

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13631 - L2 Version 1
Chandra X-Ray Center

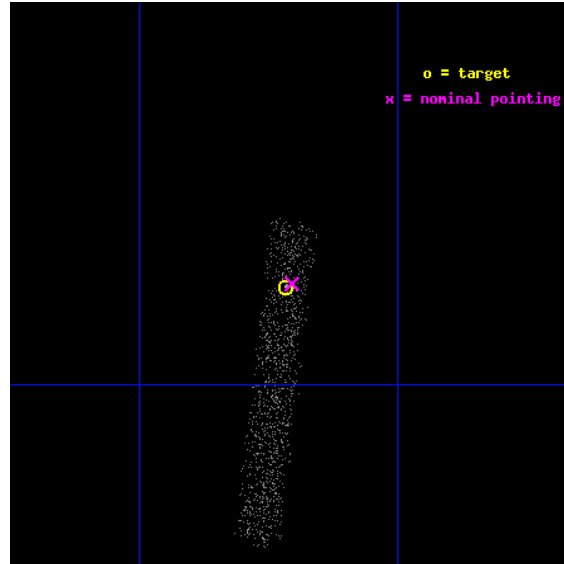
L2 Processing Date : Aug 10 2012

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

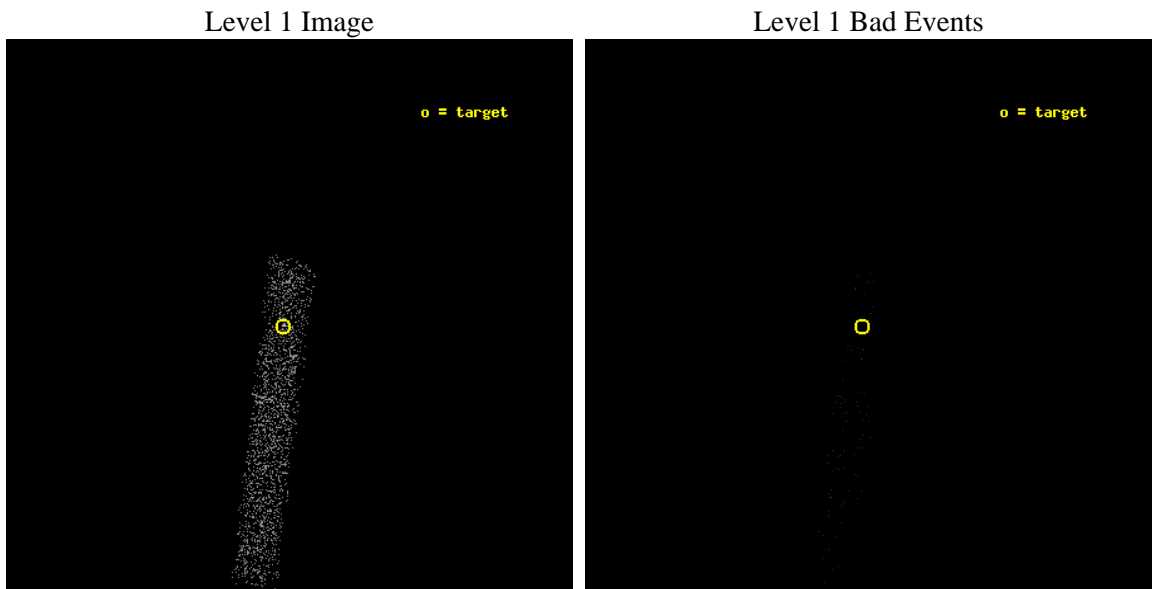
seq_num	200785	Sequence number
obs_id	13631	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries	Proposal title
observer	Dr. Konstantin Getman	Principal investigator
object	UZTauE_P2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	68.179167	Observer's specified target RA [deg]
dec_targ	25.875306	Observer's specified target Dec [deg]
ra_nom	68.176214004919	Nominal RA [deg]
dec_nom	25.87663819252	Nominal Dec [deg]
roll_nom	96.994570356078	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3069.5780020356	Sum of GTIs [s]
livetime	2783.9452222344	Livetime [s]
ontime7	3069.5780020356	Sum of GTIs [s]
l2events	1247	Number of level 2 events



2 OBI

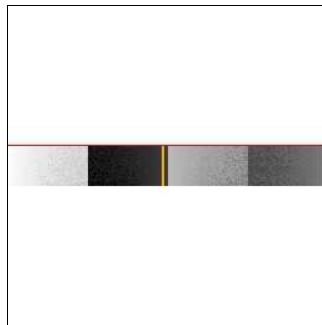
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3069.5780020356	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	3069.5780020356	Sum of GTIs [s]
date	2012-08-10T15:07:25	Date and time of file creation	l1events	2285	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

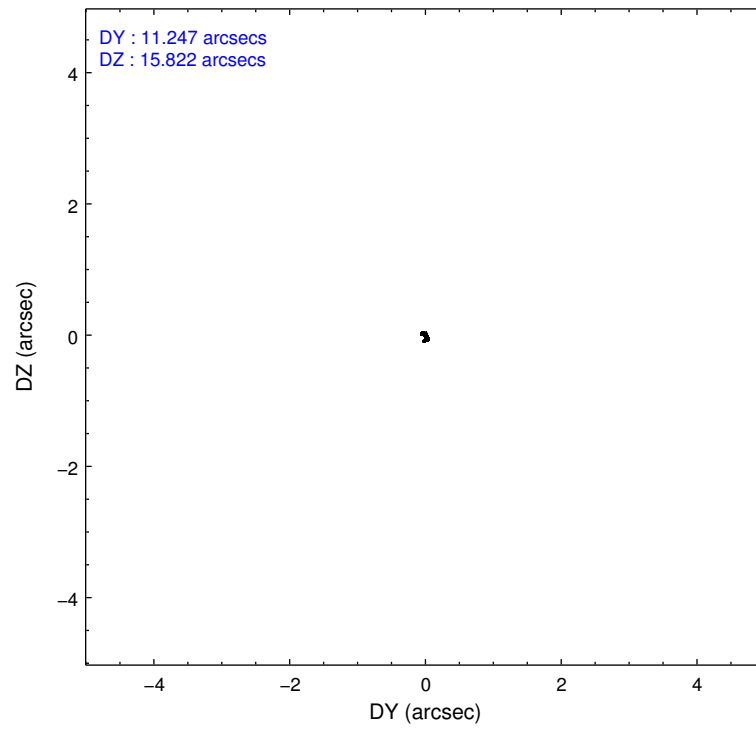
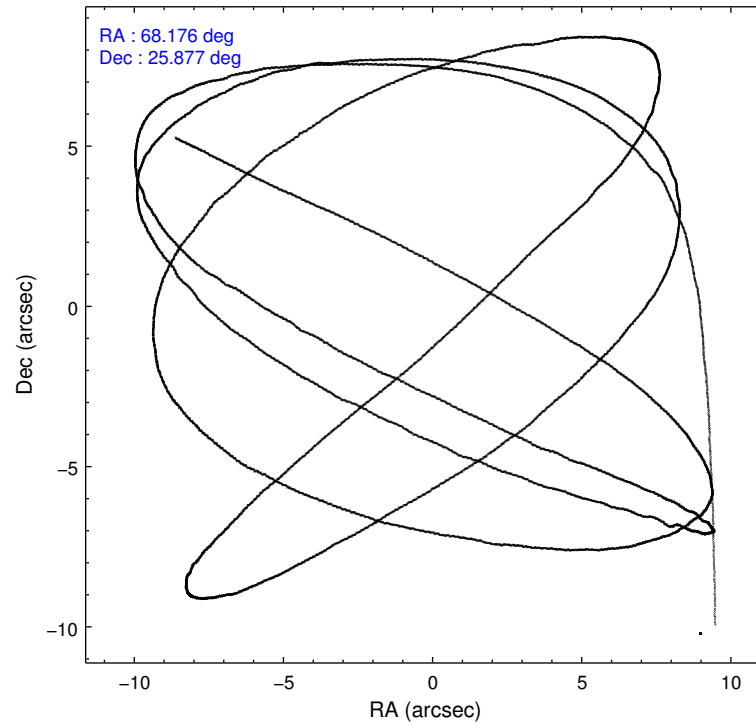
	ccd 7
level 1 events	2285
rejected events	978
rejected %	42%

