

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8578 - L2 Version 2
Chandra X-Ray Center

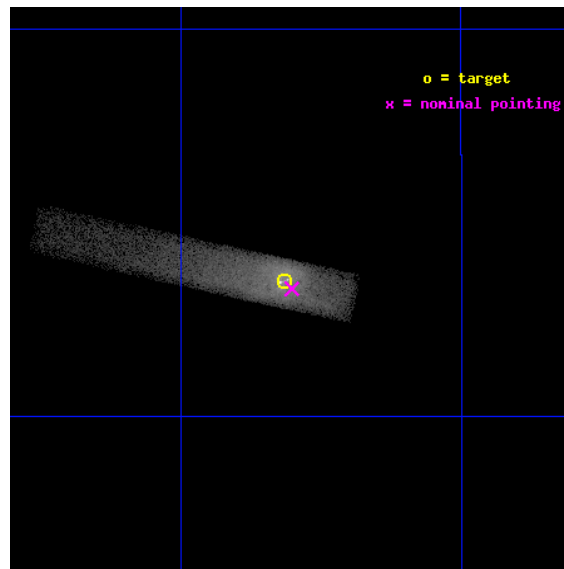
L2 Processing Date : May 12 2012

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

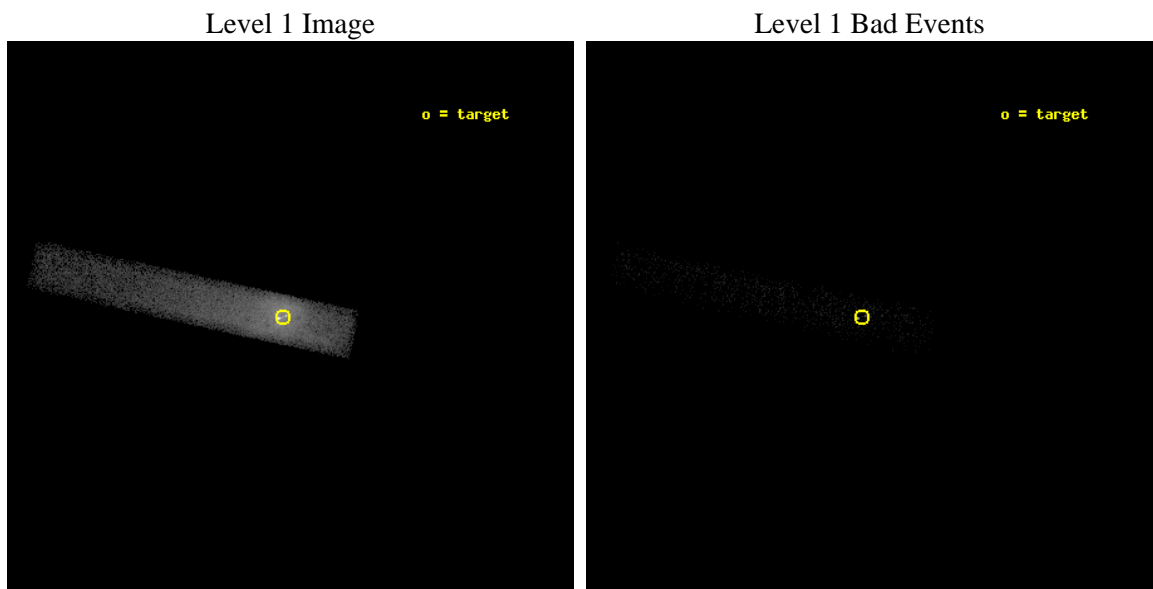
seq_num	701587	Sequence number
obs_id	8578	Observation id
title	Monitoring the Giant Flare of HST-1 in the M87 Jet	Proposal title
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70065716493	Nominal RA [deg]
dec_nom	12.388357932226	Nominal Dec [deg]
roll_nom	192.20880428454	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5189.1996906996	Sum of GTIs [s]
livetime	4706.3302110462	Livetime [s]
ontime7	5189.1996906996	Sum of GTIs [s]
l2events	58085	Number of level 2 events



2 OBI

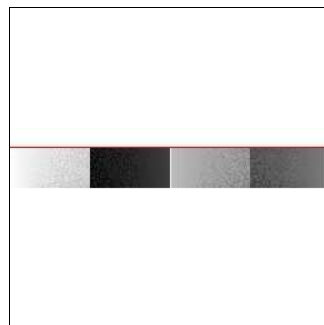
2.1 OBI

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	5189.1996906996	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5189.1996906996	Sum of GTIs [s]
date	2012-05-12T13:02:25	Date and time of file creation	l1events	67933	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

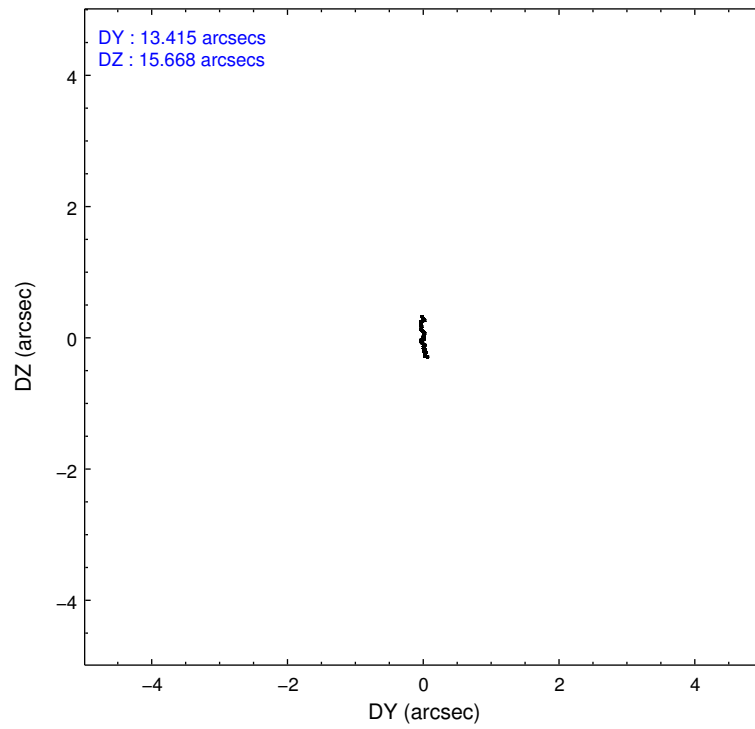
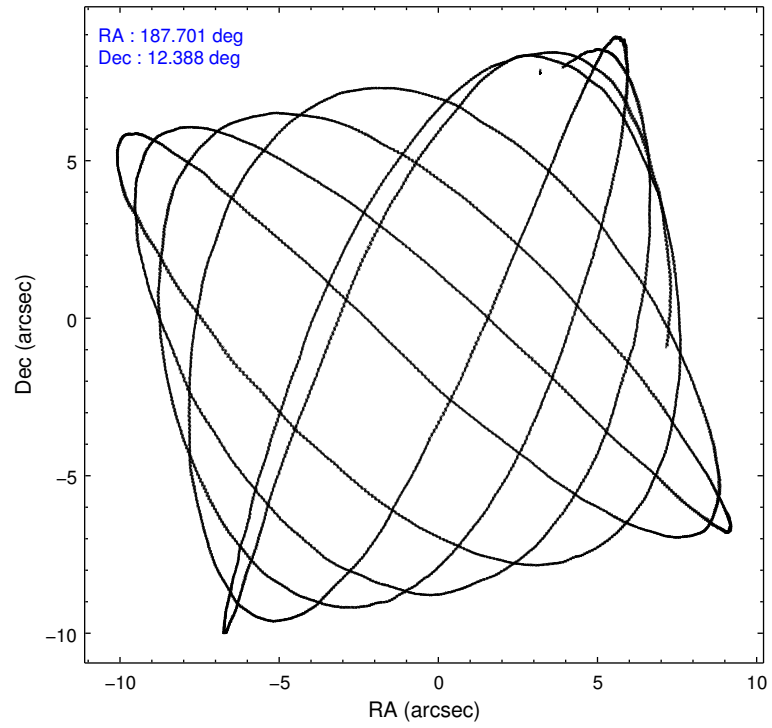
	ccd 7
level 1 events	67933
rejected events	9118
rejected %	13%

