

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19360 - L2 Version 2
Chandra X-Ray Center

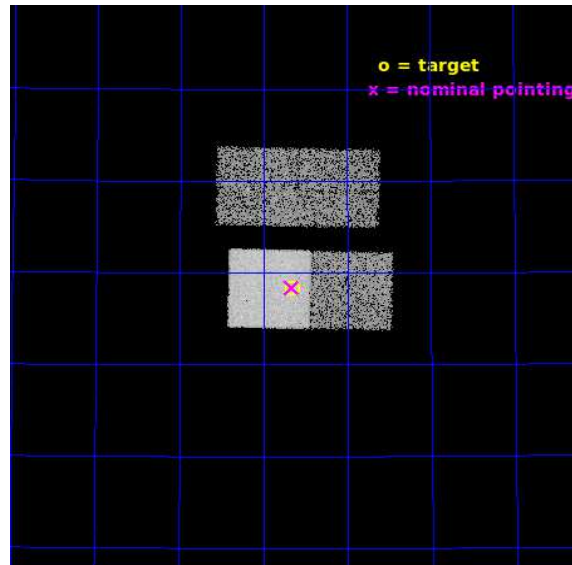
L2 Processing Date : Oct 24 2020

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1 Front

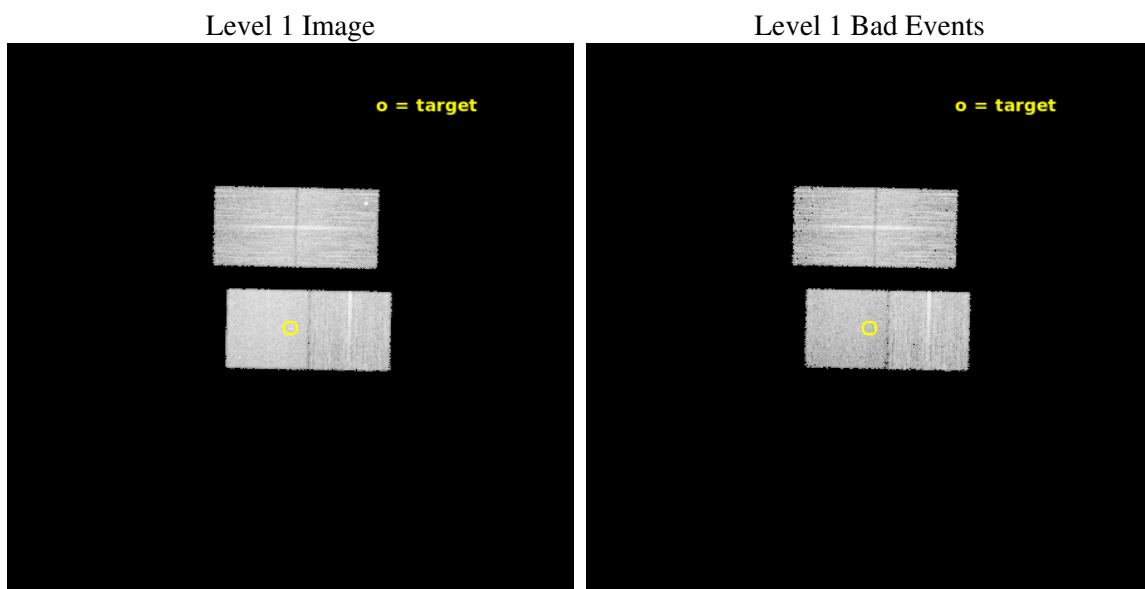
seq_num	601317	Sequence number
obs_id	19360	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 3448	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.663333	Observer's specified target RA [deg]
dec_targ	54.305222	Observer's specified target Dec [deg]
ra_nom	163.66537772682	Nominal RA [deg]
dec_nom	54.306519616242	Nominal Dec [deg]
roll_nom	181.26297782599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10102.90007782	Sum of GTIs [s]
livetime	9970.8982506563	Livetime [s]
ontime2	10102.90007782	Sum of GTIs [s]
ontime3	10099.758987546	Sum of GTIs [s]
ontime6	10102.90007782	Sum of GTIs [s]
ontime7	10102.90007782	Sum of GTIs [s]
l2events	60375	Number of level 2 events



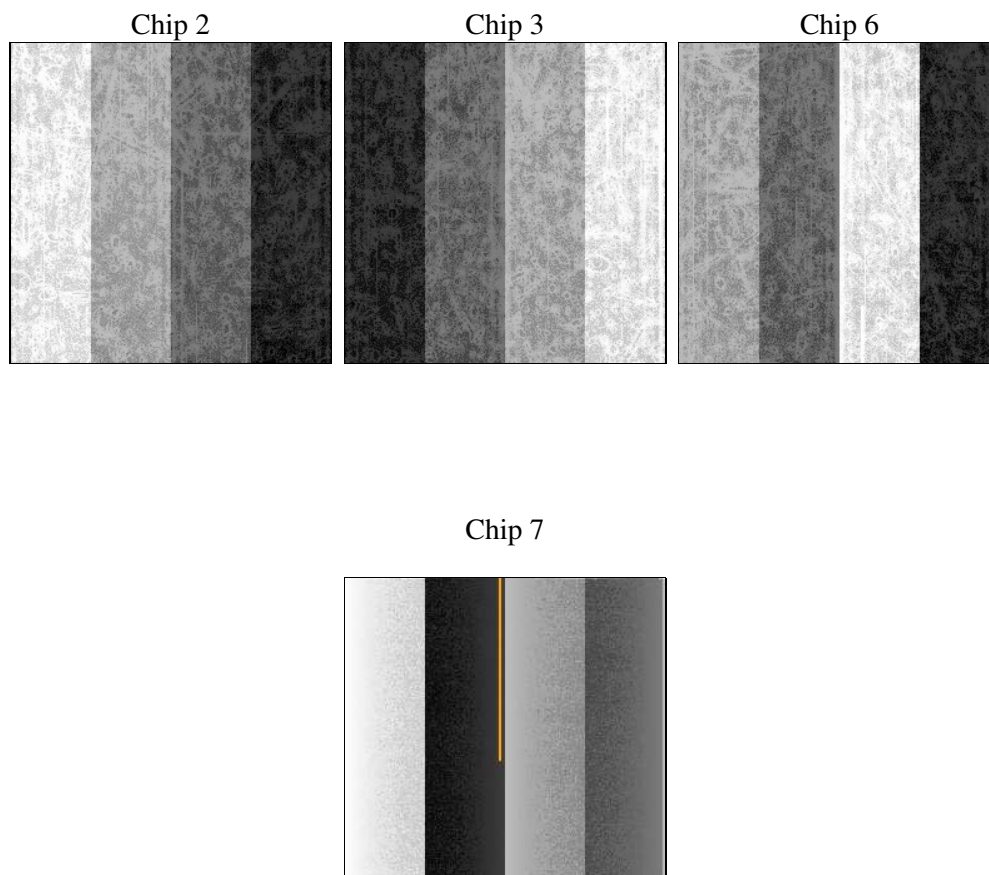
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10193.968000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10102.90007782	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	10102.90007782	Sum of GTIs [s]
date	2020-10-25T00:17:42	Date and time of file creation	ontime3	10099.758987546	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10102.90007782	Sum of GTIs [s]
			ontime7	10102.90007782	Sum of GTIs [s]
			l1events	323869	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	77523	72642	76817	96887
rejected events	69494	65272	68442	55251
rejected %	89%	89%	89%	57%

