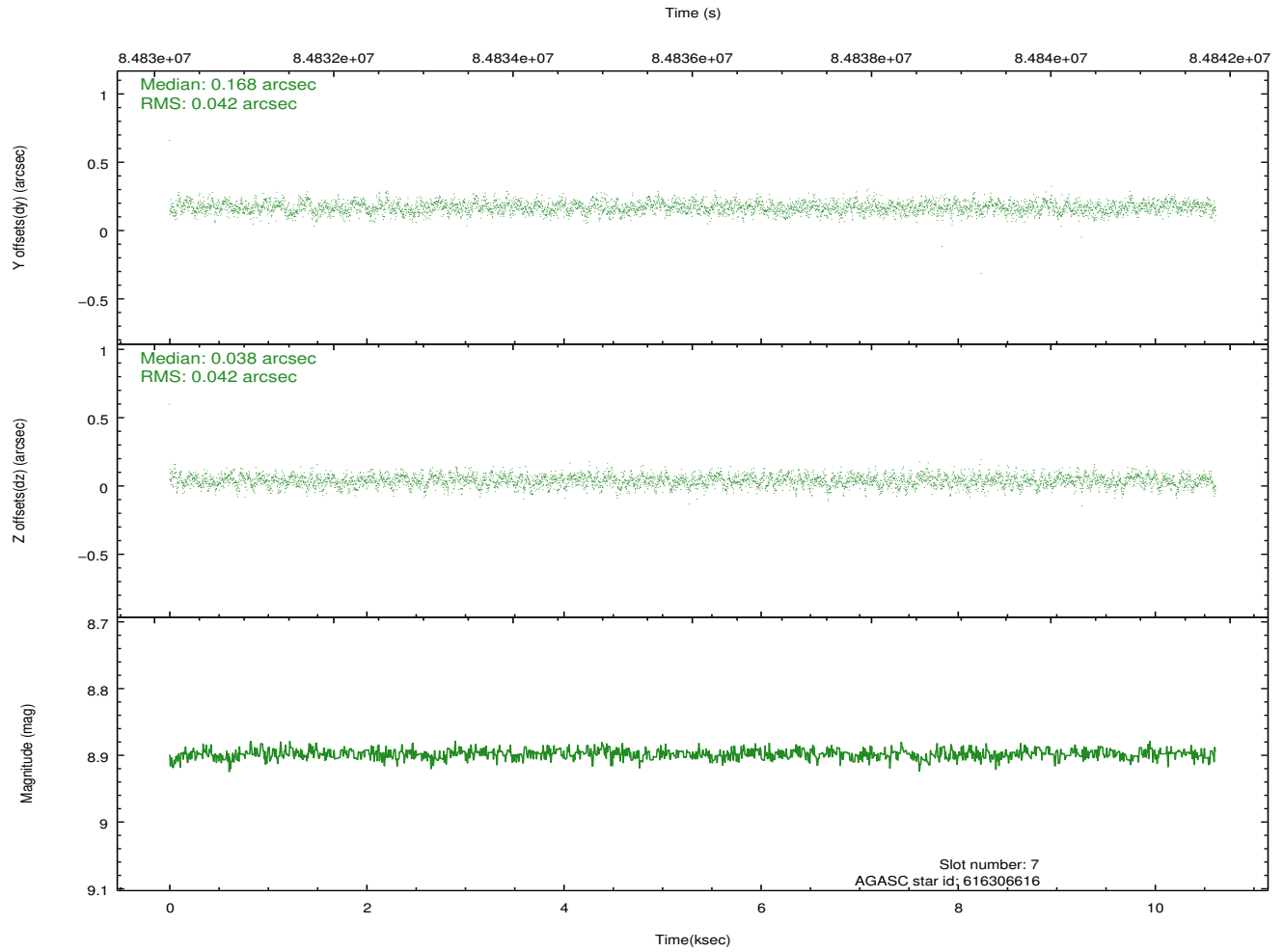
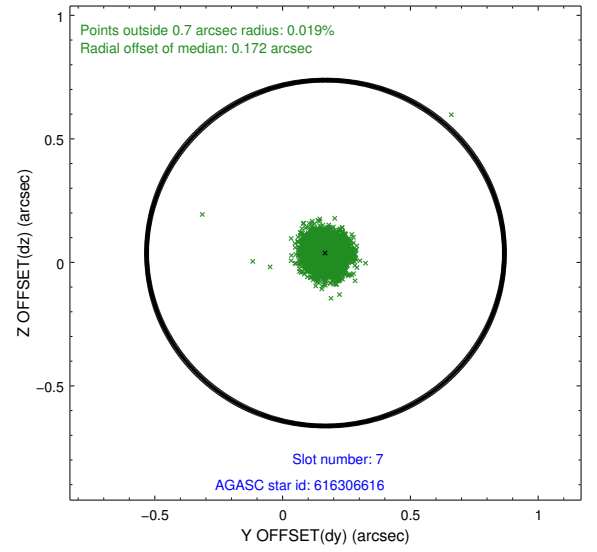
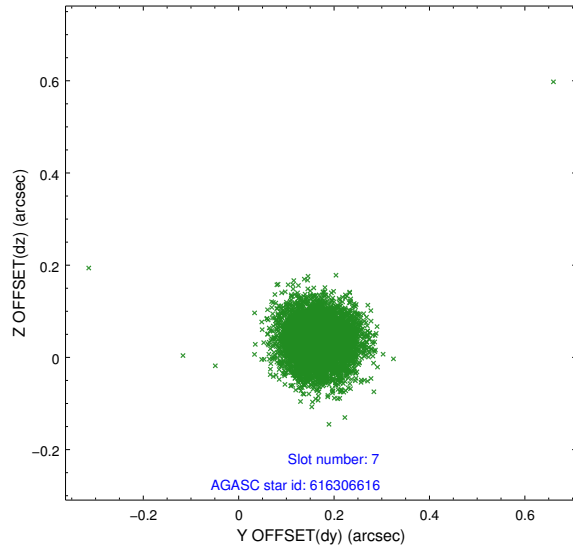
2.4.3 Slot 5



