

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20979 - L2 Version 2
Chandra X-Ray Center

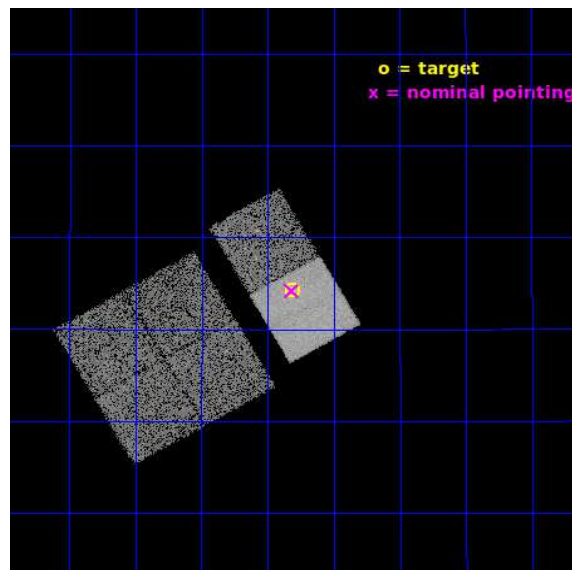
L2 Processing Date : Oct 24 2020

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1 Front

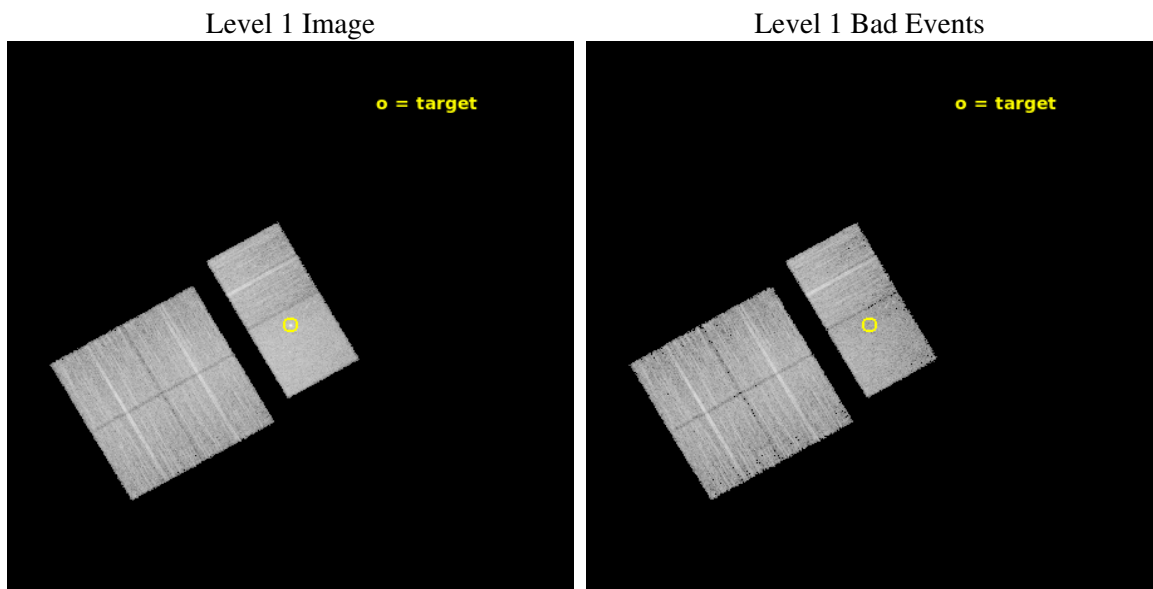
seq_num	801674	Sequence number
obs_id	20979	Observation id
title	The Unusually High Concentration of the Fossil Group NGC 6482	Prop
observer	David Buote	Principal investigator
object	NGC 6482	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.953333	Observer's specified target RA [deg]
dec_targ	23.071944	Observer's specified target Dec [deg]
ra_nom	267.95410446737	Nominal RA [deg]
dec_nom	23.070445254785	Nominal Dec [deg]
roll_nom	60.140430003323	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9948.2160383463	Sum of GTIs [s]
livetime	9822.2457367722	Livetime [s]
ontime0	9948.25707829	Sum of GTIs [s]
ontime1	9944.8108279705	Sum of GTIs [s]
ontime2	9948.0929182768	Sum of GTIs [s]
ontime3	9941.6517471075	Sum of GTIs [s]
ontime6	9948.1749982834	Sum of GTIs [s]
ontime7	9948.2160383463	Sum of GTIs [s]
l2events	73285	Number of level 2 events



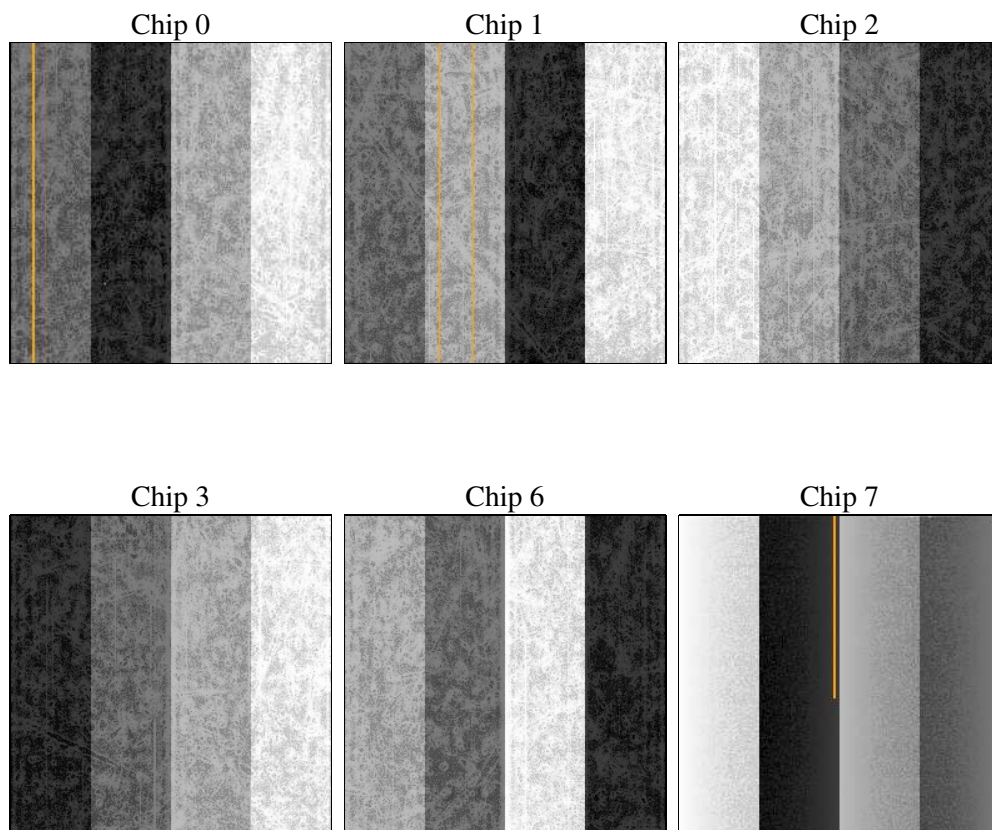
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	9948.2160383463	Sum of GTIs [s]
caldsver	4.9.3	 	ontime0	9948.25707829	Sum of GTIs [s]
date	2020-10-24T18:35:52	Date and time of file creation	ontime1	9944.8108279705	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	9948.0929182768	Sum of GTIs [s]
			ontime3	9941.6517471075	Sum of GTIs [s]
			ontime6	9948.1749982834	Sum of GTIs [s]
			ontime7	9948.2160383463	Sum of GTIs [s]
			l1events	456652	Number of level 1 events

