

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8517 - L2 Version 3
Chandra X-Ray Center

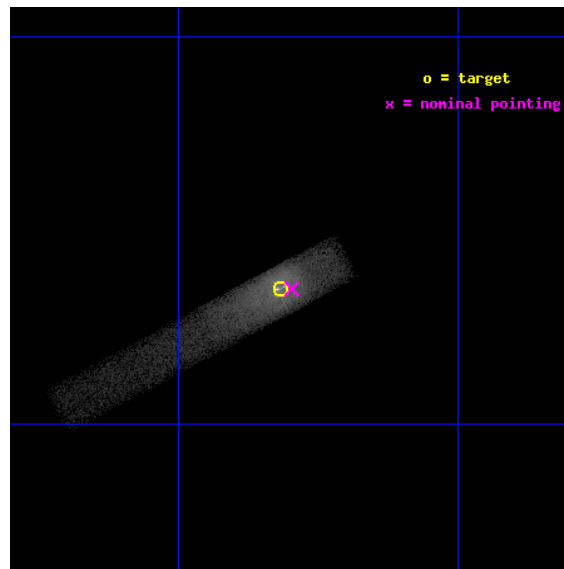
L2 Processing Date : Apr 22 2012

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1 Front

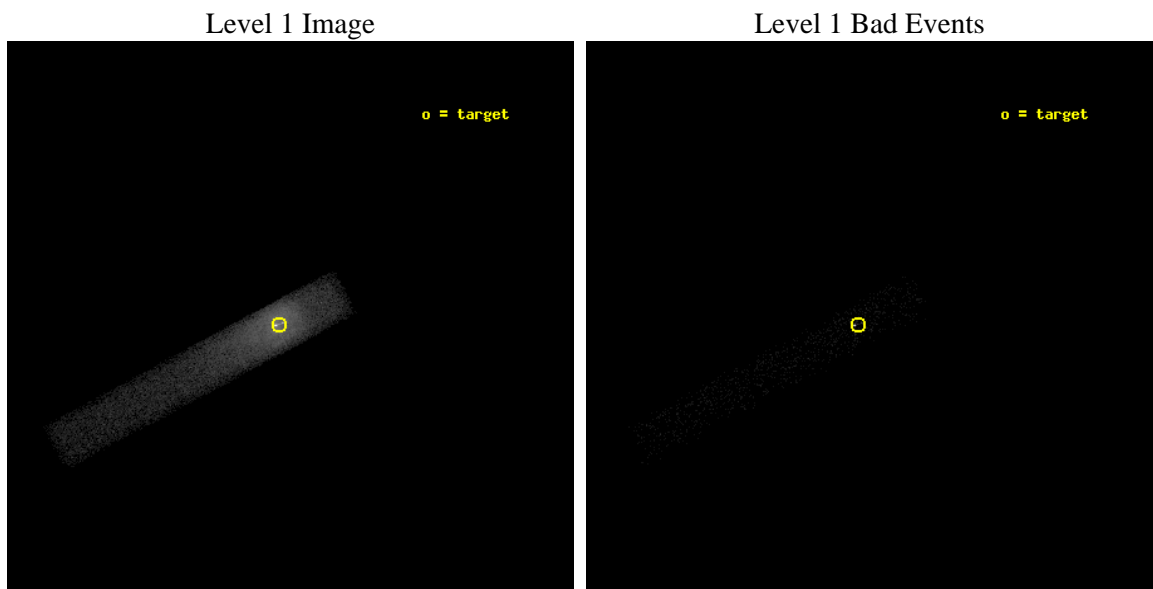
seq_num	701583	Sequence number
obs_id	8517	Observation id
title	Short Timescale X-ray Variability in the M87 Jet: the TeV connection	
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.69924604575	Nominal RA [deg]
dec_nom	12.391402900625	Nominal Dec [deg]
roll_nom	151.8859832995	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5153.1996928453	Sum of GTIs [s]
livetime	4673.6801132281	Livetime [s]
ontime7	5153.1996928453	Sum of GTIs [s]
l2events	59845	Number of level 2 events



2 OBI

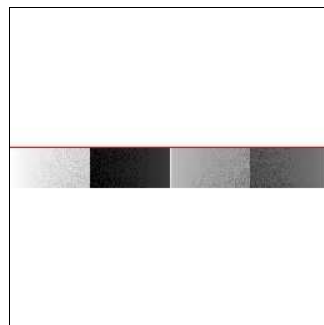
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5153.1996928453	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5153.1996928453	Sum of GTIs [s]
date	2012-04-22T04:14:00	Date and time of file creation	l1events	71532	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

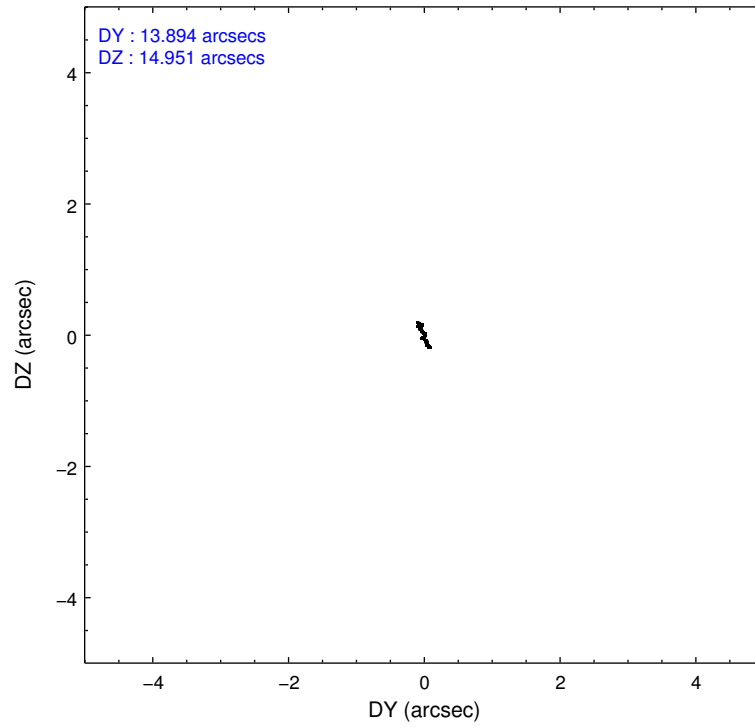
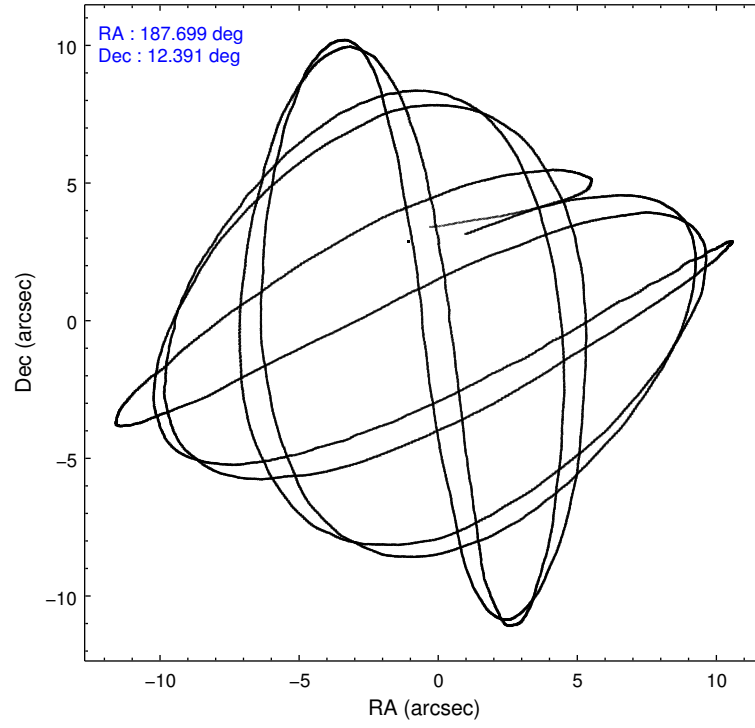
	ccd 7
level 1 events	71532
rejected events	11014
rejected %	15%

