

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2191 - L2 Version 3
Chandra X-Ray Center

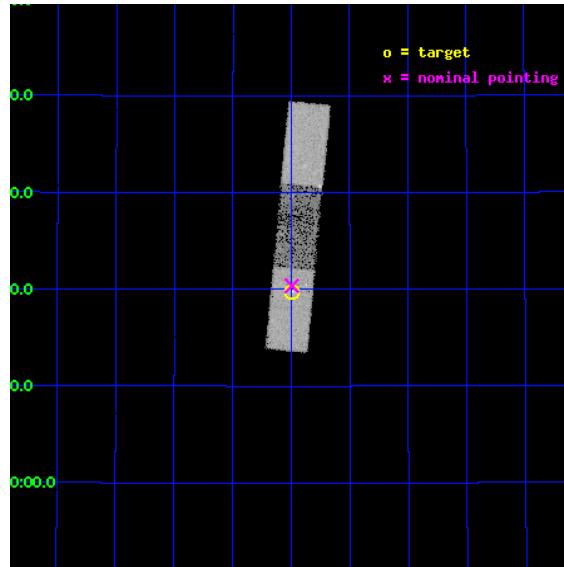
L2 Processing Date : Sep 18 2012

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1 Front

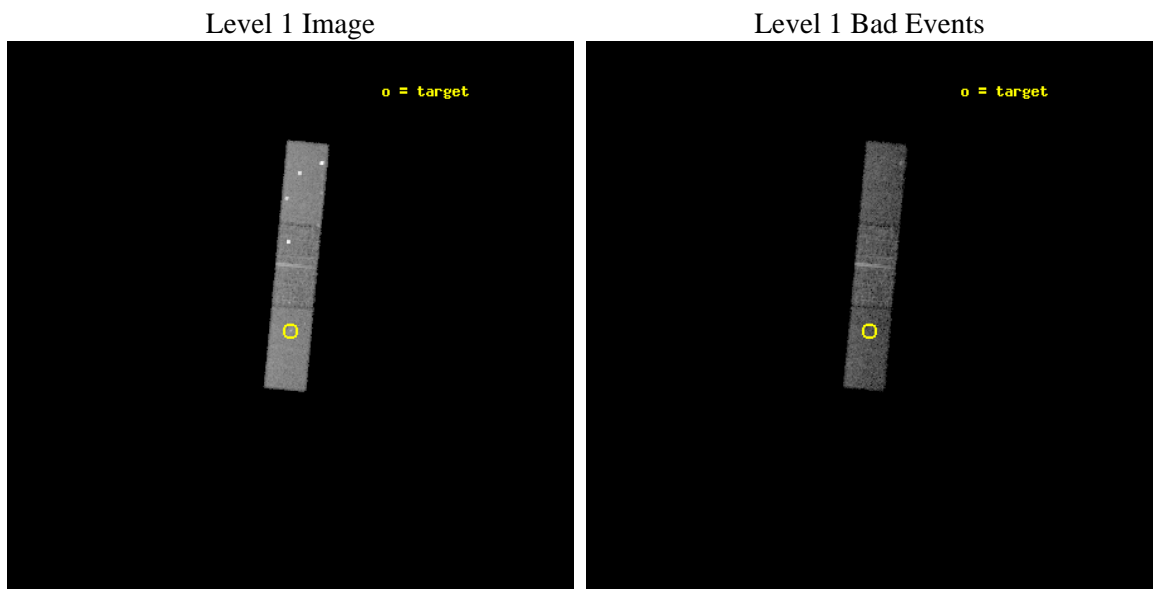
seq_num	700381	Sequence number
obs_id	2191	Observation id
title	HUNTING THE AGN CORES AND JETS IN FRI RADIO GALAXIES	Proposal titl
observer	Prof Diana Worrall	Principal investigator
object	B2 2236+35	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.6225	Observer's specified target RA [deg]
dec_targ	35.329722	Observer's specified target Dec [deg]
ra_nom	339.62352228282	Nominal RA [deg]
dec_nom	35.33945806735	Nominal Dec [deg]
roll_nom	95.38941143646	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10139.199962229	Sum of GTIs [s]
livetime	9885.63346388	Livetime [s]
ontime5	10139.199962229	Sum of GTIs [s]
ontime6	10139.199962229	Sum of GTIs [s]
ontime7	10139.199962229	Sum of GTIs [s]
l2events	43400	Number of level 2 events



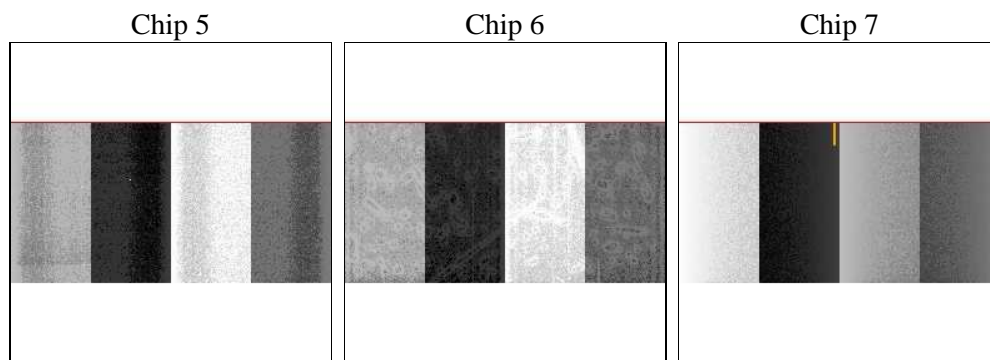
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10139.199962229	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime5	10139.199962229	Sum of GTIs [s]
date	2012-09-18T23:05:43	Date and time of file creation	ontime6	10139.199962229	Sum of GTIs [s]
revision	3	Processing version of data	ontime7	10139.199962229	Sum of GTIs [s]
			l1events	159104	Number of level 1 events

