

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4982 - L2 Version 4
Chandra X-Ray Center

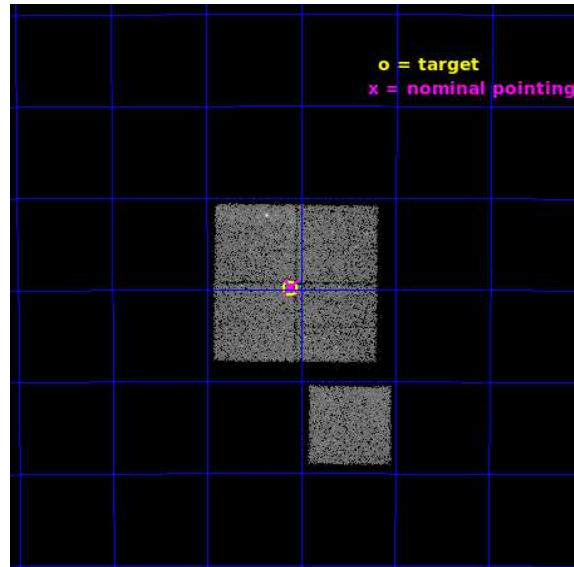
L2 Processing Date : Sep 26 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

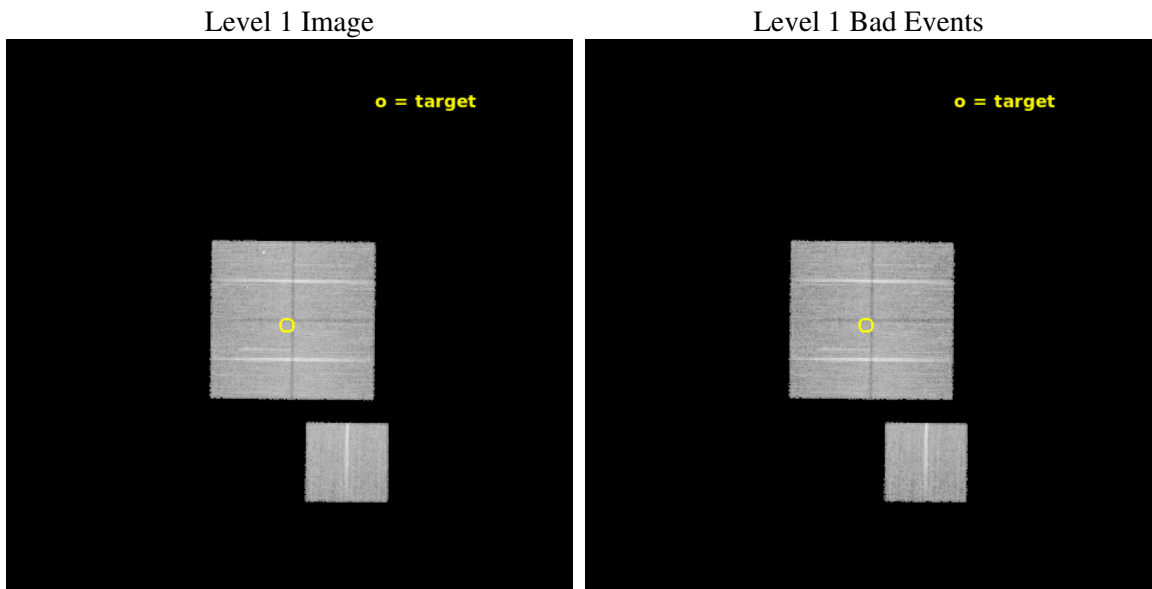
seq_num	800427	Sequence number
obs_id	4982	Observation id
title	Chandra Observations of DLS Shear-Selected Clusters	Proposal title
observer	John P. Hughes	Principal investigator
object	LCS-CL J051824-4841.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.529583	Observer's specified target RA [deg]
dec_targ	-48.832472	Observer's specified target Dec [deg]
ra_nom	79.524729610665	Nominal RA [deg]
dec_nom	-48.828227401984	Nominal Dec [deg]
roll_nom	180.63618683137	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20096.204965919	Sum of GTIs [s]
livetime	19833.633253429	Livetime [s]
ontime0	20102.363796324	Sum of GTIs [s]
ontime1	20102.404836327	Sum of GTIs [s]
ontime2	20102.44587633	Sum of GTIs [s]
ontime3	20096.204965919	Sum of GTIs [s]
ontime6	20102.32275632	Sum of GTIs [s]
l2events	50712	Number of level 2 events



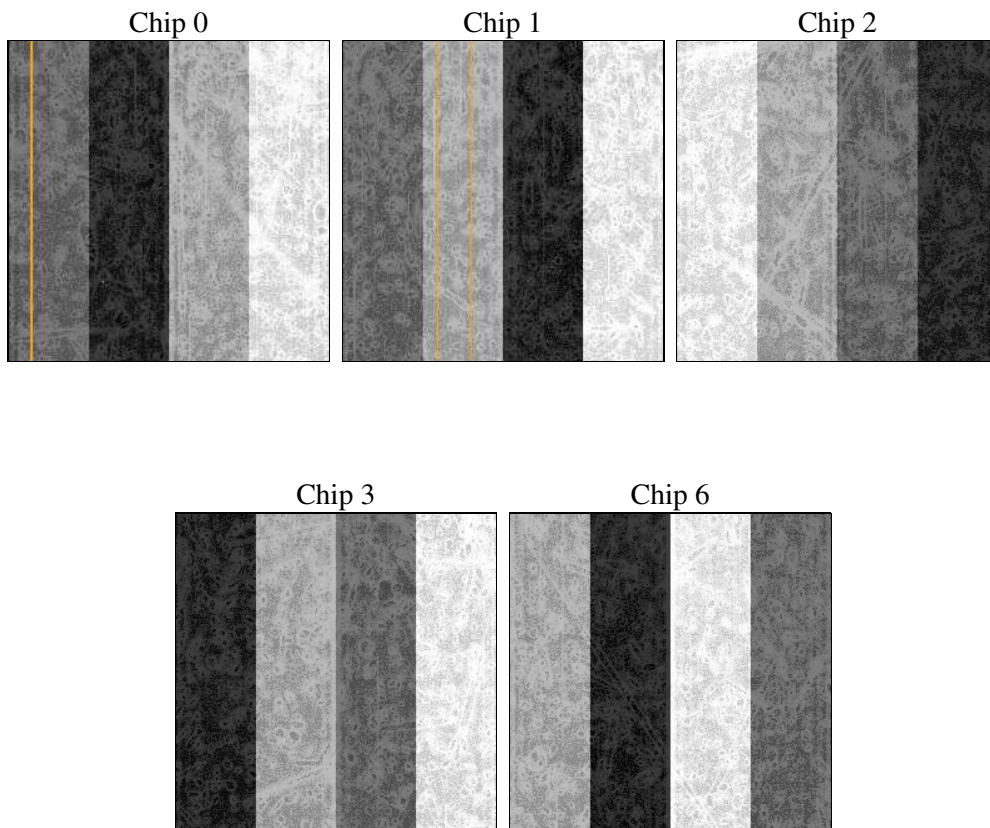
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20096.204965919	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	20102.363796324	Sum of GTIs [s]
date	2020-09-26T12:02:24	Date and time of file creation	ontime1	20102.404836327	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	20102.44587633	Sum of GTIs [s]
			ontime3	20096.204965919	Sum of GTIs [s]
			ontime6	20102.32275632	Sum of GTIs [s]
			l1events	595458	Number of level 1 events