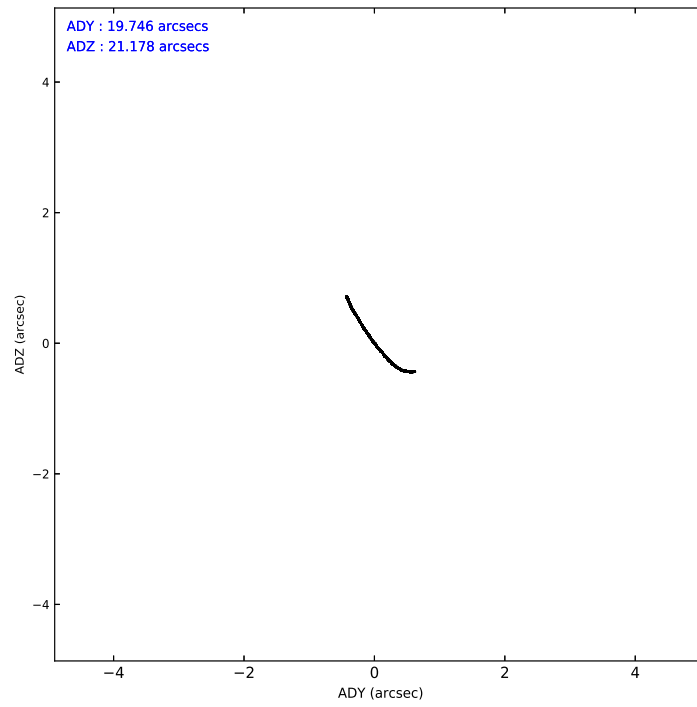
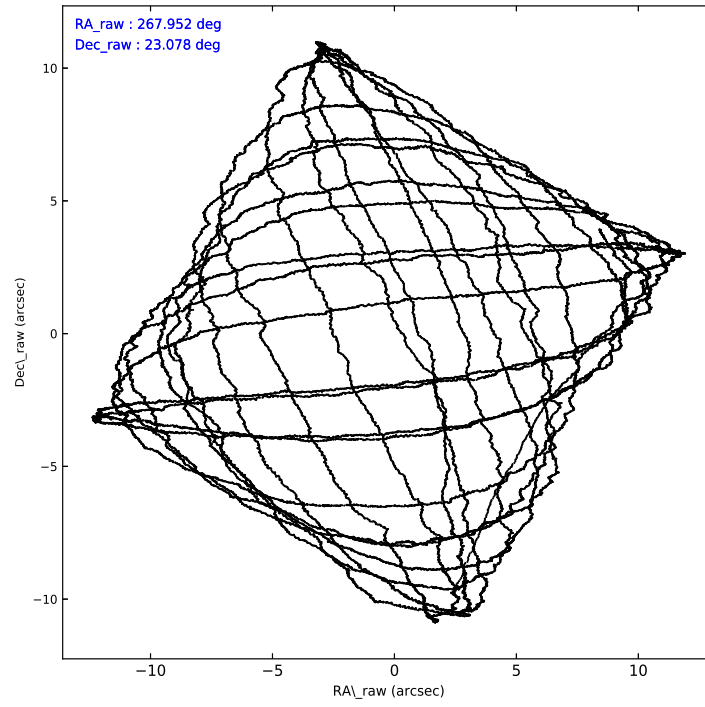
2.1.4 Events

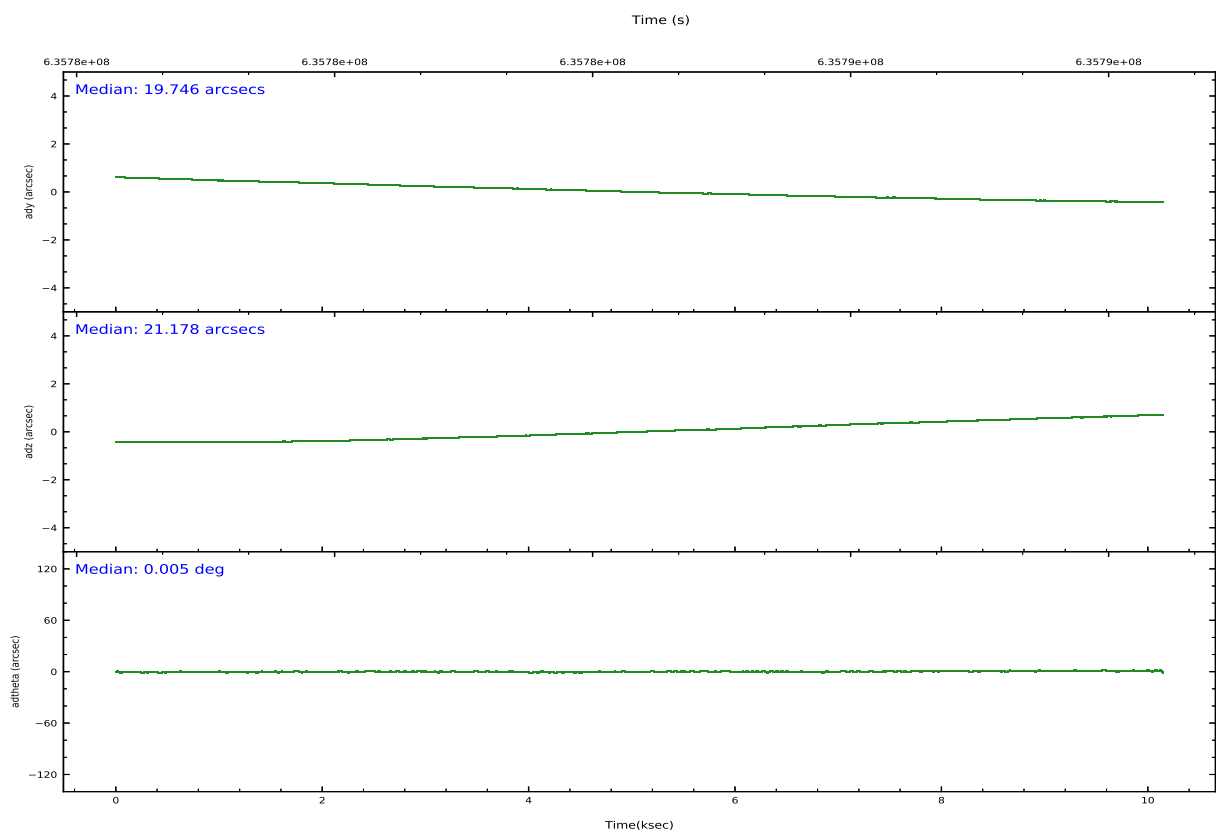
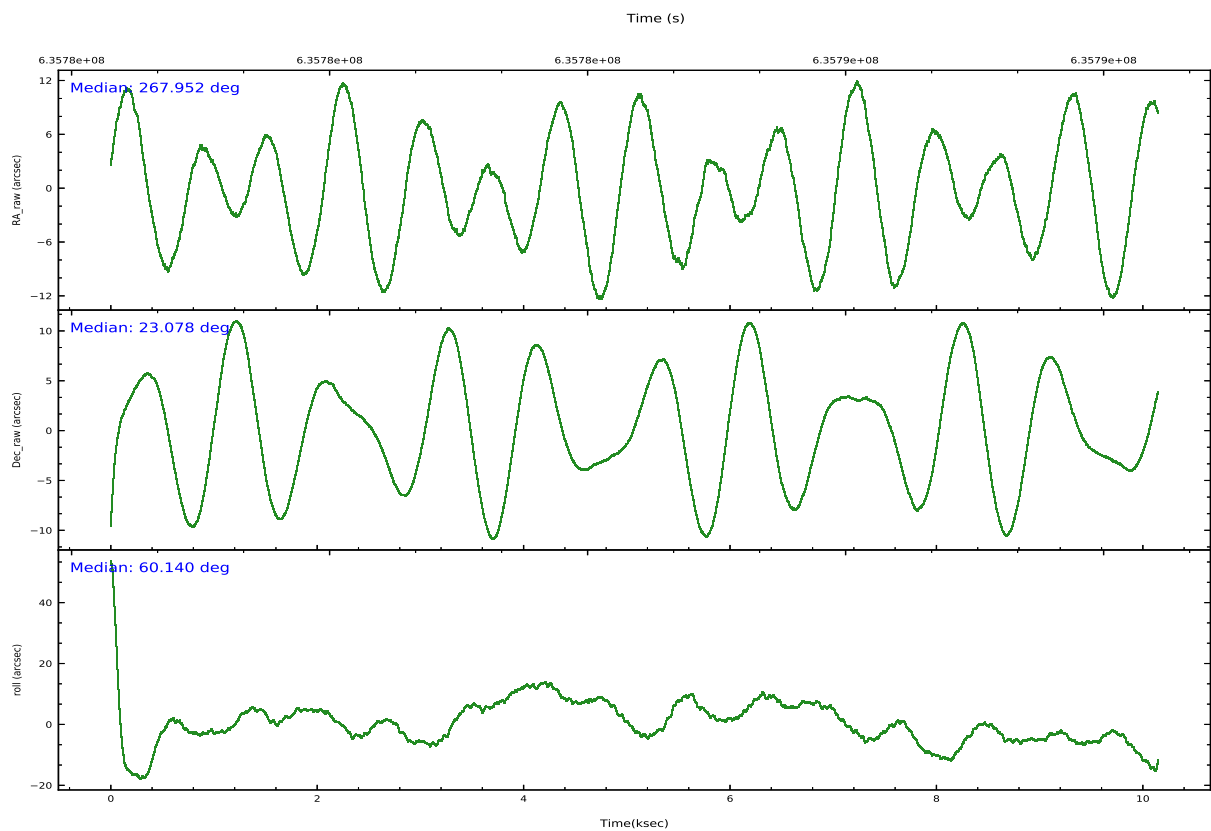
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71109	67392	73405	71144	78064	95538	grade 0 events	2530	2471	2558	2485	2567	3940
rejected events	63199	59192	66361	63892	69844	53650		3%	3%	3%	3%	3%	4%
rejected %	88%	87%	90%	89%	89%	56%	grade 1 events	35	26	31	37	41	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	2075	2188	1609	1621	2118	8975
								2%	3%	2%	2%	2%	9%
							grade 3 events	833	775	677	780	704	3389
								1%	1%	0%	1%	0%	3%
							grade 4 events	745	709	747	776	678	3275
								1%	1%	1%	1%	0%	3%
							grade 5 events	2939	2874	2537	3246	3072	9029
								4%	4%	3%	4%	3%	9%
							grade 6 events	1732	2058	1456	1595	2159	22340
								2%	3%	1%	2%	2%	23%
							grade 7 events	60220	56291	63790	60604	66725	44455
								84%	83%	86%	85%	85%	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	O2	Y
Observation mode	POINTING	POINTING	CCD I1 on	O1	Y
[deg] Pointing RA	267.951856	267.95410446737	CCD I2 on	Y	Y
[deg] Pointing Dec	23.051019	23.070445254785	CCD I3 on	Y	Y
[deg] Pointing Roll	60.000579	60.140430003323	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	N	N
[s] Observation start time (MET)	635780529.184000	635779214.48695	CCD S5 on	N	N
Observation start date	2018-02-23T13:41:00	2018-02-23T13:20:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	635790529.184000	635791601.61268	On-chip summing requested	N	N
Observation end date	2018-02-23T16:27:40	2018-02-23T16:46:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