2.4.4 Slot 6

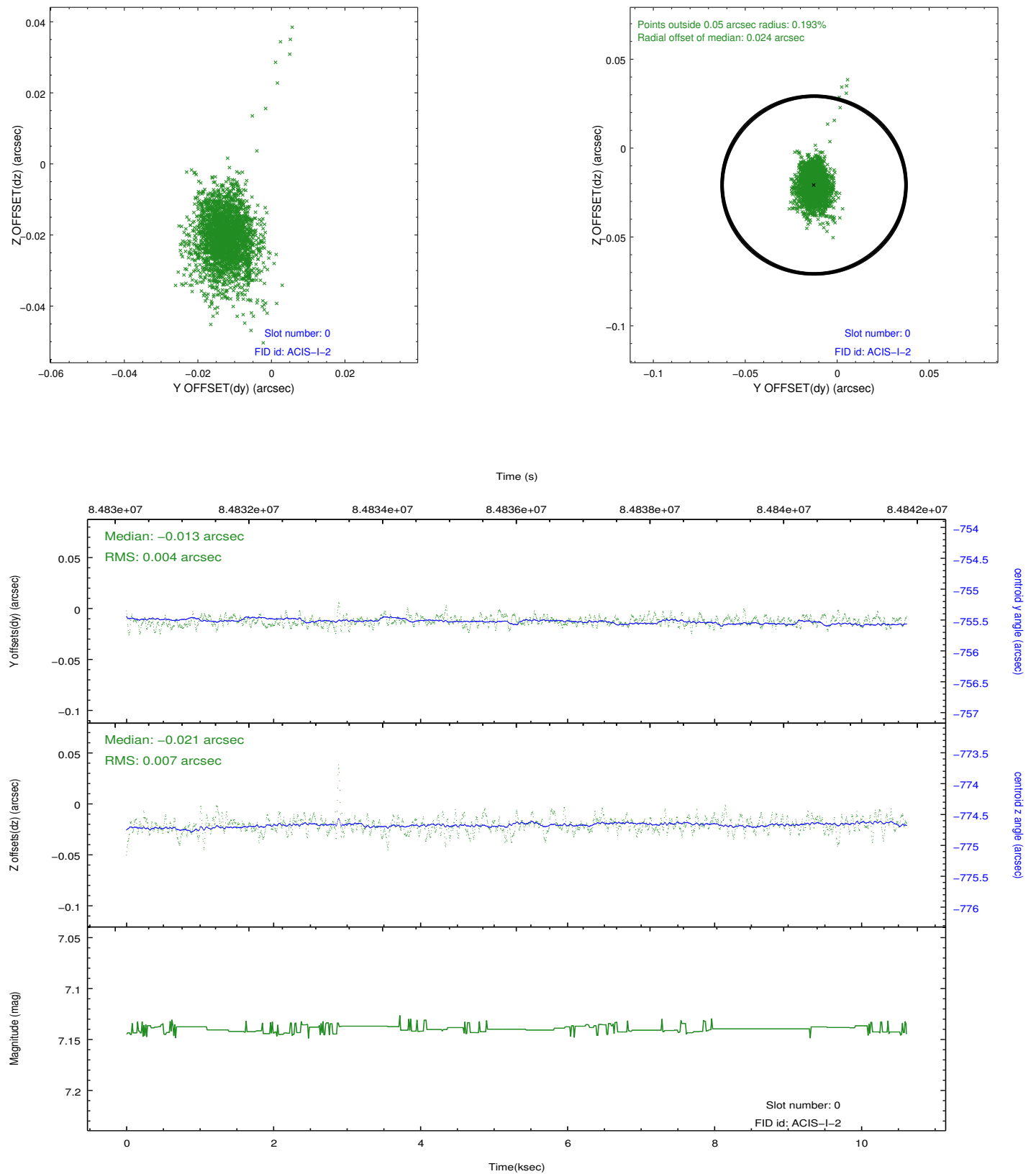


2.4.5 Slot 7

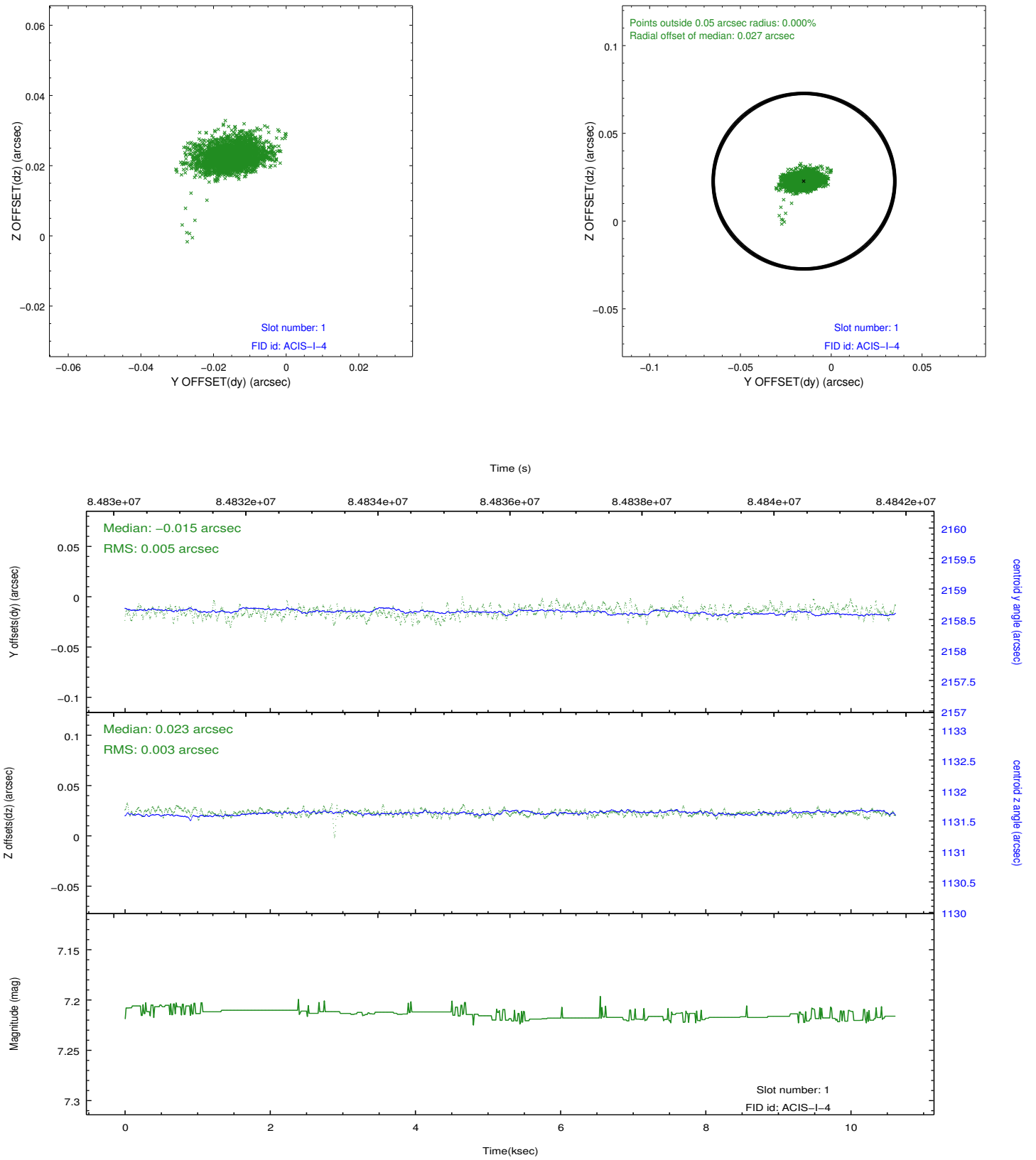