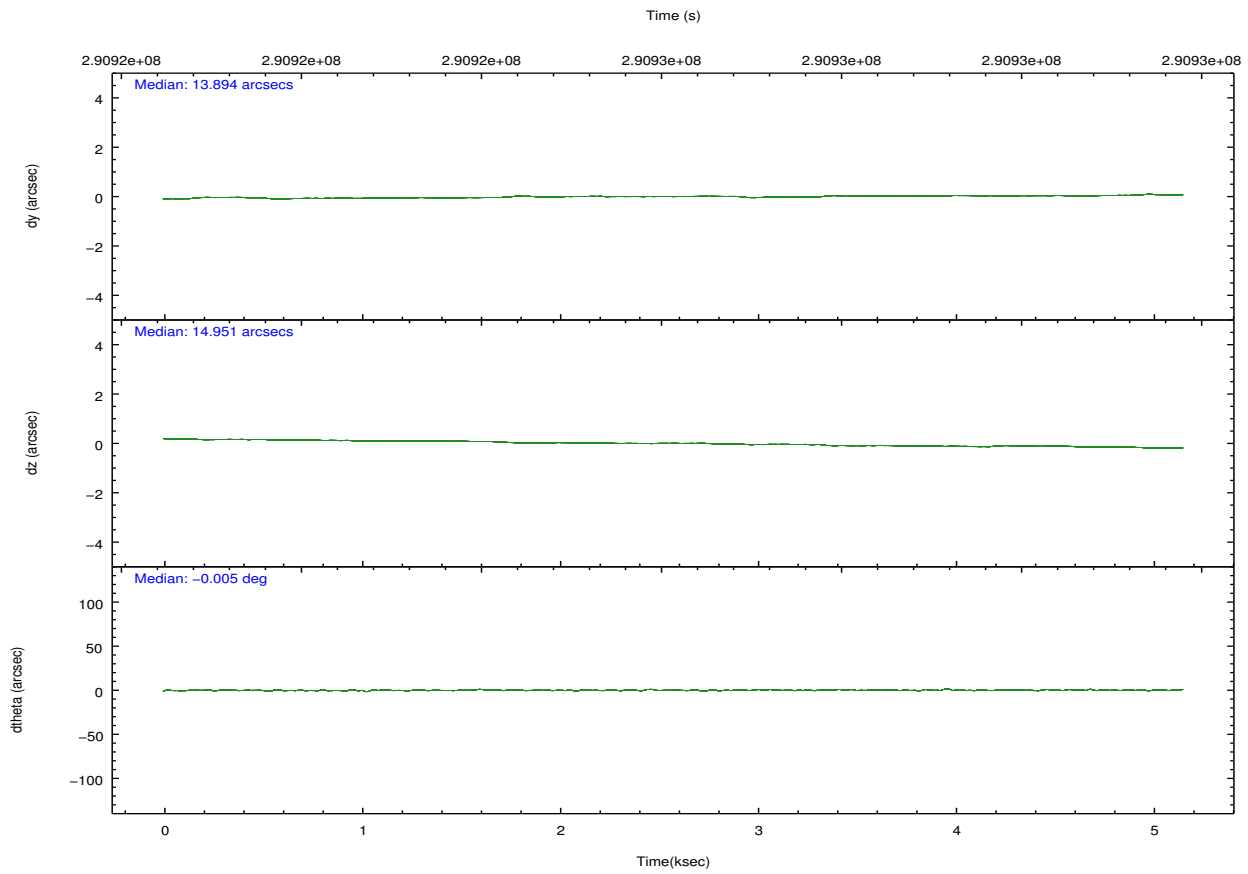
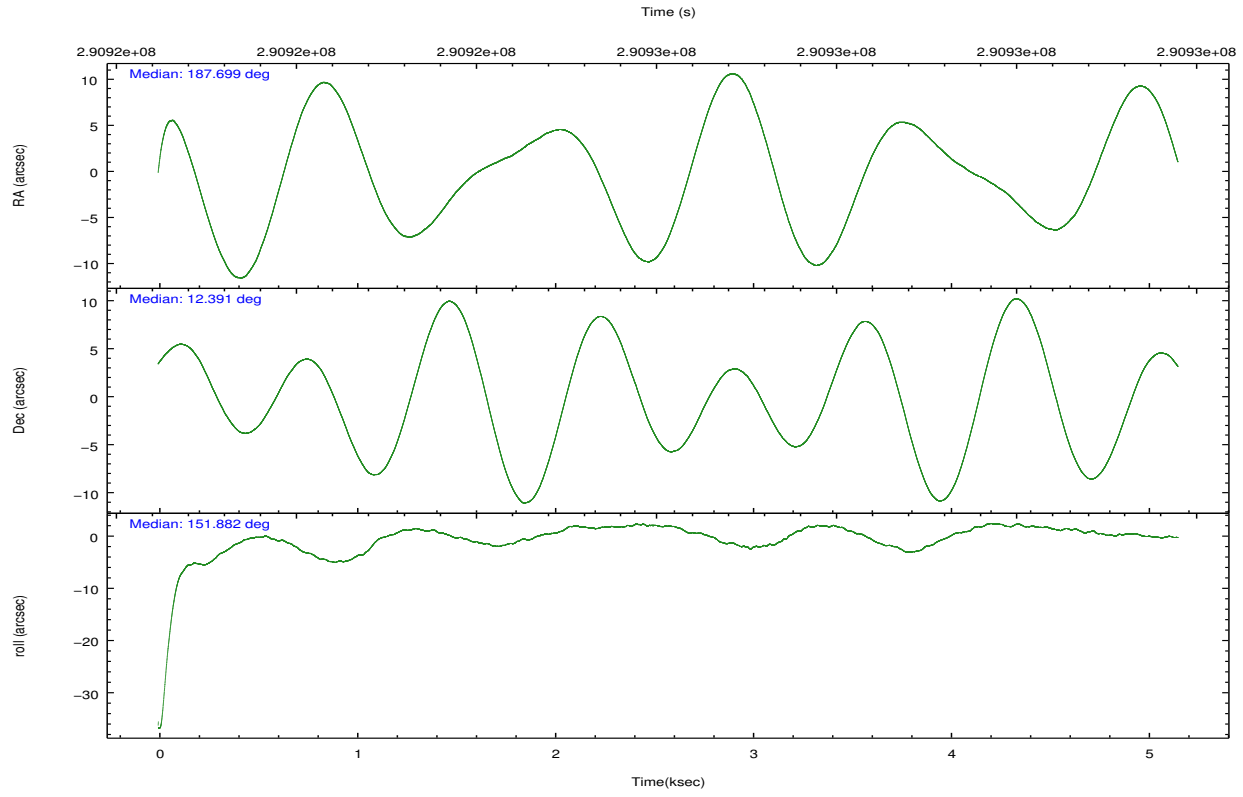
	ccd 7
grade 0 events	18528
	25%
grade 1 events	303
	0%
grade 2 events	15937
	22%
grade 3 events	7363
	10%
grade 4 events	7208
	10%
grade 5 events	2333
	3%
grade 6 events	13906
	19%
grade 7 events	5954
	8%