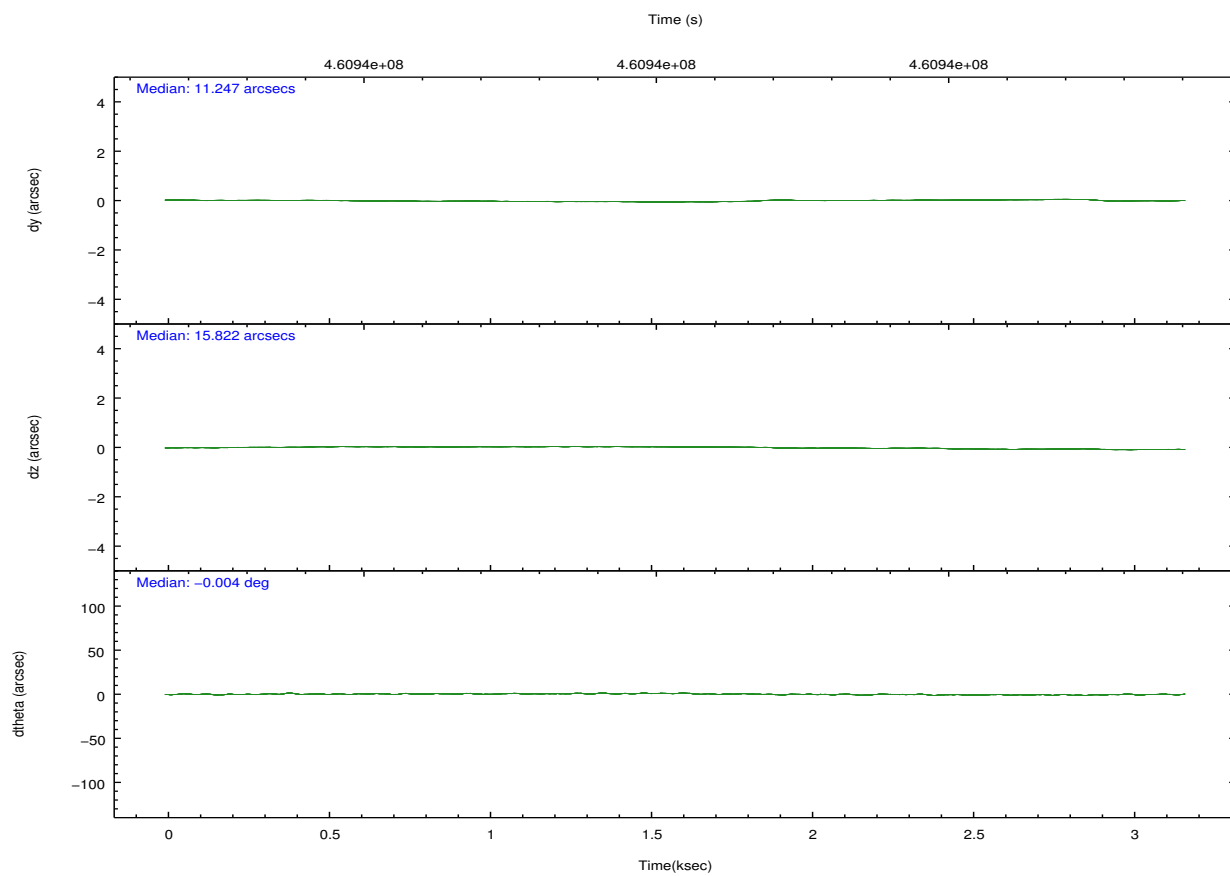
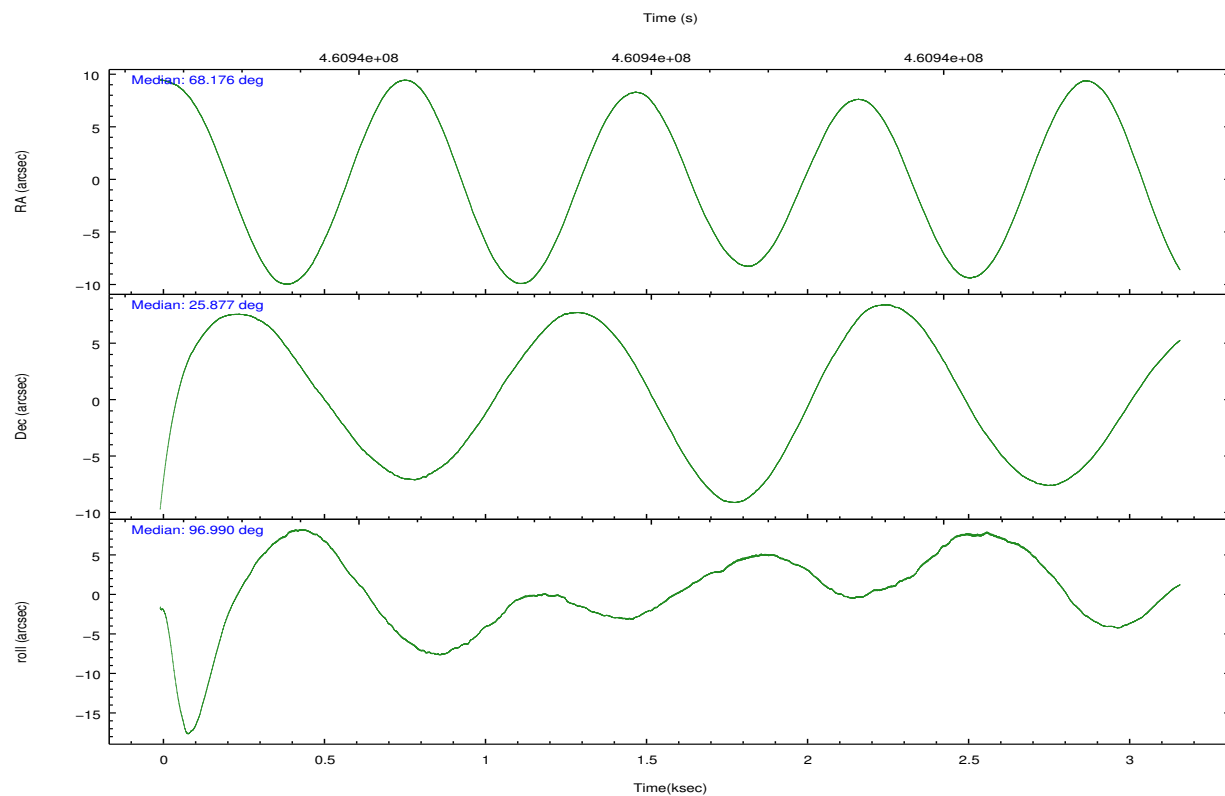
	ccd 7
grade 0 events	169
	7%
grade 1 events	2
	0%
grade 2 events	274
	11%
grade 3 events	166
	7%
grade 4 events	187
	8%
grade 5 events	231
	10%
grade 6 events	511
	22%
grade 7 events	745
	32%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	68.194744	68.17621400491937	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	25.854999	25.8766381925205	Subarray start row	449	449
[deg] Pointing Roll	96.829775	96.99457035607821	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			
Phase constraints	Y	Y			
[d] Phase period	19.131000	19.131000			
[d] Phase epoch (MJD)	55613.144000	55613.144000			
Phase start	0.990000	0.990000			
Phase end	1.000000	1.000000			
Phase start error	0.010000	0.010000			
Phase end error	0.010000	0.010000			
[s] Observation start time (MET)	460936637.184000	460935564.93534			
Observation start date	2012-08-09T21:56:10	2012-08-09T21:39:24			
[s] Observation end time (MET)	460939637.184000	460940625.36061			
Observation end date	2012-08-09T22:46:10	2012-08-09T23:03:45			
Read mode	TIMED	TIMED			

