

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20427 - L2 Version 2
Chandra X-Ray Center

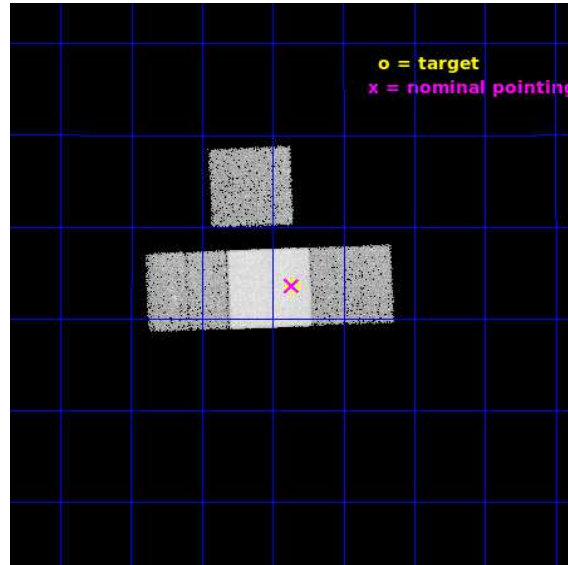
L2 Processing Date : Oct 25 2020

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1 Front

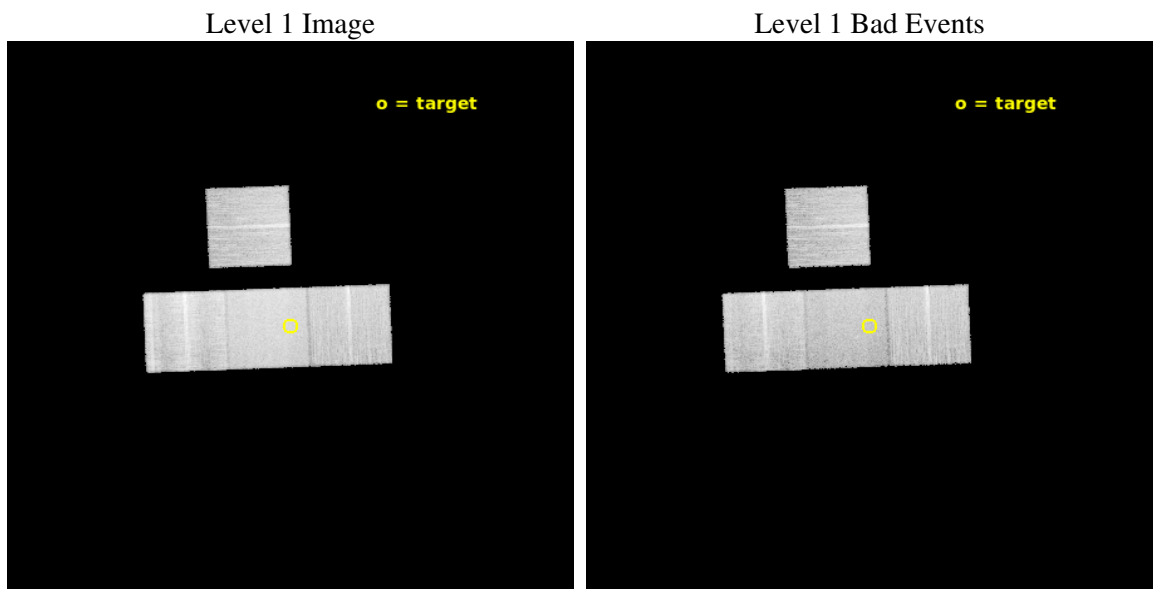
seq_num	703532	Sequence number
obs_id	20427	Observation id
title	X-Ray properties of Post-Merger Spheroidal Galaxies: The Missing Link in Understanding the Merger-AGN connection	Proposal title
observer	Preethi Nair	Principal investigator
object	SDSS J150151.69+094333.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.465417	Observer's specified target RA [deg]
dec_targ	9.725889	Observer's specified target Dec [deg]
ra_nom	225.46604602871	Nominal RA [deg]
dec_nom	9.7268764348898	Nominal Dec [deg]
roll_nom	177.73418505047	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17070.83181119	Sum of GTIs [s]
livetime	16847.788826213	Livetime [s]
ontime3	17064.467690825	Sum of GTIs [s]
ontime6	17070.790771246	Sum of GTIs [s]
ontime7	17070.83181119	Sum of GTIs [s]
ontime8	17067.567631125	Sum of GTIs [s]
l2events	107099	Number of level 2 events



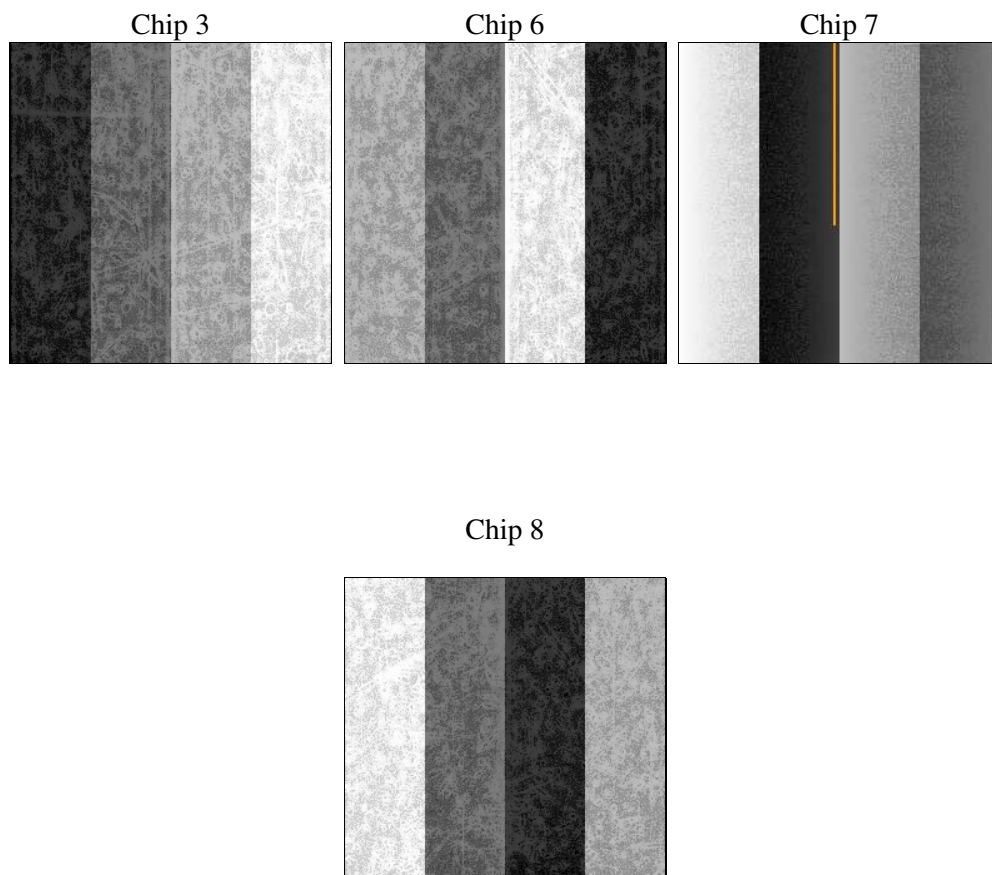
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	17070.83181119	Sum of GTIs [s]
caldsver	4.9.3	 	ontime3	17064.467690825	Sum of GTIs [s]
date	2020-10-25T21:10:53	Date and time of file creation	ontime6	17070.790771246	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	17070.83181119	Sum of GTIs [s]
			ontime8	17067.567631125	Sum of GTIs [s]
			l1events	573070	Number of level 1 events

