

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20999 - L2 Version 2
Chandra X-Ray Center

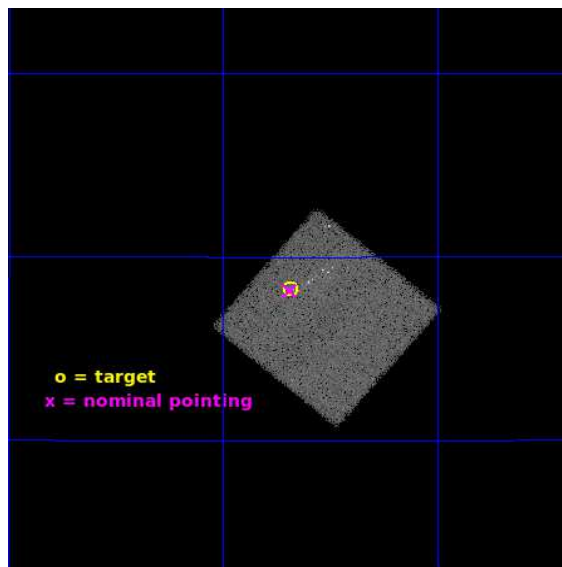
L2 Processing Date : Oct 27 2020

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1 Front

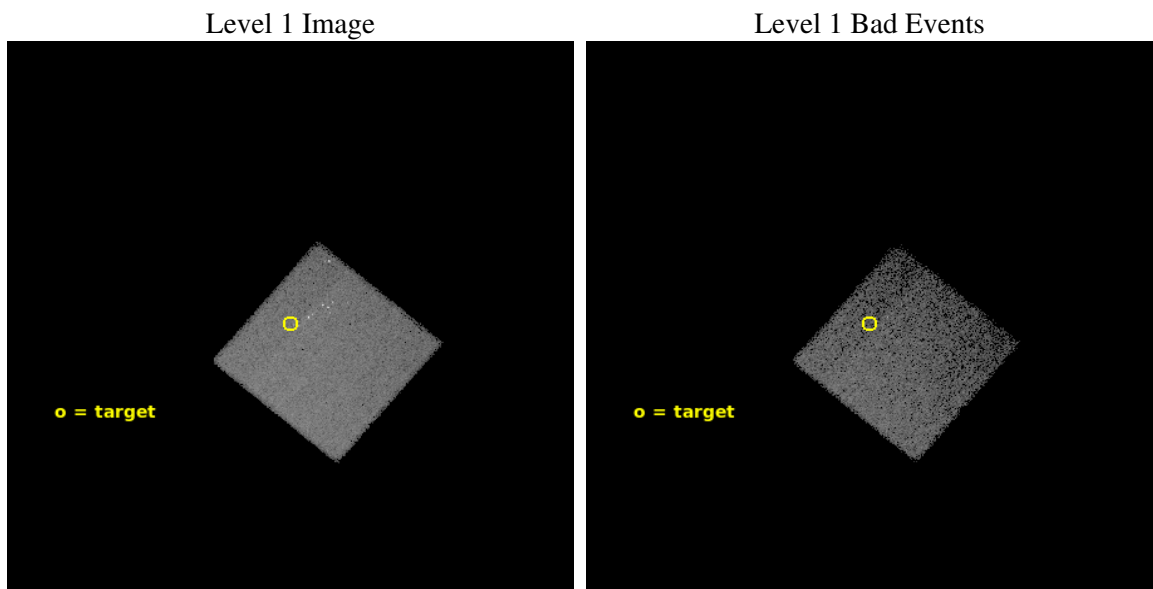
seq_num	503045	Sequence number
obs_id	20999	Observation id
title	Zeroing in on the Mass Loss Properties of Core Collapse Supernova Progenitors	Proposal title
observer	Daniel Patnaude	Principal investigator
object	SN2008ax	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.670833	Observer's specified target RA [deg]
dec_targ	41.637778	Observer's specified target Dec [deg]
ra_nom	187.67204913939	Nominal RA [deg]
dec_nom	41.636082655539	Nominal Dec [deg]
roll_nom	40.150767858268	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15089.763710618	Sum of GTIs [s]
livetime	14886.121567574	Livetime [s]
ontime7	15089.763710618	Sum of GTIs [s]
l2events	64910	Number of level 2 events



2 OBI

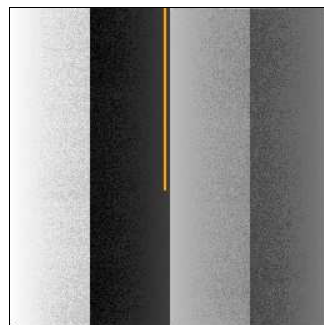
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	15089.763710618	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	15089.763710618	Sum of GTIs [s]
date	2020-10-28T03:14:35	Date and time of file creation	l1events	145337	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	145337
rejected events	78318
rejected %	53%

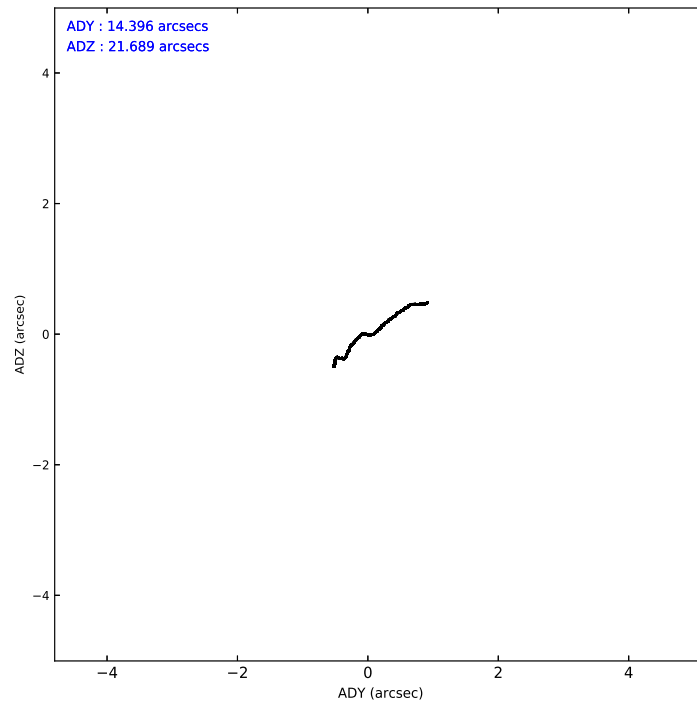
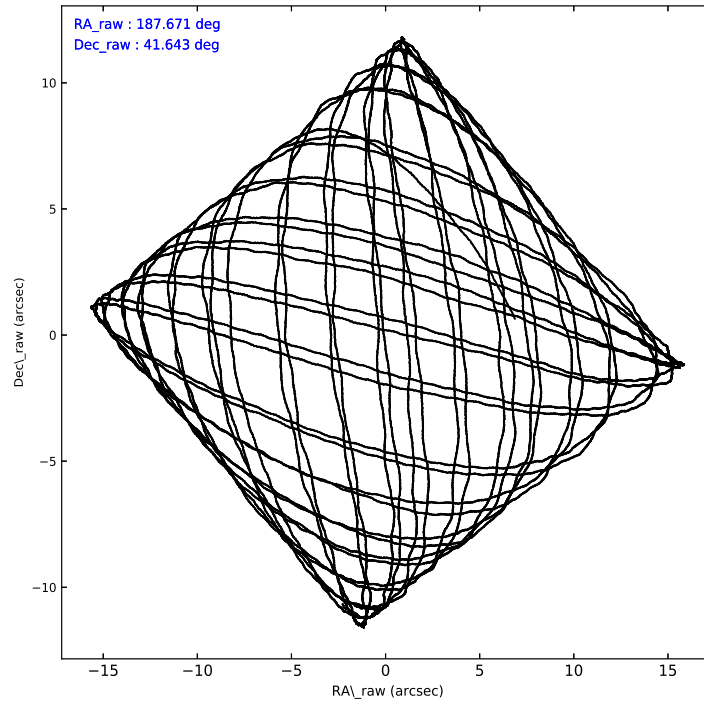
	ccd 7
grade 0 events	6351
	4%
grade 1 events	199
	0%
grade 2 events	14607
	10%
grade 3 events	5612
	3%
grade 4 events	5463
	3%
grade 5 events	14151
	9%
grade 6 events	35017
	24%
grade 7 events	63937
	43%

