

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5702 - L2 Version 4
Chandra X-Ray Center

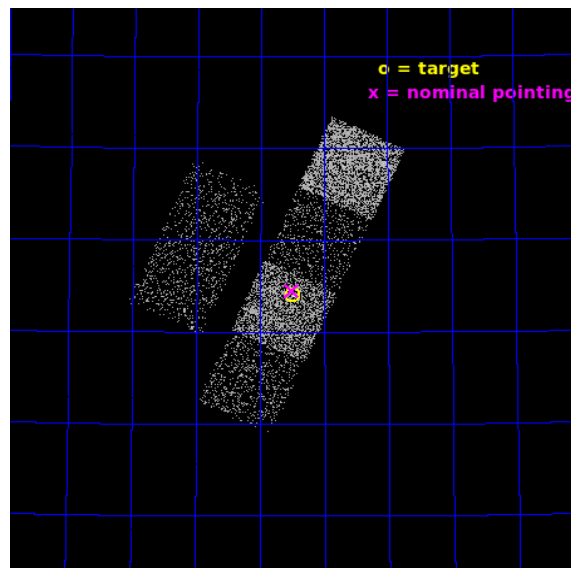
L2 Processing Date : Oct 5 2020

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1 Front

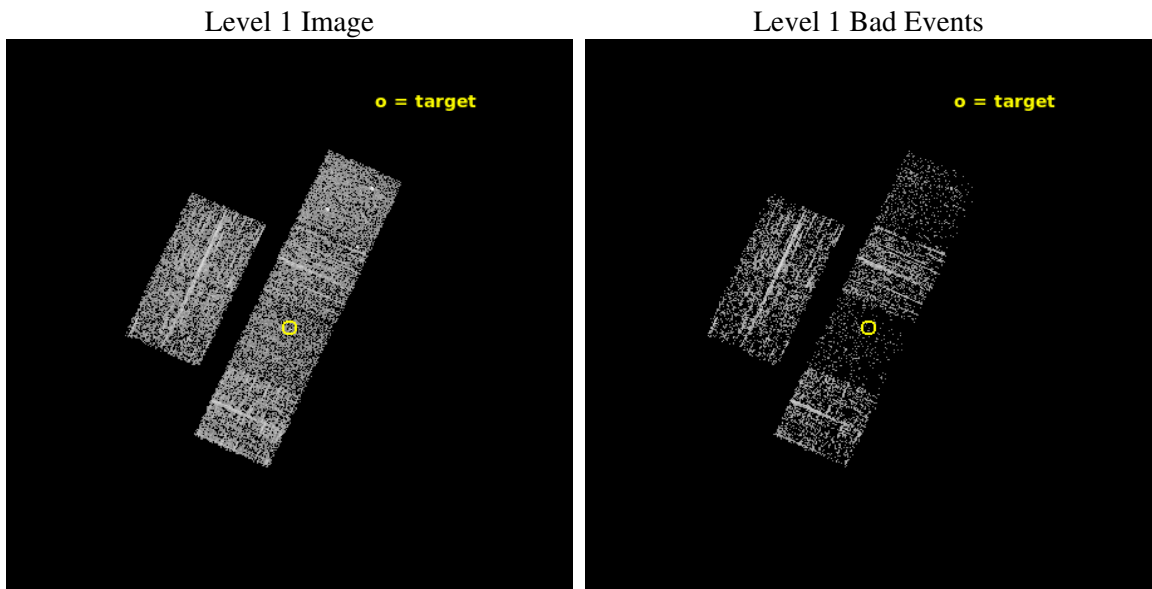
seq_num	701124	Sequence number
obs_id	5702	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J095929.89+633359.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.874583	Observer's specified target RA [deg]
dec_targ	63.566639	Observer's specified target Dec [deg]
ra_nom	149.87692069129	Nominal RA [deg]
dec_nom	63.575286488408	Nominal Dec [deg]
roll_nom	114.3007858914	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1545.5999942422	Sum of GTIs [s]
livetime	1526.0286764665	Livetime [s]
ontime2	1545.5999942422	Sum of GTIs [s]
ontime3	1545.5999942422	Sum of GTIs [s]
ontime5	1545.5999942422	Sum of GTIs [s]
ontime6	1545.5999942422	Sum of GTIs [s]
ontime7	1545.5999942422	Sum of GTIs [s]
ontime8	1545.5999942422	Sum of GTIs [s]
l2events	9705	Number of level 2 events



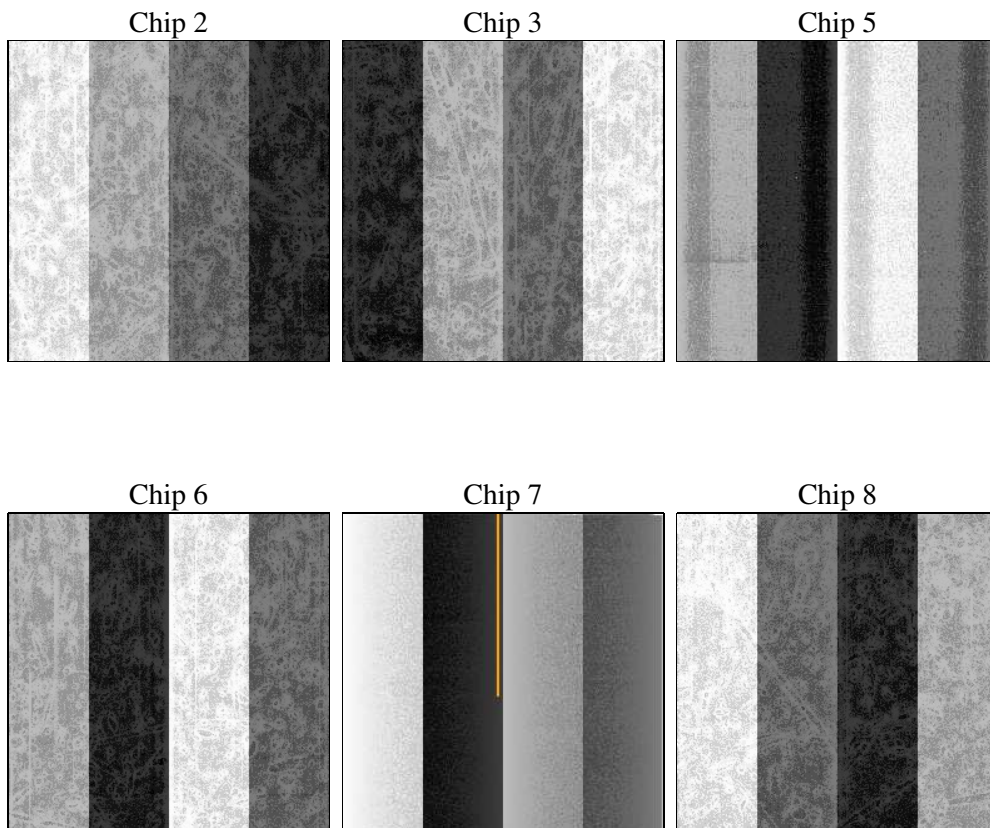
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1545.5999942422	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	1545.5999942422	Sum of GTIs [s]
date	2020-10-05T19:29:34	Date and time of file creation	ontime3	1545.5999942422	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1545.5999942422	Sum of GTIs [s]
			ontime6	1545.5999942422	Sum of GTIs [s]
			ontime7	1545.5999942422	Sum of GTIs [s]
			ontime8	1545.5999942422	Sum of GTIs [s]
			l1events	49061	Number of level 1 events

