

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8579 - L2 Version 2
Chandra X-Ray Center

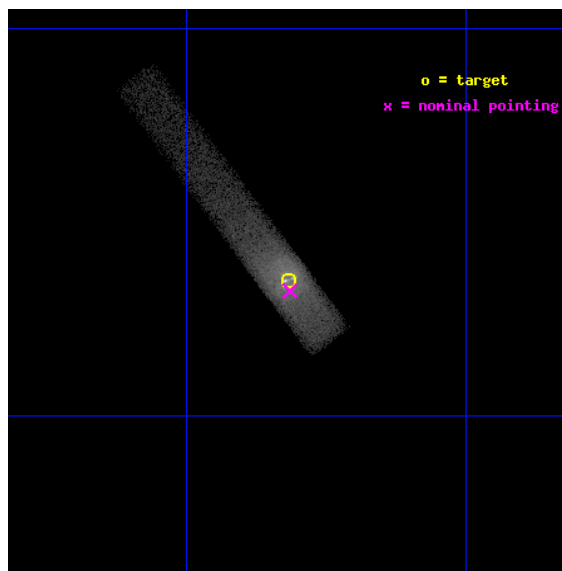
L2 Processing Date : May 14 2012

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1 Front

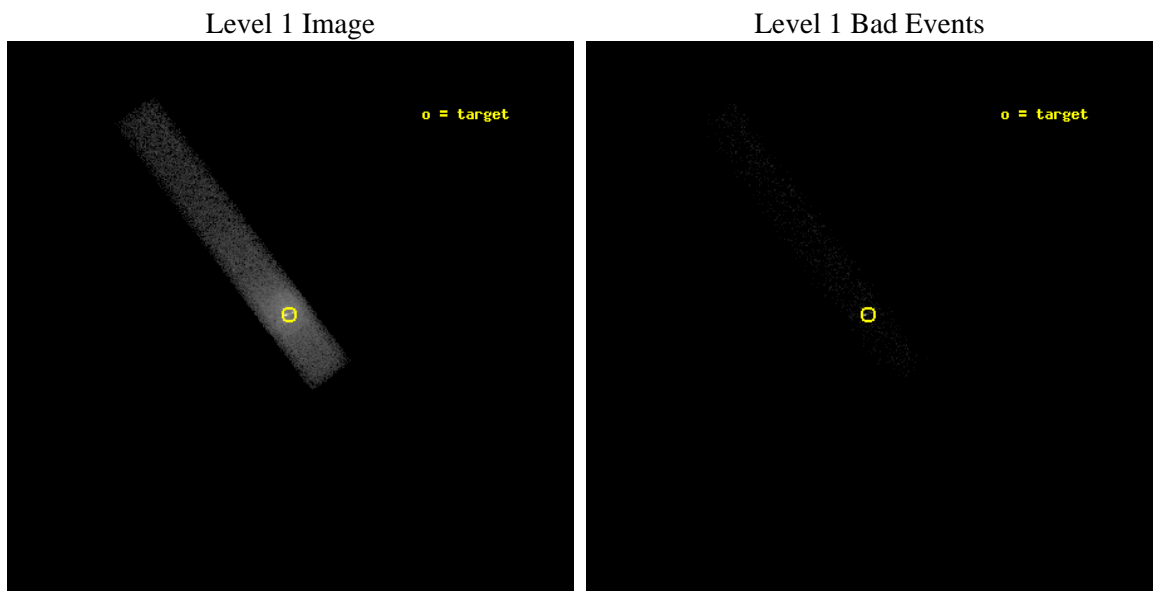
seq_num	701588	Sequence number
obs_id	8579	Observation id
title	Monitoring the Giant Flare of HST-1 in the M87 Jet	Proposal title
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70376583591	Nominal RA [deg]
dec_nom	12.386901942255	Nominal Dec [deg]
roll_nom	233.15672948246	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5188.3996907473	Sum of GTIs [s]
livetime	4705.604653317	Livetime [s]
ontime7	5188.3996907473	Sum of GTIs [s]
l2events	53816	Number of level 2 events



2 OBI

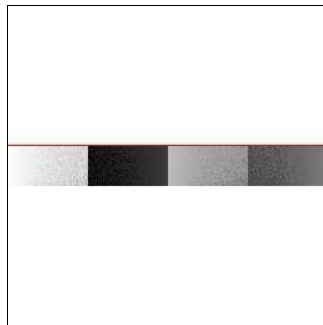
2.1 OBI

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	5188.3996907473	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5188.3996907473	Sum of GTIs [s]
date	2012-05-14T23:35:46	Date and time of file creation	l1events	62070	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	62070
rejected events	7584
rejected %	12%

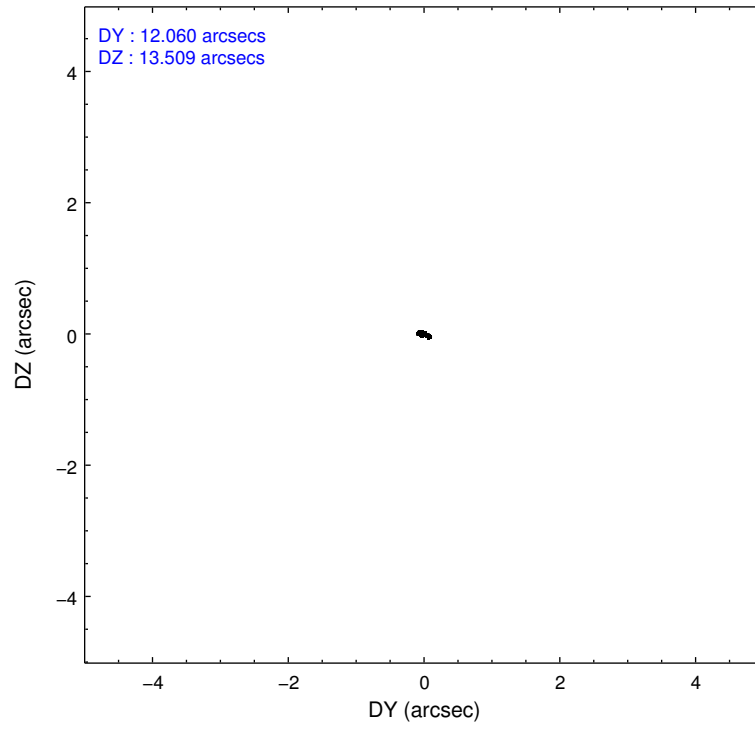
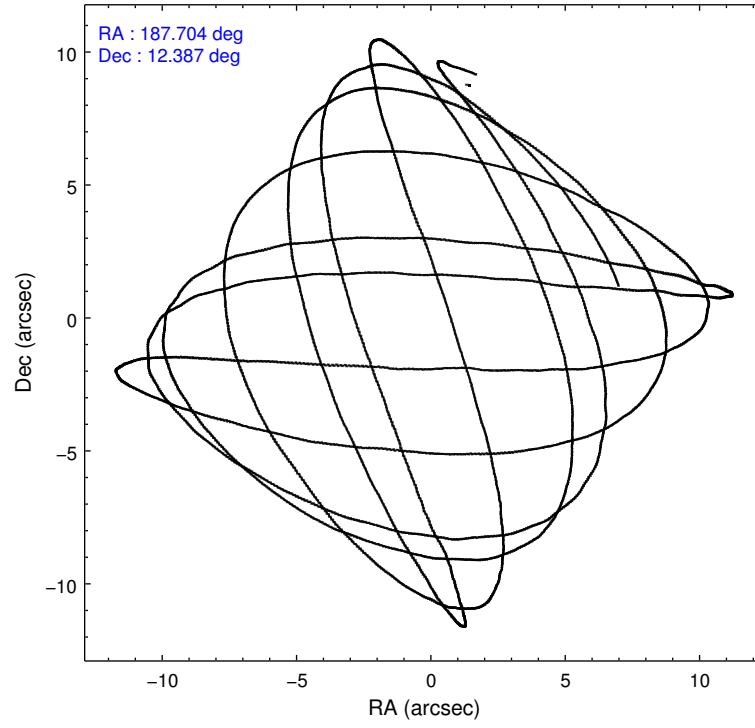
	ccd 7
grade 0 events	16488
	26%
grade 1 events	139
	0%
grade 2 events	14525
	23%
grade 3 events	6552
	10%
grade 4 events	6361
	10%
grade 5 events	1535
	2%
grade 6 events	11815
	19%
grade 7 events	4655
	7%