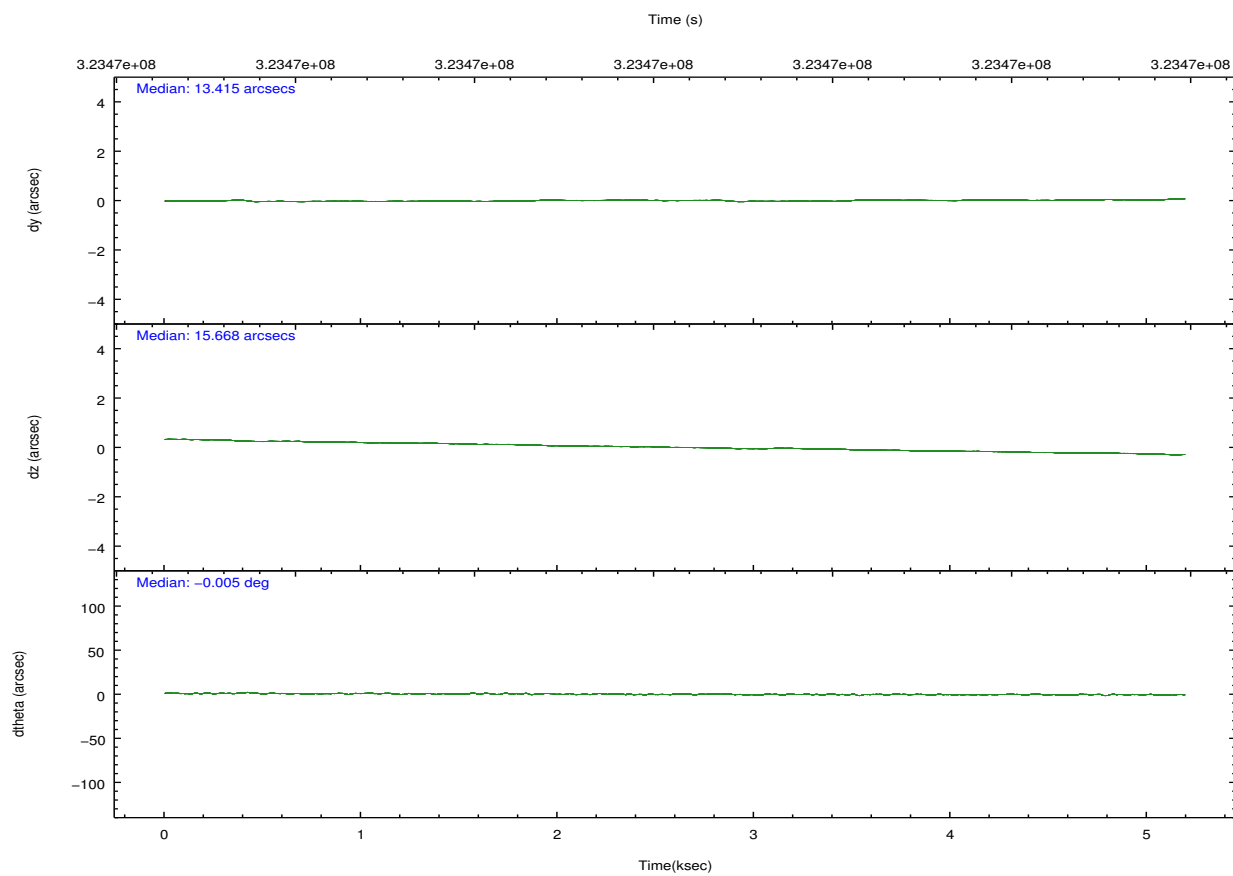
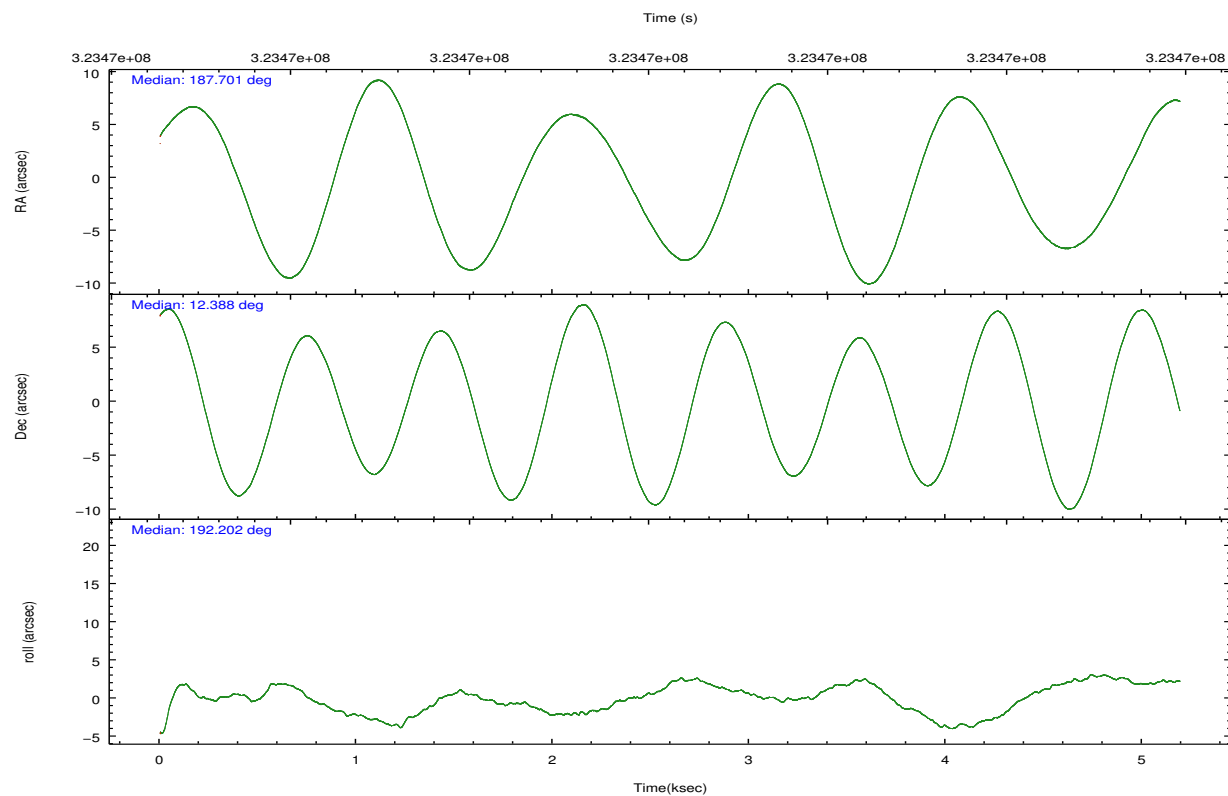
	ccd 7
grade 0 events	18548
	27%
grade 1 events	187
	0%
grade 2 events	15866
	23%
grade 3 events	7221
	10%
grade 4 events	7027
	10%
grade 5 events	1669
	2%
grade 6 events	12387
	18%
grade 7 events	5028
	7%

