

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4925 - L2 Version 4
Chandra X-Ray Center

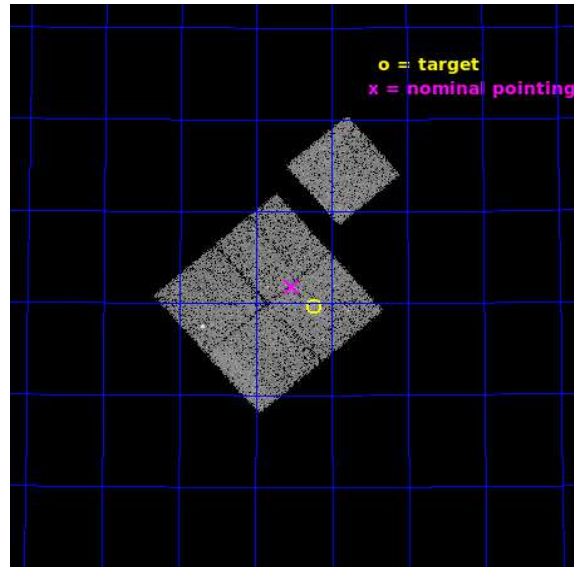
L2 Processing Date : Oct 2 2020

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1 Front

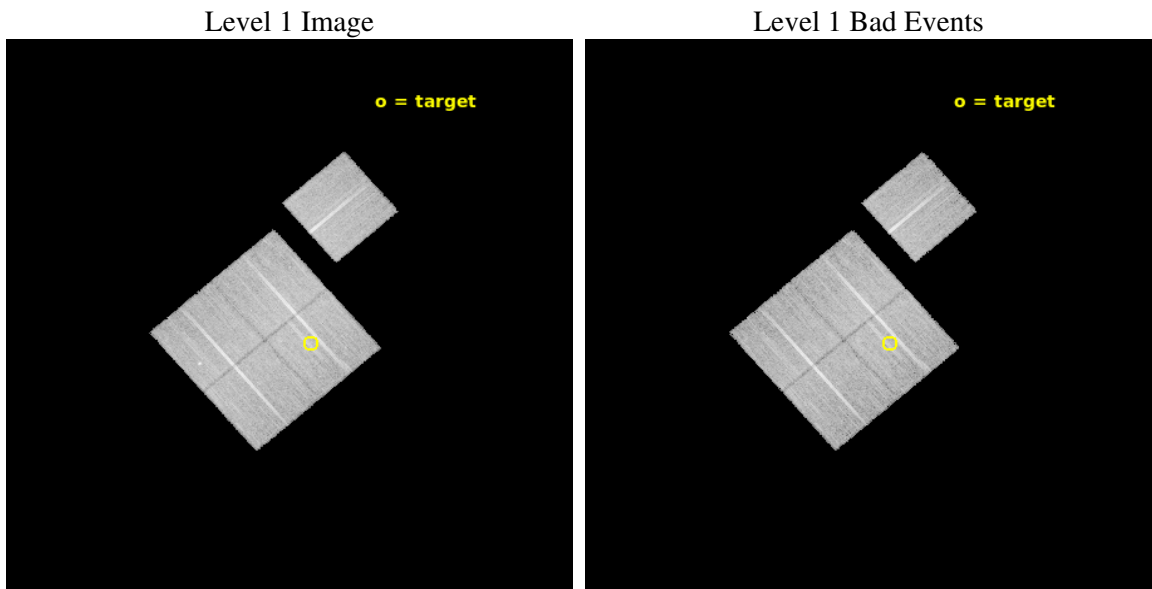
seq_num	800376	Sequence number
obs_id	4925	Observation id
title	Chandra snapshot survey of 10 distant clusters of galaxies	Proposa
observer	Dr. Stephen Murray	Principal investigator
object	CIG J0853+5759	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	133.30875	Observer's specified target RA [deg]
dec_targ	57.994167	Observer's specified target Dec [deg]
ra_nom	133.38105501452	Nominal RA [deg]
dec_nom	58.030219231946	Nominal Dec [deg]
roll_nom	49.127788424772	Nominal Roll [deg]
revision	4	Processing version of data
ontime	18023.399965316	Sum of GTIs [s]
livetime	17787.910976135	Livetime [s]
ontime0	18023.399965316	Sum of GTIs [s]
ontime1	18020.258975178	Sum of GTIs [s]
ontime2	18020.258975178	Sum of GTIs [s]
ontime3	18023.399965316	Sum of GTIs [s]
ontime6	18020.25900507	Sum of GTIs [s]
l2events	48093	Number of level 2 events



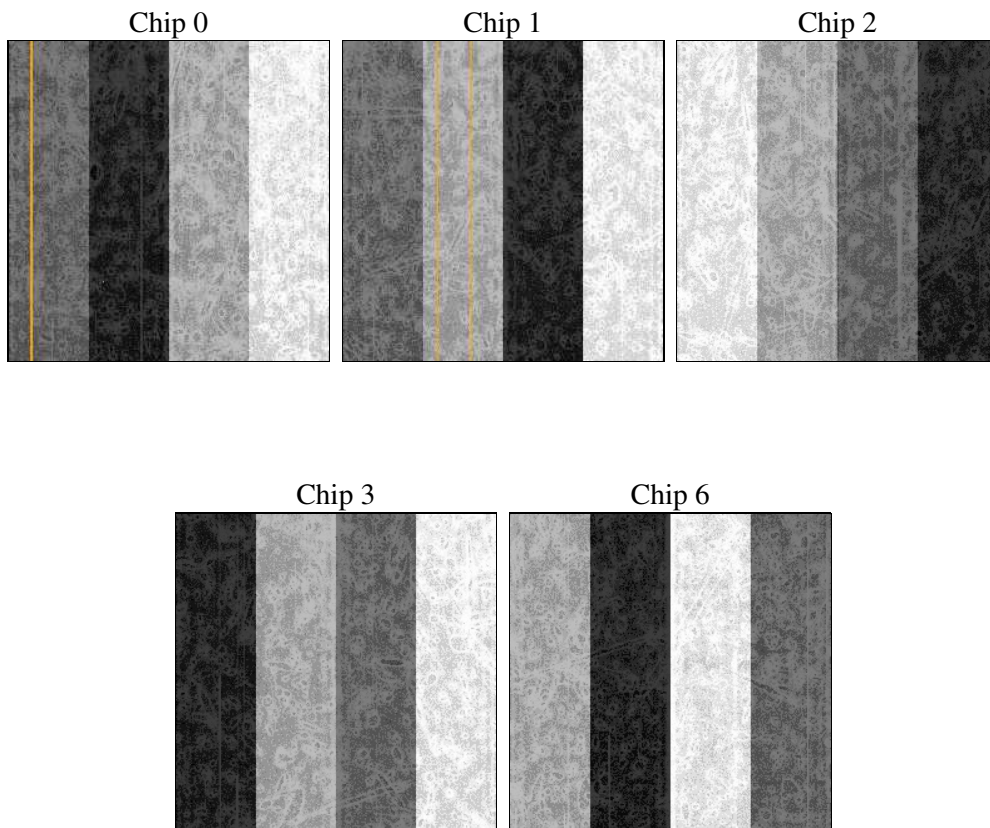
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	17974.283000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	18023.399965316	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	18023.399965316	Sum of GTIs [s]
date	2020-10-02T08:21:54	Date and time of file creation	ontime1	18020.258975178	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	18020.258975178	Sum of GTIs [s]
			ontime3	18023.399965316	Sum of GTIs [s]
			ontime6	18020.25900507	Sum of GTIs [s]
			l1events	522946	Number of level 1 events