2.1.4 Events

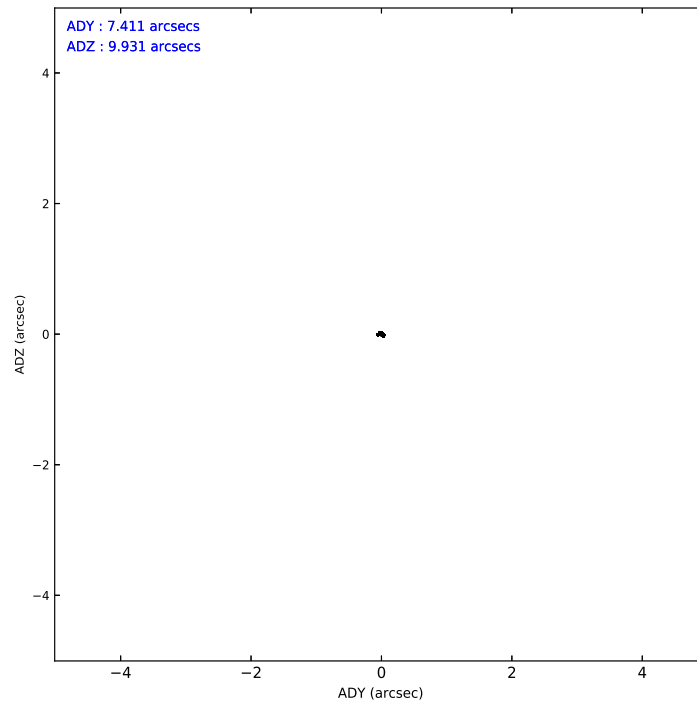
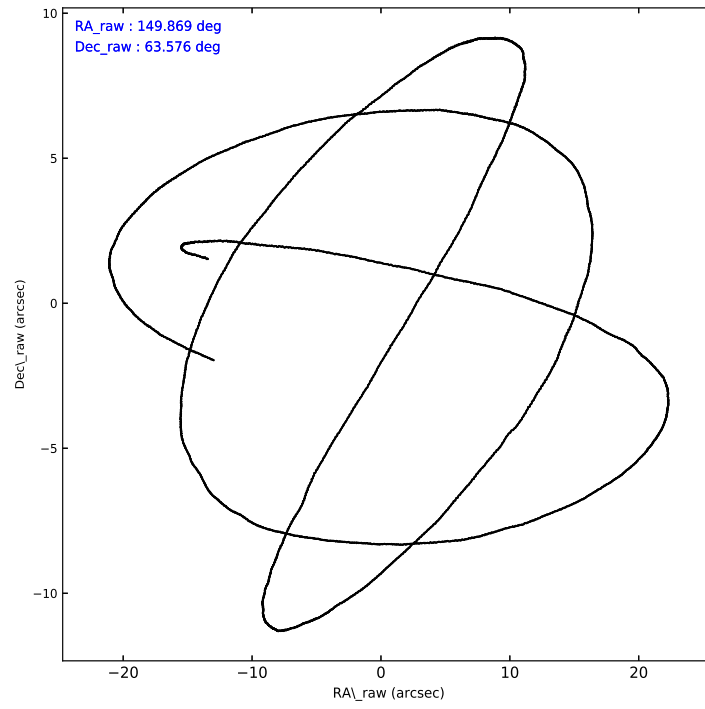
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	9903	7914	7798	8284	4994	10168
rejected events	9160	7147	2793	7448	1935	7386
rejected %	92%	90%	35%	89%	38%	72%

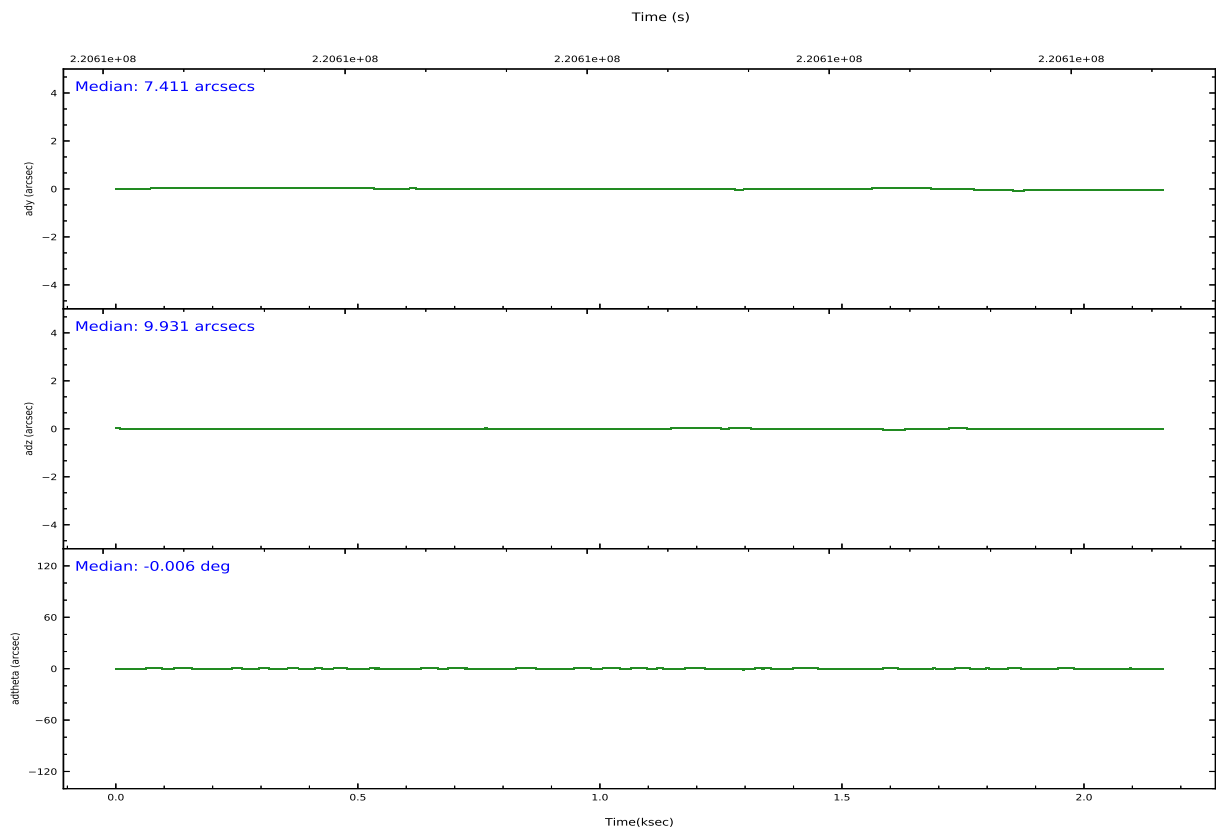
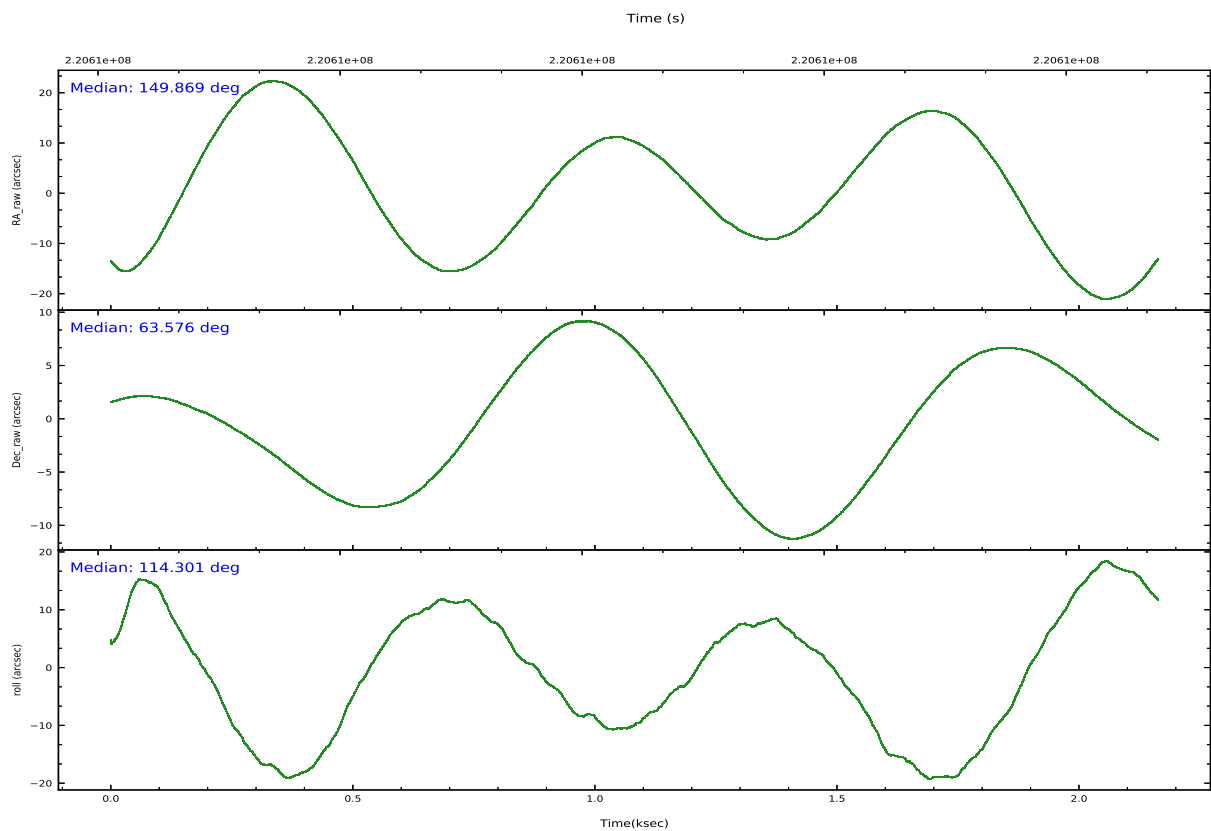
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	315	347	898	380	413	915
	3%	4%	11%	4%	8%	8%
grade 1 events	2	9	51	9	10	8
	0%	0%	0%	0%	0%	0%
grade 2 events	174	153	1547	158	740	564
	1%	1%	19%	1%	14%	5%
grade 3 events	72	83	294	91	297	358
	0%	1%	3%	1%	5%	3%
grade 4 events	86	81	291	86	317	324
	0%	1%	3%	1%	6%	3%
grade 5 events	135	139	634	169	482	230
	1%	1%	8%	2%	9%	2%
grade 6 events	97	109	1992	123	1309	629
	0%	1%	25%	1%	26%	6%
grade 7 events	9022	6993	2091	7268	1426	7140
	91%	88%	26%	87%	28%	70%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	149.919406	149.87692069129	Subarray requested	NONE	NONE
[deg] Pointing Dec	63.560421	63.575286488408	Alternating exposures requested	N	N
[deg] Pointing Roll	114.098317	114.3007858914	[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)	220610690.184000	220609442.43529			
Observation start date	2004-12-28T08:43:46	2004-12-28T08:24:02			
[s] Observation end time (MET)	220612190.184000	220613129.36046			
Observation end date	2004-12-28T09:08:46	2004-12-28T09:25:29			
Read mode	TIMED	TIMED			

