

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 535 - L2 Version 4
Chandra X-Ray Center

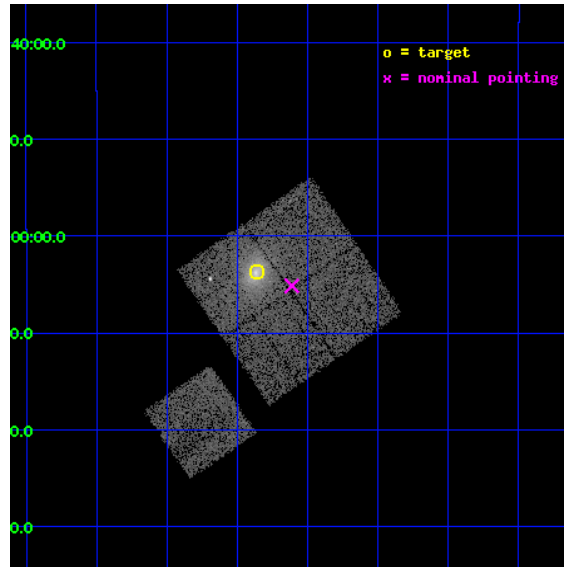
L2 Processing Date : Aug 29 2012

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1 Front

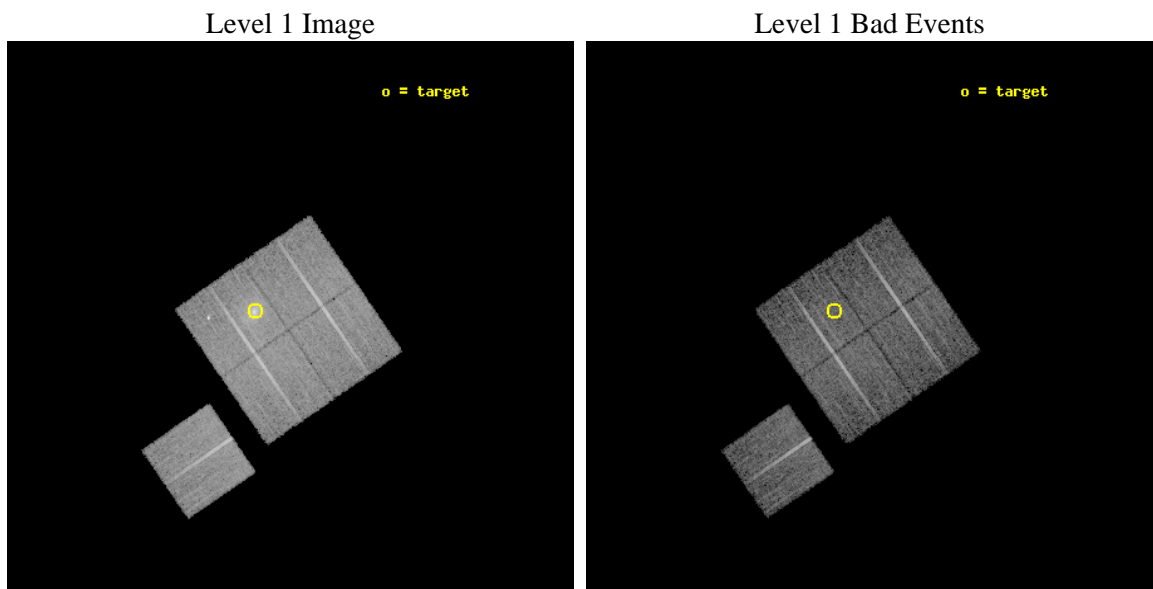
seq_num	800043	Sequence number
obs_id	535	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	A907	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.589	Observer's specified target RA [deg]
dec_targ	-11.061	Observer's specified target Dec [deg]
ra_nom	149.52779694248	Nominal RA [deg]
dec_nom	-11.085709744702	Nominal Dec [deg]
roll_nom	235.45988092281	Nominal Roll [deg]
revision	4	Processing version of data
ontime	11094.400010318	Sum of GTIs [s]
livetime	10953.916037141	Livetime [s]
ontime0	11087.918079928	Sum of GTIs [s]
ontime1	11091.159020141	Sum of GTIs [s]
ontime2	11091.159060076	Sum of GTIs [s]
ontime3	11094.400010318	Sum of GTIs [s]
ontime6	11094.400010318	Sum of GTIs [s]
l2events	49406	Number of level 2 events



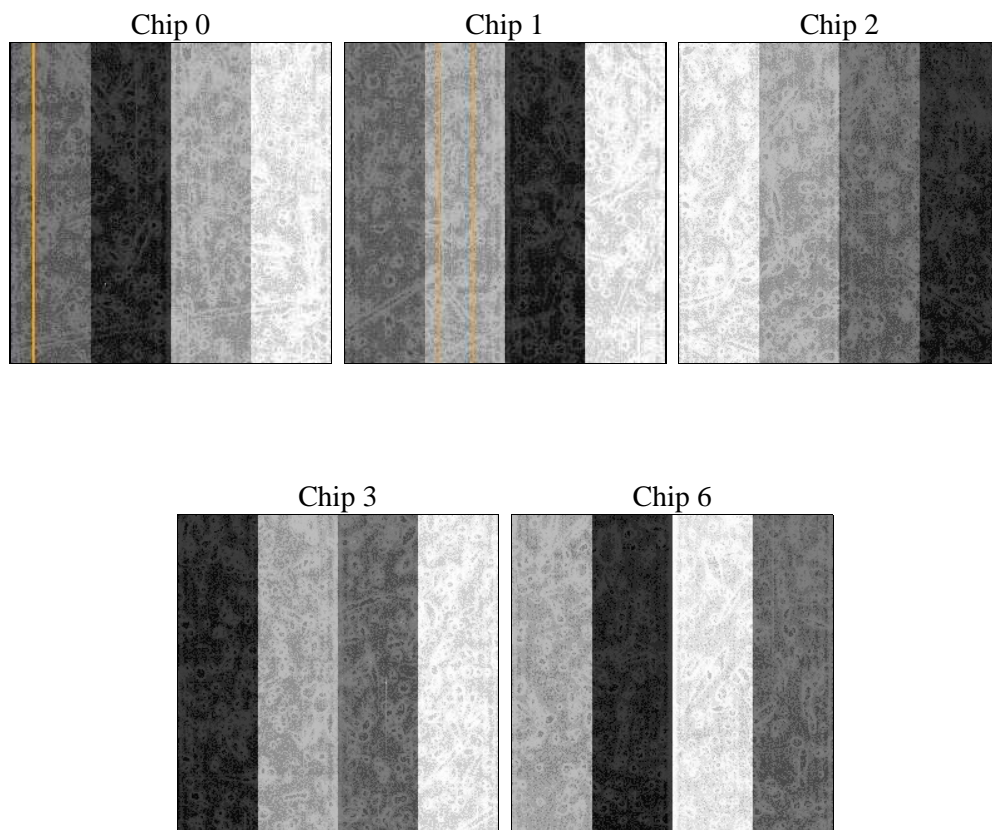
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11094.400010318	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	11087.918079928	Sum of GTIs [s]
date	2012-08-30T01:17:13	Date and time of file creation	ontime1	11091.159020141	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	11091.159060076	Sum of GTIs [s]
			ontime3	11094.400010318	Sum of GTIs [s]
			ontime6	11094.400010318	Sum of GTIs [s]
			l1events	367574	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	68304	68517	72333	86254	72166
rejected events	59810	59056	64197	64023	64323
rejected %	87%	86%	88%	74%	89%

