

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8577 - L2 Version 2
Chandra X-Ray Center

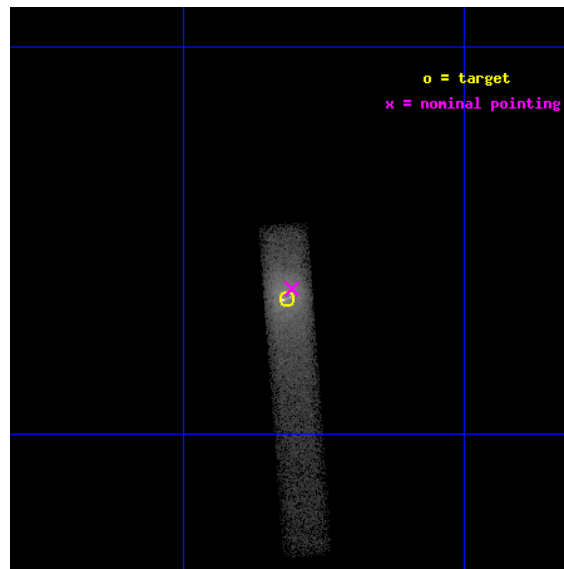
L2 Processing Date : May 9 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

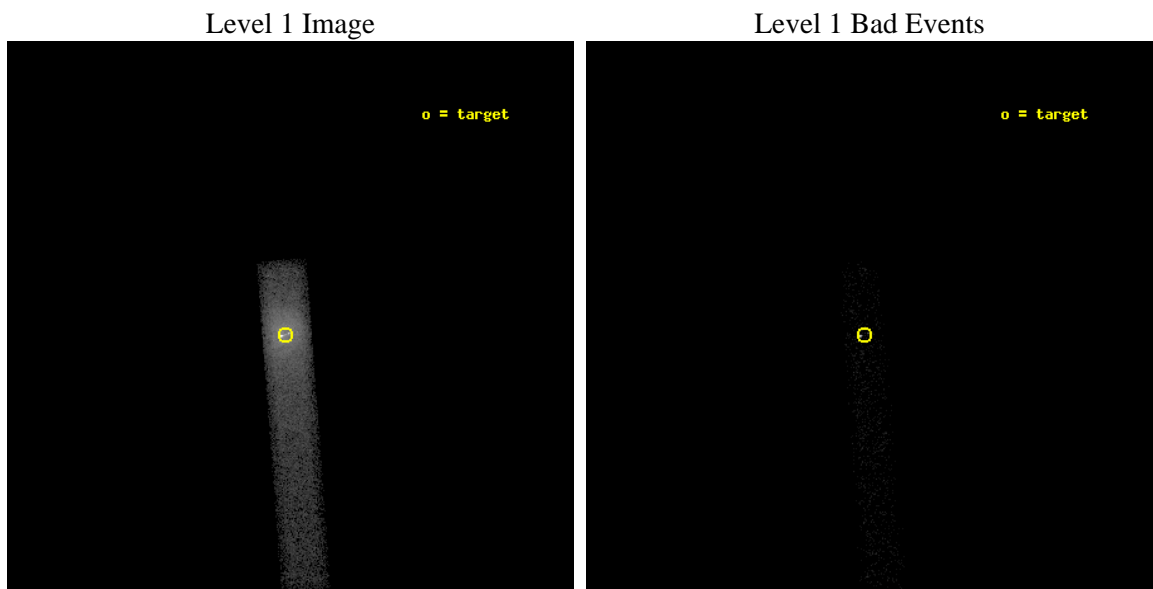
seq_num	701586	Sequence number
obs_id	8577	Observation id
title	Monitoring the Giant Flare of HST-1 in the M87 Jet	Proposal title
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70187802823	Nominal RA [deg]
dec_nom	12.395966232645	Nominal Dec [deg]
roll_nom	85.620533042776	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5137.5996937752	Sum of GTIs [s]
livetime	4659.531737507	Livetime [s]
ontime7	5137.5996937752	Sum of GTIs [s]
l2events	55487	Number of level 2 events



2 OBI

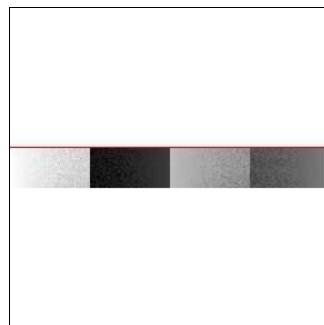
2.1 OBI

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	8.4.4	Processing system revision	ontime	5137.5996937752	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5137.5996937752	Sum of GTIs [s]
date	2012-05-09T18:35:53	Date and time of file creation	l1events	65926	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

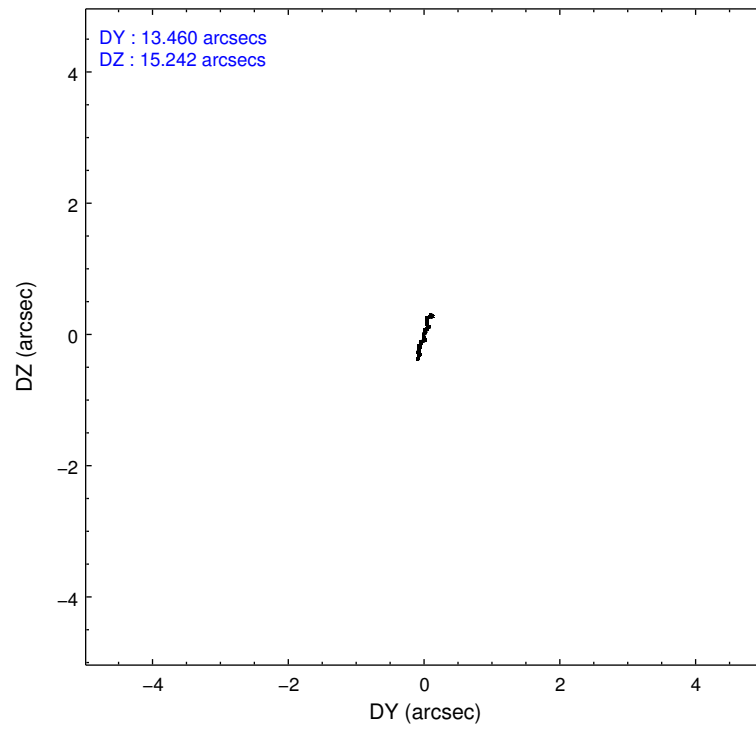
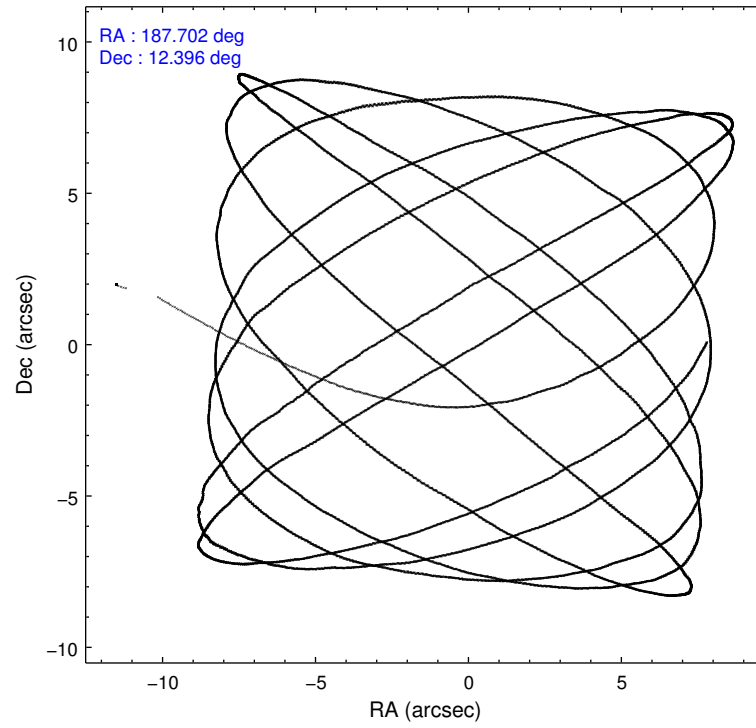
	ccd 7
level 1 events	65926
rejected events	9831
rejected %	14%