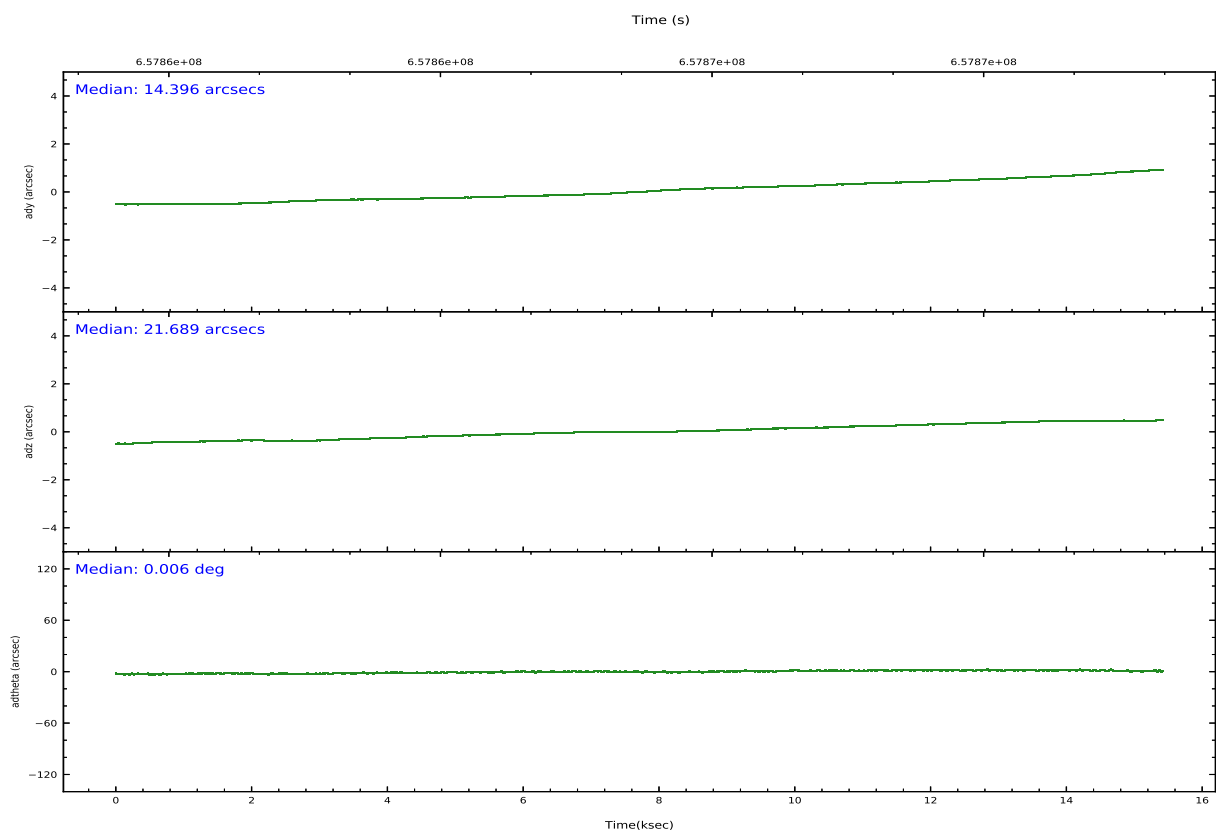
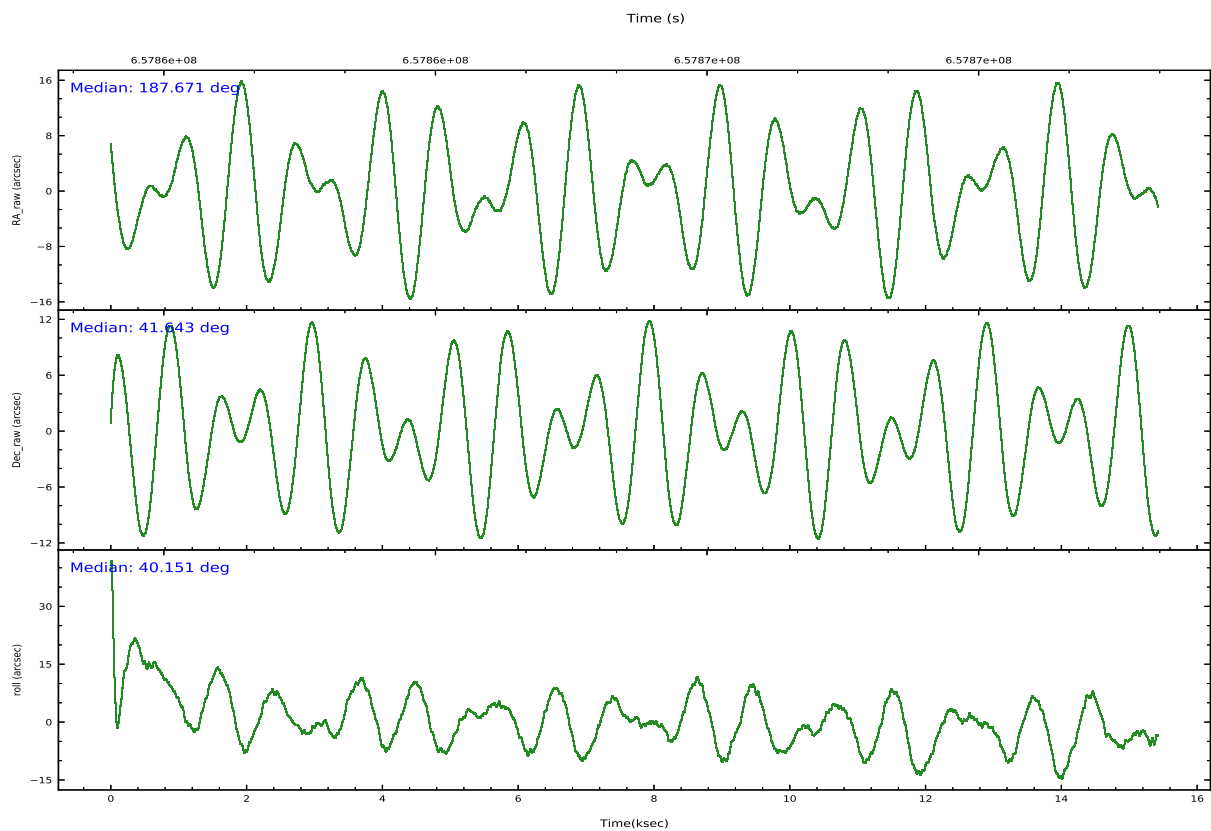
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	187.659033	187.67204913939
[deg] Pointing Dec	41.617825	41.636082655539
[deg] Pointing Roll	40.007836	40.150767858268
[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)	657859643.184000	657858833.12436
Observation start date	2018-11-06T02:46:14	2018-11-06T02:33:53
[s] Observation end time (MET)	657874643.184000	657875241.8378299
Observation end date	2018-11-06T06:56:14	2018-11-06T07:07:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



