

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23177 - L2 Version 1
Chandra X-Ray Center

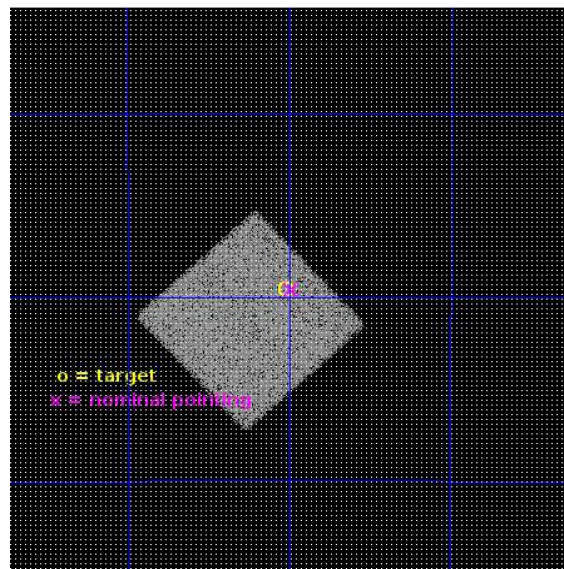
L2 Processing Date : Feb 26 2020

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1 Front

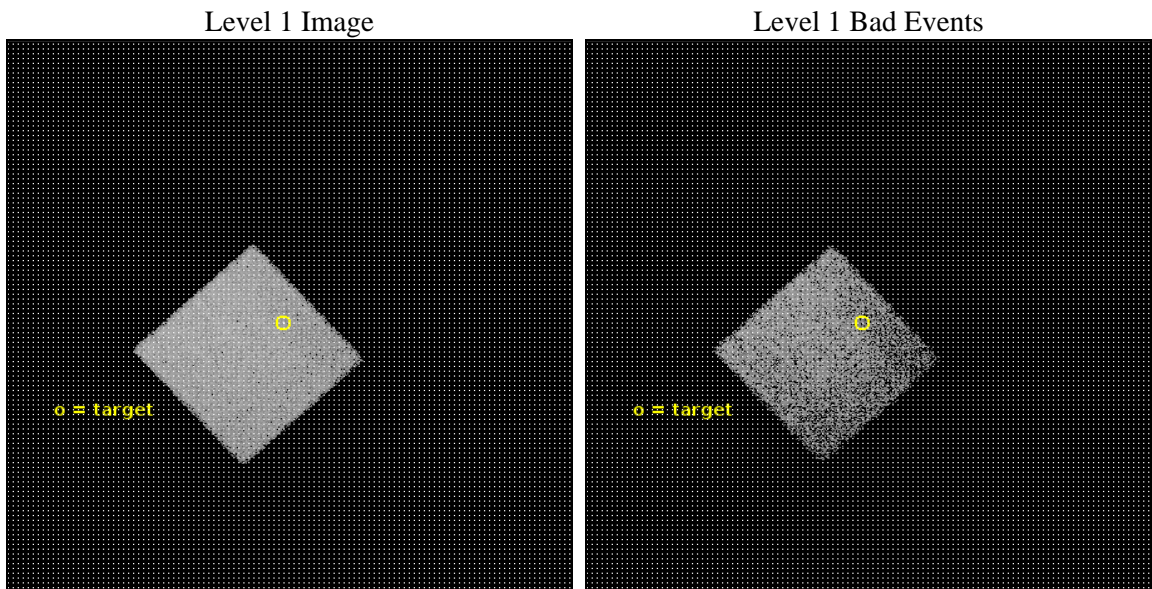
seq_num	704043	Sequence number
obs_id	23177	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	LEDA64440	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	304.505402	Observer's specified target RA [deg]
dec_targ	-55.658749	Observer's specified target Dec [deg]
ra_nom	304.49666218869	Nominal RA [deg]
dec_nom	-55.659784817123	Nominal Dec [deg]
roll_nom	137.44350847467	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10091.379765034	Sum of GTIs [s]
livetime	9955.1927285078	Livetime [s]
ontime7	10091.379765034	Sum of GTIs [s]
l2events	42283	Number of level 2 events



2 OBI

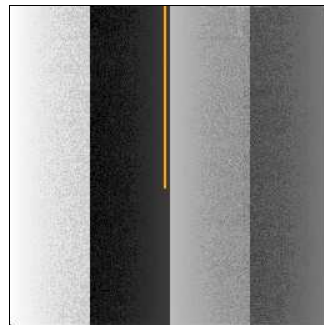
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	10091.379765034	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	10091.379765034	Sum of GTIs [s]
date	2020-02-26T05:12:24	Date and time of file creation	l1events	101176	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

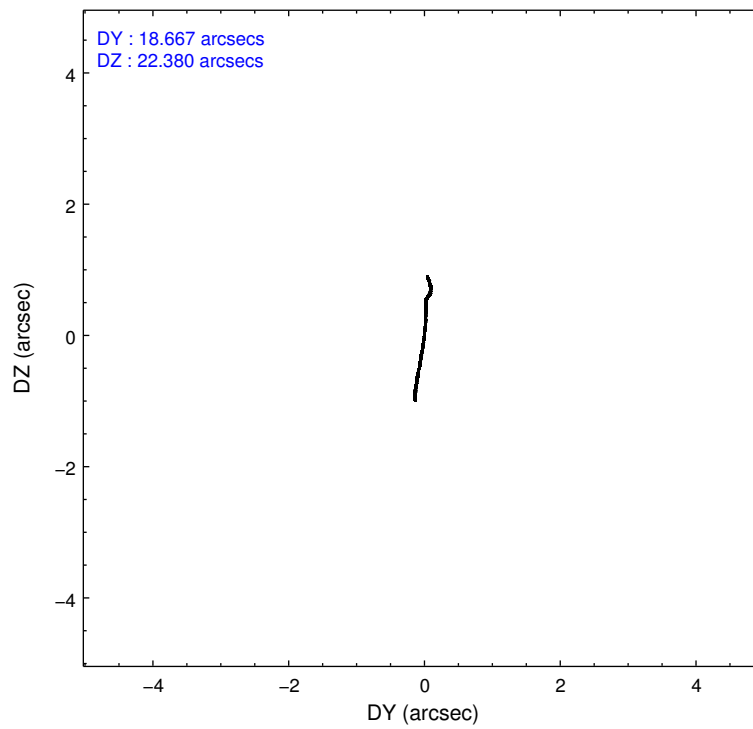
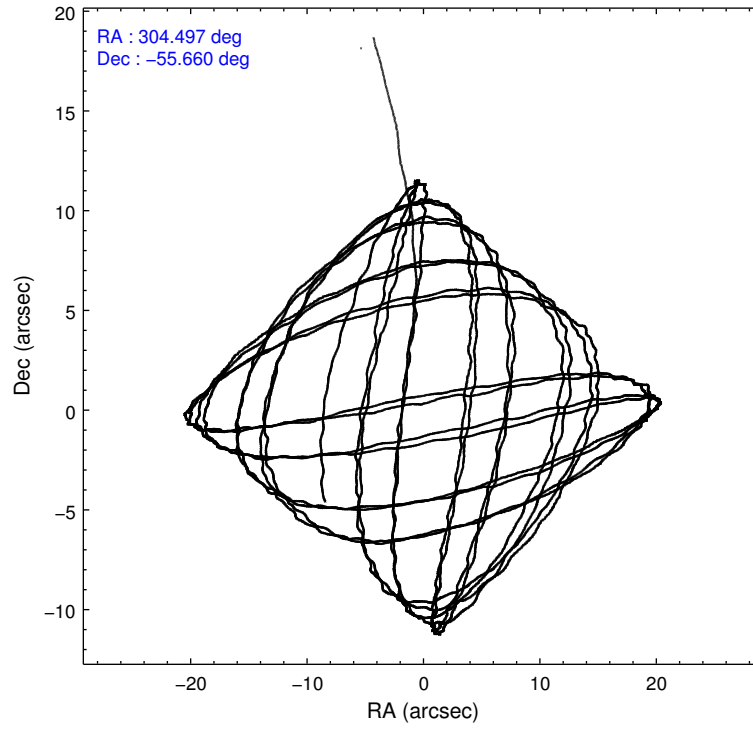
	ccd 7
level 1 events	101176
rejected events	57658
rejected %	56%