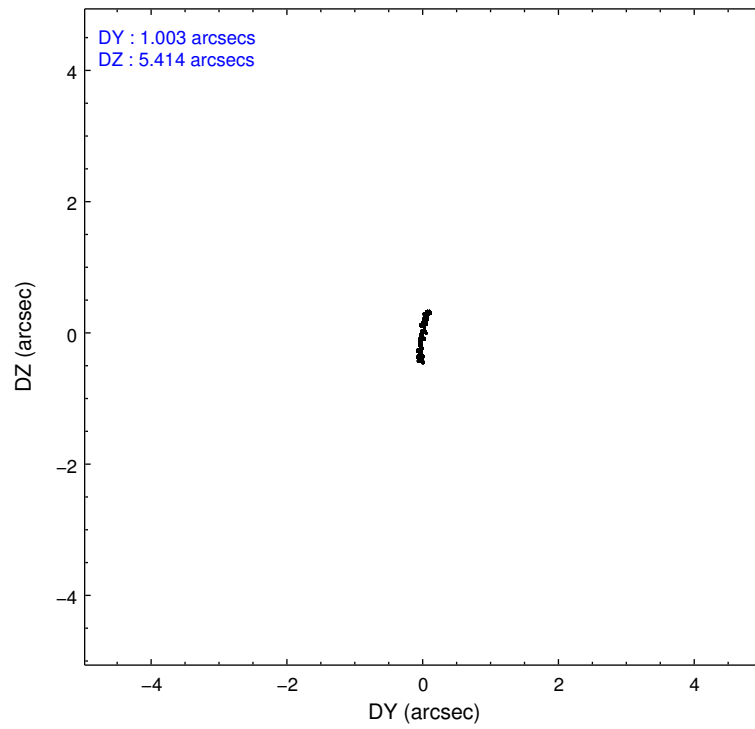
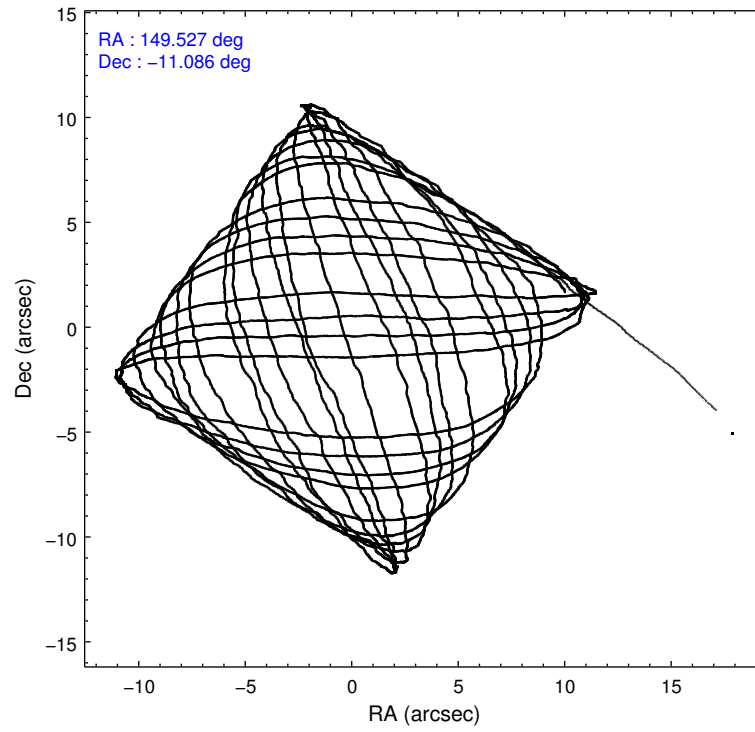
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3648	4311	3553	15306	3243
	5%	6%	4%	17%	4%
grade 1 events	39	43	41	97	25
	0%	0%	0%	0%	0%
grade 2 events	1767	1789	1724	2945	1558
	2%	2%	2%	3%	2%
grade 3 events	833	921	787	1171	805
	1%	1%	1%	1%	1%
grade 4 events	789	866	797	1153	790
	1%	1%	1%	1%	1%
grade 5 events	2382	2394	2248	2563	2724
	3%	3%	3%	2%	3%
grade 6 events	1460	1583	1281	1668	1451
	2%	2%	1%	1%	2%
grade 7 events	57386	56610	61902	61351	61570
	84%	82%	85%	71%	85%