2.1.4 Events

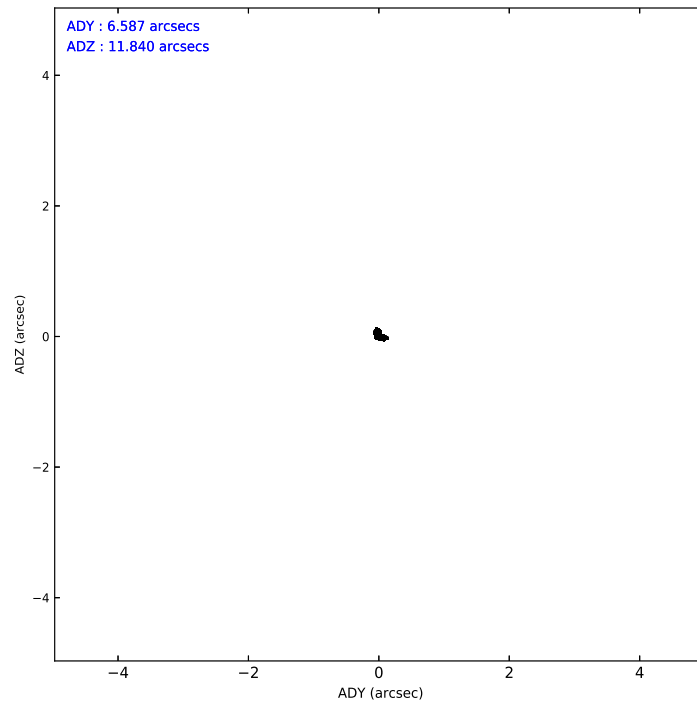
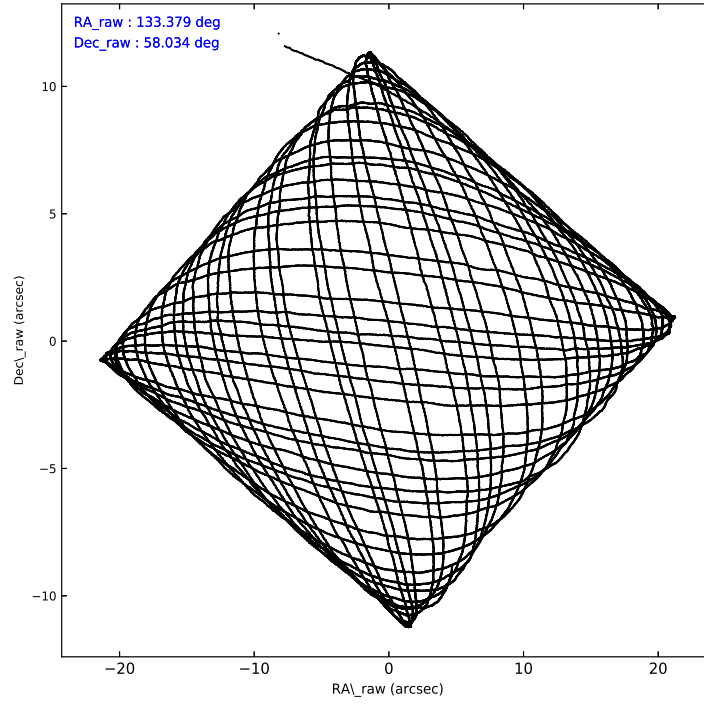
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	101346	99397	111154	106954	104095
rejected events	89916	86926	100000	95823	92624
rejected %	88%	87%	89%	89%	88%

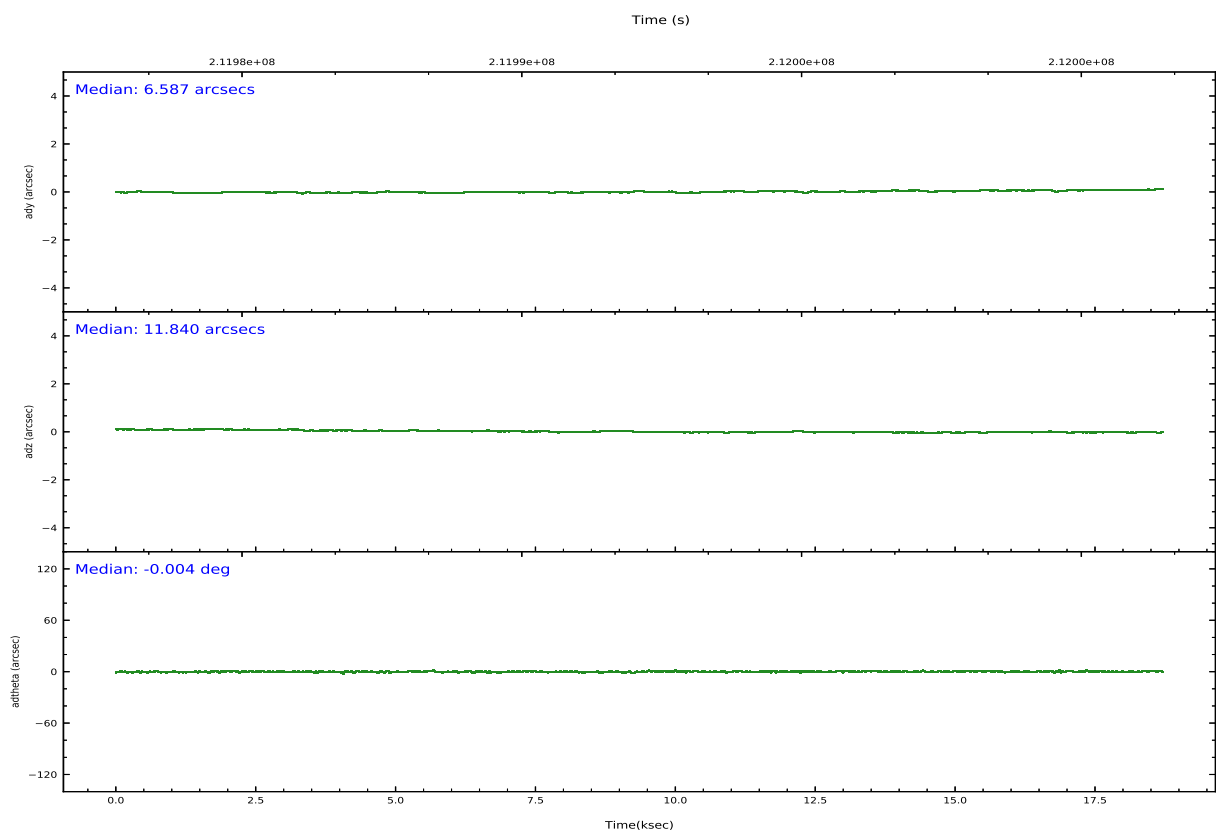
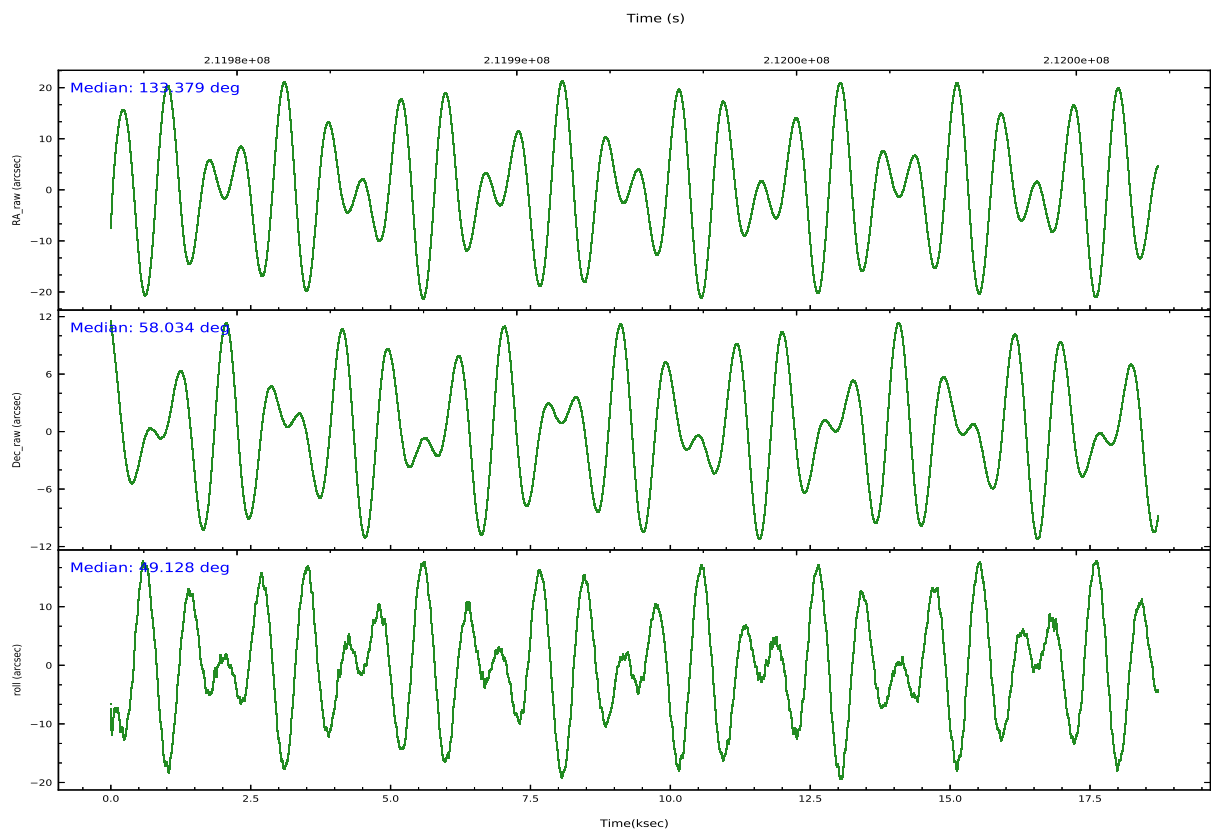
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4392	4800	4297	4475	4422
	4%	4%	3%	4%	4%
grade 1 events	48	52	65	57	41
	0%	0%	0%	0%	0%
grade 2 events	2606	2633	2489	2239	2311
	2%	2%	2%	2%	2%
grade 3 events	1248	1354	1183	1214	1263
	1%	1%	1%	1%	1%
grade 4 events	1154	1305	1199	1181	1167
	1%	1%	1%	1%	1%
grade 5 events	3725	3982	3460	4185	4164
	3%	4%	3%	3%	4%
grade 6 events	2035	2389	1991	2026	2316
	2%	2%	1%	1%	2%
grade 7 events	86138	82882	96470	91577	88411
	84%	83%	86%	85%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	133.369063	133.38105501452	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.007017	58.030219231946	Alternating exposures requested	N	N
[deg] Pointing Roll	48.927974	49.127788424772	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8458576473255			
[mm] SIM translation stage offset	-7.752	-7.746595355604228			
[s] Observation start time (MET)	211983488.184000	211982279.96086			
Observation start date	2004-09-19T12:17:04	2004-09-19T11:57:59			
[s] Observation end time (MET)	212001462.184000	212001688.33673			
Observation end date	2004-09-19T17:16:38	2004-09-19T17:21:28			
Read mode	TIMED	TIMED			

