

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20997 - L2 Version 2
Chandra X-Ray Center

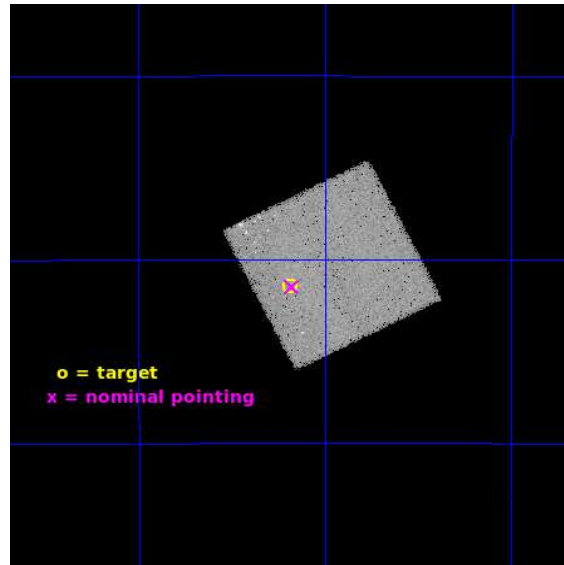
L2 Processing Date : Oct 25 2020

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1 Front

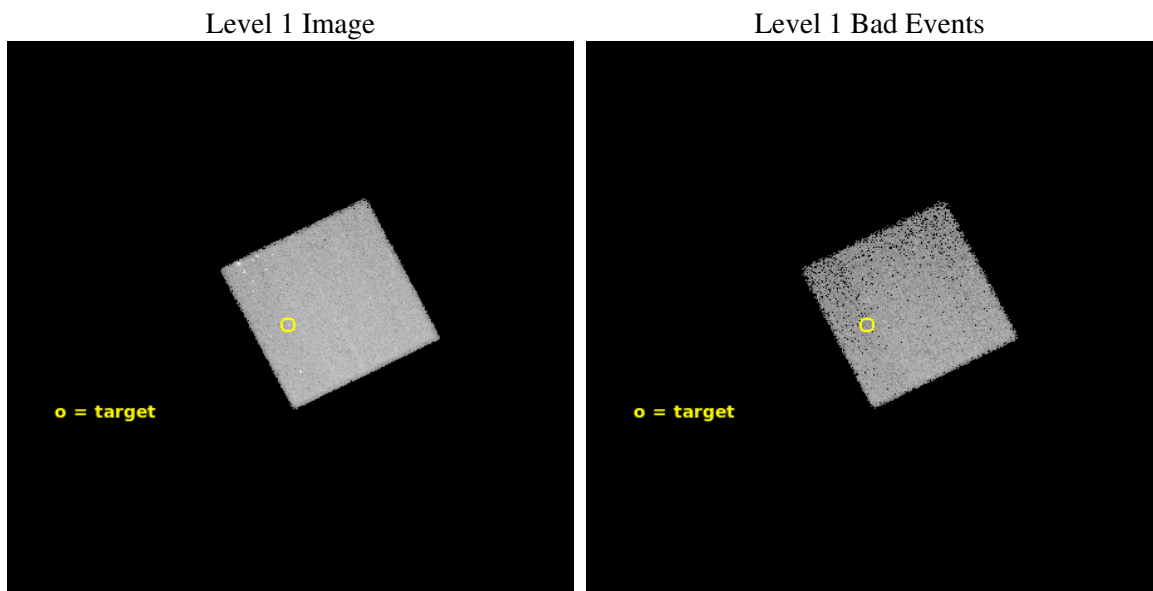
seq_num	503043	Sequence number
obs_id	20997	Observation id
title	Zeroing in on the Mass Loss Properties of Core Collapse Supernova Progenitors	Proposal title
observer	Daniel Patnaude	Principal investigator
object	SN 2011ja	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.29625	Observer's specified target RA [deg]
dec_targ	-49.524167	Observer's specified target Dec [deg]
ra_nom	196.29424526233	Nominal RA [deg]
dec_nom	-49.524687833919	Nominal Dec [deg]
roll_nom	333.15389130396	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20990.564365864	Sum of GTIs [s]
livetime	20707.288657036	Livetime [s]
ontime7	20990.564365864	Sum of GTIs [s]
l2events	83771	Number of level 2 events



2 OBI

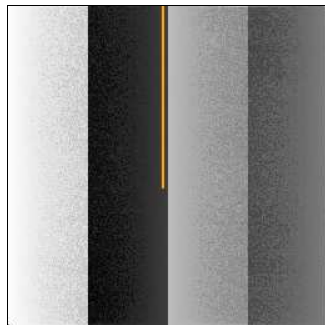
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	20990.564365864	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	20990.564365864	Sum of GTIs [s]
date	2020-10-25T15:14:10	Date and time of file creation	l1events	195445	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	195445
rejected events	108988
rejected %	55%

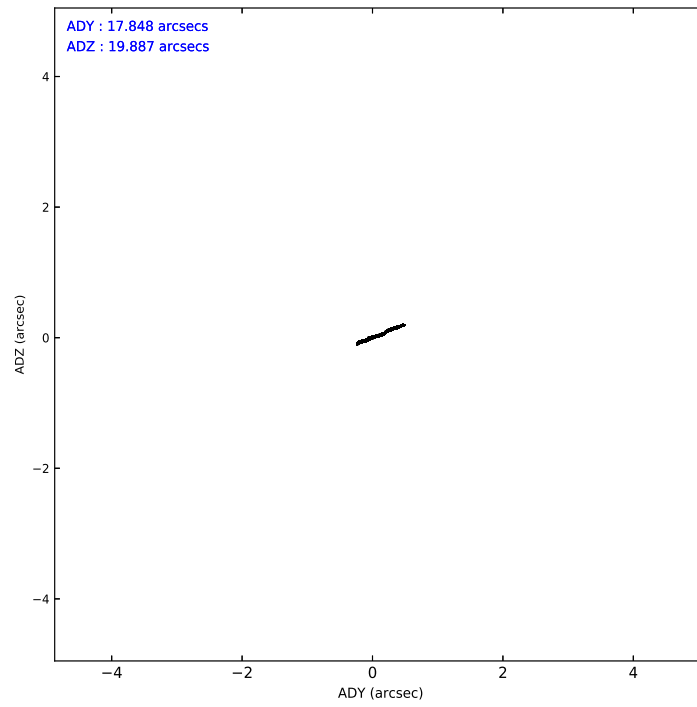
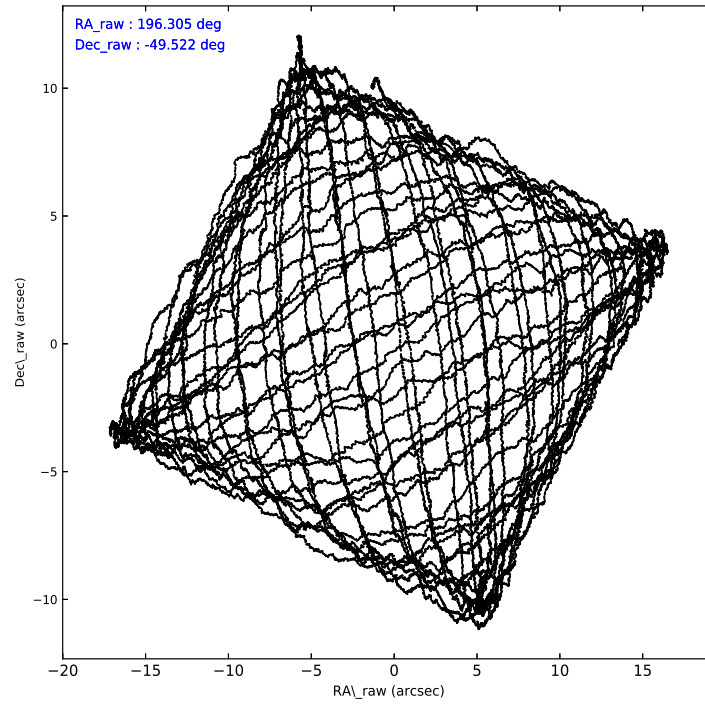
	ccd 7
grade 0 events	7475
	3%
grade 1 events	258
	0%
grade 2 events	18143
	9%
grade 3 events	7037
	3%
grade 4 events	6938
	3%
grade 5 events	18957
	9%
grade 6 events	46890
	23%
grade 7 events	89747
	45%