2.1.4 Events

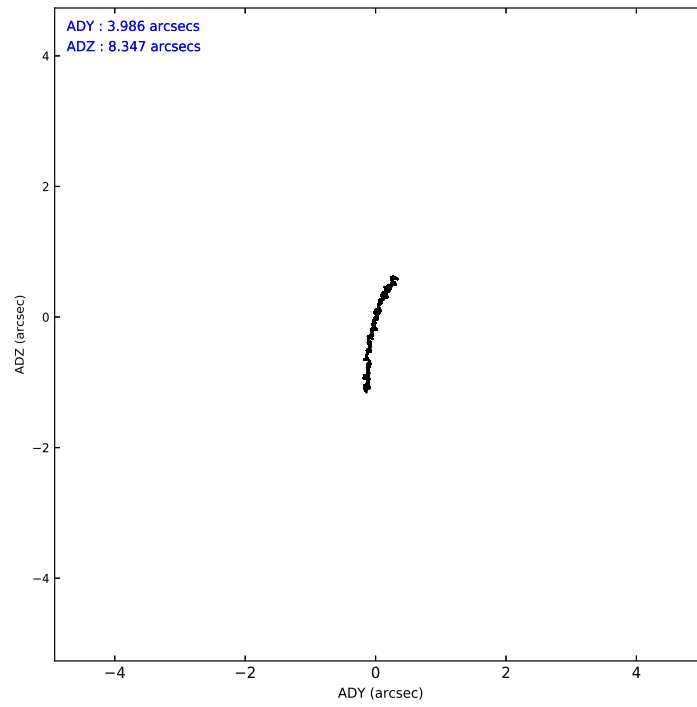
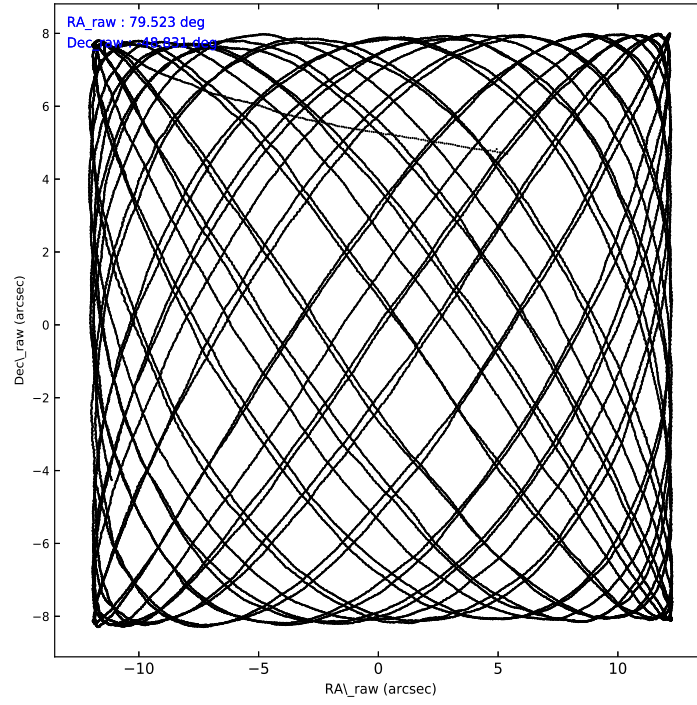
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	112718	116230	126912	119888	119710
rejected events	100882	101939	115284	108614	107453
rejected %	89%	87%	90%	90%	89%

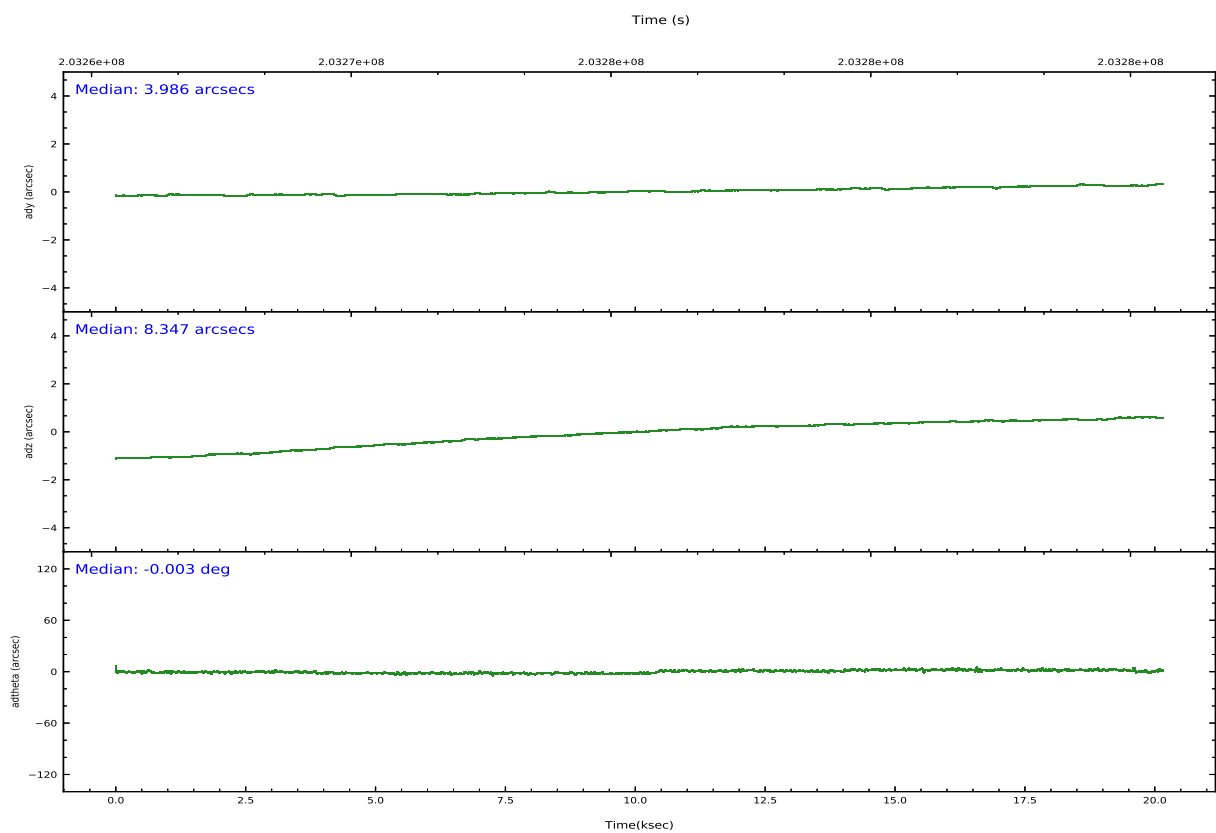
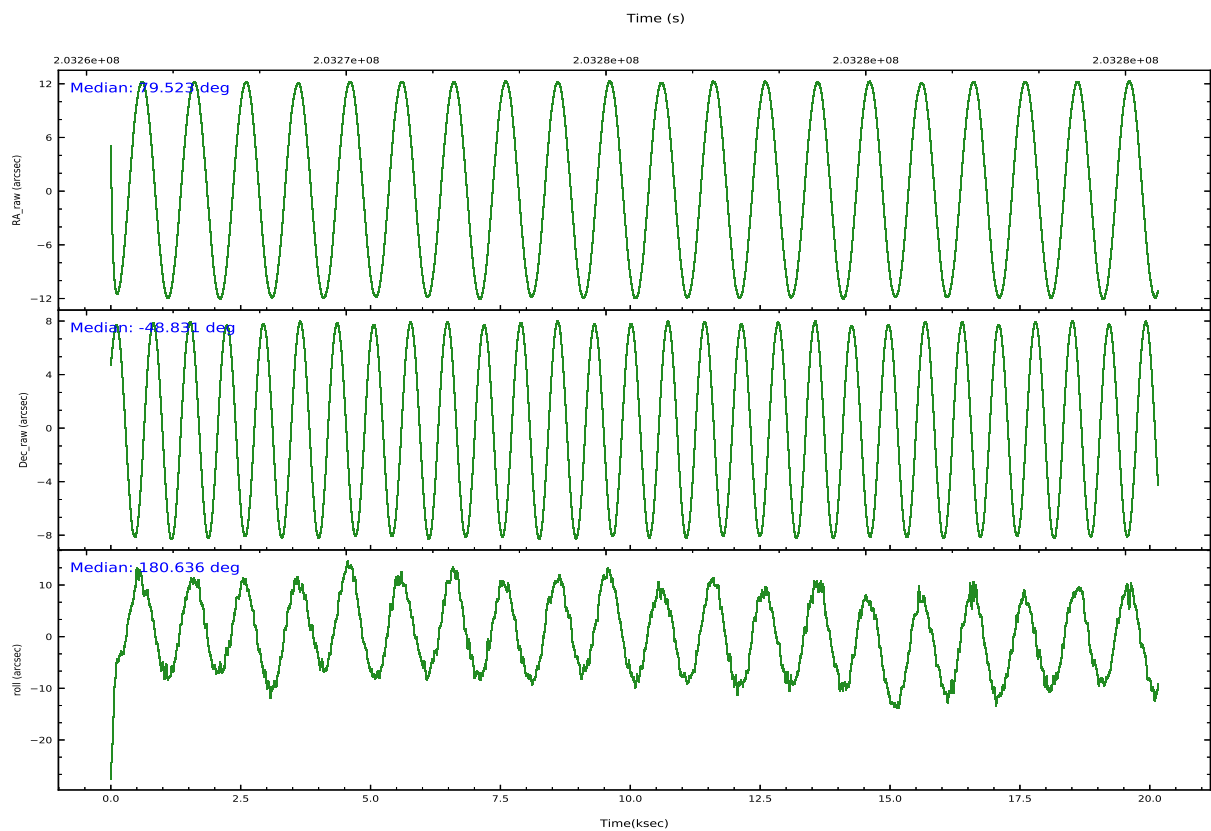
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3978	5536	4183	3892	4122
	3%	4%	3%	3%	3%
grade 1 events	41	65	59	63	44
	0%	0%	0%	0%	0%
grade 2 events	2743	2973	2616	2500	2715
	2%	2%	2%	2%	2%
grade 3 events	1443	1553	1335	1305	1400
	1%	1%	1%	1%	1%
grade 4 events	1301	1529	1378	1317	1418
	1%	1%	1%	1%	1%
grade 5 events	4306	4682	4074	4864	4721
	3%	4%	3%	4%	3%
grade 6 events	2374	2703	2126	2262	2608
	2%	2%	1%	1%	2%
grade 7 events	96532	97189	111141	103685	102682
	85%	83%	87%	86%	85%