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	187.727170	187.6992460457483	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.392636	12.39140290062494	Subarray start row	449	449
[deg] Pointing Roll	151.723431	151.8859832994954	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	290923633.184000	290922537.65889			
Observation start date	2007-03-22T04:06:08	2007-03-22T03:48:57			
[s] Observation end time (MET)	290928633.184000	290929411.30922			
Observation end date	2007-03-22T05:29:28	2007-03-22T05:43:31			
Read mode	TIMED	TIMED			

2.3 Aspect



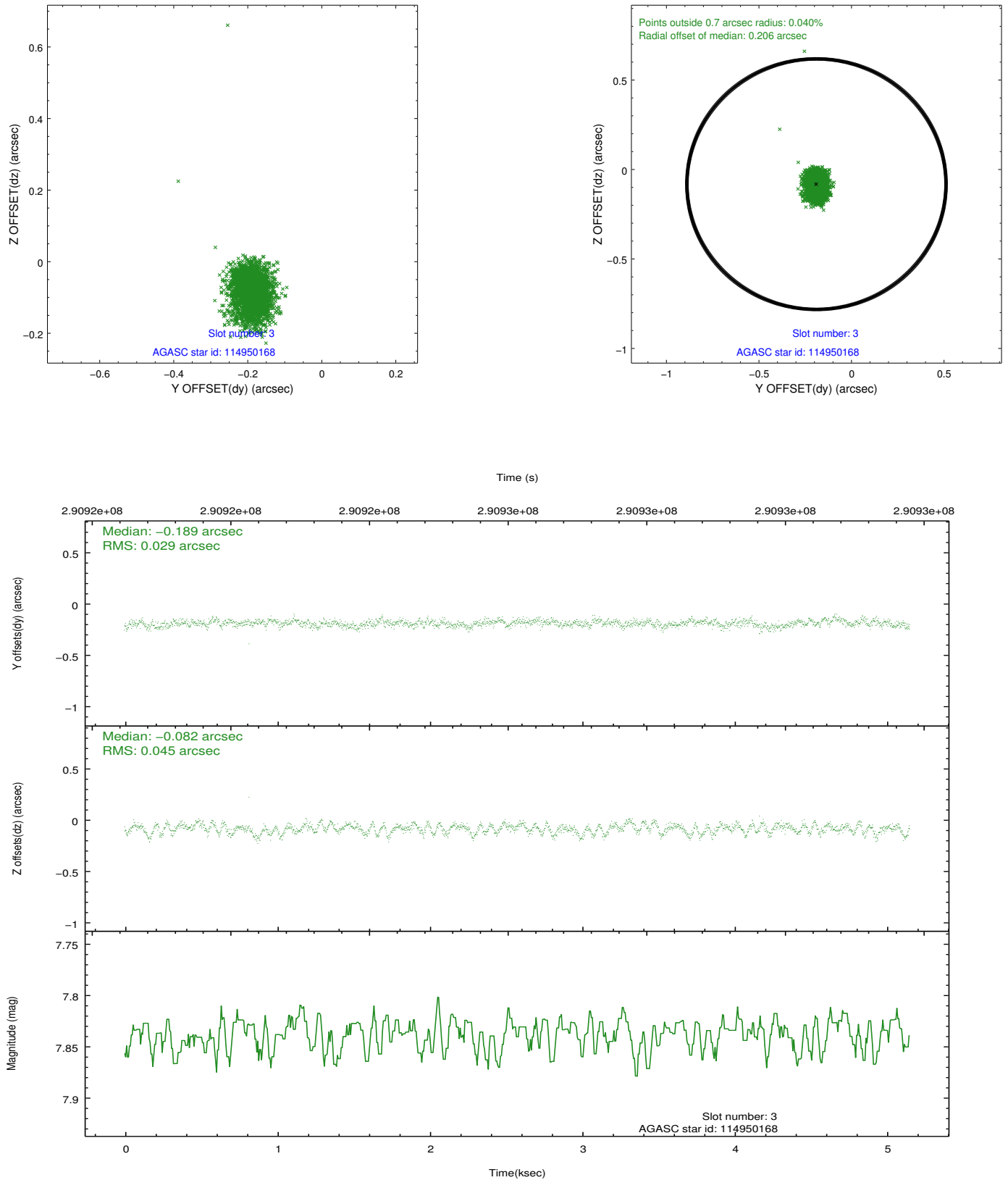


Slot Statistics

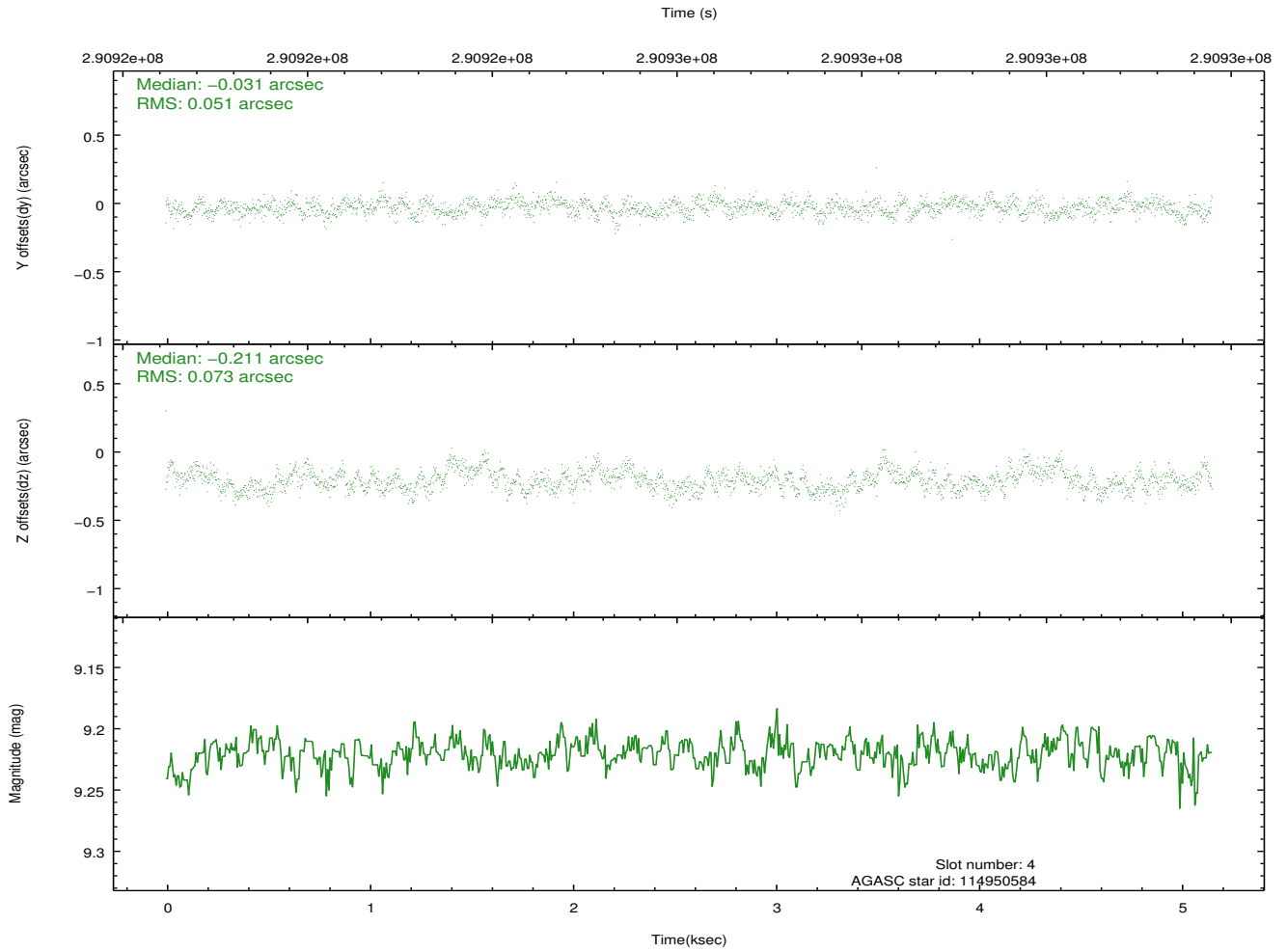
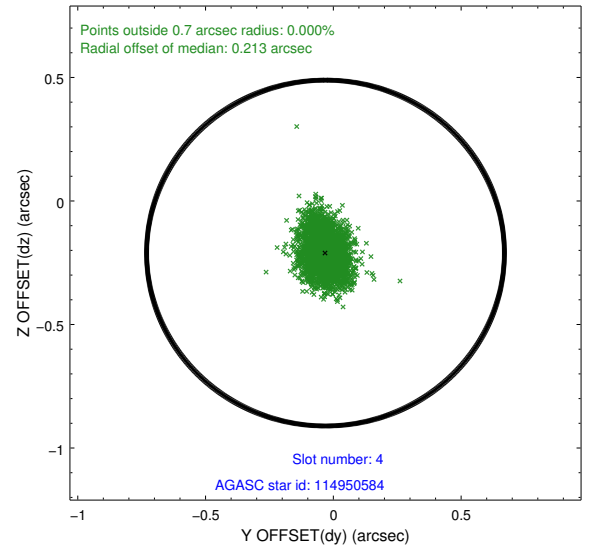
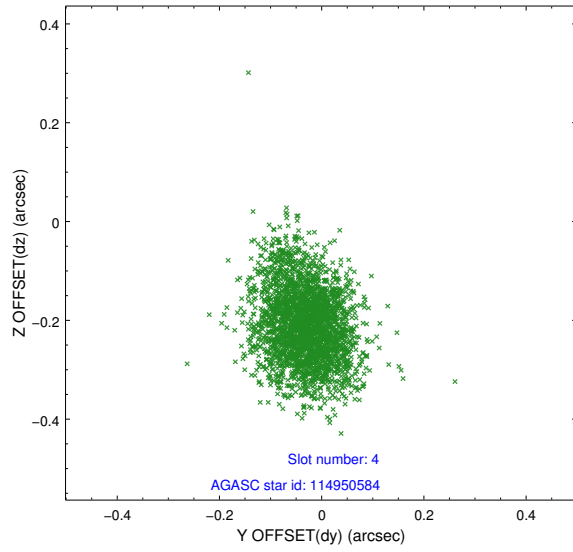
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1257	-0.070	-0.044	0.007	0.013	0.000000	0.000000	-766.87	-1736.33
1	FID	ACIS-S-4	7.19	1257	0.213	0.046	0.006	0.011	0.000000	0.000000	2146.12	171.06
2	FID	ACIS-S-5	7.22	1255	-0.175	0.007	0.006	0.011	0.000000	0.000000	-1818.33	165.99
3	GUIDE	114950168	7.84	2515	-0.189	-0.082	0.054	0.091	187.143398	12.117441	1340.97	1844.28
4	GUIDE	114950584	9.22	2512	-0.031	-0.211	0.093	0.155	187.487323	11.827248	-219.19	2193.43
5	GUIDE	114952824	8.56	2514	-0.056	0.208	0.067	0.107	187.703904	12.486727	232.64	-258.09
6	GUIDE	114955056	8.32	2514	0.255	0.122	0.073	0.116	187.914001	12.127854	-1030.12	527.96
7	GUIDE	114957008	8.23	2514	0.022	-0.035	0.058	0.096	186.894794	12.099160	2081.95	2315.37