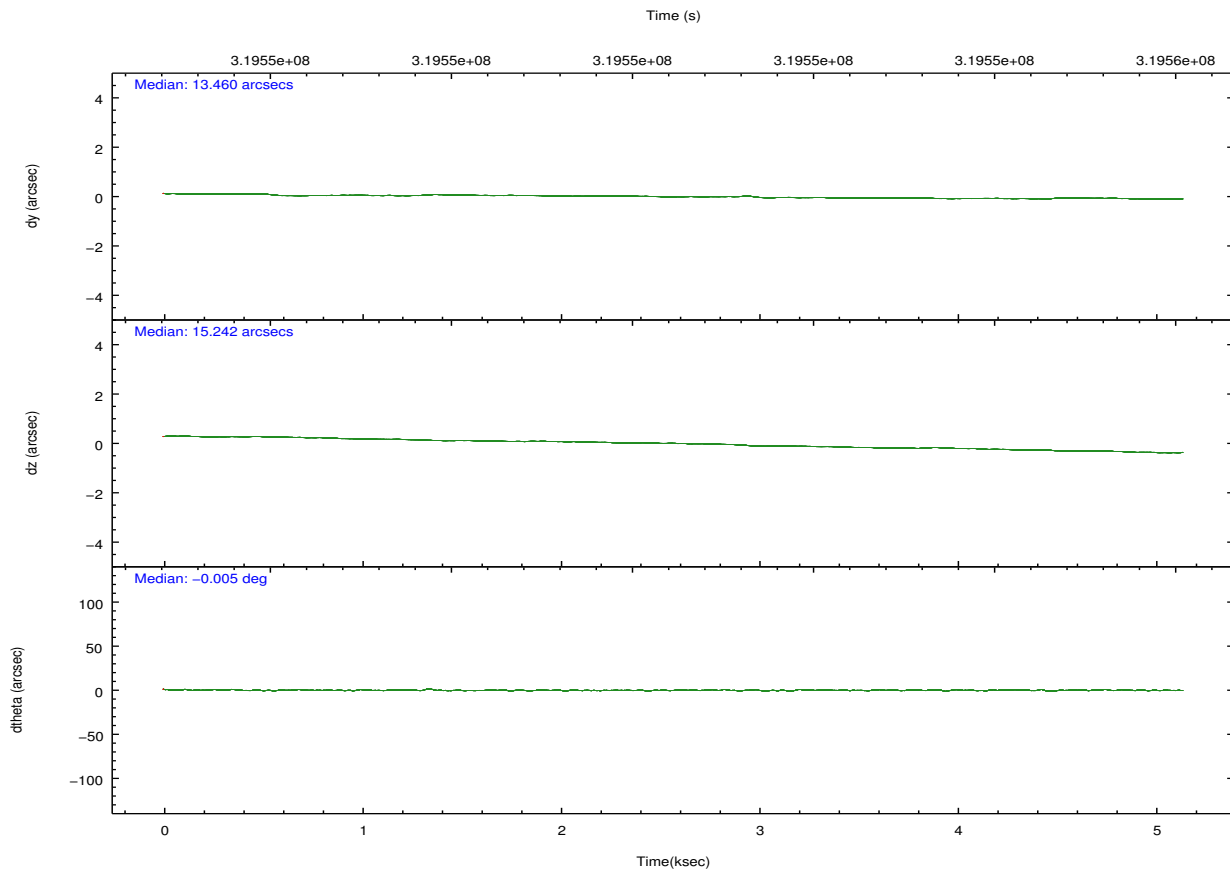
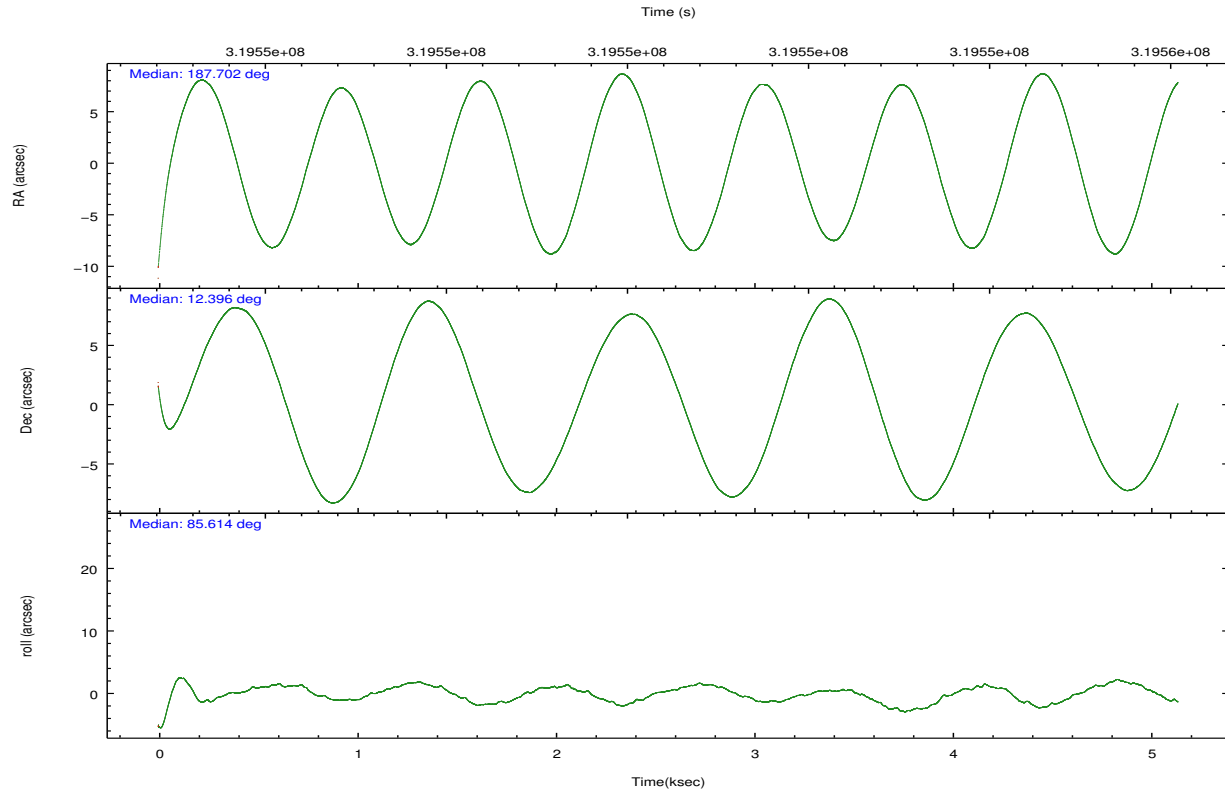
	ccd 7
grade 0 events	17255
	26%
grade 1 events	247
	0%
grade 2 events	15054
	22%
grade 3 events	6797
	10%
grade 4 events	6799
	10%
grade 5 events	1895
	2%
grade 6 events	12416
	18%
grade 7 events	5463
	8%