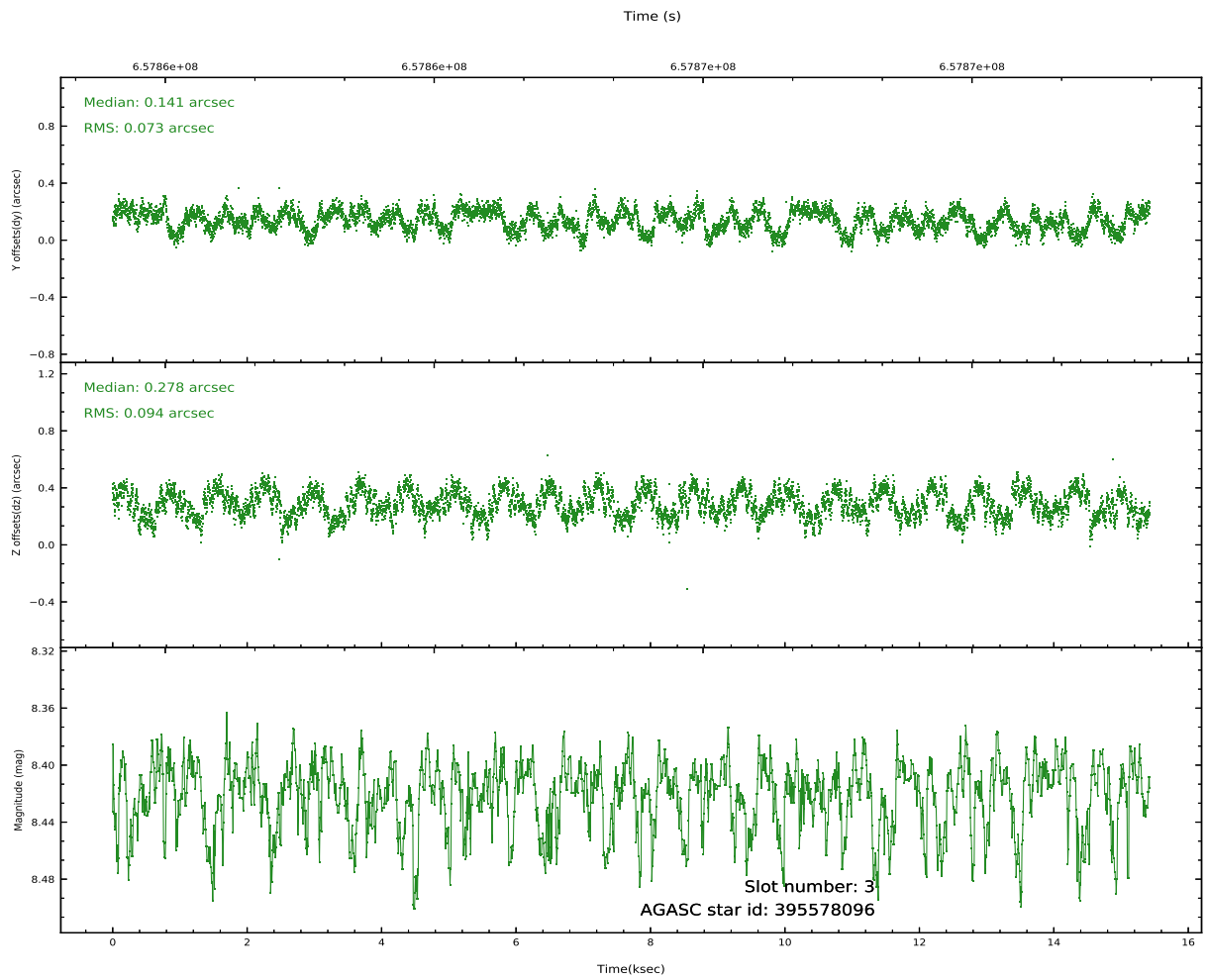
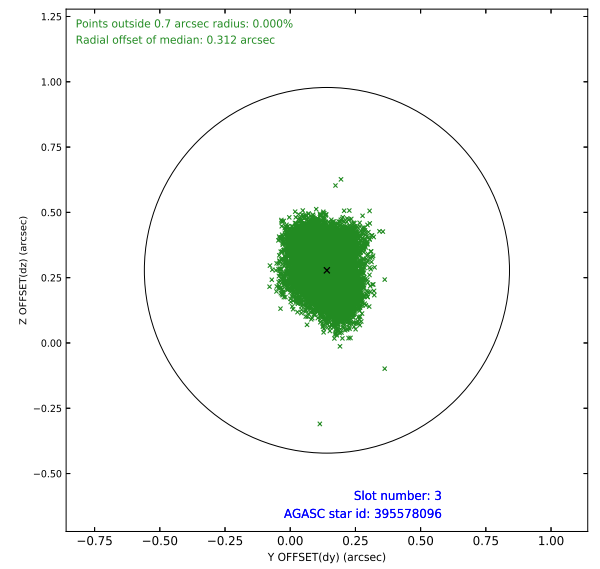
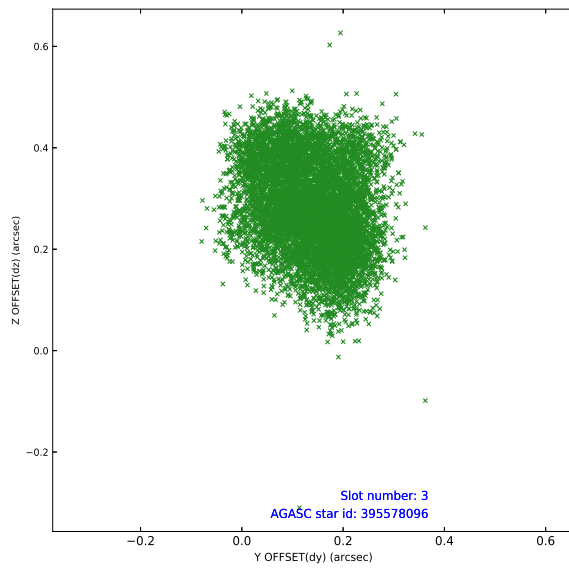