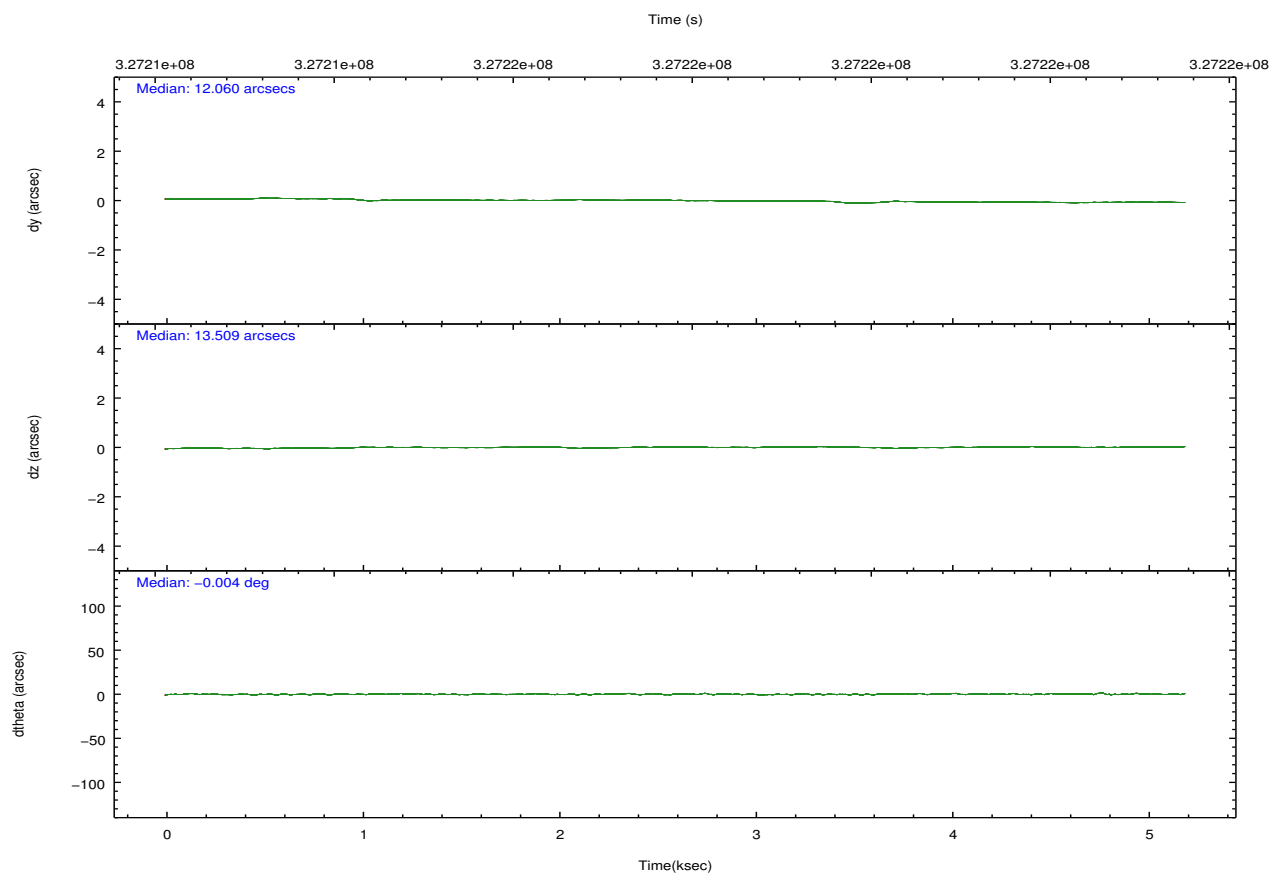
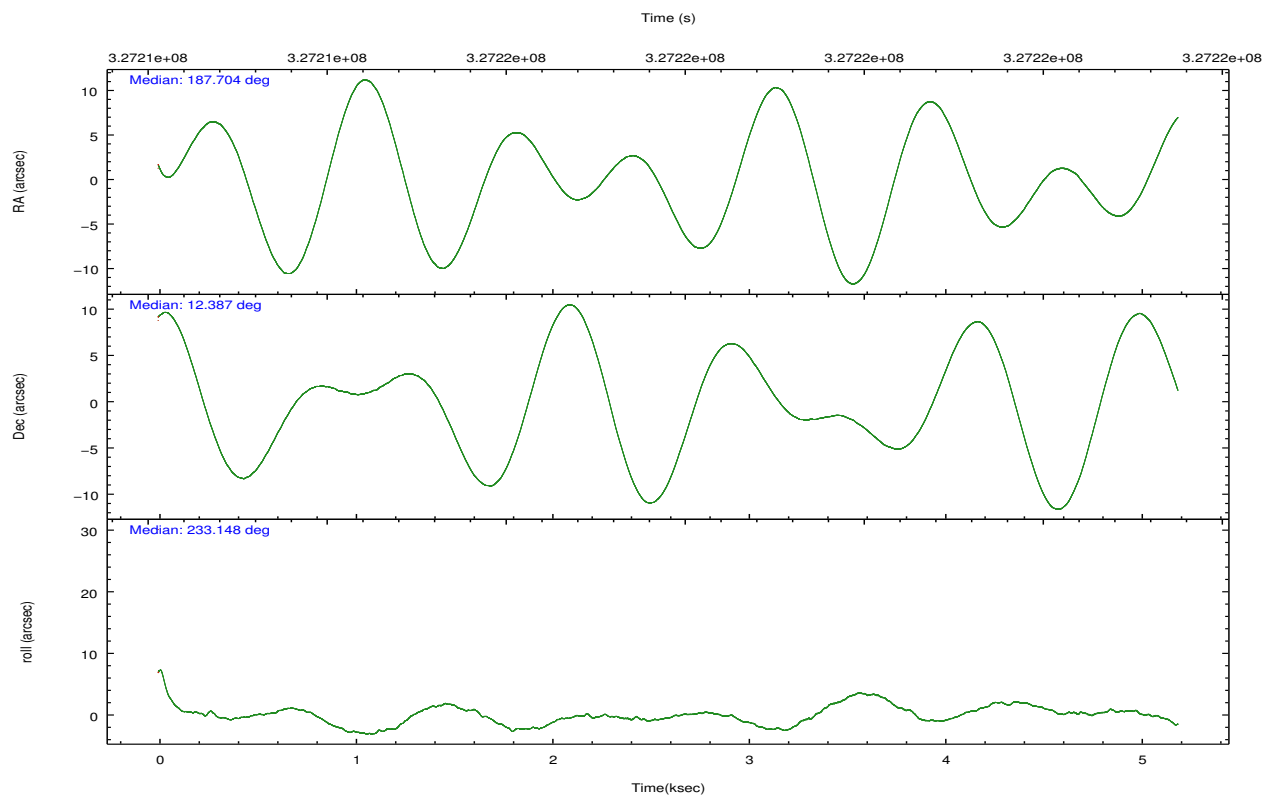
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	187.706676	187.7037658359097
[deg] Pointing Dec	12.414032	12.38690194225485
[deg] Pointing Roll	232.999463	233.1567294824579
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	327213493.184000	327212766.3955
Observation start date	2008-05-15T04:37:08	2008-05-15T04:26:06
[s] Observation end time (MET)	327218493.184000	327219124.98331
Observation end date	2008-05-15T06:00:28	2008-05-15T06:12:04
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	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



