

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20360 - L2 Version 2
Chandra X-Ray Center

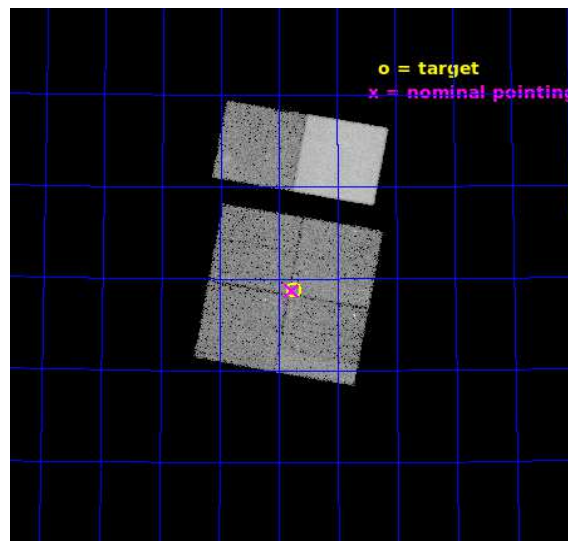
L2 Processing Date : Oct 28 2020

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1 Front

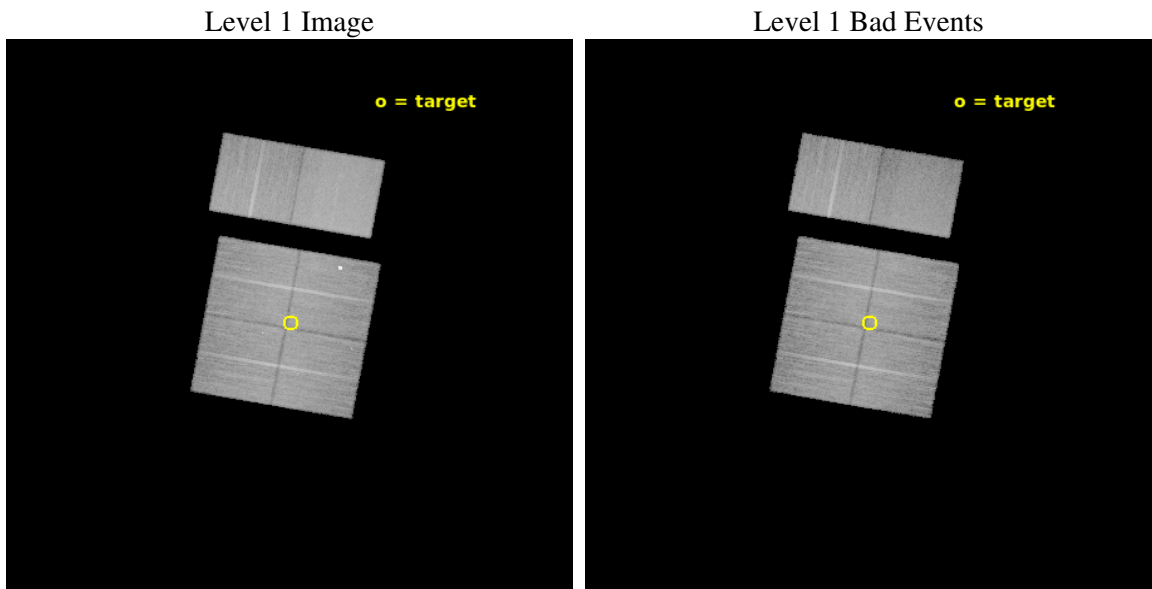
seq_num	901403	Sequence number
obs_id	20360	Observation id
title	Deep Pilot X-ray Observations of the JWST-NEP Time Domain Field	Pr
observer	Walter Maksym	Principal investigator
object	JWST-DTDF-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.6875	Observer's specified target RA [deg]
dec_targ	65.813889	Observer's specified target Dec [deg]
ra_nom	260.69434423258	Nominal RA [deg]
dec_nom	65.811797092185	Nominal Dec [deg]
roll_nom	10.191626851997	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21952.00032711	Sum of GTIs [s]
livetime	21674.030881061	Livetime [s]
ontime0	21952.00032711	Sum of GTIs [s]
ontime1	21952.00032711	Sum of GTIs [s]
ontime2	21952.00032711	Sum of GTIs [s]
ontime3	21952.00032711	Sum of GTIs [s]
ontime6	21952.00032711	Sum of GTIs [s]
ontime7	21952.00032711	Sum of GTIs [s]
l2events	166864	Number of level 2 events



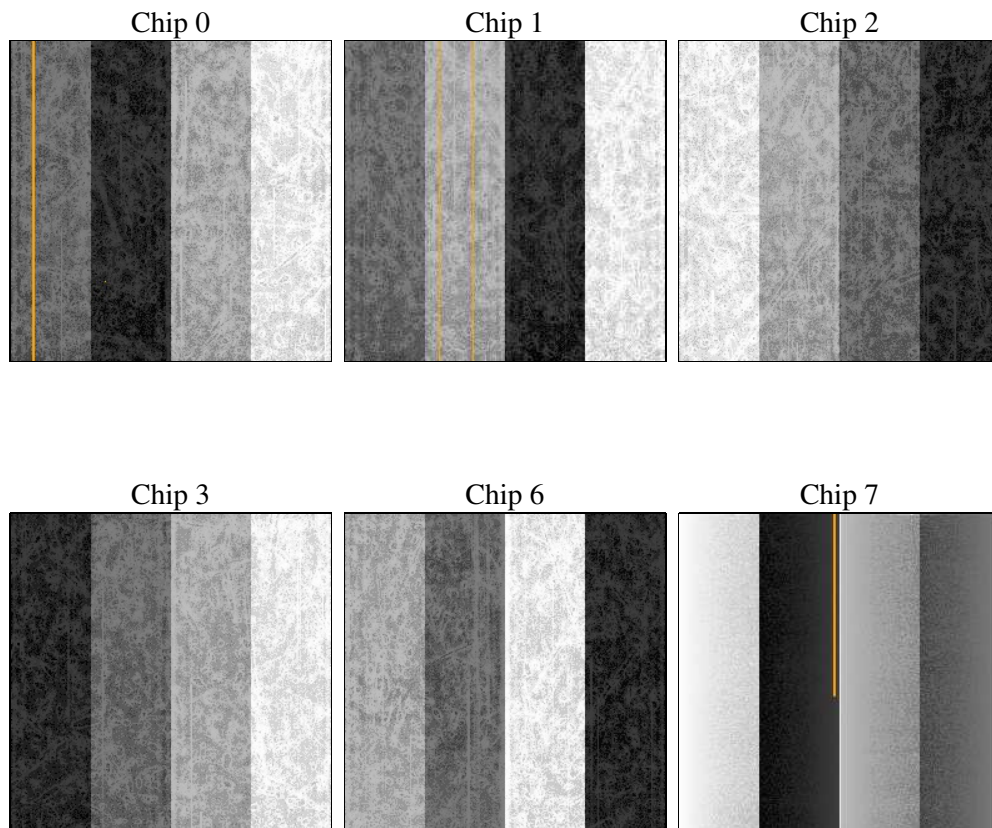
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	21952.00032711	Sum of GTIs [s]
caldsver	4.9.3	 	ontime0	21952.00032711	Sum of GTIs [s]
date	2020-10-28T16:00:33	Date and time of file creation	ontime1	21952.00032711	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	21952.00032711	Sum of GTIs [s]
			ontime3	21952.00032711	Sum of GTIs [s]
			ontime6	21952.00032711	Sum of GTIs [s]
			ontime7	21952.00032711	Sum of GTIs [s]
			l1events	992696	Number of level 1 events