2.3 Aspect



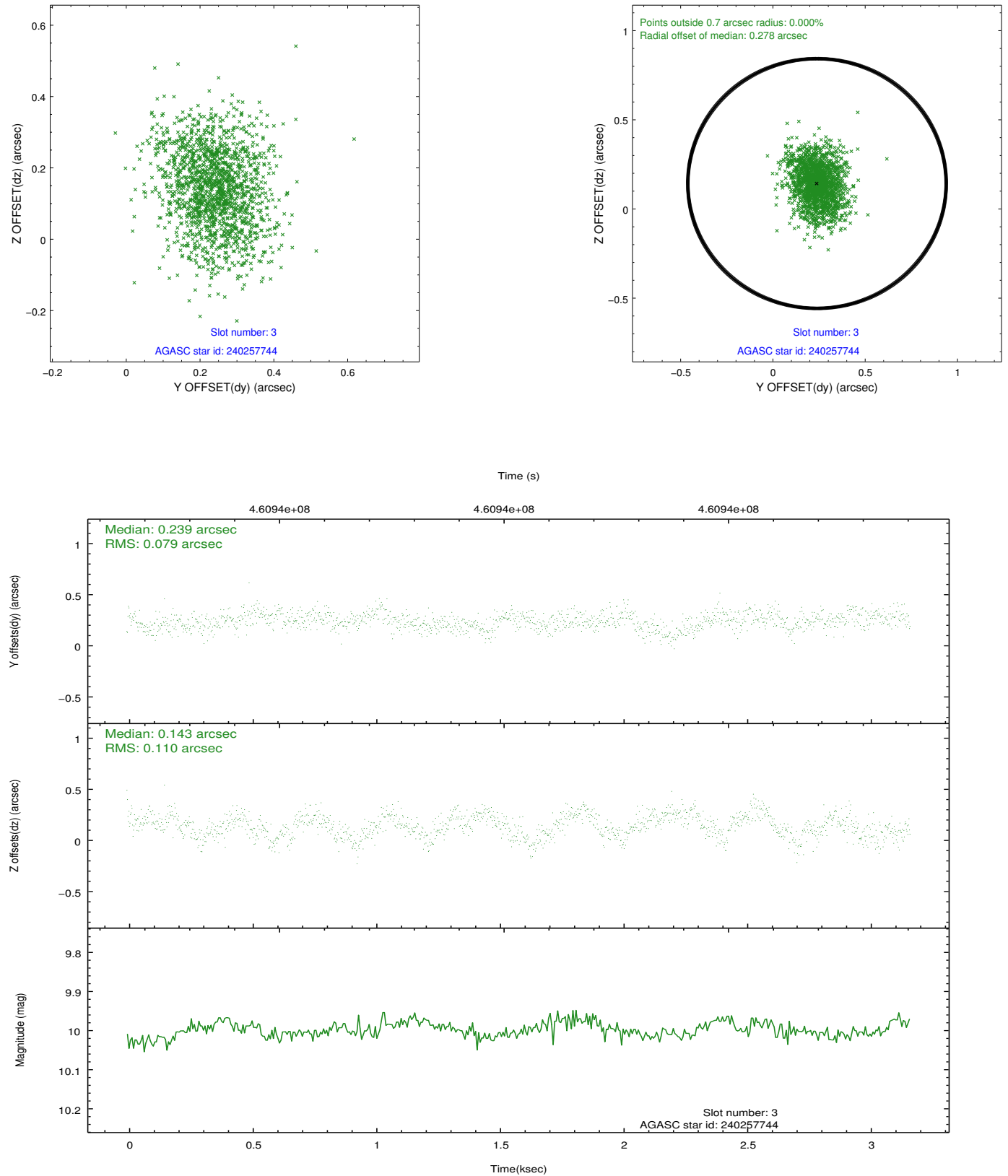


Slot Statistics

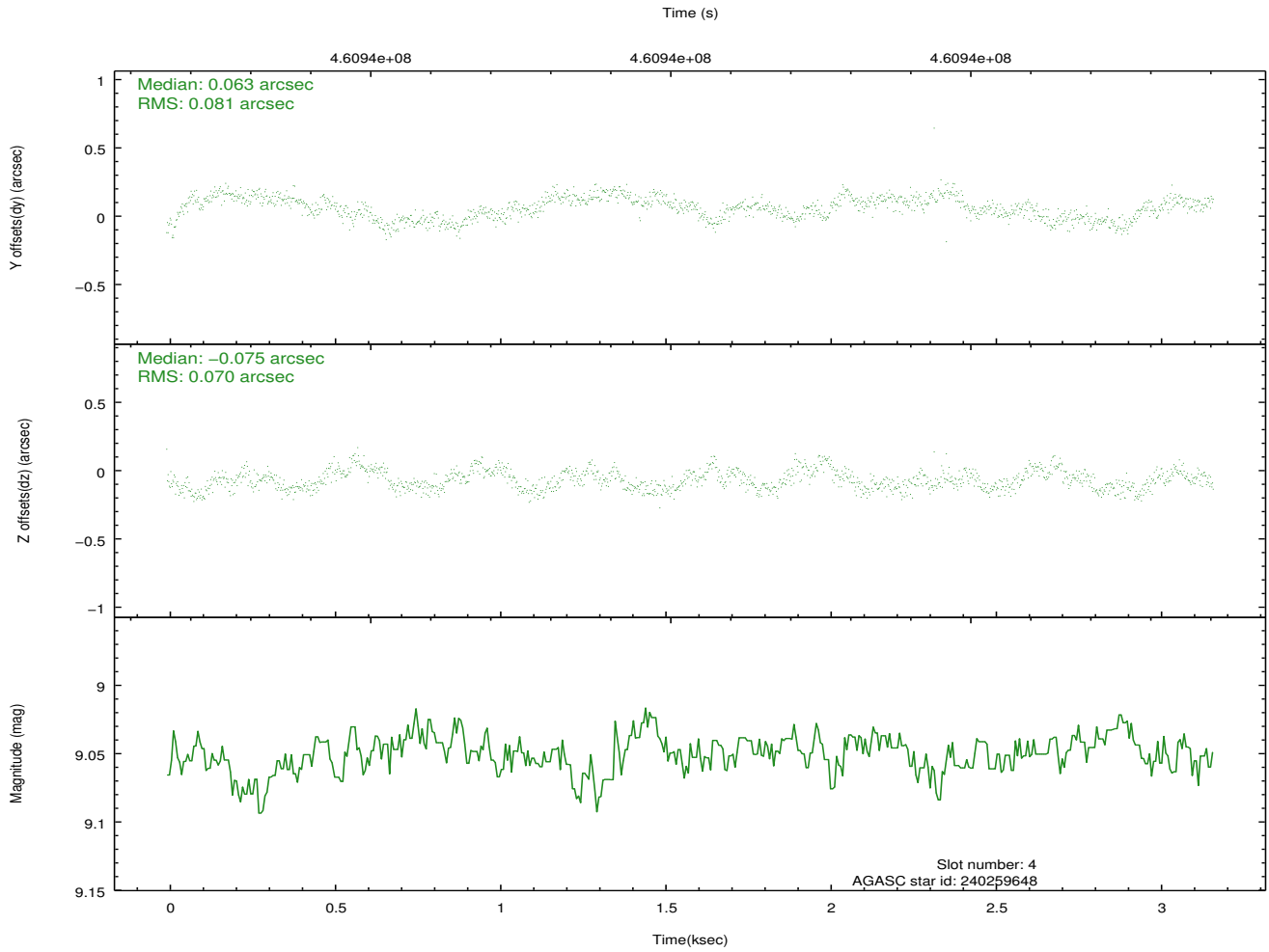
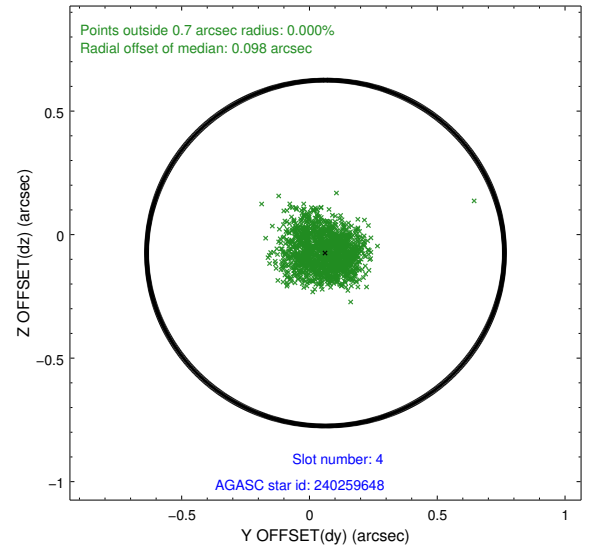
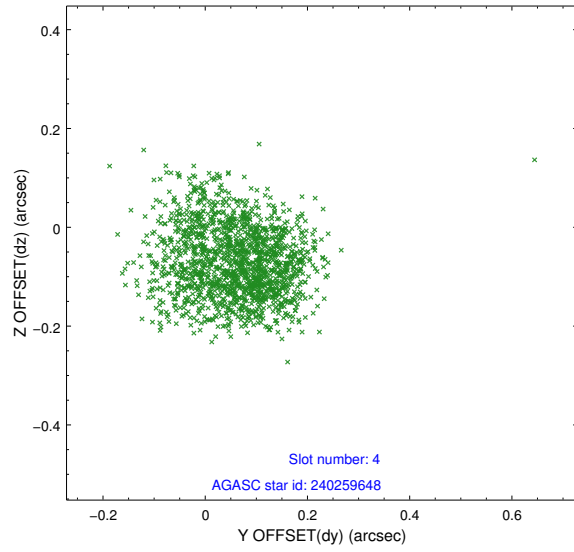
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	773	-0.058	0.007	0.006	0.010	0.000000	0.000000	-764.16	-1737.15
1	FID	ACIS-S-4	6.99	773	0.154	0.026	0.006	0.010	0.000000	0.000000	2148.41	169.27
2	FID	ACIS-S-5	7.02	773	-0.127	-0.025	0.006	0.011	0.000000	0.000000	-1814.50	165.17
3	GUIDE	240257744	10.00	1545	0.239	0.143	0.143	0.230	68.732993	25.359775	-1974.59	-1526.29
4	GUIDE	240259648	9.05	1545	0.063	-0.075	0.114	0.177	68.773335	25.433463	-1727.45	-1688.53
5	GUIDE	240260568	10.11	1541	0.171	0.279	0.158	0.251	68.738938	25.619304	-1049.72	-1653.94
6	GUIDE	240780704	9.33	1543	-0.305	-0.322	0.111	0.181	67.945198	26.407108	2068.95	561.71
7	GUIDE	240259472	7.82	1545	-0.178	-0.027	0.083	0.130	68.090831	25.185490	-2351.59	623.36