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	79.558760	79.52472961066501	Subarray requested	NONE	NONE
[deg] Pointing Dec	-48.816658	-48.828227401984	Alternating exposures requested	N	N
[deg] Pointing Roll	180.457155	180.63618683137	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	203265628.184000	203264674.5609			
Observation start date	2004-06-10T14:39:24	2004-06-10T14:24:34			
[s] Observation end time (MET)	203285628.184000	203286312.82435			
Observation end date	2004-06-10T20:12:44	2004-06-10T20:25:12			
Read mode	TIMED	TIMED			

2.3 Aspect



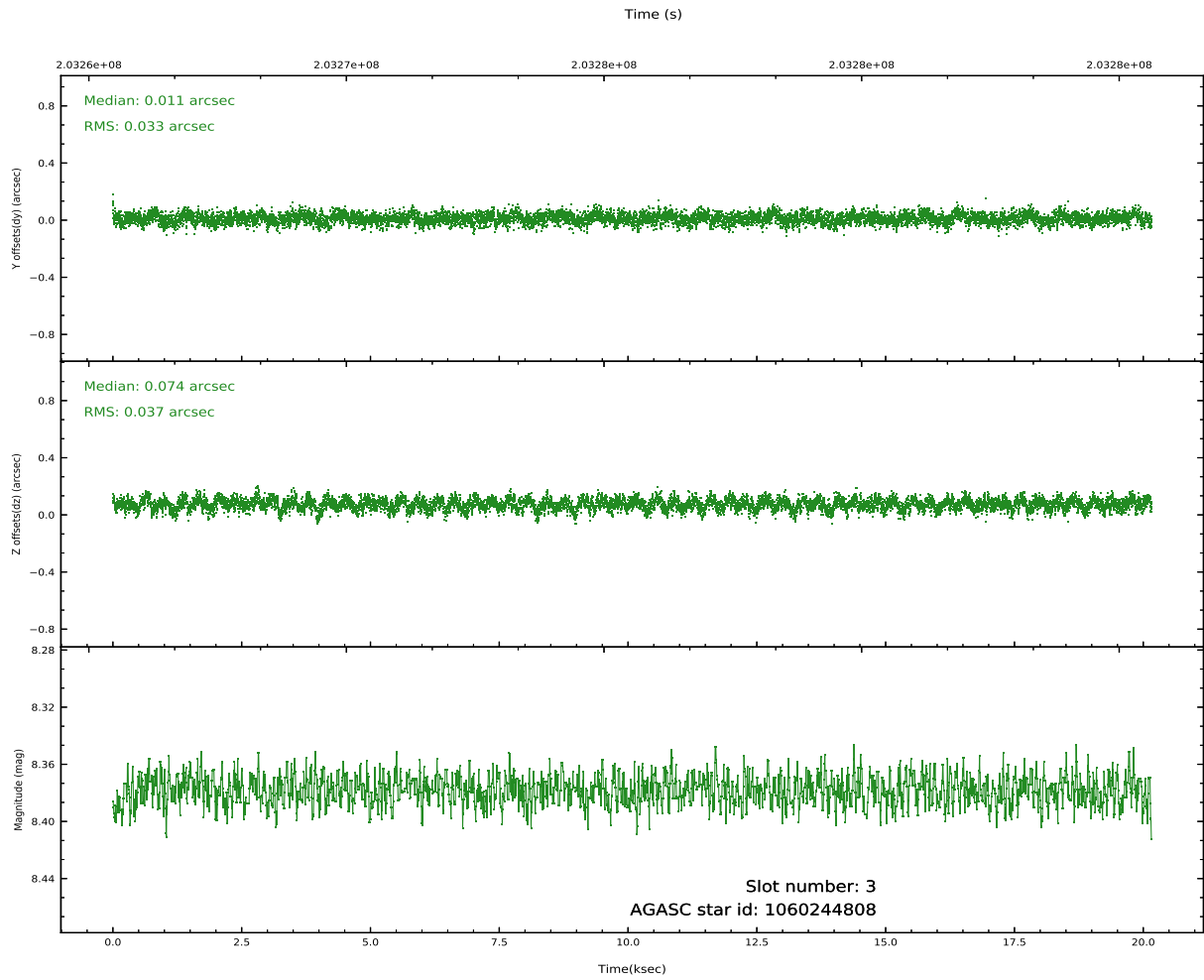
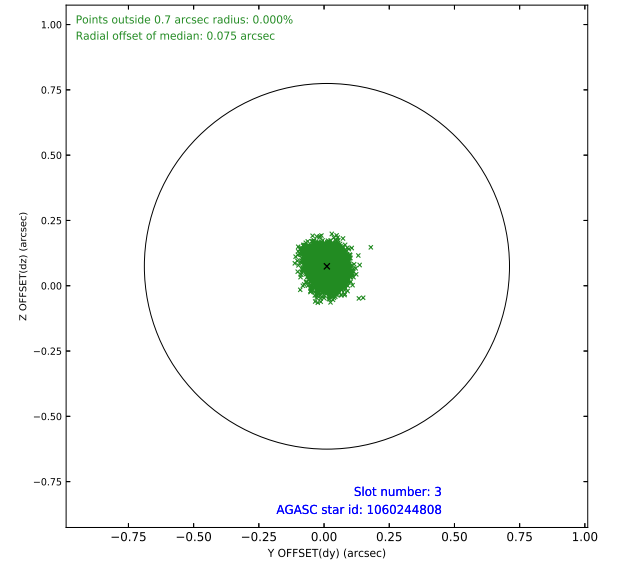
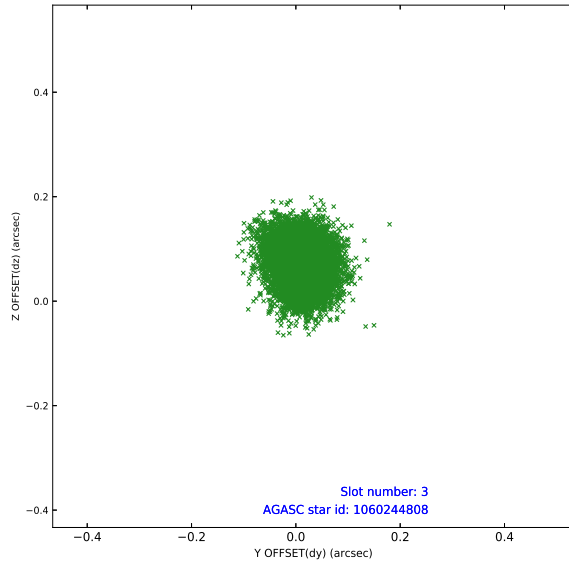


