

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19646 - L2 Version 2
Chandra X-Ray Center

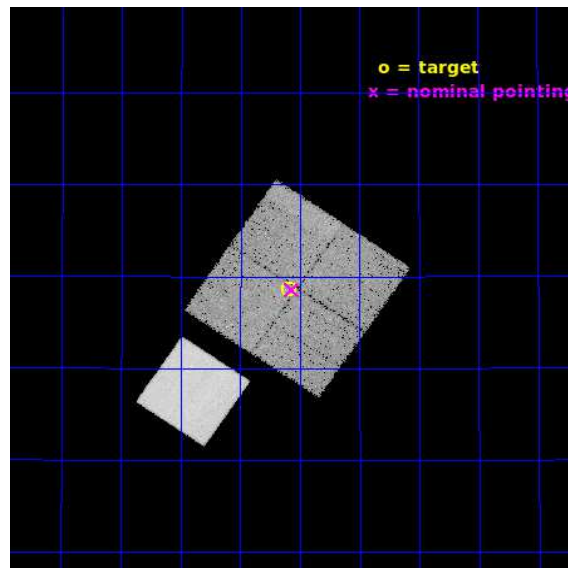
L2 Processing Date : Oct 26 2020

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1 Front

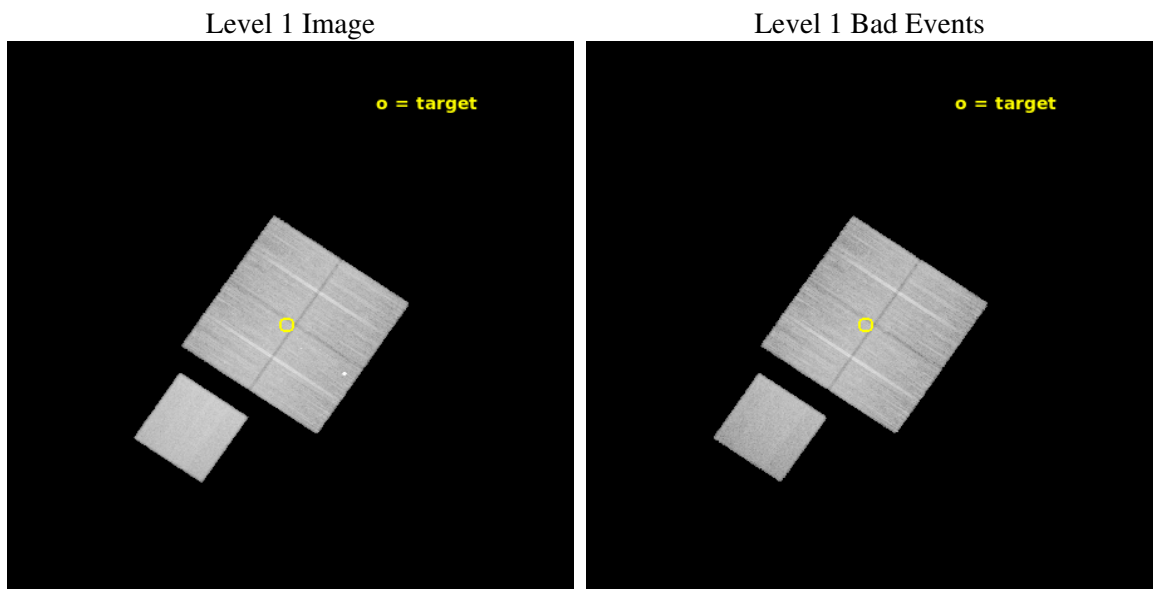
seq_num	901353	Sequence number
obs_id	19646	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	Xbootes (CDWFS)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.52213	Observer's specified target RA [deg]
dec_targ	33.977461	Observer's specified target Dec [deg]
ra_nom	218.51693647197	Nominal RA [deg]
dec_nom	33.976155189495	Nominal Dec [deg]
roll_nom	214.20064231061	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25053.339352369	Sum of GTIs [s]
livetime	24725.99902973	Livetime [s]
ontime0	25056.357212543	Sum of GTIs [s]
ontime1	25056.398252606	Sum of GTIs [s]
ontime2	25056.43929255	Sum of GTIs [s]
ontime3	25053.339352369	Sum of GTIs [s]
ontime7	25056.521372557	Sum of GTIs [s]
l2events	169973	Number of level 2 events



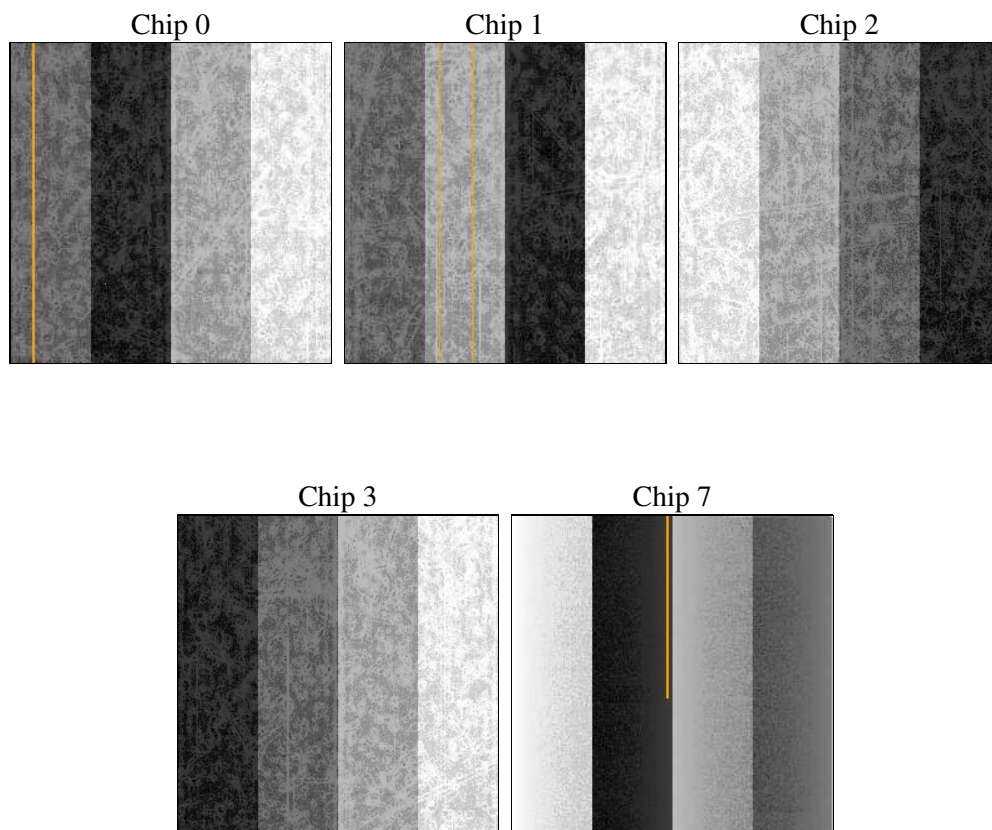
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	25053.339352369	Sum of GTIs [s]
caldsver	4.9.3	 	ontime0	25056.357212543	Sum of GTIs [s]
date	2020-10-26T09:31:20	Date and time of file creation	ontime1	25056.398252606	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	25056.43929255	Sum of GTIs [s]
			ontime3	25053.339352369	Sum of GTIs [s]
			ontime7	25056.521372557	Sum of GTIs [s]
			l1events	940973	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	166263	168674	186311	180450	239275
rejected events	145672	145712	162530	161133	135332
rejected %	87%	86%	87%	89%	56%