2.4 Star Slots

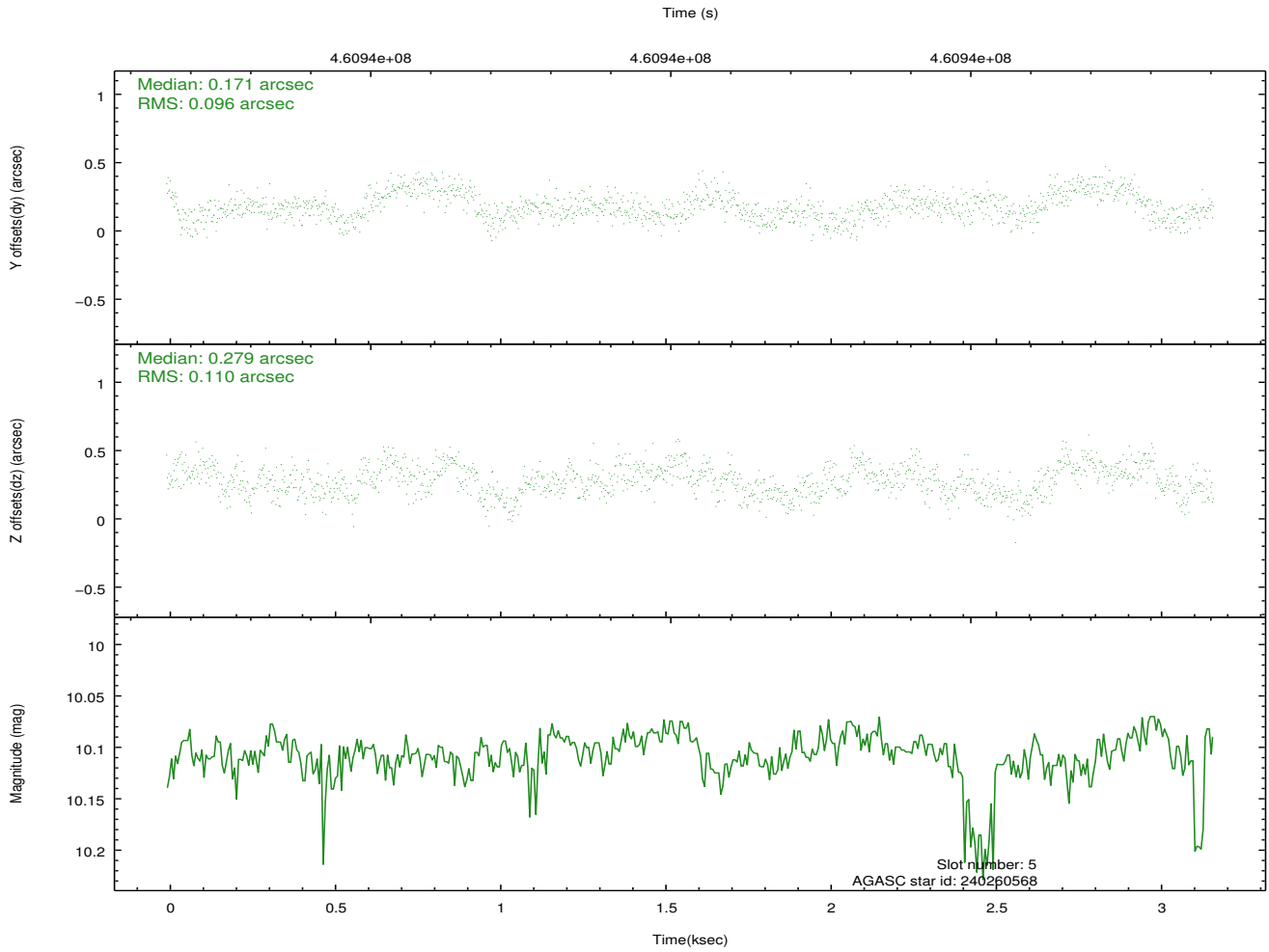
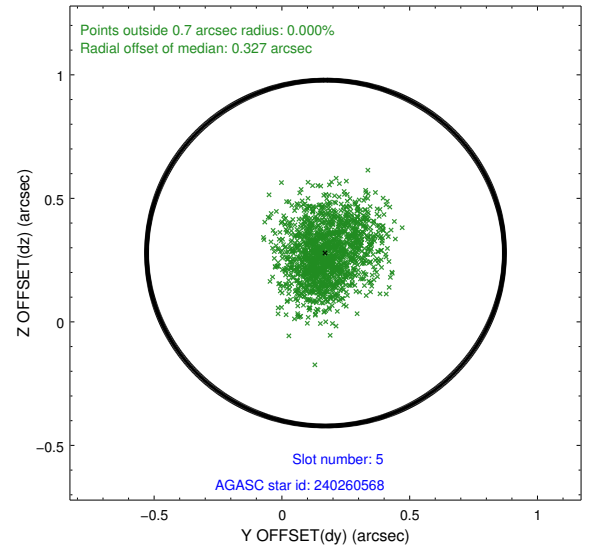
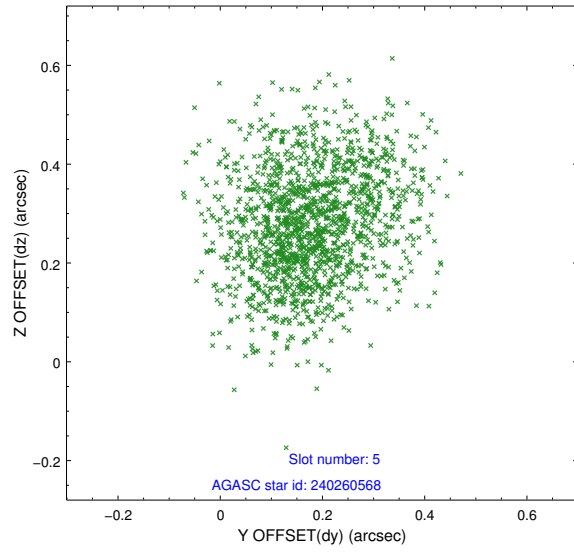
2.4.1 Slot 3



