

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4532 - L2 Version 3
Chandra X-Ray Center

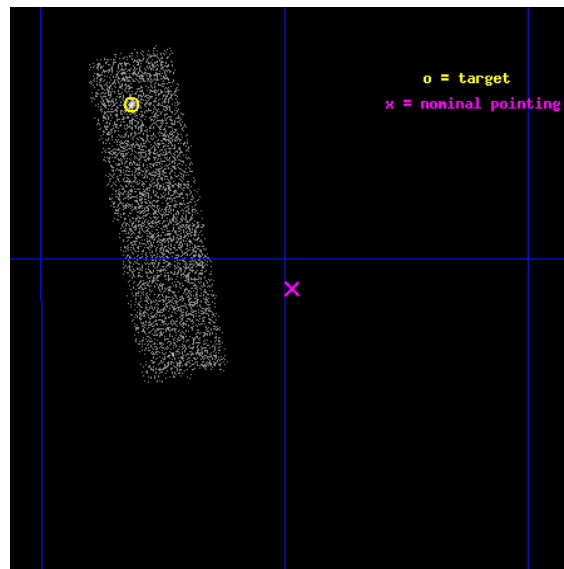
L2 Processing Date : Dec 10 2012

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

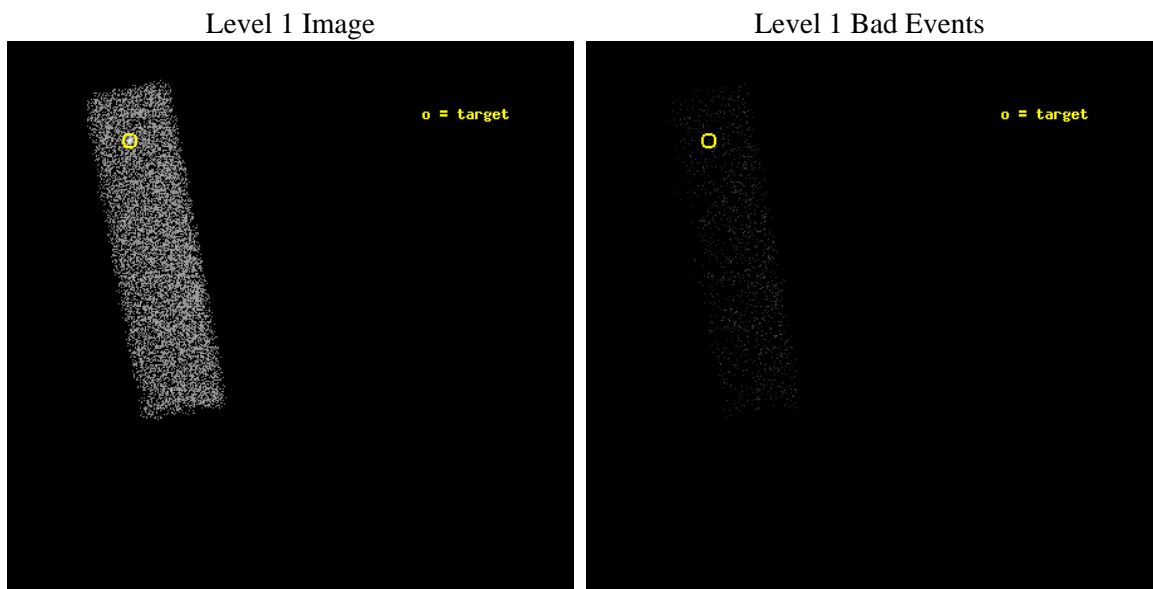
seq_num	300126	Sequence number
obs_id	4532	Observation id
title	Multiwavelength Target of Opportunity Observations of One Bright Nova in Outburst	Proposal title
observer	Regents' Professor Sumner Starrfield	Principal investigator
object	V1187 Sco	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	262.328333	Observer's specified target RA [deg]
dec_targ	-31.767083	Observer's specified target Dec [deg]
ra_nom	262.24640308055	Nominal RA [deg]
dec_nom	-31.846479363194	Nominal Dec [deg]
roll_nom	259.68475926934	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5148.8000767231	Sum of GTIs [s]
liveltime	4897.5554805699	Livetime [s]
ontime7	5148.8000767231	Sum of GTIs [s]
l2events	6215	Number of level 2 events



2 OBI

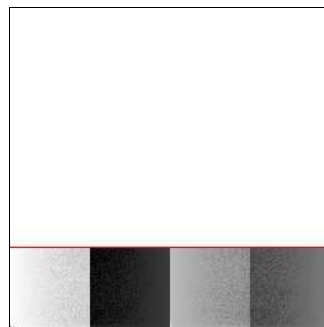
2.1 OBI

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	8.5	Processing system revision	ontime	5148.8000767231	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	5148.8000767231	Sum of GTIs [s]
date	2012-12-10T11:31:41	Date and time of file creation	l1events	17361	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

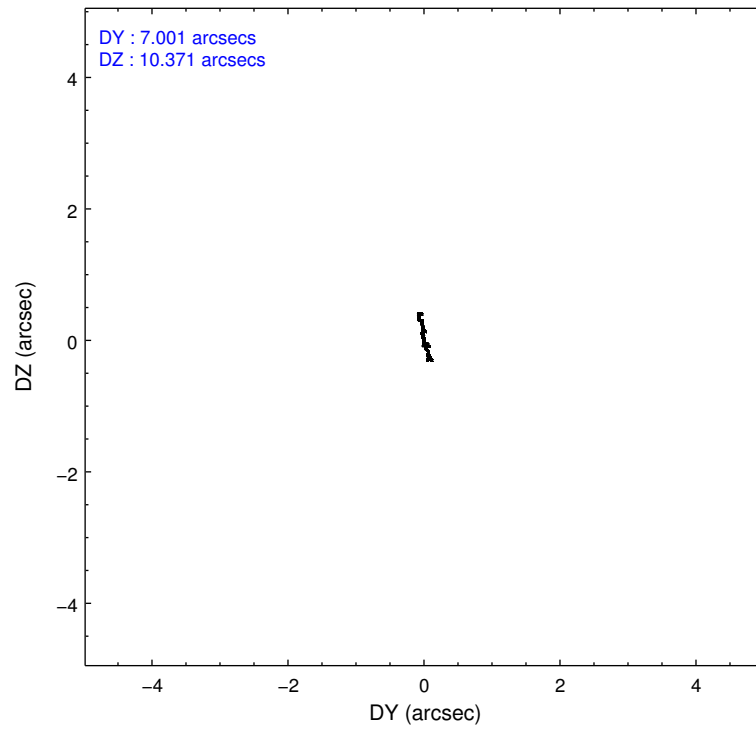
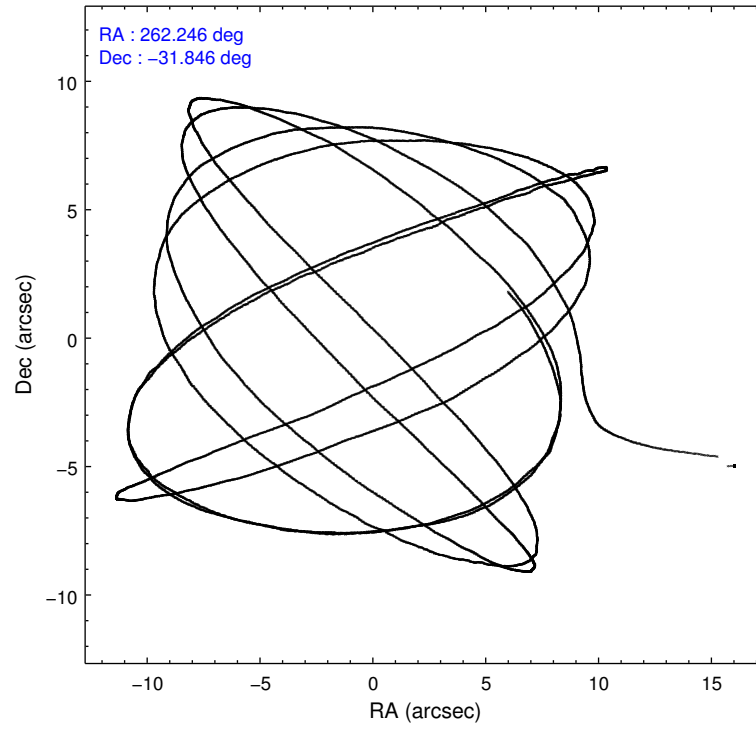
	ccd 7
level 1 events	17361
rejected events	10992
rejected %	63%