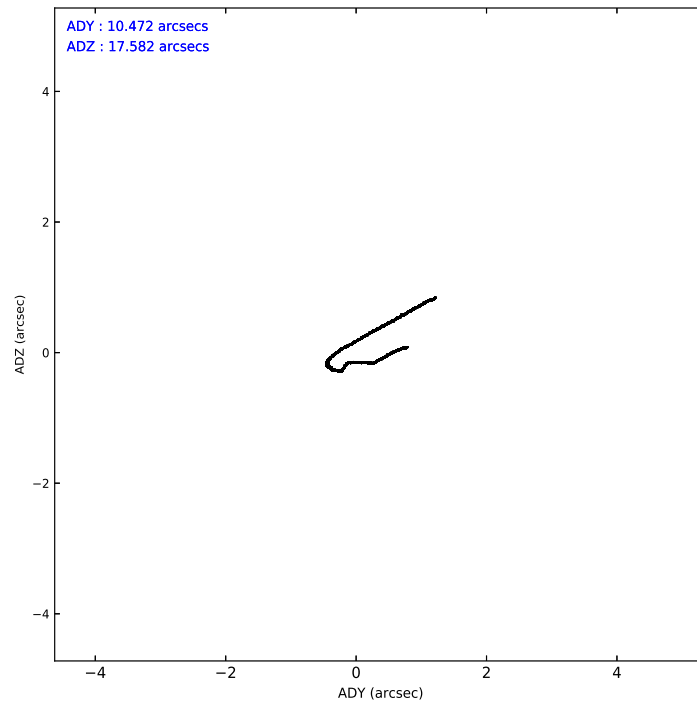
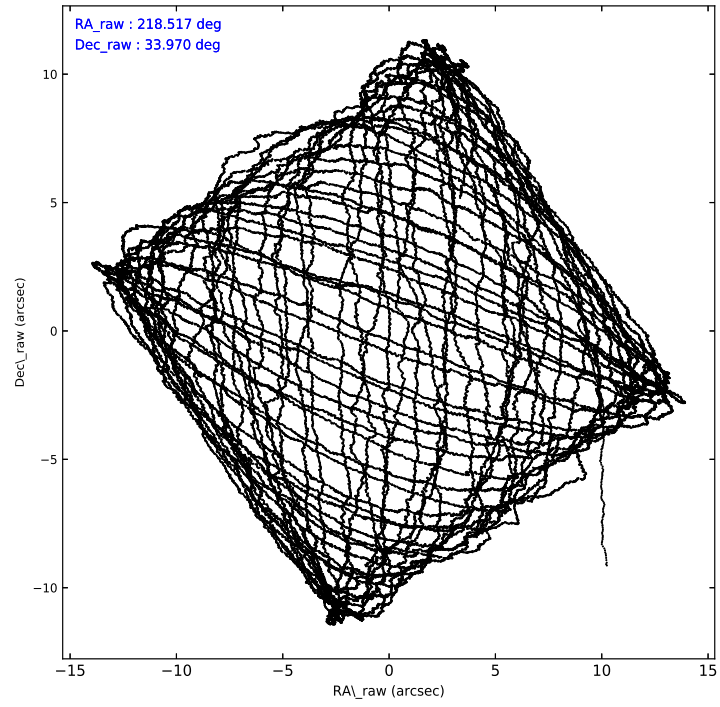
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	7099	7835	10351	6671	8998
	4%	4%	5%	3%	3%
grade 1 events	92	85	149	97	365
	0%	0%	0%	0%	0%
grade 2 events	5243	5734	5308	4480	22426
	3%	3%	2%	2%	9%
grade 3 events	2123	2261	2025	2033	8128
	1%	1%	1%	1%	3%
grade 4 events	1948	2192	2060	1999	8162
	1%	1%	1%	1%	3%
grade 5 events	8141	8345	7703	8807	23588
	4%	4%	4%	4%	9%
grade 6 events	4185	4946	4040	4137	56258
	2%	2%	2%	2%	23%
grade 7 events	137432	137276	154675	152226	111350
	82%	81%	83%	84%	46%

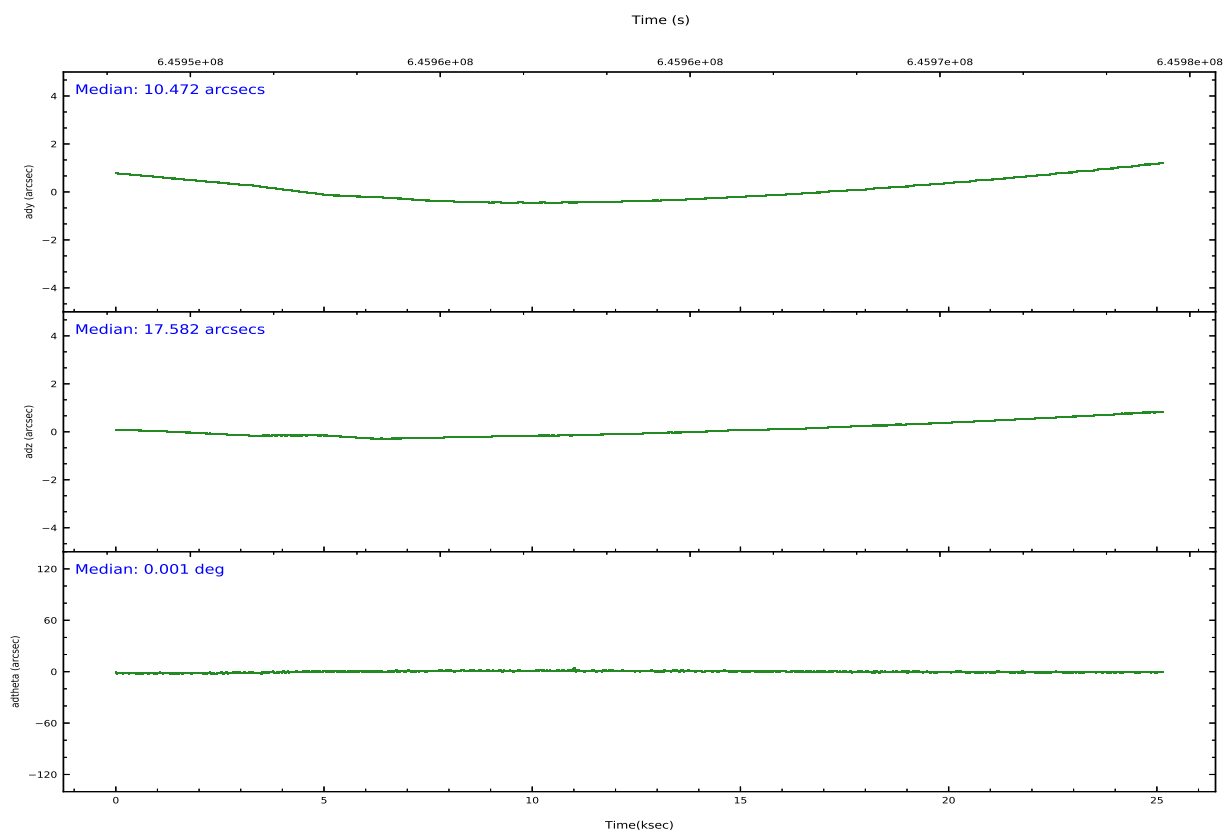
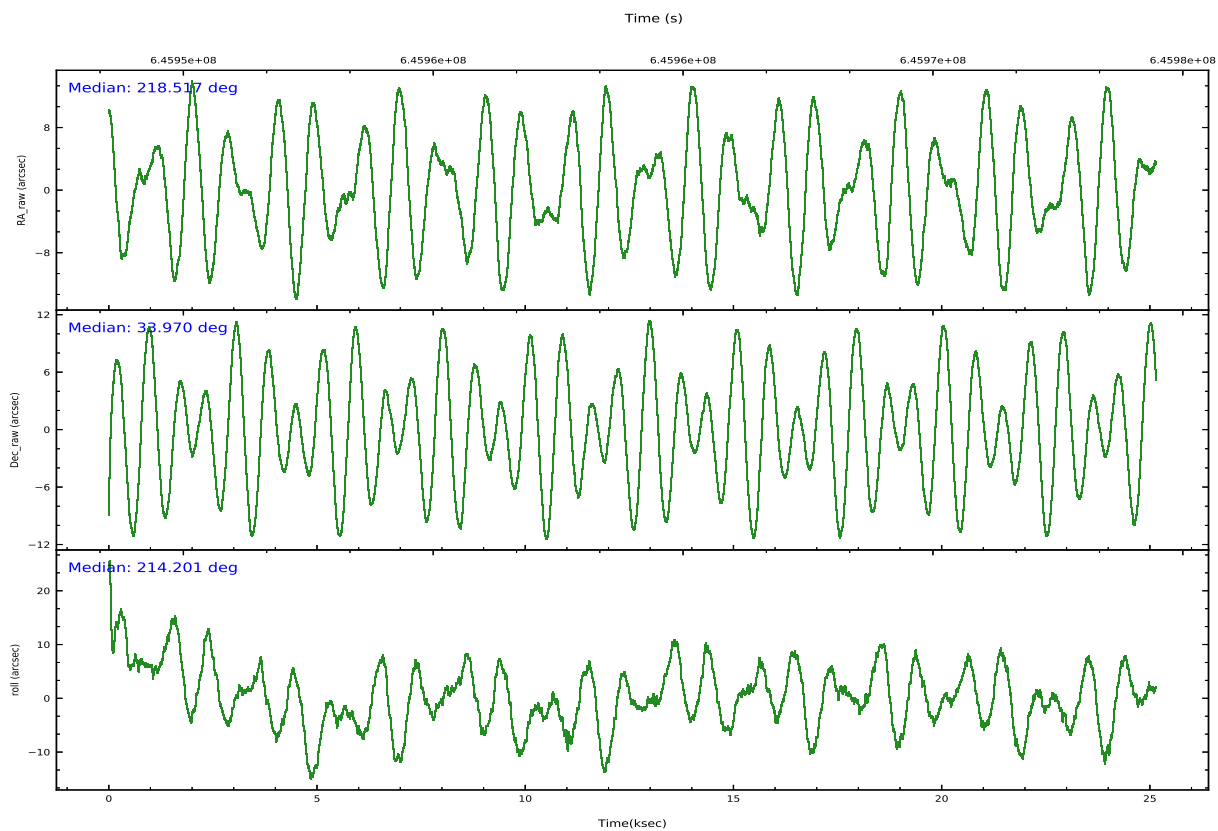
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01237	ACIS-01237
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	218.531723	218.51693647197
[deg] Pointing Dec	33.995039	33.976155189495
[deg] Pointing Roll	213.994643	214.20064231061
[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)	645950358.184000	645949301.4750201
Observation start date	2018-06-21T06:38:09	2018-06-21T06:21:41
[s] Observation end time (MET)	645975358.184000	645976067.3016
Observation end date	2018-06-21T13:34:49	2018-06-21T13:47:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	N	N
CCD S3 on	O1	Y
CCD S4 on	N	N
CCD S5 on	N	N
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	3.1