2.4 Star Slots

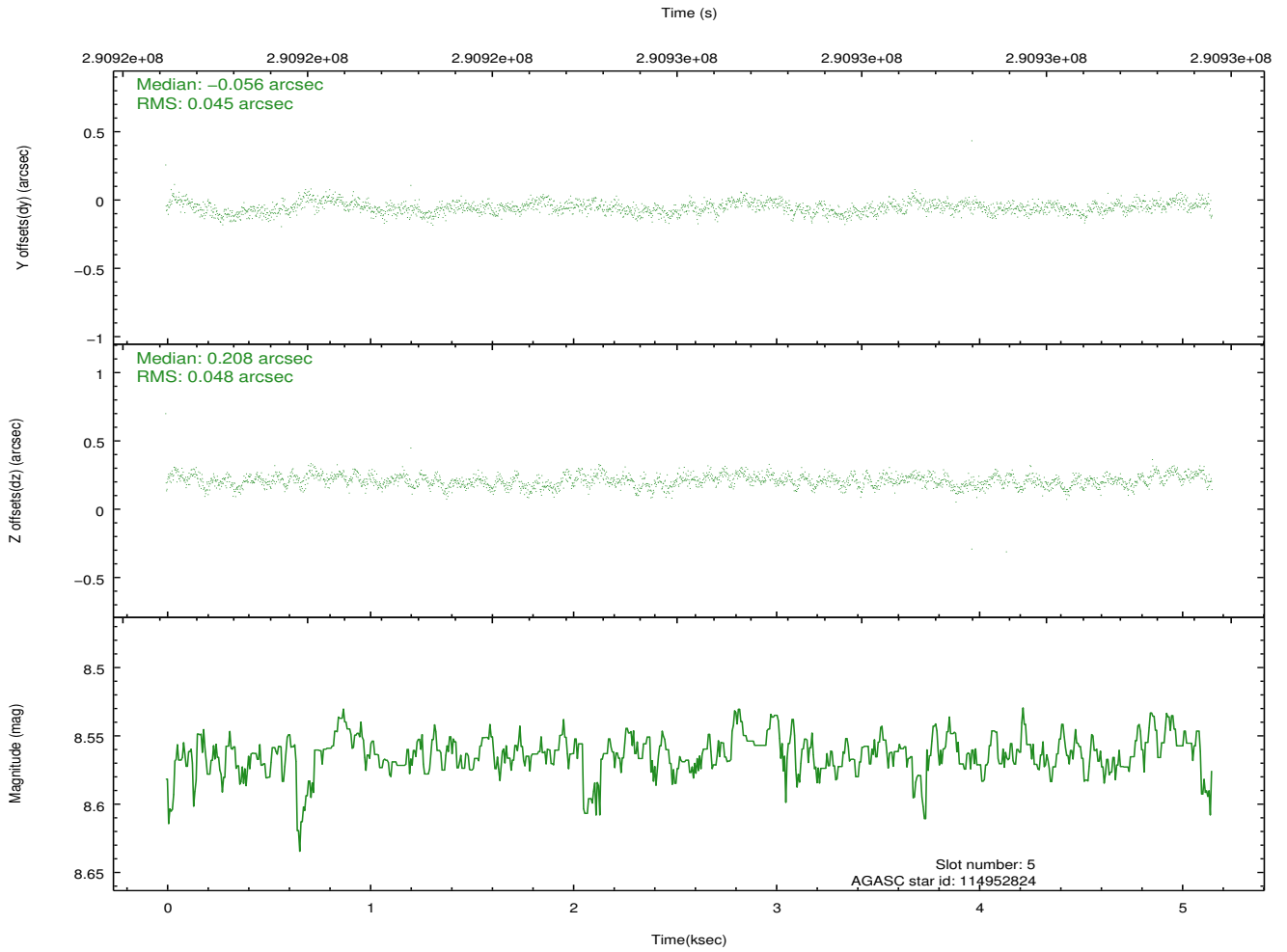
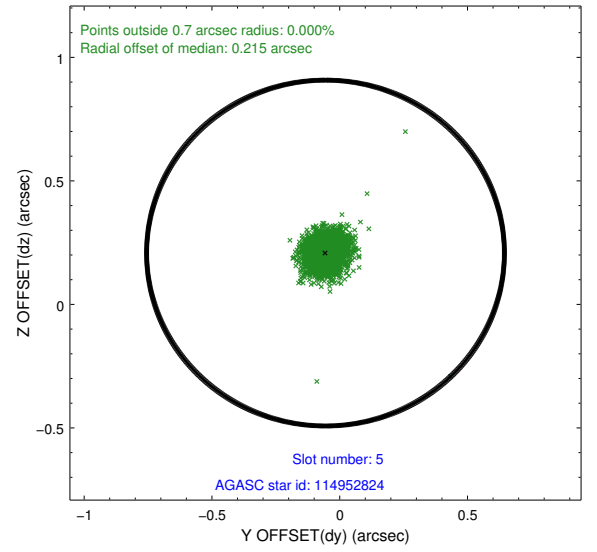
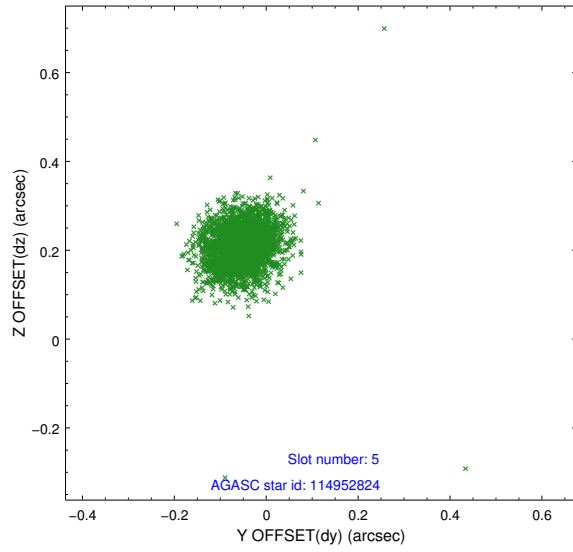
2.4.1 Slot 3



