

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6068 - L2 Version 4
Chandra X-Ray Center

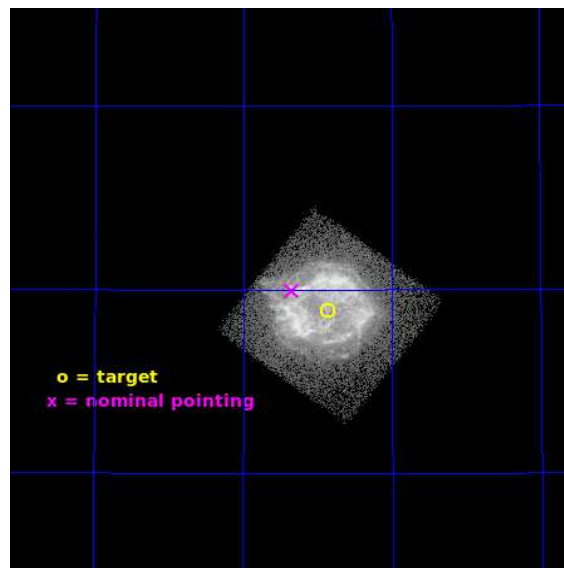
L2 Processing Date : Oct 7 2020

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1 Front

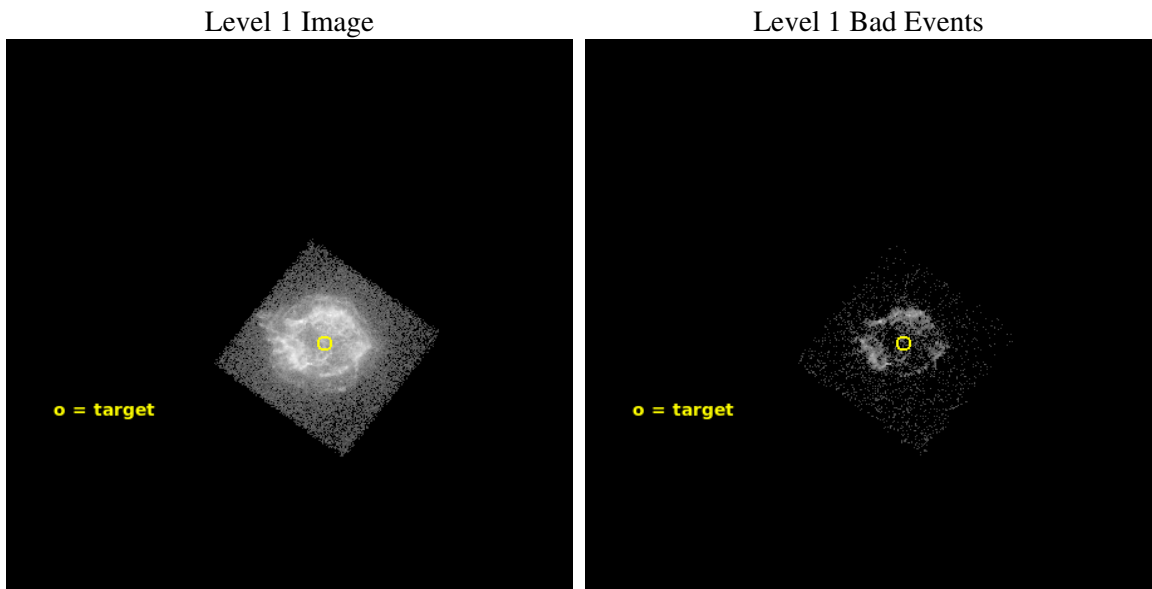
seq_num	590395	Sequence number
obs_id	6068	Observation id
title	AO6A Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	CXC Calibration	Principal investigator
object	Cas A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.91807158384	Nominal RA [deg]
dec_nom	58.832405015662	Nominal Dec [deg]
roll_nom	37.091973972479	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1236.8553261161	Sum of GTIs [s]
livetime	1221.1935192319	Livetime [s]
ontime2	2040.6552587748	Sum of GTIs [s]
ontime3	2046.9730094671	Sum of GTIs [s]
ontime5	2047.0550894737	Sum of GTIs [s]
ontime6	2047.0140494704	Sum of GTIs [s]
ontime7	1236.8553261161	Sum of GTIs [s]
ontime8	2046.9319694936	Sum of GTIs [s]
l2events	367516	Number of level 2 events



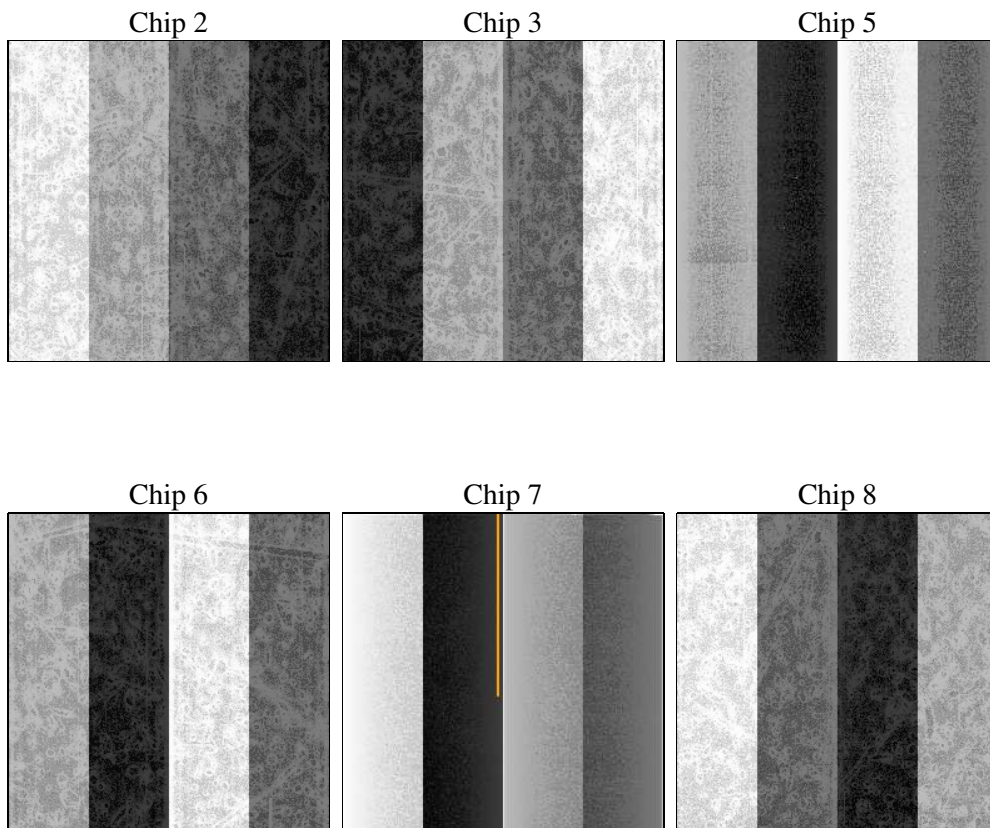
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1236.8553261161	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	2040.6552587748	Sum of GTIs [s]
date	2020-10-07T18:17:40	Date and time of file creation	ontime3	2046.9730094671	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2047.0550894737	Sum of GTIs [s]
			ontime6	2047.0140494704	Sum of GTIs [s]
			ontime7	1236.8553261161	Sum of GTIs [s]
			ontime8	2046.9319694936	Sum of GTIs [s]
			l1events	392822	Number of level 1 events