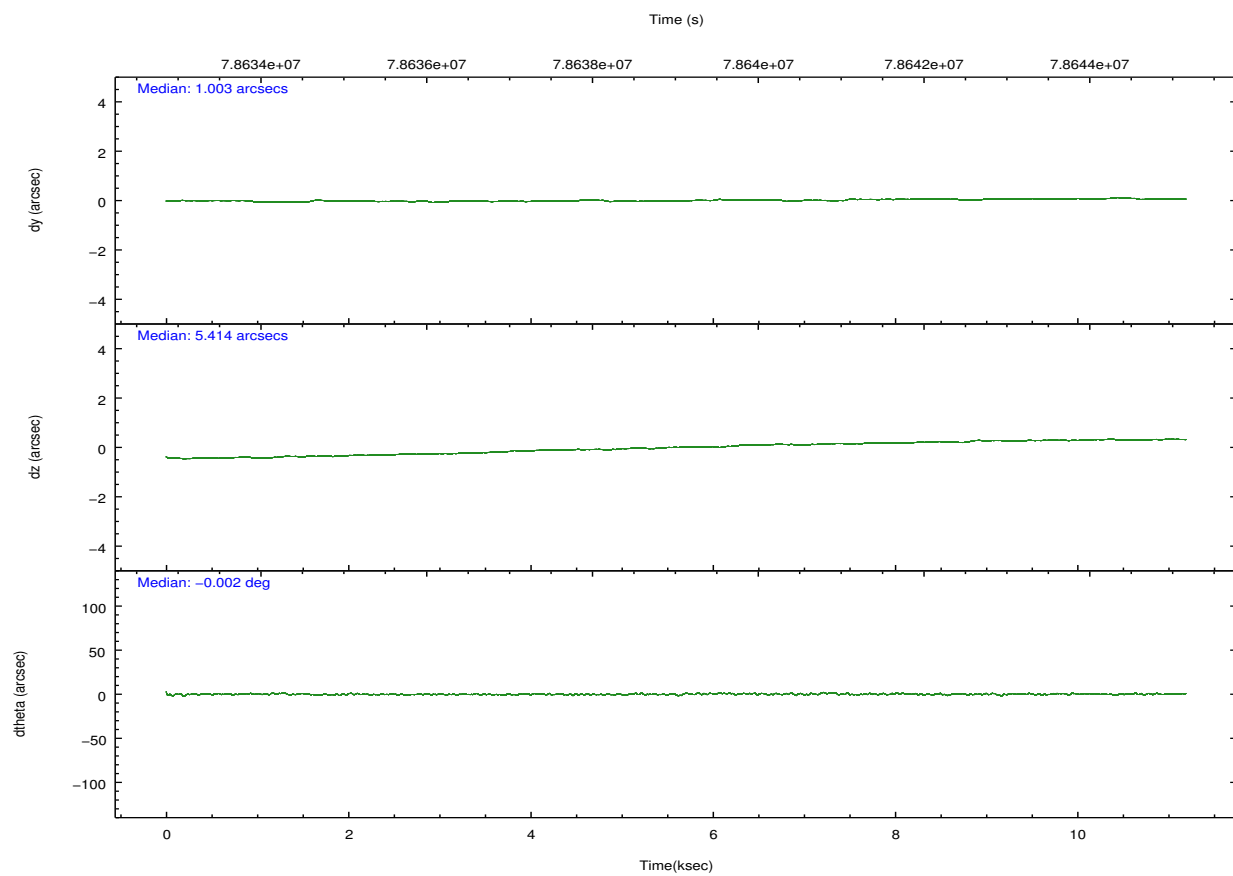
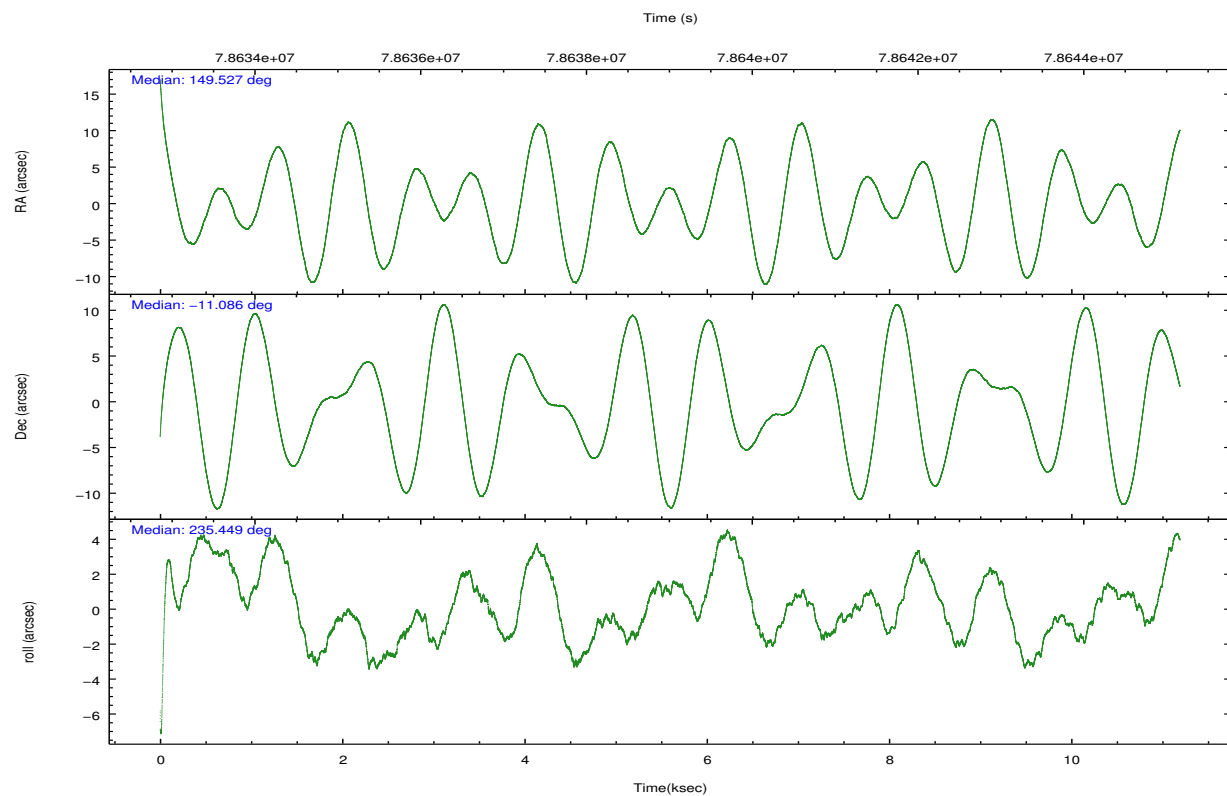
2.2 Compared Parameters

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	149.530166	149.5277969424758
[deg] Pointing Dec	-11.058277	-11.08570974470198
[deg] Pointing Roll	235.251672	235.4598809228125
[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)	78633603.184000	78632617.83369701
Observation start date	2000-06-29T02:38:59	2000-06-29T02:23:37
[s] Observation end time (MET)	78644603.184000	78645311.434165
Observation end date	2000-06-29T05:42:19	2000-06-29T05:55:11
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