Slot Statistics

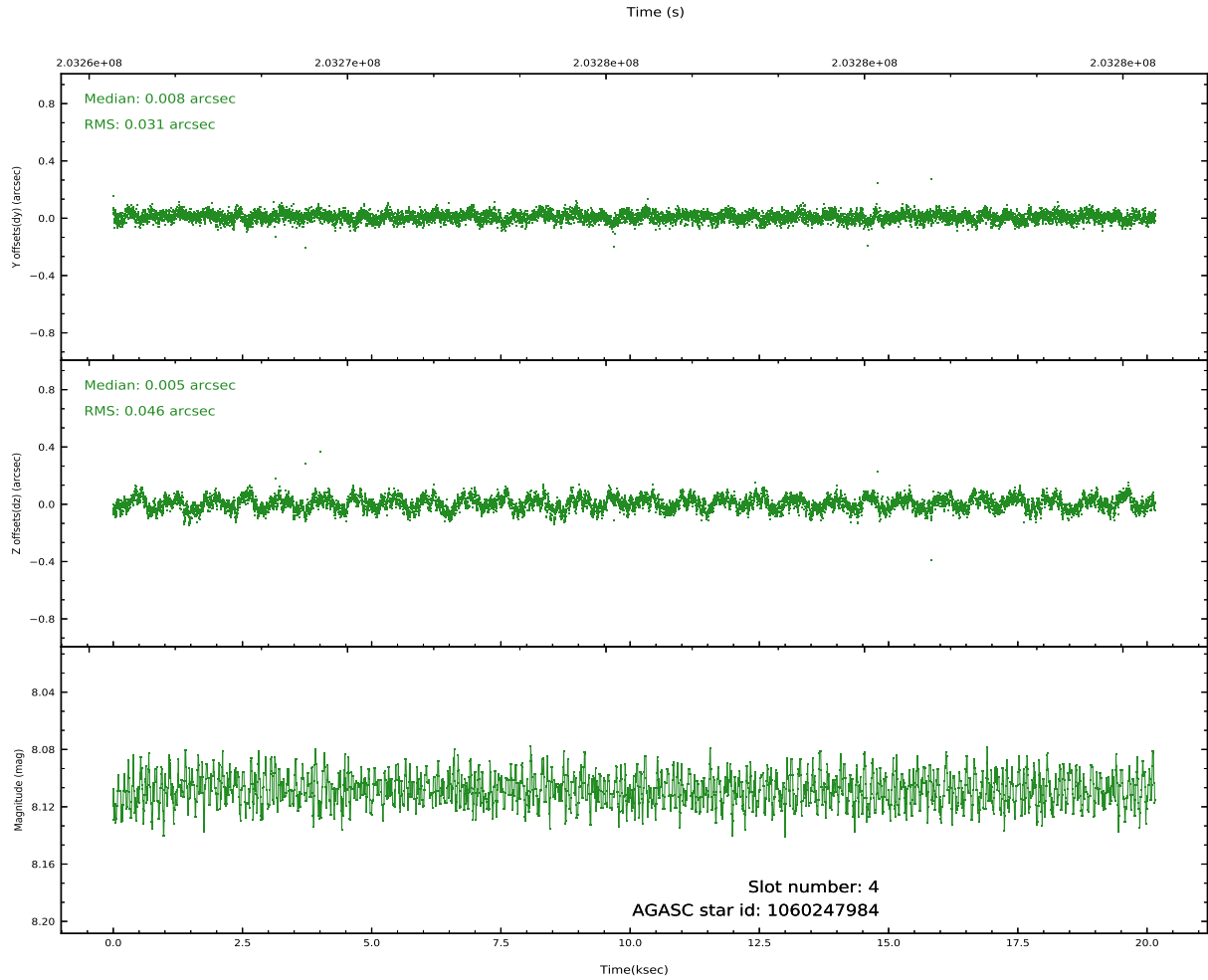
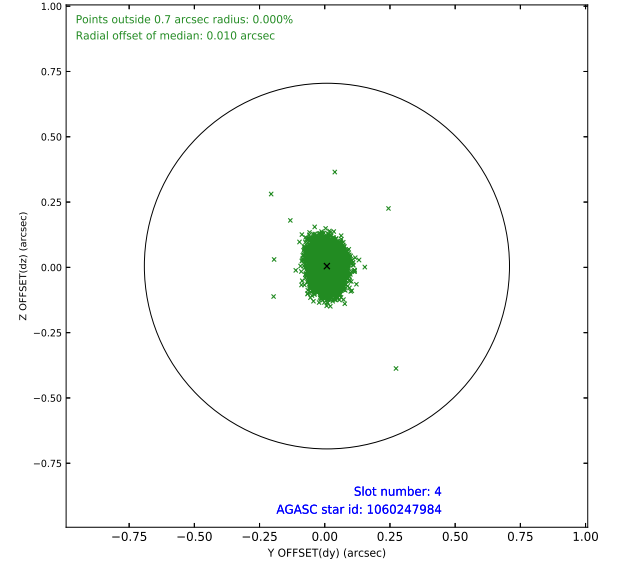
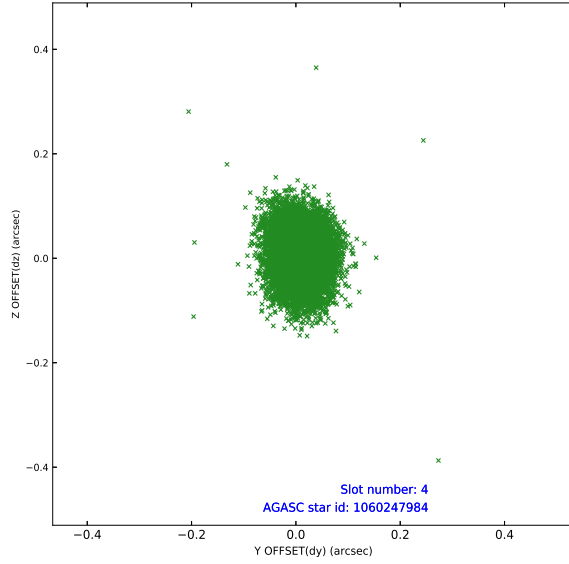
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-2	7.14	4918	1.000	-0.179	-0.094	0.018	0.027	0.000000	0.000000	-758.59	-838
1	FID		ACIS-I-4	7.17	4917	1.000	0.111	0.103	0.017	0.023	0.000000	0.000000	2155.65	1068
2	FID		ACIS-I-6	7.25	4918	1.000	-0.031	0.053	0.014	0.024	0.000000	0.000000	401.85	1710
3	GUIDE	used	1060244808	8.38	9835	1.000	0.011	0.074	0.053	0.086	78.979100	-48.690695	1374.10	-458
4	GUIDE	used	1060247984	8.11	9835	1.000	0.008	0.005	0.058	0.094	79.200991	-48.640794	846.09	-637
5	GUIDE	used	1060766192	8.87	9836	1.000	-0.005	0.036	0.073	0.119	80.252562	-49.173251	-1622.63	1304
6	GUIDE	used	1060771312	9.39	9830	1.000	-0.034	-0.116	0.086	0.147	79.424524	-48.911494	319.98	339
7	GUIDE	used	1060771792	9.42	9826	1.000	0.018	-0.002	0.107	0.174	80.313577	-49.351204	-1754.85	1947