Slot Statistics

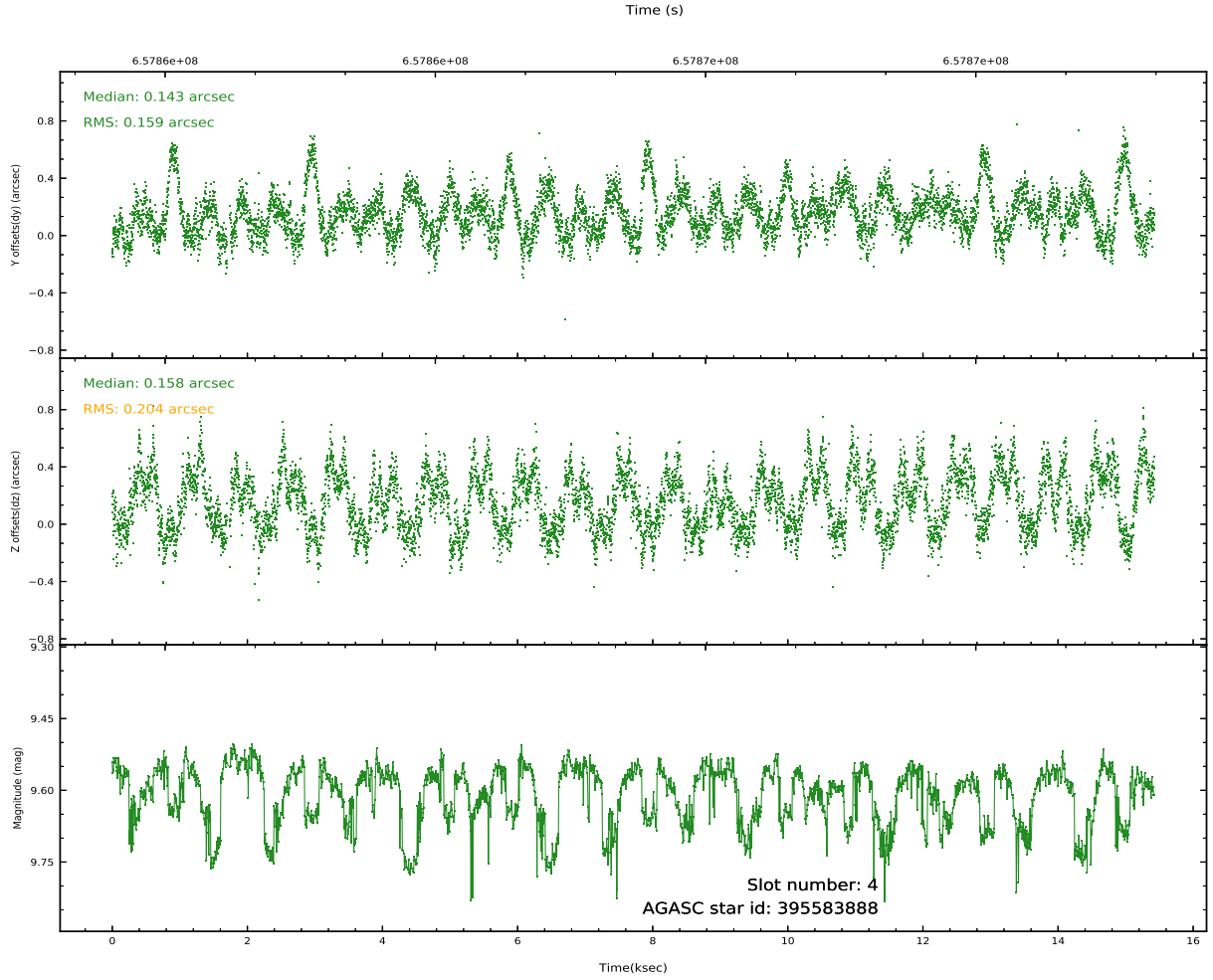
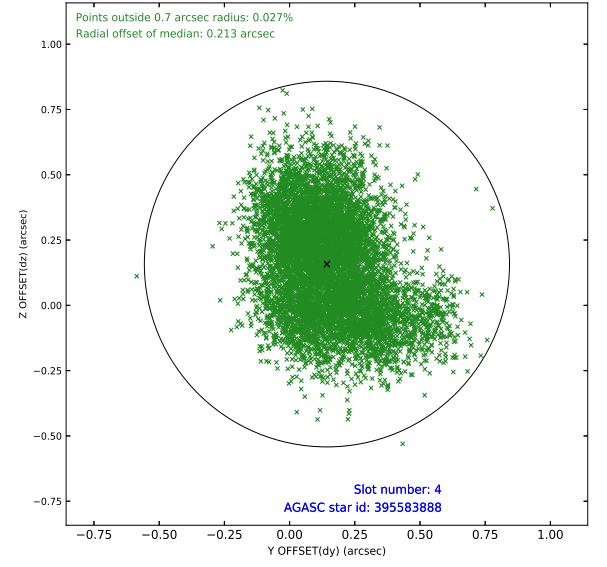
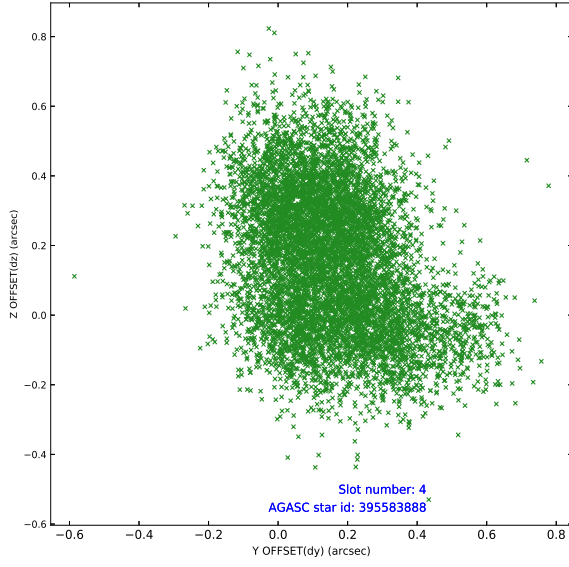
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.13	3761	1.000	0.369	-0.152	0.023	0.032	0.000000	0.000000	928.65	-1739
1	FID		ACIS-S-4	7.15	3763	1.000	0.044	-0.066	0.014	0.022	0.000000	0.000000	2146.25	164
2	FID		ACIS-S-5	7.13	3762	1.000	-0.439	0.231	0.026	0.038	0.000000	0.000000	-1820.30	159
3	GUIDE	used	395578096	8.42	7519	1.000	0.141	0.278	0.132	0.191	187.586419	40.830440	-1973.23	-2042
4	GUIDE	used	395583888	9.60	7498	1.000	0.143	0.158	0.276	0.442	187.778753	41.111279	-922.91	-1603
5	GUIDE	used	395842632	9.08	7521	1.000	-0.499	-0.222	0.169	0.267	187.414657	41.992279	366.71	1453
6	GUIDE	used	395846904	9.42	7514	1.000	0.012	-0.284	0.211	0.352	188.630312	41.670367	2132.17	-1522
7	GUIDE	used	395847744	9.50	7518	1.000	0.211	0.067	0.184	0.285	187.588656	41.269628	-950.09	-837