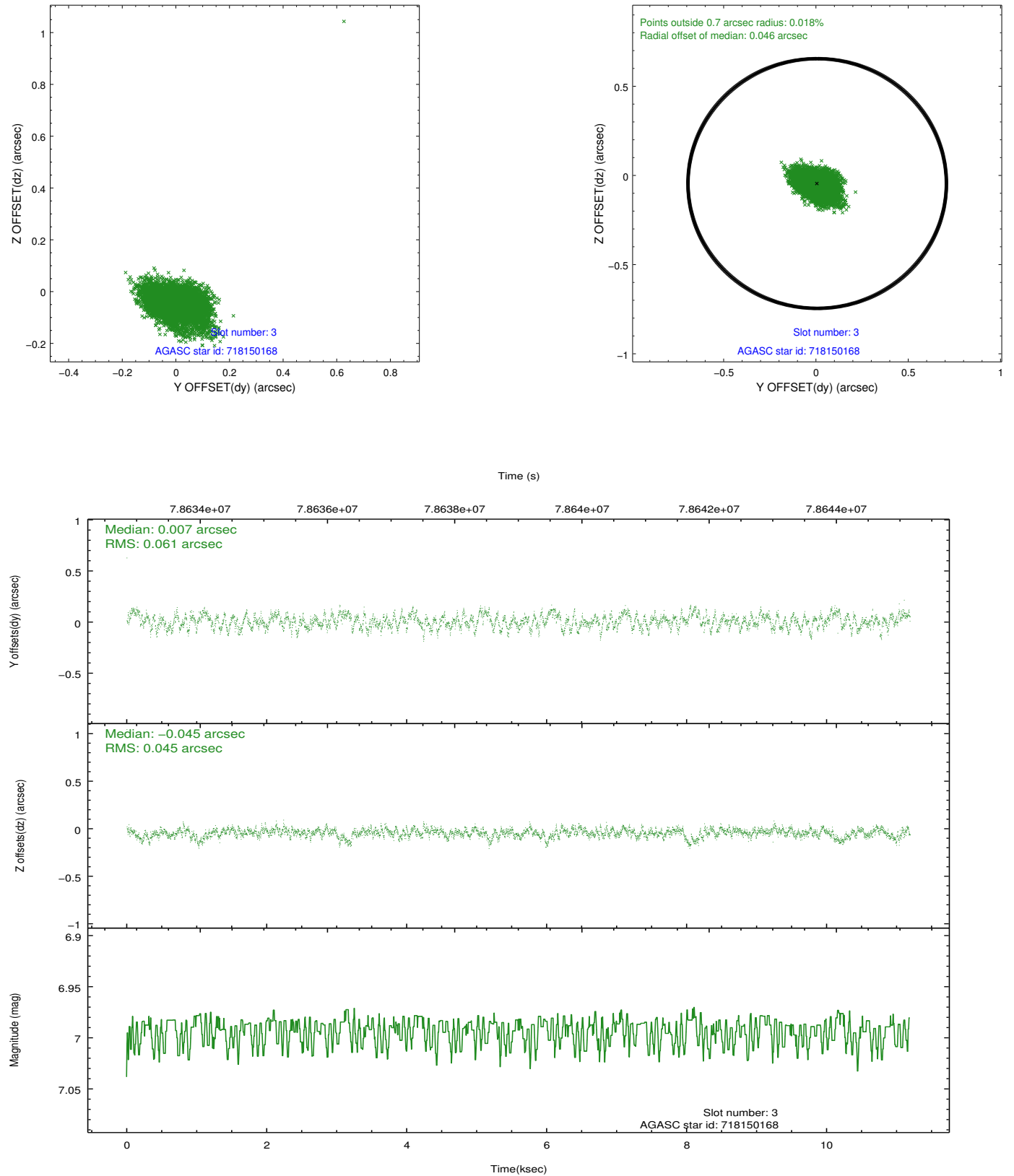


Slot Statistics

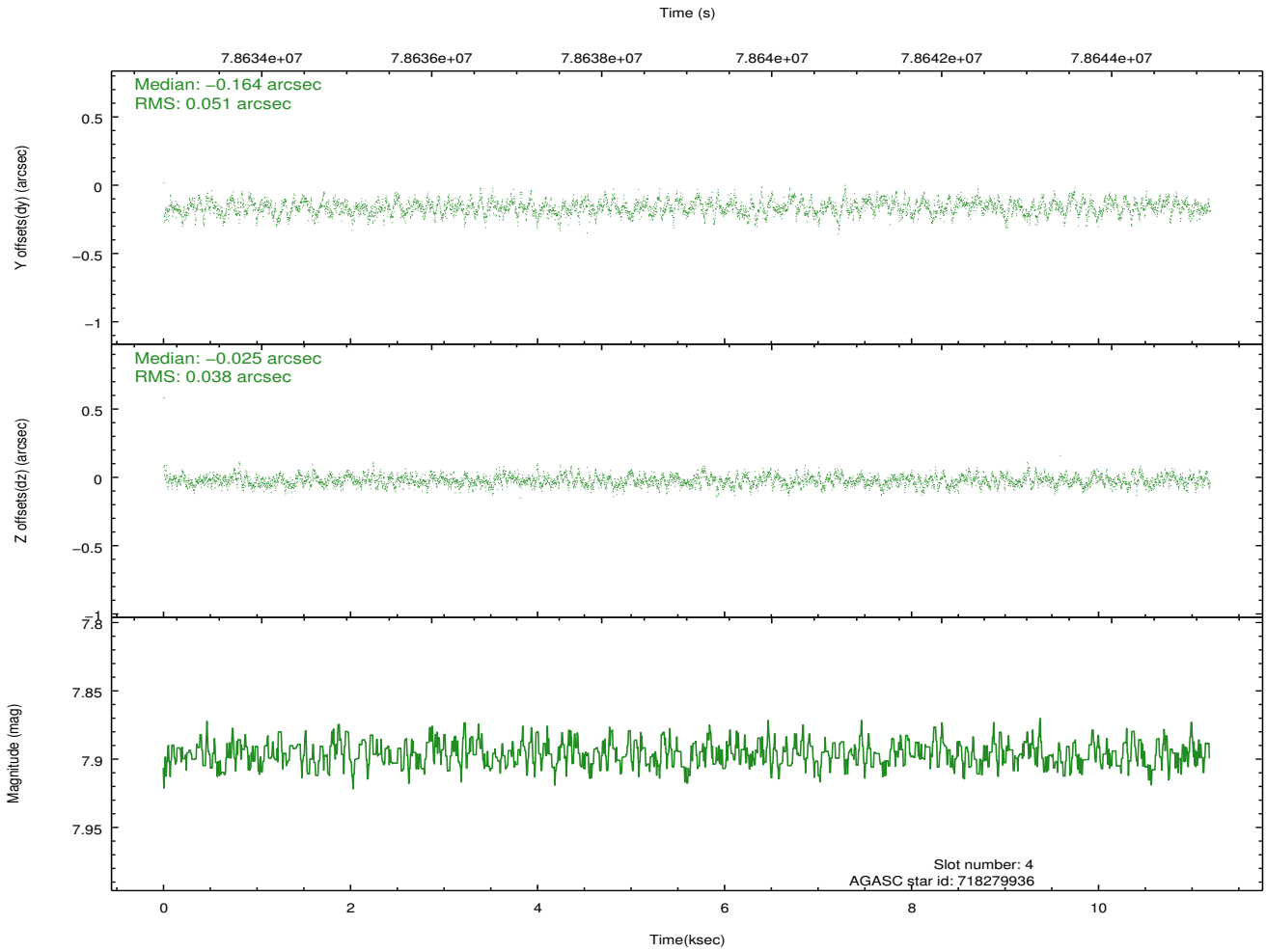
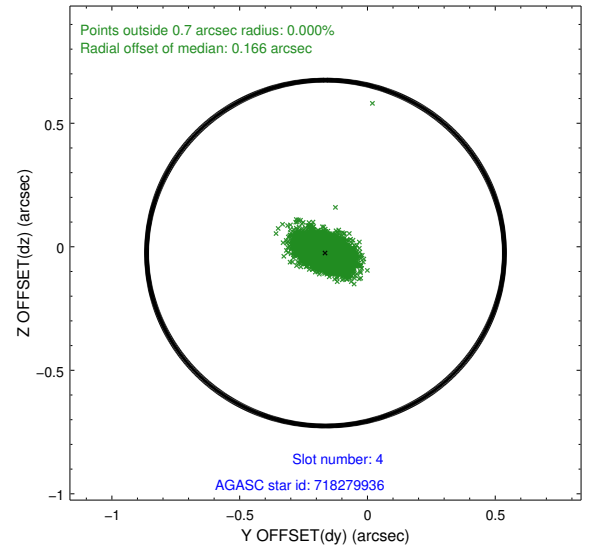
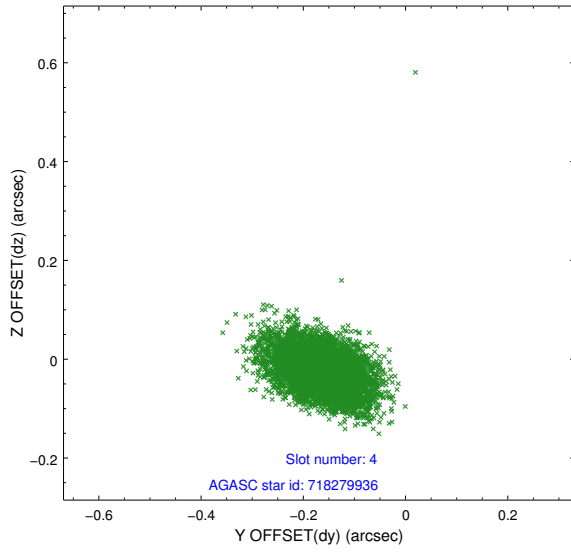
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	2729	-0.005	-0.022	0.009	0.017	0.000000	0.000000	-755.14	-775.19
1	FID	ACIS-I-4	7.21	2730	-0.040	0.020	0.008	0.014	0.000000	0.000000	2158.70	1130.83
2	FID	ACIS-I-5	7.23	2730	-0.056	0.071	0.010	0.016	0.000000	0.000000	-1808.57	1129.64
3	GUIDE	718150168	6.99	5460	0.007	-0.045	0.079	0.131	148.806680	-11.034344	1388.53	-2146.63
4	GUIDE	718279936	7.90	5459	-0.164	-0.025	0.066	0.114	149.904611	-10.701814	-1809.45	357.68
5	GUIDE	718280680	9.02	5460	-0.045	0.082	0.099	0.159	150.281588	-11.082151	-1441.34	2233.09
6	GUIDE	718280912	9.51	5457	-0.005	0.154	0.088	0.147	149.903458	-11.068058	-723.31	1105.65
7	GUIDE	718149600	9.74	5454	0.208	-0.165	0.121	0.199	148.724212	-11.209125	2071.33	-2025.39

