

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7424 - L2 Version 2
Chandra X-Ray Center

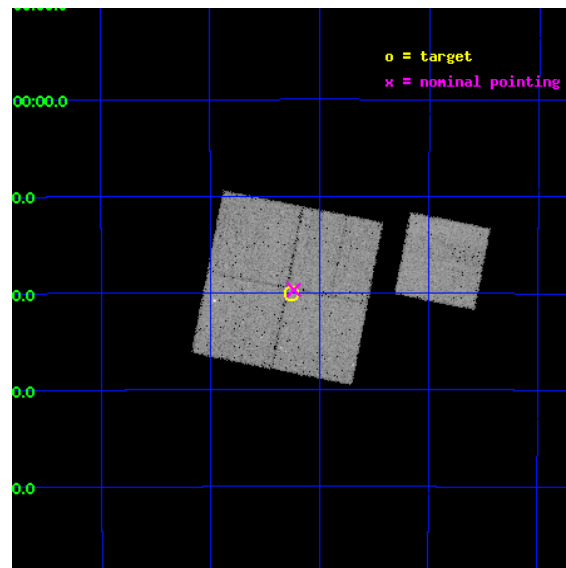
L2 Processing Date : May 8 2012

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1 Front

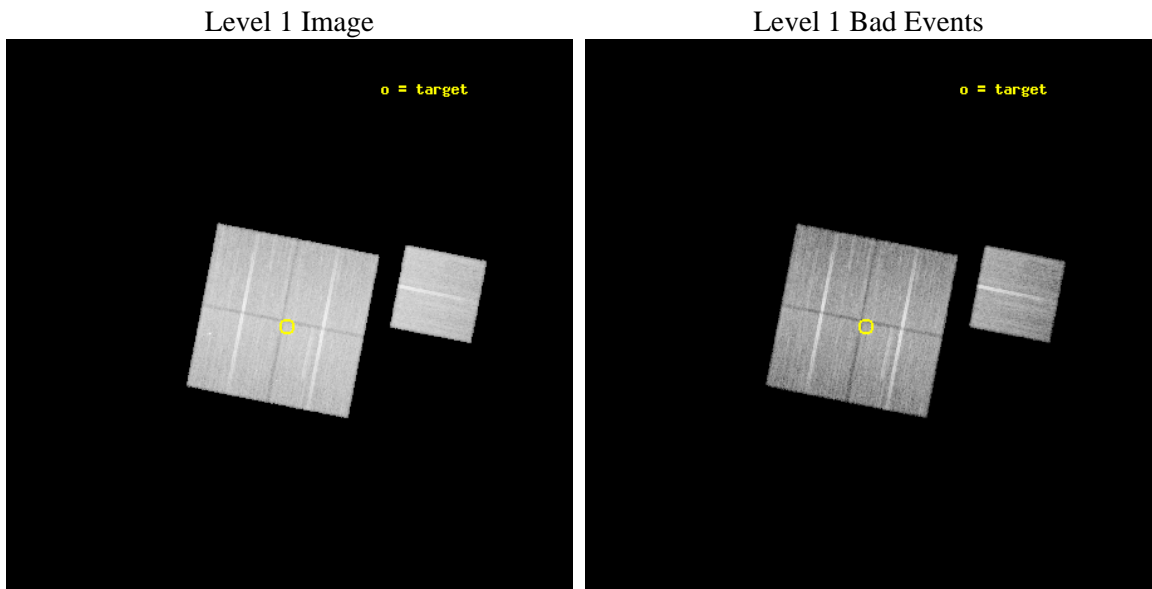
seq_num	200437	Sequence number
obs_id	7424	Observation id
title	Hot gas and cool dust around B[e] Supergiants	Proposal title
observer	Dr. Joel Kastner	Principal investigator
object	HD 327083	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.81375	Observer's specified target RA [deg]
dec_targ	-40.335194	Observer's specified target Dec [deg]
ra_nom	258.80873382281	Nominal RA [deg]
dec_nom	-40.328084585442	Nominal Dec [deg]
roll_nom	101.11056134478	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18541.100142598	Sum of GTIs [s]
livetime	18298.847019476	Livetime [s]
ontime0	18541.100142598	Sum of GTIs [s]
ontime1	18541.100142598	Sum of GTIs [s]
ontime2	18541.100142598	Sum of GTIs [s]
ontime3	18541.100142598	Sum of GTIs [s]
ontime6	18541.100142598	Sum of GTIs [s]
l2events	106261	Number of level 2 events



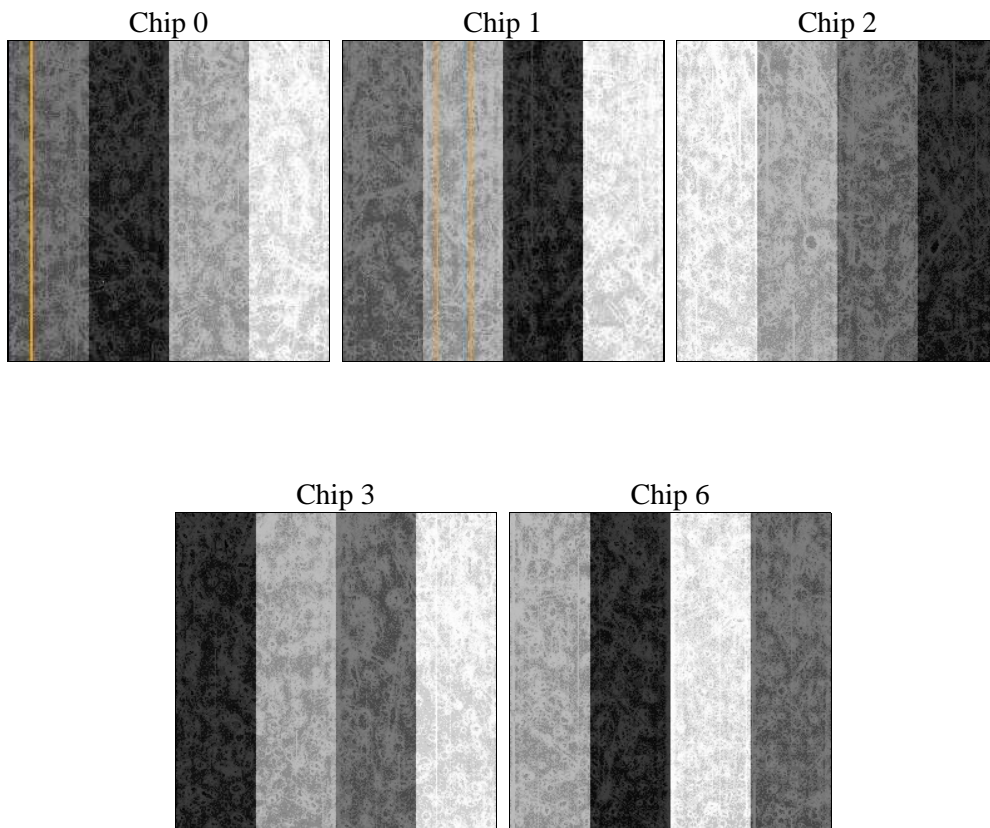
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18541.100142598	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	18541.100142598	Sum of GTIs [s]
date	2012-05-08T15:32:09	Date and time of file creation	ontime1	18541.100142598	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	18541.100142598	Sum of GTIs [s]
			ontime3	18541.100142598	Sum of GTIs [s]
			ontime6	18541.100142598	Sum of GTIs [s]
			l1events	900407	Number of level 1 events