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	187.721065	187.7006571649299	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.406953	12.38835793222627	Subarray start row	449	449
[deg] Pointing Roll	192.047795	192.208804284536	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)	323466724.184000	323465896.65049			
Observation start date	2008-04-01T19:50:59	2008-04-01T19:38:16			
[s] Observation end time (MET)	323471724.184000	323472787.21332			
Observation end date	2008-04-01T21:14:19	2008-04-01T21:33:07			
Read mode	TIMED	TIMED			

2.3 Aspect



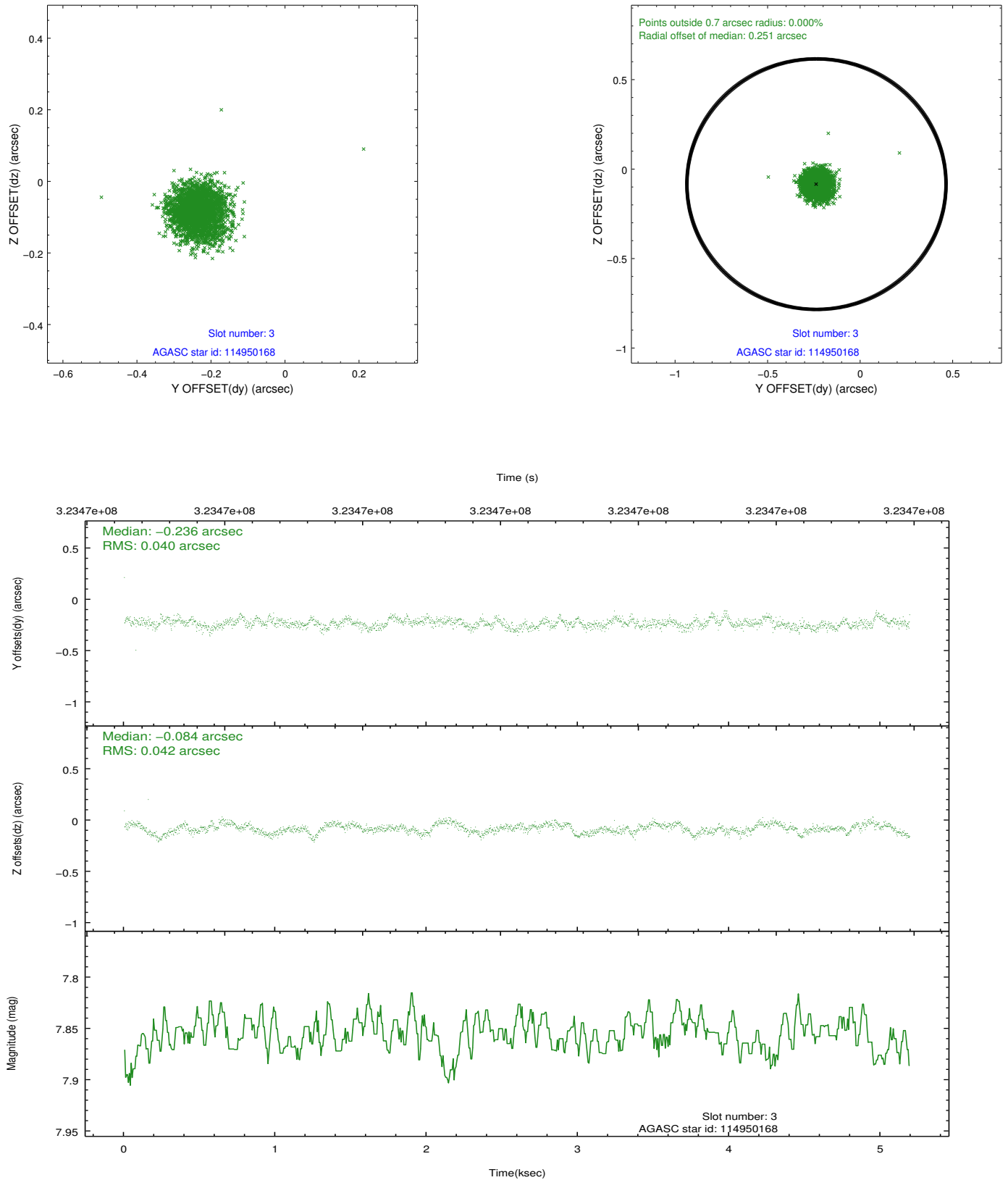


Slot Statistics

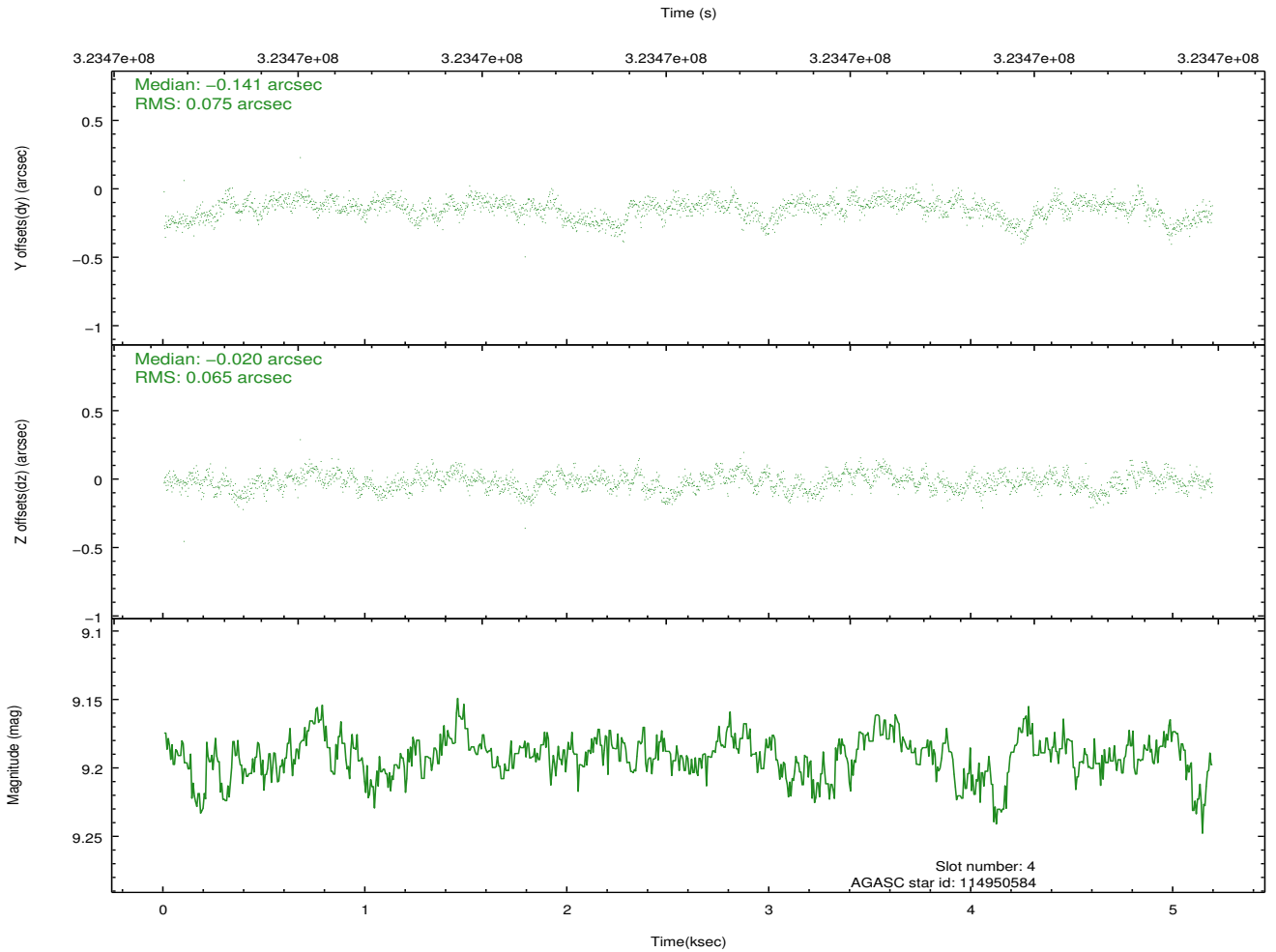
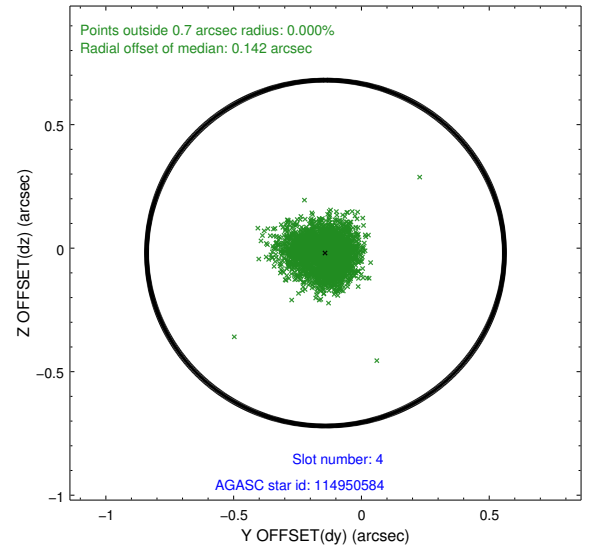
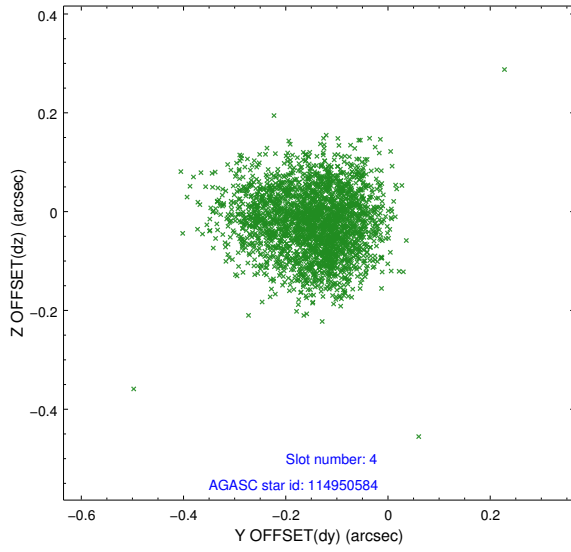
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1267	-0.052	-0.022	0.008	0.013	0.000000	0.000000	-766.36	-1737.11
1	FID	ACIS-S-4	7.19	1267	0.176	0.032	0.007	0.012	0.000000	0.000000	2146.58	170.25
2	FID	ACIS-S-5	7.22	1267	-0.154	-0.000	0.007	0.012	0.000000	0.000000	-1817.84	165.17
3	GUIDE	114950168	7.86	2533	-0.236	-0.084	0.061	0.096	187.143398	12.117441	2205.81	593.13
4	GUIDE	114950584	9.19	2531	-0.141	-0.020	0.105	0.166	187.487323	11.827248	1242.35	1869.12
5	GUIDE	114952792	9.50	2529	-0.031	0.146	0.121	0.195	187.070263	12.344747	2286.29	-260.08
6	GUIDE	114955056	8.33	2533	0.361	-0.033	0.065	0.102	187.914001	12.127854	-452.69	1123.93
7	GUIDE	114956608	9.65	2530	0.056	-0.005	0.106	0.168	187.452443	11.725979	1438.53	2200.22

