

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4505 - L2 Version 4
Chandra X-Ray Center

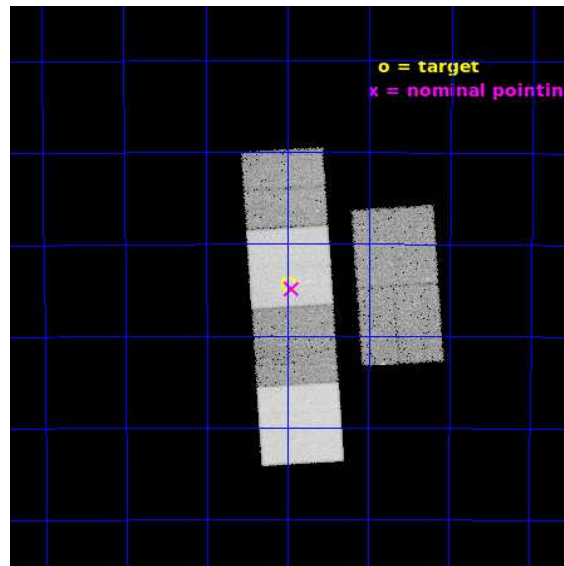
L2 Processing Date : Sep 26 2020

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1 Front

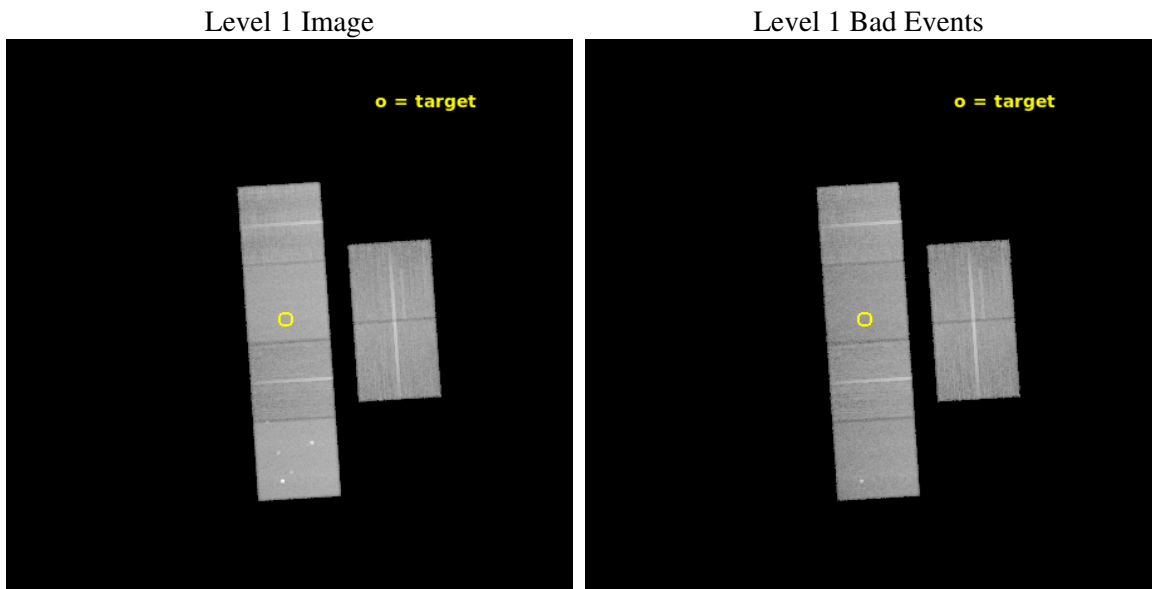
seq_num	200274	Sequence number
obs_id	4505	Observation id
title	Wind-Wind Interactions and Stellar Magnetic Fields in Pre-Planetary Nebulae	Proposal title
observer	Raghvendra Sahai	Principal investigator
object	HD101584	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.245	Observer's specified target RA [deg]
dec_targ	-55.573833	Observer's specified target Dec [deg]
ra_nom	175.23662613557	Nominal RA [deg]
dec_nom	-55.581249417744	Nominal Dec [deg]
roll_nom	266.28170293182	Nominal Roll [deg]
revision	4	Processing version of data
ontime	24956.342616111	Sum of GTIs [s]
livetime	24640.330379	Livetime [s]
ontime2	24956.383656114	Sum of GTIs [s]
ontime3	24956.219496101	Sum of GTIs [s]
ontime5	24956.301576108	Sum of GTIs [s]
ontime6	24956.260536104	Sum of GTIs [s]
ontime7	24956.342616111	Sum of GTIs [s]
ontime8	24956.178456128	Sum of GTIs [s]
l2events	292915	Number of level 2 events



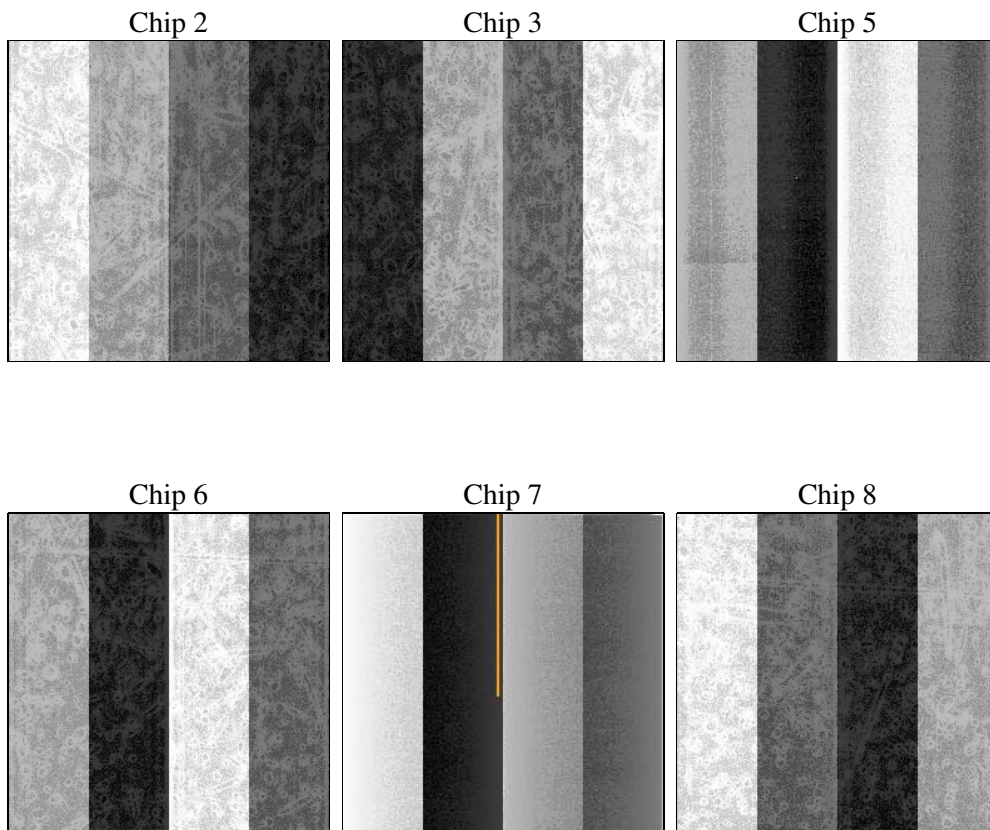
2 OBI

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	10.9.1	Processing system revision	ontime	24956.342616111	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	24956.383656114	Sum of GTIs [s]
date	2020-09-26T10:37:27	Date and time of file creation	ontime3	24956.219496101	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	24956.301576108	Sum of GTIs [s]
			ontime6	24956.260536104	Sum of GTIs [s]
			ontime7	24956.342616111	Sum of GTIs [s]
			ontime8	24956.178456128	Sum of GTIs [s]
			l1events	1308908	Number of level 1 events