2.1.4 Events

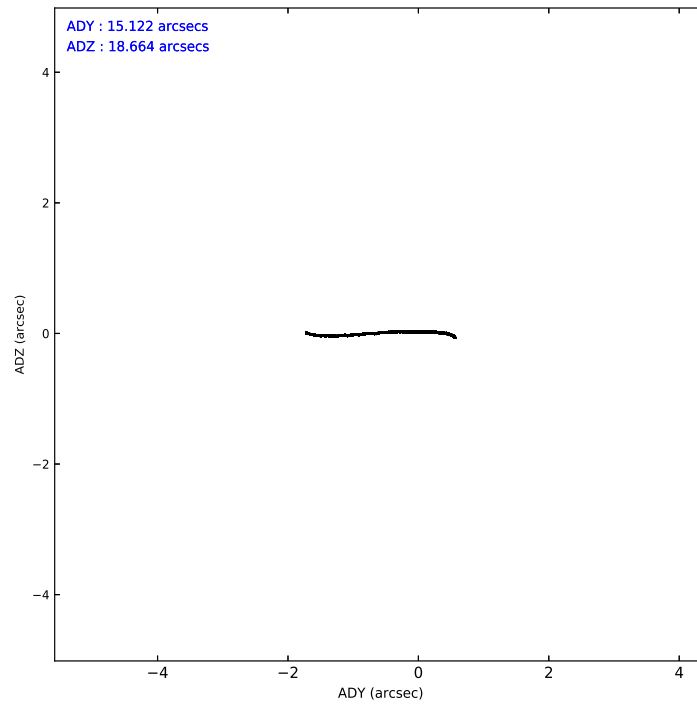
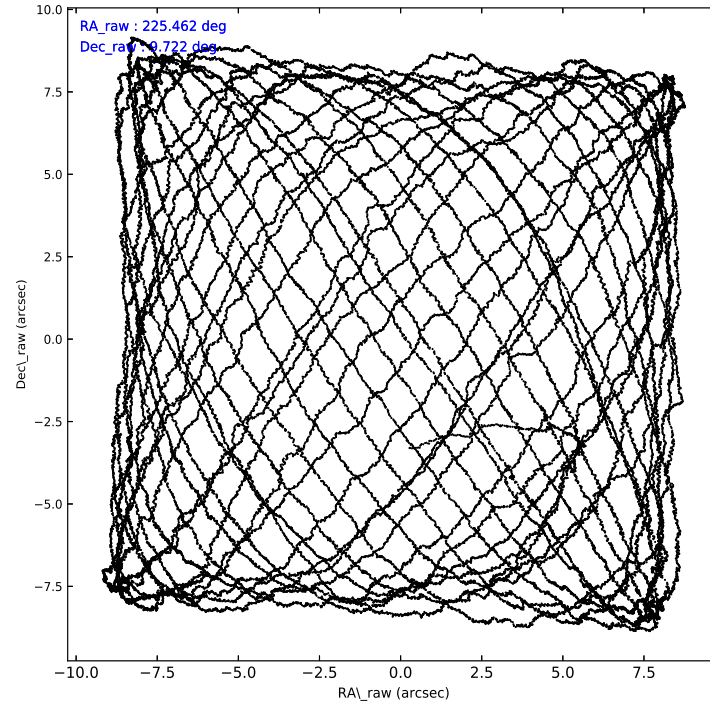
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	119993	127159	162441	163477
rejected events	106939	112532	91699	118078
rejected %	89%	88%	56%	72%

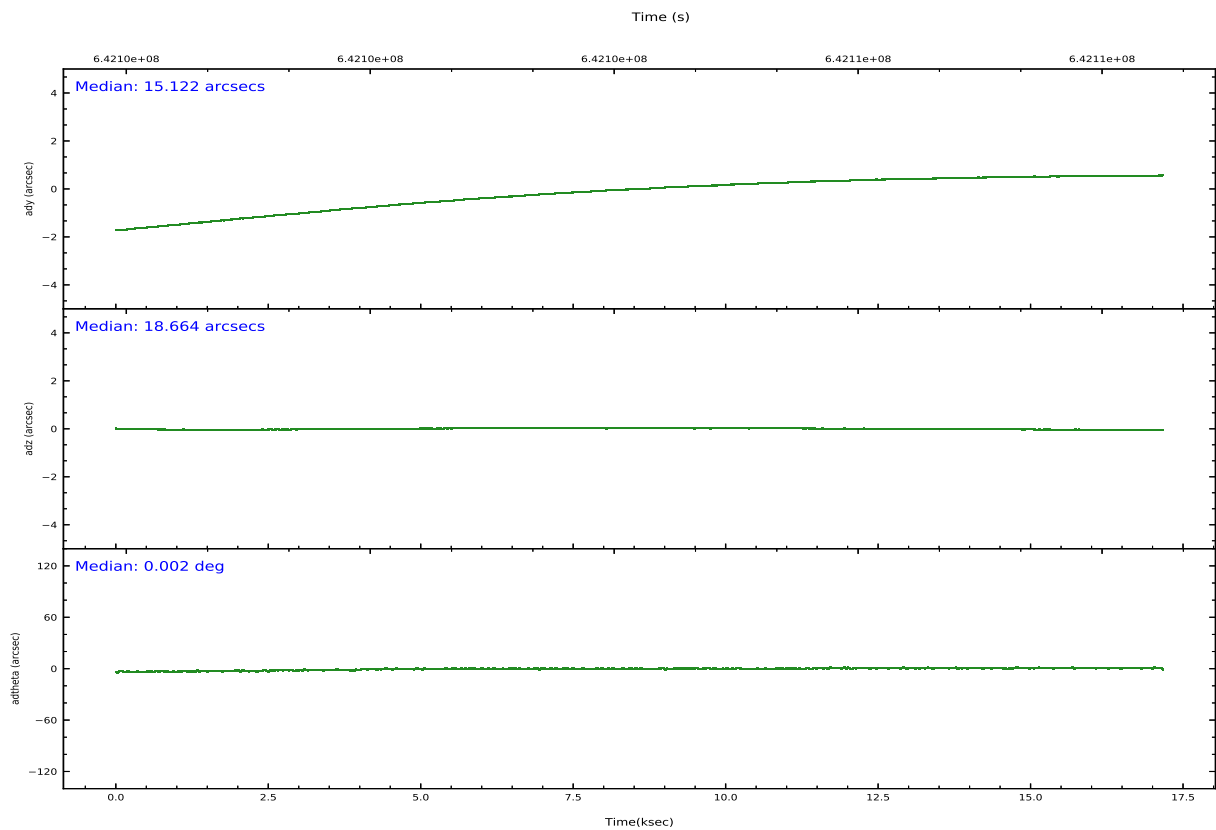
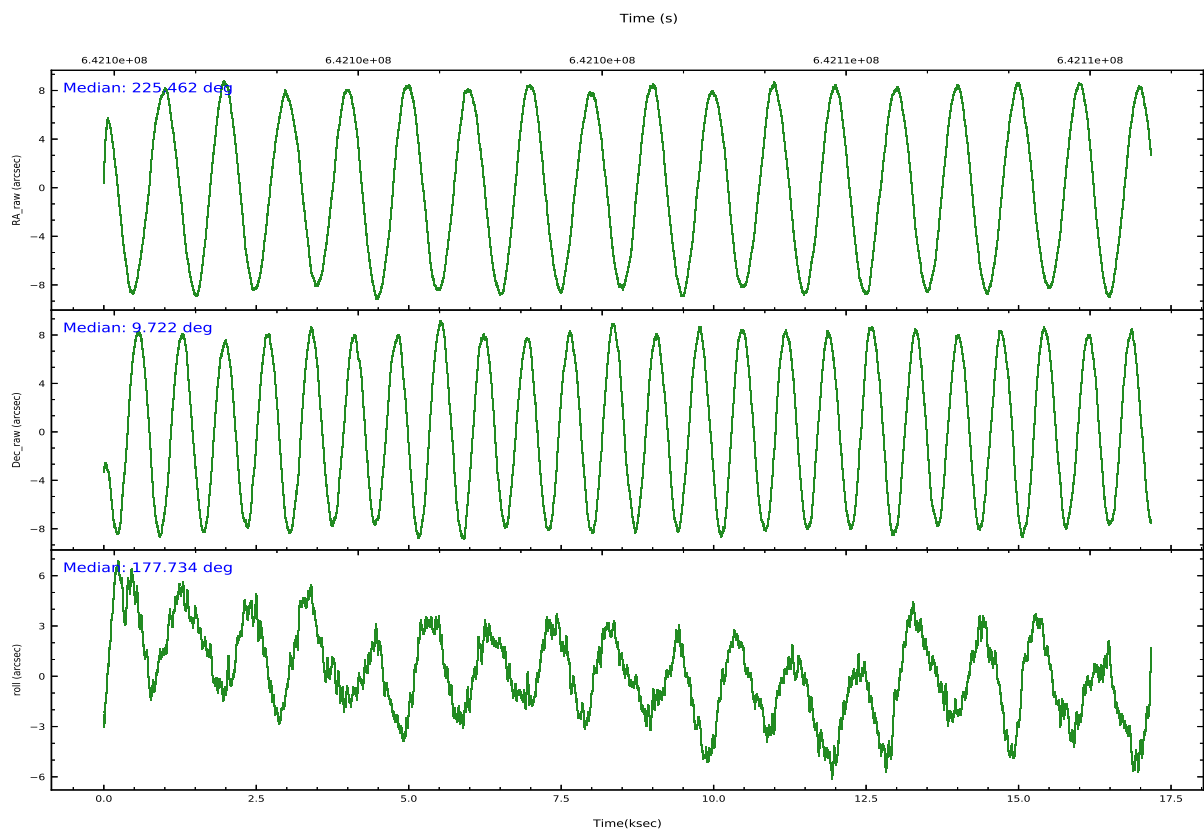
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	4626	4864	6049	12550
	3%	3%	3%	7%
grade 1 events	54	80	239	127
	0%	0%	0%	0%
grade 2 events	2845	3452	15220	11170
	2%	2%	9%	6%
grade 3 events	1428	1454	5760	4762
	1%	1%	3%	2%
grade 4 events	1338	1484	5654	4518
	1%	1%	3%	2%
grade 5 events	5902	6062	16404	8965
	4%	4%	10%	5%
grade 6 events	2820	3374	38072	12423
	2%	2%	23%	7%
grade 7 events	100980	106389	75043	108962
	84%	83%	46%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3678	ACIS-3678	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	225.485901	225.46604602871	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.734794	9.7268764348898	Alternating exposures requested	N	N
[deg] Pointing Roll	177.583769	177.73418505047	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	642096002.184000	642094965.0470999			
Observation start date	2018-05-07T15:58:53	2018-05-07T15:42:45			
[s] Observation end time (MET)	642113002.184000	642113446.82319			
Observation end date	2018-05-07T20:42:13	2018-05-07T20:50:46			
Read mode	TIMED	TIMED			