2.3 Aspect



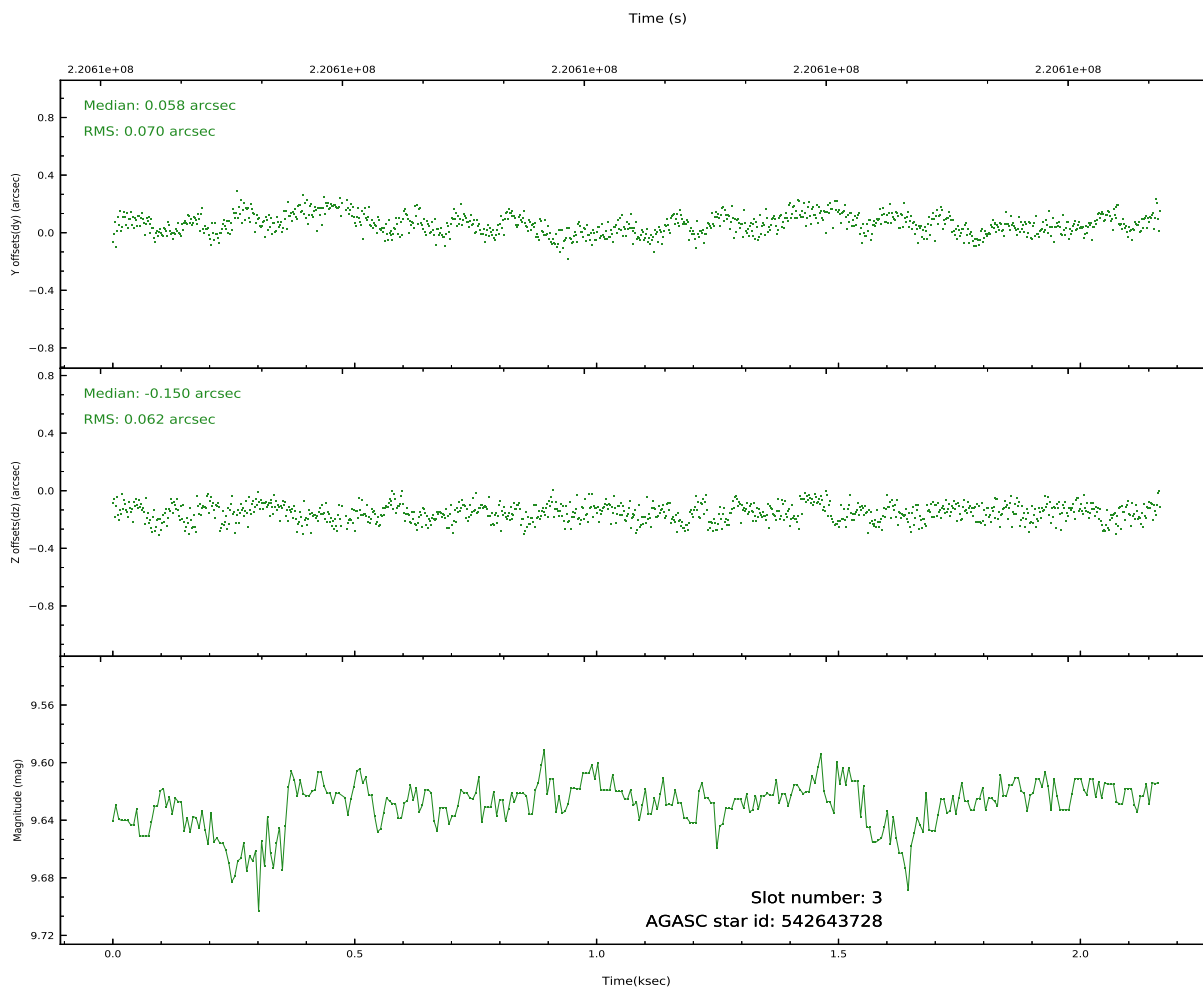
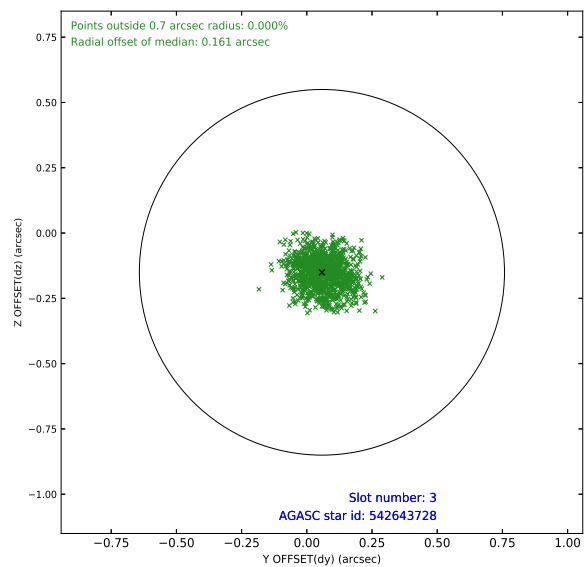
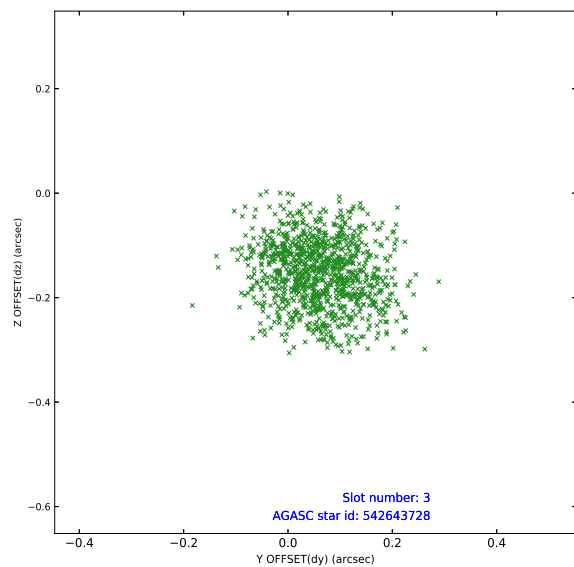