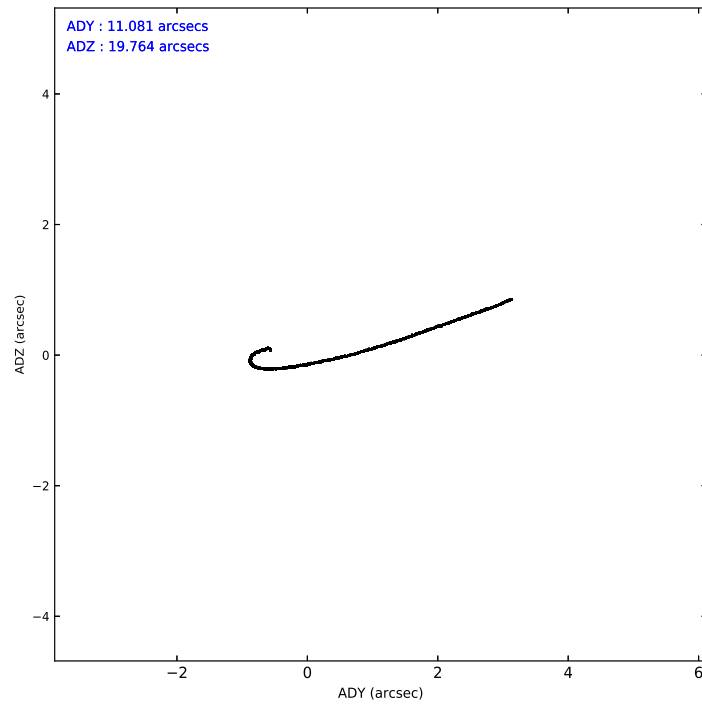
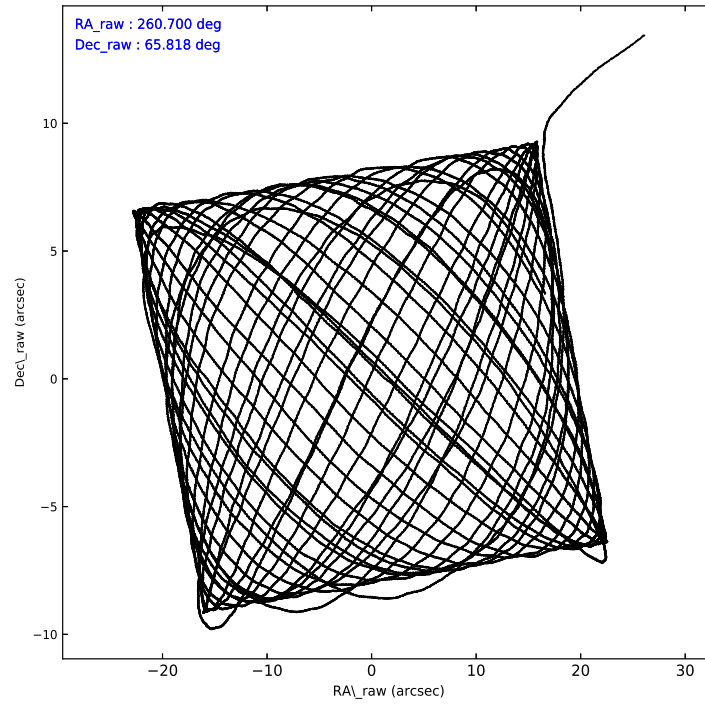
2.1.4 Events

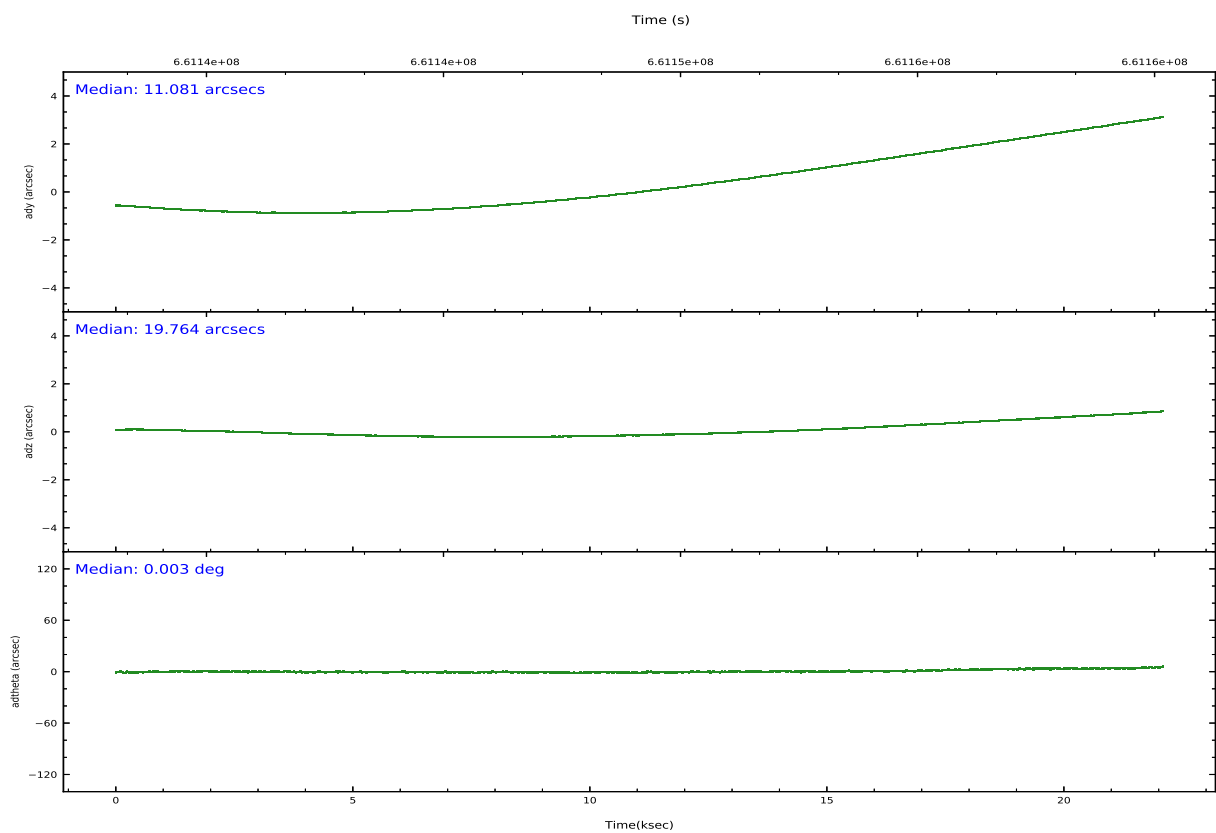
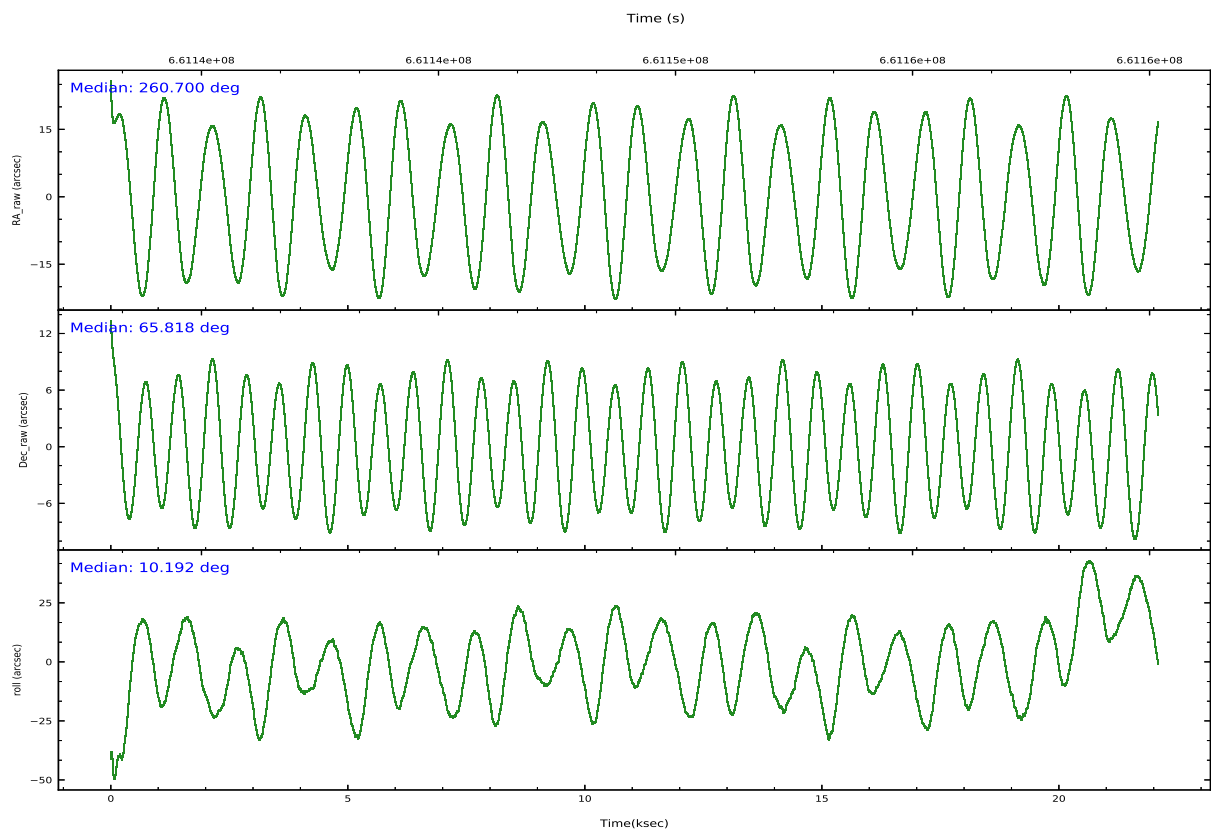
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	146464	149134	158286	162031	168363	208418	grade 0 events	6442	6902	6271	12738	6207	7753
rejected events	127859	128707	140187	138117	149680	117421		4%	4%	3%	7%	3%	3%
rejected %	87%	86%	88%	85%	88%	56%	grade 1 events	89	98	90	126	83	332
								0%	0%	0%	0%	0%	0%
							grade 2 events	4651	5261	4549	3958	4369	19432
								3%	3%	2%	2%	2%	9%
							grade 3 events	1916	1906	1782	1812	1754	7283
								1%	1%	1%	1%	1%	3%
							grade 4 events	1721	1877	1876	1798	1785	7036
								1%	1%	1%	1%	1%	3%
							grade 5 events	7048	7327	6550	7773	7814	20341
								4%	4%	4%	4%	4%	9%
							grade 6 events	3879	4485	3628	3618	4571	49513
								2%	3%	2%	2%	2%	23%
							grade 7 events	120718	121278	133540	130208	141780	96728
								82%	81%	84%	80%	84%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	260.648873	260.69434423258	CCD I2 on	Y	Y
[deg] Pointing Dec	65.800124	65.811797092185	CCD I3 on	Y	Y
[deg] Pointing Roll	10.035240	10.191626851997	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	661138181.184000	661136592.66962	CCD S5 on	N	N
Observation start date	2018-12-14T01:28:32	2018-12-14T01:03:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	661160181.184000	661161216.2460901	On-chip summing requested	N	N
Observation end date	2018-12-14T07:35:12	2018-12-14T07:53:36	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