2.3 Aspect



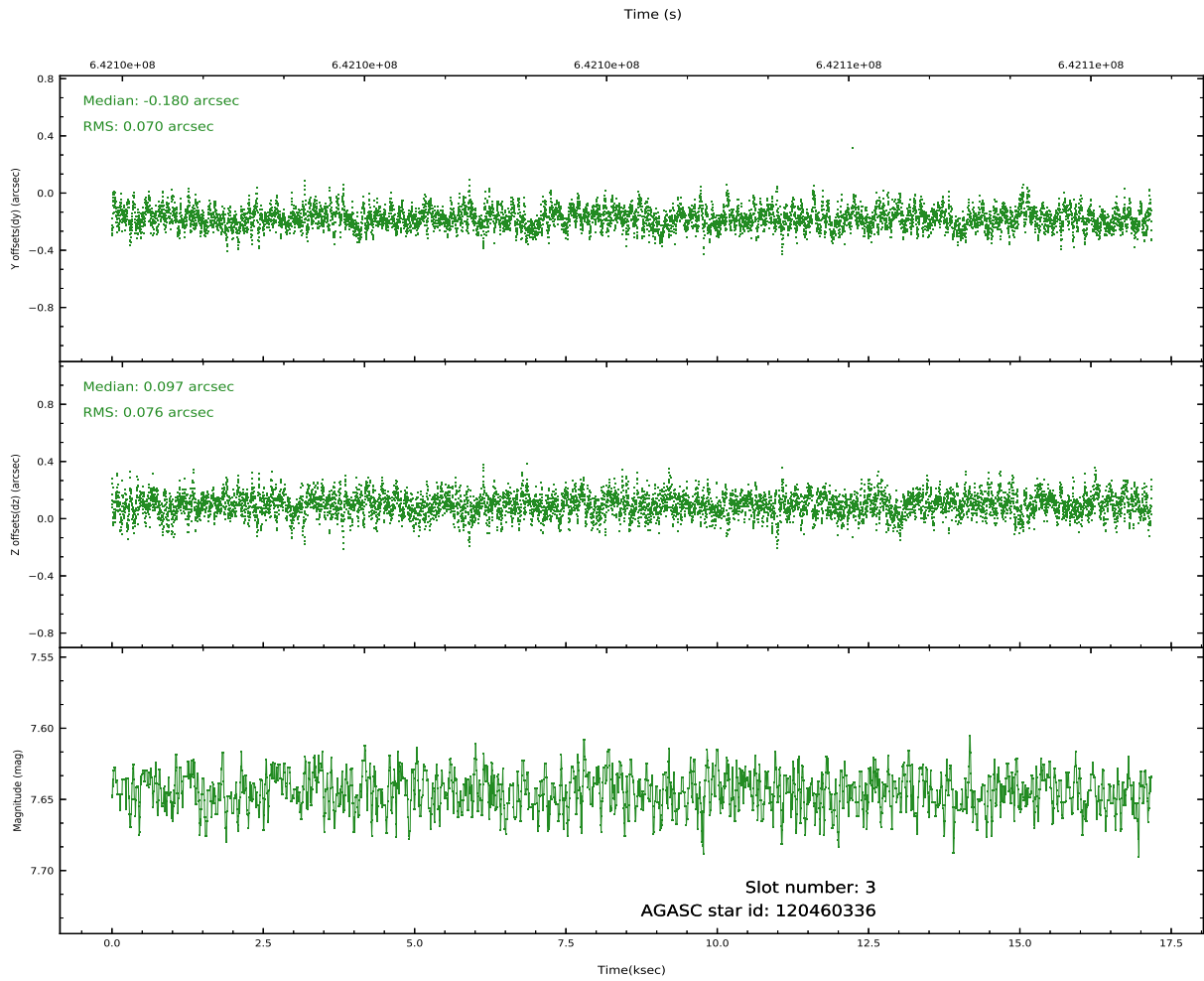
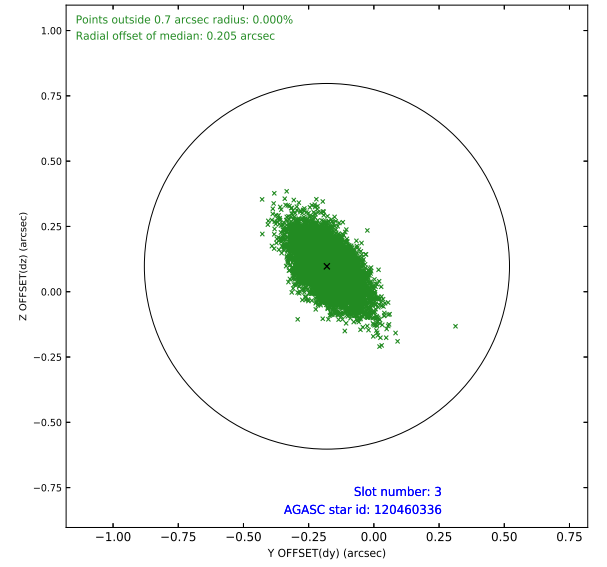
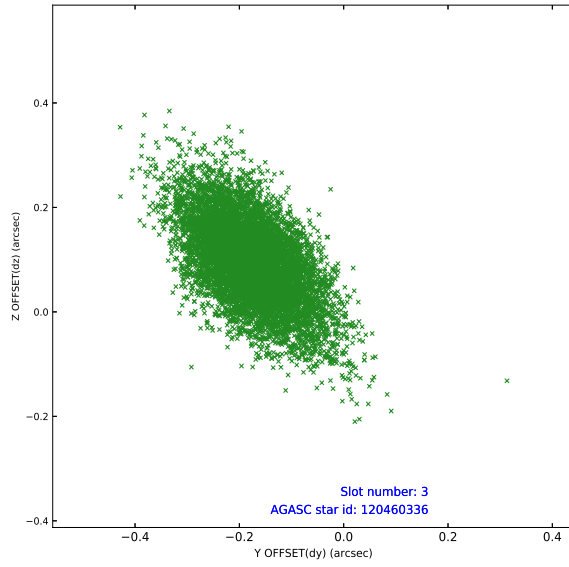


