

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5529 - L2 Version 4
Chandra X-Ray Center

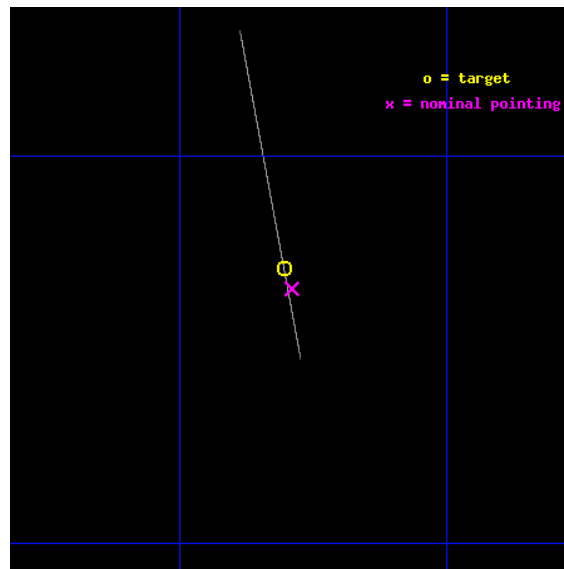
L2 Processing Date : Dec 26 2012

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1 Front

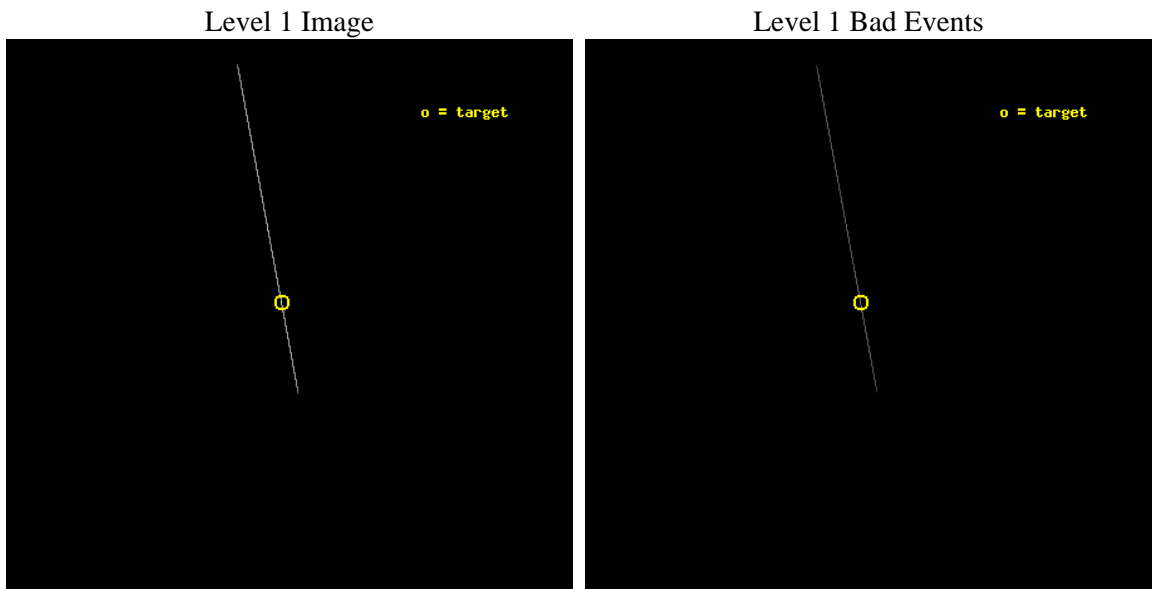
seq_num	500523	Sequence number
obs_id	5529	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.1975279113	Nominal RA [deg]
dec_nom	21.442849972808	Nominal Dec [deg]
roll_nom	259.35527070018	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5184.0	Sum of GTIs [s]
livetime	5163.75	Livetime [s]
ontime7	5184.0	Sum of GTIs [s]
l2events	28084	Number of level 2 events



2 OBI

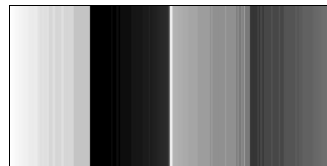
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5184.0	Sum of GTIs [s]
caldbver	4.5.5	 	ontime7	5184.0	Sum of GTIs [s]
date	2012-12-26T15:17:41	Date and time of file creation	l1events	34270	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

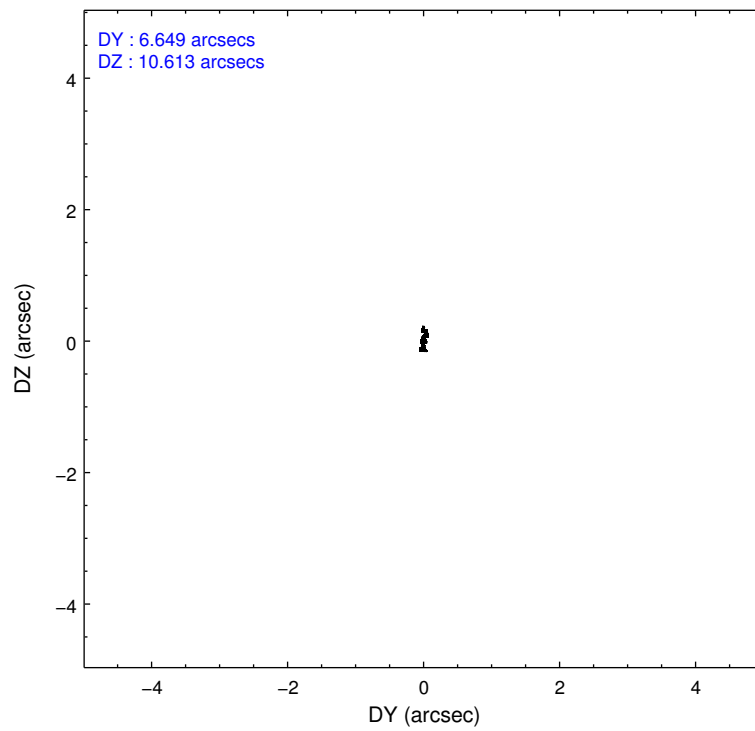
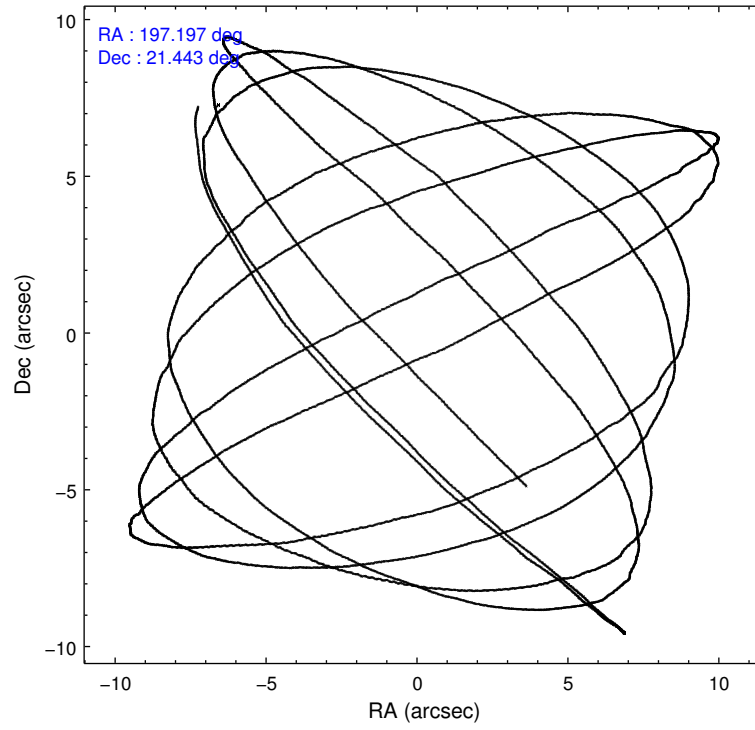
	ccd 7
level 1 events	34270
rejected events	5175
rejected %	15%