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	187.714344	187.7018780282263	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.371484	12.39596623264474	Subarray start row	449	449
[deg] Pointing Roll	85.461249	85.62053304277617	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)	319549795.184000	319548612.44759			
Observation start date	2008-02-16T11:48:50	2008-02-16T11:30:12			
[s] Observation end time (MET)	319554795.184000	319555422.54792			
Observation end date	2008-02-16T13:12:10	2008-02-16T13:23:42			
Read mode	TIMED	TIMED			

2.3 Aspect



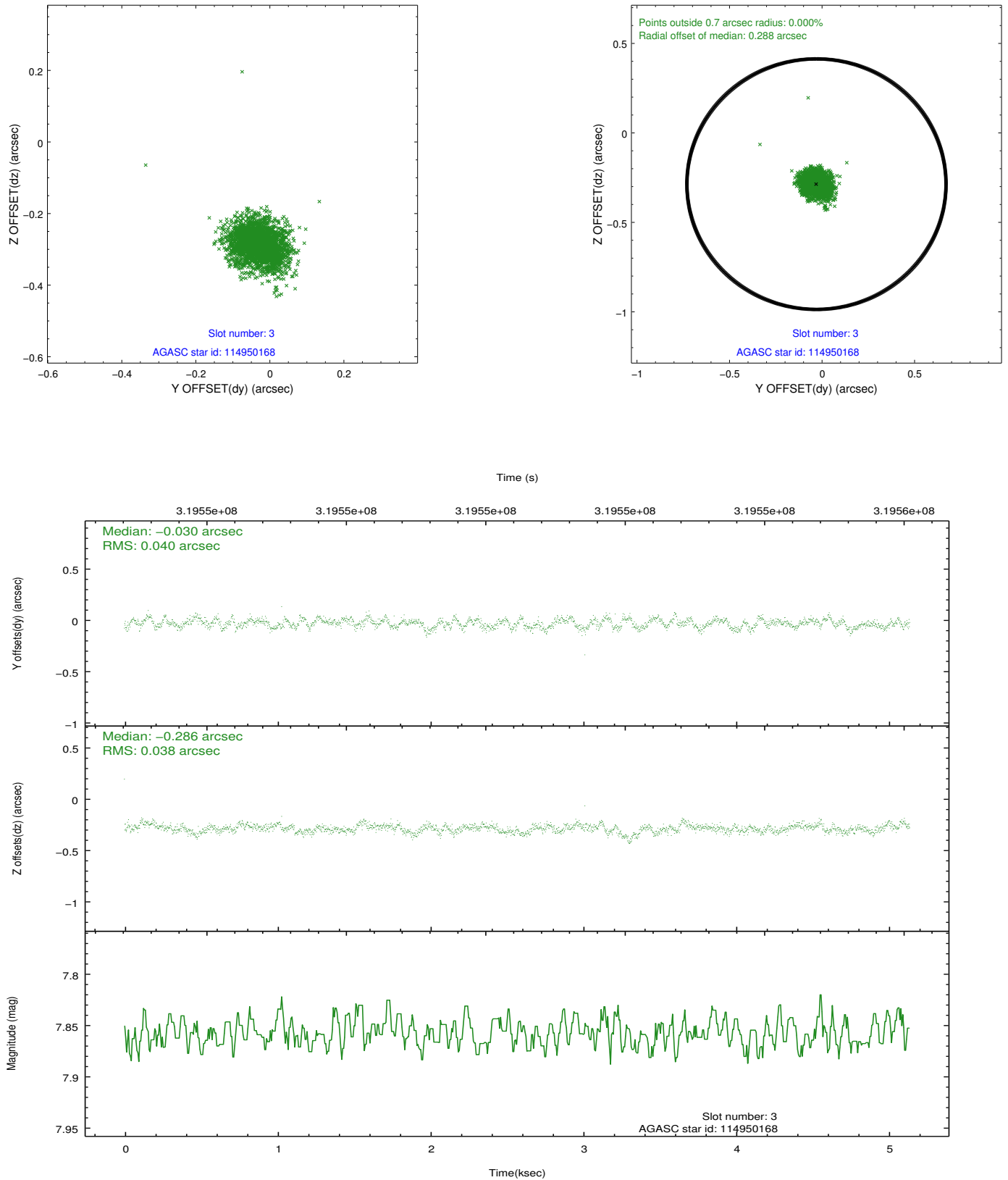


Slot Statistics

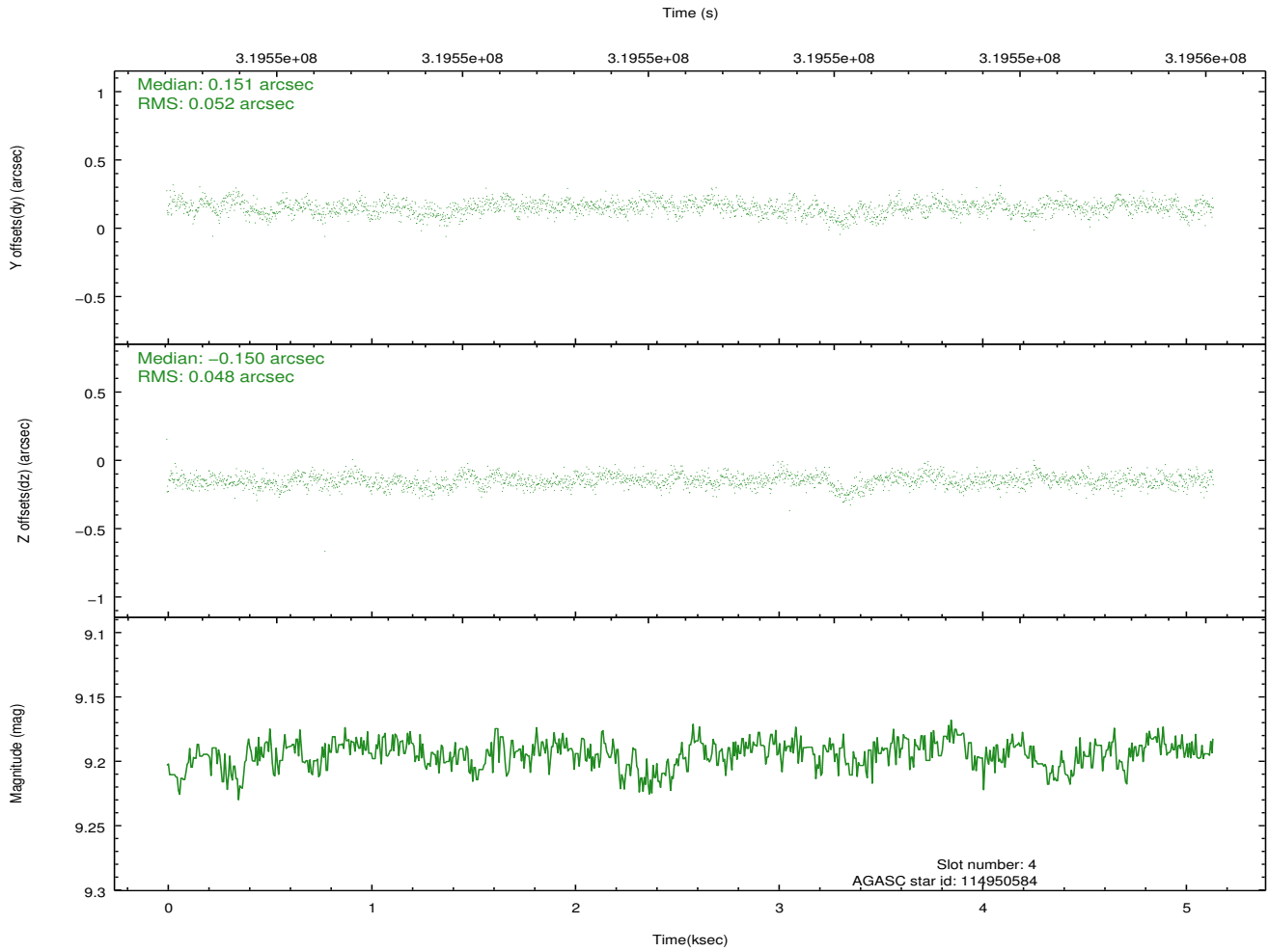
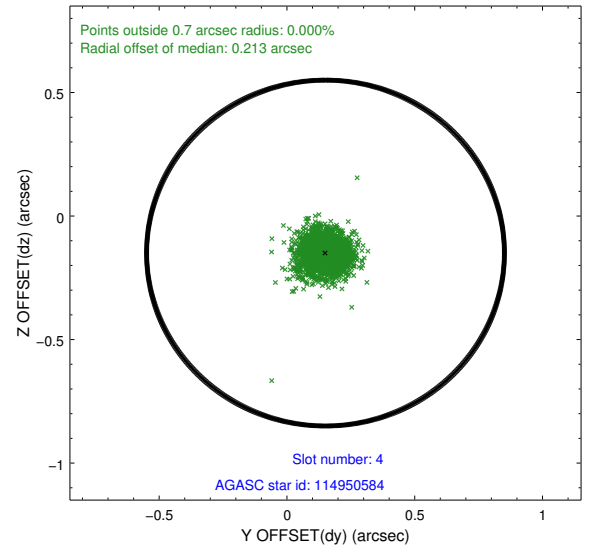
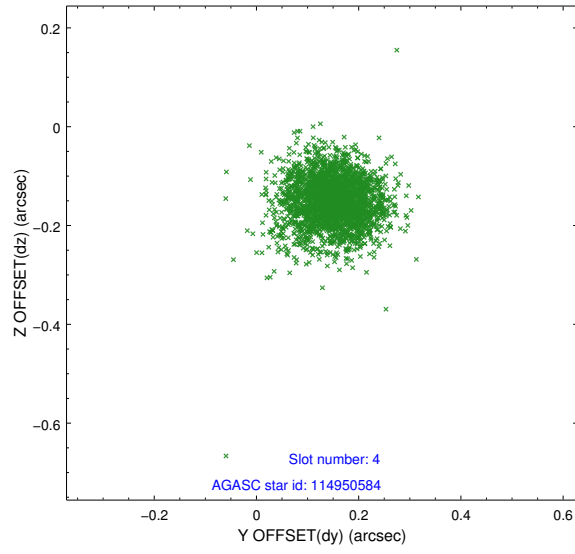
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1254	-0.054	-0.028	0.008	0.012	0.000000	0.000000	-766.41	-1736.59
1	FID	ACIS-S-4	7.19	1254	0.178	0.034	0.008	0.014	0.000000	0.000000	2146.53	170.77
2	FID	ACIS-S-5	7.22	1254	-0.155	0.003	0.008	0.012	0.000000	0.000000	-1817.87	165.69
3	GUIDE	114950168	7.86	2508	-0.030	-0.286	0.057	0.093	187.143398	12.117441	-1068.93	1931.04
4	GUIDE	114950584	9.19	2507	0.151	-0.150	0.074	0.121	187.487323	11.827248	-2016.40	643.45
5	GUIDE	114952824	8.56	2445	-0.100	-0.190	0.060	0.094	187.703904	12.486727	409.96	70.37
6	GUIDE	114955056	8.32	2507	0.064	0.448	0.065	0.107	187.914001	12.127854	-818.01	-769.05
7	GUIDE	114955568	7.52	2507	-0.089	0.175	0.058	0.099	187.061916	11.826551	-2135.40	2136.85