2.1.4 Events

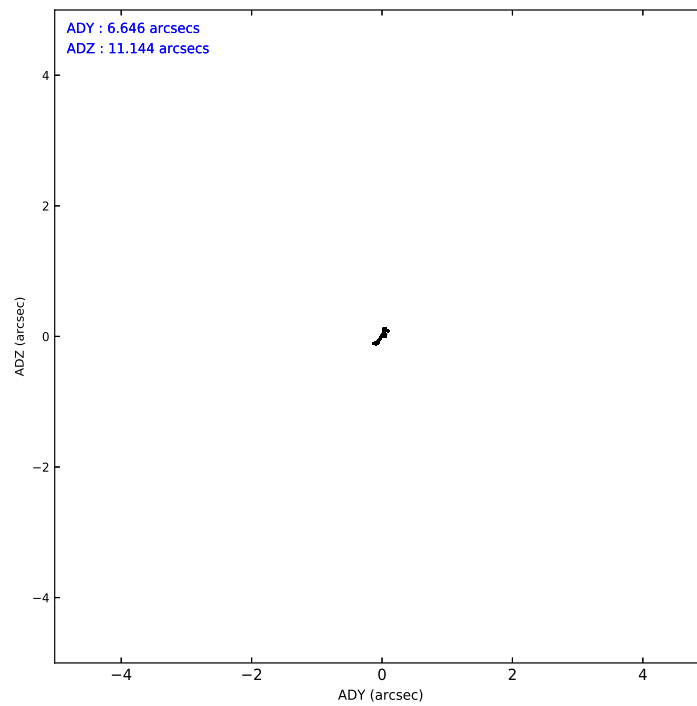
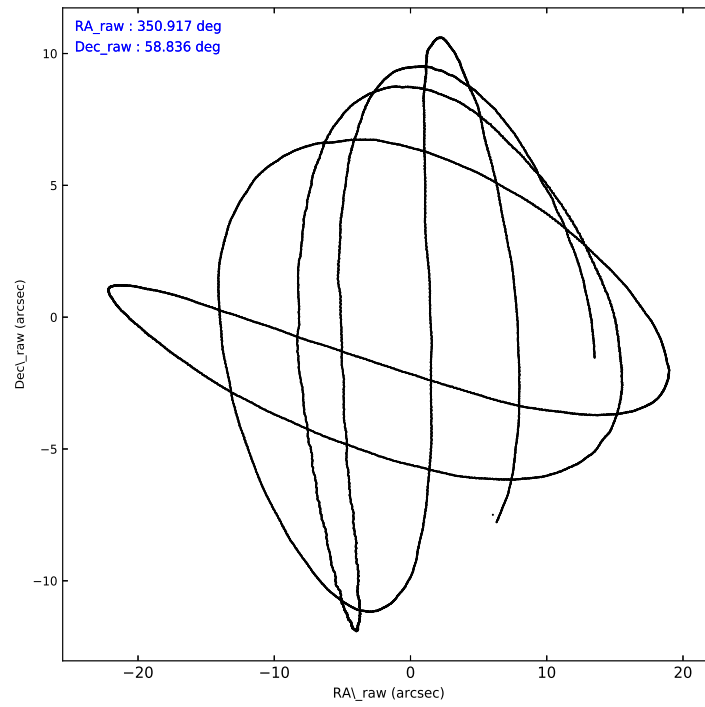
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	0	0	0	0	392822	0
rejected events	0	0	0	0	21576	0
rejected %	0%	0%	0%	0%	5%	0%

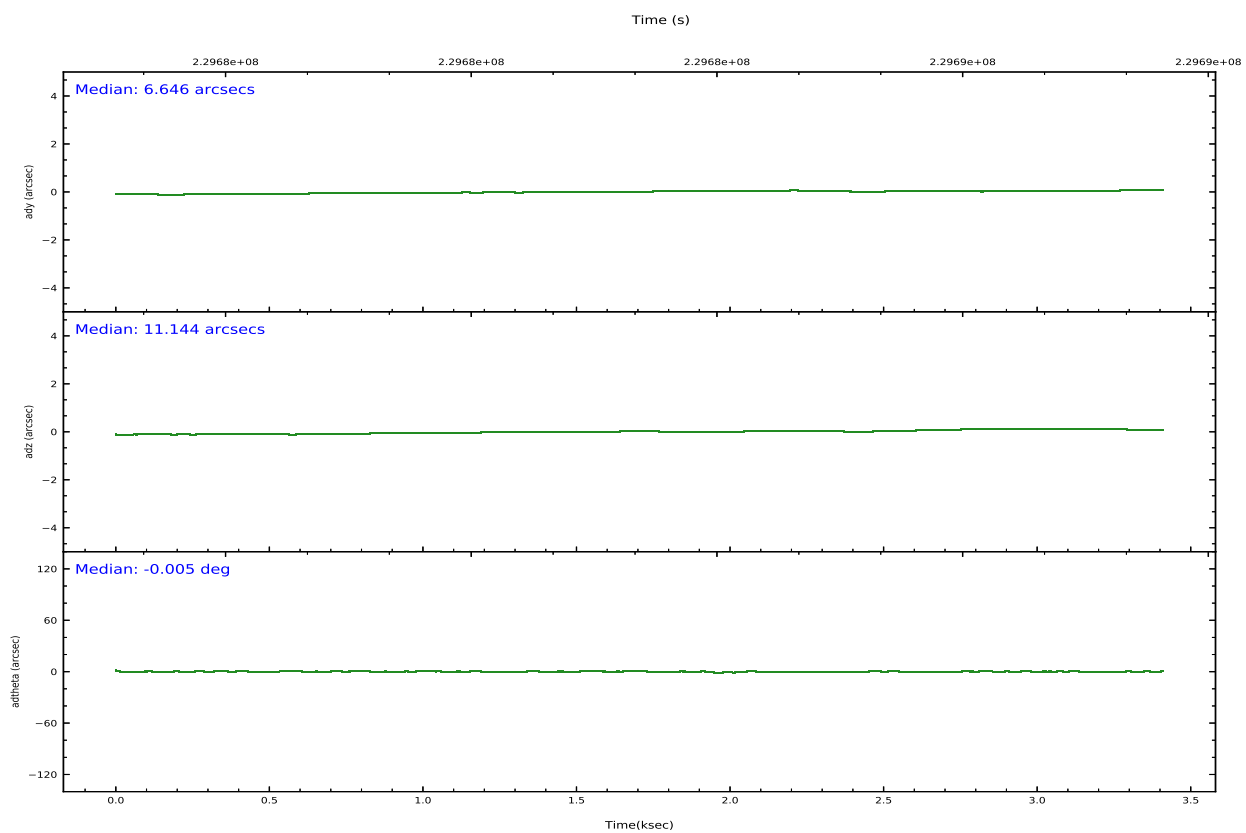
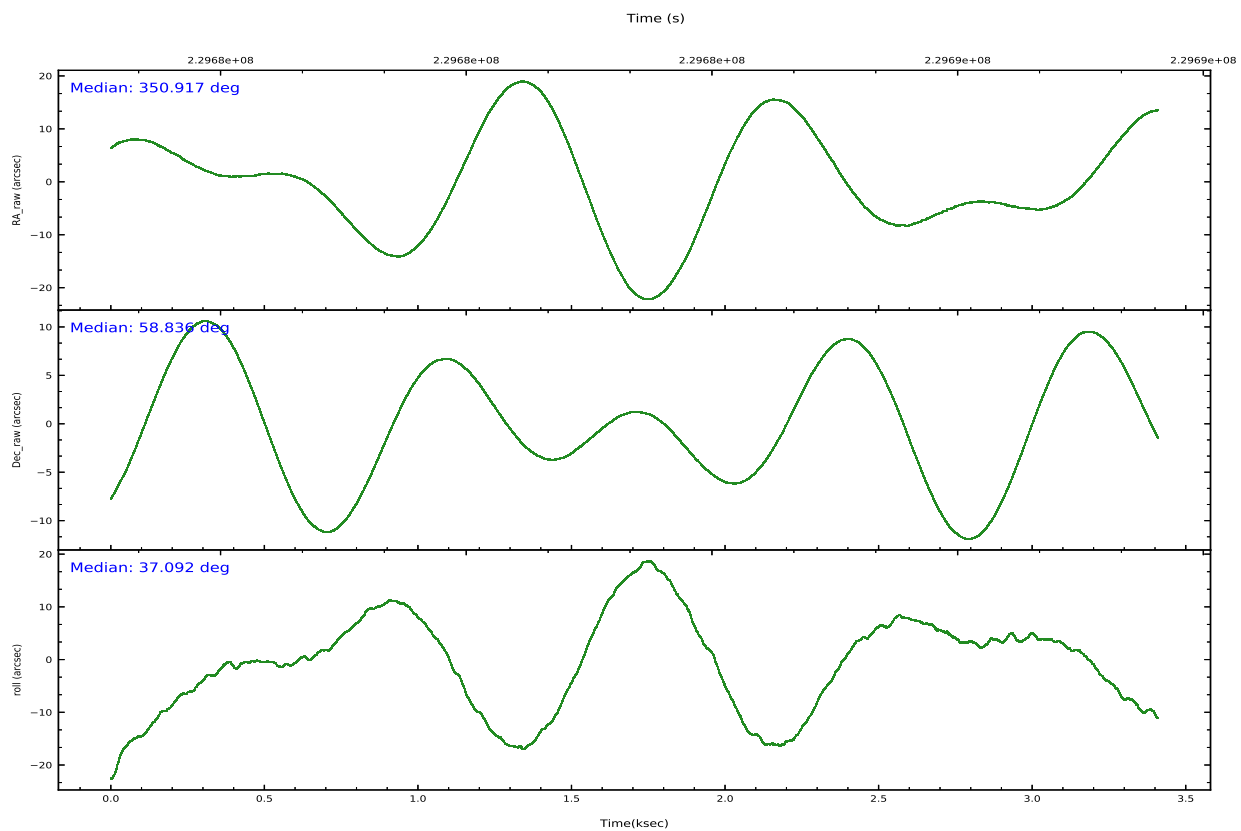
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	0	0	0	0	94652	0
	0%	0%	0%	0%	24%	0%
grade 1 events	0	0	0	0	1835	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	99915	0
	0%	0%	0%	0%	25%	0%
grade 3 events	0	0	0	0	43641	0
	0%	0%	0%	0%	11%	0%
grade 4 events	0	0	0	0	43482	0
	0%	0%	0%	0%	11%	0%
grade 5 events	0	0	0	0	7337	0
	0%	0%	0%	0%	1%	0%
grade 6 events	0	0	0	0	90599	0
	0%	0%	0%	0%	23%	0%
grade 7 events	0	0	0	0	11361	0
	0%	0%	0%	0%	2%	0%