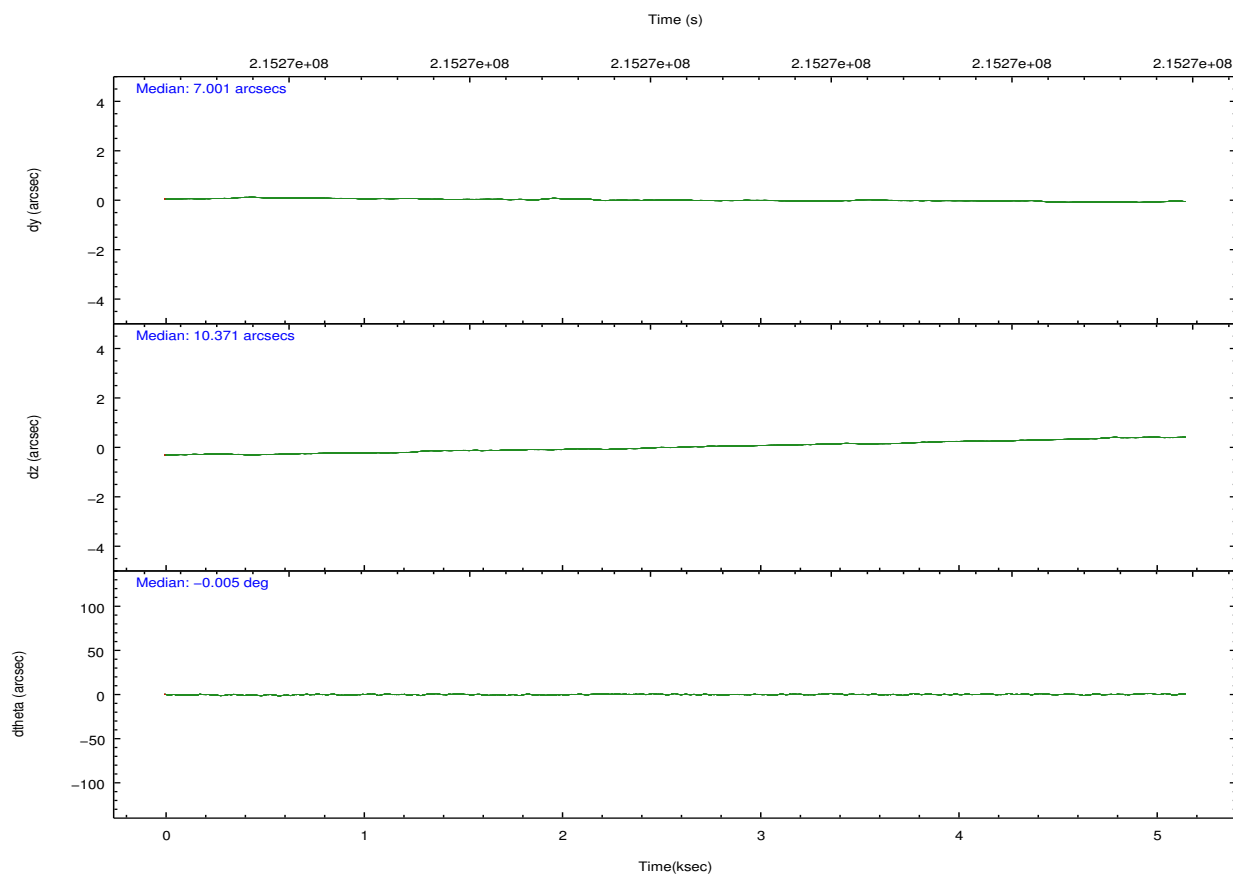
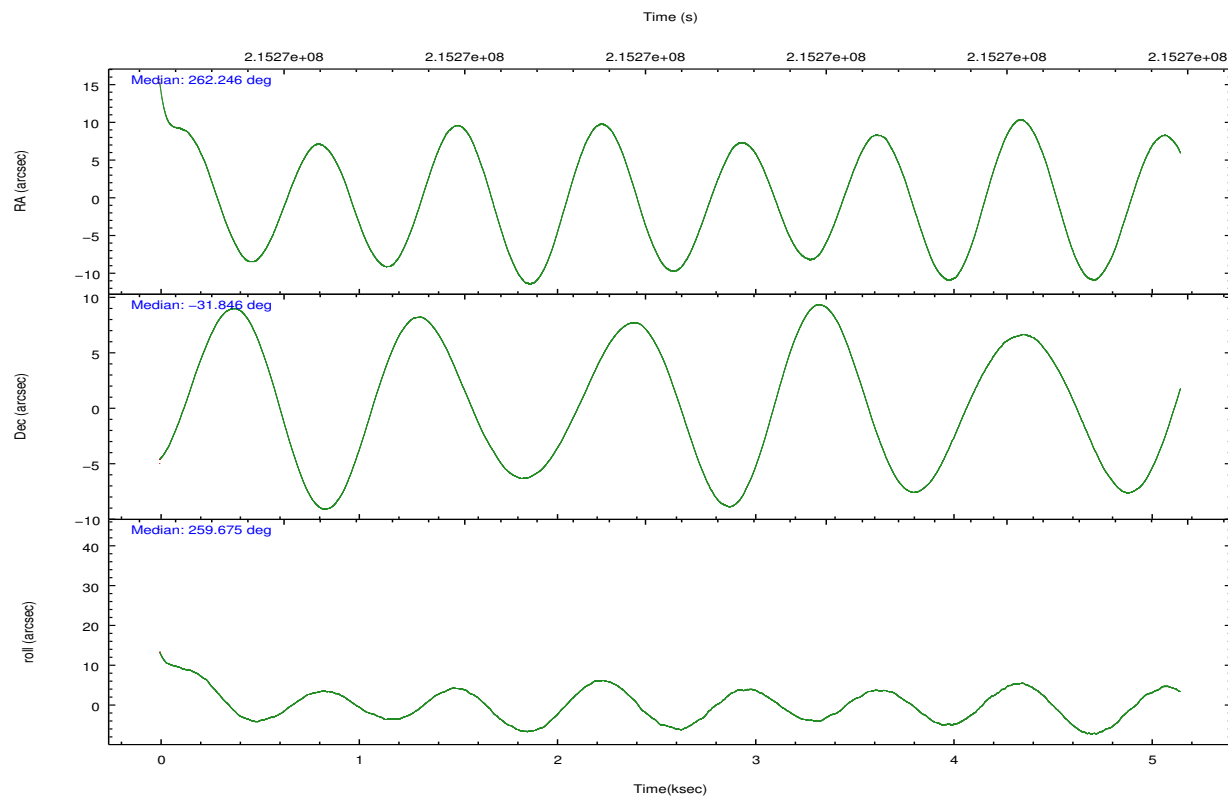
	ccd 7
grade 0 events	782
	4%
grade 1 events	19
	0%
grade 2 events	1574
	9%
grade 3 events	869
	5%
grade 4 events	844
	4%
grade 5 events	1607
	9%
grade 6 events	3817
	21%
grade 7 events	7849
	45%

