

V&V Reference Report

L2 ASCDS Version : 10

Observation 14527 - L2 Version 2
Chandra X-Ray Center

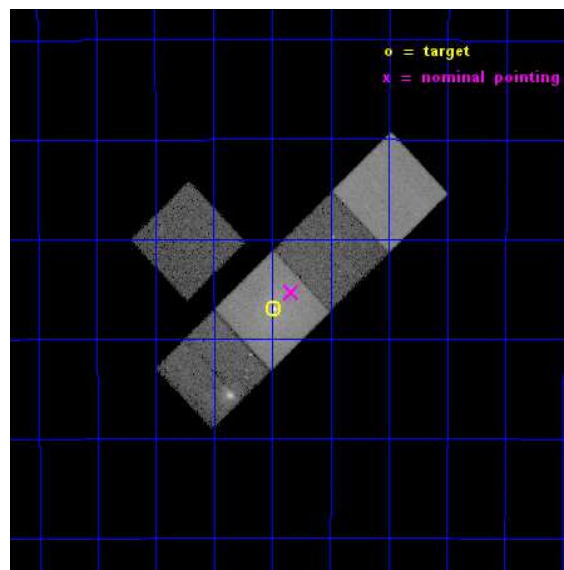
L2 Processing Date : Dec 3 2014

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1 Front

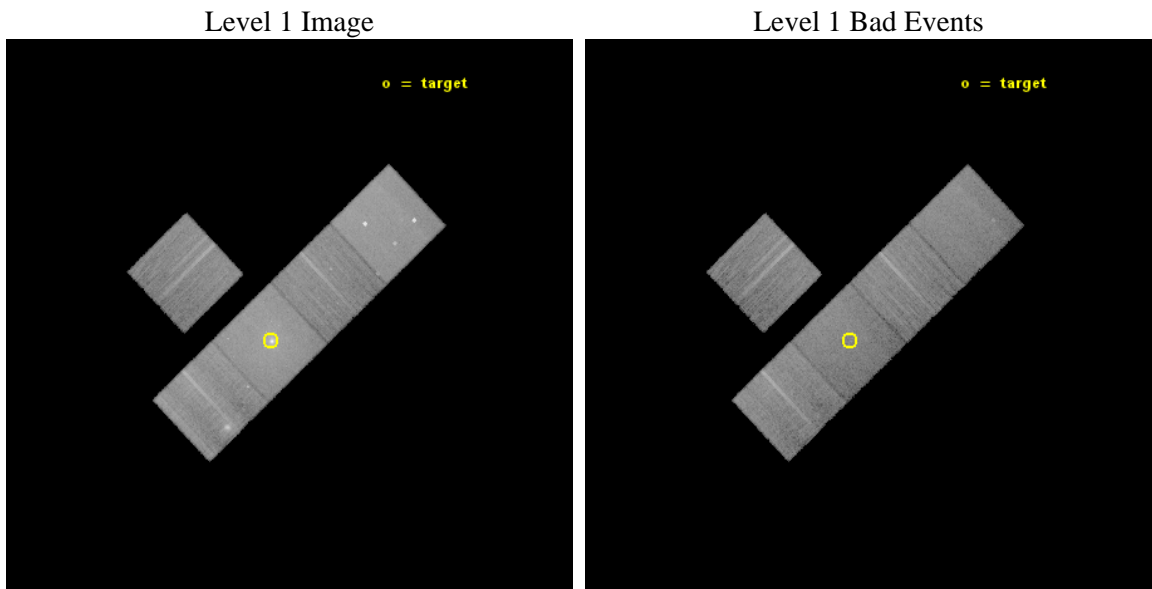
seq_num	601023	Sequence number
obs_id	14527	Observation id
title	Monitoring a Possible Post-Tidal Disruption Event (and Black Hole X-ray Binaries) in NGC1399	Proposal title
observer	Professor Jimmy Irwin	Principal investigator
object	NGC1399	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.62125	Observer's specified target RA [deg]
dec_targ	-35.450833	Observer's specified target Dec [deg]
ra_nom	54.583575780489	Nominal RA [deg]
dec_nom	-35.422676898594	Nominal Dec [deg]
roll_nom	136.16754763949	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28162.497018993	Sum of GTIs [s]
livetime	27794.533262511	Livetime [s]
ontime3	28162.373898983	Sum of GTIs [s]
ontime5	28162.45597899	Sum of GTIs [s]
ontime6	28159.273968637	Sum of GTIs [s]
ontime7	28162.497018993	Sum of GTIs [s]
ontime8	28162.33285898	Sum of GTIs [s]
l2events	308999	Number of level 2 events



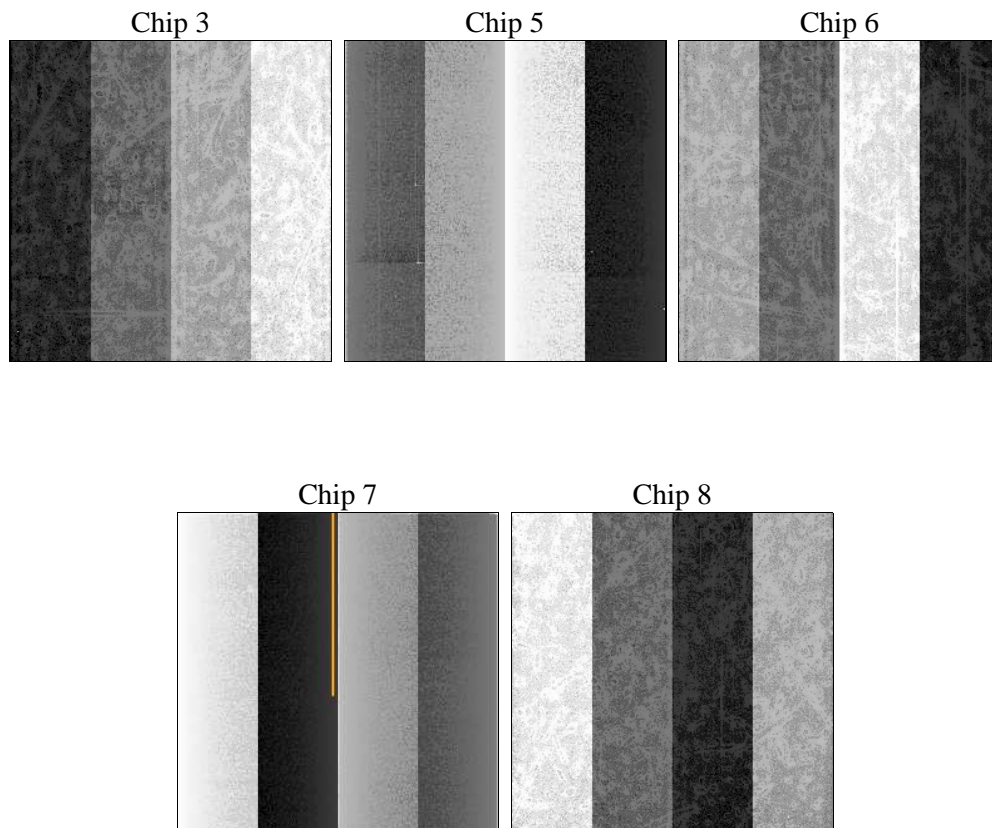
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28100.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	28162.497018993	Sum of GTIs [s]
caldbver	4.6.4	 	ontime3	28162.373898983	Sum of GTIs [s]
date	2014-12-04T00:57:13	Date and time of file creation	ontime5	28162.45597899	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	28159.273968637	Sum of GTIs [s]
			ontime7	28162.497018993	Sum of GTIs [s]
			ontime8	28162.33285898	Sum of GTIs [s]
			l1events	954226	Number of level 1 events