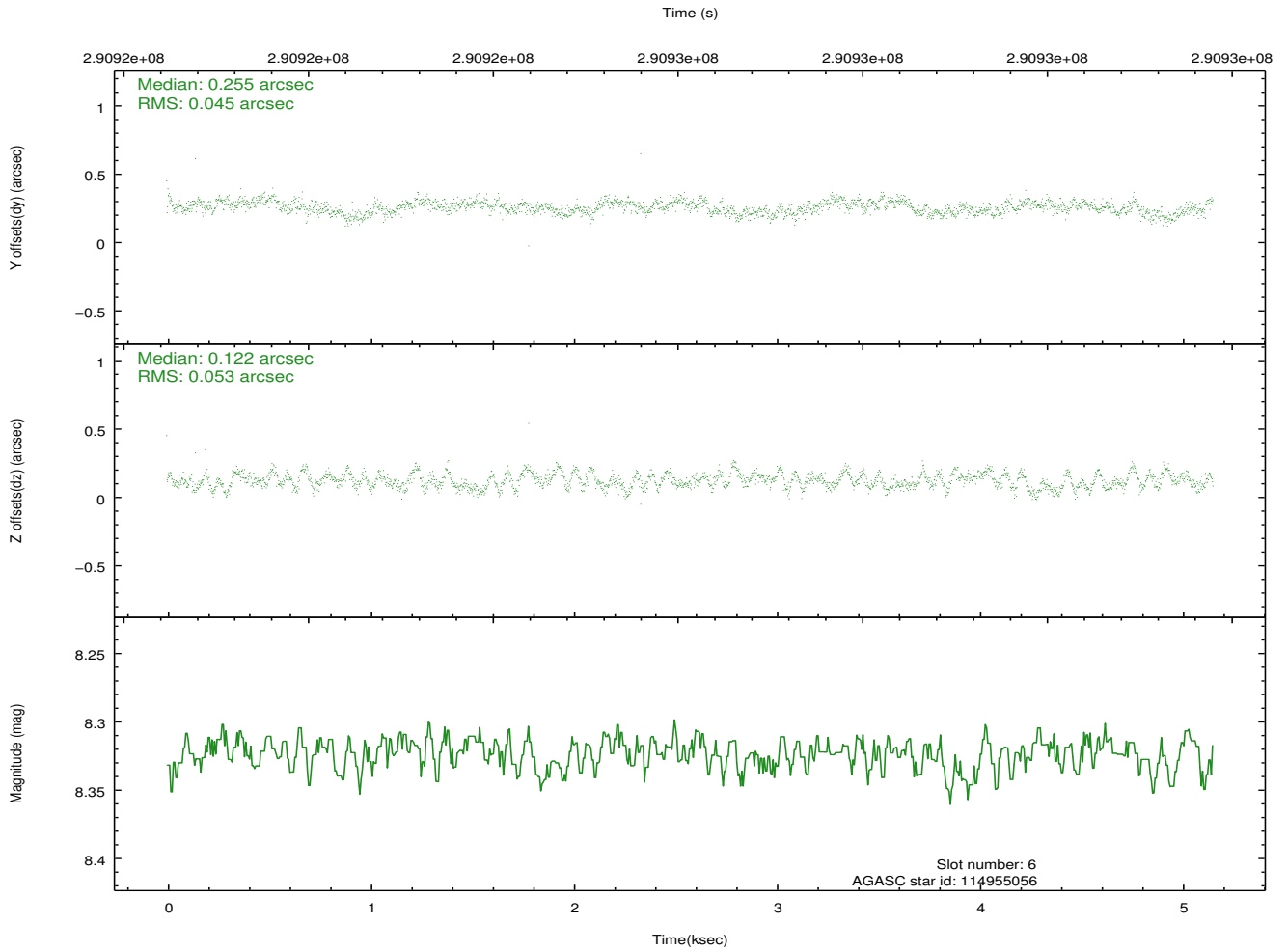
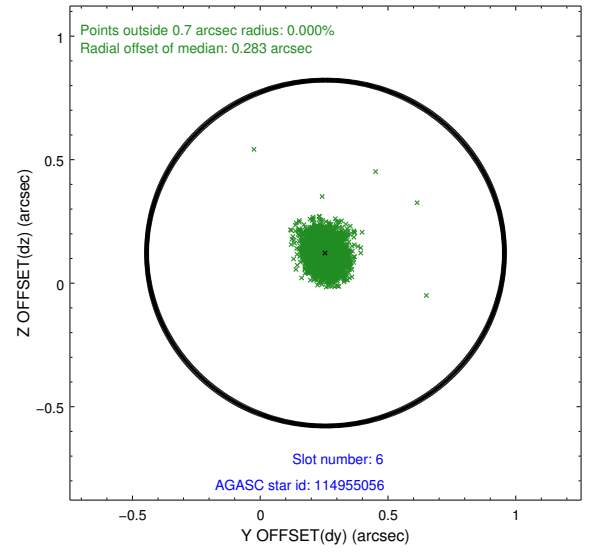
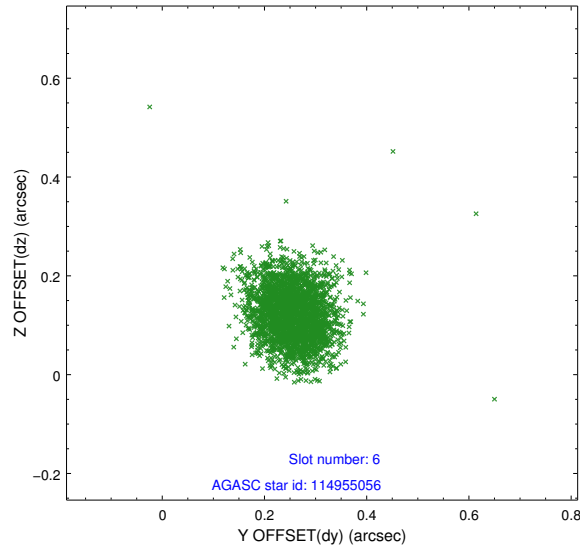
2.4.2 Slot 4



