

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7350 - L2 Version 3
Chandra X-Ray Center

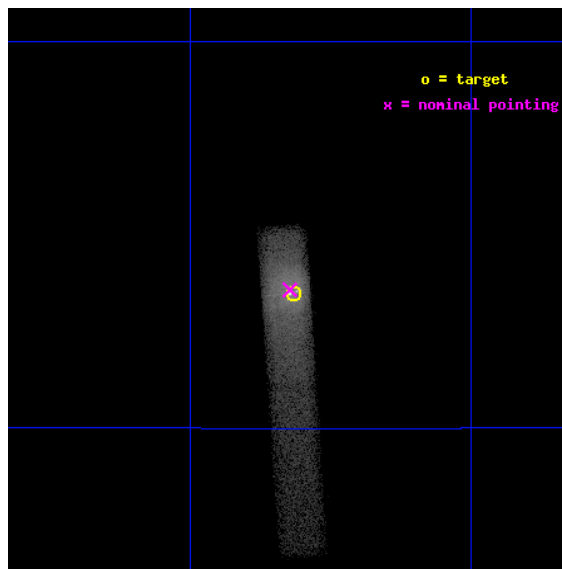
L2 Processing Date : Apr 20 2012

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1 Front

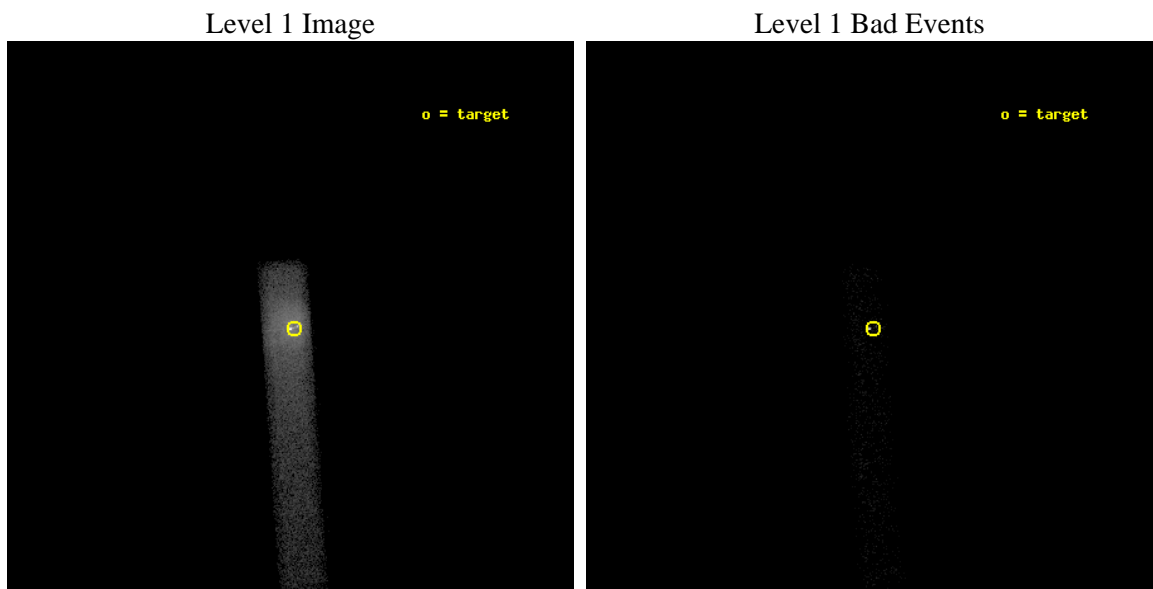
seq_num	701340	Sequence number
obs_id	7350	Observation id
title	HST/Chandra Monitoring of a Dramatic Flare in the M87 Jet	Proposal
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70581301972	Nominal RA [deg]
dec_nom	12.392863192386	Nominal Dec [deg]
roll_nom	86.156290760647	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5140.3996936083	Sum of GTIs [s]
livetime	4662.0711895595	Livetime [s]
ontime7	5140.3996936083	Sum of GTIs [s]
l2events	57611	Number of level 2 events



2 OBI

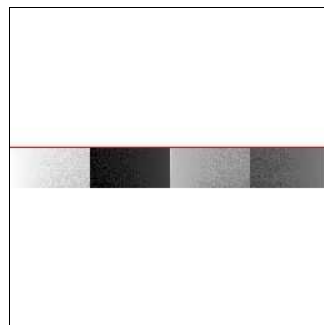
2.1 OBI

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	5140.3996936083	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5140.3996936083	Sum of GTIs [s]
date	2012-04-20T03:17:02	Date and time of file creation	l1events	69513	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

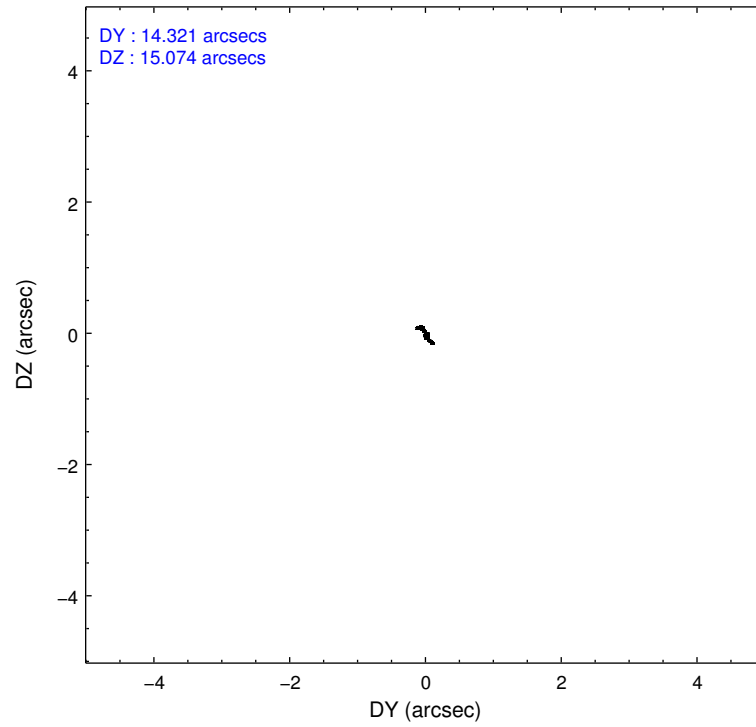
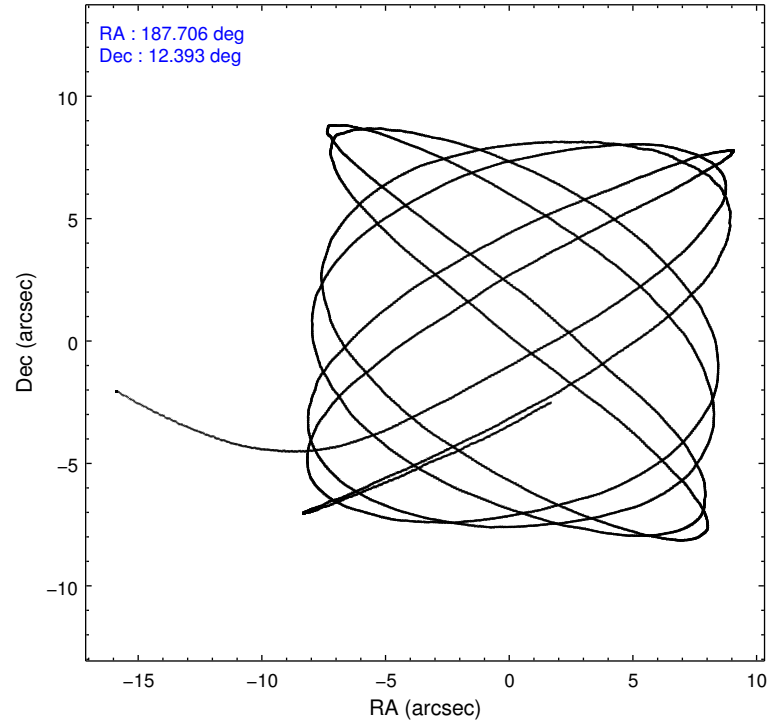
	ccd 7
level 1 events	69513
rejected events	11342
rejected %	16%