2.4 Star Slots

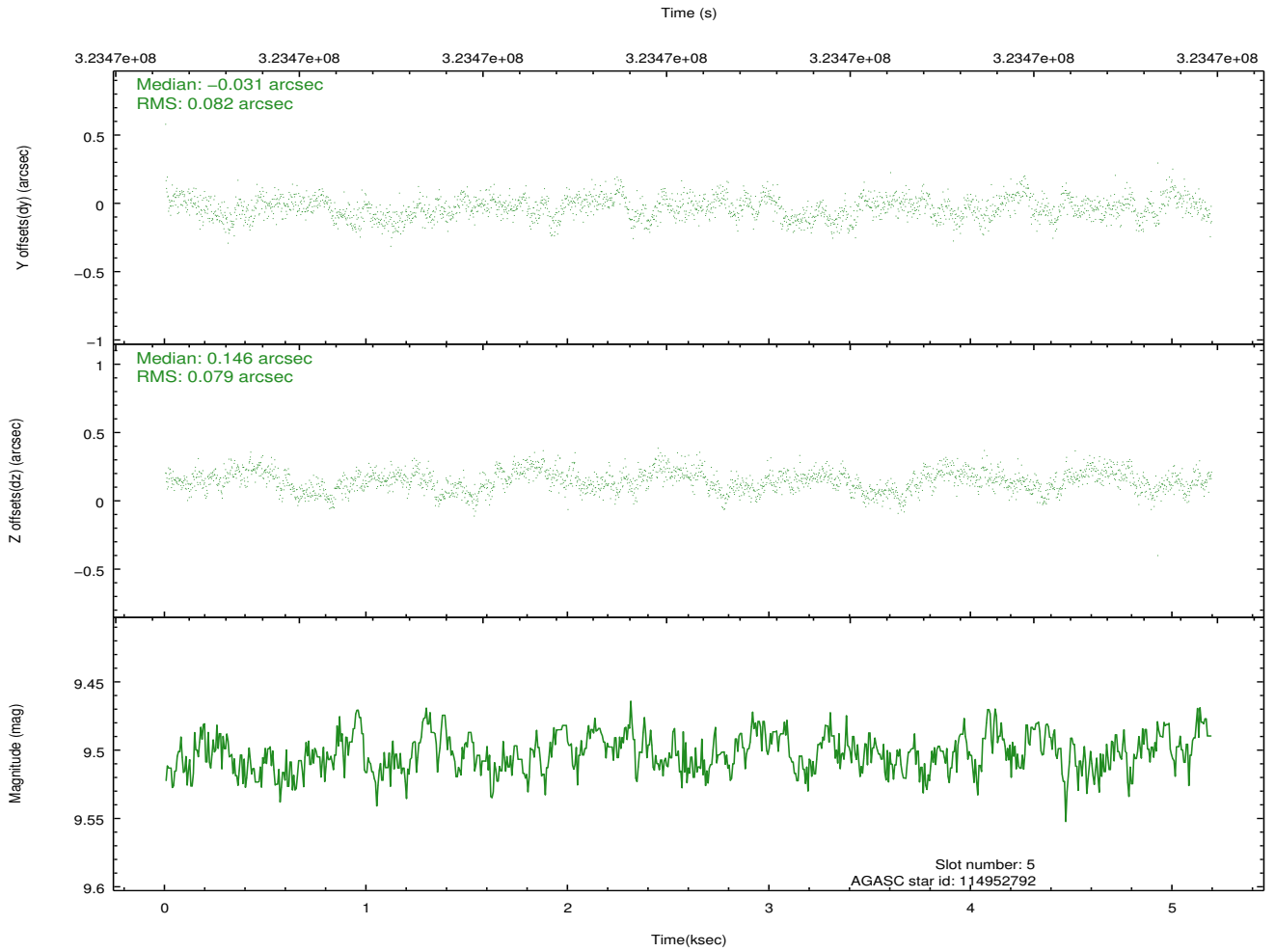
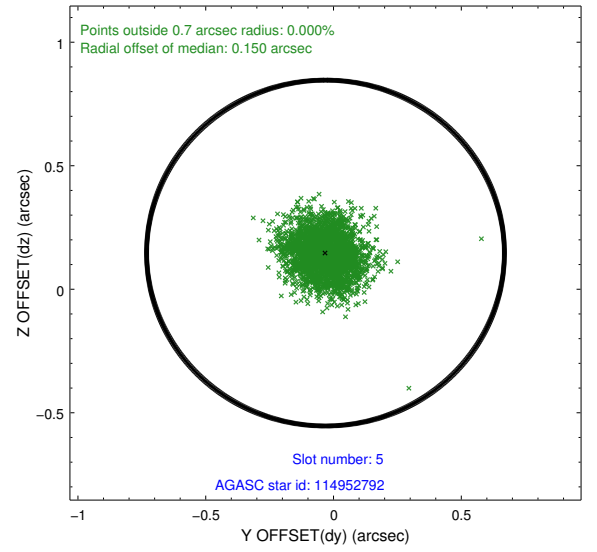
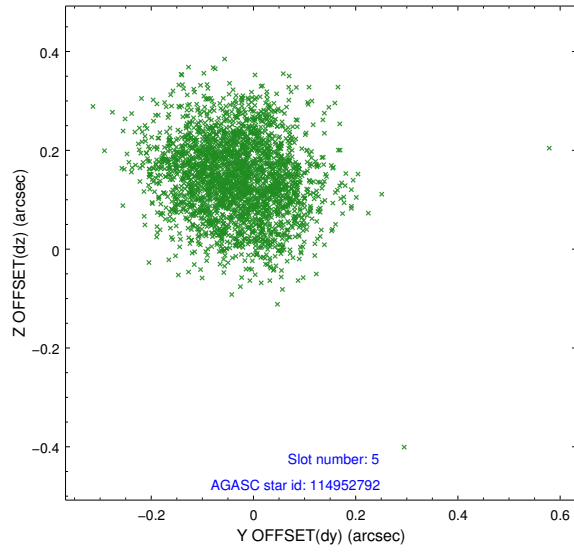
2.4.1 Slot 3



