

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20363 - L2 Version 2
Chandra X-Ray Center

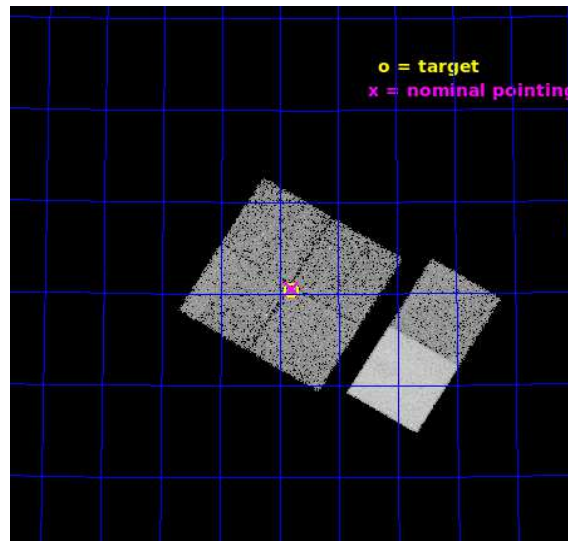
L2 Processing Date : Oct 25 2020

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1 Front

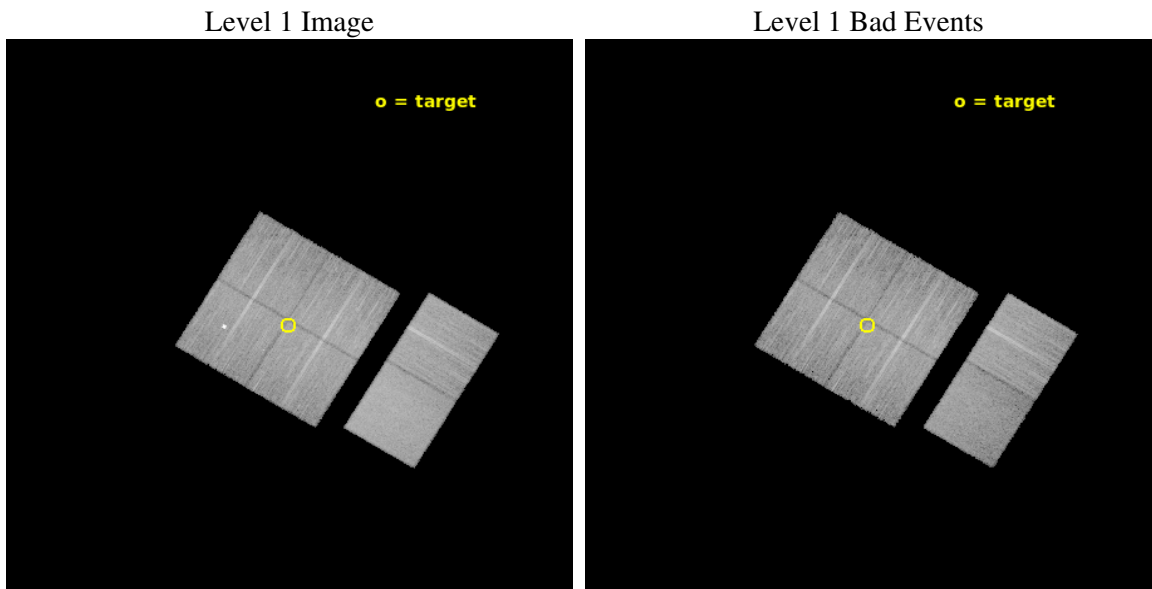
seq_num	901406	Sequence number
obs_id	20363	Observation id
title	Deep Pilot X-ray Observations of the JWST-NEP Time Domain Field	Pr
observer	Walter Maksym	Principal investigator
object	JWST-DTDF-6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.699525	Observer's specified target RA [deg]
dec_targ	65.839328	Observer's specified target Dec [deg]
ra_nom	260.69786210385	Nominal RA [deg]
dec_nom	65.843135101513	Nominal Dec [deg]
roll_nom	121.21938033982	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14953.500744581	Sum of GTIs [s]
livetime	14764.150514236	Livetime [s]
ontime0	14953.377624631	Sum of GTIs [s]
ontime1	14953.418664575	Sum of GTIs [s]
ontime2	14953.459704638	Sum of GTIs [s]
ontime3	14953.500744581	Sum of GTIs [s]
ontime6	14943.859692454	Sum of GTIs [s]
ontime7	14953.541784644	Sum of GTIs [s]
l2events	110911	Number of level 2 events



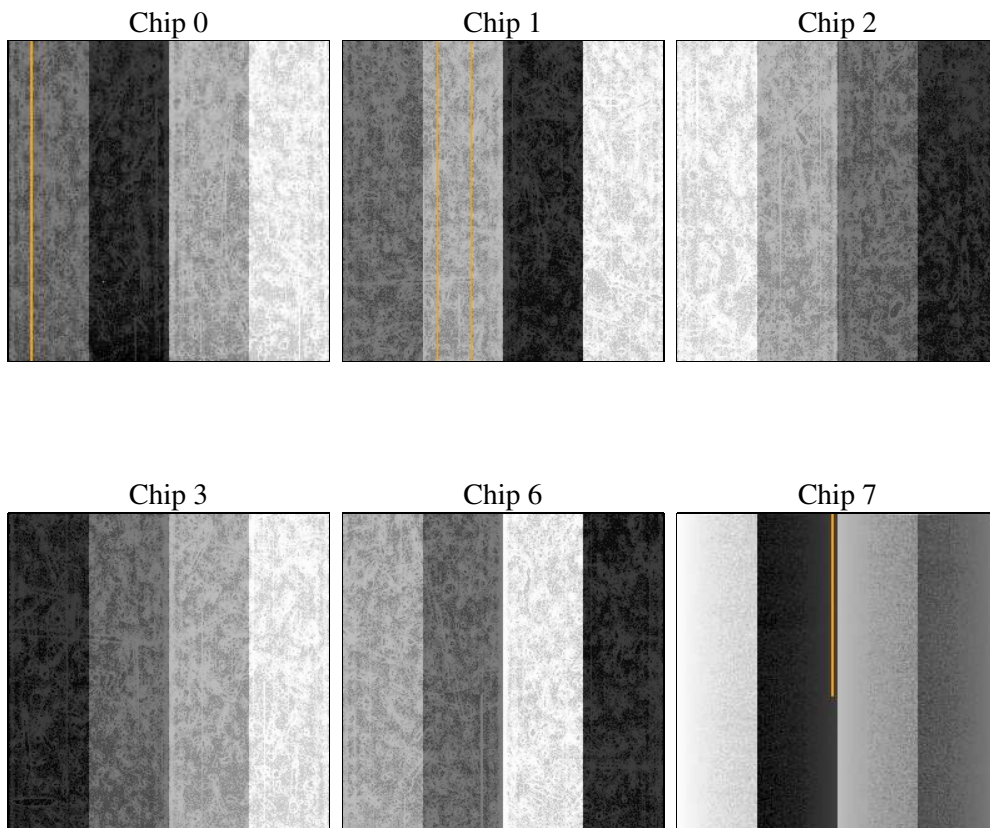
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	14953.500744581	Sum of GTIs [s]
caldsver	4.9.3	 	ontime0	14953.377624631	Sum of GTIs [s]
date	2020-10-25T12:25:16	Date and time of file creation	ontime1	14953.418664575	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	14953.459704638	Sum of GTIs [s]
			ontime3	14953.500744581	Sum of GTIs [s]
			ontime6	14943.859692454	Sum of GTIs [s]
			ontime7	14953.541784644	Sum of GTIs [s]
			l1events	704298	Number of level 1 events