Slot Statistics

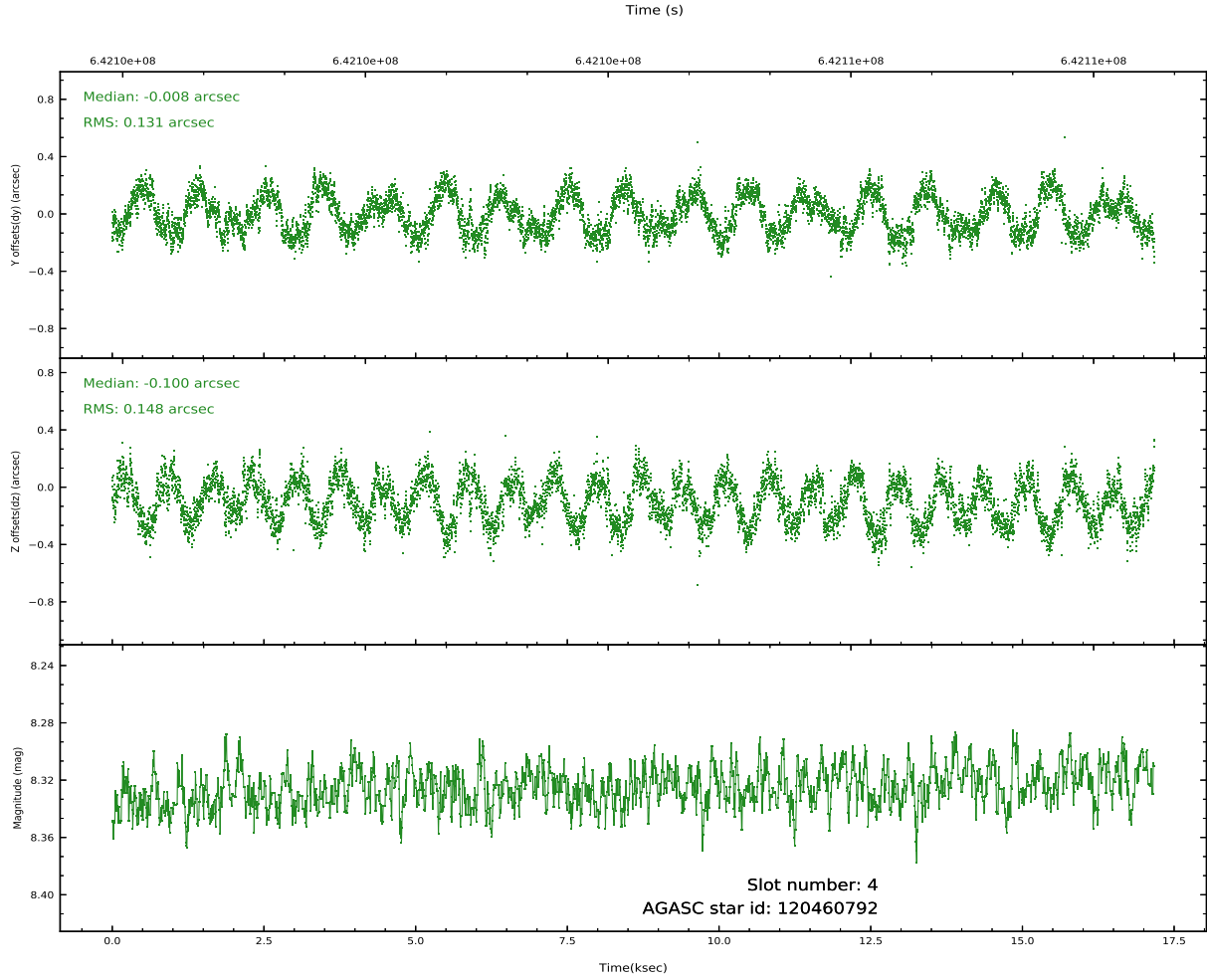
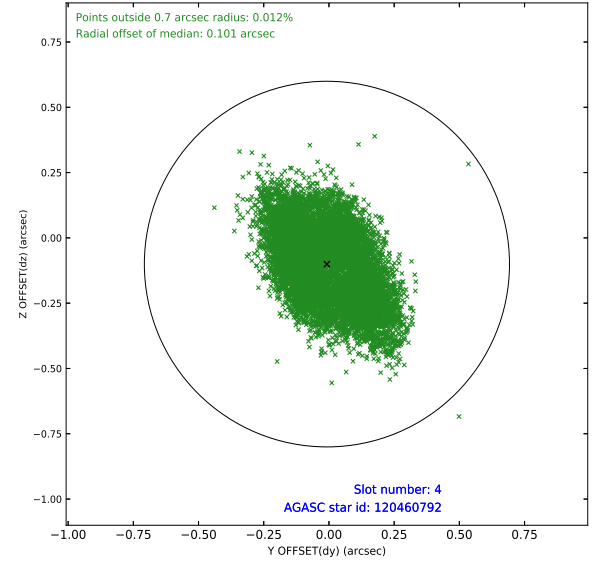
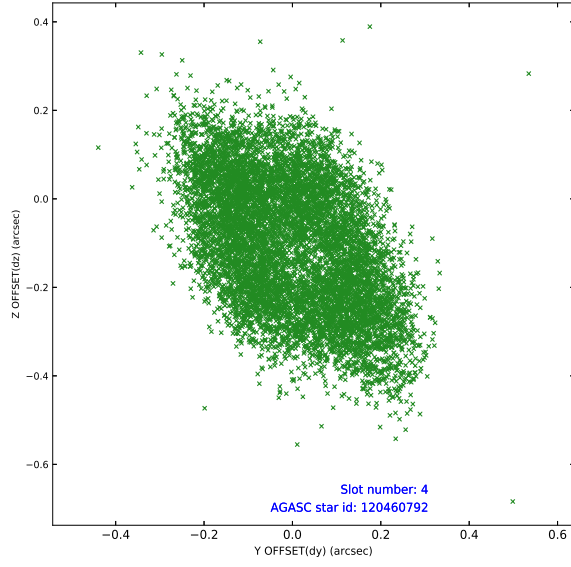
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.98	4188	1.000	0.092	-0.094	0.014	0.022	0.000000	0.000000	-767.98	-1740
1	FID		ACIS-S-4	7.09	4189	1.000	0.142	-0.020	0.018	0.027	0.000000	0.000000	2145.43	167
2	FID		ACIS-S-5	7.07	4188	1.000	-0.256	0.120	0.014	0.040	0.000000	0.000000	-1820.66	162
3	GUIDE	used	120460336	7.64	8376	1.000	-0.180	0.097	0.105	0.190	225.728020	9.502859	-894.06	798
4	GUIDE	used	120460792	8.33	8377	1.000	-0.008	-0.100	0.210	0.325	225.508118	9.187382	-161.63	1965
5	GUIDE	used	120461512	9.61	8344	1.000	0.119	-0.161	0.195	0.325	225.085458	9.938577	1452.07	-674
6	GUIDE	used	120859328	8.74	8367	1.000	0.025	-0.018	0.124	0.213	225.353432	10.362574	565.66	-2237
7	GUIDE	used	120857992	8.80	8372	1.000	0.034	0.182	0.159	0.255	225.633634	10.396915	-421.13	-2404