2.1.4 Events

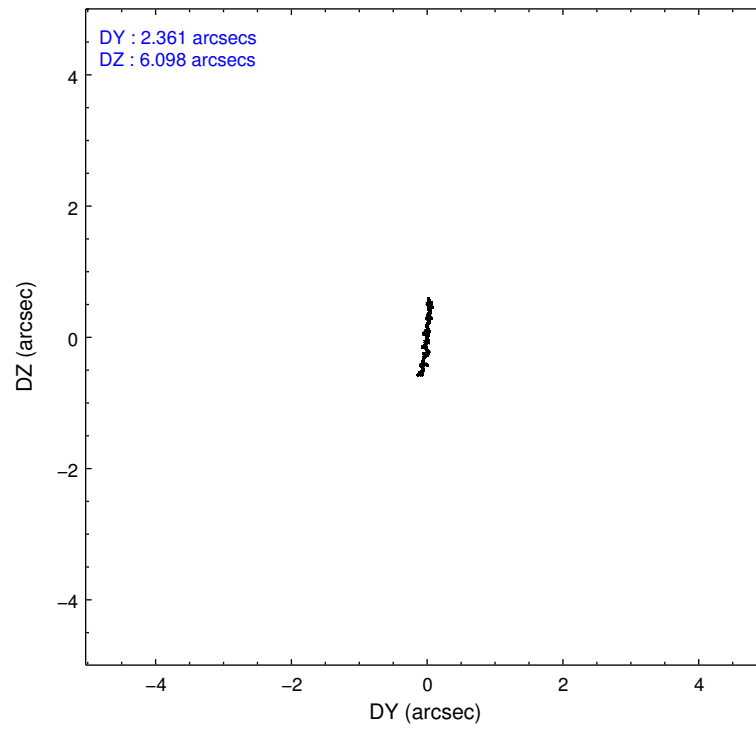
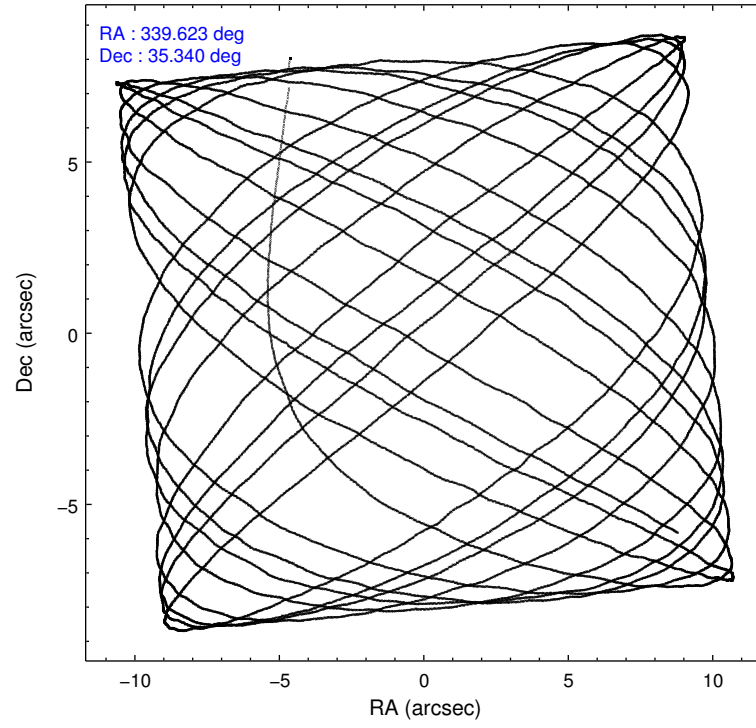
	ccd 5	ccd 6	ccd 7
level 1 events	66285	47118	45701
rejected events	27925	34223	26320
rejected %	42%	72%	57%

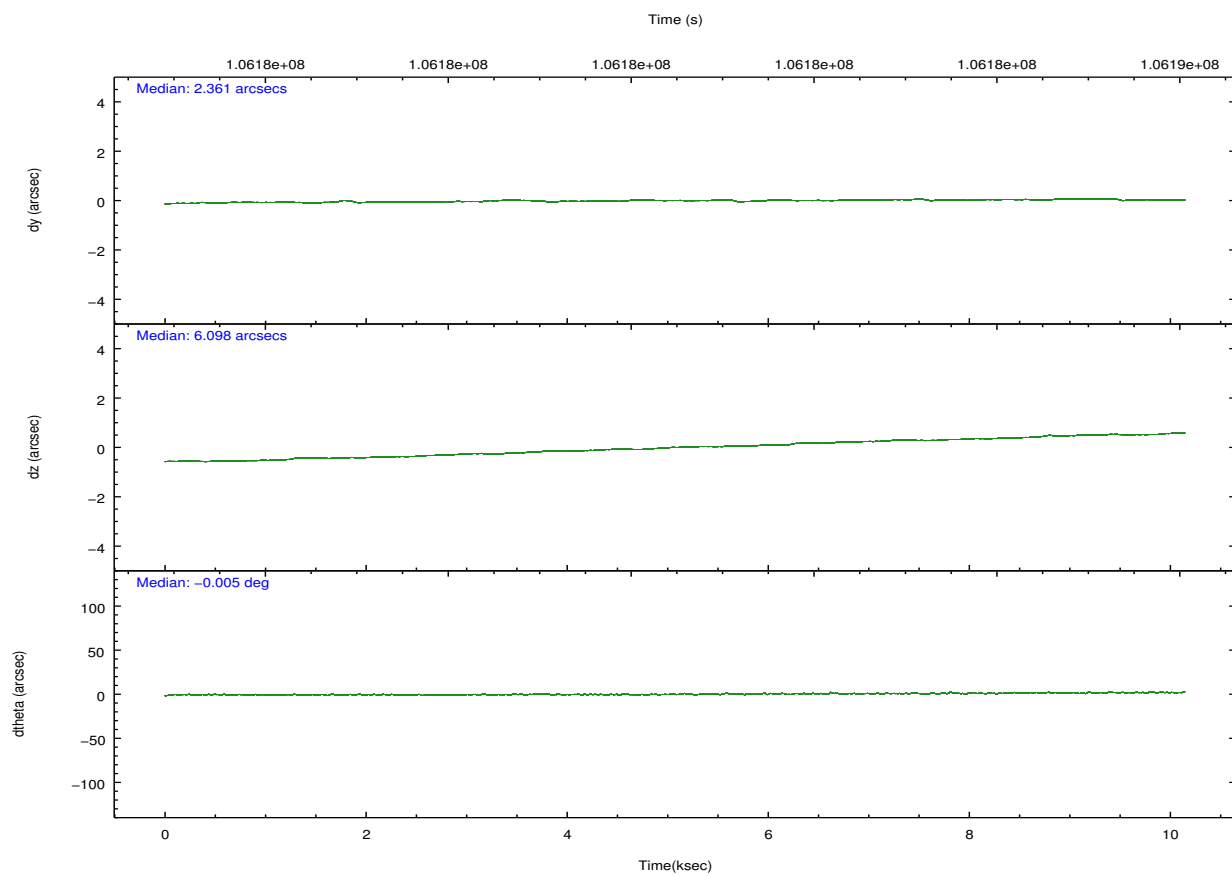
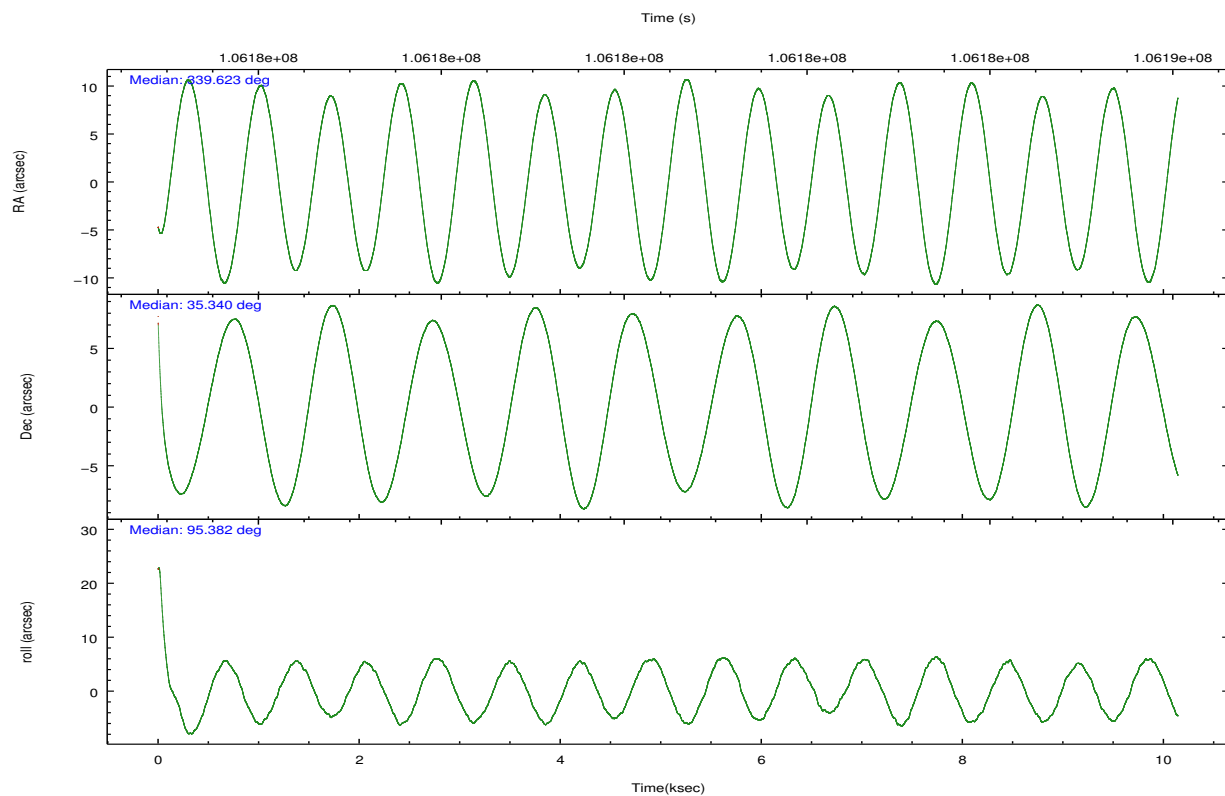
	ccd 5	ccd 6	ccd 7
grade 0 events	14368	10656	2383
	21%	22%	5%
grade 1 events	191	45	36
	0%	0%	0%
grade 2 events	10968	881	4128
	16%	1%	9%
grade 3 events	2072	628	2082
	3%	1%	4%
grade 4 events	1492	532	2025
	2%	1%	4%
grade 5 events	3872	1435	4304
	5%	3%	9%
grade 6 events	11203	807	9636
	16%	1%	21%
grade 7 events	22119	32134	21107
	33%	68%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-567	ACIS-567	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	339.643162	339.6235222828244	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	35.317373	35.33945806735021	Subarray start row	257	257
[deg] Pointing Roll	95.221413	95.38941143646049	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.6
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	106175552.184000	106174582.59467			
Observation start date	2001-05-13T21:11:28	2001-05-13T20:56:22			
[s] Observation end time (MET)	106185552.184000	106185925.24511			
Observation end date	2001-05-13T23:58:08	2001-05-14T00:05:25			
Read mode	TIMED	TIMED			