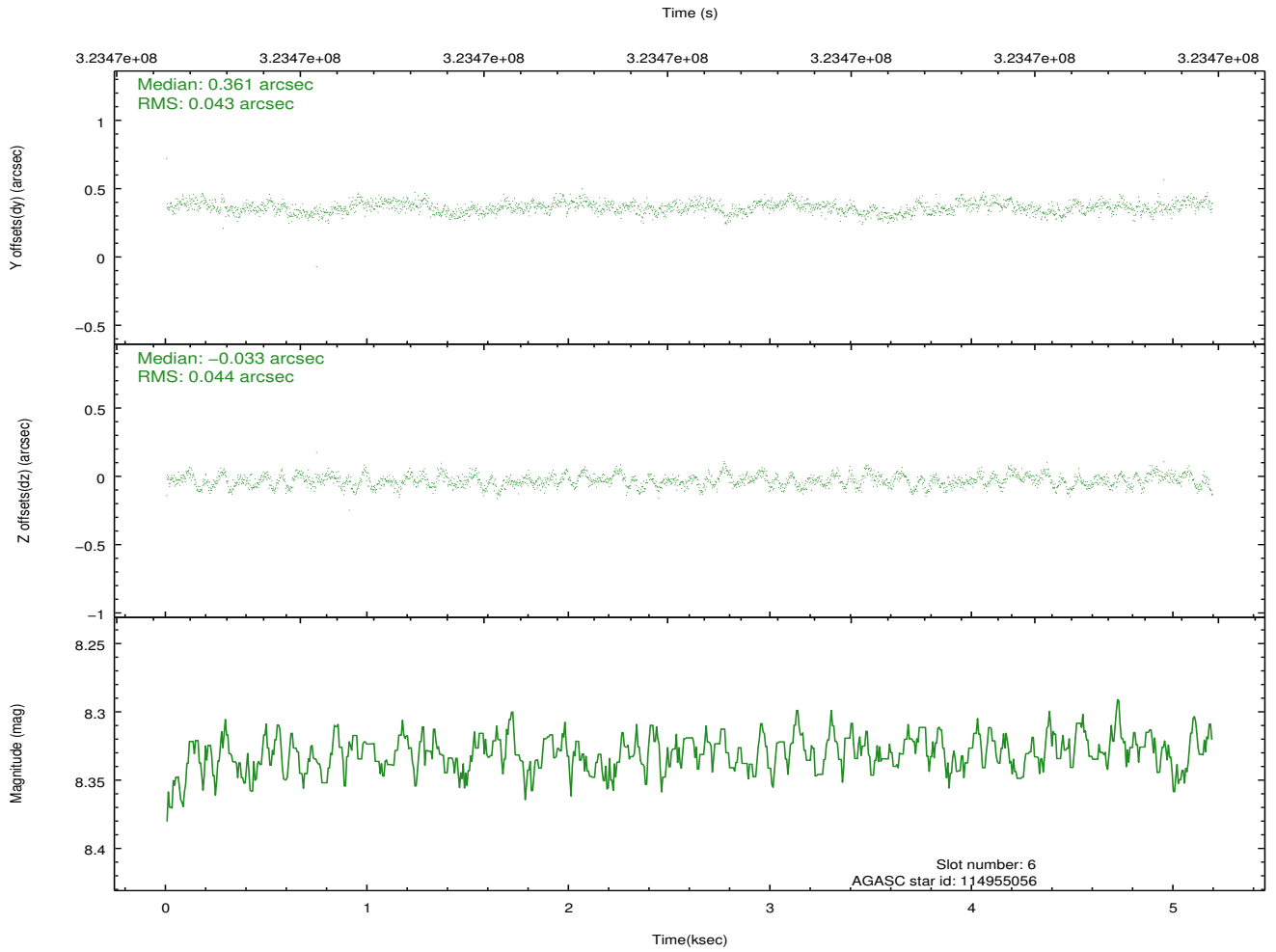
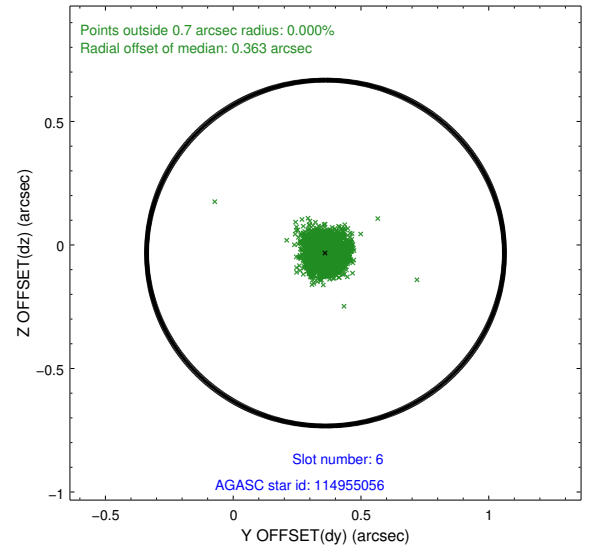
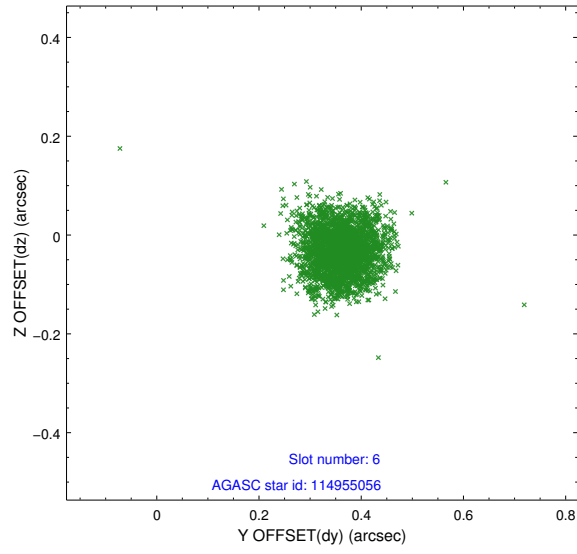
2.4.2 Slot 4