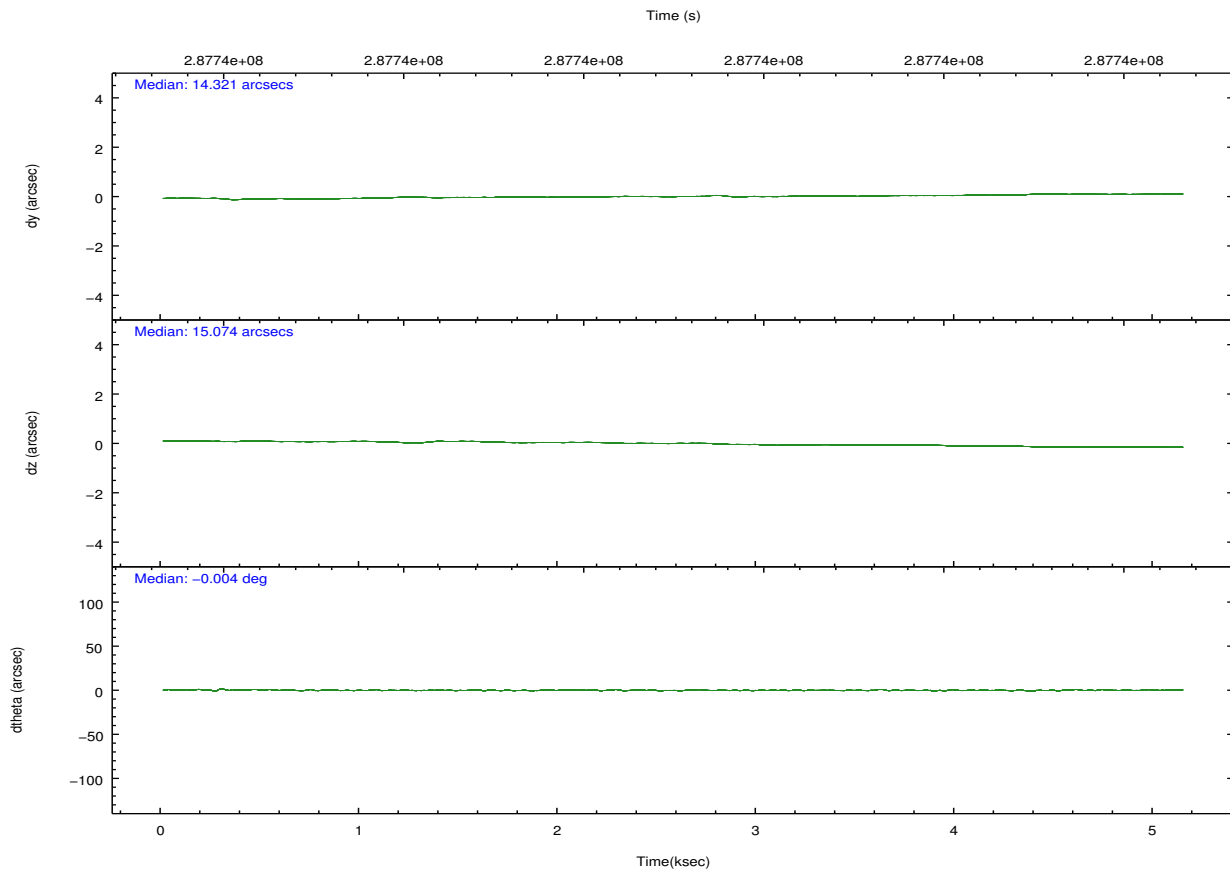
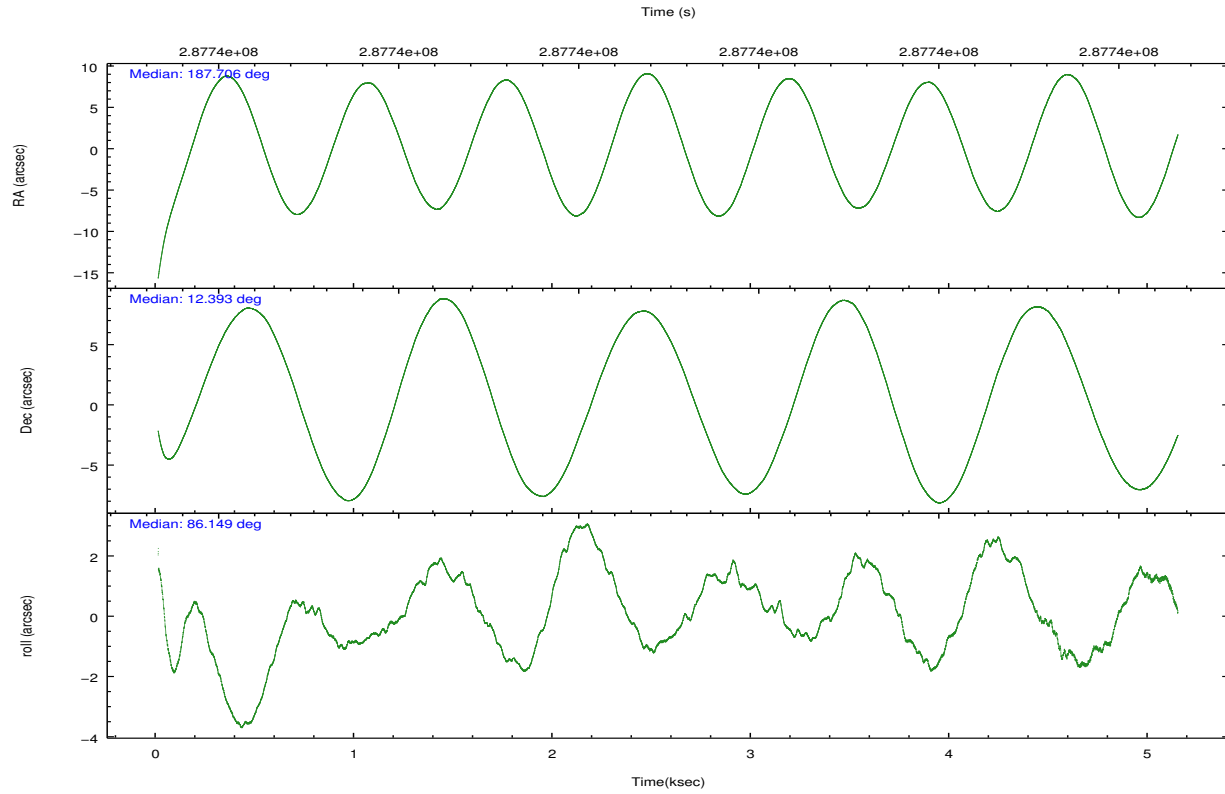
	ccd 7
grade 0 events	17493
	25%
grade 1 events	317
	0%
grade 2 events	15531
	22%
grade 3 events	7213
	10%
grade 4 events	6926
	9%
grade 5 events	2374
	3%
grade 6 events	13472
	19%
grade 7 events	6187
	8%