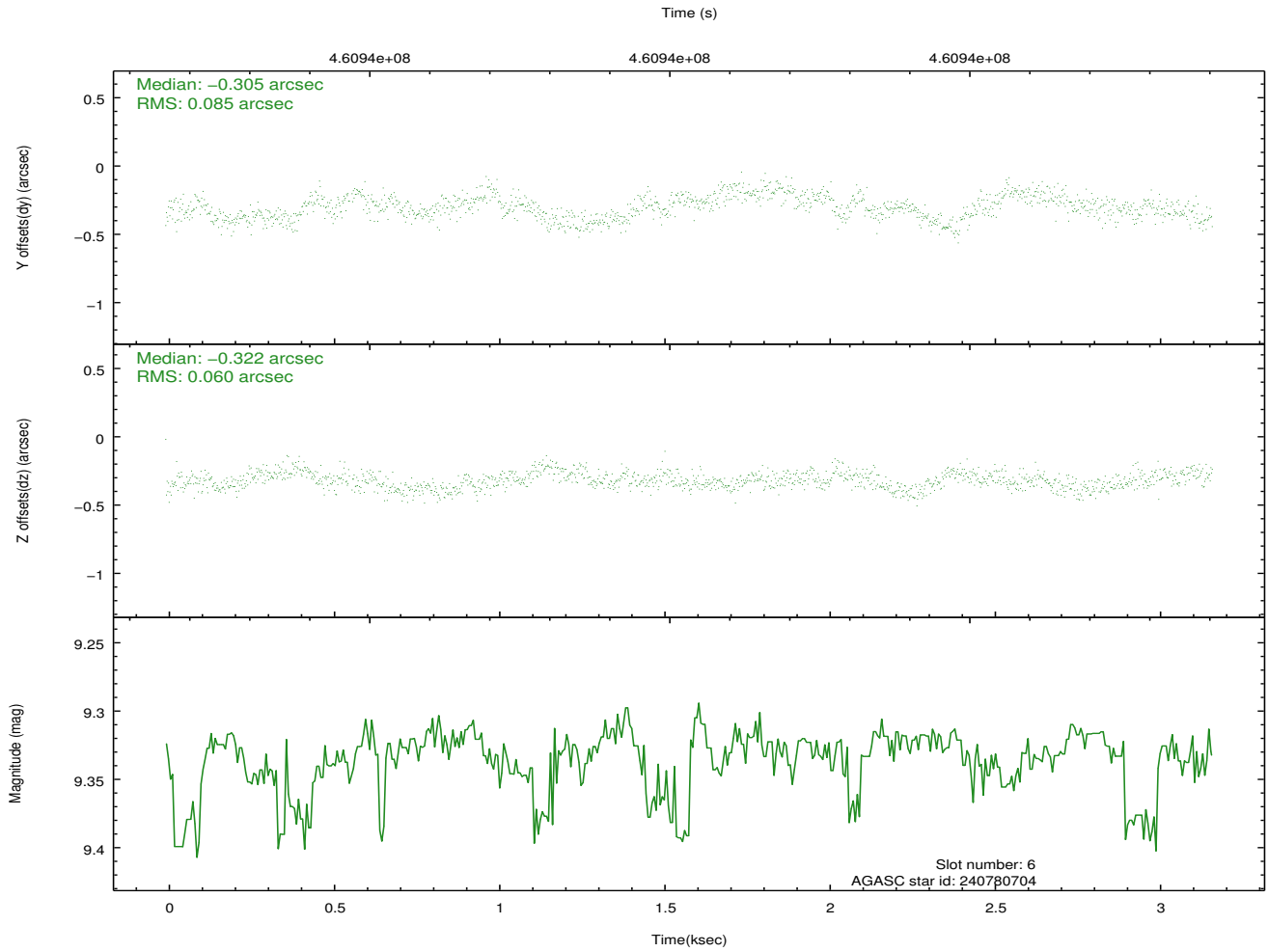
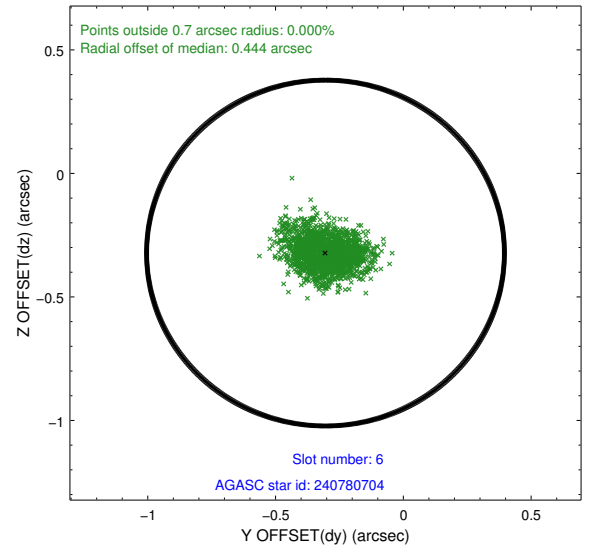
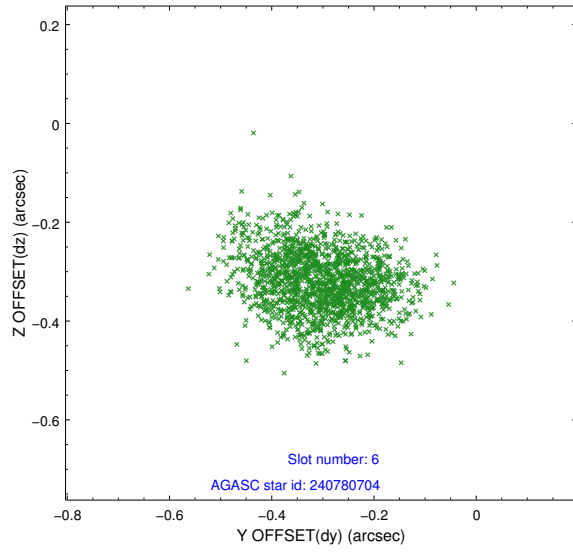
2.4.2 Slot 4