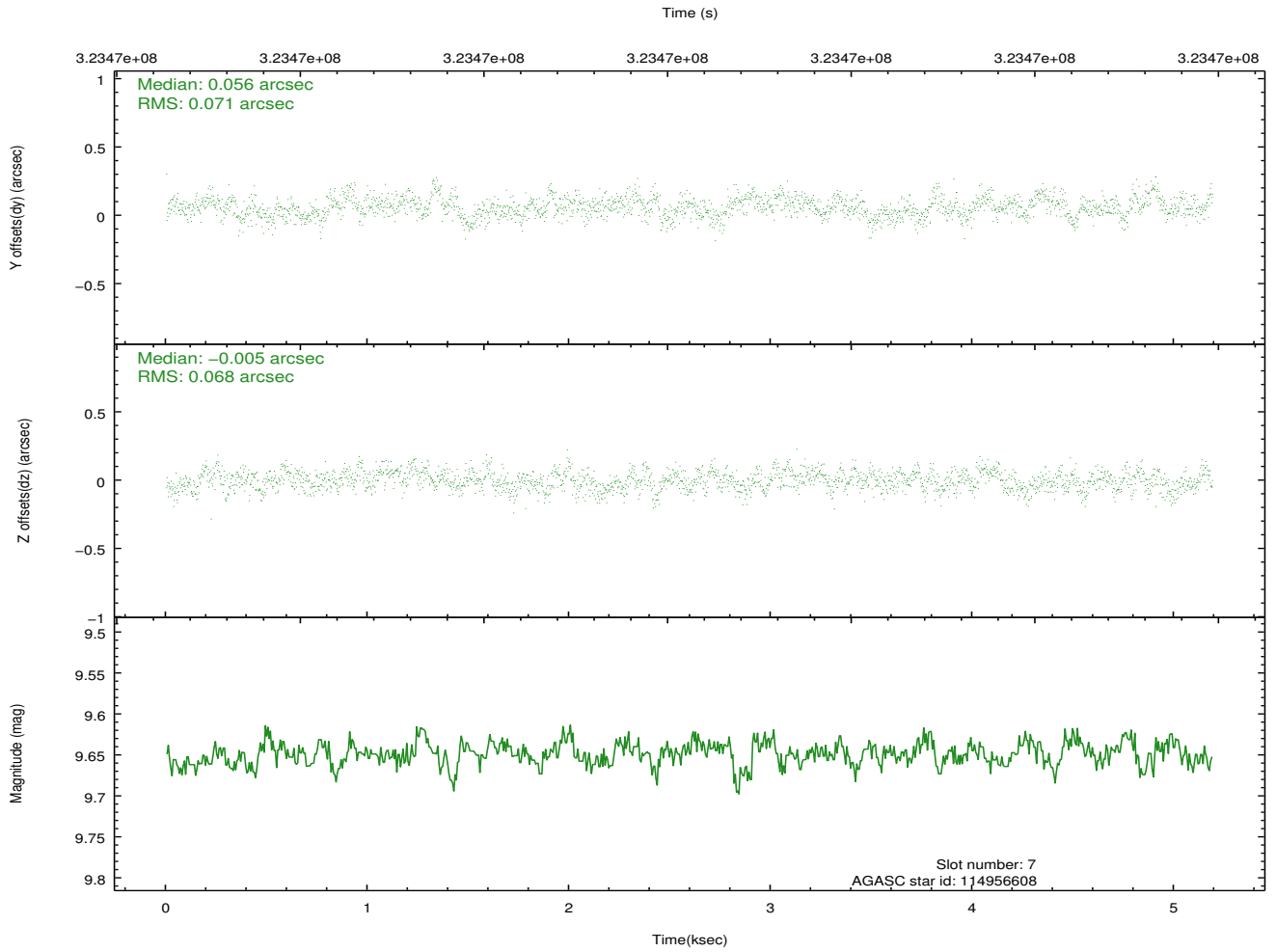
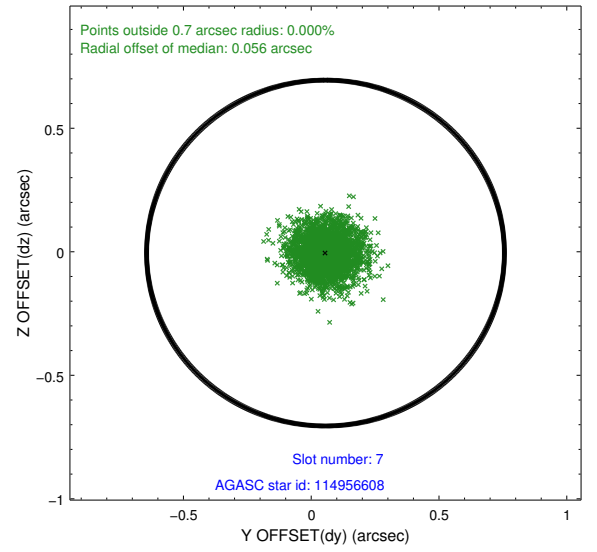
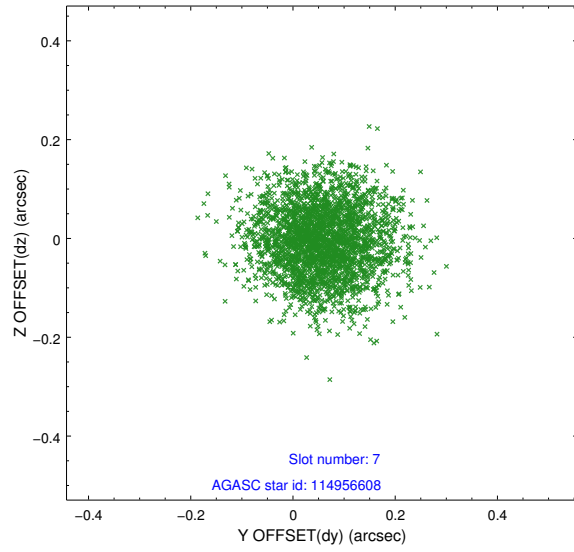
2.4.3 Slot 5