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	187.718592	187.7058130197161	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.368516	12.39286319238567	Subarray start row	449	449
[deg] Pointing Roll	85.996911	86.15629076064651	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)	287738076.184000	287736961.53243			
Observation start date	2007-02-13T07:13:31	2007-02-13T06:56:01			
[s] Observation end time (MET)	287743076.184000	287743368.80774			
Observation end date	2007-02-13T08:36:51	2007-02-13T08:42:48			
Read mode	TIMED	TIMED			

2.3 Aspect



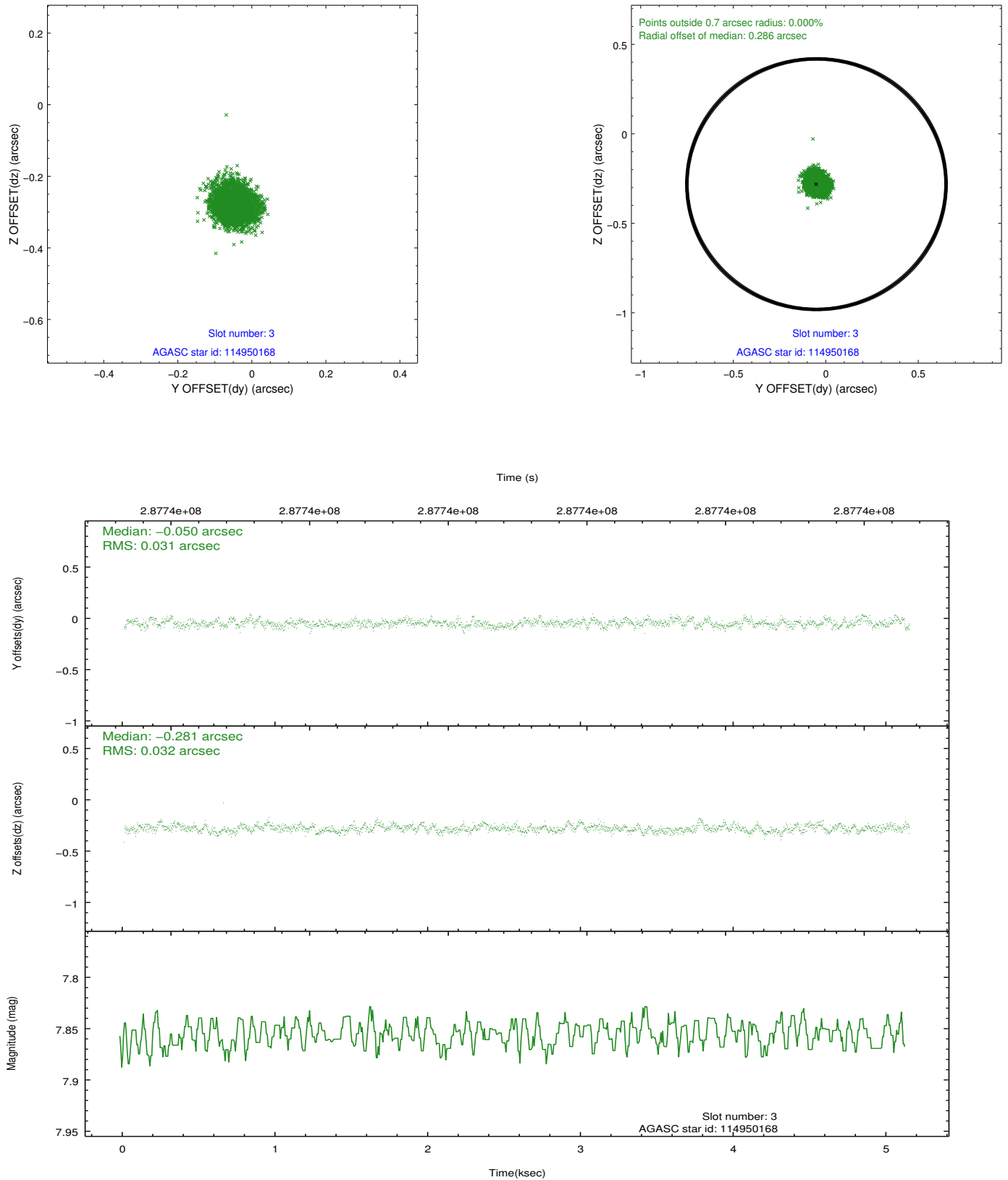


Slot Statistics

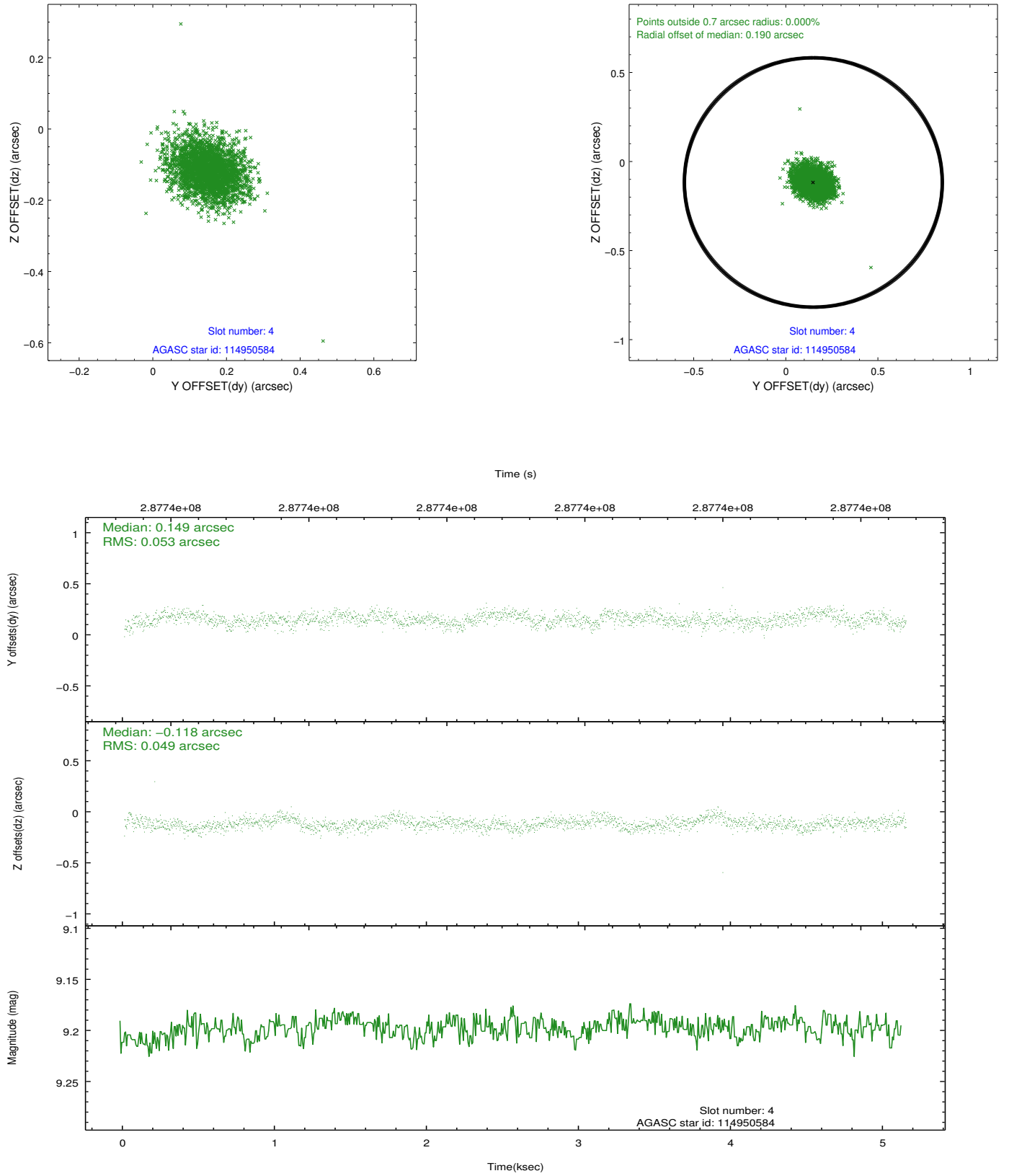
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1253	-0.080	-0.028	0.007	0.013	0.000000	0.000000	-767.34	-1736.47
1	FID	ACIS-S-4	7.20	1254	0.206	0.046	0.006	0.009	0.000000	0.000000	2145.67	170.88
2	FID	ACIS-S-5	7.22	1254	-0.157	-0.009	0.007	0.011	0.000000	0.000000	-1818.76	165.81
3	GUIDE	114950168	7.86	2509	-0.050	-0.281	0.047	0.075	187.143398	12.117441	-1041.09	1956.30
4	GUIDE	114950584	9.20	2508	0.149	-0.118	0.075	0.123	187.487323	11.827248	-2000.56	677.63
5	GUIDE	114952824	8.57	2509	-0.117	-0.183	0.062	0.098	187.703904	12.486727	420.14	81.68
6	GUIDE	114955056	8.32	2508	0.074	0.456	0.075	0.120	187.914001	12.127854	-815.46	-746.03
7	GUIDE	114955568	7.53	2508	-0.062	0.125	0.055	0.096	187.061916	11.826551	-2105.57	2172.01