Slot Statistics

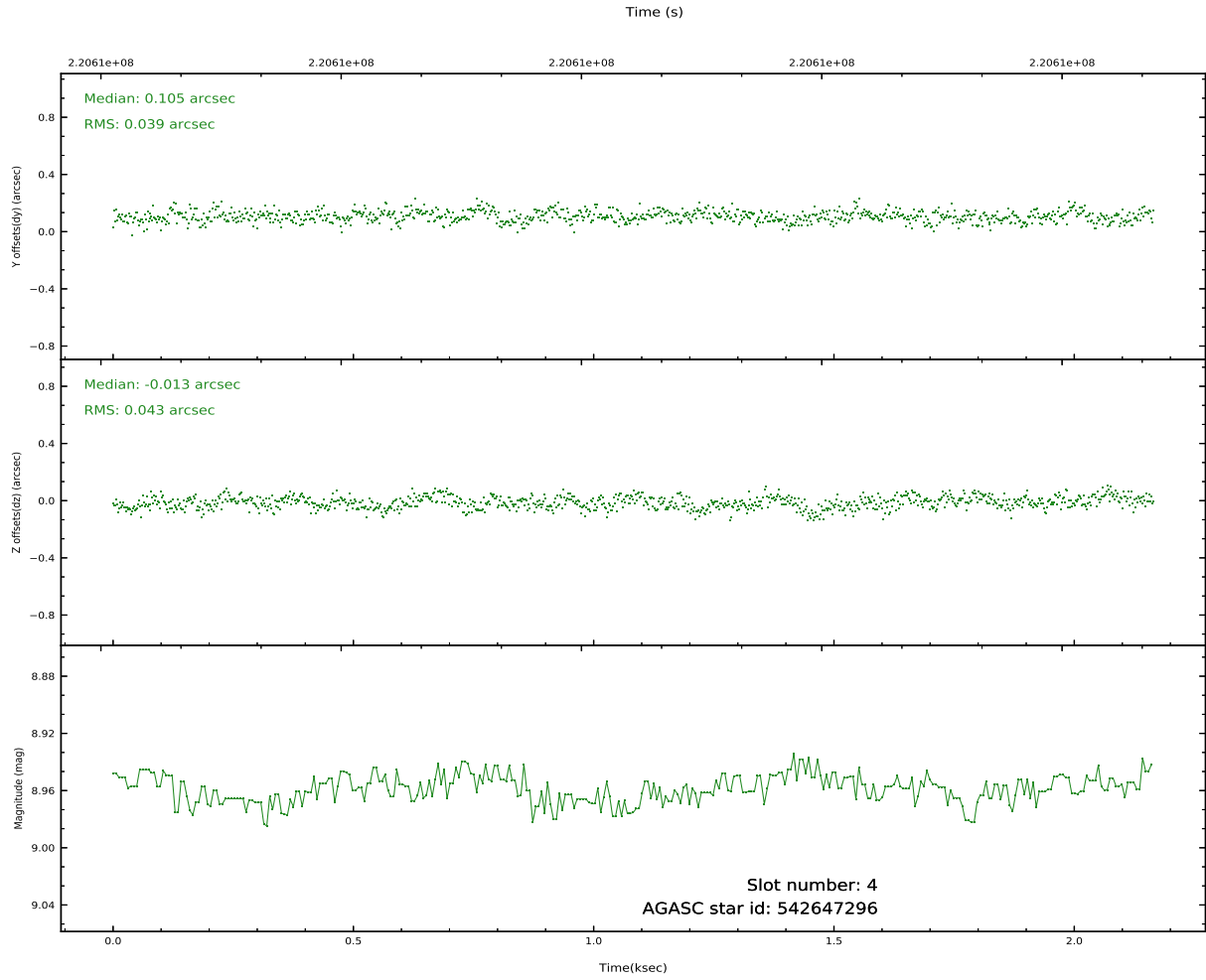
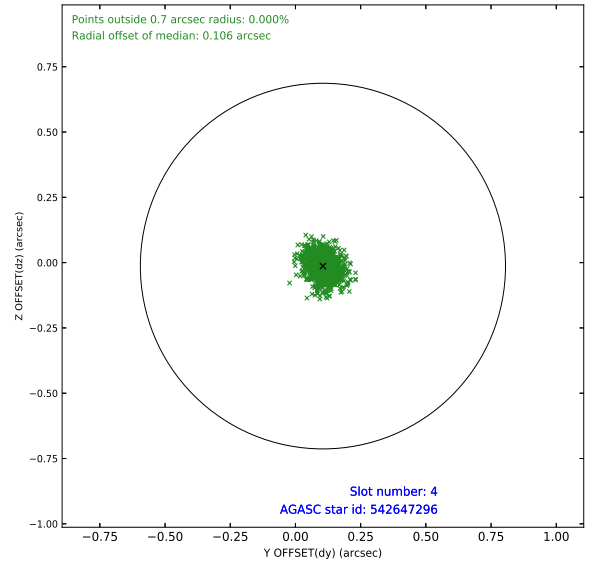
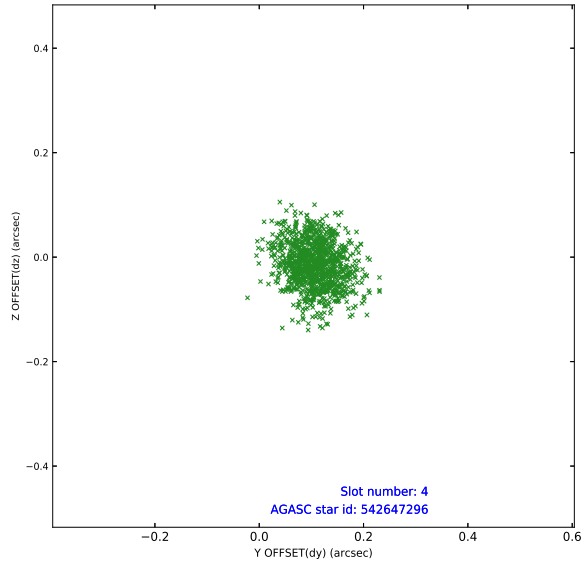
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	528	1.000	-0.080	-0.064	0.008	0.012	0.000000	0.000000	-760.18	-1731
1	FID		ACIS-S-4	7.21	528	1.000	0.160	0.056	0.006	0.011	0.000000	0.000000	2151.89	174
2	FID		ACIS-S-5	7.23	528	1.000	-0.111	0.017	0.007	0.013	0.000000	0.000000	-1809.25	171
3	GUIDE	used	542643728	9.63	1053	1.000	0.058	-0.150	0.102	0.156	148.677261	63.203163	-333.45	2357
4	GUIDE	used	542647296	8.96	1056	1.000	0.105	-0.013	0.062	0.102	150.192049	62.992562	-2047.65	429
5	GUIDE	used	542647800	9.14	1057	1.000	-0.076	-0.039	0.071	0.120	148.842955	63.723840	1248.40	1320
6	GUIDE	used	542648168	9.04	1057	1.000	-0.077	0.112	0.066	0.108	149.691594	63.875573	1184.72	-132
7	GUIDE	used	542648640	8.99	1053	1.000	-0.016	0.095	0.072	0.117	150.733711	63.548455	-563.78	-1177