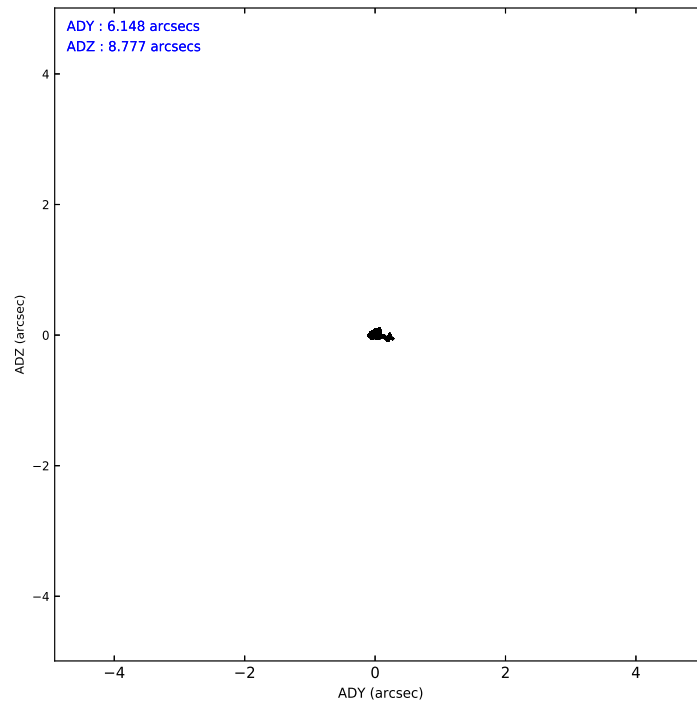
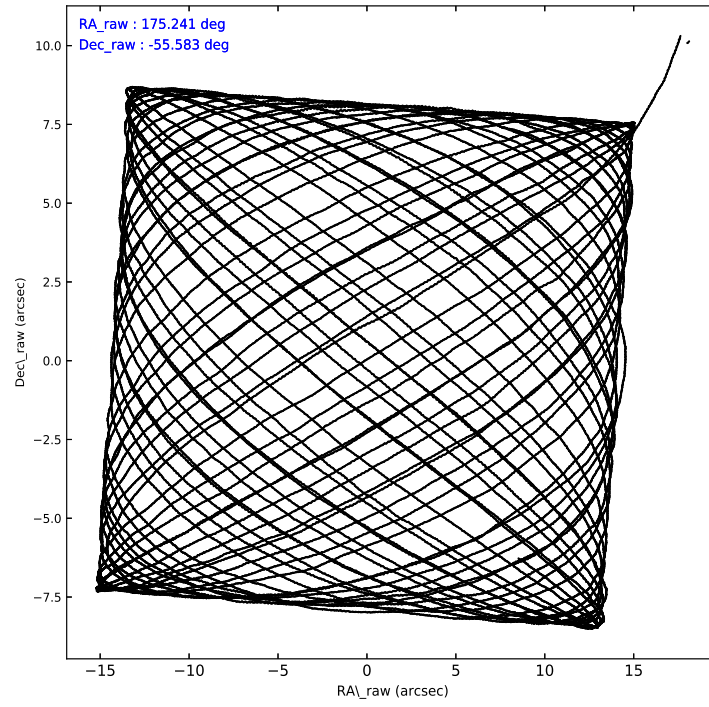
2.1.4 Events

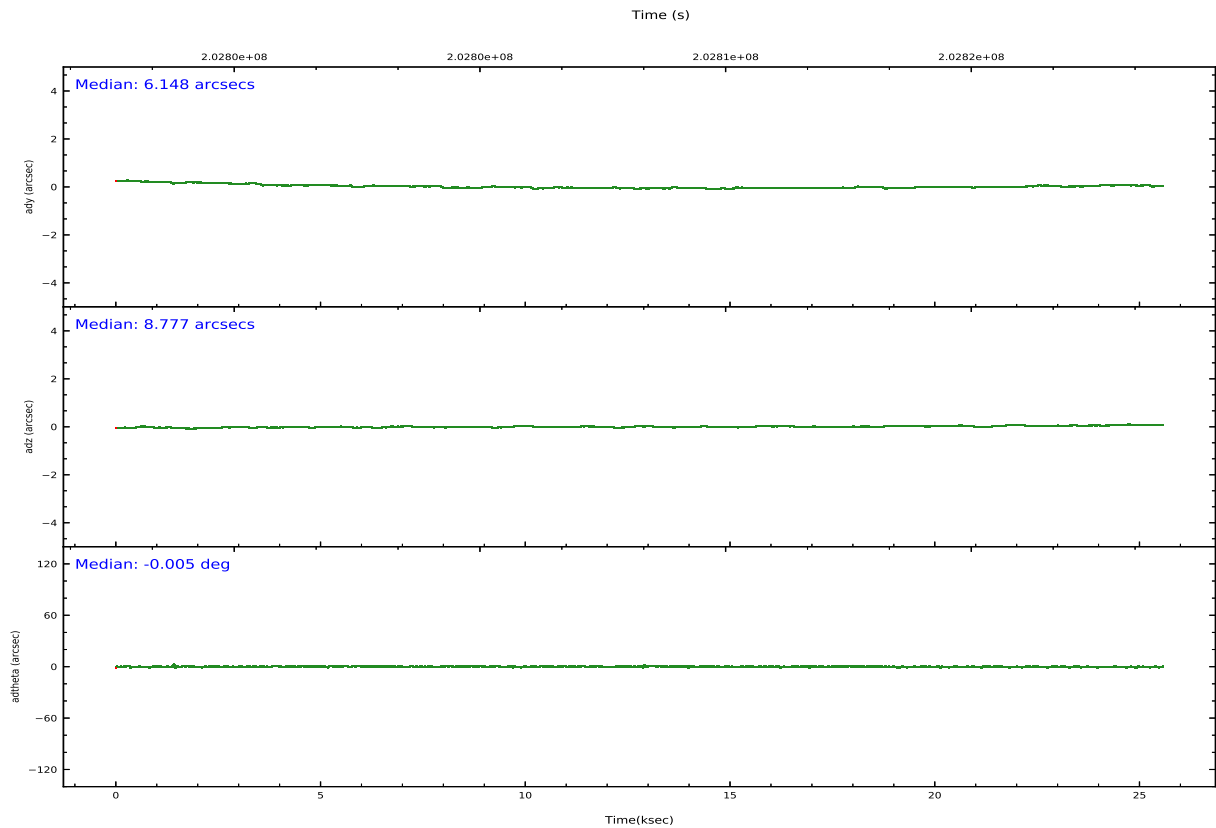
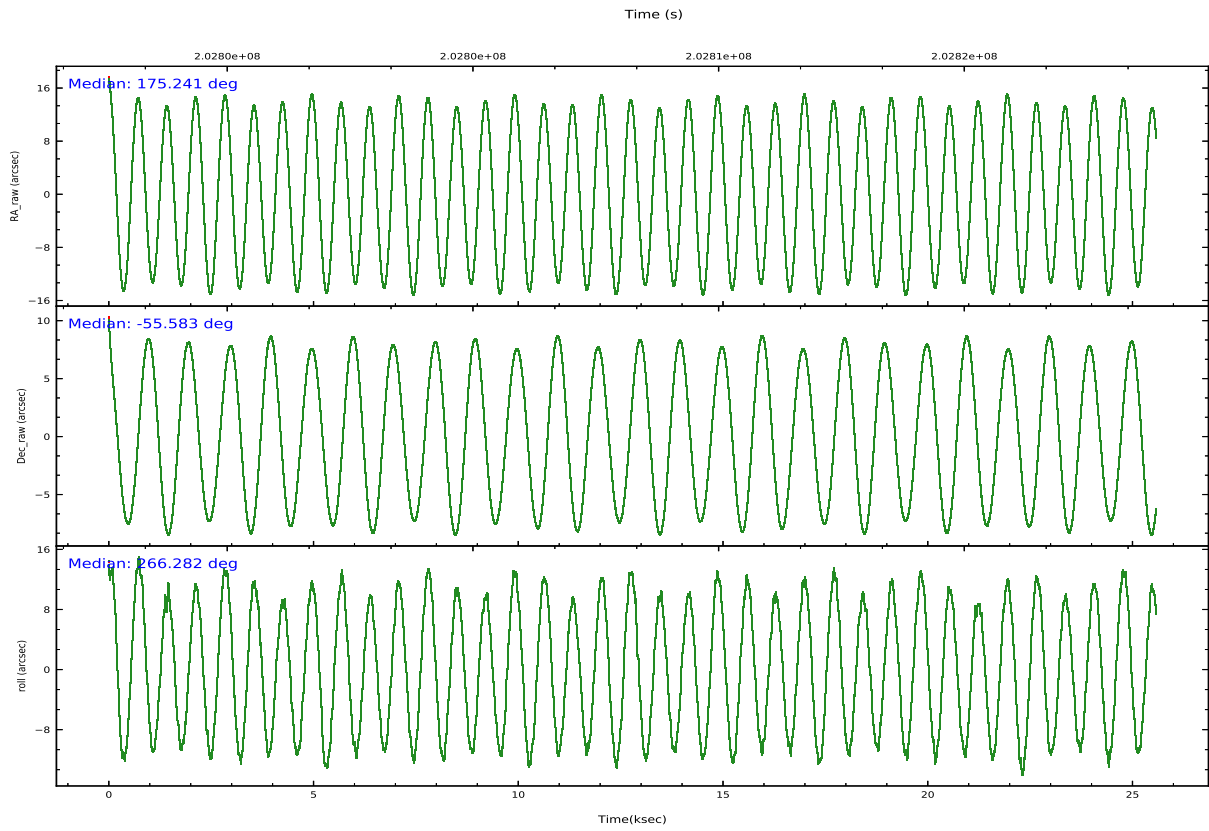
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	184480	181531	279640	184749	247533	230975	grade 0 events	9435	9293	15674	8547	9062	15524
rejected events	162873	160286	150642	163157	145677	181966		5%	5%	5%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	78%	grade 1 events	113	103	1511	96	229	142
								0%	0%	0%	0%	0%	0%
							grade 2 events	4375	4058	37736	4462	20304	10873
								2%	2%	13%	2%	8%	4%
							grade 3 events	1979	2135	4948	2025	9057	5106
								1%	1%	1%	1%	3%	2%
							grade 4 events	2101	2058	4721	2083	8788	4855
								1%	1%	1%	1%	3%	2%
							grade 5 events	7232	8162	20264	8534	23886	11381
								3%	4%	7%	4%	9%	4%
							grade 6 events	3720	3706	65990	4489	54670	12655
								2%	2%	23%	2%	22%	5%
							grade 7 events	155525	152016	128796	154513	121537	170439
								84%	83%	46%	83%	49%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	175.219016	175.23662613557	Subarray requested	NONE	NONE
[deg] Pointing Dec	-55.558961	-55.581249417744	Alternating exposures requested	N	N
[deg] Pointing Roll	266.110728	266.28170293182	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	202795685.184000	202794377.8901			
Observation start date	2004-06-05T04:07:01	2004-06-05T03:46:17			
[s] Observation end time (MET)	202820685.184000	202821719.76631			
Observation end date	2004-06-05T11:03:41	2004-06-05T11:21:59			
Read mode	TIMED	TIMED			