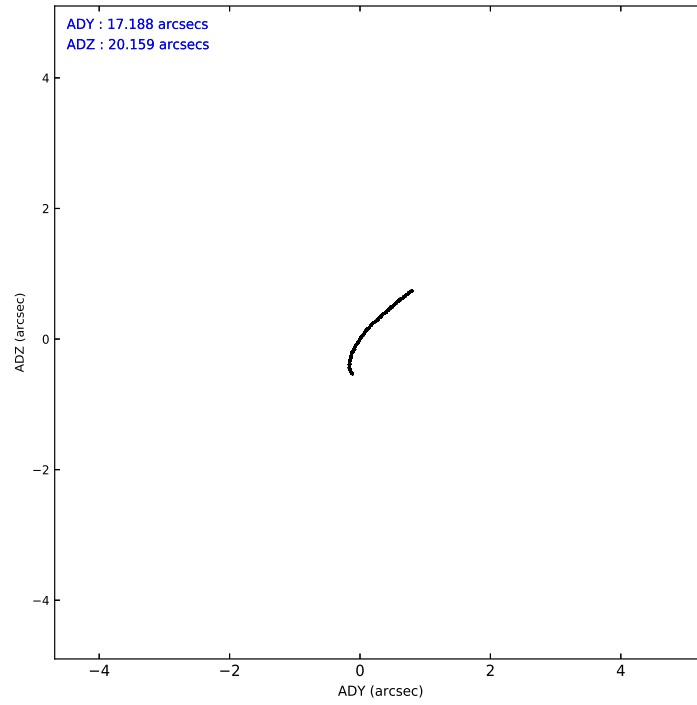
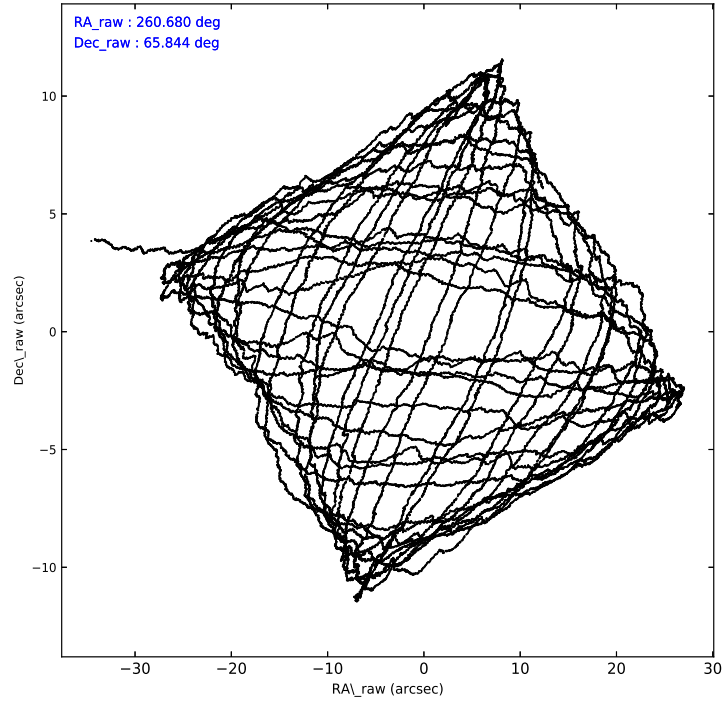
2.1.4 Events

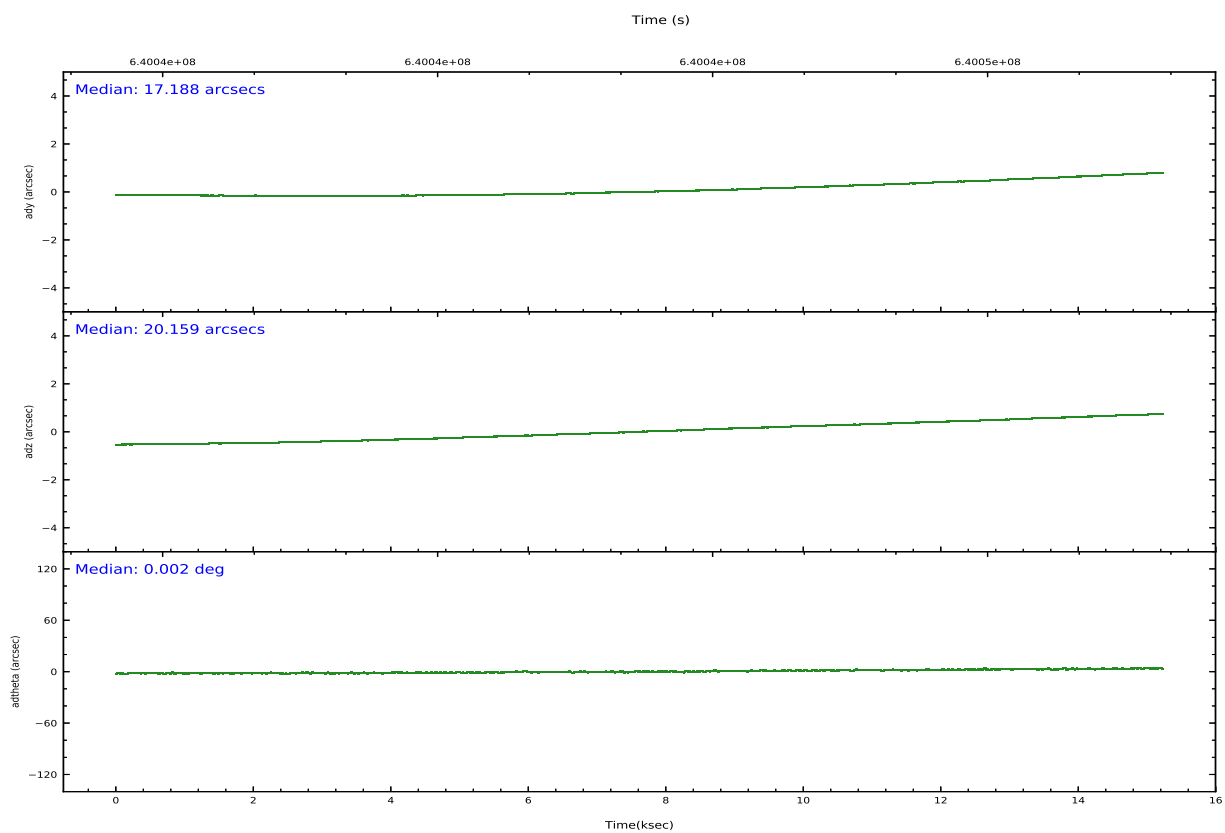
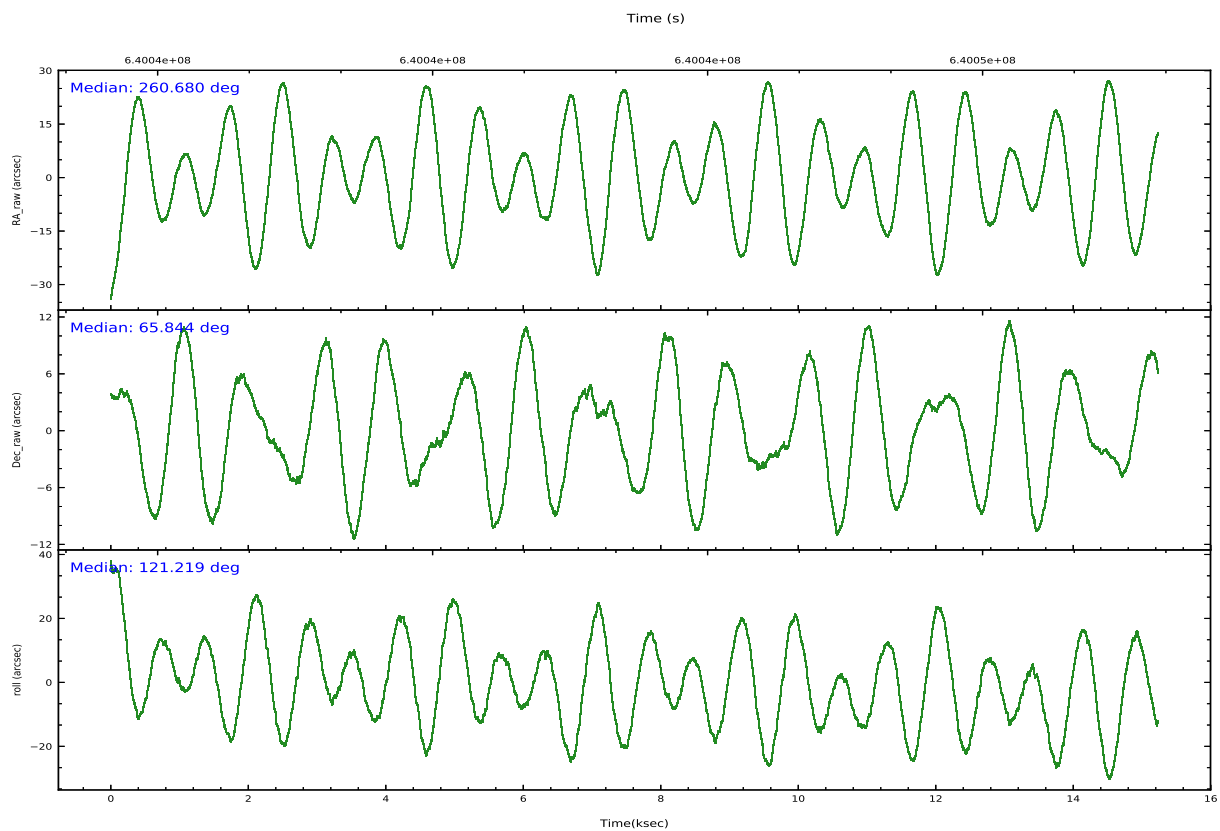
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	100790	110780	117216	111382	120893	143237	grade 0 events	4014	8619	4067	3872	3971	5063
rejected events	88841	92974	105681	100082	108175	81526		3%	7%	3%	3%	3%	3%
rejected %	88%	83%	90%	89%	89%	56%	grade 1 events	49	93	74	59	64	223
								0%	0%	0%	0%	0%	0%
							grade 2 events	2966	3522	2831	2490	3153	12865
								2%	3%	2%	2%	2%	8%
							grade 3 events	1193	1285	1133	1207	1174	4825
								1%	1%	0%	1%	0%	3%
							grade 4 events	1237	1270	1139	1232	1189	4746
								1%	1%	0%	1%	0%	3%
							grade 5 events	4535	4622	4236	5169	5134	13846
								4%	4%	3%	4%	4%	9%
							grade 6 events	2539	3115	2365	2499	3234	34225
								2%	2%	2%	2%	2%	23%
							grade 7 events	84257	88254	101371	94854	102974	67444
								83%	79%	86%	85%	85%	47%