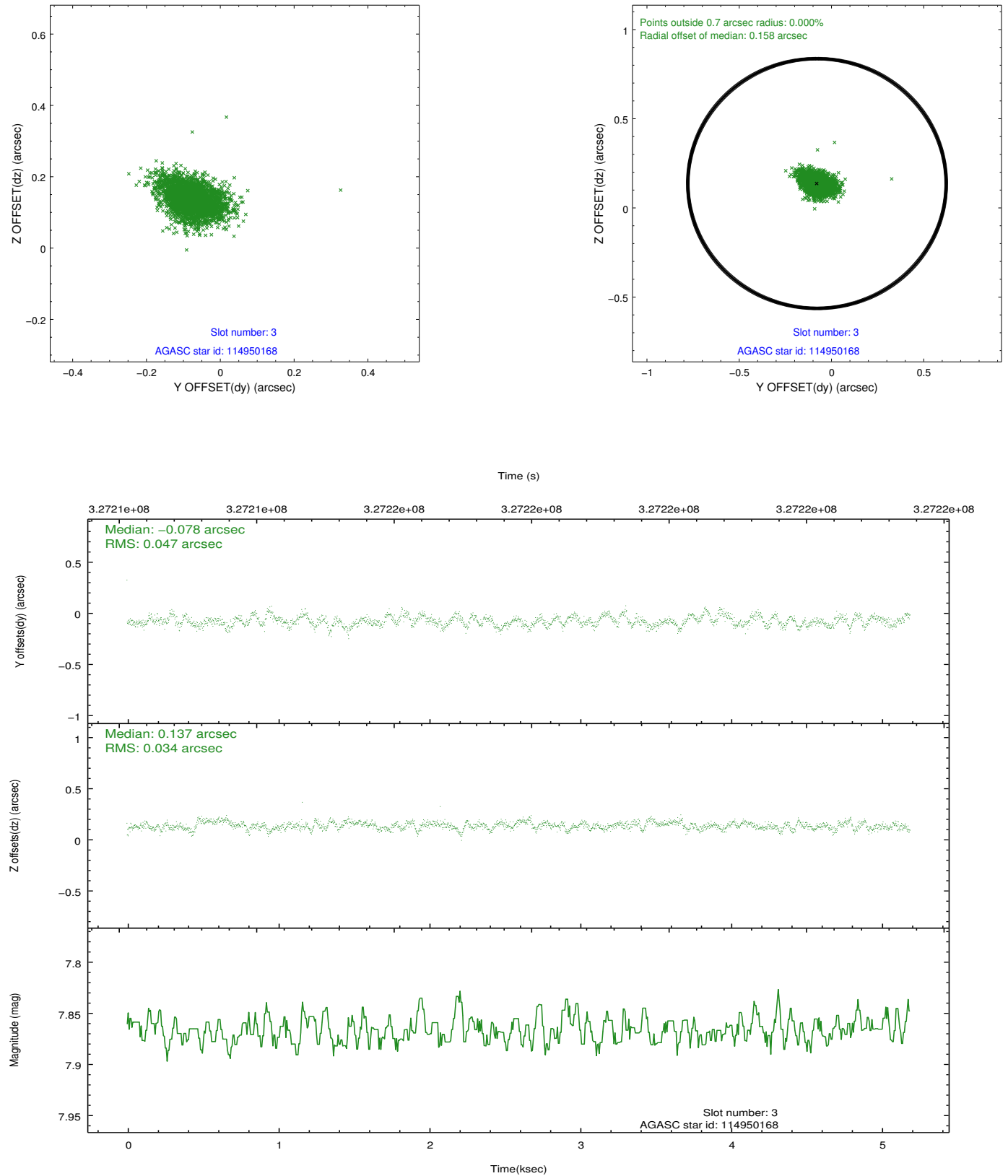


Slot Statistics

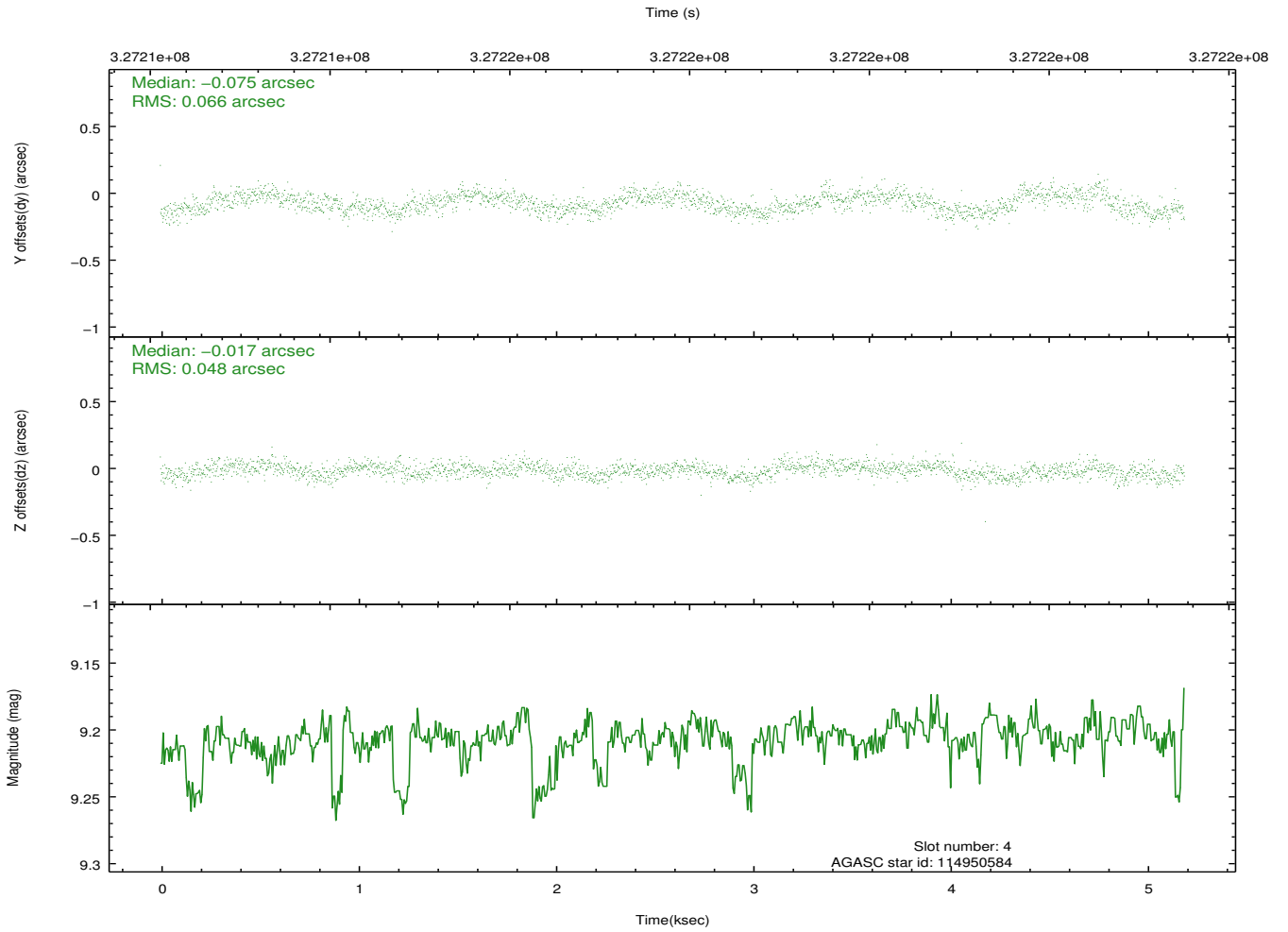
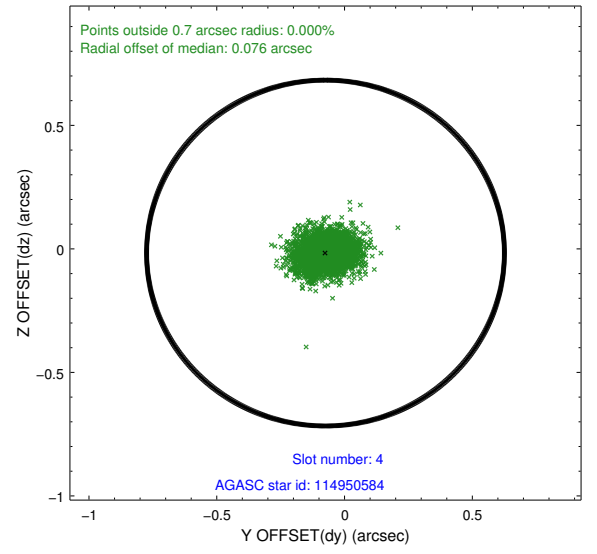
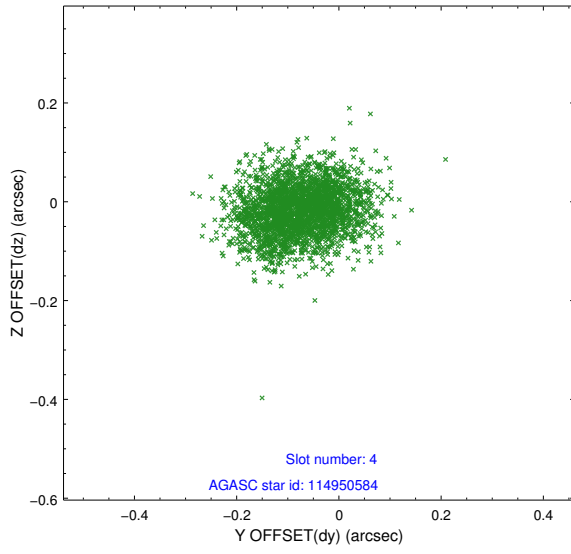
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1267	-0.024	-0.015	0.006	0.010	0.000000	0.000000	-764.97	-1734.86
1	FID	ACIS-S-4	6.97	1267	0.097	0.016	0.005	0.009	0.000000	0.000000	2147.90	172.44
2	FID	ACIS-S-5	7.00	1266	-0.105	0.008	0.006	0.011	0.000000	0.000000	-1816.39	167.44
3	GUIDE	114950168	7.87	2528	-0.078	0.137	0.061	0.102	187.143398	12.117441	2045.08	-941.50
4	GUIDE	114950584	9.21	2526	-0.075	-0.017	0.086	0.139	187.487323	11.827248	2153.44	653.63
5	GUIDE	114952824	8.57	2532	-0.024	0.183	0.063	0.101	187.703904	12.486727	-201.41	-165.09
6	GUIDE	114954440	9.17	2527	0.075	-0.045	0.108	0.174	186.915066	12.219118	2233.99	-1803.66
7	GUIDE	114955056	8.32	2532	0.098	-0.262	0.069	0.109	187.914001	12.127854	384.89	1201.63

