

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3975 - L2 Version 4
Chandra X-Ray Center

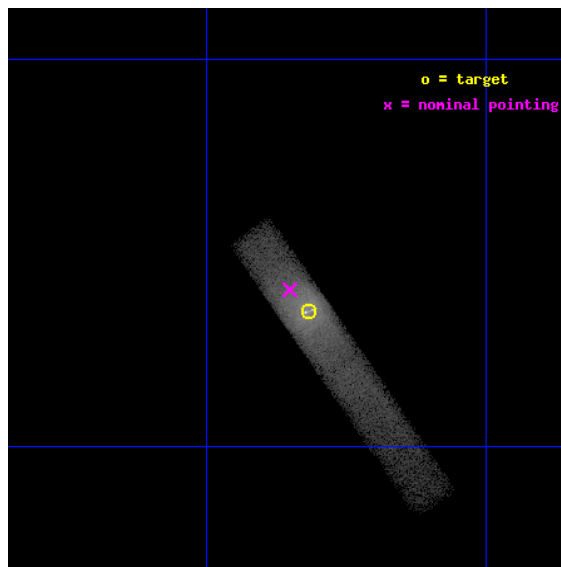
L2 Processing Date : Oct 17 2012

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1 Front

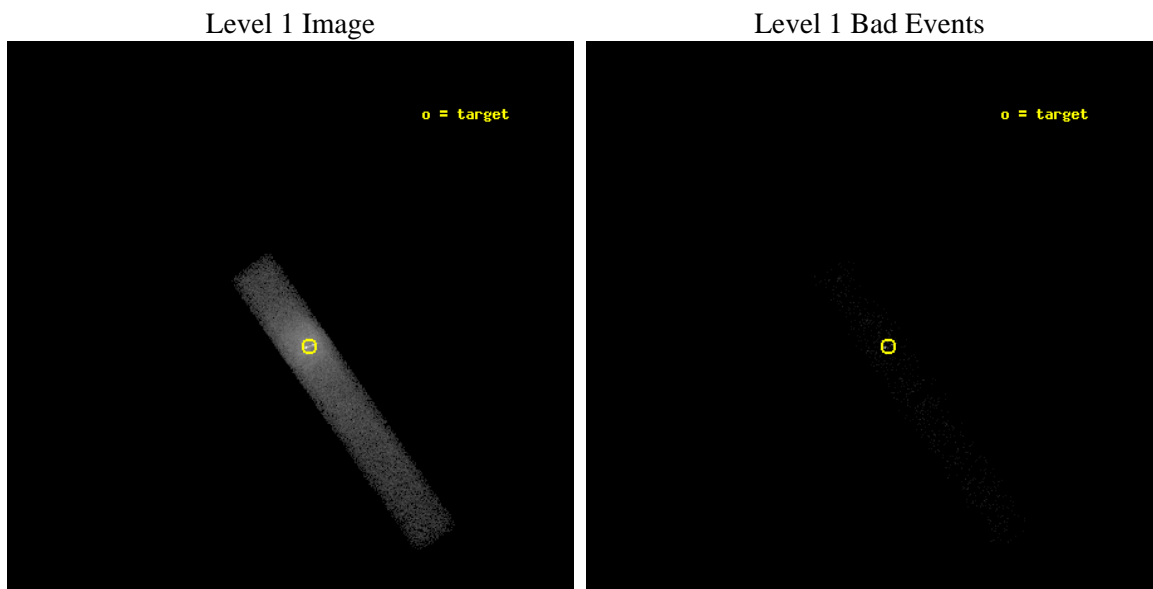
seq_num	700654	Sequence number
obs_id	3975	Observation id
title	X-RAY VARIABILITY IN THE JET AND CORE OF M87	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.71282017001	Nominal RA [deg]
dec_nom	12.400916844716	Nominal Dec [deg]
roll_nom	55.26268476289	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5829.915466845	Sum of GTIs [s]
livetime	5287.4256002585	Livetime [s]
ontime7	5829.915466845	Sum of GTIs [s]
l2events	67501	Number of level 2 events



2 OBI

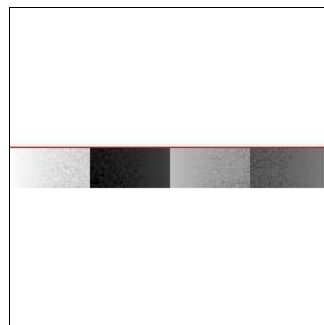
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5829.915466845	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5829.915466845	Sum of GTIs [s]
date	2012-10-17T11:57:24	Date and time of file creation	l1events	72743	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

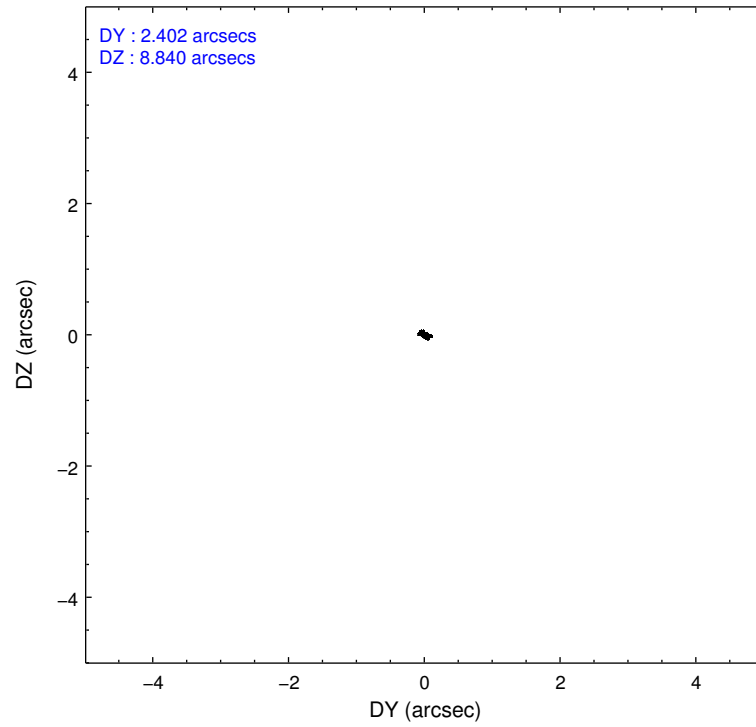
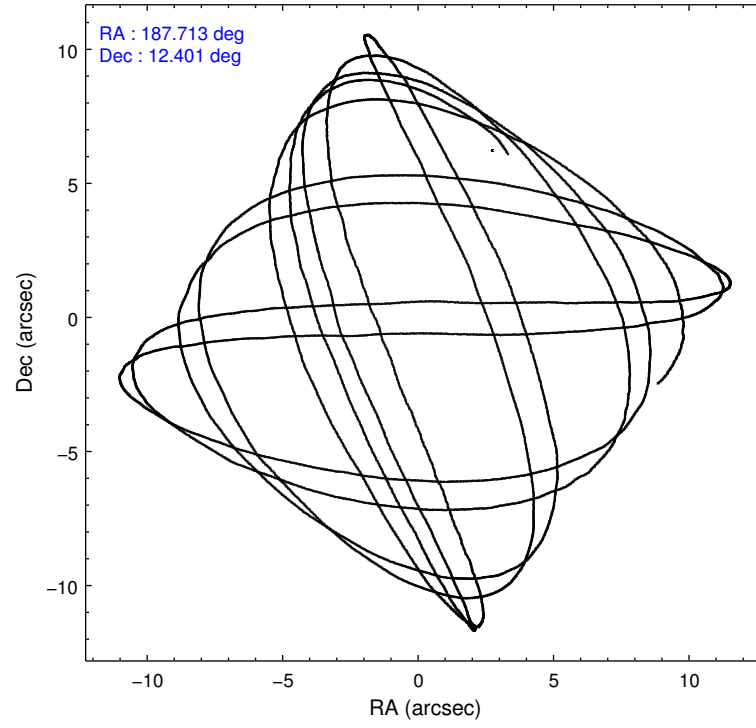
	ccd 7
level 1 events	72743
rejected events	4463
rejected %	6%