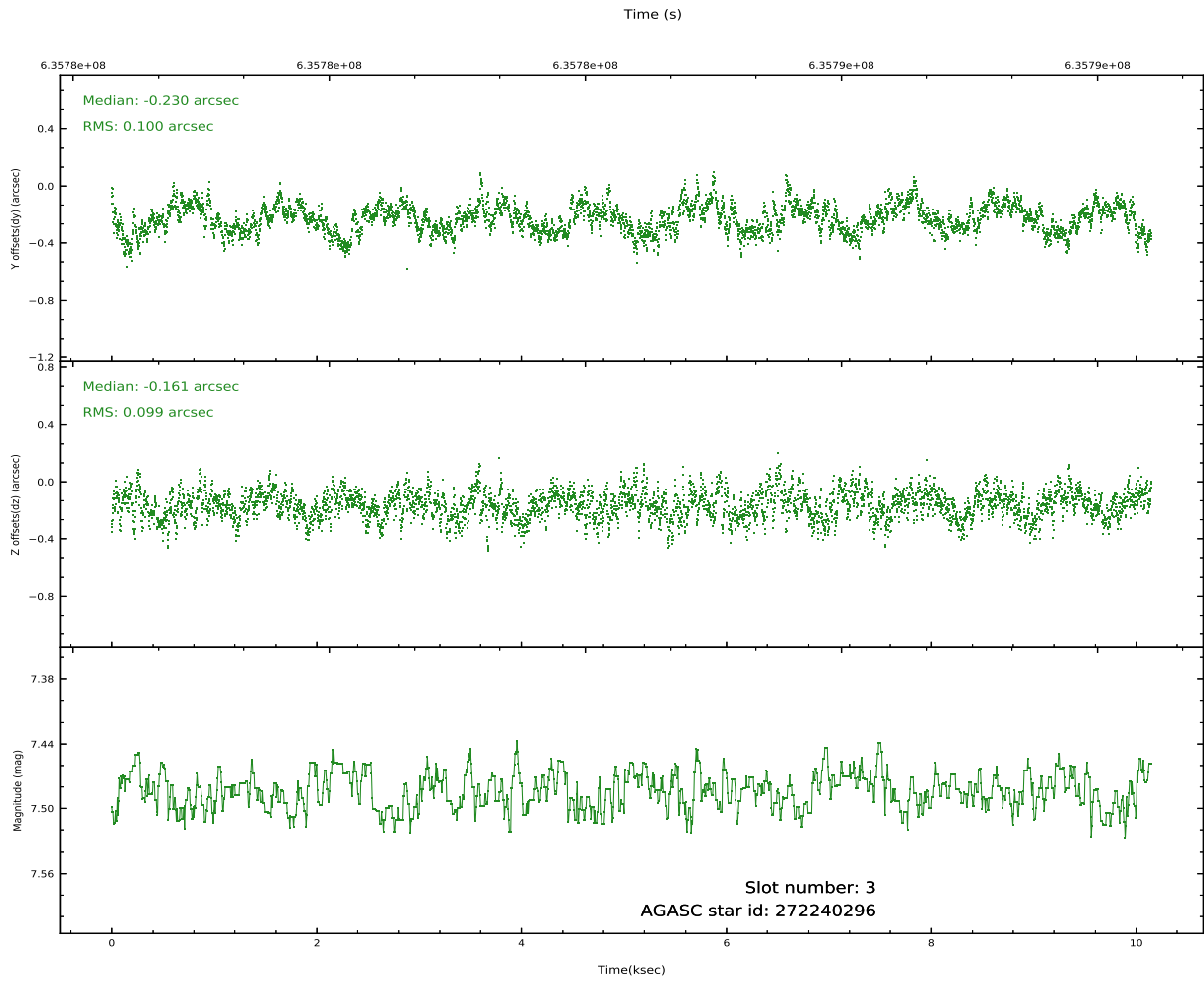
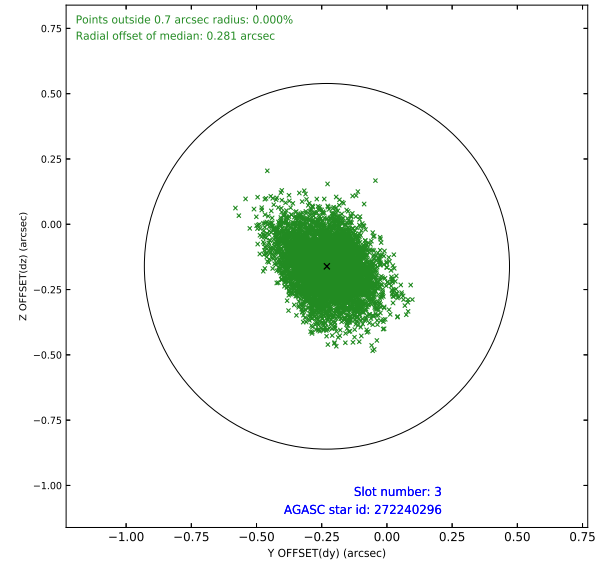
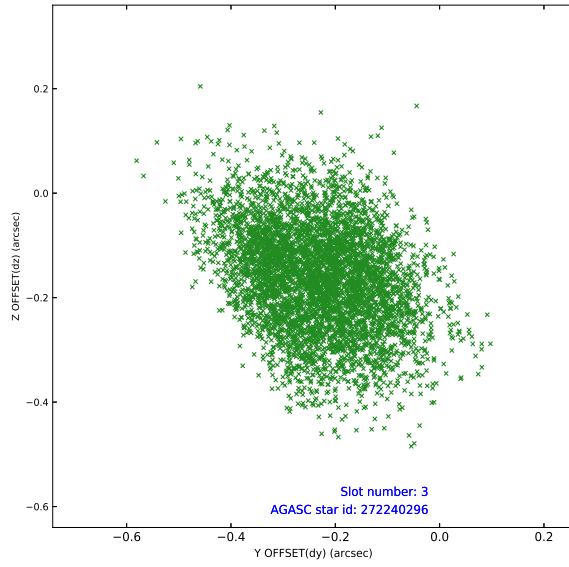