2.4 Star Slots

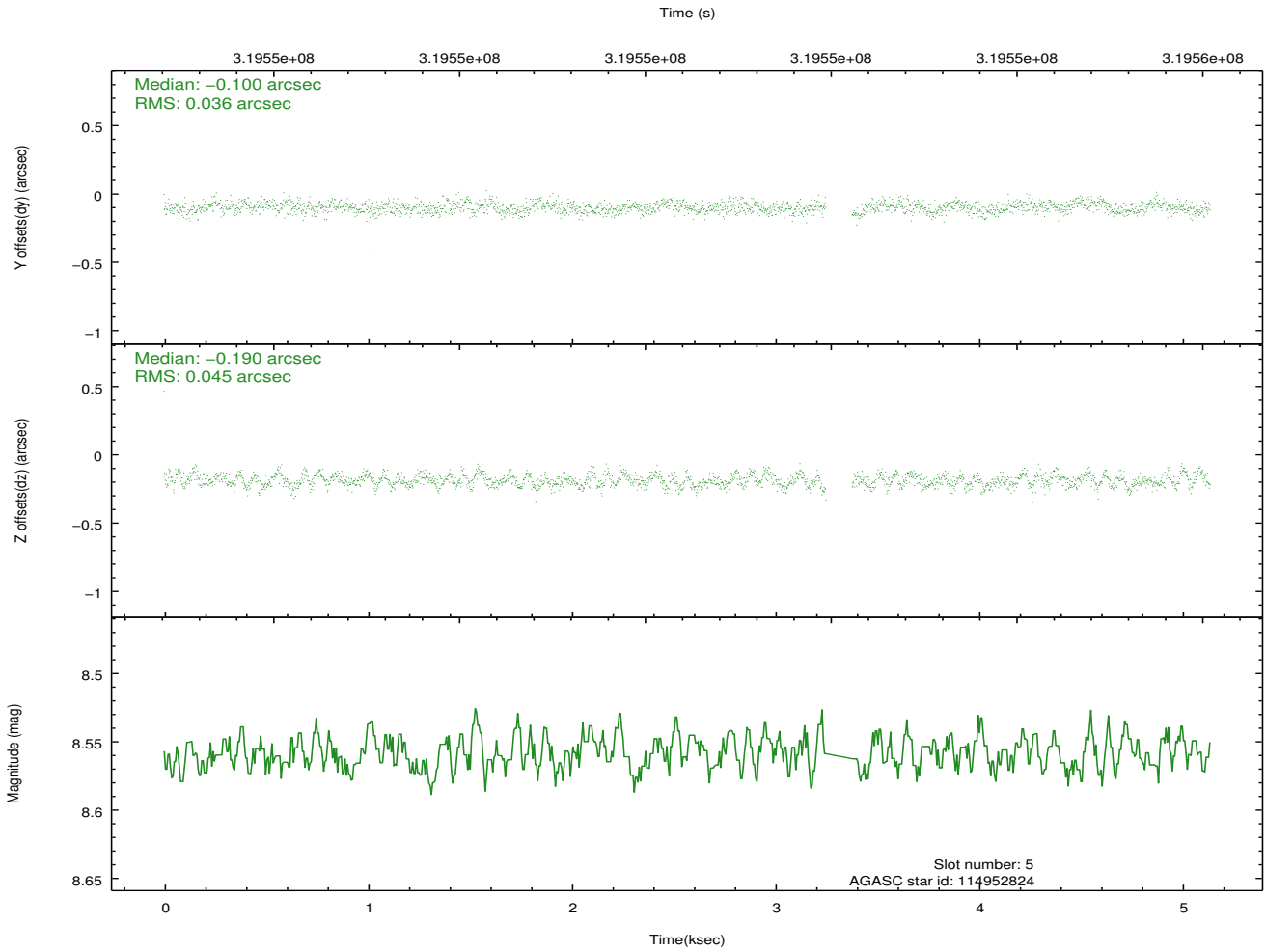
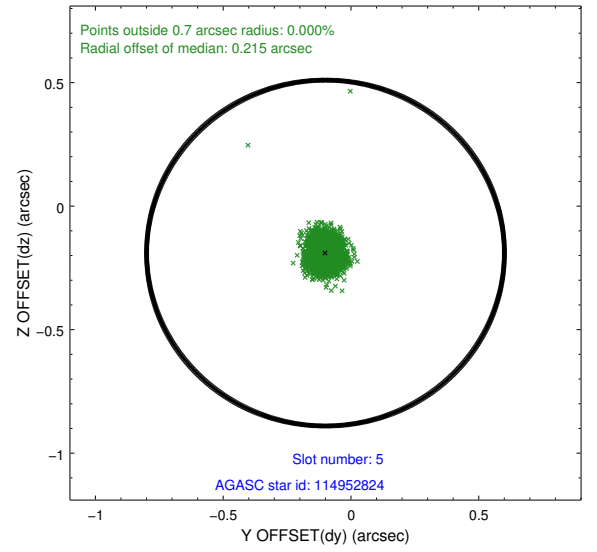
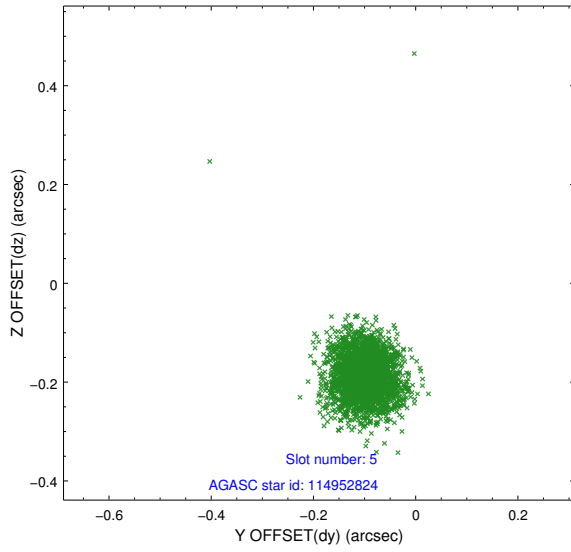
2.4.1 Slot 3



