

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4801 - L2 Version 4
Chandra X-Ray Center

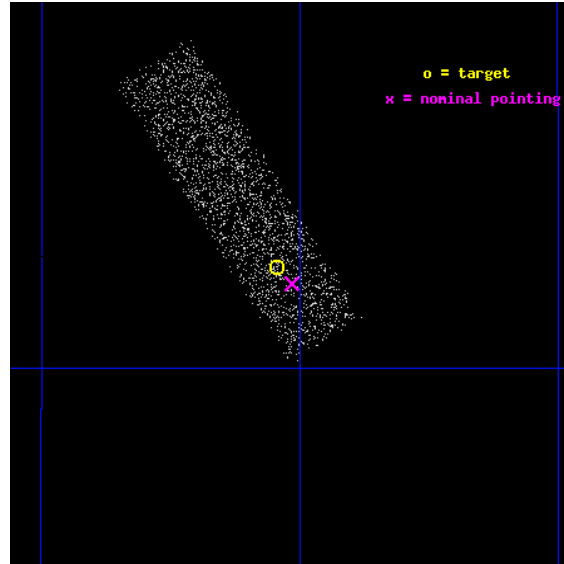
L2 Processing Date : Nov 7 2012

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

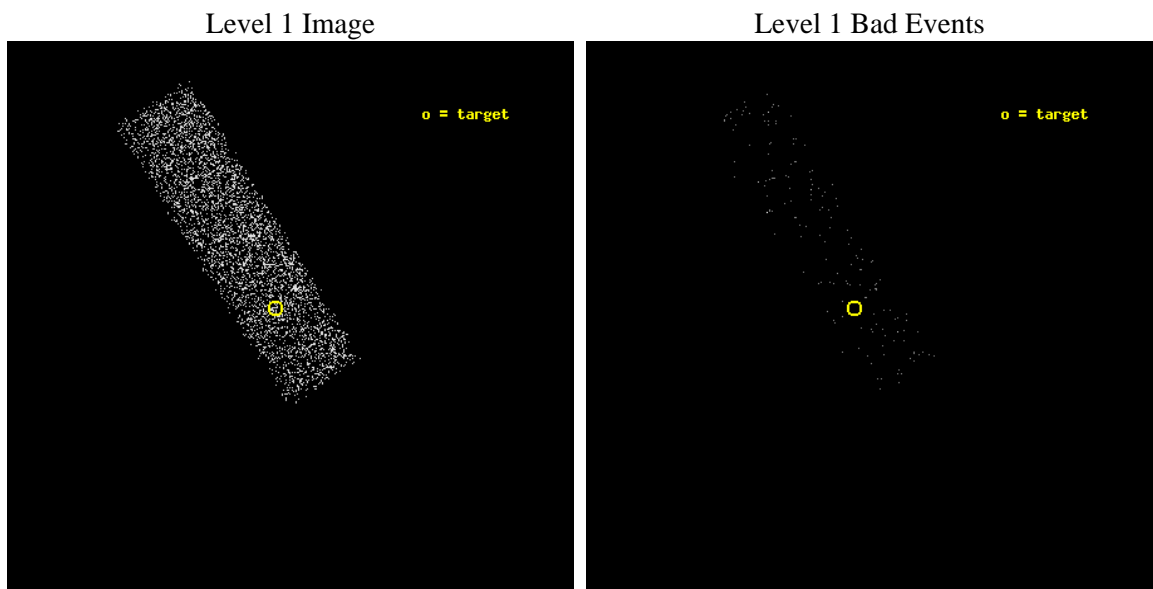
seq_num	700884	Sequence number
obs_id	4801	Observation id
title	Unveiling the engine powering OH Gigamaser sources through X-rays. A well-defined Chandra survey	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	IRAS FSC 01562+2528	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.760833	Observer's specified target RA [deg]
dec_targ	25.709917	Observer's specified target Dec [deg]
ra_nom	29.753764431972	Nominal RA [deg]
dec_nom	25.702737907076	Nominal Dec [deg]
roll_nom	237.86751660127	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4201.6000626087	Sum of GTIs [s]
livetime	3996.5757277739	Livetime [s]
ontime7	4201.6000626087	Sum of GTIs [s]
l2events	2542	Number of level 2 events



2 OBI

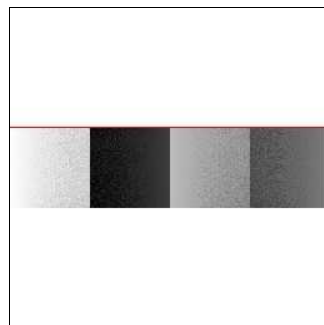
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4350.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4201.6000626087	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4201.6000626087	Sum of GTIs [s]
date	2012-11-07T12:45:49	Date and time of file creation	l1events	4747	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

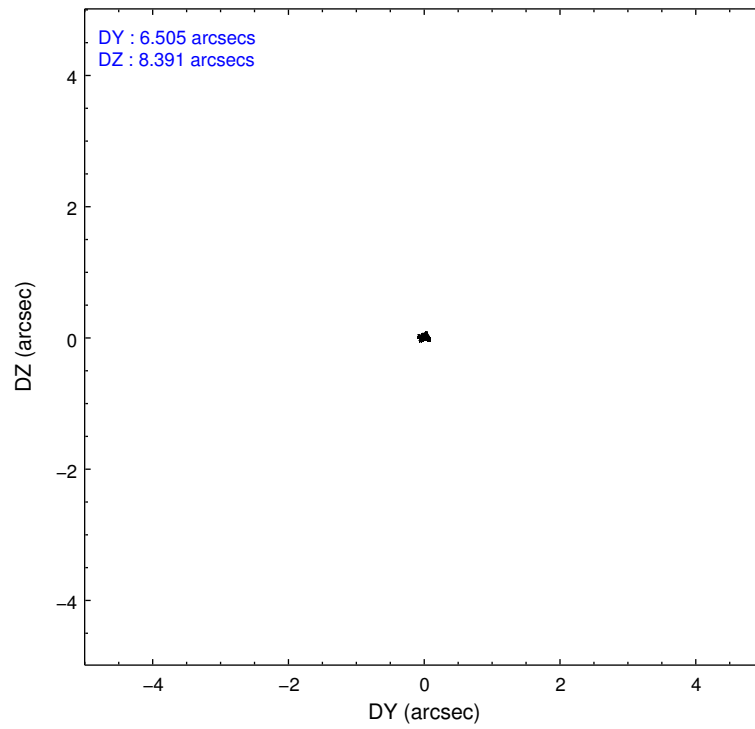
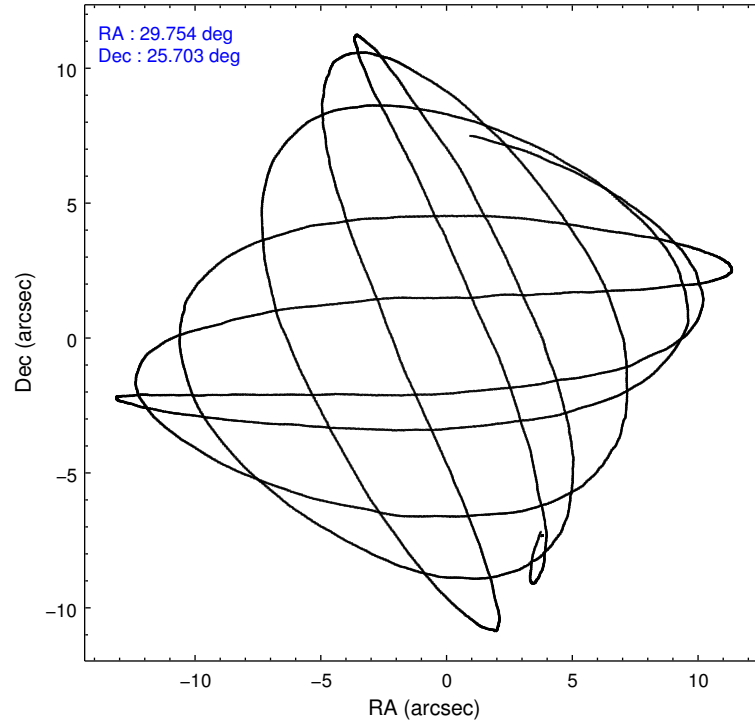
	ccd 7
level 1 events	4747
rejected events	2102
rejected %	44%