Slot Statistics

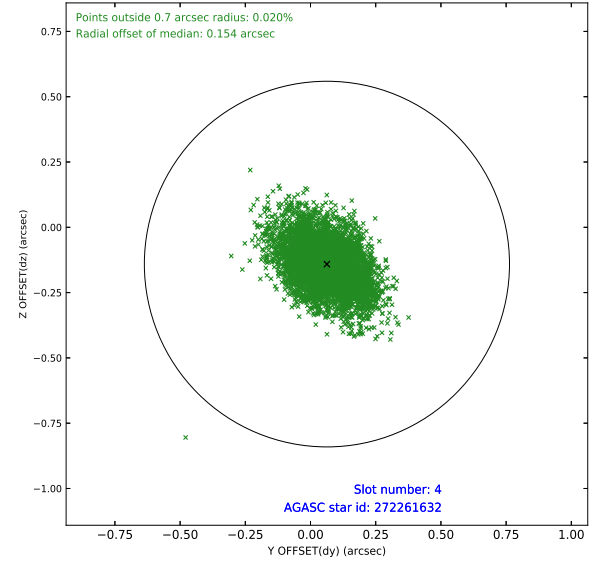
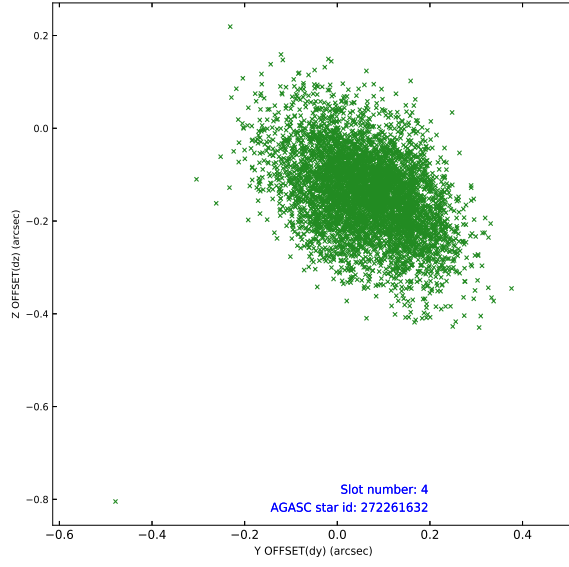
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	2476	1.000	0.109	-0.123	0.021	0.029	0.000000	0.000000	-773.04	-1742
1	FID		ACIS-S-4	7.25	2476	1.000	0.115	-0.018	0.015	0.024	0.000000	0.000000	2140.29	164
2	FID		ACIS-S-5	7.24	2476	1.000	-0.252	0.149	0.018	0.027	0.000000	0.000000	-1825.29	159
3	GUIDE	used	272240296	7.48	4951	1.000	-0.230	-0.161	0.149	0.240	267.638660	23.255916	121.41	1266
4	GUIDE	used	272261632	8.33	4947	1.000	0.063	-0.141	0.137	0.231	267.202505	22.973470	-1478.63	2014
5	GUIDE	used	273948672	8.82	4945	1.000	0.066	-0.110	0.185	0.301	268.631849	23.232305	1694.70	-1618
6	GUIDE	used	273969496	9.00	4948	1.000	0.008	0.053	0.139	0.226	268.396476	22.968275	481.15	-1424
7	GUIDE	used	273976672	8.97	4876	1.000	0.097	0.372	0.156	0.251	267.916715	22.762899	-955.61	-417

2.4 Star Slots

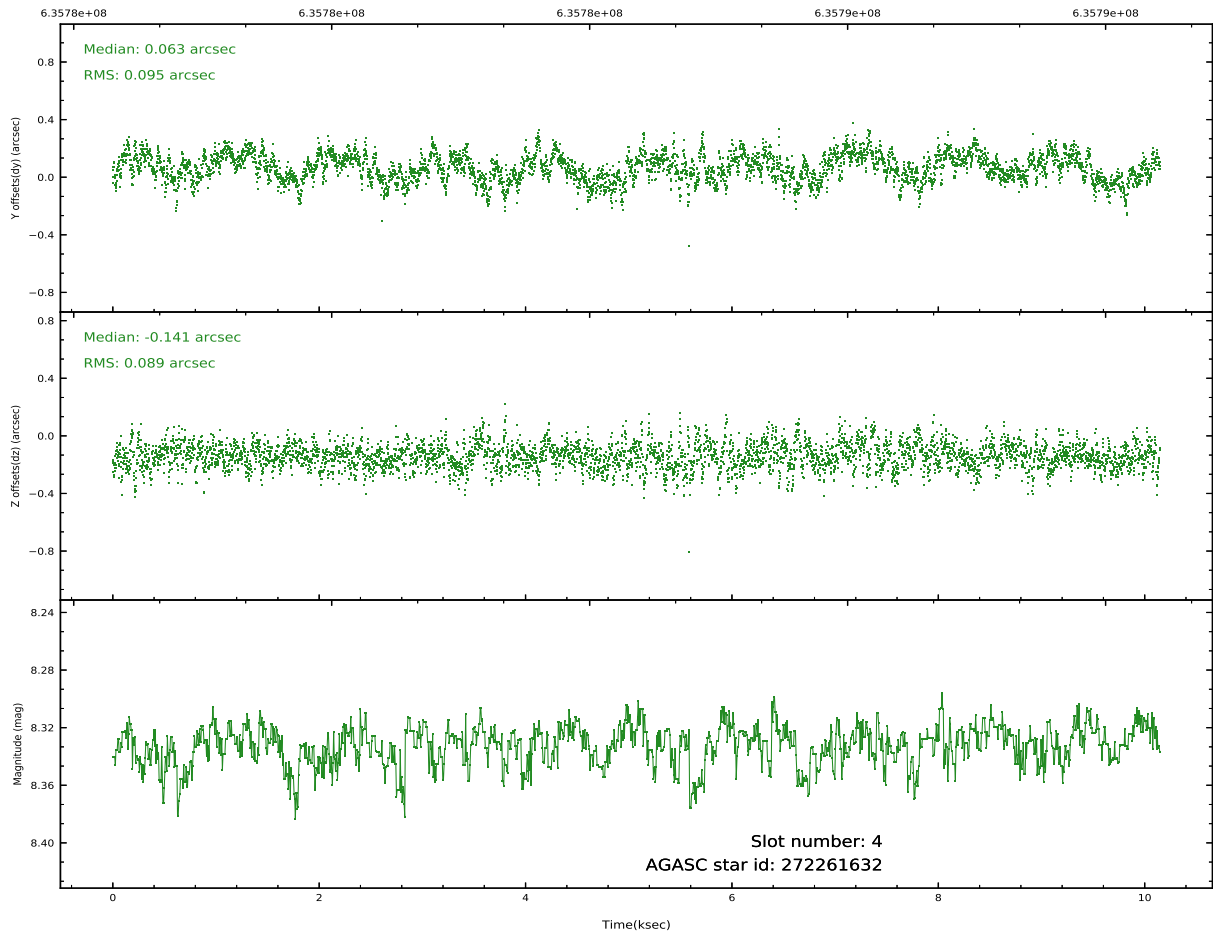
2.4.1 Slot 3



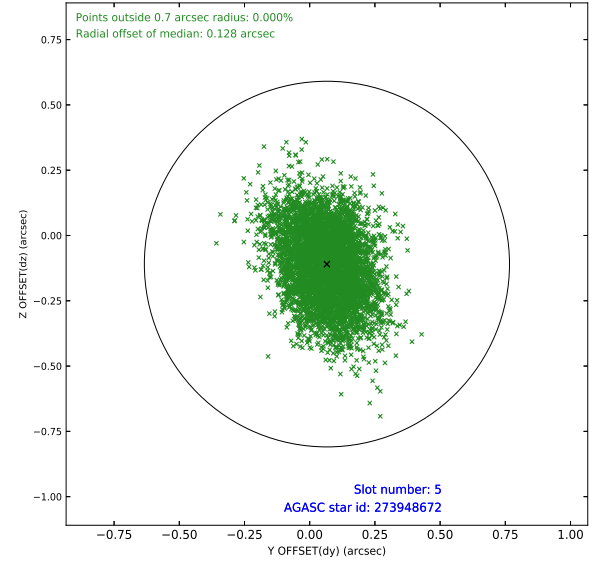
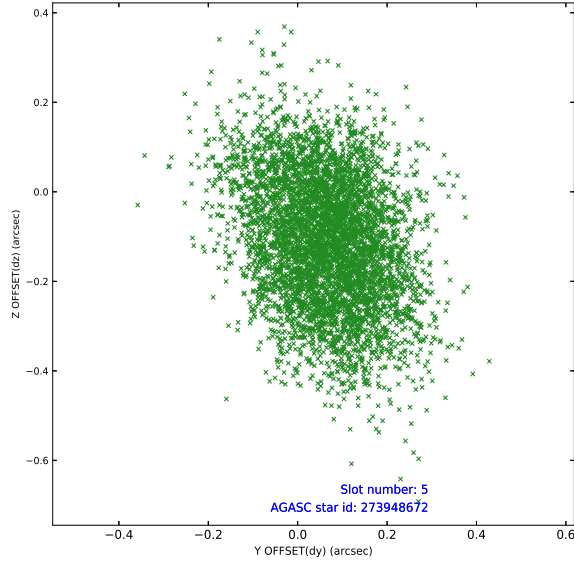
2.4.2 Slot 4