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	262.235086	262.2464030805544	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-31.820931	-31.84647936319372	Subarray start row	1	1
[deg] Pointing Roll	259.522172	259.6847592693425	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	215265711.184000	215264305.50763			
Observation start date	2004-10-27T12:00:47	2004-10-27T11:38:25			
[s] Observation end time (MET)	215270711.184000	215271241.17044			
Observation end date	2004-10-27T13:24:07	2004-10-27T13:34:01			
Read mode	TIMED	TIMED			

2.3 Aspect



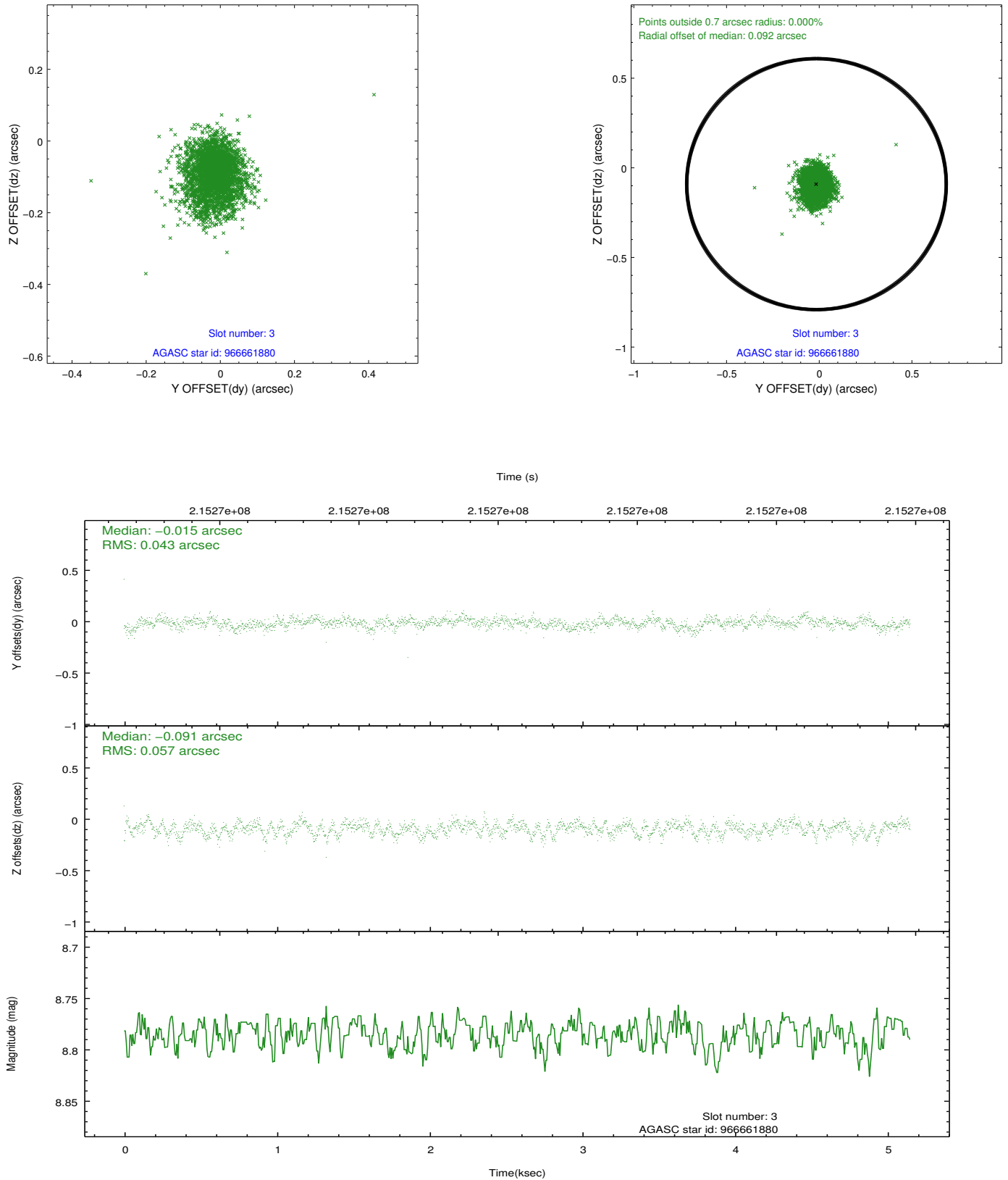


Slot Statistics

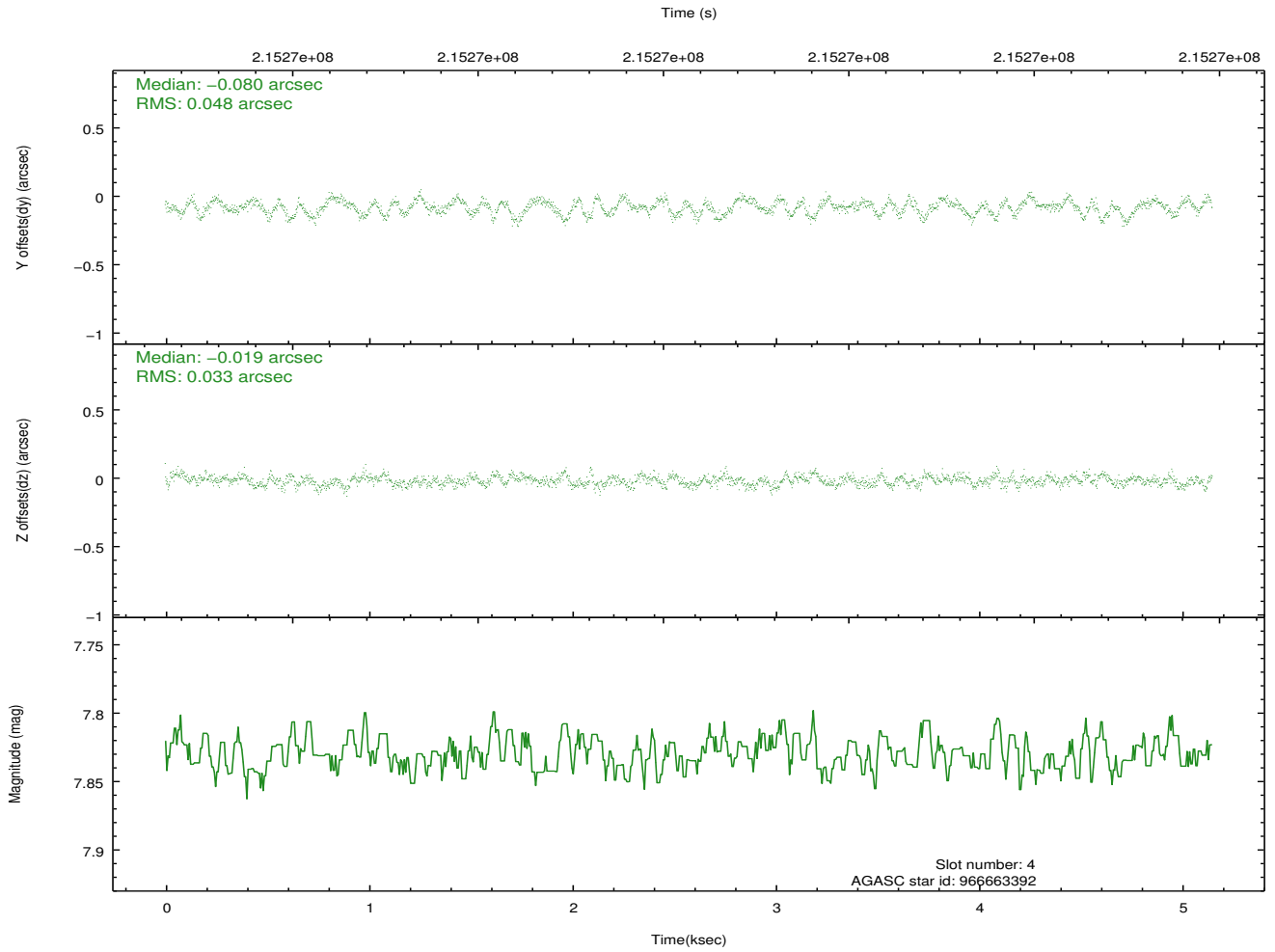
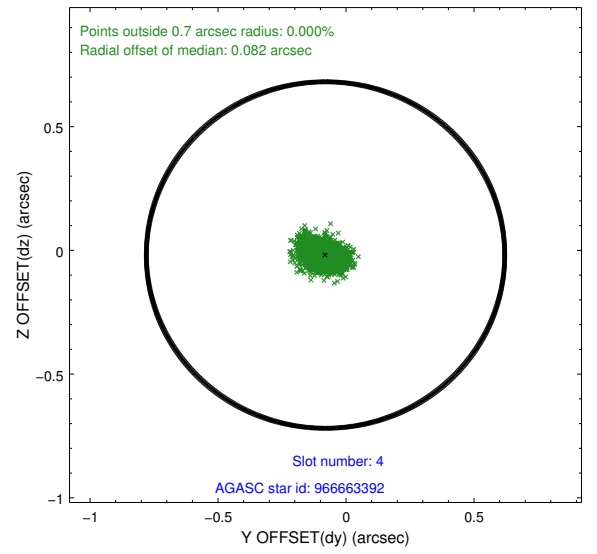
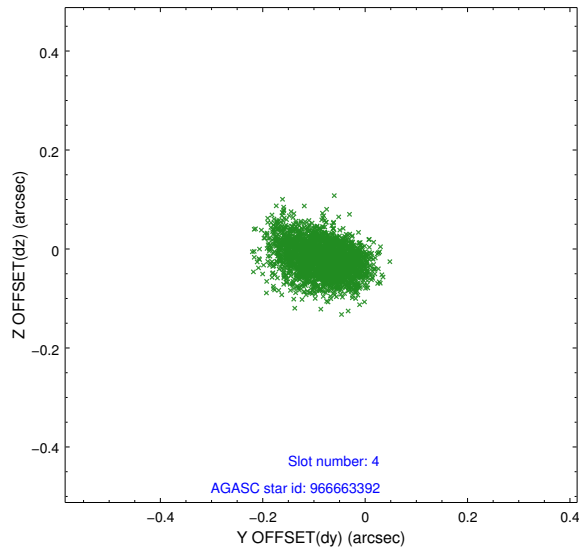
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1257	-0.066	-0.047	0.006	0.010	0.000000	0.000000	-759.80	-1731.71
1	FID	ACIS-S-4	7.20	1257	0.067	0.029	0.007	0.012	0.000000	0.000000	2153.05	175.68
2	FID	ACIS-S-6	7.35	1257	-0.029	0.025	0.007	0.012	0.000000	0.000000	403.69	814.38
3	GUIDE	966661880	8.78	2511	-0.015	-0.091	0.076	0.123	261.565808	-31.641855	-254.10	-2133.39
4	GUIDE	966663392	7.83	2513	-0.080	-0.019	0.062	0.102	263.029690	-31.549104	-1397.20	2219.54
5	GUIDE	966663720	7.83	2510	-0.119	0.070	0.058	0.094	262.170068	-31.384212	-1509.79	-481.99
6	GUIDE	967181504	7.87	2513	0.104	-0.165	0.065	0.103	261.671808	-32.022142	1029.51	-1558.28
7	GUIDE	967181648	8.18	2506	0.110	0.212	0.061	0.101	262.667514	-32.061716	615.56	1454.98