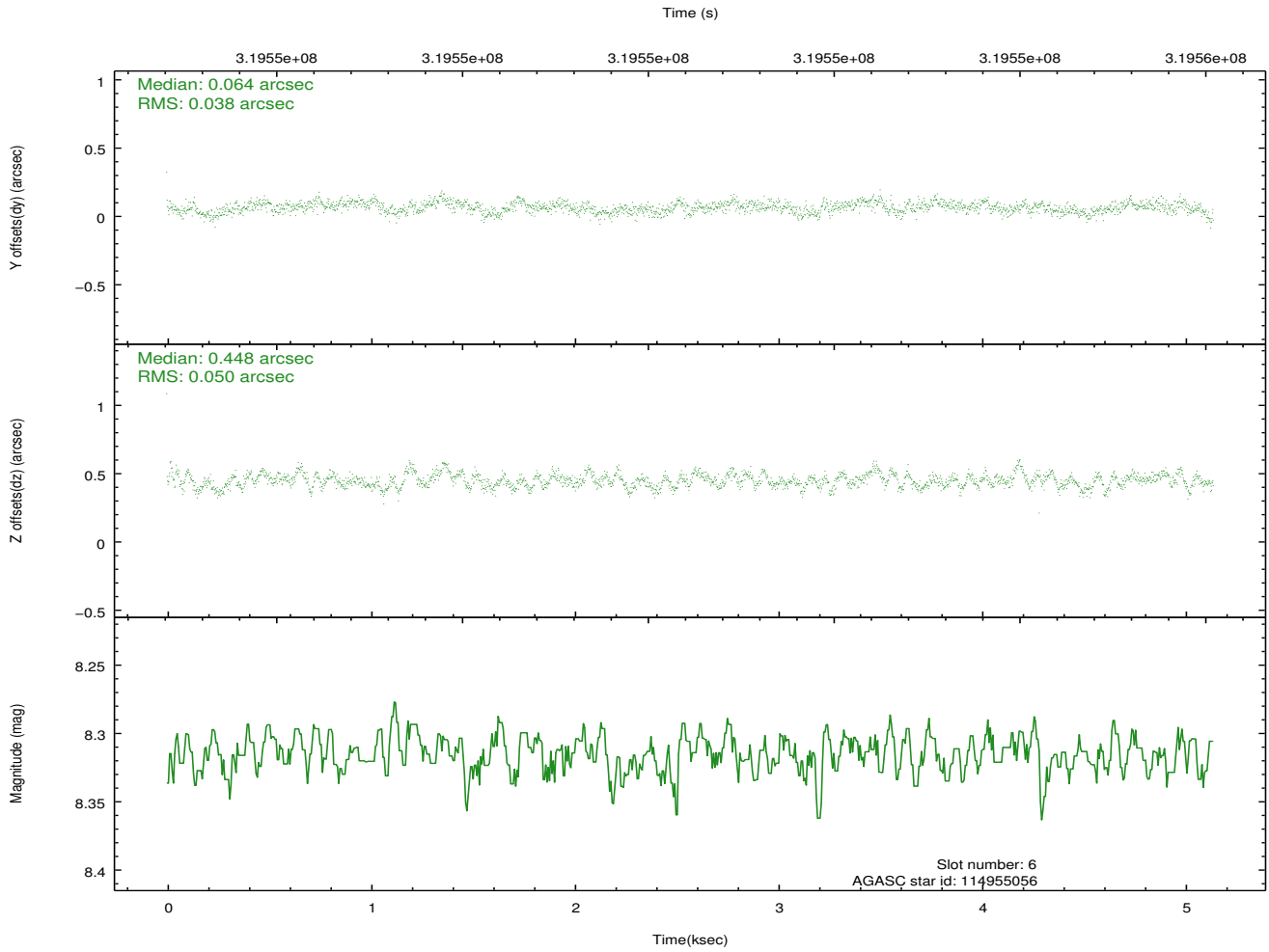
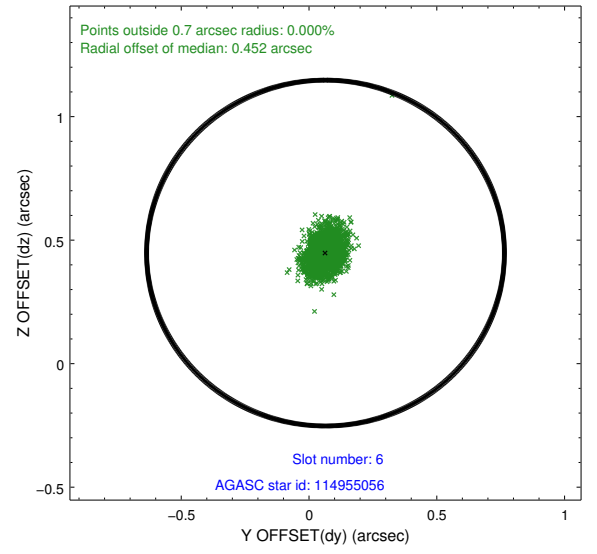
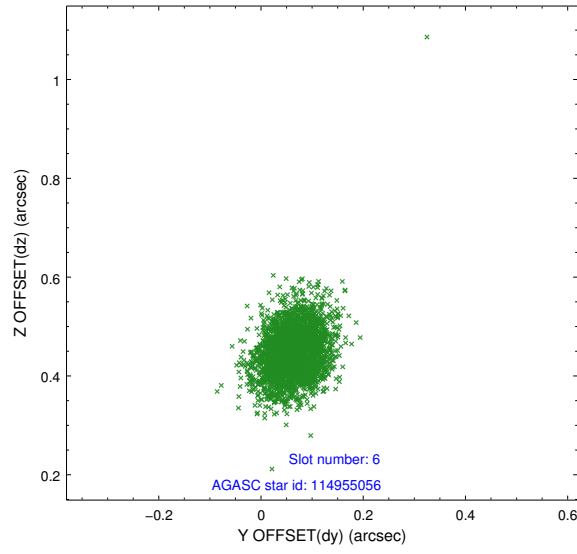
2.4.2 Slot 4