2.4 Star Slots

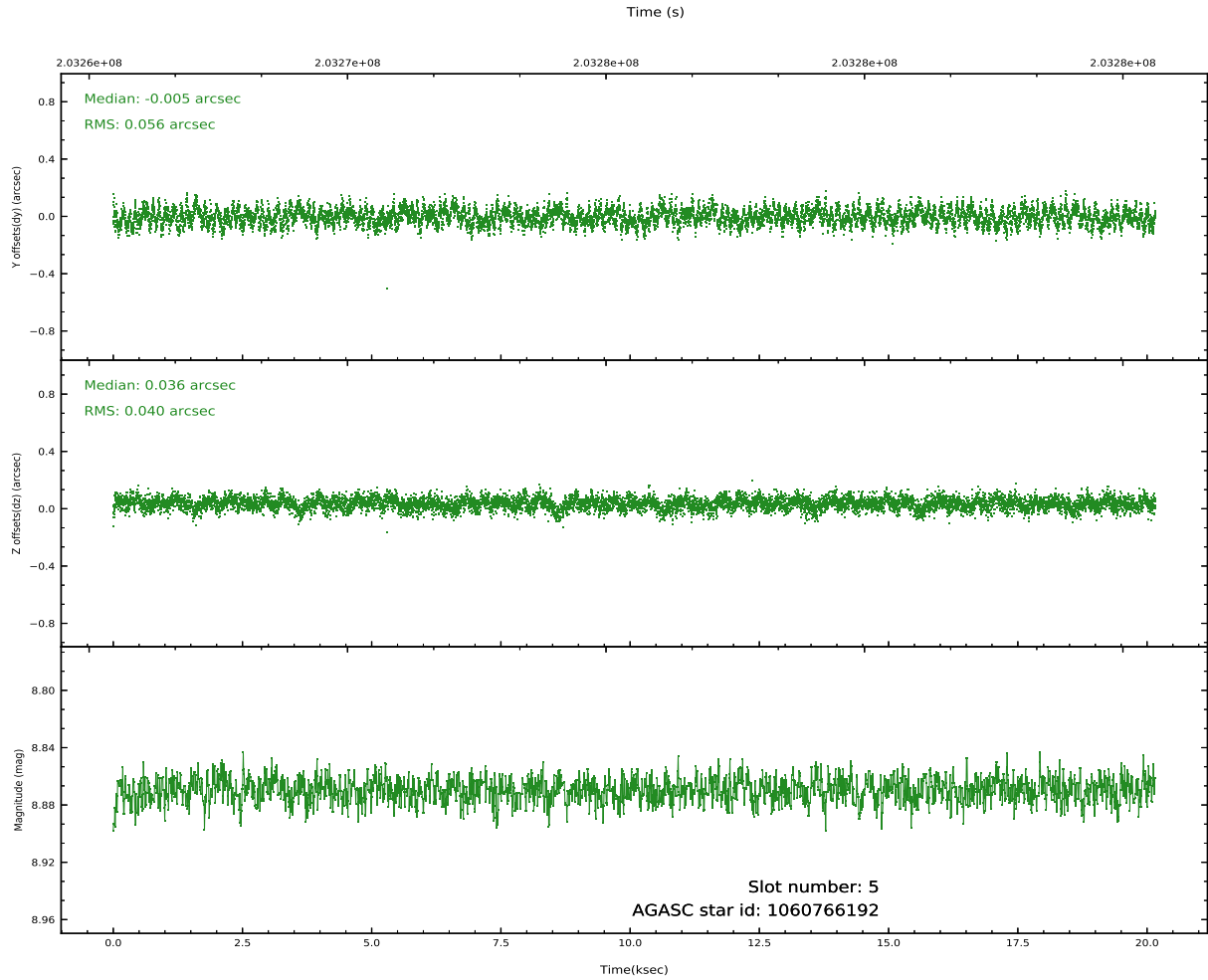
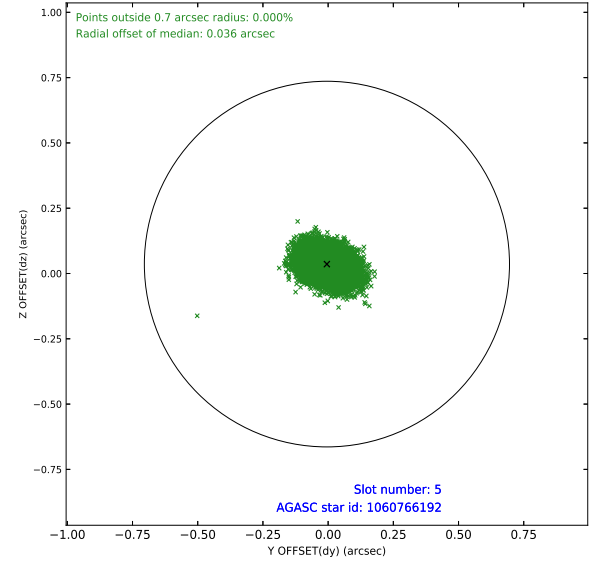
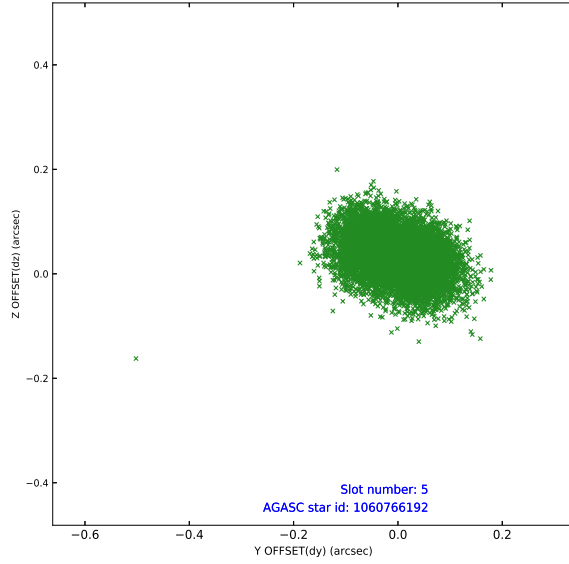
2.4.1 Slot 3



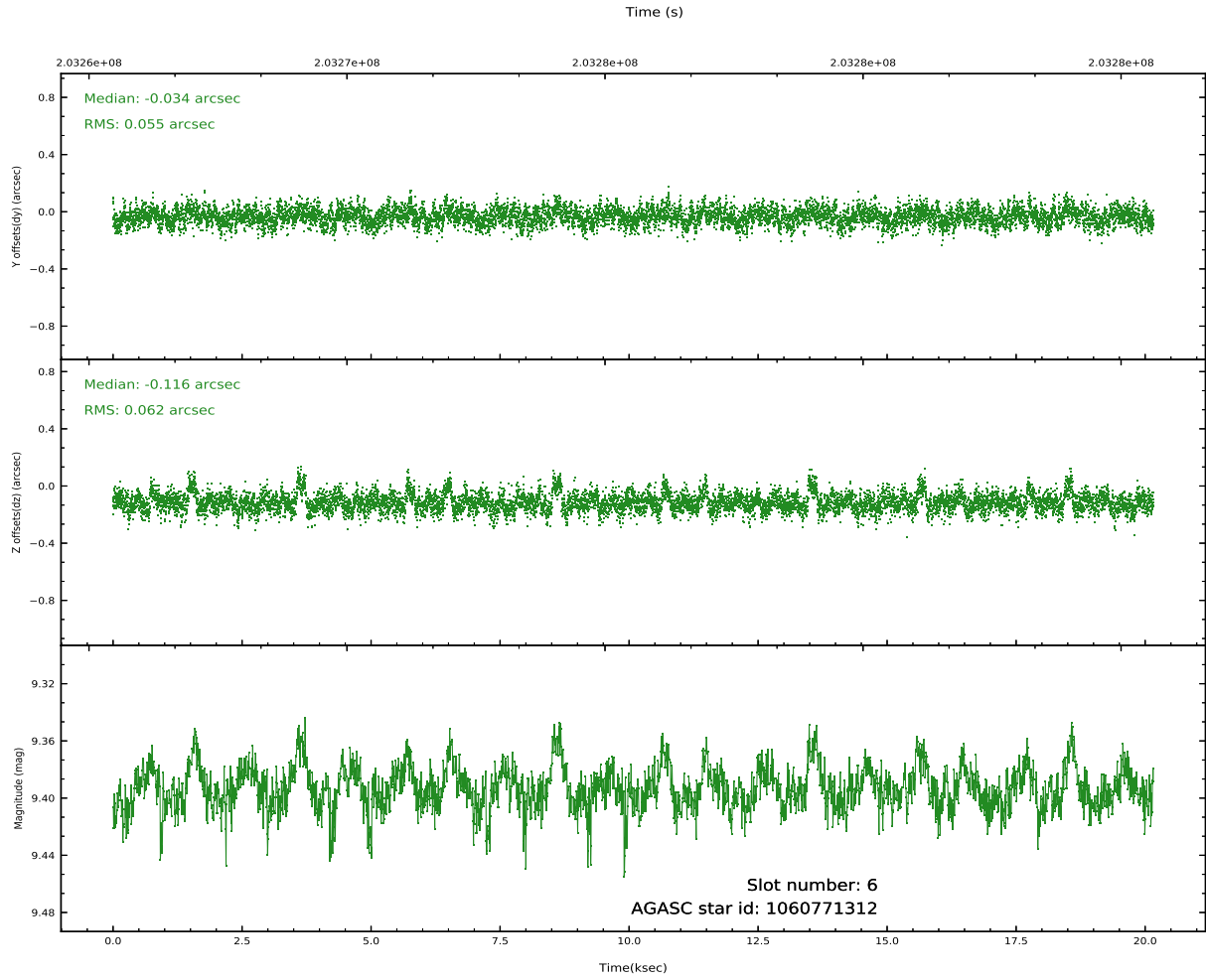
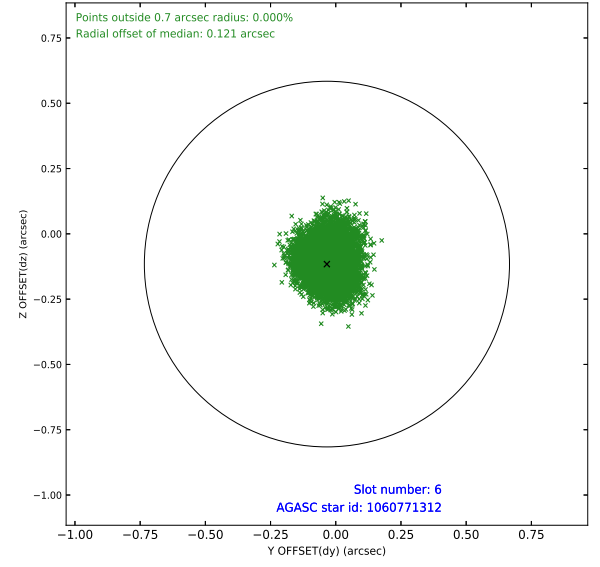
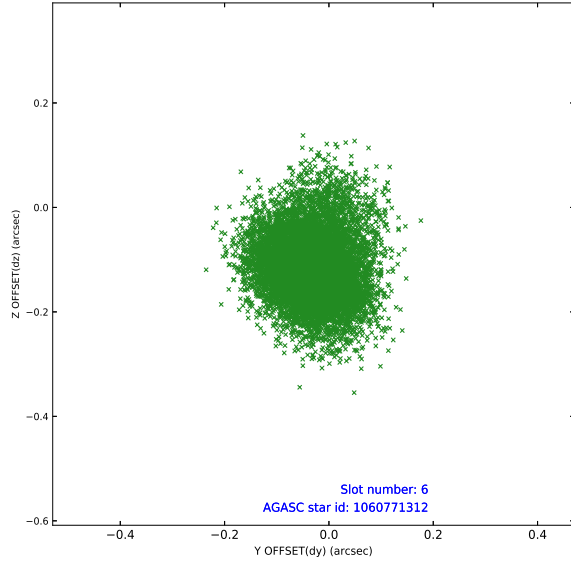
2.4.2 Slot 4