2.3 Aspect



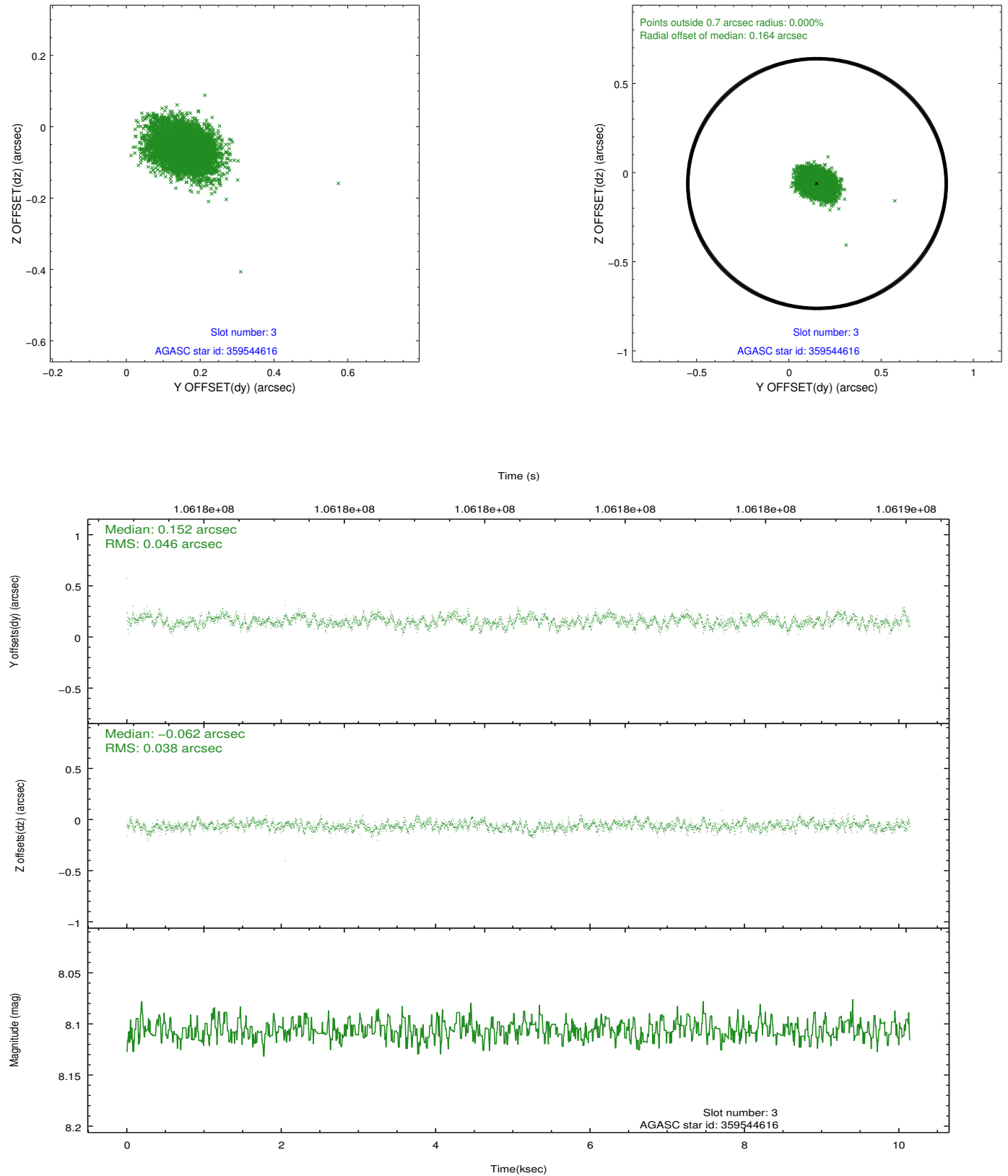


Slot Statistics

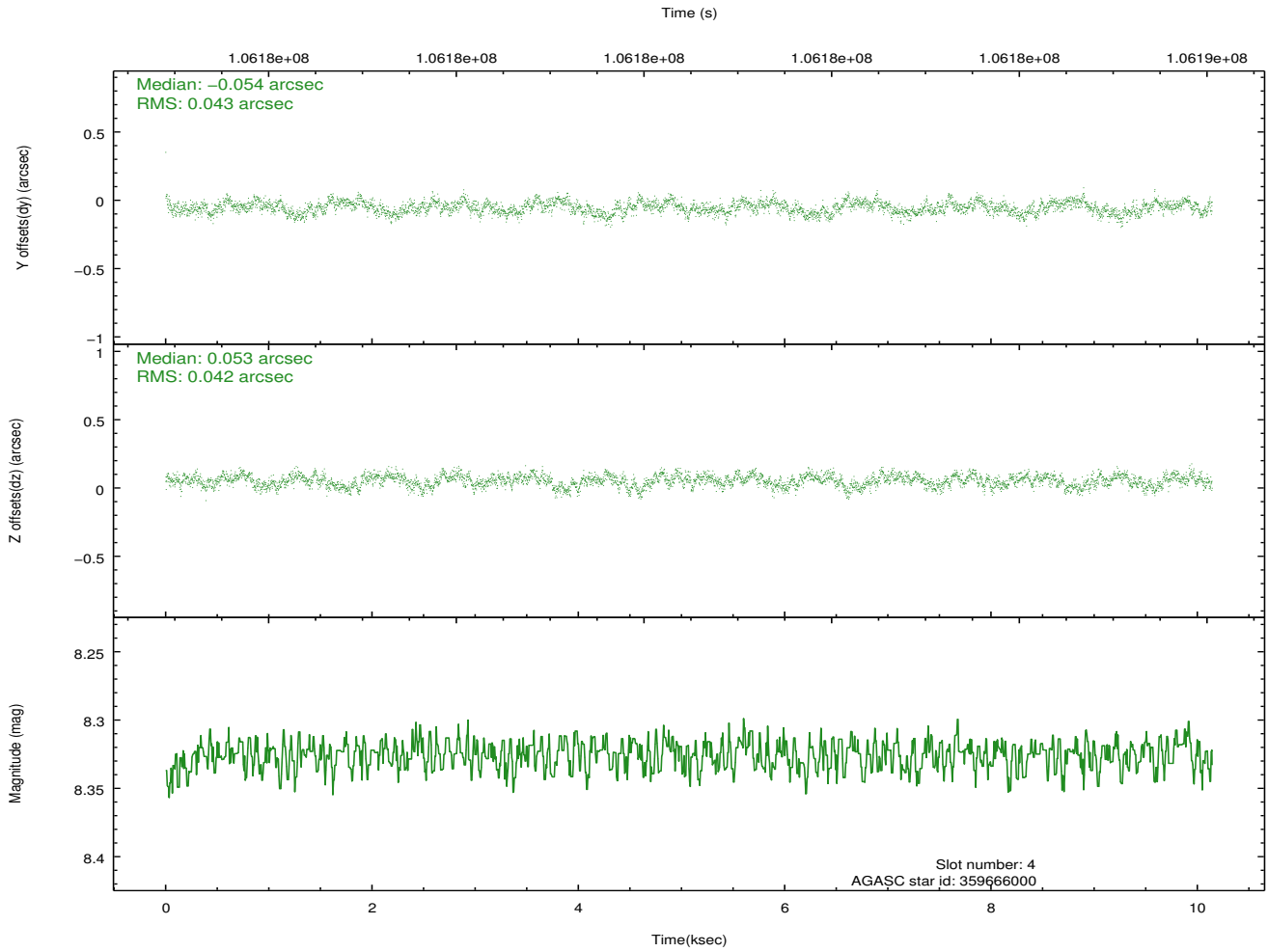
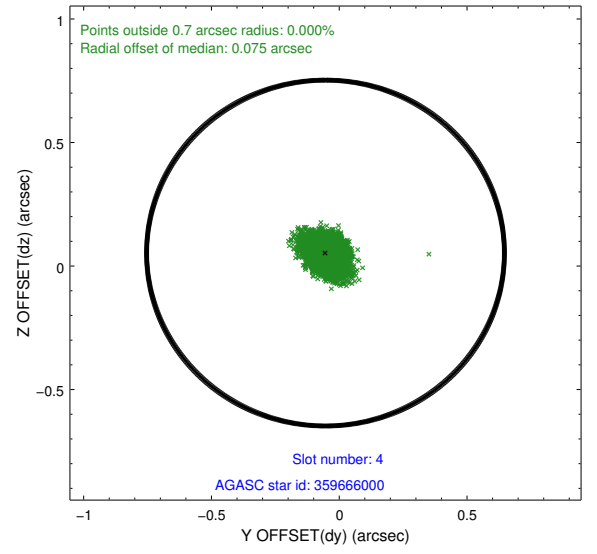
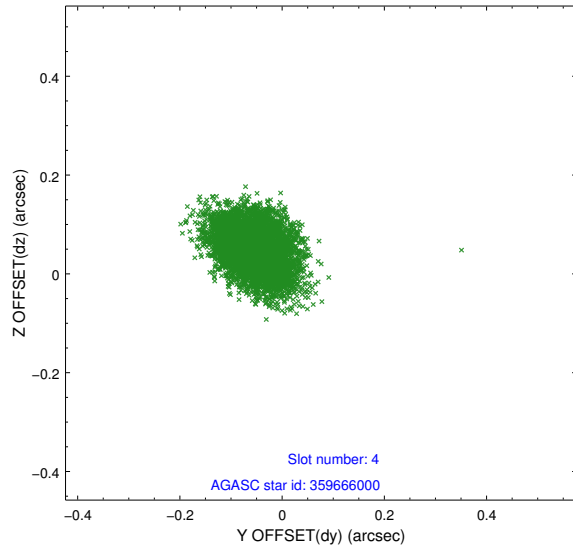
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2475	-0.037	-0.004	0.008	0.013	0.000000	0.000000	-754.97	-1727.24
1	FID	ACIS-S-4	7.20	2475	-0.031	0.019	0.007	0.014	0.000000	0.000000	2158.04	180.78
2	FID	ACIS-S-5	7.24	2475	0.037	-0.006	0.007	0.011	0.000000	0.000000	-1807.11	174.94
3	GUIDE	359544616	8.11	4948	0.152	-0.062	0.062	0.102	339.312307	34.927880	-1306.32	1099.37
4	GUIDE	359666000	8.32	4948	-0.054	0.053	0.064	0.102	340.073033	35.557796	749.54	-1332.76
5	GUIDE	359539912	8.42	4945	0.066	-0.082	0.057	0.092	339.215941	35.135986	-533.50	1310.92
6	GUIDE	359539224	8.32	4949	-0.014	0.003	0.051	0.086	339.681867	35.512031	687.05	-176.74
7	GUIDE	360061328	8.86	4947	-0.151	0.091	0.064	0.103	339.634350	35.906085	2112.50	-167.33