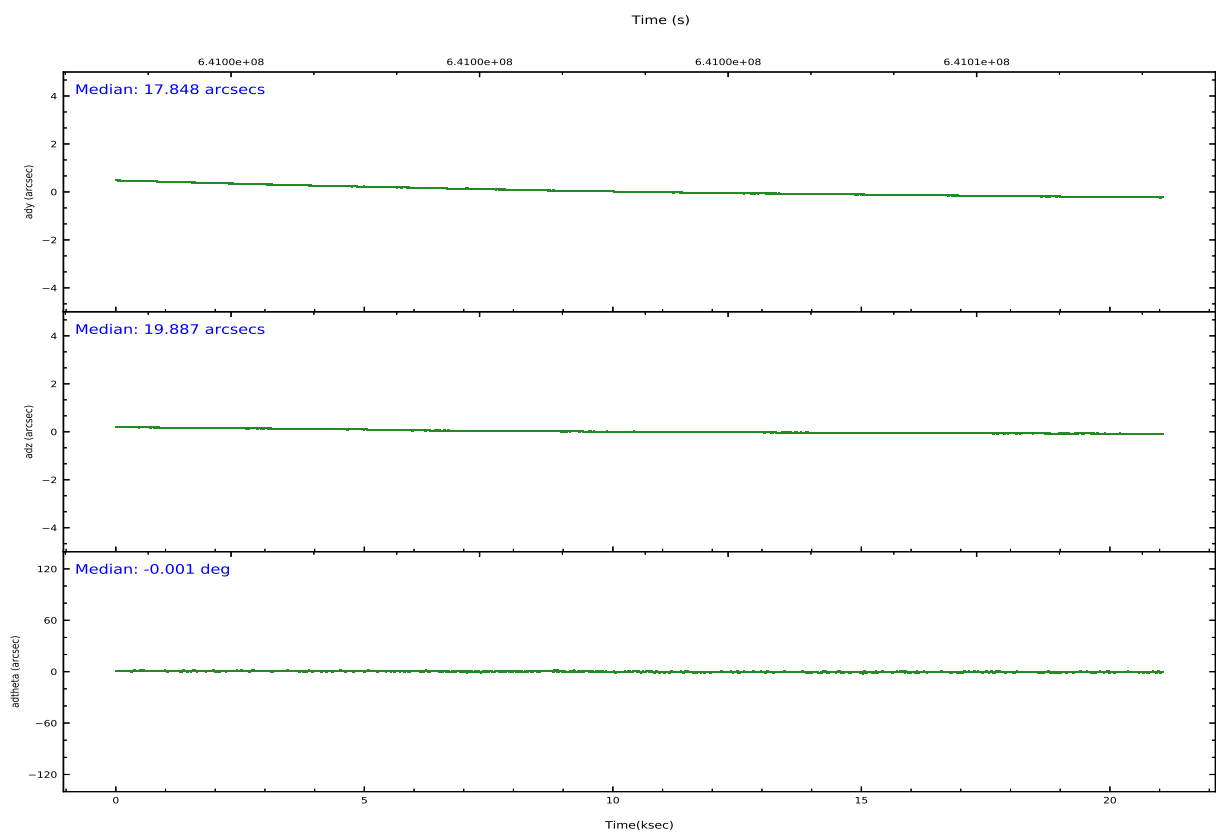
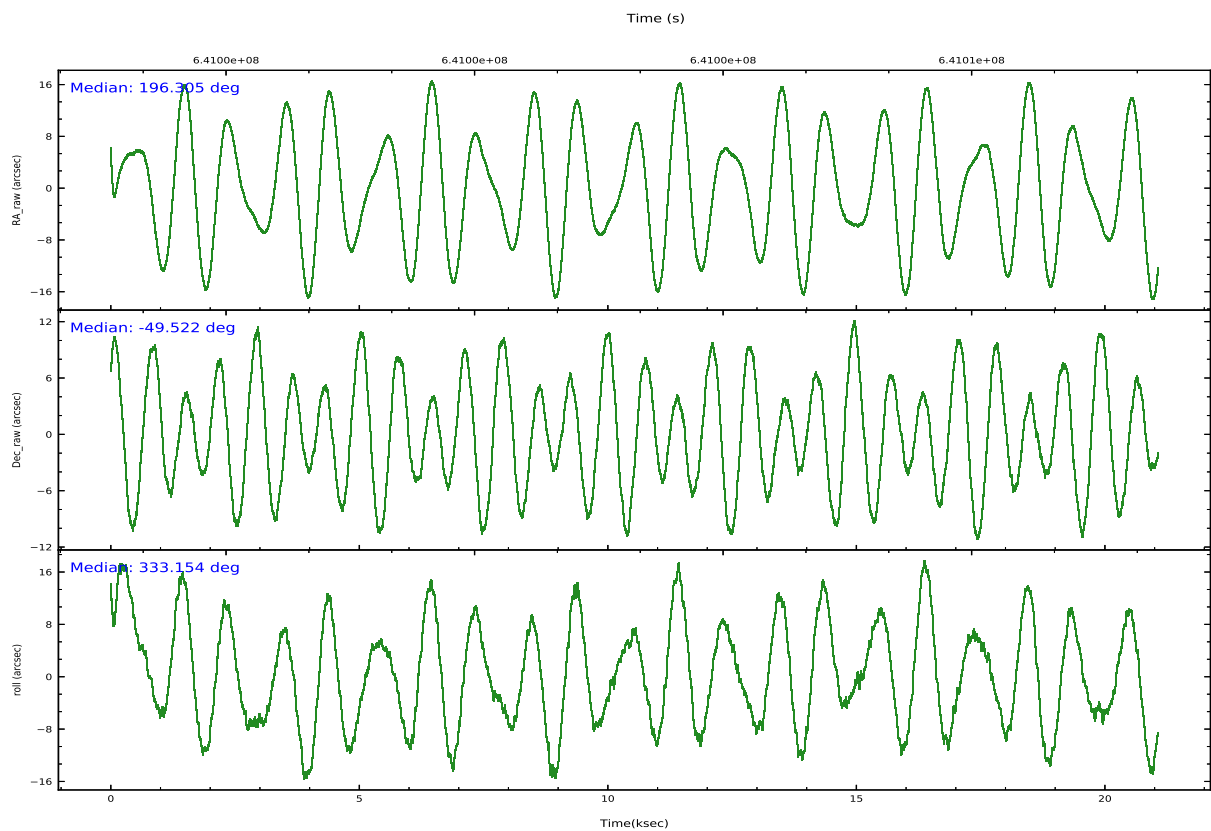
2.2 Compared Parameters

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	196.263265	196.29424526233
[deg] Pointing Dec	-49.523881	-49.524687833919
[deg] Pointing Roll	332.974909	333.15389130396
[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)	640992853.184000	640991540.1819299
Observation start date	2018-04-24T21:33:04	2018-04-24T21:12:20
[s] Observation end time (MET)	641013753.184000	641014643.6833
Observation end date	2018-04-25T03:21:24	2018-04-25T03:37:23
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



