

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1886 - L2 Version 4
Chandra X-Ray Center

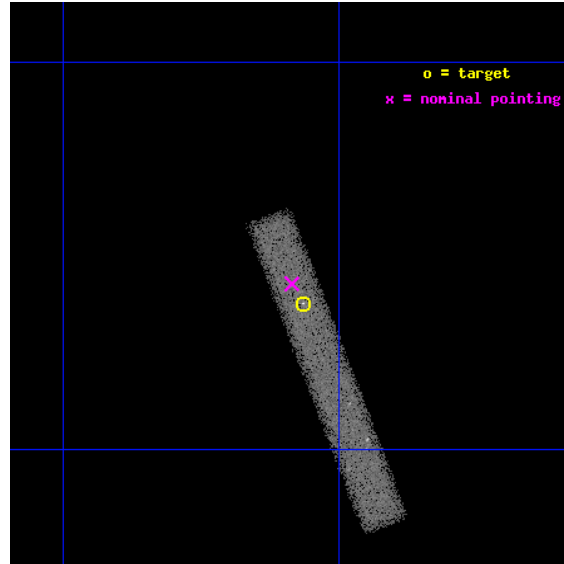
L2 Processing Date : Sep 28 2012

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1 Front

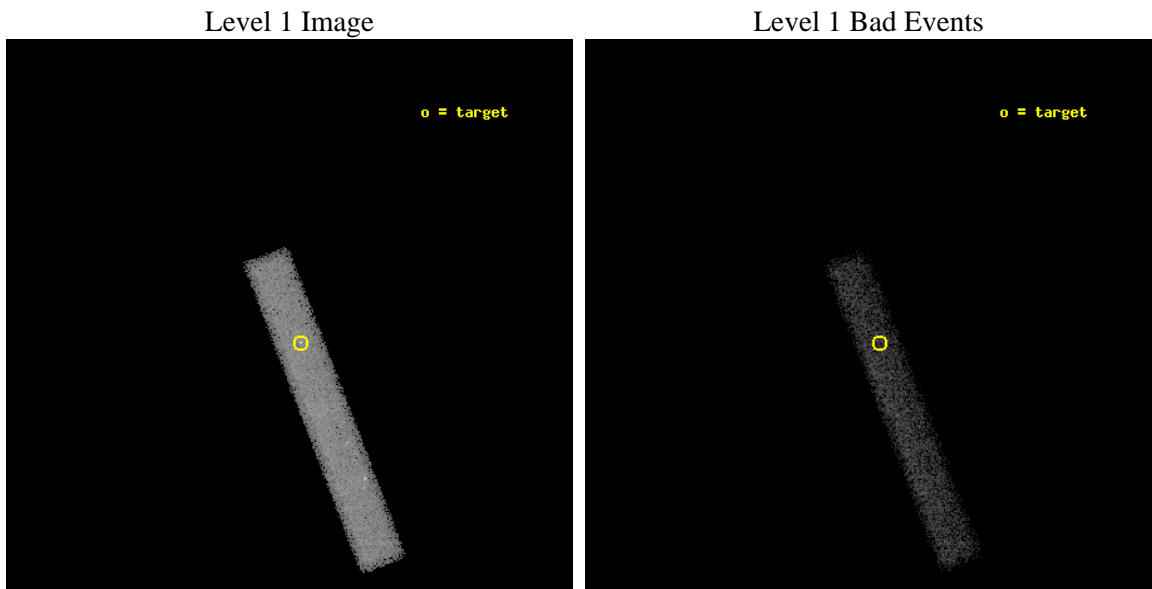
seq_num	200114	Sequence number
obs_id	1886	Observation id
title	WHEN THE DYNAMO SPATTERS:THE CORONA OF A AN EXTREMELY INACTIVE (MAUNDER MINIMUM?) STAR	Proposal title
observer	Dr. Steven Saar	Principal investigator
object	TAU CETI	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	26.016183	Observer's specified target RA [deg]
dec_targ	-15.937069	Observer's specified target Dec [deg]
ra_nom	26.021451189022	Nominal RA [deg]
dec_nom	-15.928740099035	Nominal Dec [deg]
roll_nom	68.877331156036	Nominal Roll [deg]
revision	4	Processing version of data
ontime	50158.400747418	Sum of GTIs [s]
liveltime	45491.021900434	Livetime [s]
ontime7	50158.400747418	Sum of GTIs [s]
l2events	25889	Number of level 2 events



2 OBI

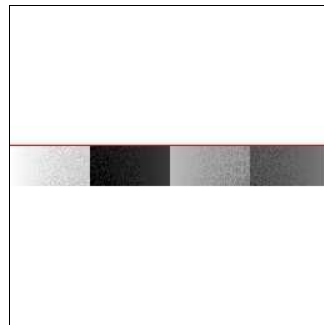
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	50158.400747418	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	50158.400747418	Sum of GTIs [s]
date	2012-09-28T17:06:17	Date and time of file creation	l1events	57944	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

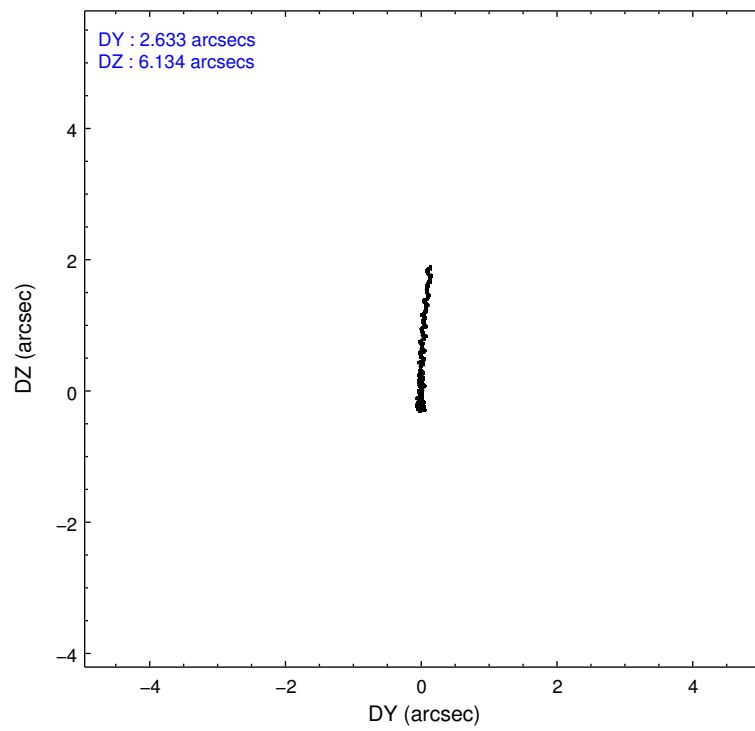
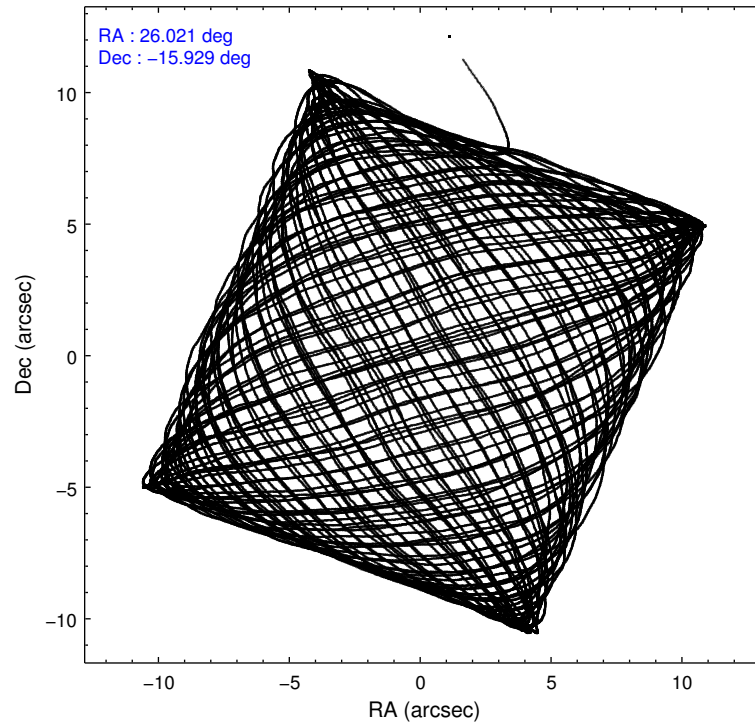
	ccd 7
level 1 events	57944
rejected events	30921
rejected %	53%