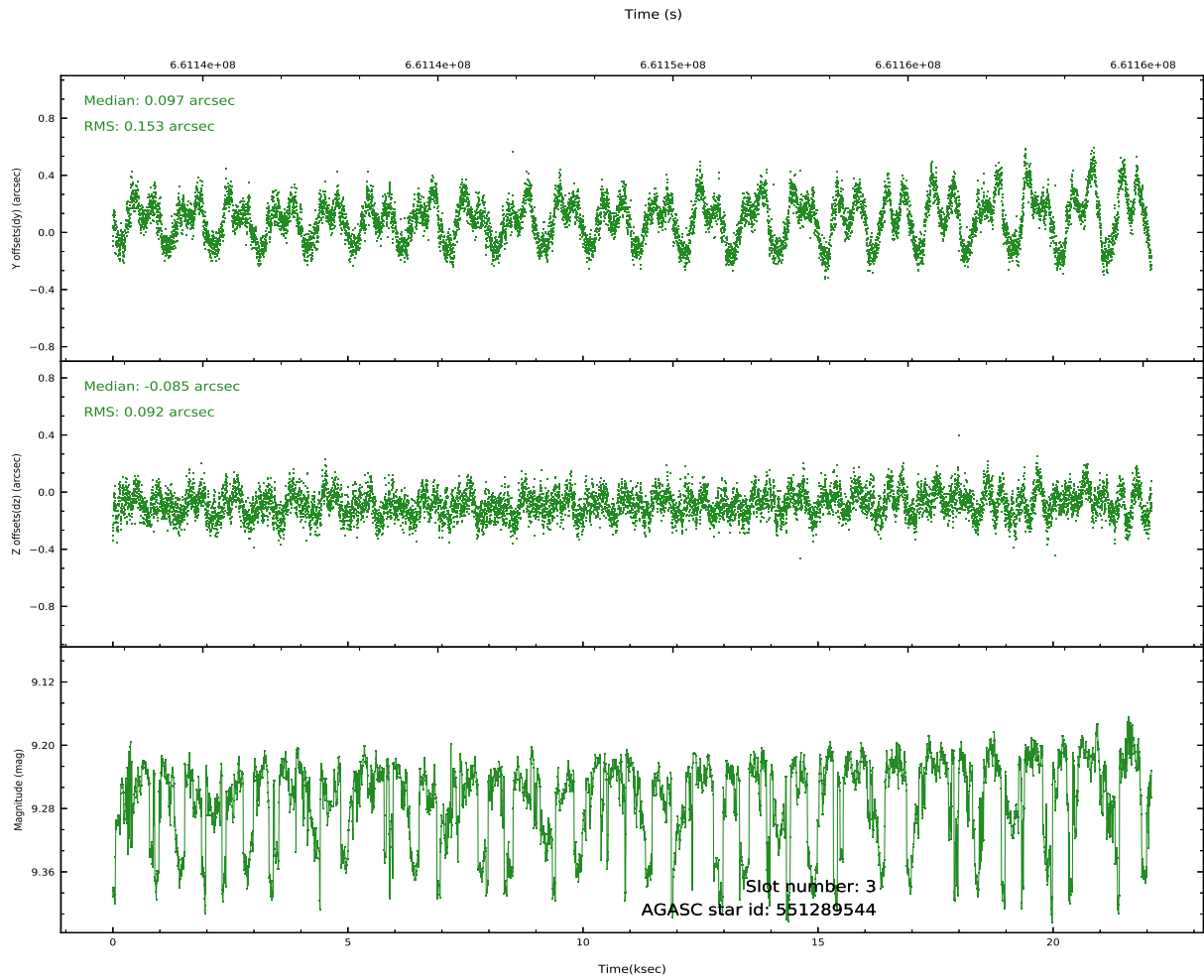
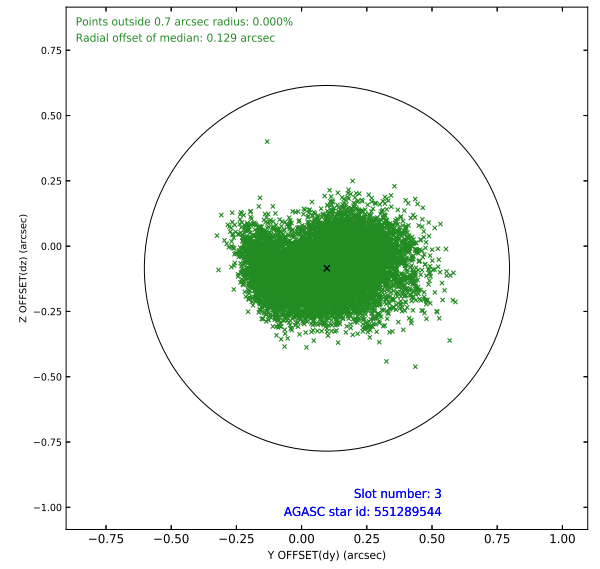
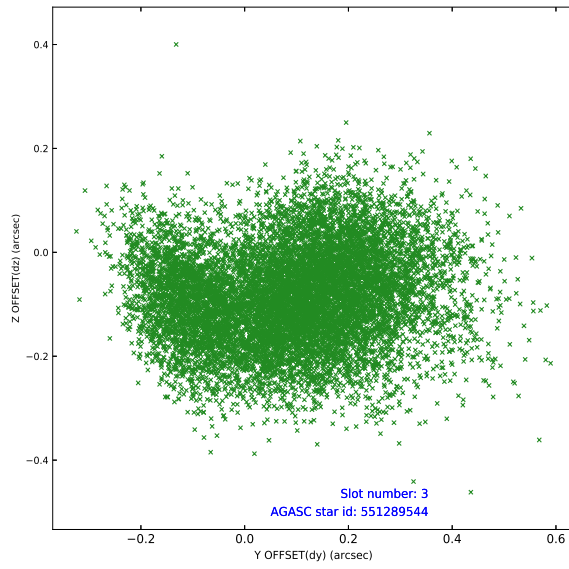