2.4 Star Slots

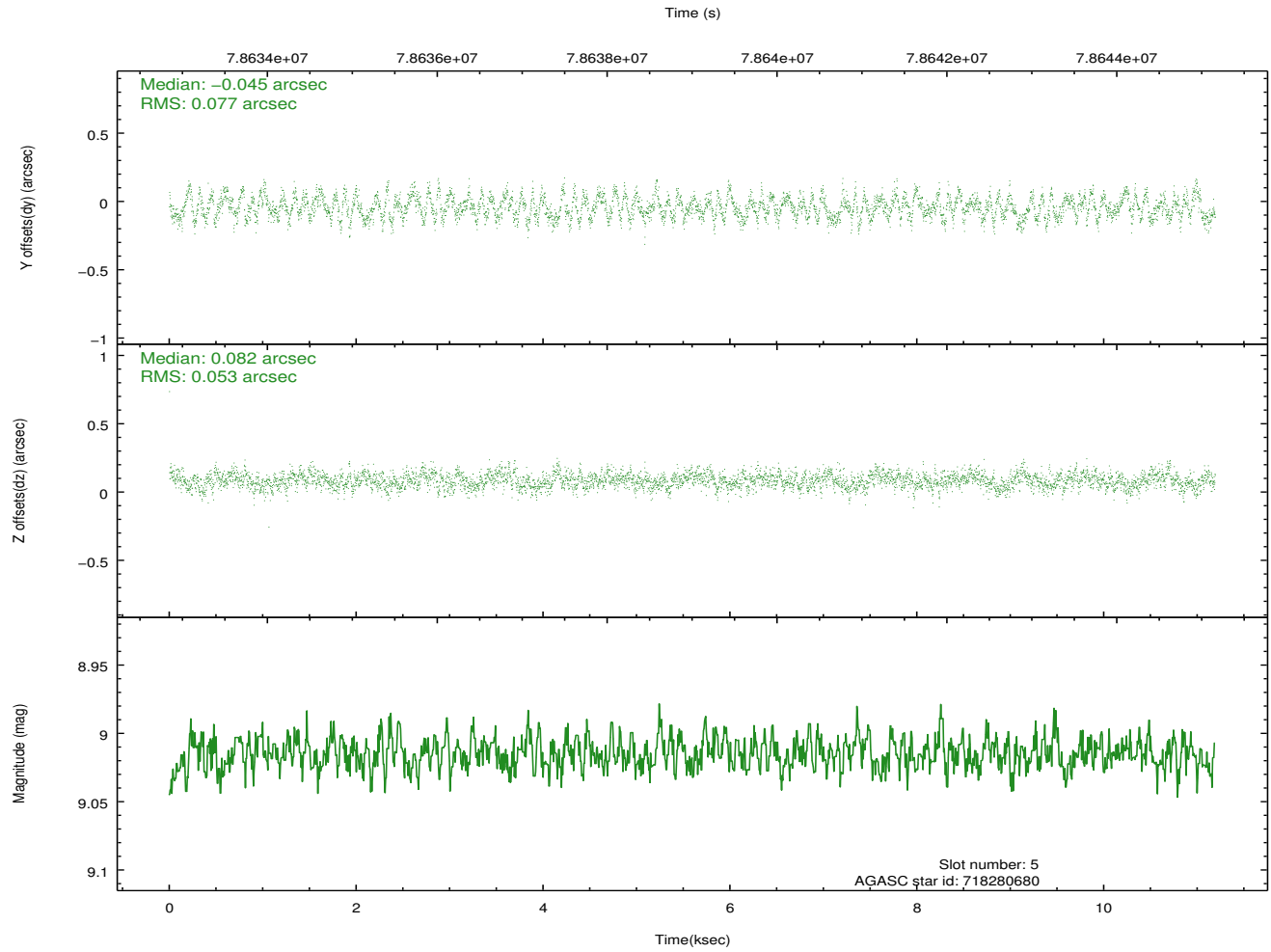
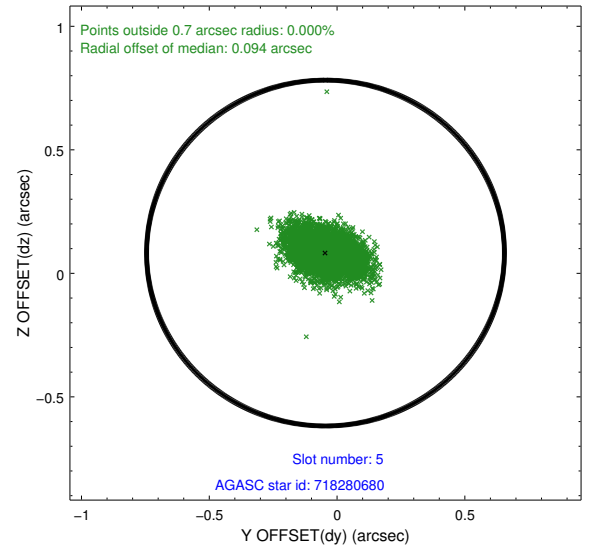
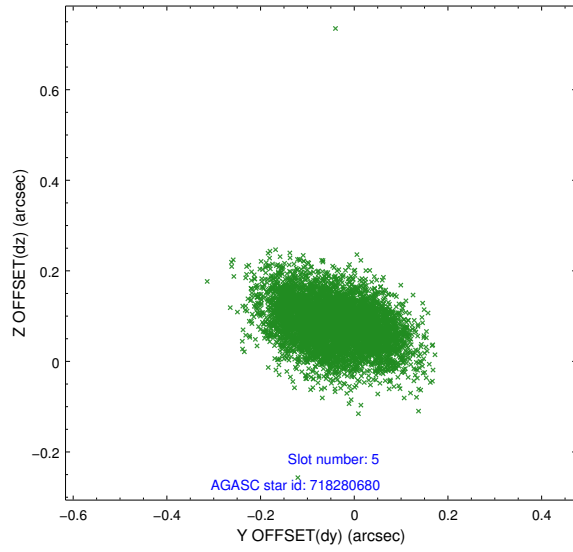
2.4.1 Slot 3