2.4 Star Slots

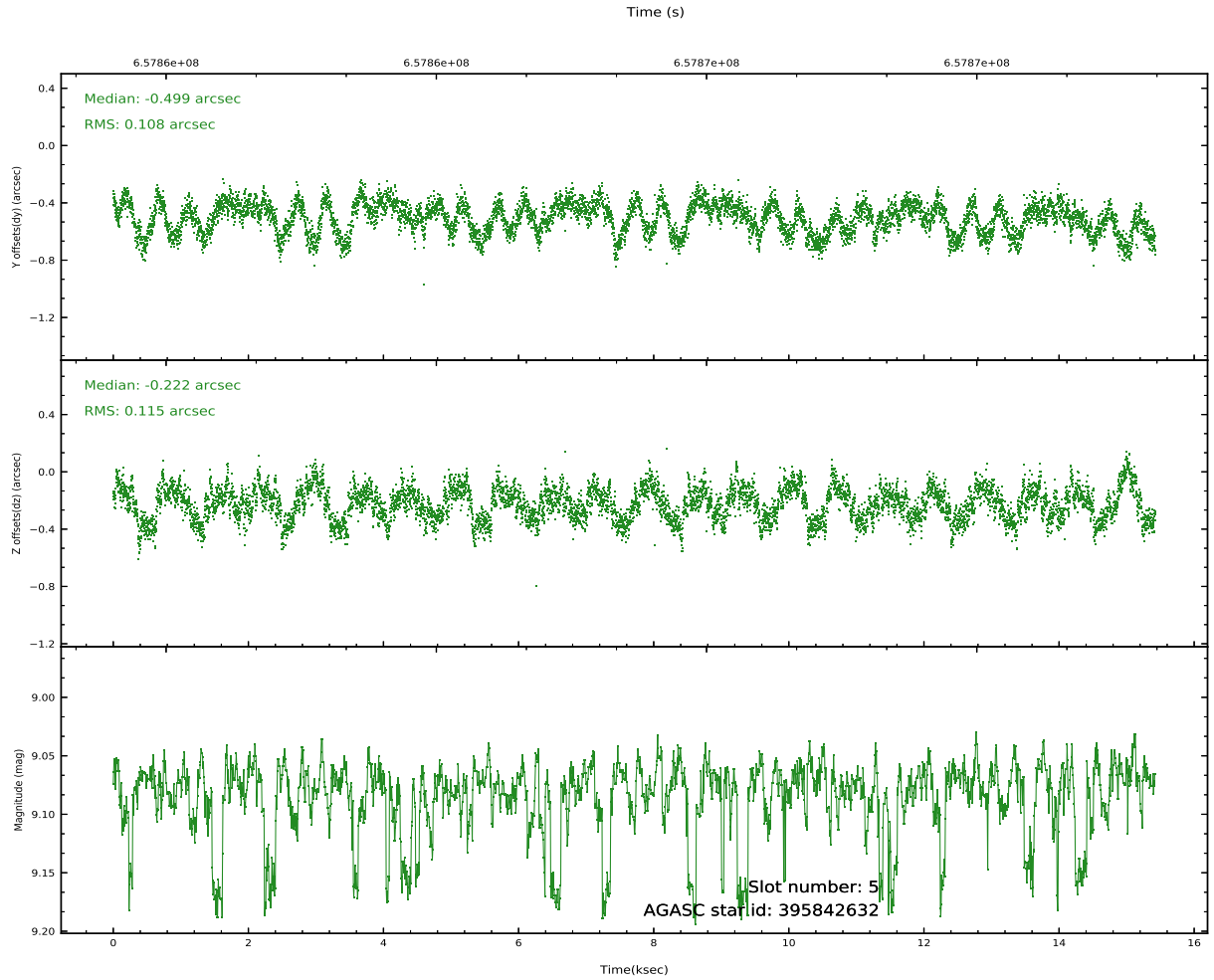
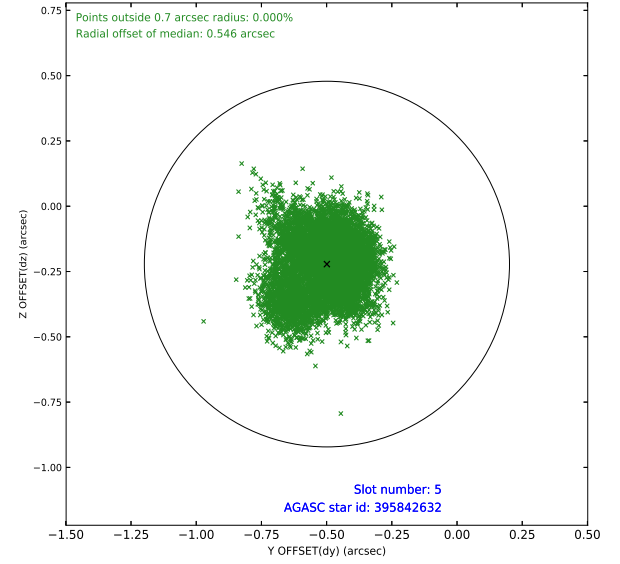
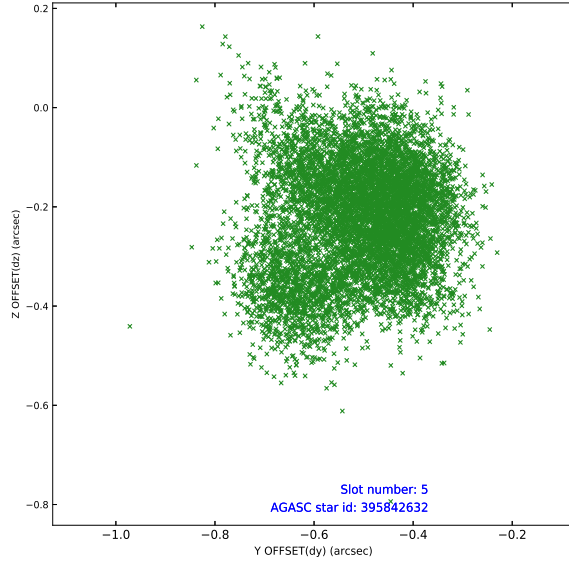
2.4.1 Slot 3



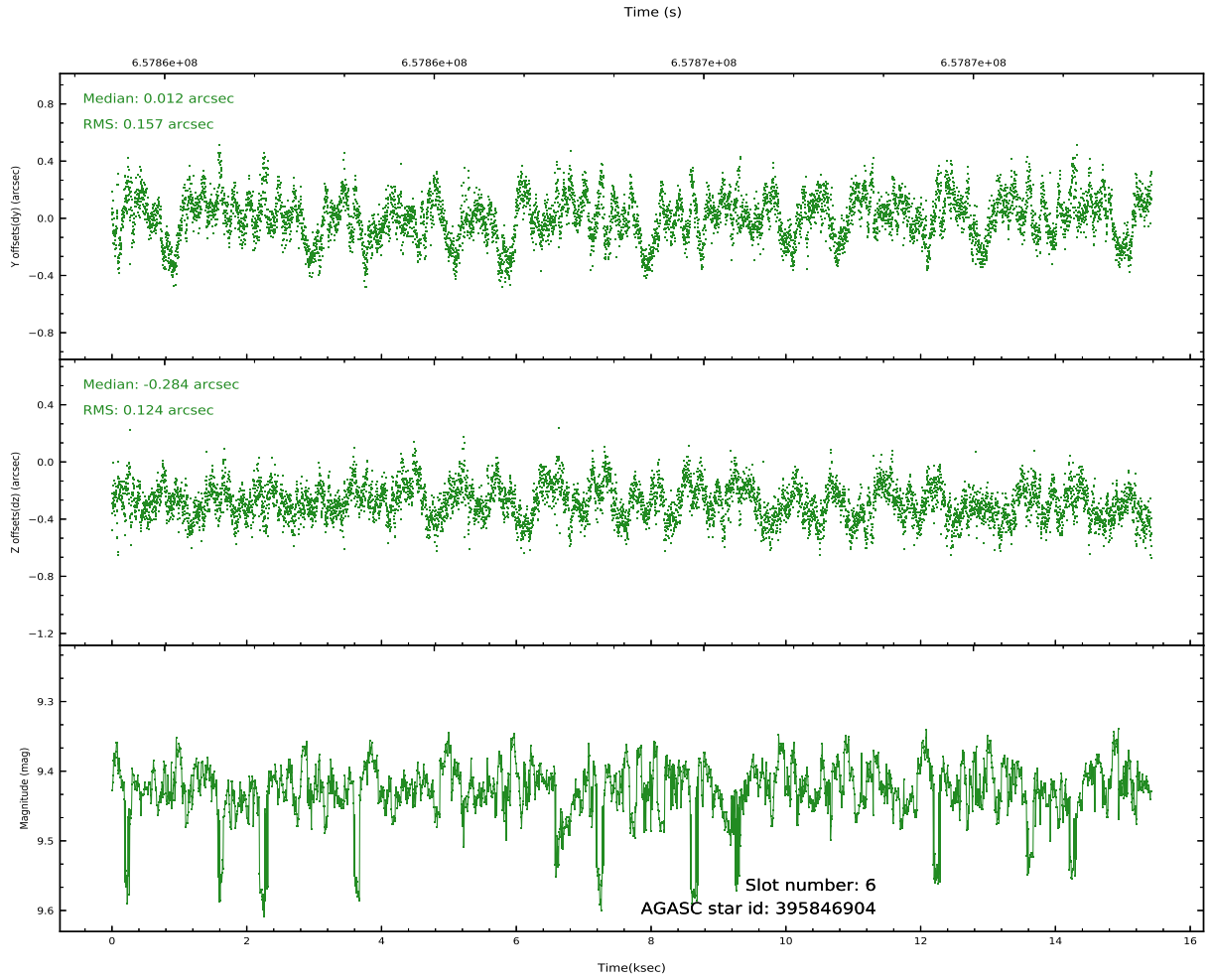
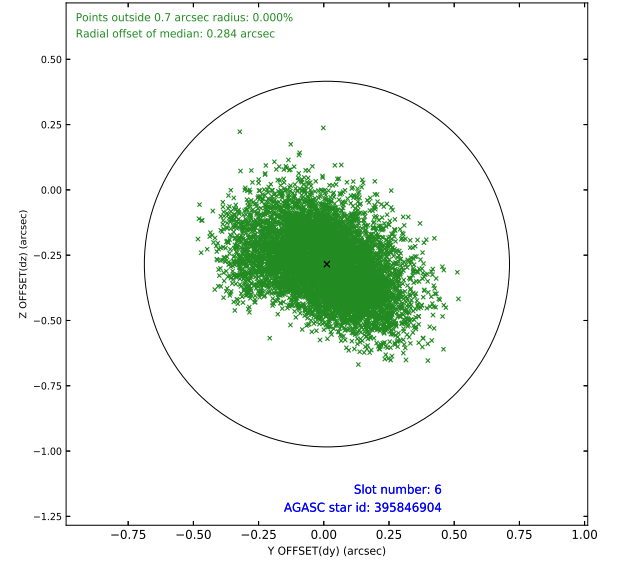
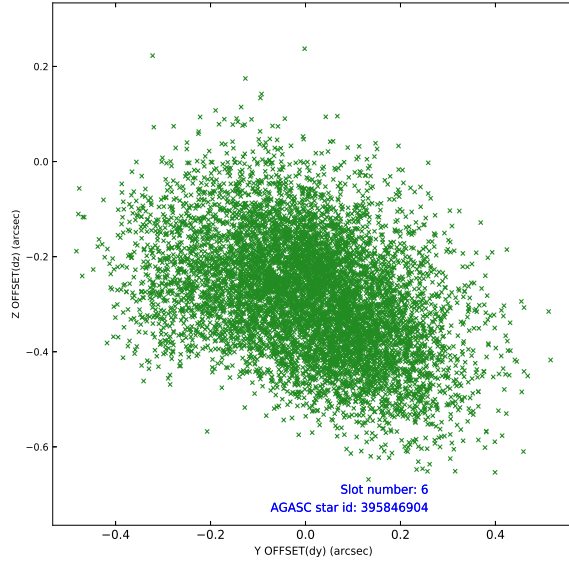
2.4.2 Slot 4