Slot Statistics

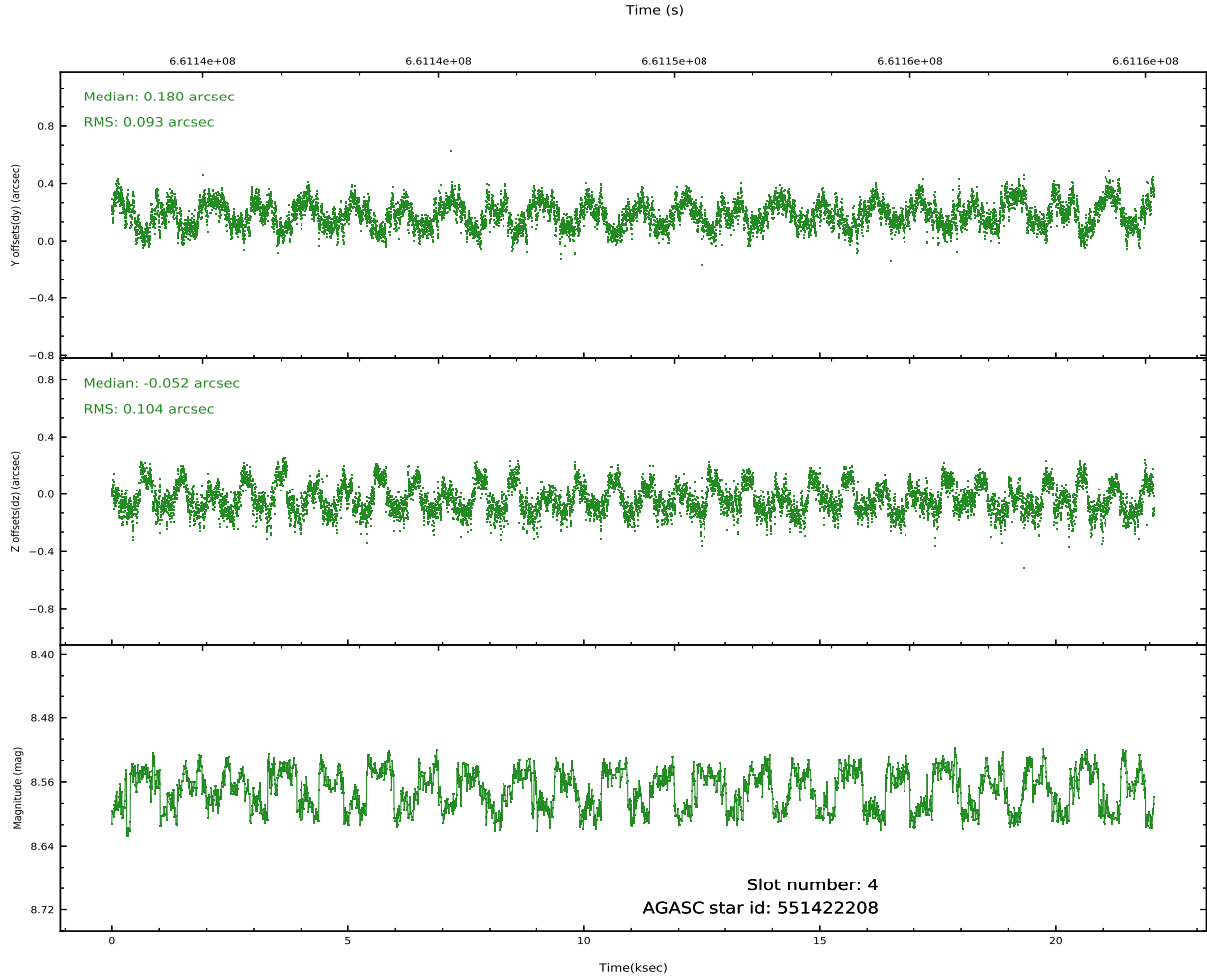
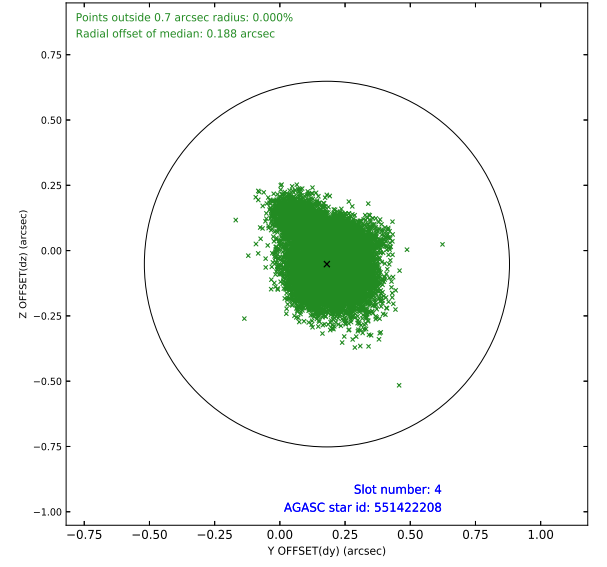
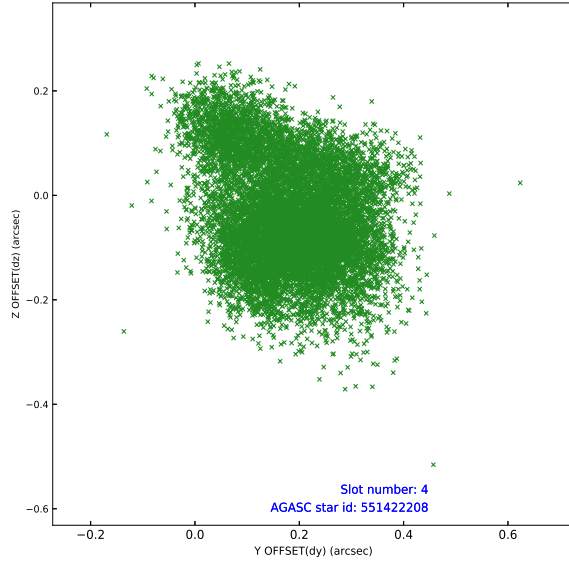
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.21	5389	1.000	0.234	-0.141	0.023	0.064	0.000000	0.000000	928.20	-843
1	FID		ACIS-I-5	7.19	5389	1.000	-0.322	0.204	0.010	0.023	0.000000	0.000000	-1820.22	1054
2	FID		ACIS-I-6	7.19	5388	1.000	-0.005	0.008	0.019	0.045	0.000000	0.000000	393.55	1698
3	GUIDE	used	551289544	9.26	10758	1.000	0.097	-0.085	0.193	0.302	261.089724	65.487644	453.48	-1220
4	GUIDE	used	551422208	8.57	10767	1.000	0.180	-0.052	0.149	0.241	261.600178	65.236311	1061.64	-2237
5	GUIDE	used	551814208	7.91	10778	1.000	-0.031	-0.053	0.102	0.156	260.175311	65.639944	-791.57	-442
6	GUIDE	used	551952296	8.72	10773	1.000	-0.161	0.015	0.118	0.195	261.999680	65.847021	1992.70	-159
7	GUIDE	used	551292376	9.23	10767	1.000	-0.083	0.160	0.141	0.226	259.292350	65.313144	-2308.92	-1349