2.1.4 Events

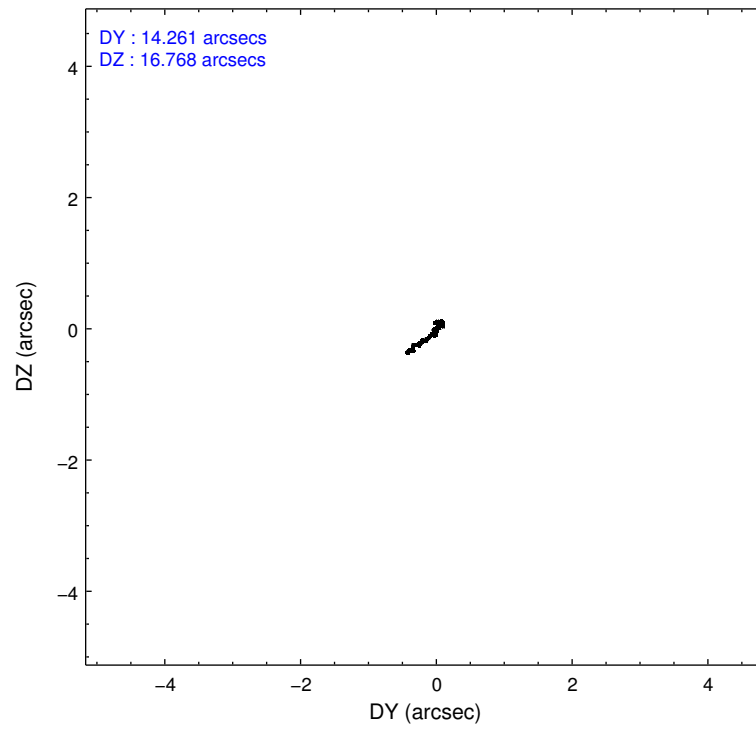
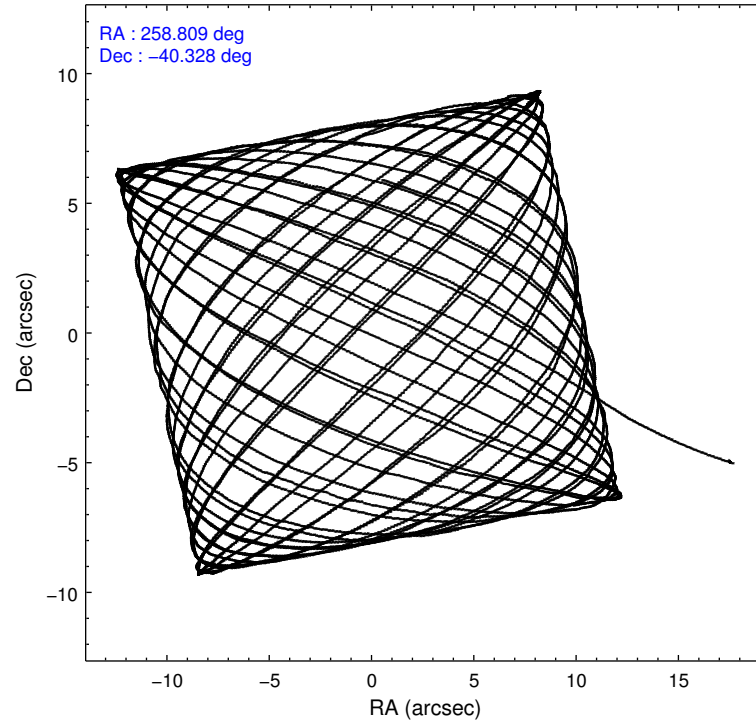
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	171194	174924	183328	183040	187921
rejected events	146737	149823	158957	159855	162931
rejected %	85%	85%	86%	87%	86%