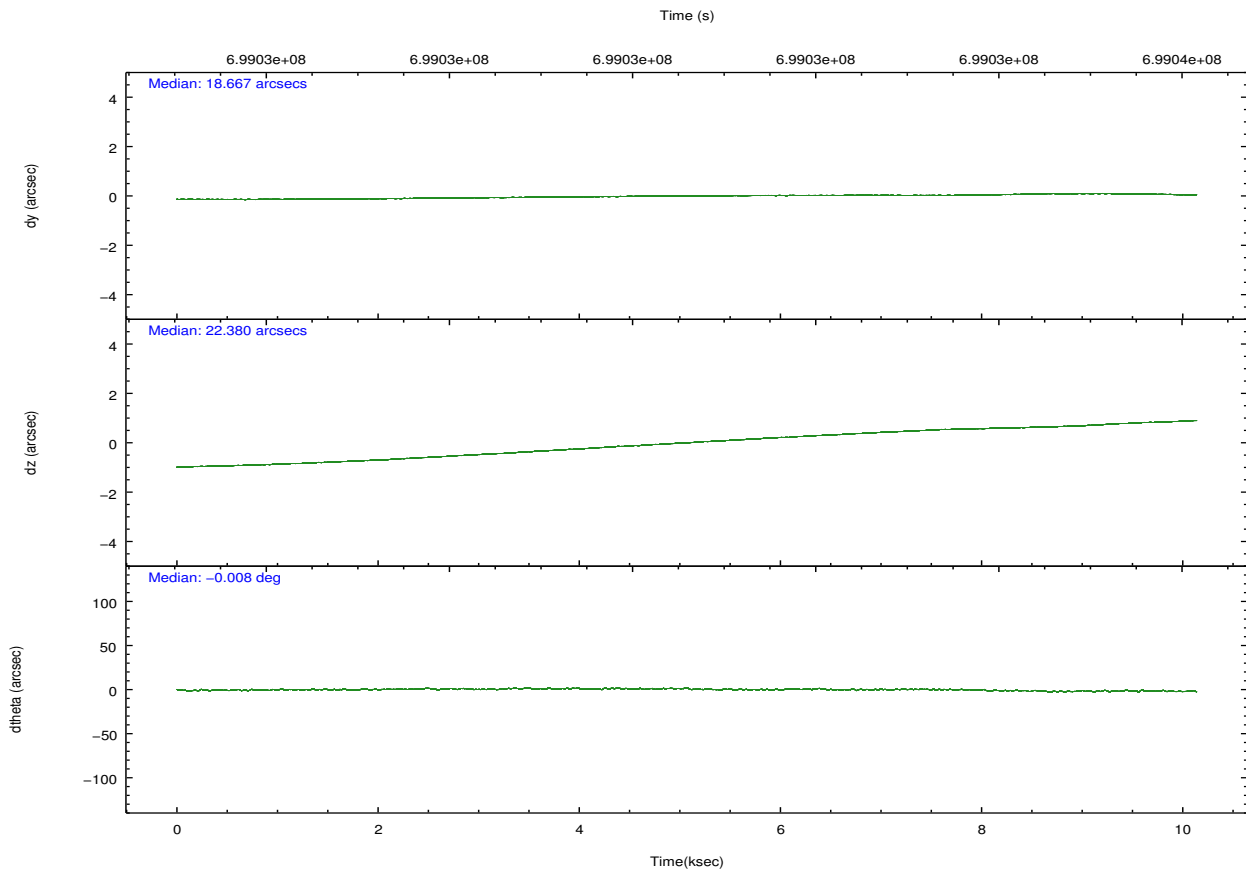
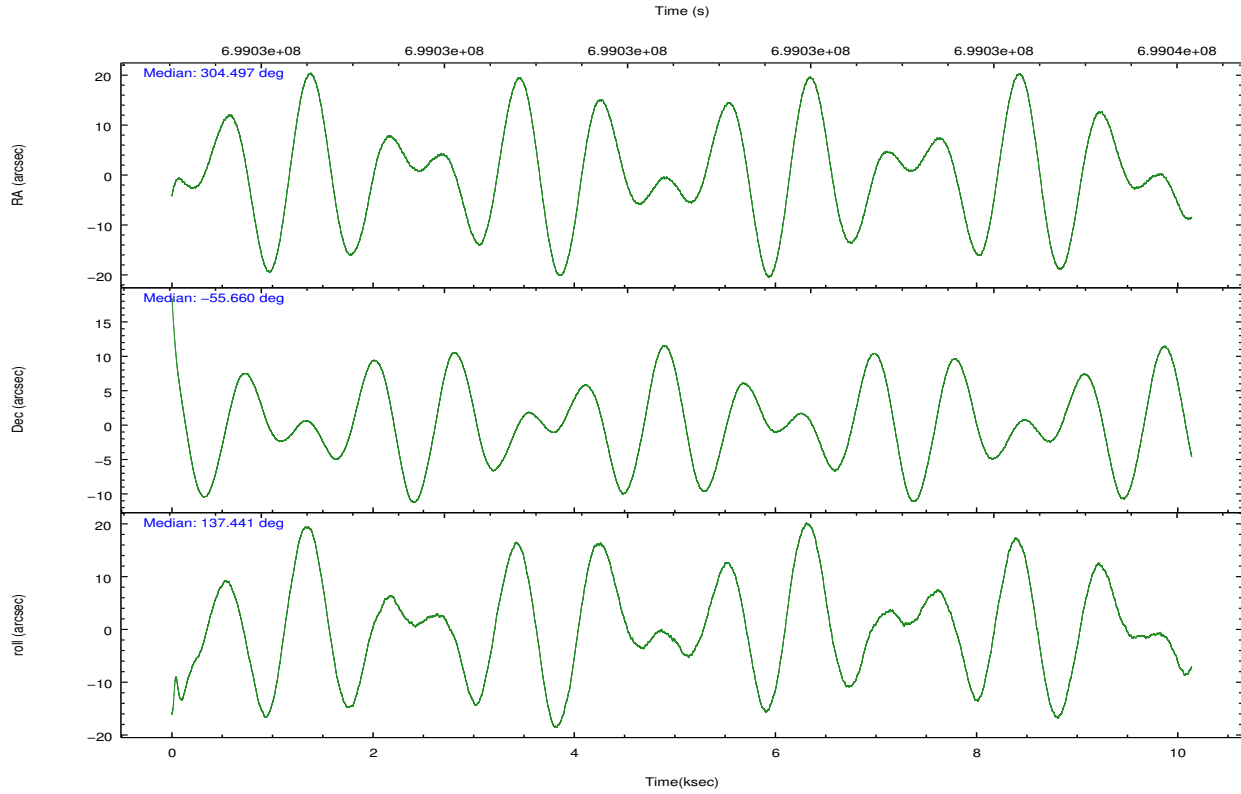
	ccd 7
grade 0 events	3632
	3%
grade 1 events	160
	0%
grade 2 events	9025
	8%
grade 3 events	3258
	3%
grade 4 events	3247
	3%
grade 5 events	9378
	9%
grade 6 events	24397
	24%
grade 7 events	48079
	47%

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	304.544321	304.4966621886912	Subarray requested	NONE	NONE
[deg] Pointing Dec	-55.665404	-55.65978481712339	Alternating exposures requested	N	N
[deg] Pointing Roll	137.326238	137.4435084746654	[s] Primary exposure time	0.000000	3
[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)	699025643.184000	699024434.59603			
Observation start date	2020-02-25T13:46:14	2020-02-25T13:27:14			
[s] Observation end time (MET)	699035643.184000	699036828.38428			
Observation end date	2020-02-25T16:32:54	2020-02-25T16:53:48			
Read mode	TIMED	TIMED			