2.4 Star Slots

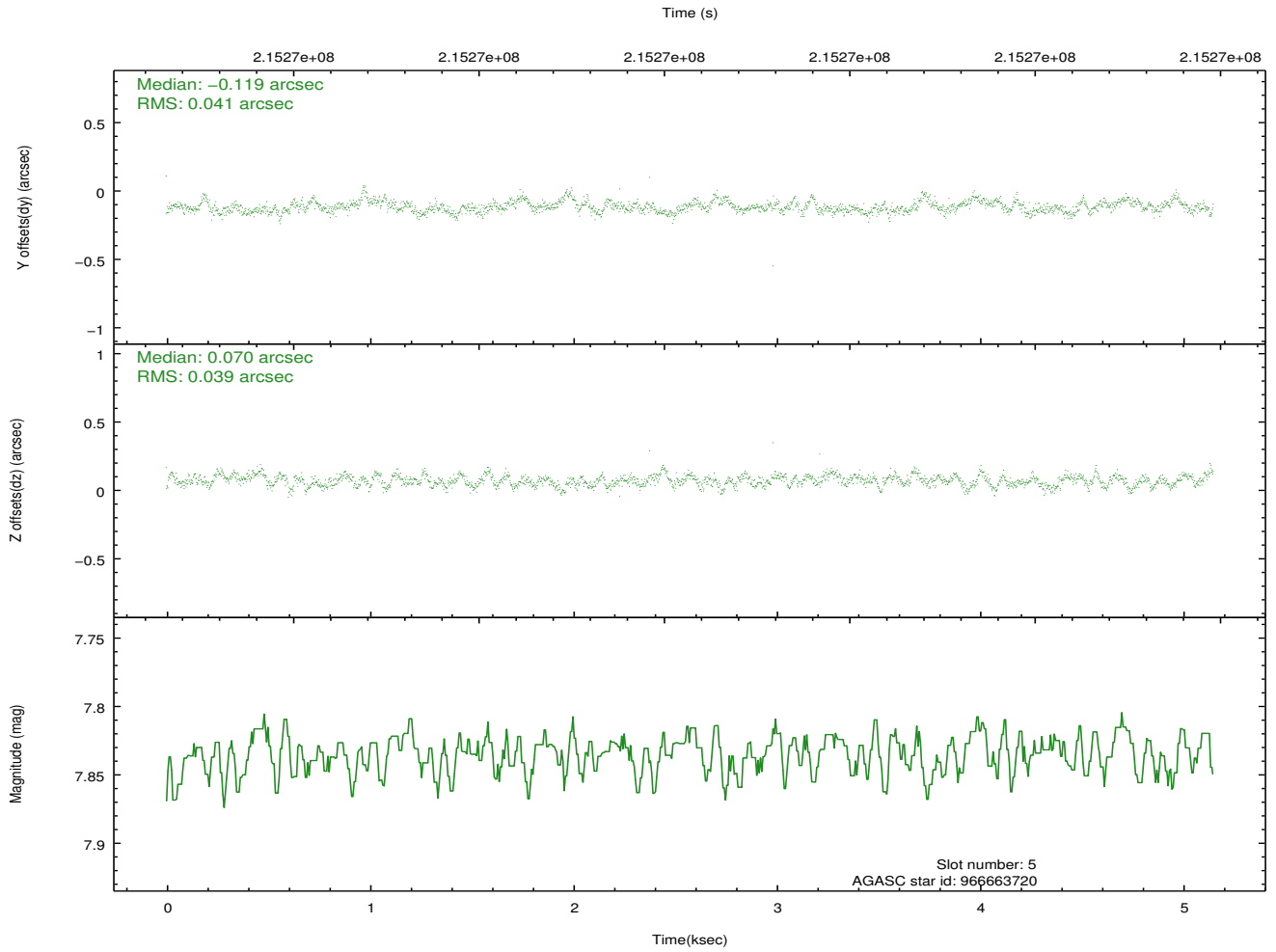
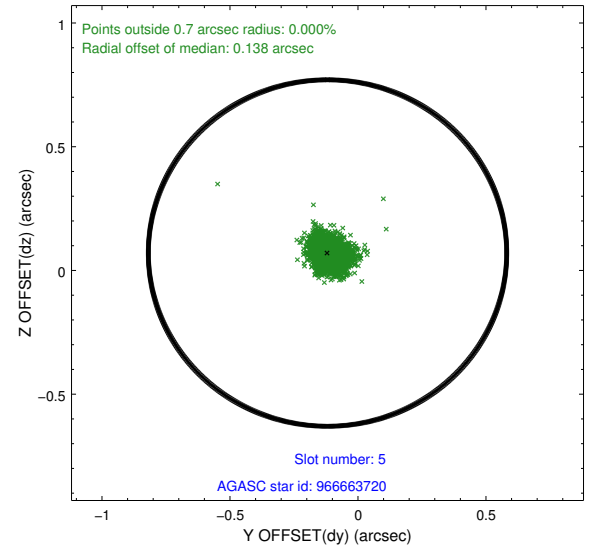
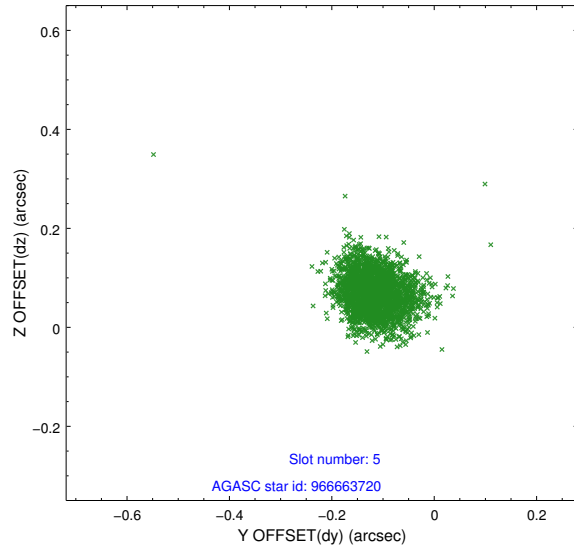
2.4.1 Slot 3