2.3 Aspect



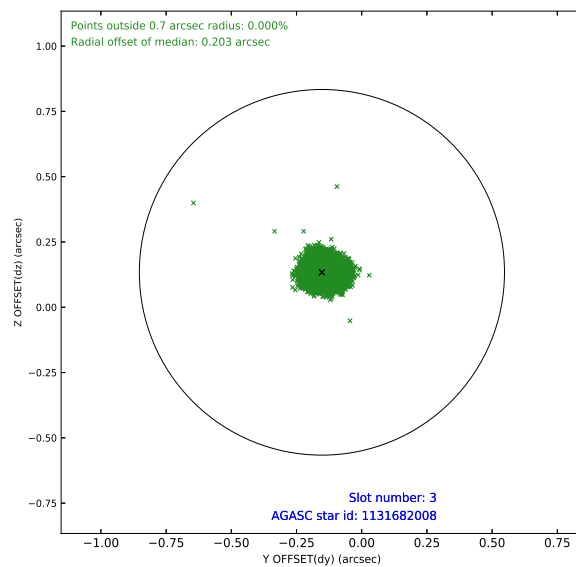
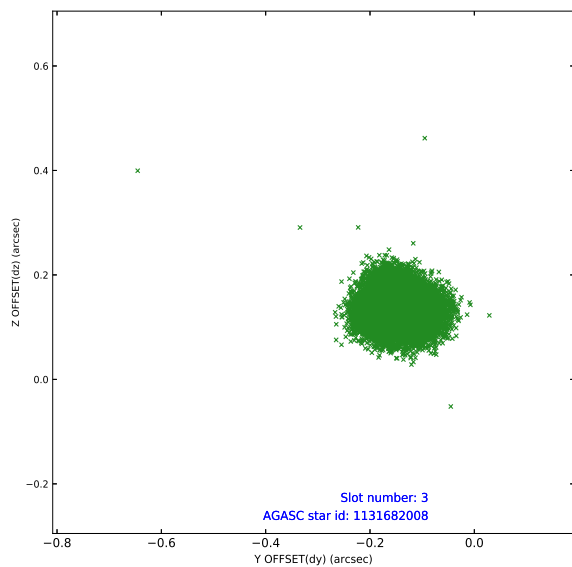


Slot Statistics

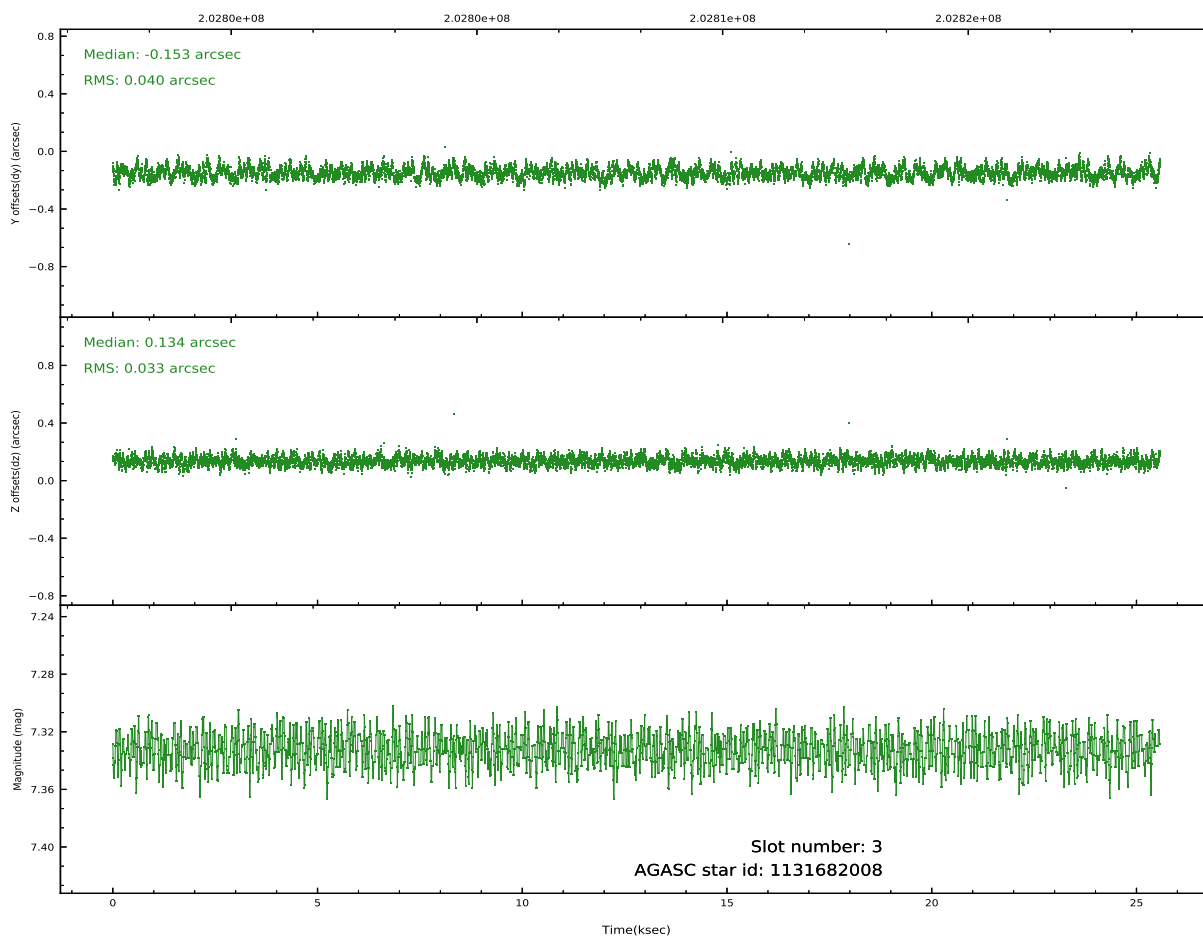
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	6239	1.000	-0.072	-0.084	0.007	0.012	0.000000	0.000000	-758.95	-1730
1	FID		ACIS-S-4	7.20	6239	1.000	0.145	0.057	0.007	0.013	0.000000	0.000000	2154.47	178
2	FID		ACIS-S-5	7.23	6239	1.000	-0.105	0.036	0.008	0.013	0.000000	0.000000	-1811.70	172
3	GUIDE	used	1131682008	7.33	12478	1.000	-0.153	0.134	0.056	0.085	175.220414	-55.098474	-1654.05	-109
4	GUIDE	used	1131682760	8.62	12472	1.000	-0.004	-0.077	0.069	0.115	174.263840	-55.338988	-643.70	-2003
5	GUIDE	used	1131684312	6.96	12476	1.000	-0.075	-0.038	0.054	0.077	174.289768	-55.463596	-200.88	-1914
6	GUIDE	used	1131677648	9.01	12474	1.000	0.232	-0.077	0.084	0.139	174.165433	-56.141549	2252.63	-1964
7	GUIDE	used	1131689920	7.47	12476	1.000	-0.001	0.058	0.052	0.083	176.188890	-55.819402	816.18	2021