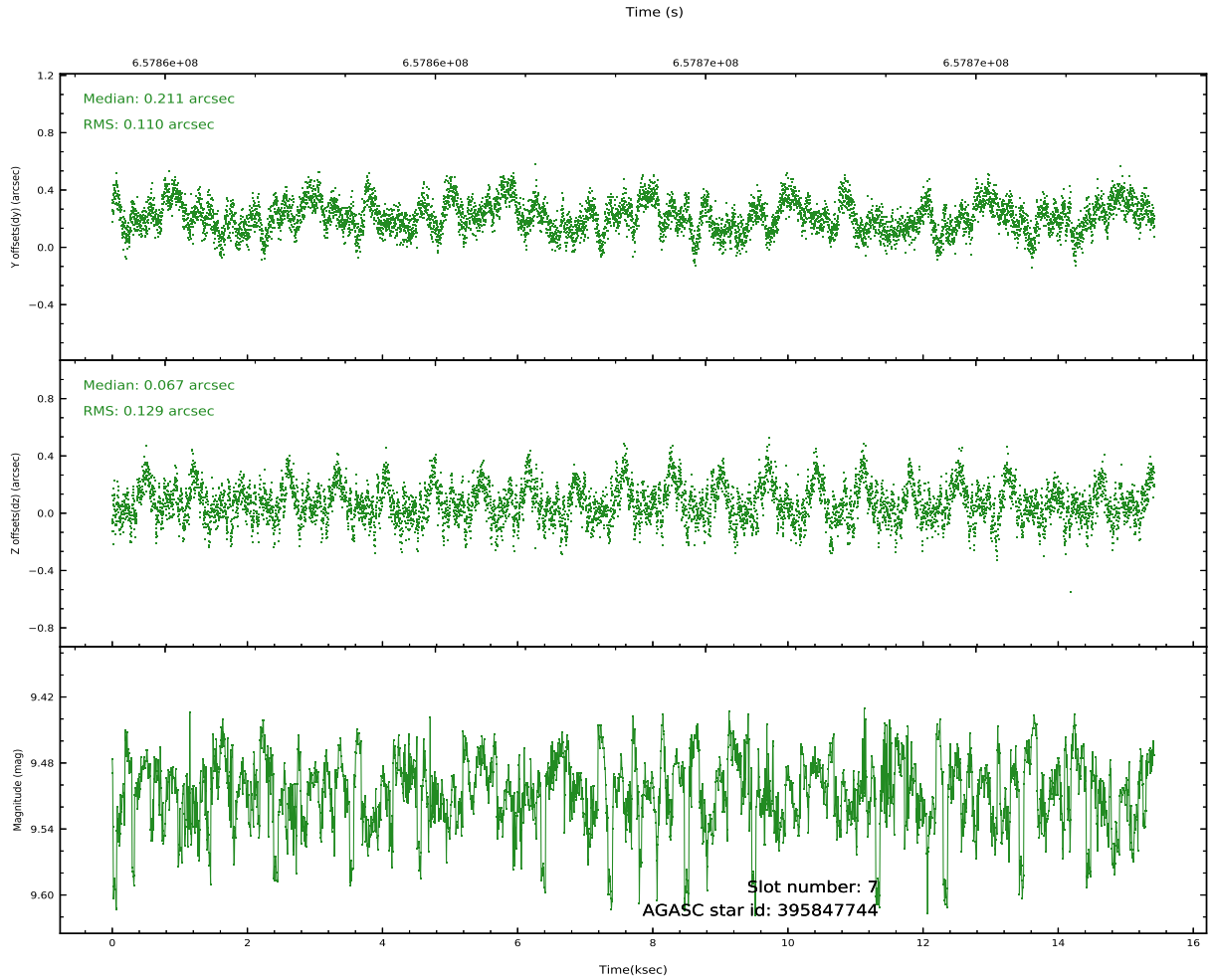
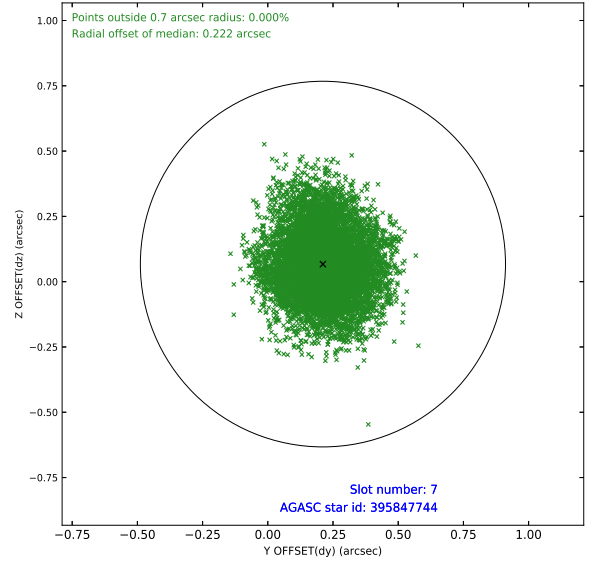
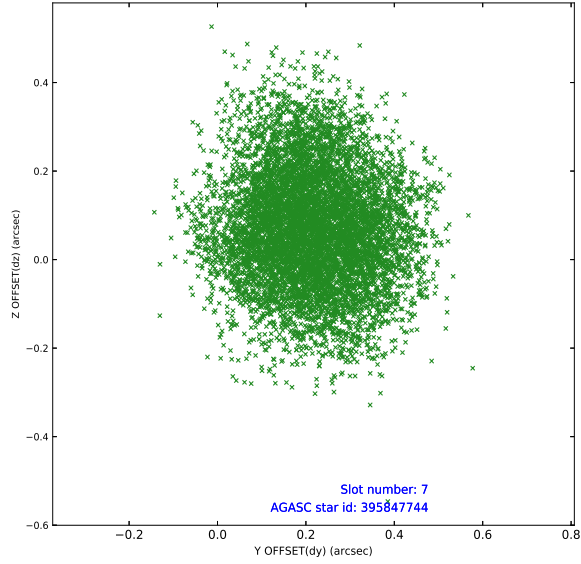
2.4.3 Slot 5