2.3 Aspect



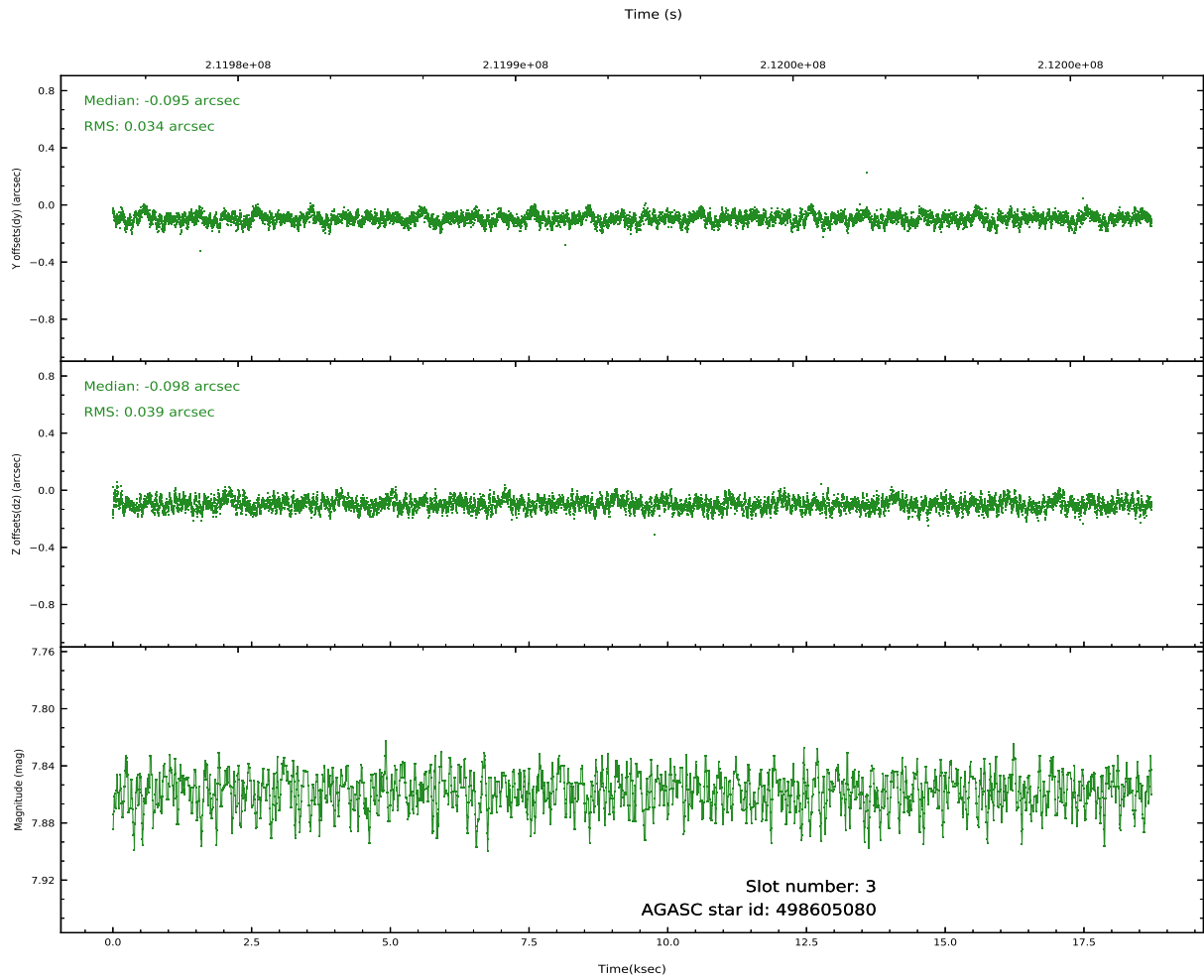
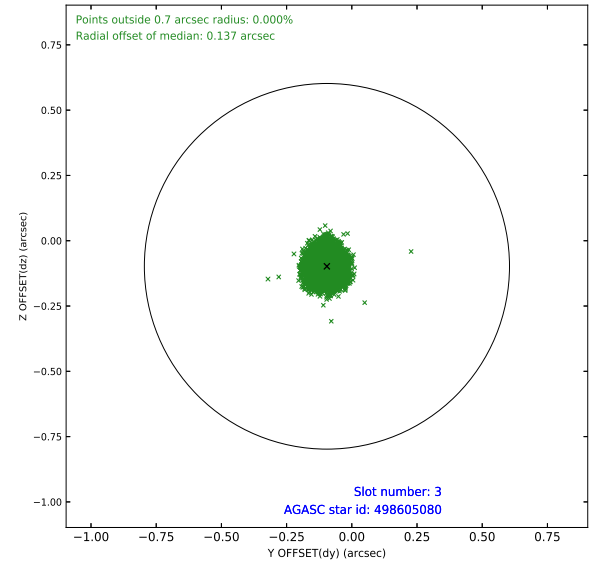
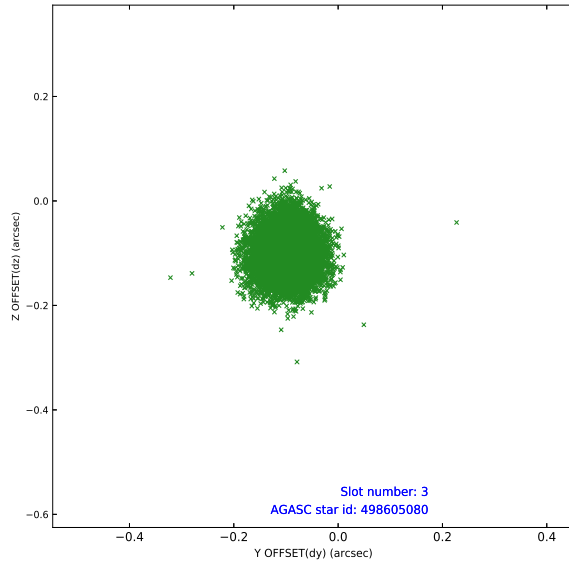