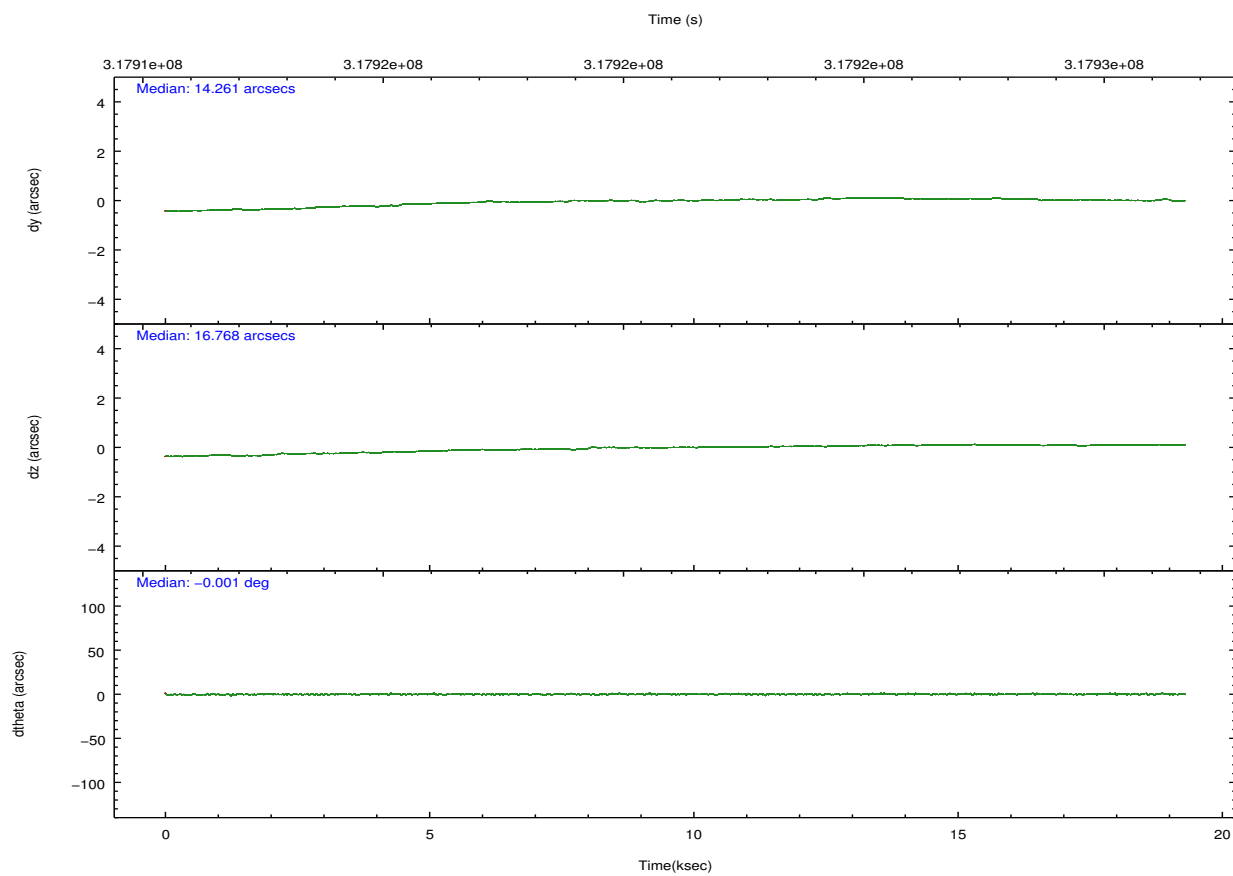
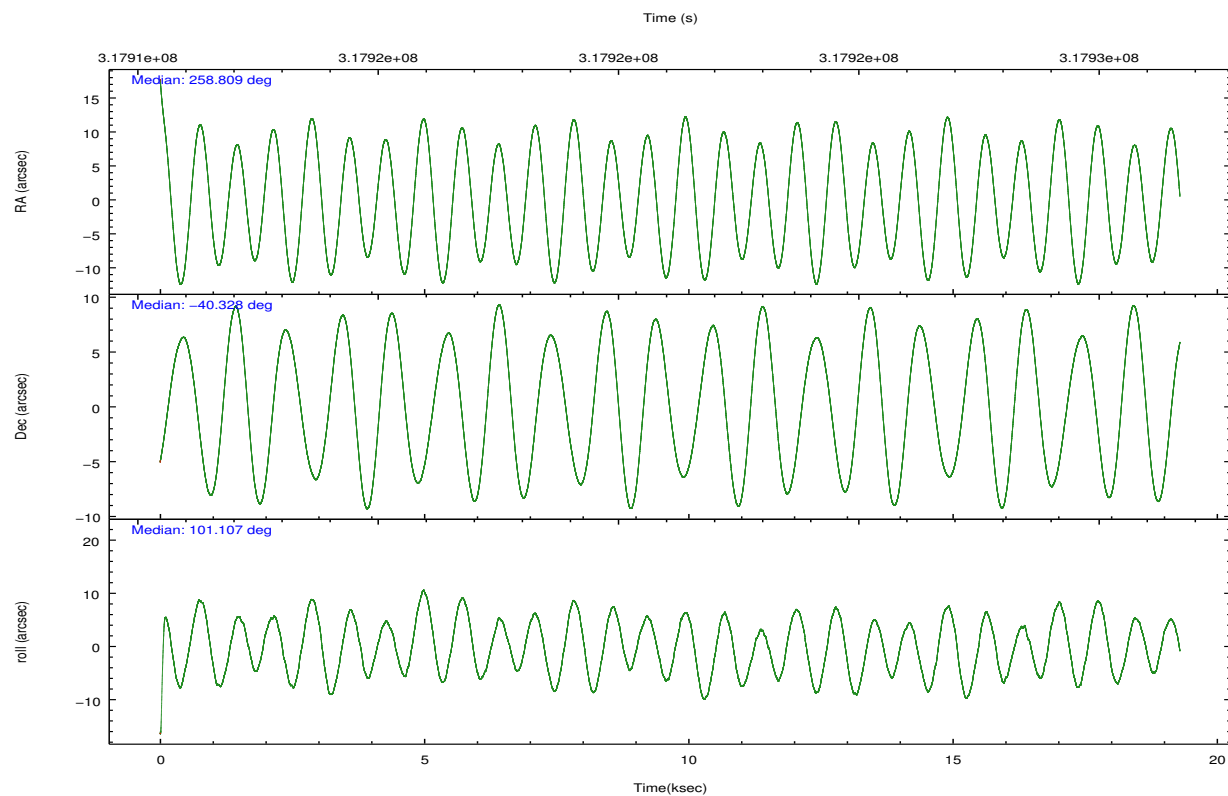
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10950	10090	11736	10475	11033
	6%	5%	6%	5%	5%
grade 1 events	109	106	126	128	99
	0%	0%	0%	0%	0%
grade 2 events	5256	5875	4849	4527	5051
	3%	3%	2%	2%	2%
grade 3 events	2108	2254	2089	2092	2183
	1%	1%	1%	1%	1%
grade 4 events	2094	2219	1995	2096	2127
	1%	1%	1%	1%	1%
grade 5 events	7644	8219	7344	8796	8638
	4%	4%	4%	4%	4%
grade 6 events	4061	4672	3712	4005	4599
	2%	2%	2%	2%	2%
grade 7 events	138972	141489	151477	150921	154191
	81%	80%	82%	82%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	258.832540	258.808733822809	Subarray requested	NONE	NONE
[deg] Pointing Dec	-40.348728	-40.32808458544243	Alternating exposures requested	N	N
[deg] Pointing Roll	100.917306	101.1105613447788	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	317912216.184000	317910983.70561			
Observation start date	2008-01-28T12:55:51	2008-01-28T12:36:23			
[s] Observation end time (MET)	317930716.184000	317931102.91909			
Observation end date	2008-01-28T18:04:11	2008-01-28T18:11:42			
Read mode	TIMED	TIMED			