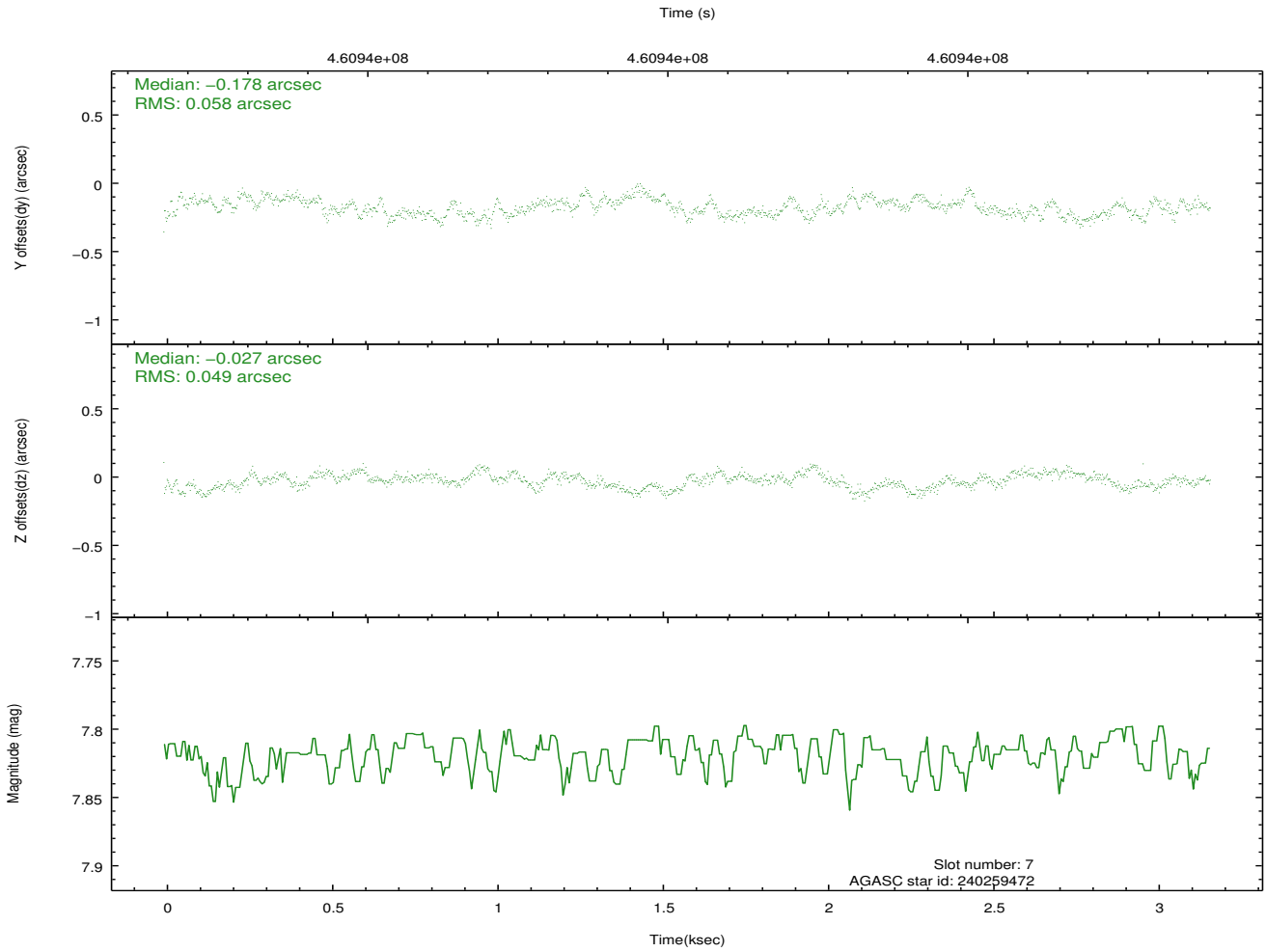
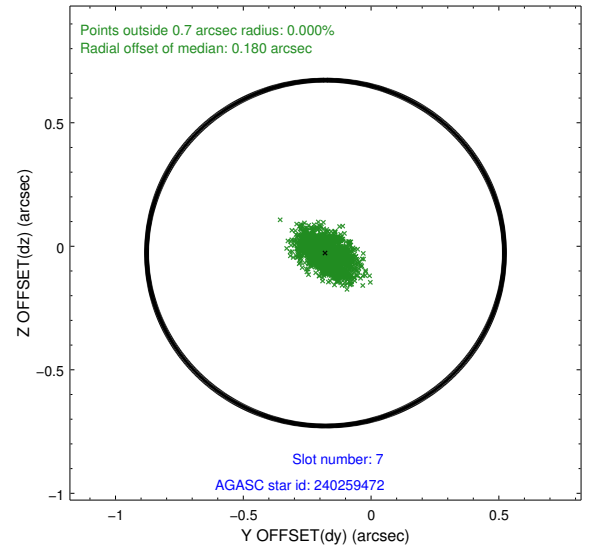
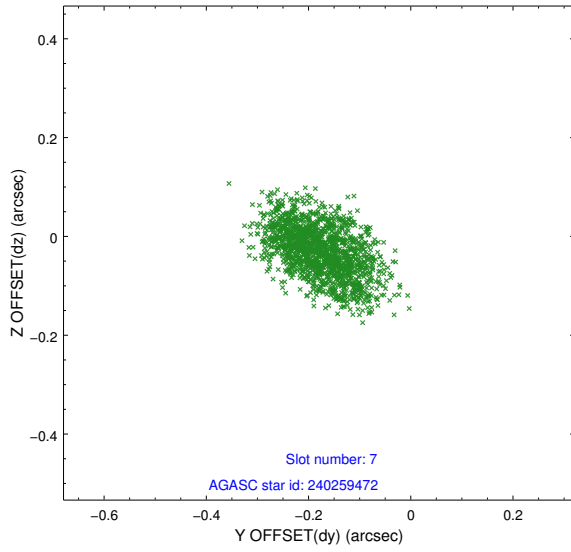
2.4.3 Slot 5