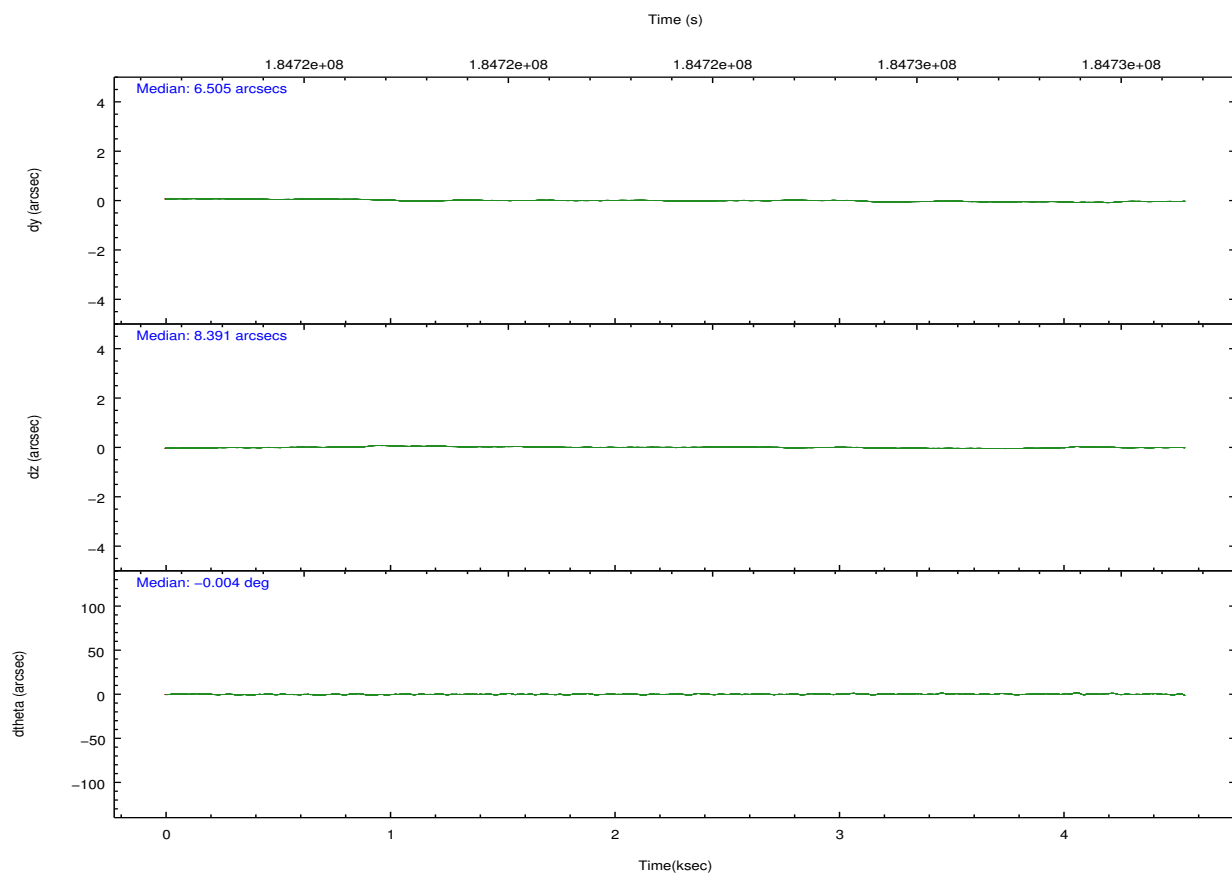
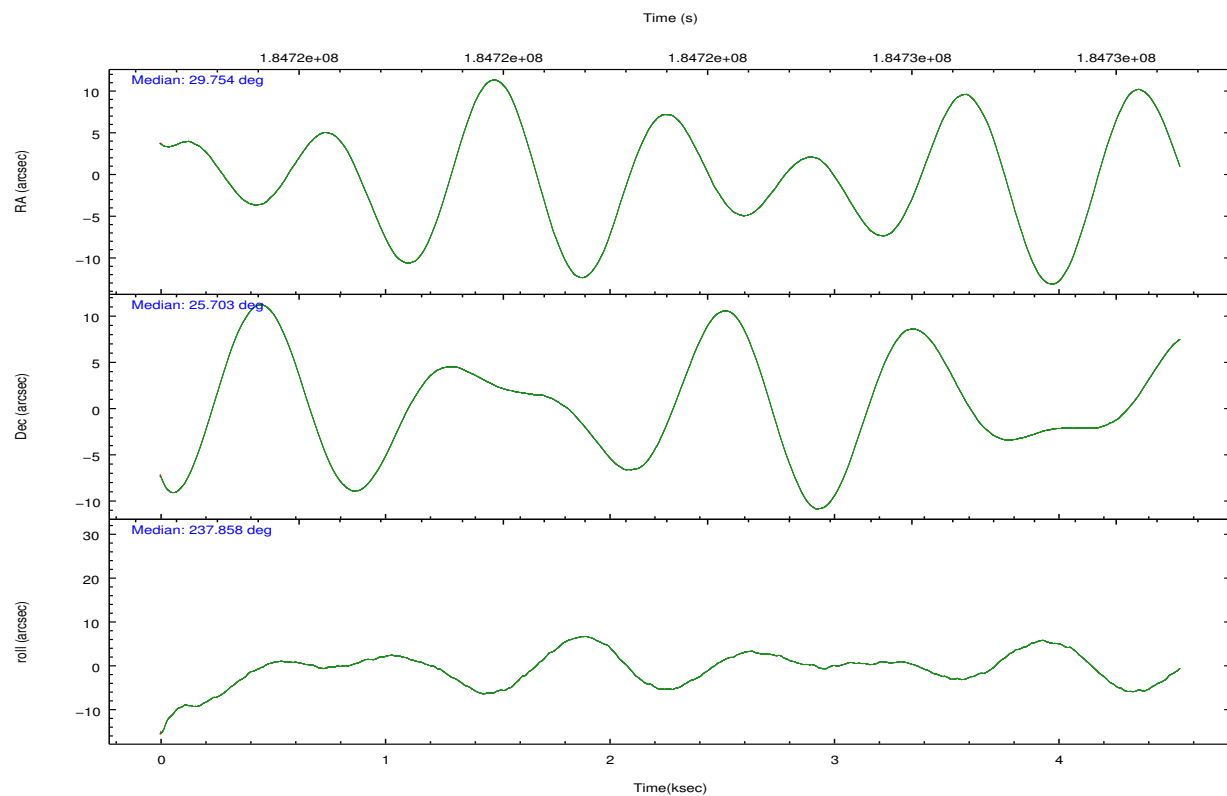
	ccd 7
grade 0 events	288
	6%
grade 1 events	7
	0%
grade 2 events	520
	10%
grade 3 events	320
	6%
grade 4 events	356
	7%
grade 5 events	490
	10%
grade 6 events	1162
	24%
grade 7 events	1604
	33%