2.3 Aspect



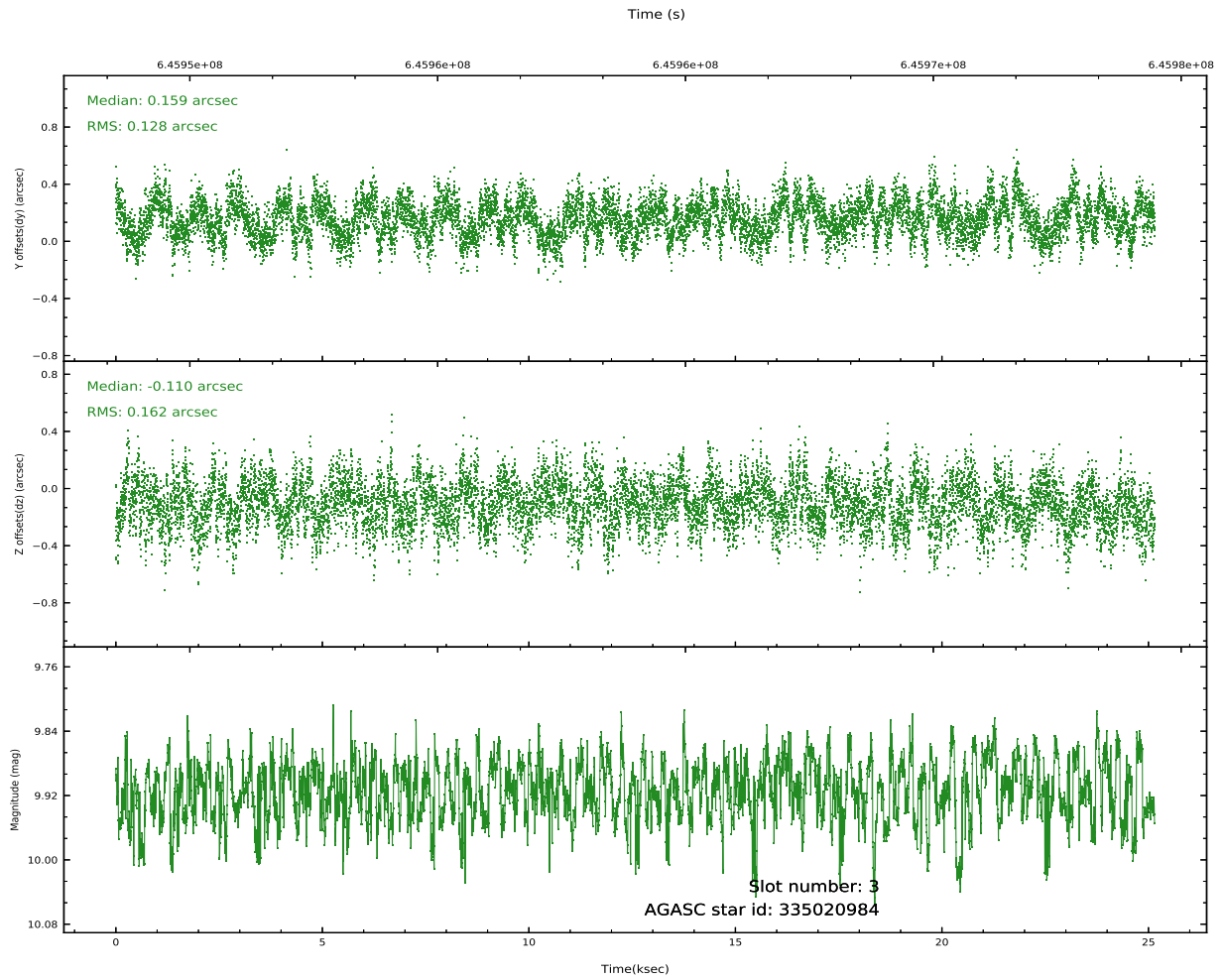
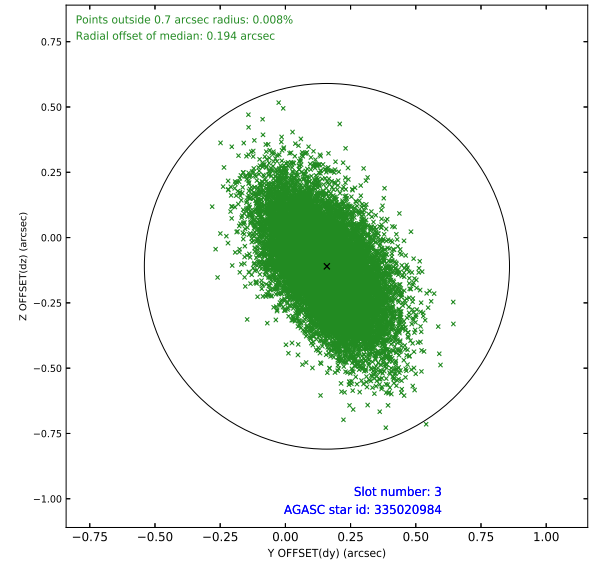
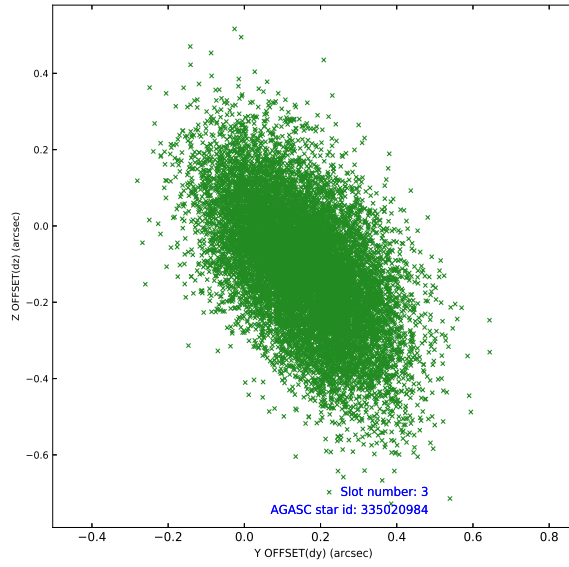