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	260.738674	260.69786210385	CCD I2 on	Y	Y
[deg] Pointing Dec	65.831200	65.843135101513	CCD I3 on	Y	Y
[deg] Pointing Roll	120.964284	121.21938033982	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)	640035555.184000	640034563.73792	CCD S5 on	N	N
Observation start date	2018-04-13T19:38:06	2018-04-13T19:22:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	640050555.184000	640051422.93892	On-chip summing requested	N	N
Observation end date	2018-04-13T23:48:06	2018-04-14T00:03:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



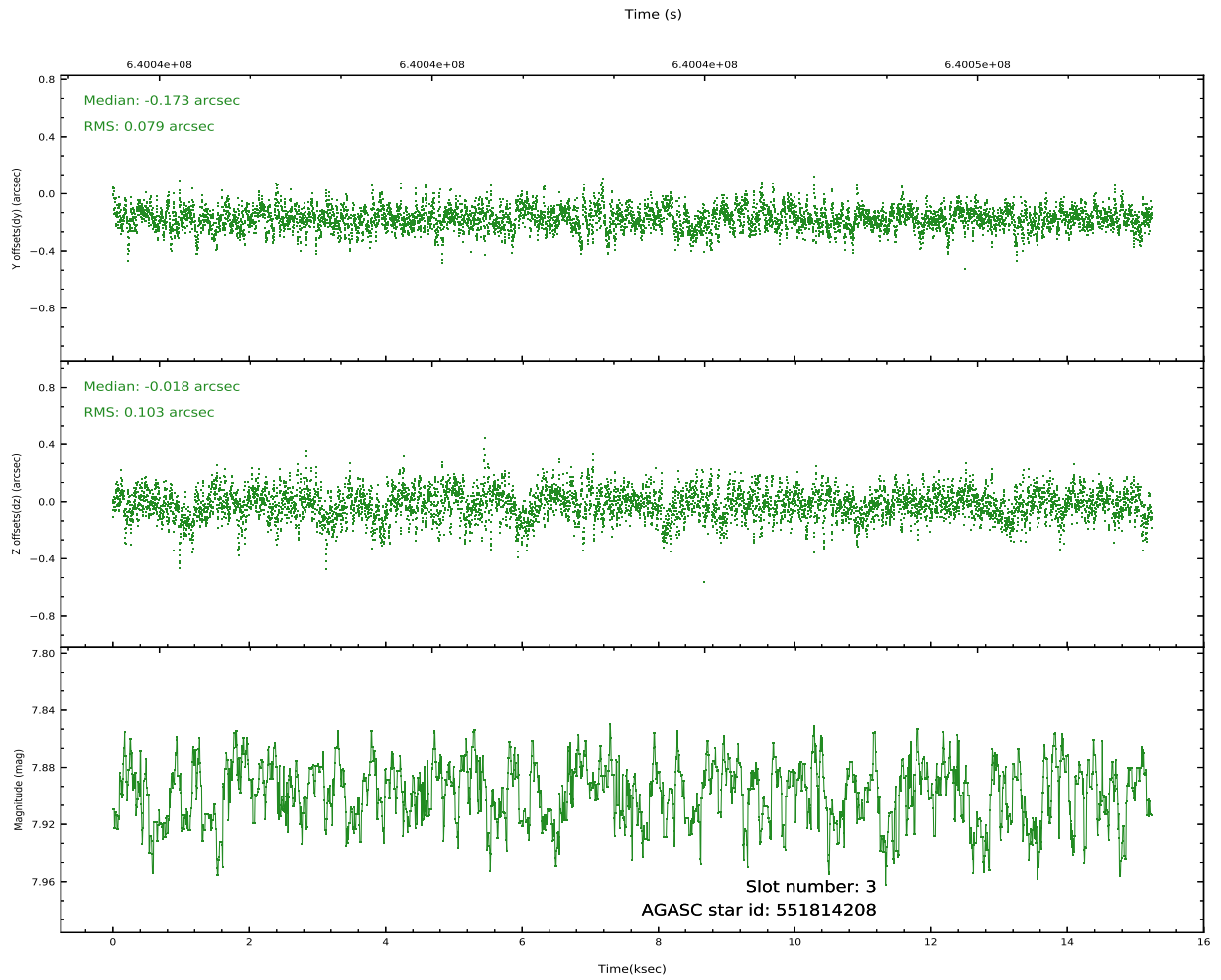
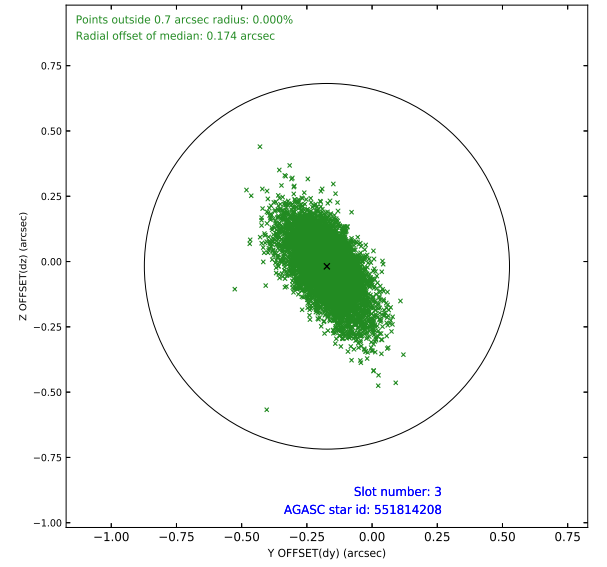
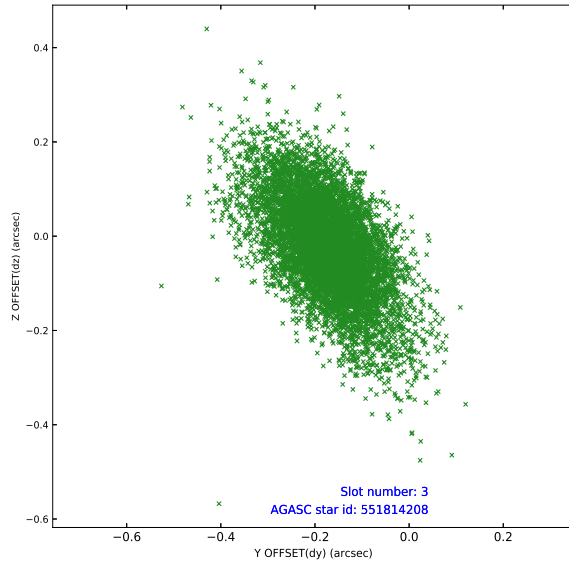