2.4 Star Slots

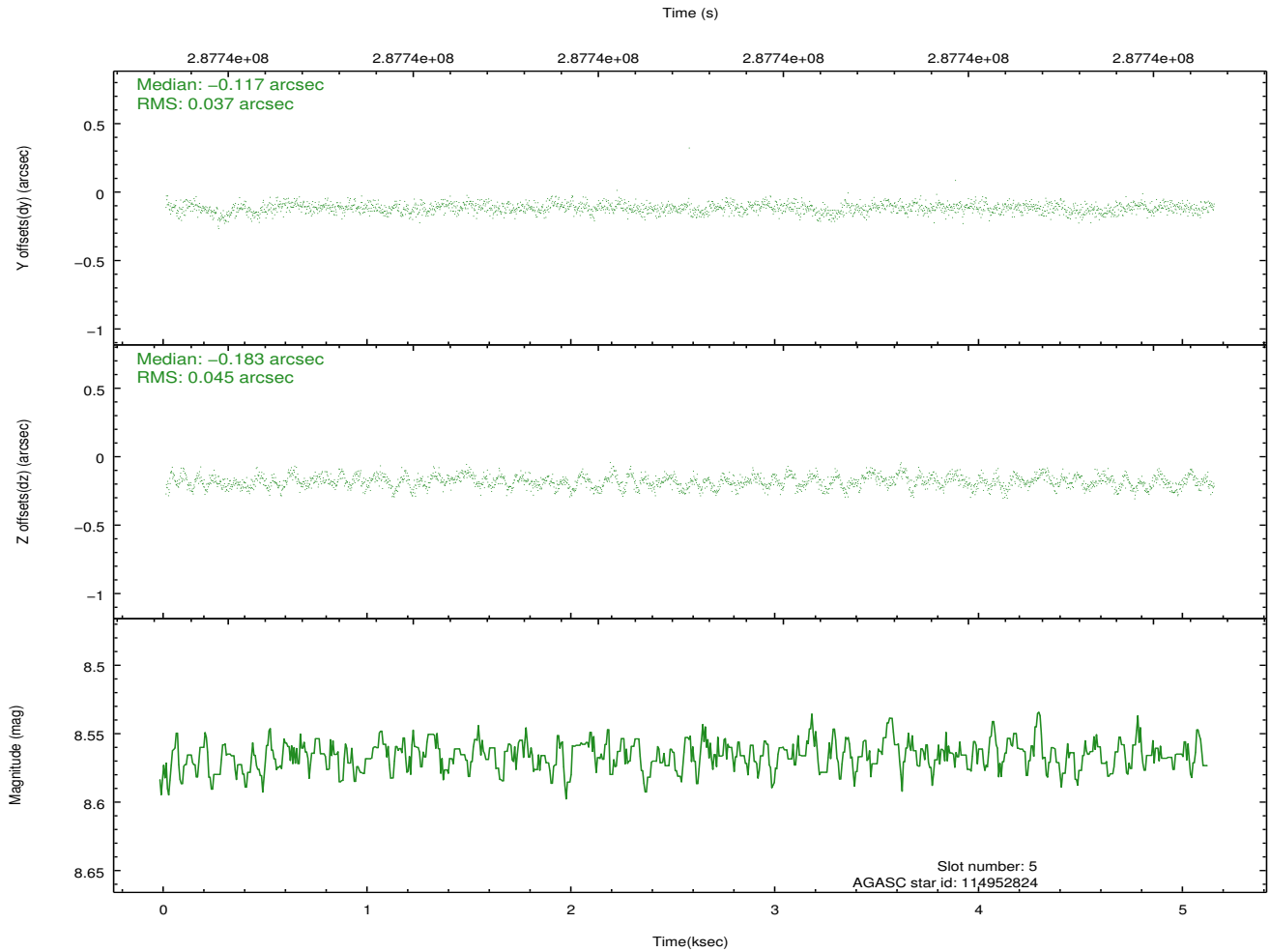
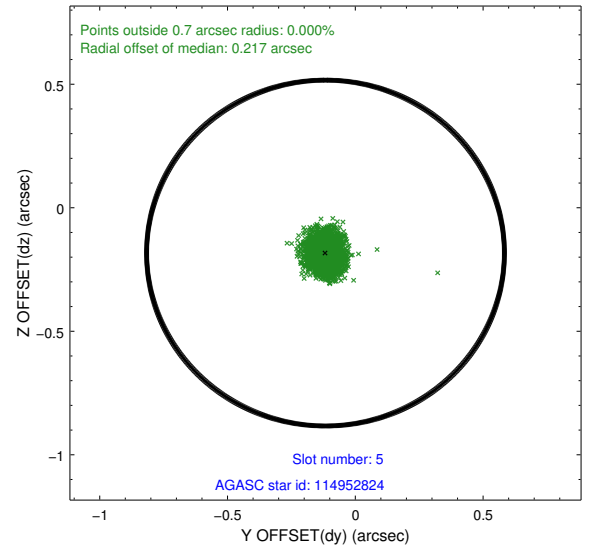
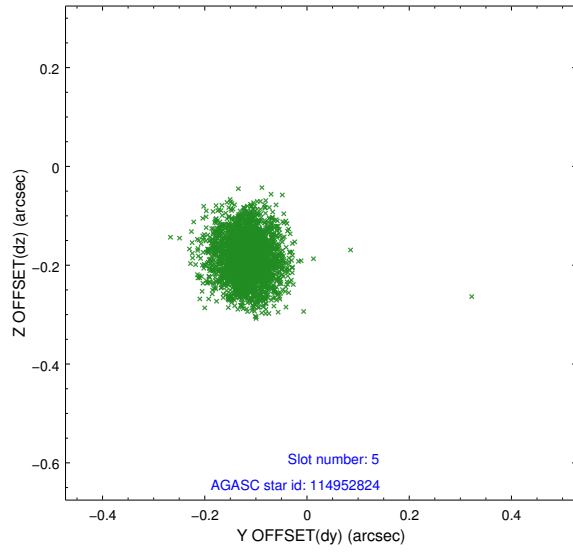