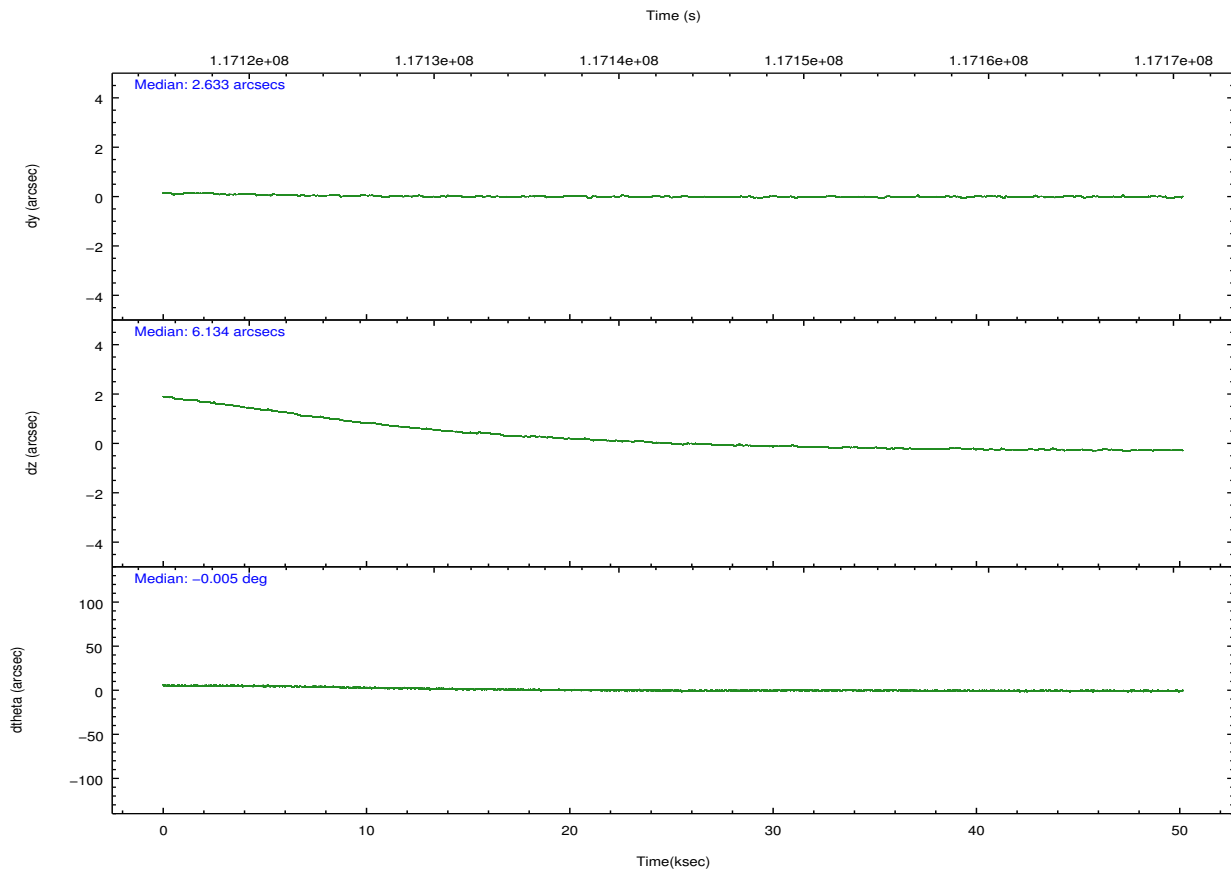
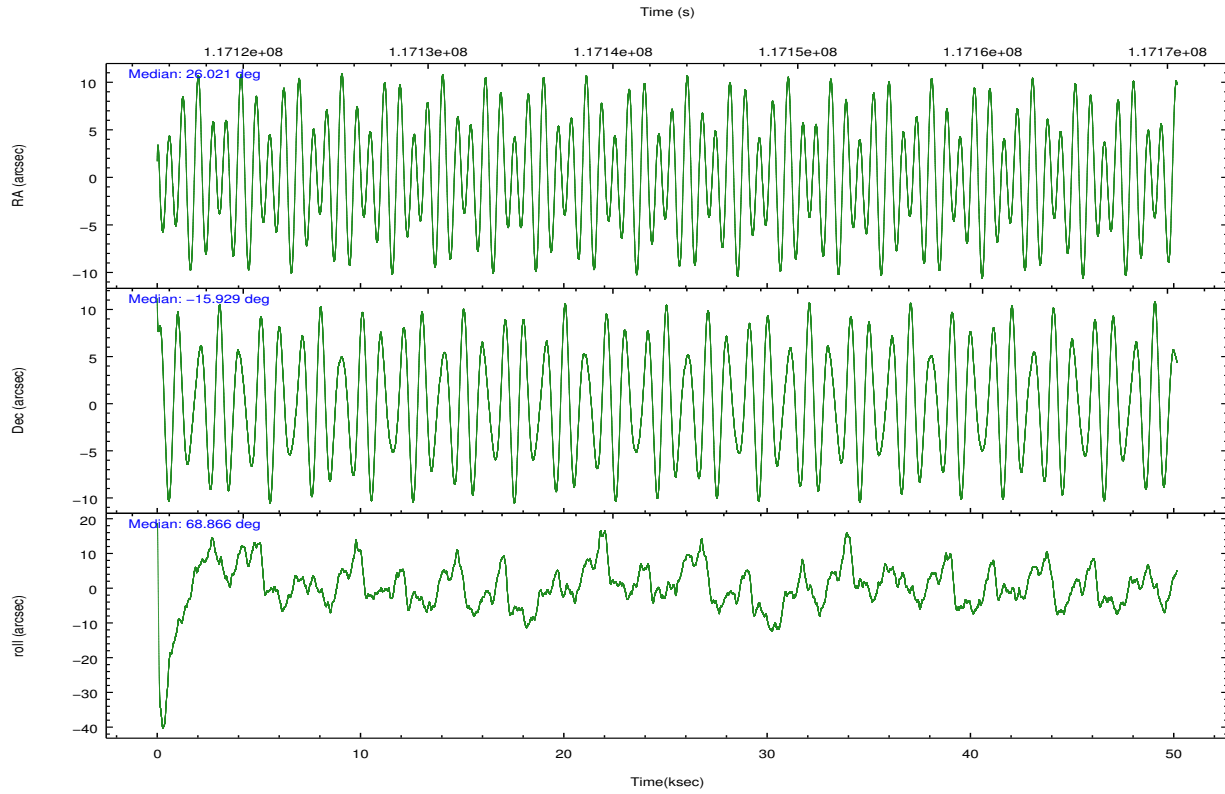
	ccd 7
grade 0 events	3388
	5%
grade 1 events	51
	0%
grade 2 events	5238
	9%
grade 3 events	3603
	6%
grade 4 events	3459
	5%
grade 5 events	5265
	9%
grade 6 events	11873
	20%
grade 7 events	25067
	43%