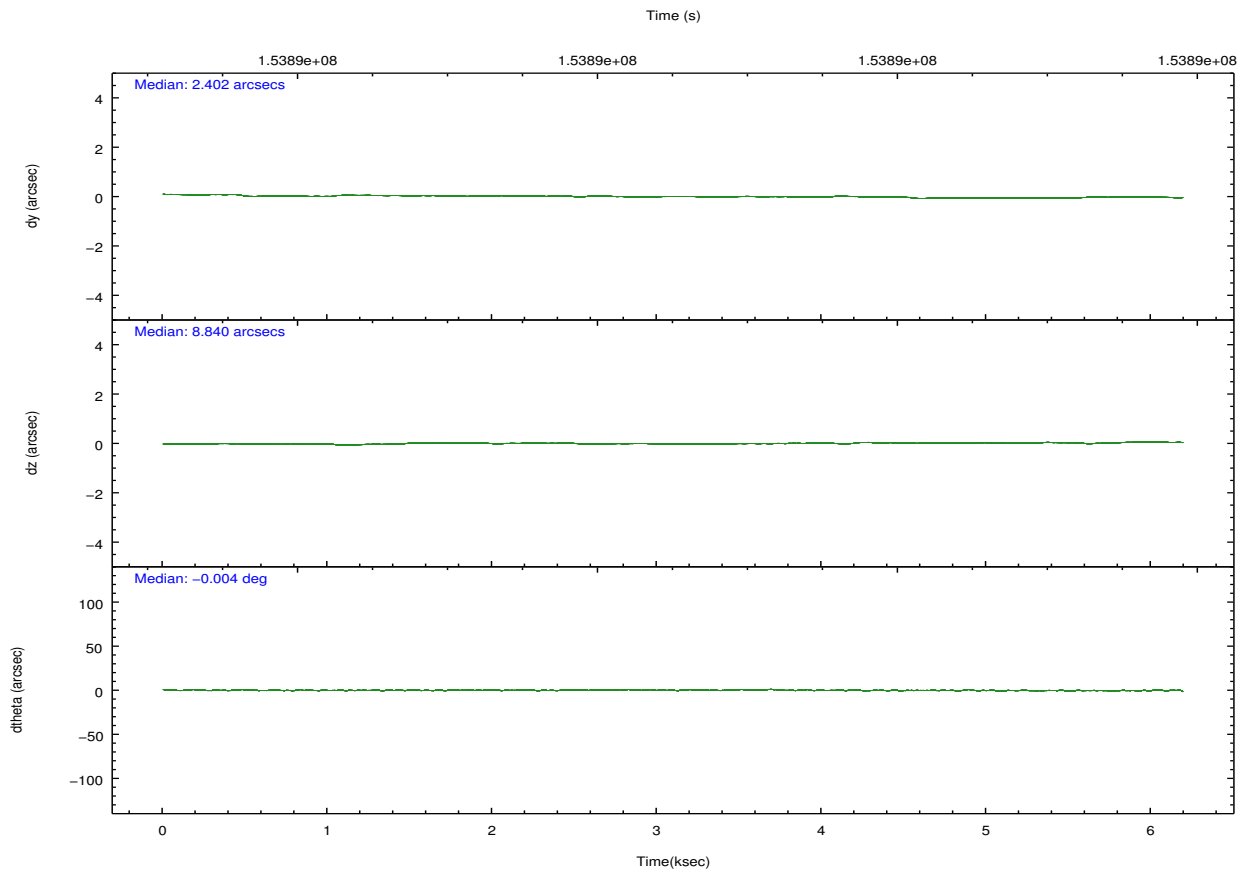
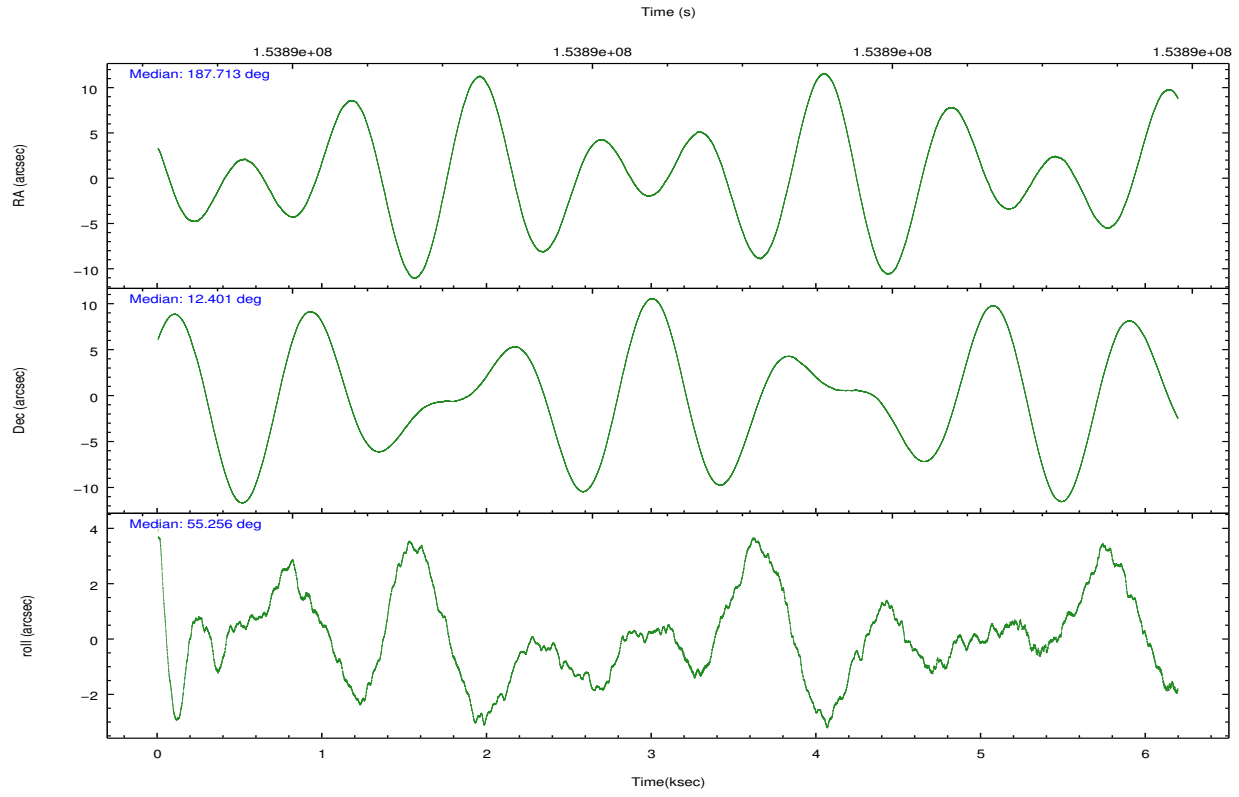
	ccd 7
grade 0 events	22513
	30%
grade 1 events	120
	0%
grade 2 events	17579
	24%
grade 3 events	8036
	11%
grade 4 events	8052
	11%
grade 5 events	1155
	1%
grade 6 events	12113
	16%
grade 7 events	3175
	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	187.710885	187.7128201700146	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.373682	12.40091684471635	Subarray start row	449	449
[deg] Pointing Roll	55.106481	55.26268476288983	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	153888606.184000	153887139.36798			
Observation start date	2002-11-17T02:49:02	2002-11-17T02:25:39			
[s] Observation end time (MET)	153893606.184000	153894066.31827			
Observation end date	2002-11-17T04:12:22	2002-11-17T04:21:06			
Read mode	TIMED	TIMED			