2.4.1 Slot 3



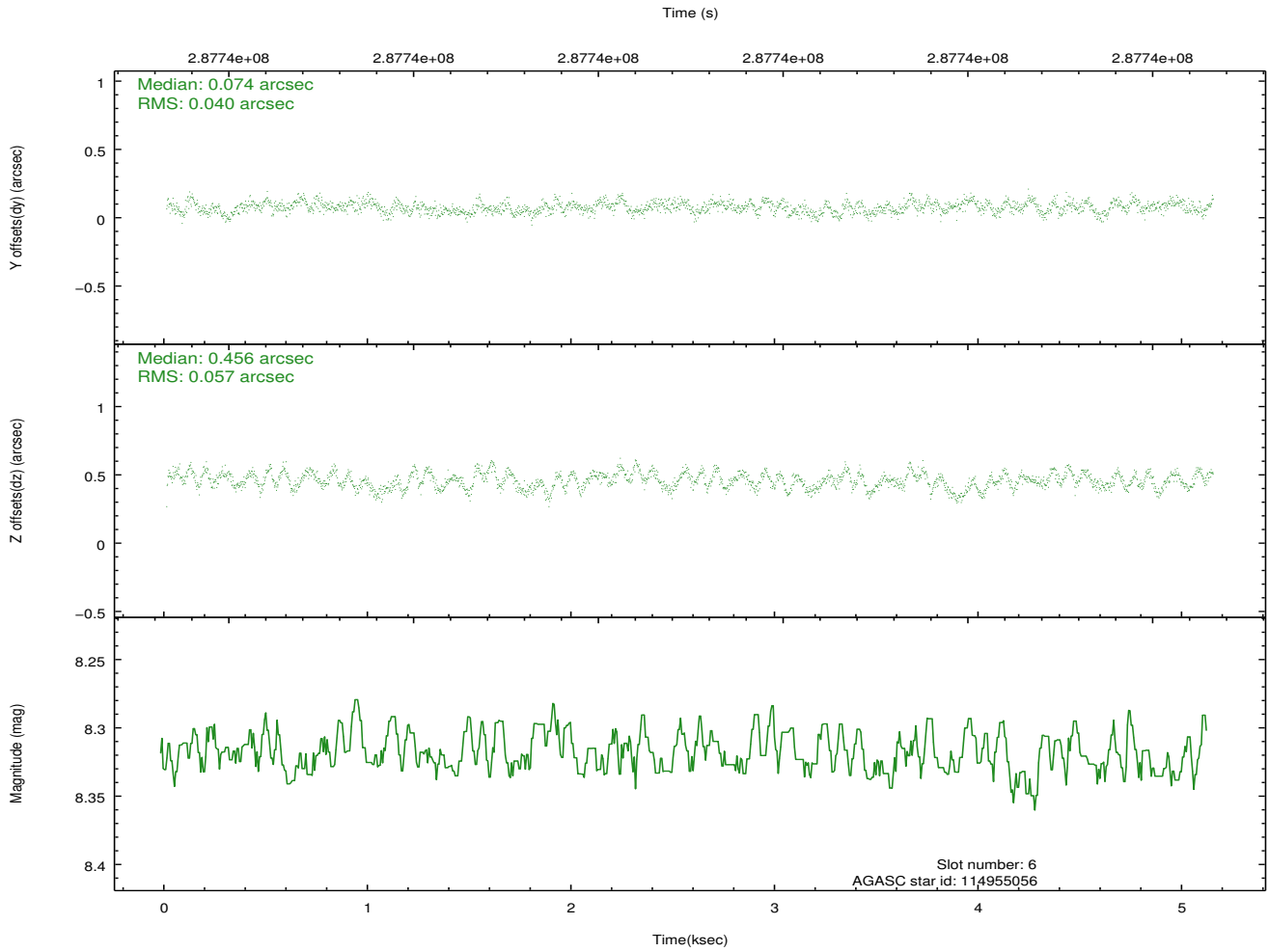
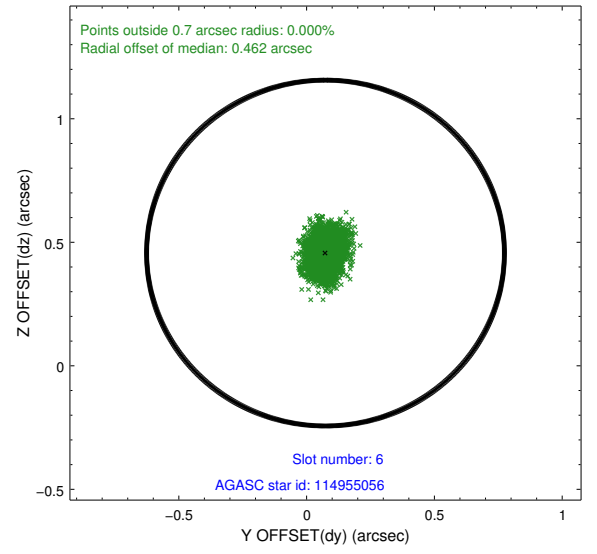
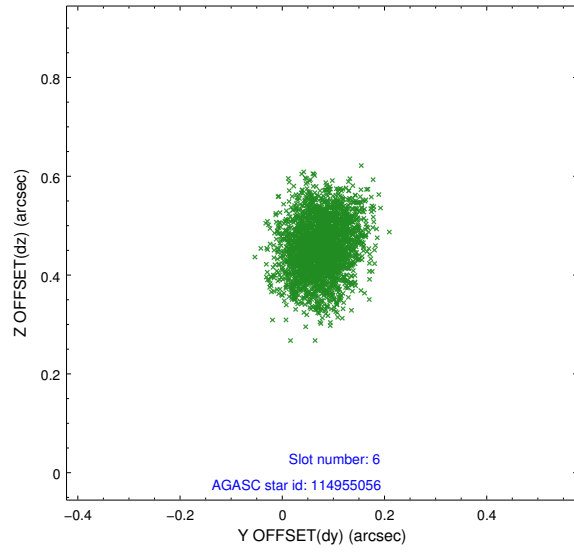
2.4.2 Slot 4