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	350.897293	350.91807158384	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.810737	58.832405015662	Alternating exposures requested	N	N
[deg] Pointing Roll	36.947028	37.091973972479	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	223603264.184000	223603264.184000			
[s] Window stop time (MET)	233884864.184000	233884864.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	229684253.184000	229682632.14589			
Observation start date	2005-04-12T09:09:49	2005-04-12T08:43:52			
[s] Observation end time (MET)	229686253.184000	229686446.68356			
Observation end date	2005-04-12T09:43:09	2005-04-12T09:47:26			
Read mode	TIMED	TIMED			

2.3 Aspect



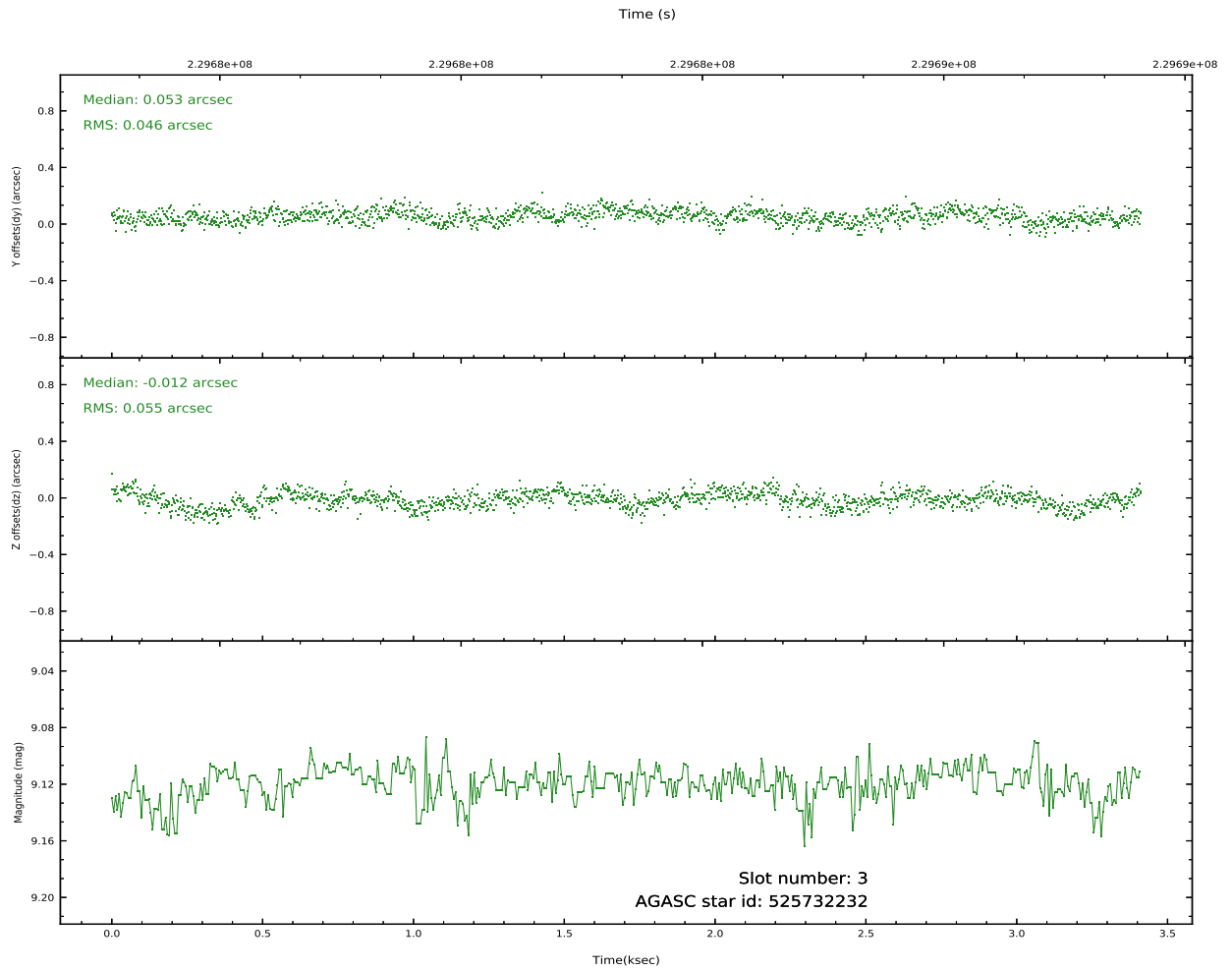
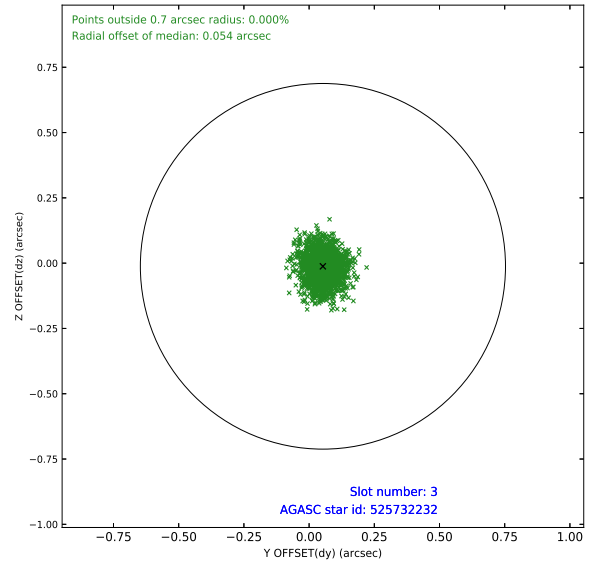
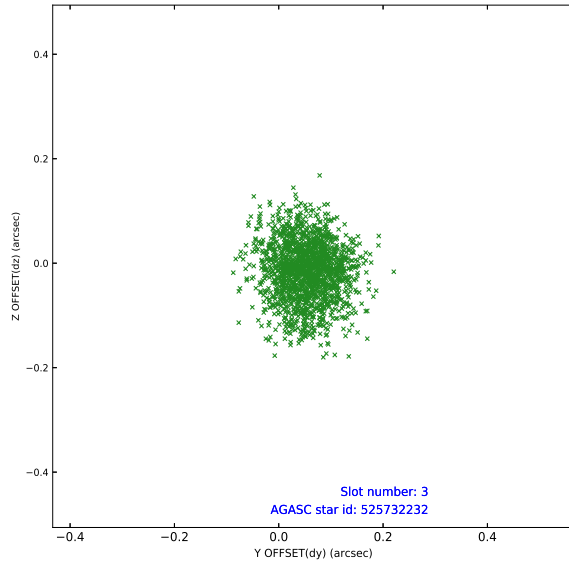