2.3 Aspect



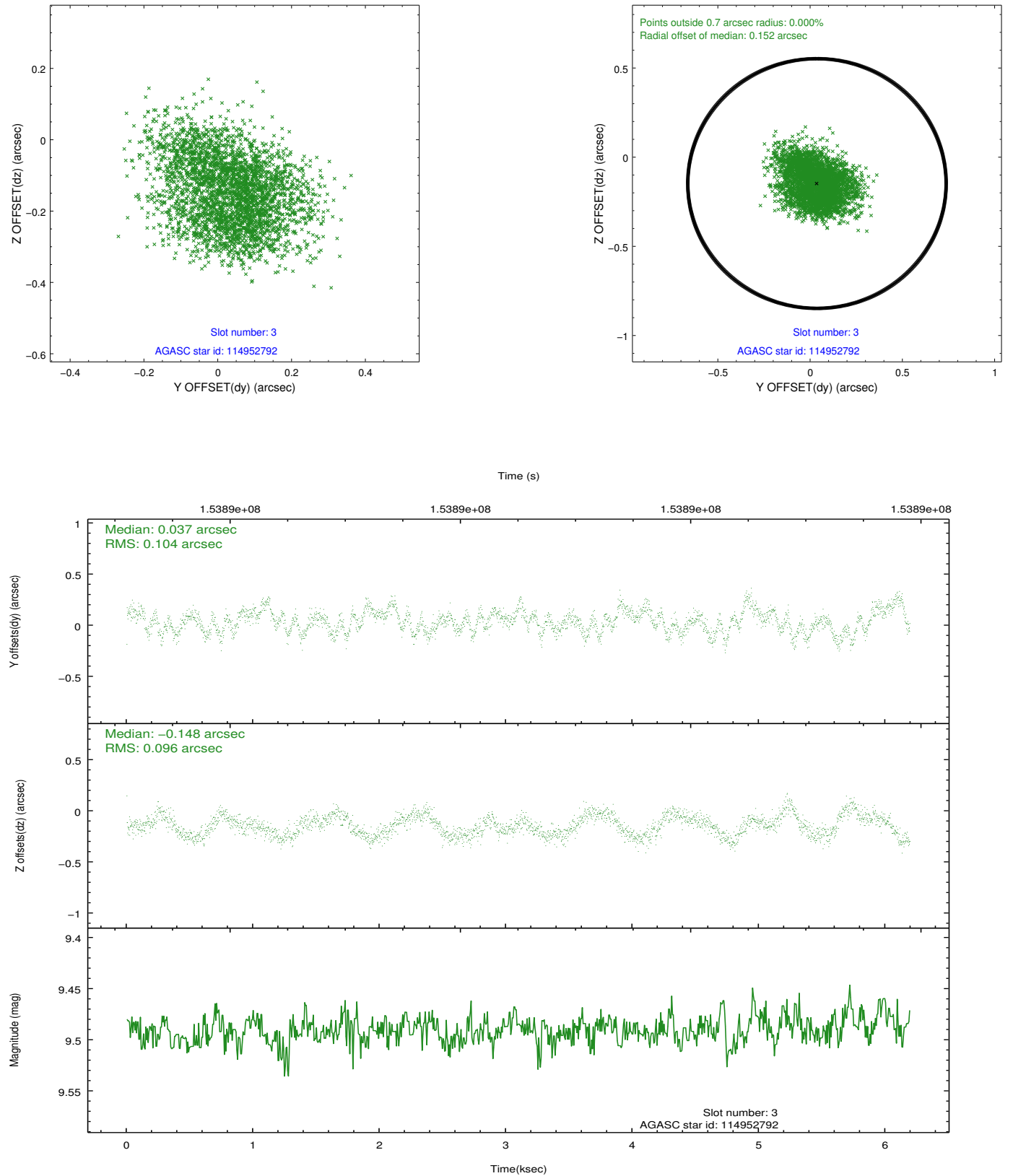


Slot Statistics

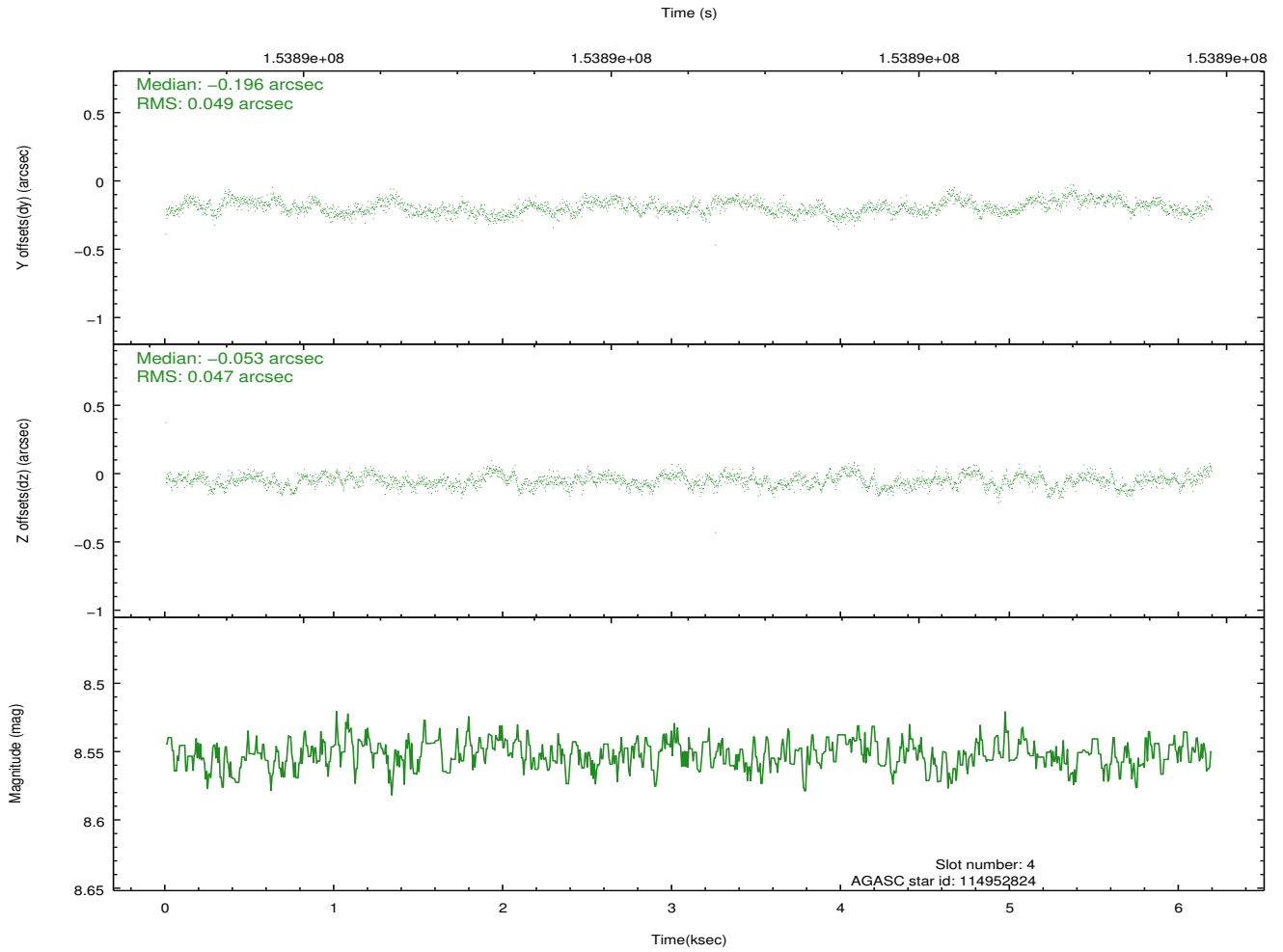
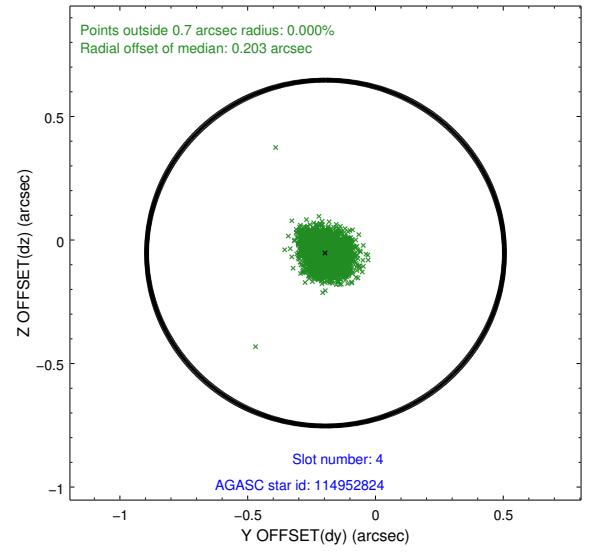
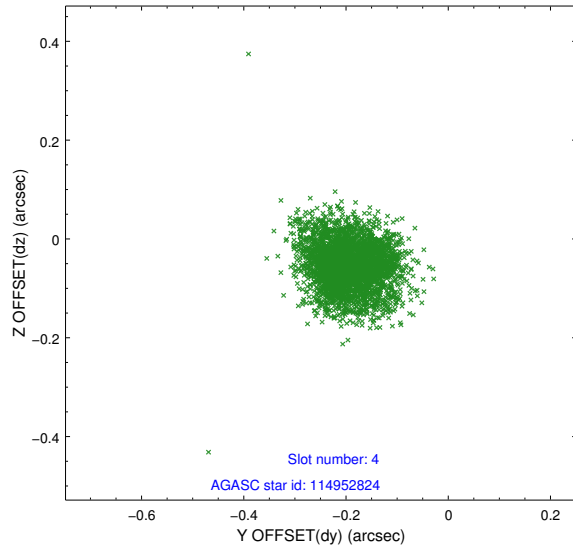
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1511	-0.022	-0.001	0.011	0.025	0.000000	0.000000	-755.05	-1730.06
1	FID	ACIS-S-4	7.20	1510	-0.018	0.011	0.010	0.037	0.000000	0.000000	2157.81	177.45
2	FID	ACIS-S-5	7.23	1511	0.008	-0.001	0.010	0.023	0.000000	0.000000	-1806.64	172.20
3	GUIDE	114952792	9.49	3021	0.037	-0.148	0.153	0.239	187.070263	12.344747	-1372.46	1789.49
4	GUIDE	114952824	8.55	3020	-0.196	-0.053	0.072	0.114	187.703904	12.486727	319.03	253.39
5	GUIDE	114954440	9.21	3021	0.077	-0.218	0.108	0.170	186.915066	12.219118	-2054.76	1979.94
6	GUIDE	114955056	8.33	3022	-0.063	0.231	0.067	0.105	187.914001	12.127854	-317.30	-1091.79
7	GUIDE	114950584	9.18	3021	0.144	0.184	0.073	0.121	187.487323	11.827248	-2063.82	-479.58