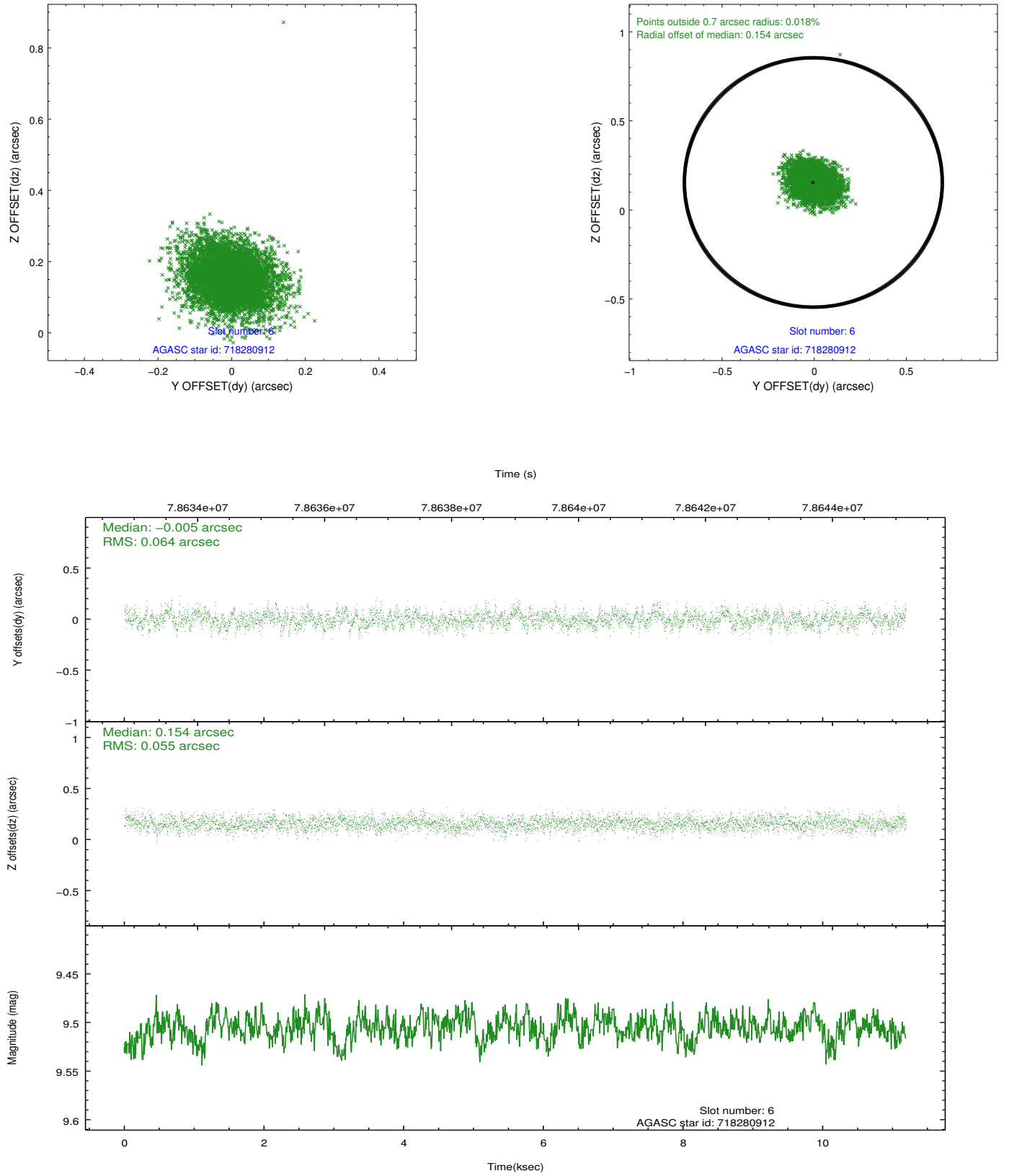
2.4.2 Slot 4



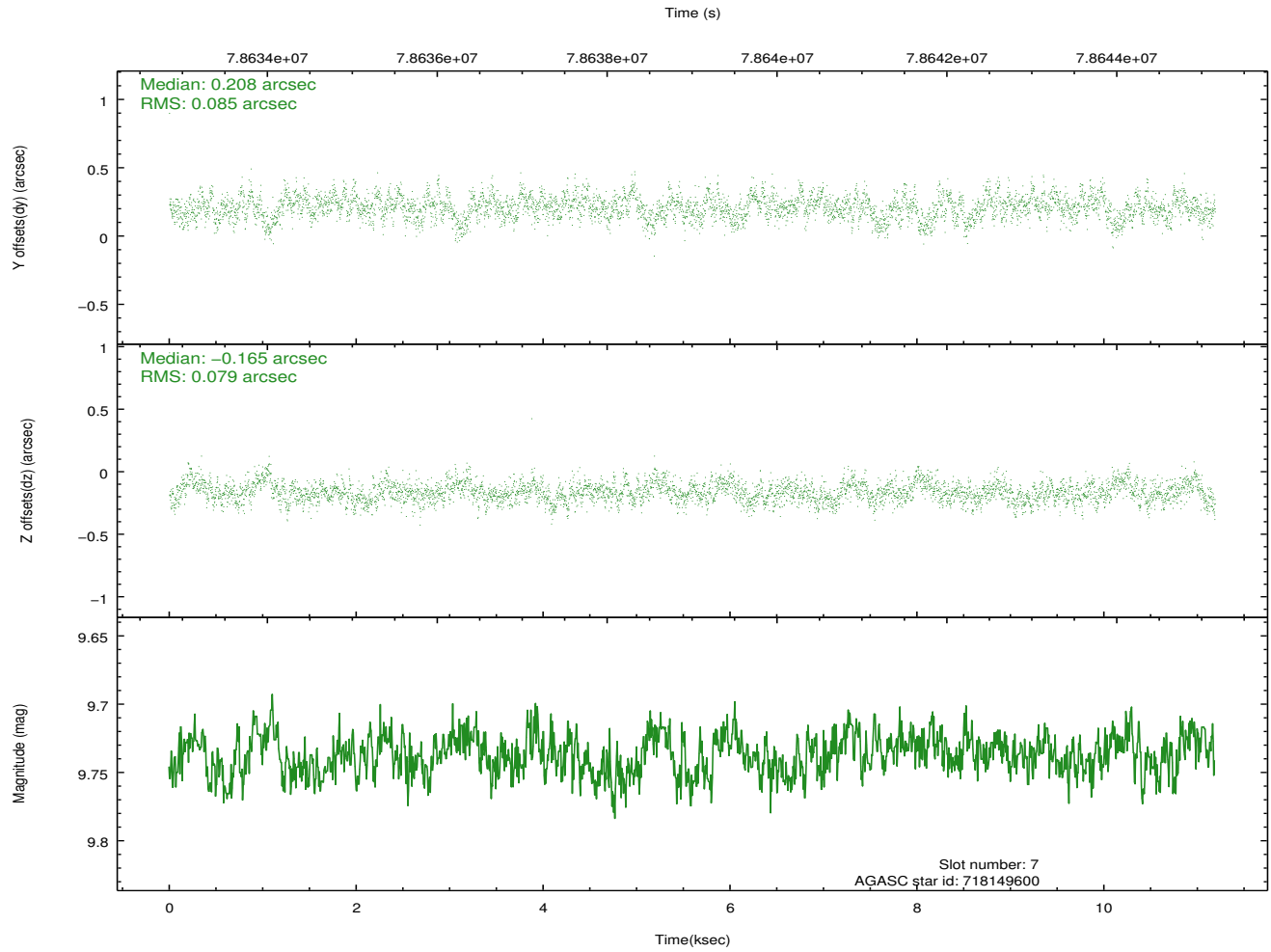
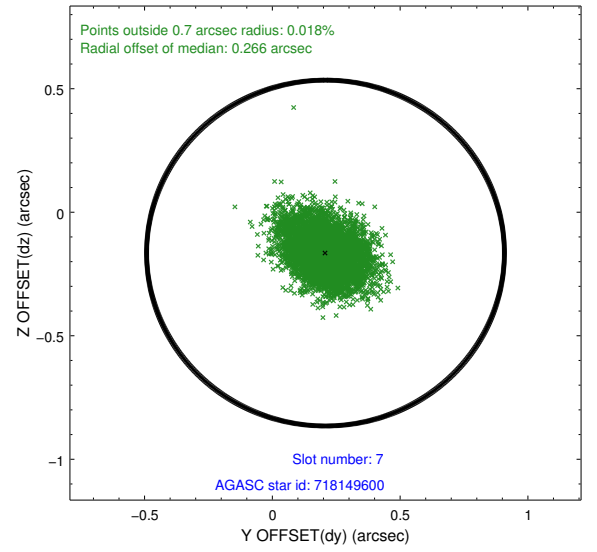
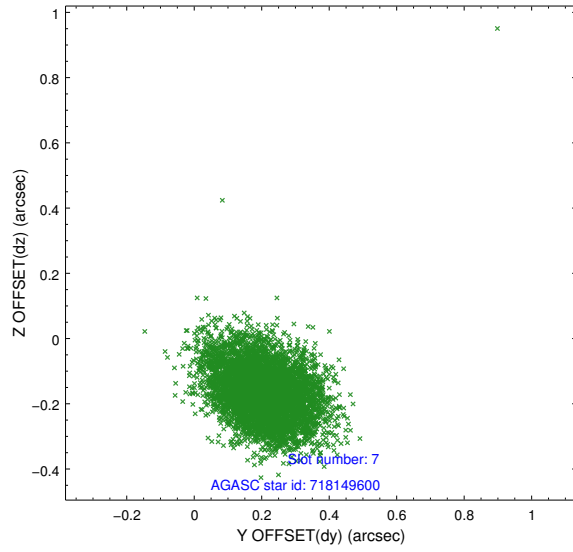
2.4.3 Slot 5