2.4 Star Slots

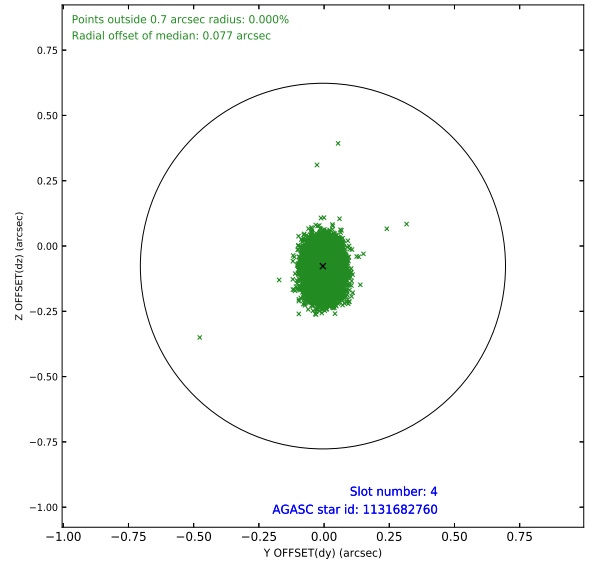
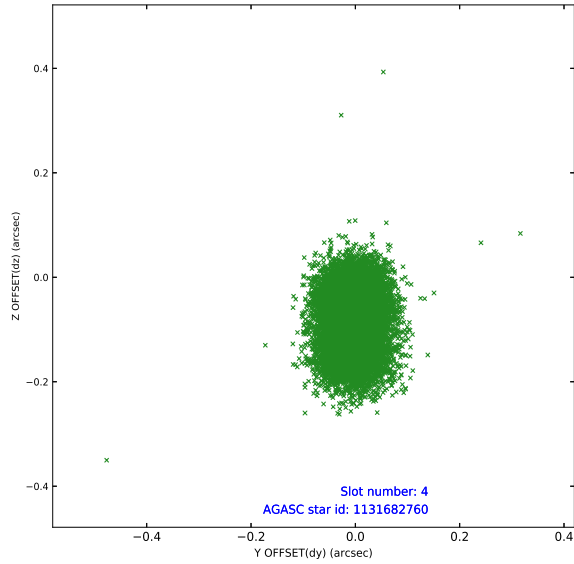
2.4.1 Slot 3



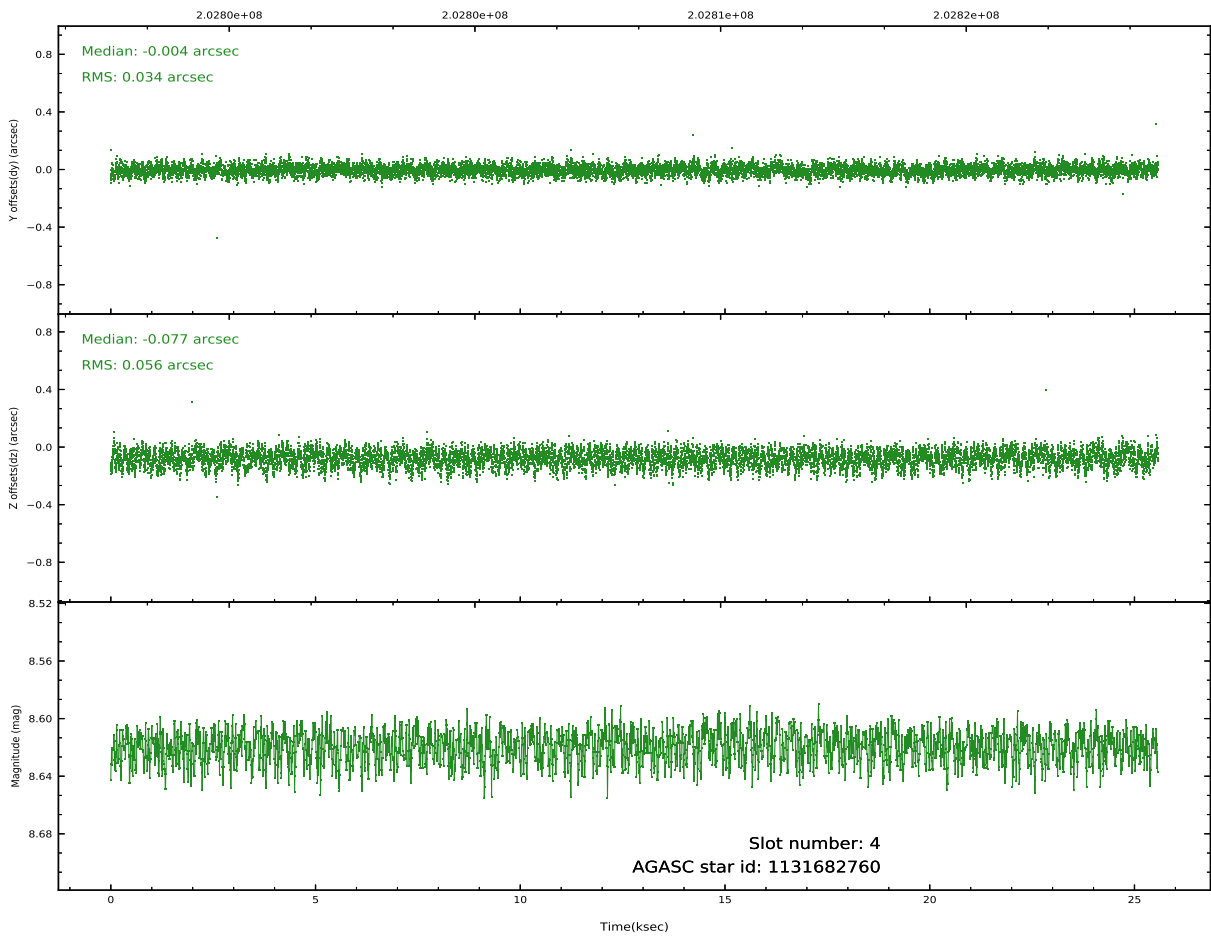
Time (s)