2.4 Star Slots

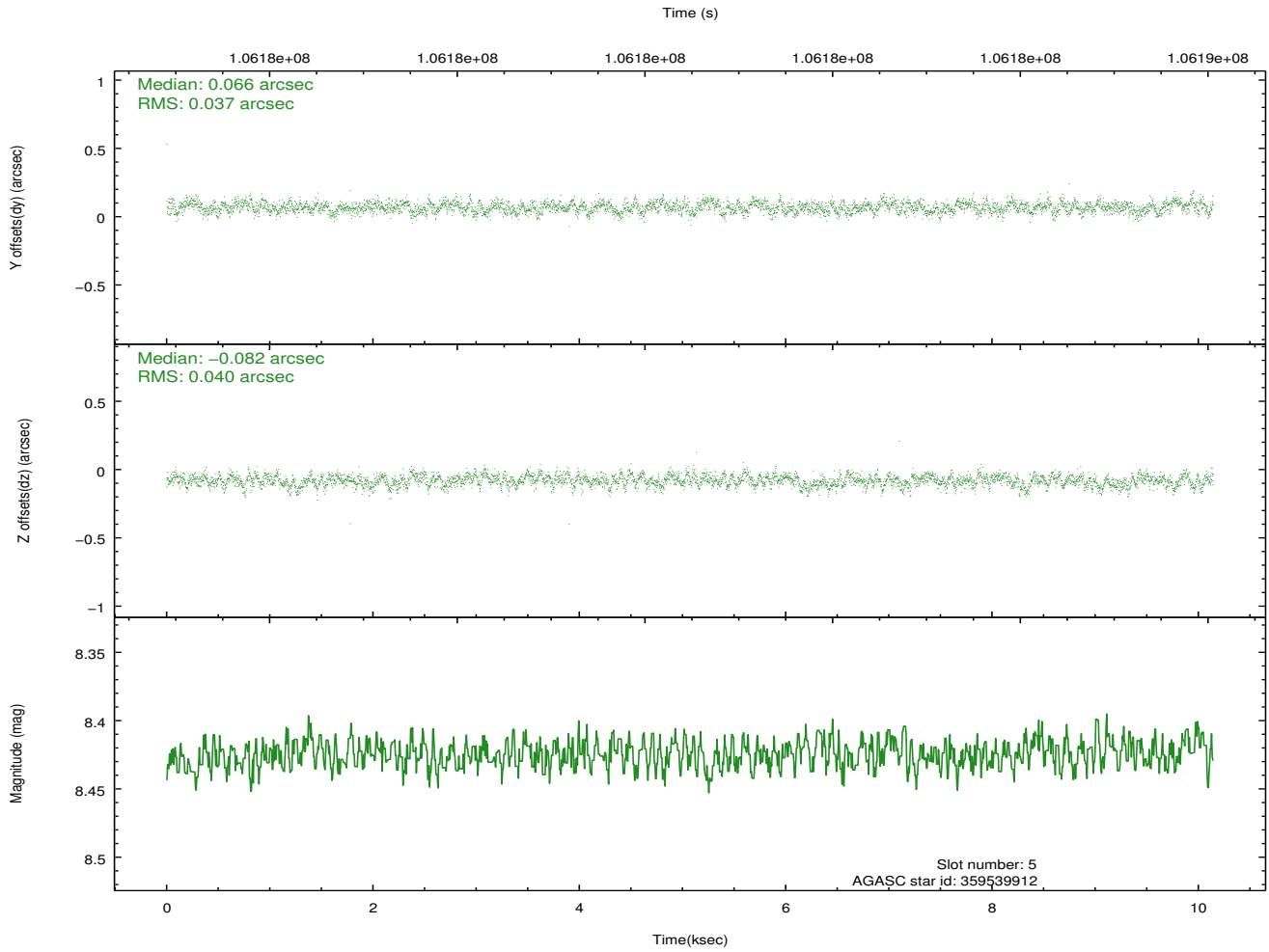
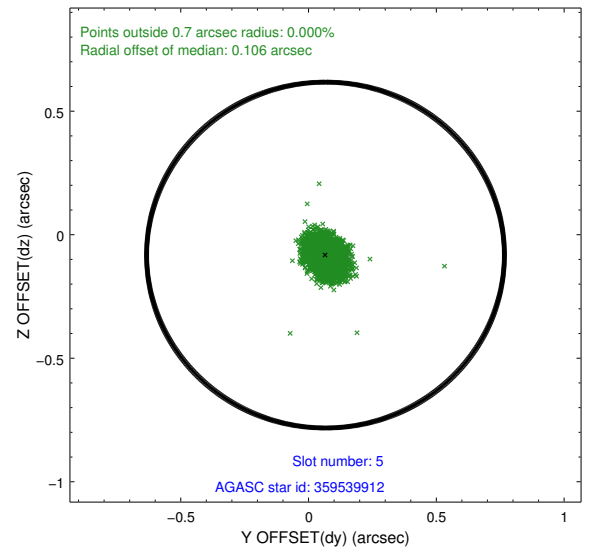
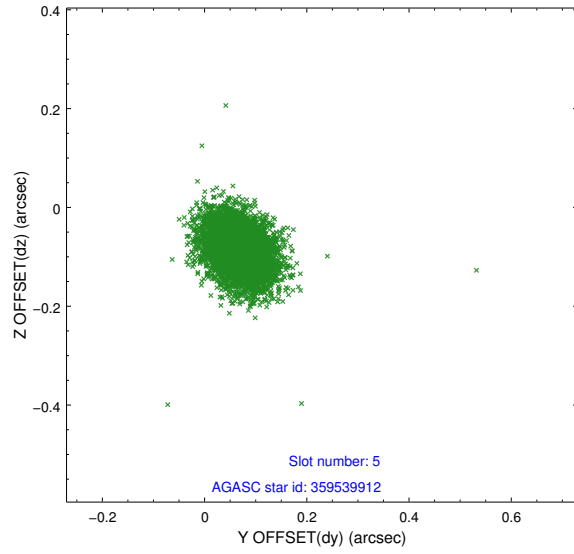
2.4.1 Slot 3