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	29.754335	29.75376443197159	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	25.729977	25.70273790707606	Subarray start row	385	385
[deg] Pointing Roll	237.710652	237.8675166012663	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)	184722733.184000	184721847.69919			
Observation start date	2003-11-08T23:51:09	2003-11-08T23:37:27			
[s] Observation end time (MET)	184727083.184000	184727829.59944			
Observation end date	2003-11-09T01:03:39	2003-11-09T01:17:09			
Read mode	TIMED	TIMED			

2.3 Aspect



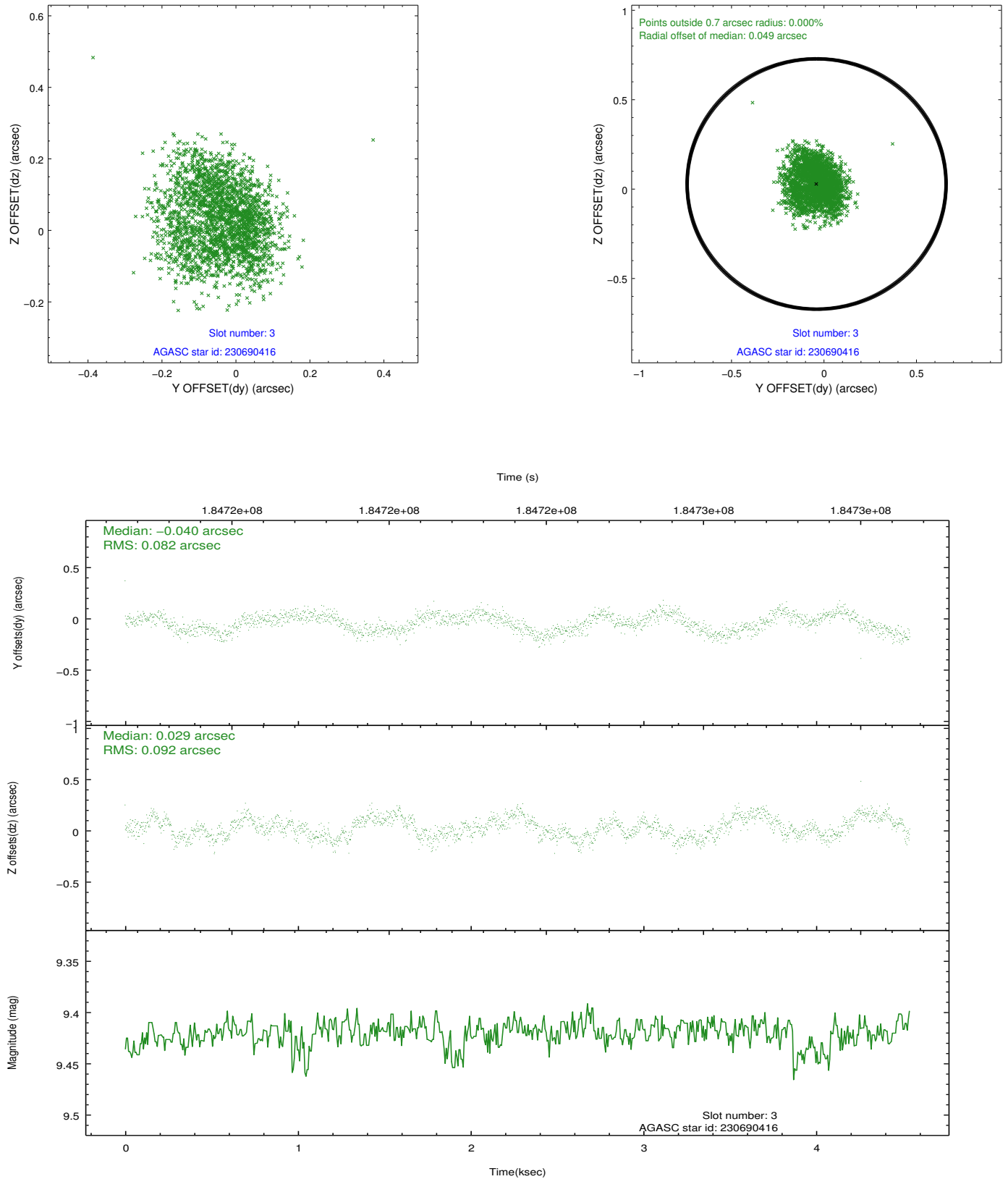


Slot Statistics

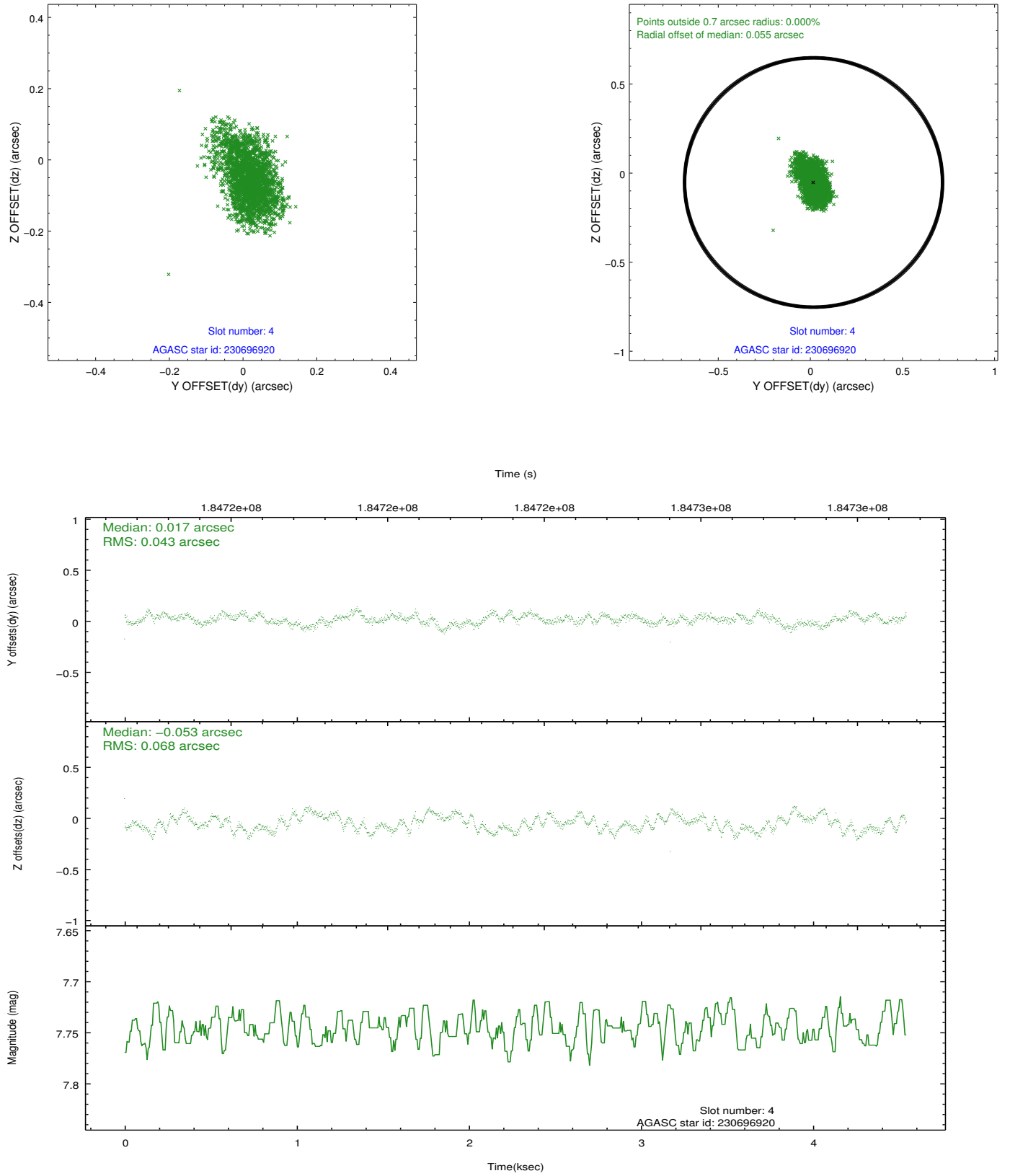
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1109	-0.032	-0.043	0.007	0.011	0.000000	0.000000	-759.29	-1729.63
1	FID	ACIS-S-4	7.20	1109	0.065	0.027	0.005	0.011	0.000000	0.000000	2153.49	177.50
2	FID	ACIS-S-5	7.23	1109	-0.064	0.025	0.007	0.011	0.000000	0.000000	-1810.40	172.75
3	GUIDE	230690416	9.42	2217	-0.040	0.029	0.134	0.203	29.305303	25.850099	410.36	-1462.45
4	GUIDE	230696920	7.75	2217	0.017	-0.053	0.086	0.139	30.102792	25.052080	1455.14	2262.92
5	GUIDE	230698144	8.65	2217	0.048	-0.073	0.092	0.137	29.598780	25.789873	88.33	-541.08
6	GUIDE	230703472	9.38	2216	0.017	0.030	0.123	0.196	28.952770	25.417530	2337.48	-1606.92
7	GUIDE	230695440	9.51	1107	-0.063	0.144	0.281	0.444	29.928432	25.487737	437.21	942.26