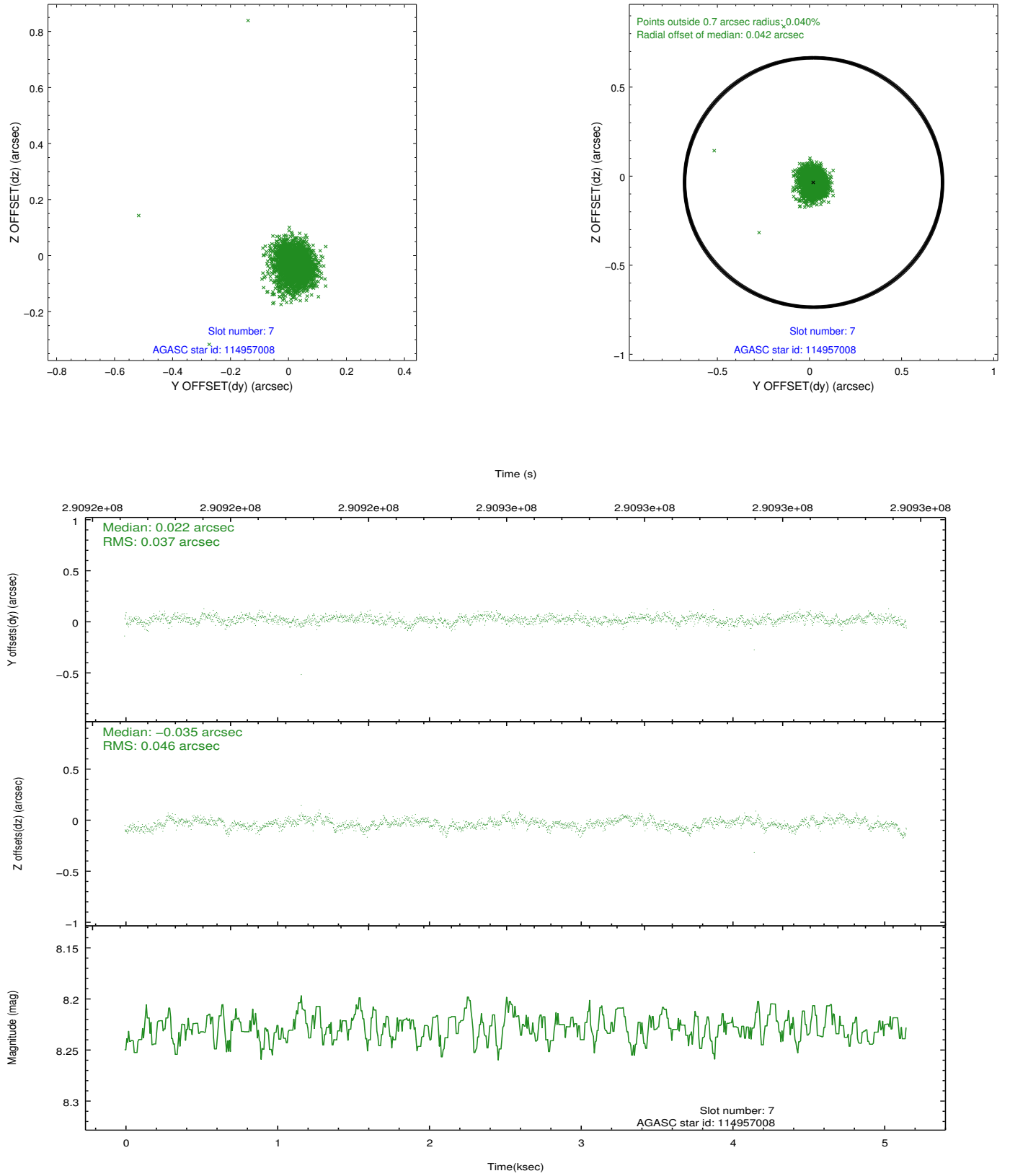
2.4.3 Slot 5



2.4.4 Slot 6

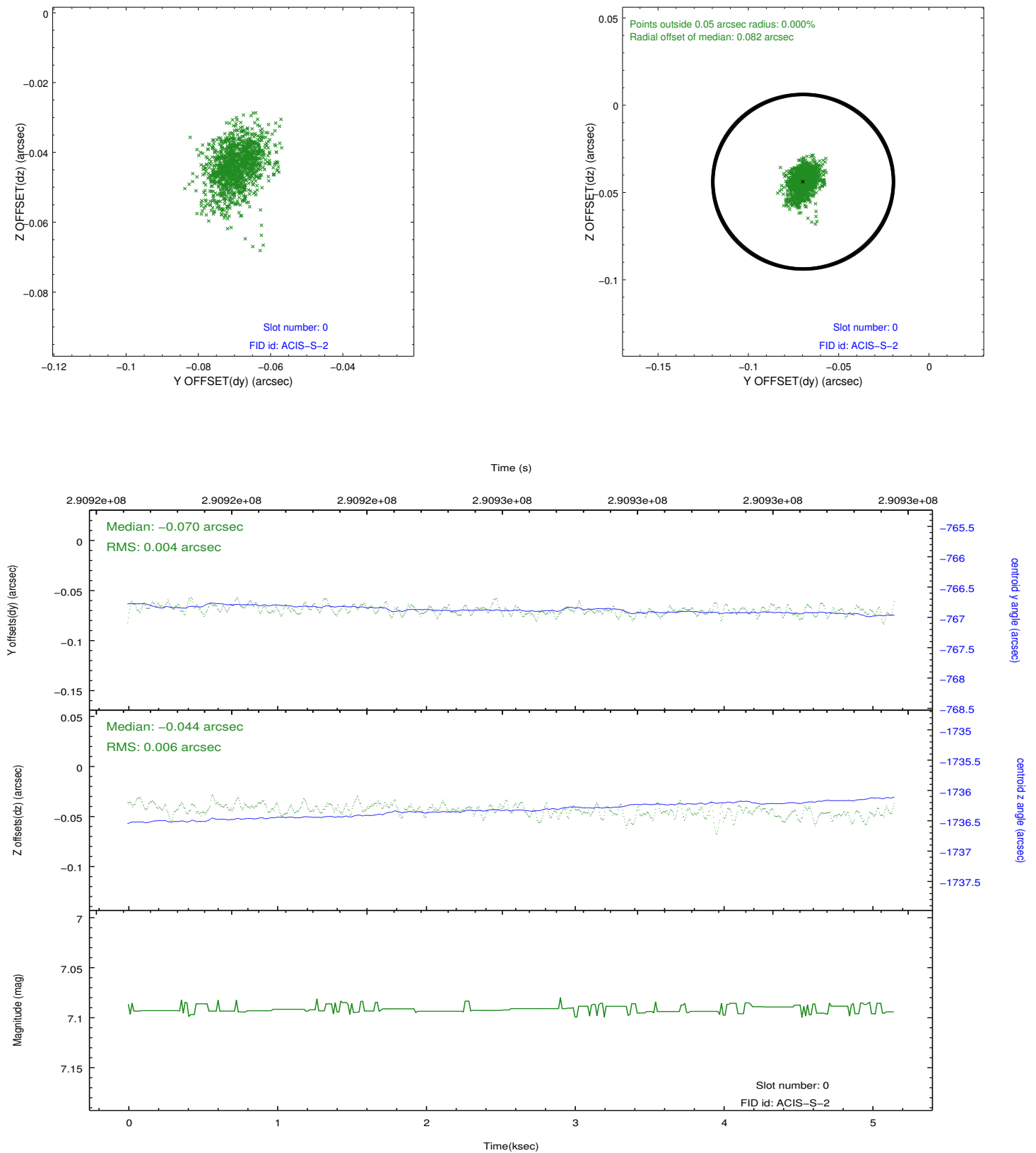


2.4.5 Slot 7

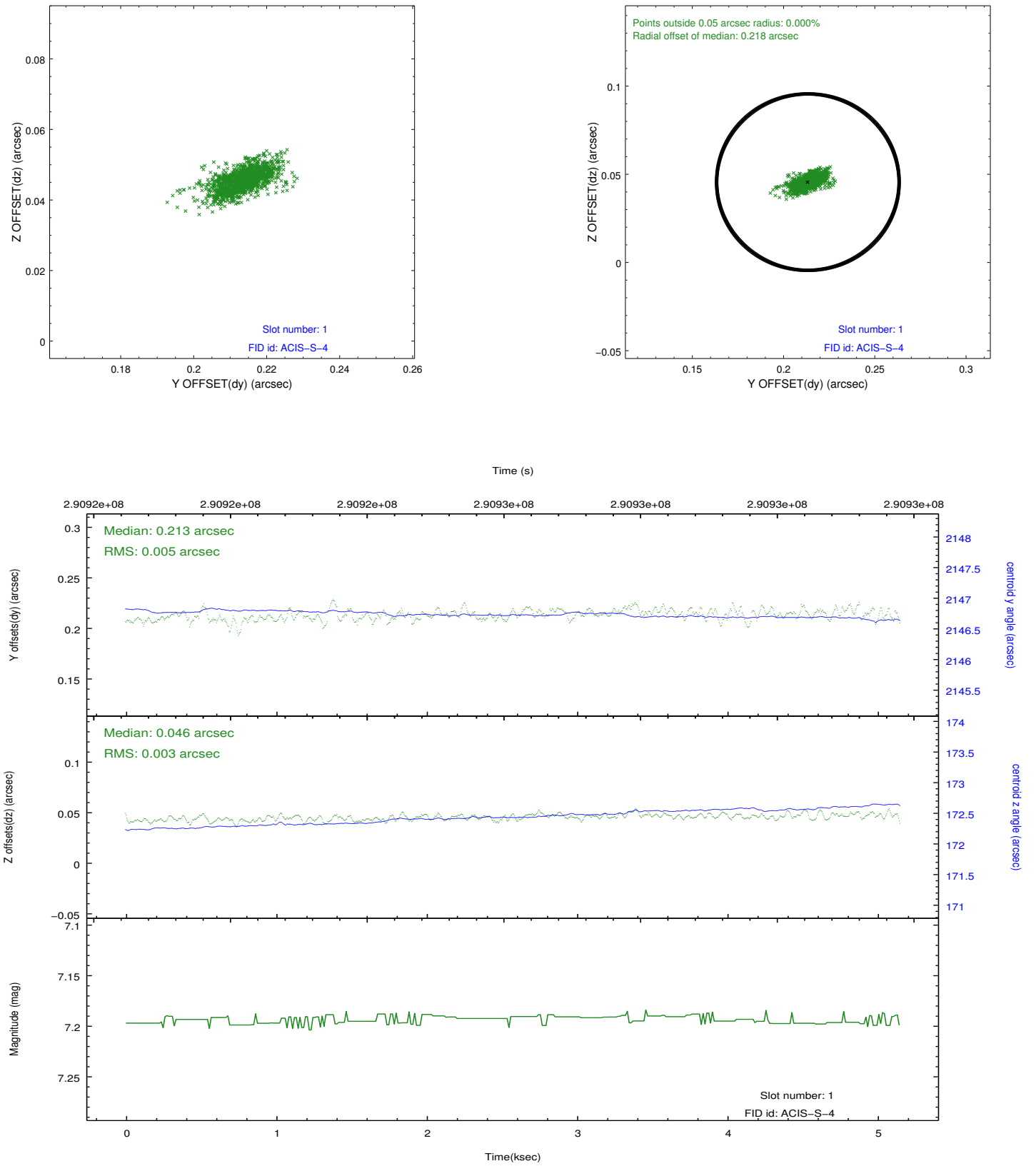