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	26.026144	26.02145118902193	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-15.955650	-15.92874009903537	Subarray start row	449	449
[deg] Pointing Roll	68.721981	68.87733115603604	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)	117118005.184000	117116818.31105			
Observation start date	2001-09-17T12:45:41	2001-09-17T12:26:58			
[s] Observation end time (MET)	117168005.184000	117168575.6881			
Observation end date	2001-09-18T02:39:01	2001-09-18T02:49:35			
Read mode	TIMED	TIMED			

2.3 Aspect



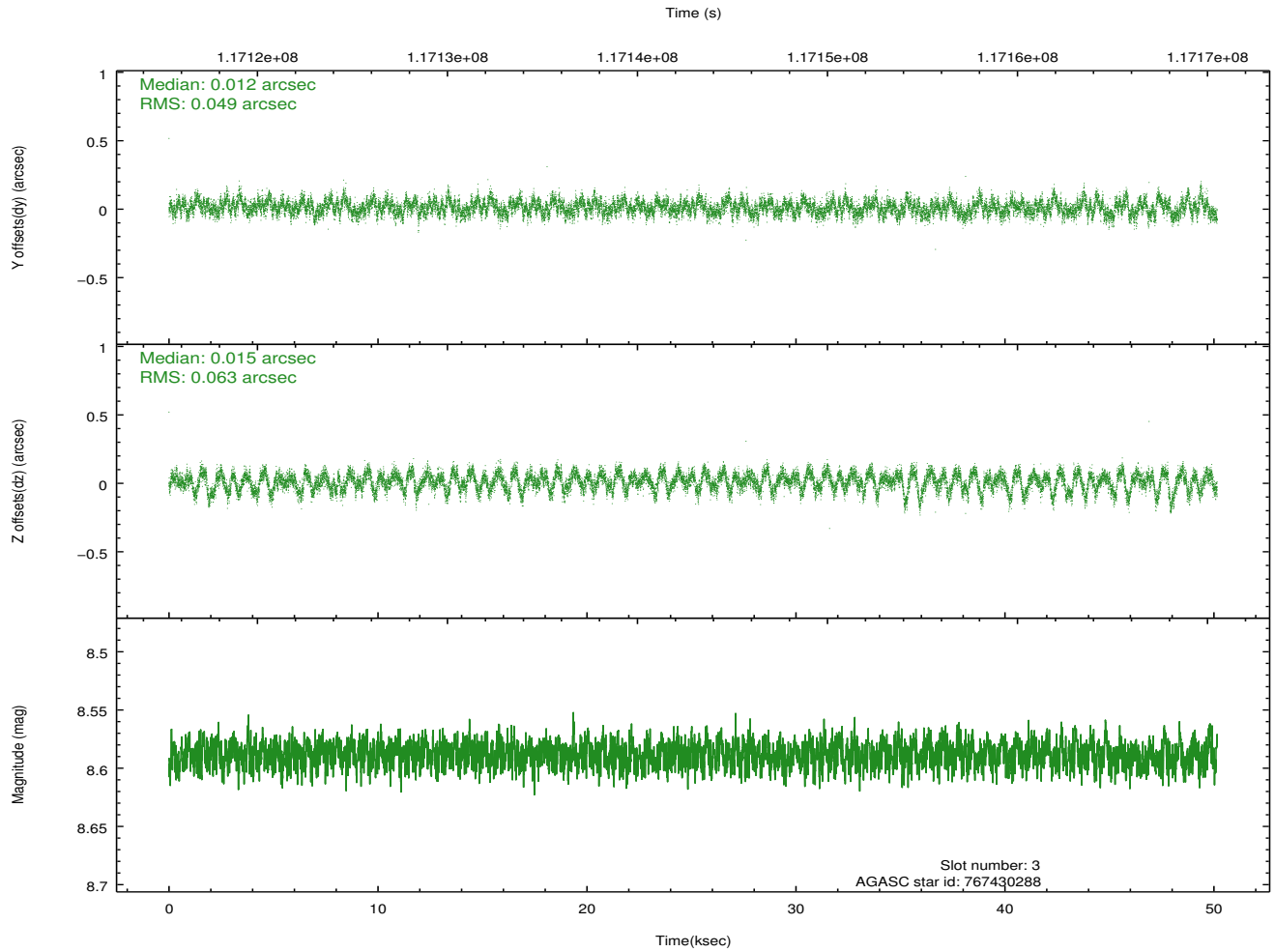
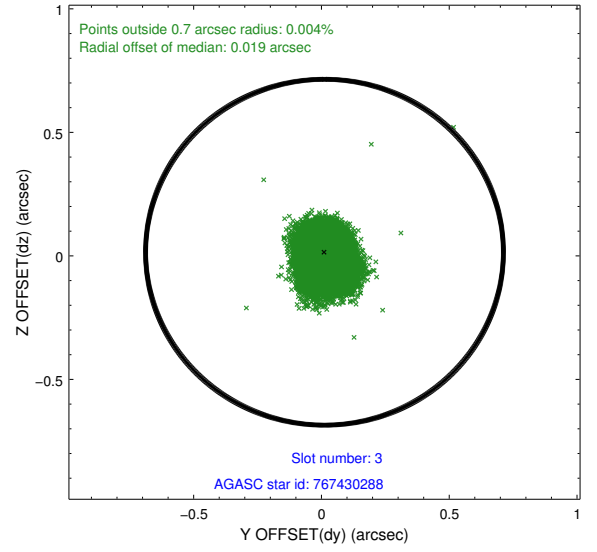
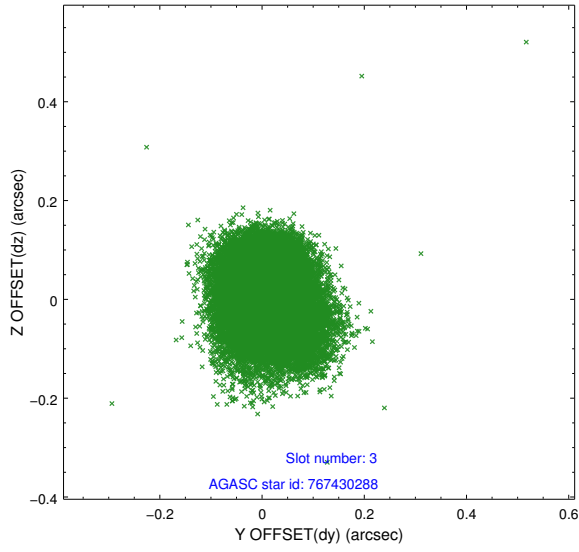