2.4 Star Slots

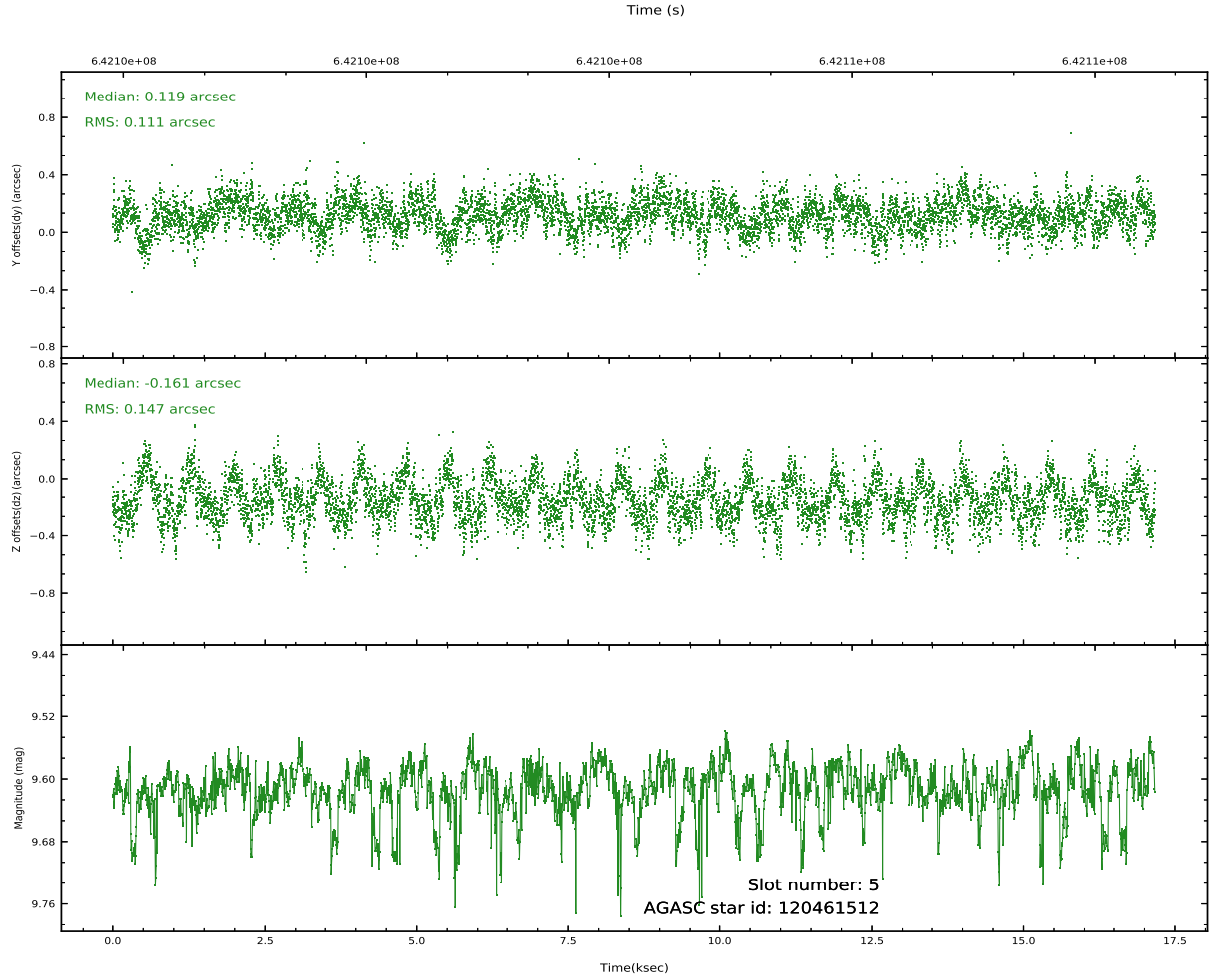
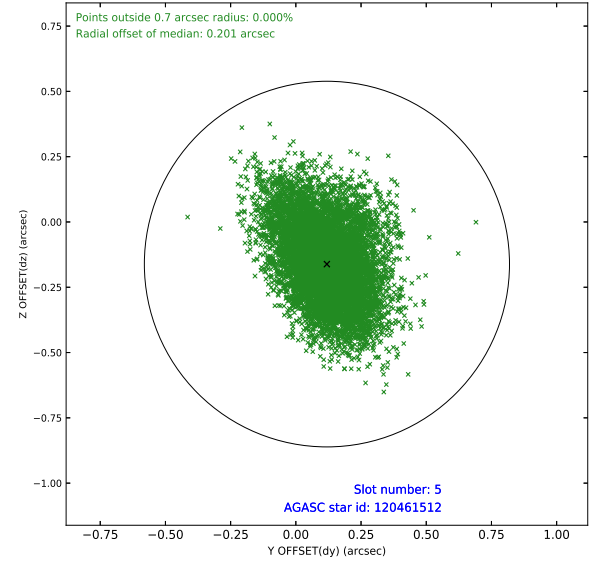
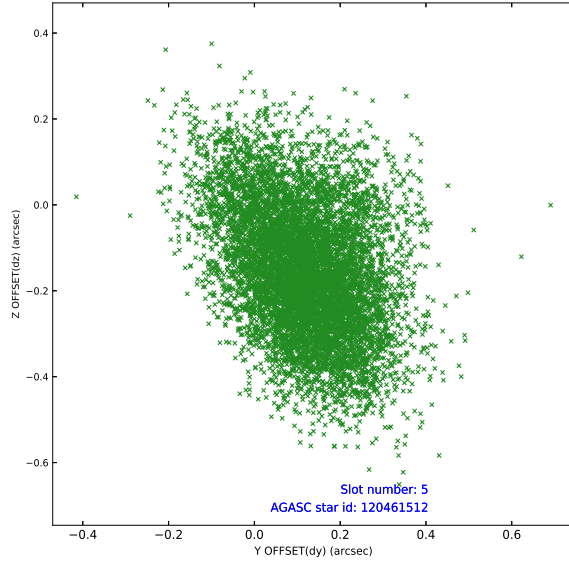
2.4.1 Slot 3



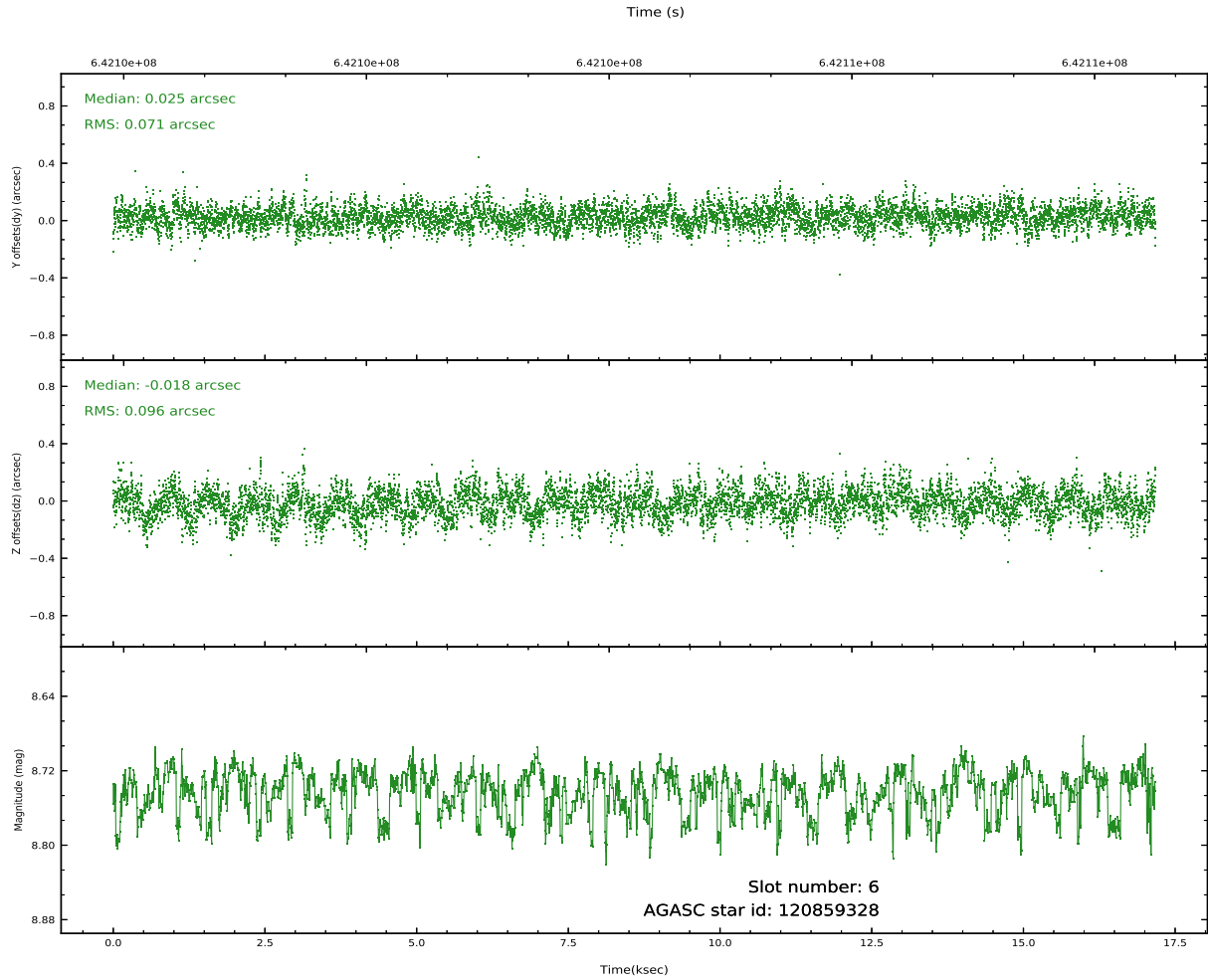
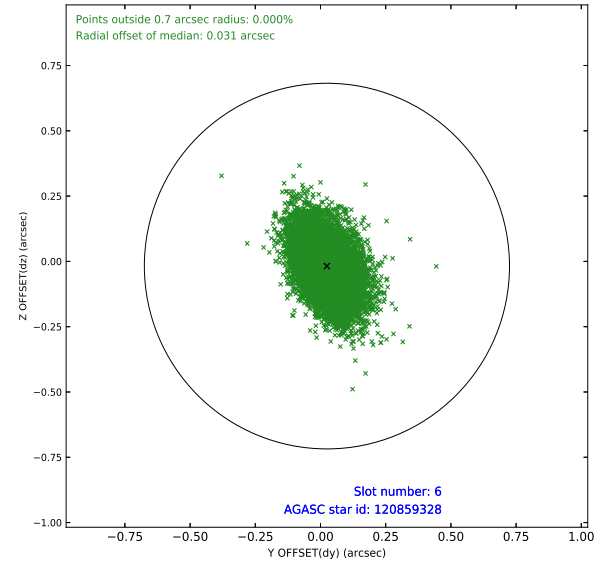
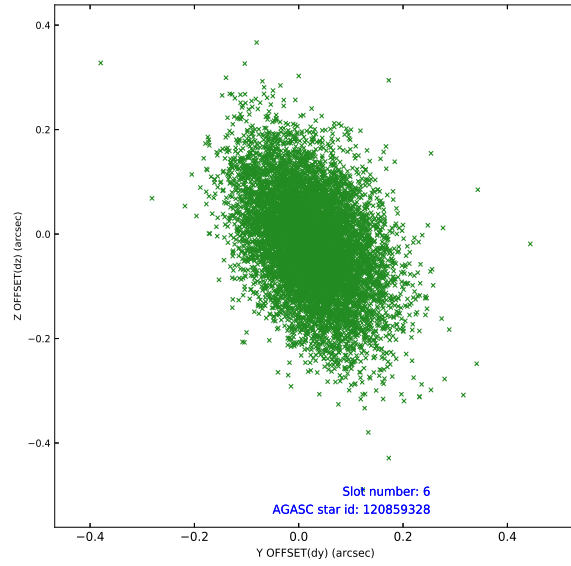
2.4.2 Slot 4