2.1.4 Events

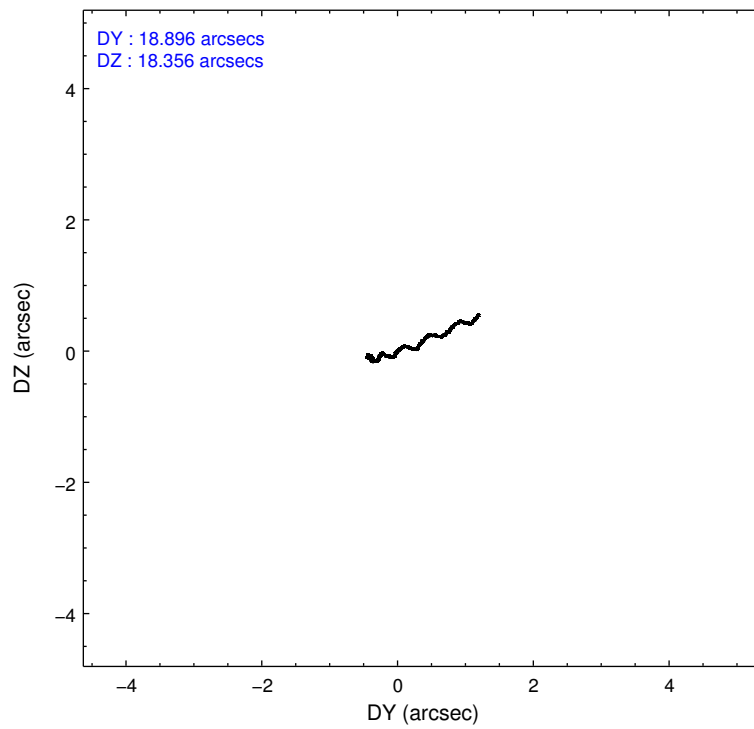
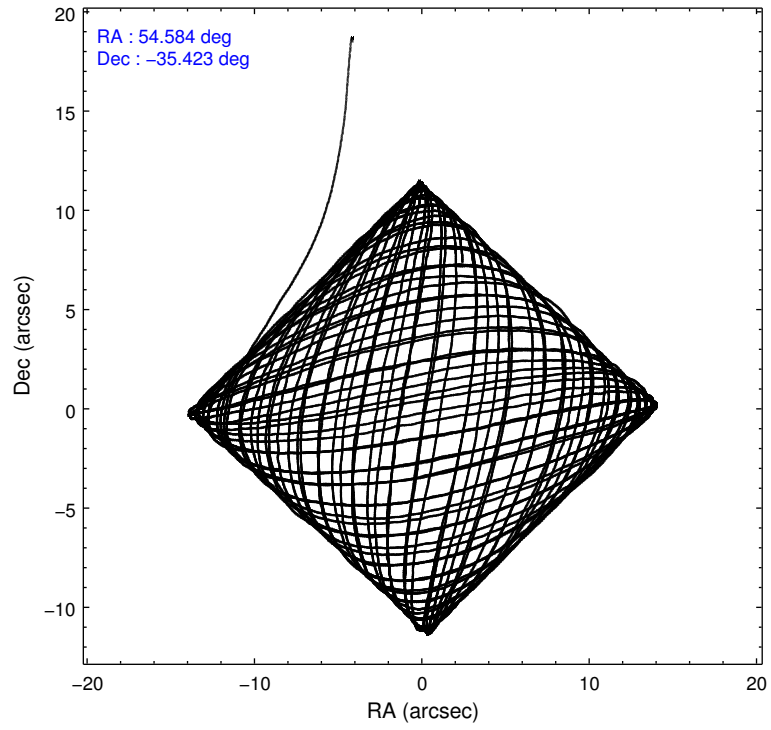
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	137859	237764	149847	237081	191675
rejected events	117219	116842	122241	105250	131468
rejected %	85%	49%	81%	44%	68%

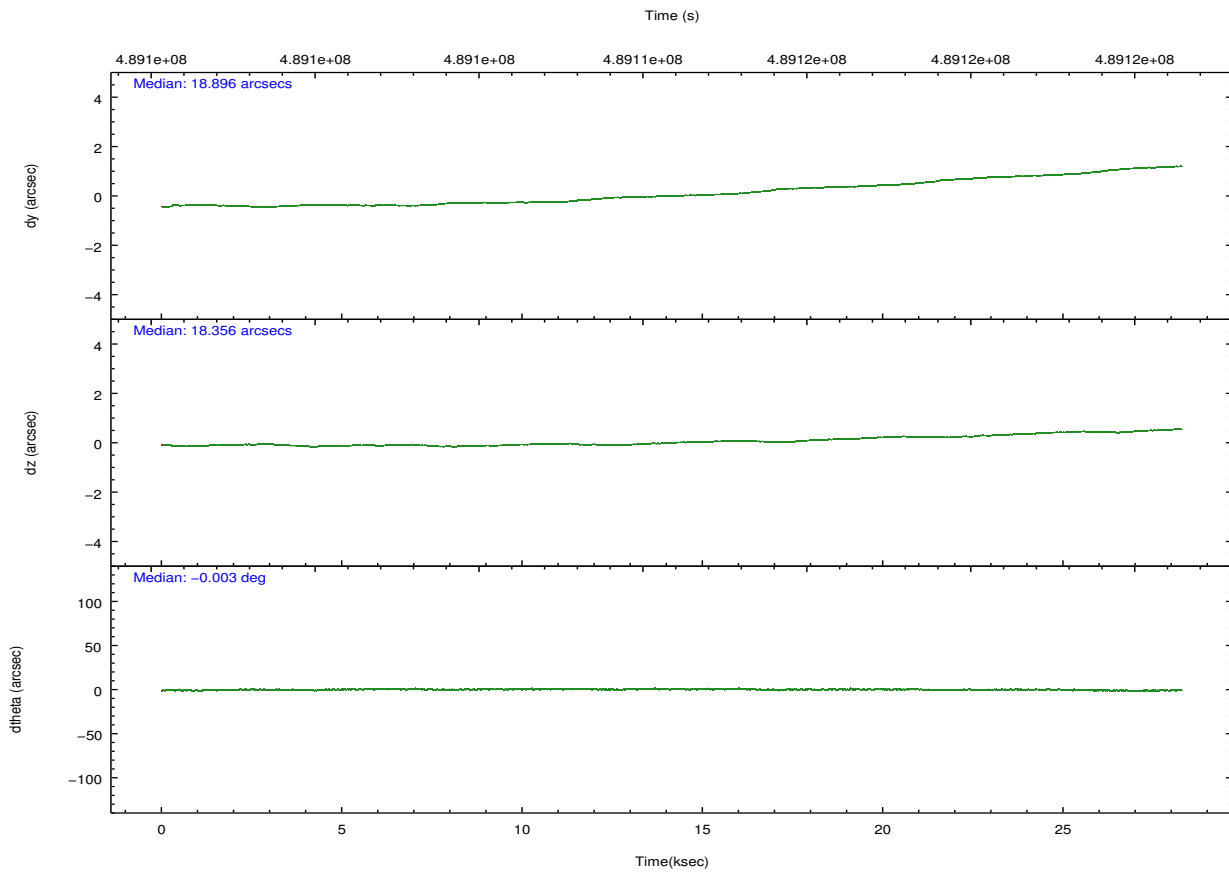
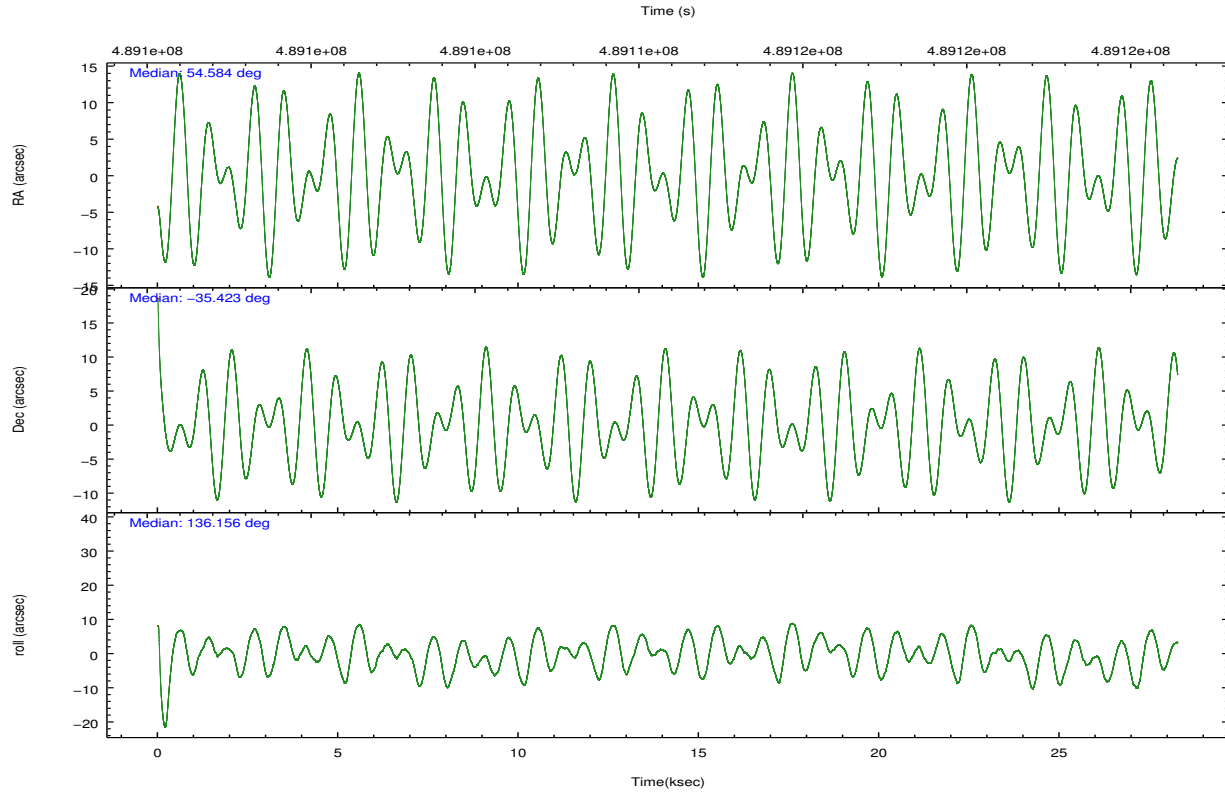
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10041	18968	14839	23524	24839
	7%	7%	9%	9%	12%
grade 1 events	103	597	72	237	169
	0%	0%	0%	0%	0%
grade 2 events	3821	34560	4870	30577	12443
	2%	14%	3%	12%	6%
grade 3 events	1815	4320	1965	12626	5156
	1%	1%	1%	5%	2%
grade 4 events	1726	4277	1955	12815	4865
	1%	1%	1%	5%	2%
grade 5 events	7022	17175	7123	19383	10503
	5%	7%	4%	8%	5%
grade 6 events	3246	58824	3986	52315	12913
	2%	24%	2%	22%	6%
grade 7 events	110085	99043	115037	85604	120787
	79%	41%	76%	36%	63%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	54.616278	54.5835757804894	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.428860	-35.42267689859351	Alternating exposures requested	N	N
[deg] Pointing Roll	136.029867	136.1675476394901	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	489096927.184000	489095275.62899			
Observation start date	2013-07-01T20:14:20	2013-07-01T19:47:55			
[s] Observation end time (MET)	489125027.184000	489125922.10566			
Observation end date	2013-07-02T04:02:40	2013-07-02T04:18:42			
Read mode	TIMED	TIMED			