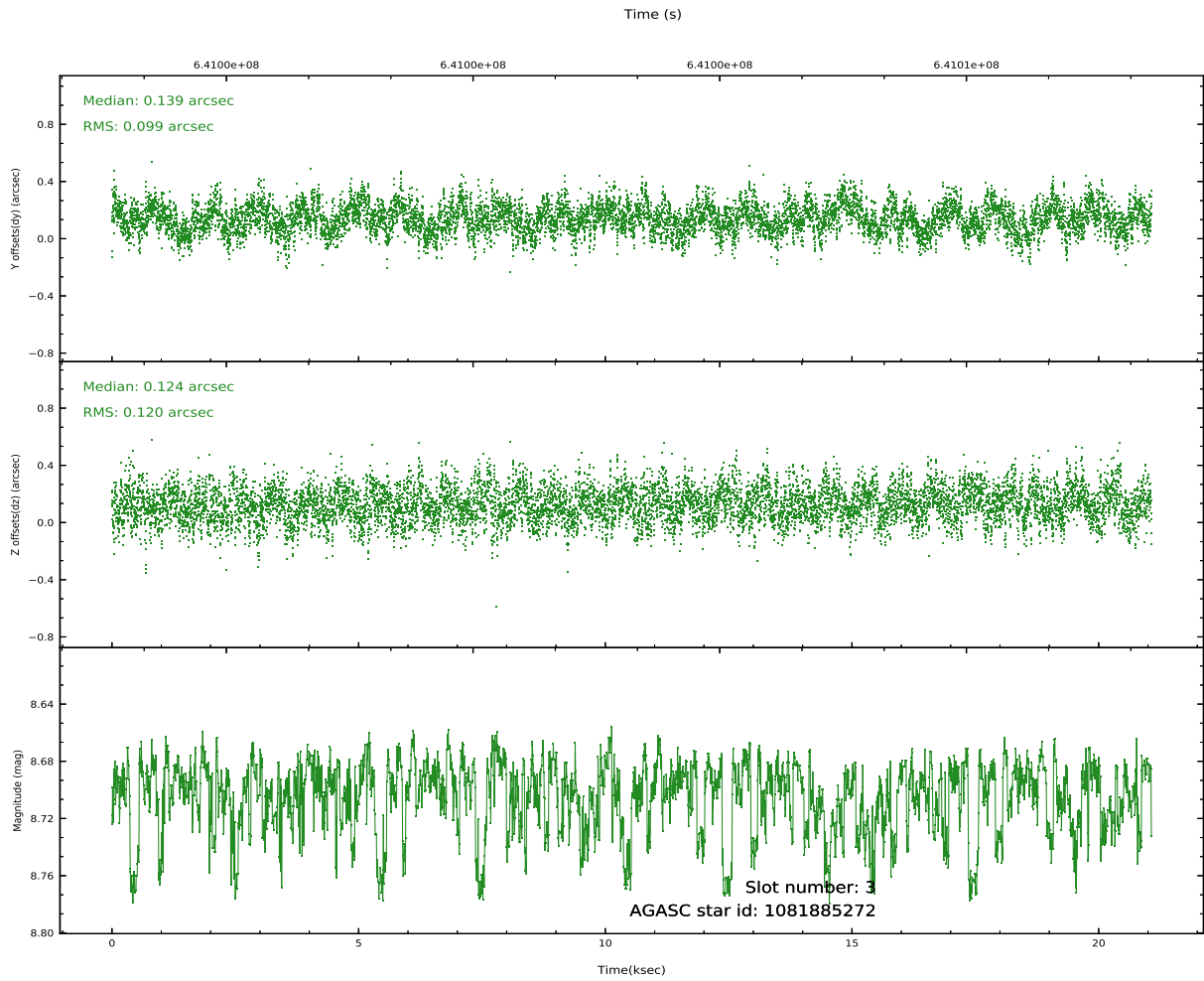
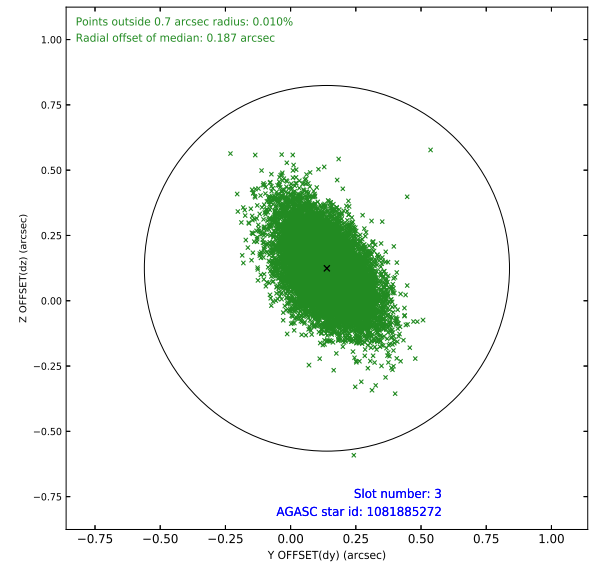
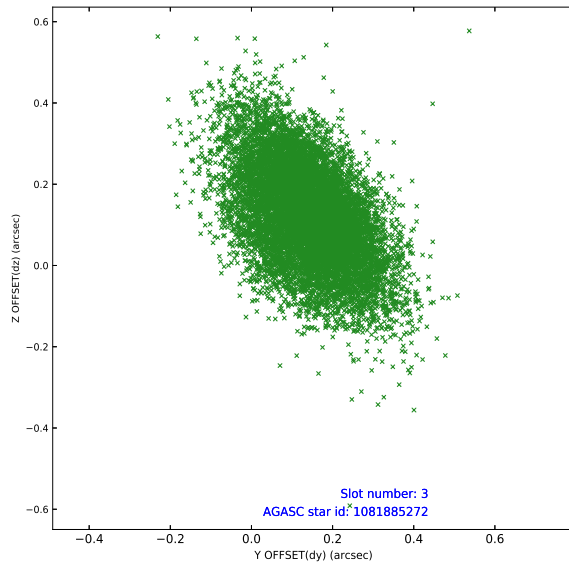