2.4 Star Slots

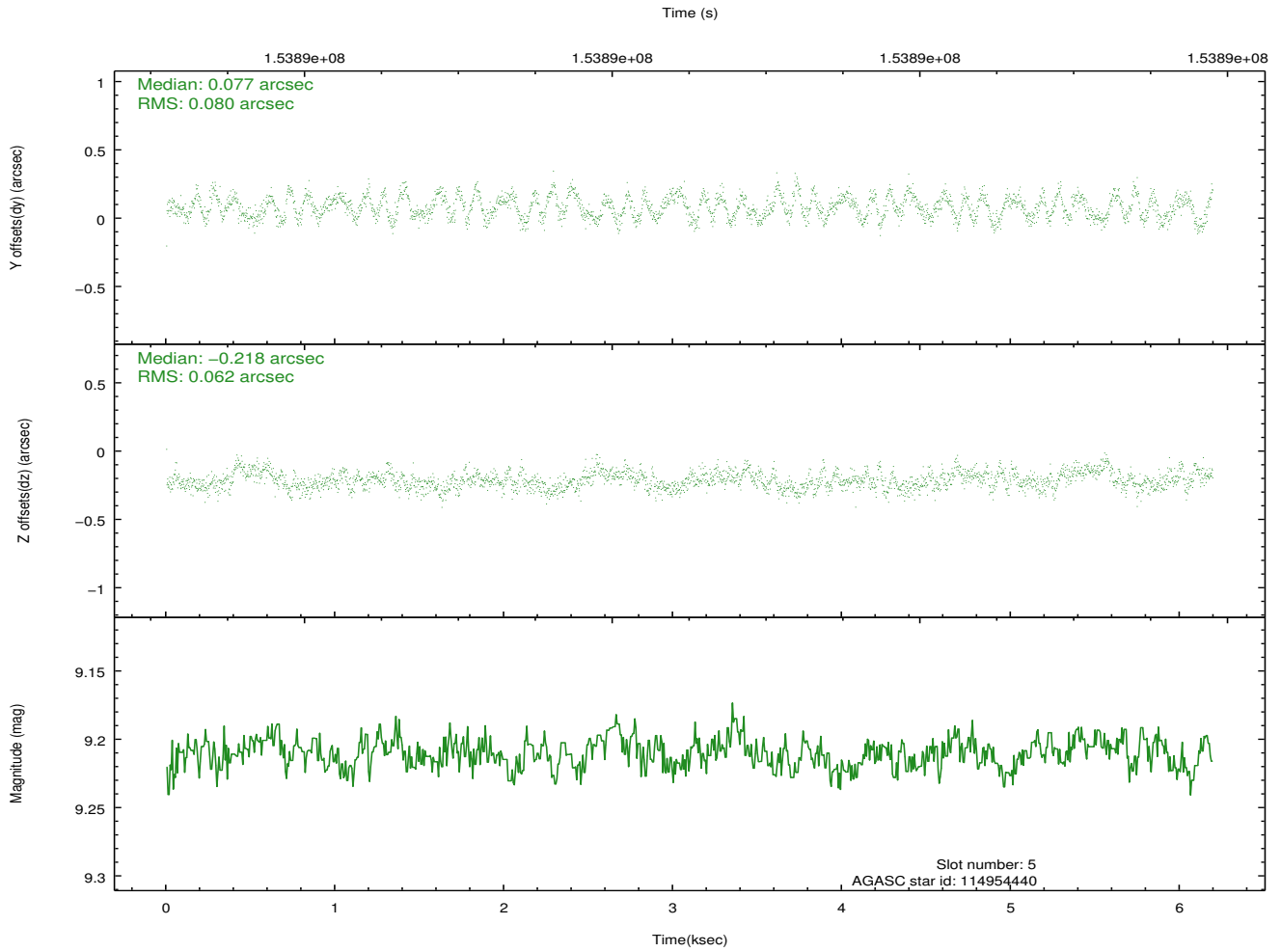
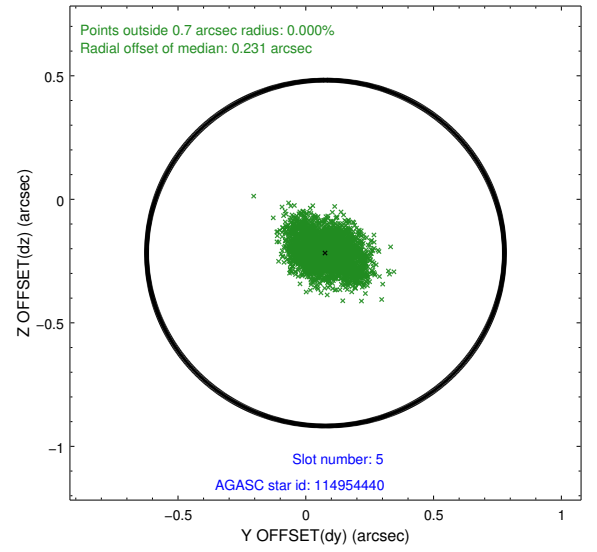
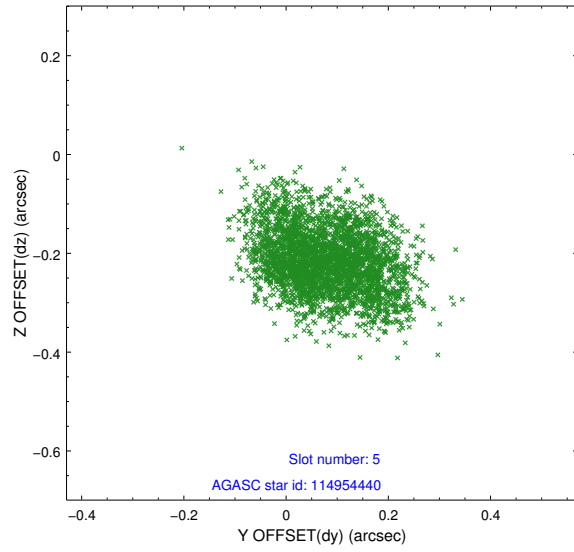
2.4.1 Slot 3