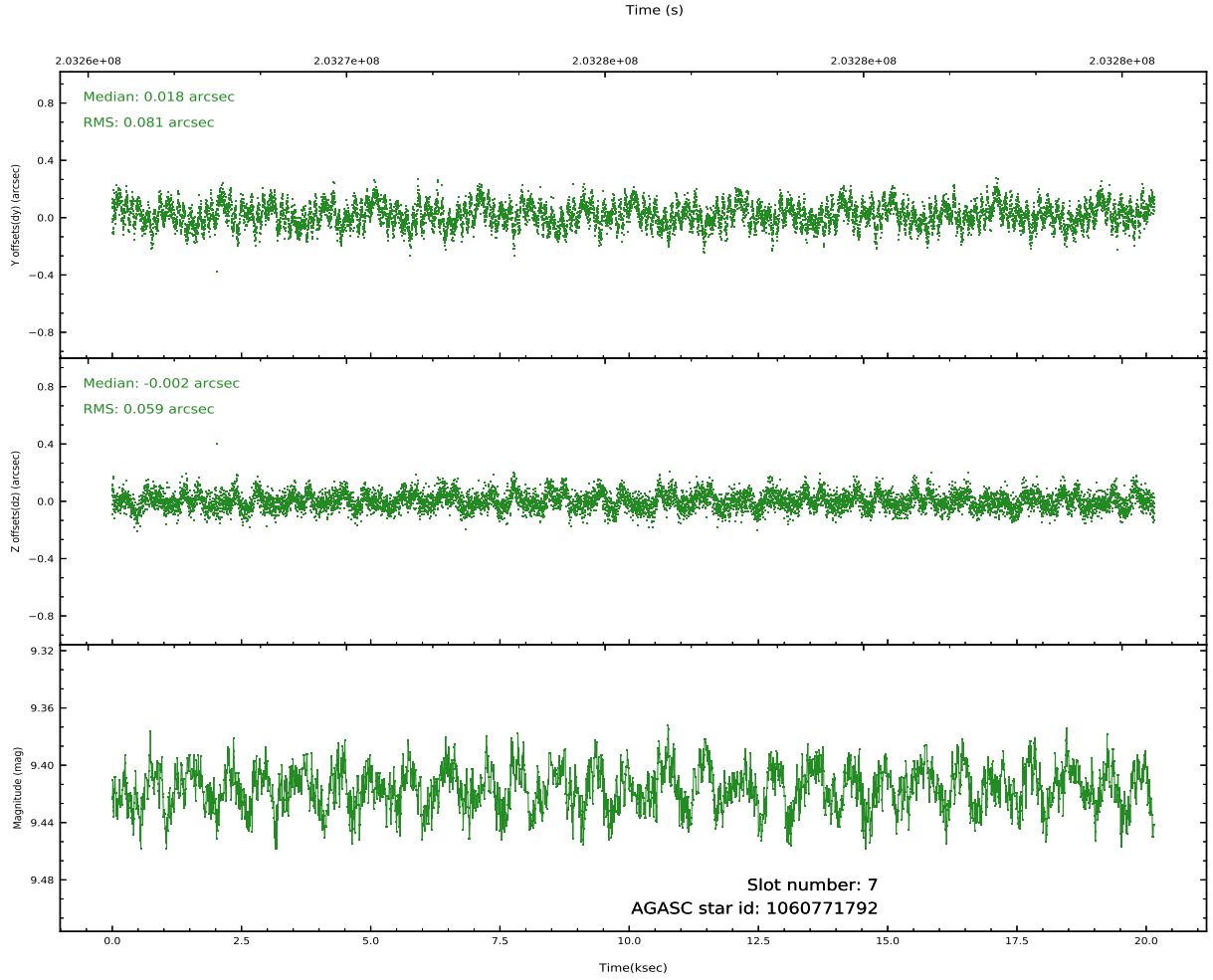
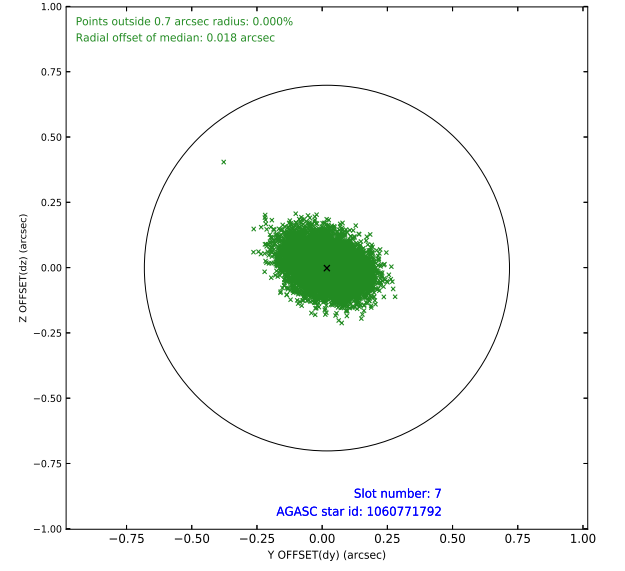
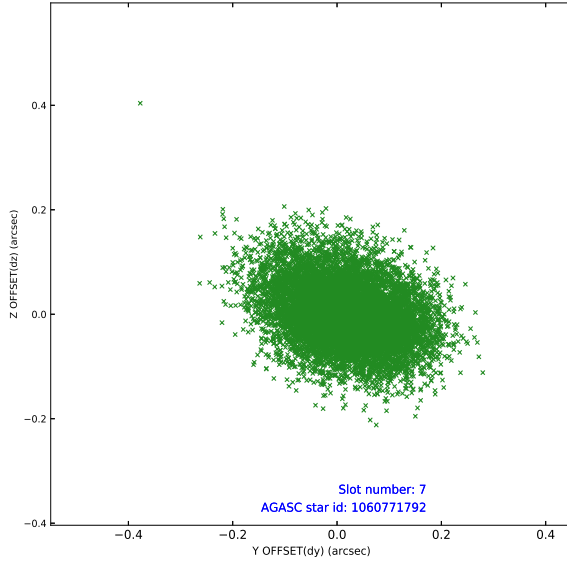
2.4.3 Slot 5