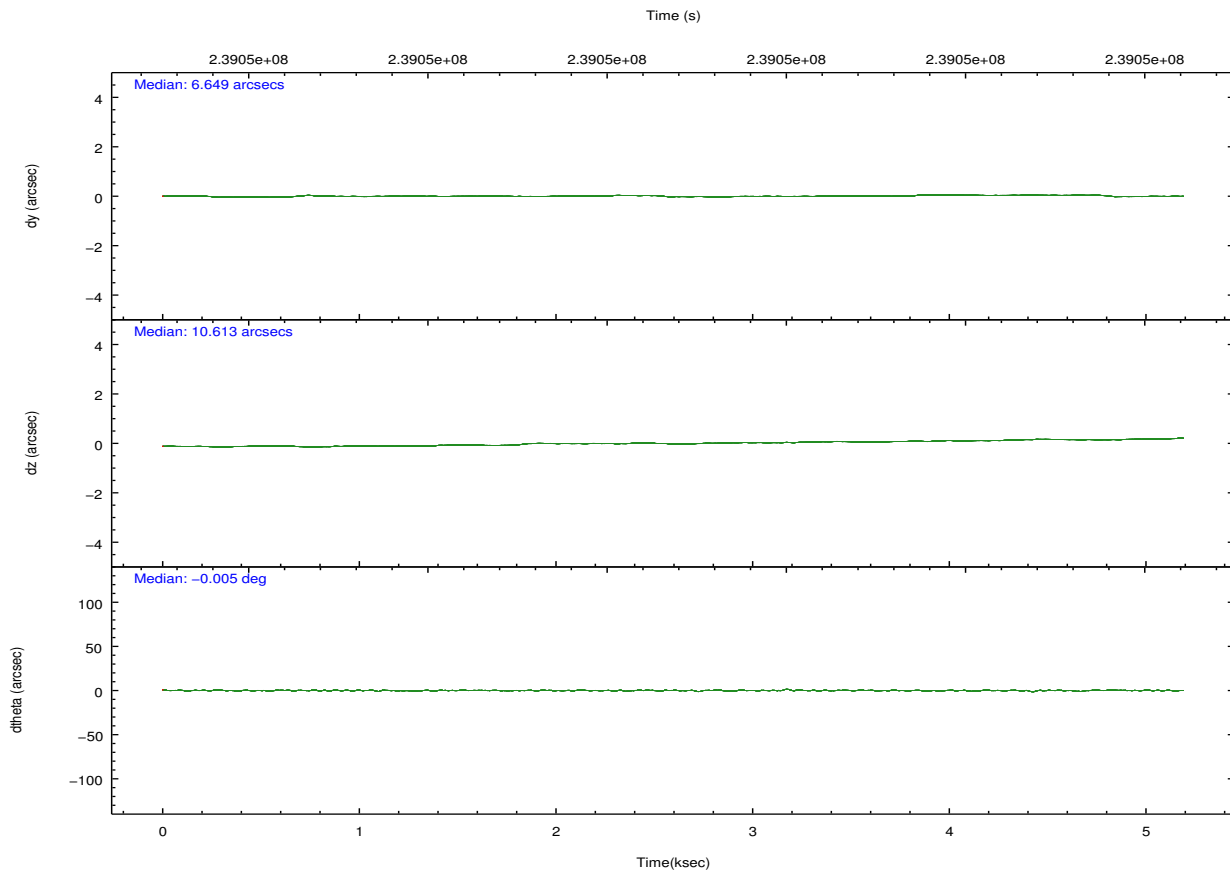
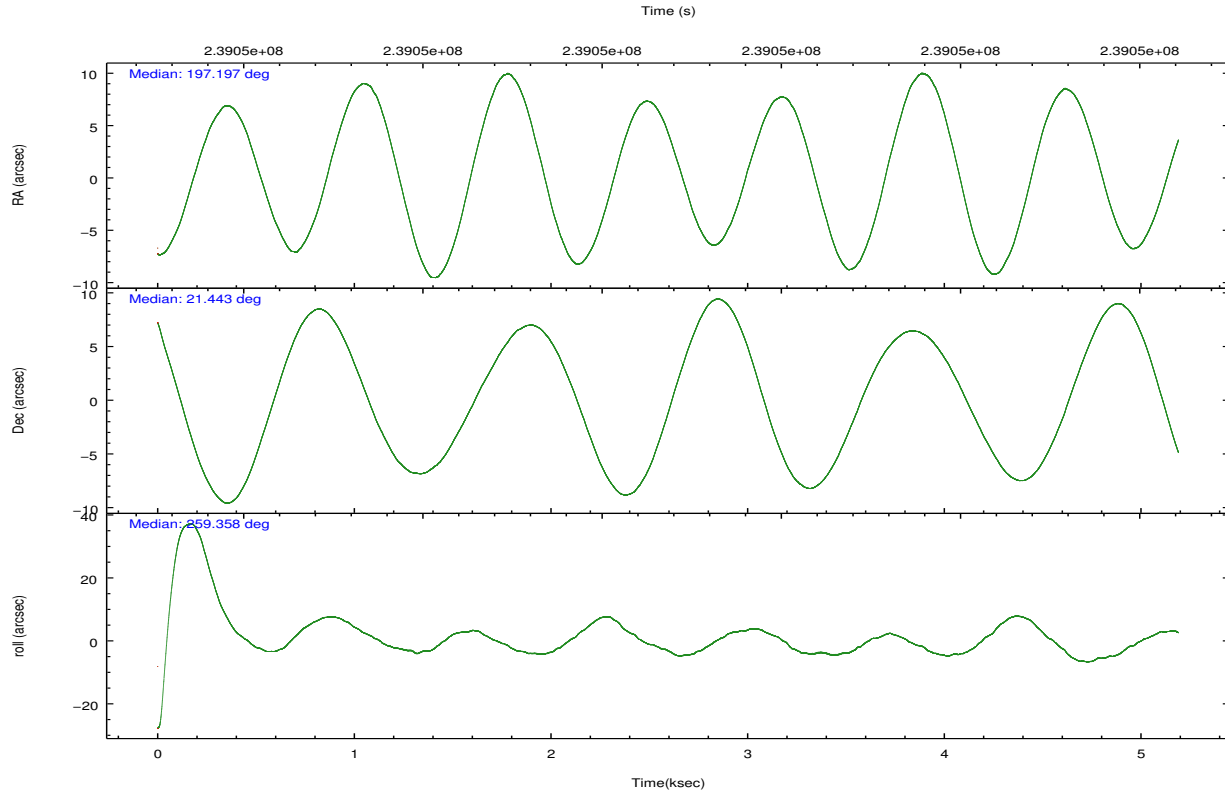
	ccd 7
grade 0 events	3995
	11%
grade 1 events	78
	0%
grade 2 events	7741
	22%
grade 3 events	2096
	6%
grade 4 events	2095
	6%
grade 5 events	4671
	13%
grade 6 events	13594
	39%
grade 7 events	0
	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.187502	197.1975279113045	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.468414	21.44284997280779	Alternating exposures requested	N	N
[deg] Pointing Roll	259.202510	259.3552707001843	[s] Primary exposure time	0.000000	0
[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)	239047966.184000	239047415.41064			
Observation start date	2005-07-29T18:11:42	2005-07-29T18:03:35			
[s] Observation end time (MET)	239052966.184000	239053871.37344			
Observation end date	2005-07-29T19:35:02	2005-07-29T19:51:11			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