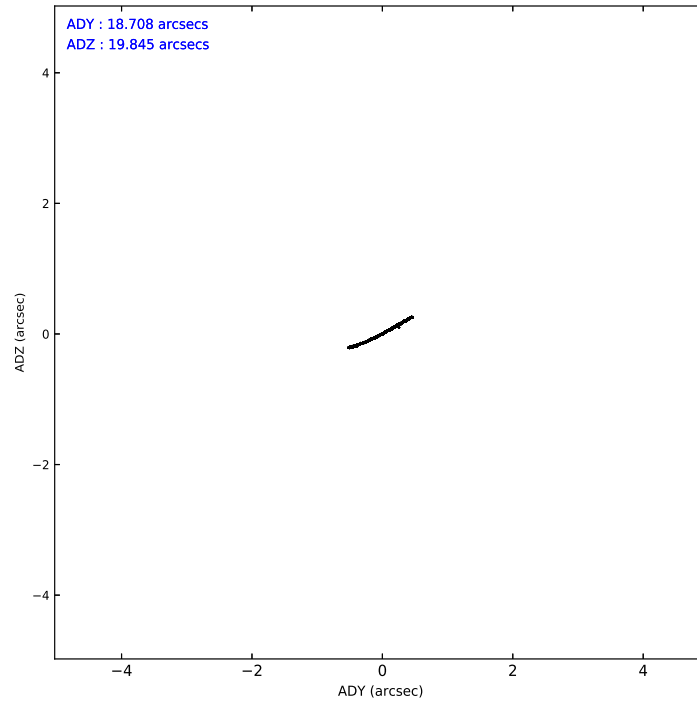
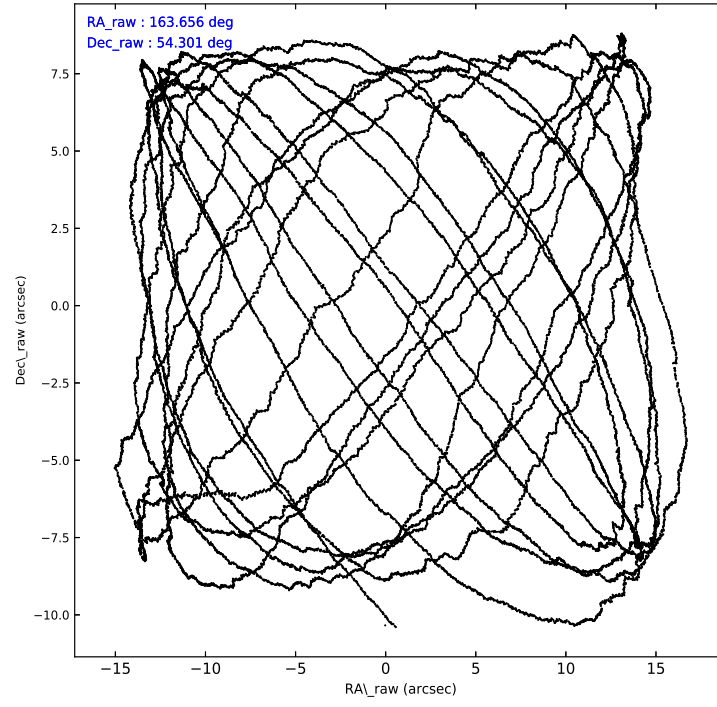
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3211	2540	2376	3520
	4%	3%	3%	3%
grade 1 events	48	33	31	106
	0%	0%	0%	0%
grade 2 events	1737	1588	2249	8512
	2%	2%	2%	8%
grade 3 events	763	775	713	3383
	0%	1%	0%	3%
grade 4 events	793	863	718	3247
	1%	1%	0%	3%
grade 5 events	2586	3234	3262	9372
	3%	4%	4%	9%
grade 6 events	1528	1608	2329	22997
	1%	2%	3%	23%
grade 7 events	66857	62001	65139	45750
	86%	85%	84%	47%