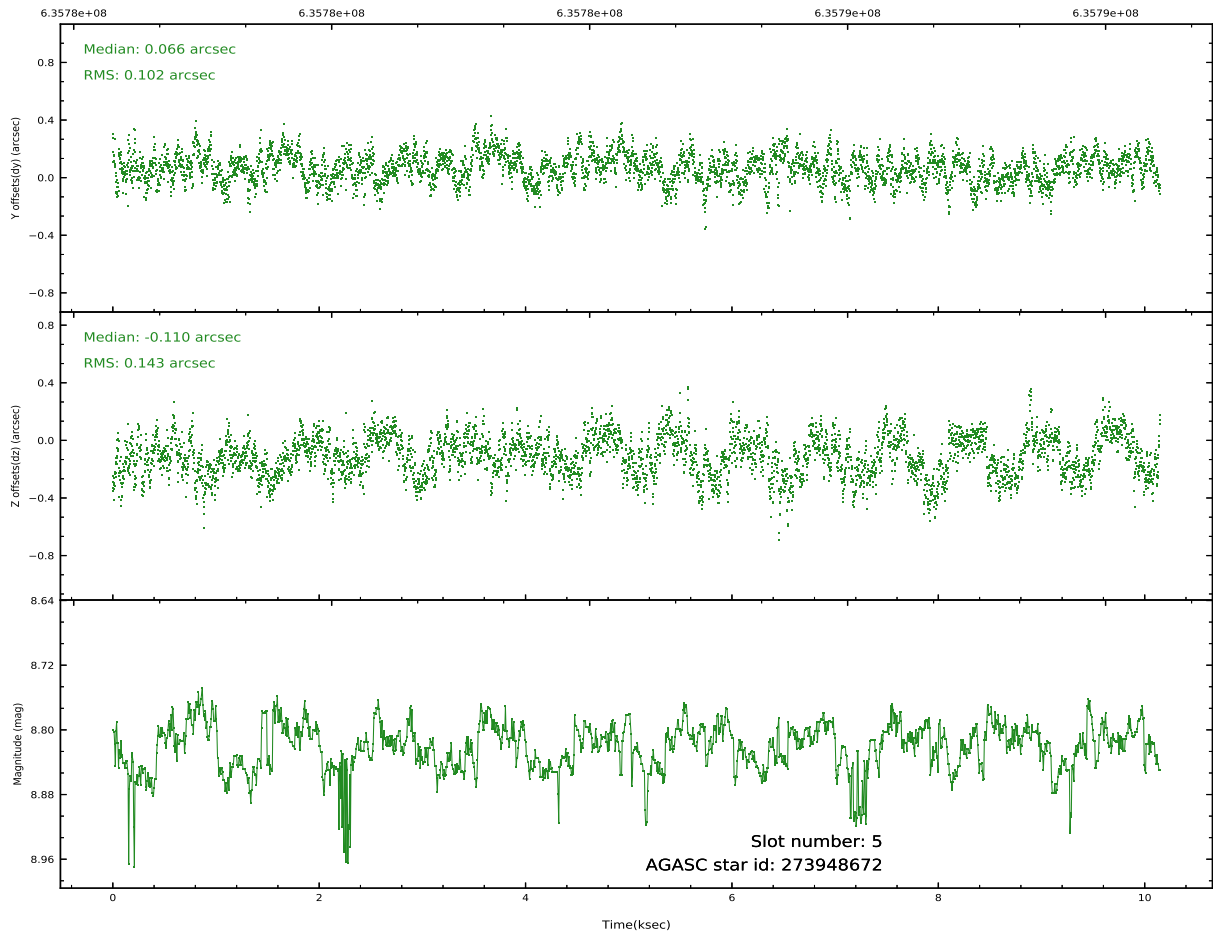
Time (s)



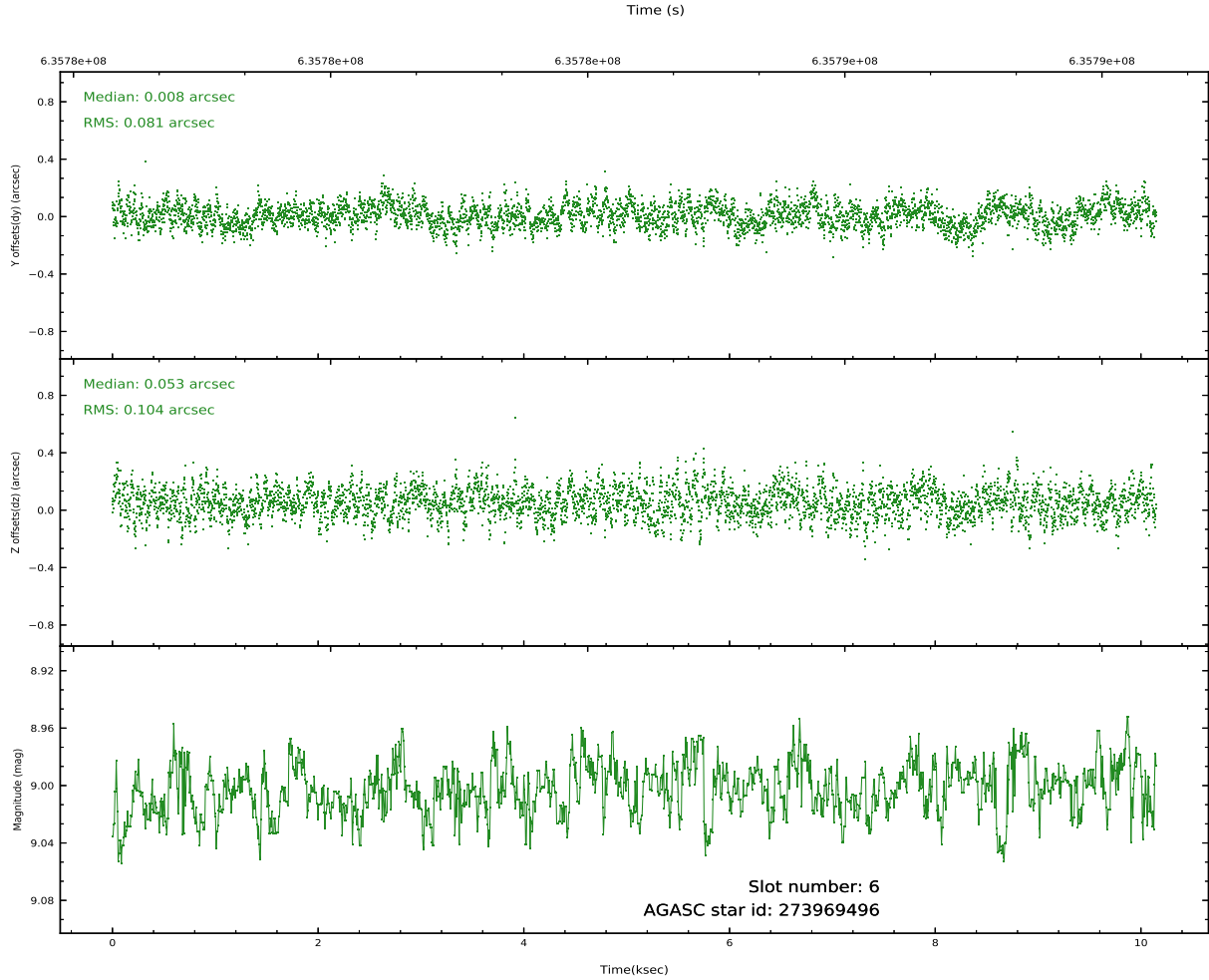
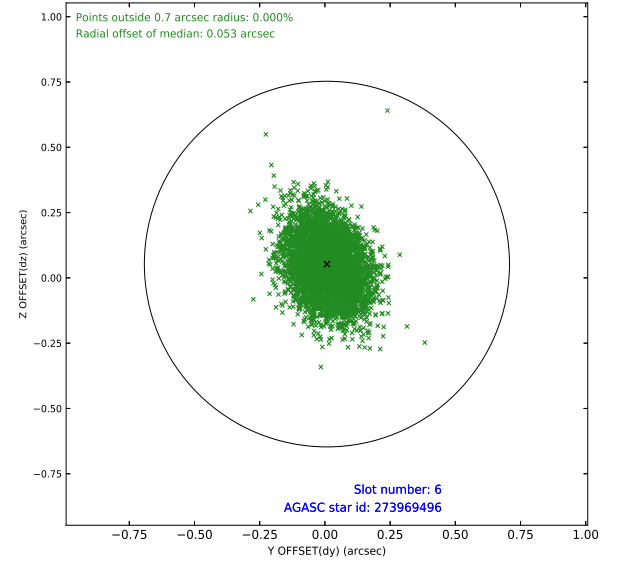
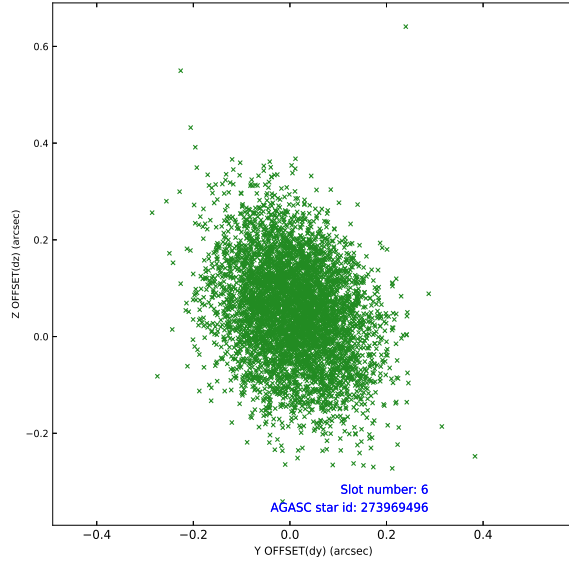
2.4.3 Slot 5