Slot Statistics

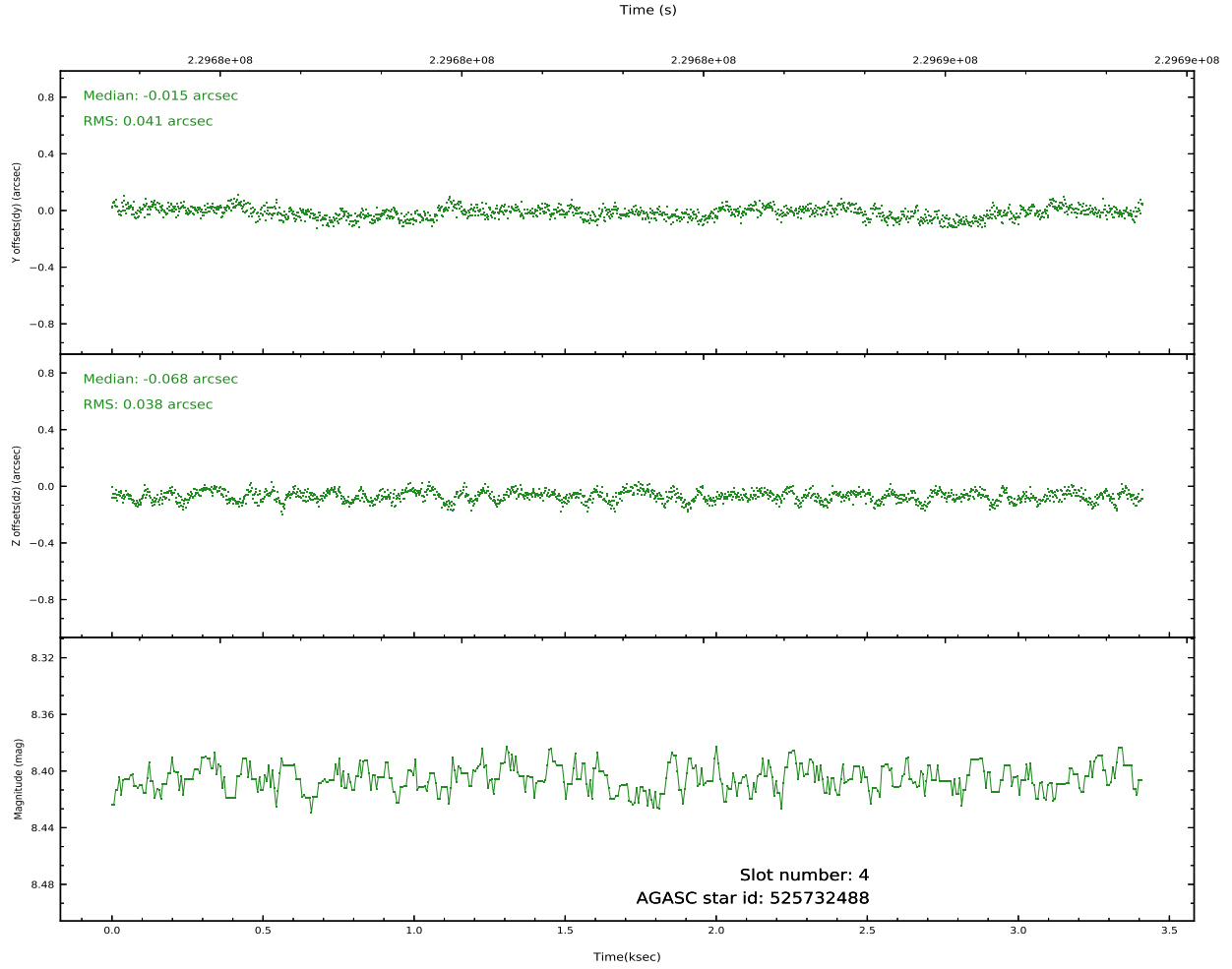
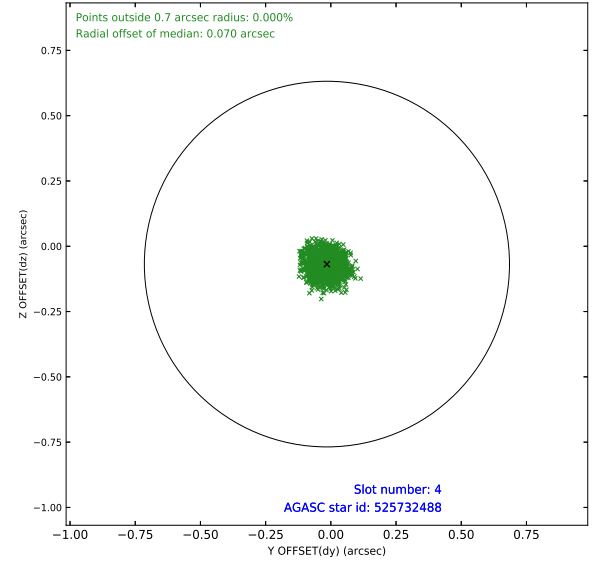
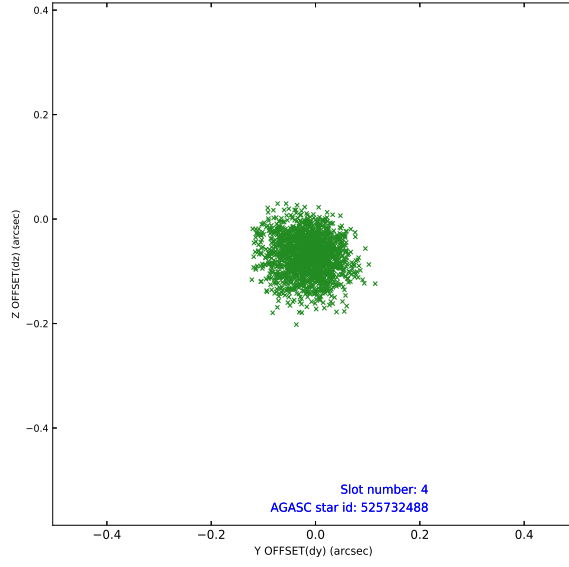
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	832	1.000	-0.107	-0.091	0.006	0.011	0.000000	0.000000	-759.46	-1732
1	FID		ACIS-S-4	7.20	832	1.000	0.096	0.048	0.007	0.011	0.000000	0.000000	2153.15	174
2	FID		ACIS-S-6	7.35	832	1.000	-0.017	0.050	0.007	0.011	0.000000	0.000000	404.96	813
3	GUIDE	used	525732232	9.12	1664	1.000	0.053	-0.012	0.077	0.124	351.669550	58.757012	1040.92	-1015
4	GUIDE	used	525732488	8.41	1663	1.000	-0.015	-0.068	0.061	0.096	350.087090	58.516915	-1847.34	76
5	GUIDE	used	525732528	9.38	1665	1.000	0.121	-0.004	0.089	0.147	351.607241	59.298932	2101.83	625
6	GUIDE	used	525735456	6.72	1665	1.000	-0.196	-0.088	0.051	0.081	350.628183	59.307249	680.40	1726
7	GUIDE	used	525735976	8.75	1663	1.000	0.042	0.175	0.083	0.125	350.142956	58.277622	-2289.95	-668