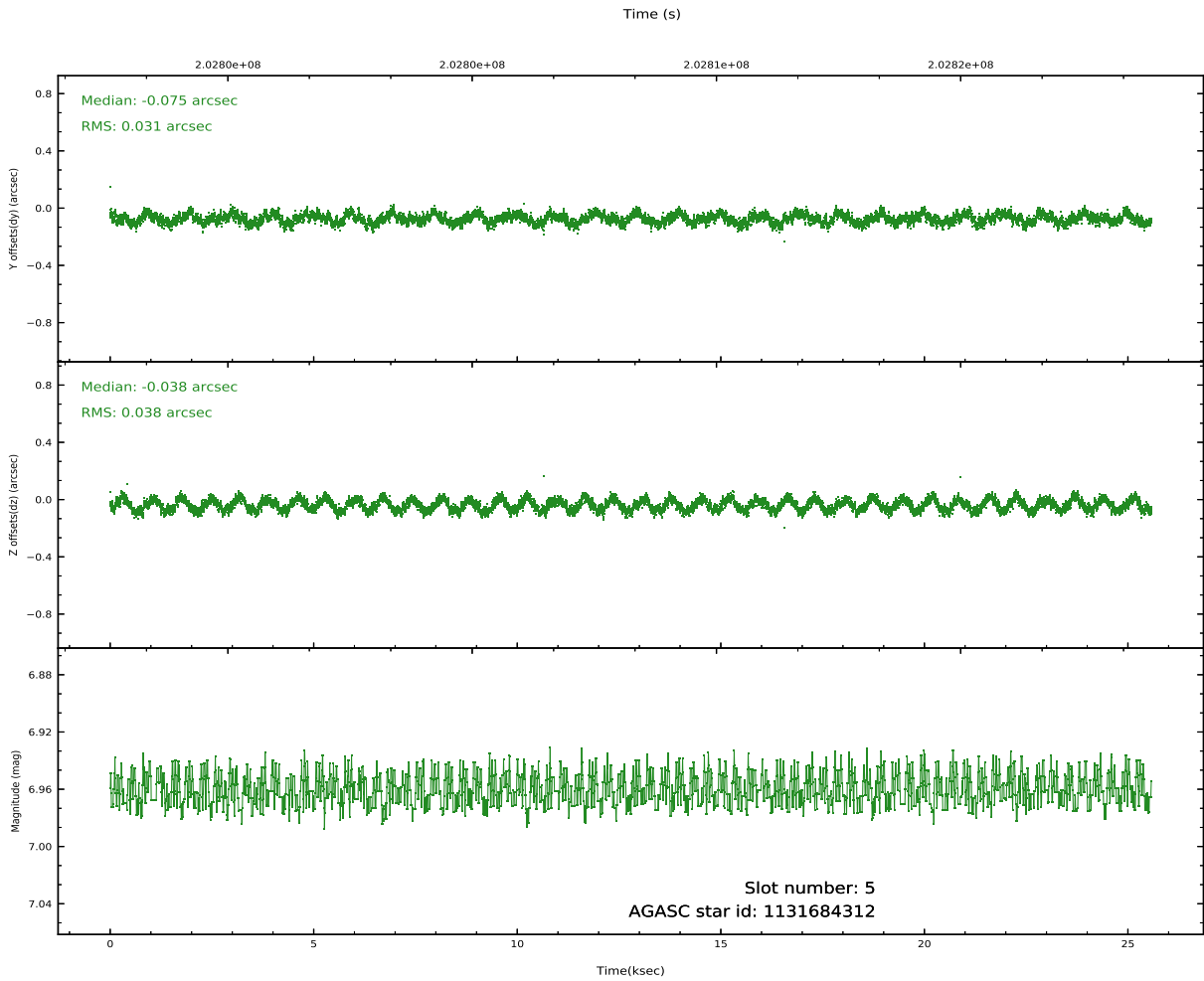
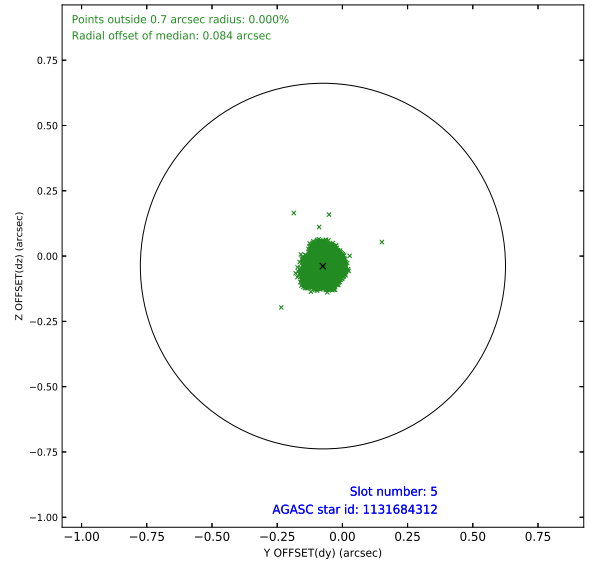
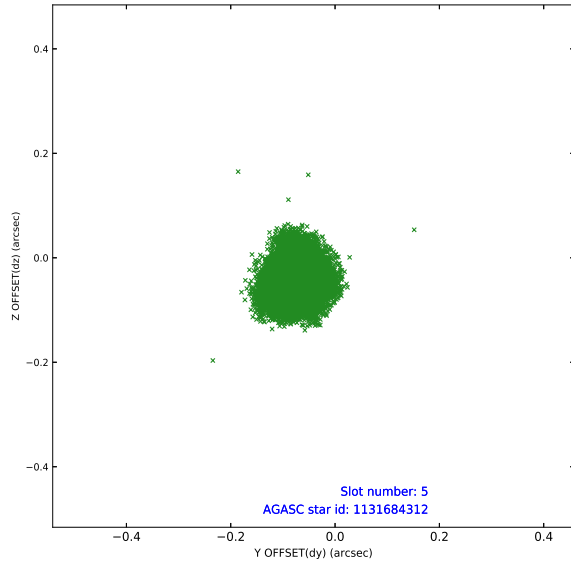
2.4.2 Slot 4



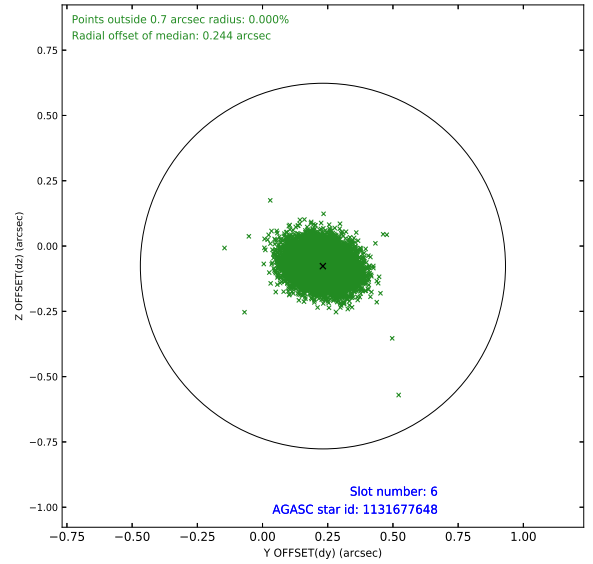
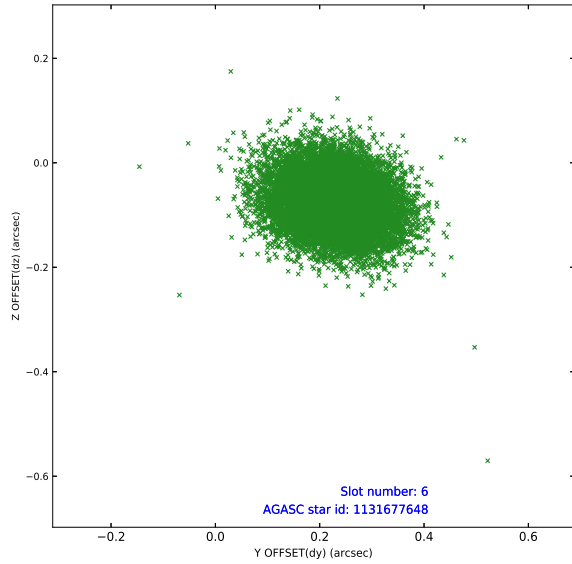
Time (s)