2.3 Aspect



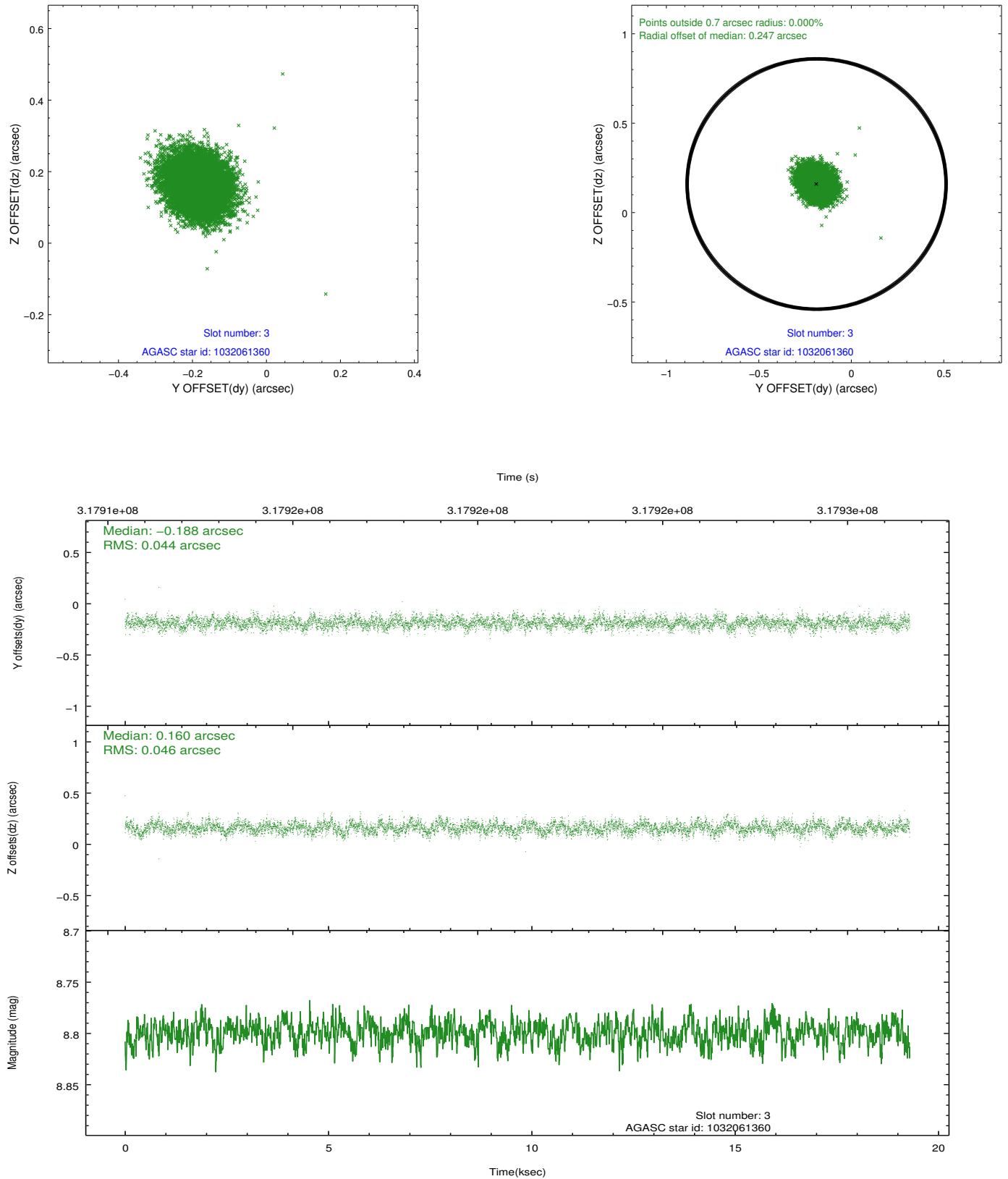


Slot Statistics

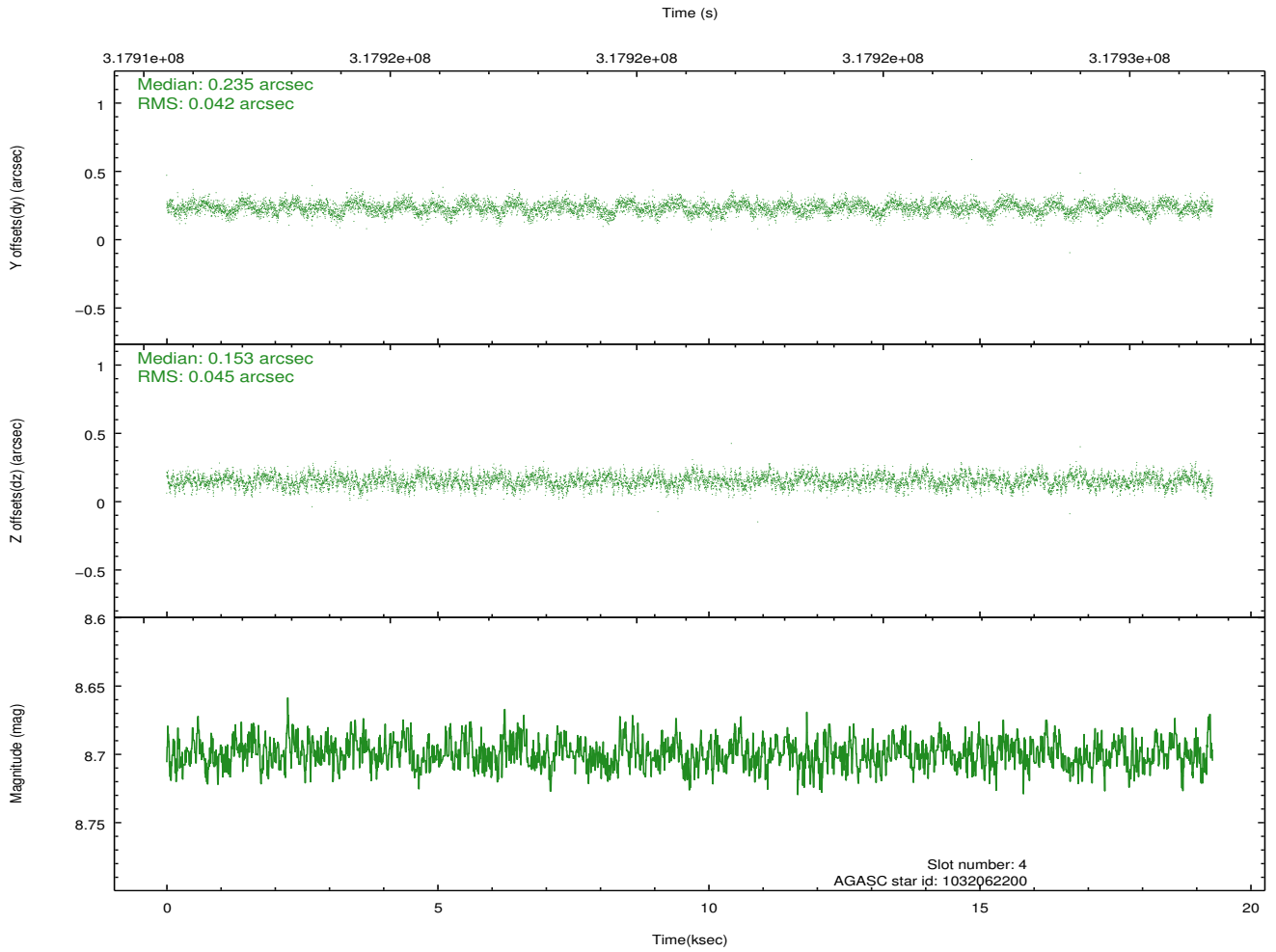
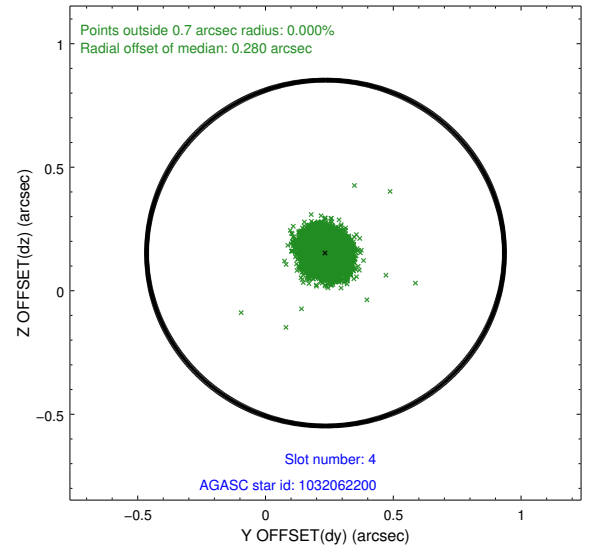
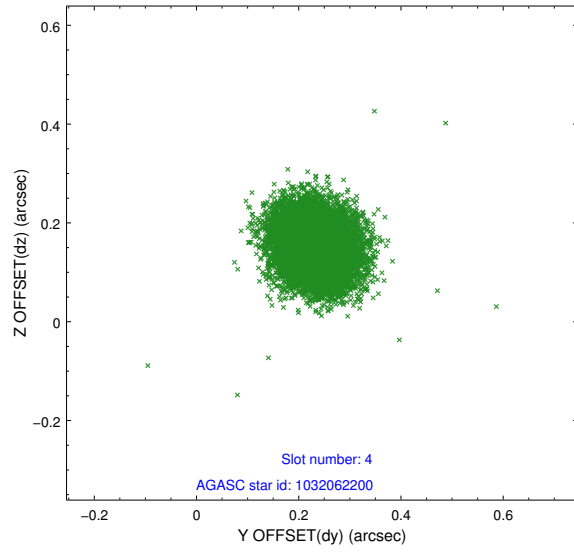
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	4705	0.061	-0.031	0.008	0.013	0.000000	0.000000	925.33	-840.42
1	FID	ACIS-I-5	7.22	4706	-0.208	0.065	0.006	0.011	0.000000	0.000000	-1822.90	1057.13
2	FID	ACIS-I-6	7.23	4707	0.055	0.035	0.009	0.016	0.000000	0.000000	390.70	1701.78
3	GUIDE	1032061360	8.80	9405	-0.188	0.160	0.067	0.109	259.112556	-39.814639	1739.99	-1123.57
4	GUIDE	1032062200	8.70	9410	0.235	0.153	0.065	0.105	259.162367	-40.866249	-2000.52	-528.35
5	GUIDE	1032062224	8.08	9413	-0.023	-0.225	0.058	0.091	258.732987	-40.317739	160.67	247.37
6	GUIDE	1032064856	9.22	9406	-0.197	0.222	0.098	0.161	258.958011	-40.551517	-782.13	-198.20
7	GUIDE	1032062624	9.18	9362	0.174	-0.303	0.106	0.177	258.220808	-41.104132	-2361.63	2145.46