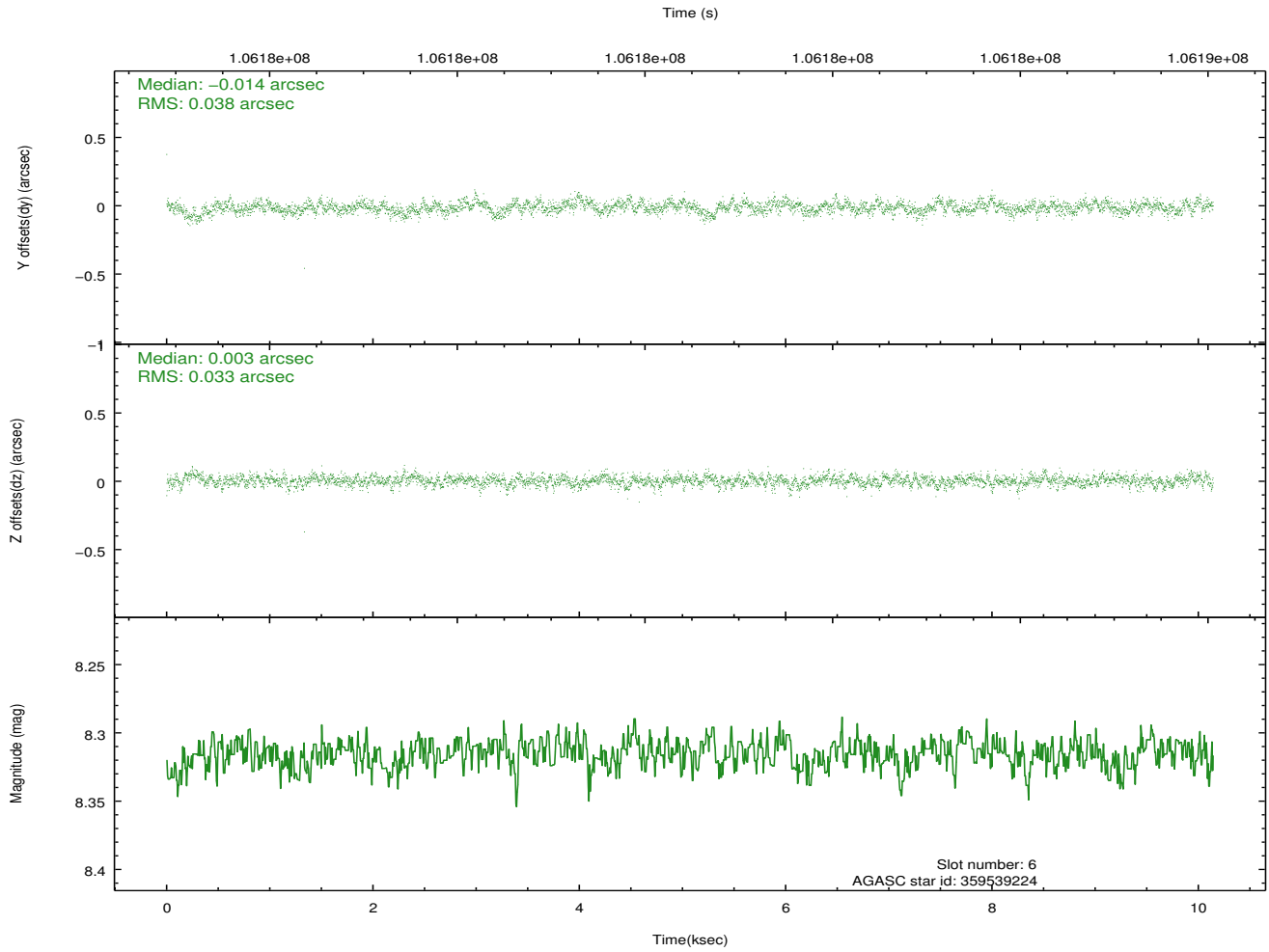
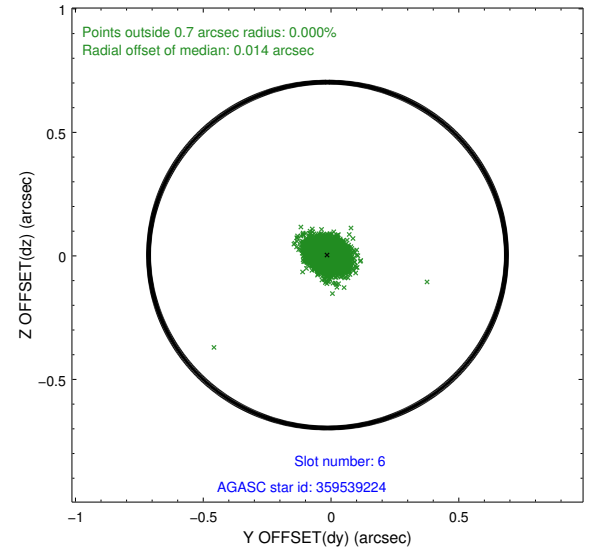
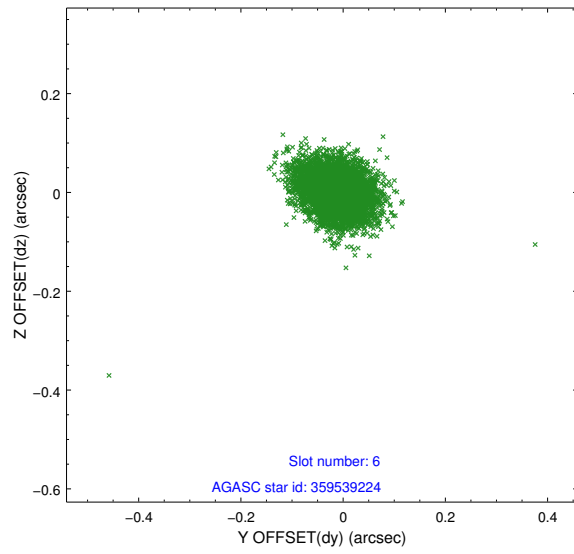
2.4.2 Slot 4