2.4 Star Slots

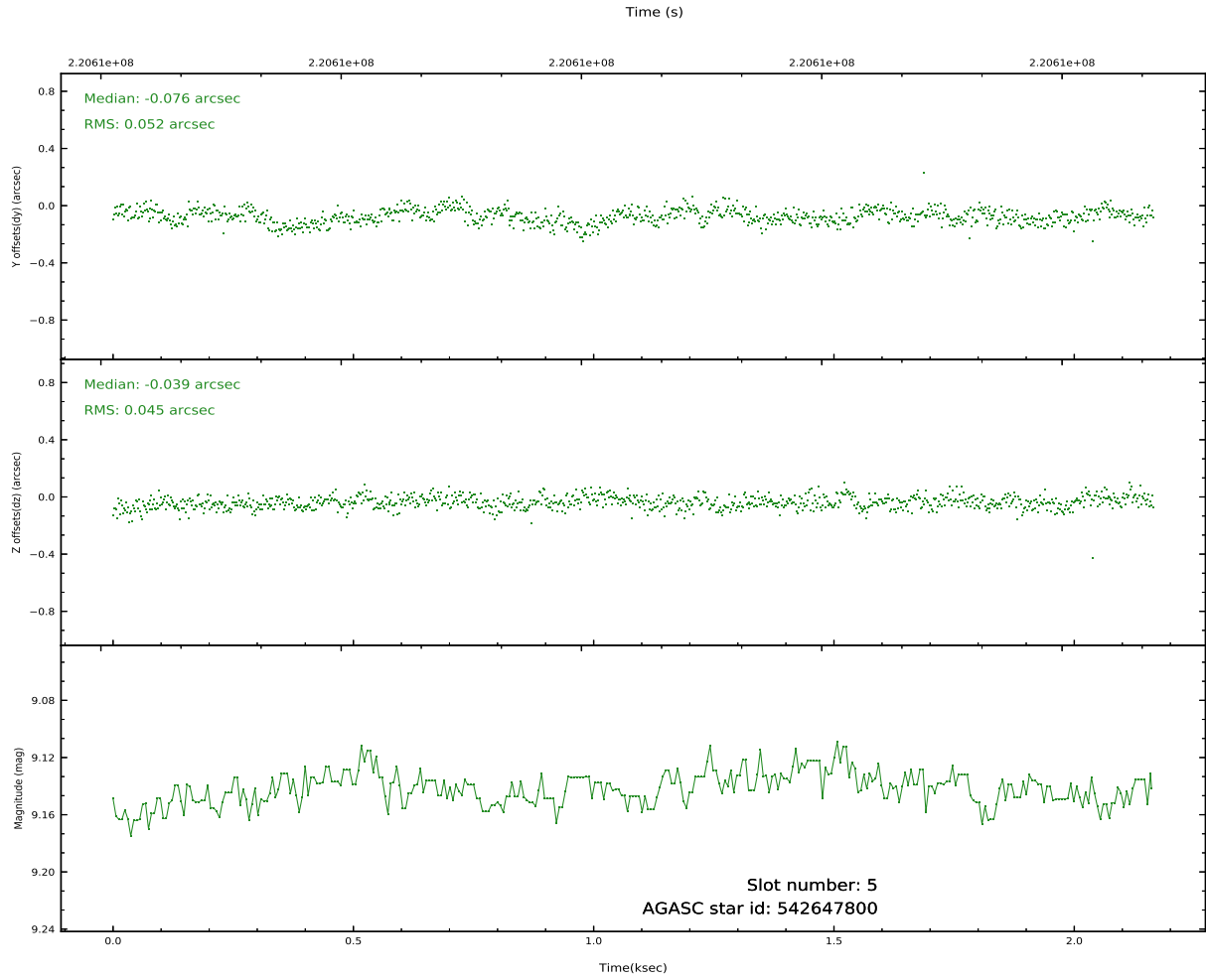
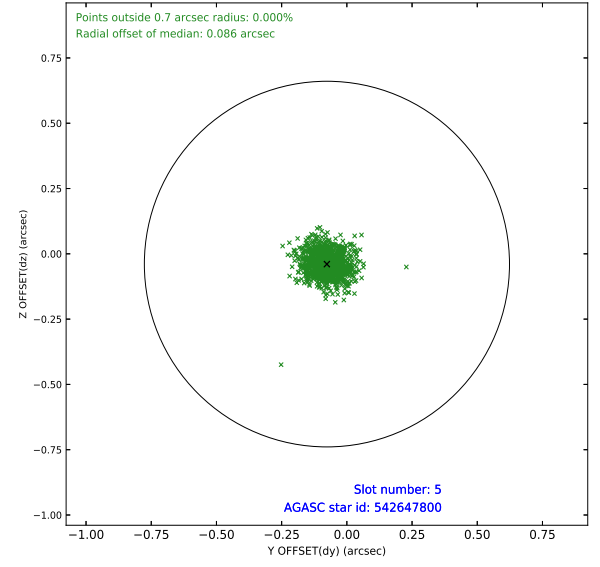
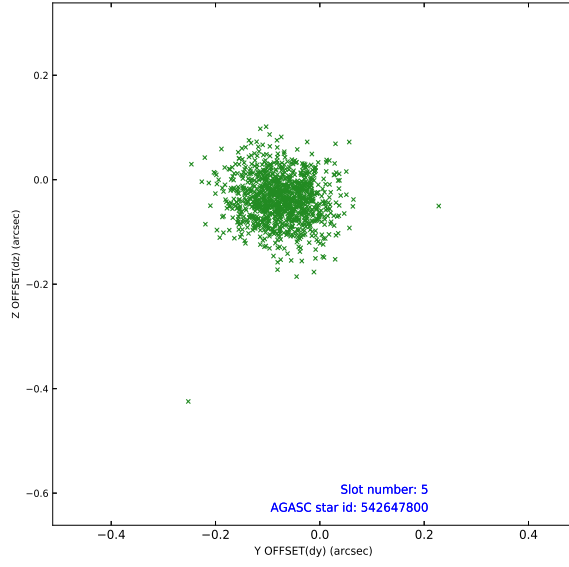
2.4.1 Slot 3



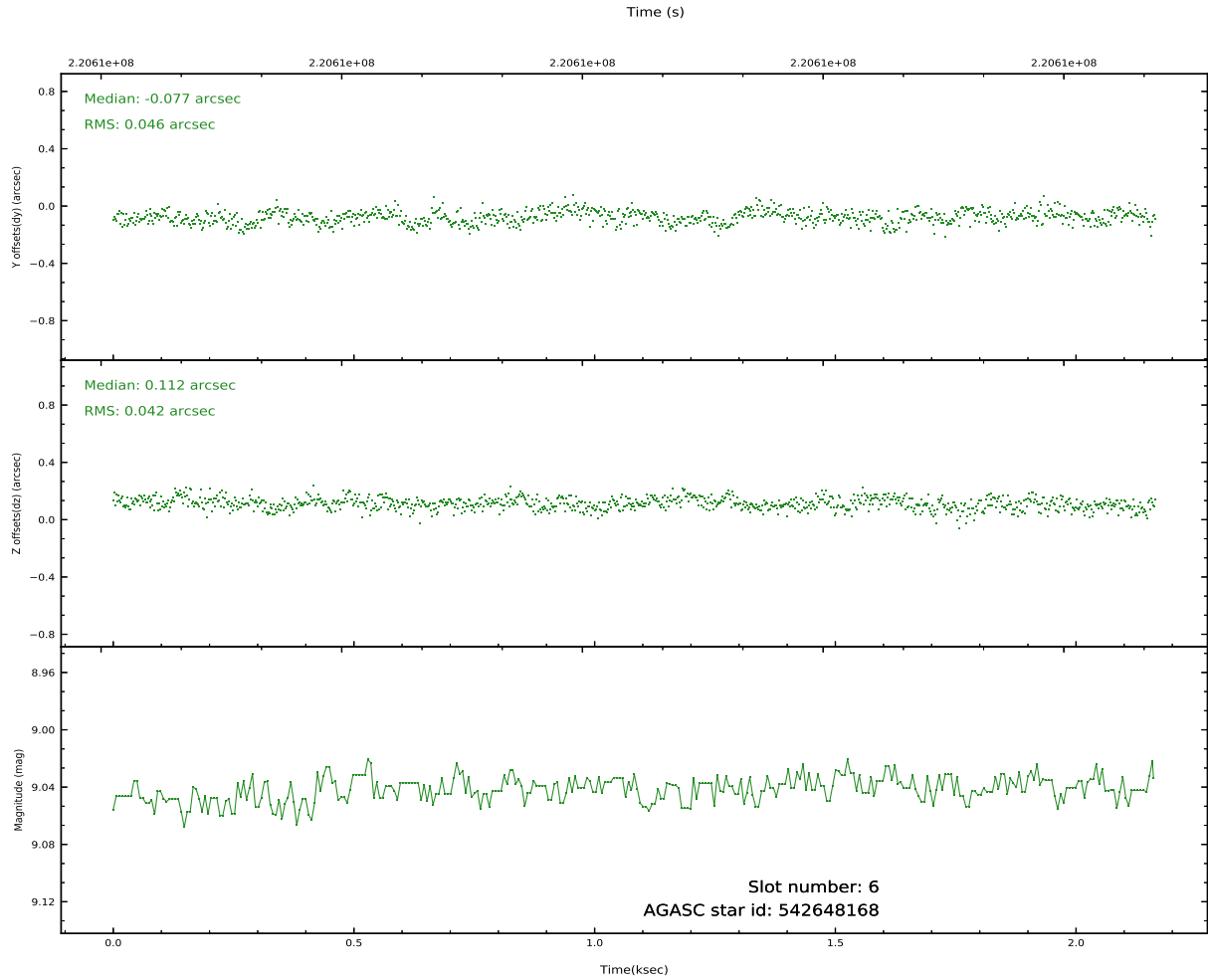
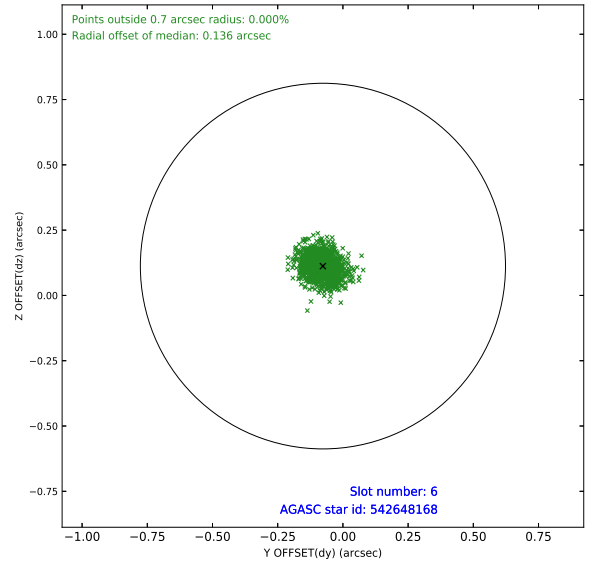
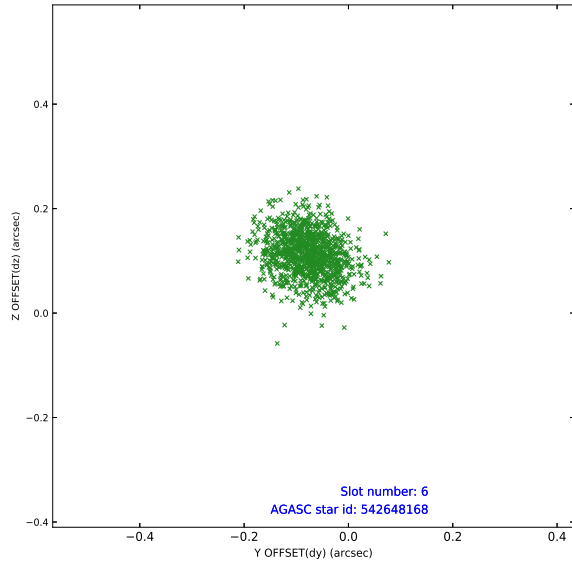
2.4.2 Slot 4