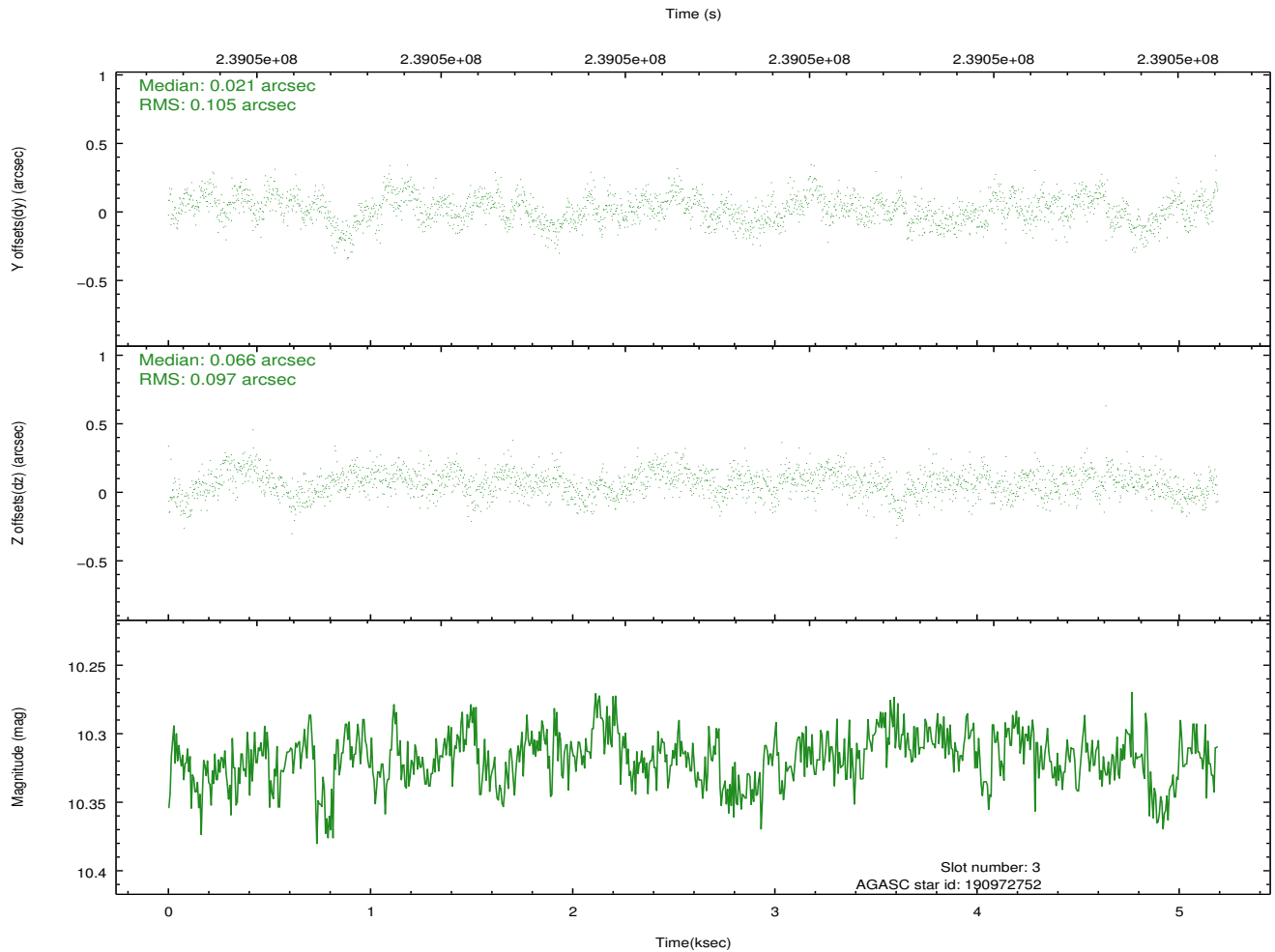
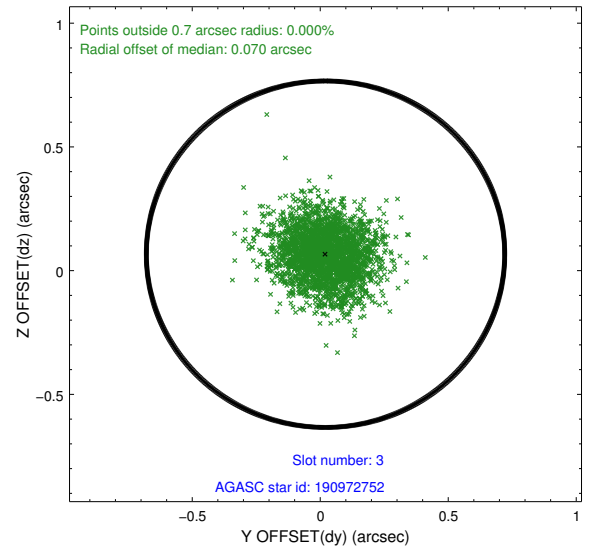
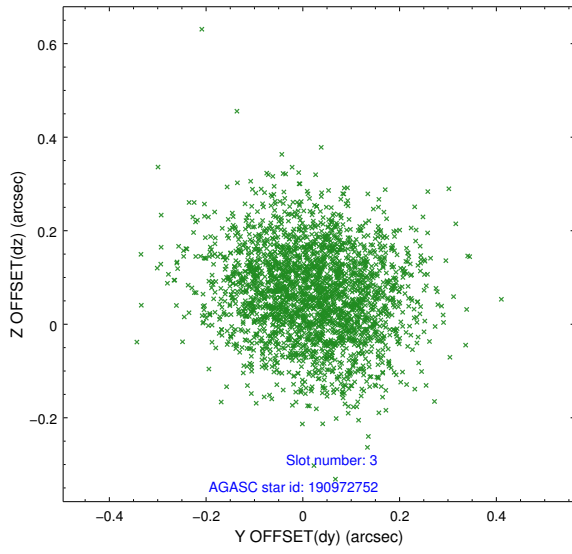