2.4 Star Slots

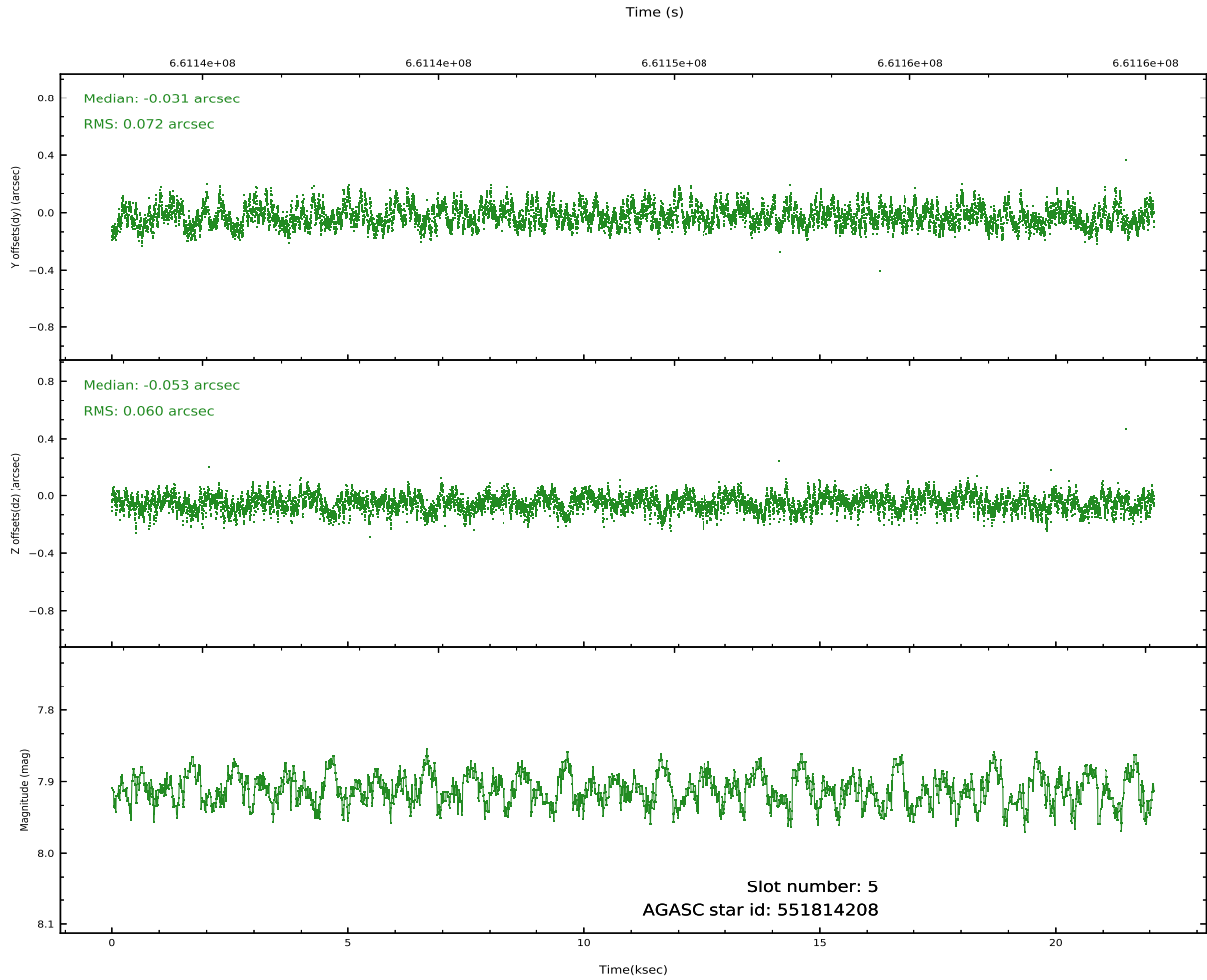
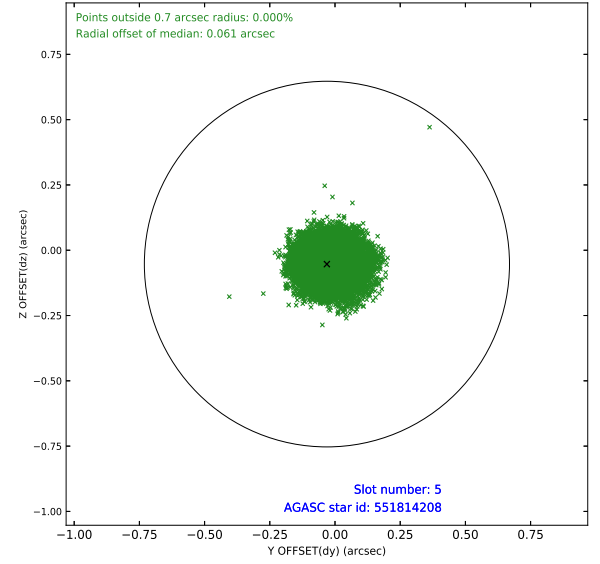
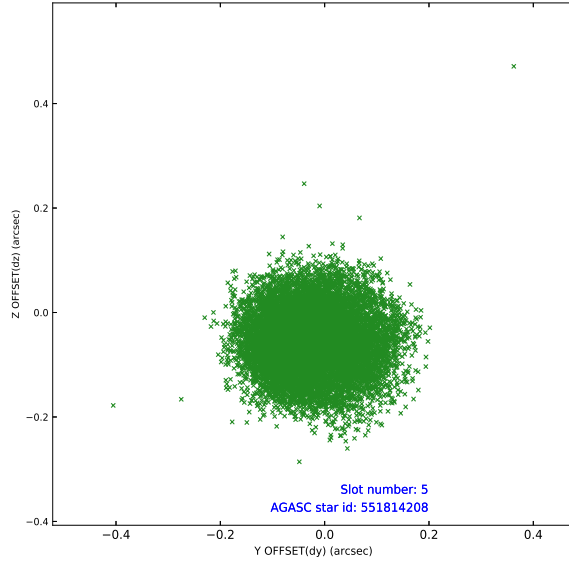
2.4.1 Slot 3



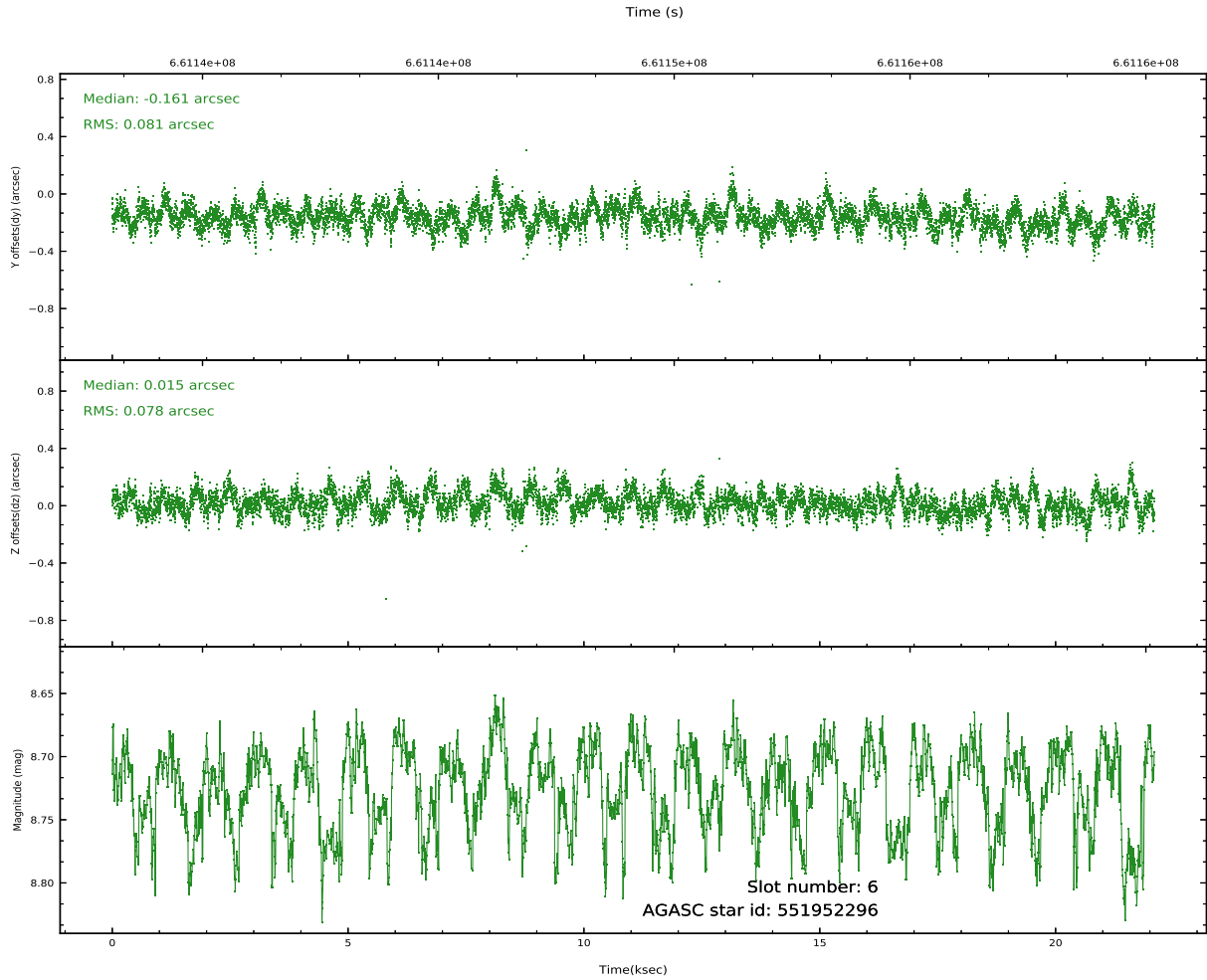
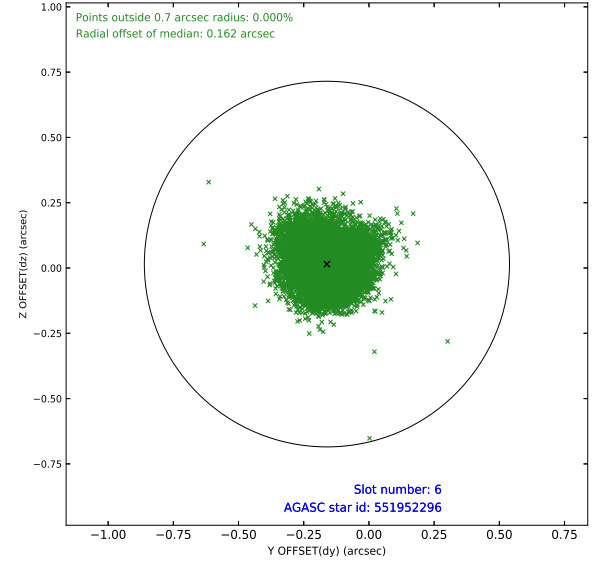
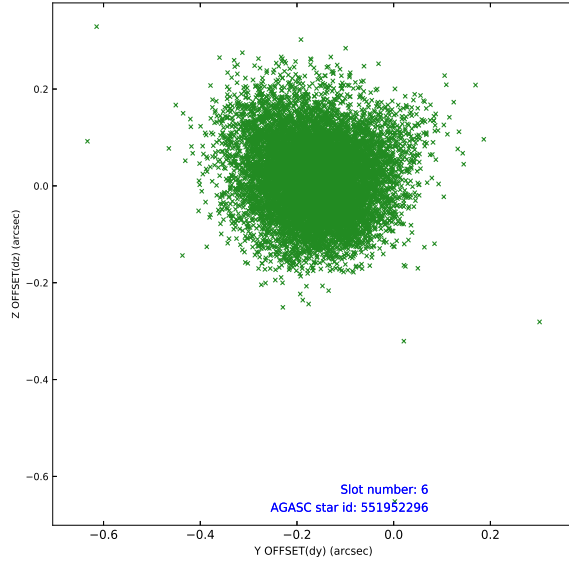
2.4.2 Slot 4