2.3 Aspect





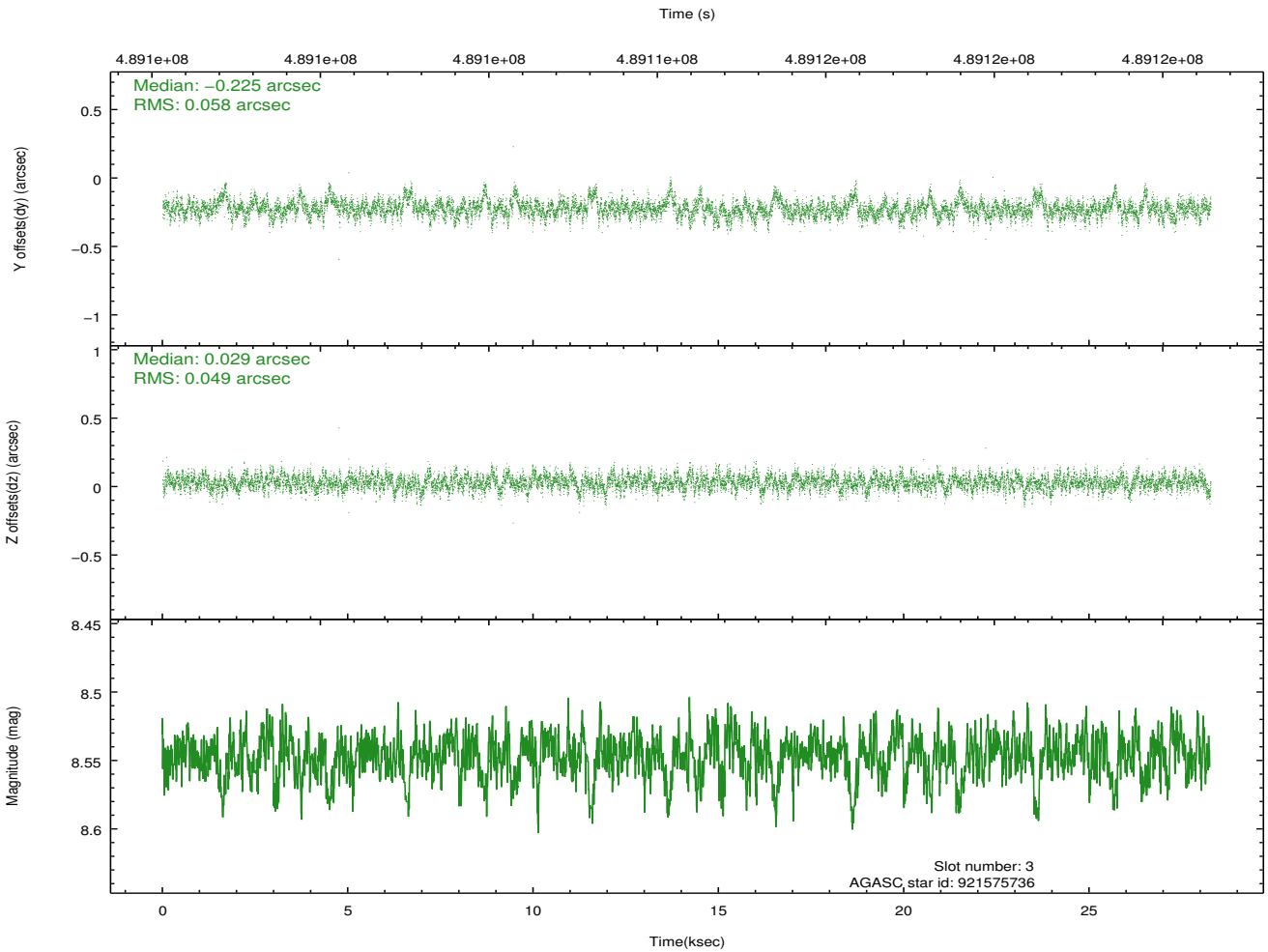
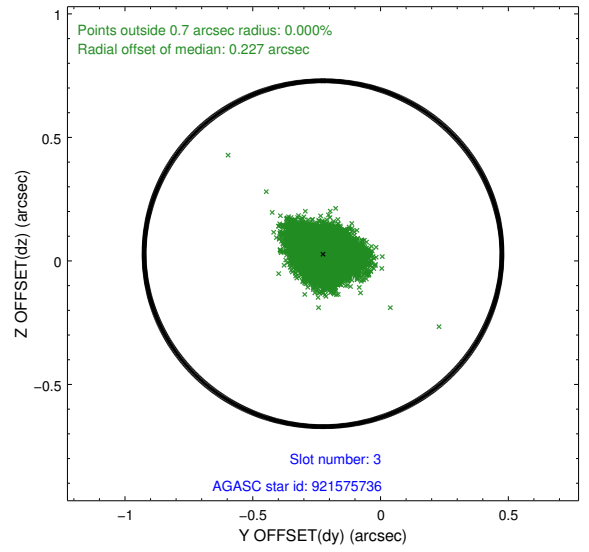
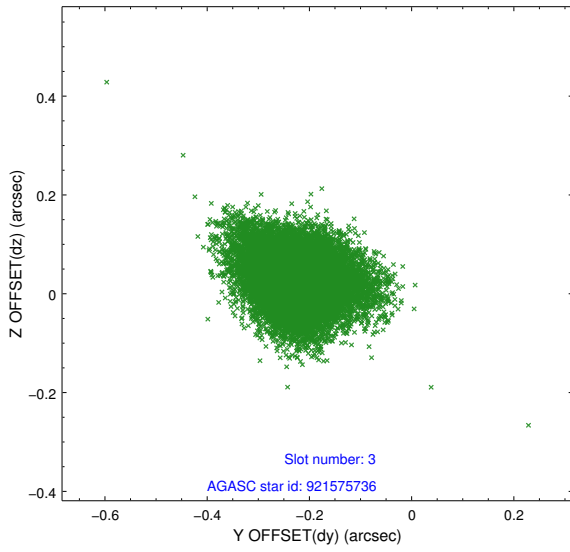
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.91	6897	-0.094	-0.048	0.014	0.025	0.000000	0.000000	-772.25	-1739.93
1	FID		ACIS-S-4	6.99	6897	0.251	0.059	0.009	0.015	0.000000	0.000000	2141.38	168.50
2	FID		ACIS-S-5	7.01	6897	-0.187	-0.003	0.012	0.025	0.000000	0.000000	-1825.03	162.30
3	GUIDE	used	921575736	8.55	13792	-0.225	0.029	0.079	0.136	54.586331	-34.827401	1567.29	-1496.39
4	GUIDE	used	921965624	8.62	13790	0.126	-0.150	0.073	0.117	54.900706	-35.940077	-1874.94	749.52
5	GUIDE	used	921966528	6.78	13790	-0.132	-0.059	0.071	0.108	54.675841	-35.204254	435.40	-703.40
6	GUIDE	used	921966544	7.91	13793	0.133	-0.170	0.069	0.112	54.743508	-35.636012	-785.43	279.09
7	GUIDE	used	921963584	9.54	13774	0.097	0.347	0.152	0.242	55.242973	-35.012099	-291.39	-2358.61