2.4 Star Slots

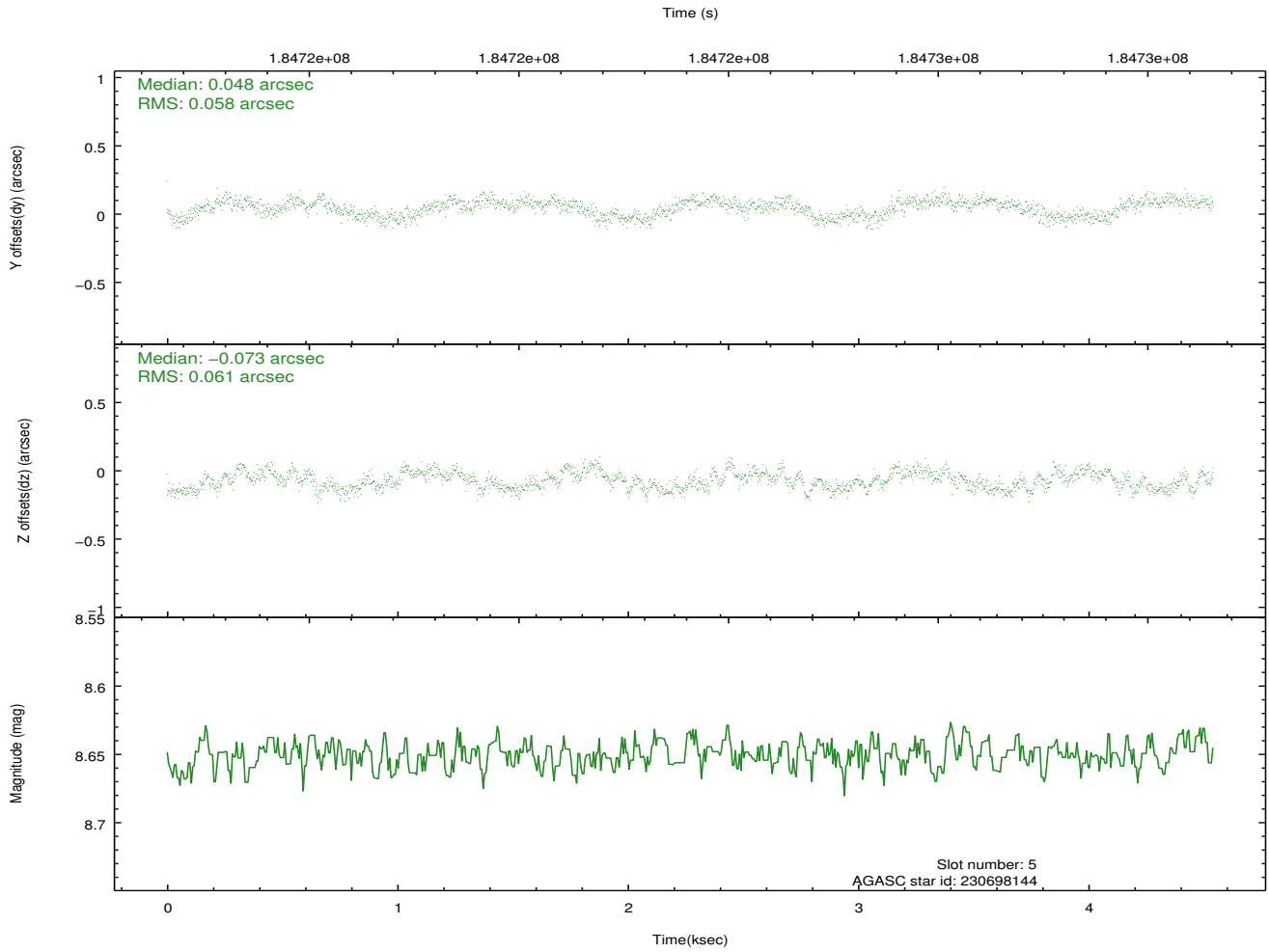
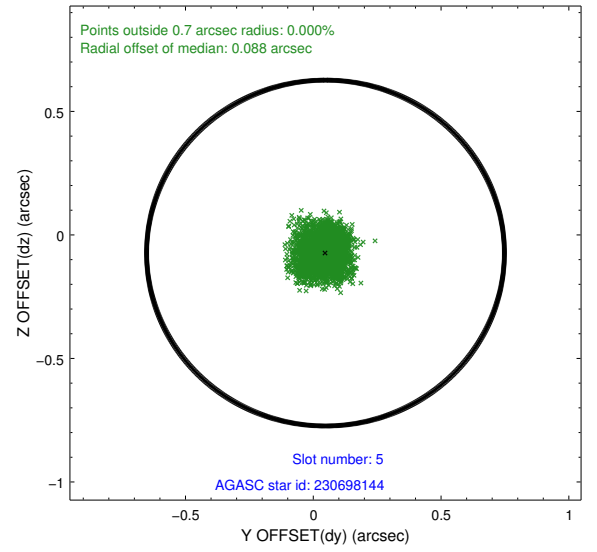
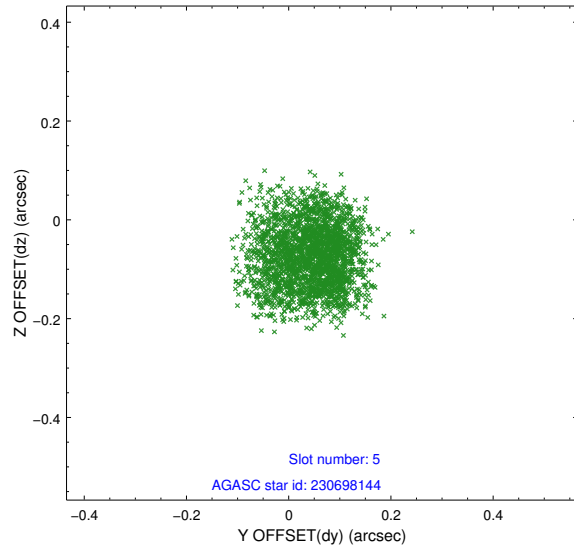