2.4 Star Slots

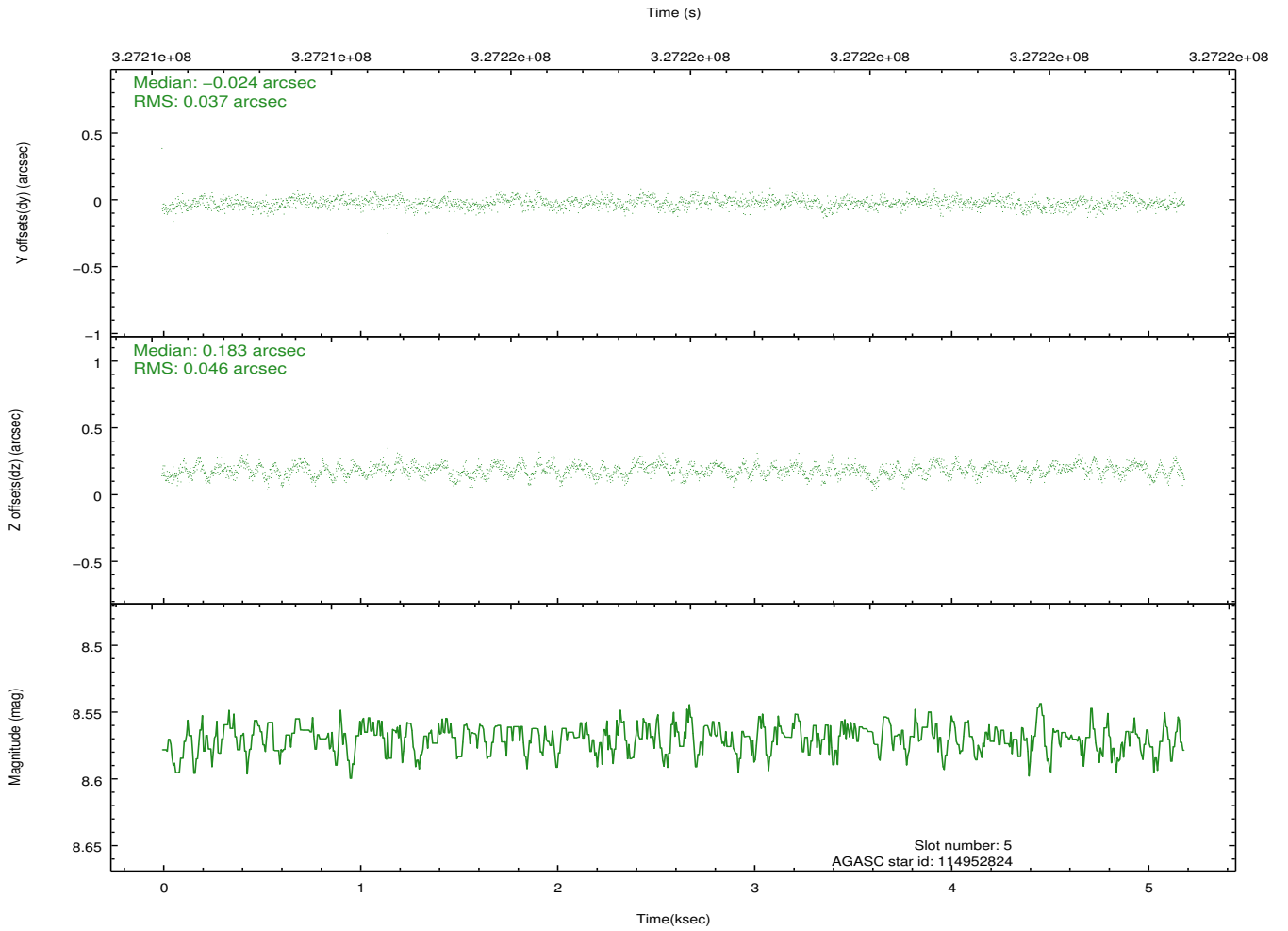
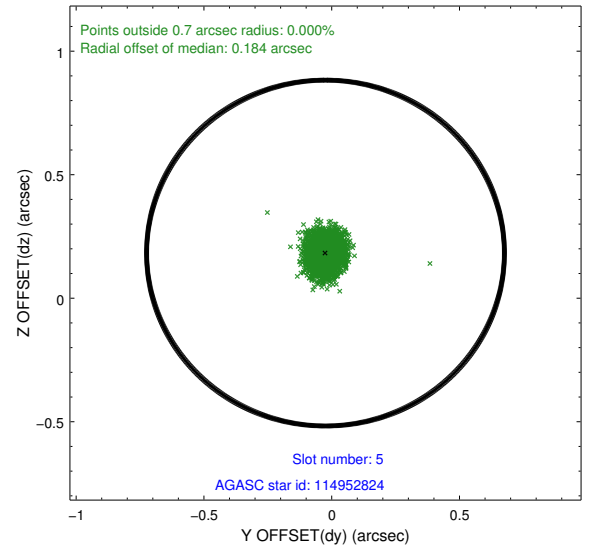
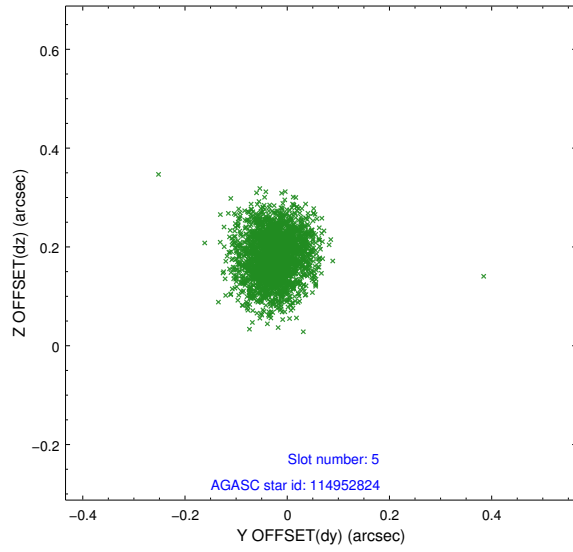
2.4.1 Slot 3