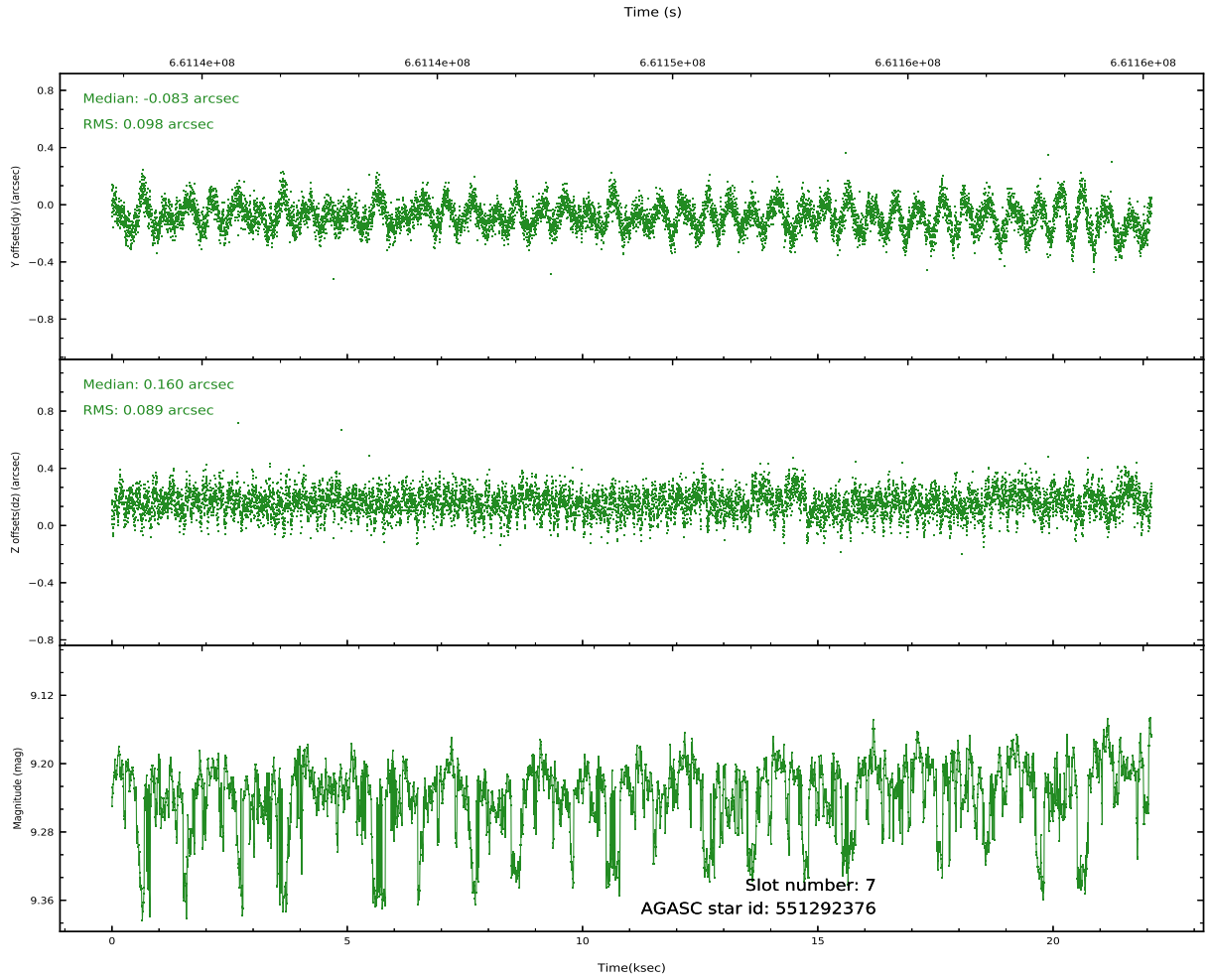
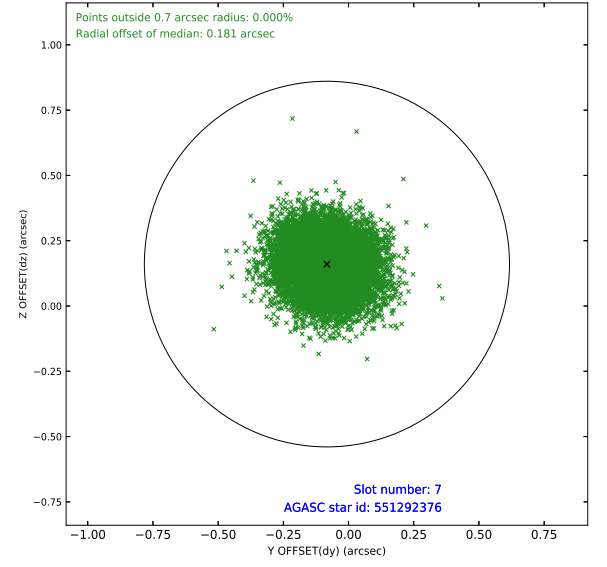
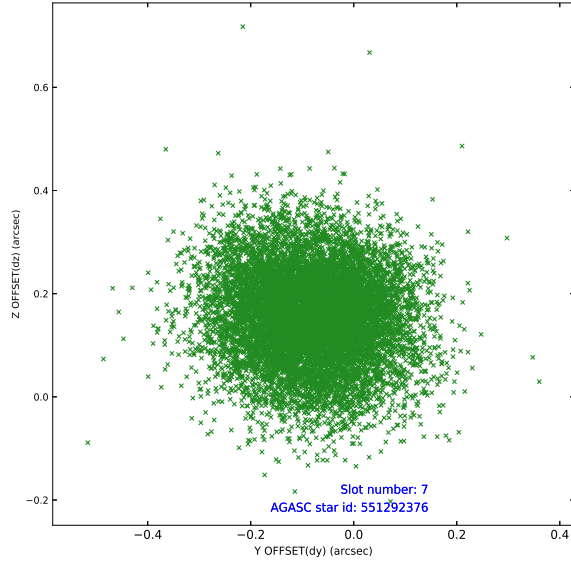
2.4.3 Slot 5