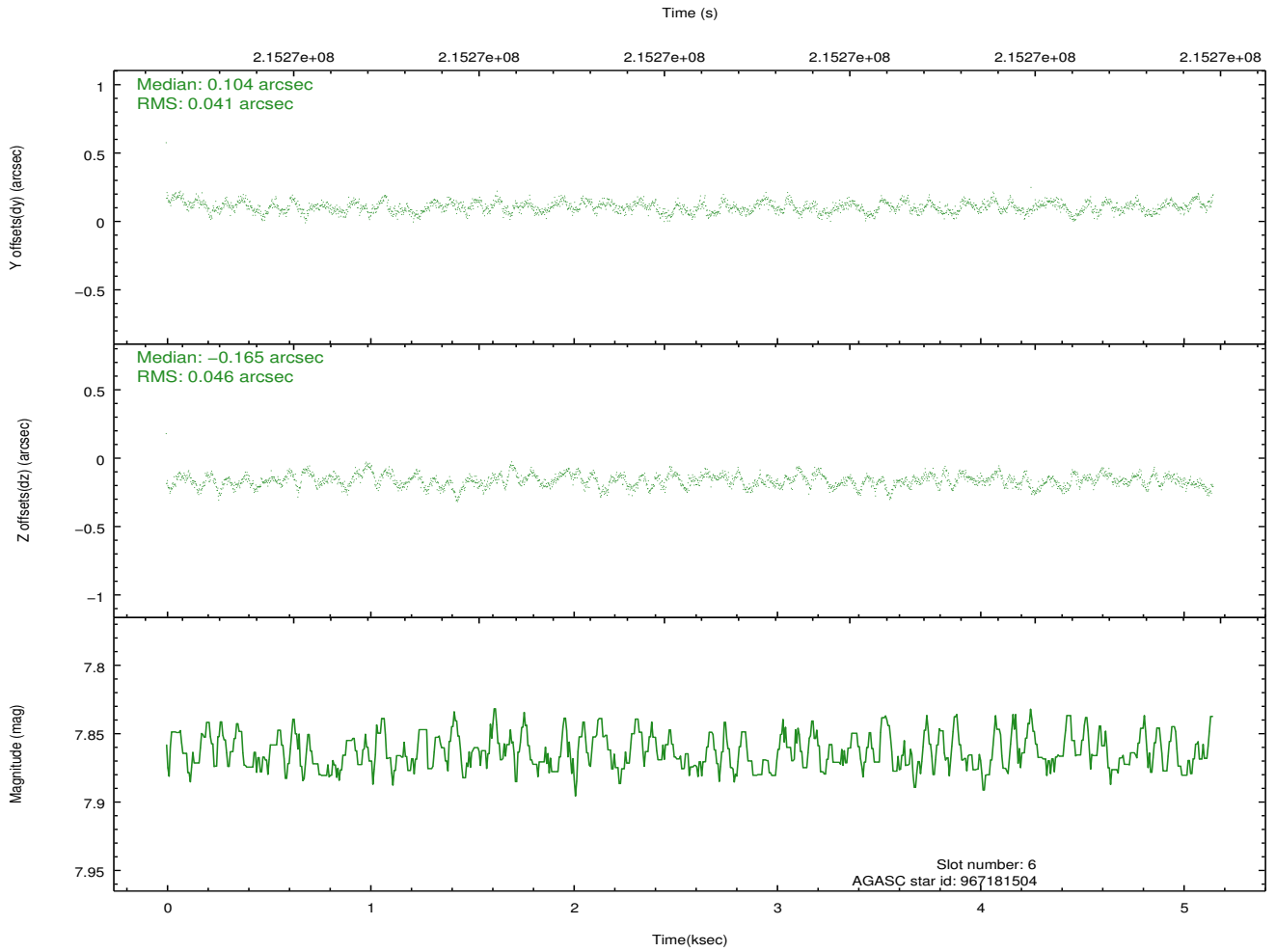
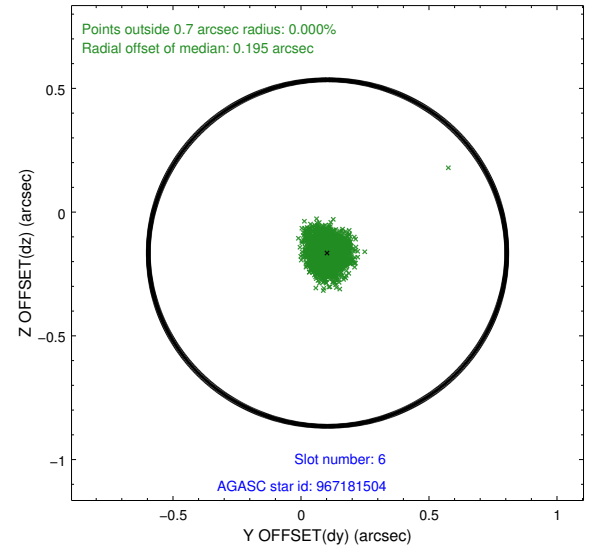
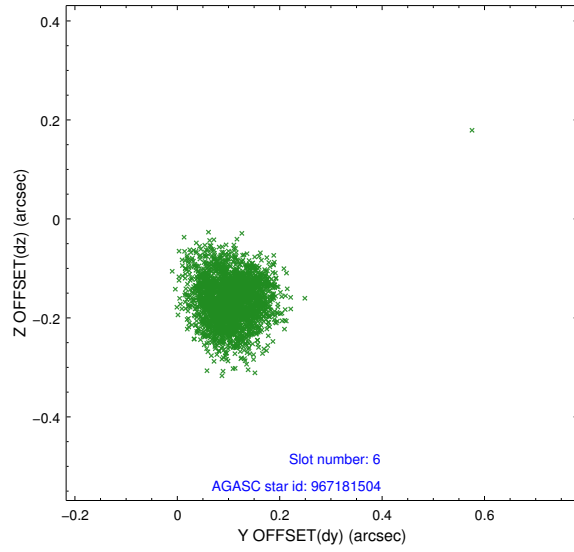
2.4.2 Slot 4