2.4.4 Slot 6

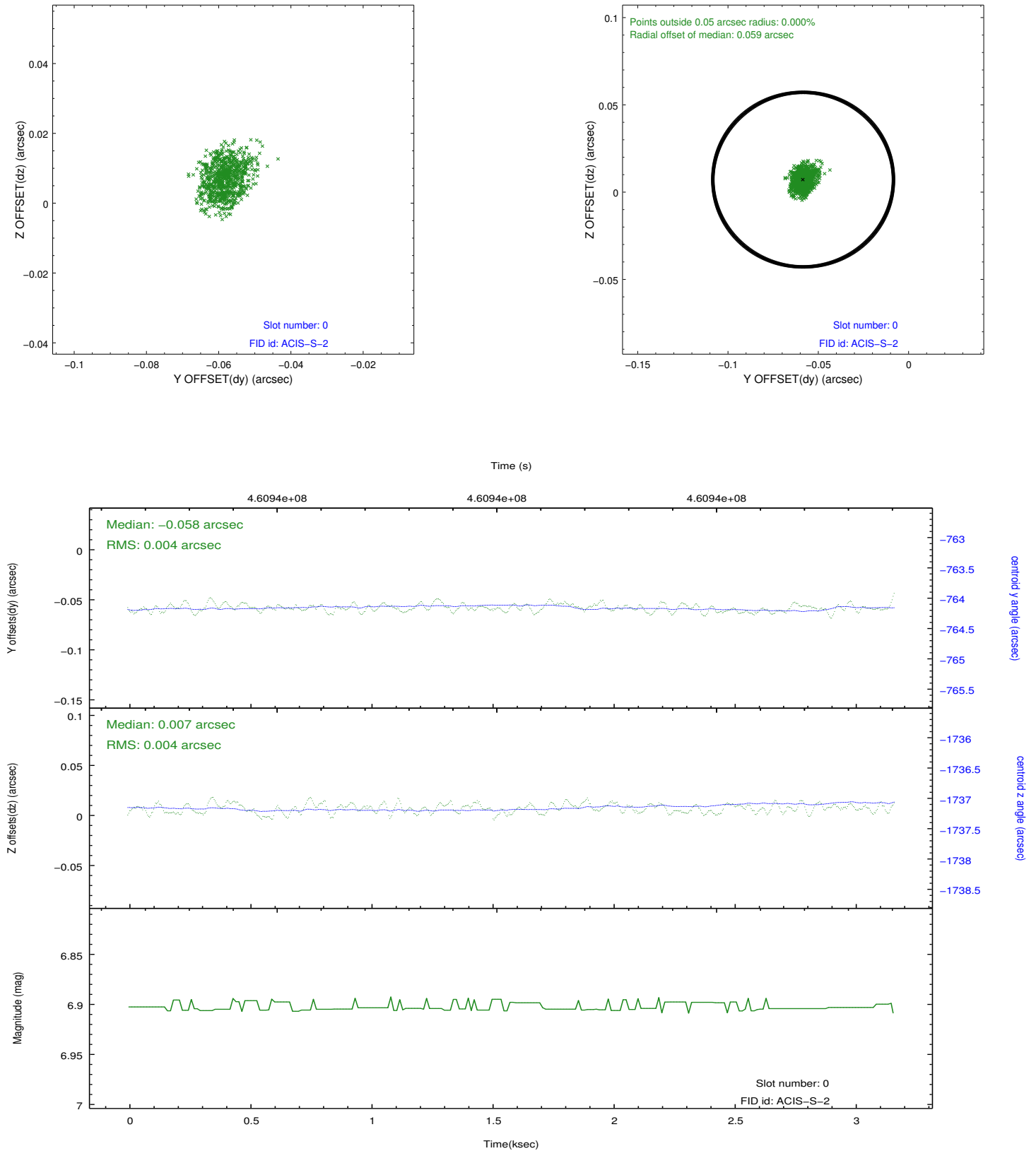


2.4.5 Slot 7

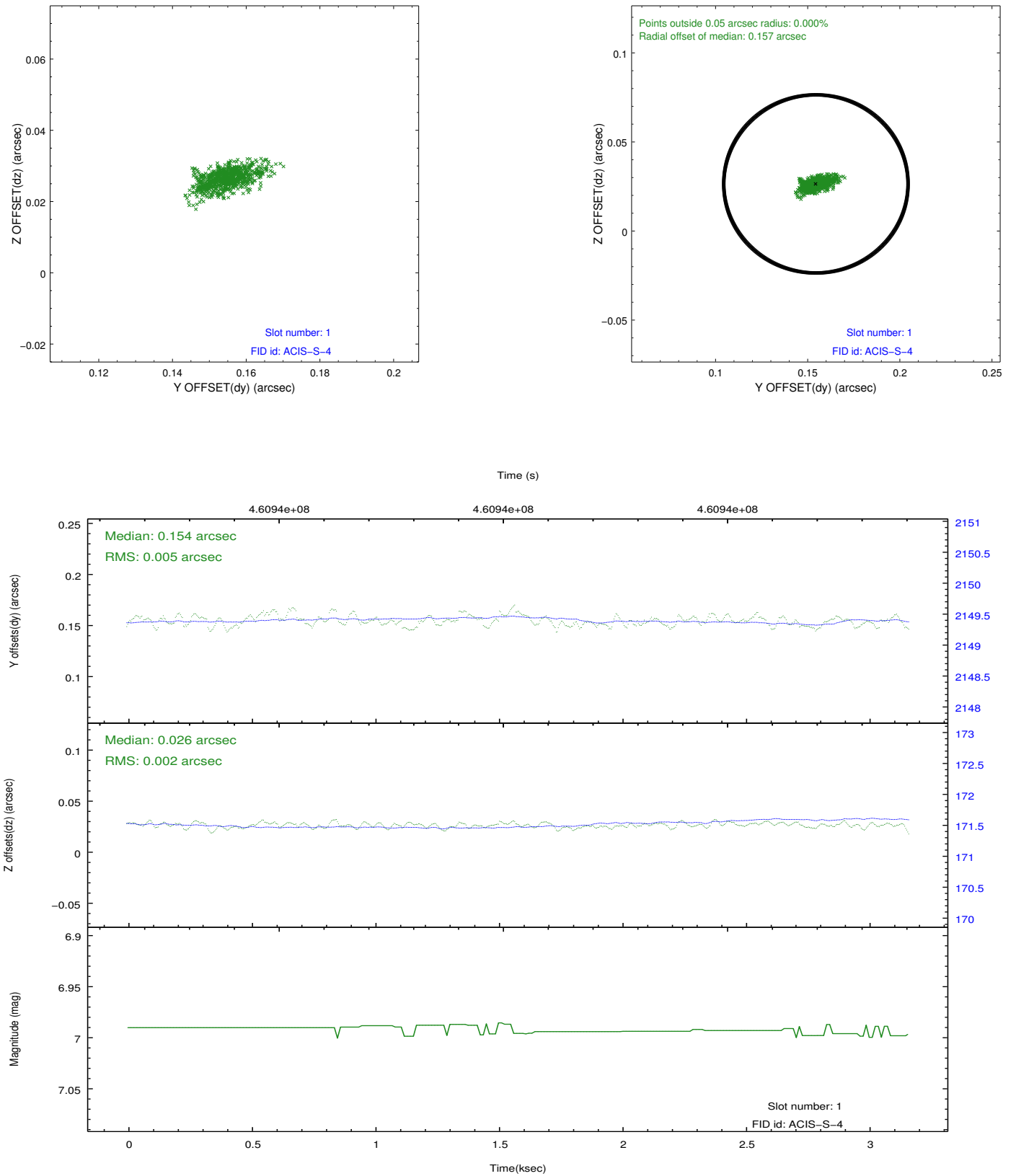


2.5 FID Slots