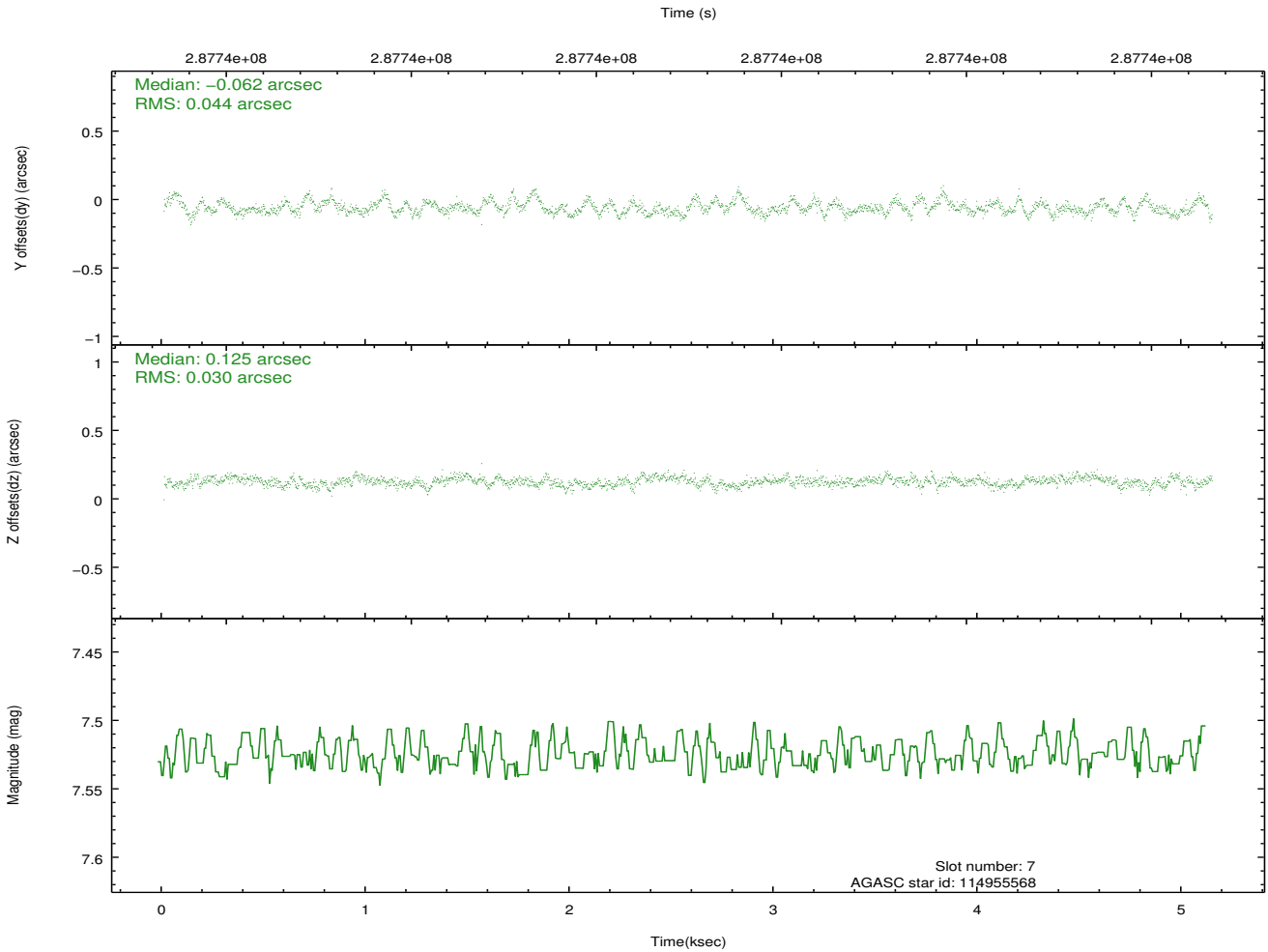
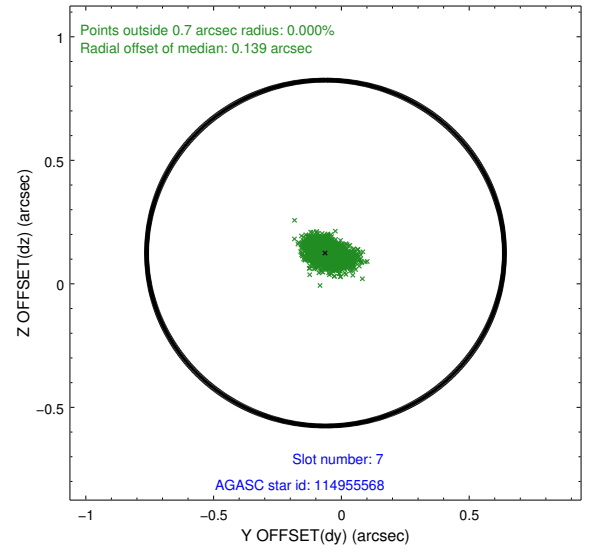
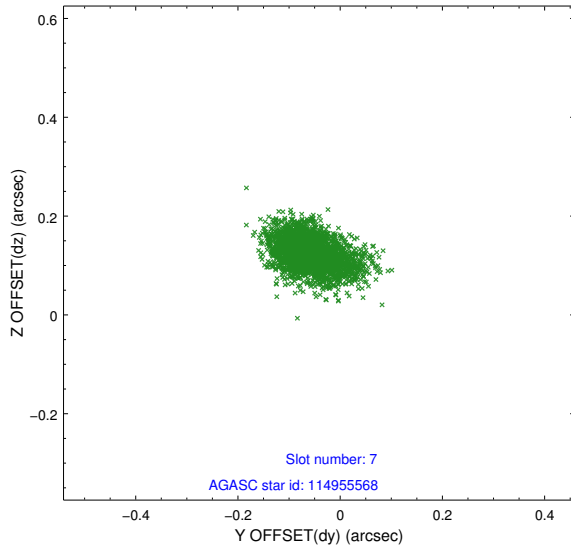
2.4.3 Slot 5