Slot Statistics

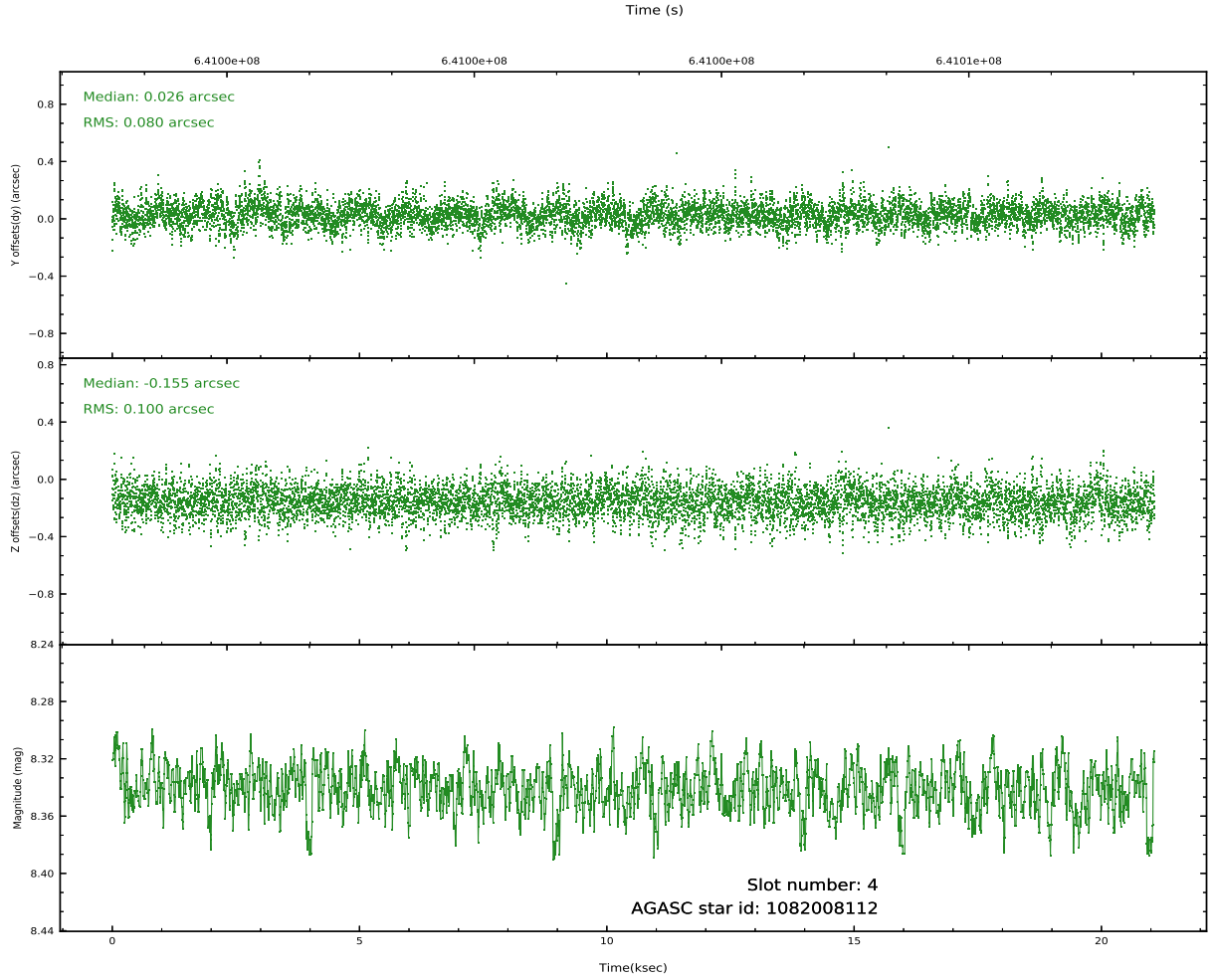
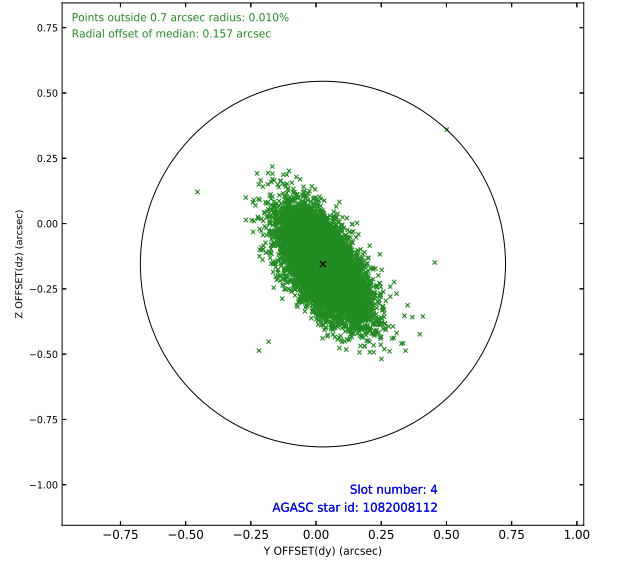
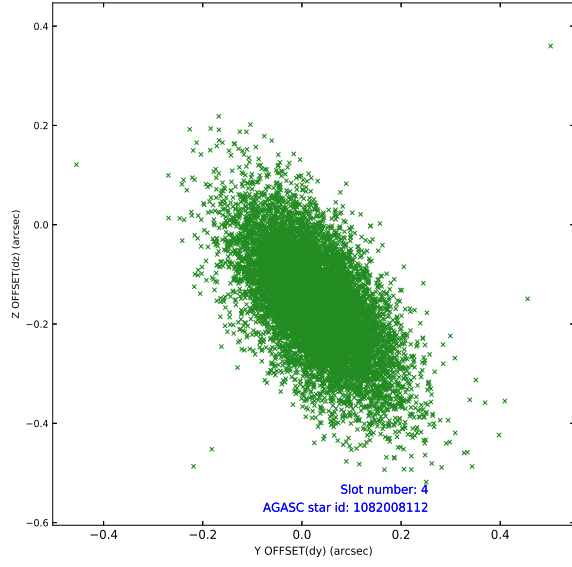
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.17	5140	1.000	0.310	-0.199	0.008	0.014	0.000000	0.000000	925.26	-1737
1	FID		ACIS-S-5	7.19	5140	1.000	-0.283	0.238	0.009	0.015	0.000000	0.000000	-1824.08	160
2	FID		ACIS-S-6	7.34	5140	1.000	-0.048	-0.028	0.008	0.014	0.000000	0.000000	390.48	804
3	GUIDE	used	1081885272	8.70	10269	1.000	0.139	0.124	0.161	0.278	196.299461	-50.245474	1255.83	-2275
4	GUIDE	used	1082008112	8.34	10276	1.000	0.026	-0.155	0.129	0.237	197.377739	-49.248431	1891.52	2056
5	GUIDE	used	1082011856	8.11	10274	1.000	-0.107	-0.090	0.164	0.291	197.058878	-49.171293	1096.08	1973
6	GUIDE	used	1082006648	8.24	10201	1.000	0.110	-0.023	0.133	0.245	197.274351	-49.494968	2065.93	1152
7	GUIDE	used	1081881656	8.15	10268	1.000	-0.168	0.147	0.143	0.253	196.213950	-49.649201	103.06	-454

2.4 Star Slots

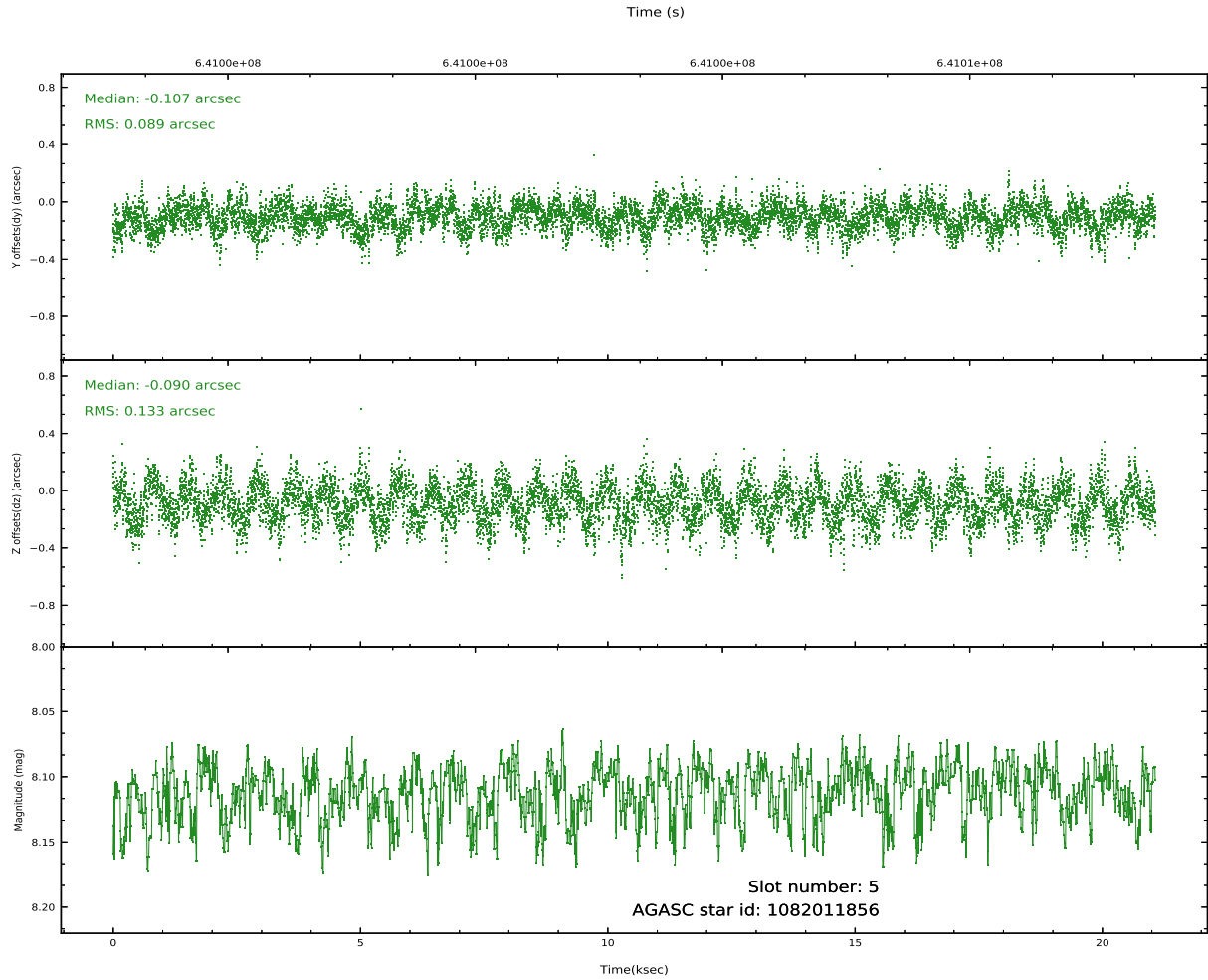
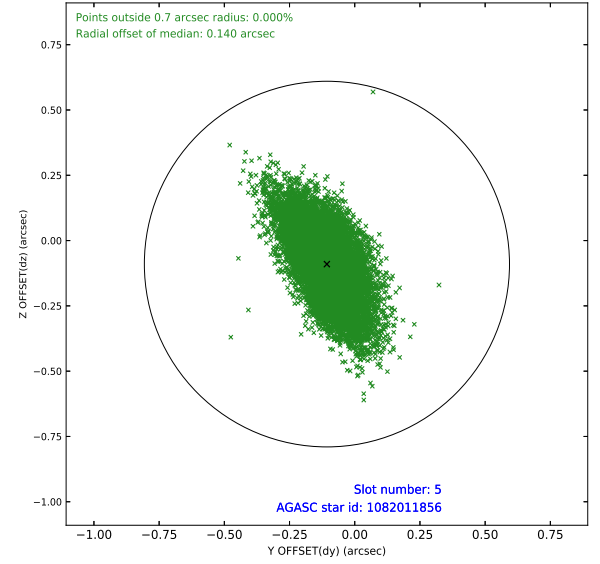
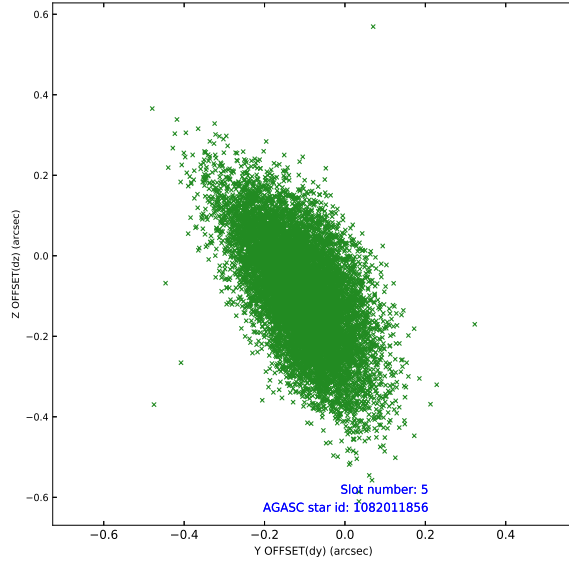
2.4.1 Slot 3