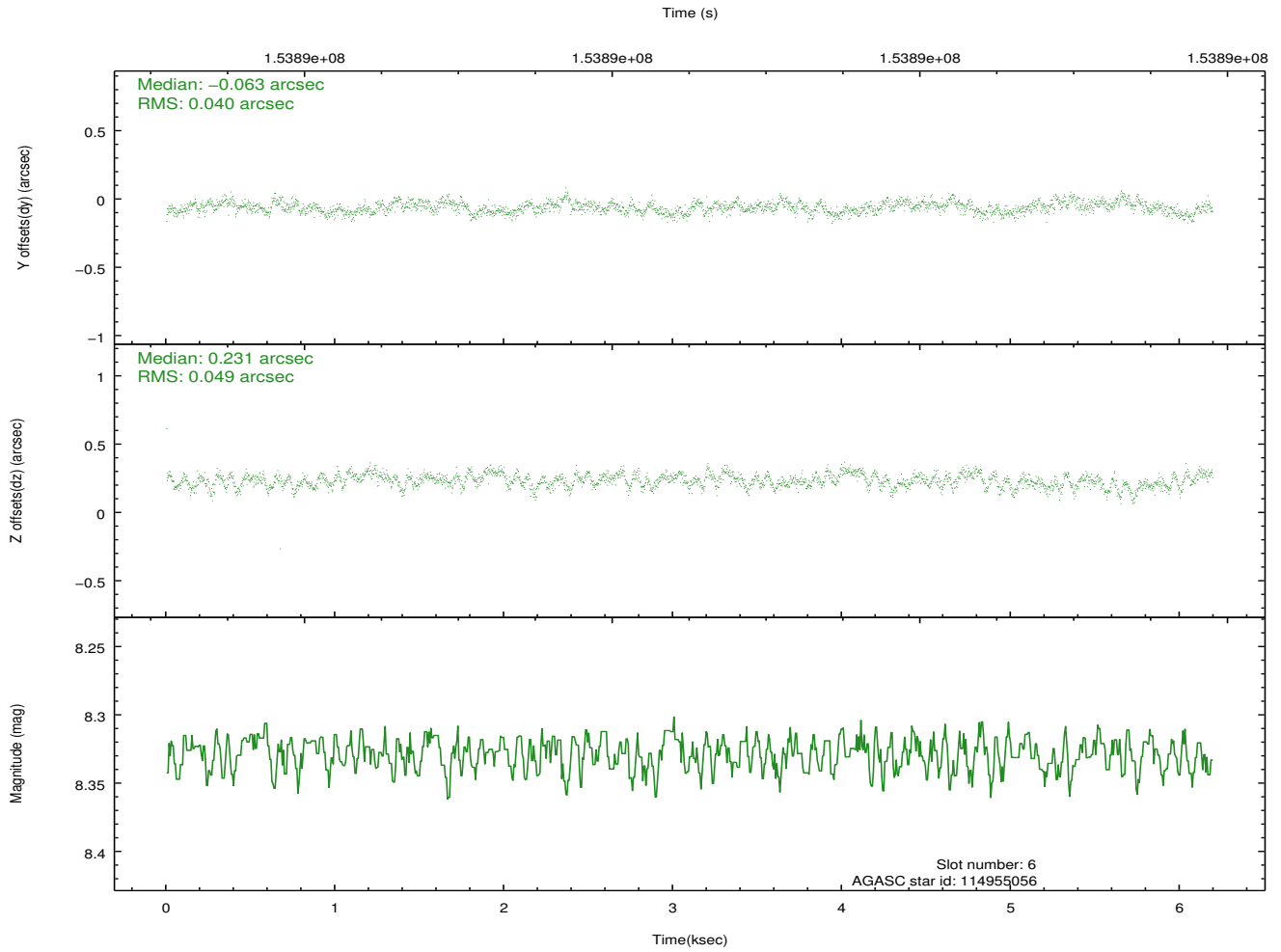
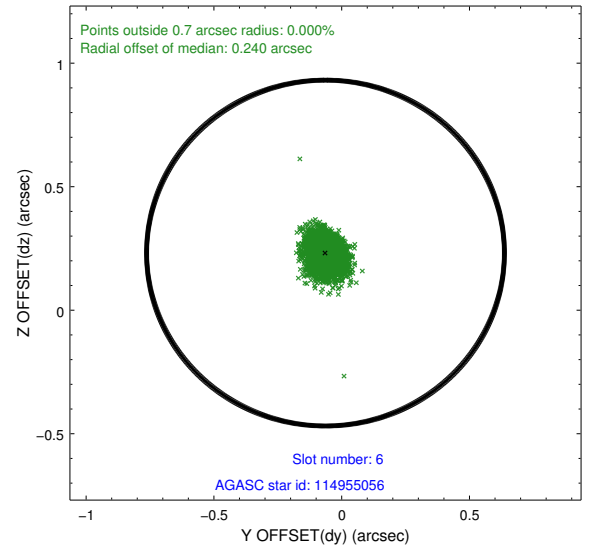
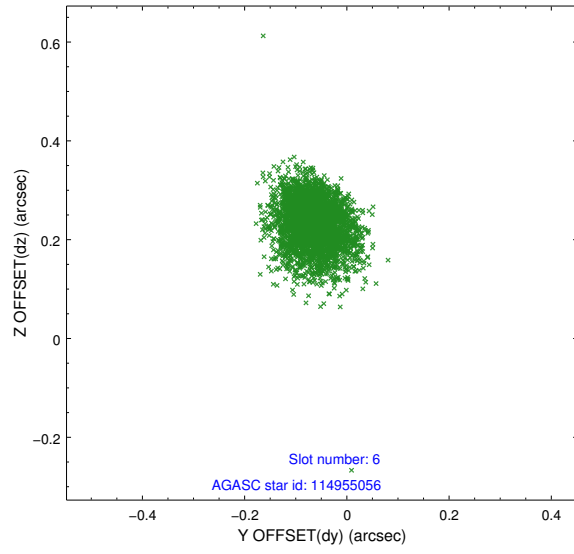
2.4.2 Slot 4