Slot Statistics

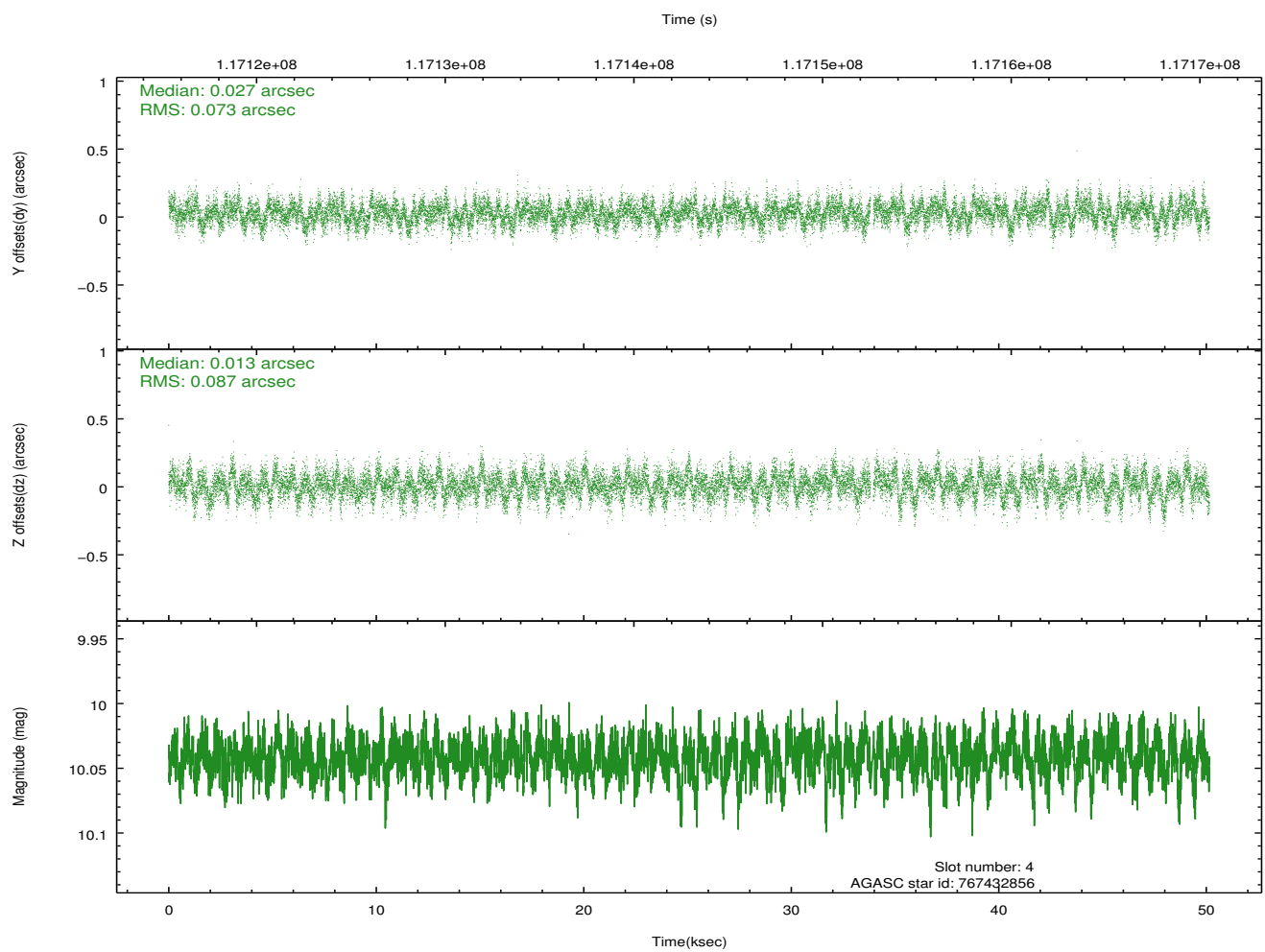
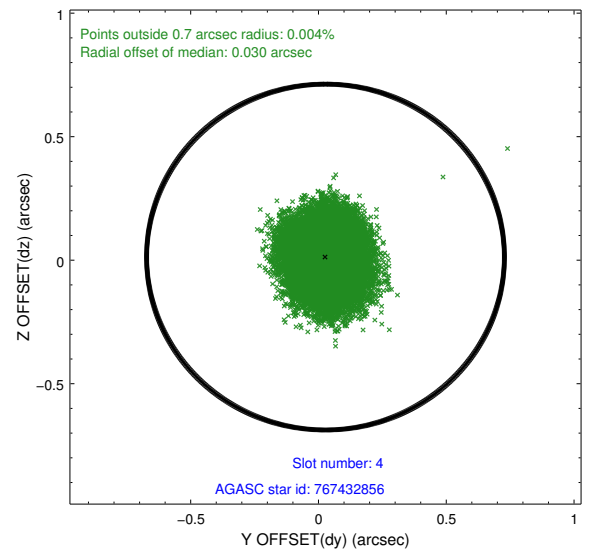
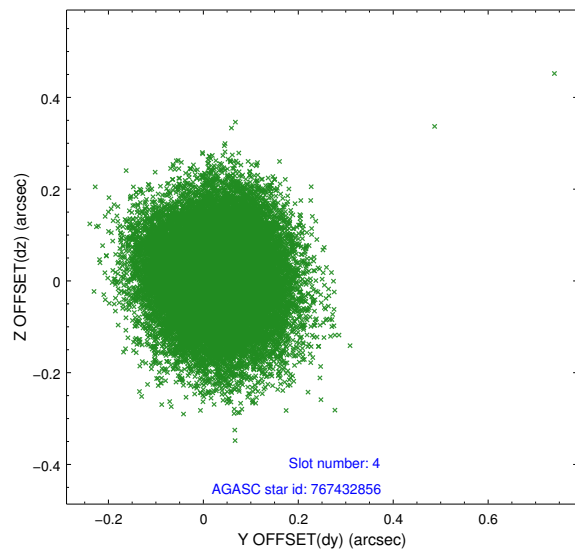
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	12234	-0.030	0.002	0.013	0.028	0.000000	0.000000	-755.27	-1727.58
1	FID	ACIS-S-4	7.20	12234	-0.034	0.013	0.012	0.020	0.000000	0.000000	2157.97	180.99
2	FID	ACIS-S-5	7.24	12234	0.031	-0.008	0.017	0.033	0.000000	0.000000	-1808.11	174.55
3	GUIDE	767430288	8.59	24464	0.012	0.015	0.084	0.138	26.318206	-15.895676	567.48	-864.82
4	GUIDE	767432856	10.04	24376	0.027	0.013	0.121	0.197	26.332360	-16.482695	-1385.01	-1674.40
5	GUIDE	767438112	10.48	24373	-0.038	0.178	0.154	0.256	26.615444	-16.303718	-431.15	-2353.37
6	GUIDE	767429560	10.63	23965	0.005	-0.214	0.207	0.366	25.378852	-15.881113	-567.00	2183.96
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