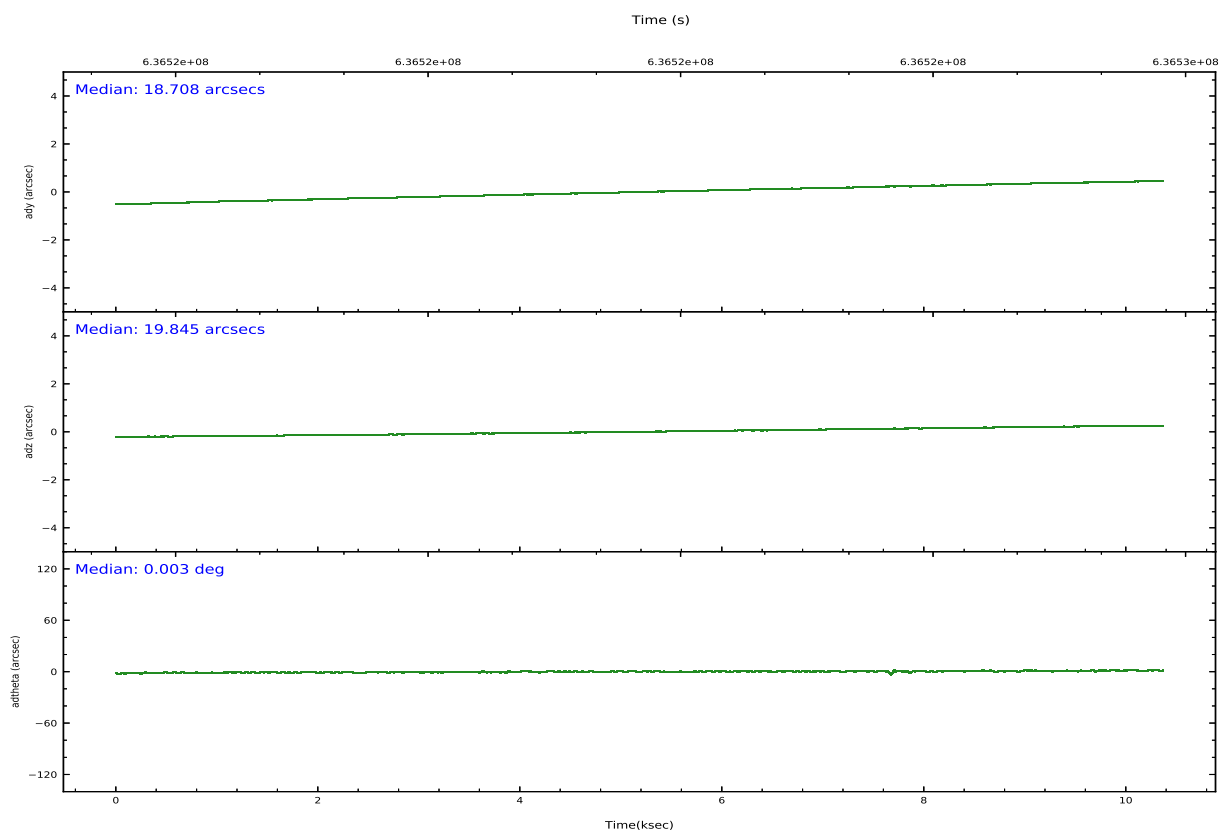
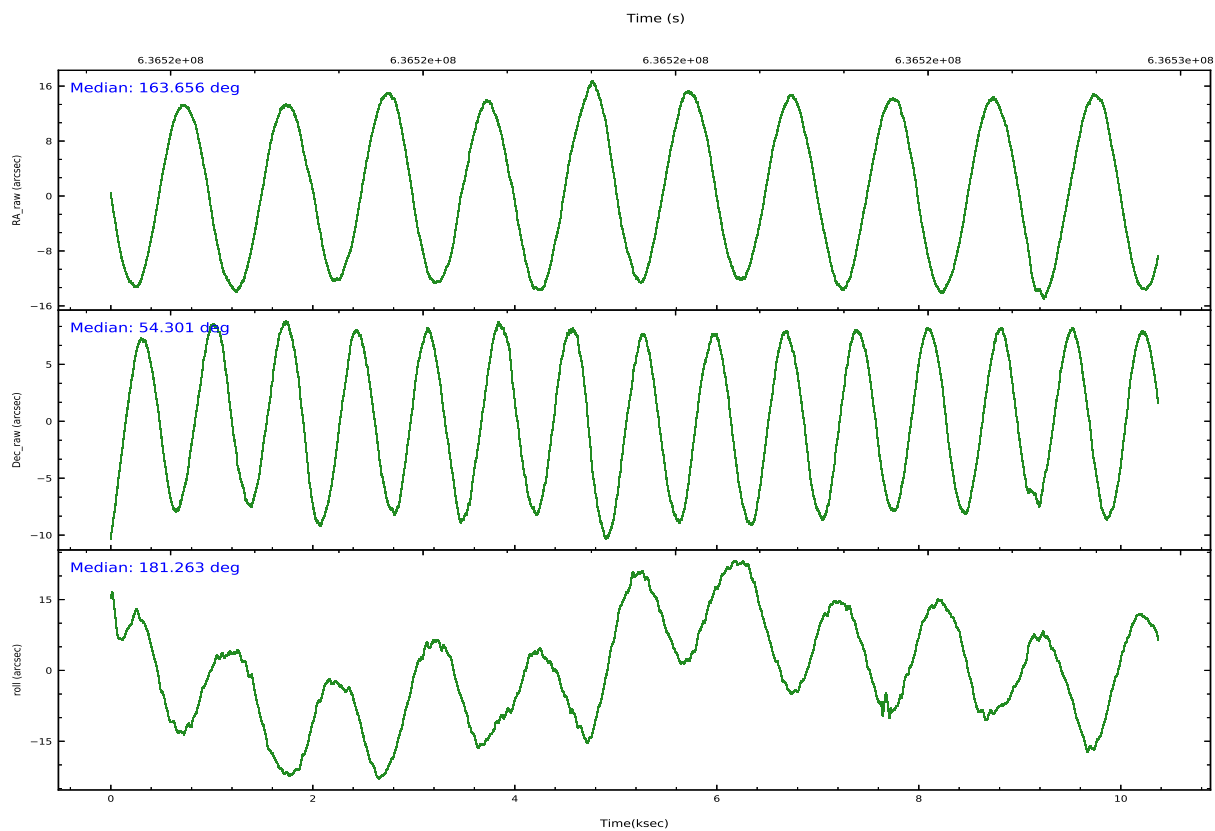
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	163.696300	163.66537772682
[deg] Pointing Dec	54.315179	54.306519616242
[deg] Pointing Roll	181.080706	181.26297782599
[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)	636517085.184000	636516573.9054101
Observation start date	2018-03-04T02:16:56	2018-03-04T02:09:33
[s] Observation end time (MET)	636527279.184000	636528144.61859
Observation end date	2018-03-04T05:06:50	2018-03-04T05:22:24
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