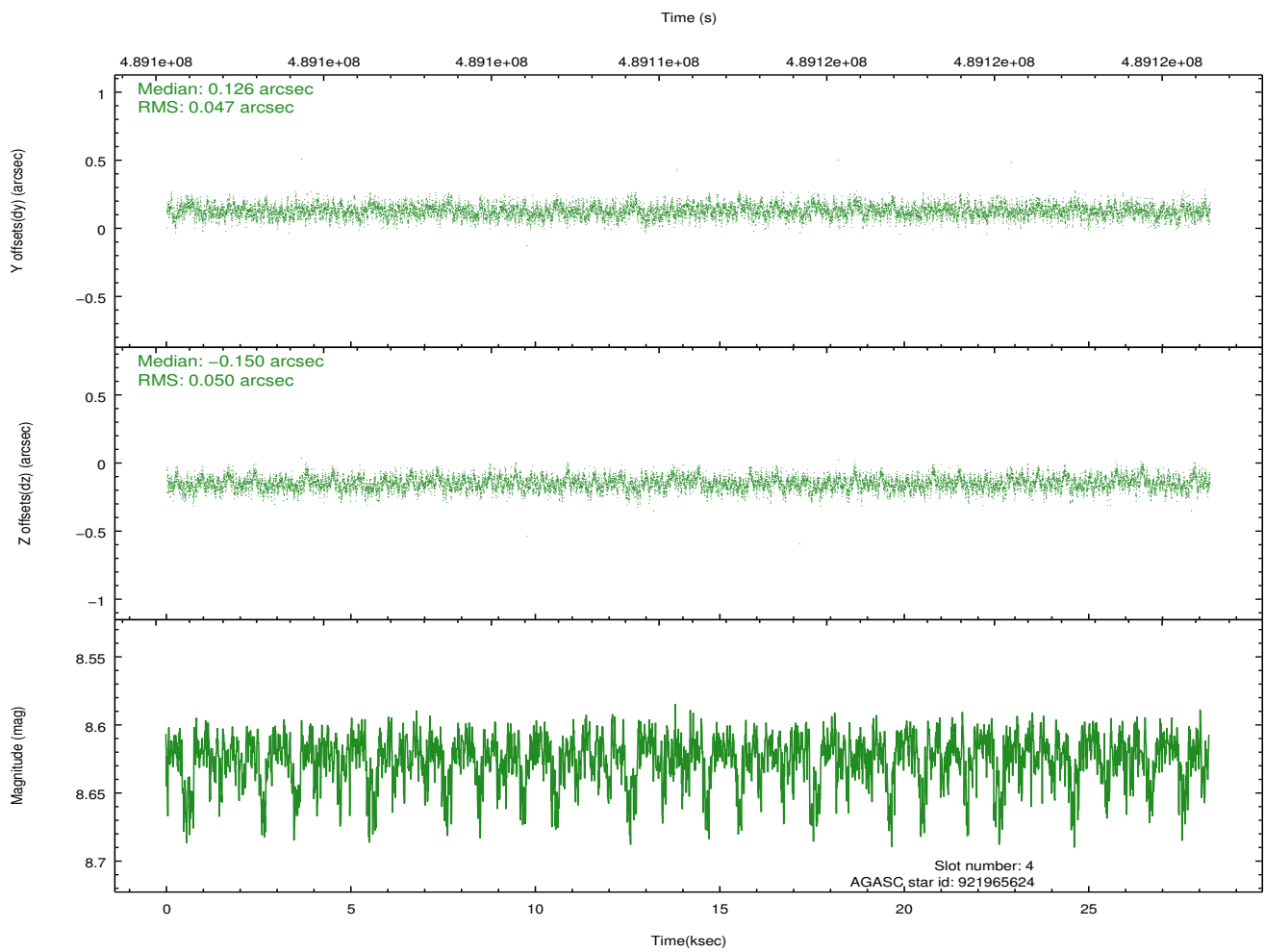
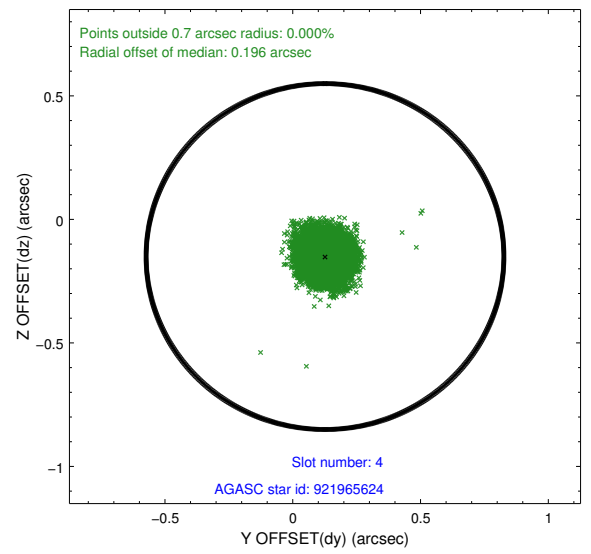
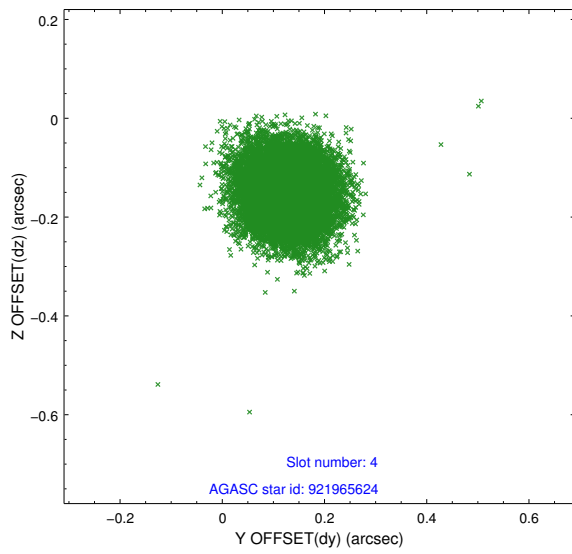
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2.4 Star Slots