2.4.4 Slot 6

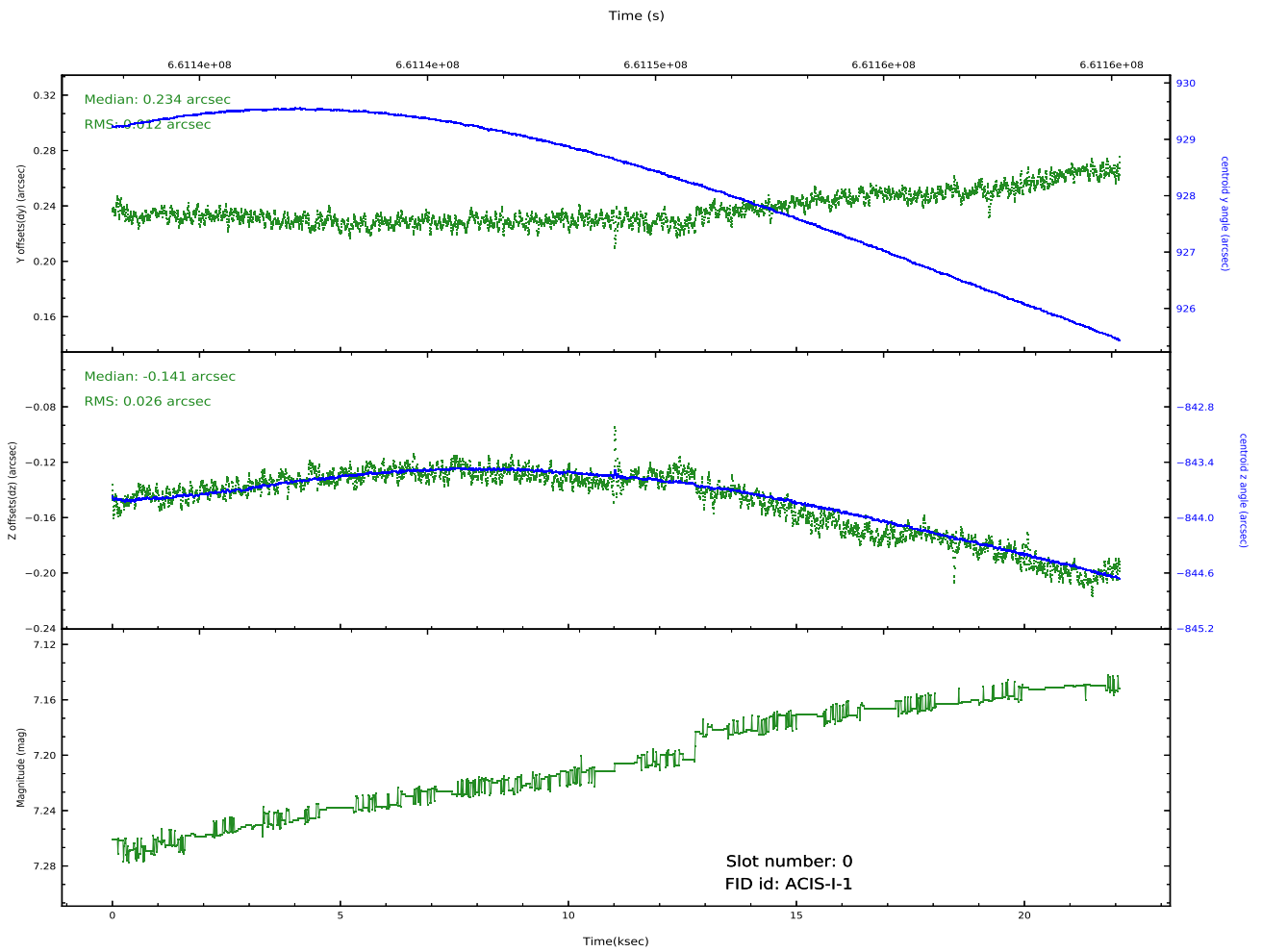
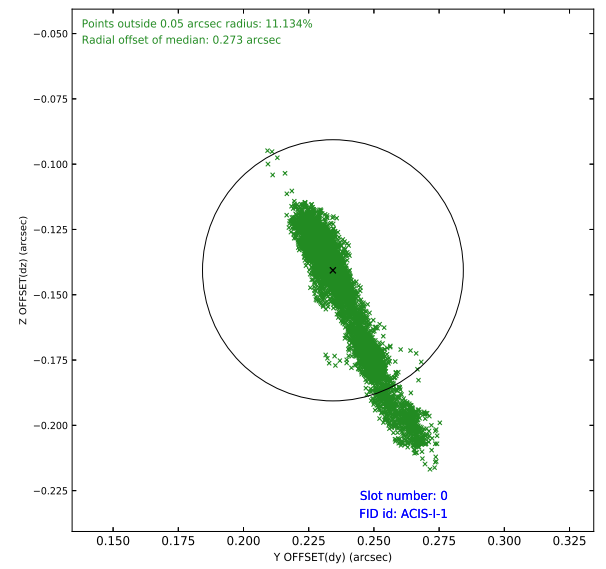
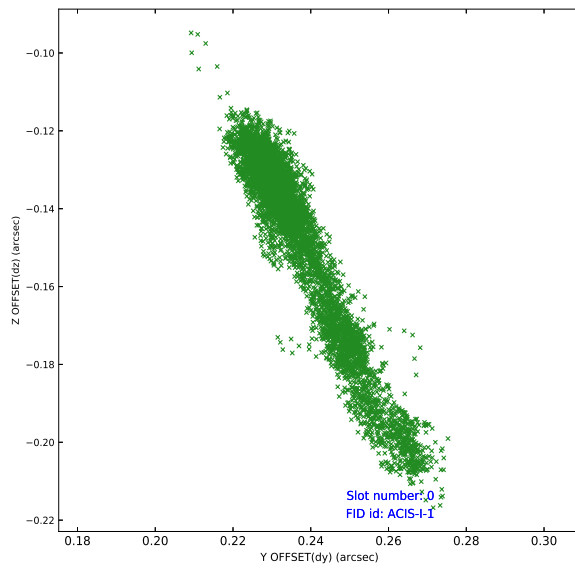


2.4.5 Slot 7

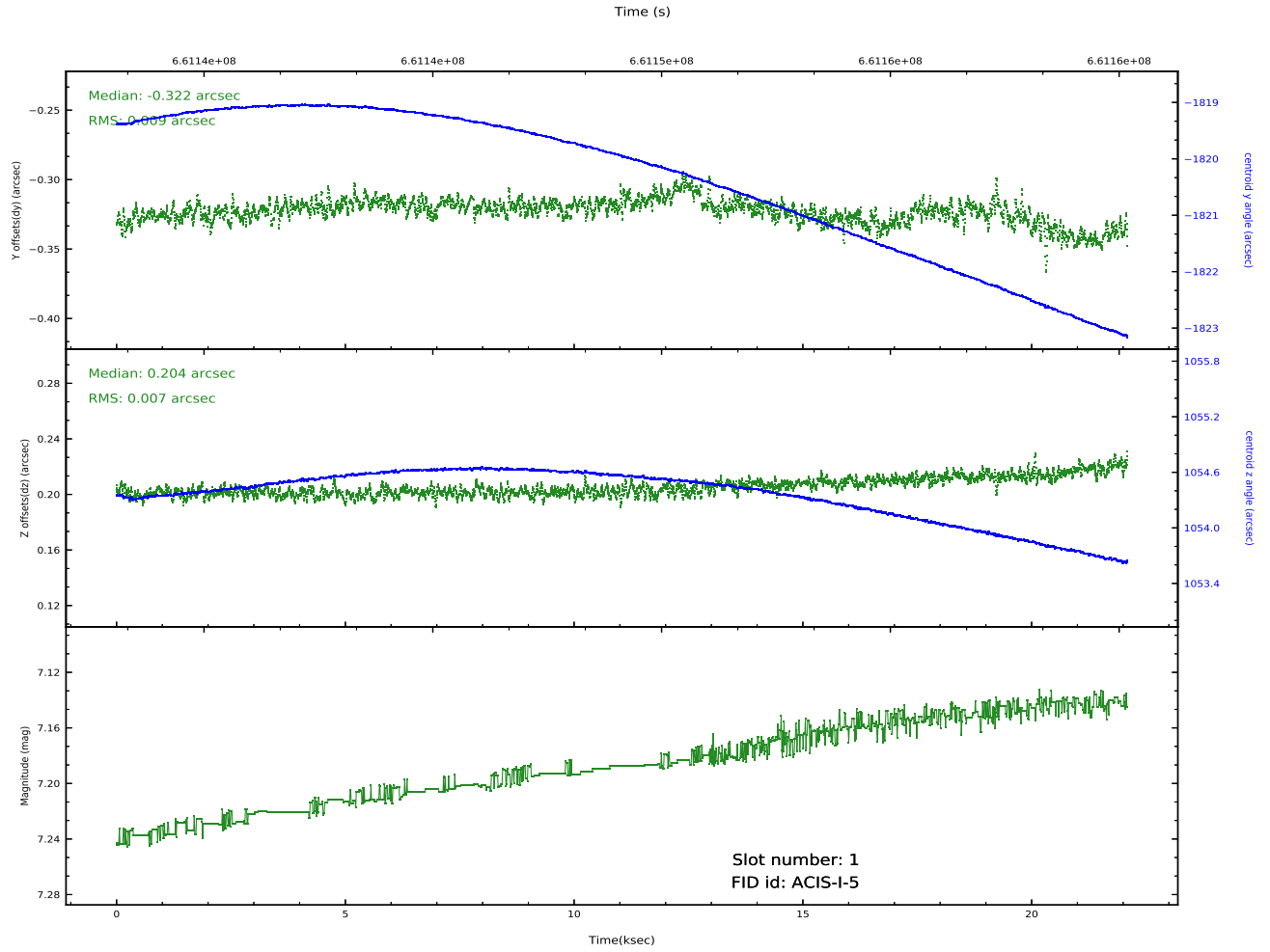
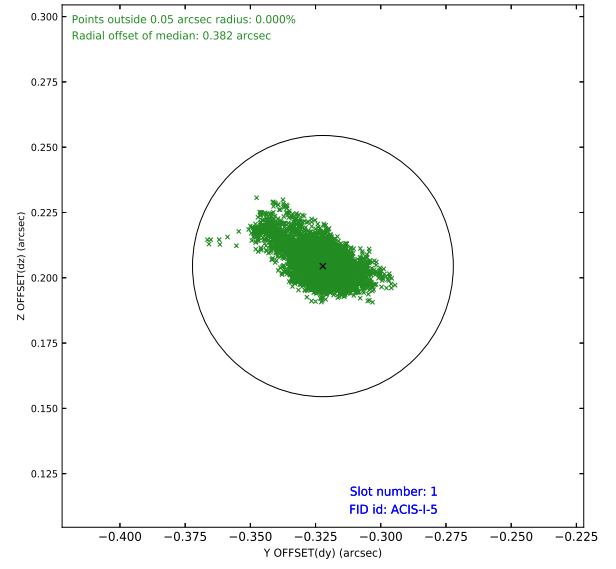
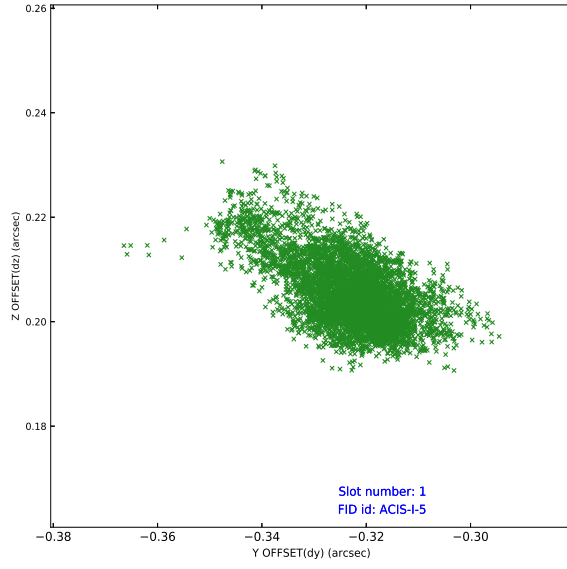