Slot Statistics

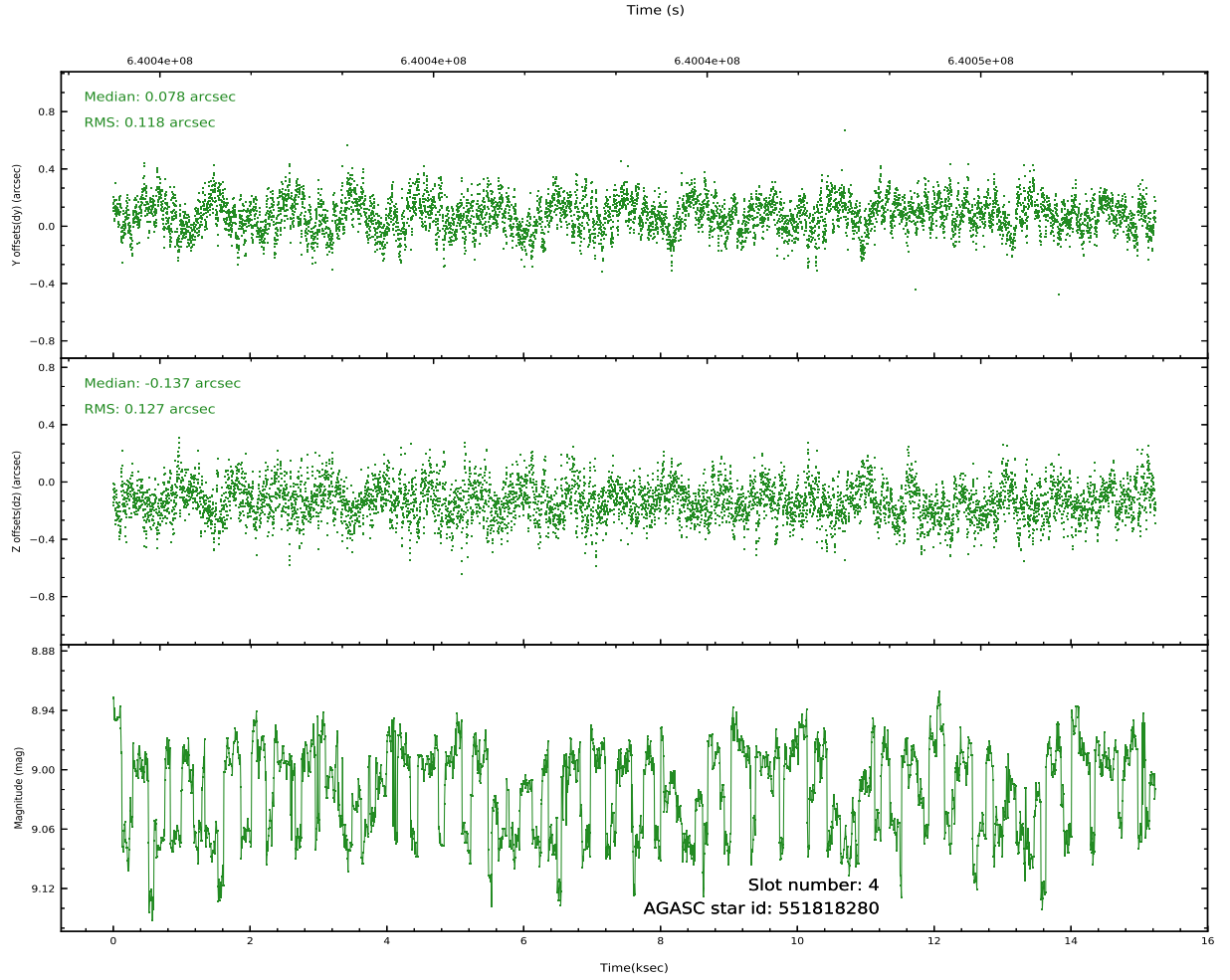
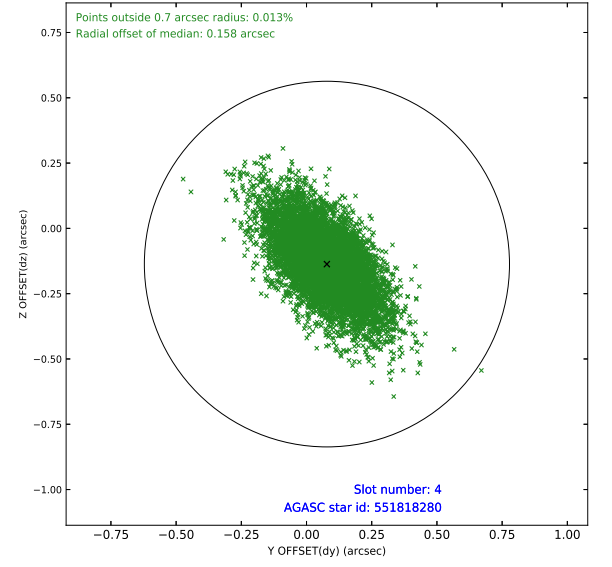
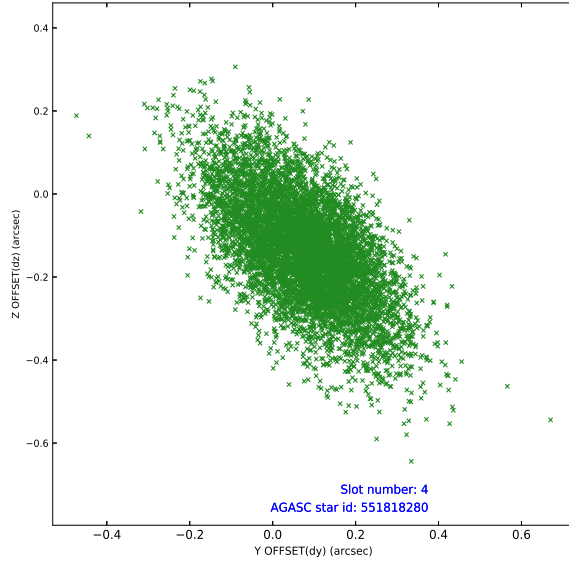
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.20	3716	1.000	0.179	-0.123	0.025	0.035	0.000000	0.000000	922.20	-844
1	FID		ACIS-I-5	7.19	3716	1.000	-0.296	0.152	0.011	0.018	0.000000	0.000000	-1826.09	1053
2	FID		ACIS-I-6	7.21	3716	1.000	0.029	0.040	0.018	0.028	0.000000	0.000000	387.45	1698
3	GUIDE	used	551814208	7.90	7432	1.000	-0.173	-0.018	0.130	0.244	260.175311	65.639944	-156.74	1069
4	GUIDE	used	551818280	9.01	7422	1.000	0.078	-0.137	0.176	0.316	261.229817	66.633852	2119.53	-2088
5	GUIDE	used	551819264	8.45	7430	1.000	-0.152	-0.187	0.127	0.230	258.796618	66.086633	2285.05	1934
6	GUIDE	used	551951232	7.91	7428	1.000	0.015	0.200	0.131	0.232	262.419848	65.894071	-1047.50	-2252
7	GUIDE	used	551952296	8.73	7425	1.000	0.232	0.146	0.132	0.229	261.999680	65.847021	-890.32	-1631