2.3 Aspect





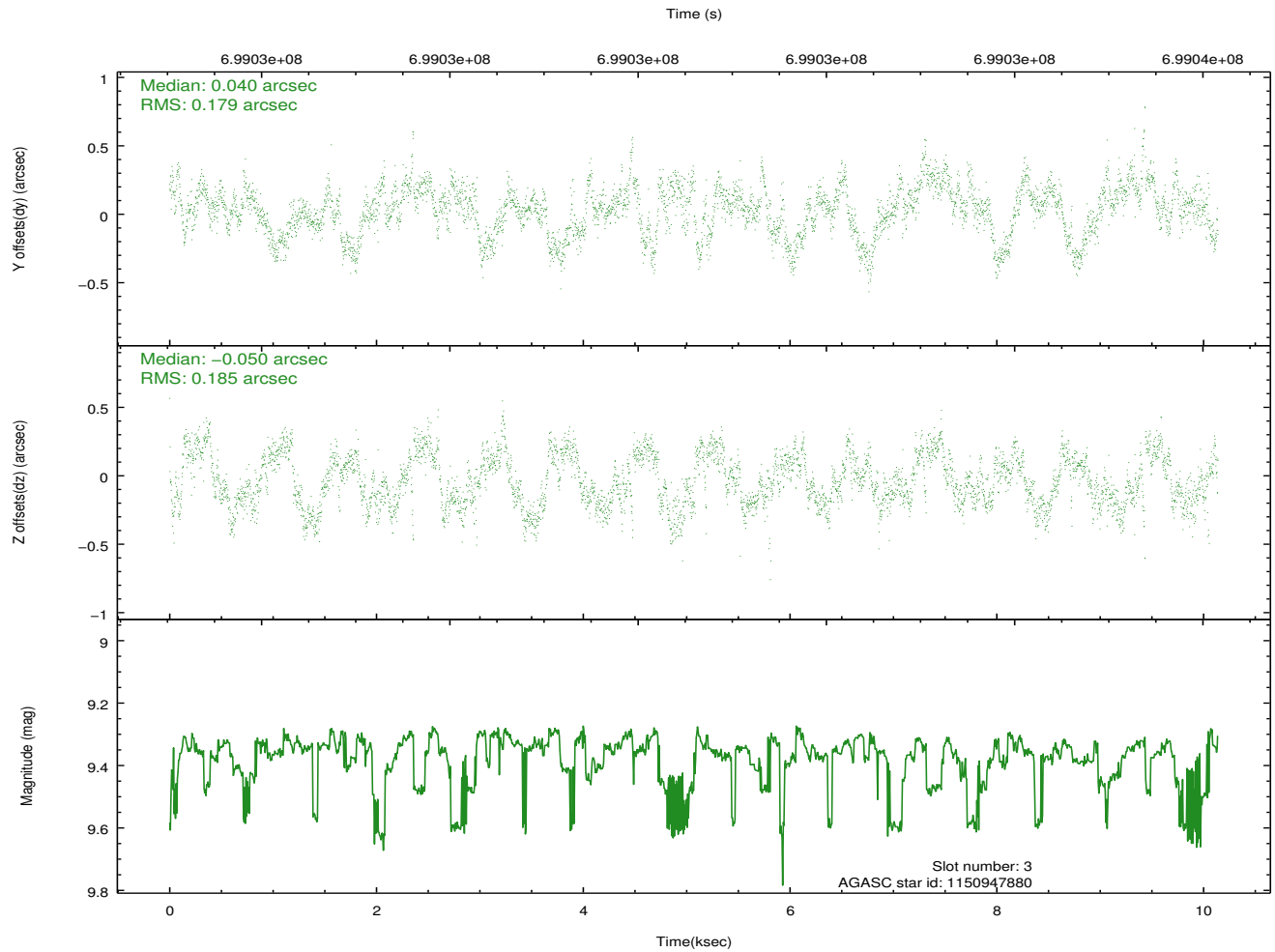
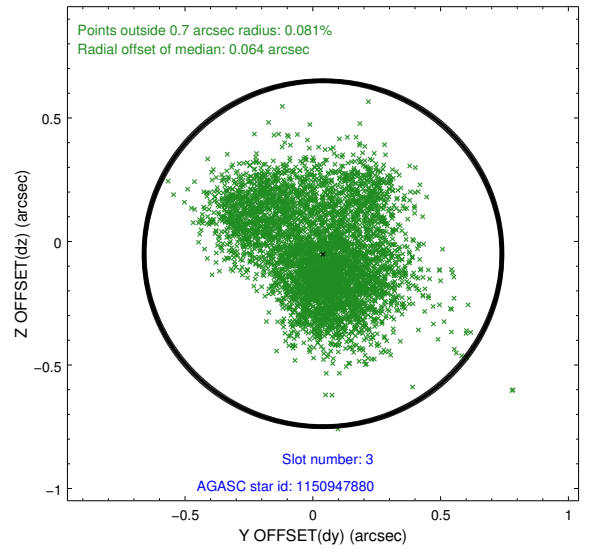
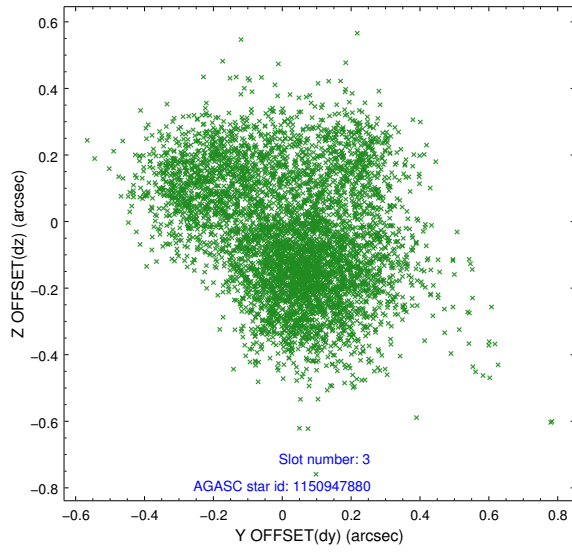
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-1	7.22	2473	1.000	0.243	-0.105	0.039	0.056	0.000000	0.000000	924.65	-1739
1	FID		ACIS-S-5	7.22	2473	1.000	-0.558	0.102	0.013	0.025	0.000000	0.000000	-1824.95	157
2	FID		ACIS-S-6	7.41	2473	1.000	0.295	0.013	0.025	0.056	0.000000	0.000000	389.57	802
3	GUIDE	used	1150947880	9.36	4931	1.000	0.040	-0.050	0.282	0.424	304.530456	-55.227653	1089.32	-1139
4	GUIDE	used	1150949504	8.93	4939	1.000	-0.058	0.230	0.327	0.504	304.707915	-55.066938	1212.54	-1812
5	GUIDE	used	1150952328	9.11	4942	1.000	0.397	0.599	0.320	0.445	305.204892	-55.523084	-645.86	-1284
6	GUIDE	used	1151479656	8.50	4940	1.000	0.124	-0.071	0.185	0.325	304.794600	-56.337652	-2008.72	1441
7	GUIDE	used	1150955448	9.18	4932	1.000	-0.475	-0.690	0.163	0.254	303.793219	-55.698153	1034.14	1125

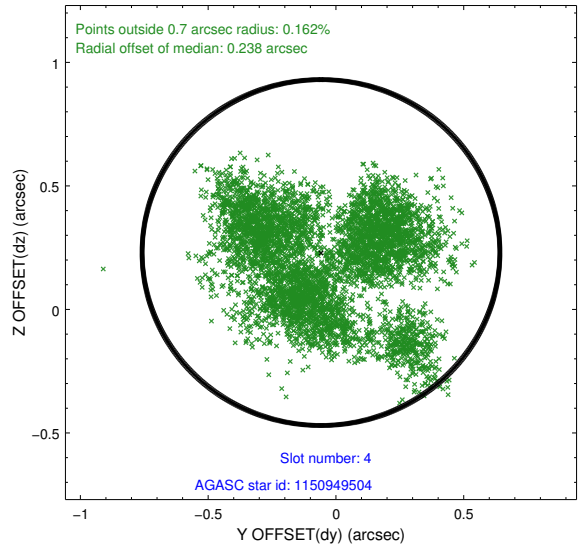
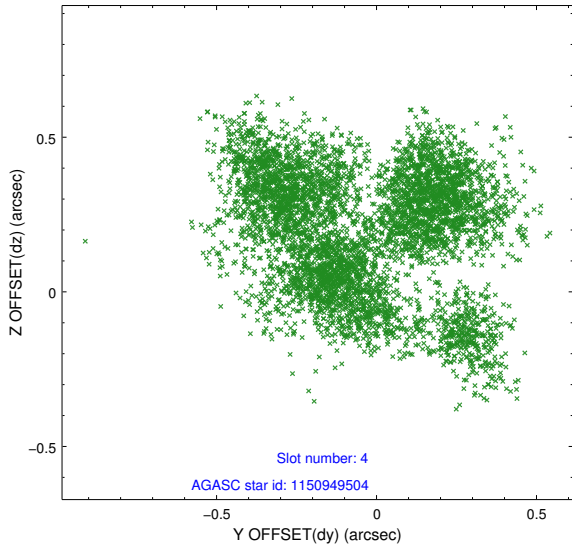
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2.4 Star Slots