2.4.4 Slot 6

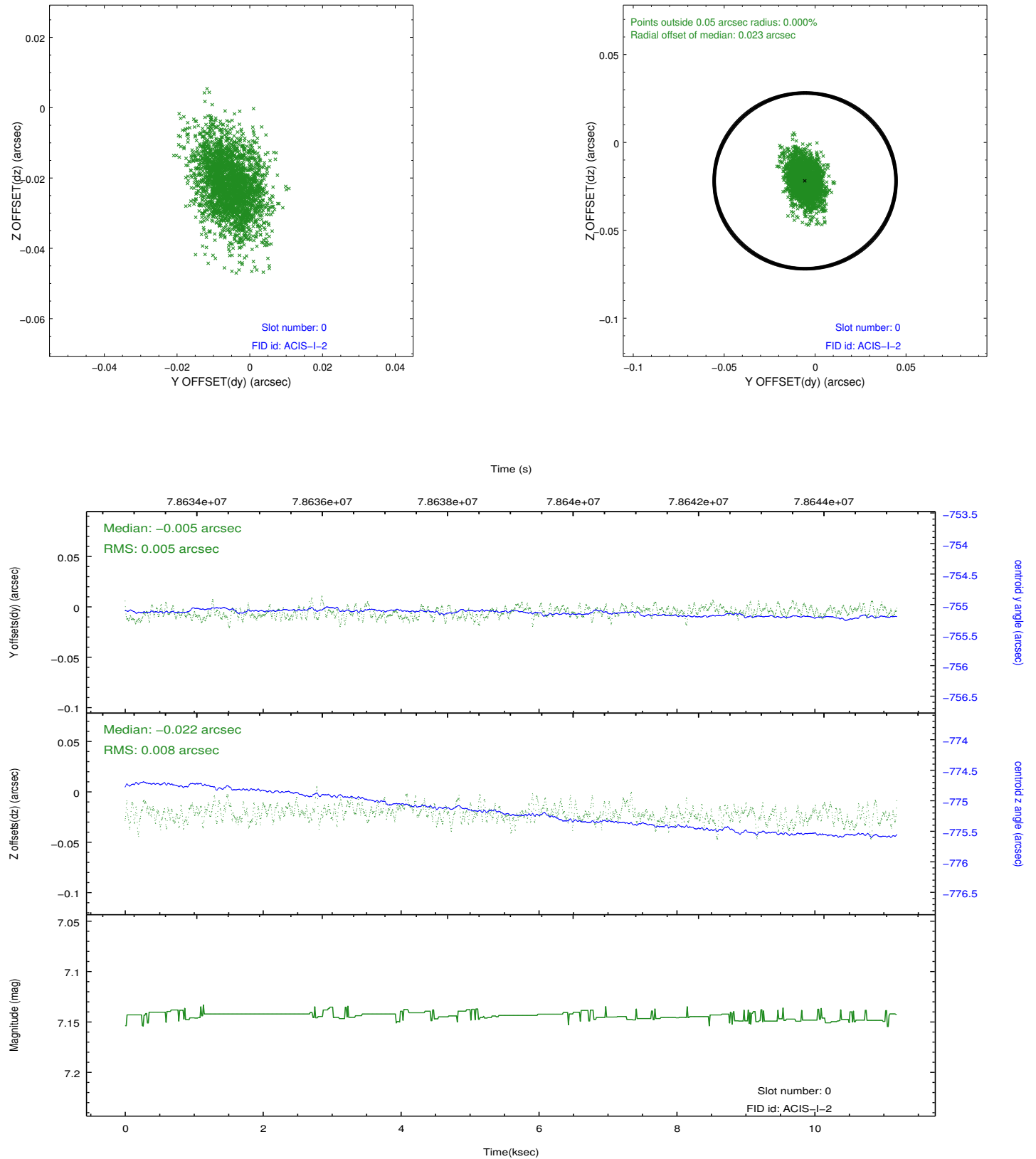


2.4.5 Slot 7

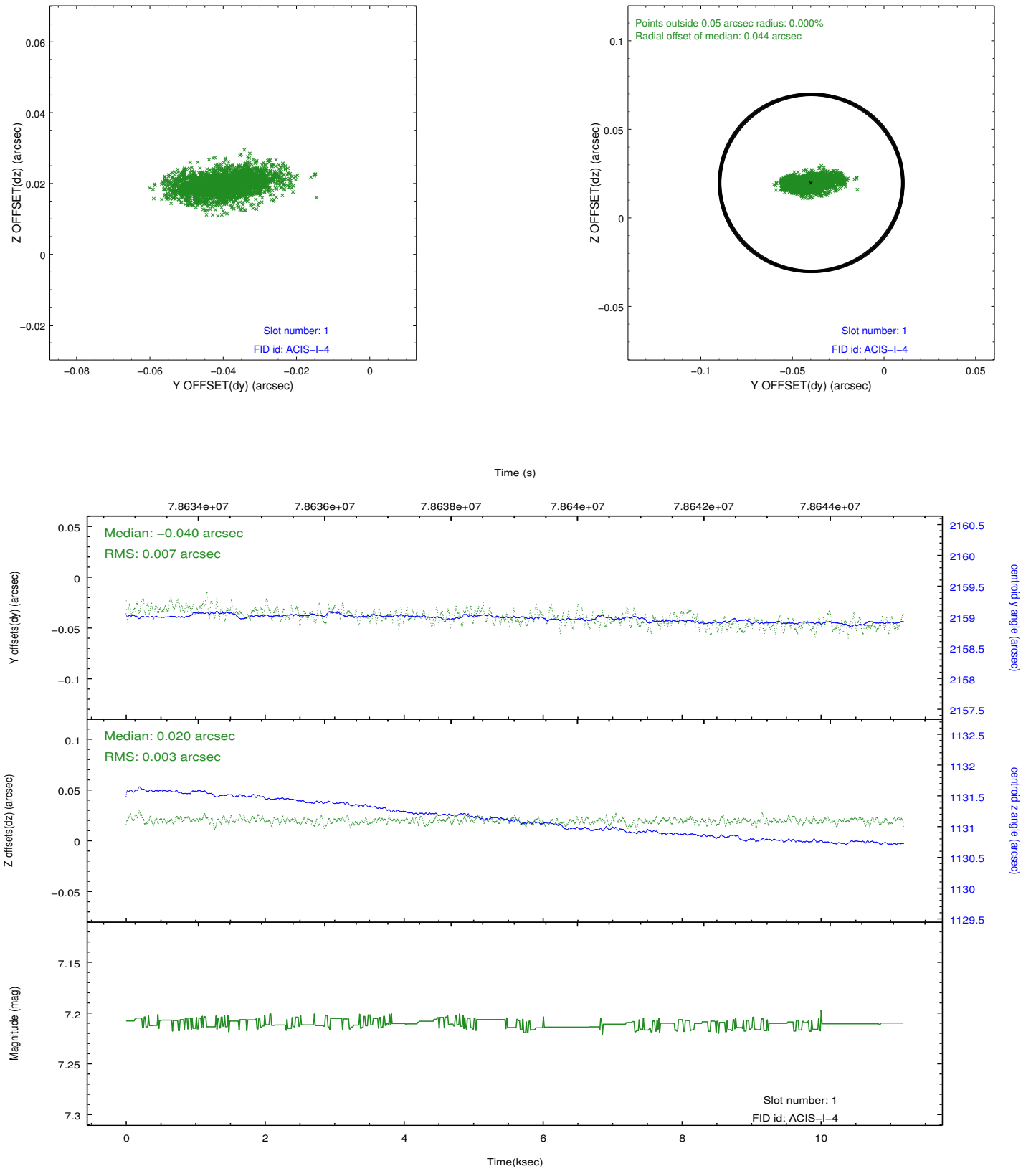