2.4 Star Slots

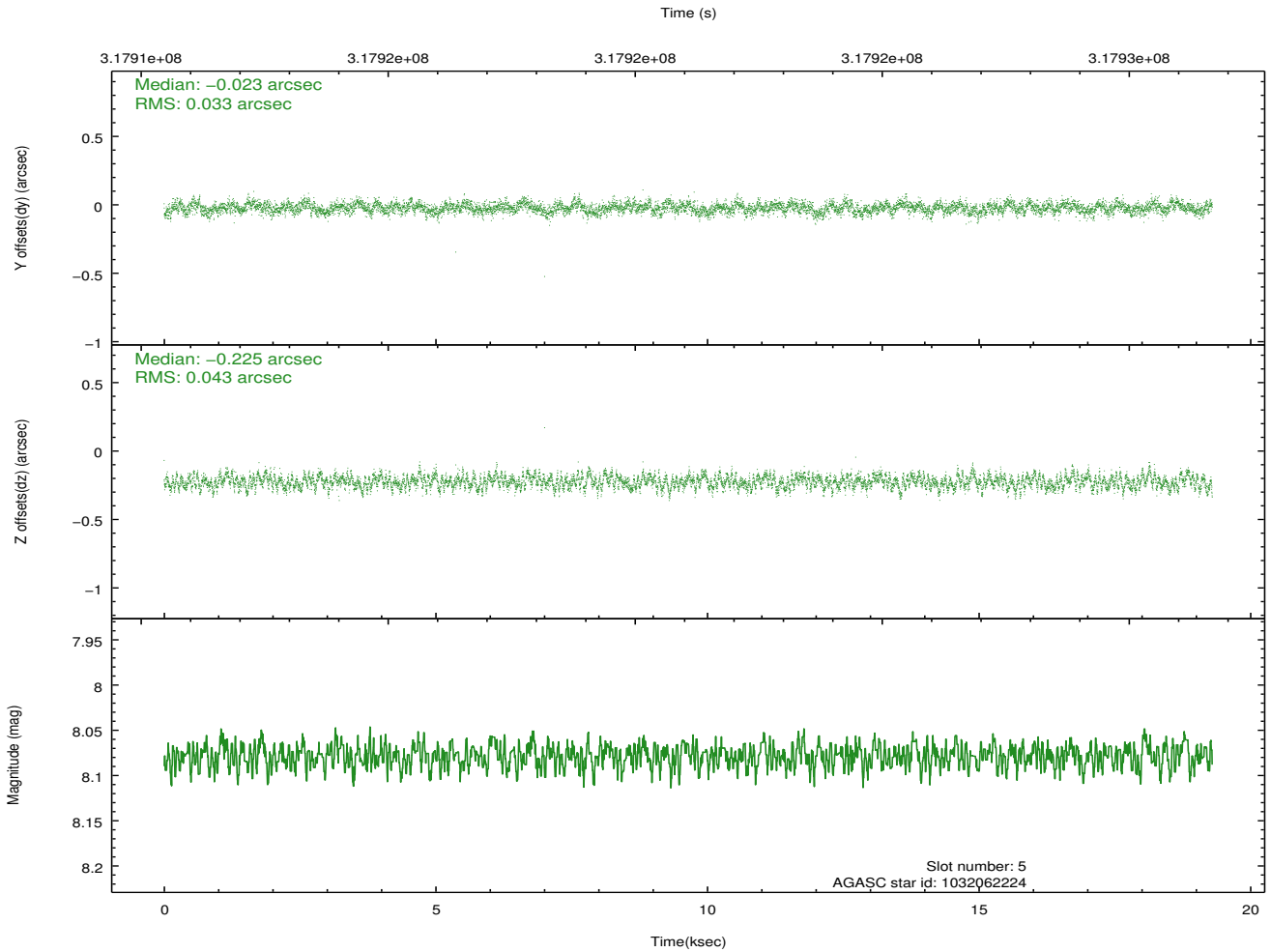
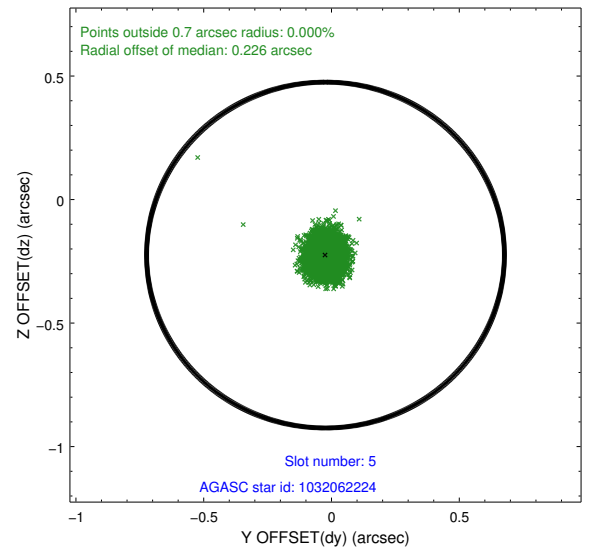
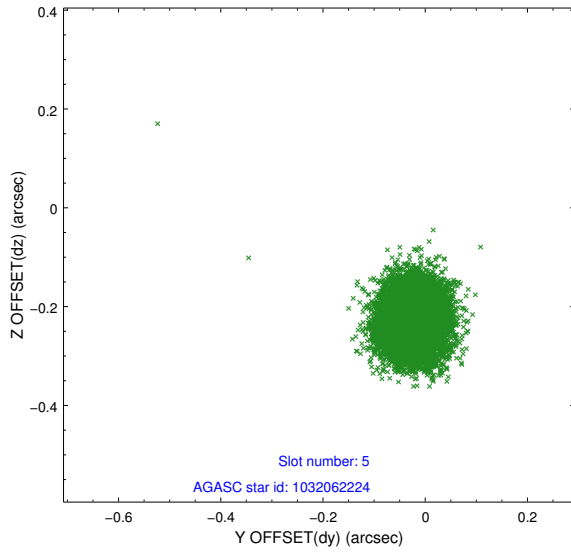
2.4.1 Slot 3