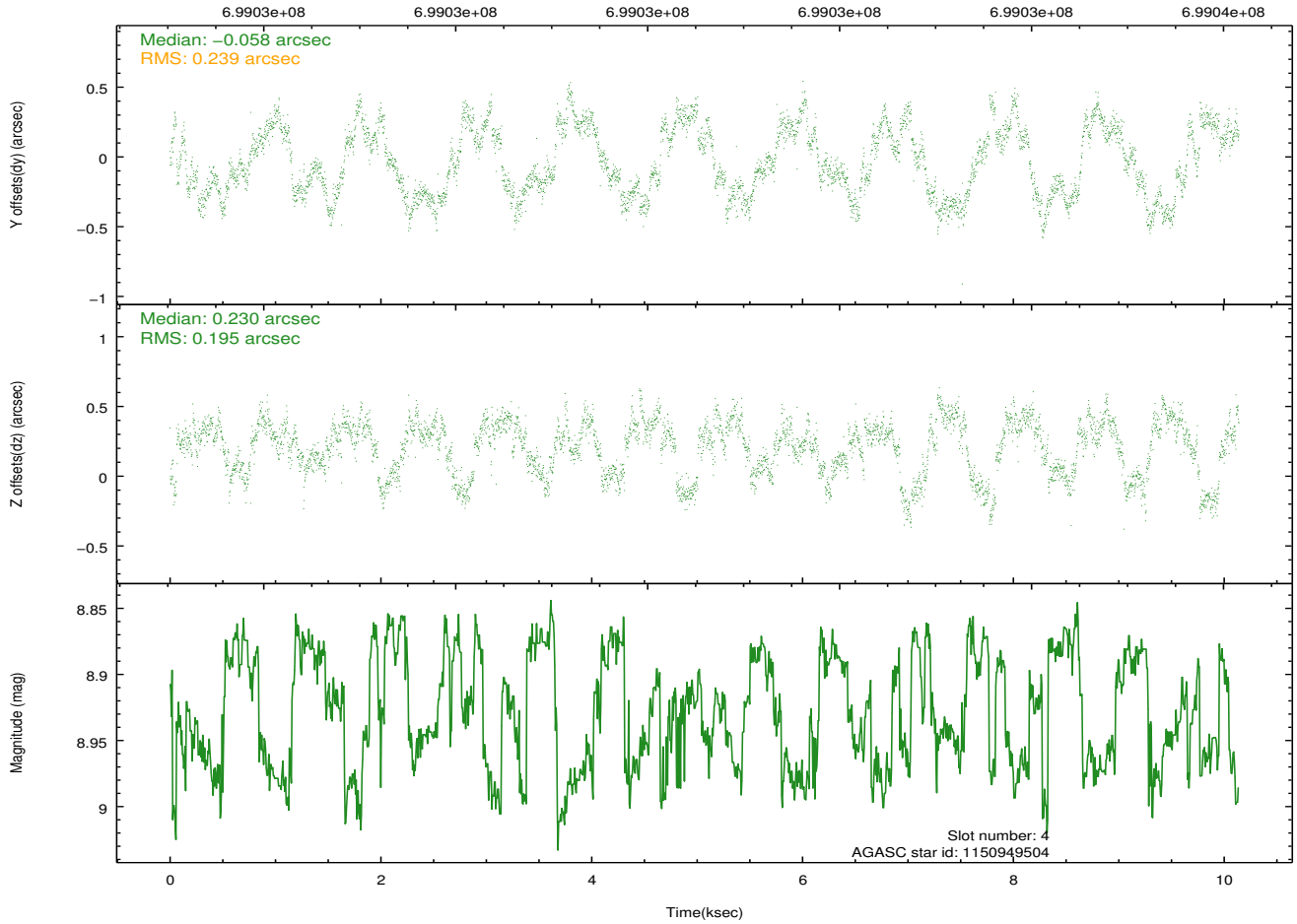
2.4.1 Slot 3



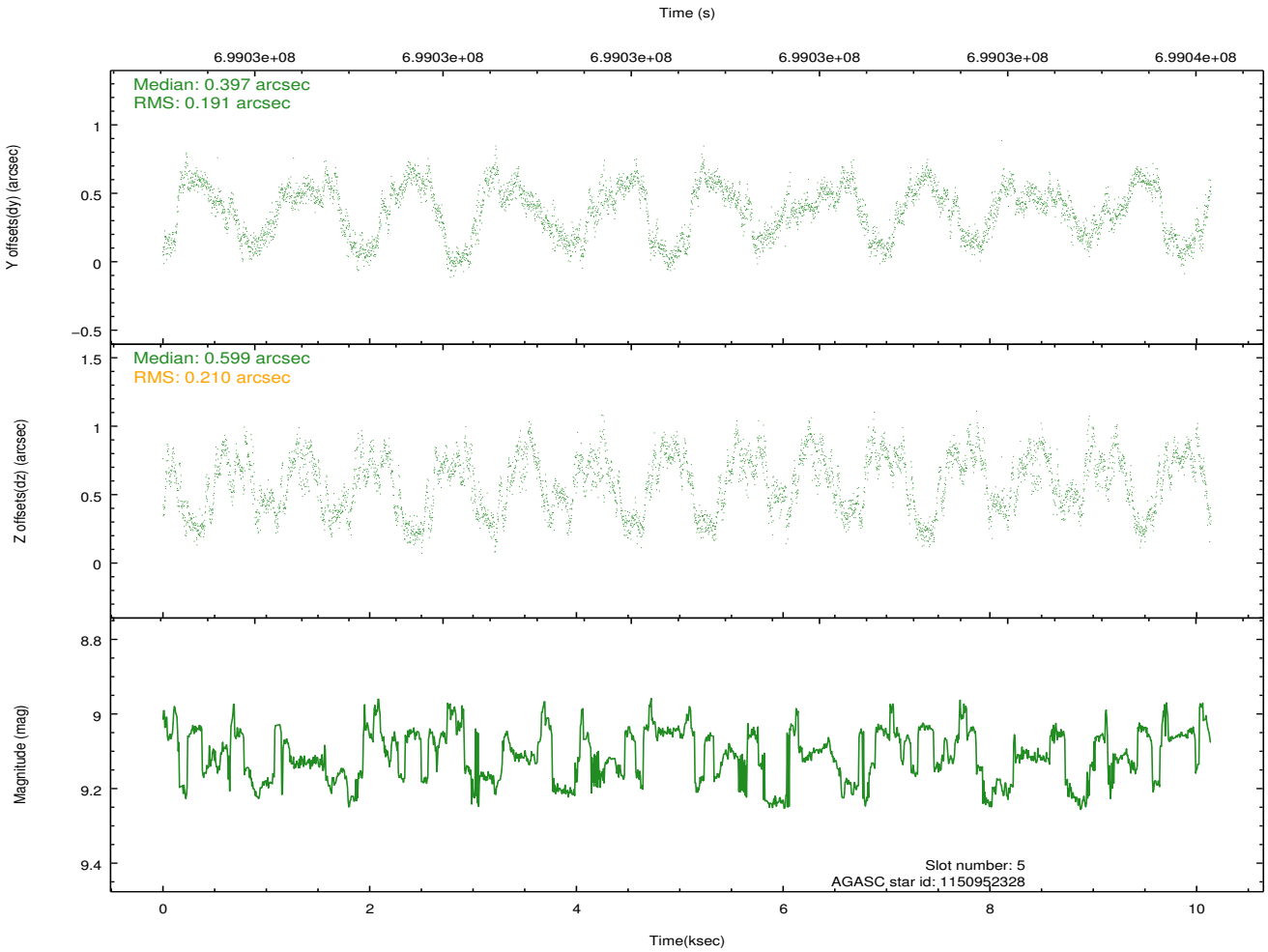
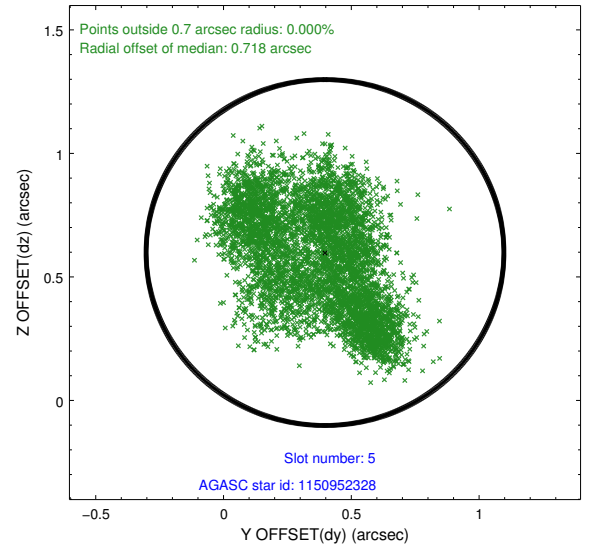
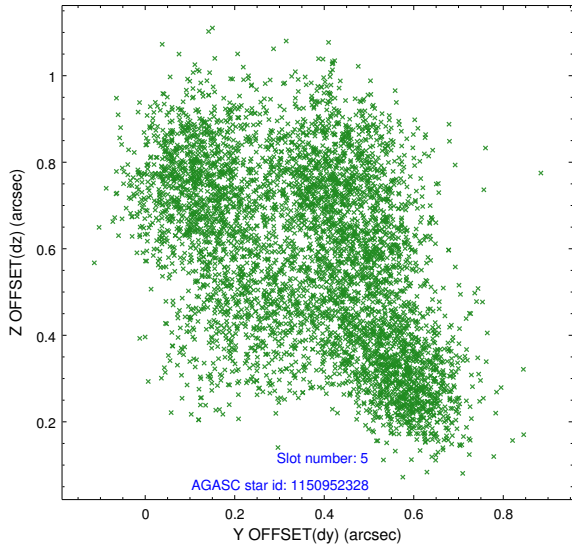
2.4.2 Slot 4