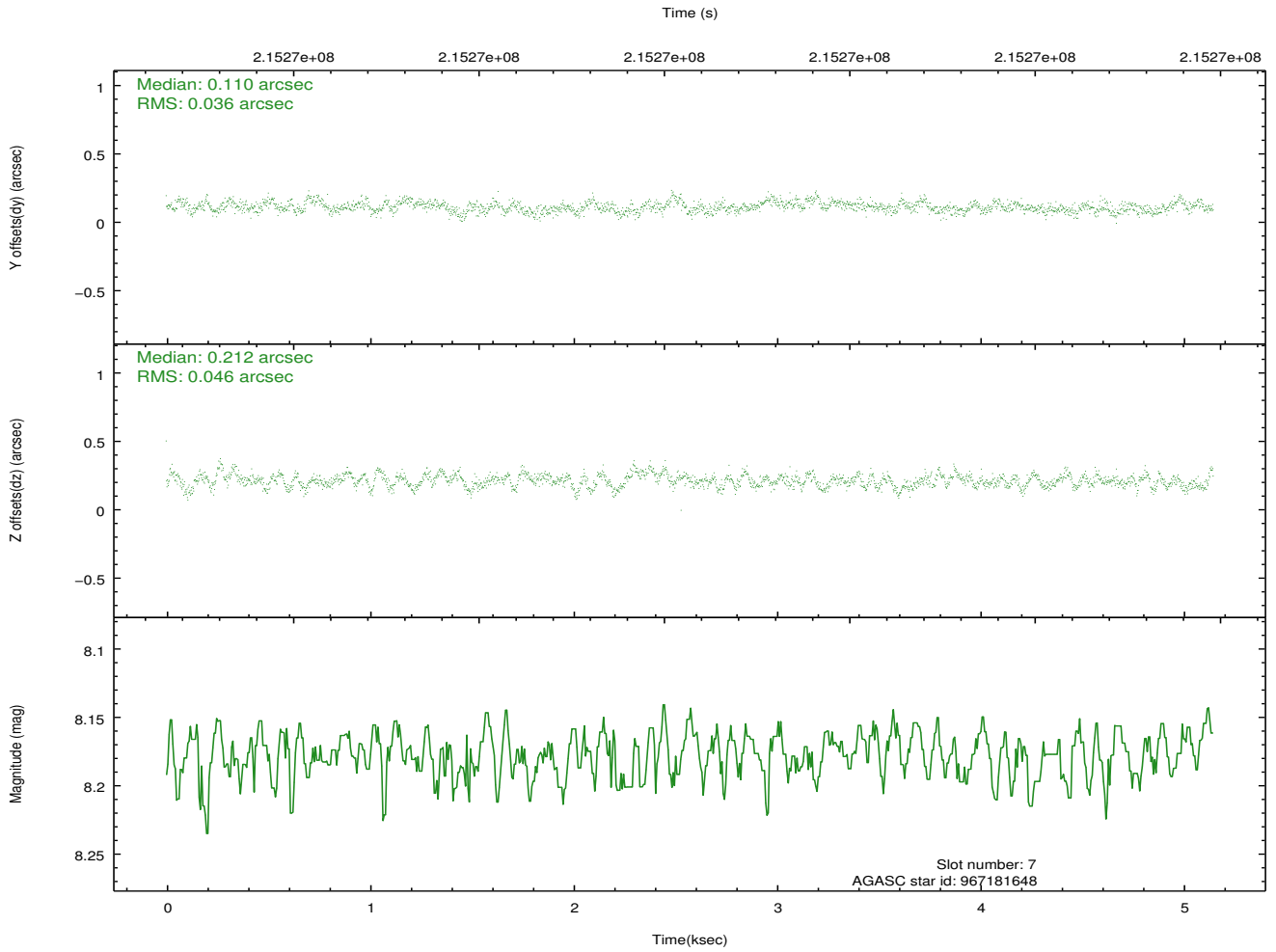
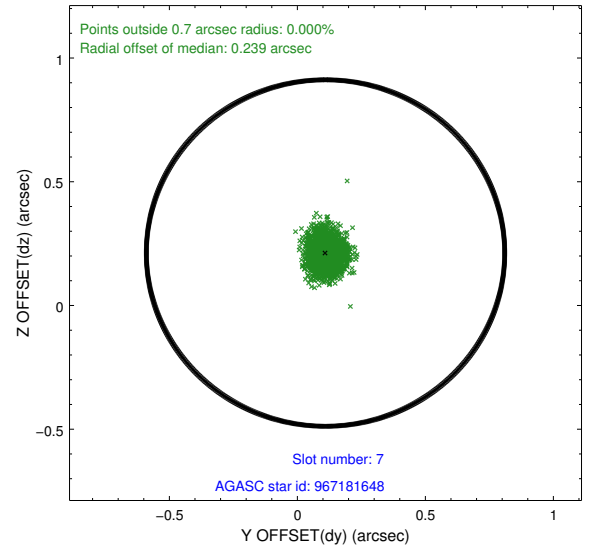
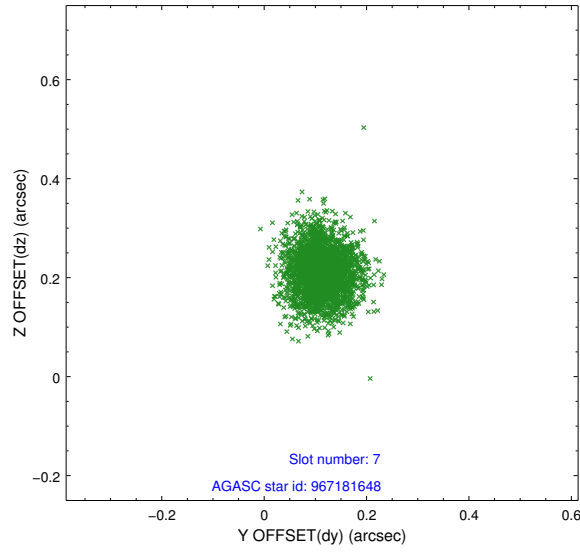
2.4.3 Slot 5