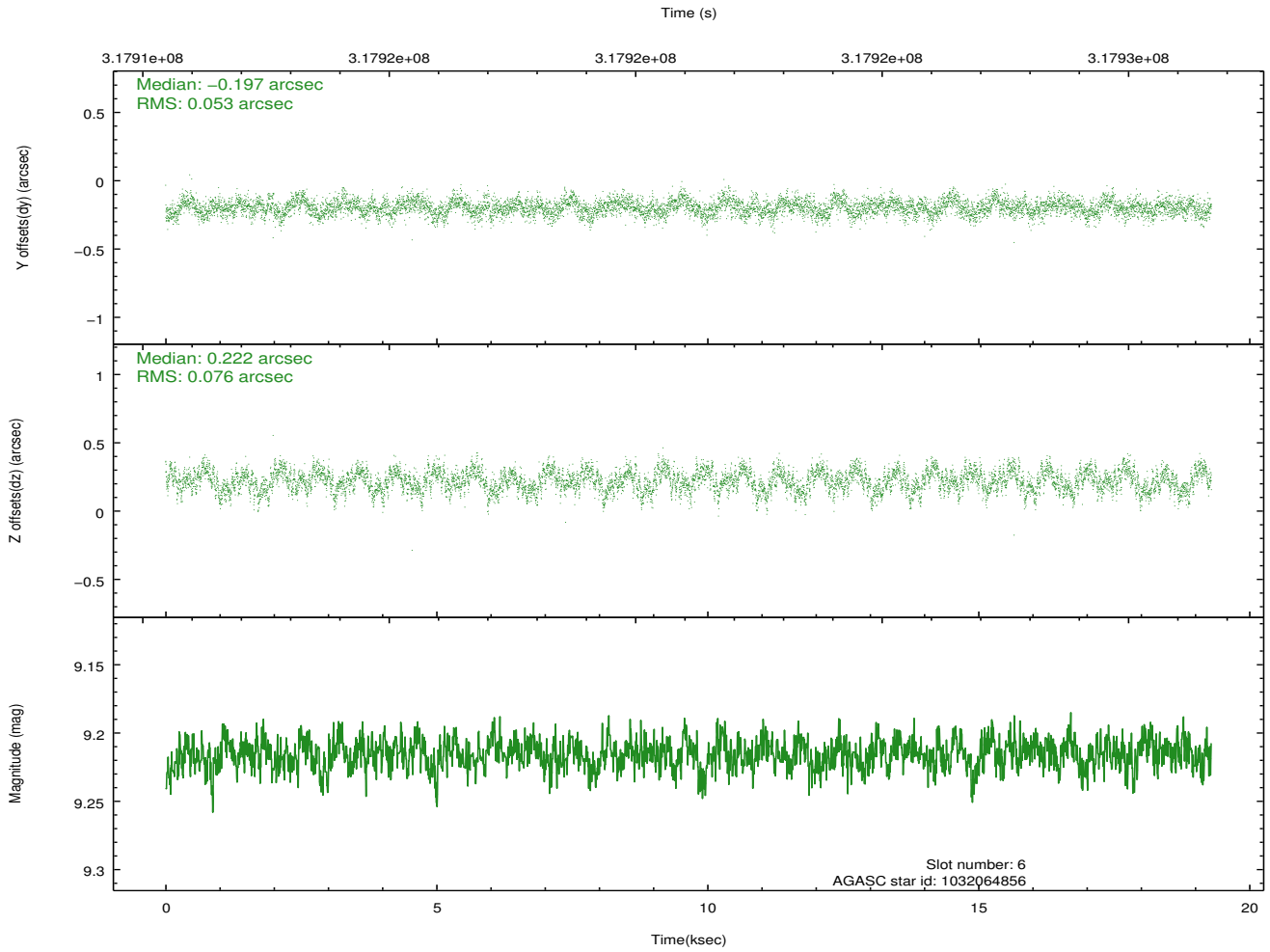
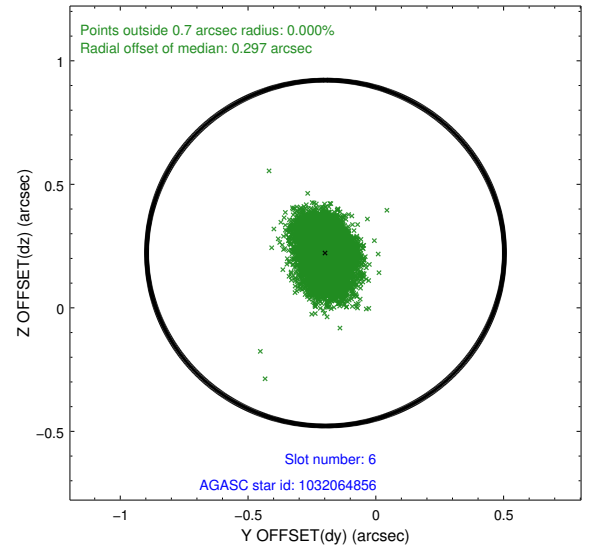
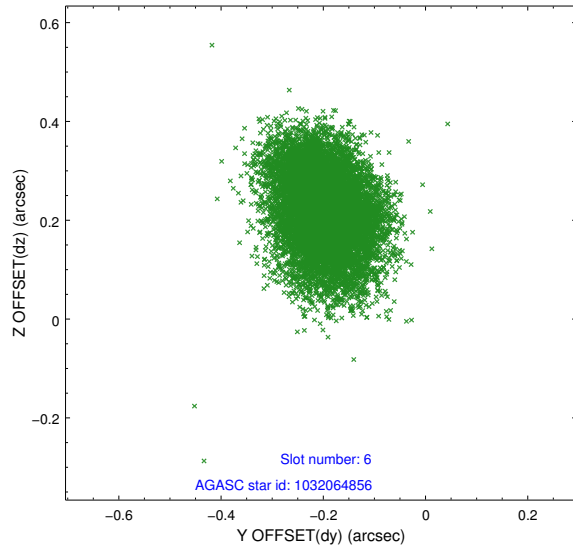
2.4.2 Slot 4