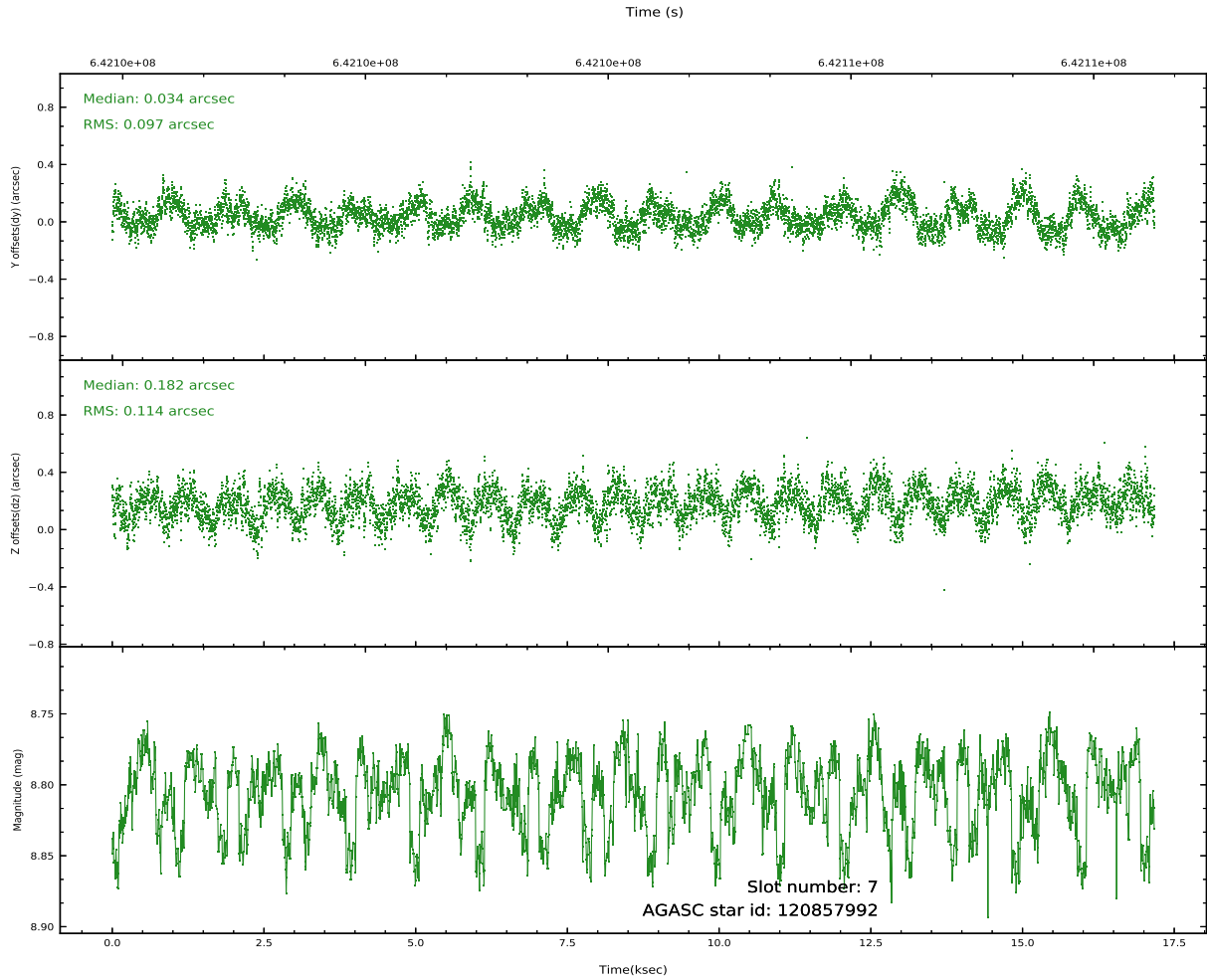
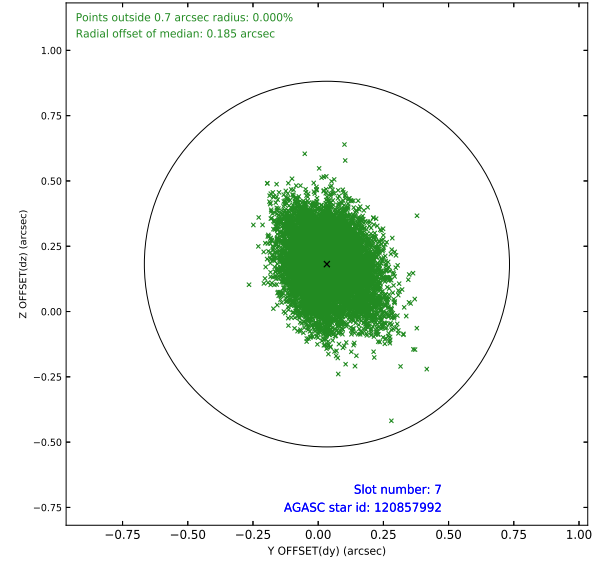
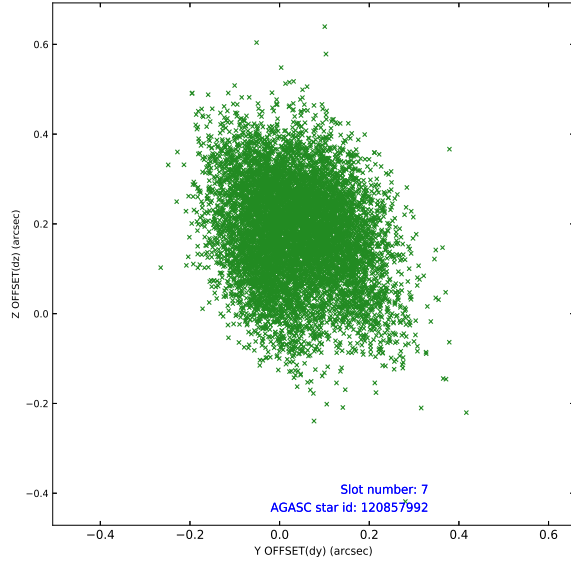
2.4.3 Slot 5