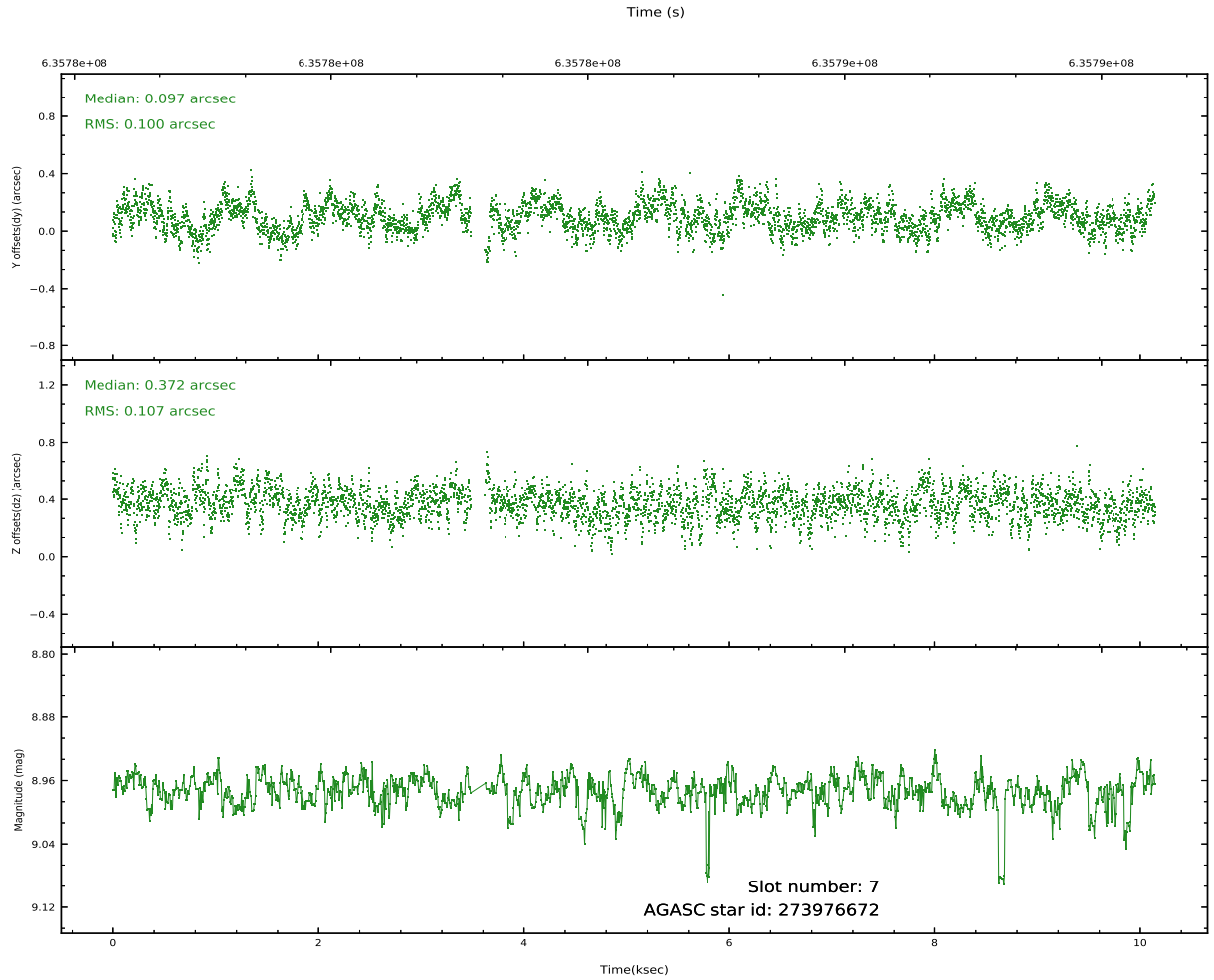
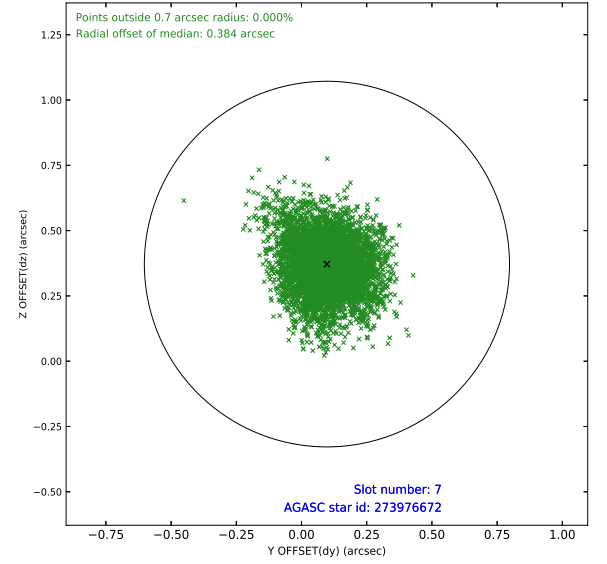
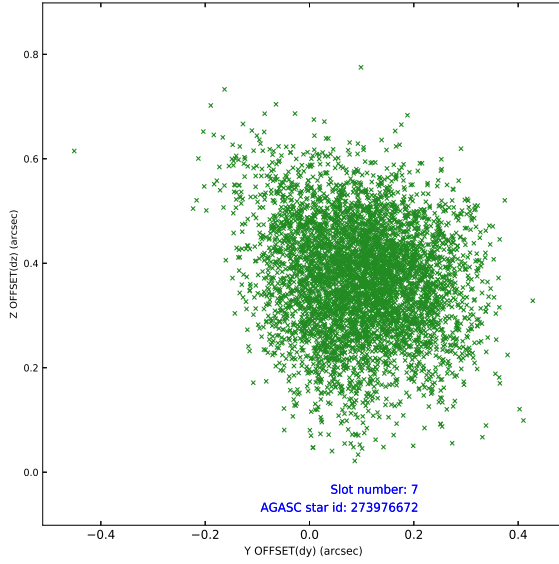
Time (s)