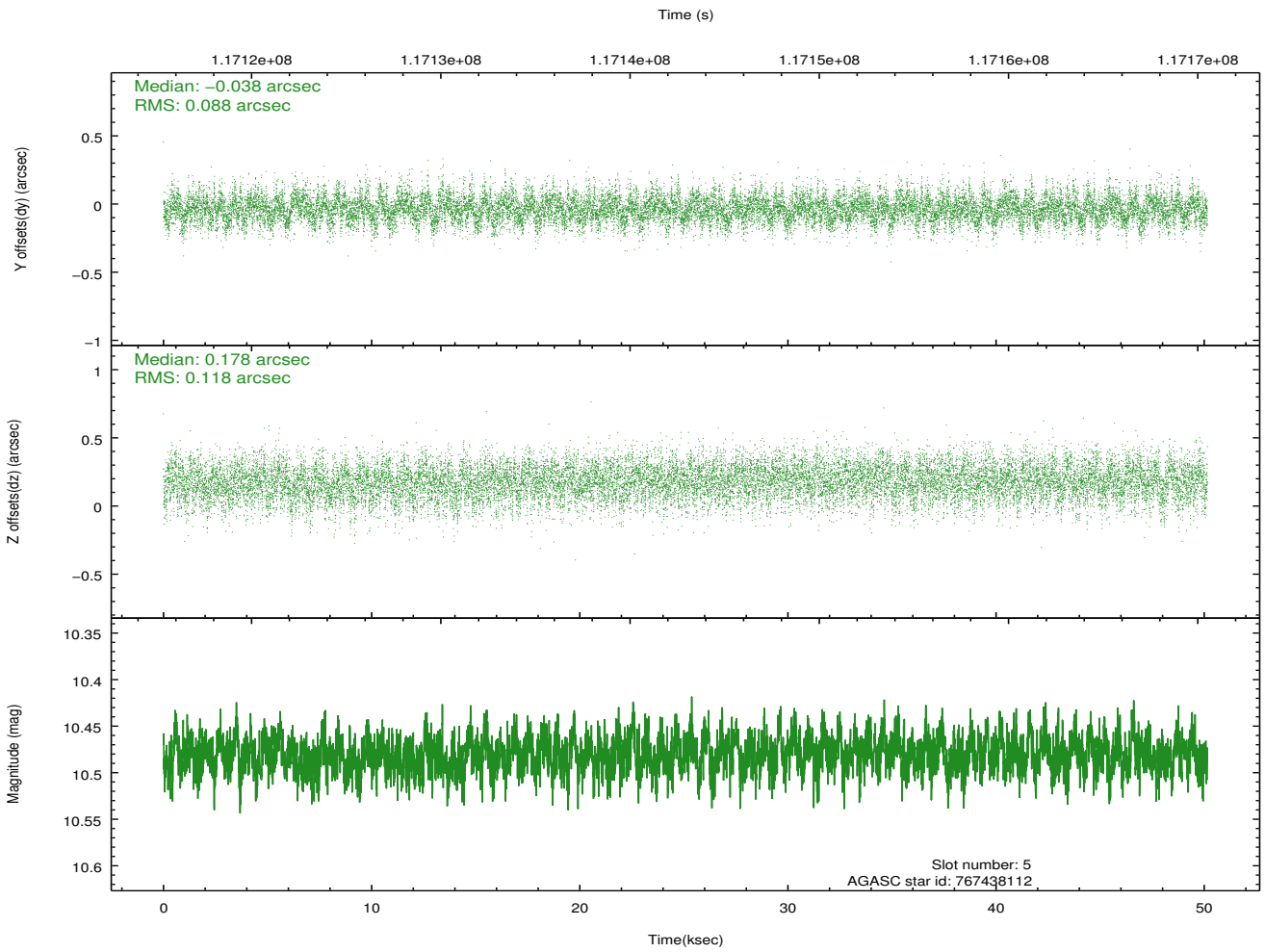
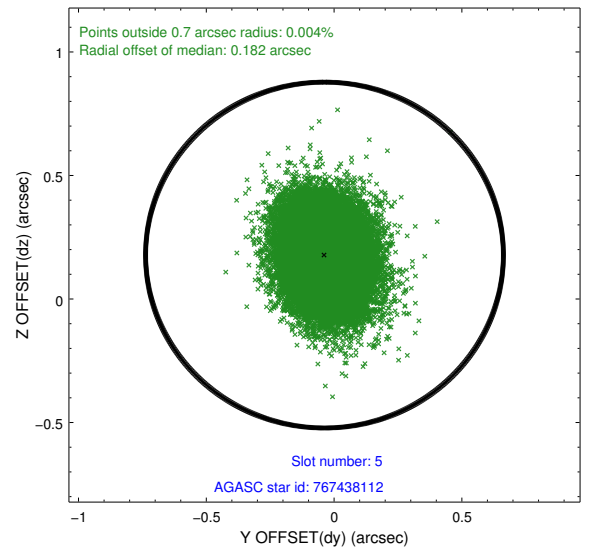
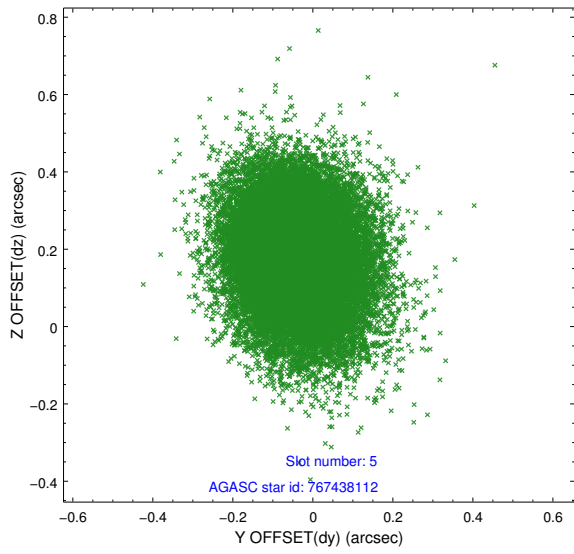
2.4.1 Slot 3