2.4.4 Slot 6

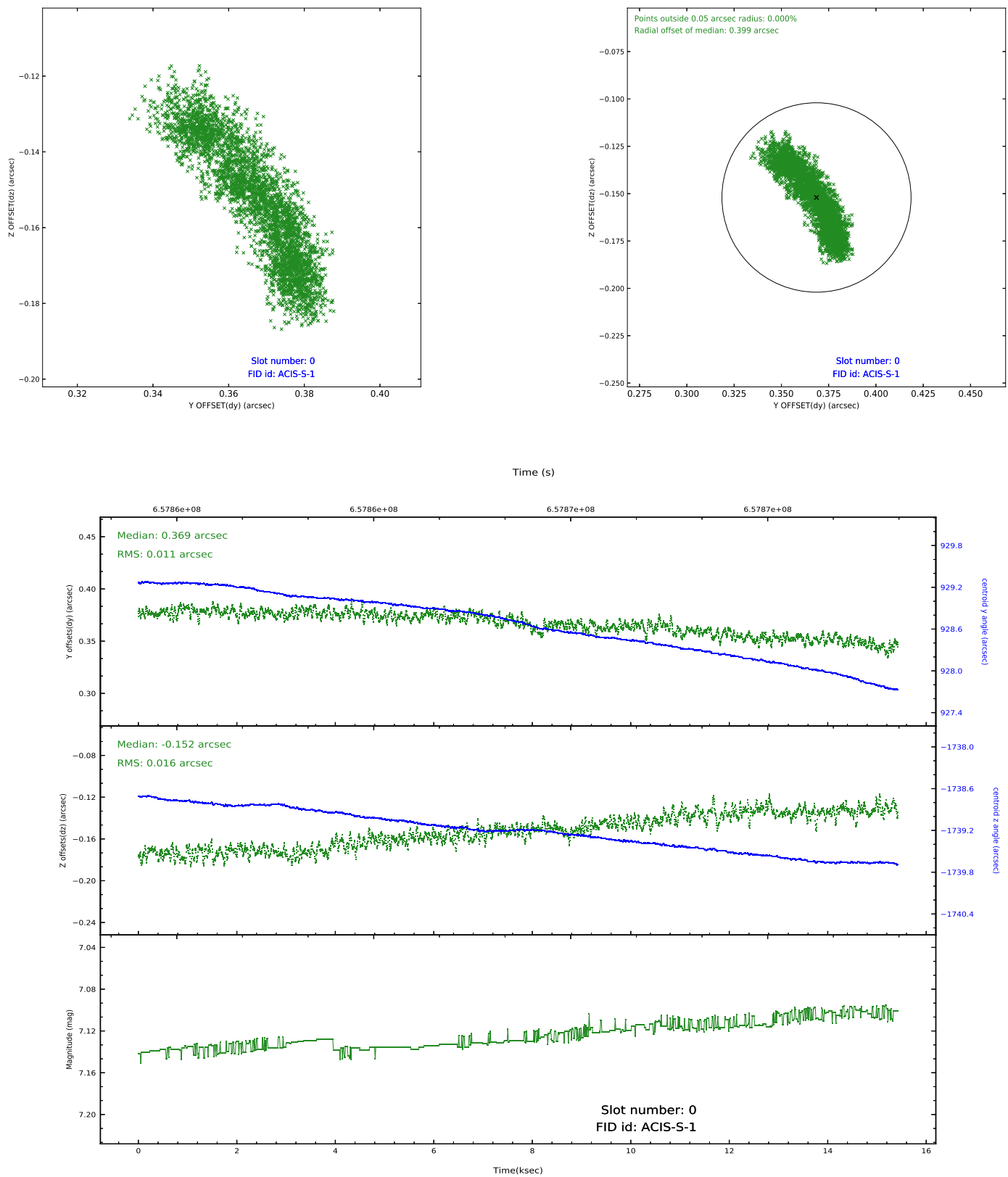


2.4.5 Slot 7

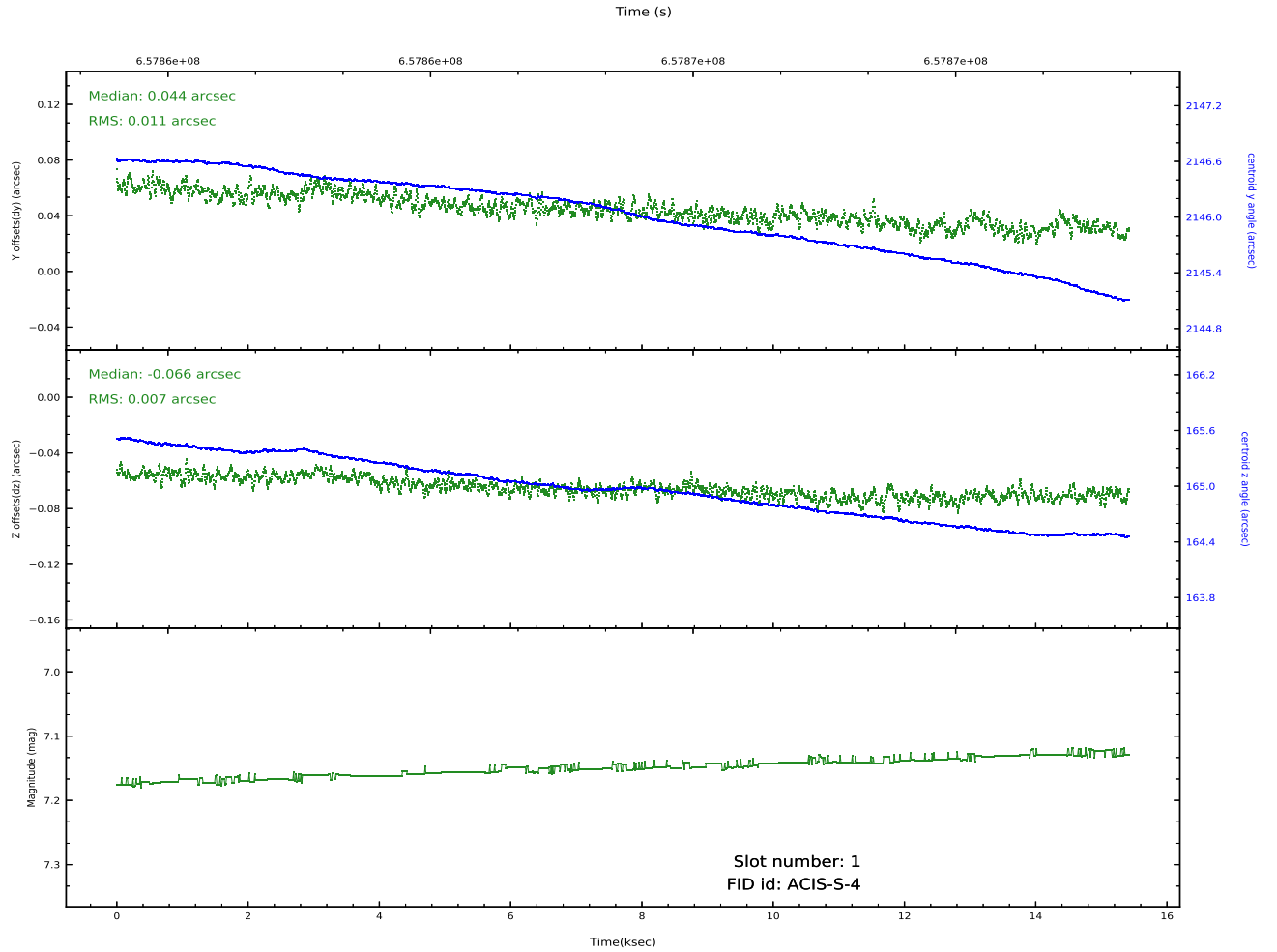
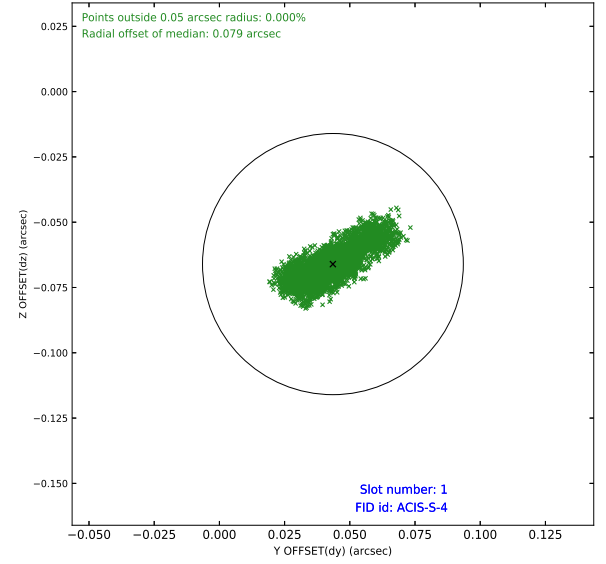
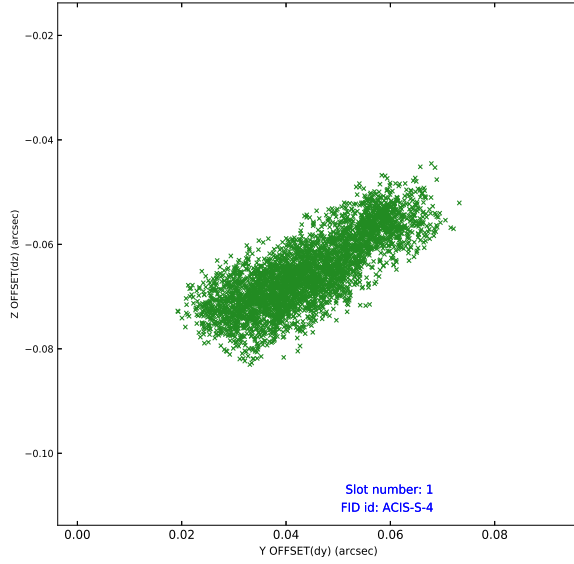