2.4.4 Slot 6

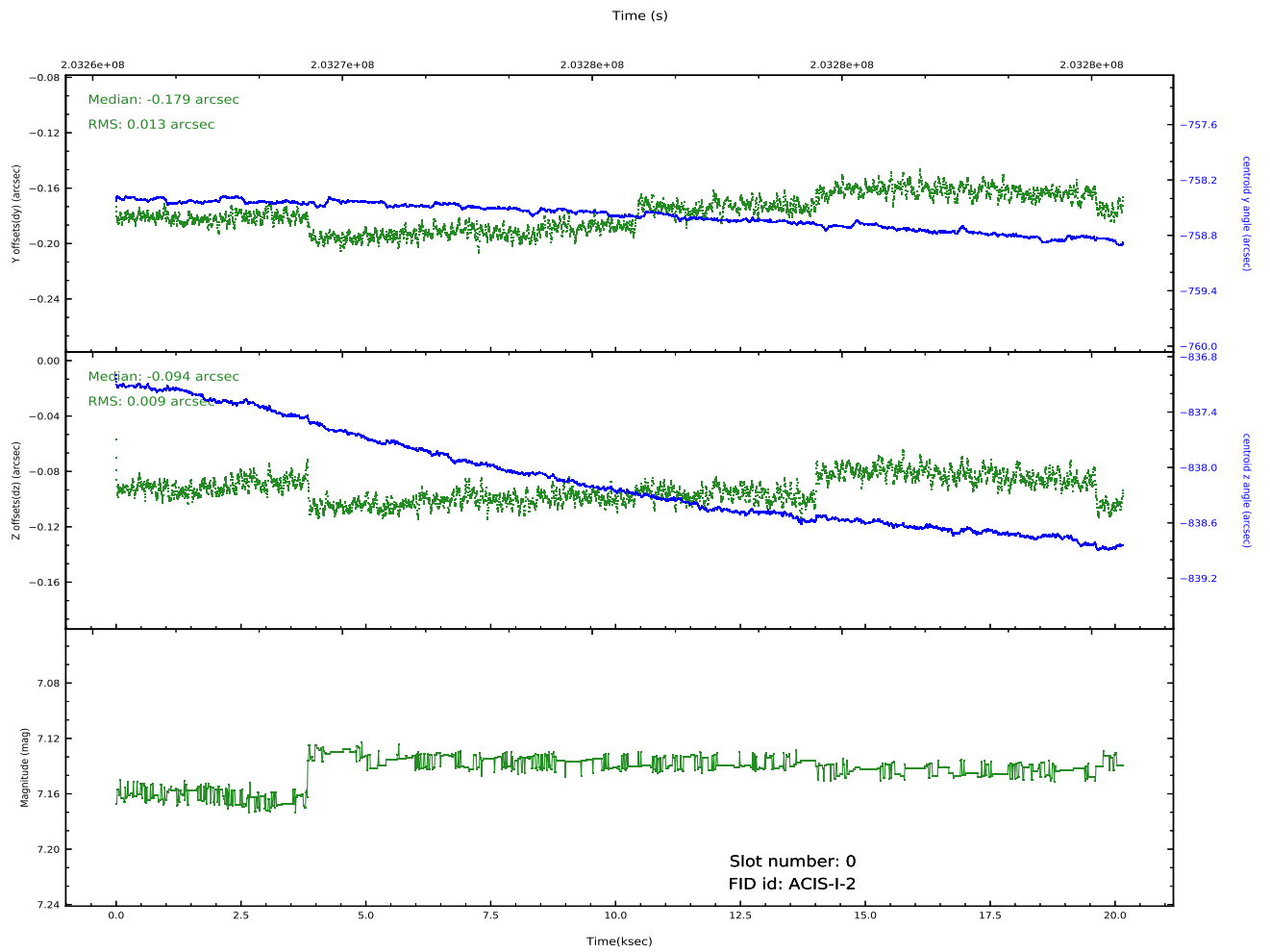
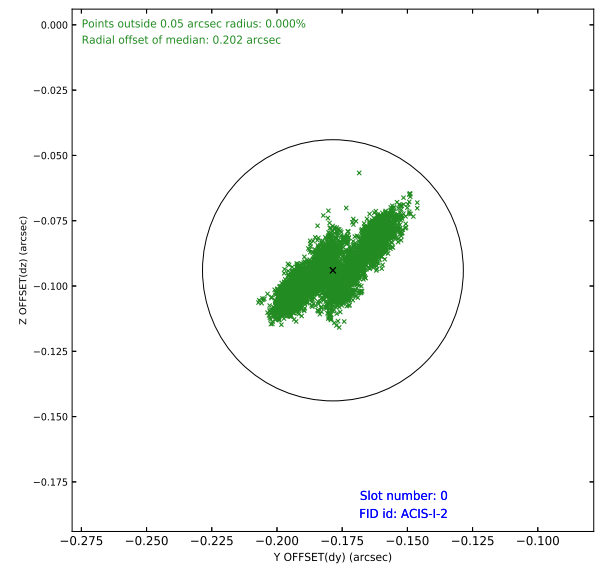
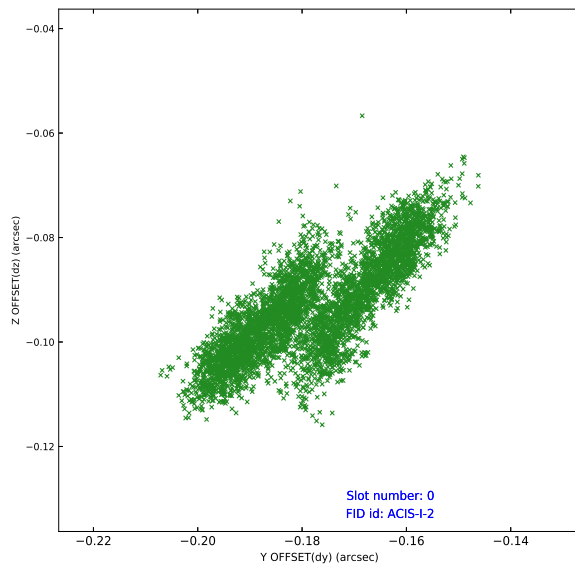


2.4.5 Slot 7

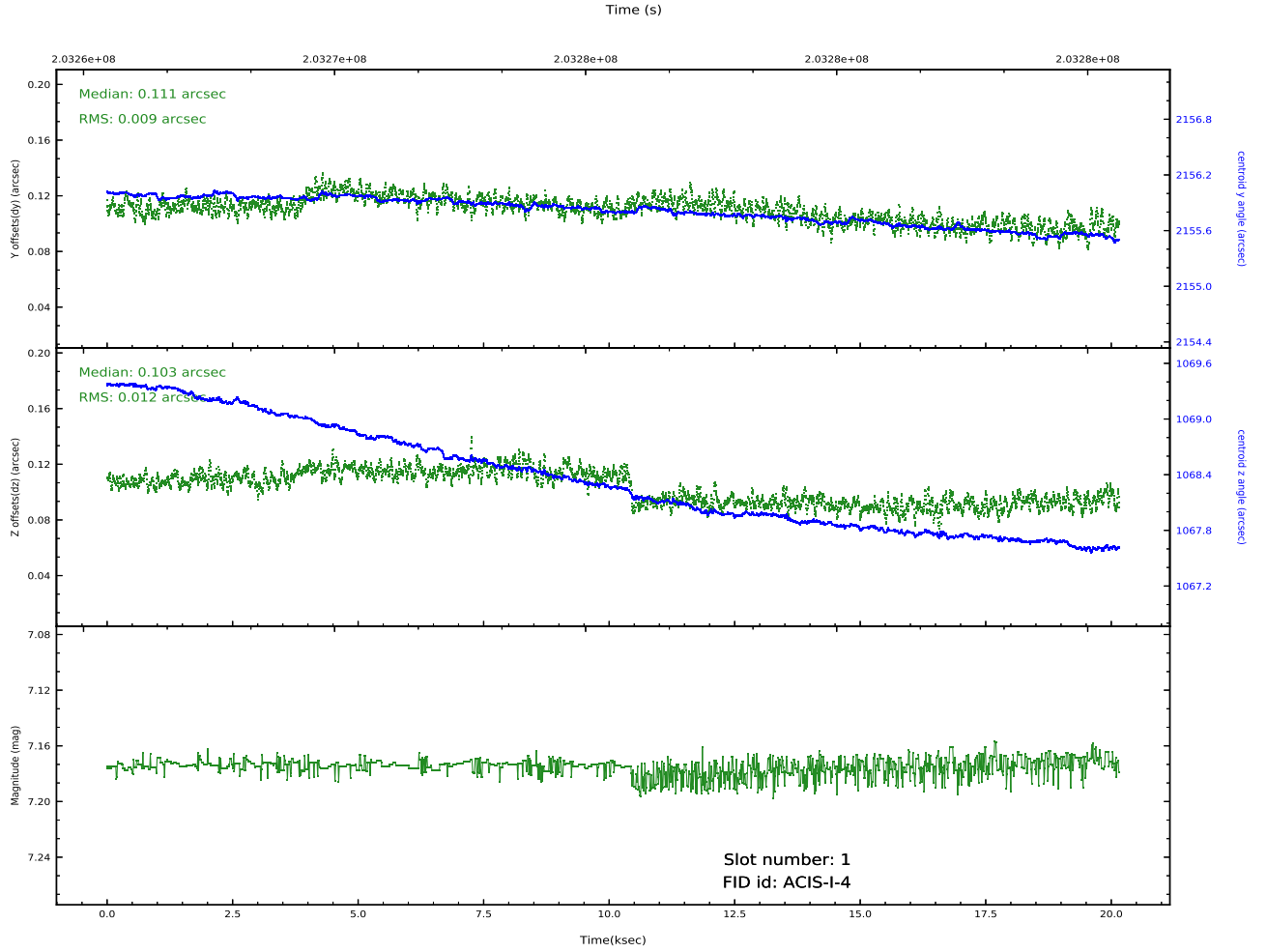
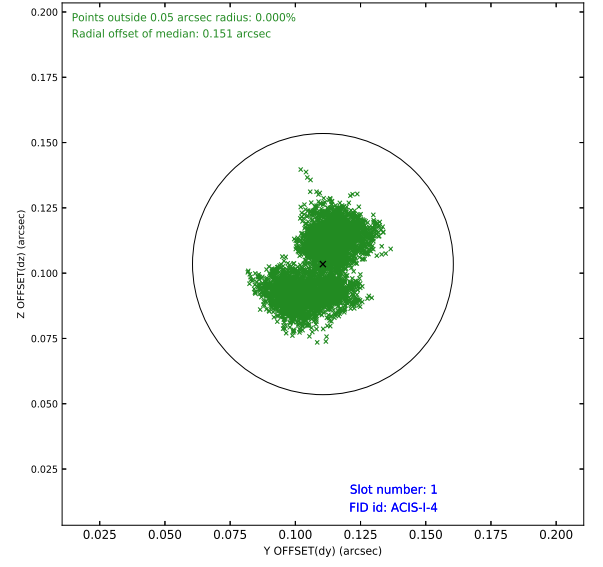
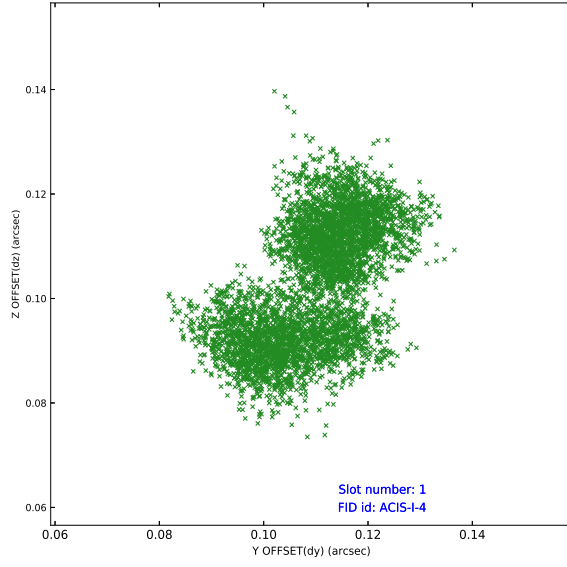