Slot Statistics

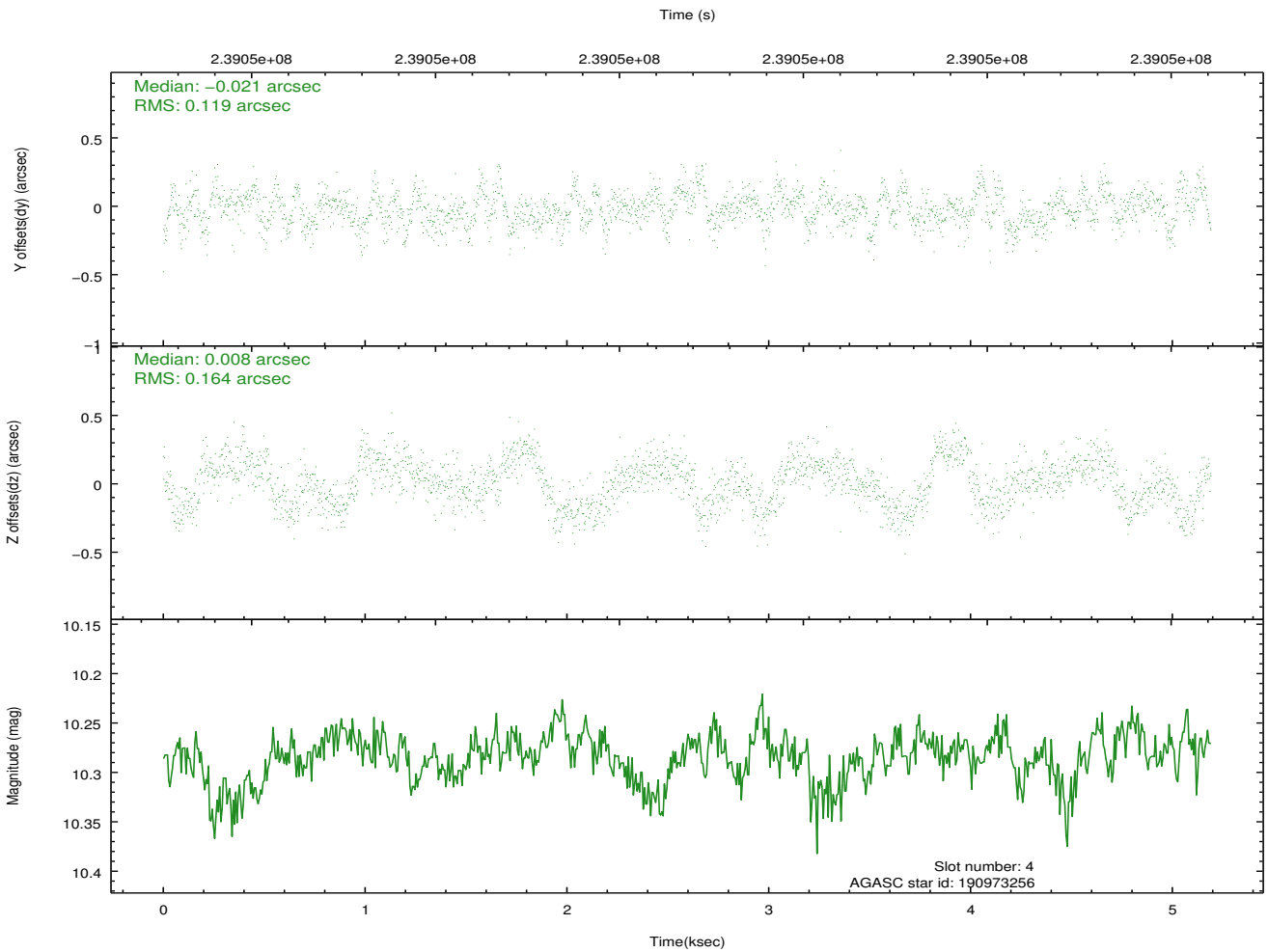
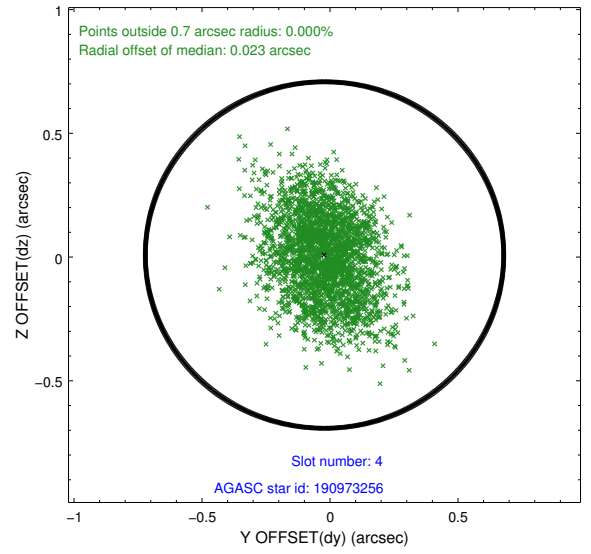
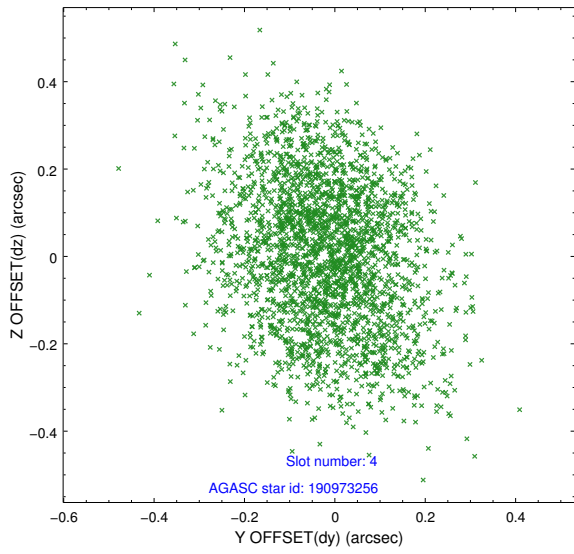
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1267	-0.061	-0.014	0.007	0.011	0.000000	0.000000	-759.42	-1731.91
1	FID	ACIS-S-4	7.21	1267	0.092	0.033	0.006	0.010	0.000000	0.000000	2153.44	175.47
2	FID	ACIS-S-5	7.23	1267	-0.062	-0.010	0.006	0.011	0.000000	0.000000	-1810.80	170.35
3	GUIDE	190972752	10.32	2528	0.021	0.066	0.150	0.242	197.567107	21.351082	174.77	1329.22
4	GUIDE	190973256	10.28	2527	-0.021	0.008	0.219	0.345	198.013696	21.966947	-2287.13	2373.04
5	GUIDE	190973928	9.86	2527	0.054	-0.023	0.147	0.229	197.904188	21.564389	-795.38	2292.07
6	GUIDE	190974376	6.79	2532	-0.206	0.026	0.082	0.136	197.884749	21.918670	-2034.22	1984.12
7	GUIDE	190979840	10.35	2529	0.157	-0.059	0.165	0.311	197.337465	20.846267	2104.53	916.24