2.4 Star Slots

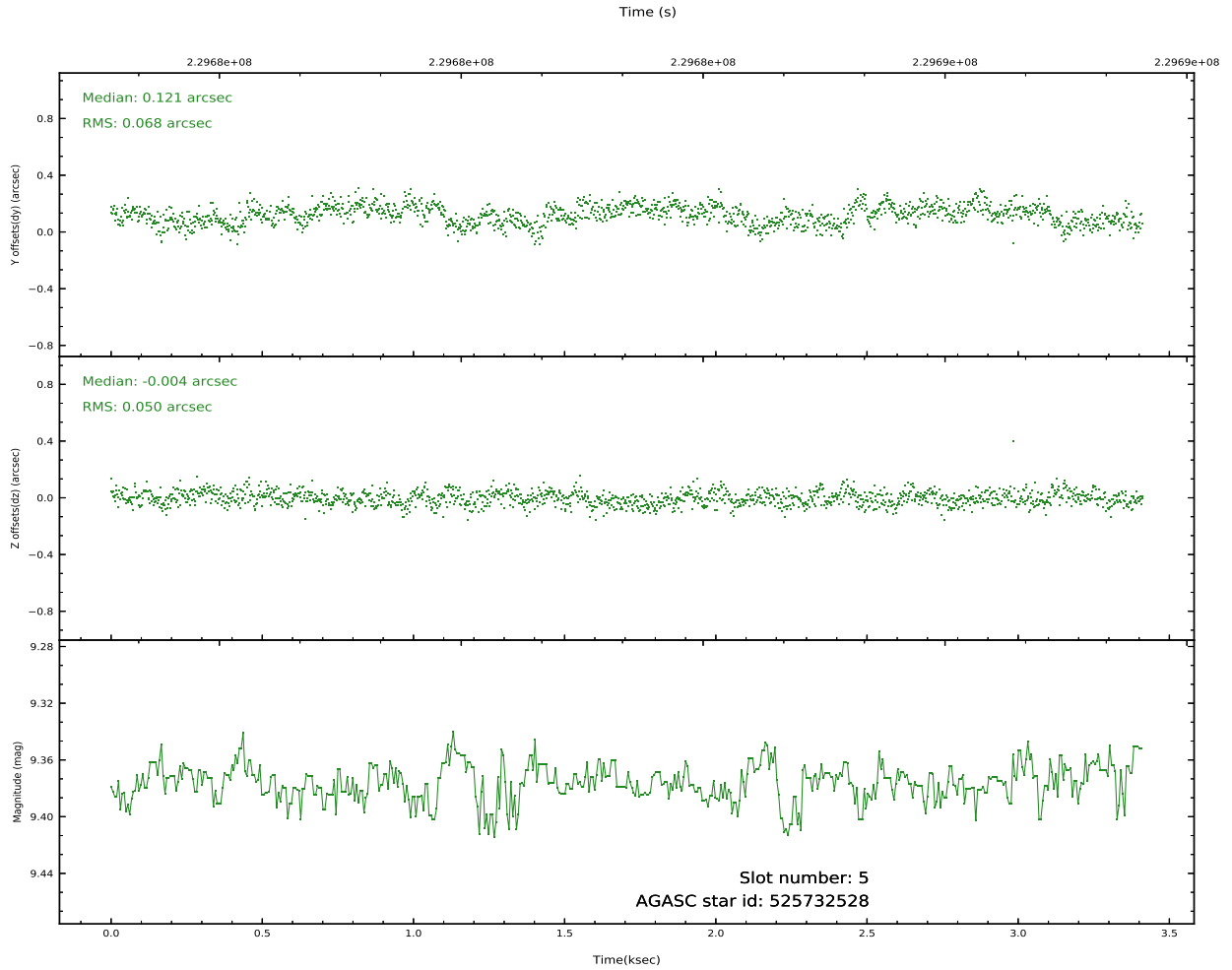
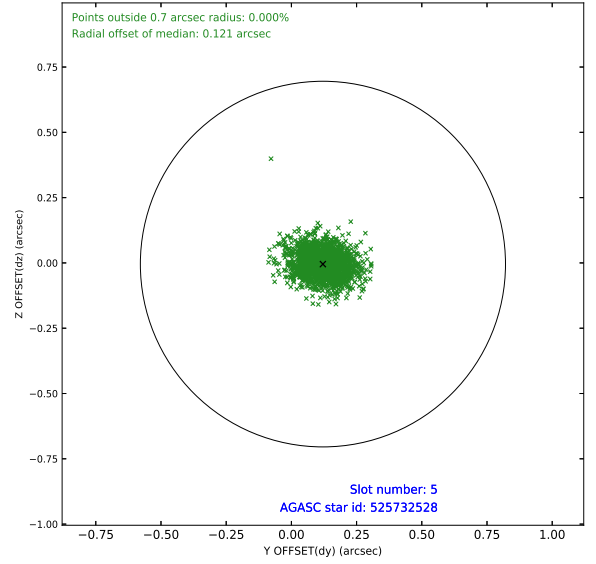
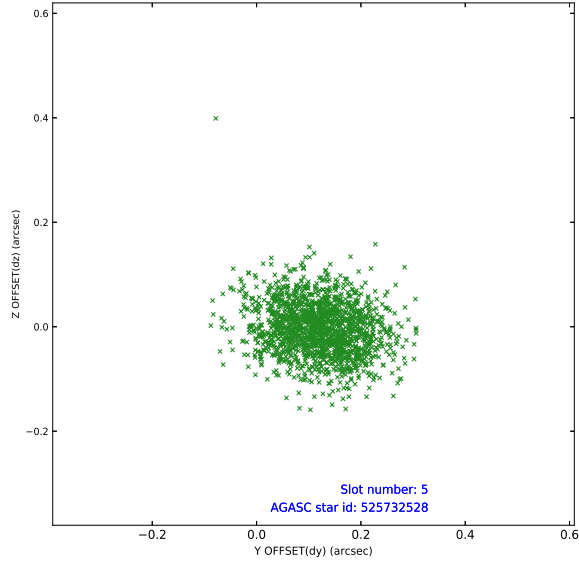
2.4.1 Slot 3



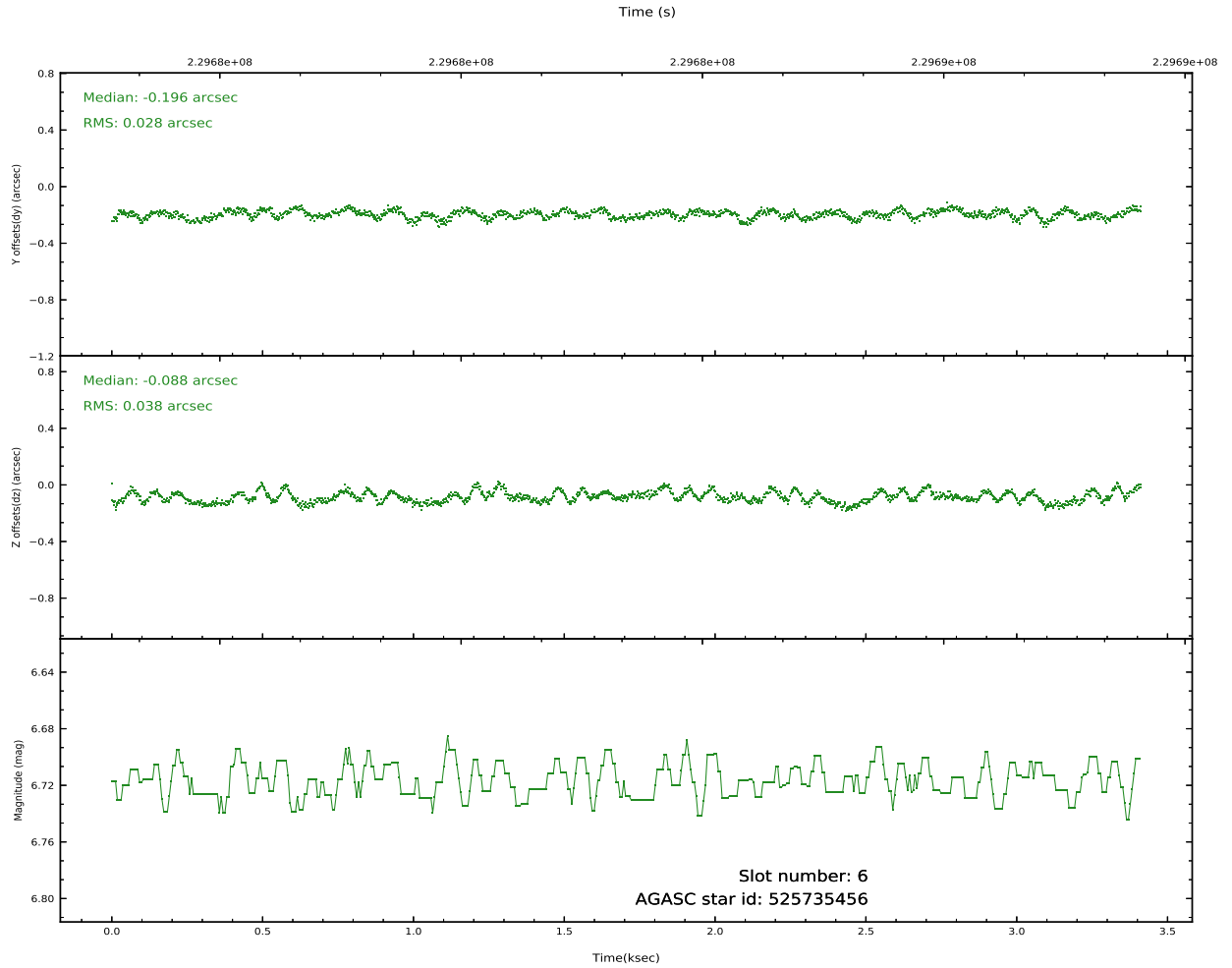
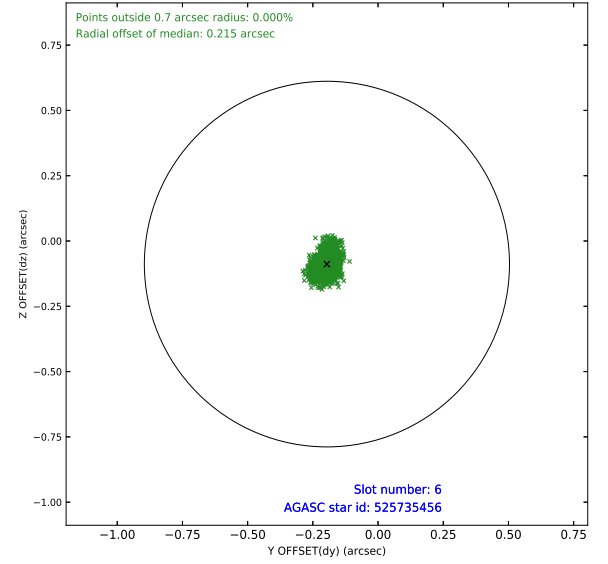
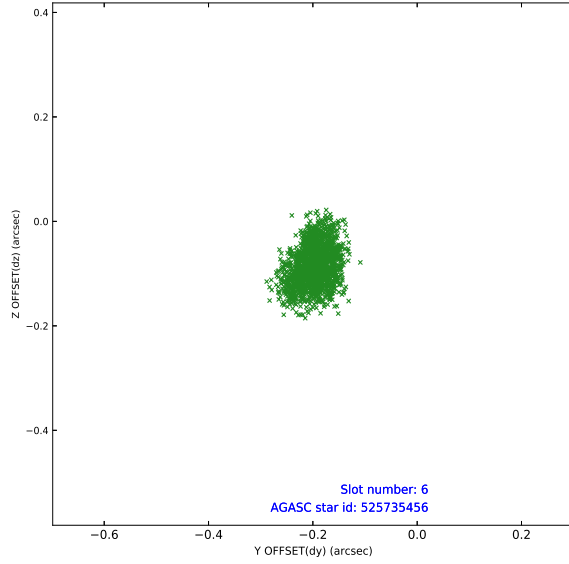
2.4.2 Slot 4