Slot Statistics

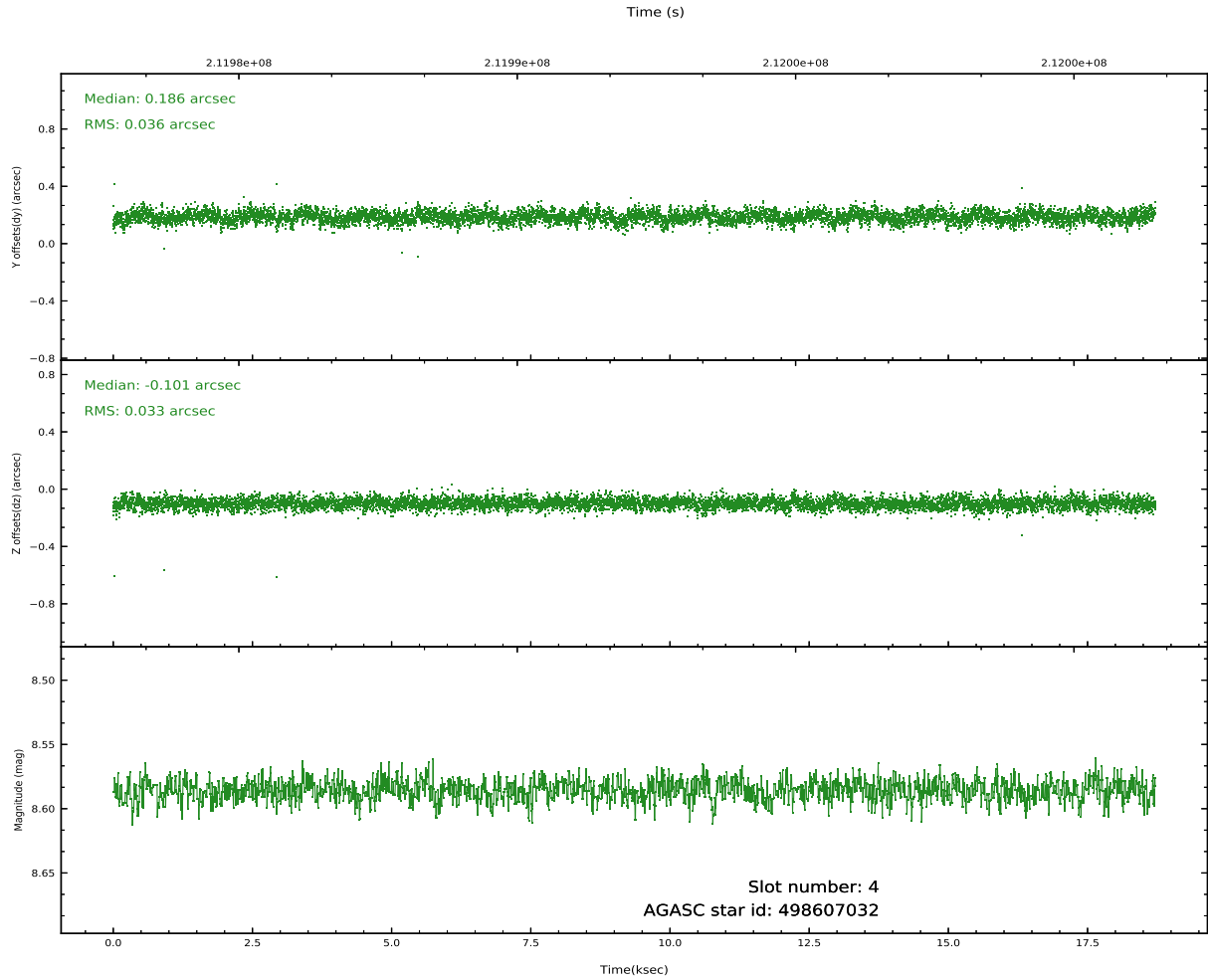
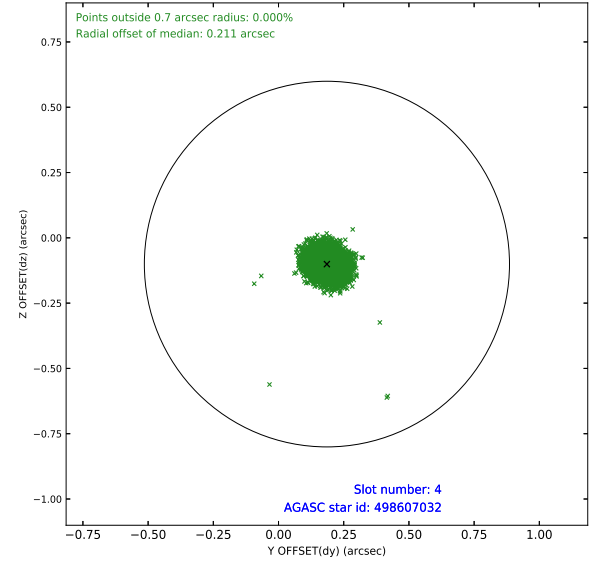
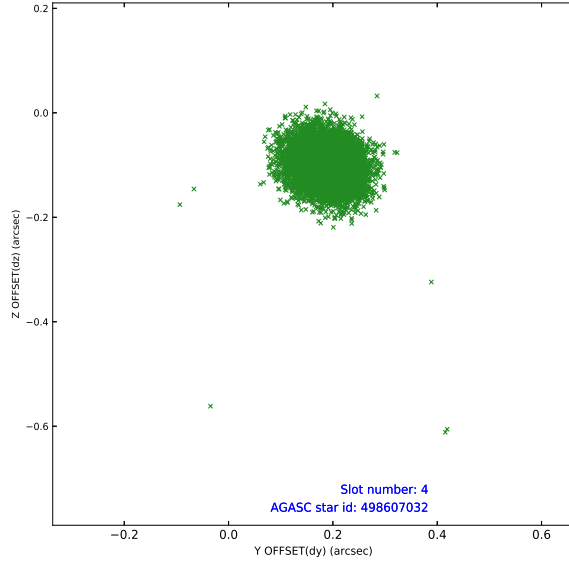
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.23	4566	1.000	0.080	-0.232	0.008	0.013	0.000000	0.000000	933.08	-994
1	FID		ACIS-I-4	7.14	4565	1.000	0.023	0.146	0.007	0.012	0.000000	0.000000	2152.66	906
2	FID		ACIS-I-5	7.22	4566	1.000	-0.202	0.157	0.007	0.012	0.000000	0.000000	-1815.01	903
3	GUIDE	used	498605080	7.86	9132	1.000	-0.095	-0.098	0.056	0.089	132.876712	58.368027	371.73	1556
4	GUIDE	used	498607032	8.59	9131	1.000	0.186	-0.101	0.050	0.083	132.440614	57.644577	-2149.17	499
5	GUIDE	used	499133280	8.20	9128	1.000	-0.002	0.115	0.075	0.116	133.516909	57.280858	-1781.35	-1934
6	GUIDE	used	499519688	7.29	9132	1.000	-0.026	0.100	0.076	0.114	134.354711	58.218797	1812.89	-898
7	GUIDE	used	499522008	8.69	9124	1.000	-0.059	-0.020	0.085	0.143	135.052818	58.103026	2395.49	-2160