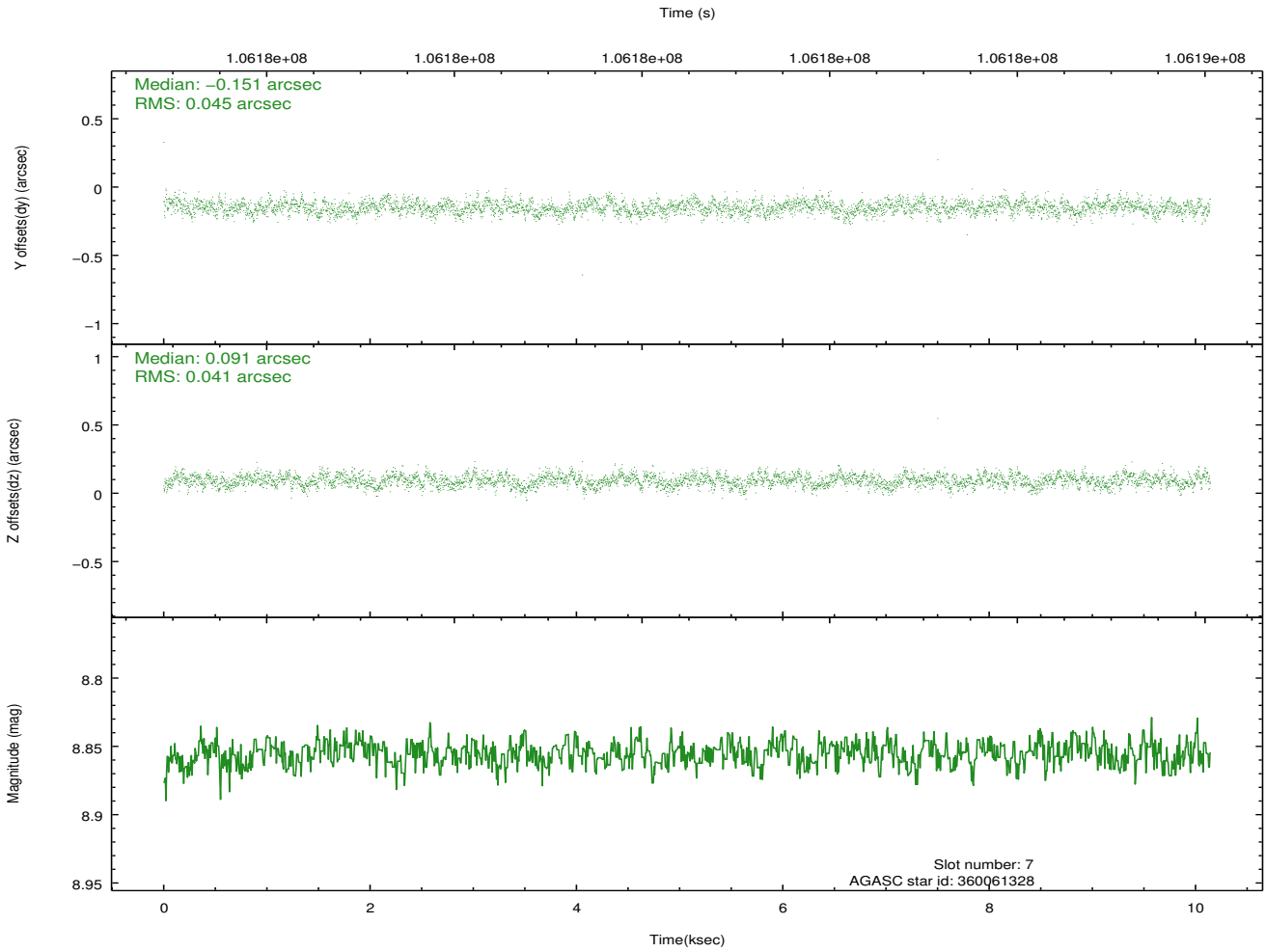
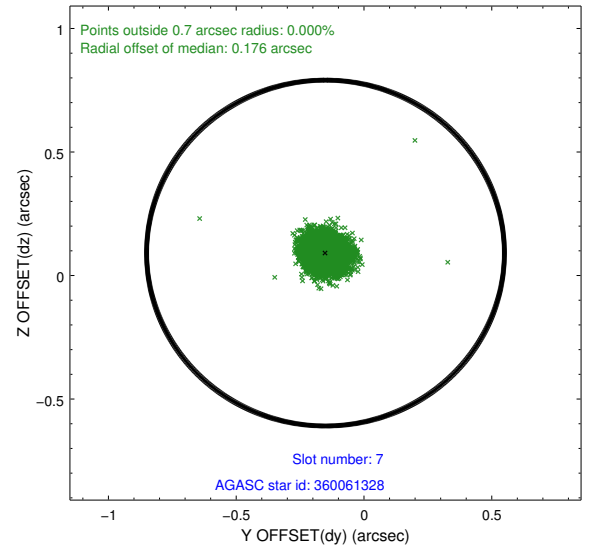
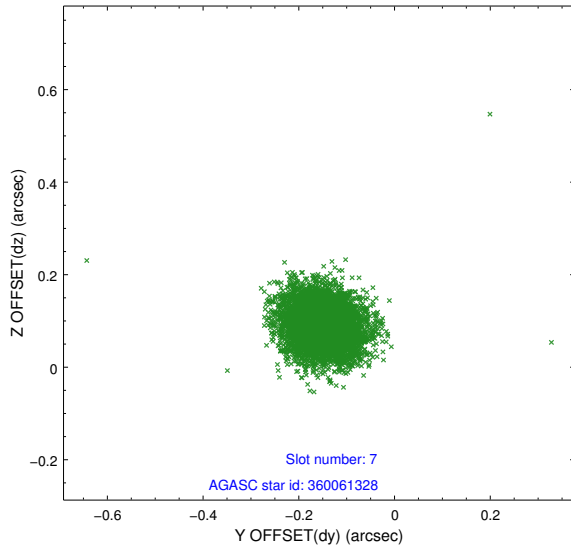
2.4.3 Slot 5