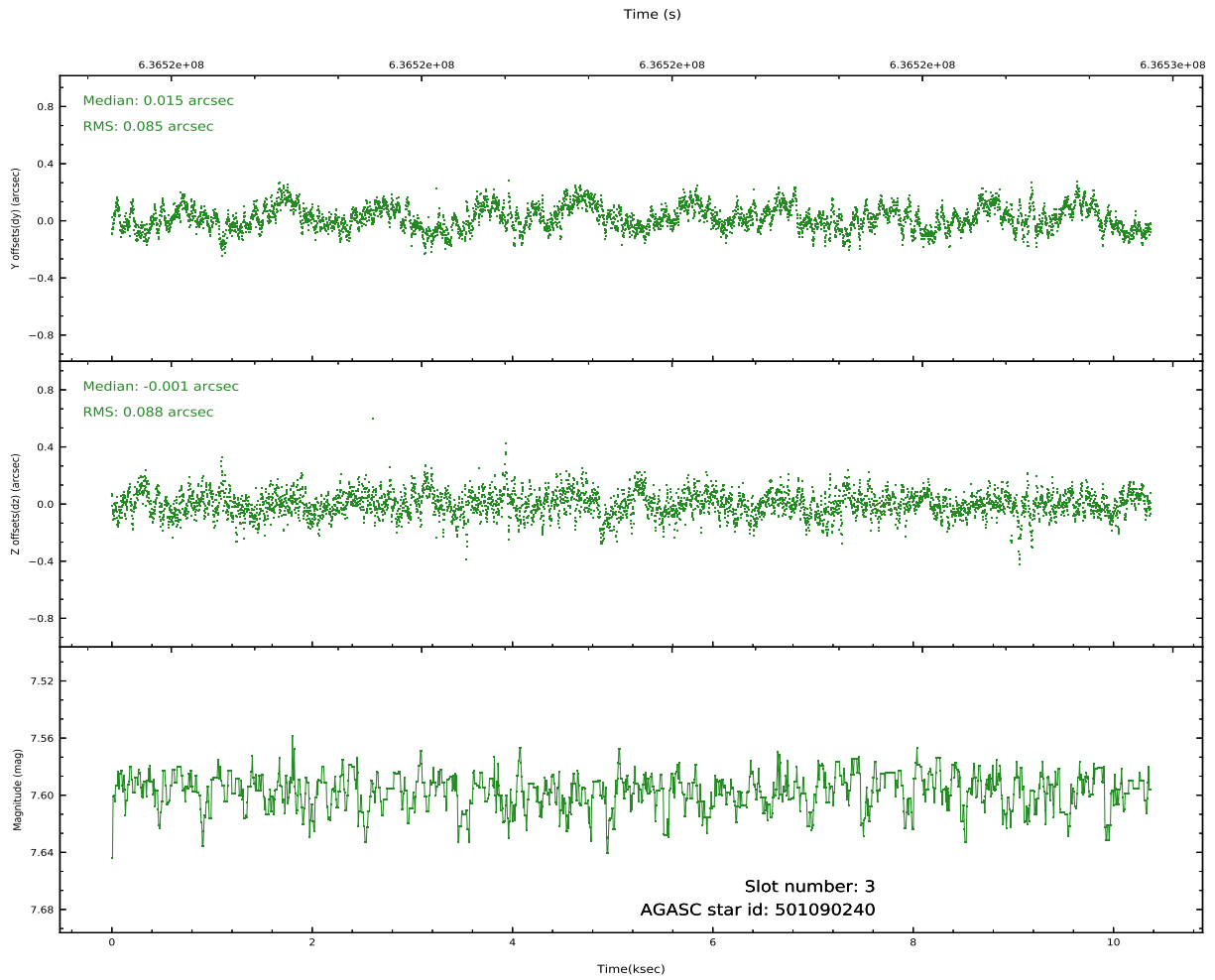
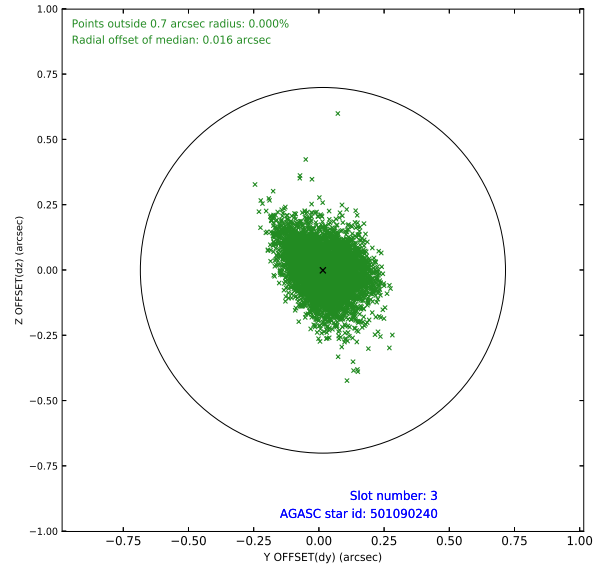
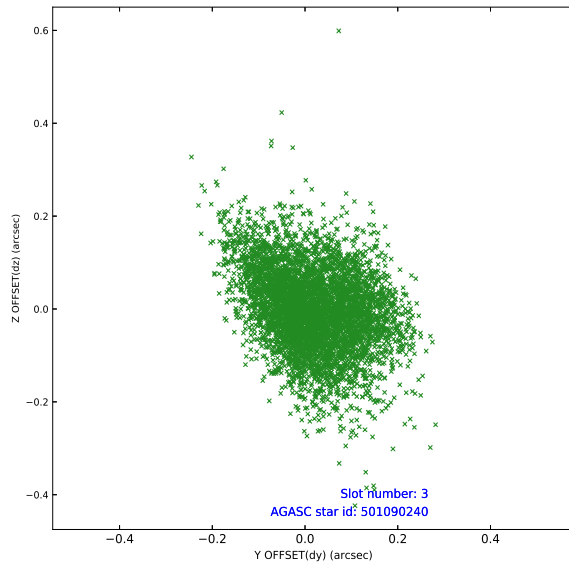


Slot Statistics

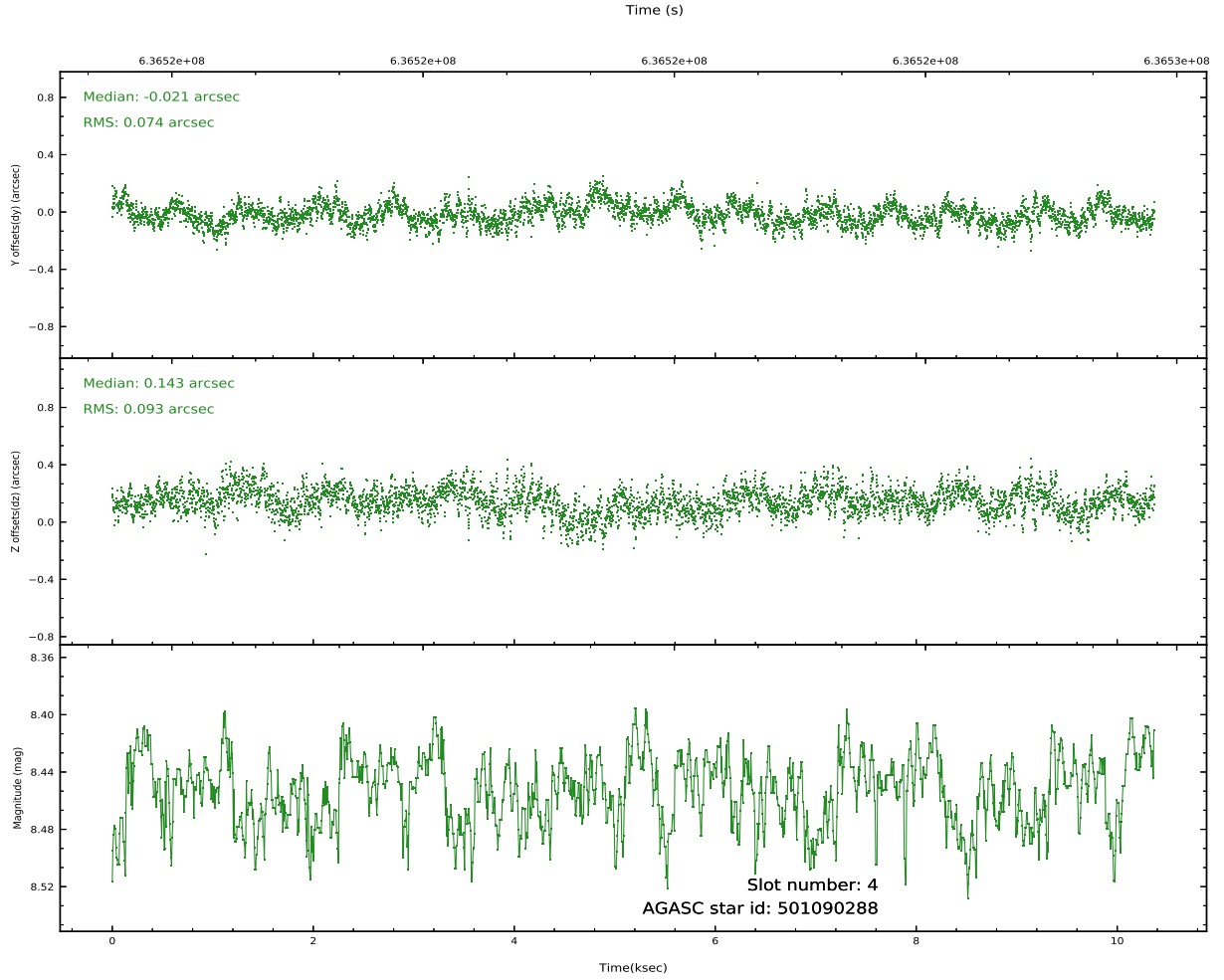
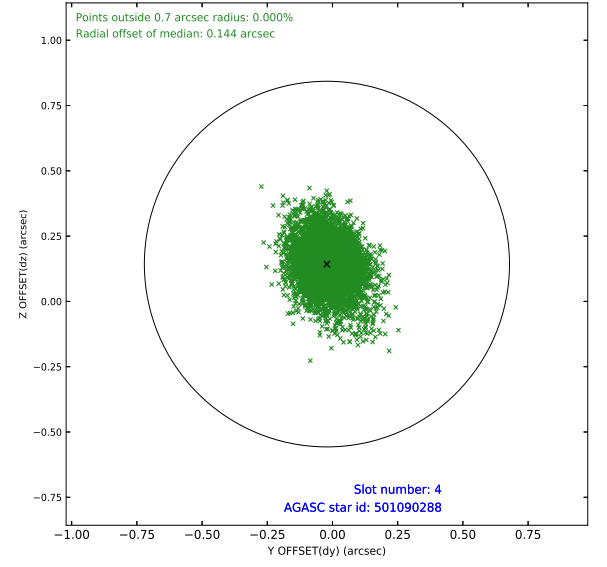
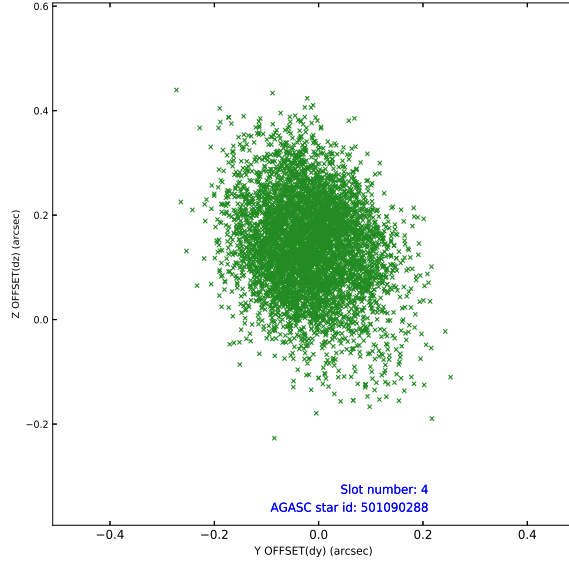
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.14	2530	1.000	0.099	-0.112	0.016	0.024	0.000000	0.000000	-771.88	-1741
1	FID		ACIS-S-4	7.25	2530	1.000	0.161	-0.018	0.016	0.024	0.000000	0.000000	2141.45	166
2	FID		ACIS-S-5	7.25	2530	1.000	-0.291	0.138	0.007	0.013	0.000000	0.000000	-1824.24	161
3	GUIDE	used	501090240	7.60	5060	1.000	0.015	-0.001	0.128	0.213	163.533846	54.800857	304.67	-1753
4	GUIDE	used	501090288	8.45	5059	1.000	-0.021	0.143	0.124	0.209	164.443929	54.810119	-1584.41	-1760
5	GUIDE	used	501090840	8.38	5055	1.000	0.120	-0.016	0.127	0.228	162.716236	54.745640	2007.08	-1601
6	GUIDE	used	501092824	8.96	5054	1.000	-0.055	-0.030	0.151	0.266	164.184838	53.695617	-998.97	2246
7	GUIDE	used	501093120	8.75	5055	1.000	-0.058	-0.093	0.137	0.243	162.906670	54.049812	1686.24	915