2.4.1 Slot 3



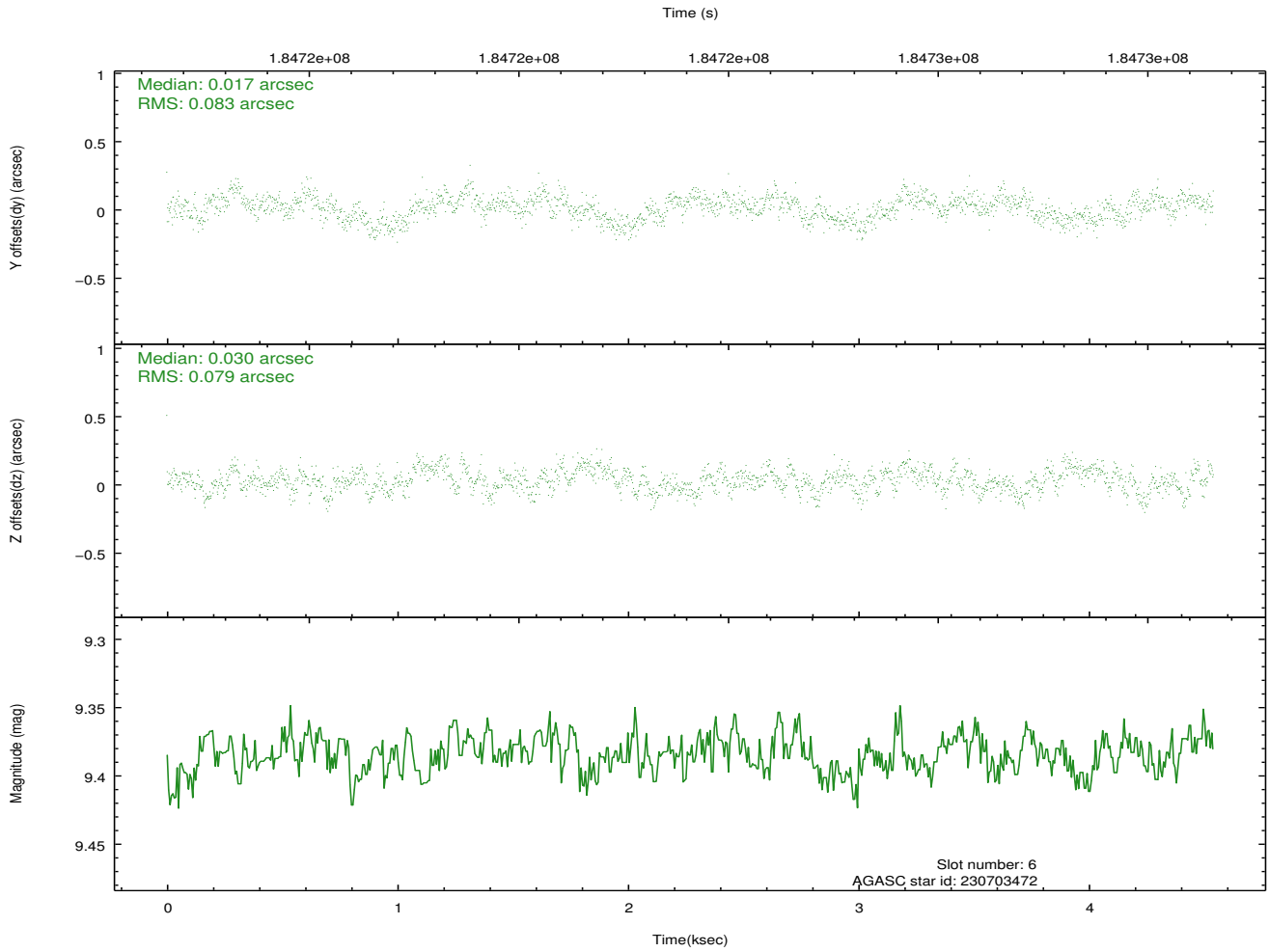
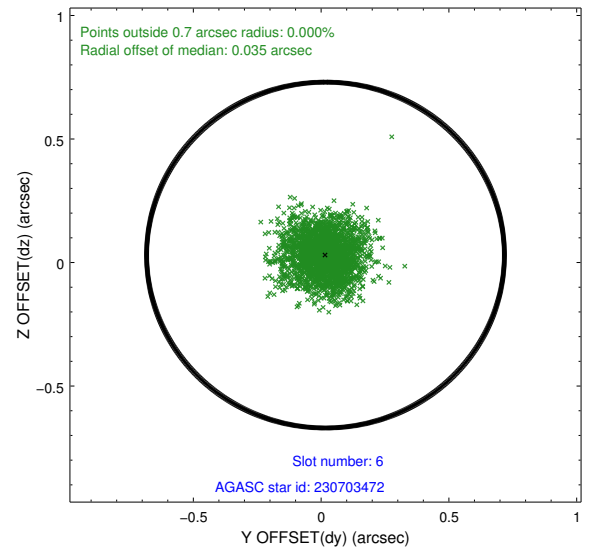
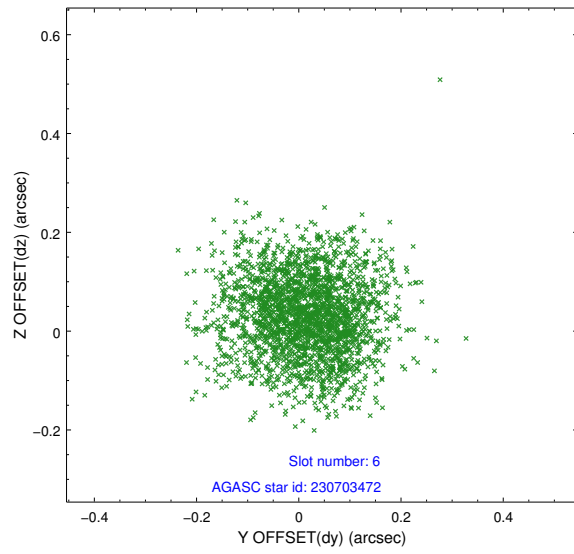
2.4.2 Slot 4