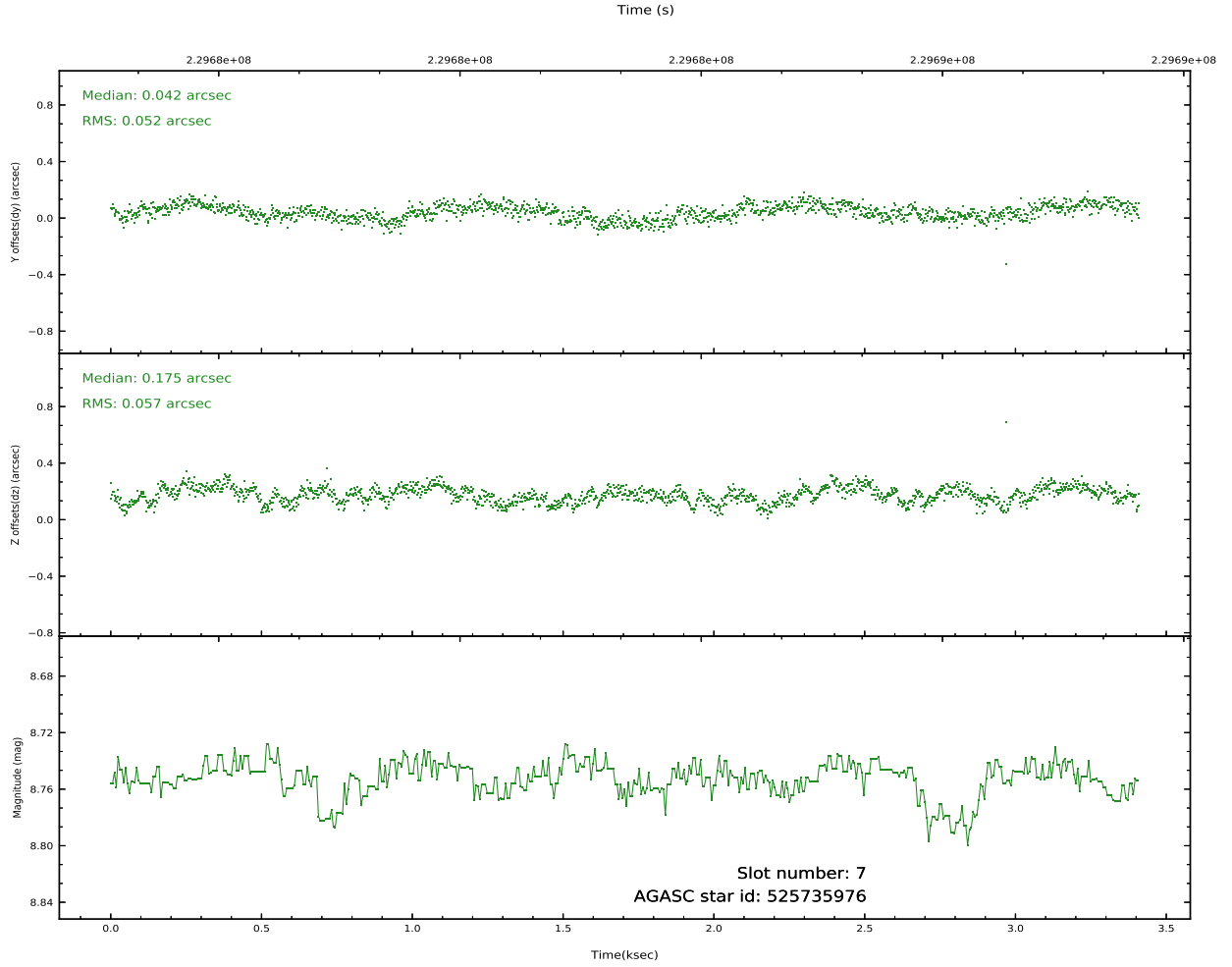
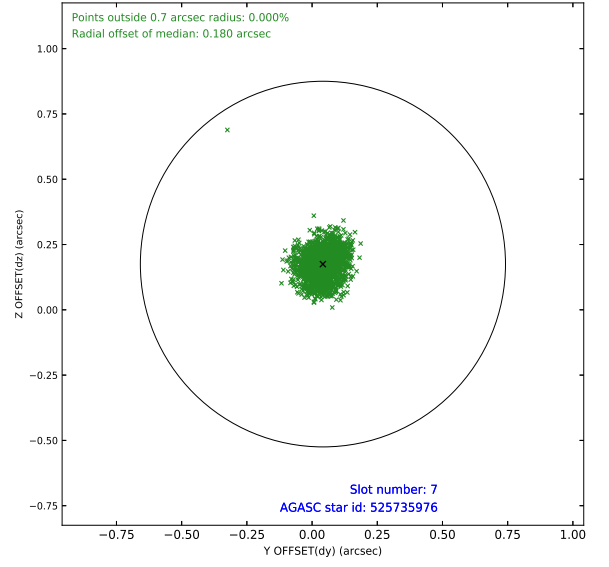
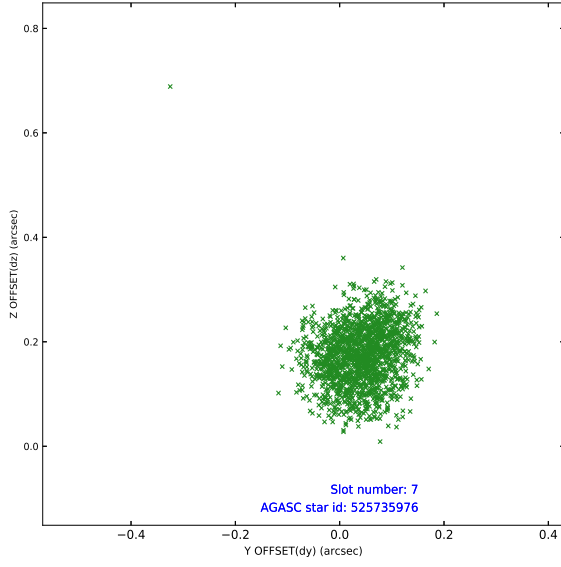
2.4.3 Slot 5