Slot Statistics

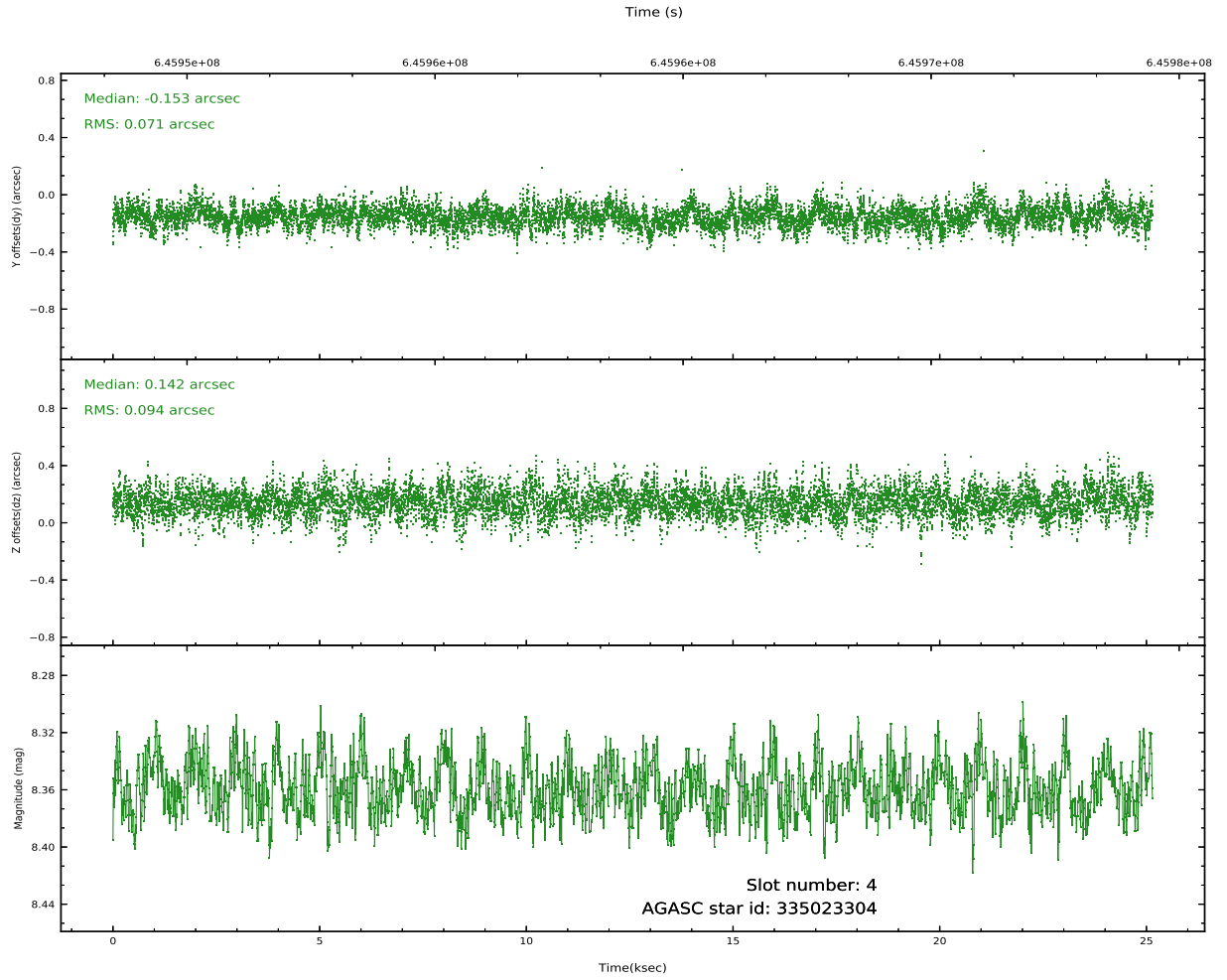
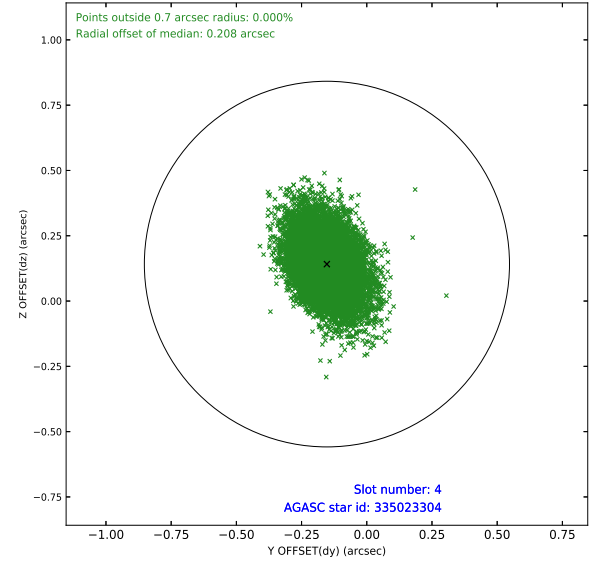
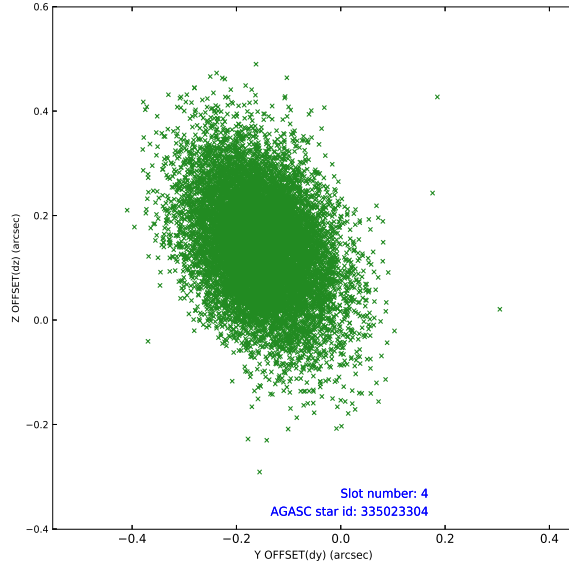
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.08	6134	1.000	0.162	-0.102	0.017	0.042	0.000000	0.000000	929.11	-841
1	FID		ACIS-I-5	7.07	6135	1.000	-0.274	0.144	0.008	0.021	0.000000	0.000000	-1819.26	1056
2	FID		ACIS-I-6	7.07	6135	1.000	0.021	0.027	0.017	0.033	0.000000	0.000000	394.53	1700
3	GUIDE	used	335020984	9.91	12240	1.000	0.159	-0.110	0.216	0.368	218.841668	33.815112	-406.82	1051
4	GUIDE	used	335023304	8.36	12260	1.000	-0.153	0.142	0.120	0.212	218.883608	34.686545	-2256.27	-1482
5	GUIDE	used	335025040	9.87	12251	1.000	0.198	0.064	0.201	0.315	218.601670	34.305240	-796.24	-809
6	GUIDE	used	335152784	7.21	12269	1.000	-0.194	-0.125	0.116	0.215	219.280617	33.678221	-1227.35	2193
7	GUIDE	used	335157088	9.06	12254	1.000	-0.007	0.029	0.147	0.258	219.274029	33.726909	-1307.69	2037