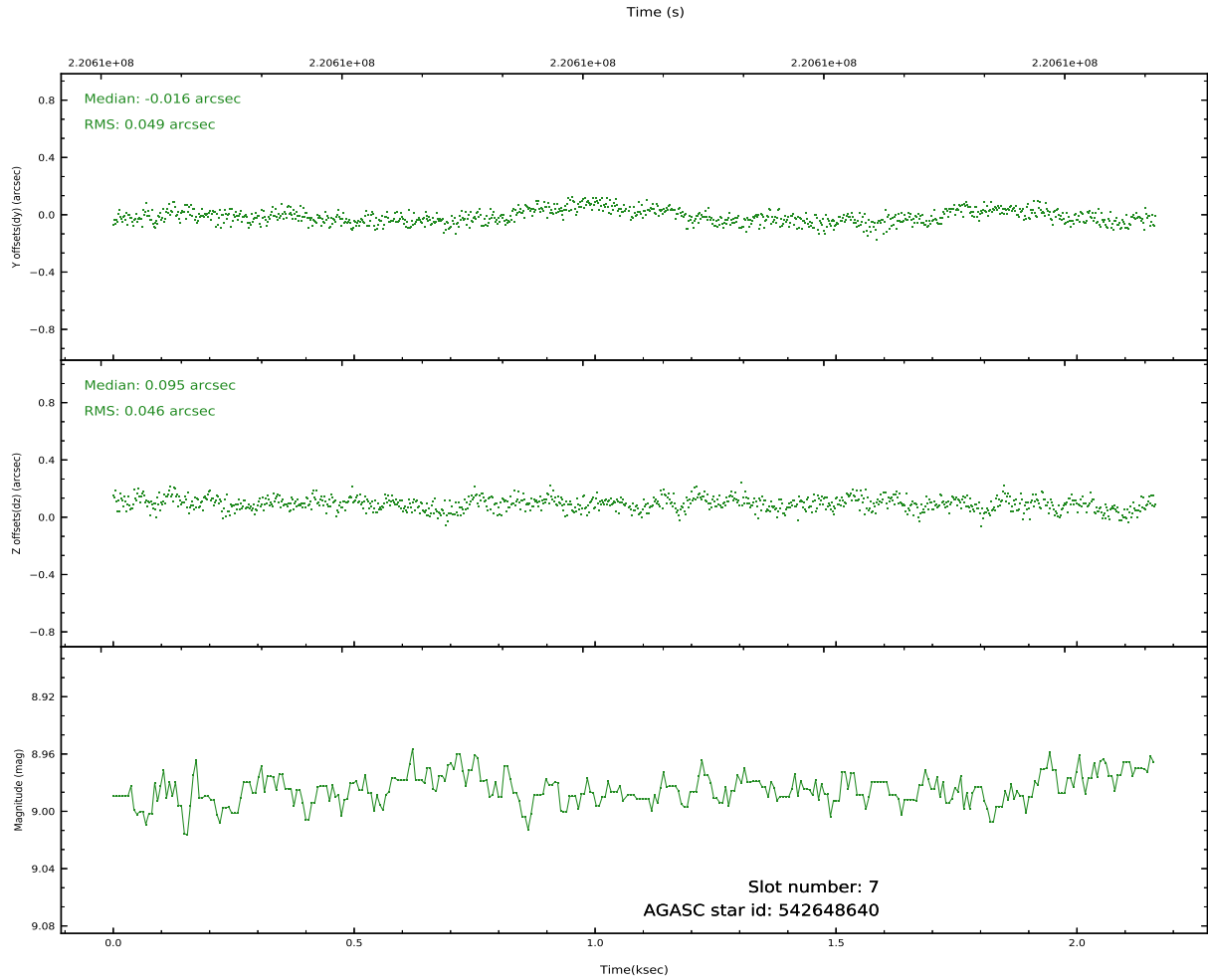
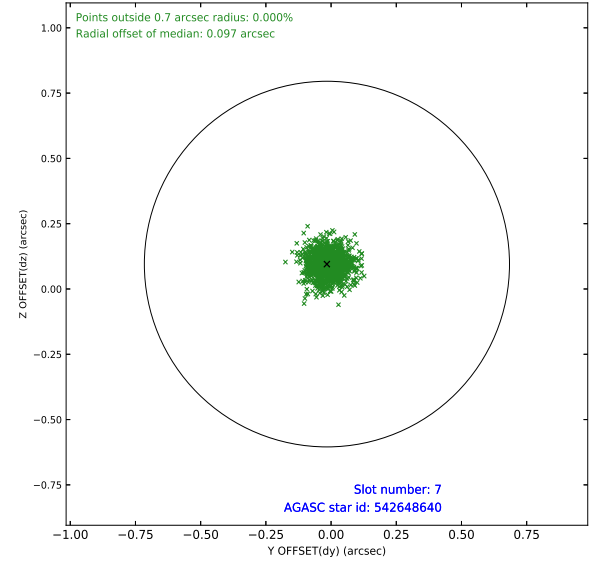
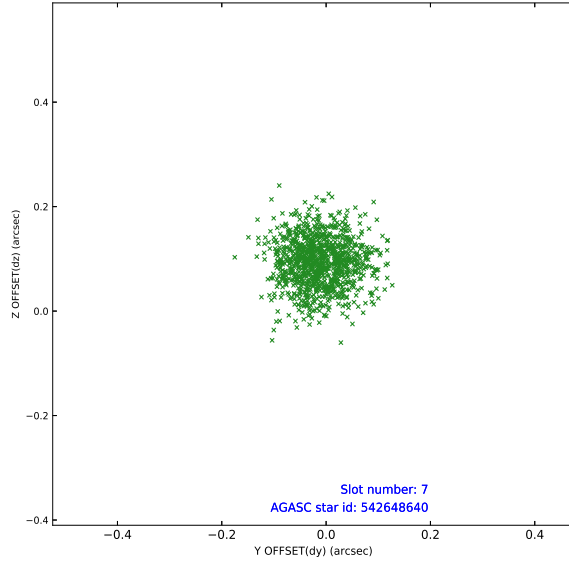
2.4.3 Slot 5