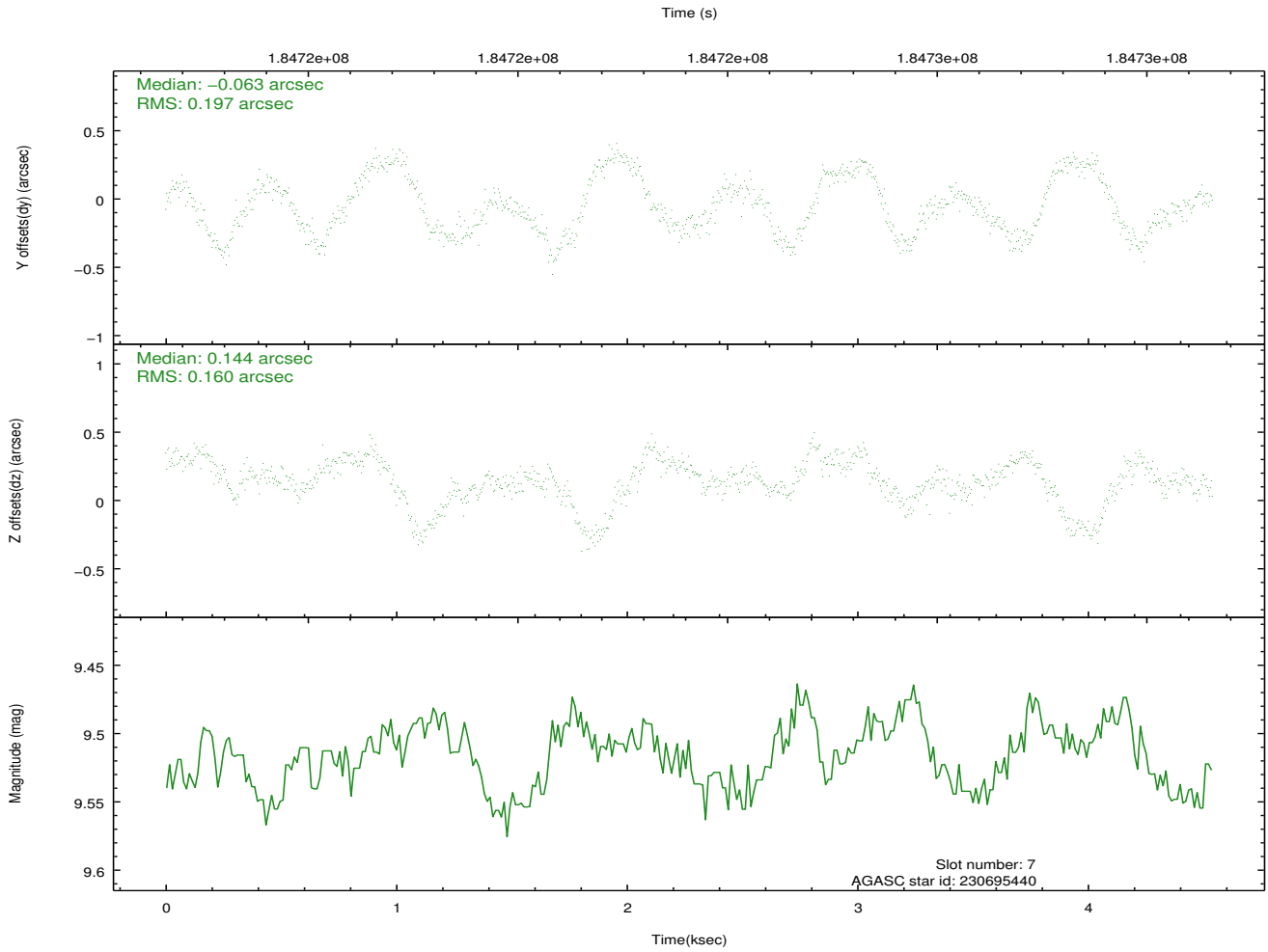
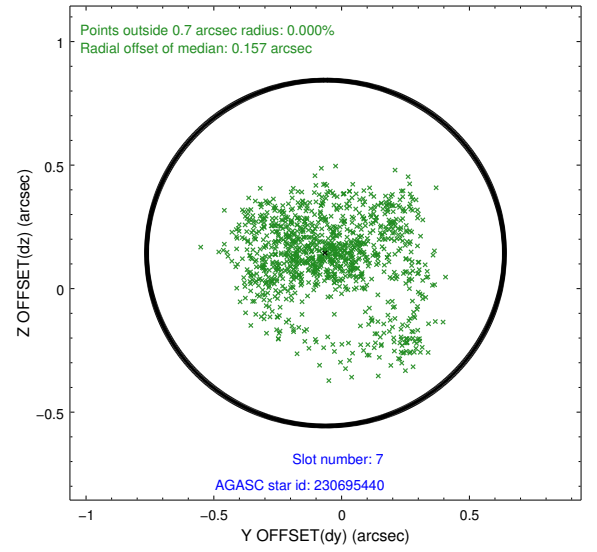
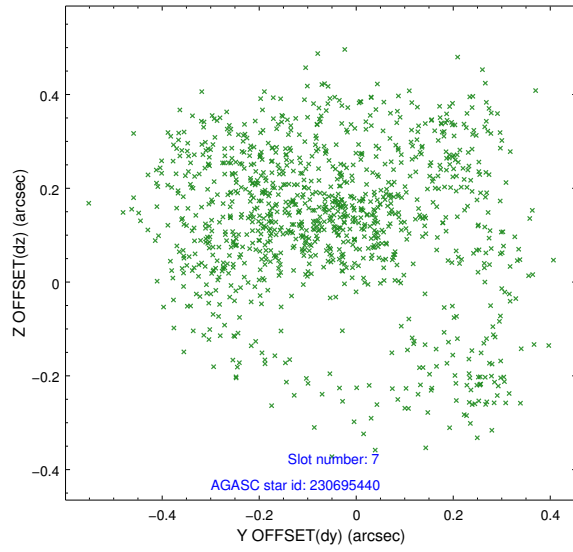
2.4.3 Slot 5