2.4 Star Slots

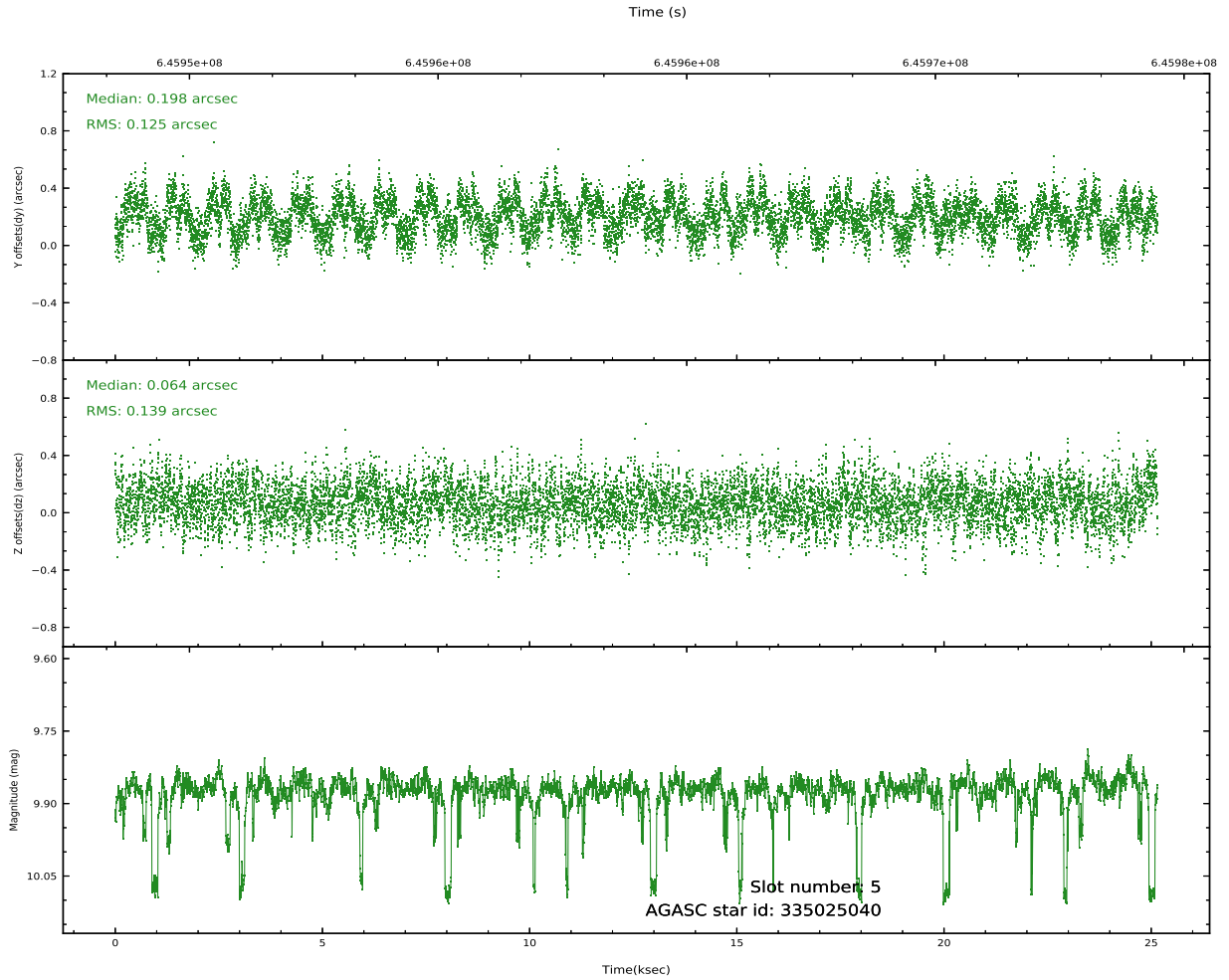
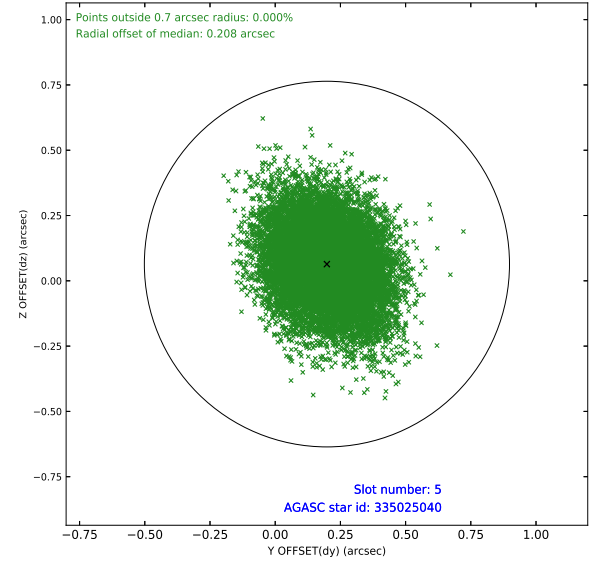
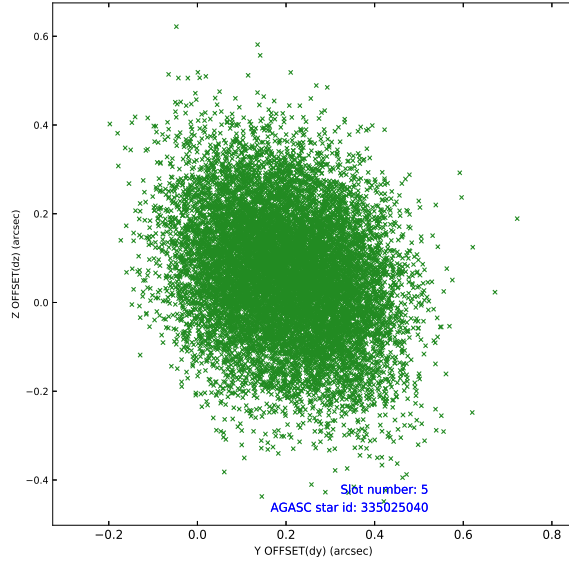
2.4.1 Slot 3



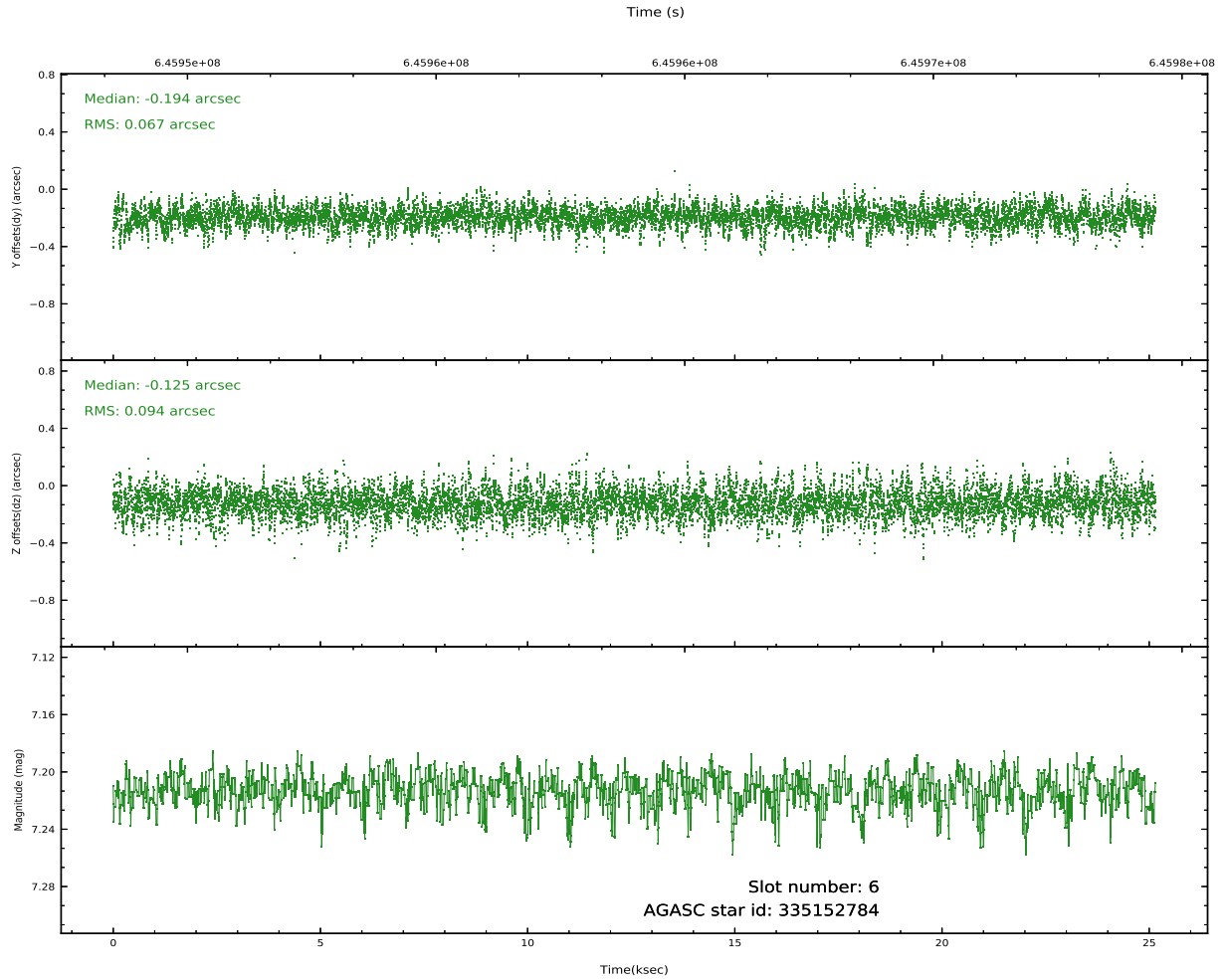
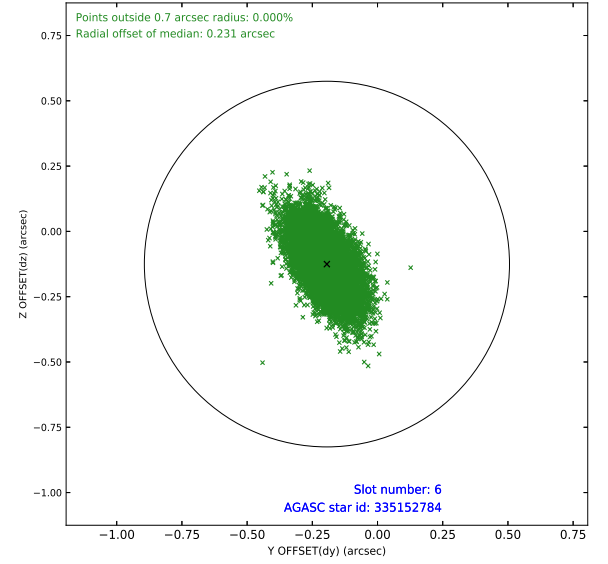
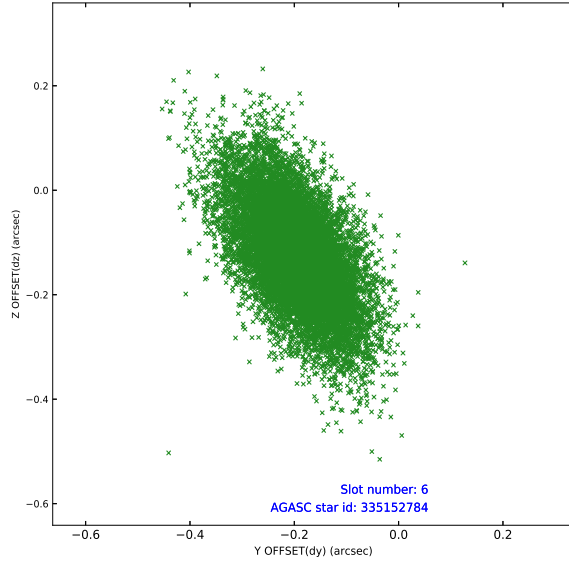
2.4.2 Slot 4