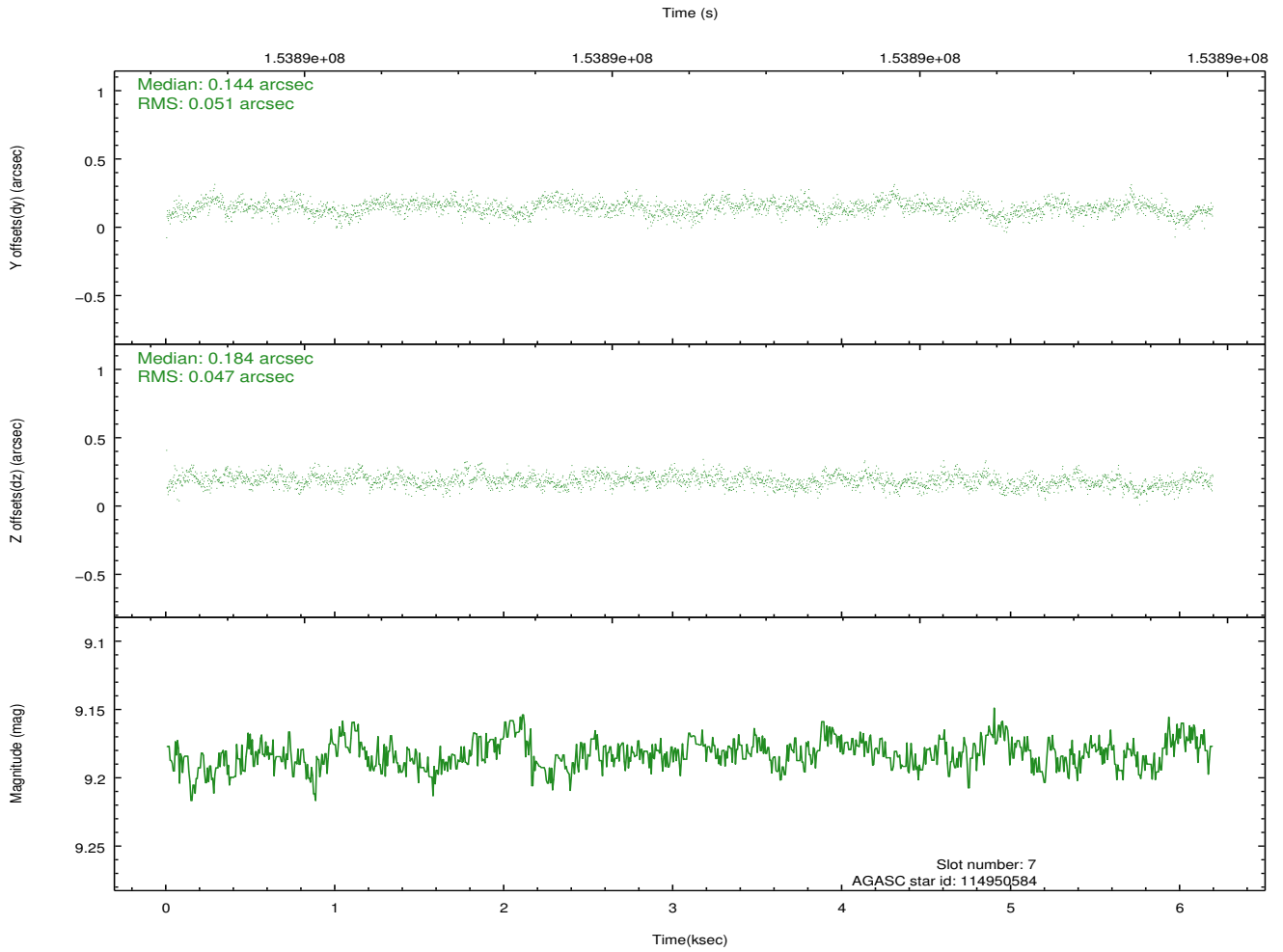
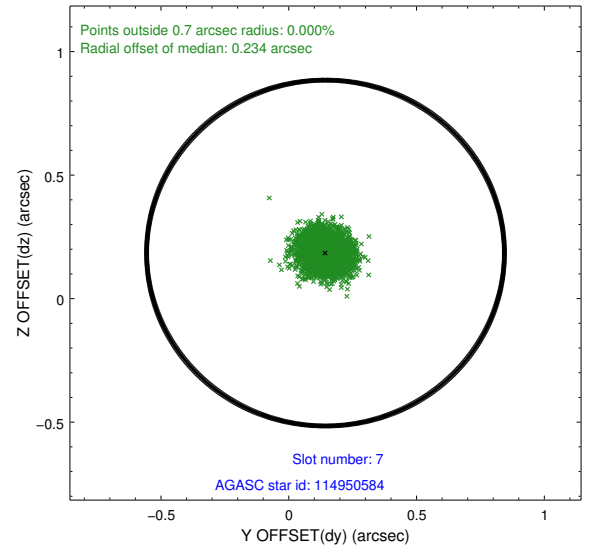
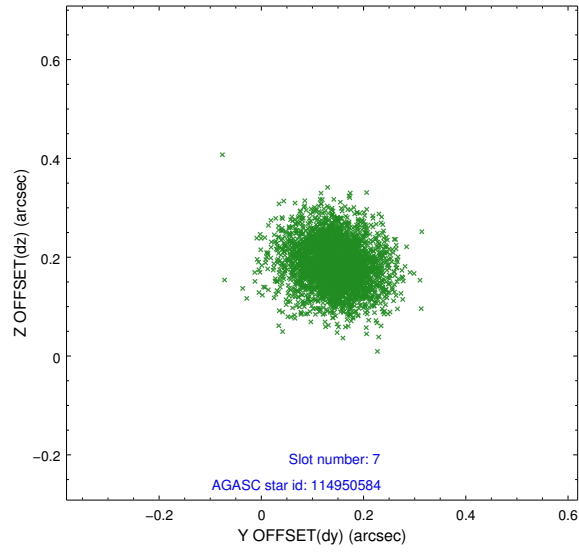
2.4.3 Slot 5