2.5 FID Slots

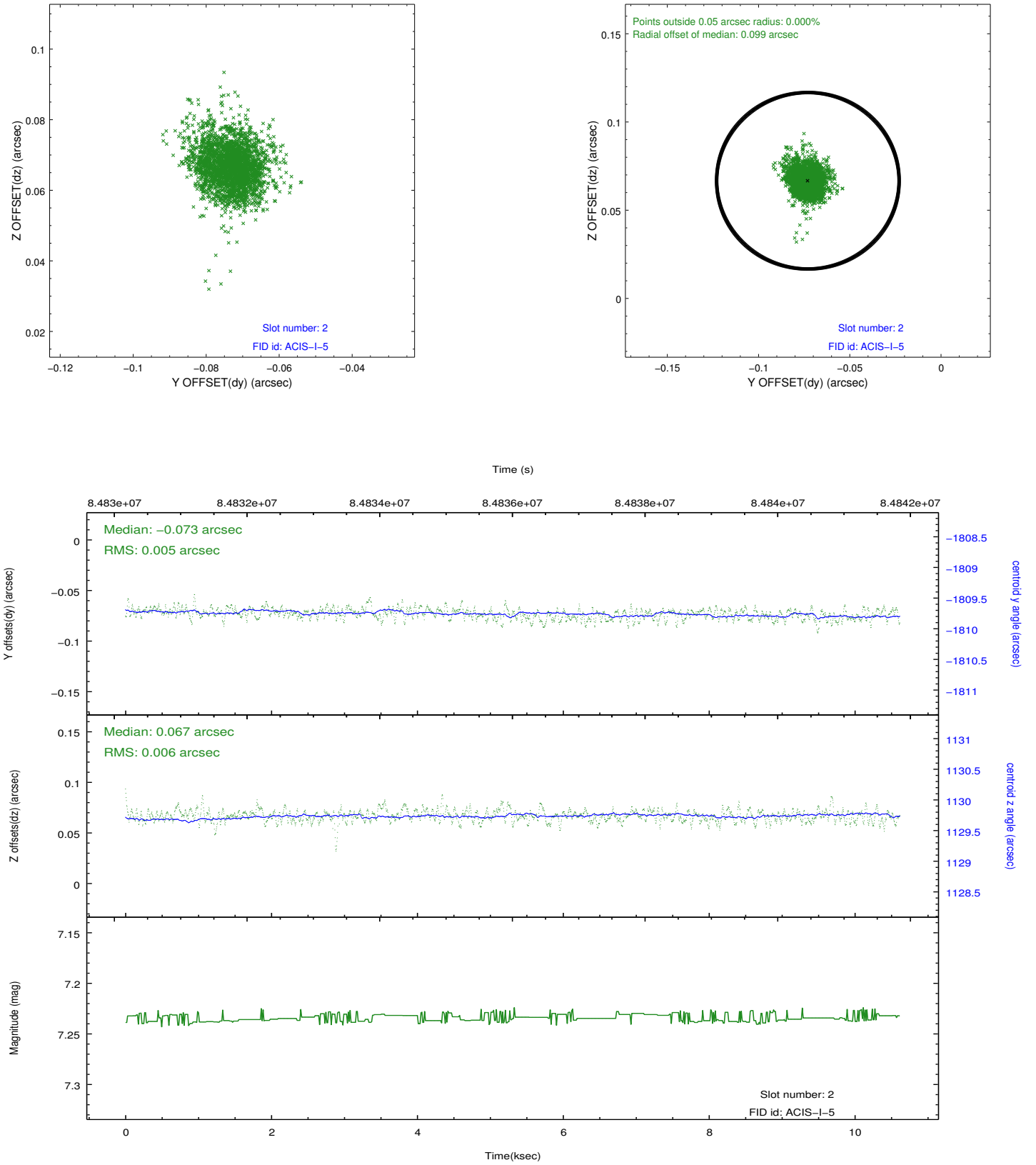
2.5.1 Slot 0



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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.092

A.2 Comments