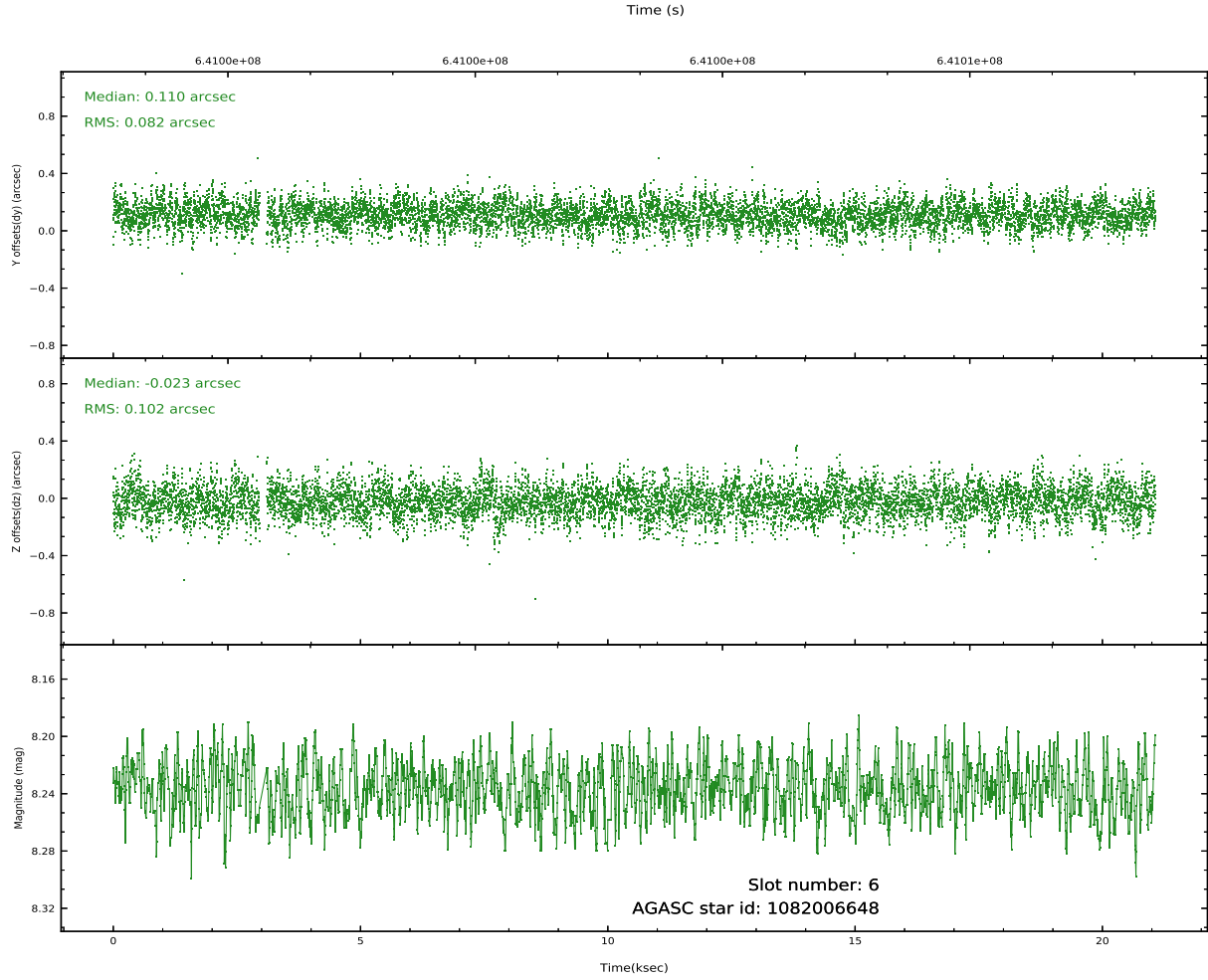
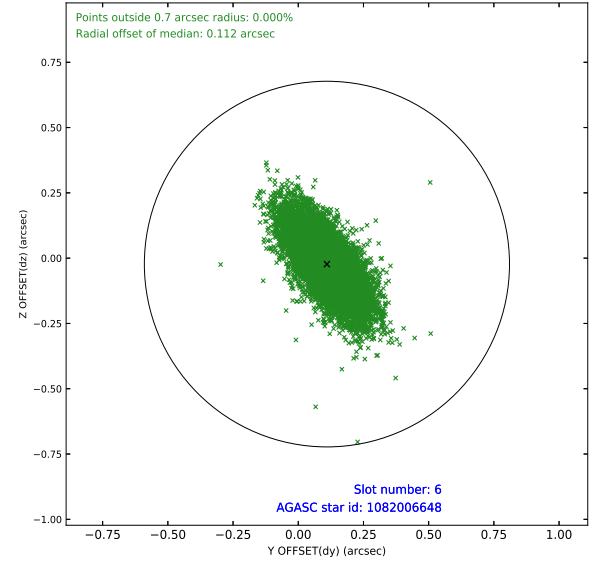
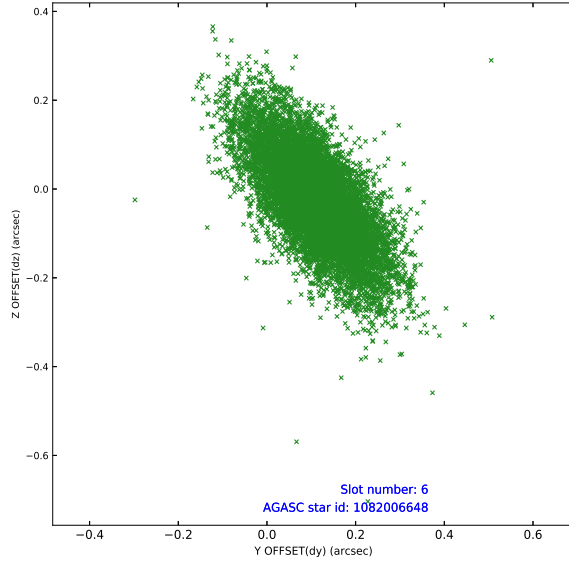
2.4.2 Slot 4