2.4.4 Slot 6

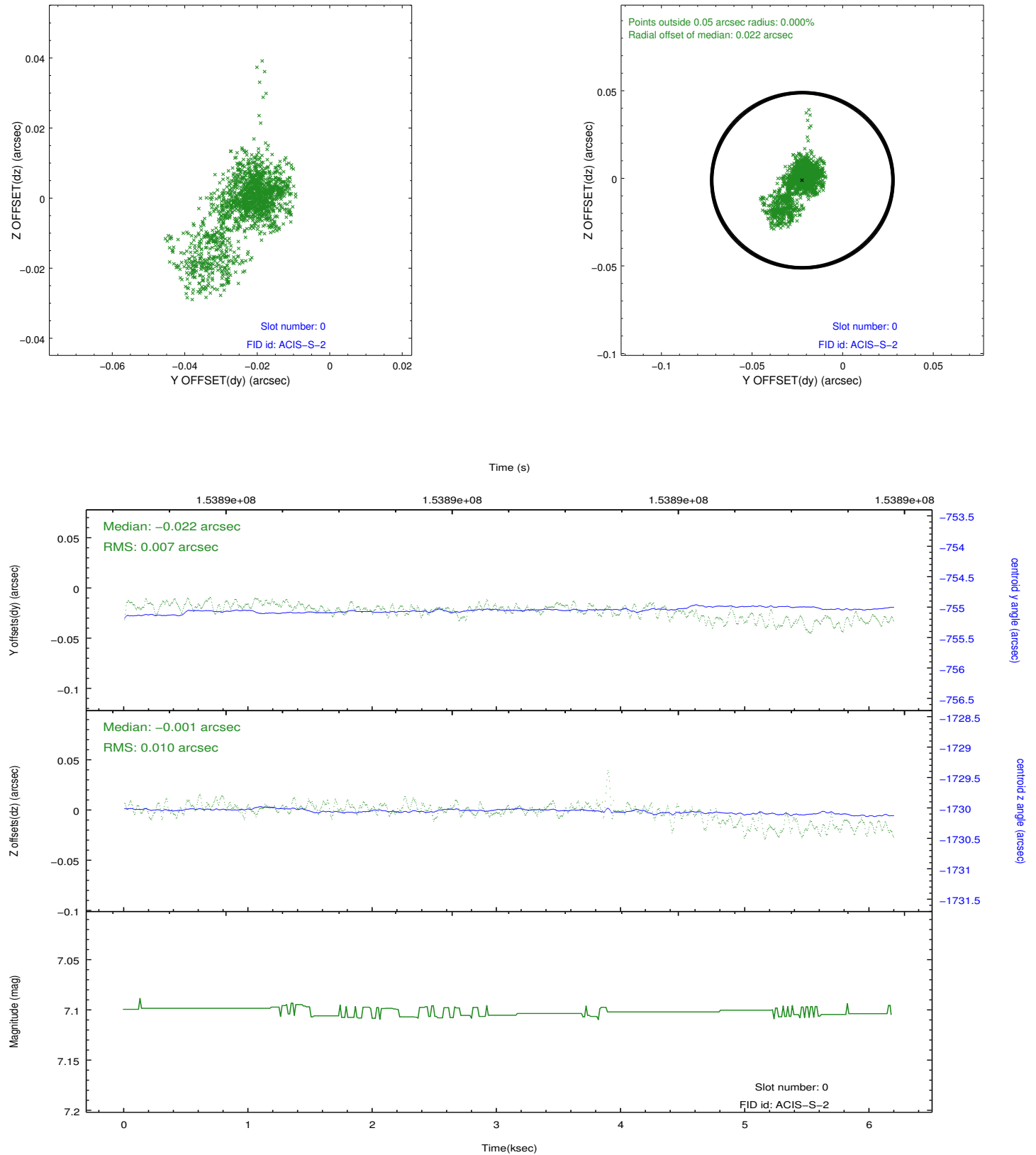


2.4.5 Slot 7

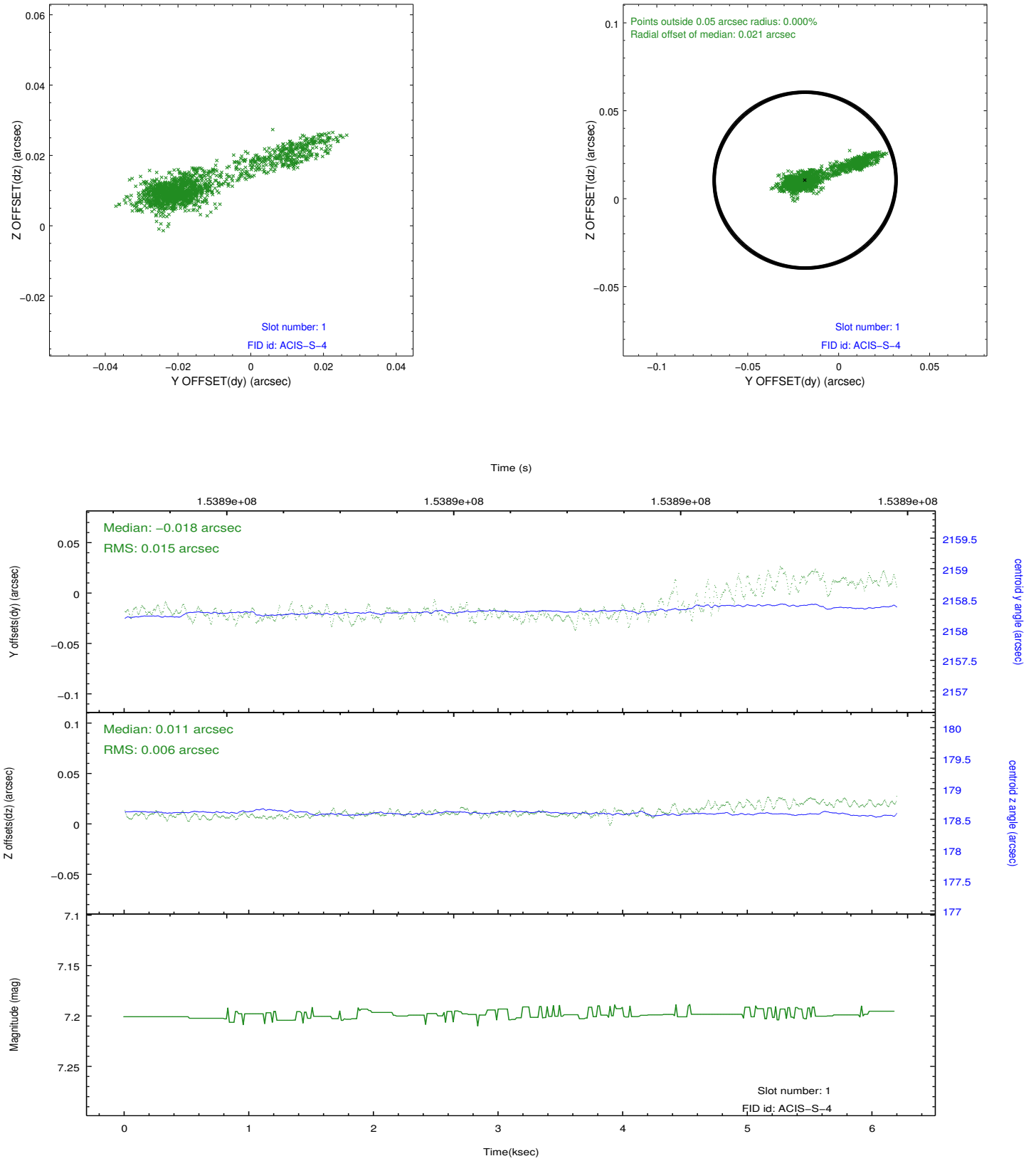