2.5 FID Slots

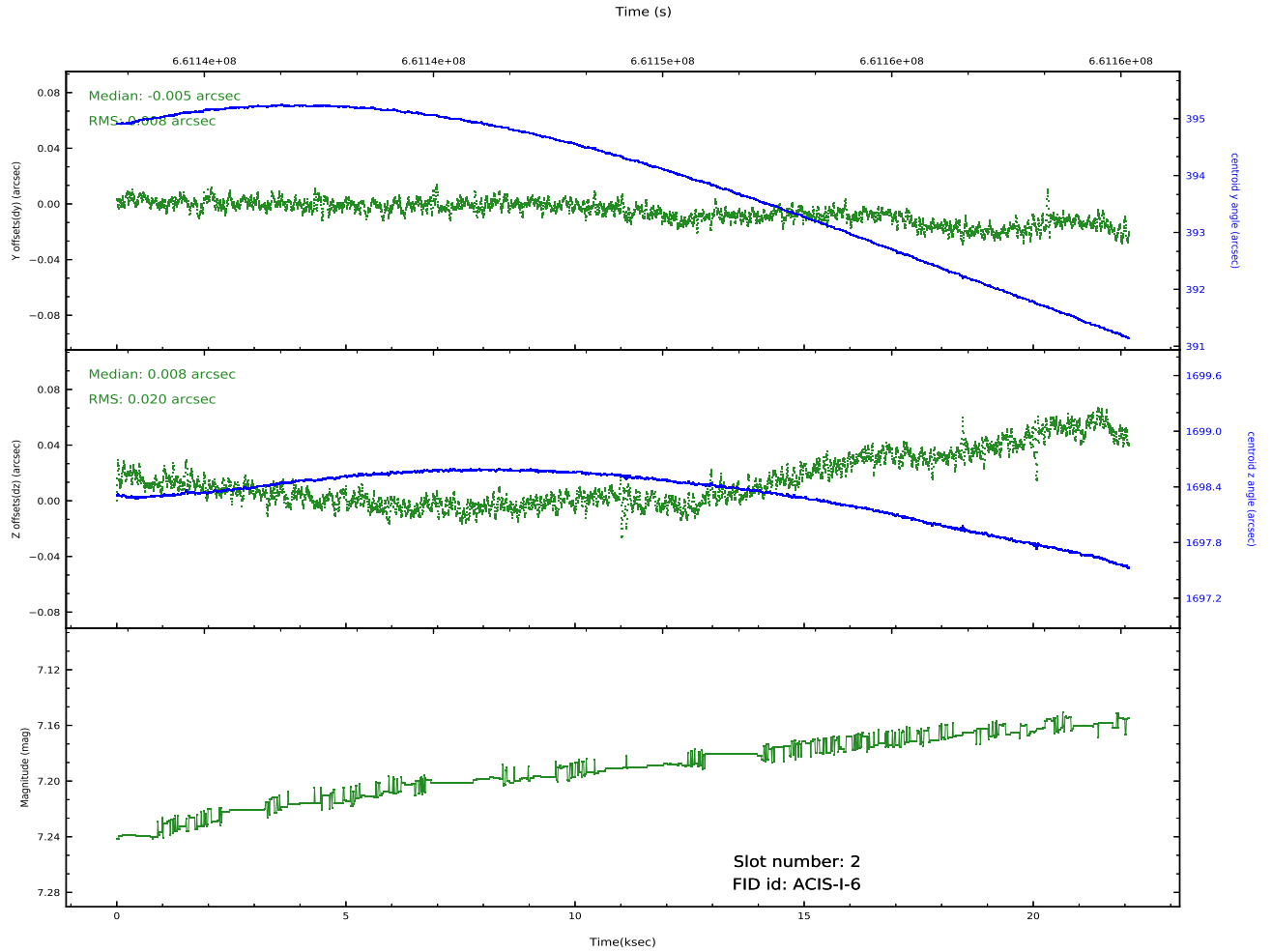
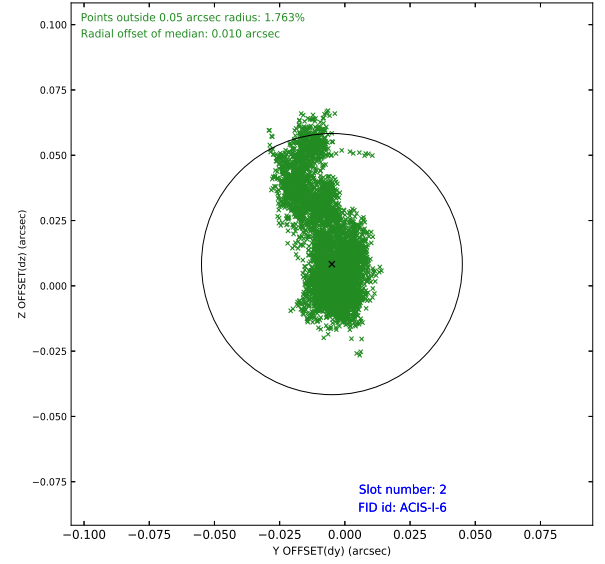
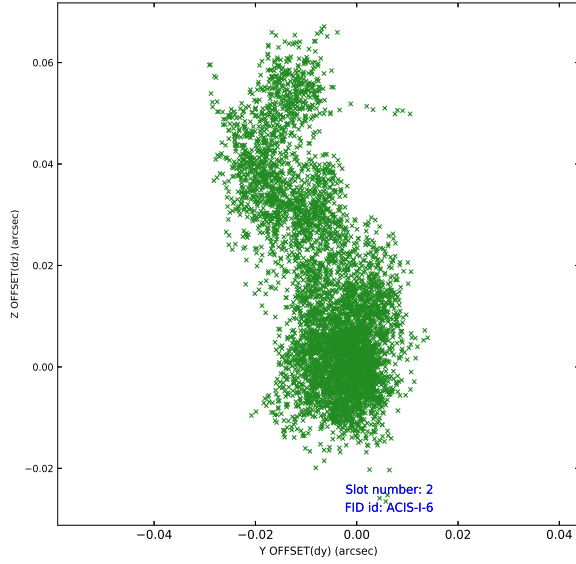
2.5.1 Slot 0



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	21.95200032711

A.2 Comments