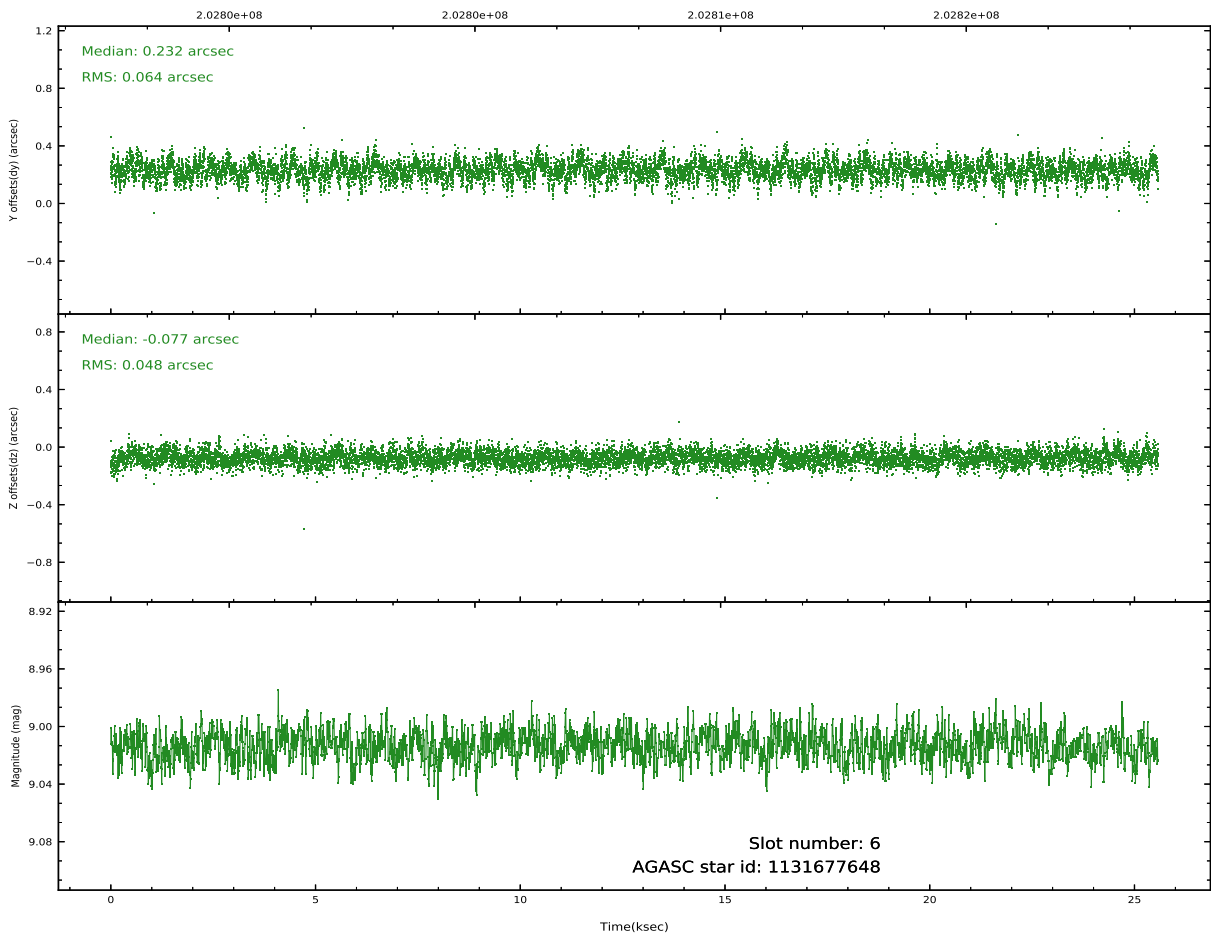
2.4.3 Slot 5



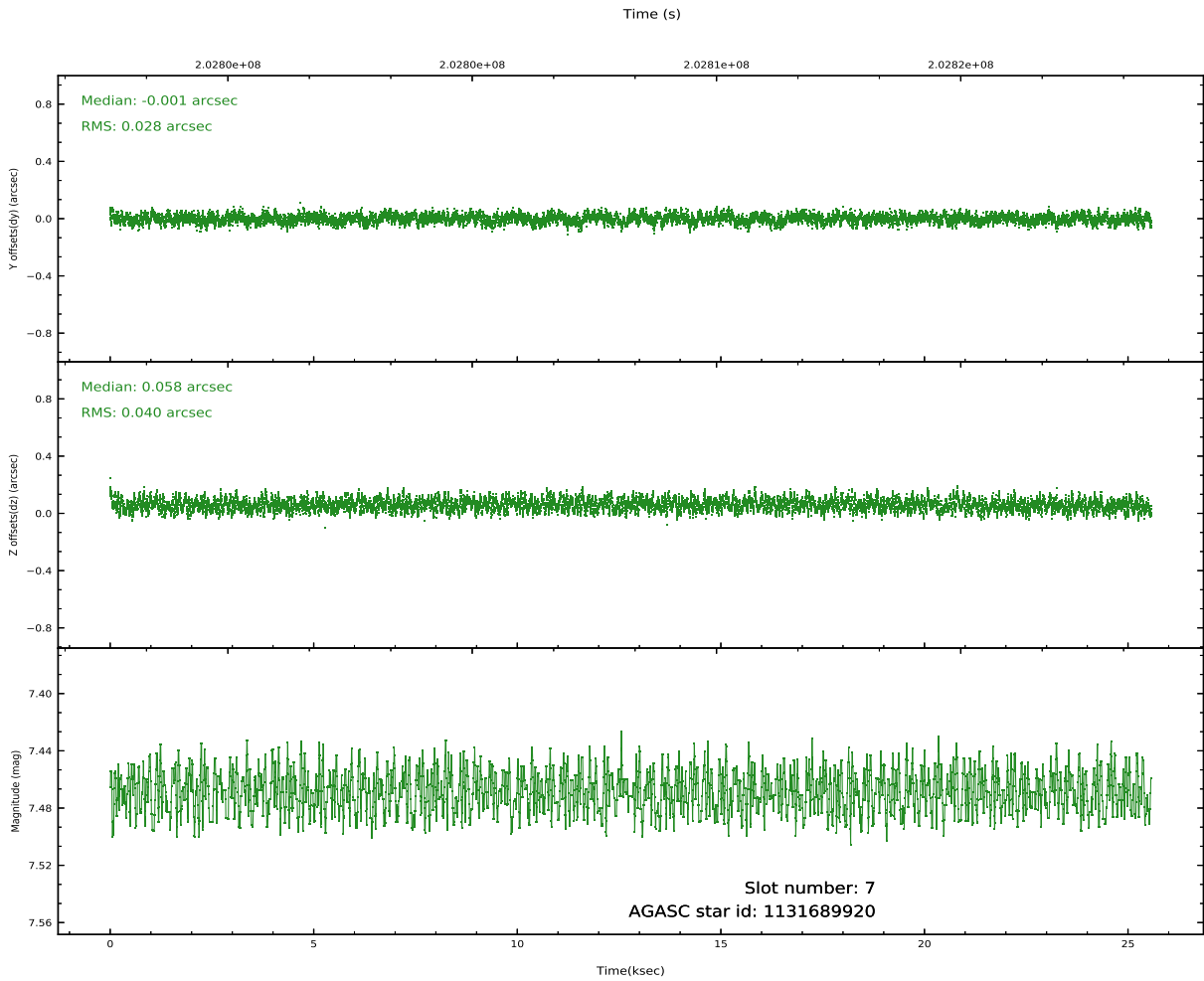
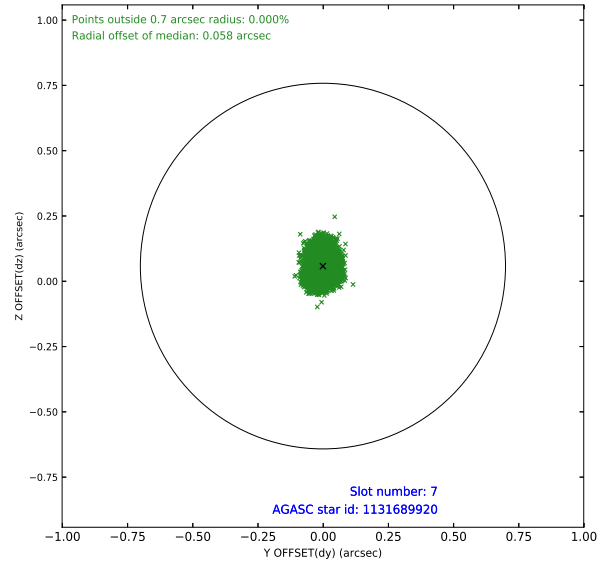
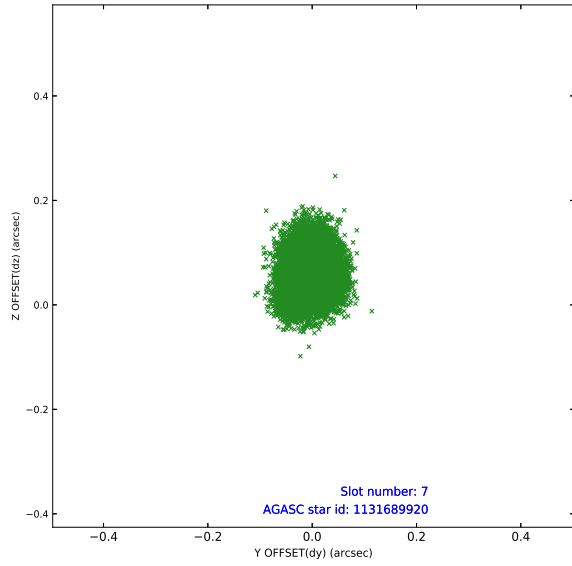
2.4.4 Slot 6



Time (s)

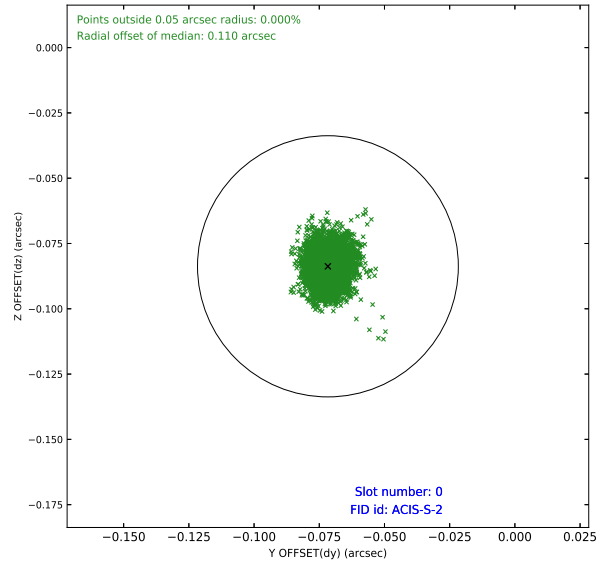
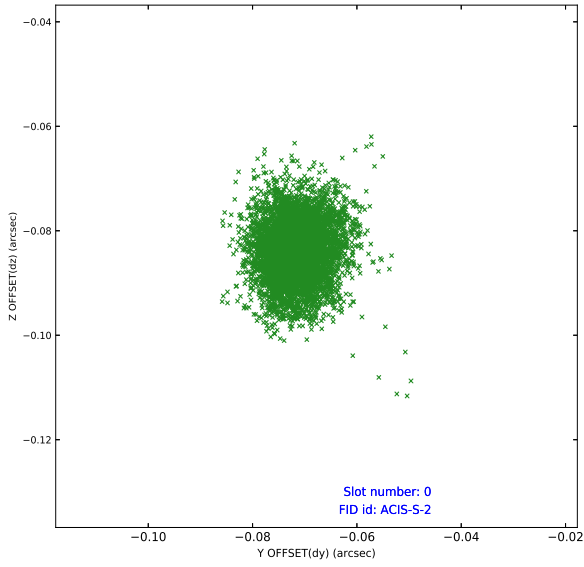