2.4.4 Slot 6

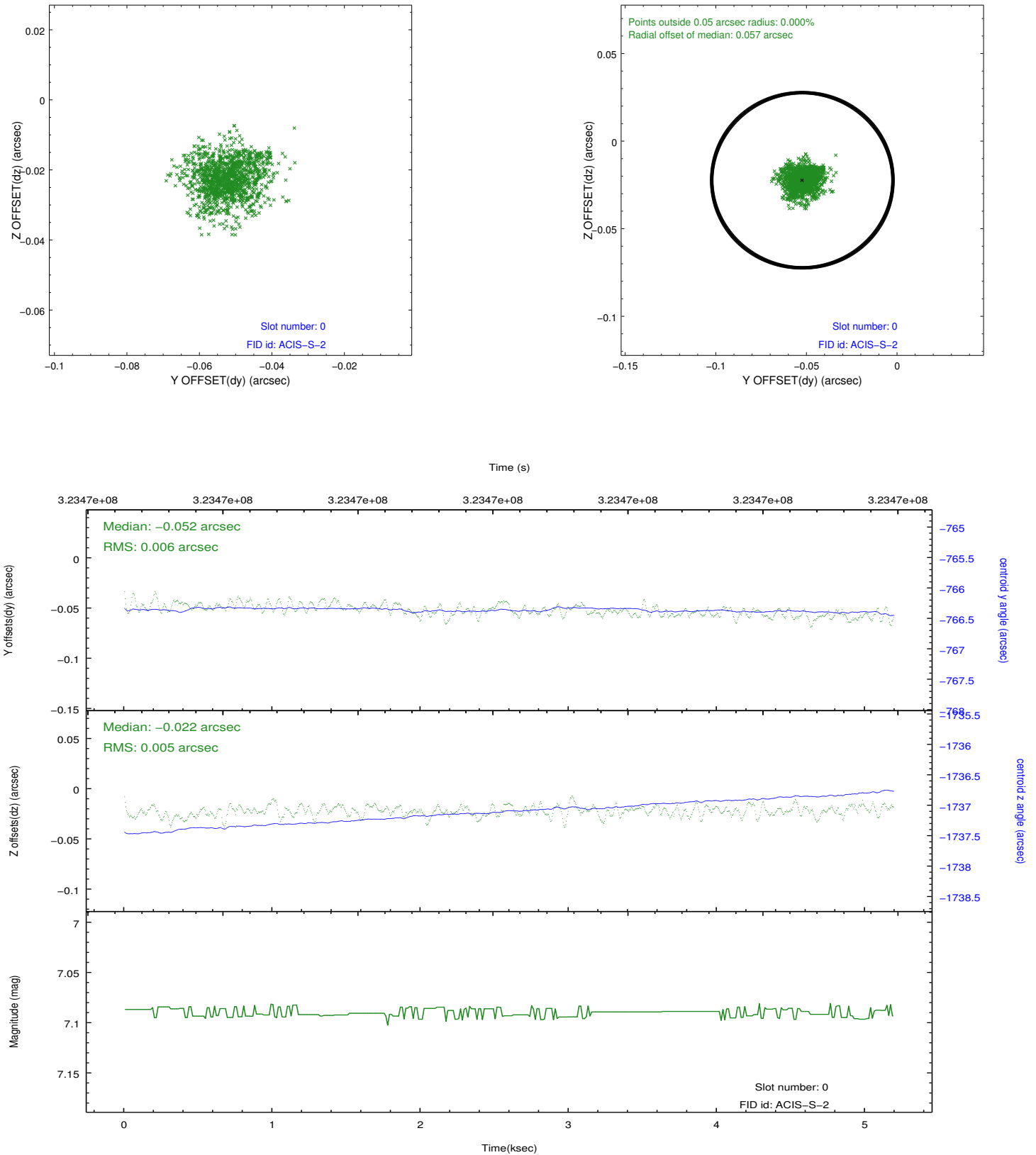


2.4.5 Slot 7

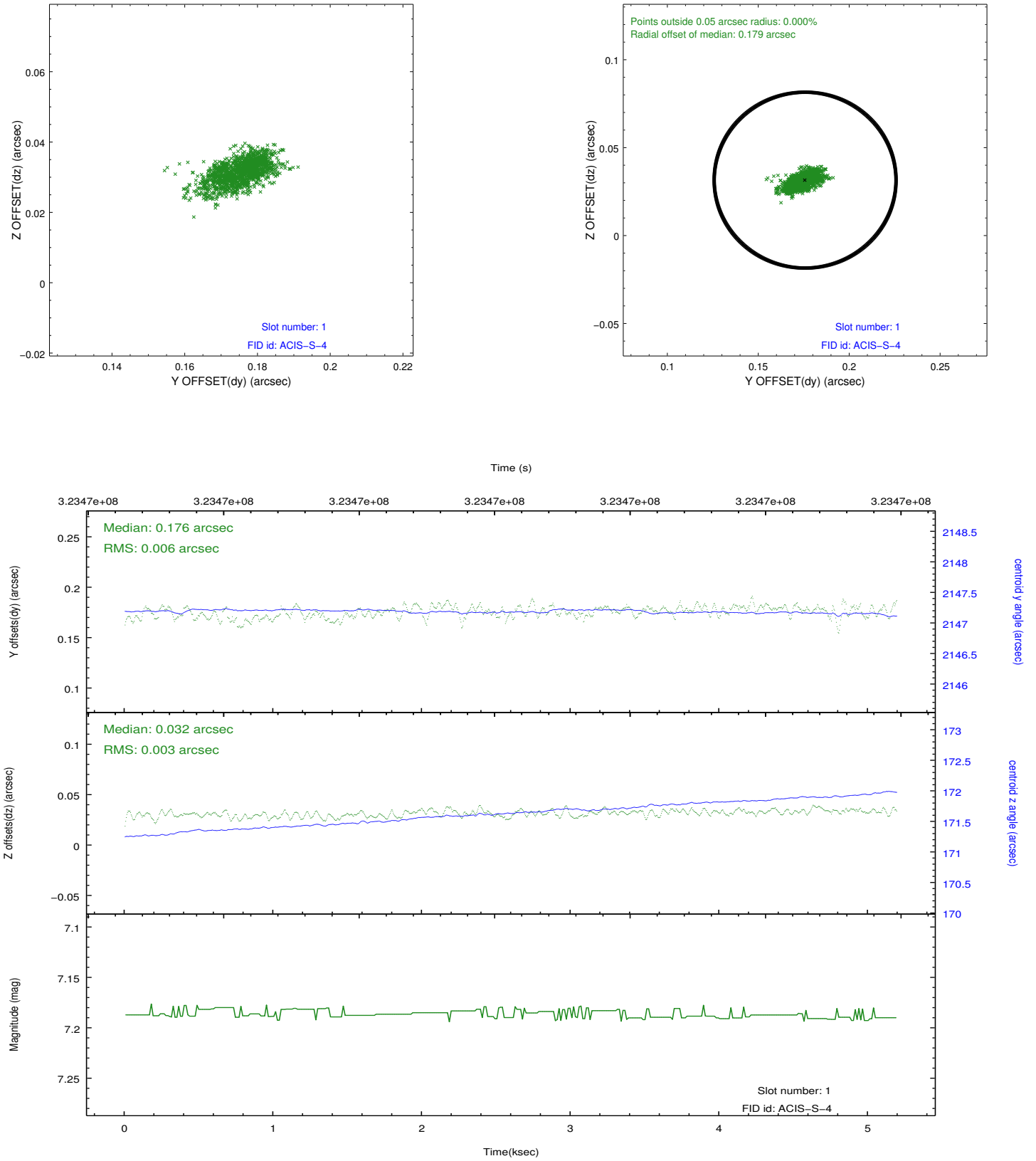


2.5 FID Slots