2.5 FID Slots

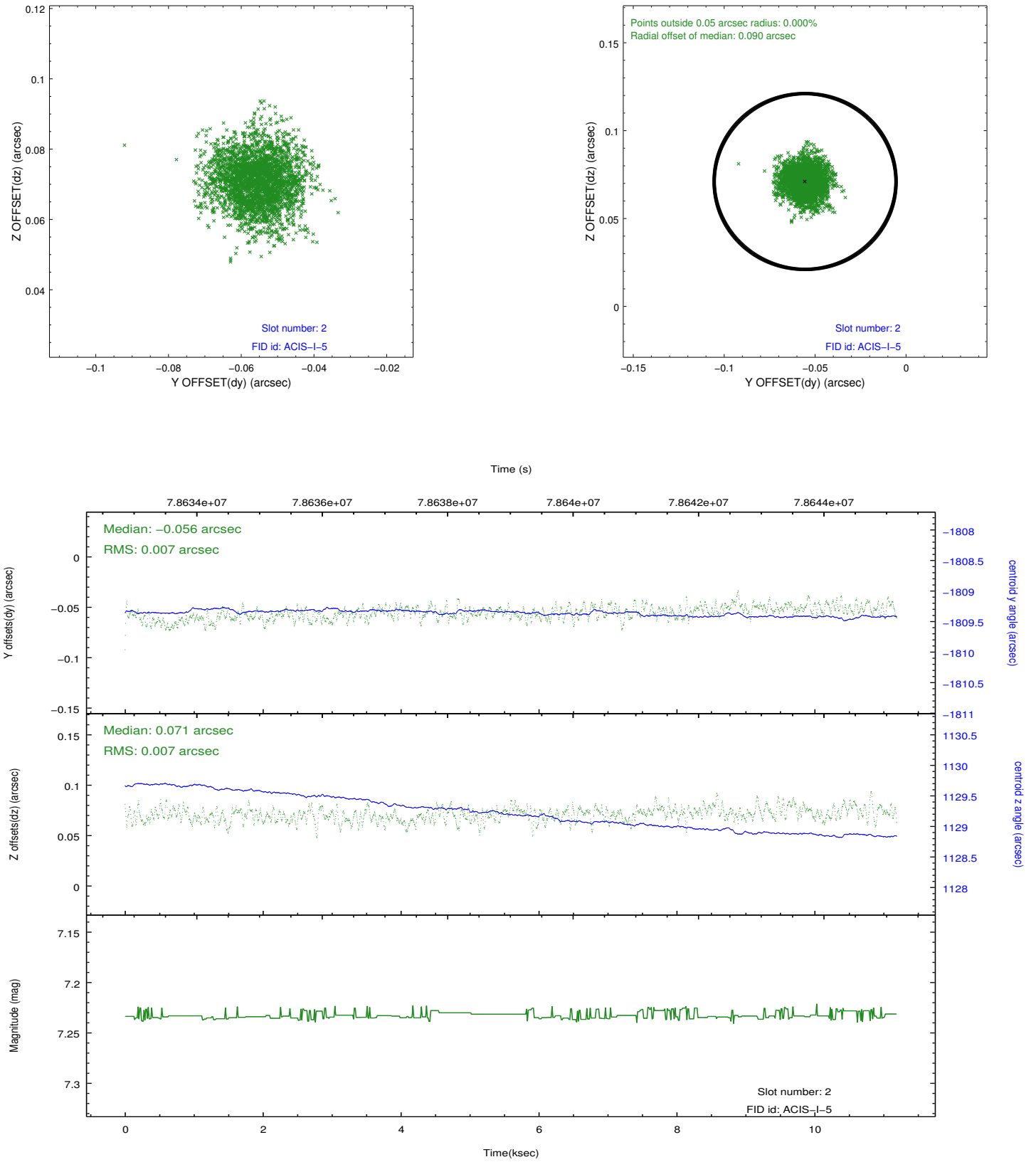
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.1

A.2 Comments