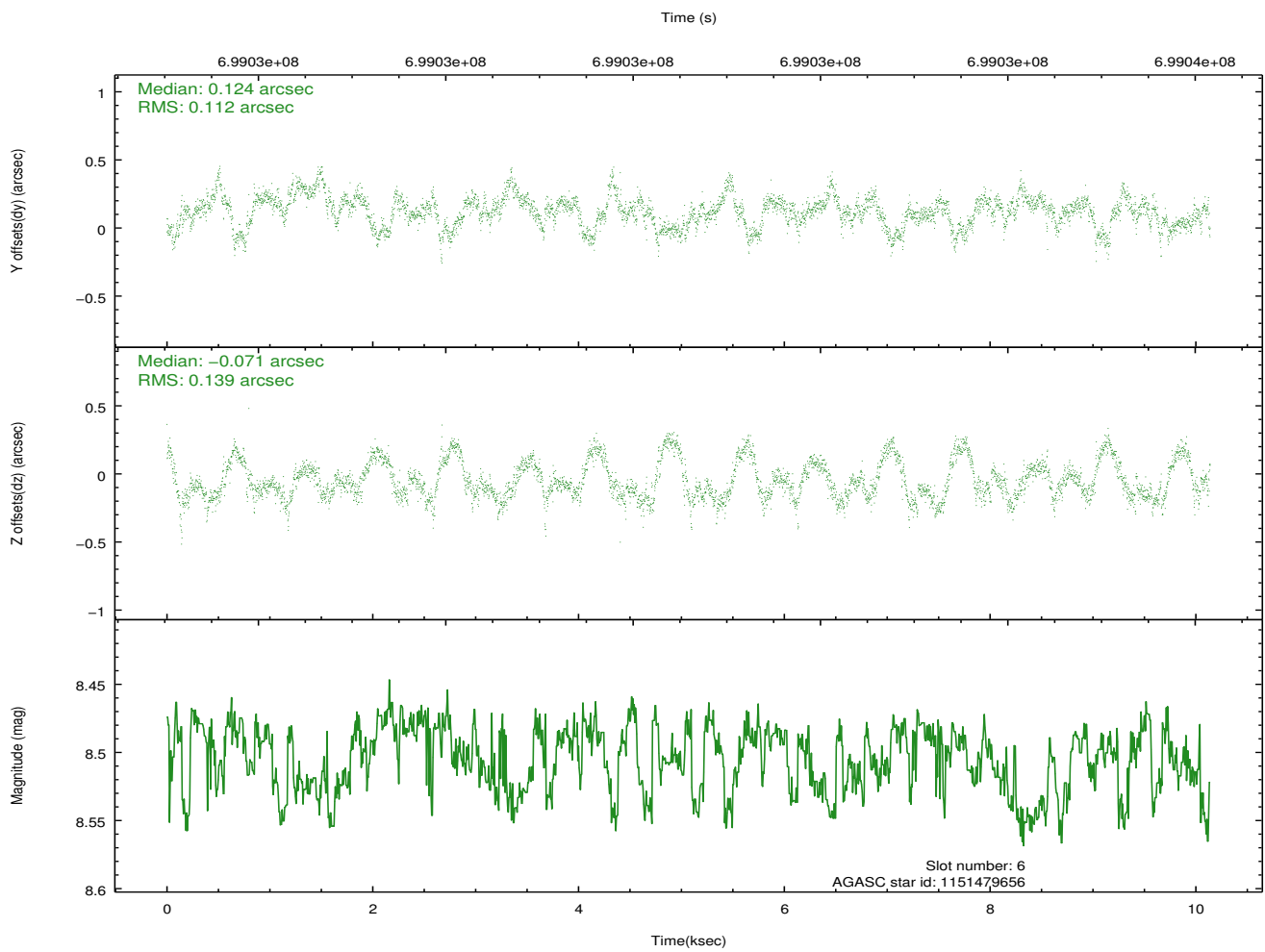
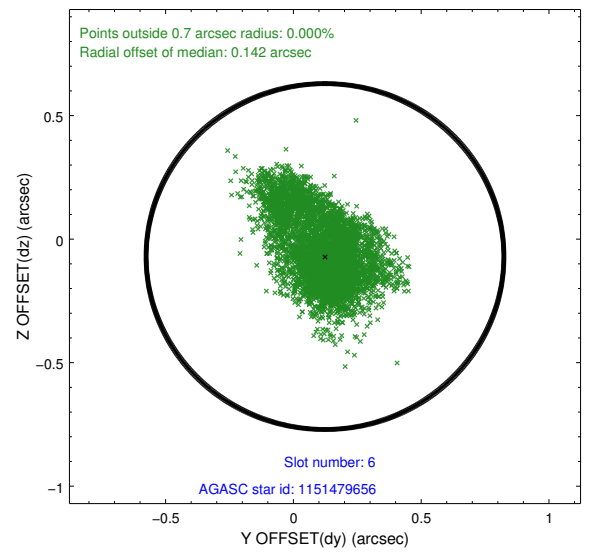
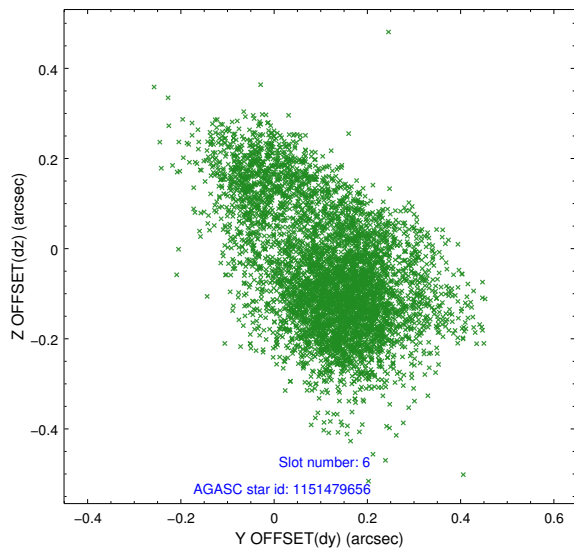
Time (s)