2.4.4 Slot 6

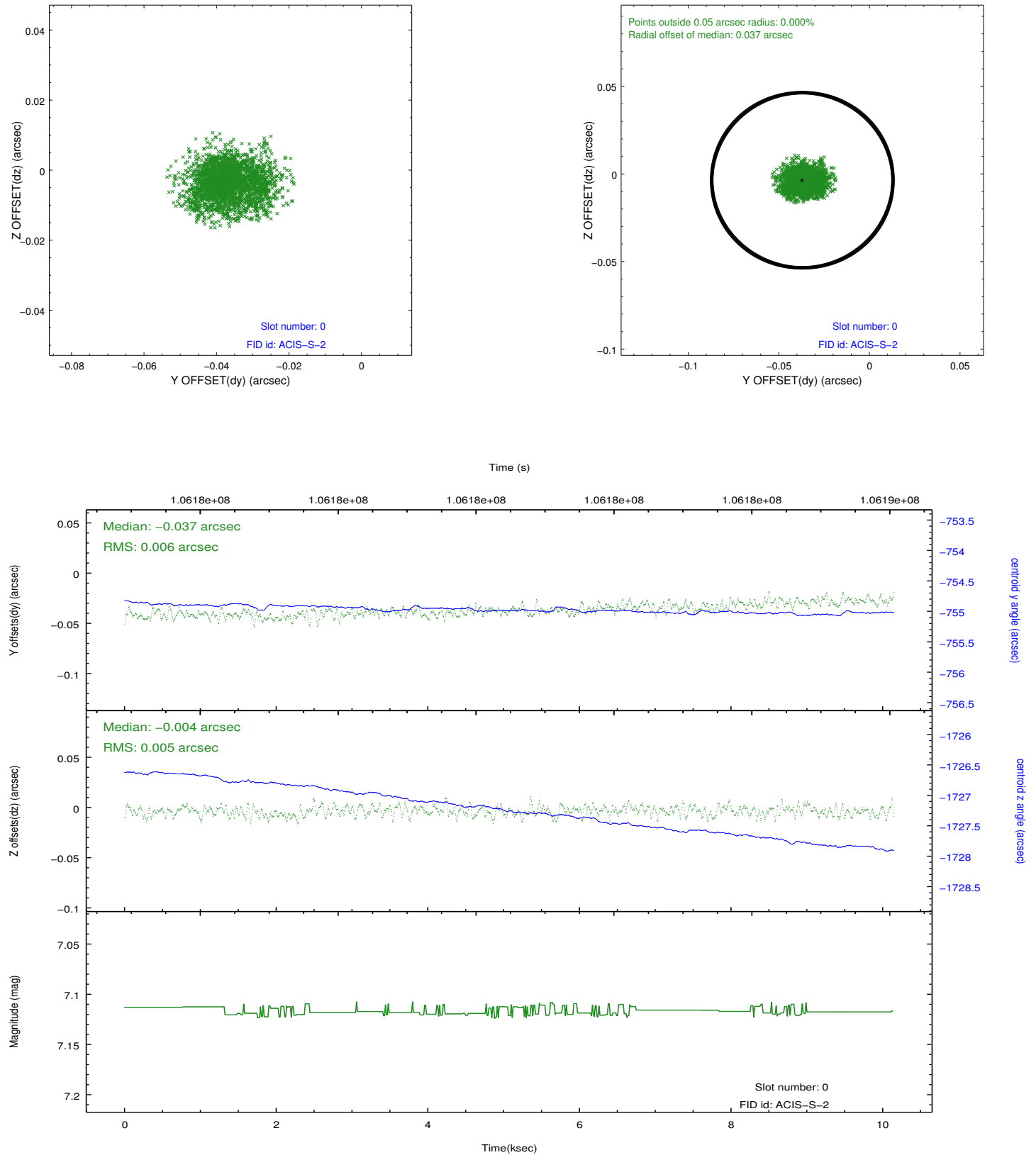


2.4.5 Slot 7

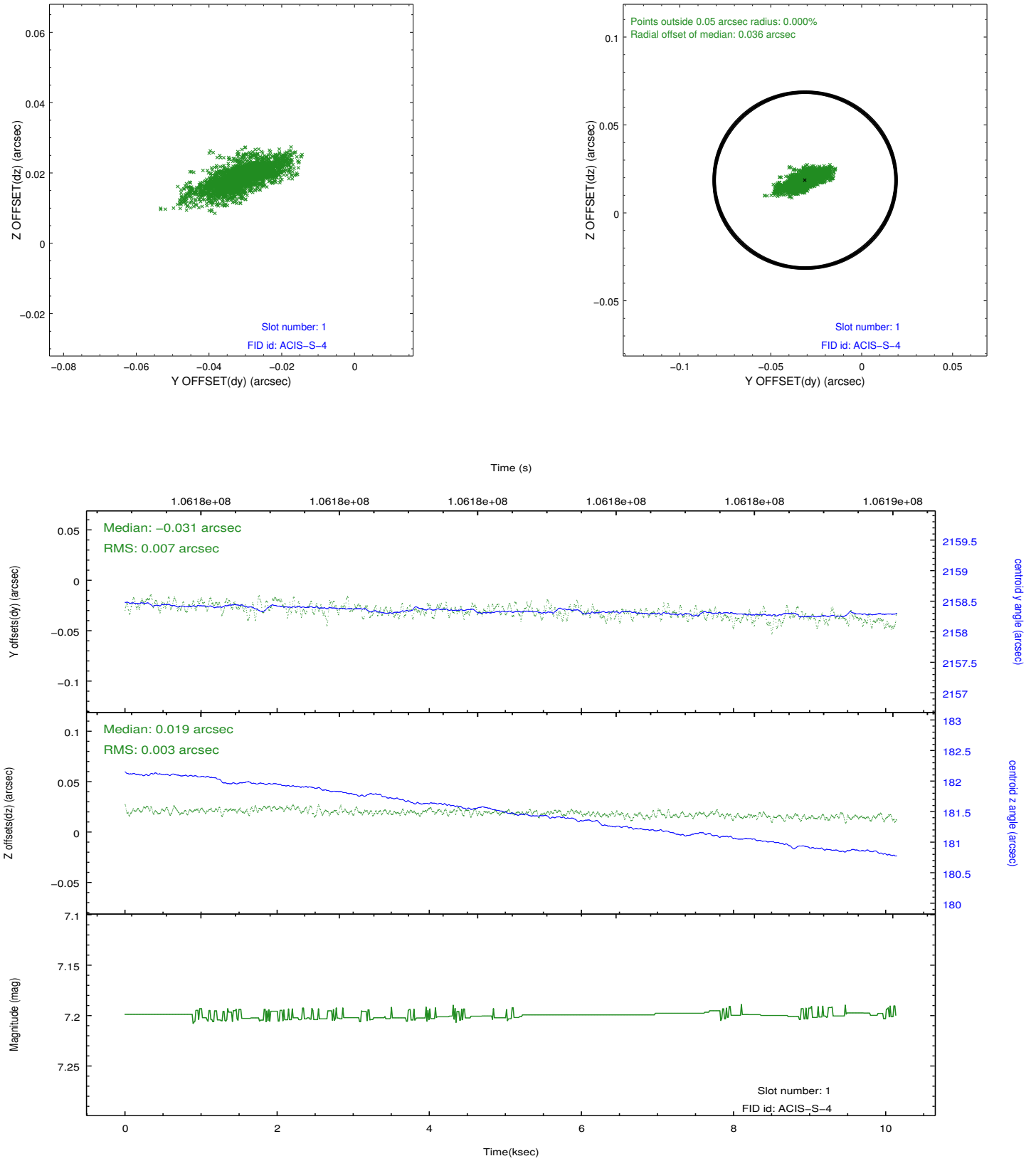