2.4 Star Slots

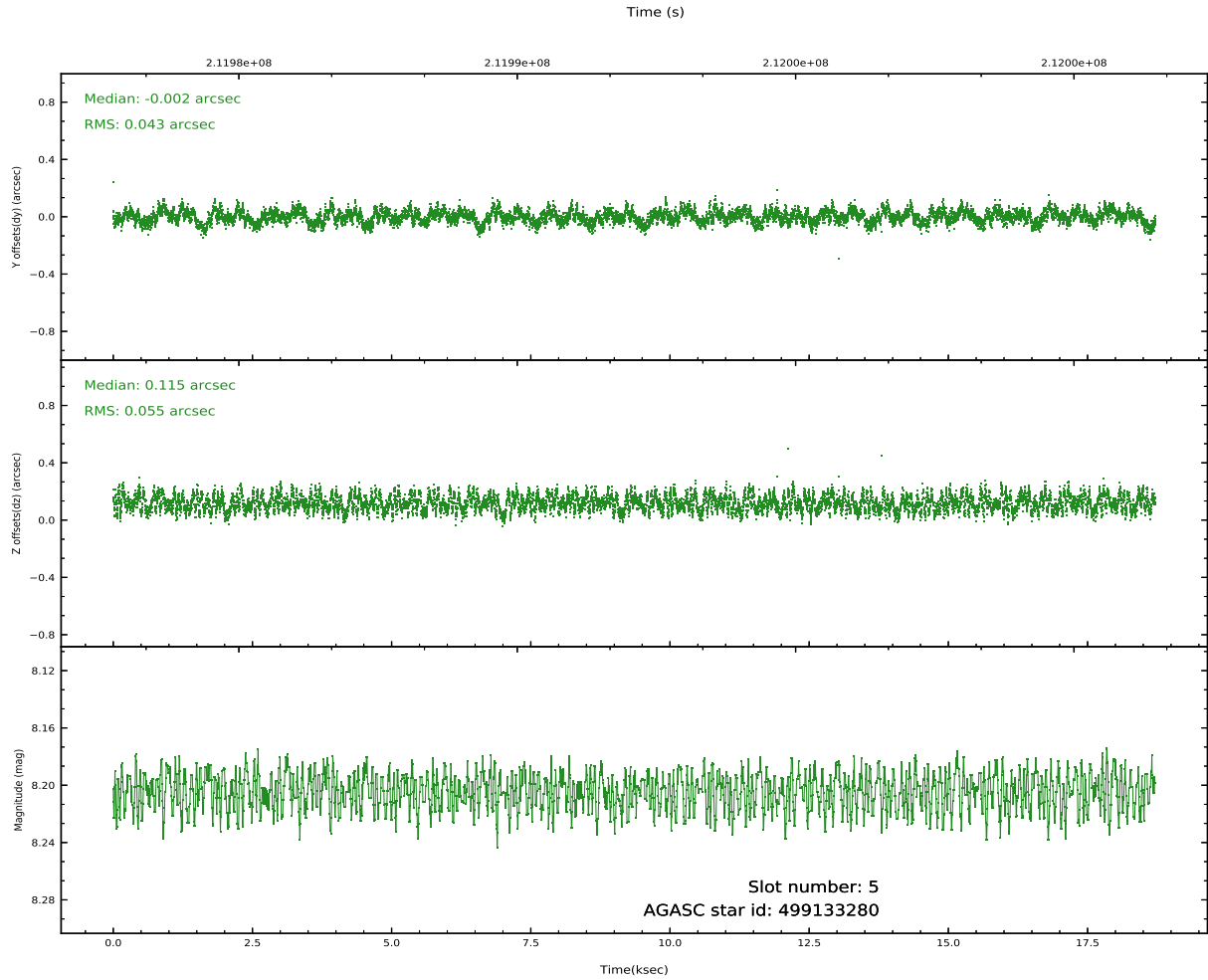
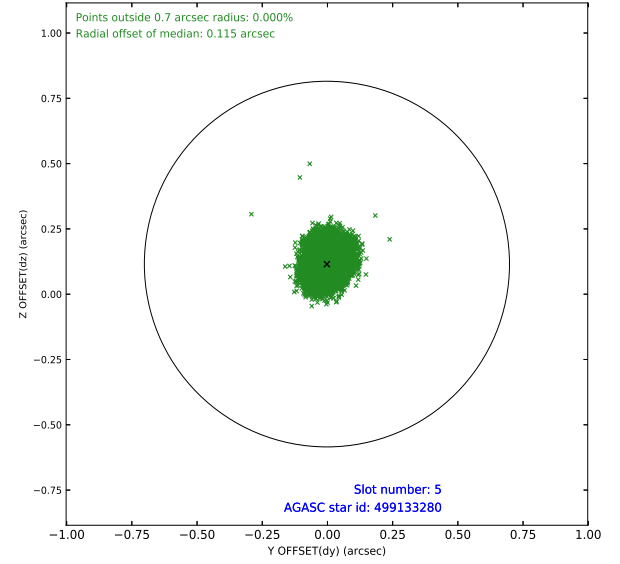
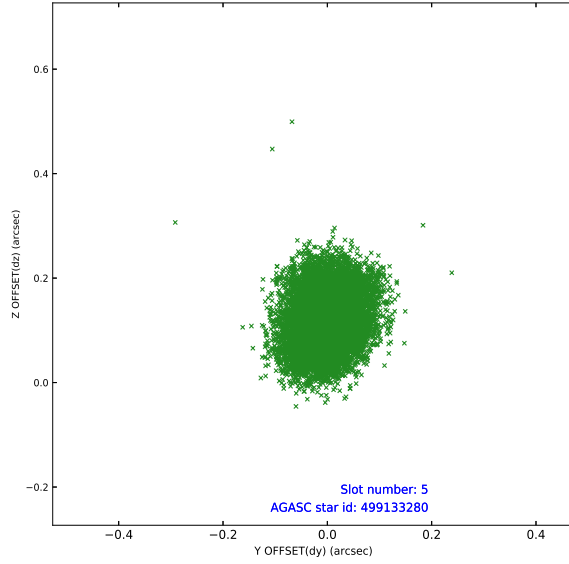
2.4.1 Slot 3



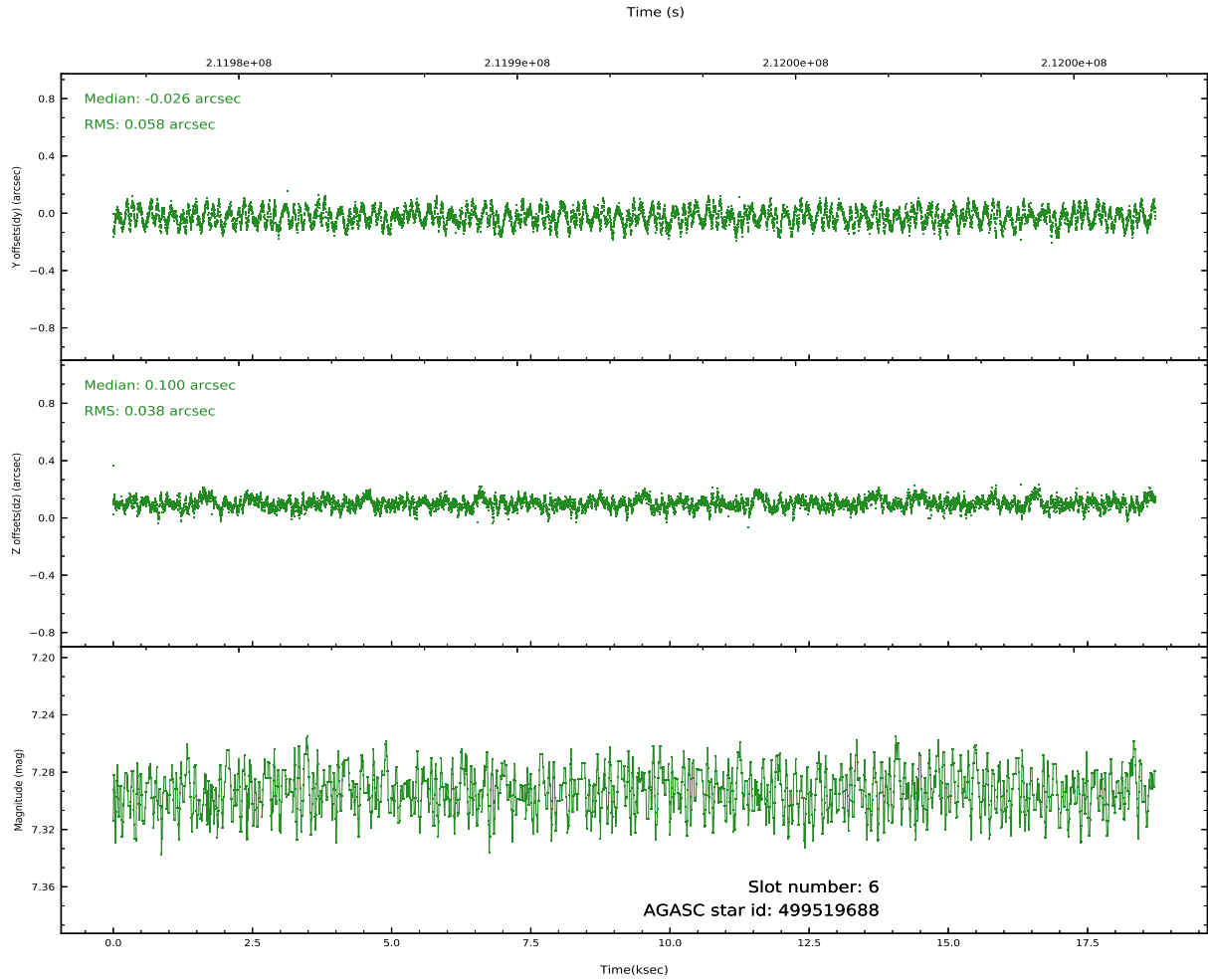
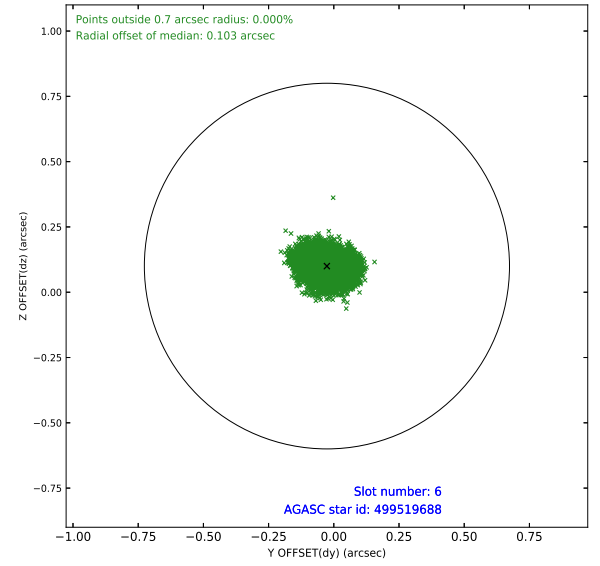
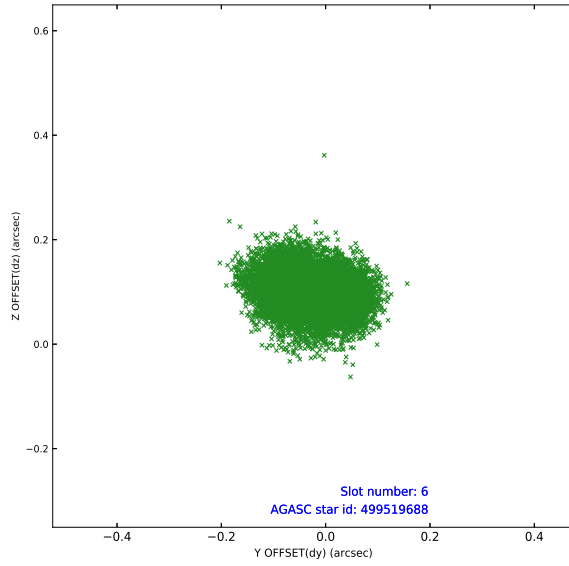
2.4.2 Slot 4