2.4.5 Slot 7

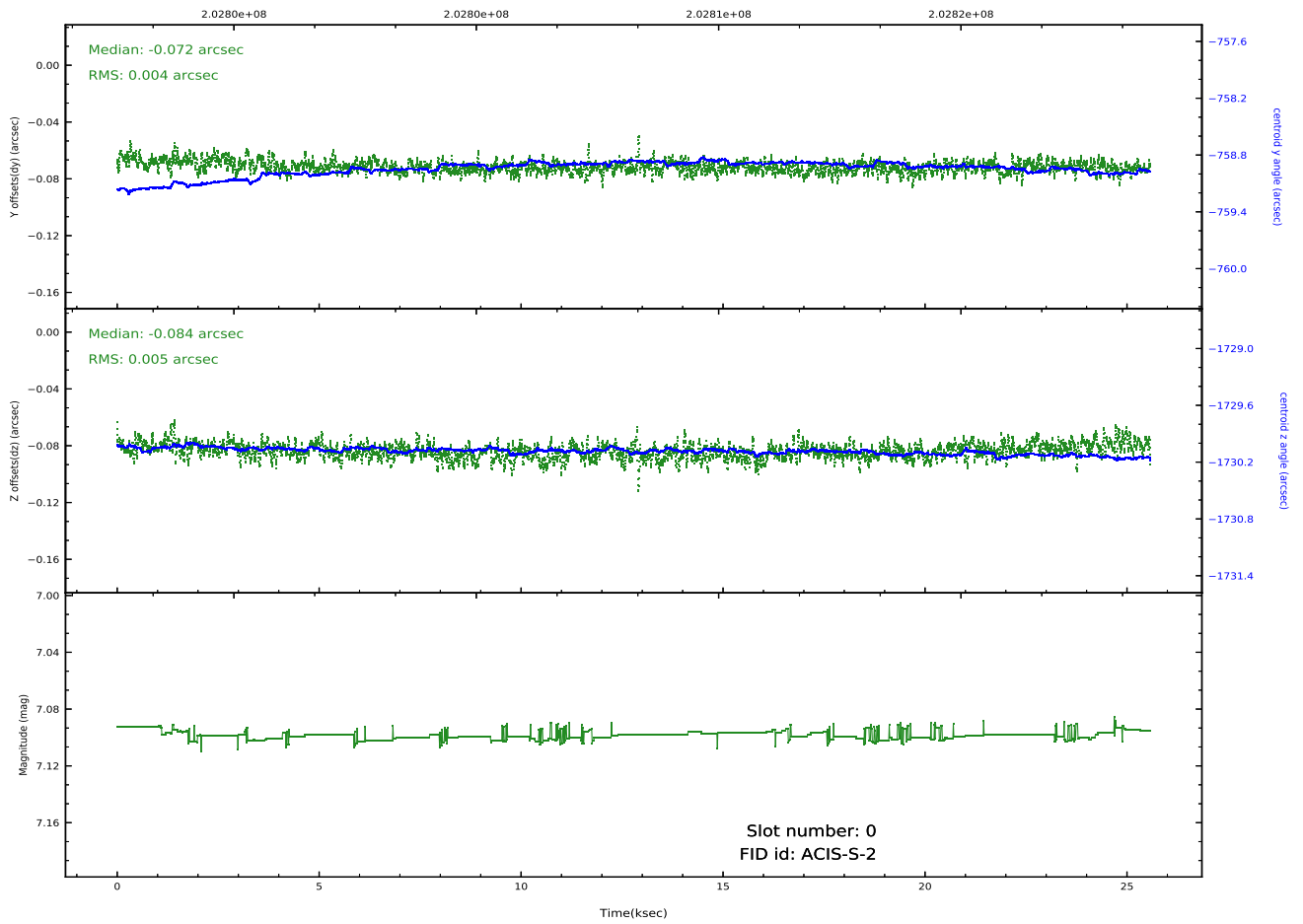


2.5 FID Slots

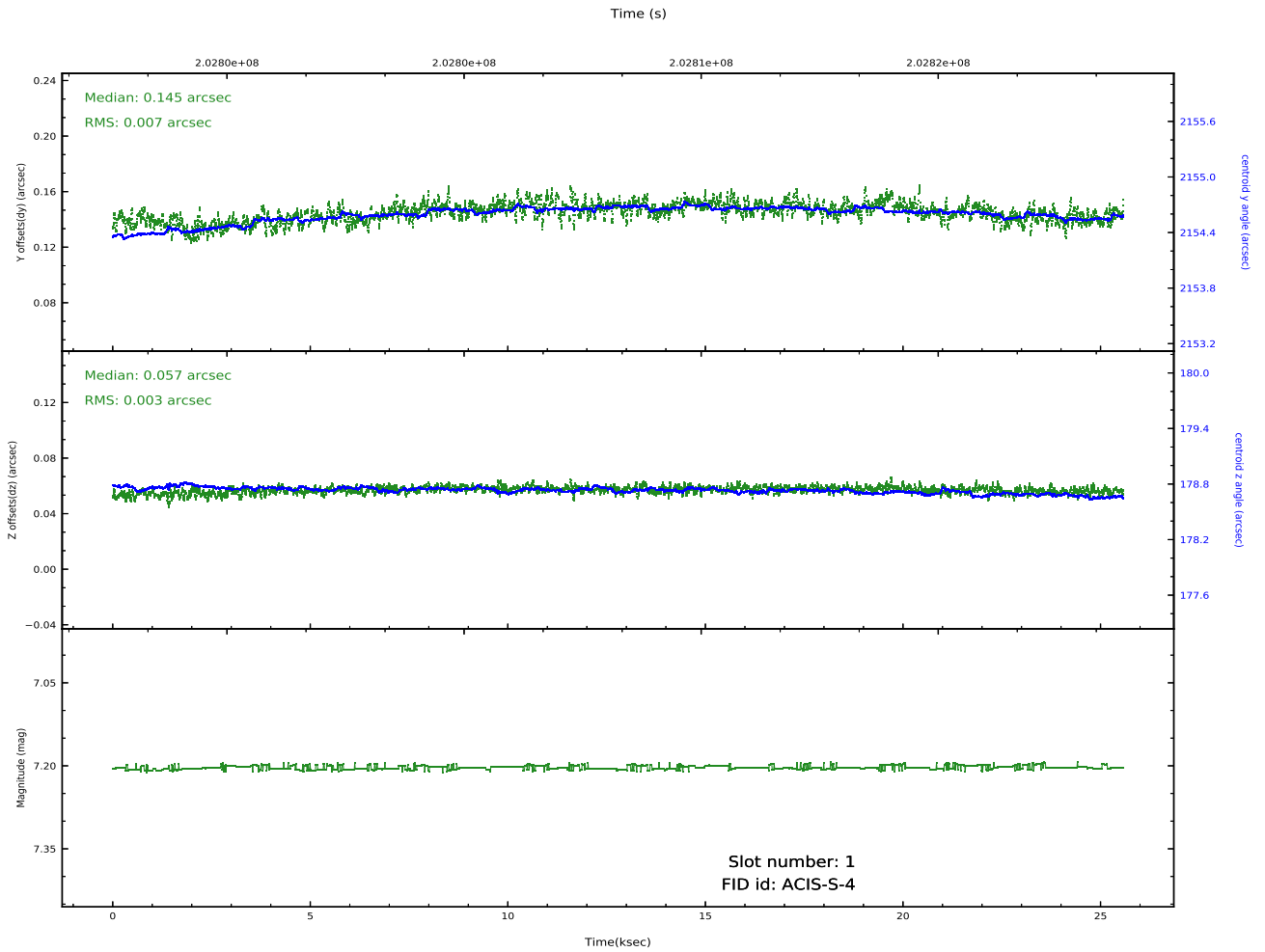
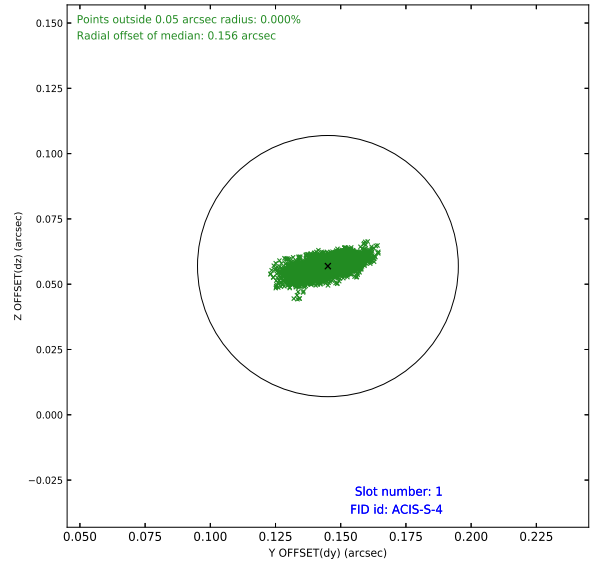
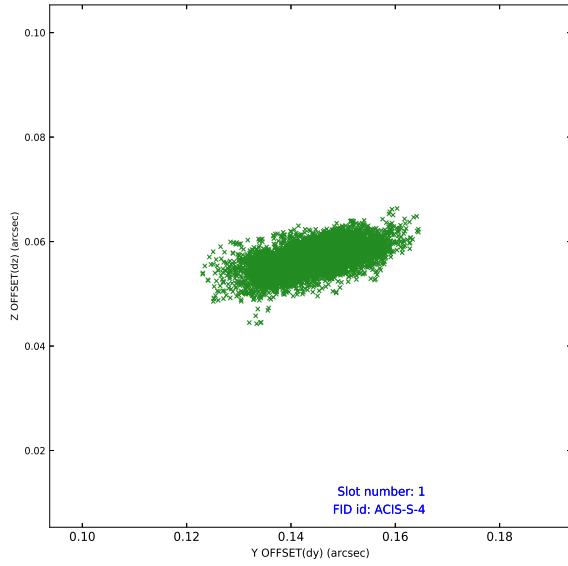
2.5.1 Slot 0