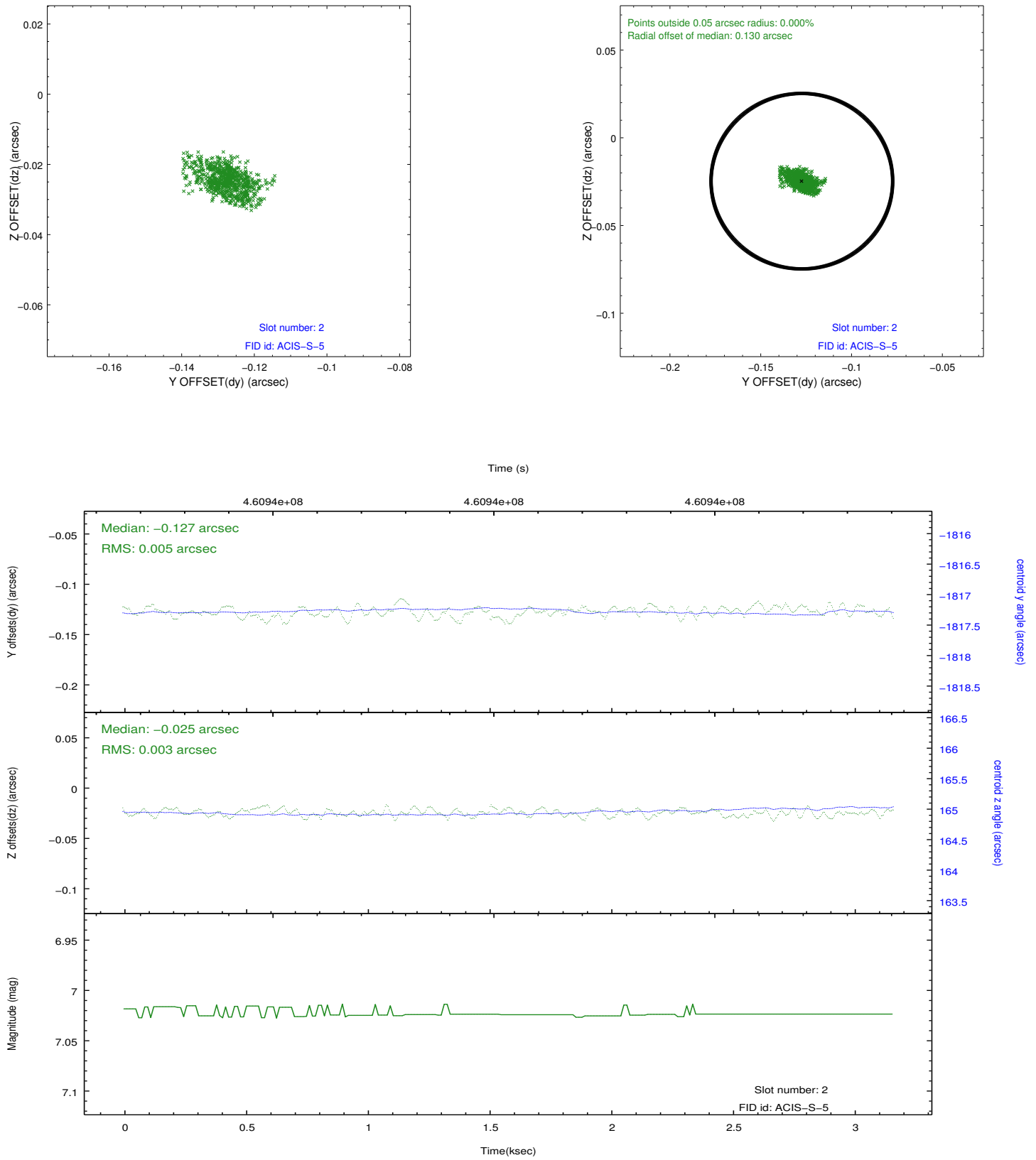
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0695780020356

A.2 Comments

Phase constraint met.