2.5 FID Slots

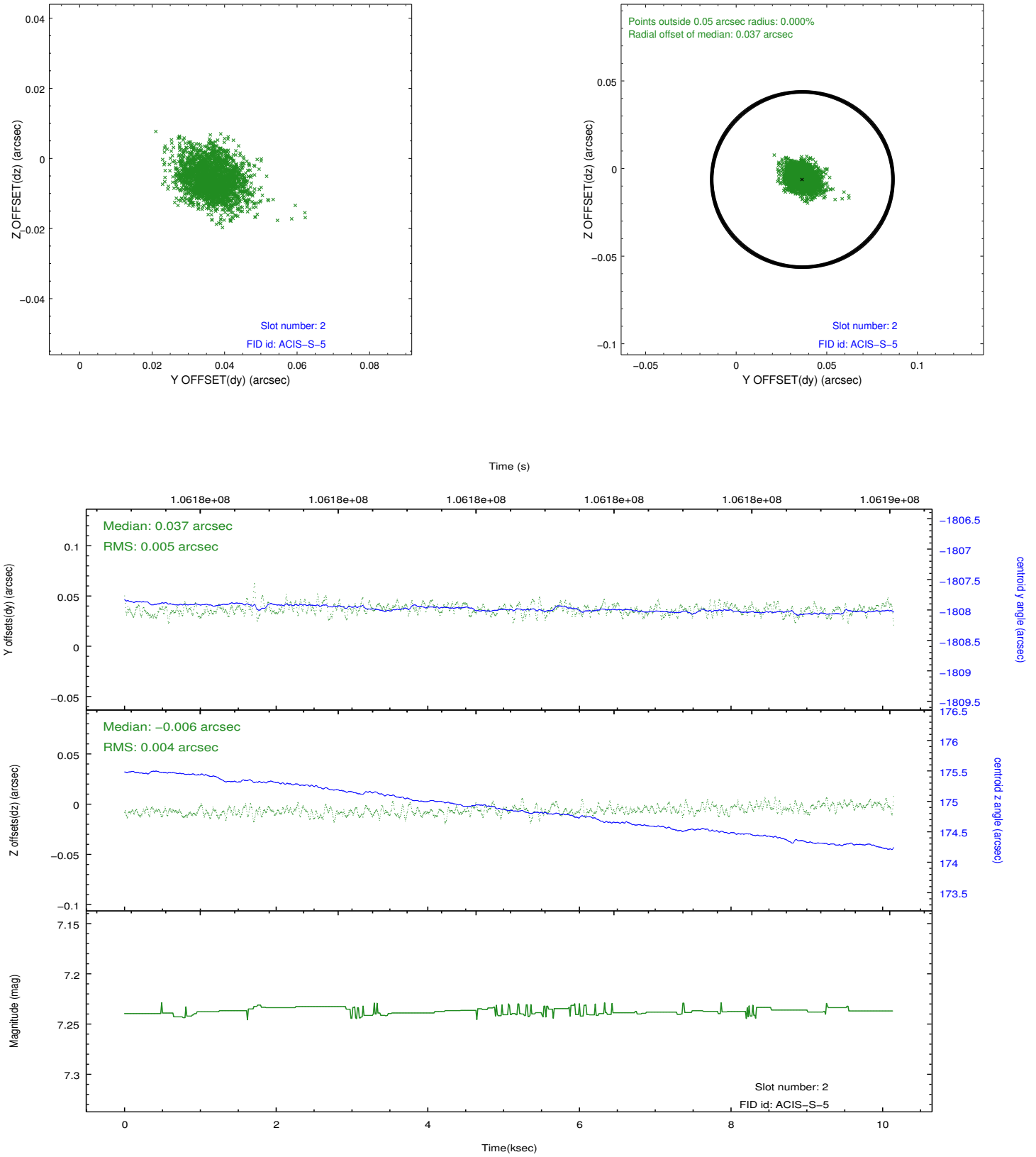
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.14

A.2 Comments