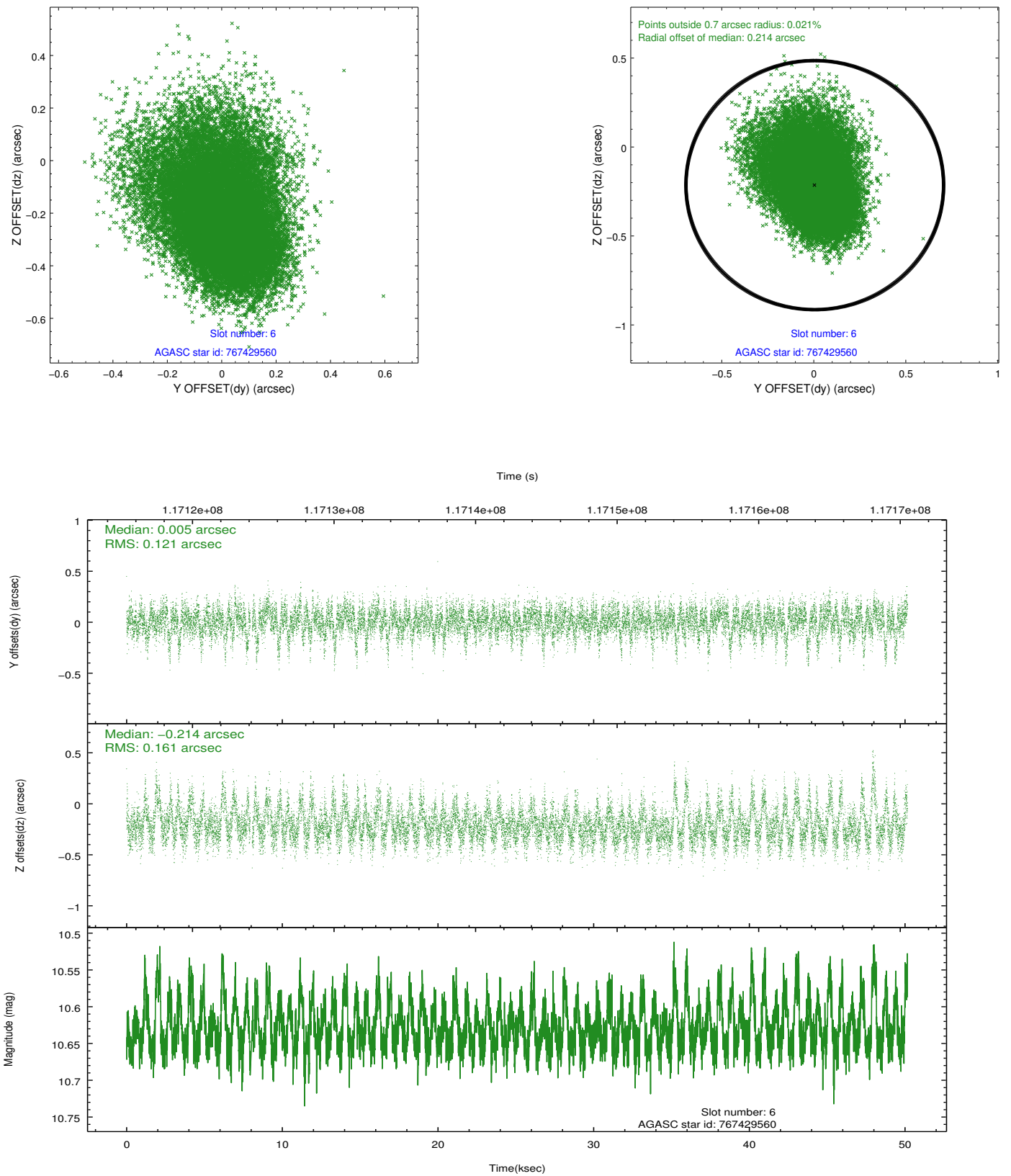
2.4.2 Slot 4



2.4.3 Slot 5

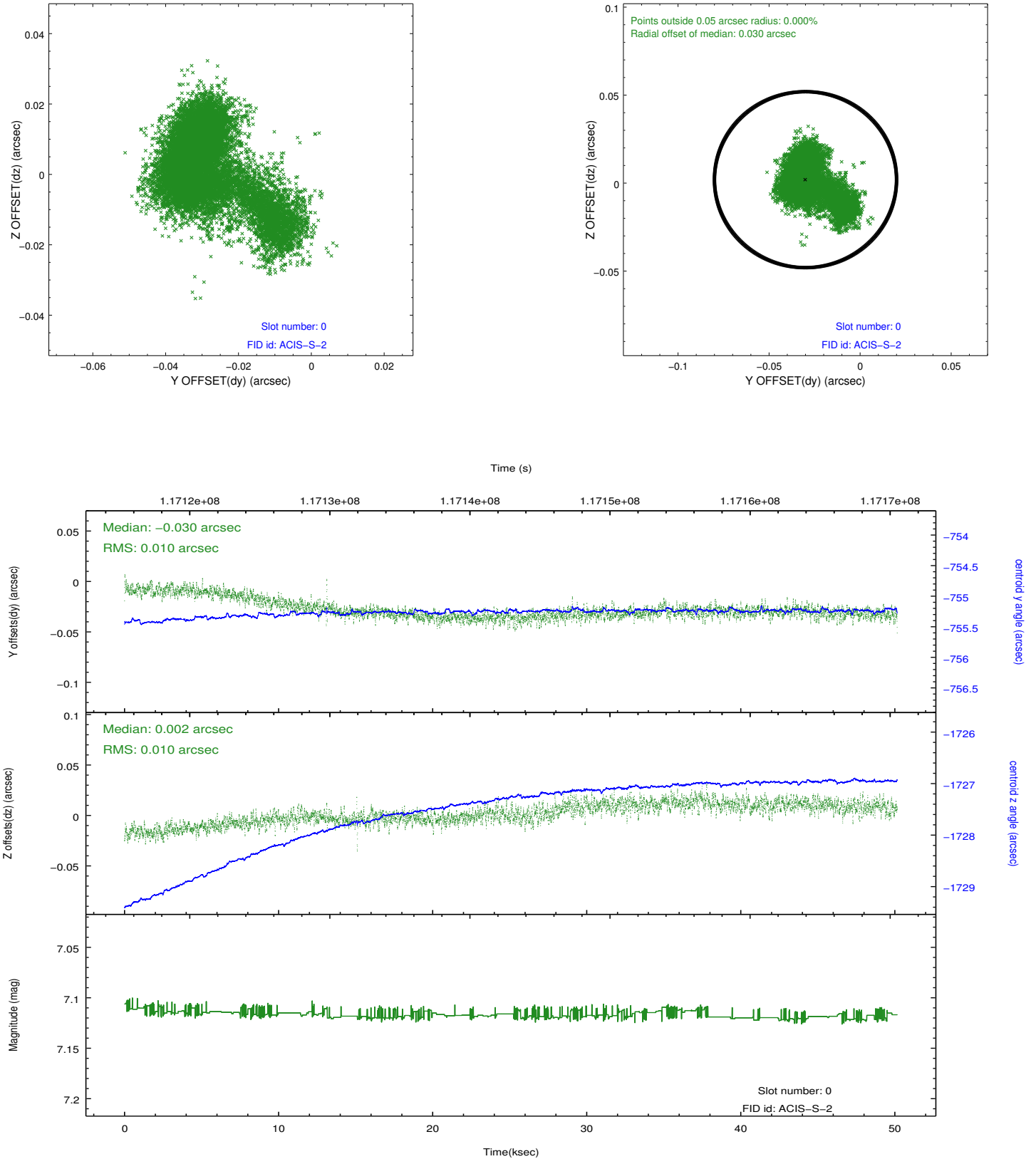


2.4.4 Slot 6