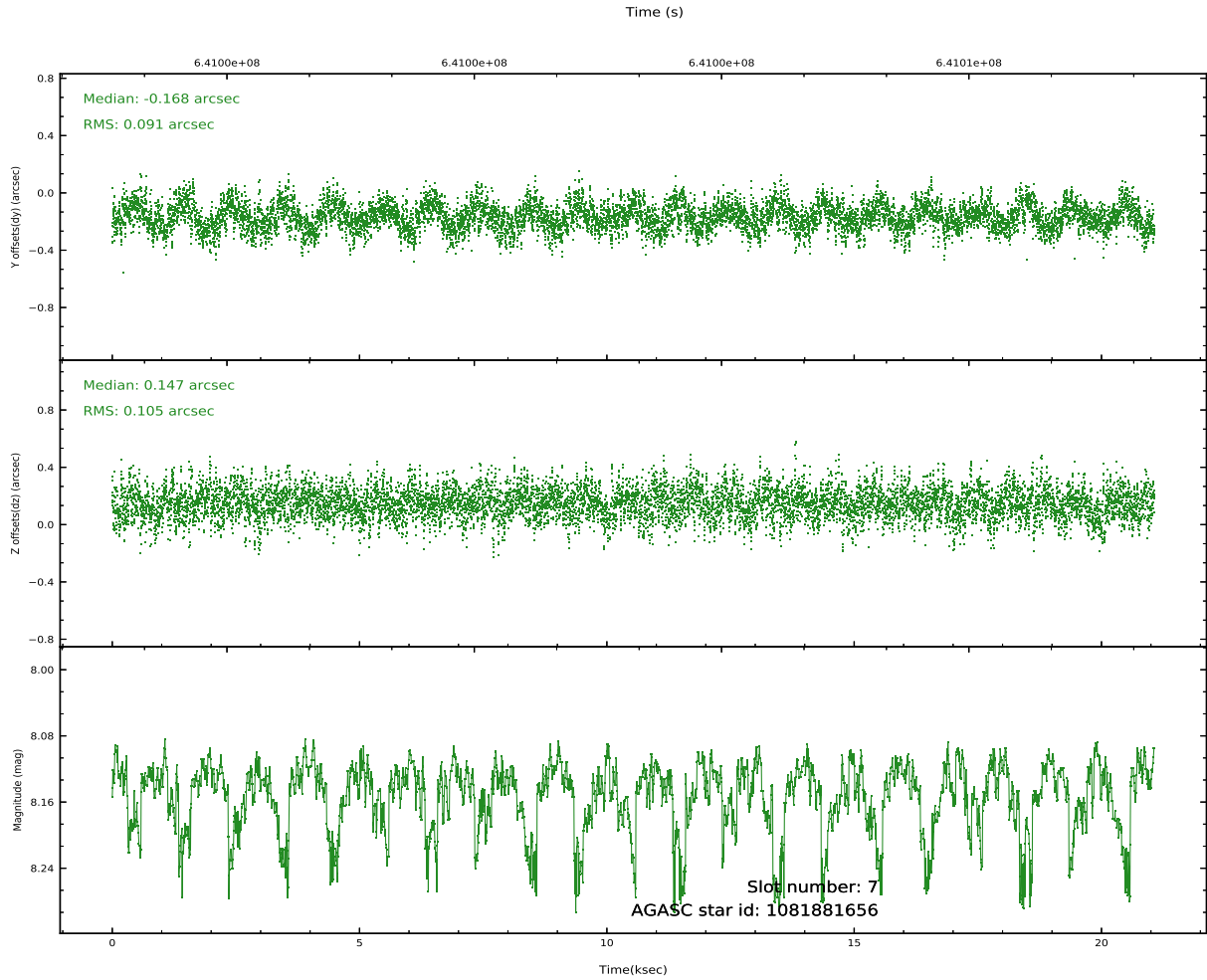
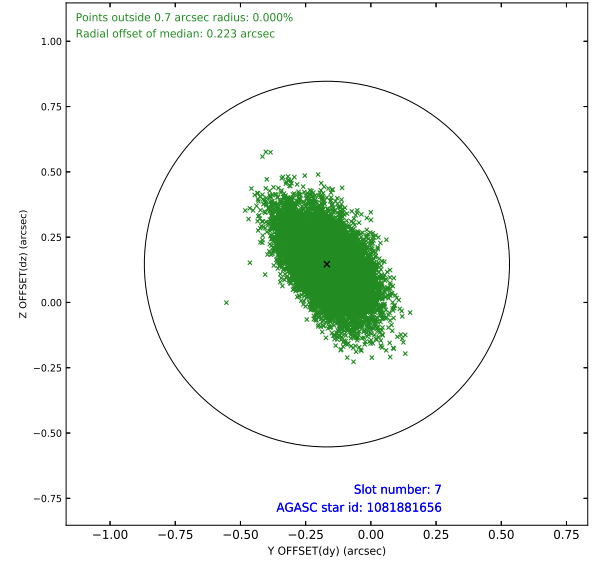
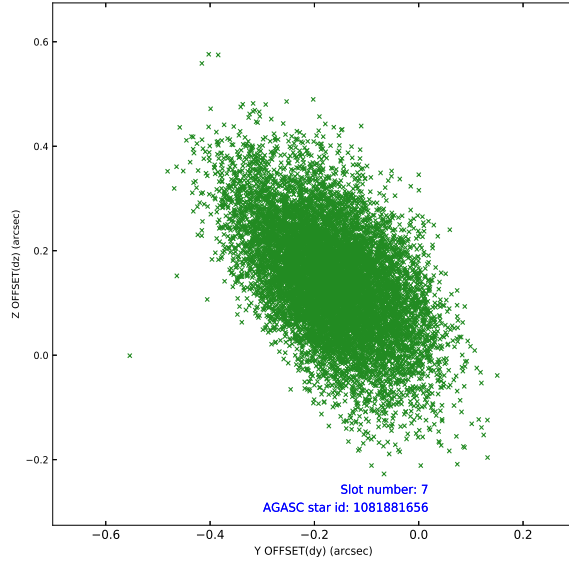
2.4.3 Slot 5