2.4.4 Slot 6

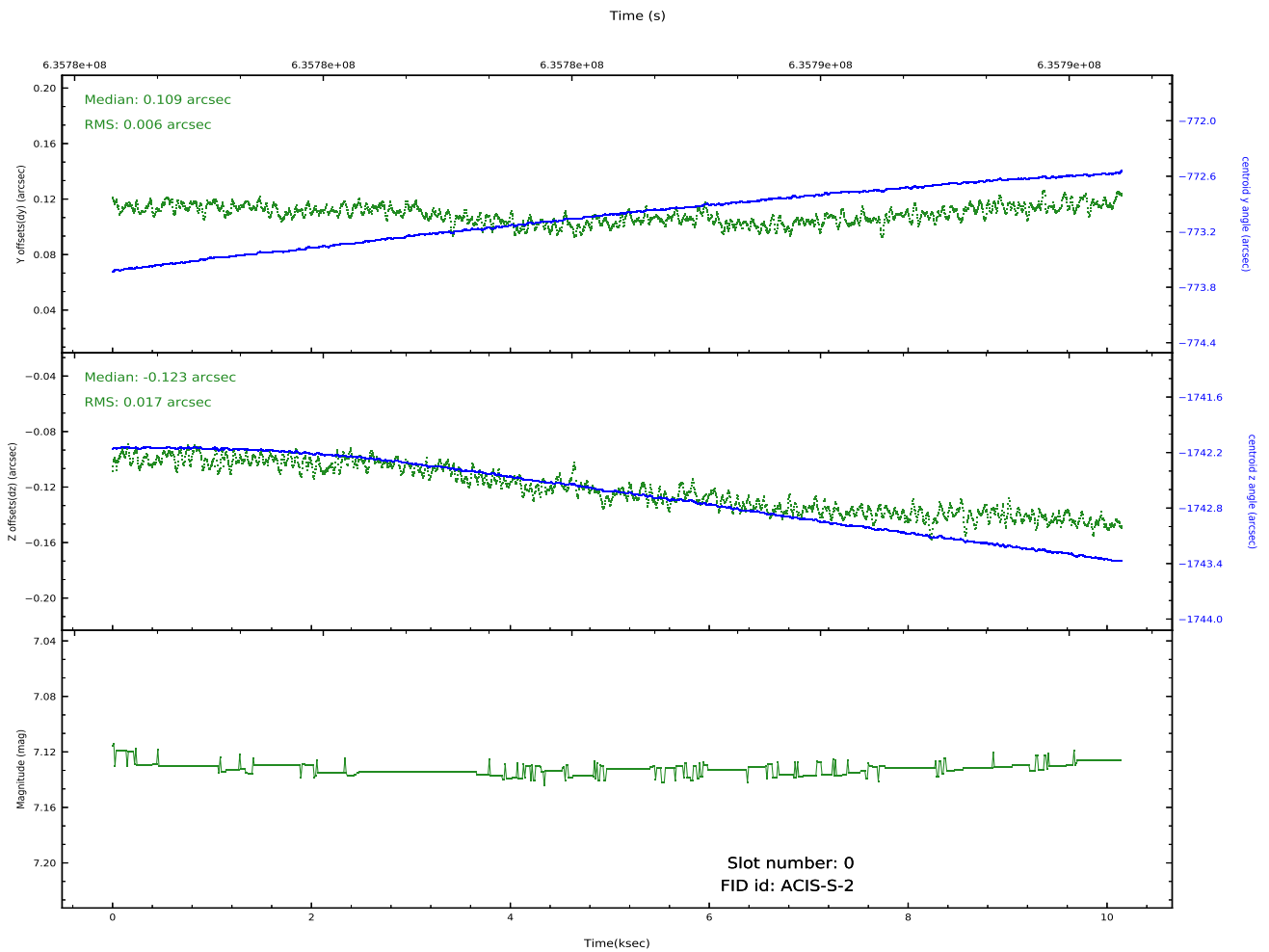
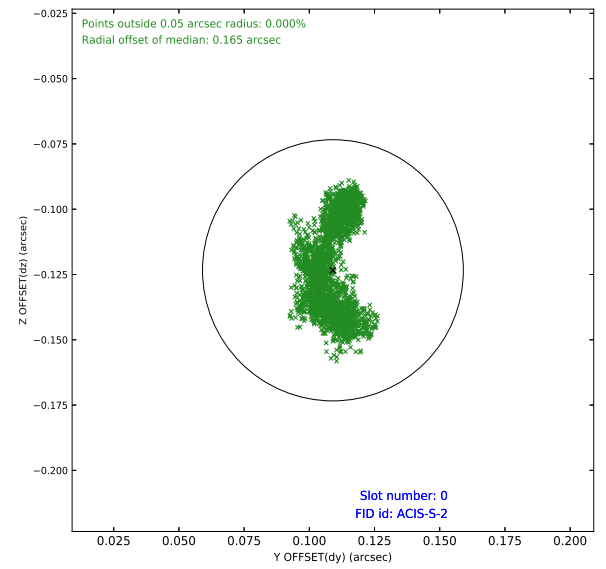
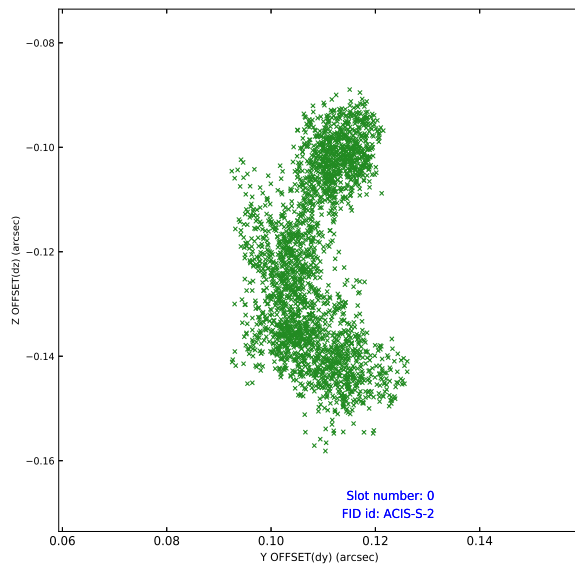


2.4.5 Slot 7

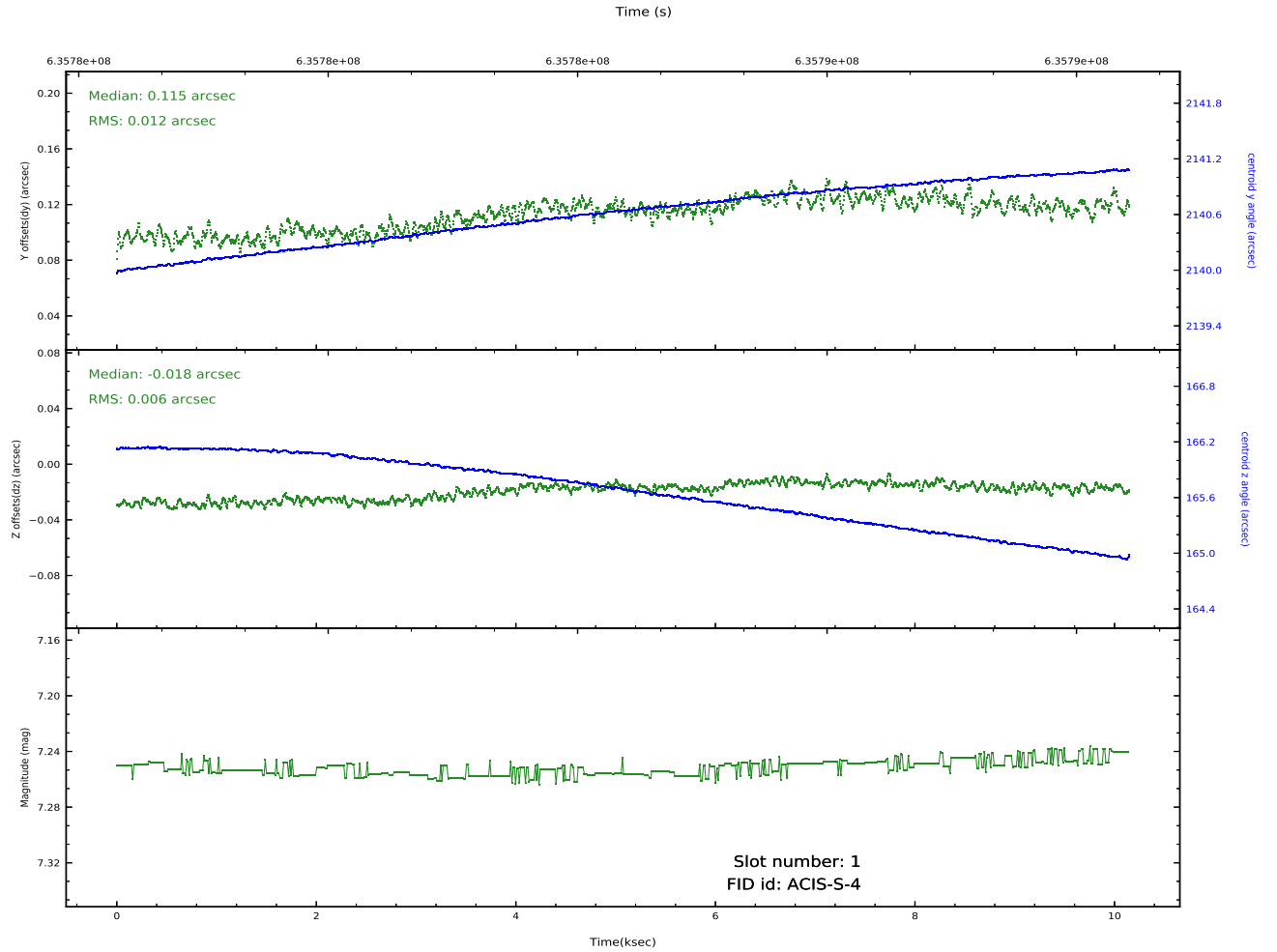
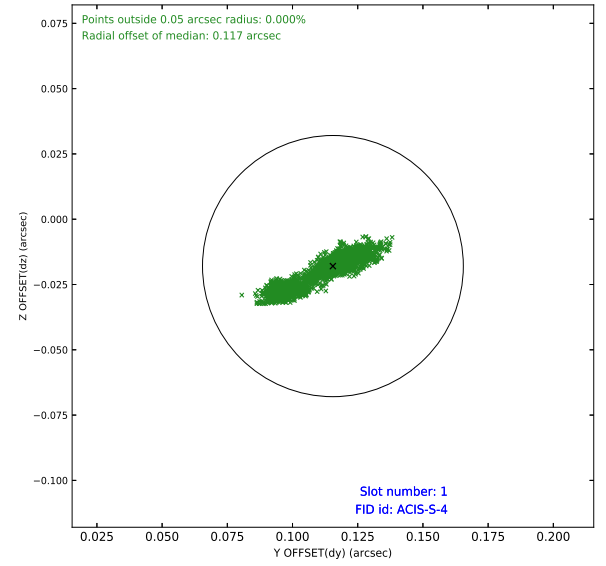
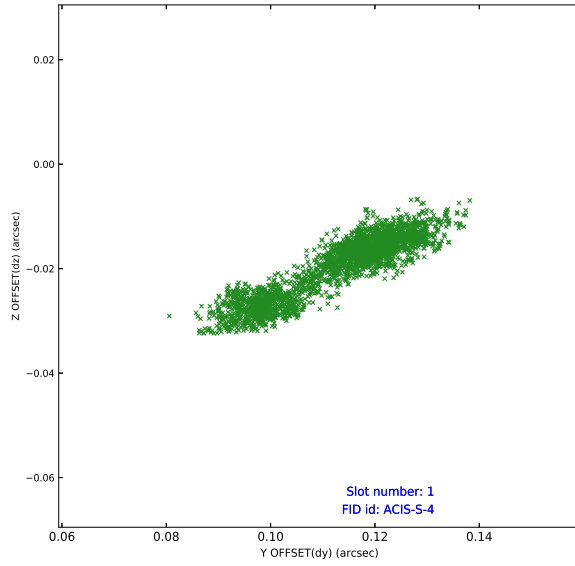