2.5 FID Slots

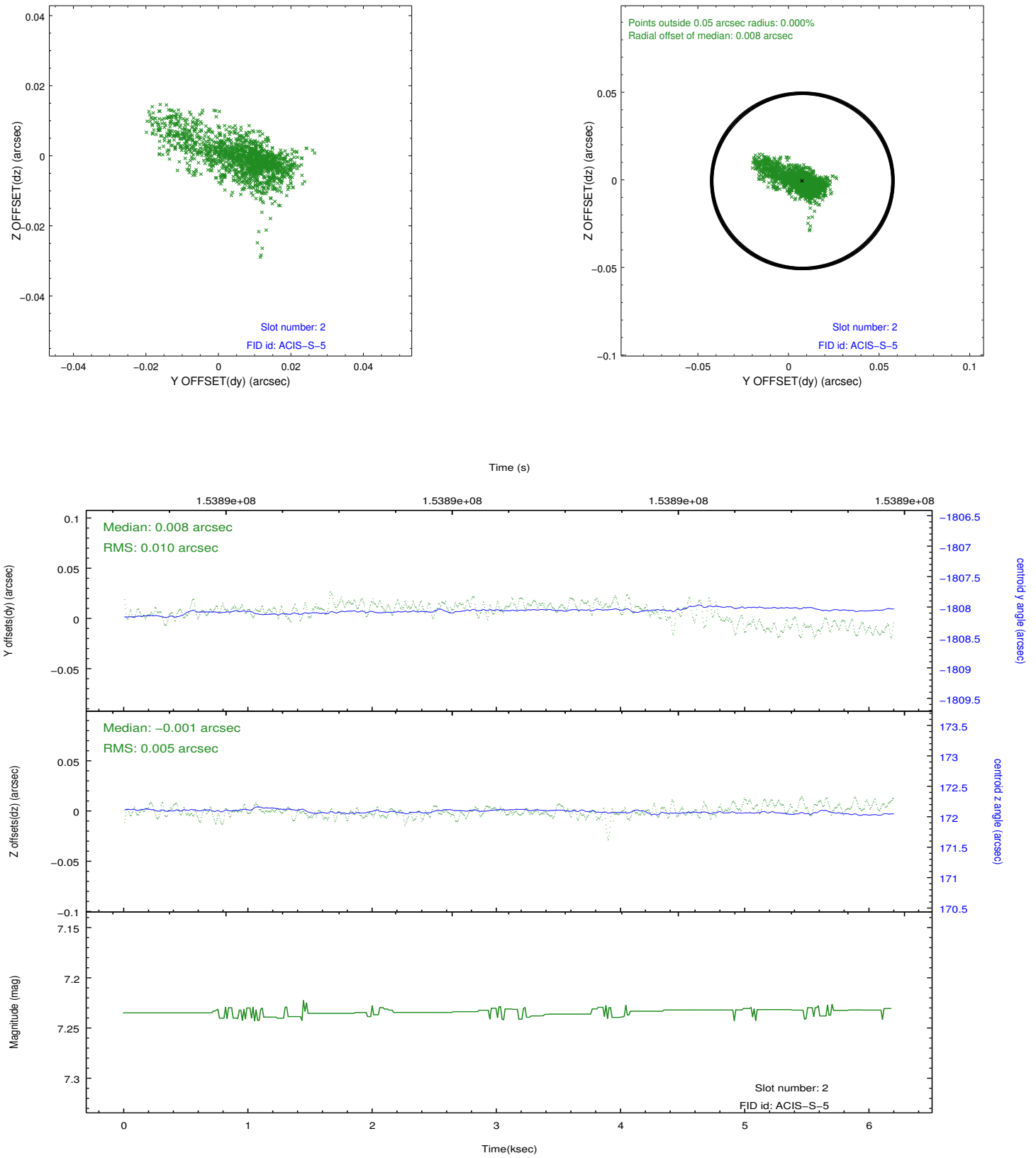
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.83

A.2 Comments