2.4.4 Slot 6

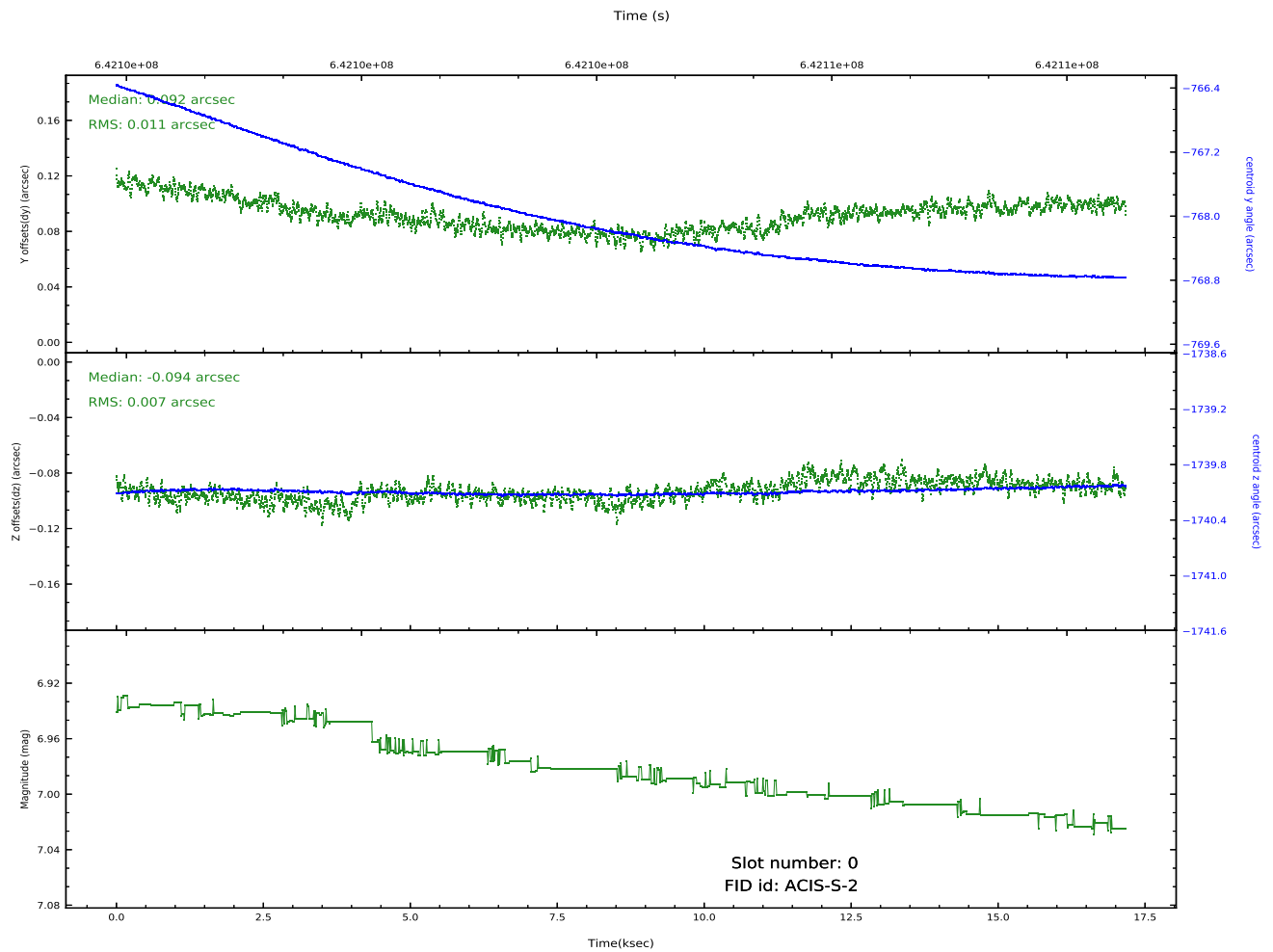
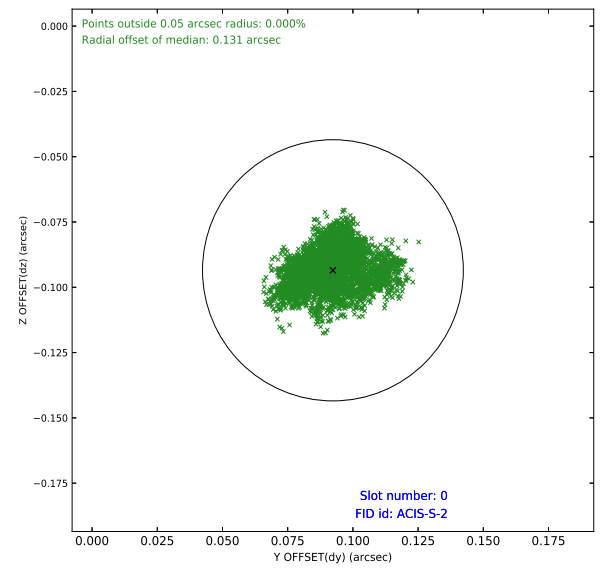
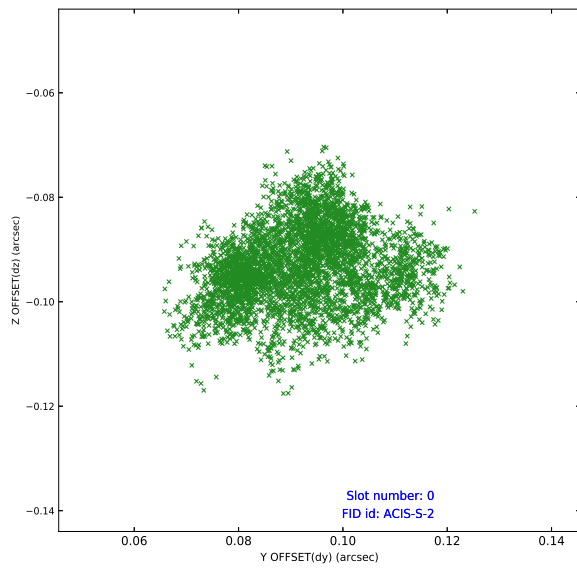


2.4.5 Slot 7

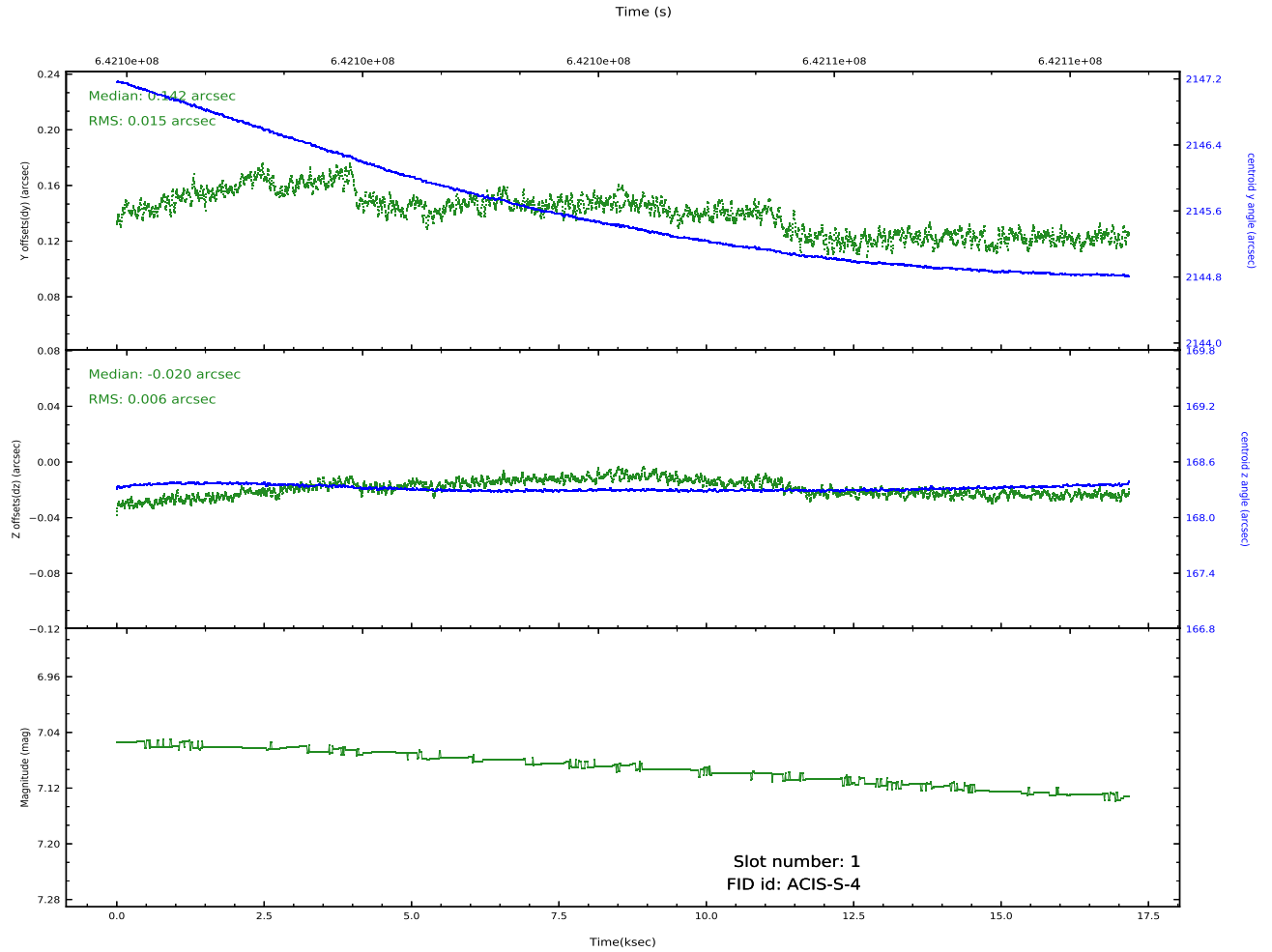
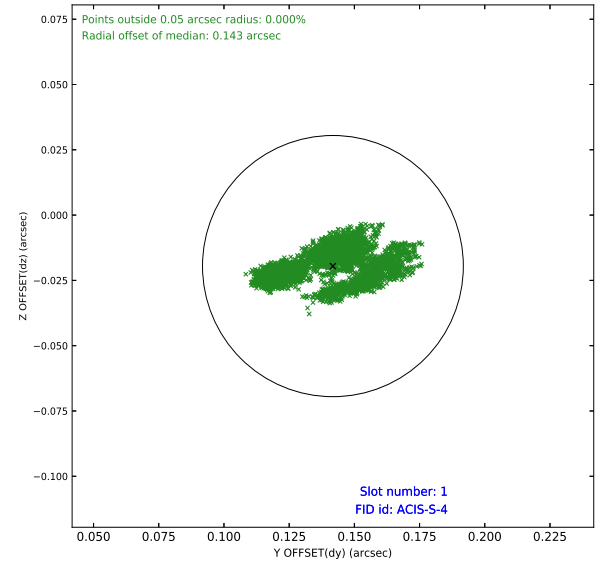
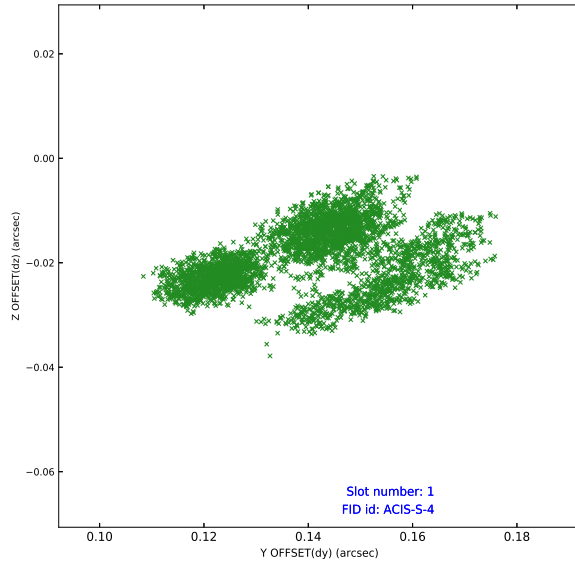