2.4.4 Slot 6

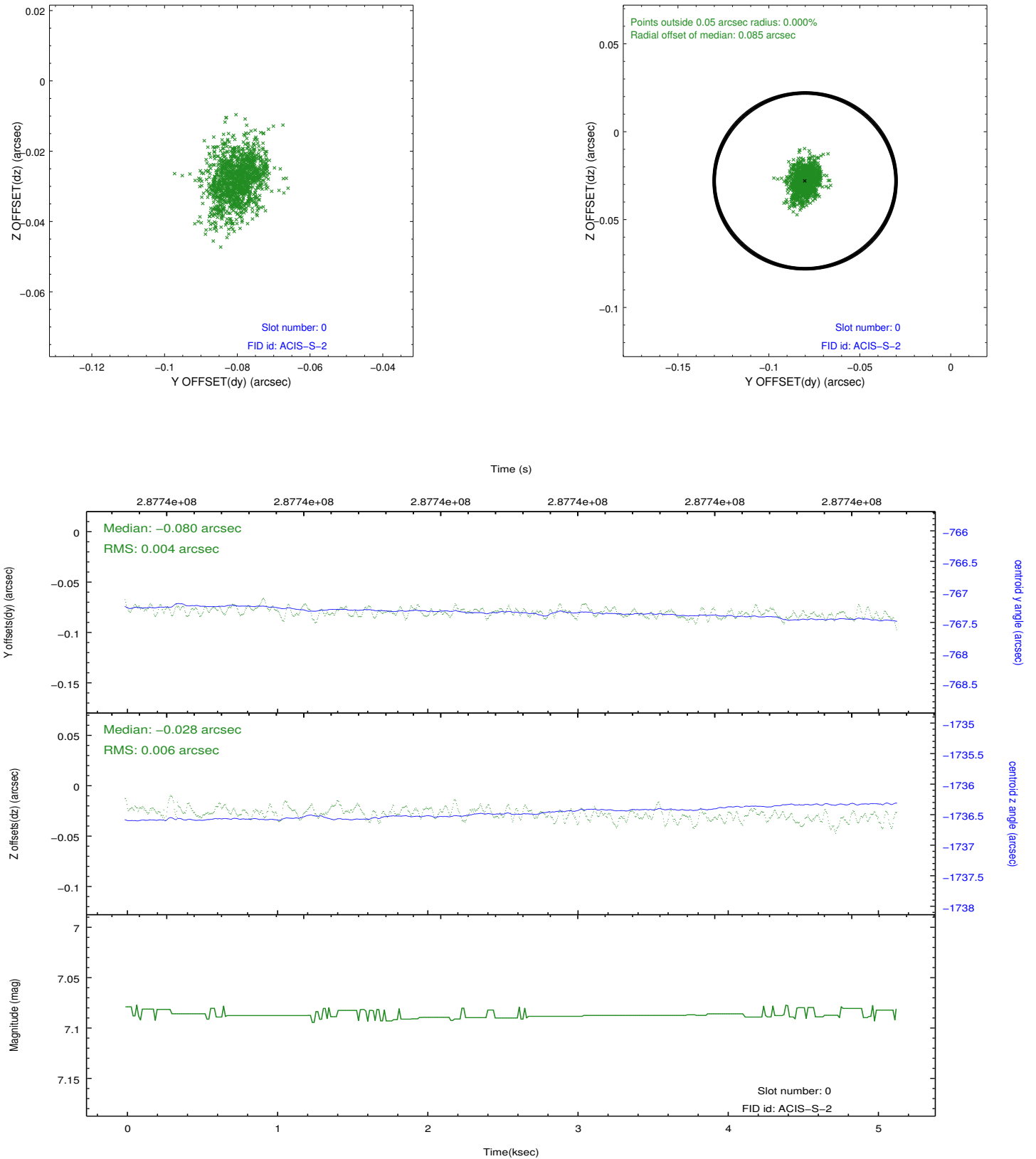


2.4.5 Slot 7

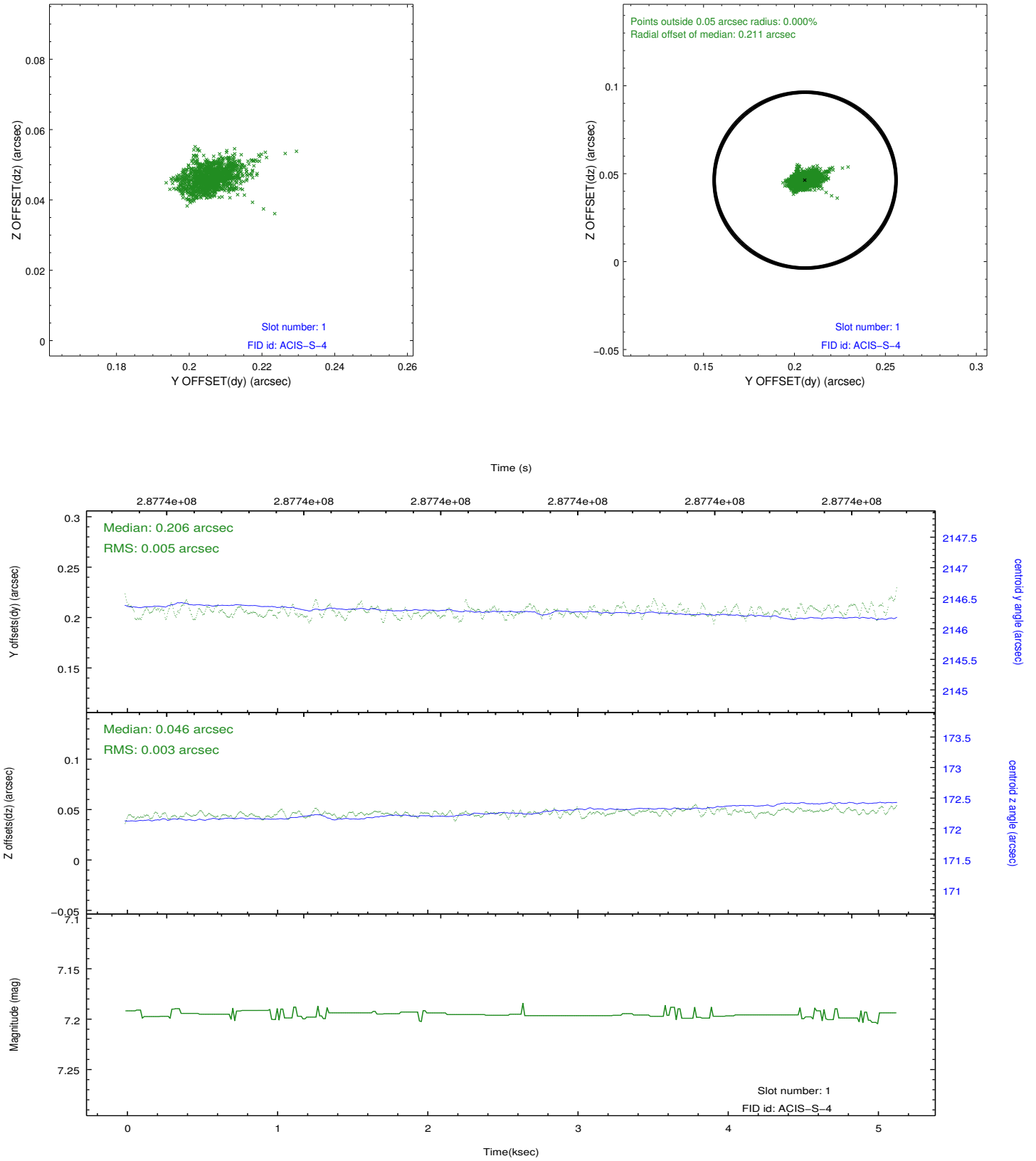


2.5 FID Slots

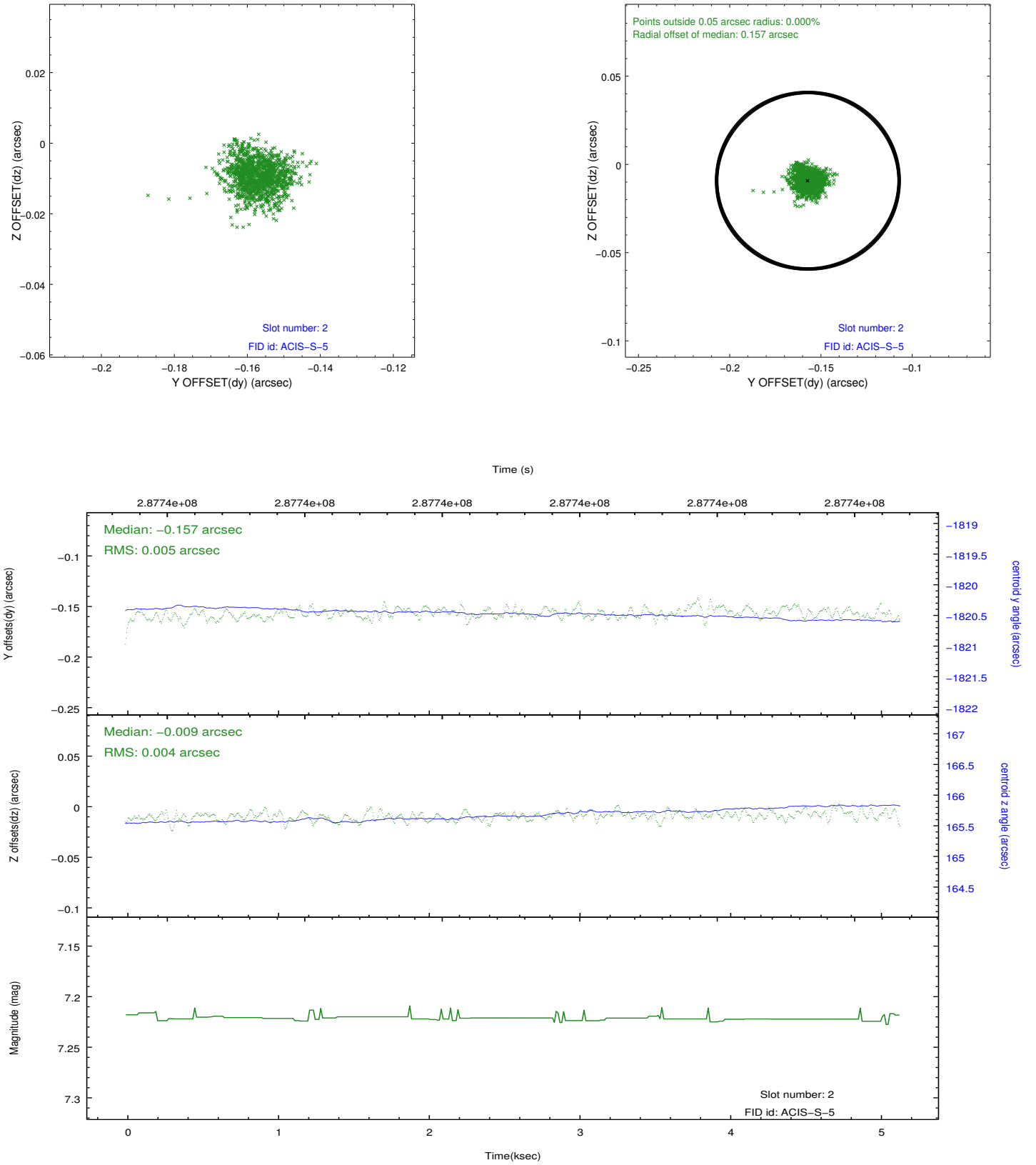
2.5.1 Slot 0



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)	2012.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14039969

A.2 Comments

Joint proposal with HST.