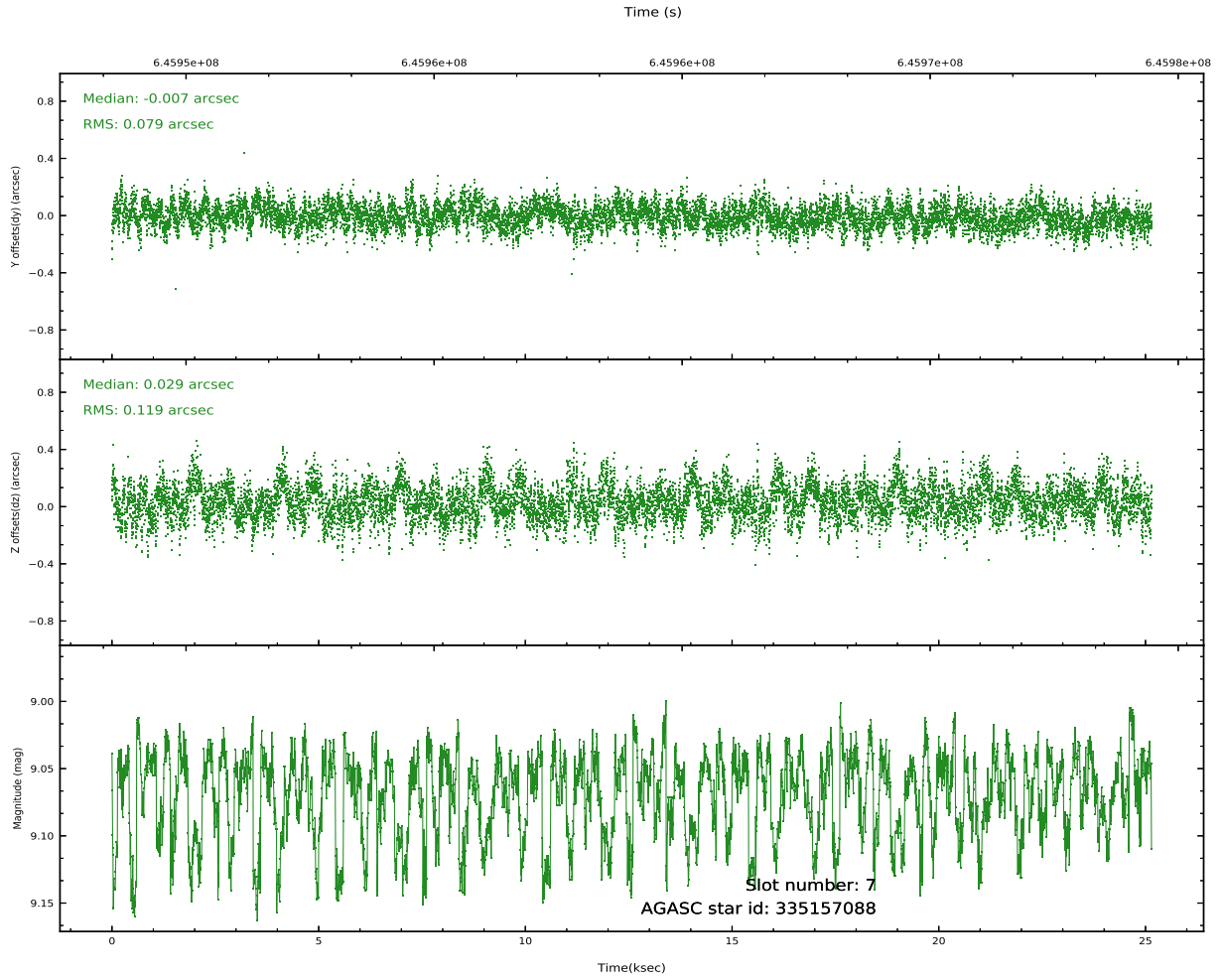
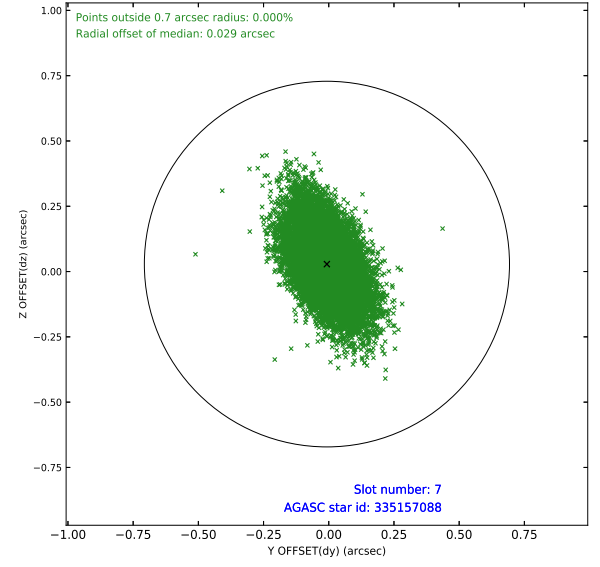
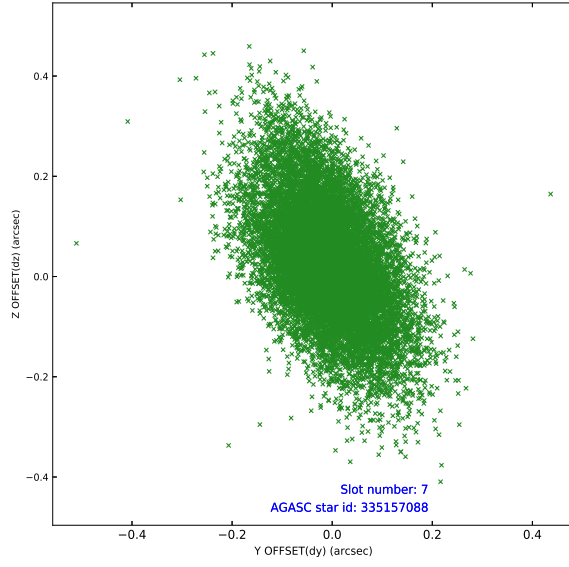
2.4.3 Slot 5