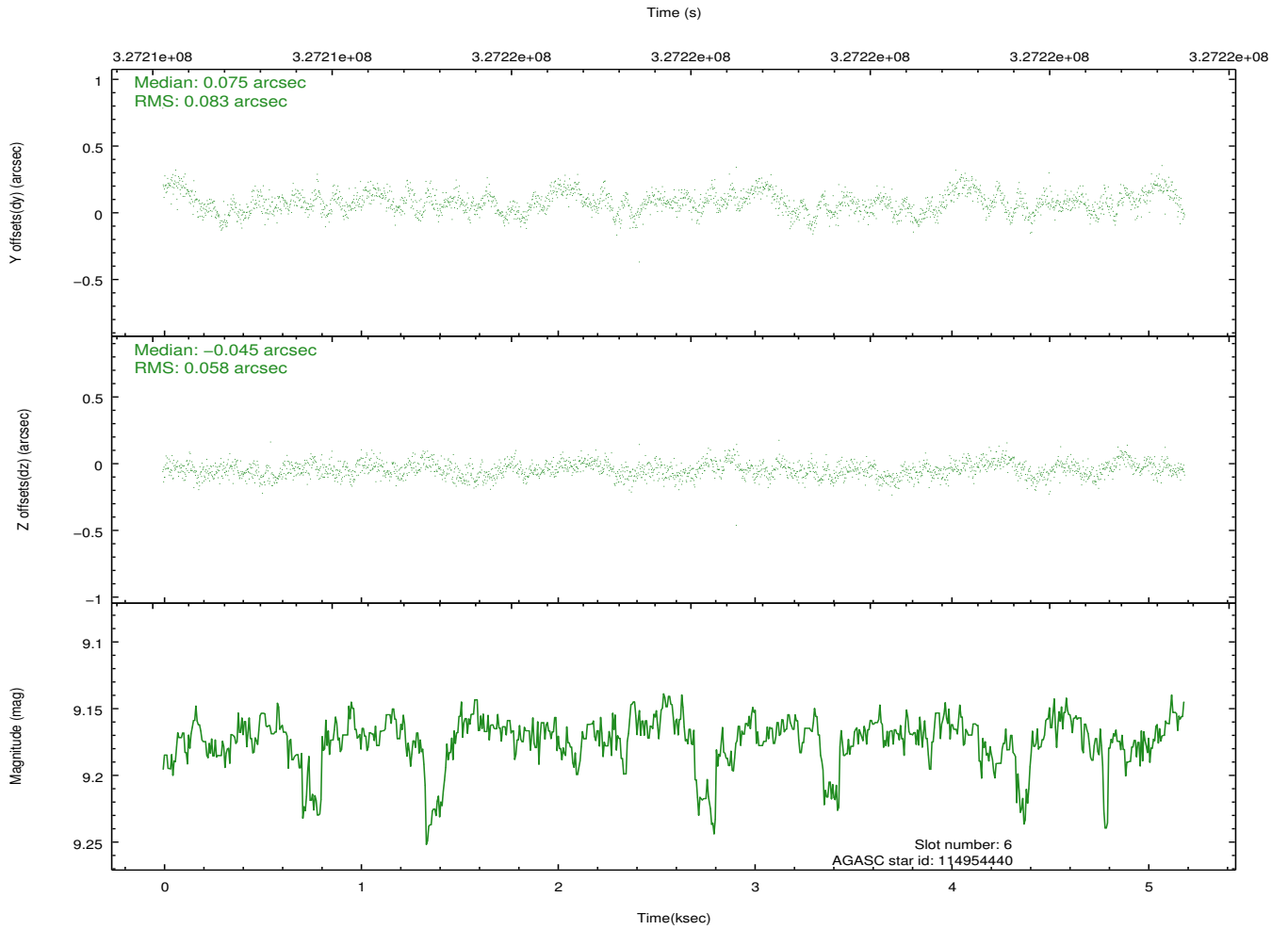
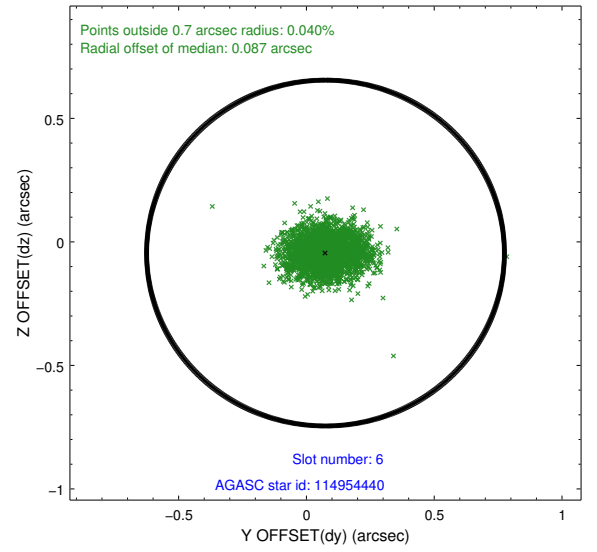
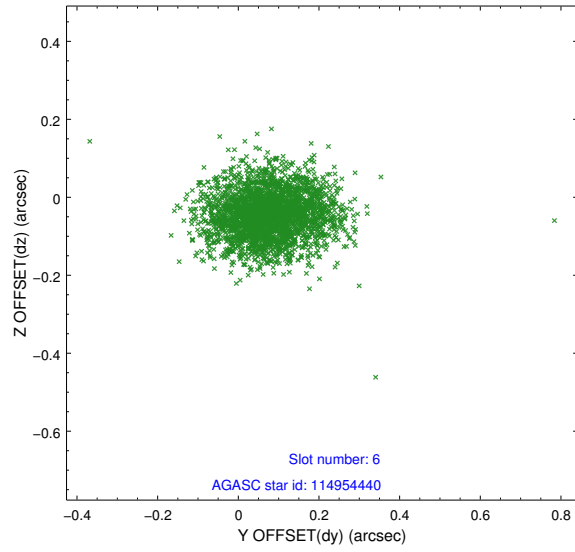
2.4.2 Slot 4