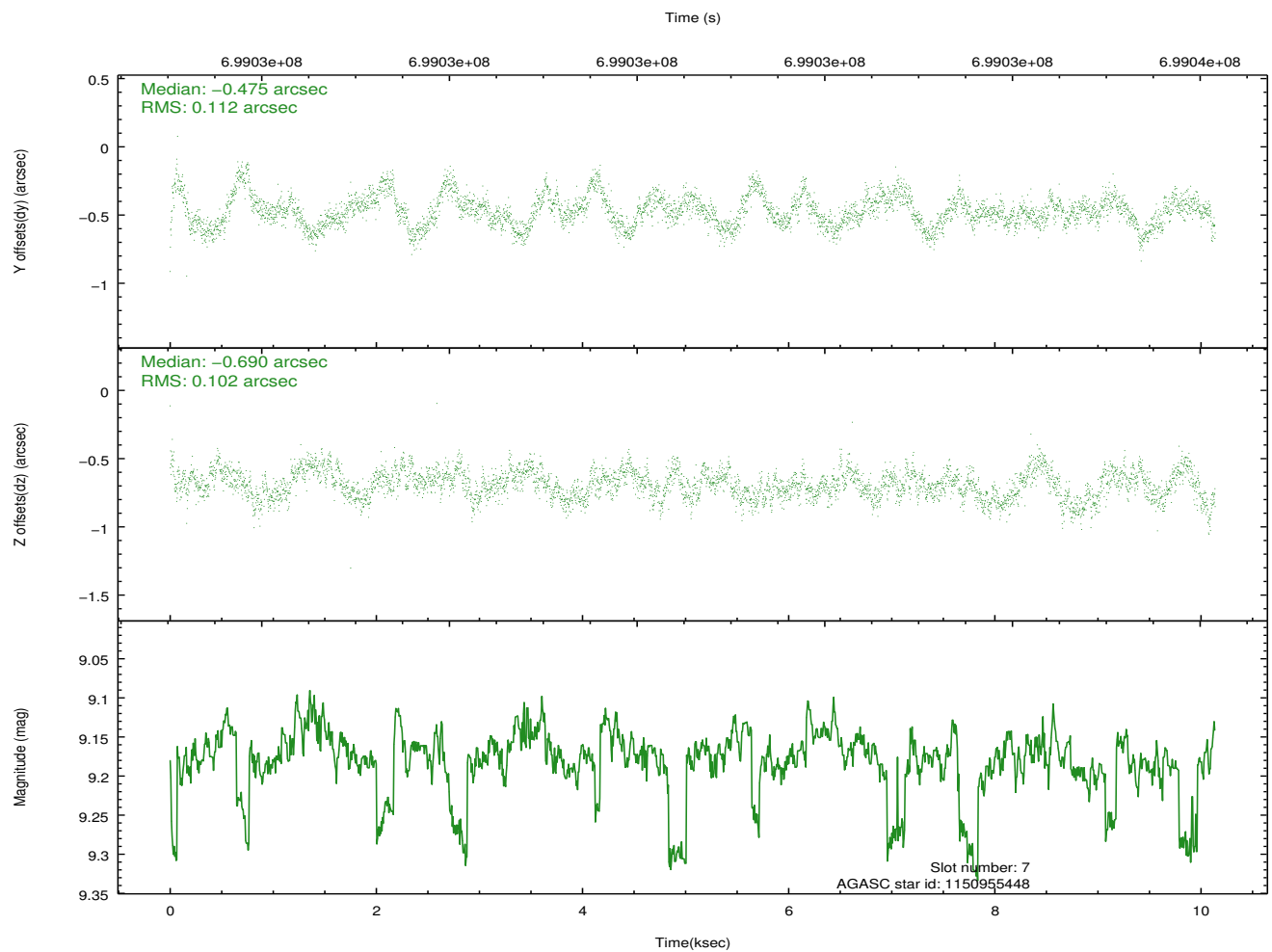
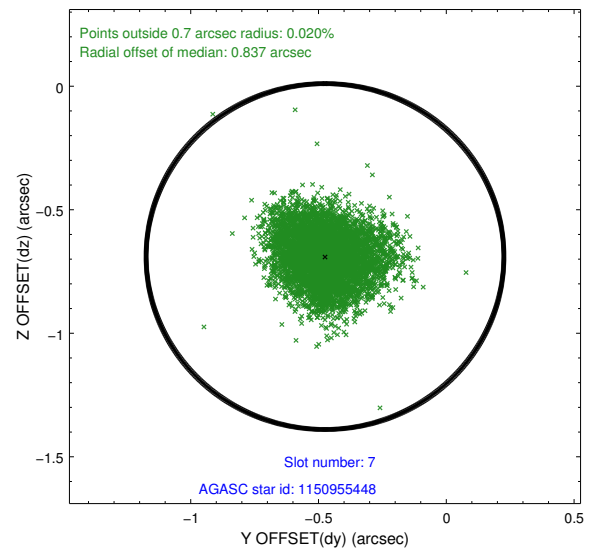
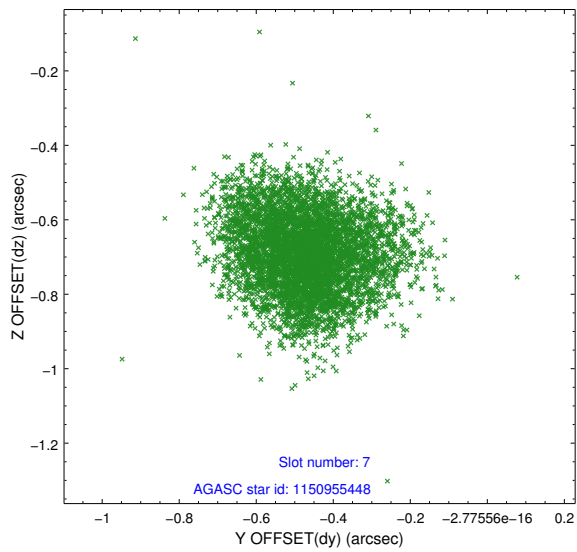
2.4.3 Slot 5