2.4 Star Slots

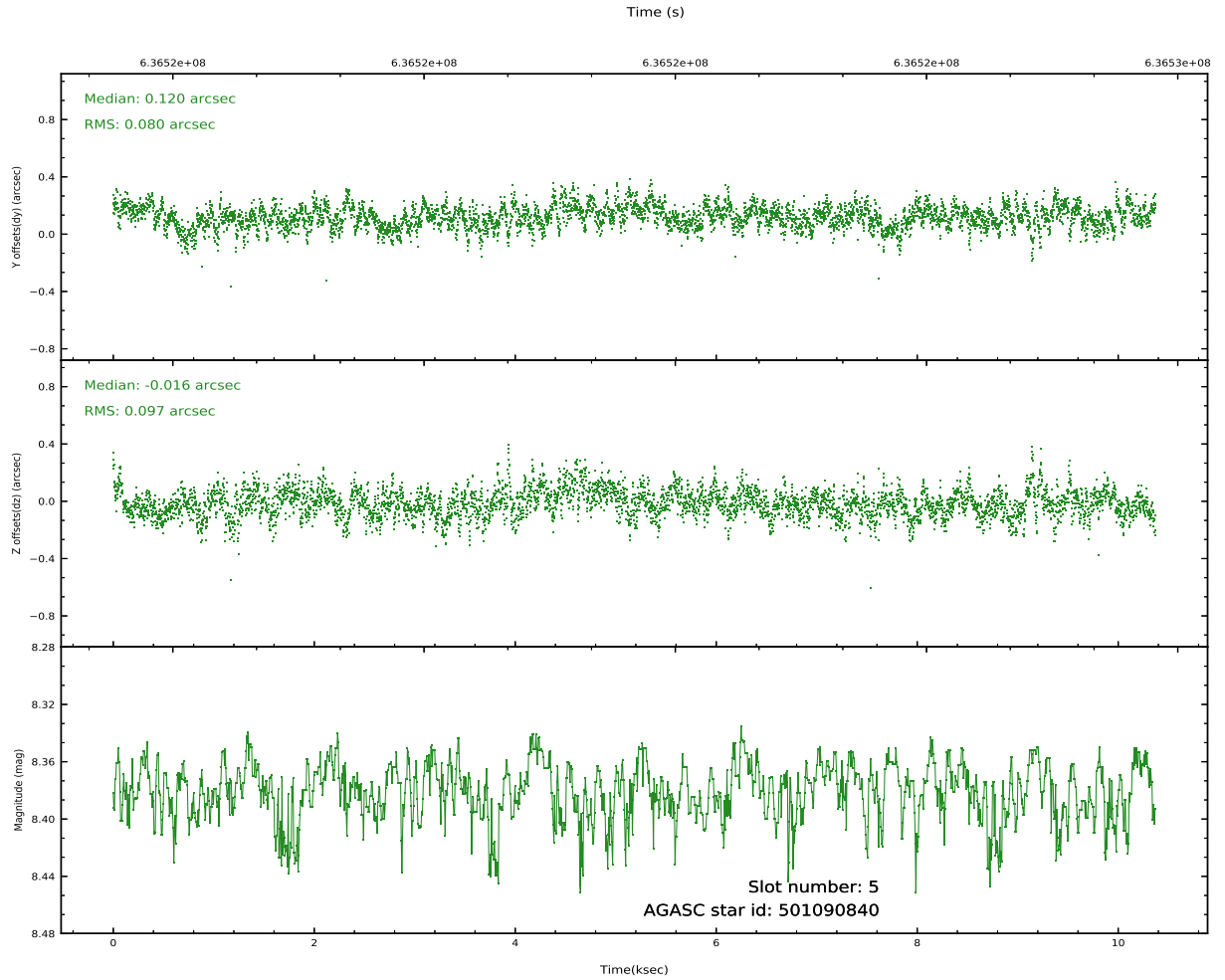
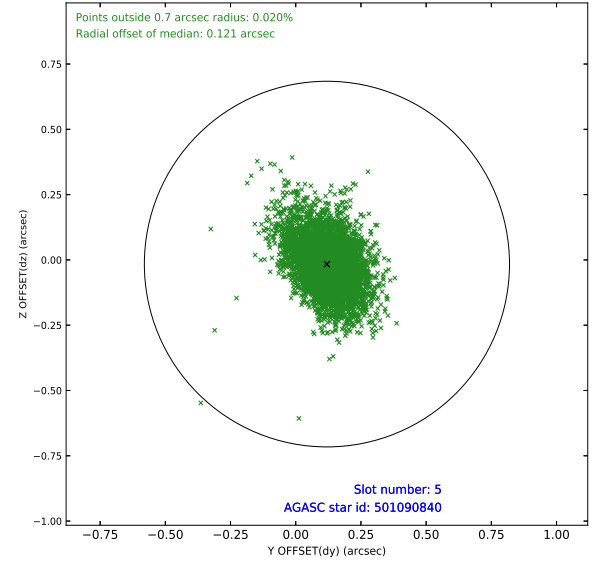
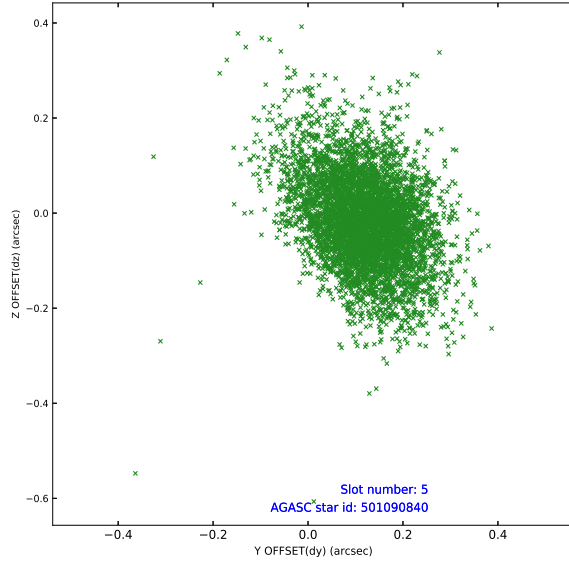
2.4.1 Slot 3