2.4 Star Slots

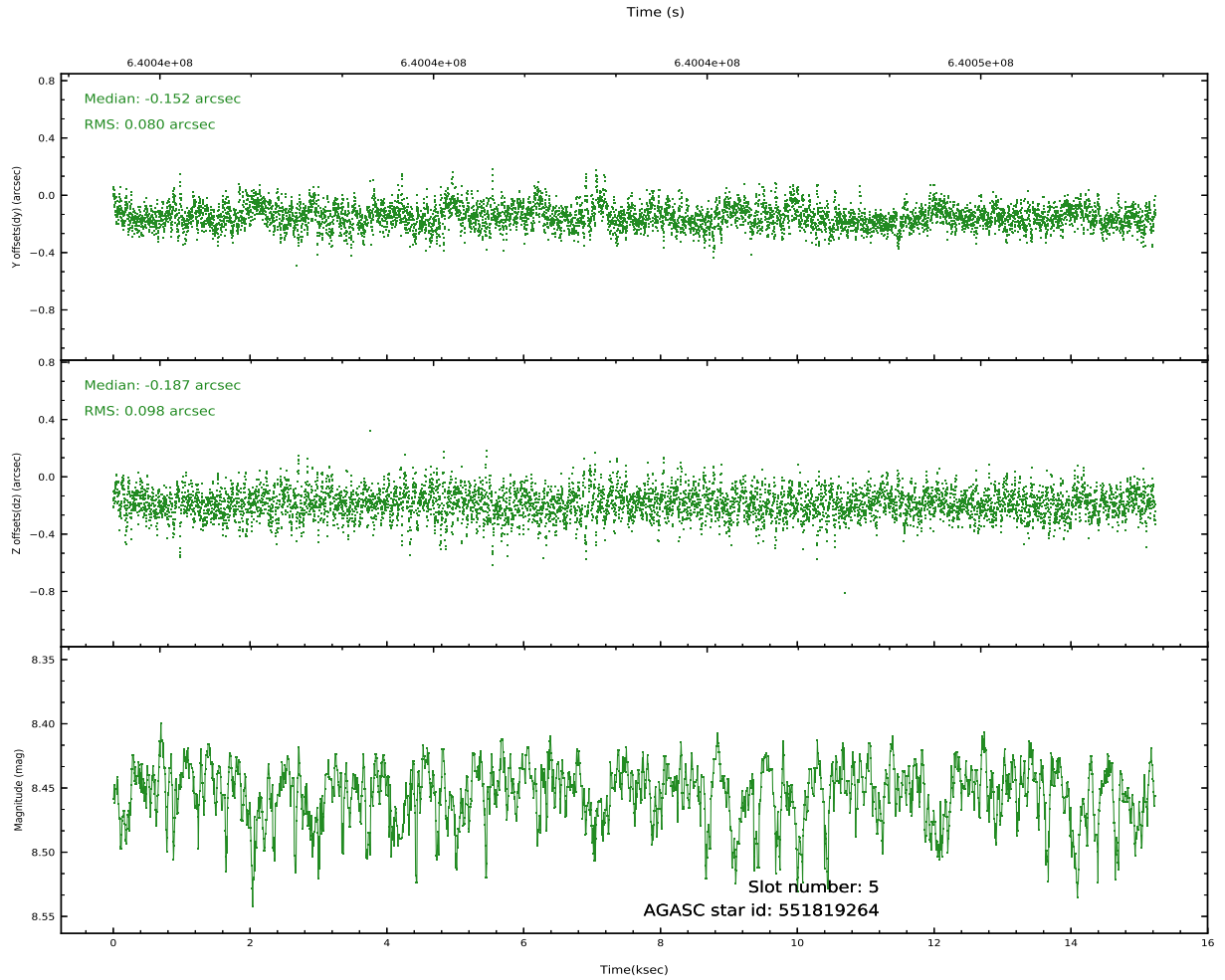
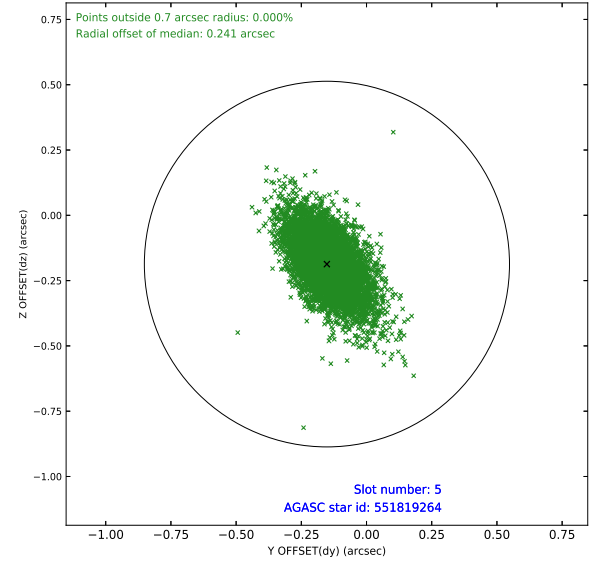
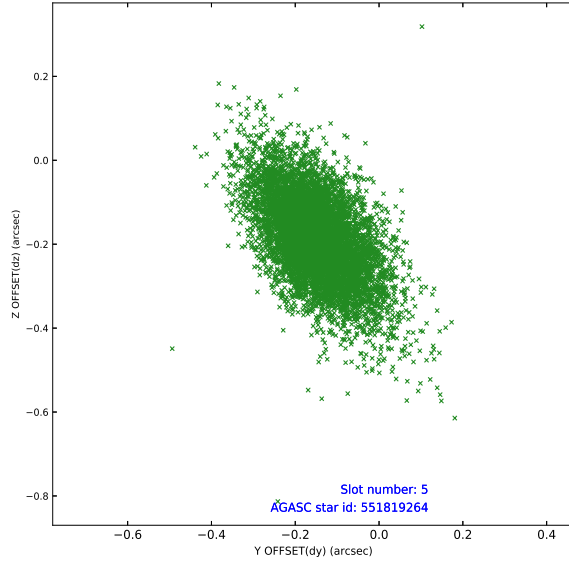
2.4.1 Slot 3



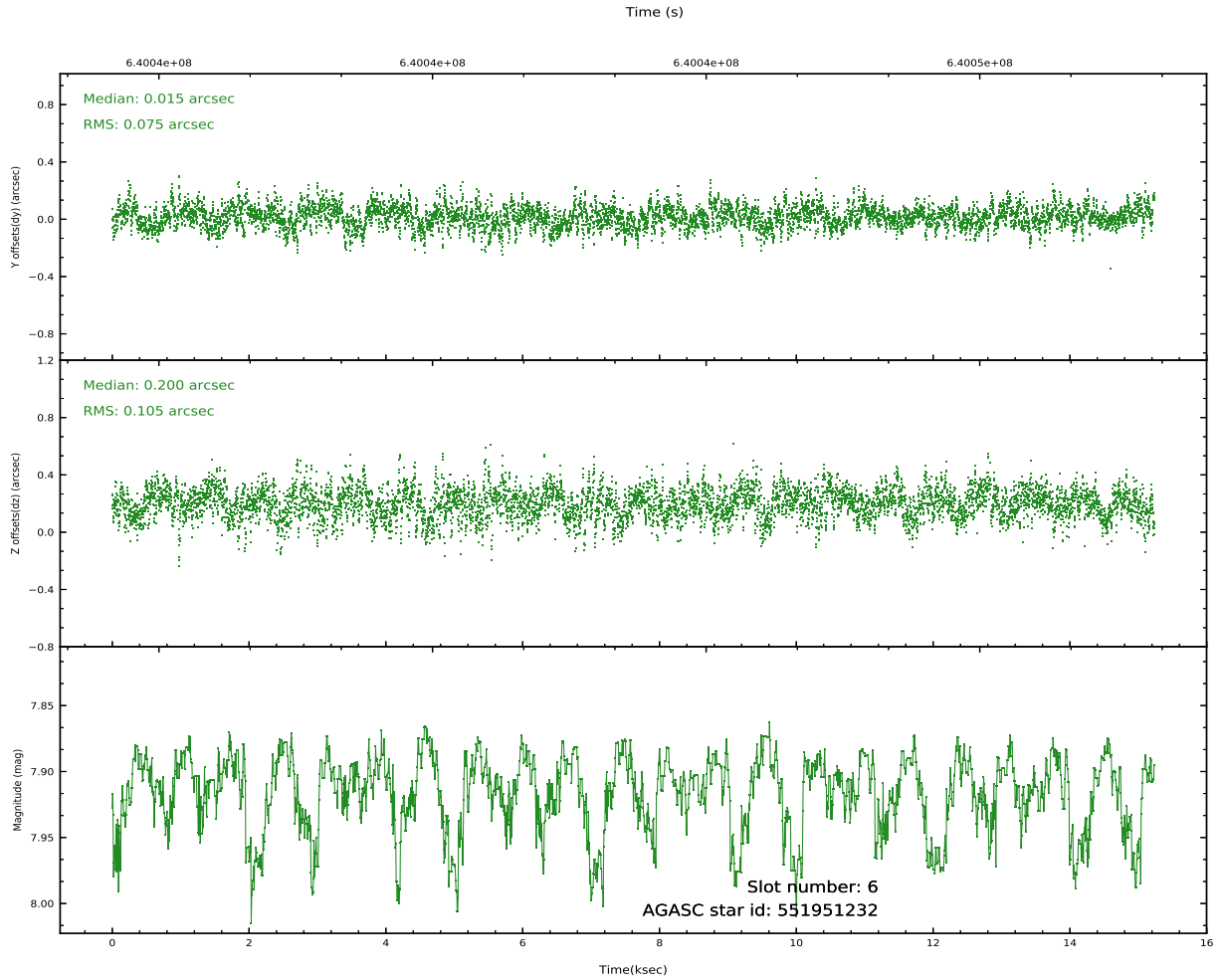
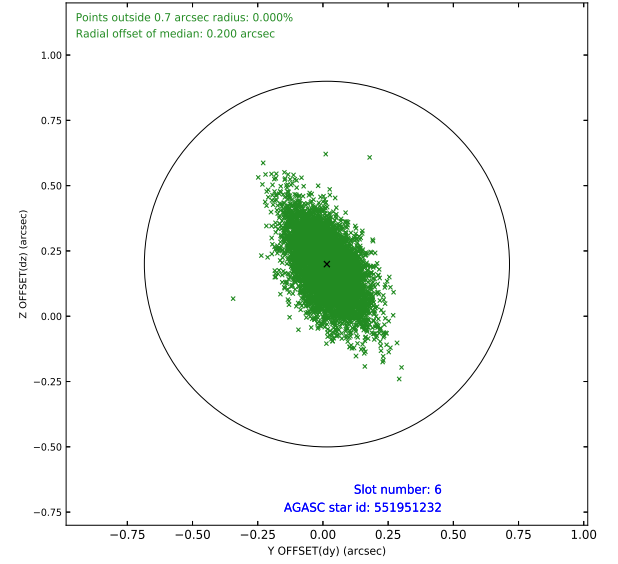
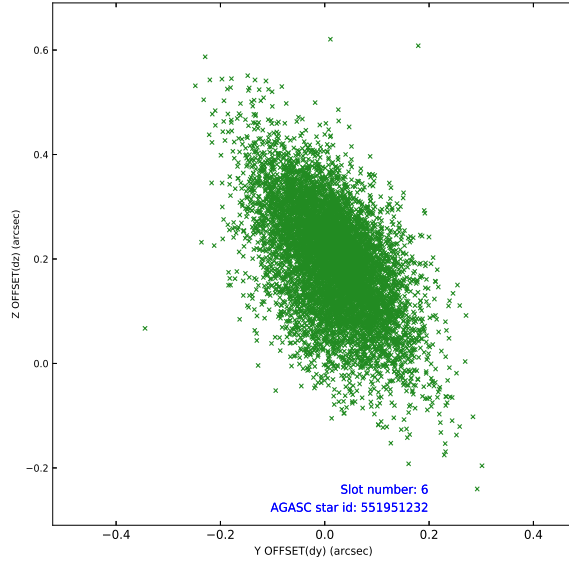
2.4.2 Slot 4