2.4.4 Slot 6

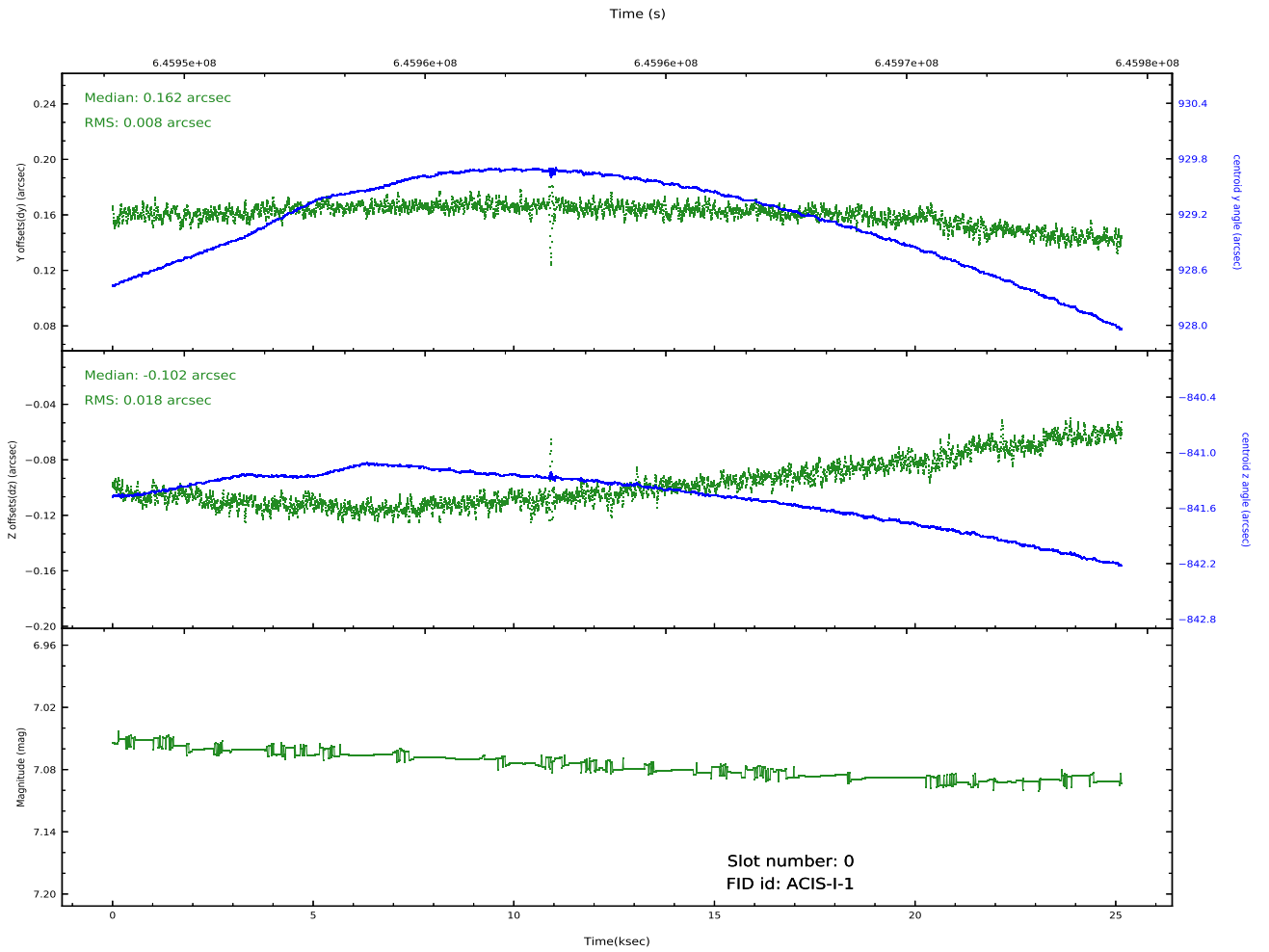
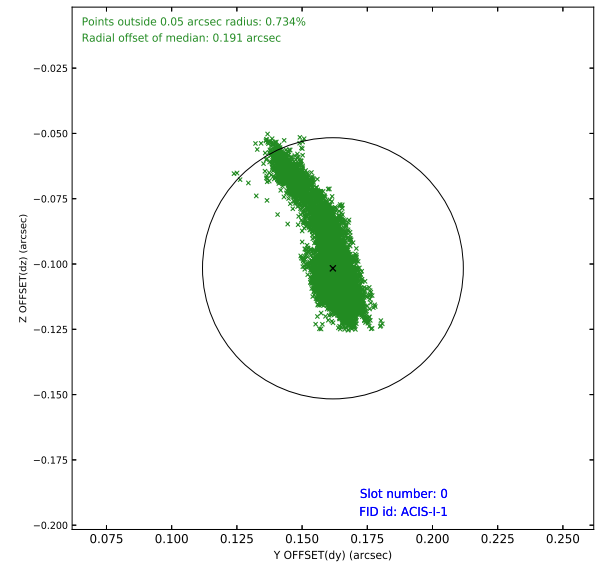
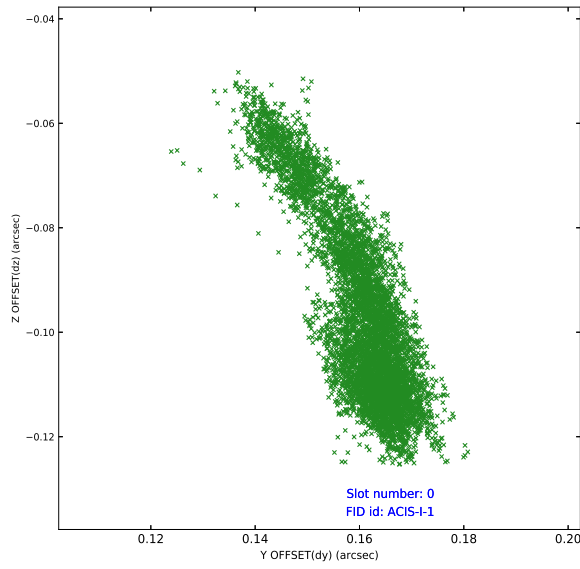


2.4.5 Slot 7

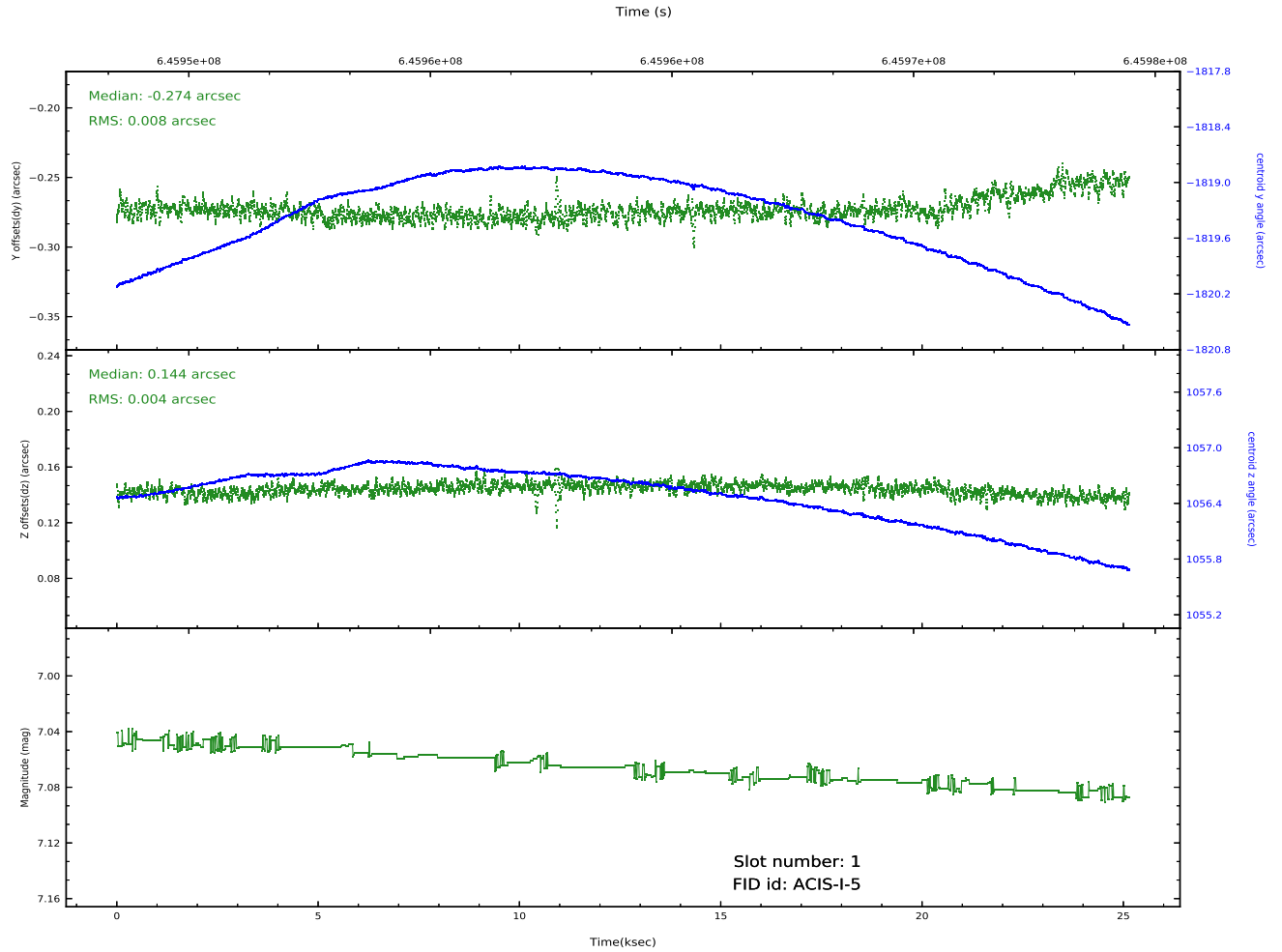
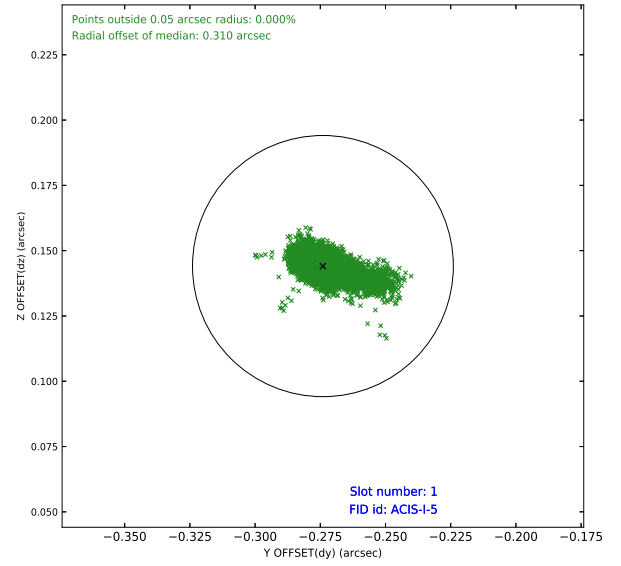
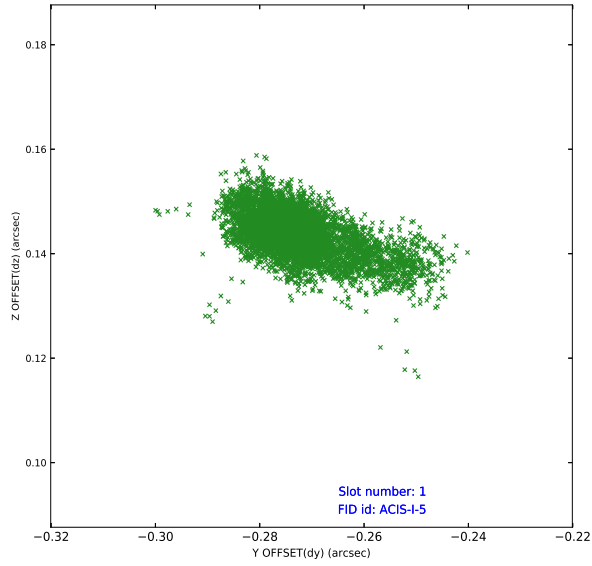