2.5 FID Slots

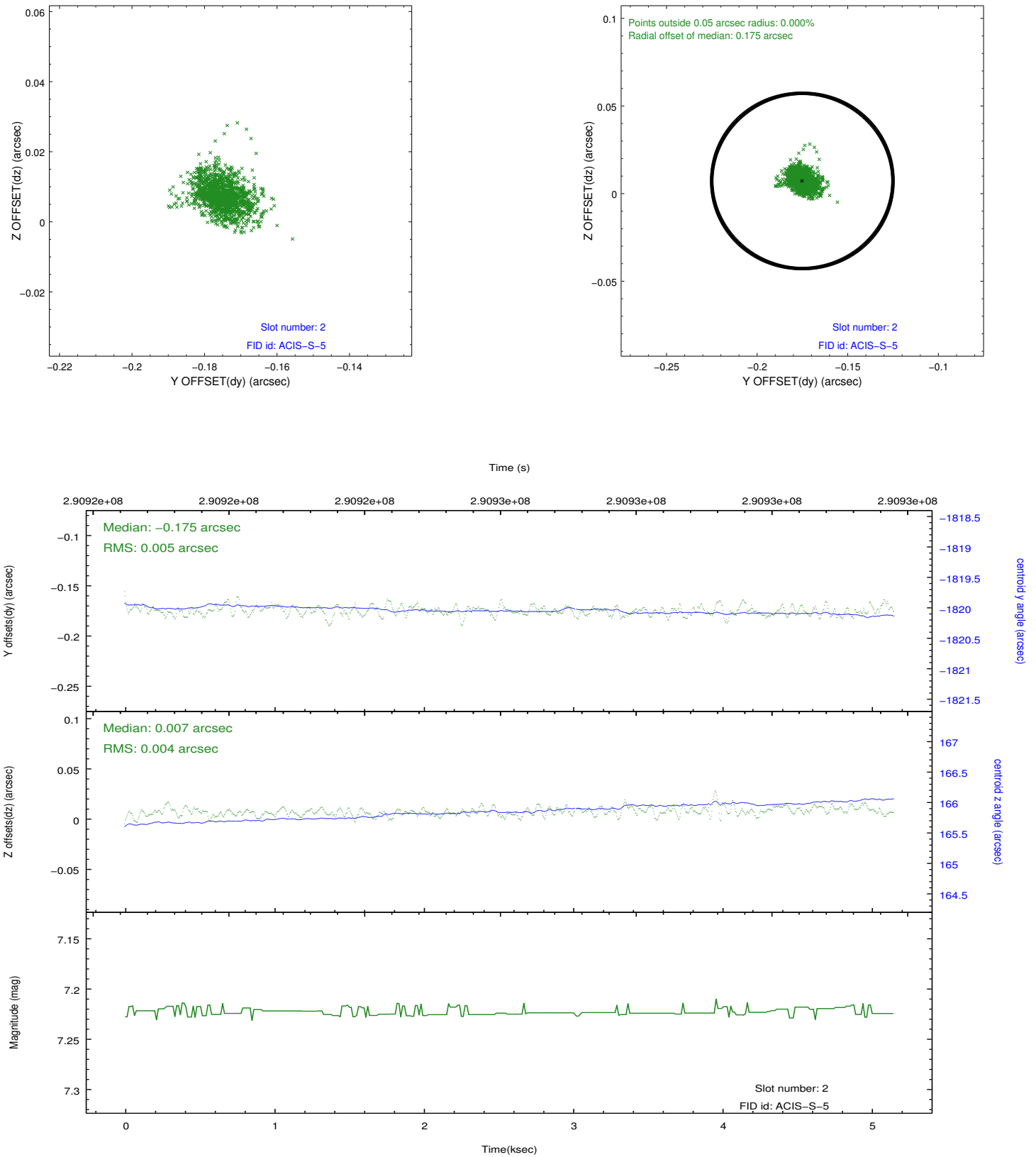
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15319969

A.2 Comments

Monitor constraint met.