2.4.4 Slot 6

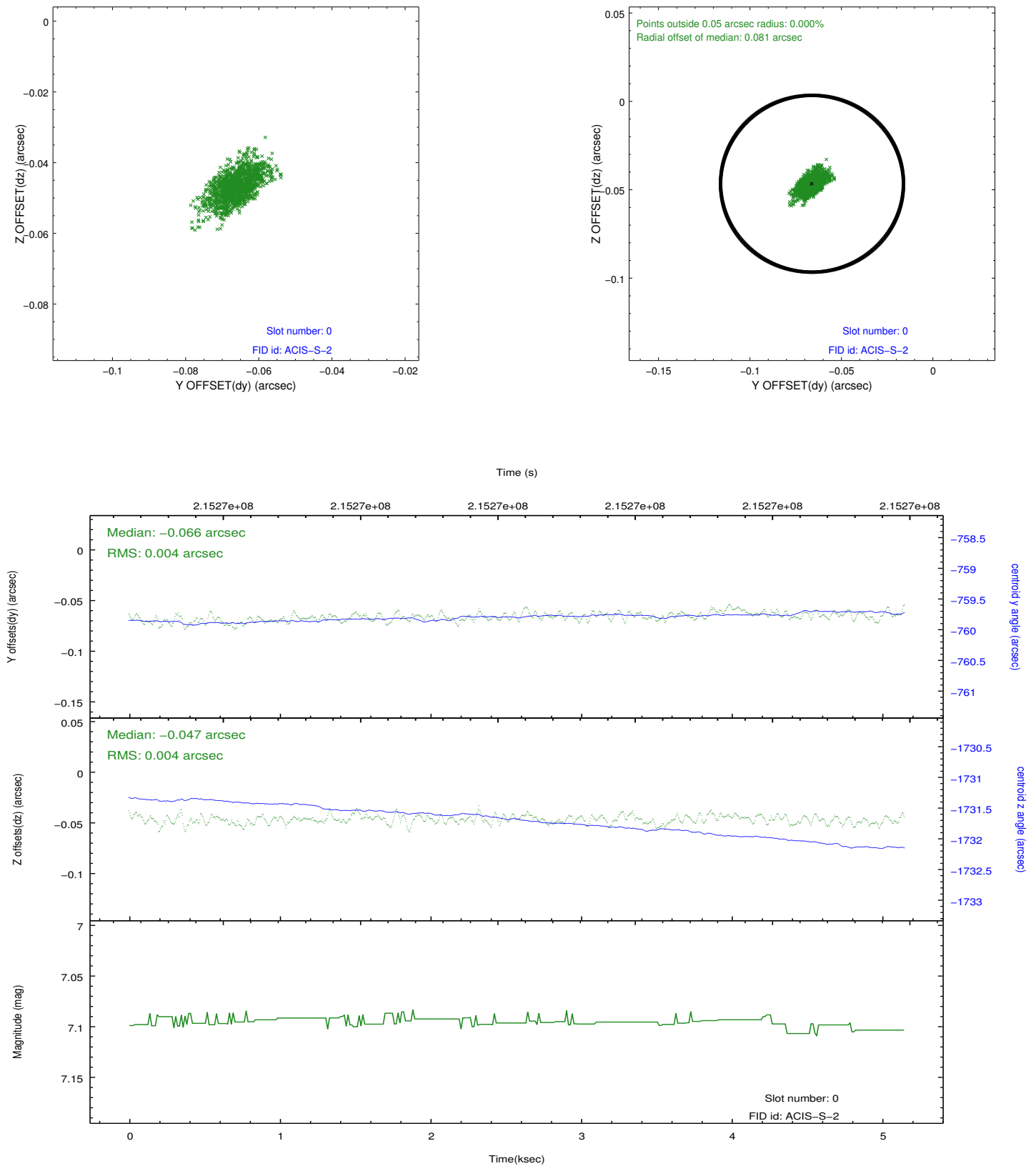


2.4.5 Slot 7

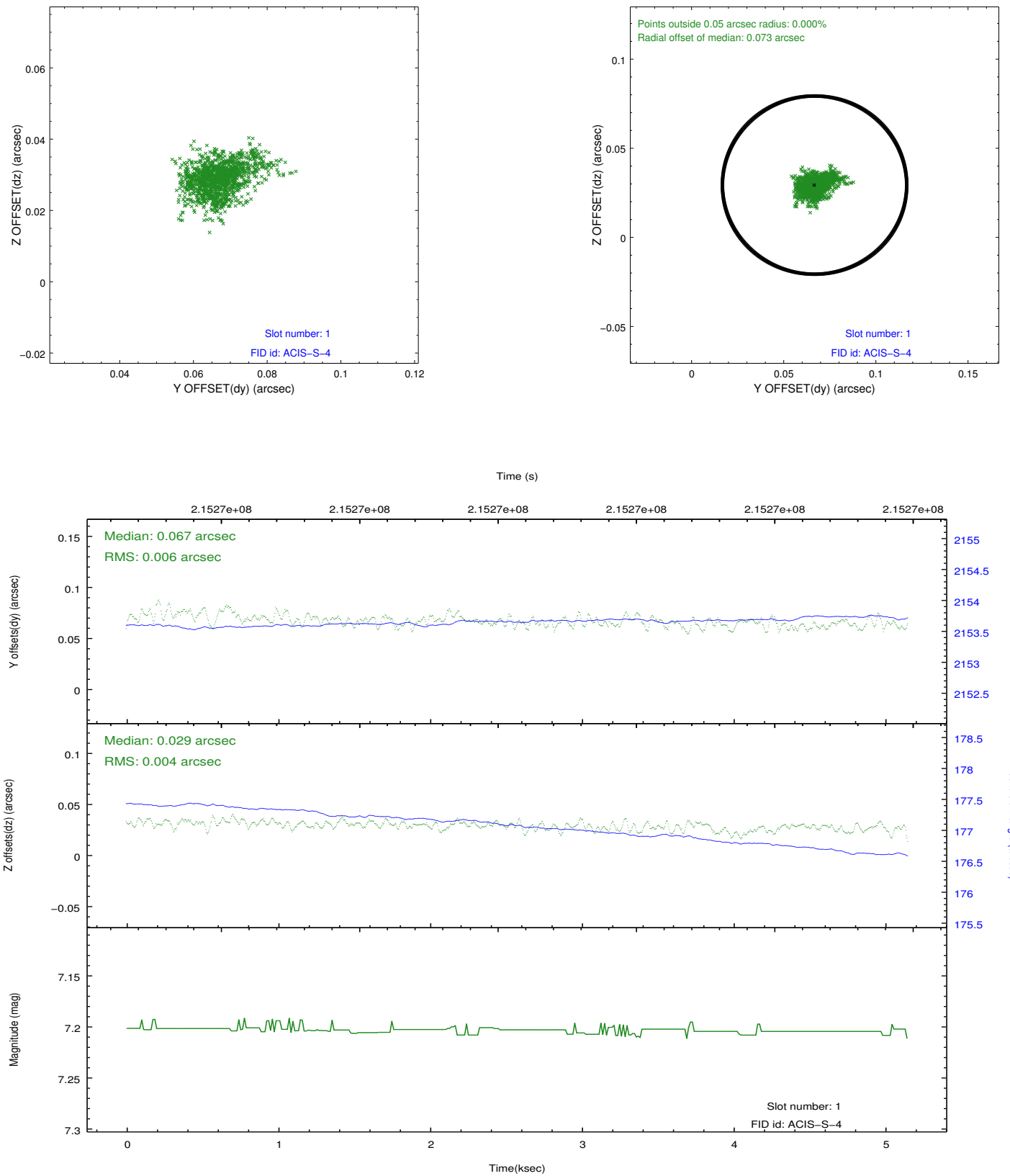


2.5 FID Slots

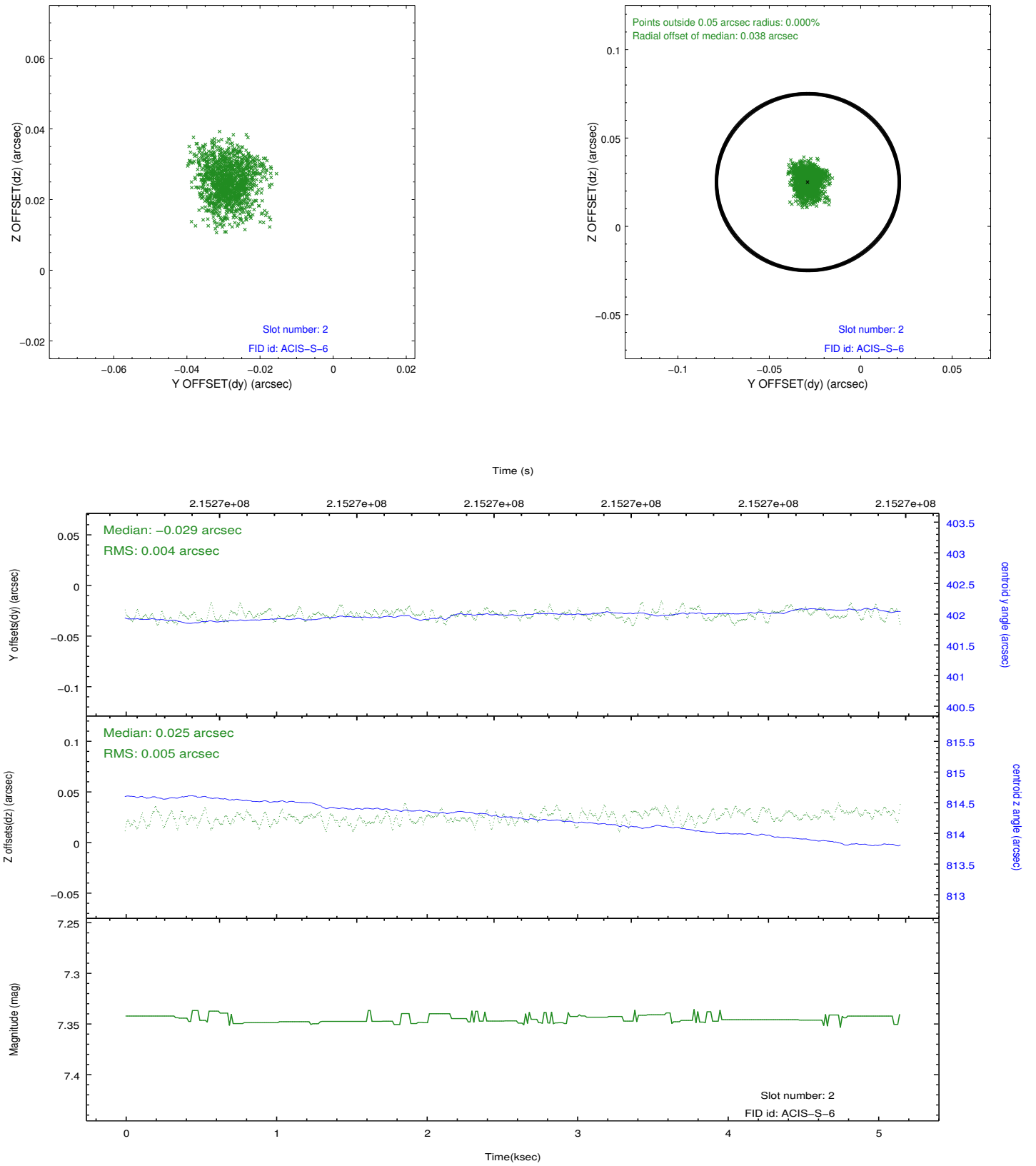
2.5.1 Slot 0



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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.148

A.2 Comments