2.4.4 Slot 6

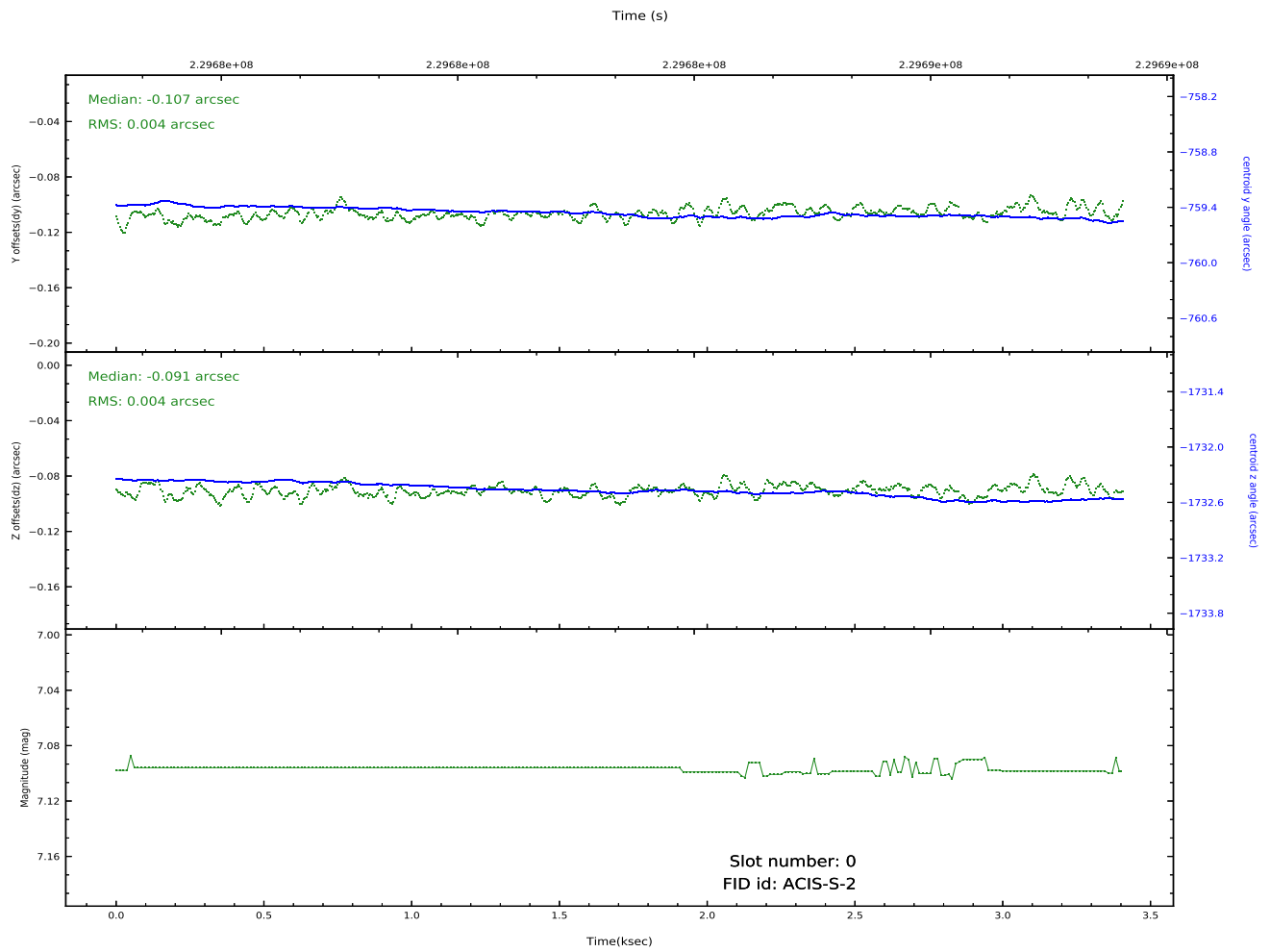
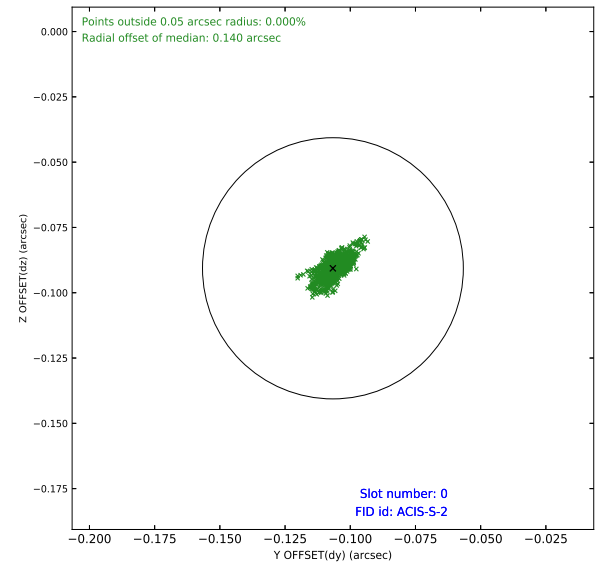
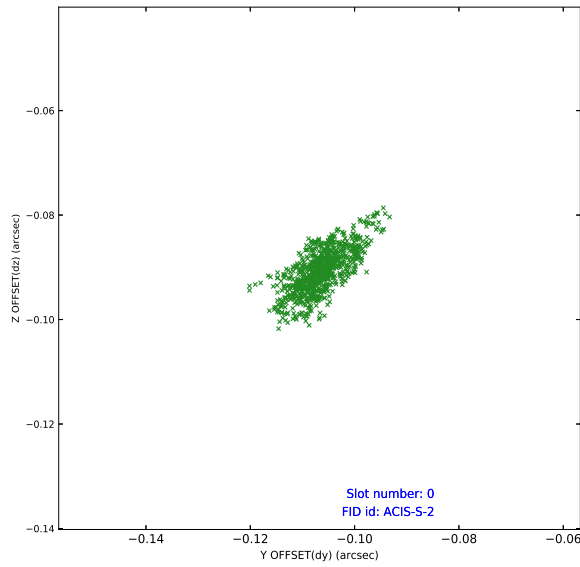


2.4.5 Slot 7

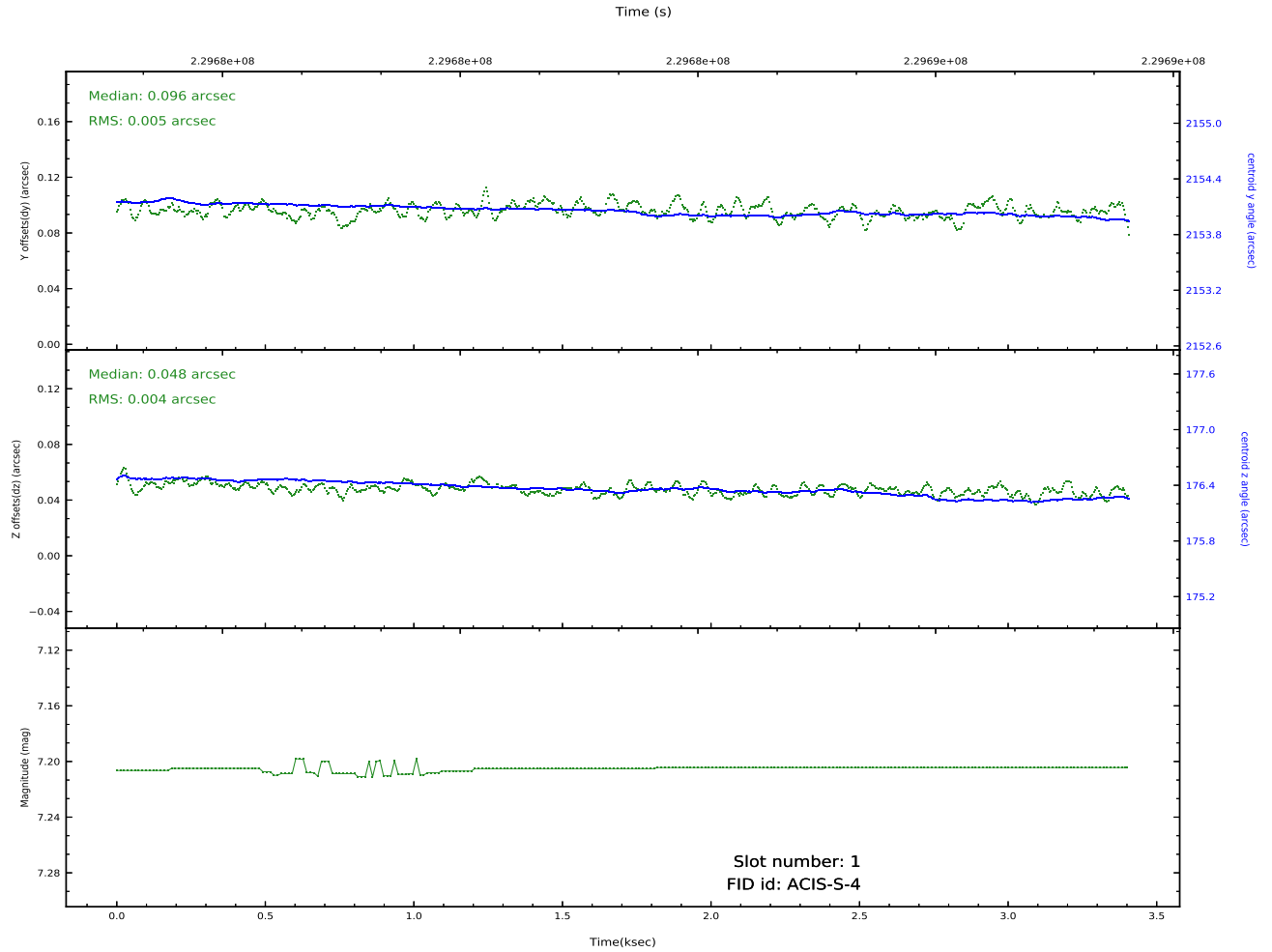
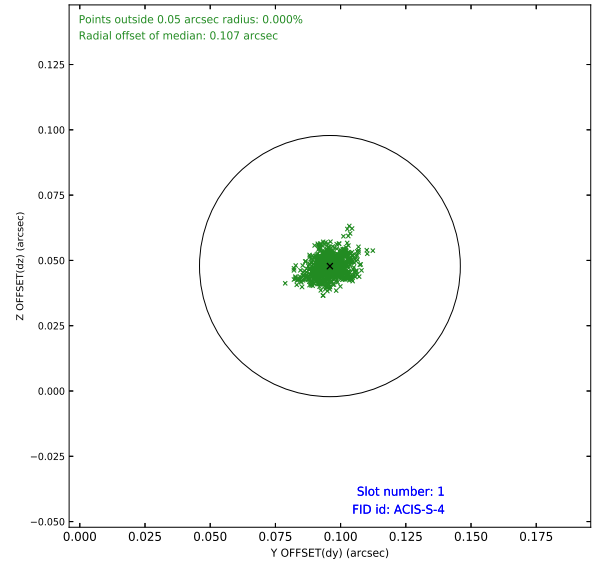
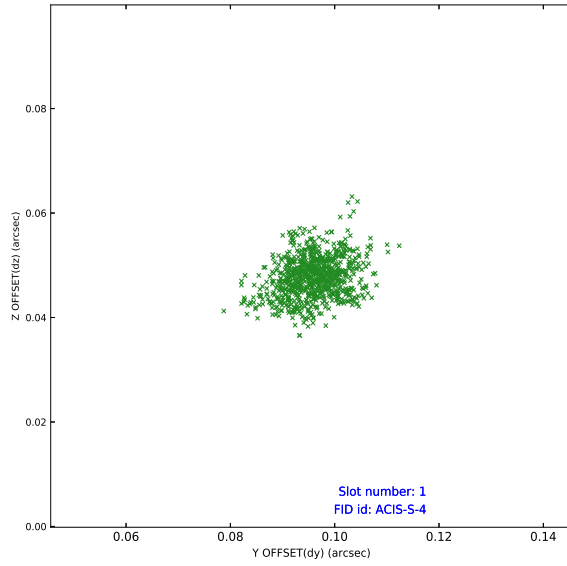