2.4.4 Slot 6

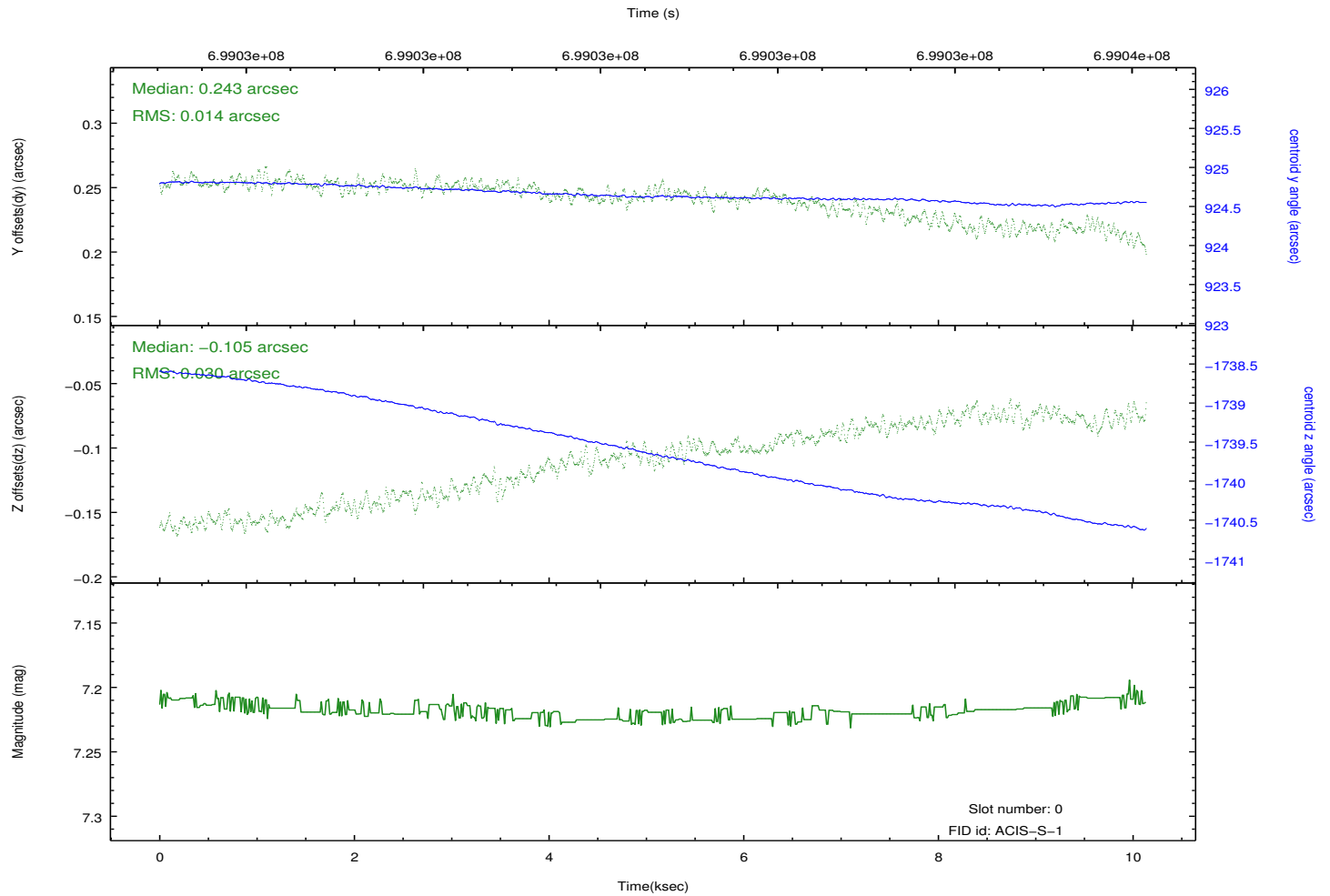
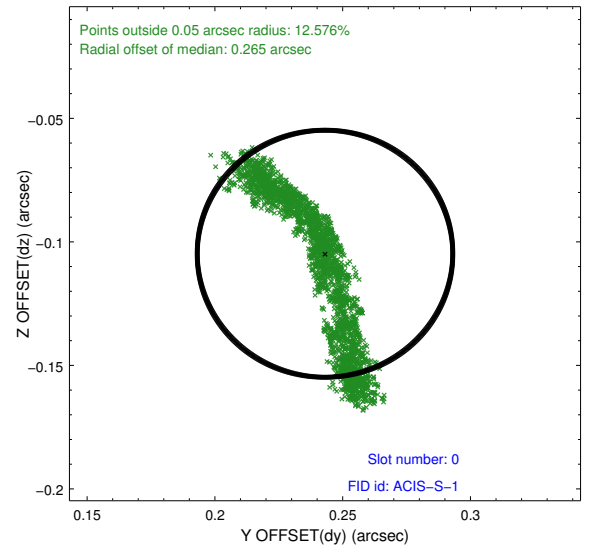
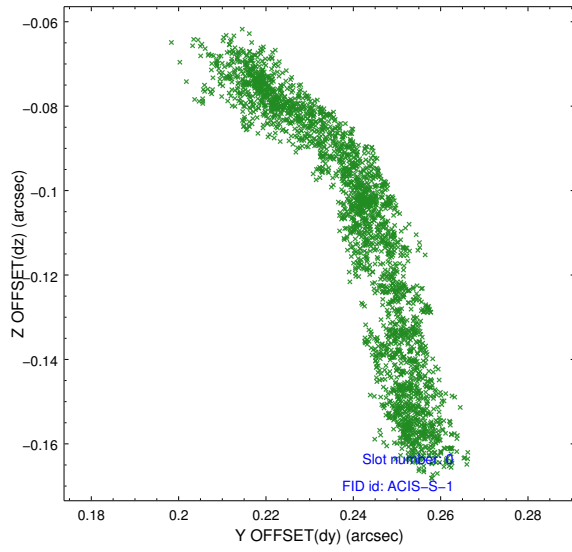


2.4.5 Slot 7

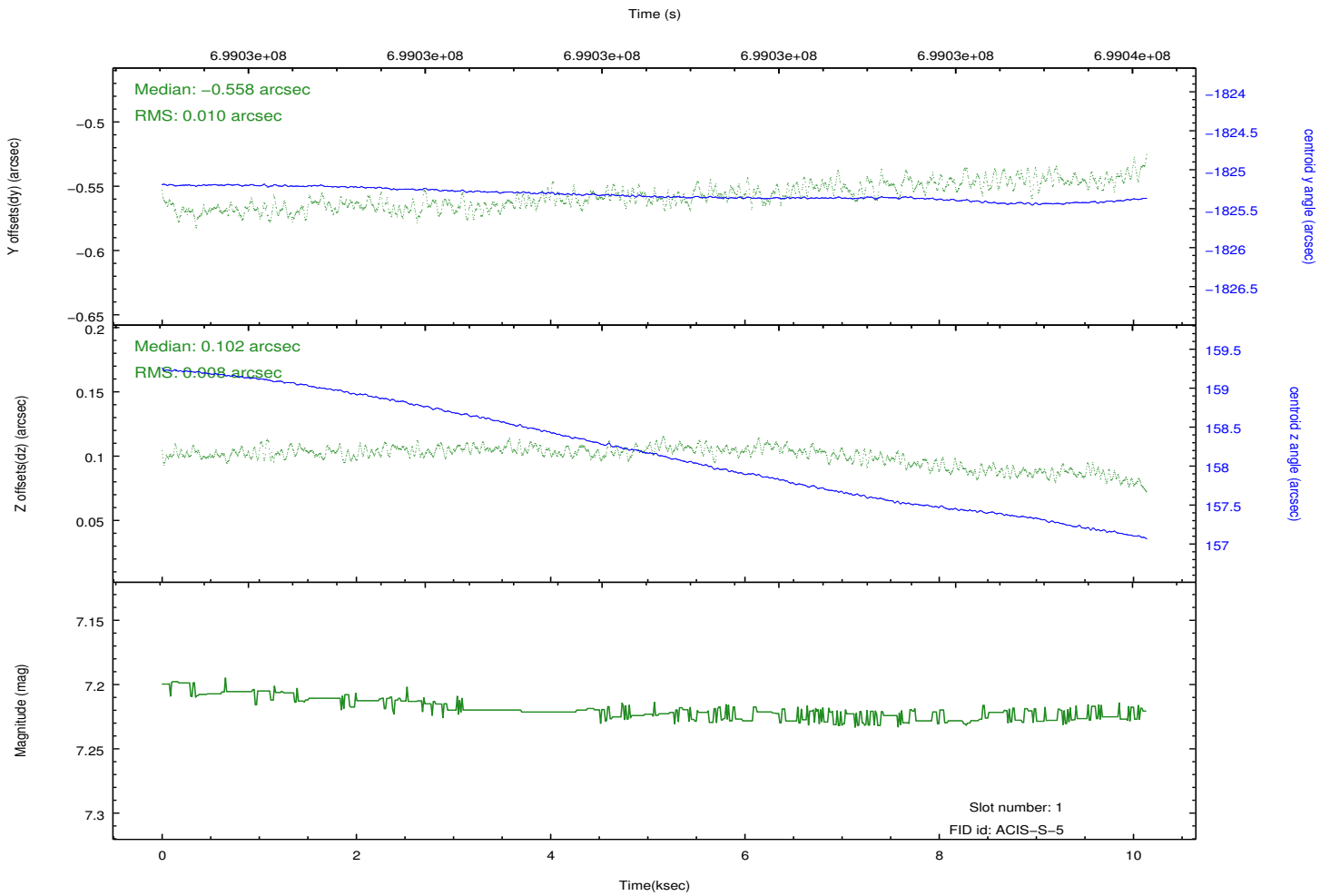
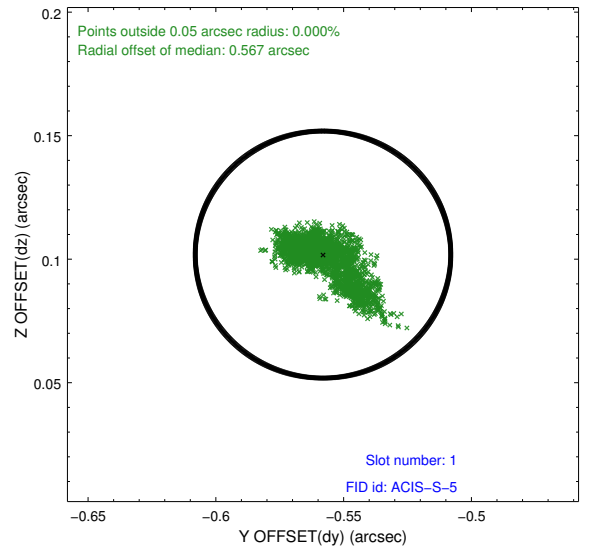
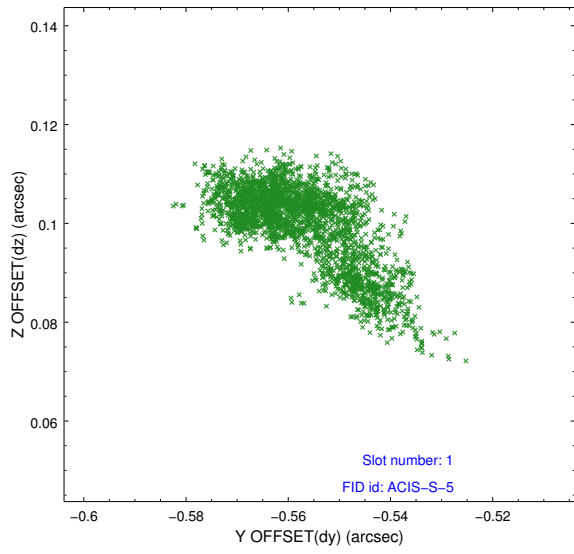