2.4.4 Slot 6

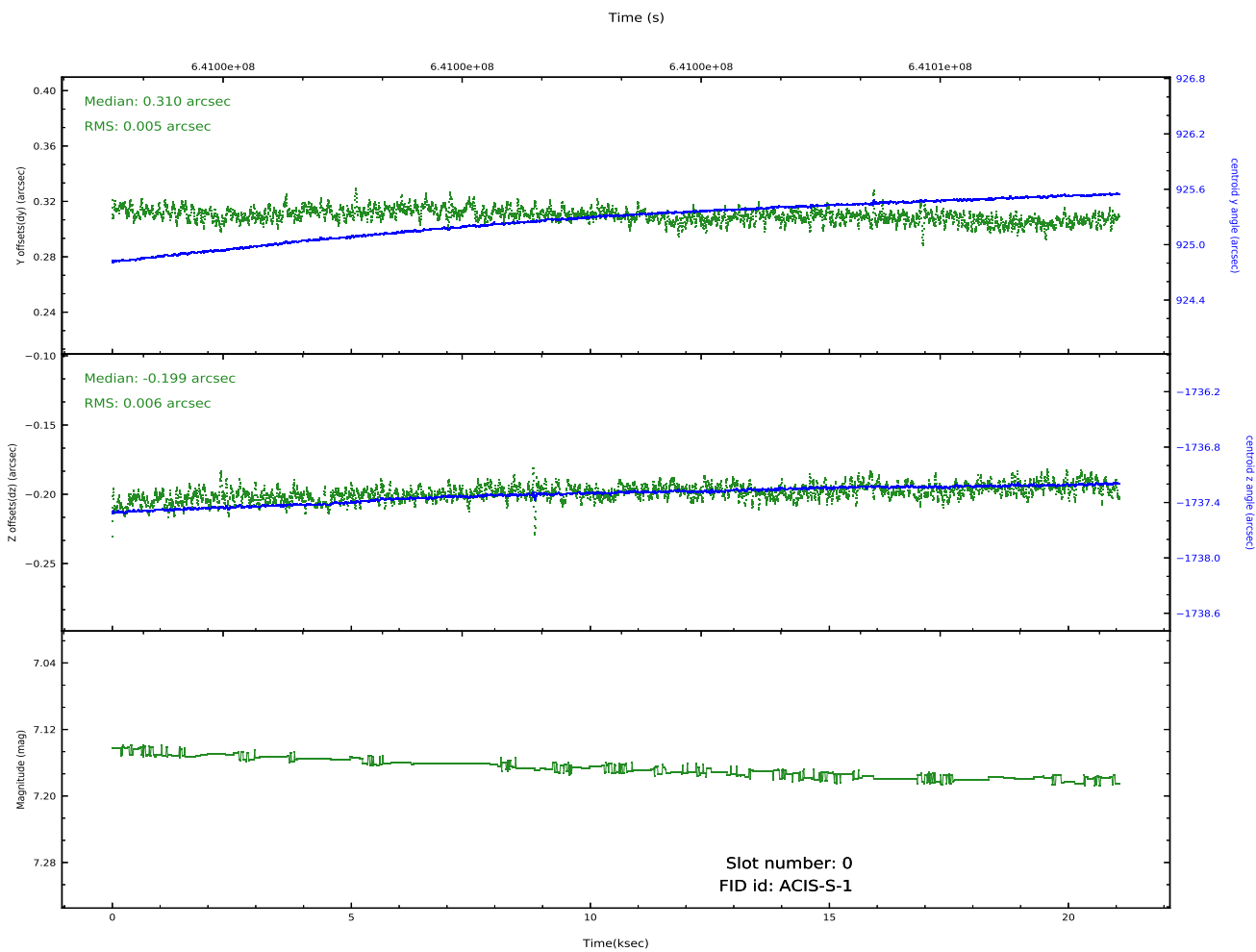
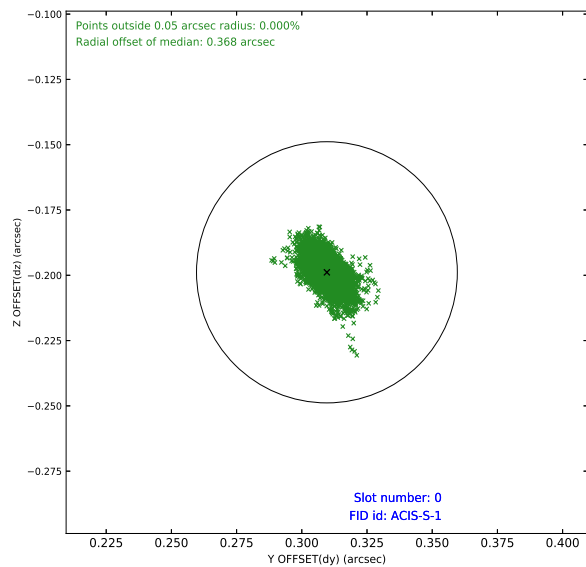
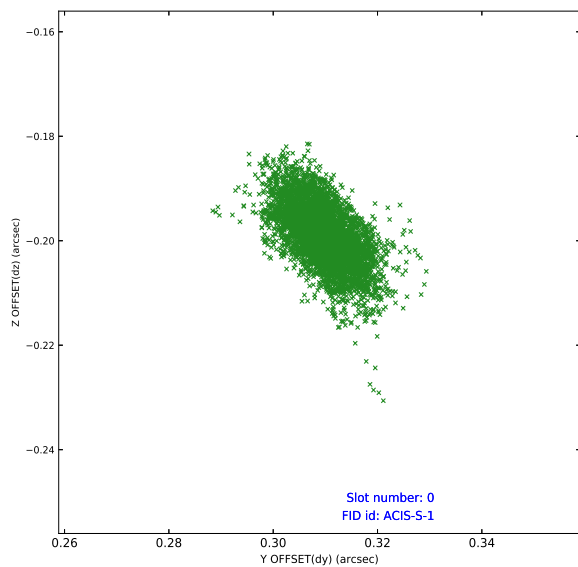


2.4.5 Slot 7

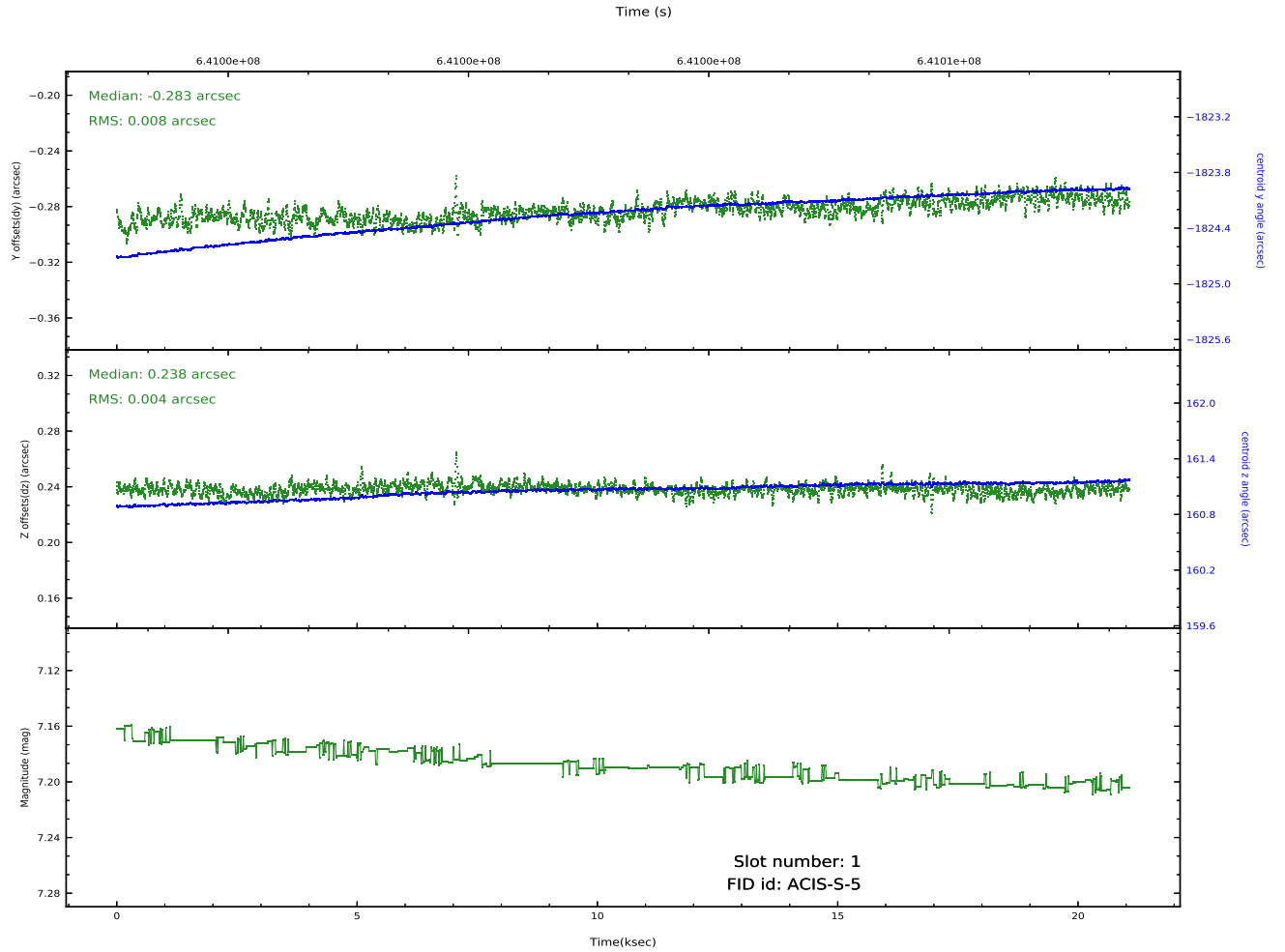
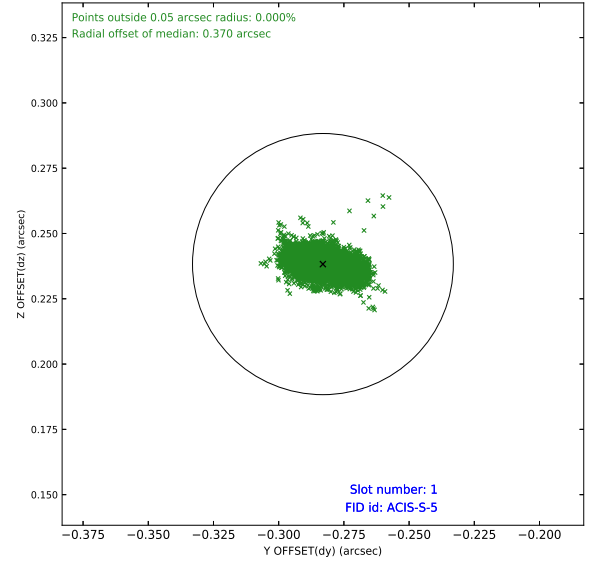
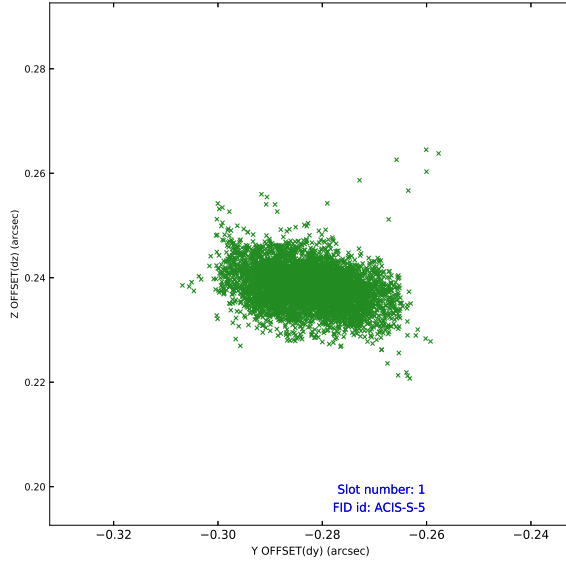