2.4 Star Slots

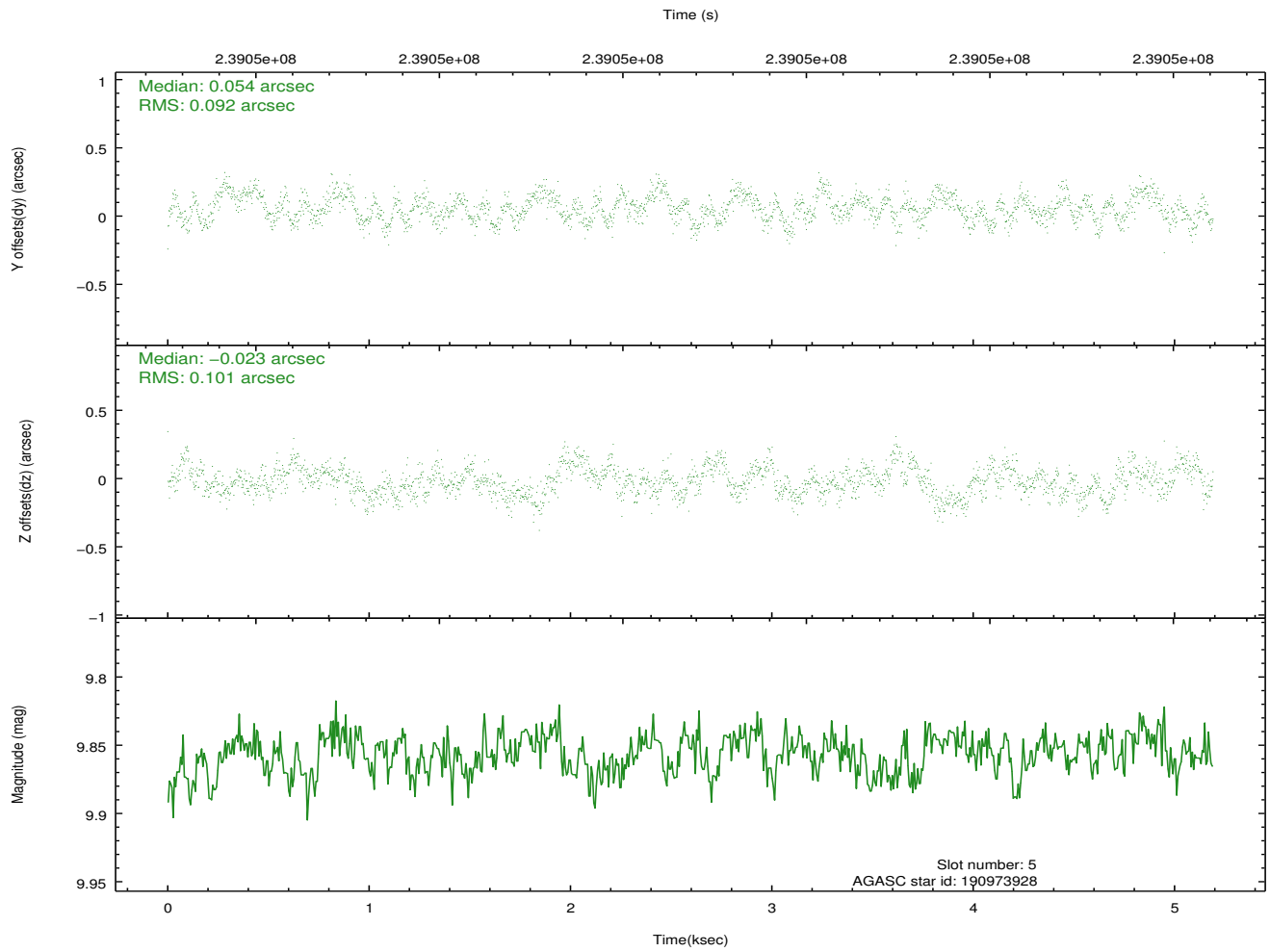
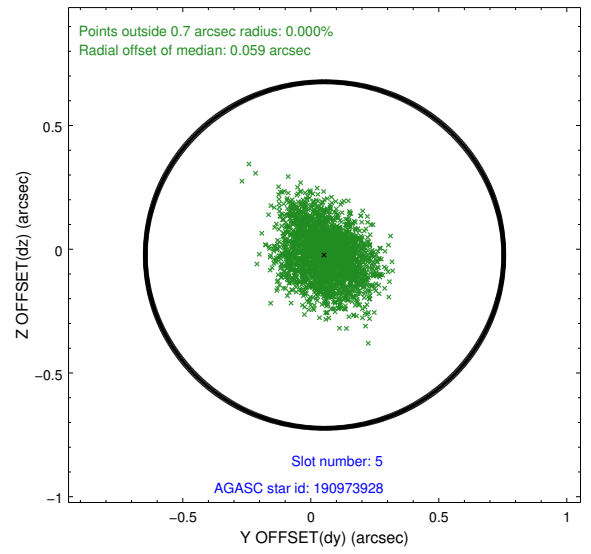
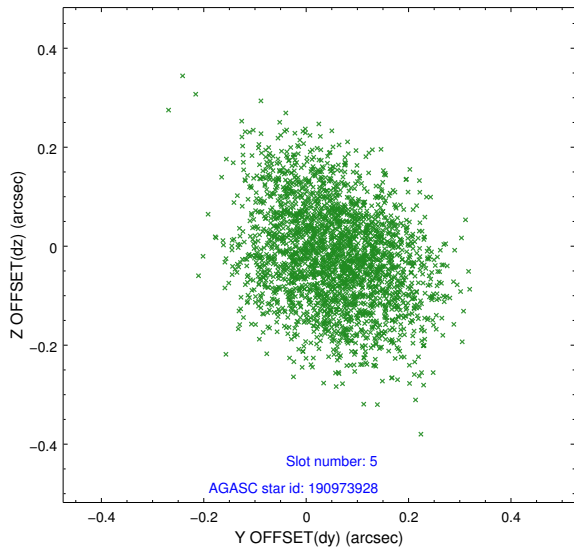
2.4.1 Slot 3