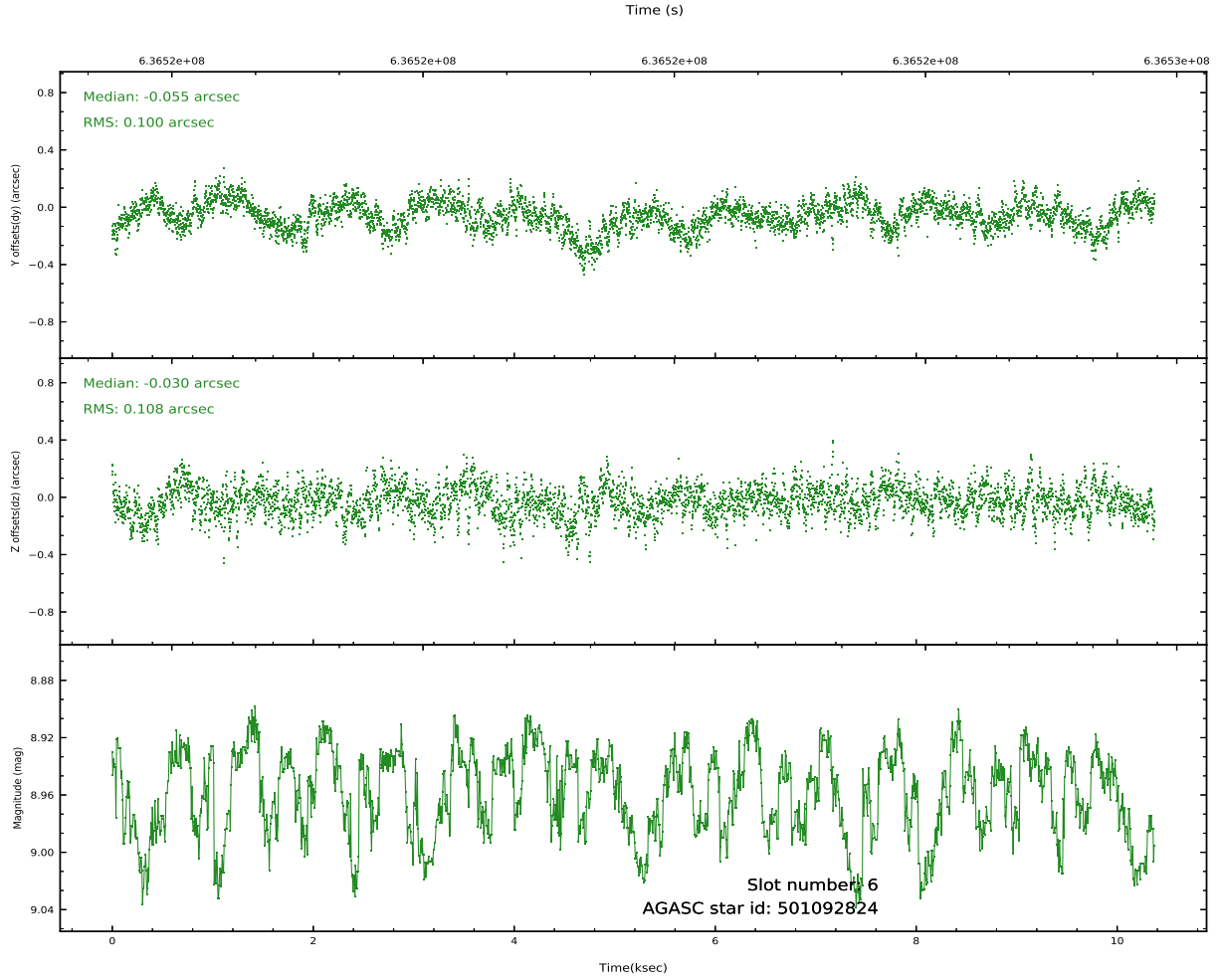
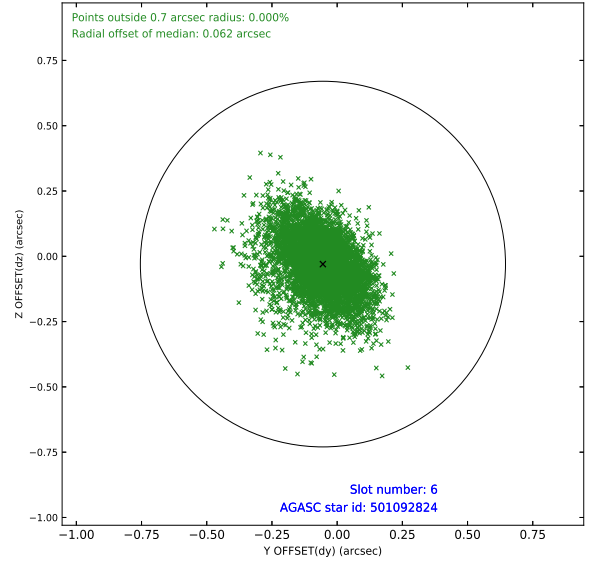
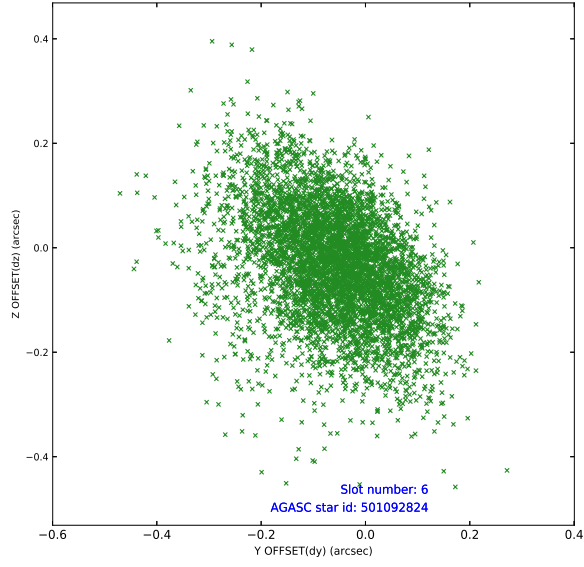
2.4.2 Slot 4