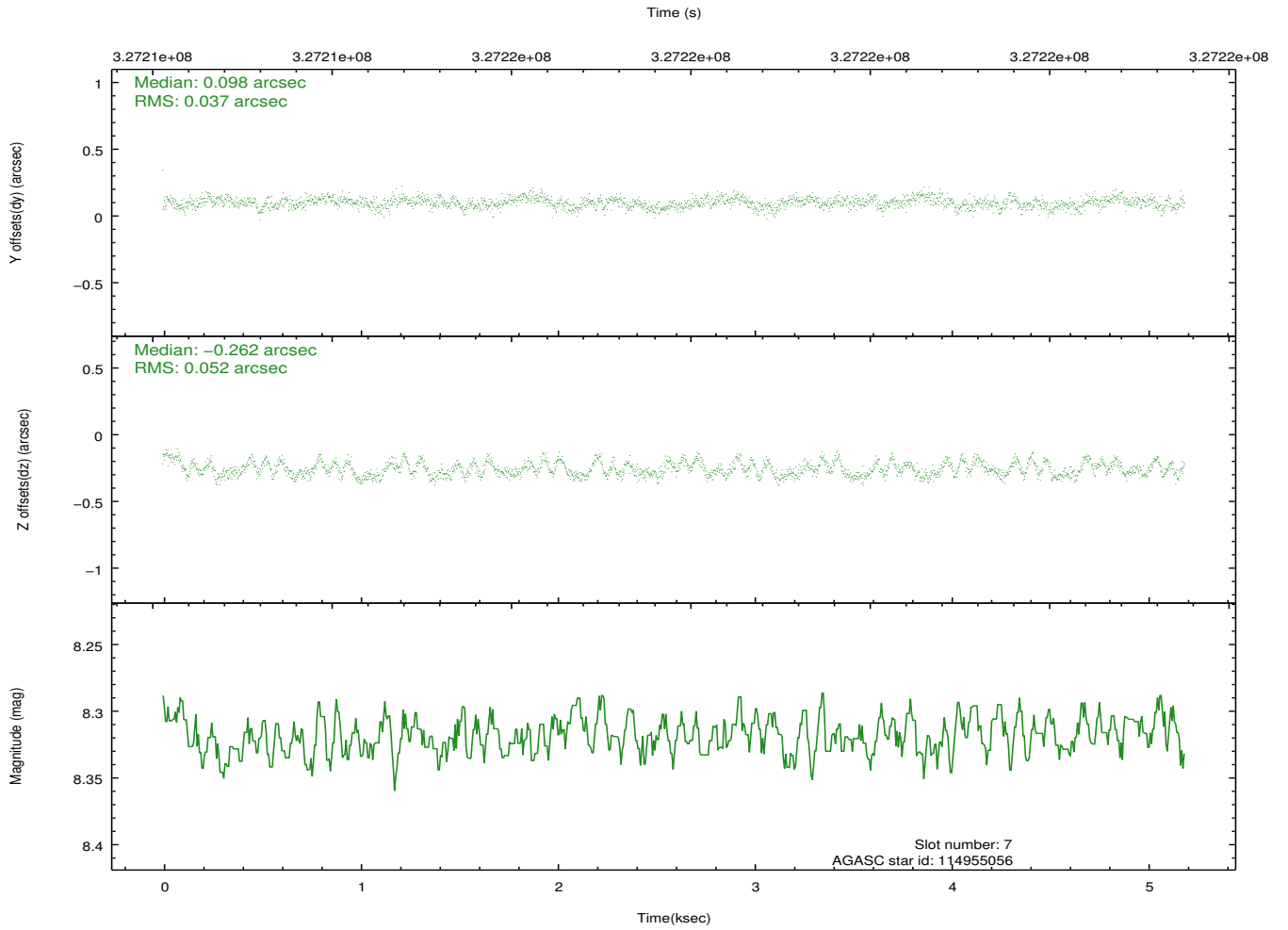
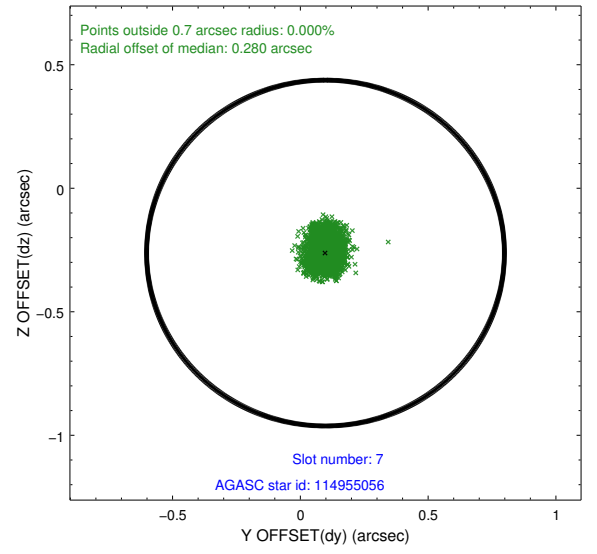
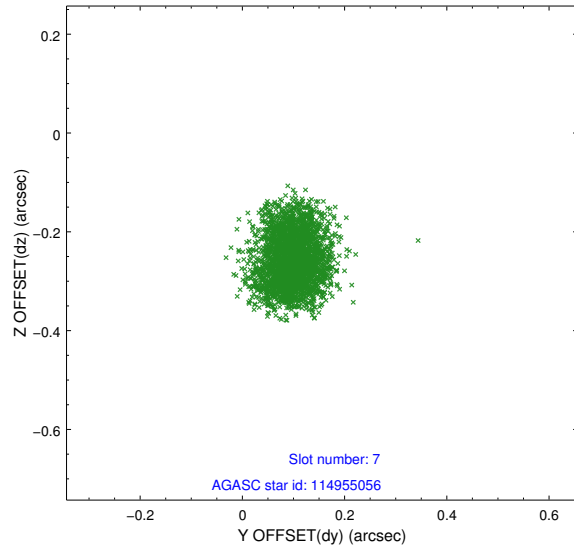
2.4.3 Slot 5