2.5 FID Slots

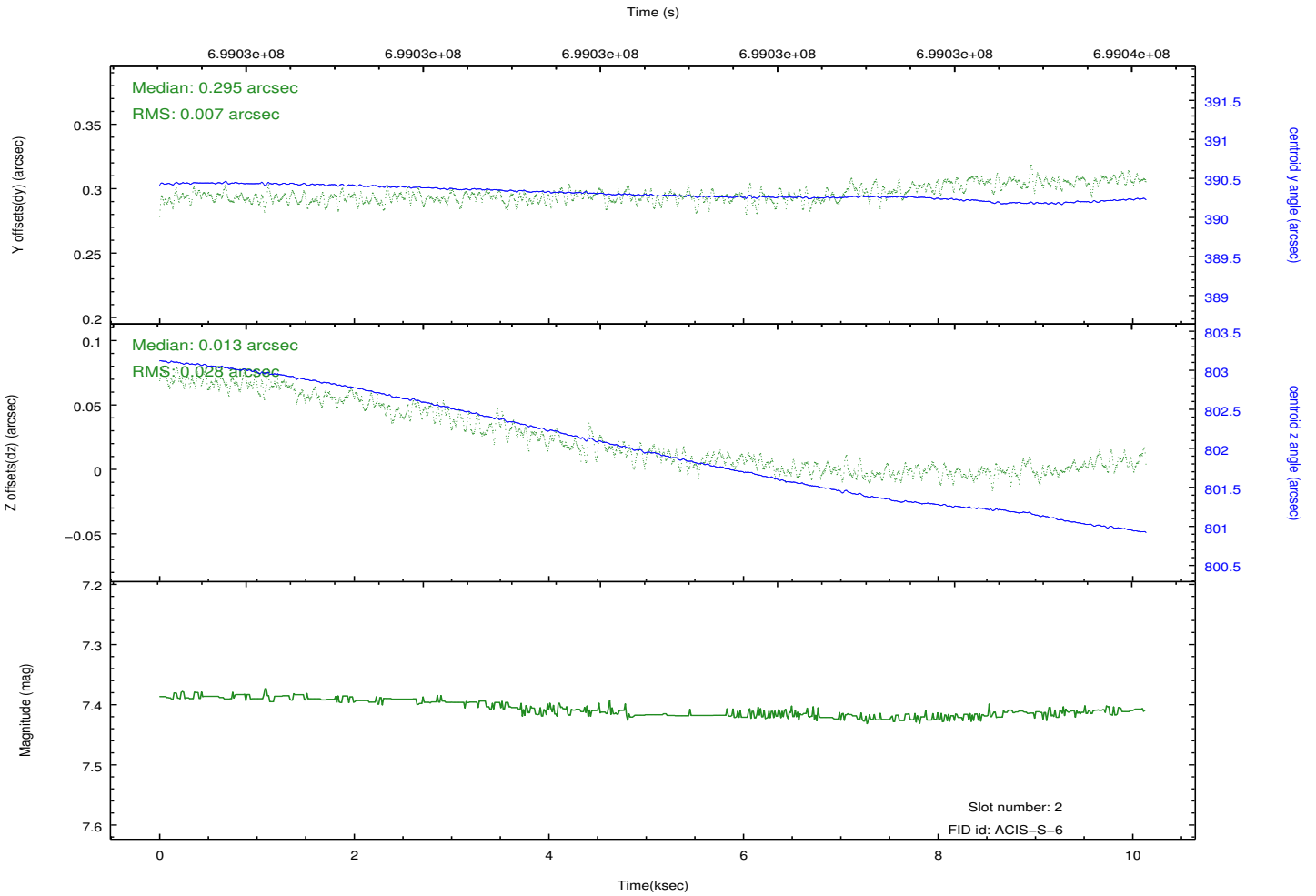
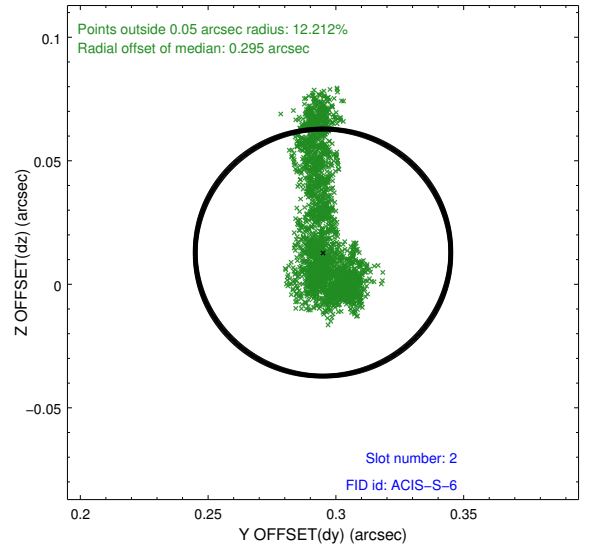
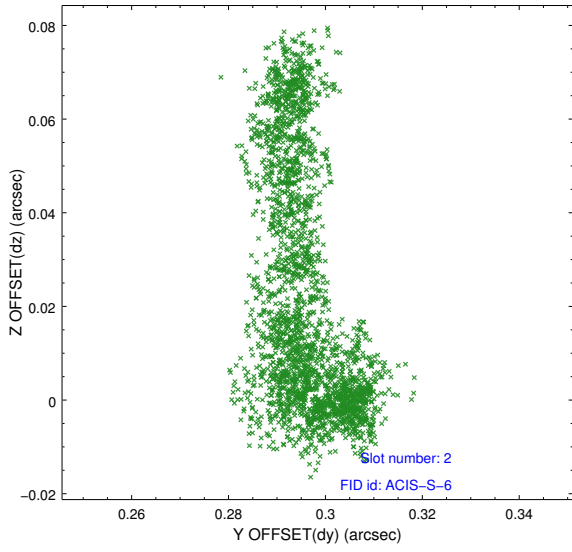
2.5.1 Slot 0



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)	2020.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.091379765034

A.2 Comments