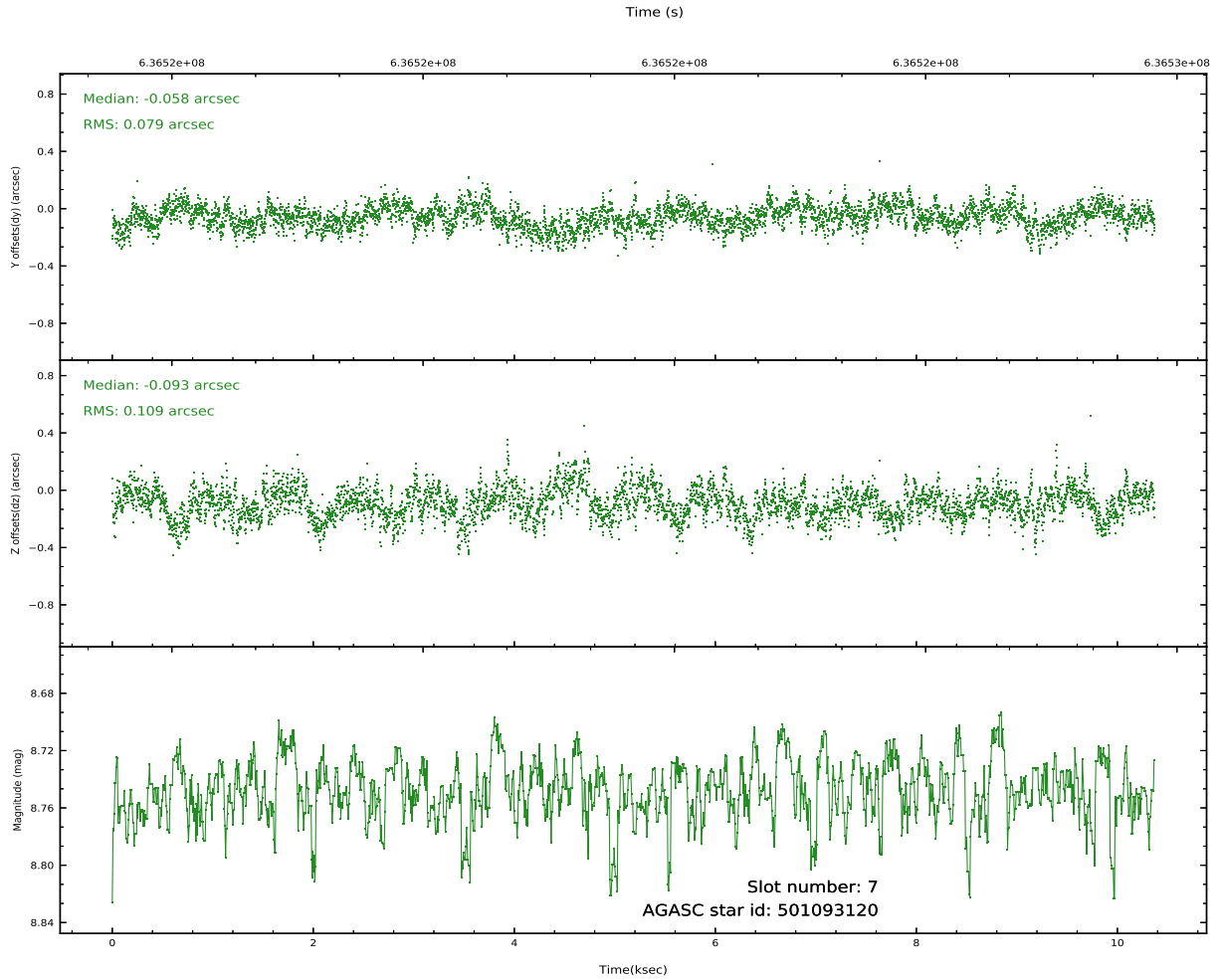
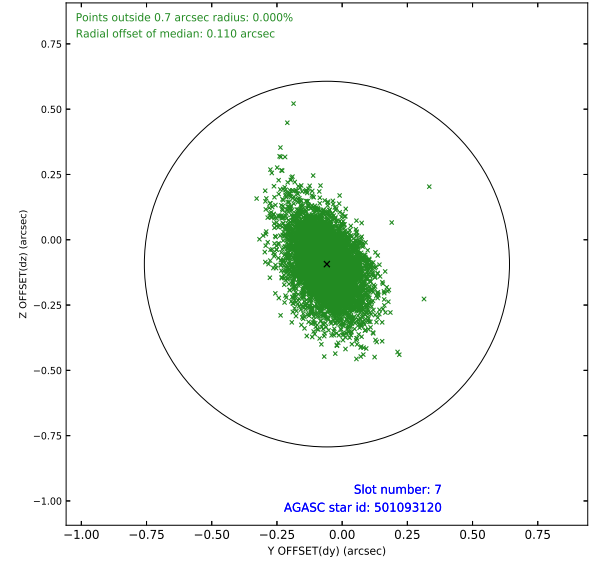
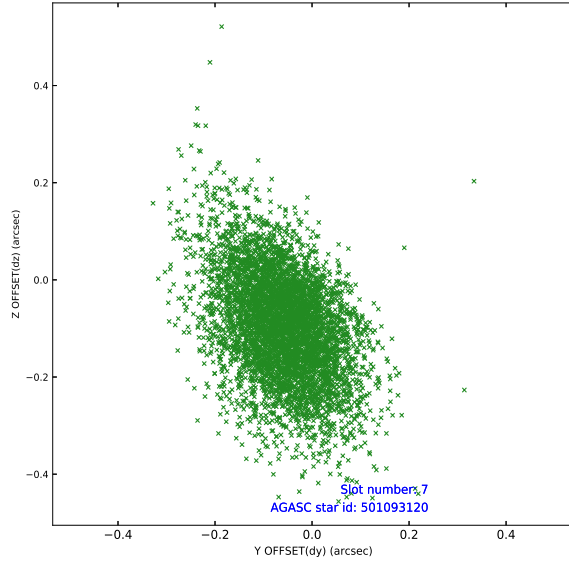
2.4.3 Slot 5