2.4.4 Slot 6

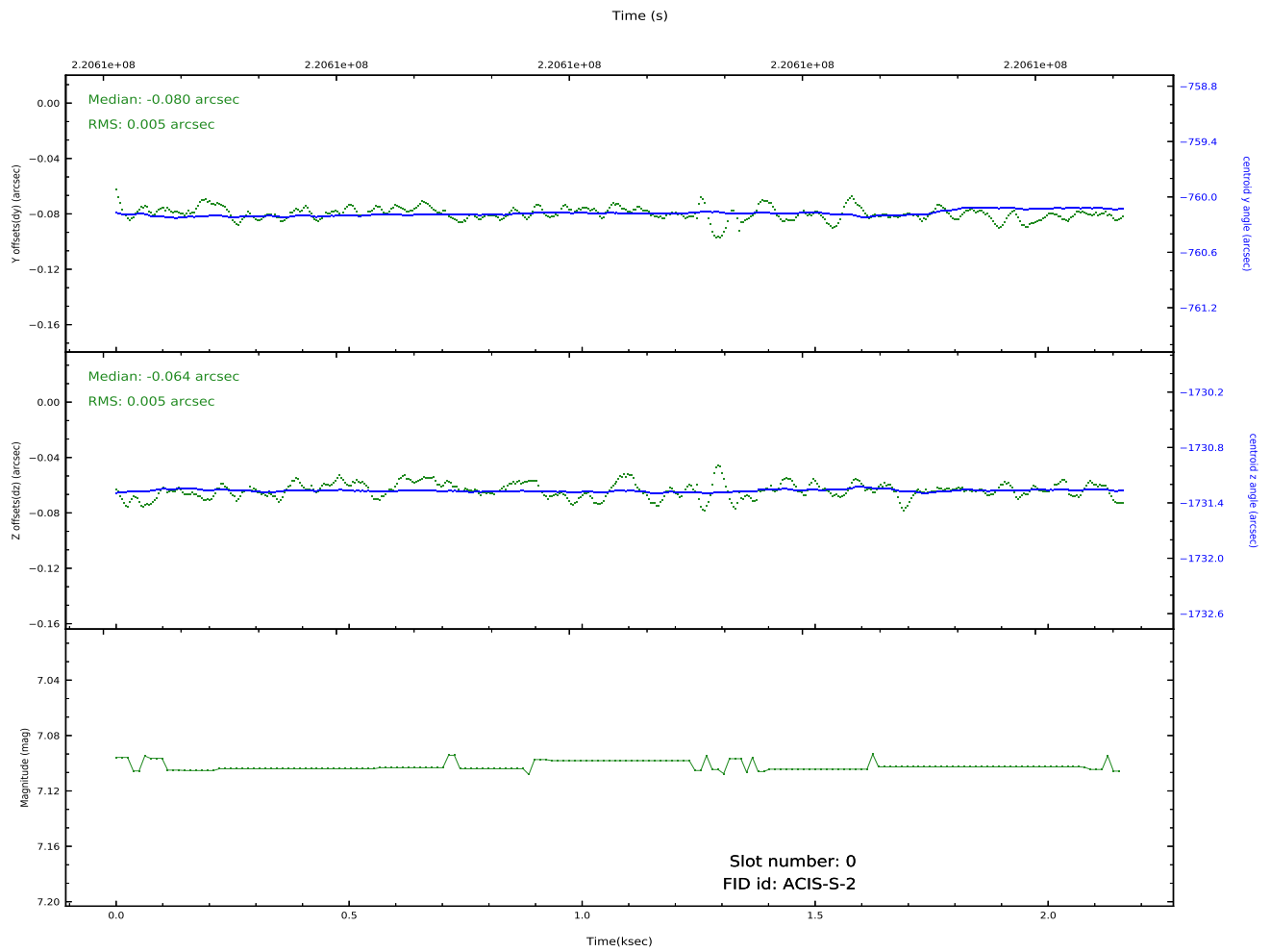
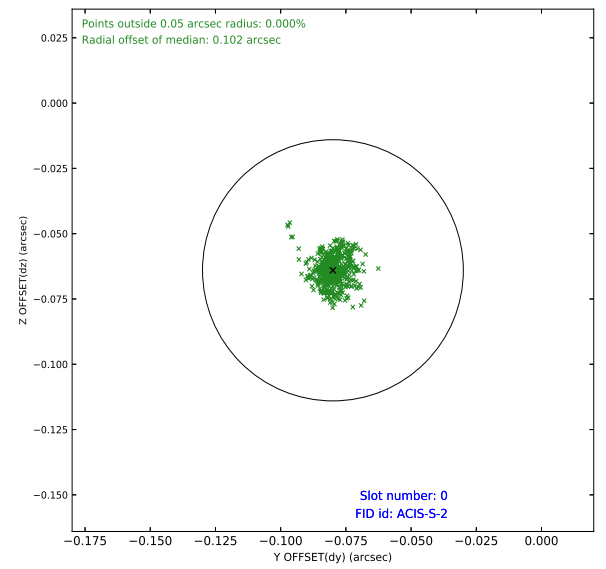
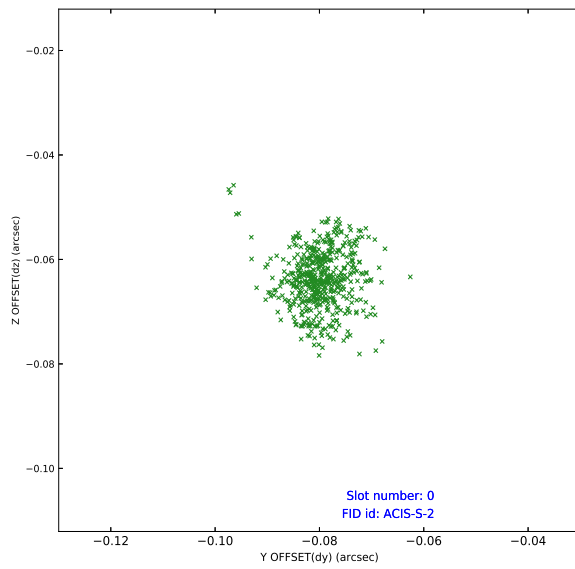


2.4.5 Slot 7

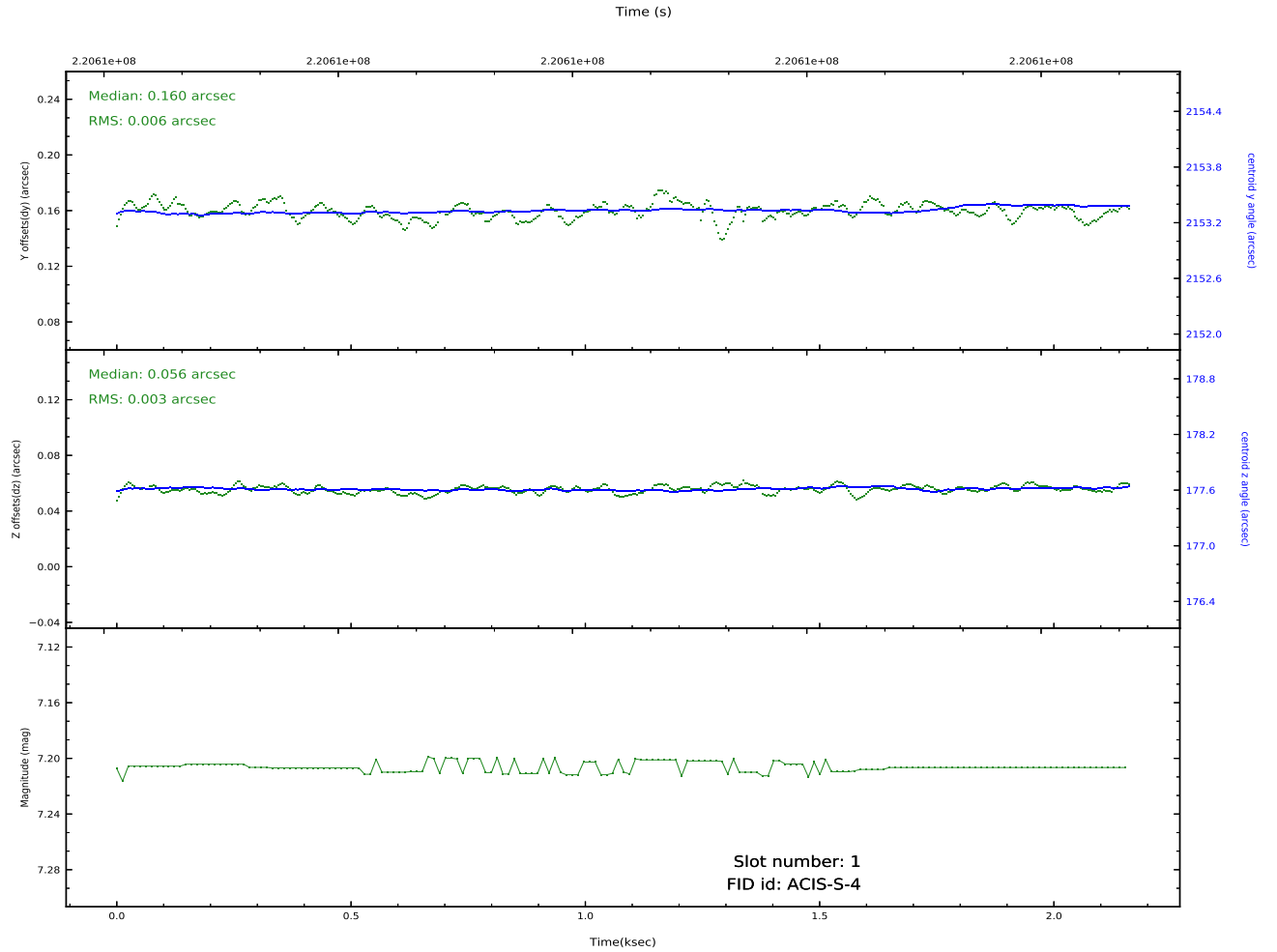
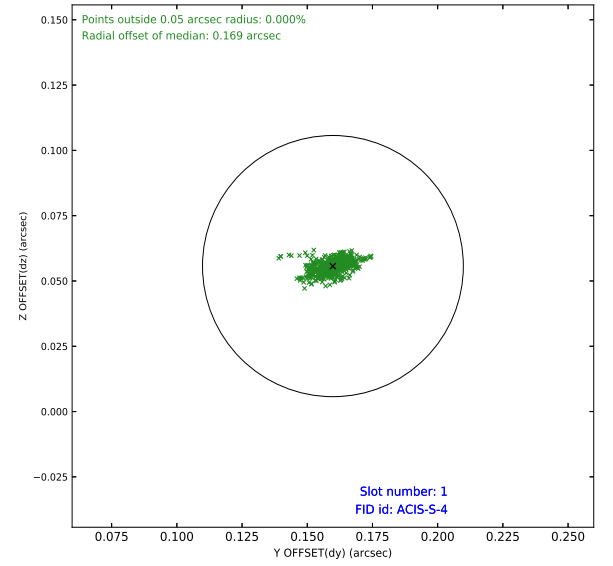
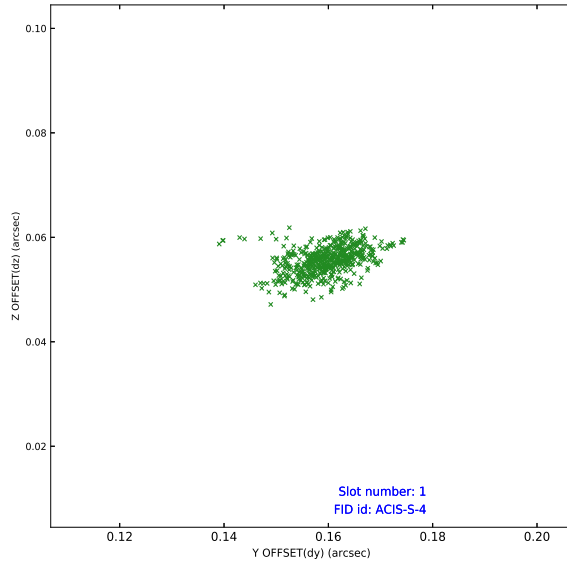