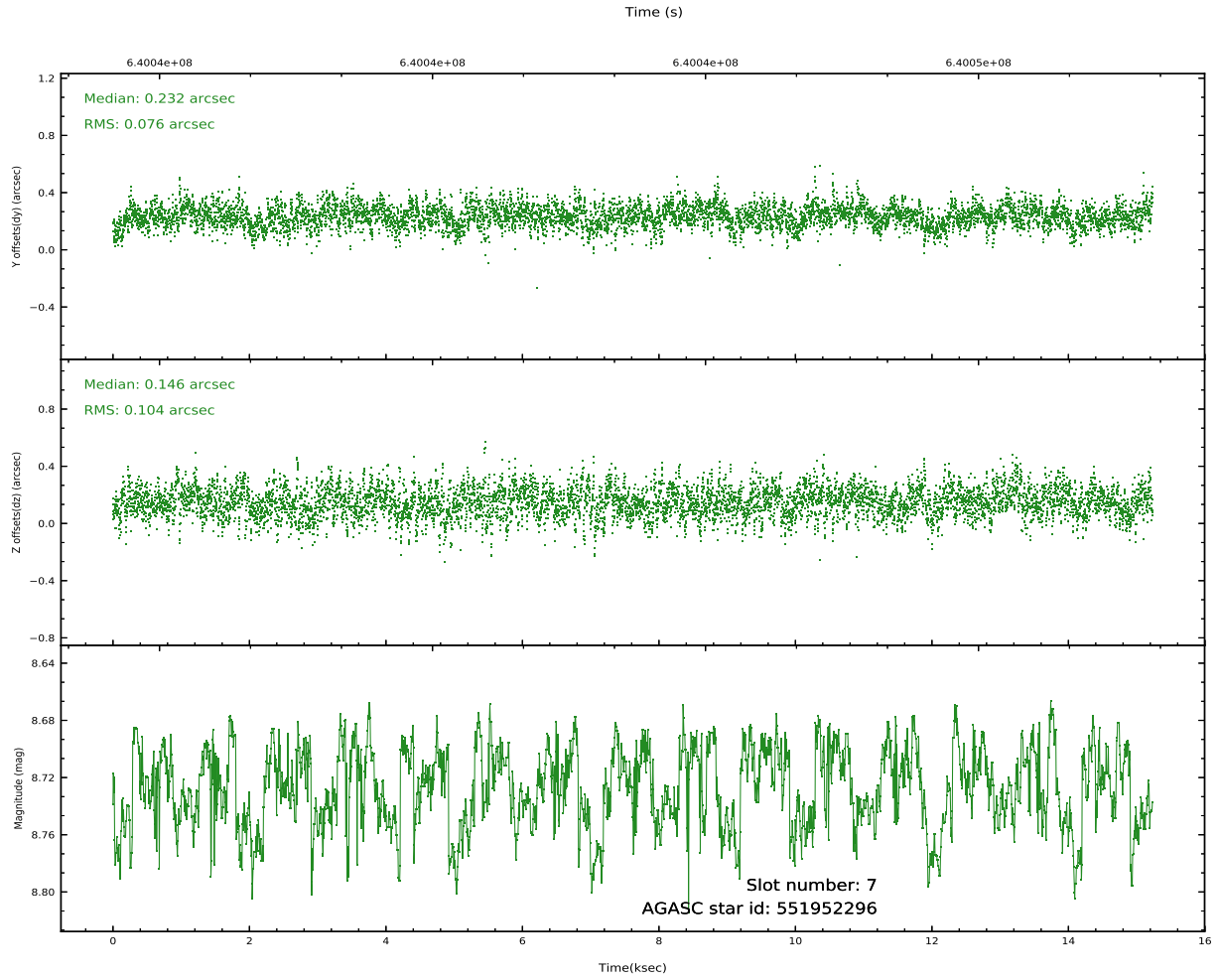
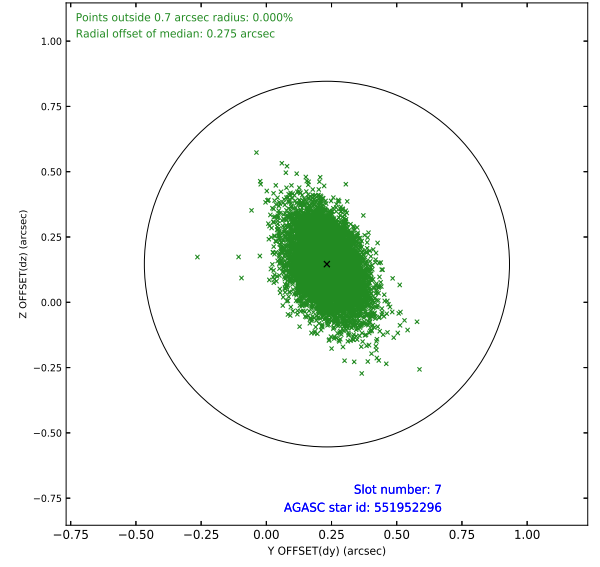
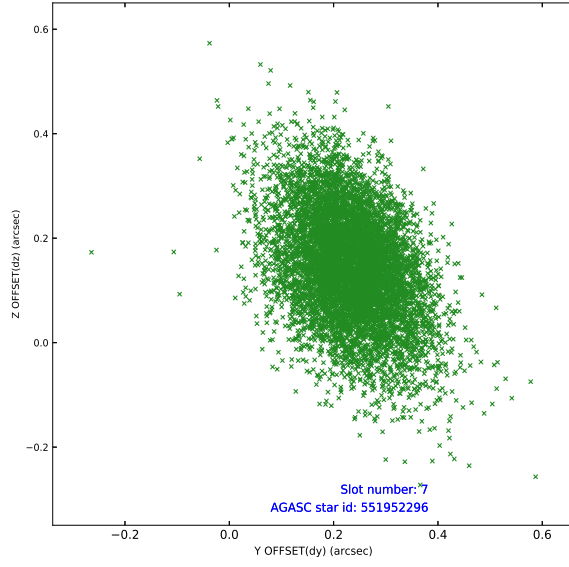
2.4.3 Slot 5