2.5 FID Slots

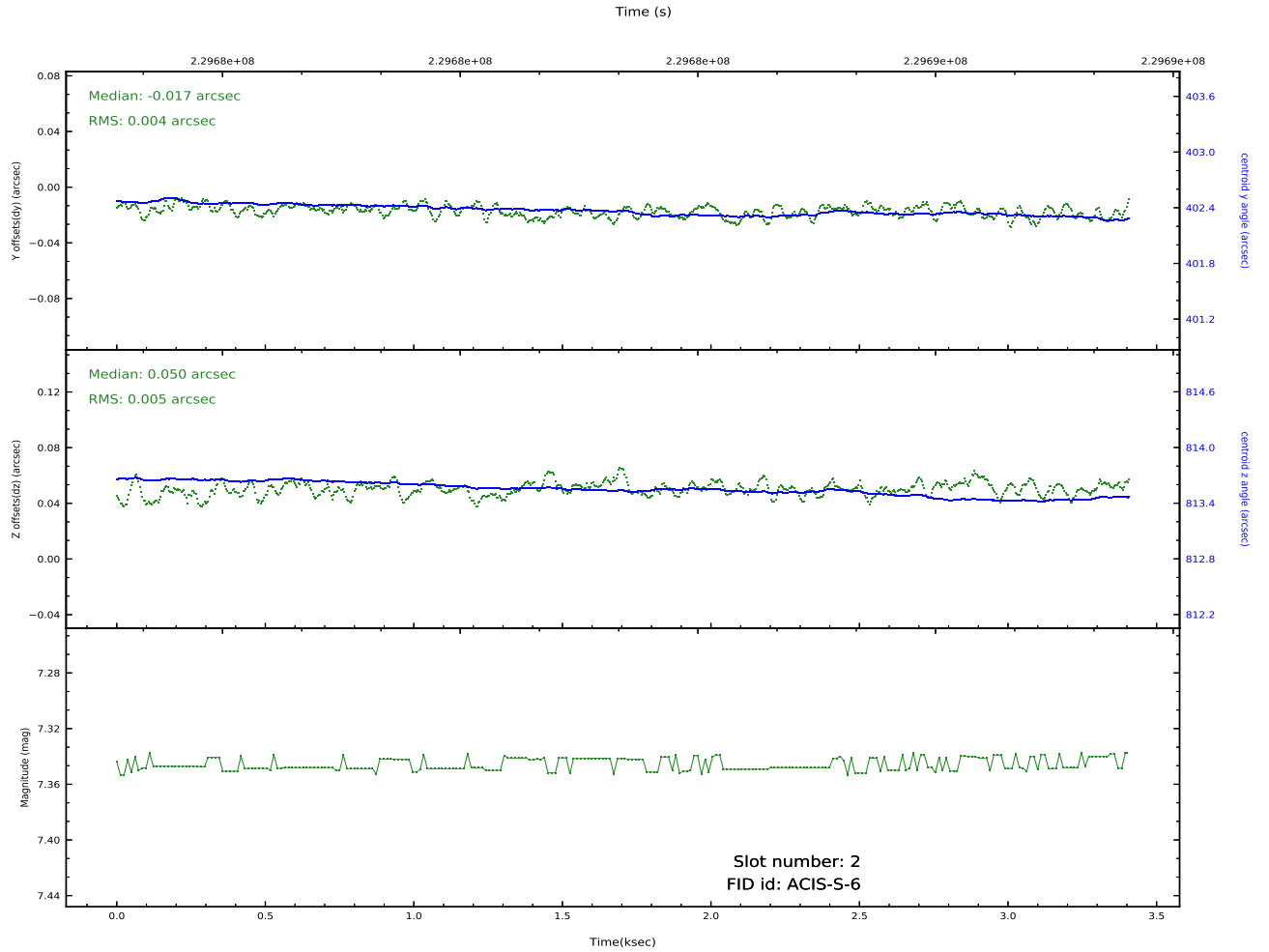
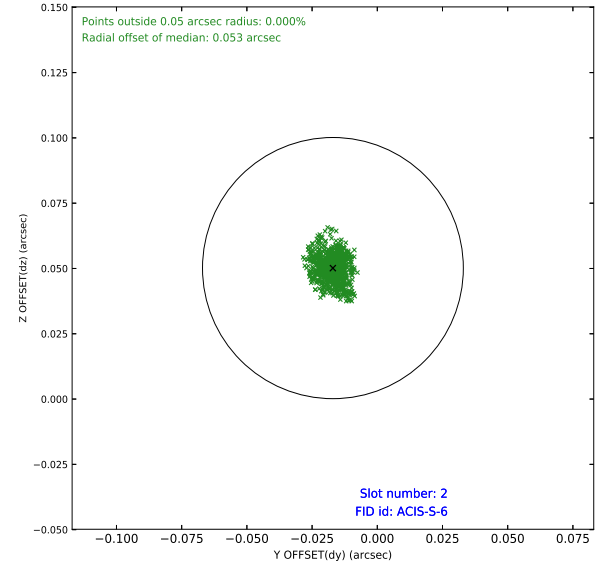
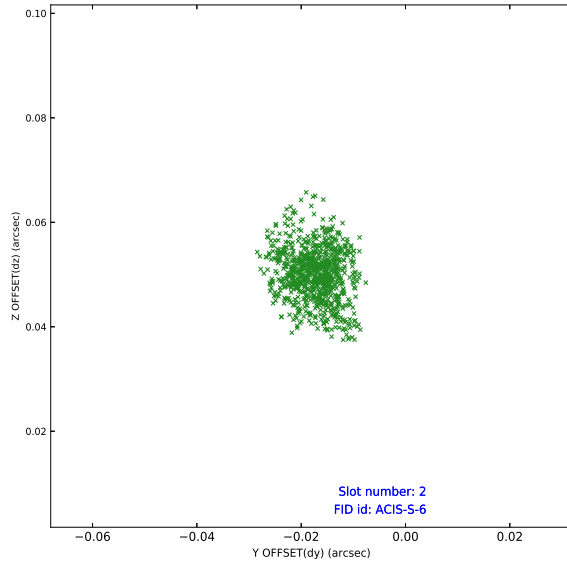
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.237759

A.2 Comments

Window constraint met.