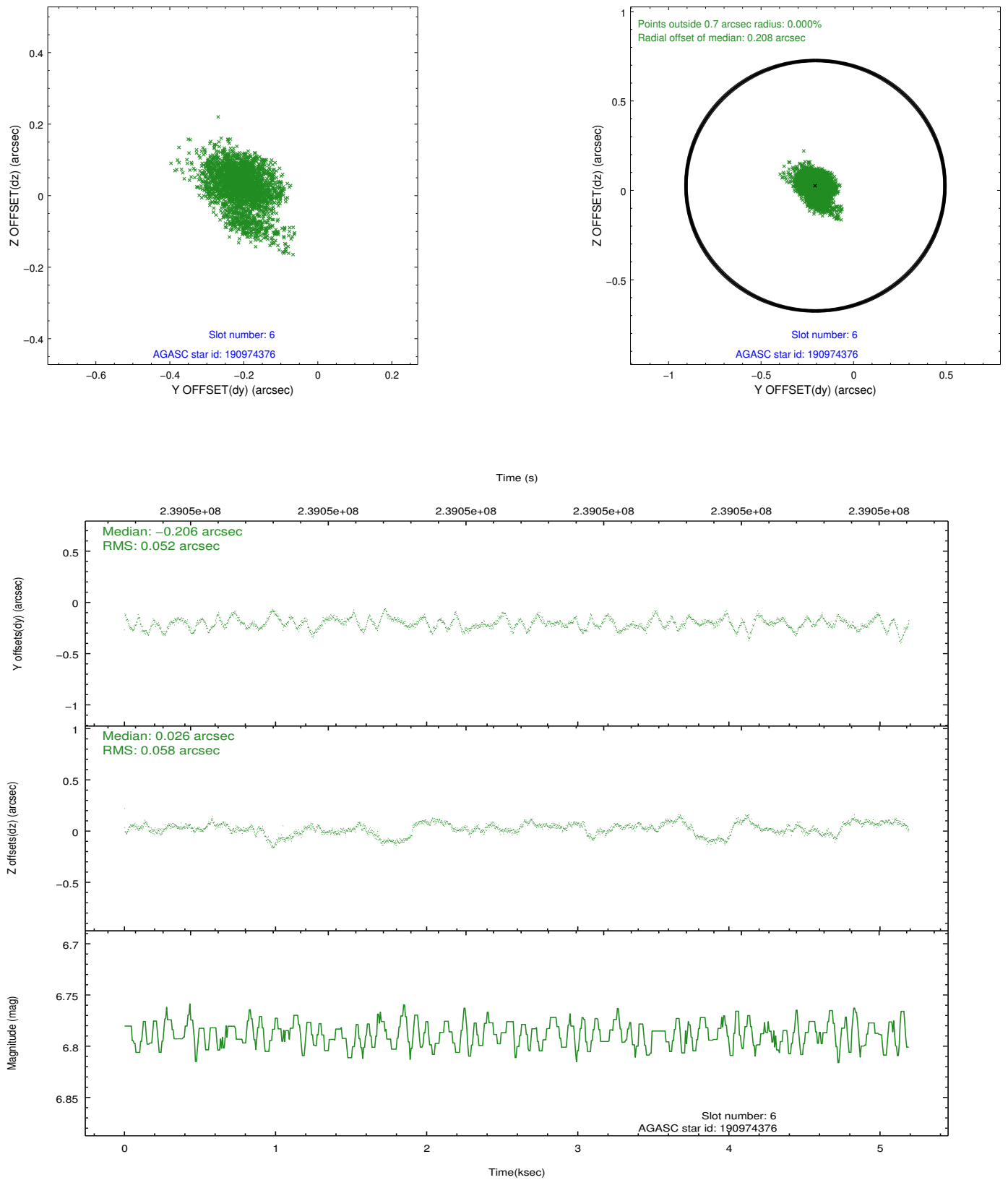
2.4.2 Slot 4



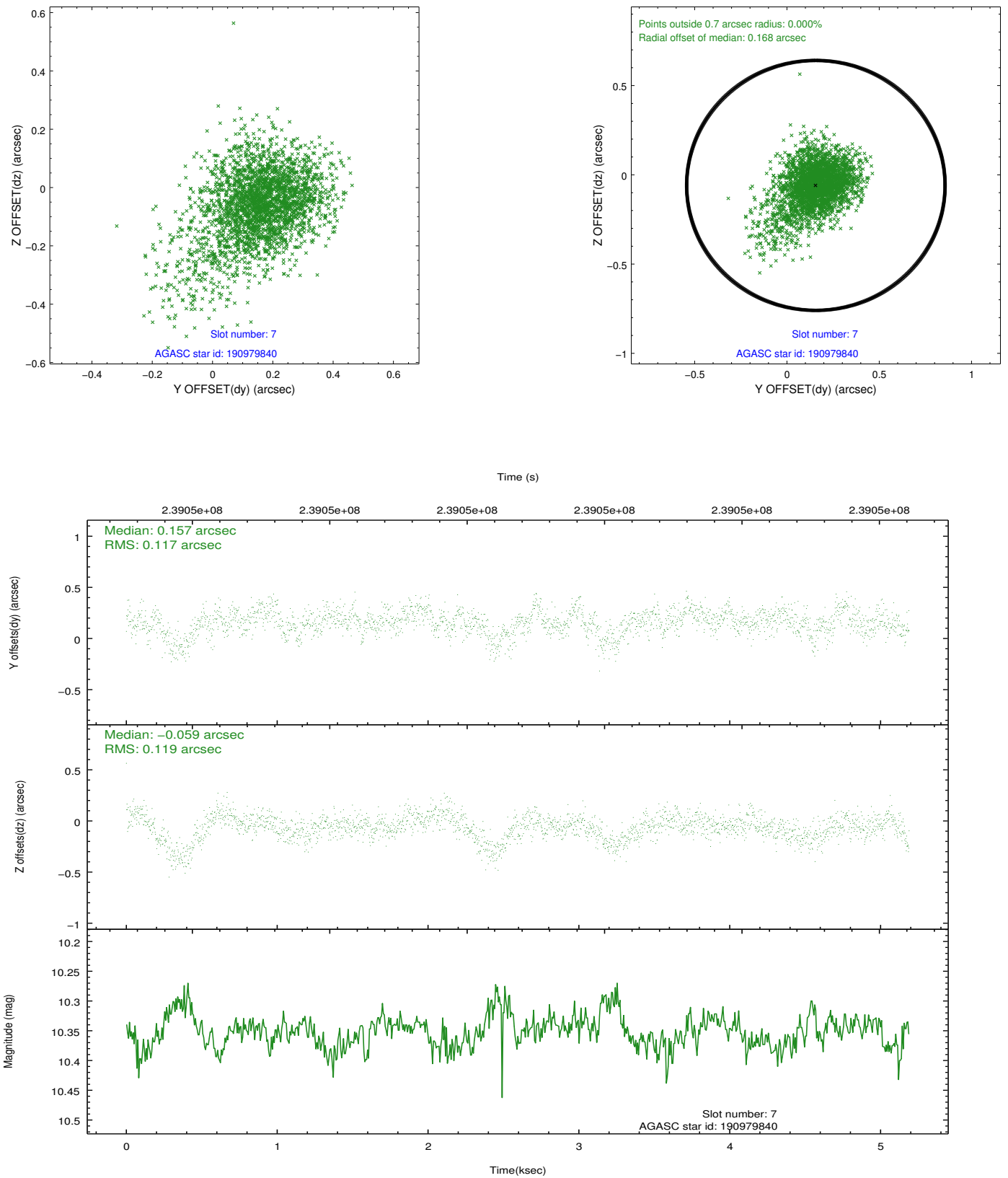
2.4.3 Slot 5



2.4.4 Slot 6

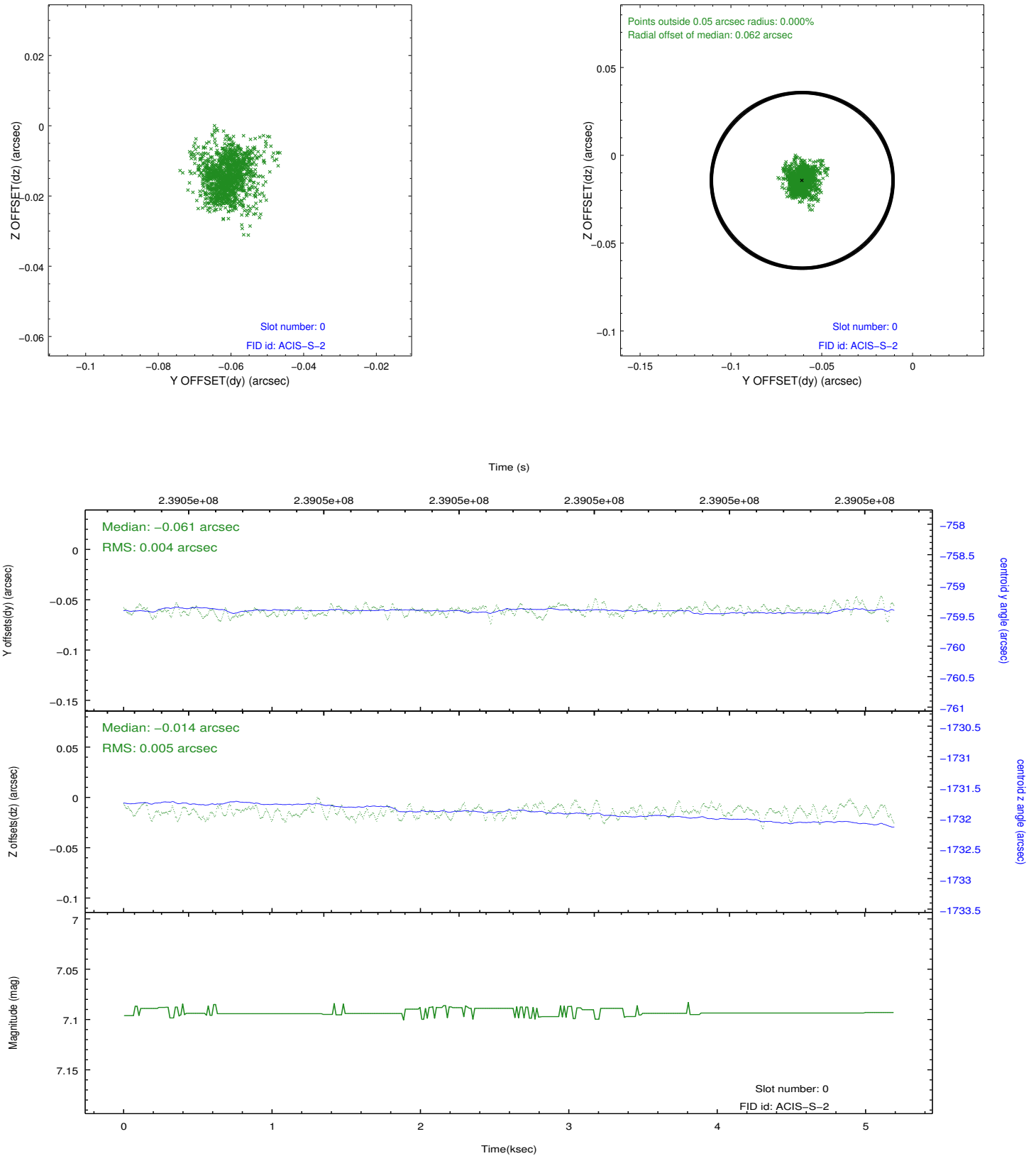