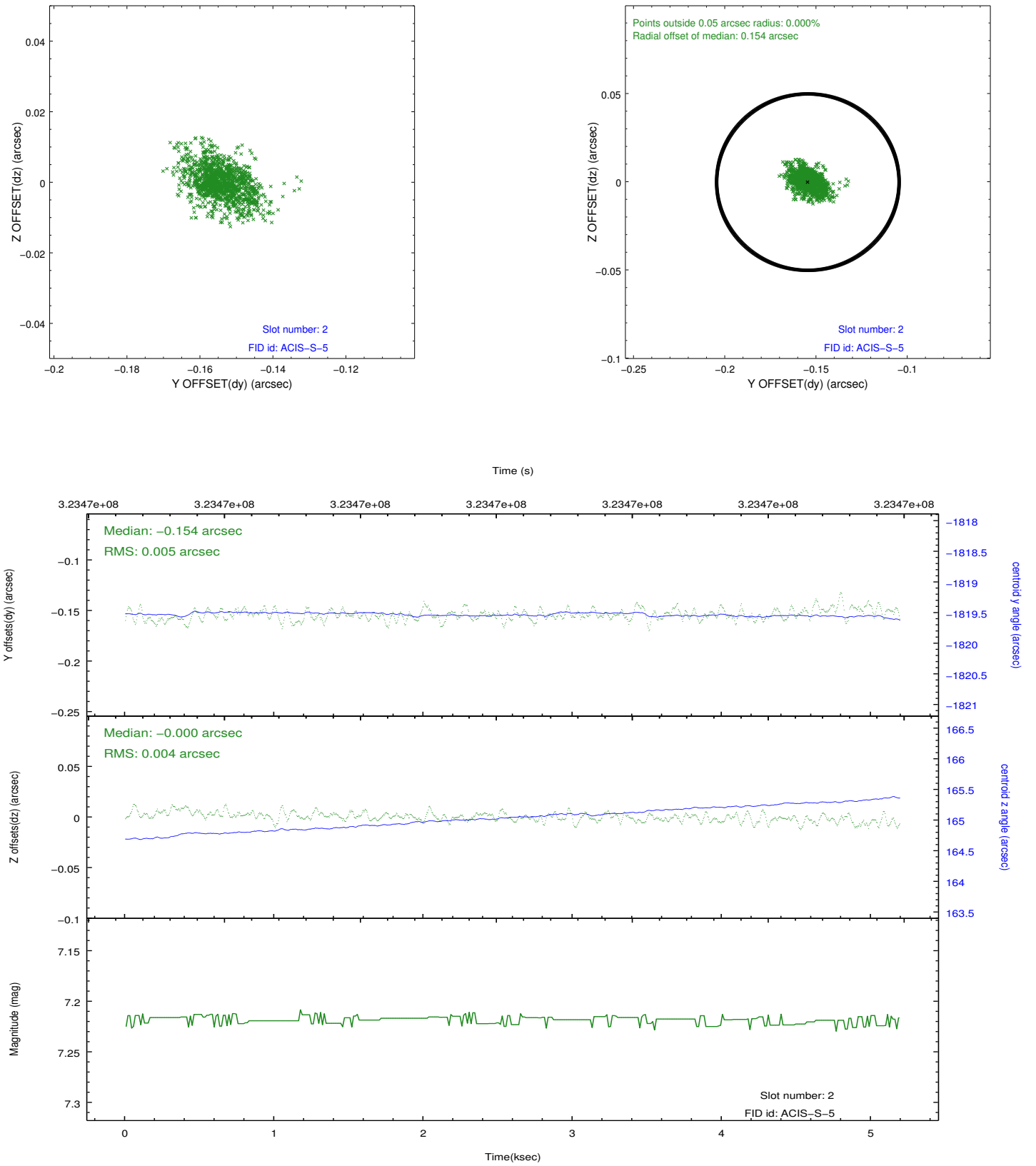
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18919969

A.2 Comments

Joint Proposal: CX0-HST. Monitor constraint met.