2.5 FID Slots

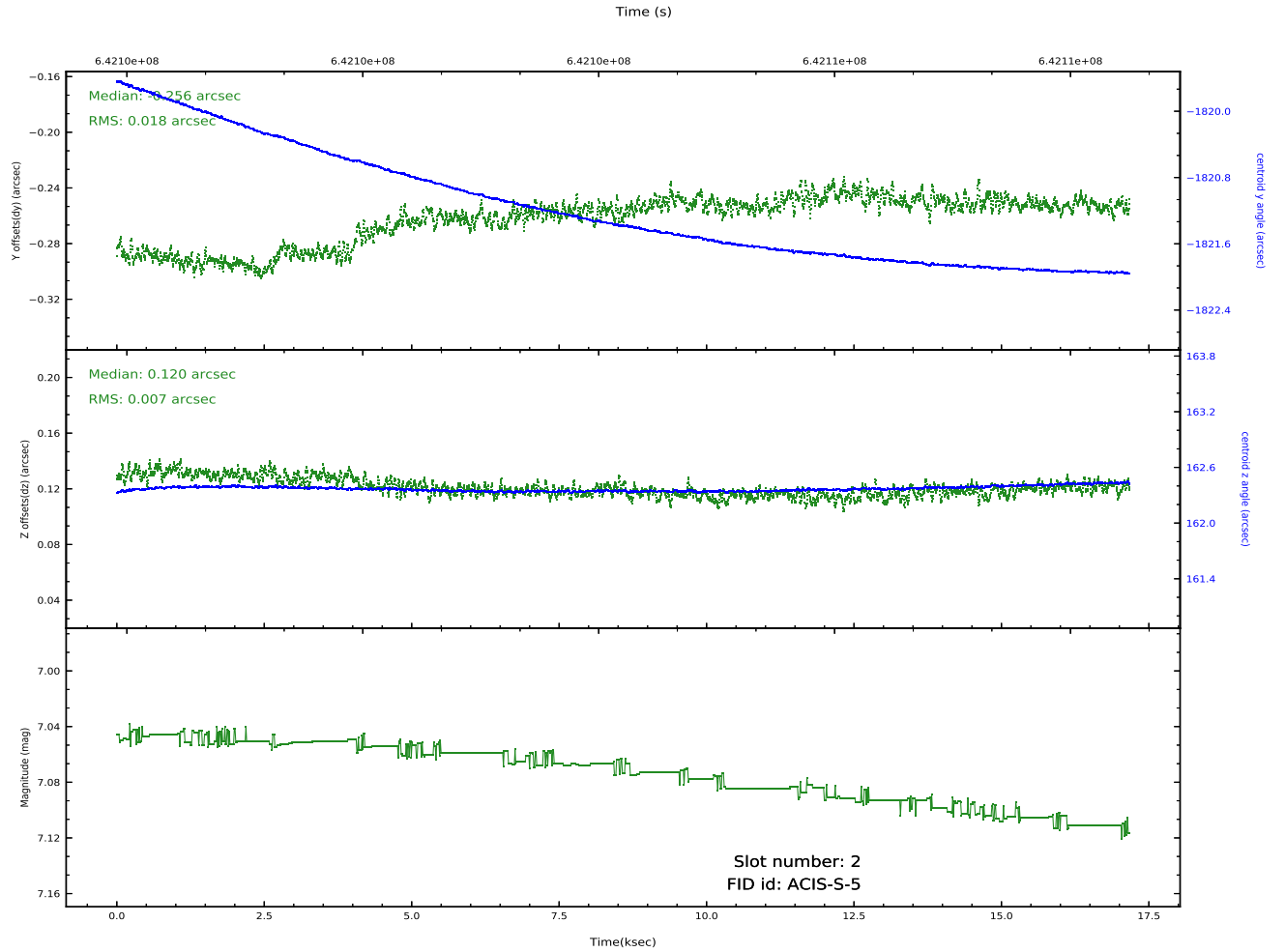
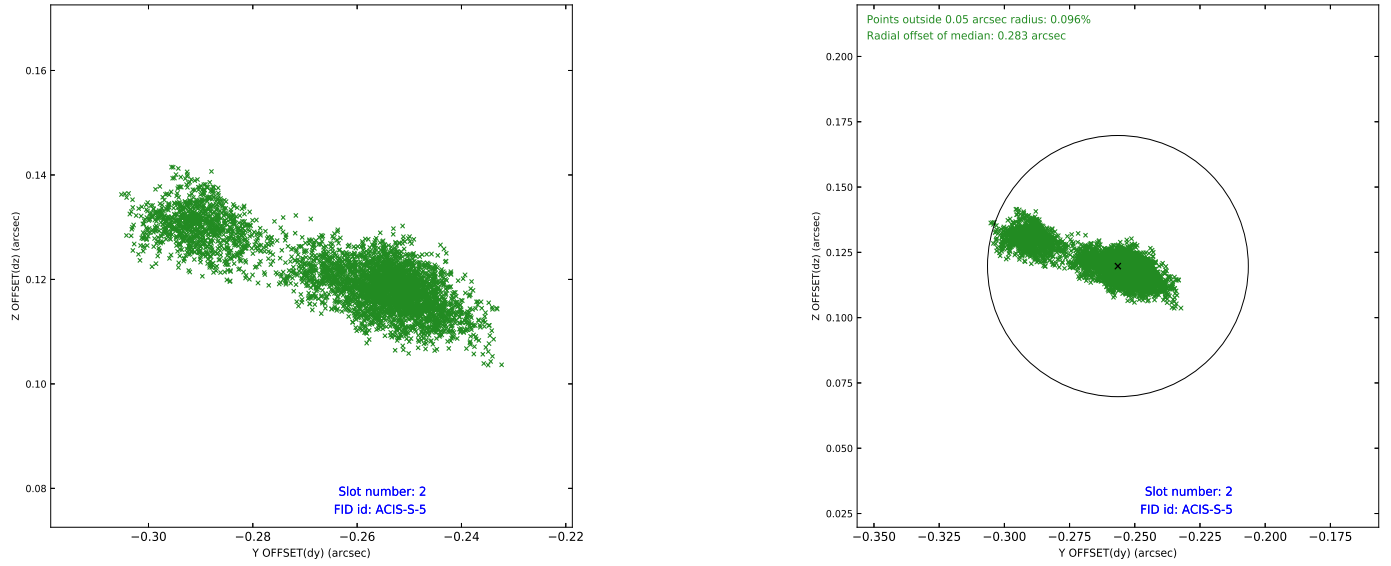
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.070831810951

A.2 Comments