2.4.5 Slot 7

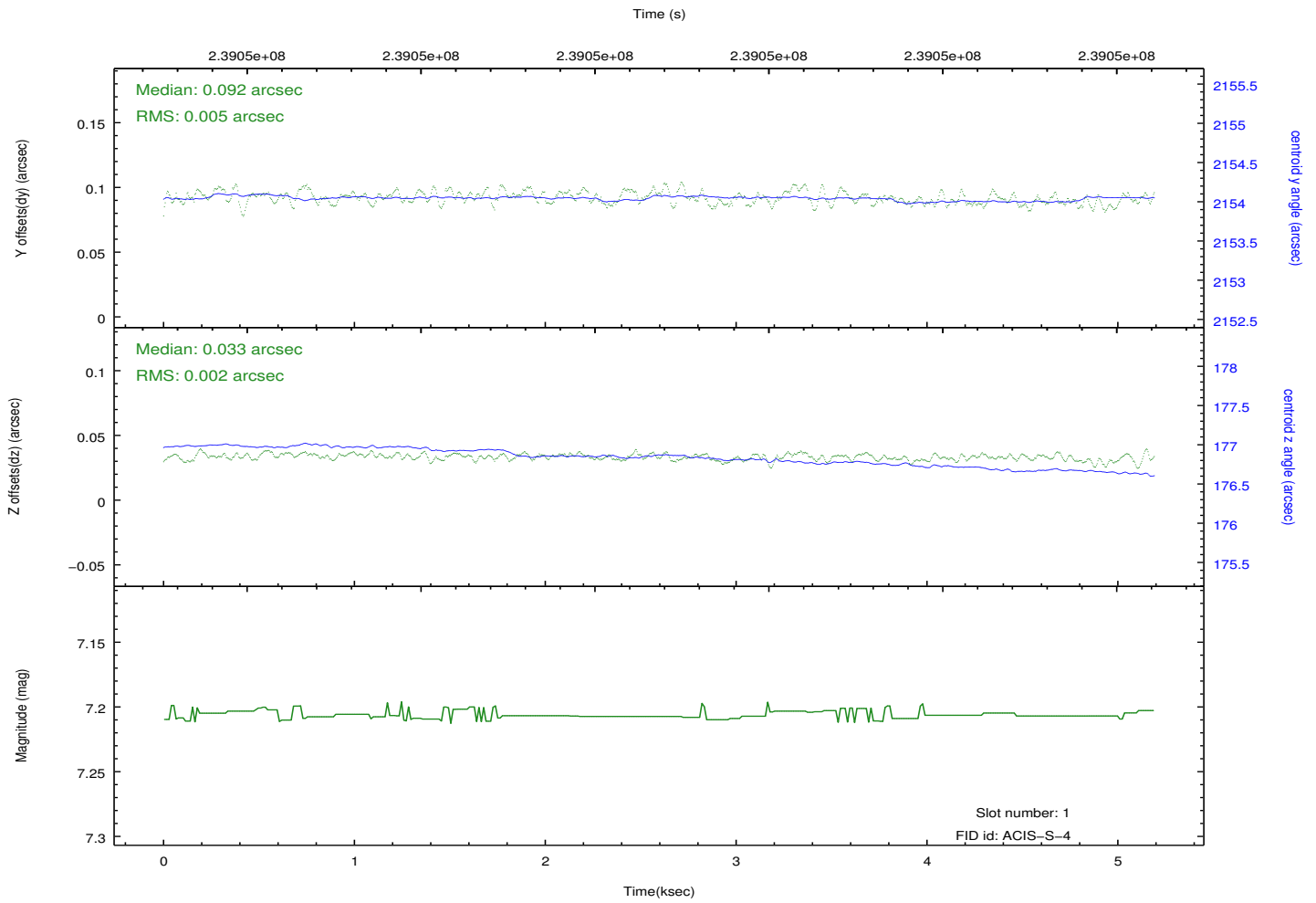
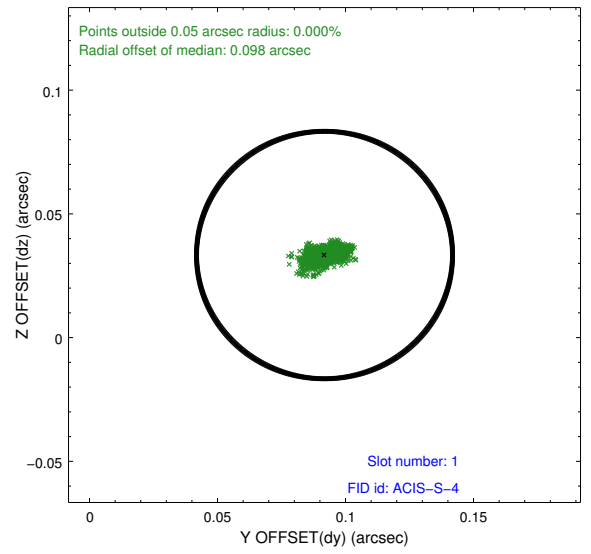
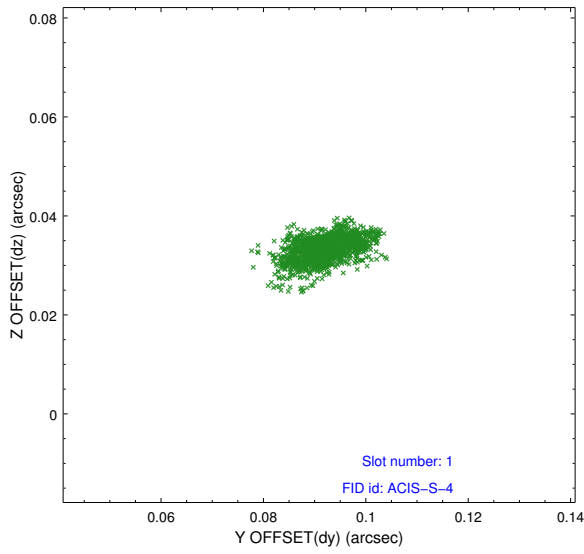