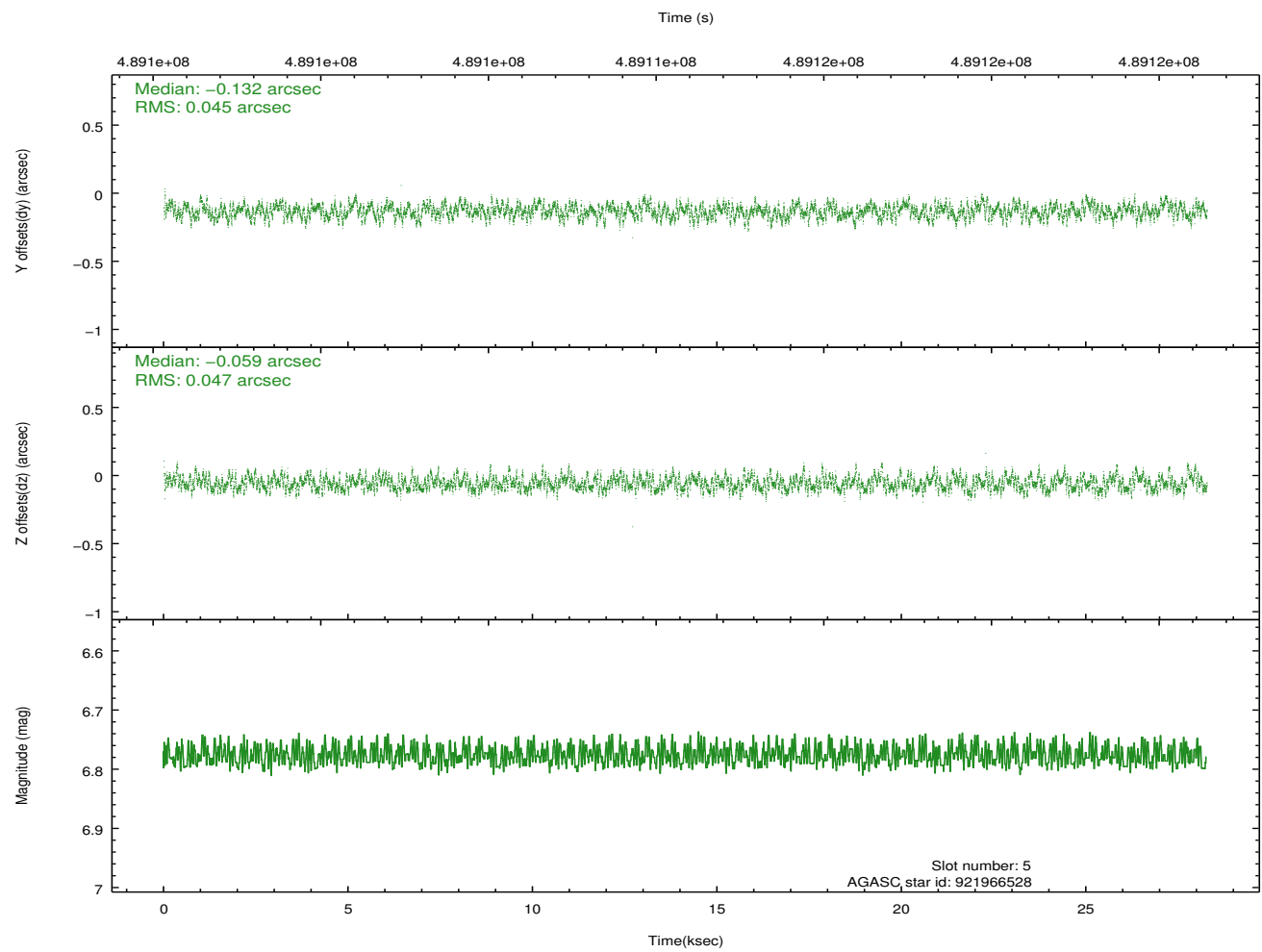
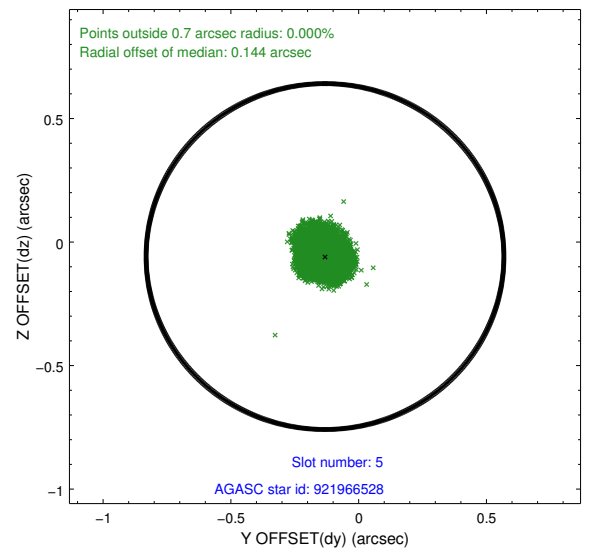
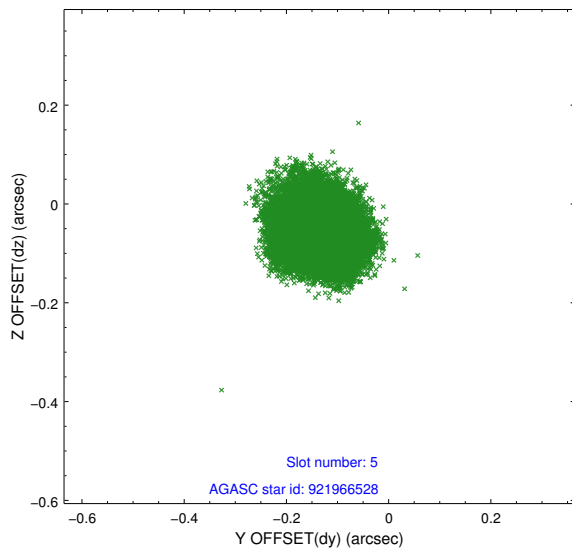
2.4.1 Slot 3