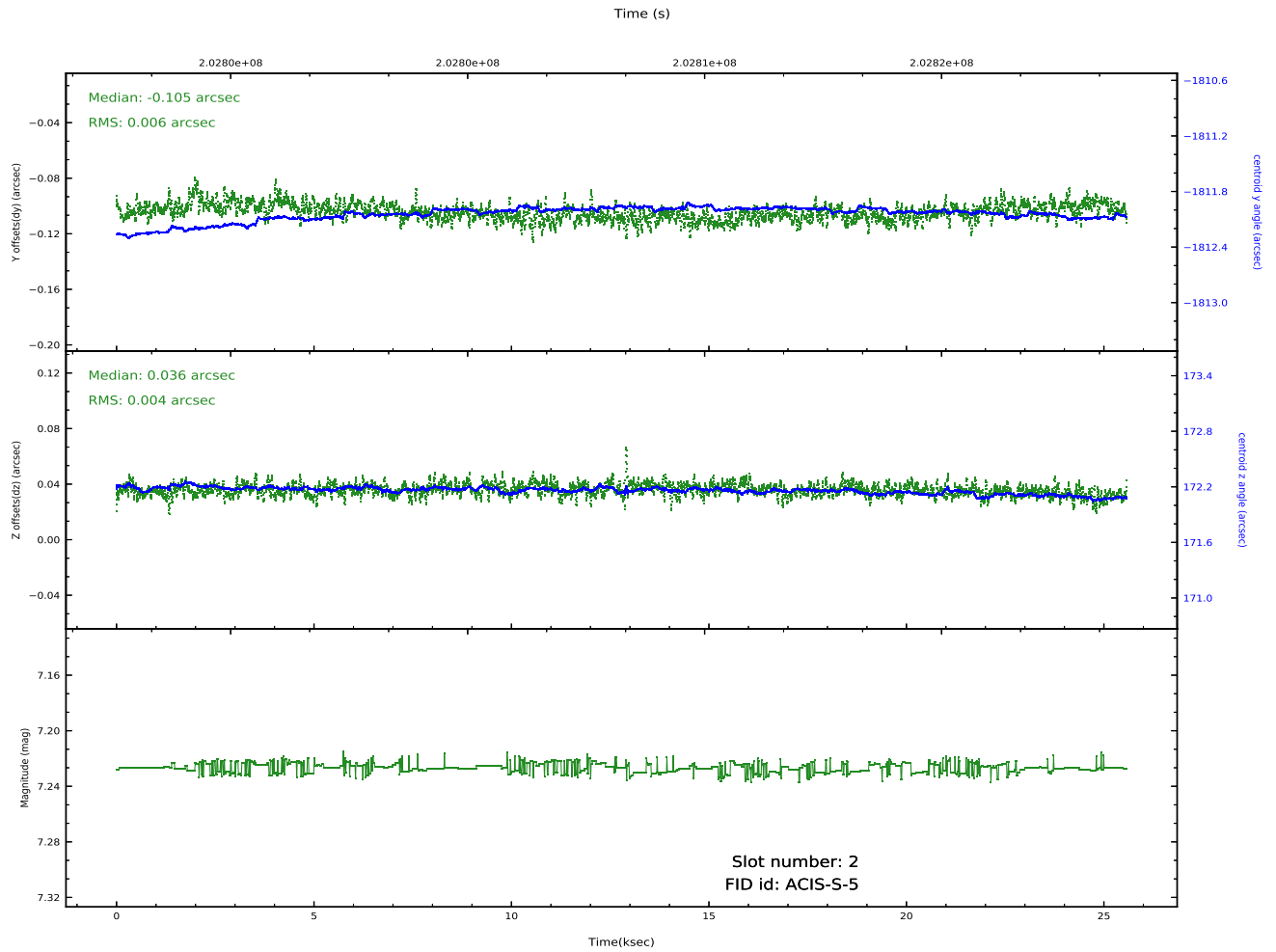
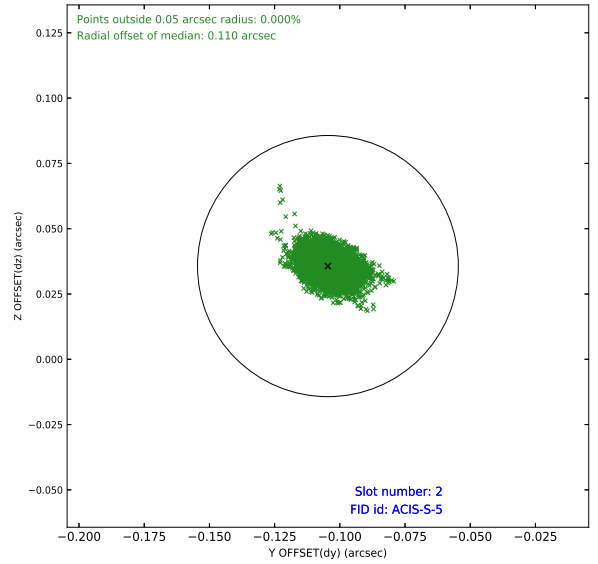
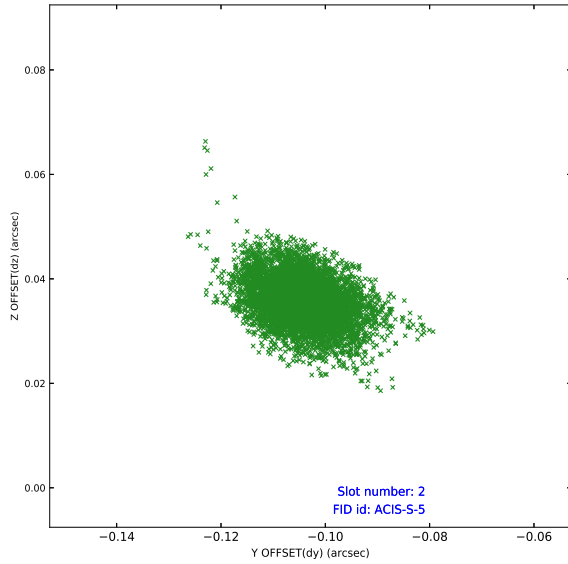
Time (s)



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.956

A.2 Comments