2.5 FID Slots

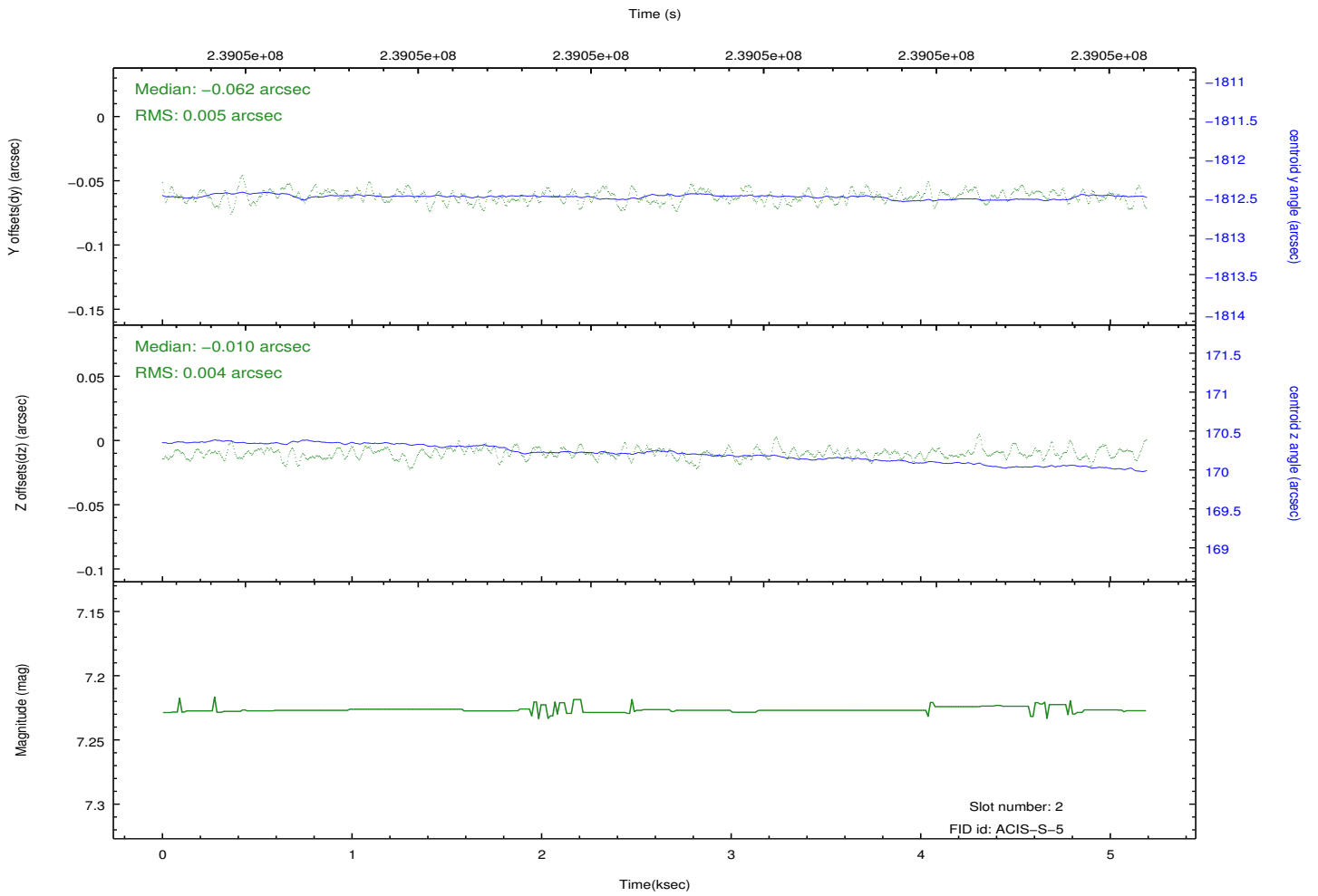
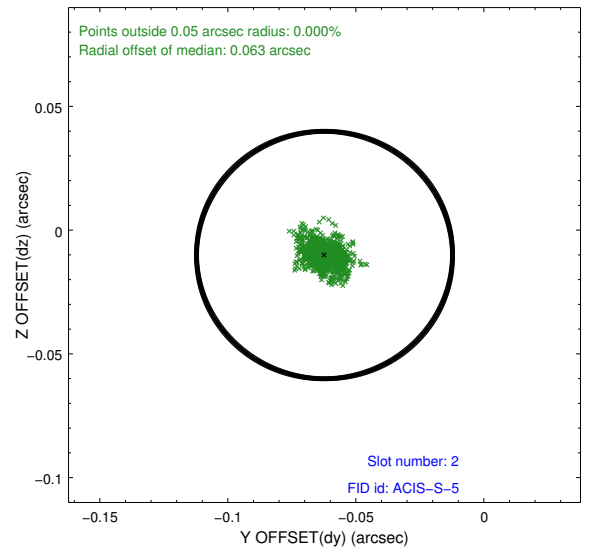
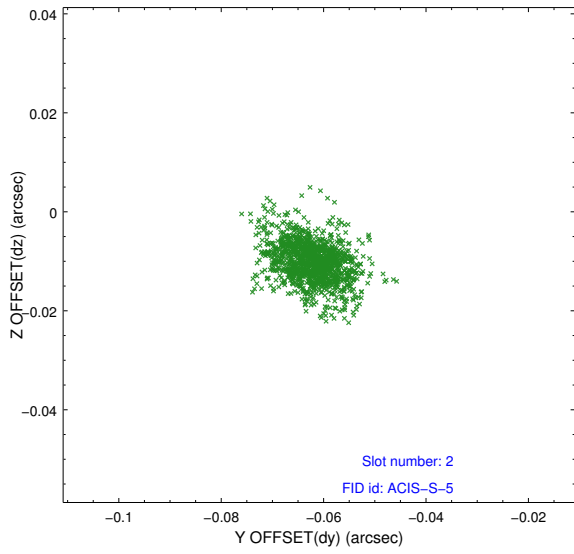
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.184

A.2 Comments