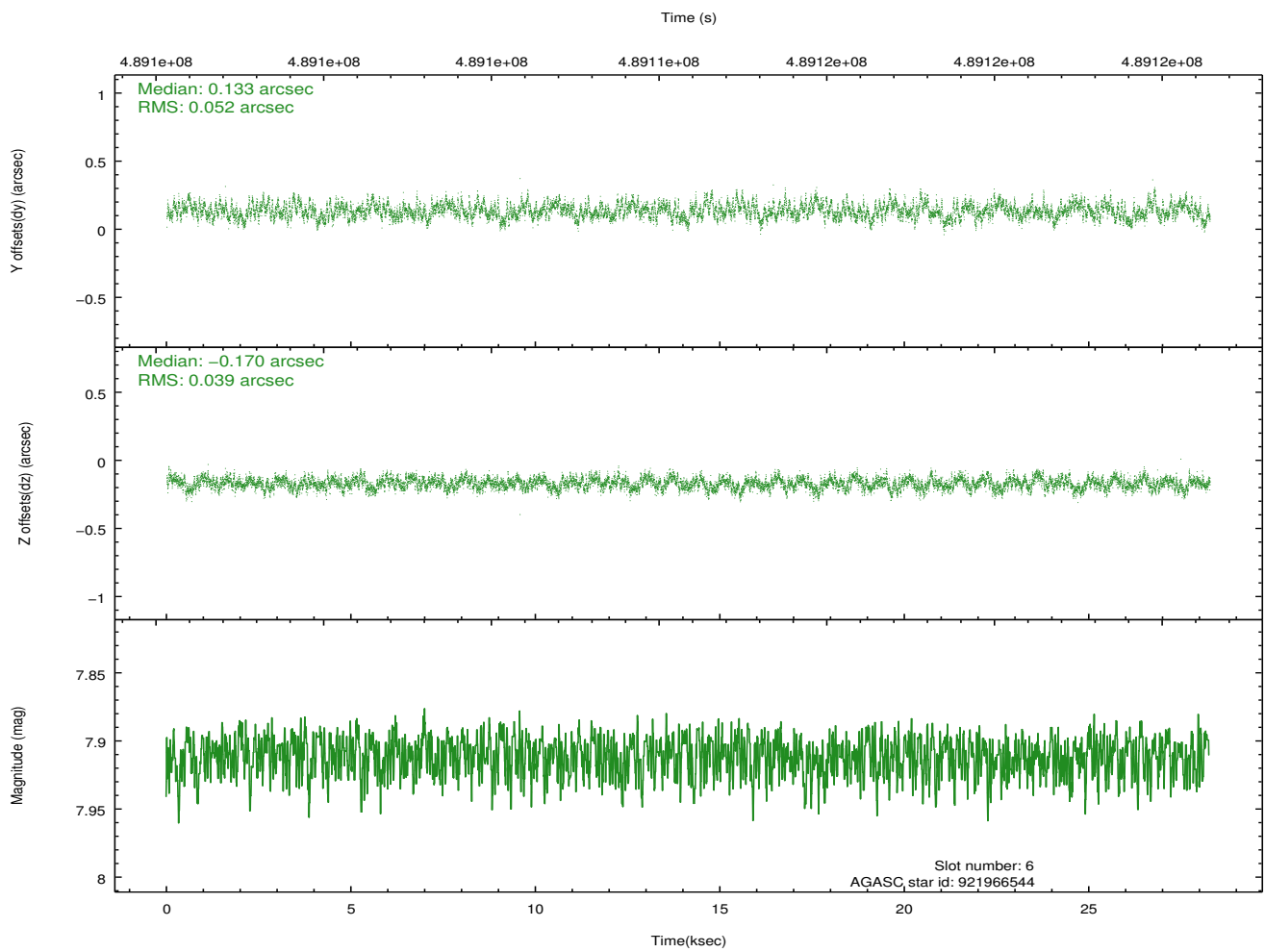
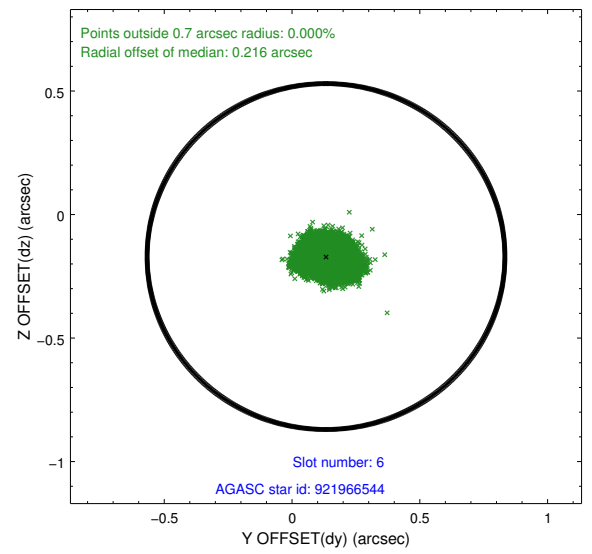
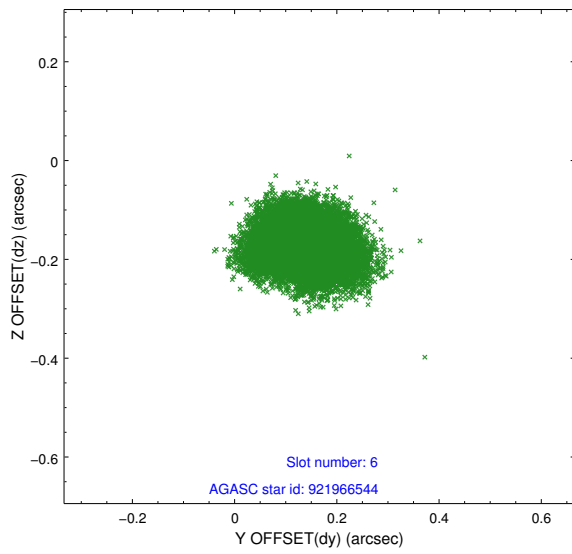
2.4.2 Slot 4



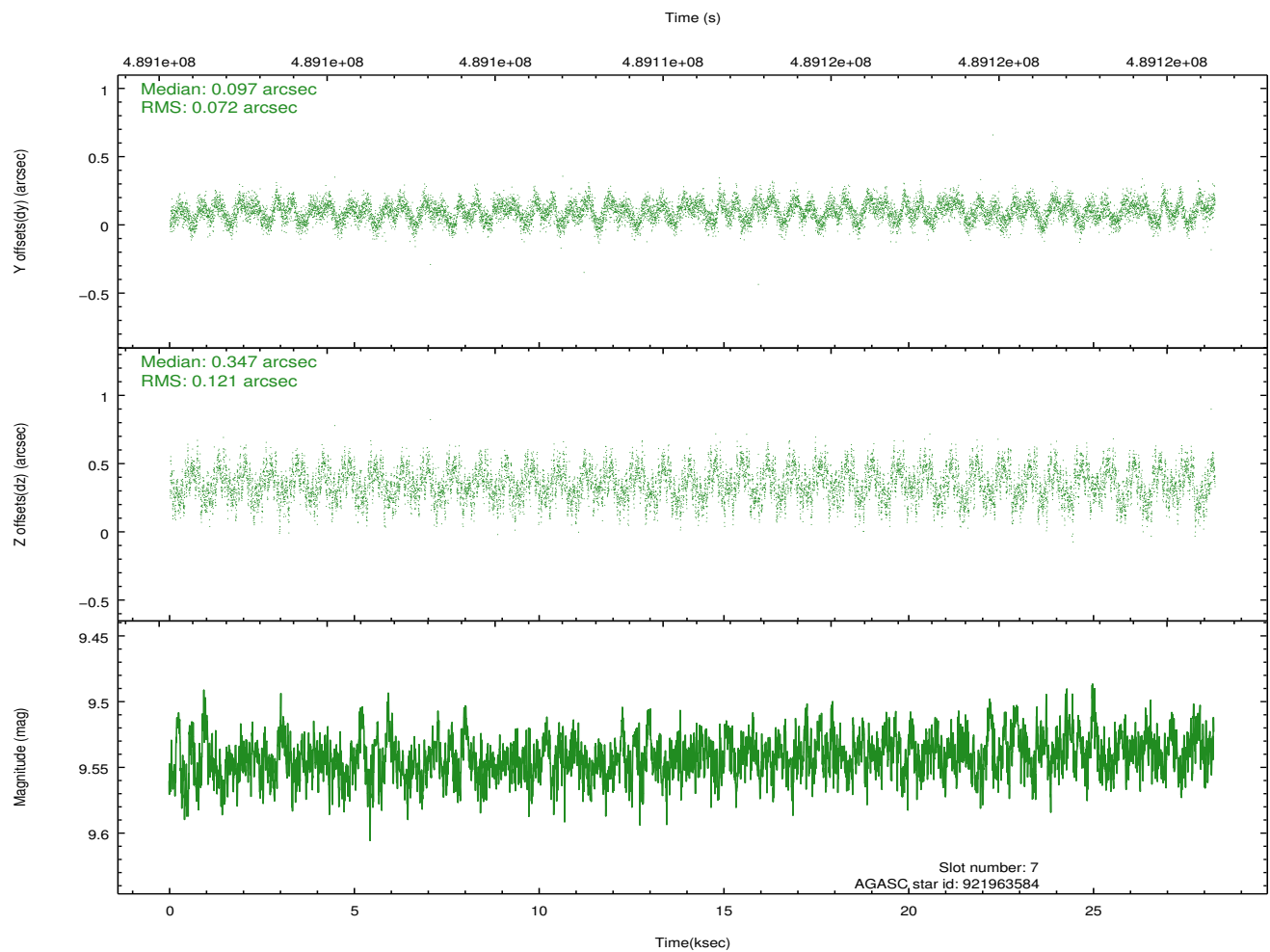
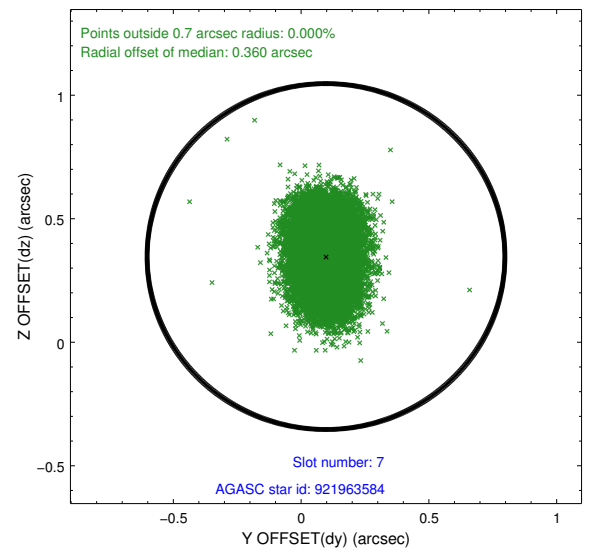
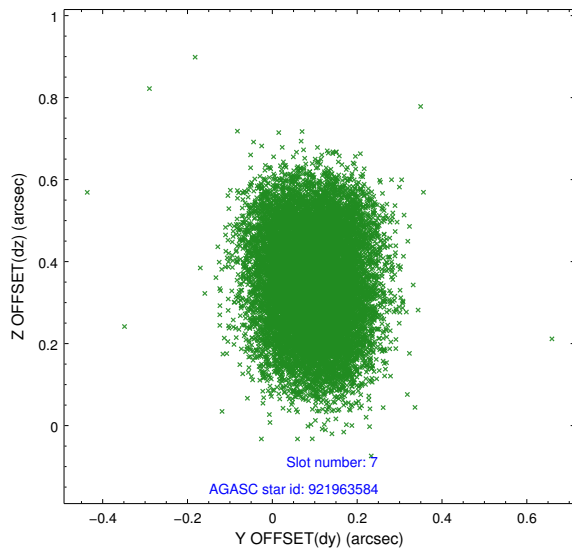
2.4.3 Slot 5