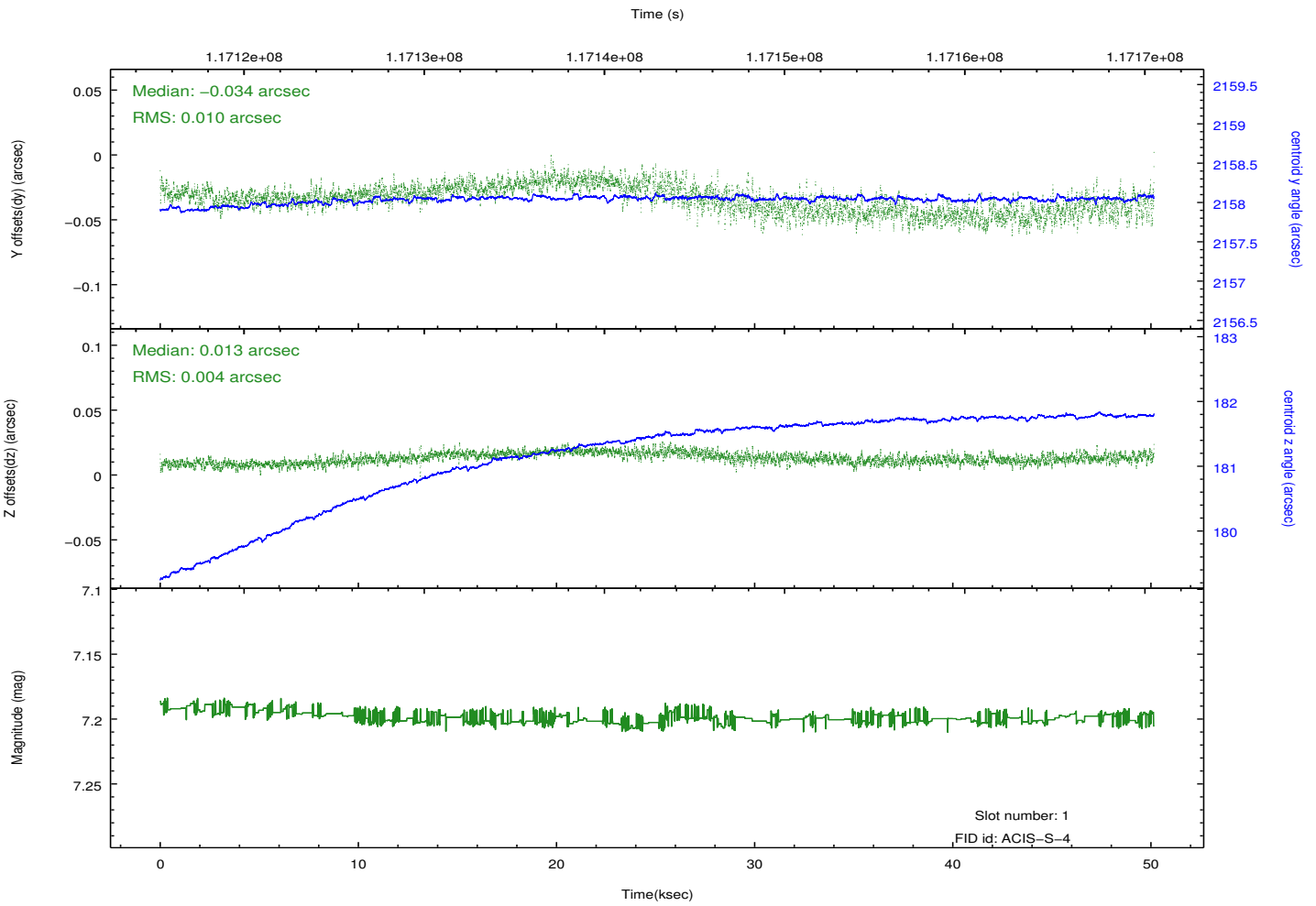
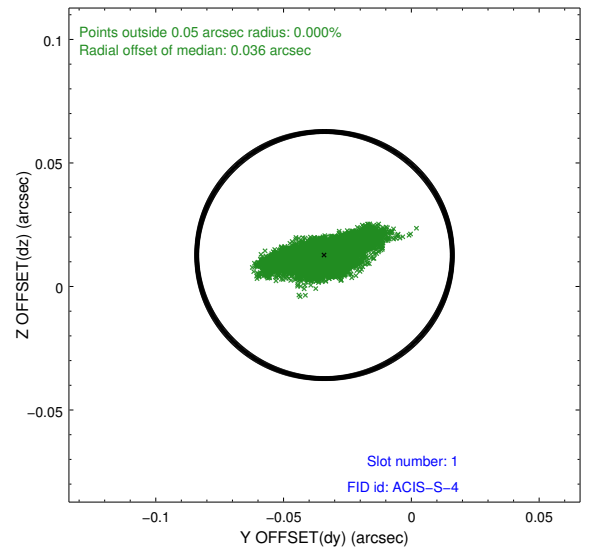
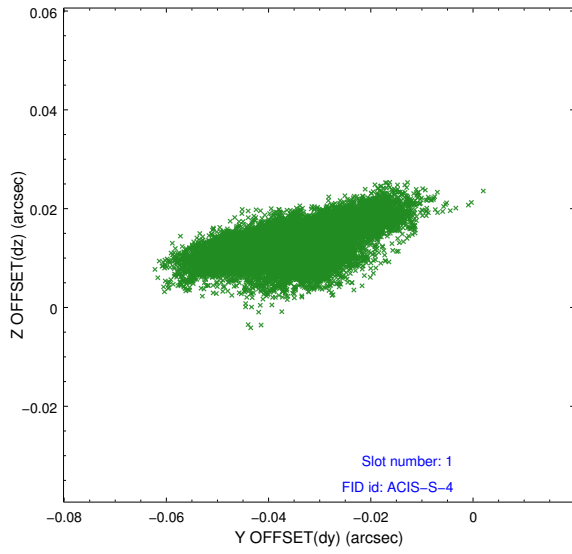