2.4.4 Slot 6

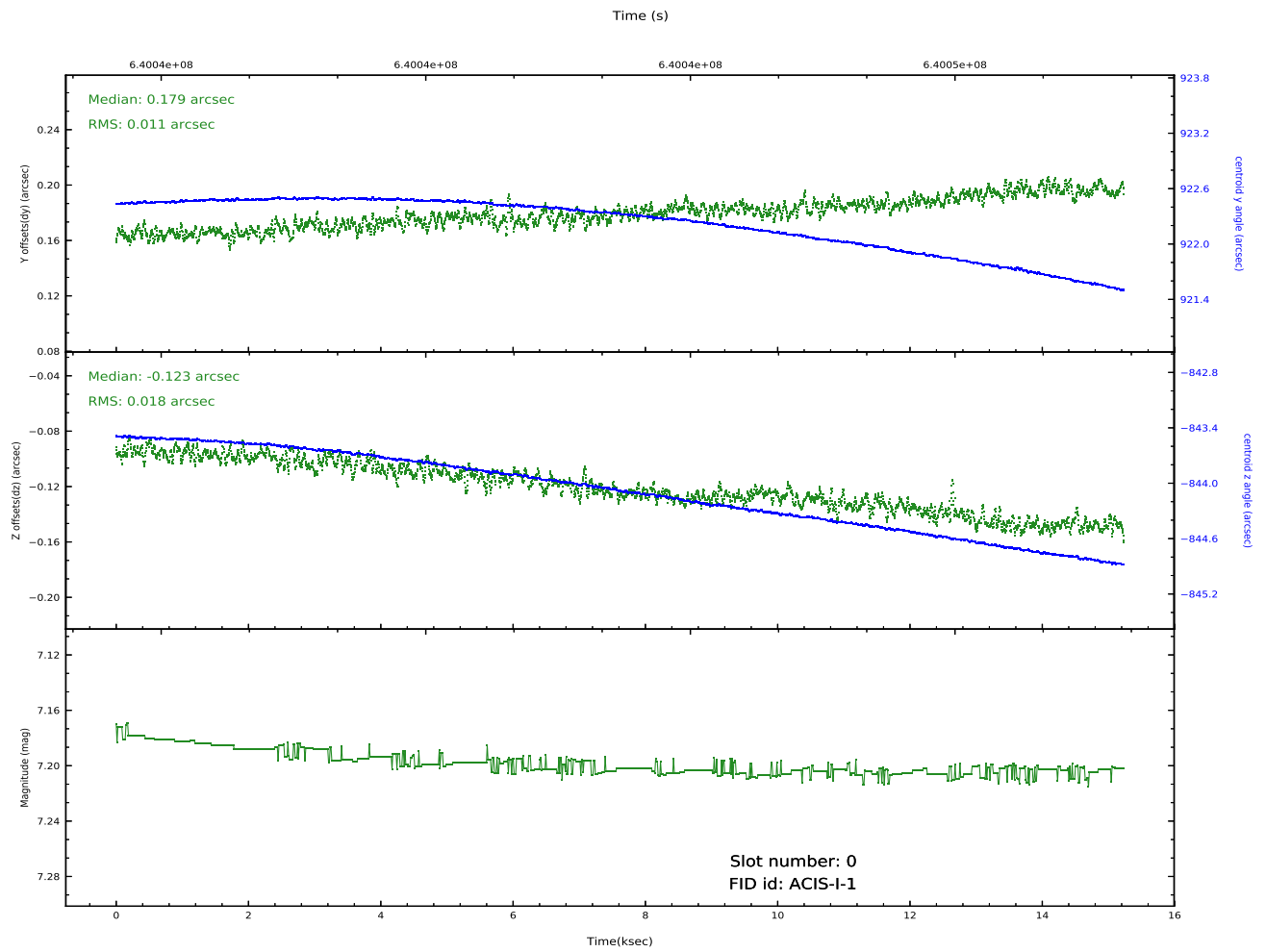
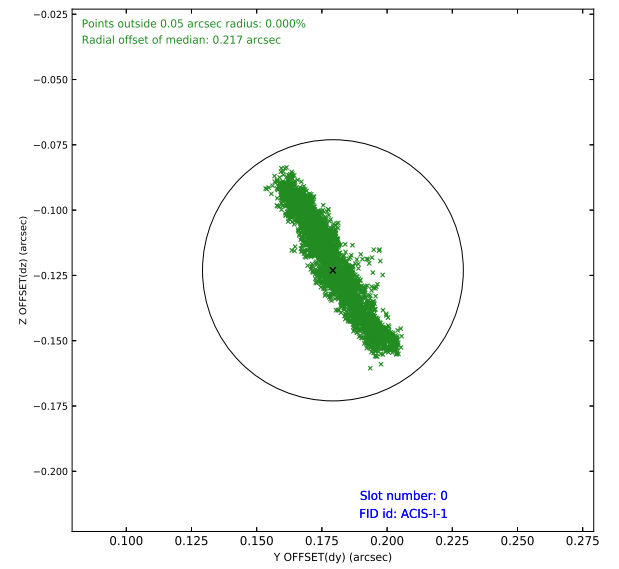
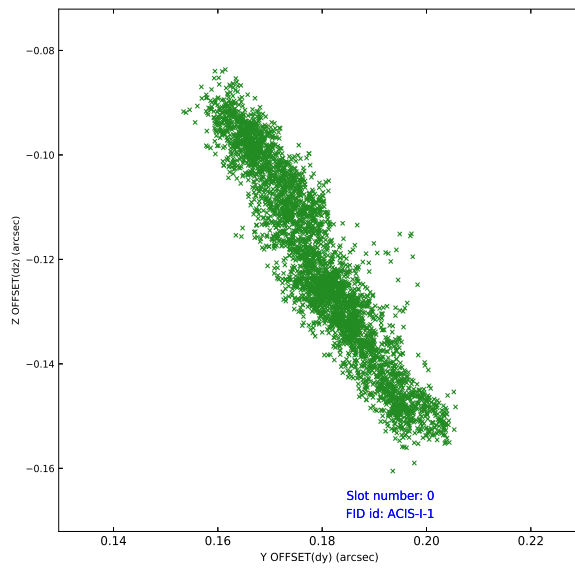


2.4.5 Slot 7

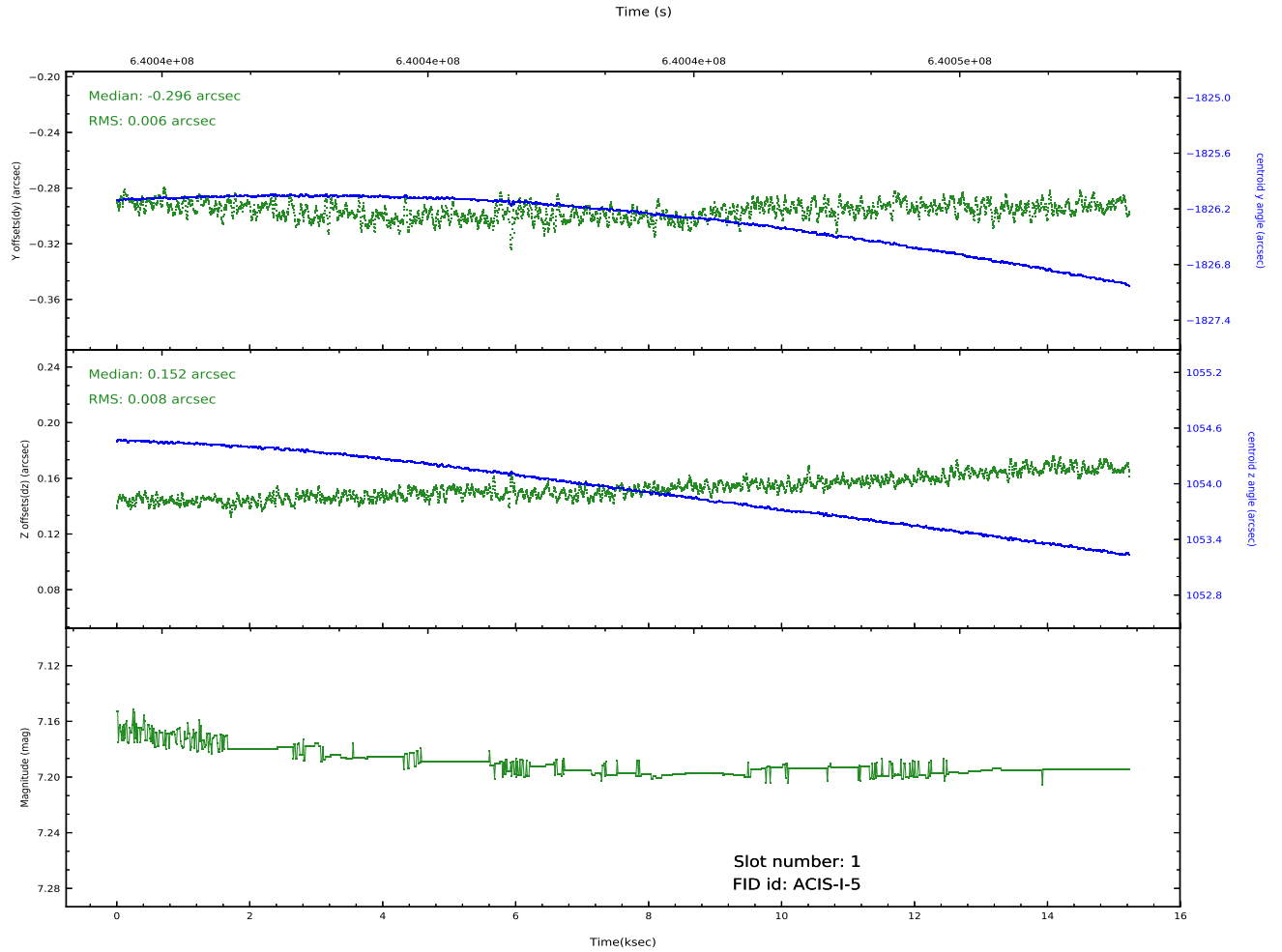
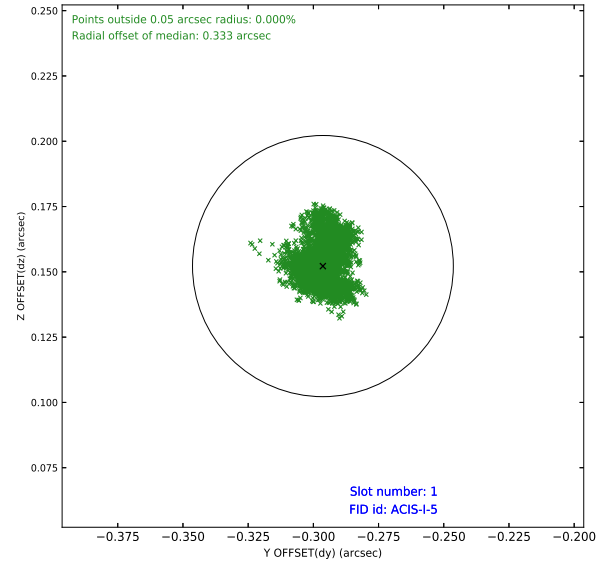
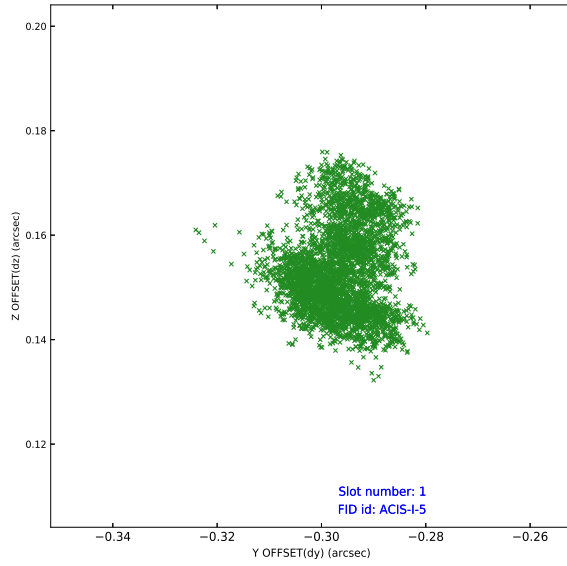