2.4.4 Slot 6

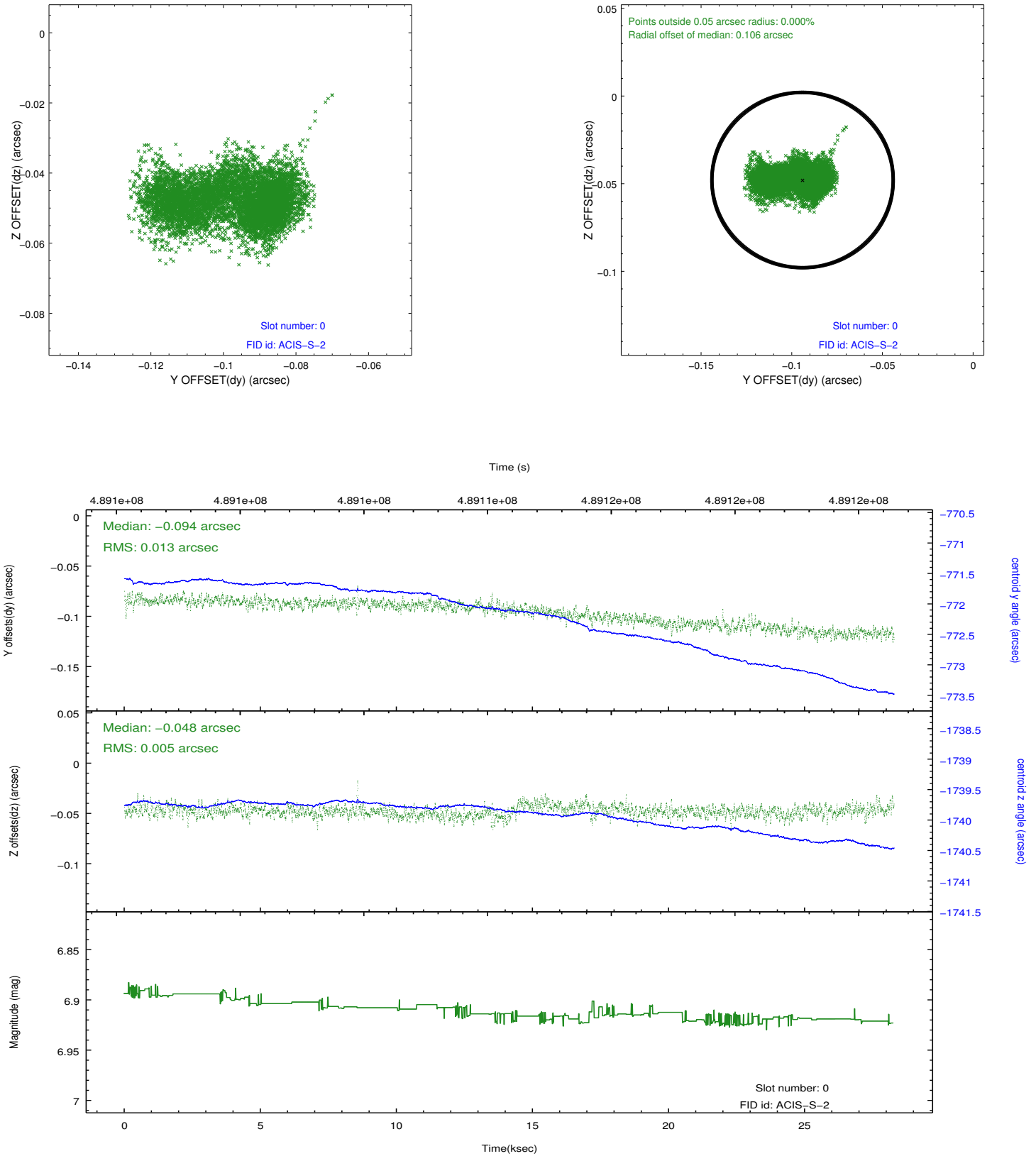


2.4.5 Slot 7

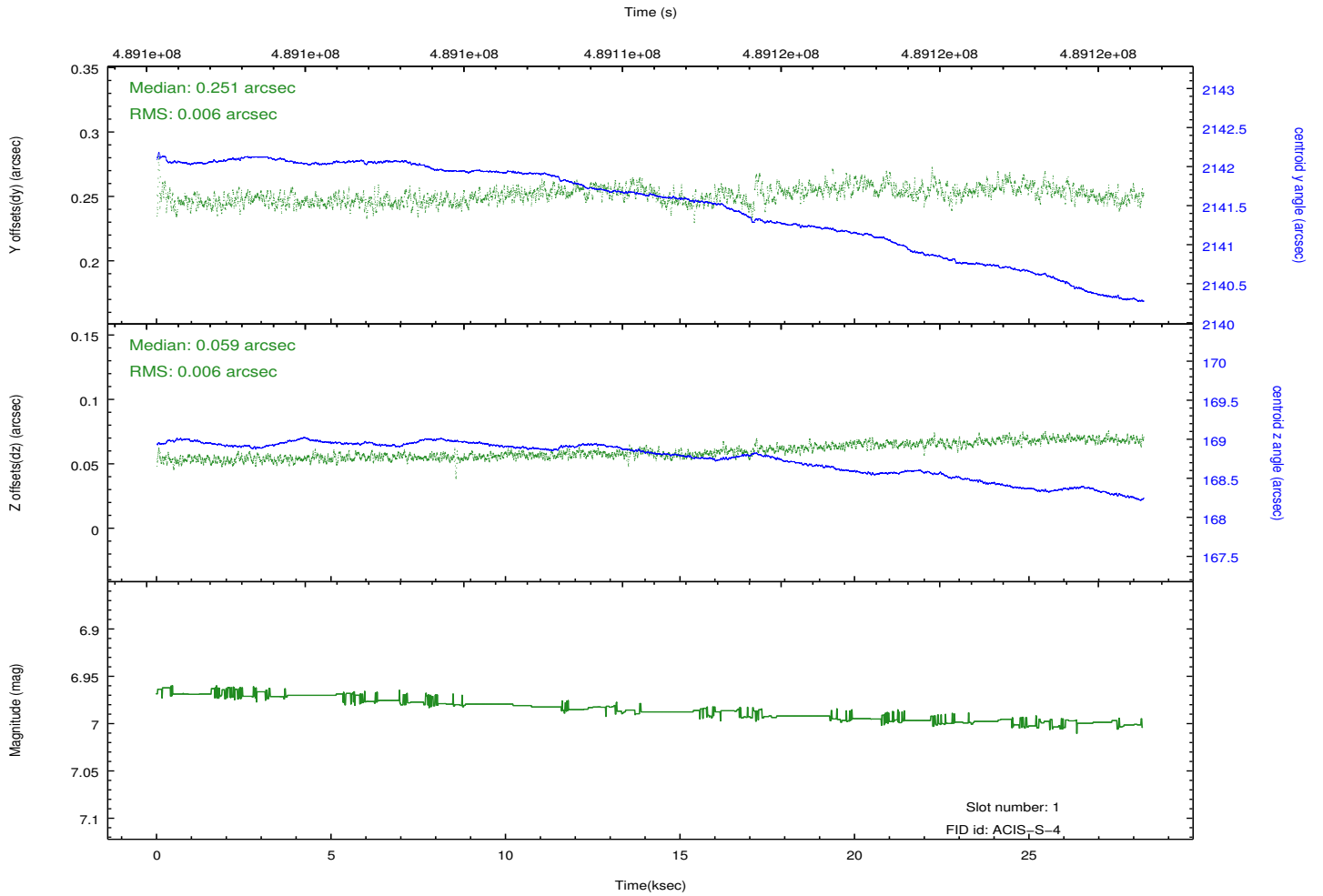
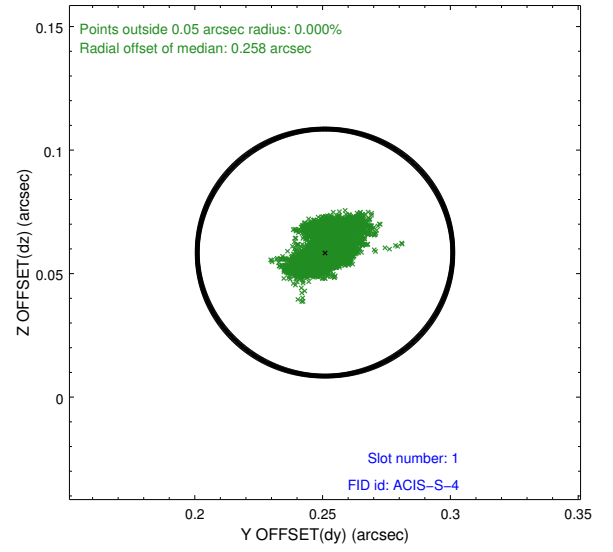
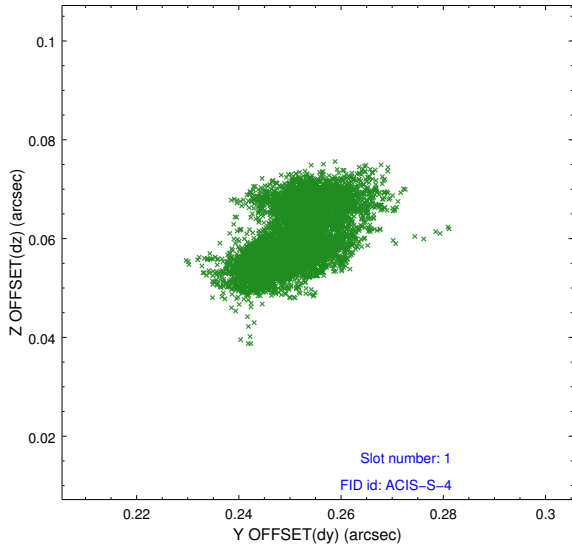