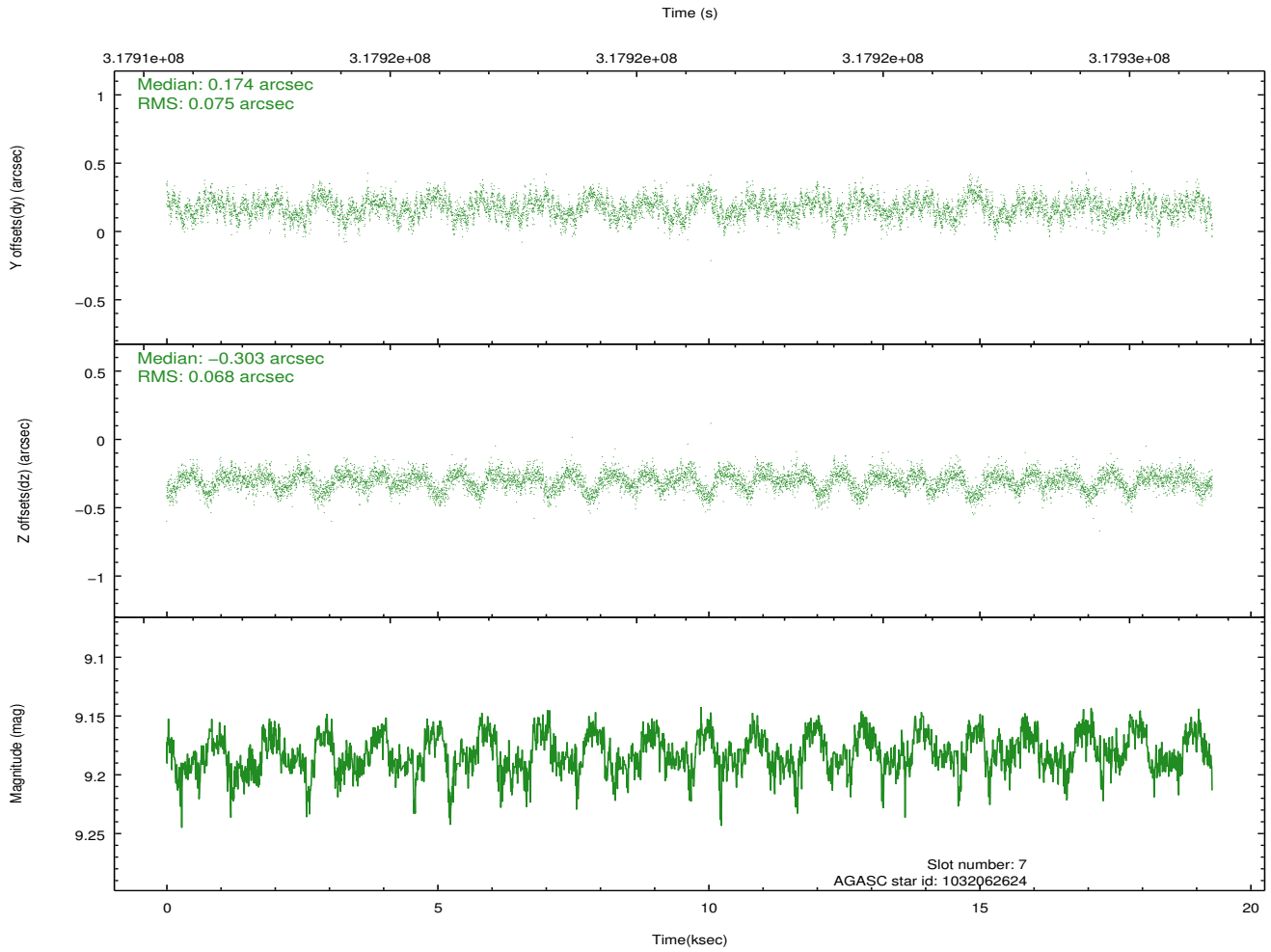
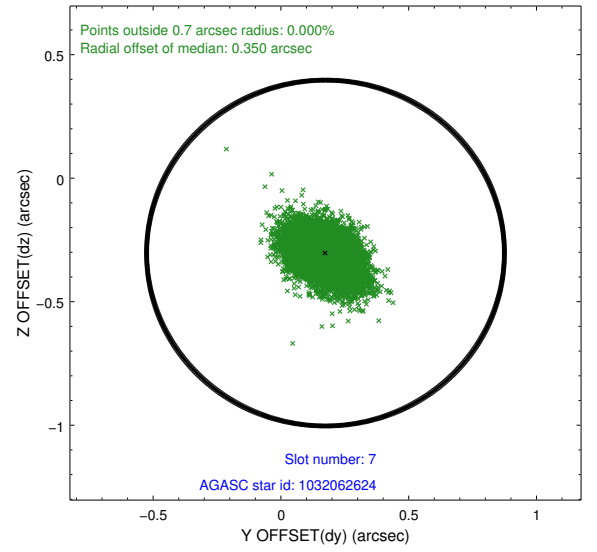
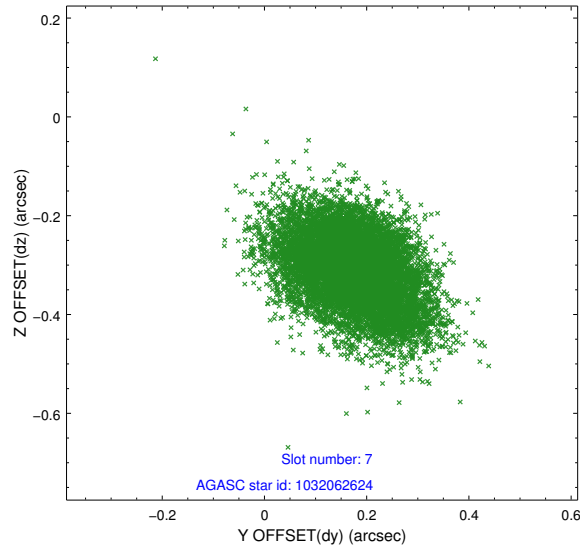
2.4.3 Slot 5