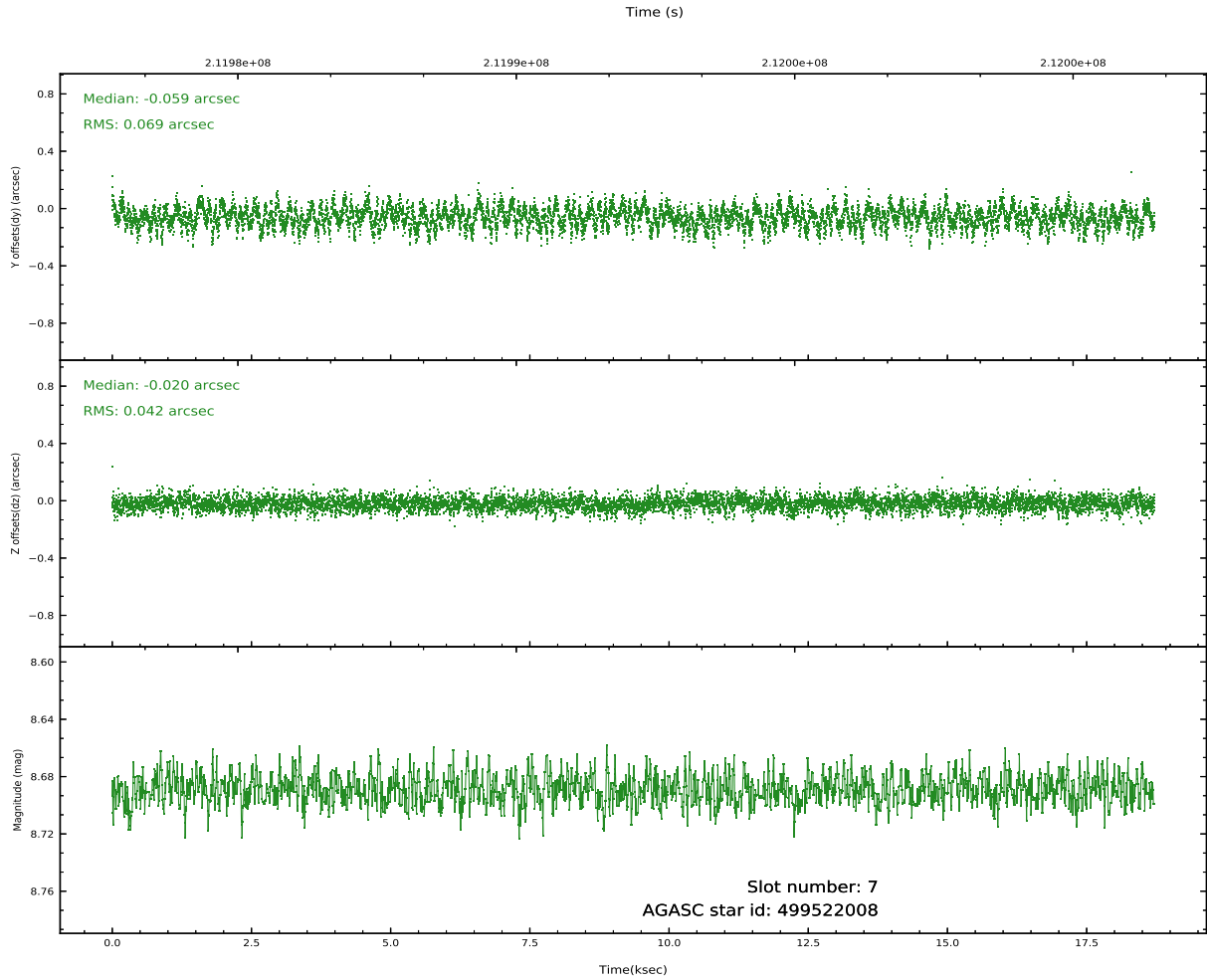
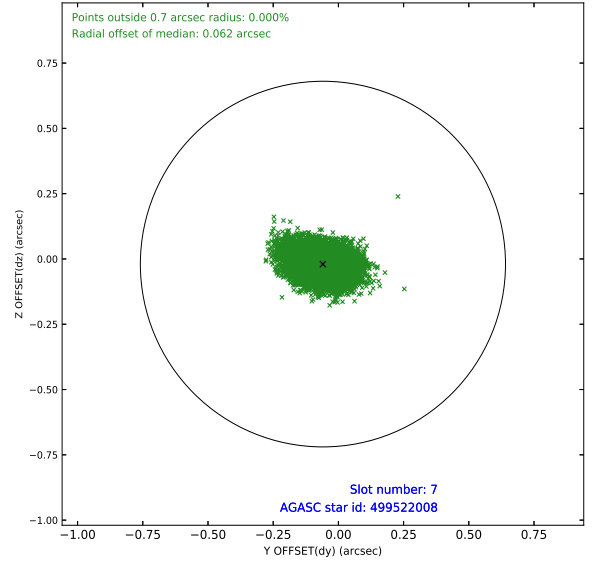
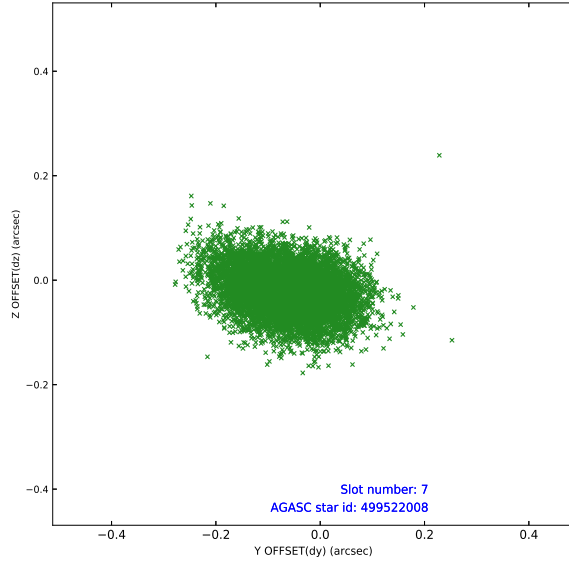
2.4.3 Slot 5