2.5 FID Slots

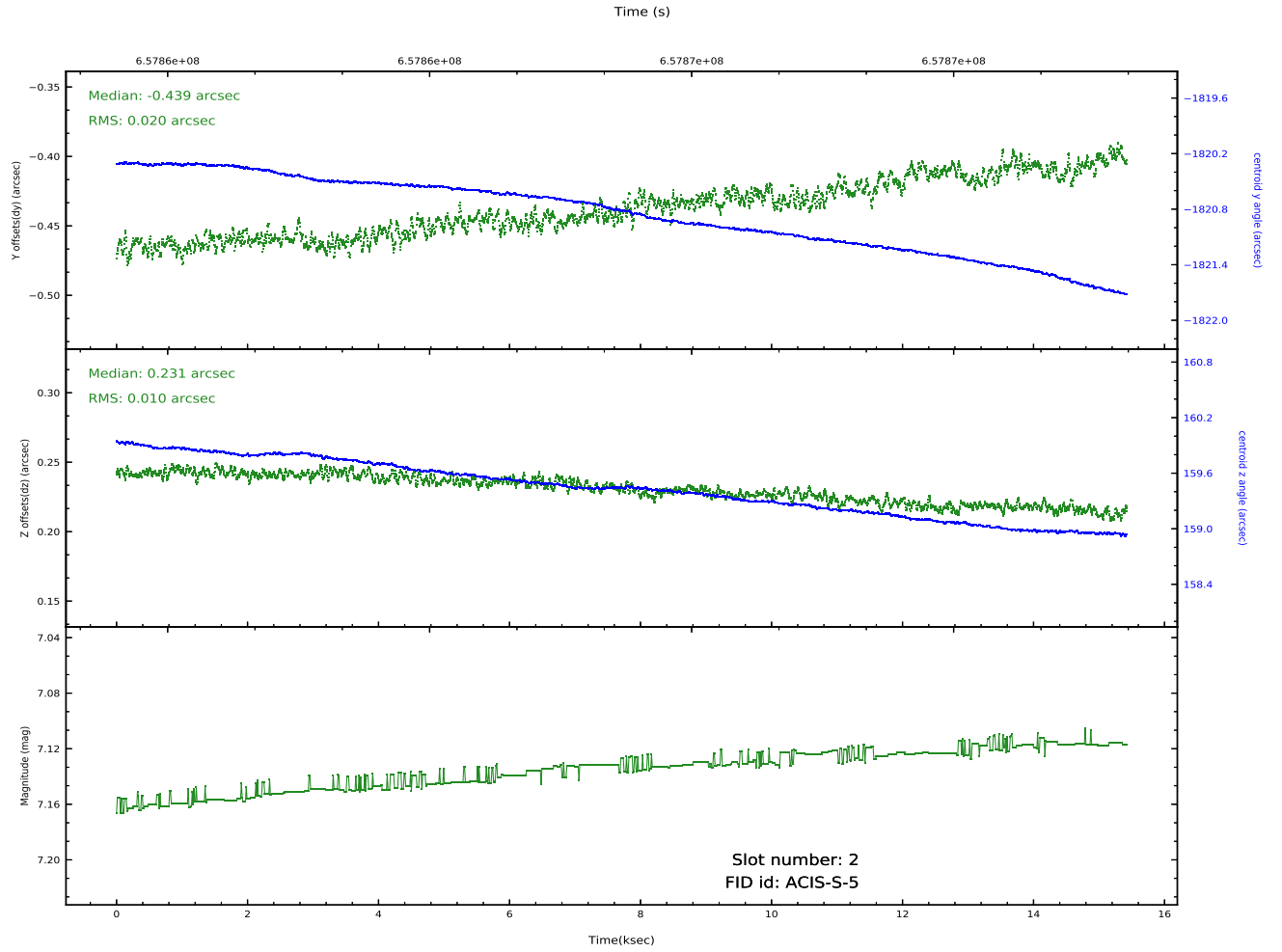
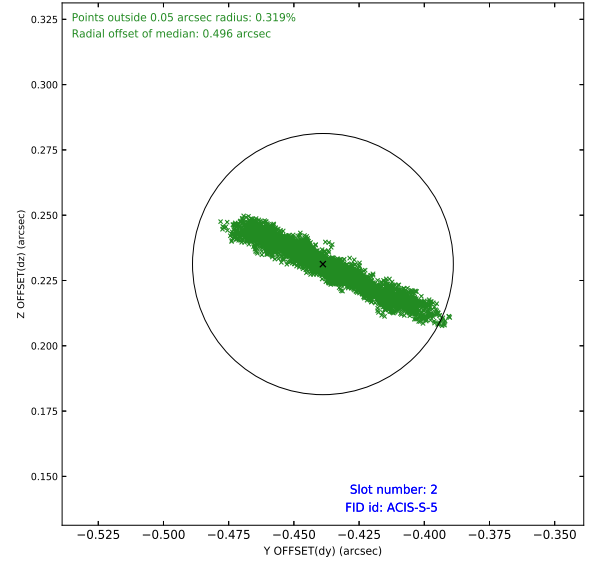
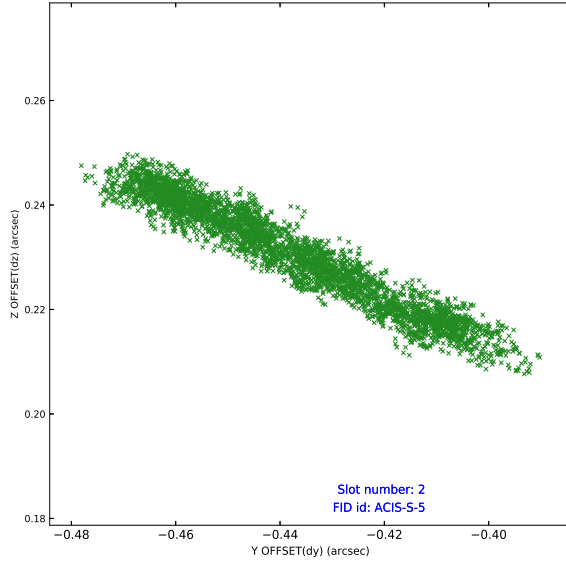
2.5.1 Slot 0



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)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.089763710499

A.2 Comments