2.5 FID Slots

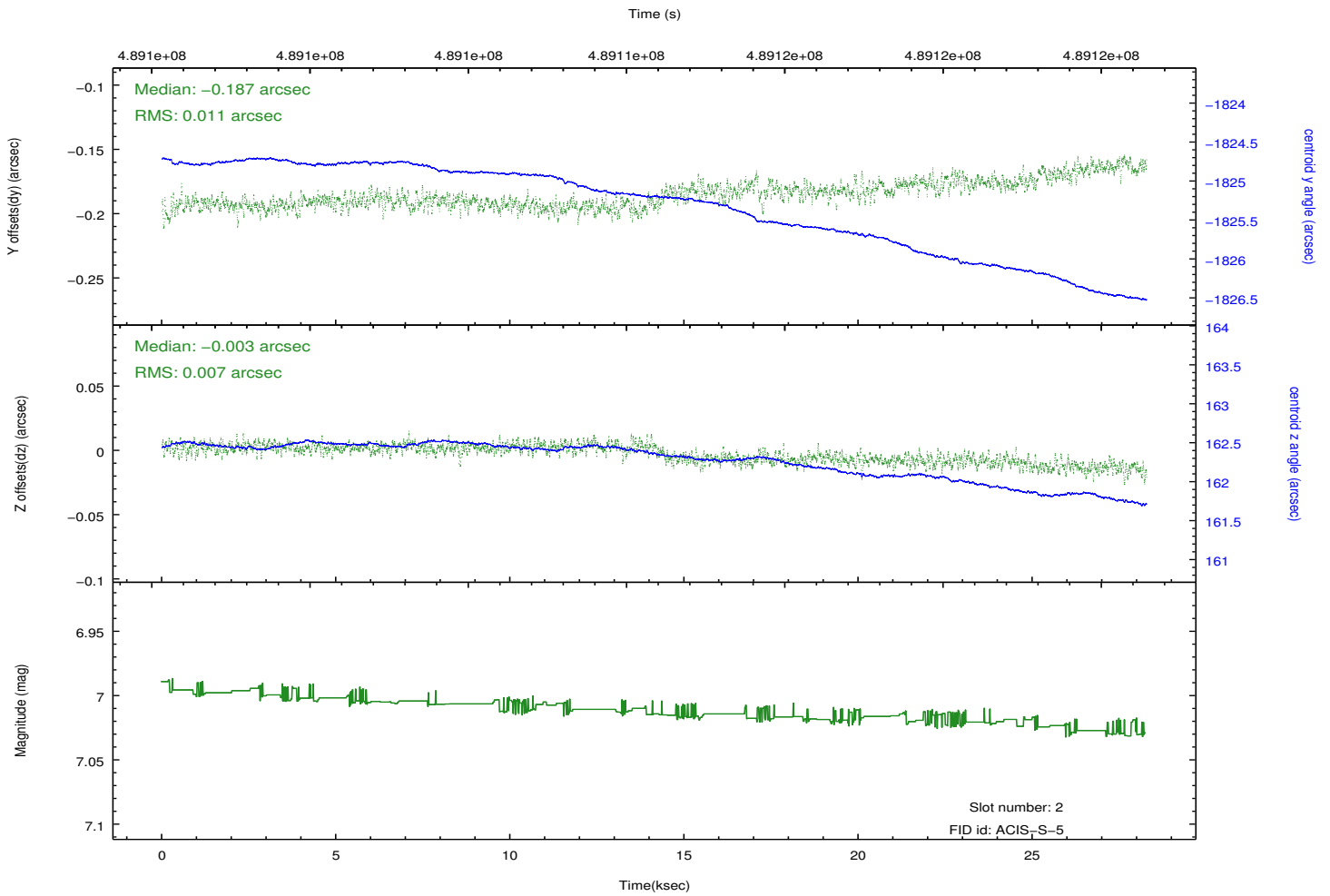
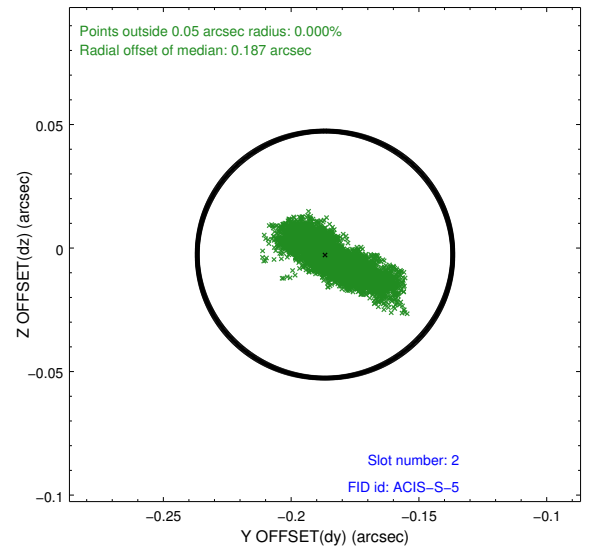
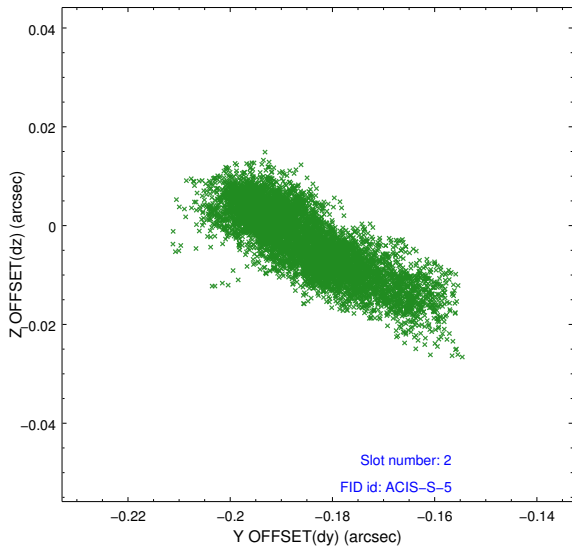
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.162497018993

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.