2.5 FID Slots

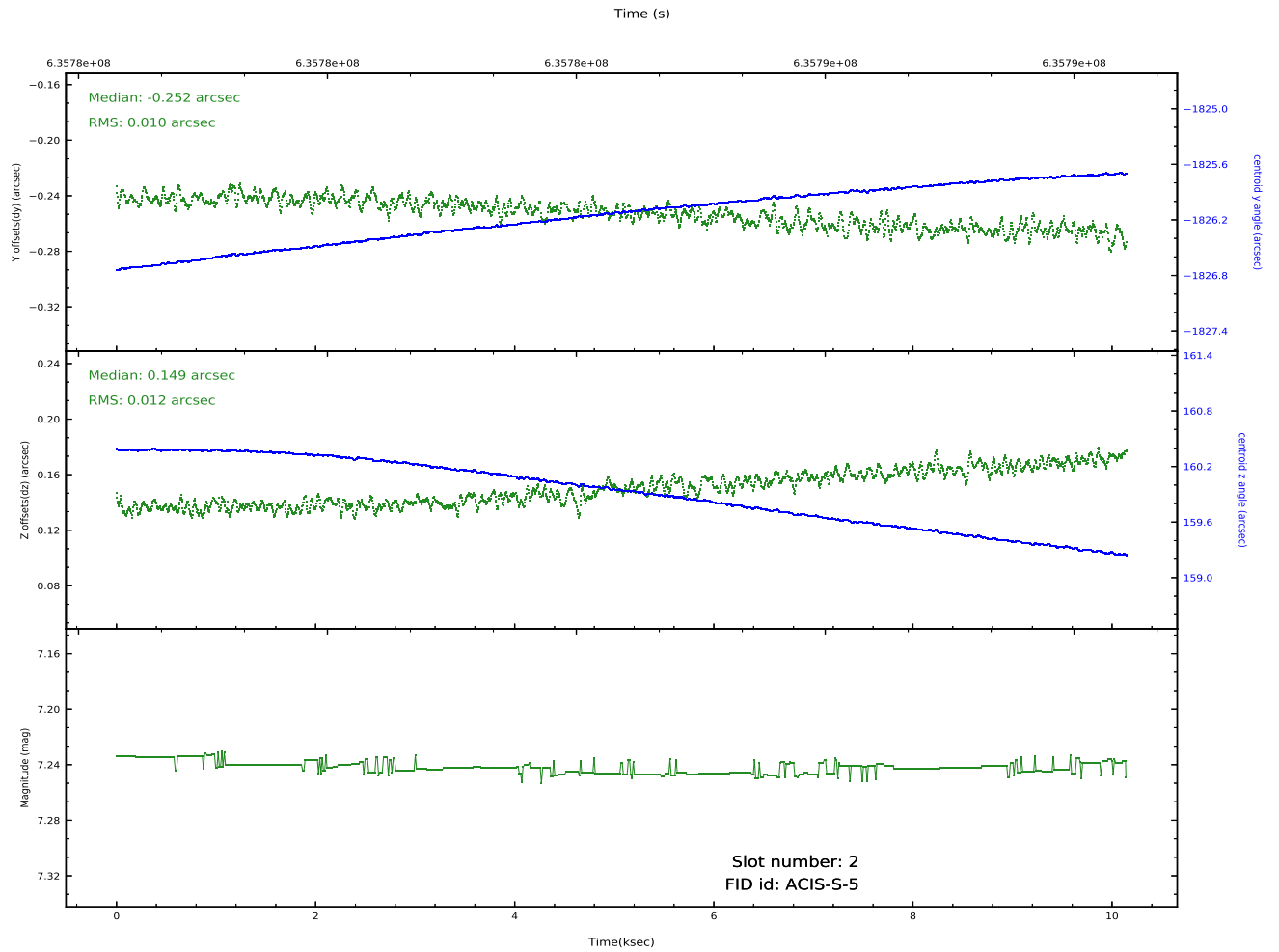
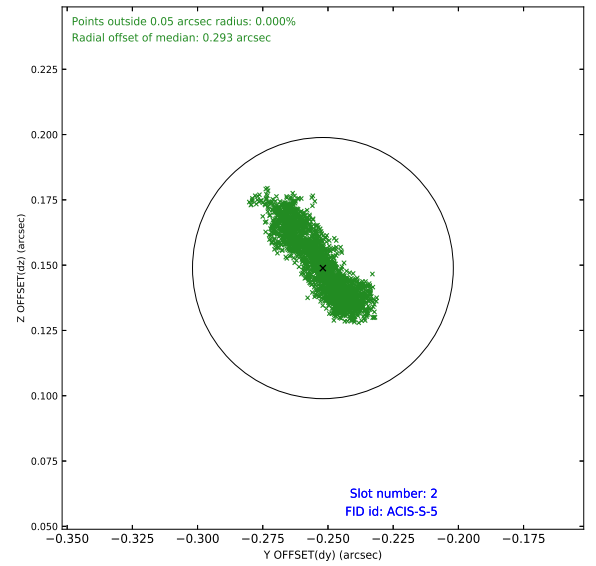
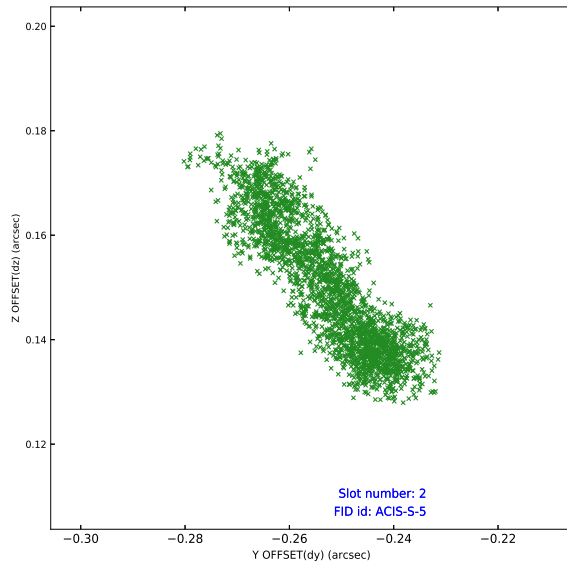
2.5.1 Slot 0



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)	2020.10.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9482160406113

A.2 Comments