2.5 FID Slots

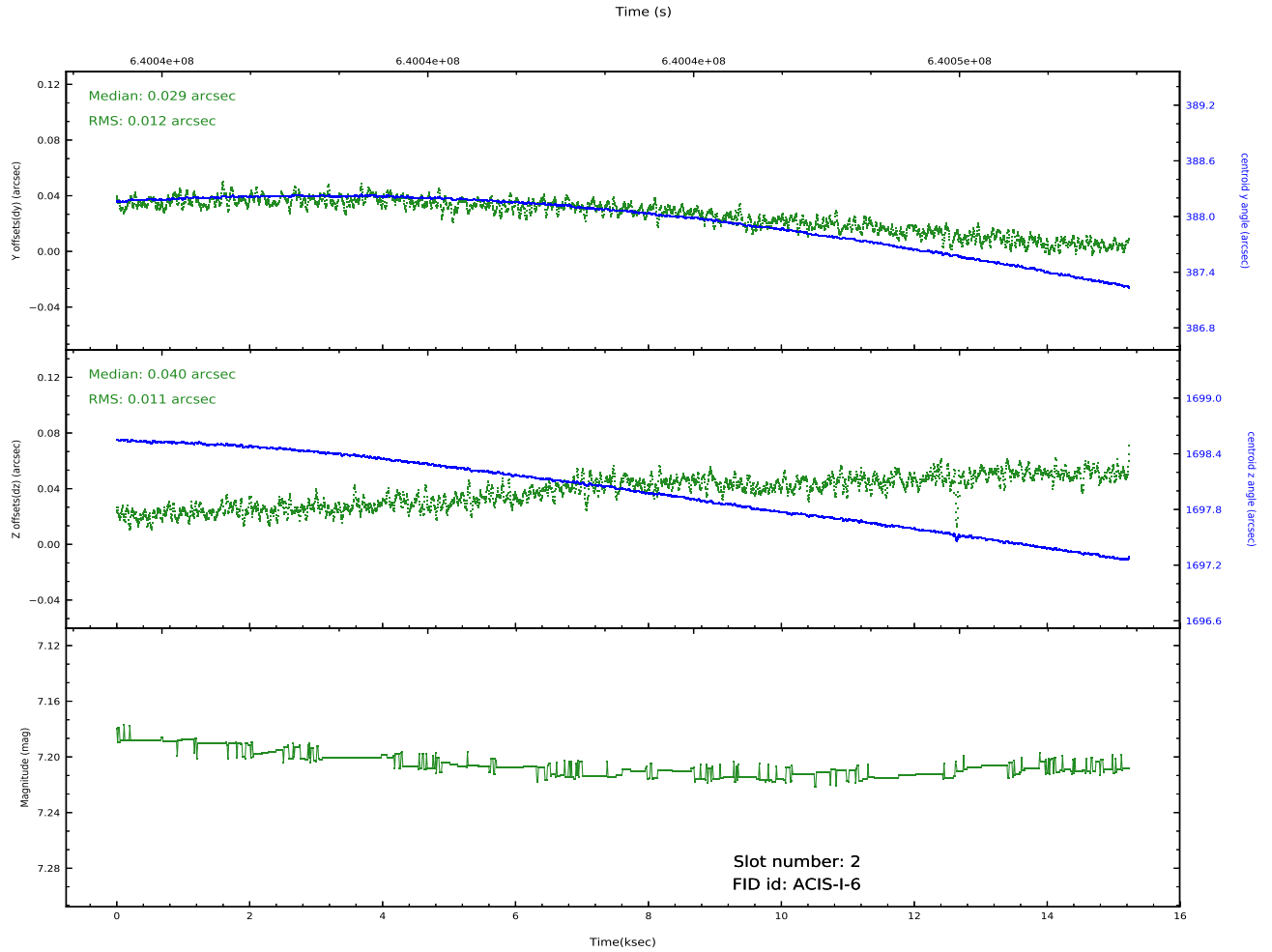
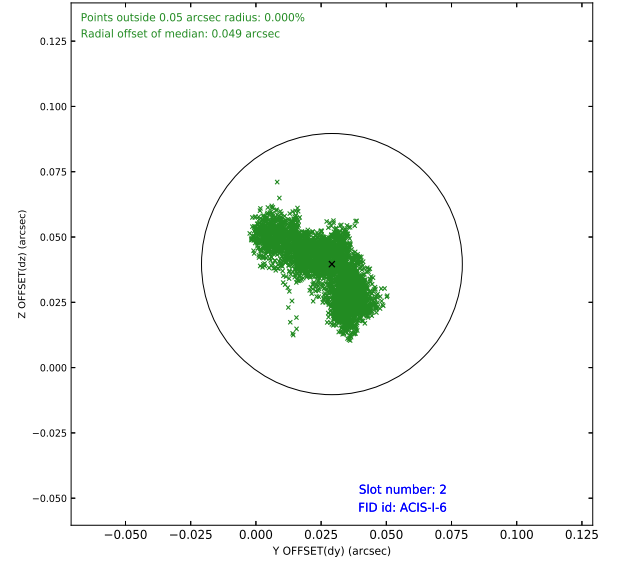
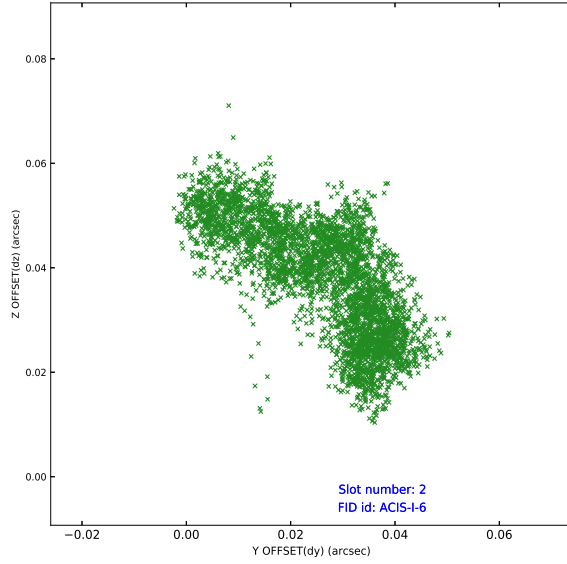
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.95350074327

A.2 Comments