2.4.4 Slot 6

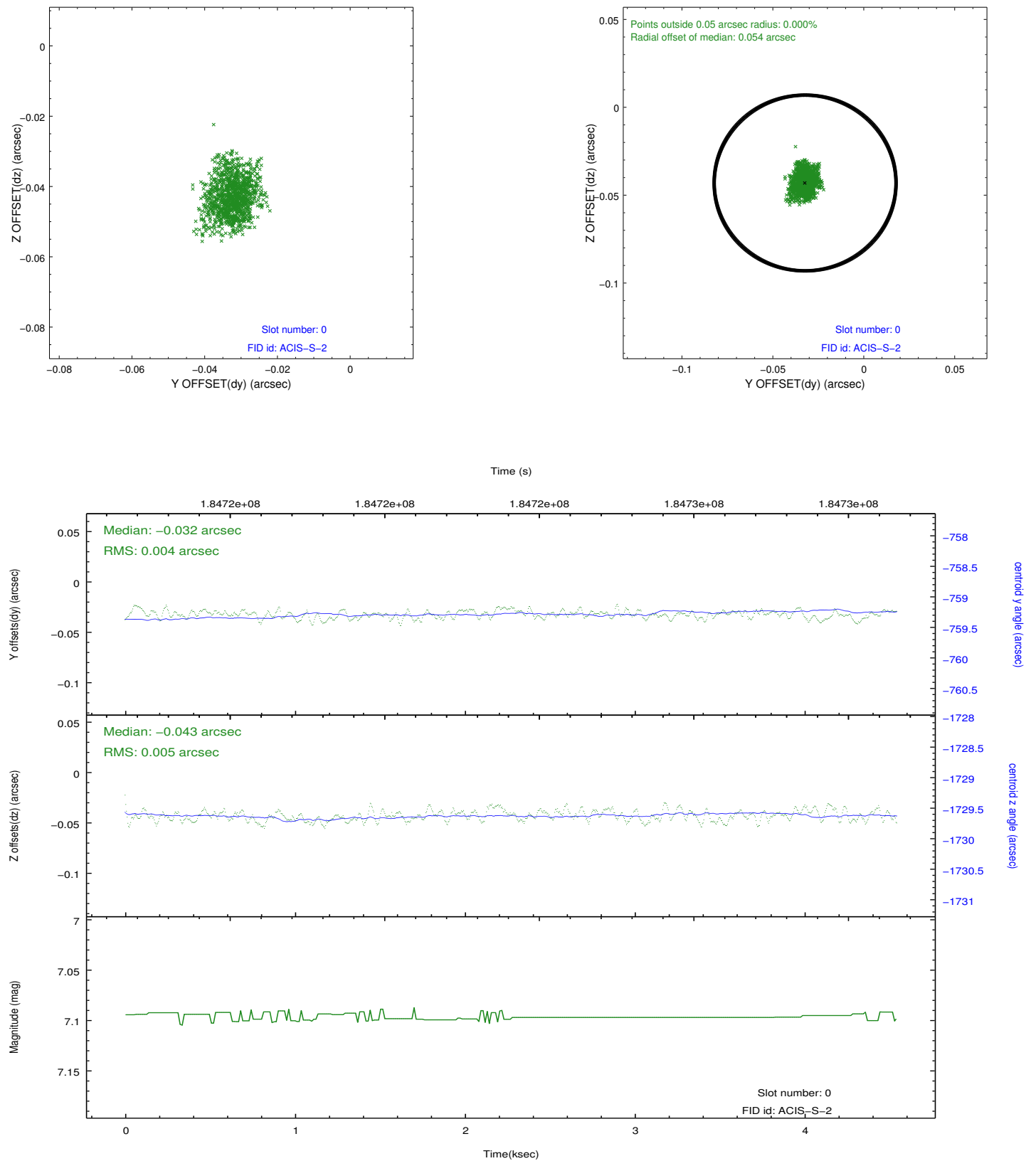


2.4.5 Slot 7

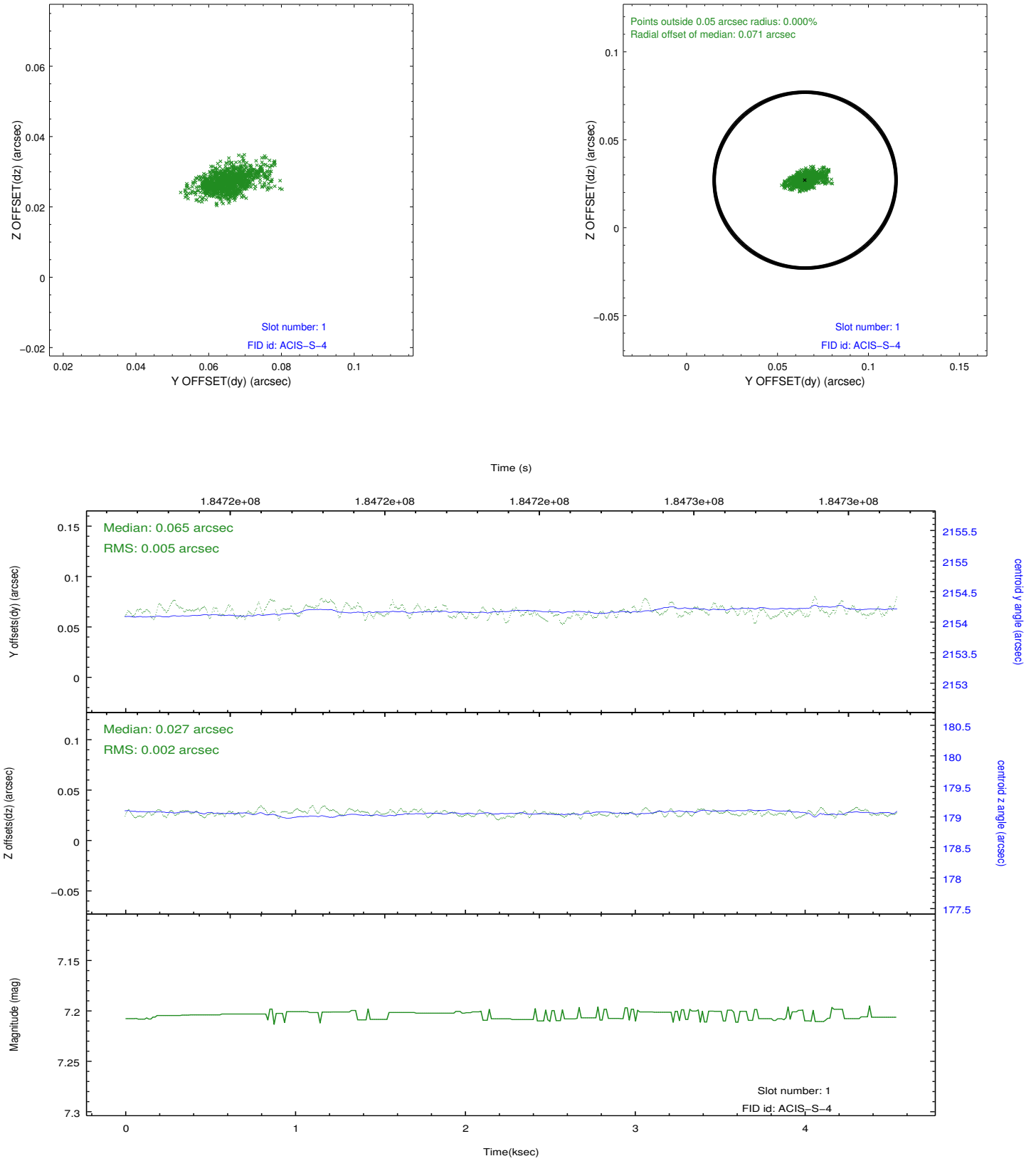


2.5 FID Slots

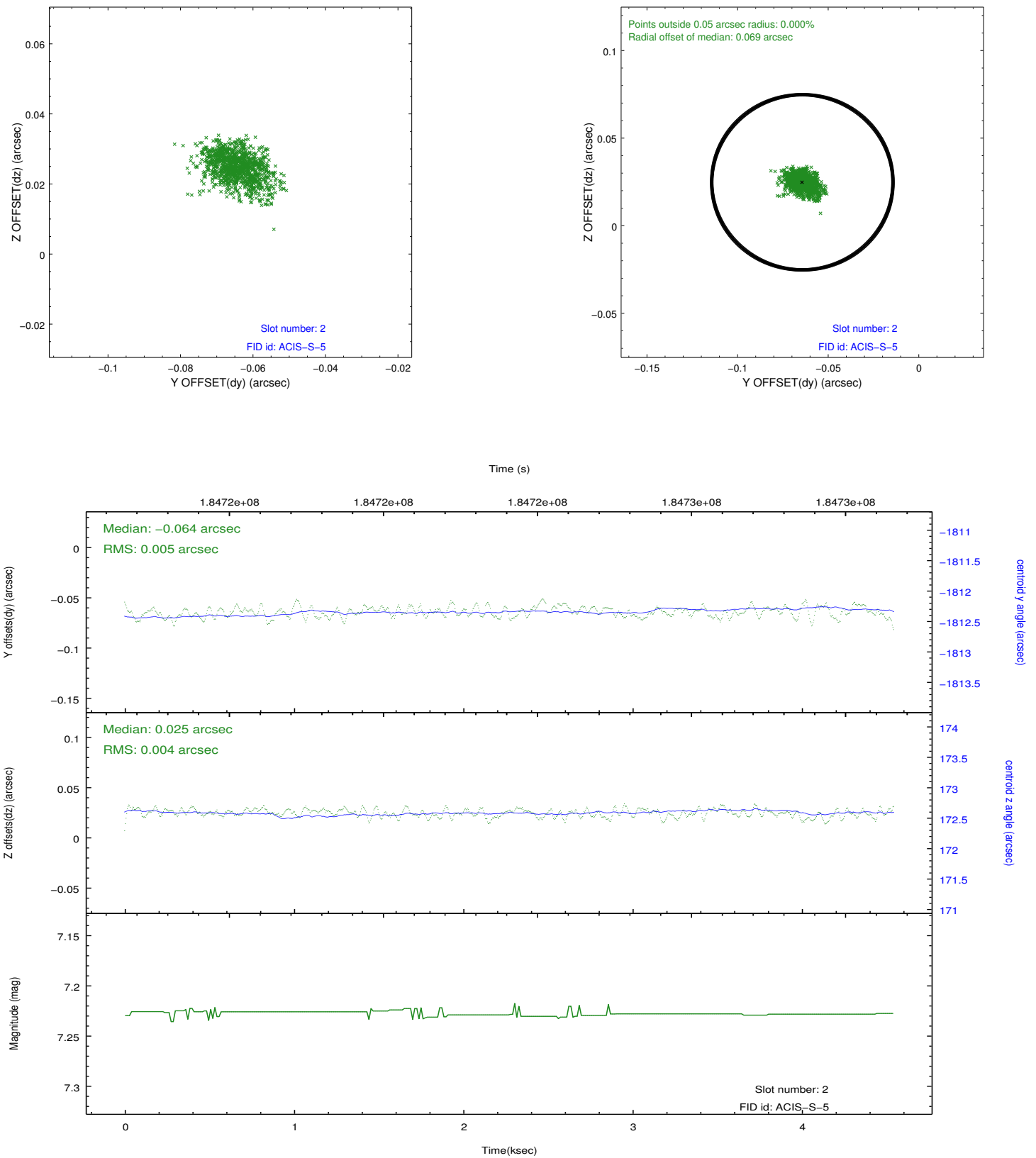
2.5.1 Slot 0



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)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.202

A.2 Comments