2.5 FID Slots

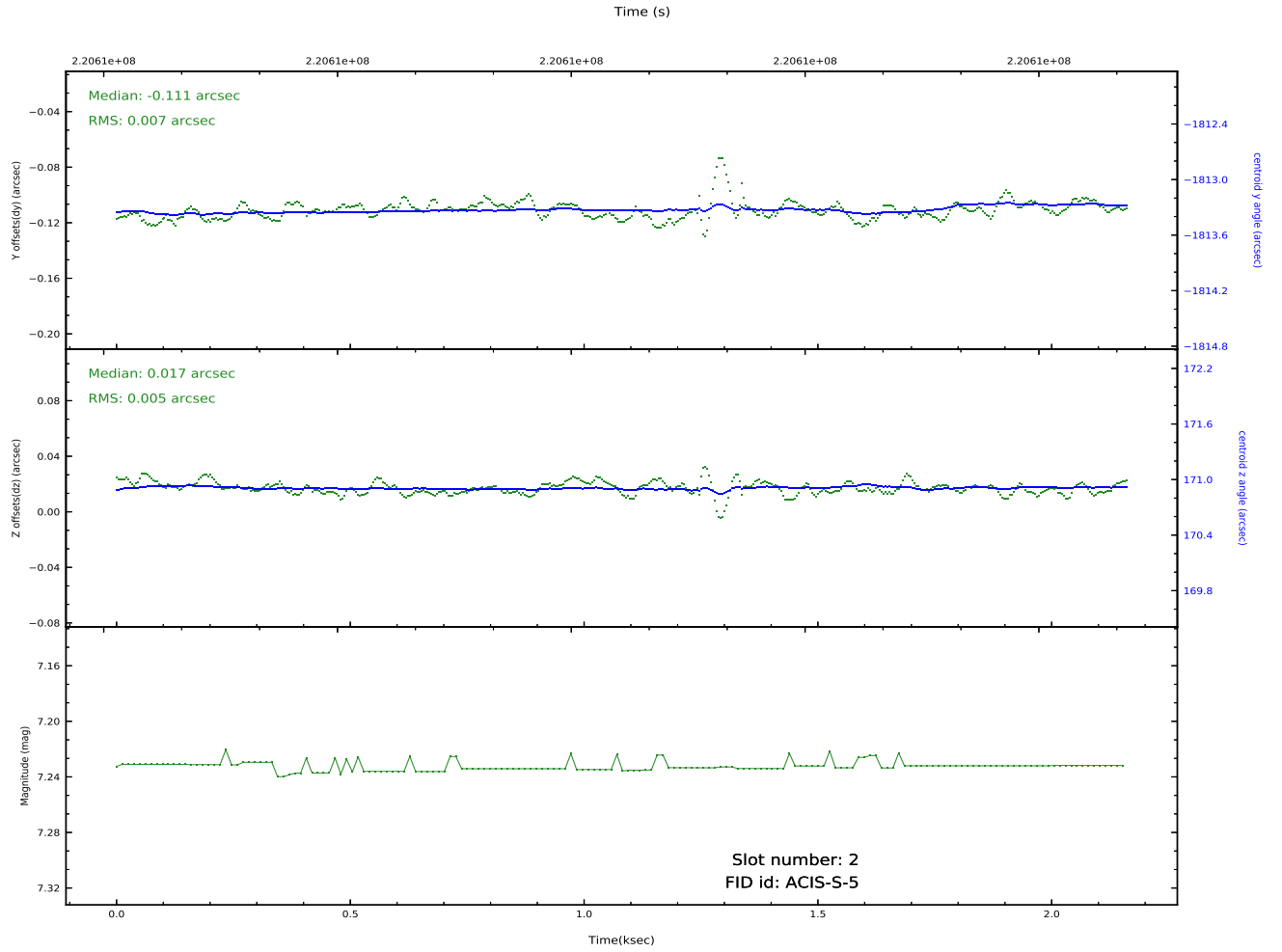
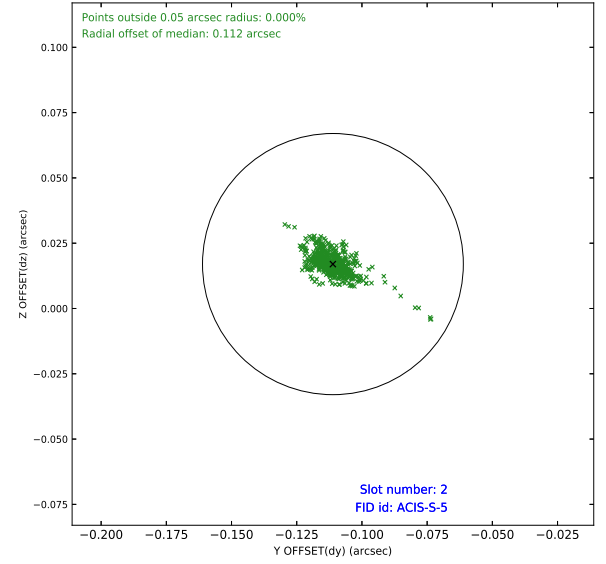
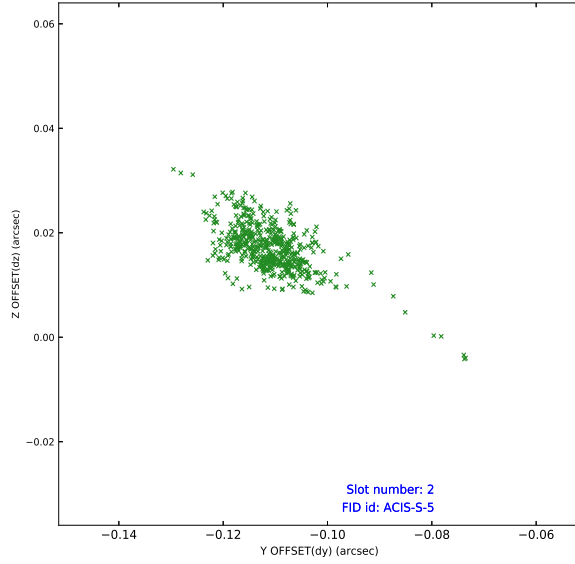
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.545599

A.2 Comments