2.4.4 Slot 6

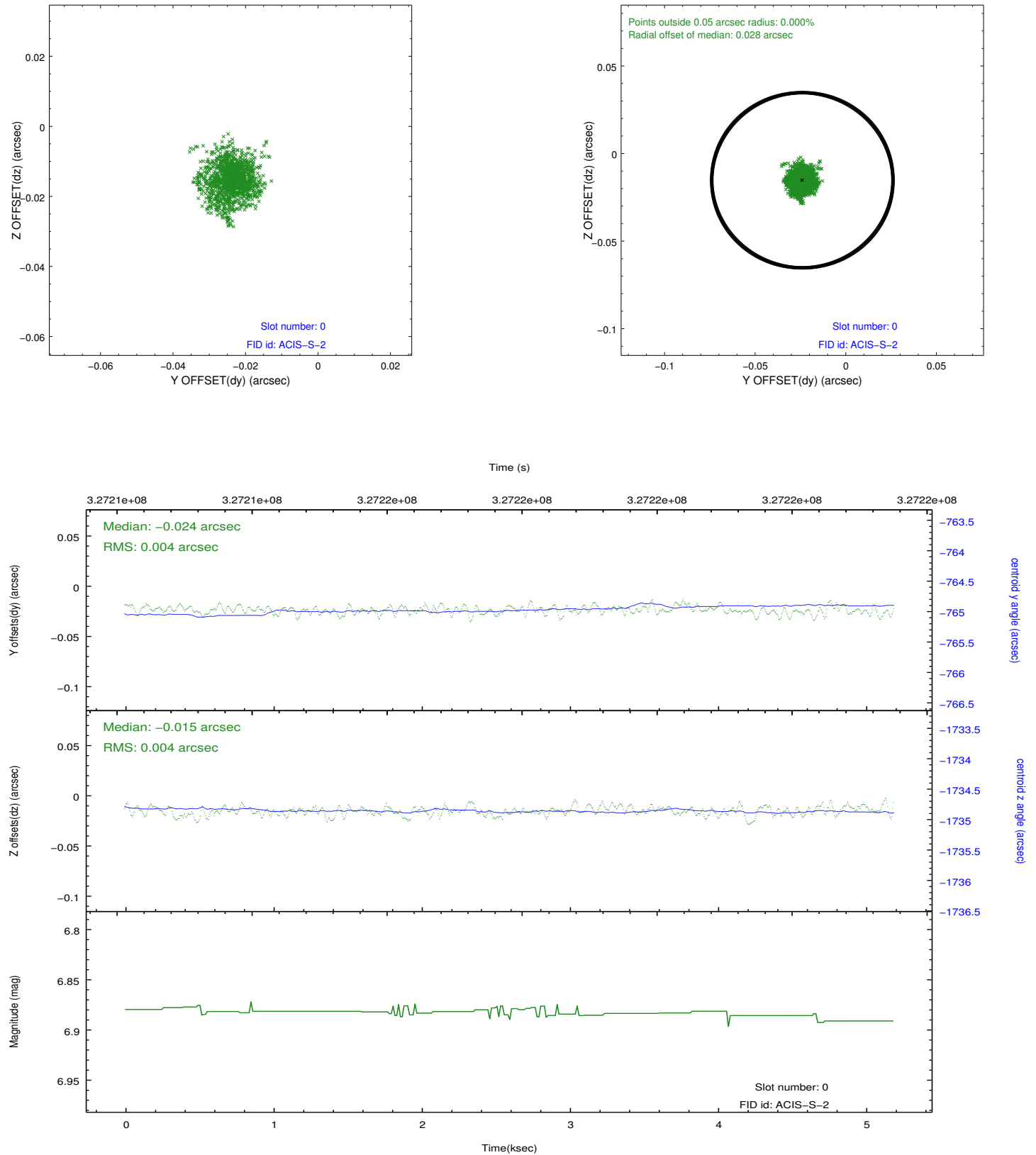


2.4.5 Slot 7

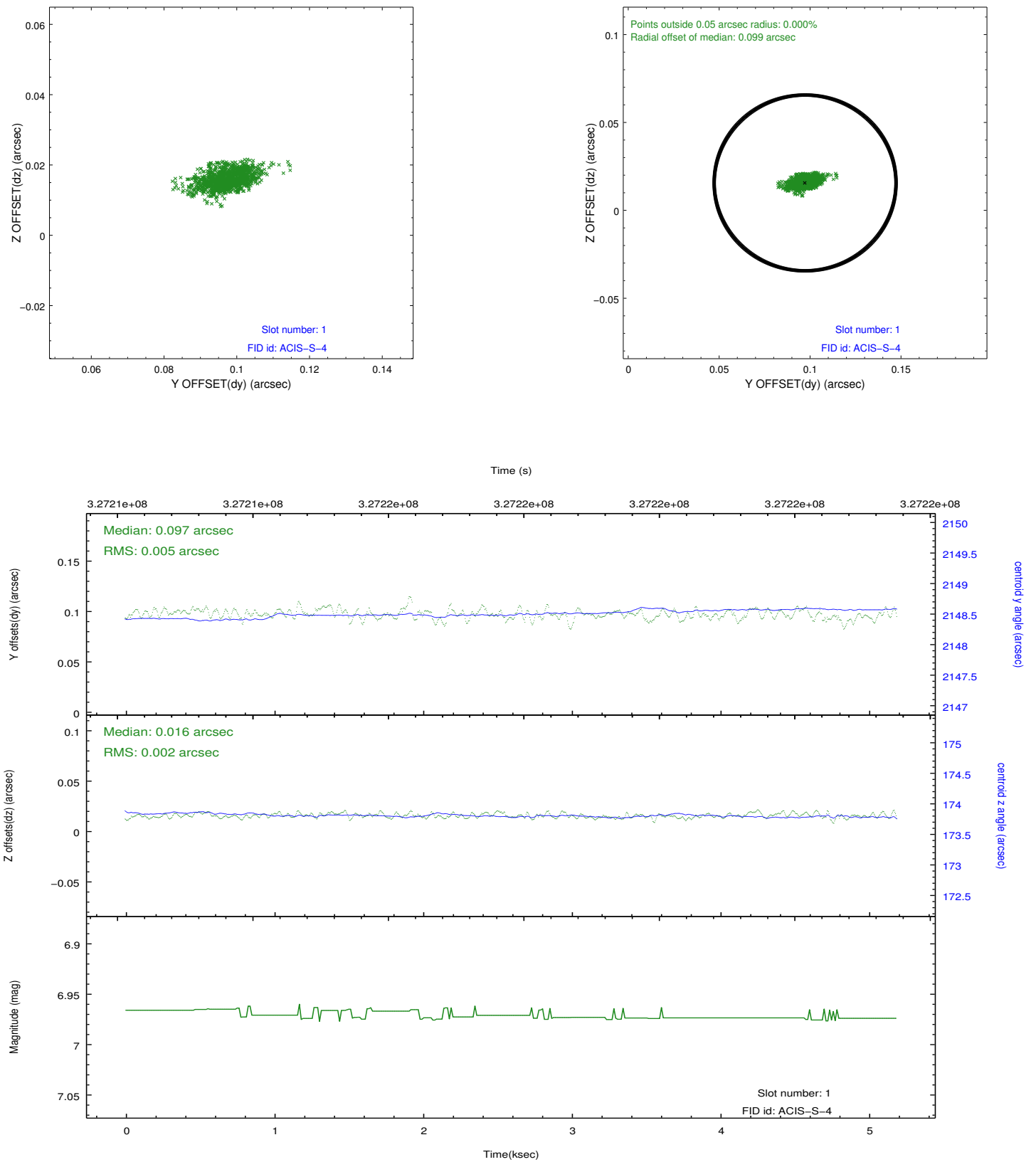


2.5 FID Slots

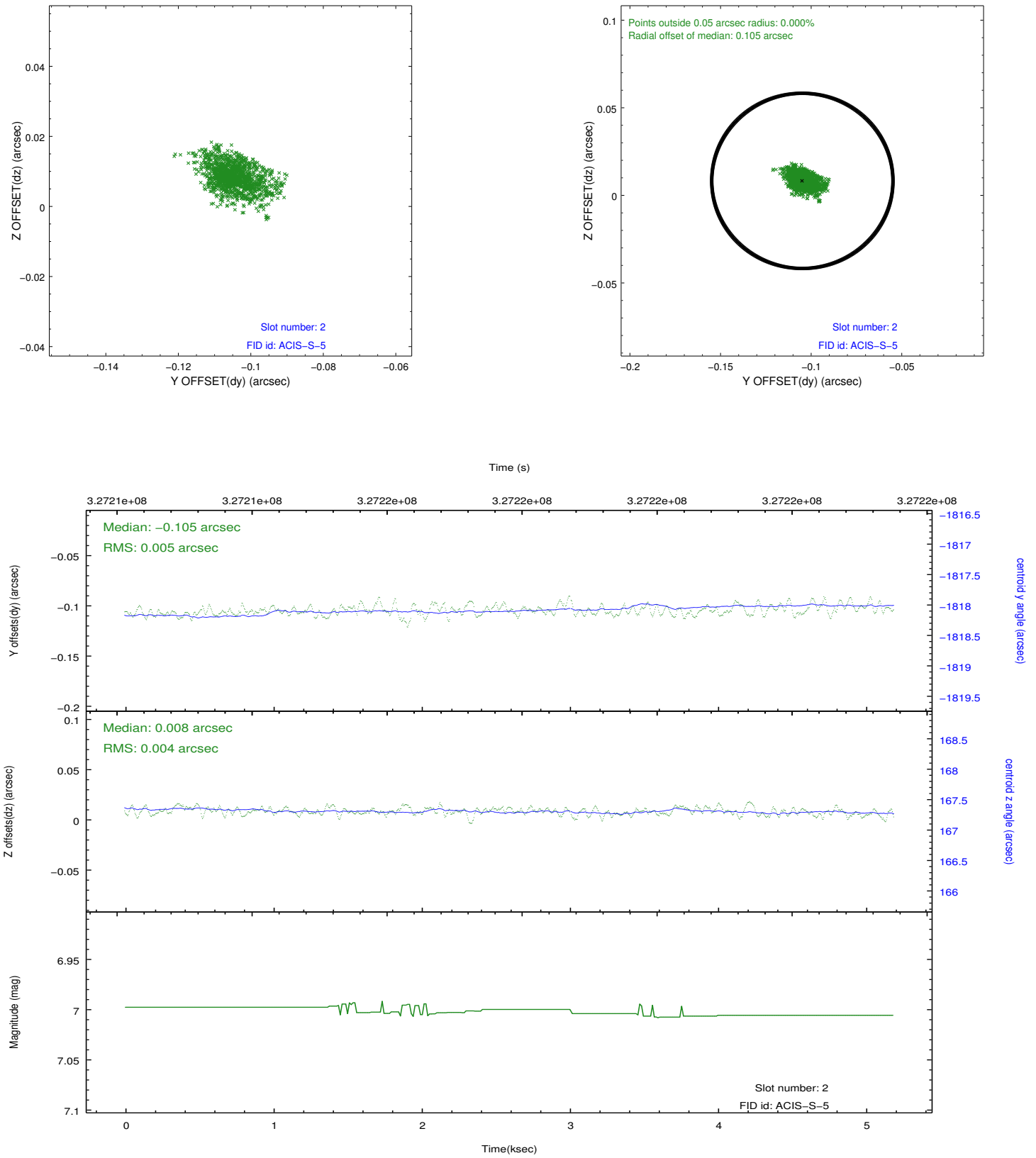
2.5.1 Slot 0



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)	2012.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18839969

A.2 Comments

Joint proposal with HST.