2.5 FID Slots

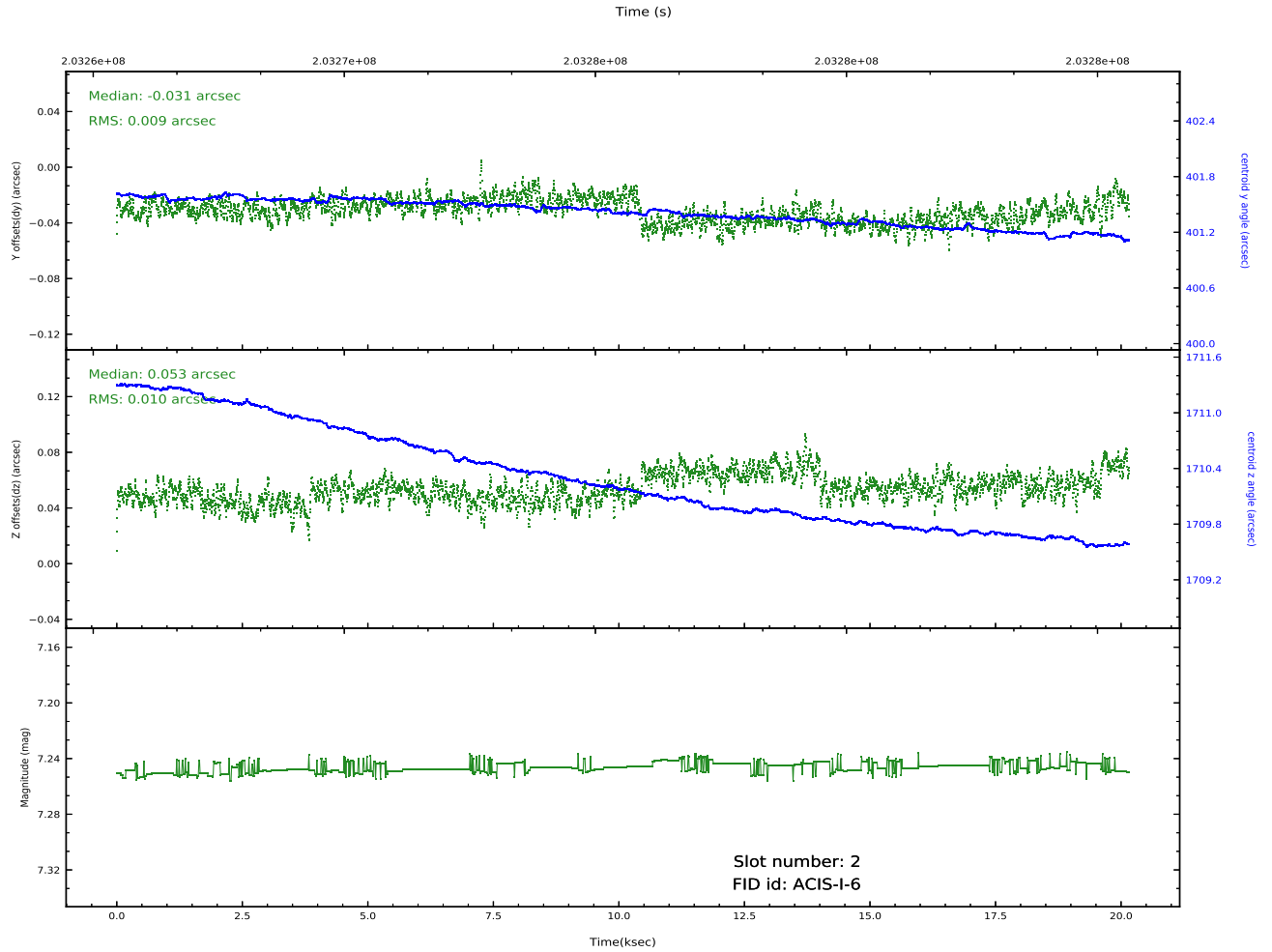
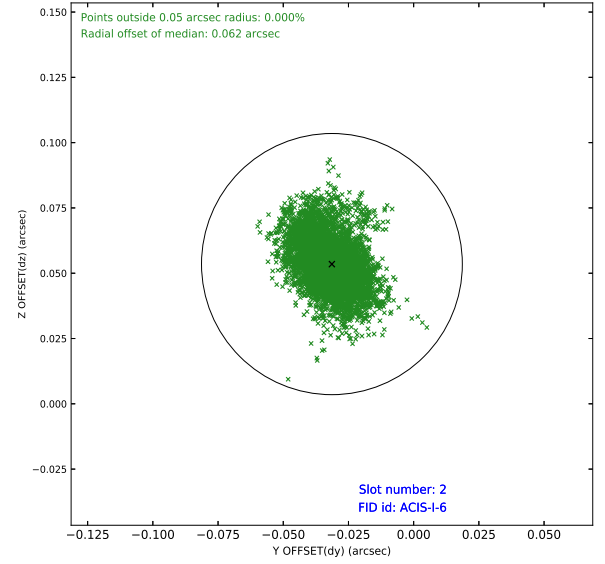
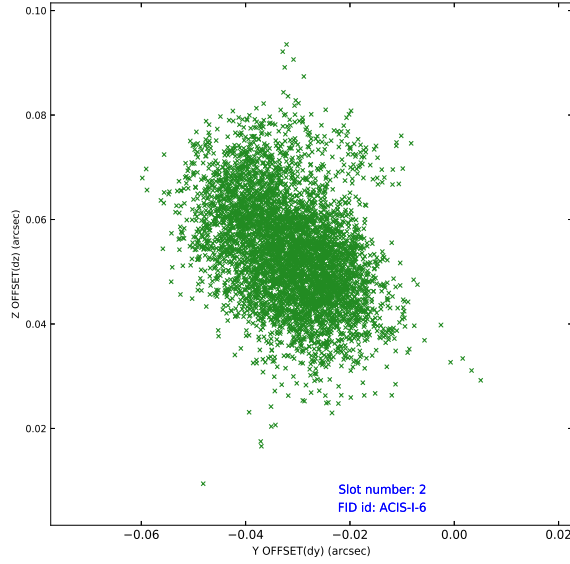
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.097

A.2 Comments