2.5 FID Slots

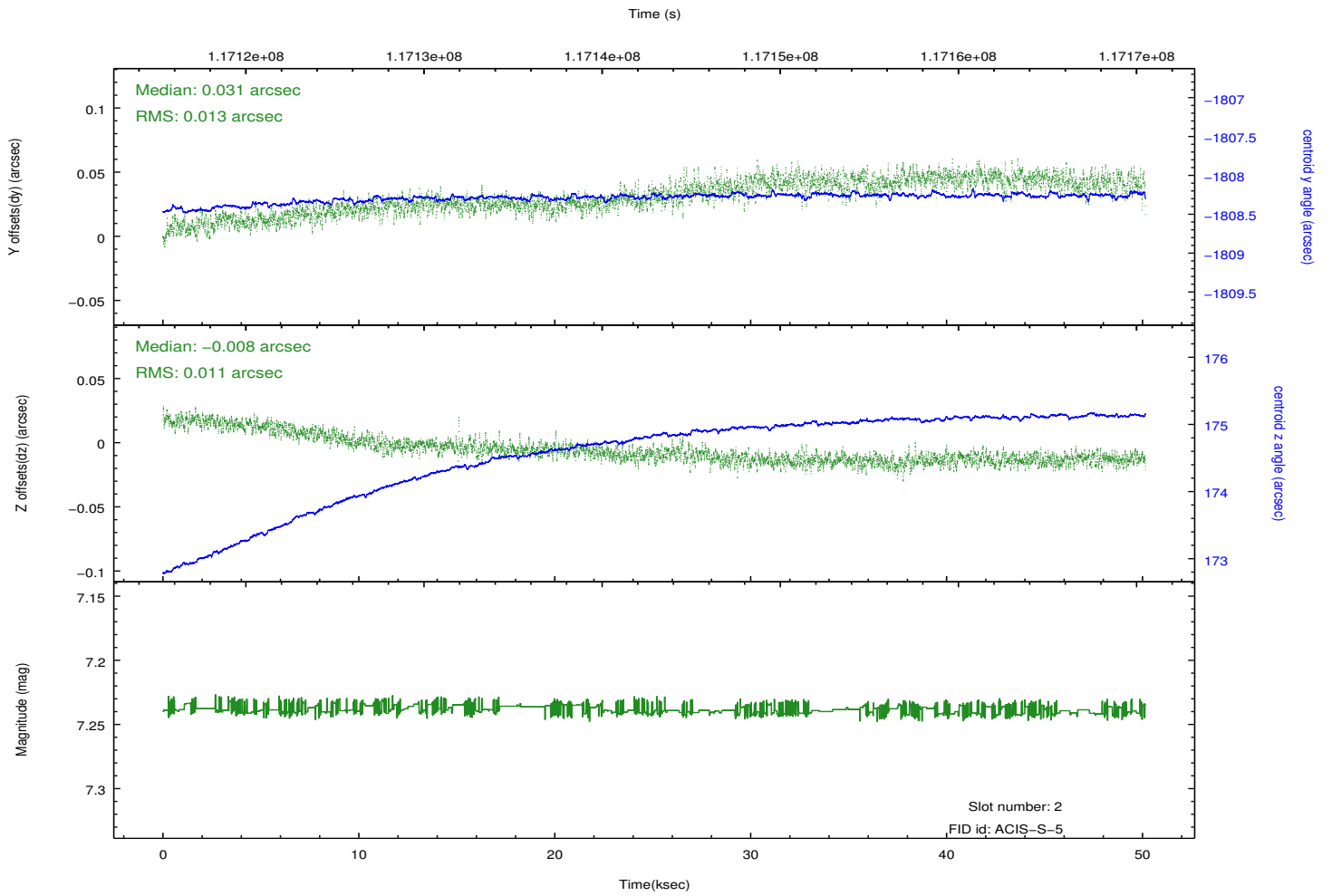
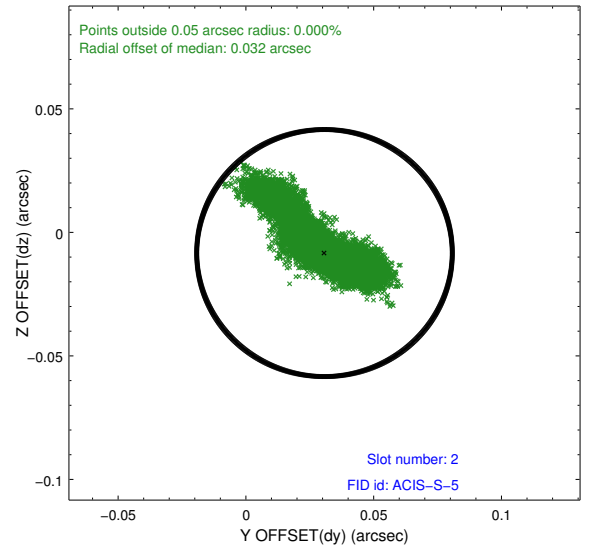
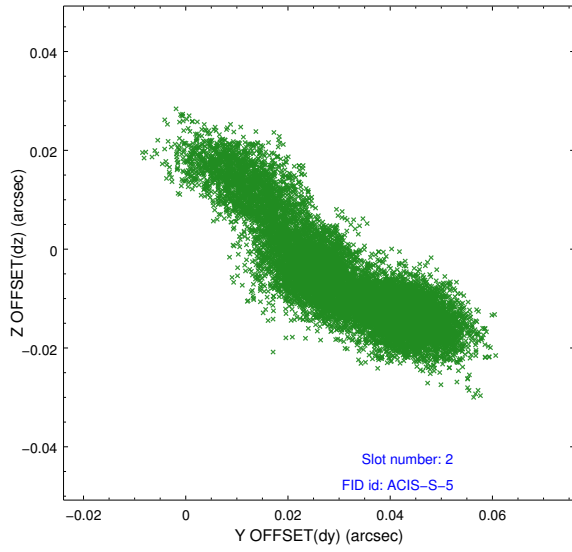
2.5.1 Slot 0



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)	2012.09.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.15

A.2 Comments

The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.