2.4.4 Slot 6

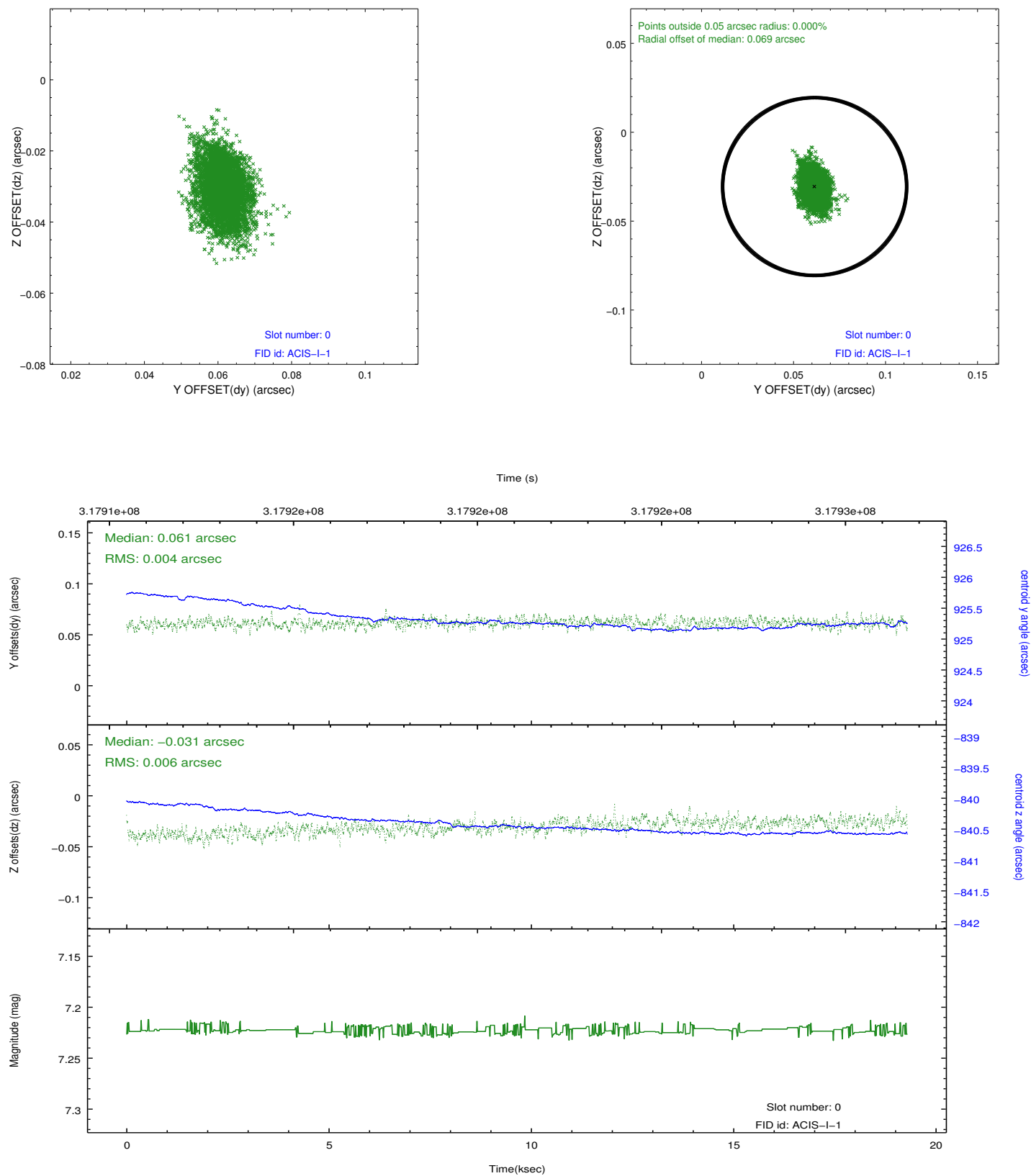


2.4.5 Slot 7

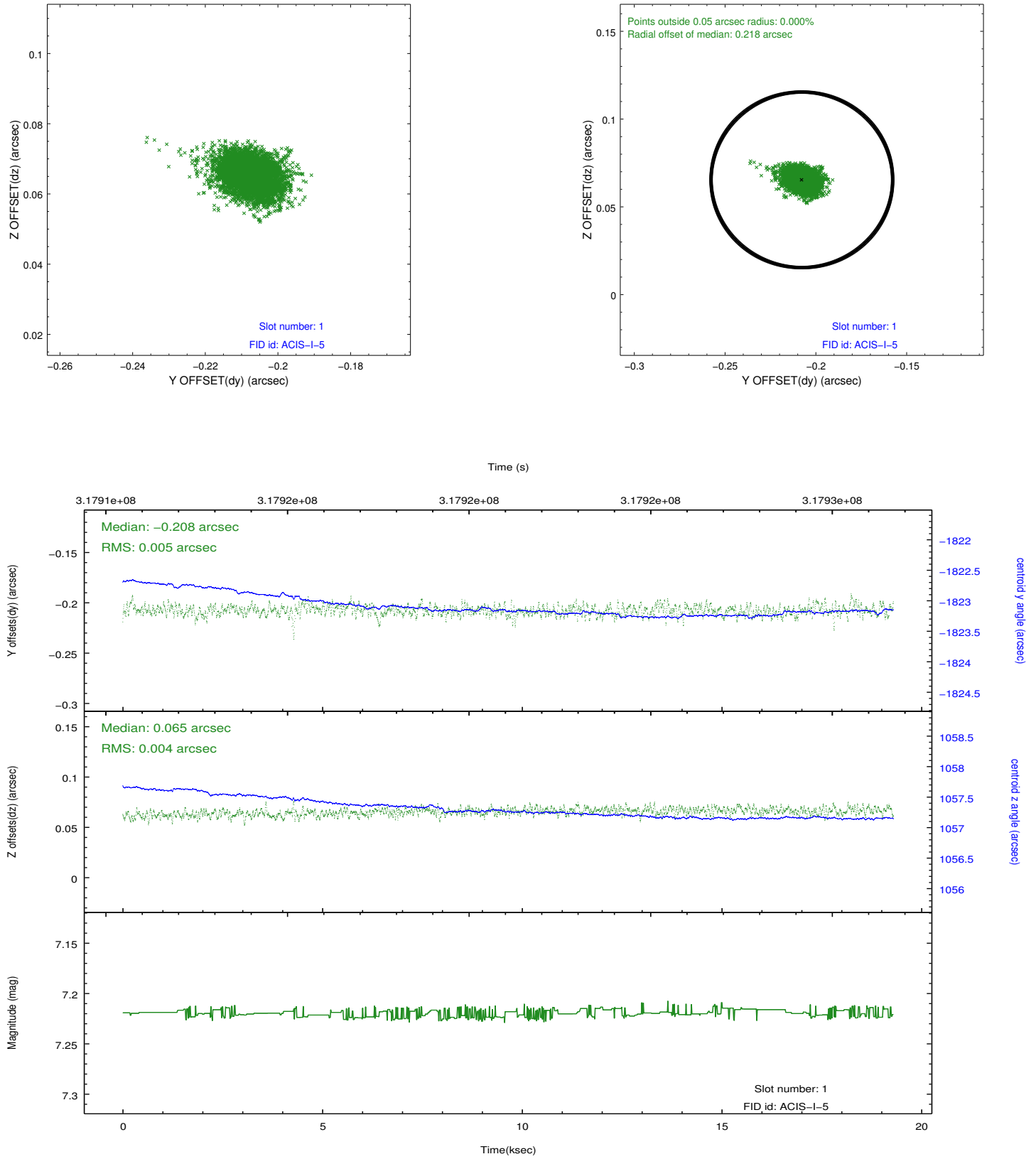


2.5 FID Slots

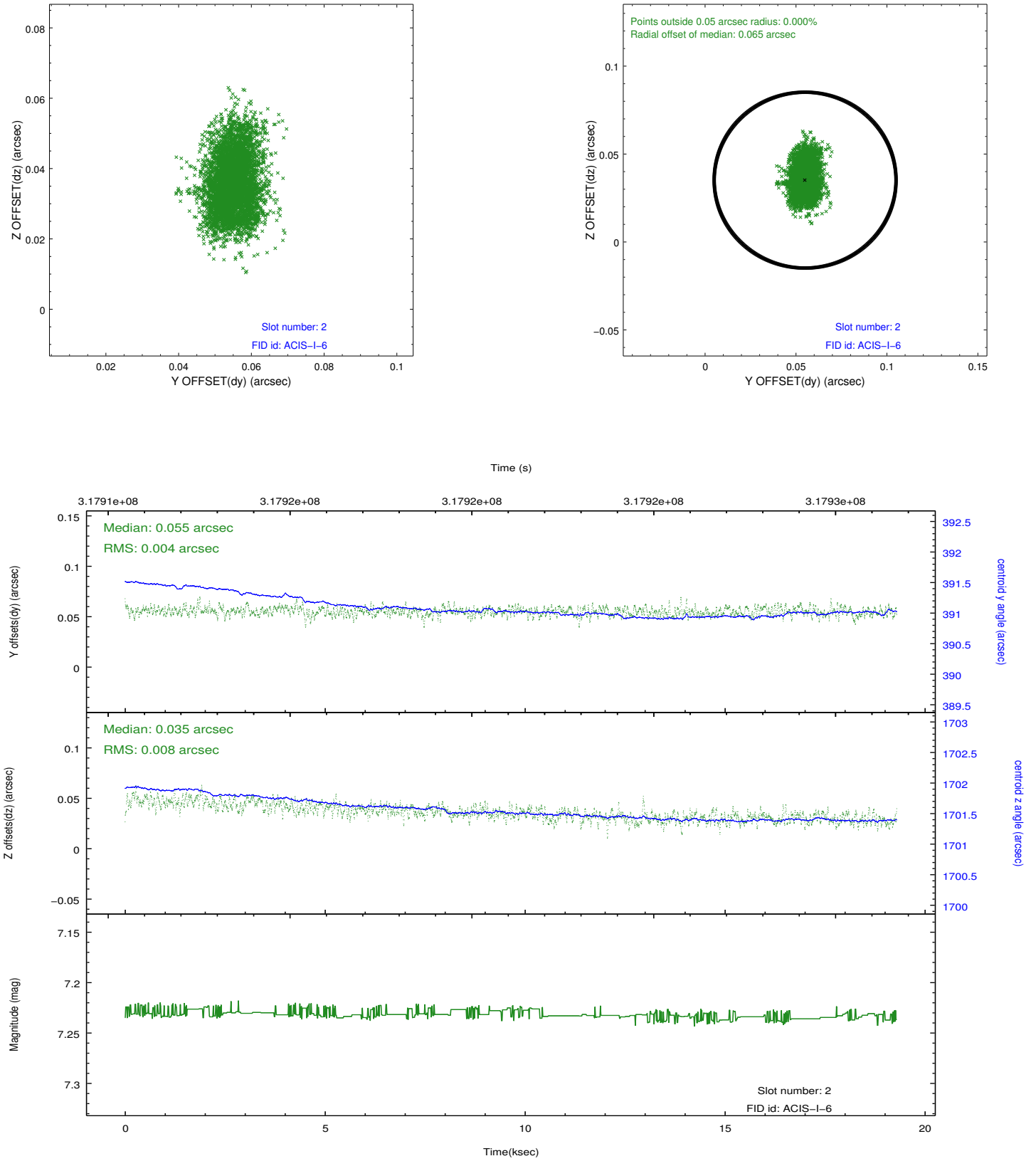
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.5411001

A.2 Comments

Joint proposal: Spitzer