2.4.4 Slot 6

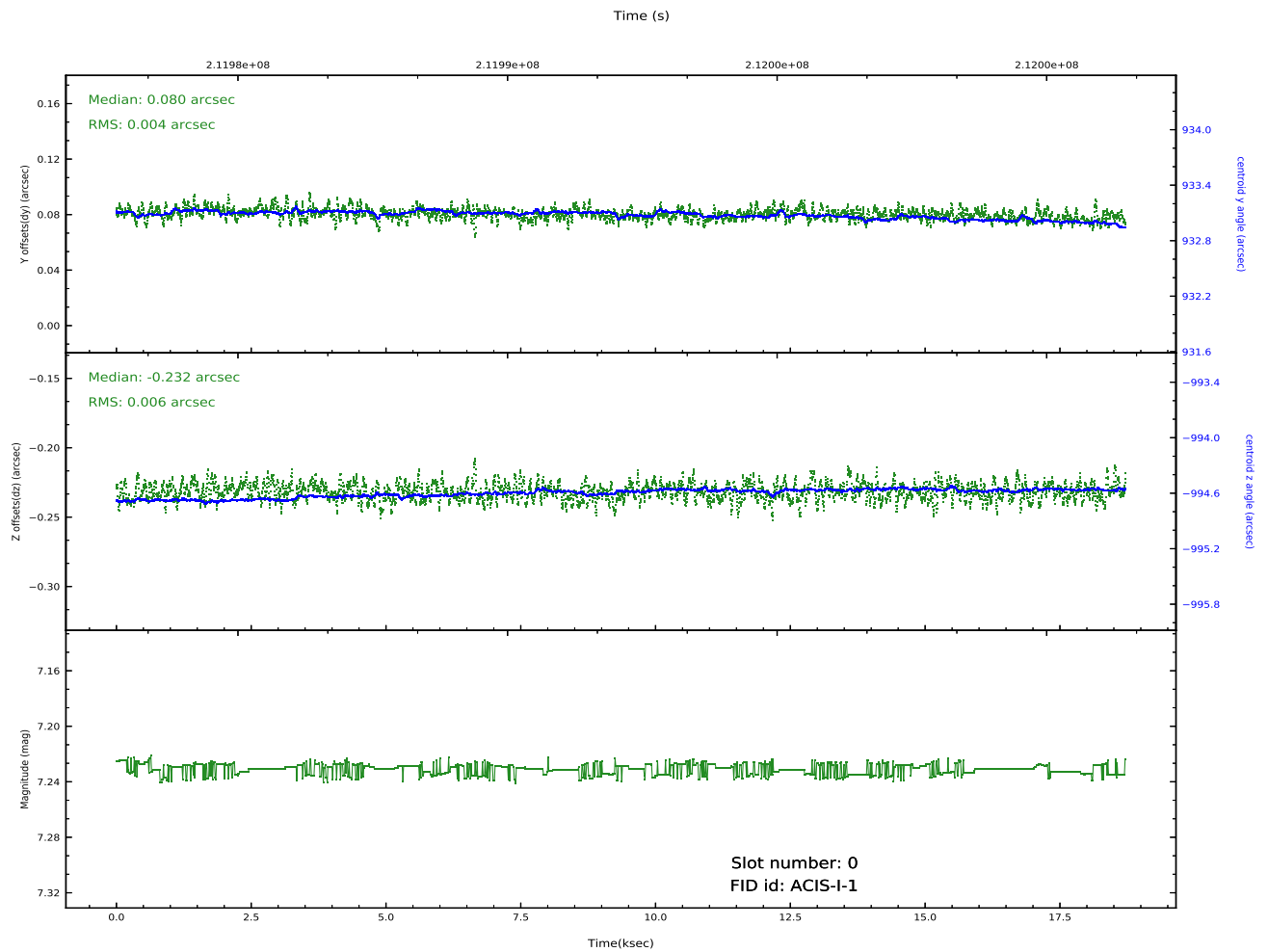
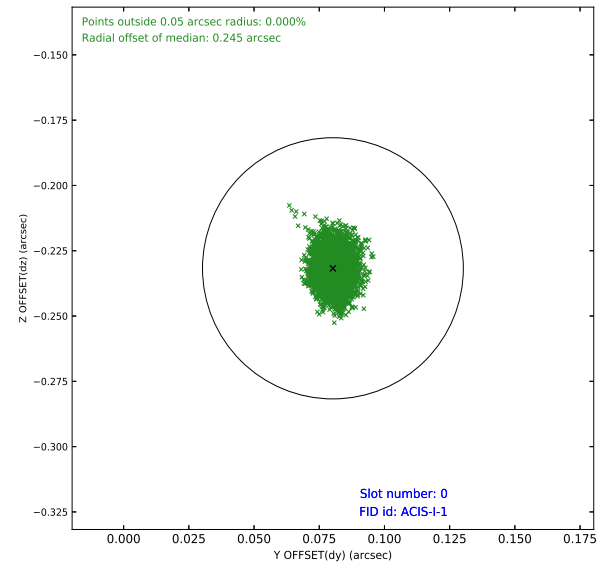
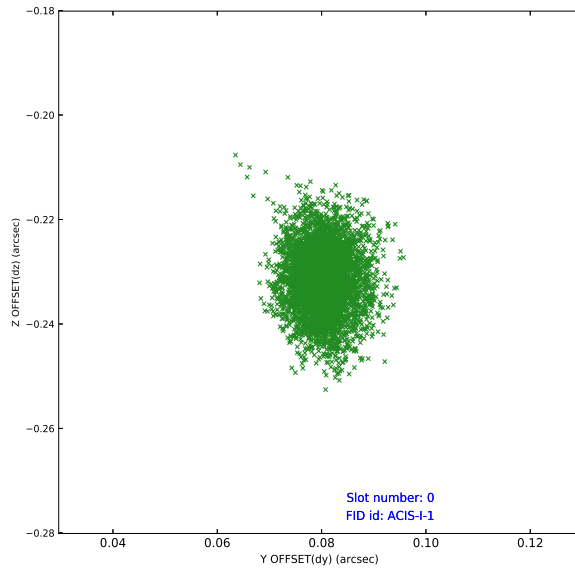


2.4.5 Slot 7

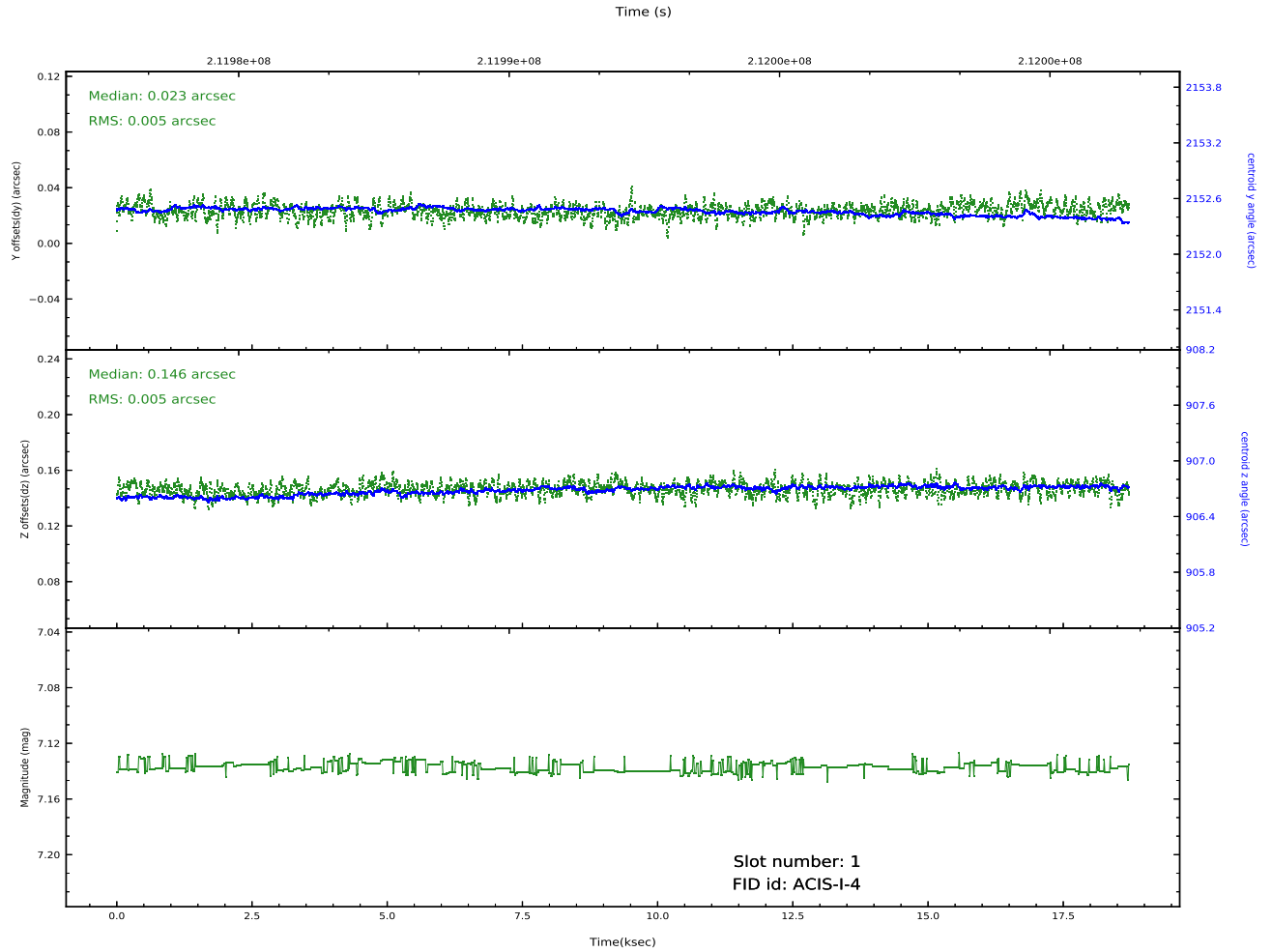
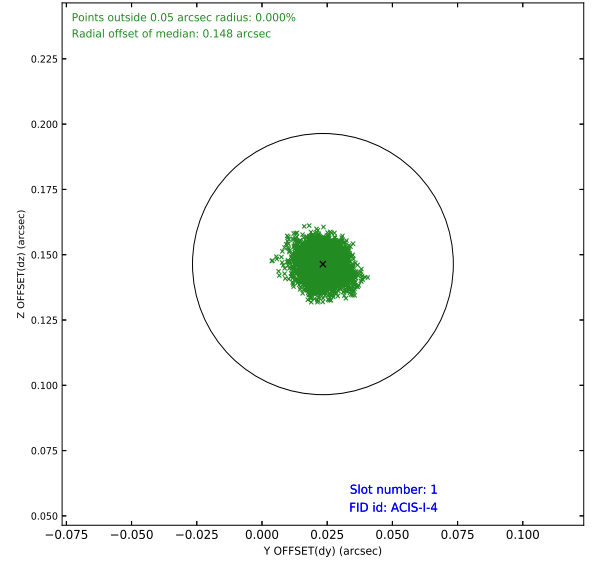
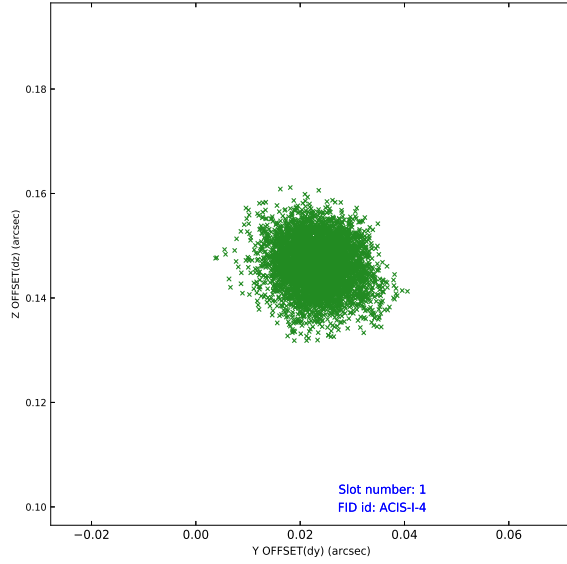