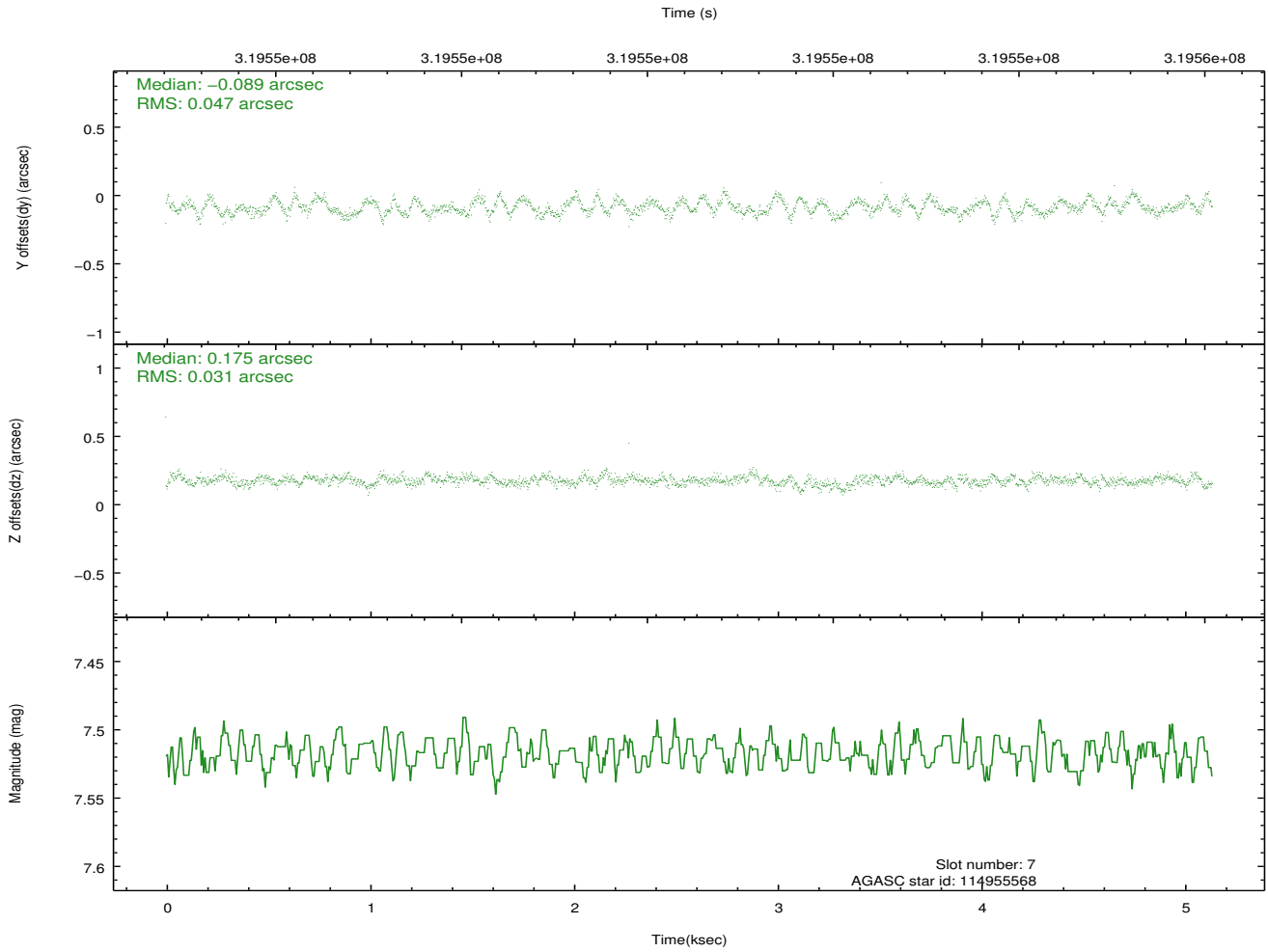
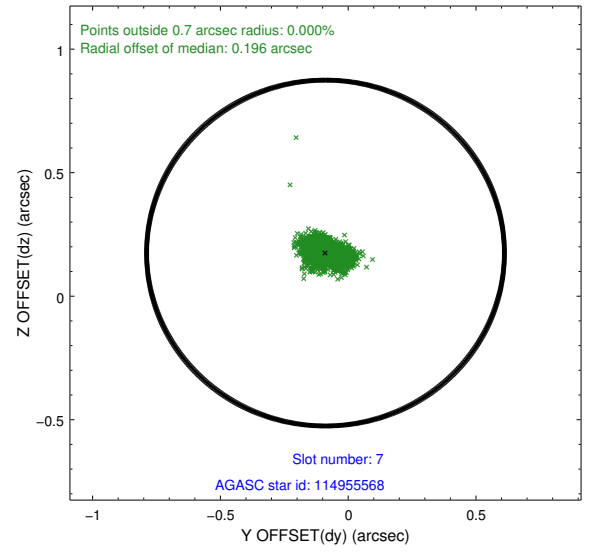
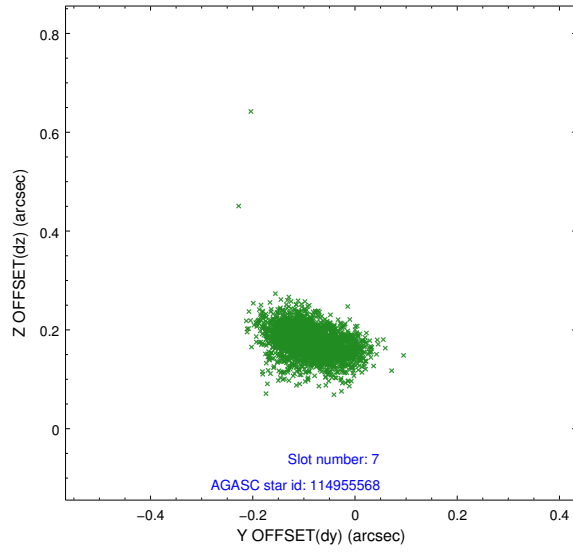
2.4.3 Slot 5