2.5 FID Slots

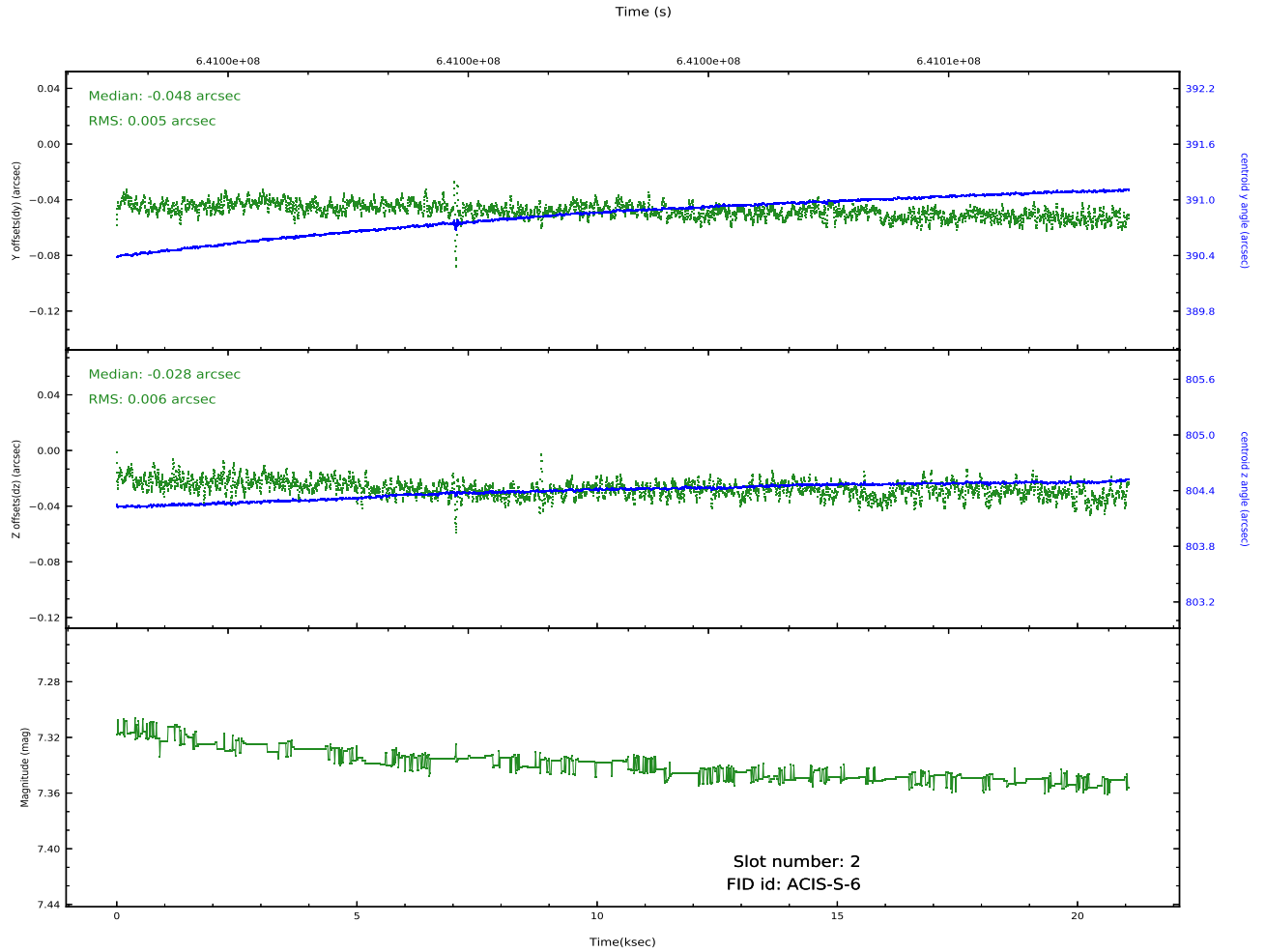
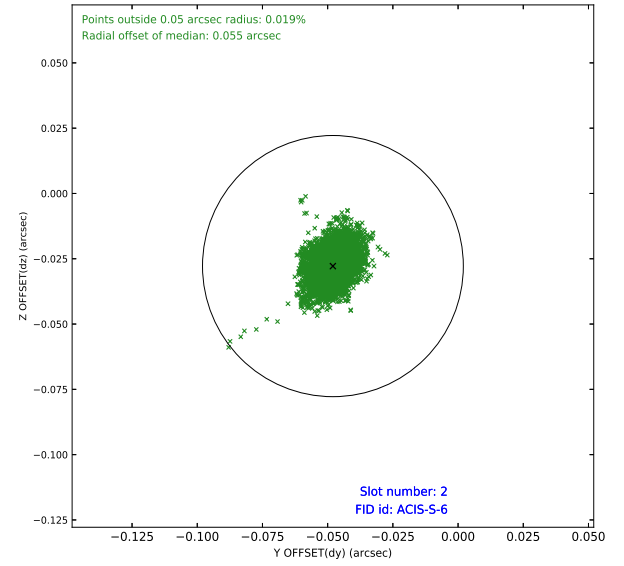
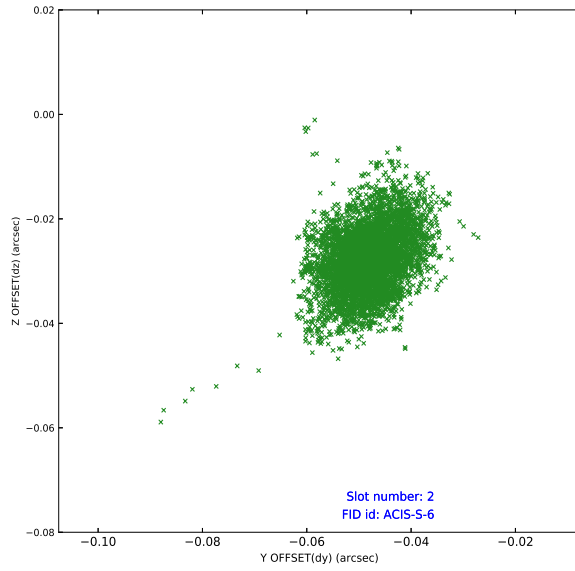
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.990564363837

A.2 Comments