2.5 FID Slots

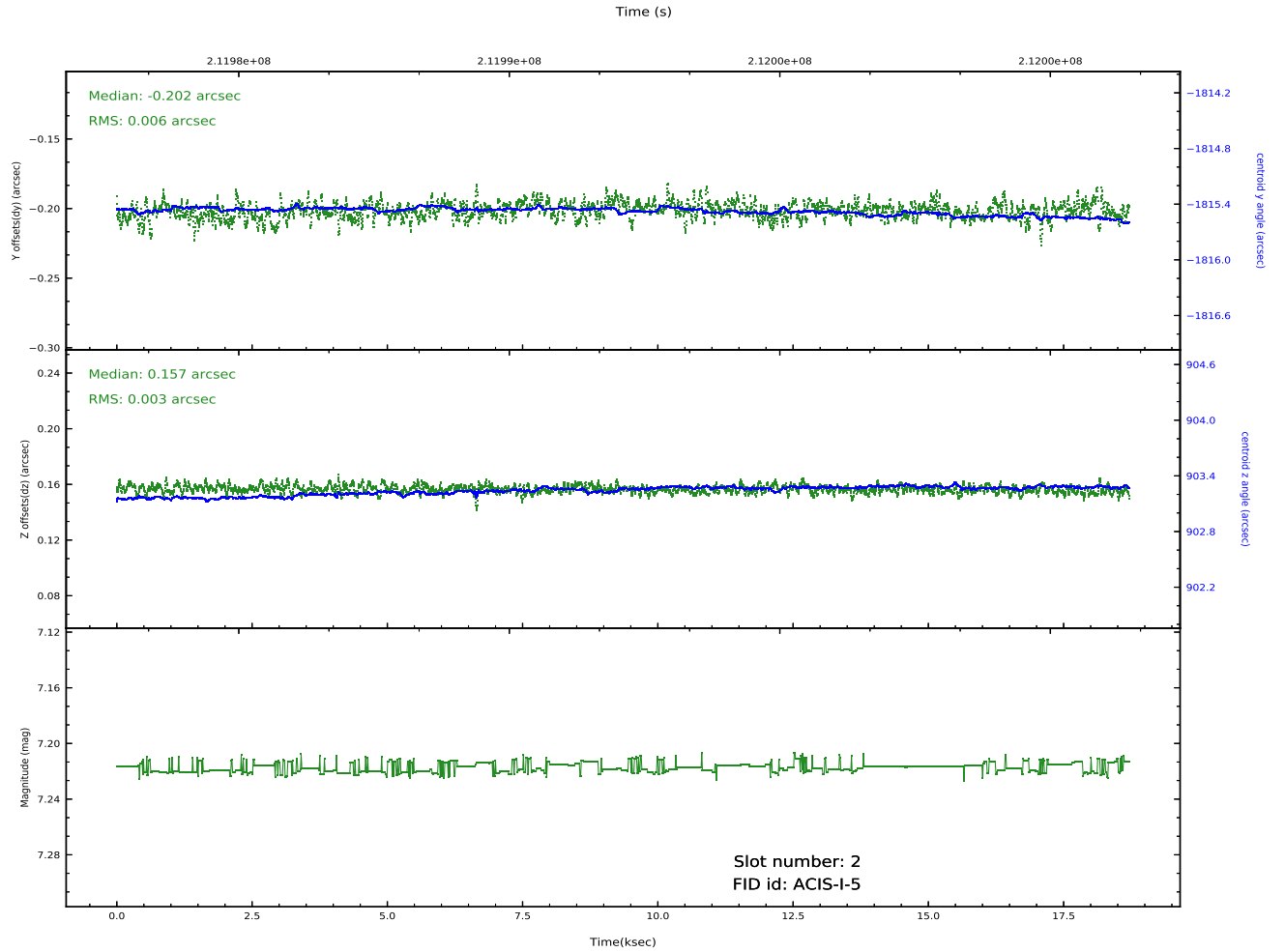
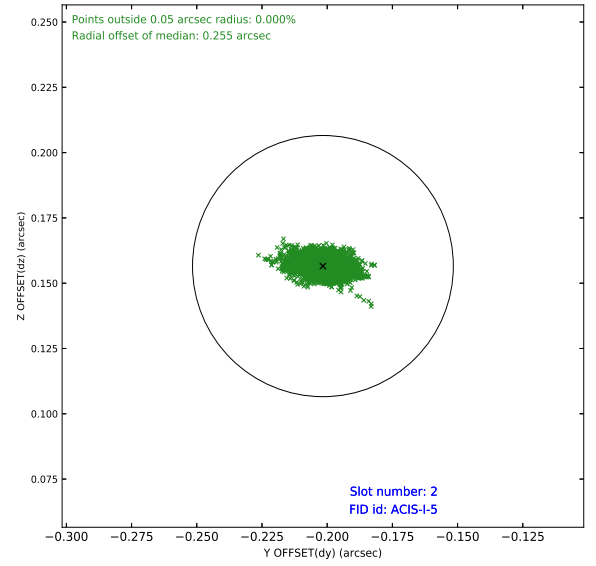
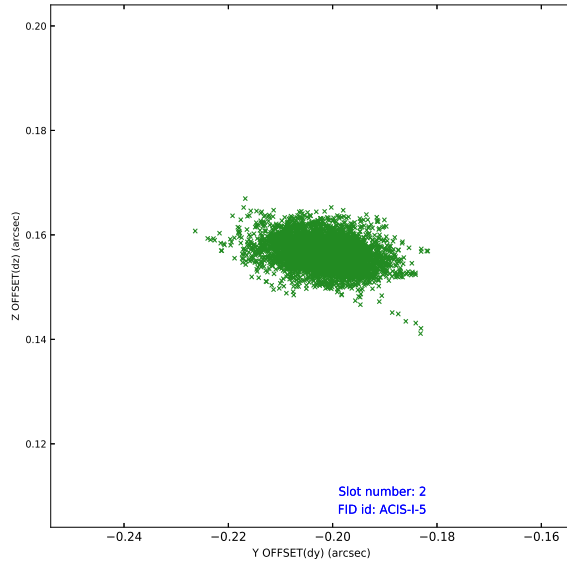
2.5.1 Slot 0



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)	2020.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.02

A.2 Comments