2.4.4 Slot 6

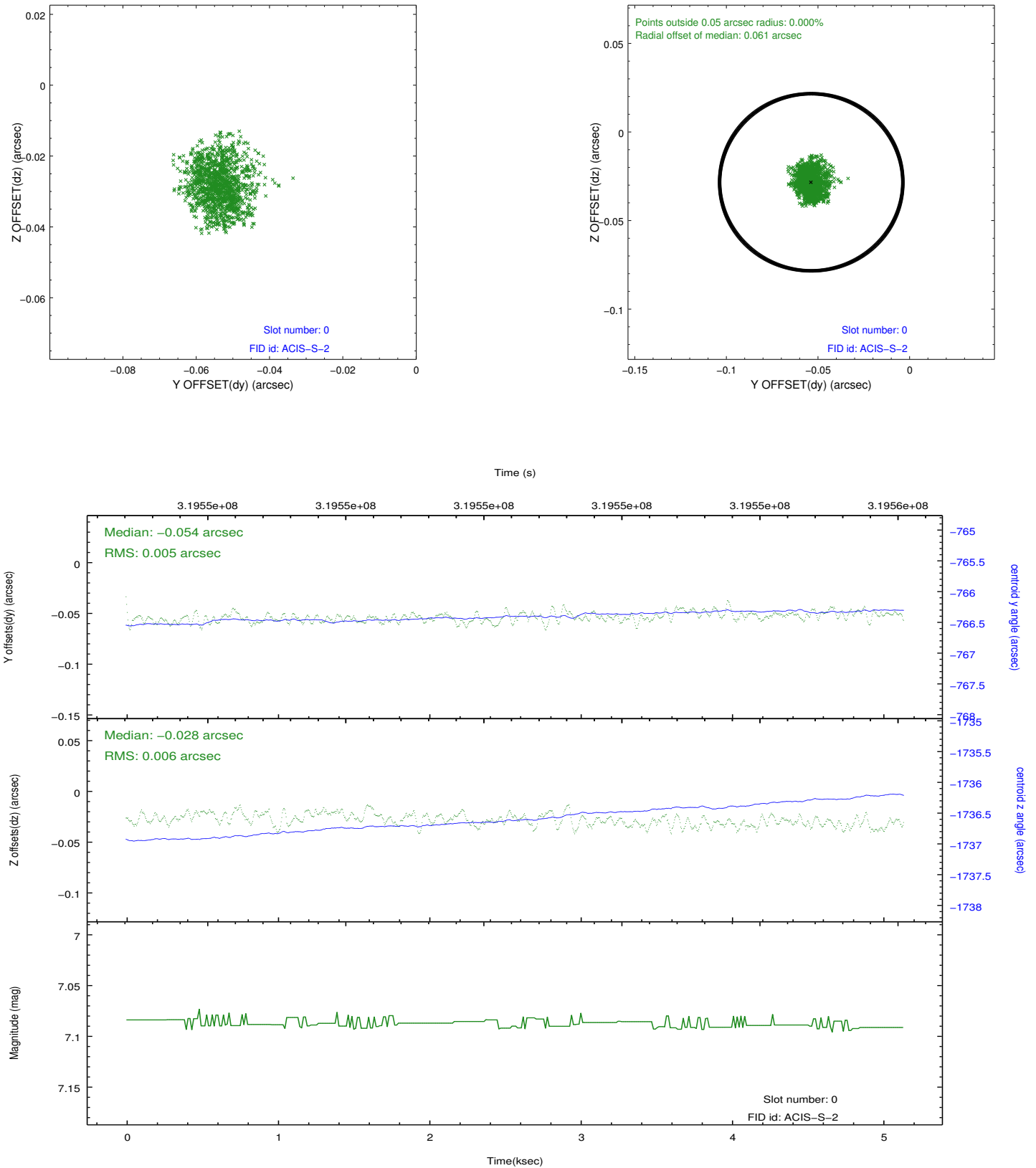


2.4.5 Slot 7

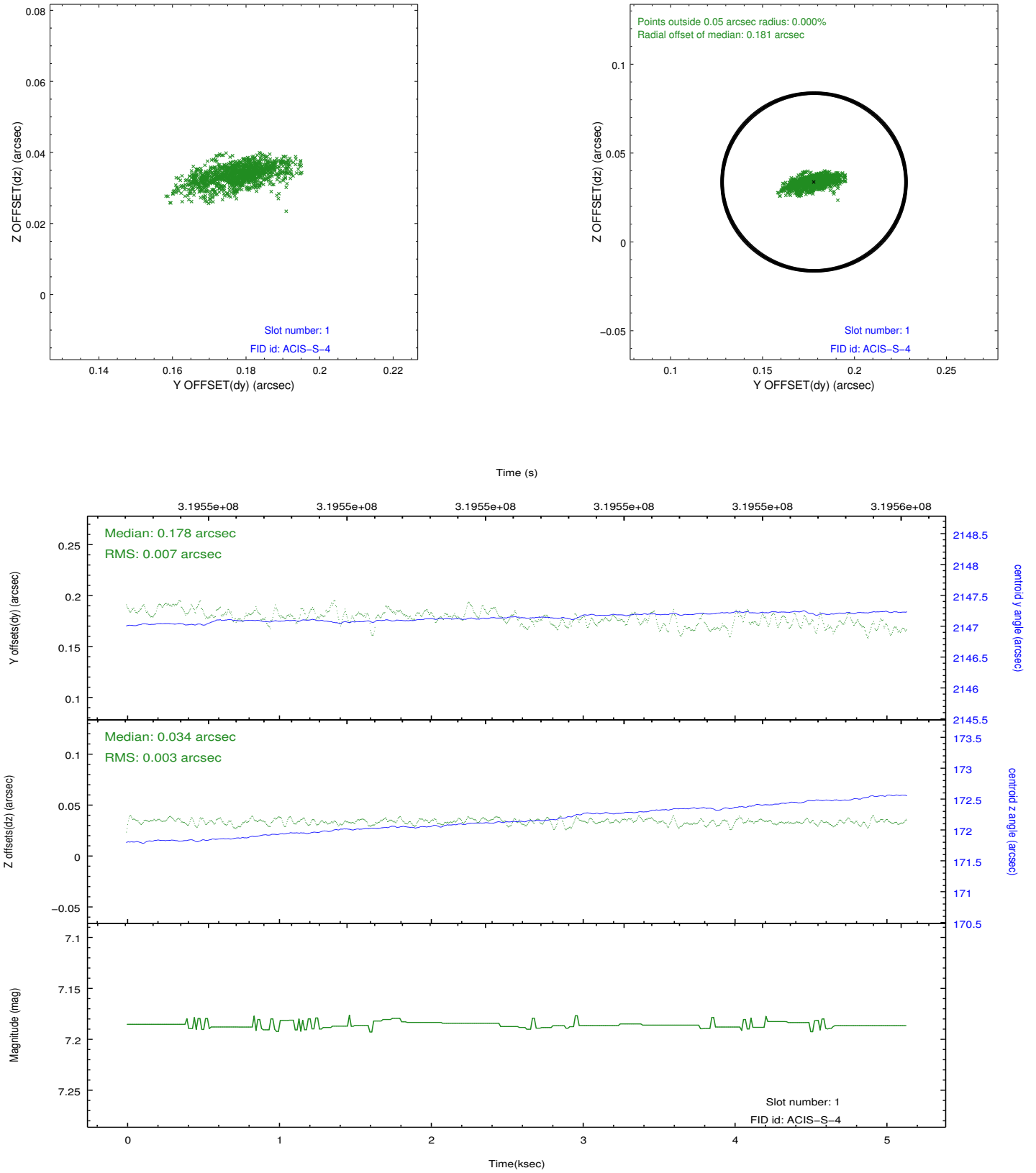


2.5 FID Slots

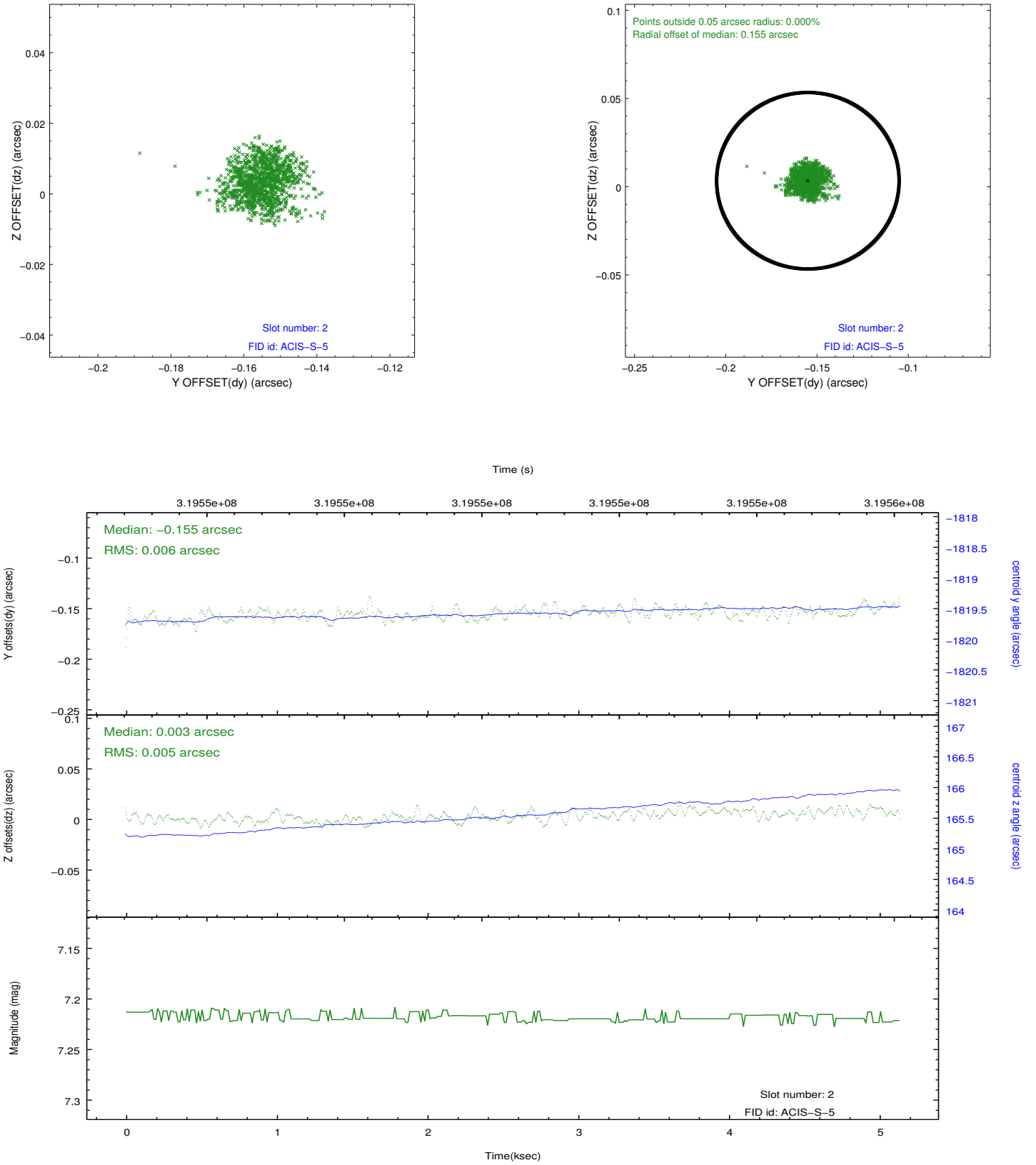
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13759969

A.2 Comments

Joint Proposal: CX0-HST. Monitor constraint met, follows obs8576 by 42 days.