2.5 FID Slots

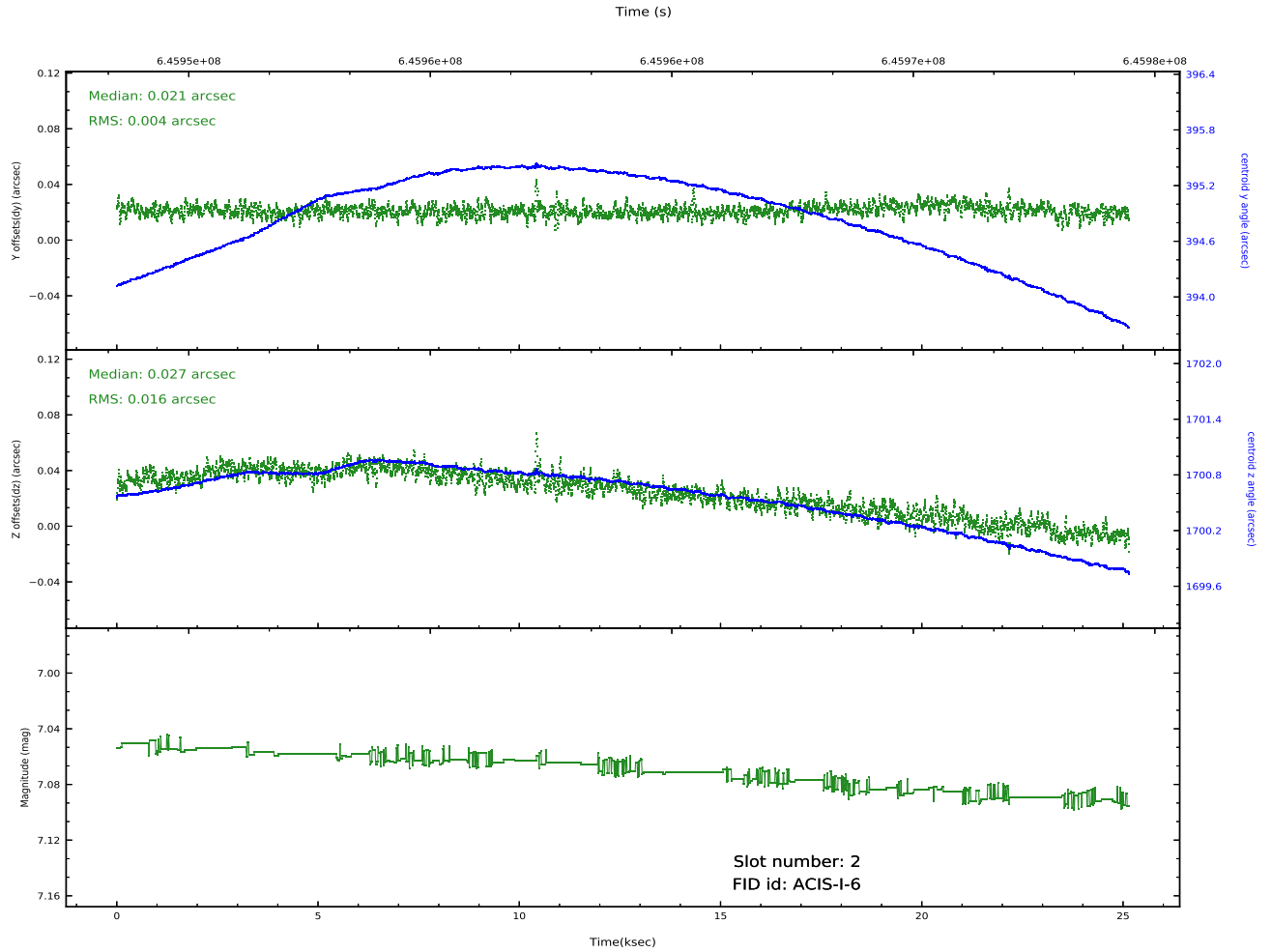
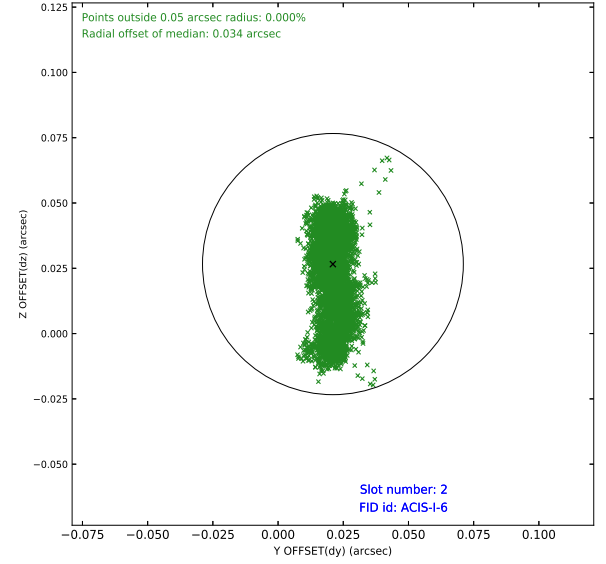
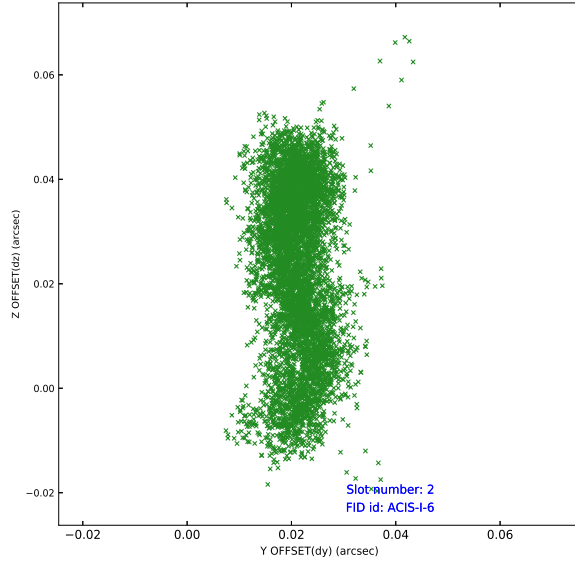
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.053339352489

A.2 Comments