2.4.4 Slot 6

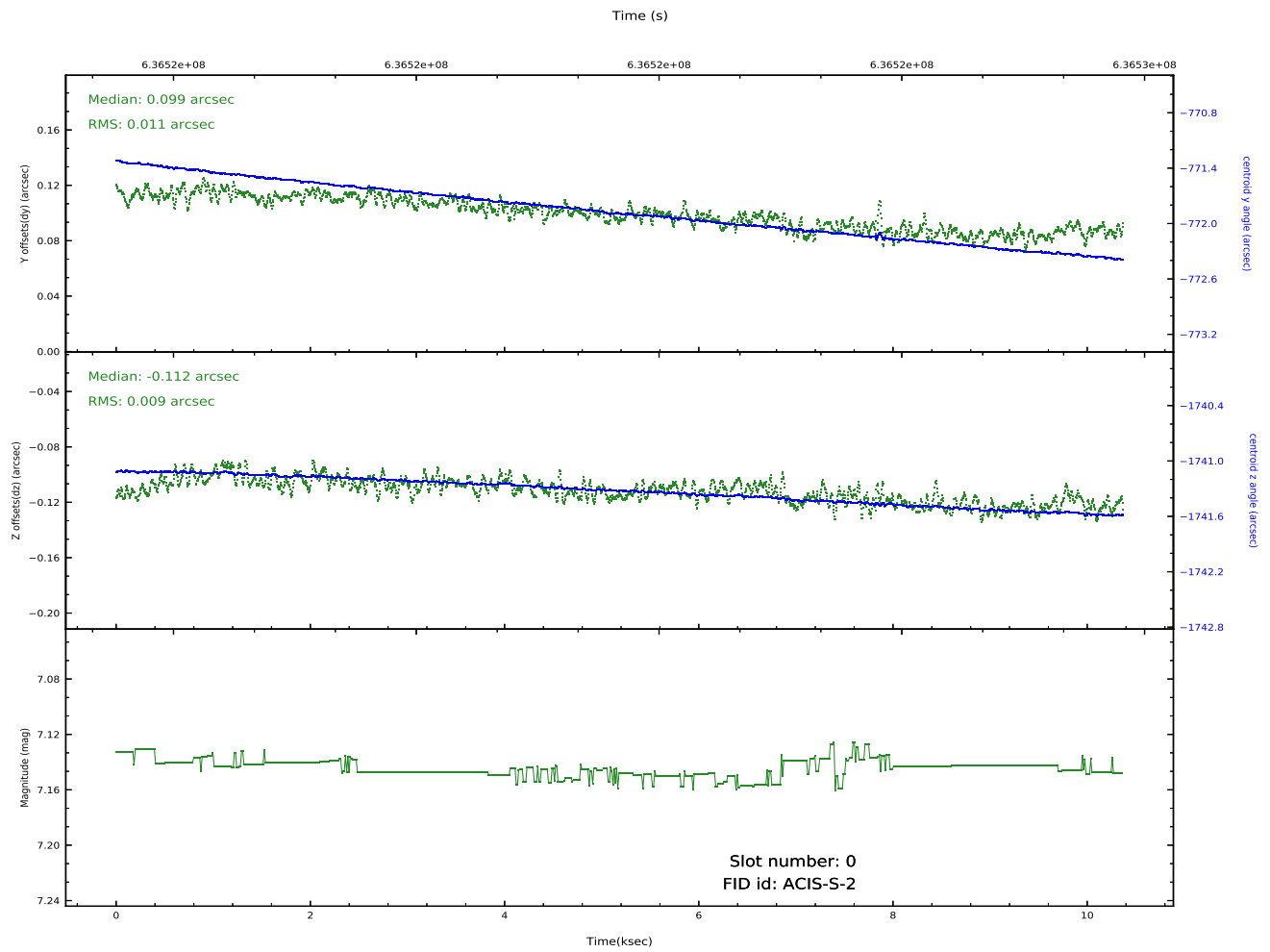
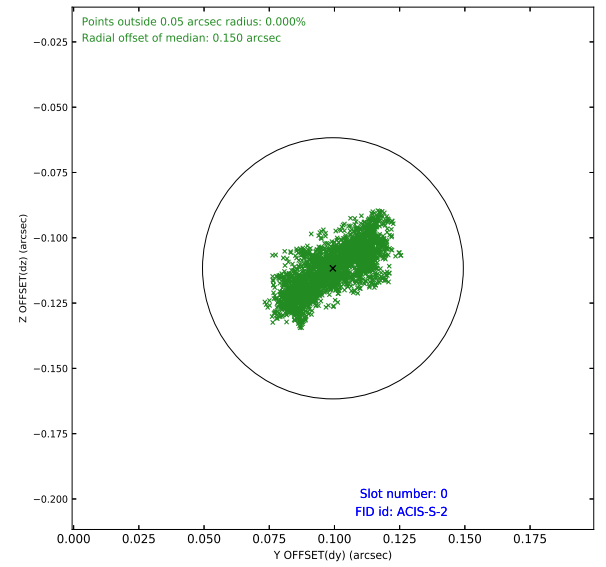
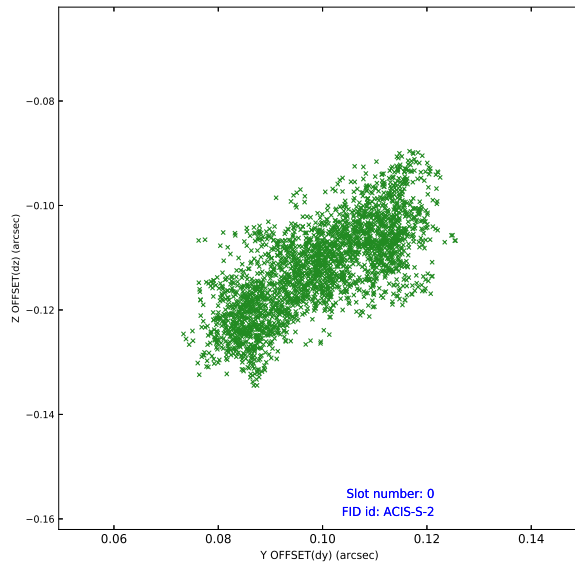


2.4.5 Slot 7

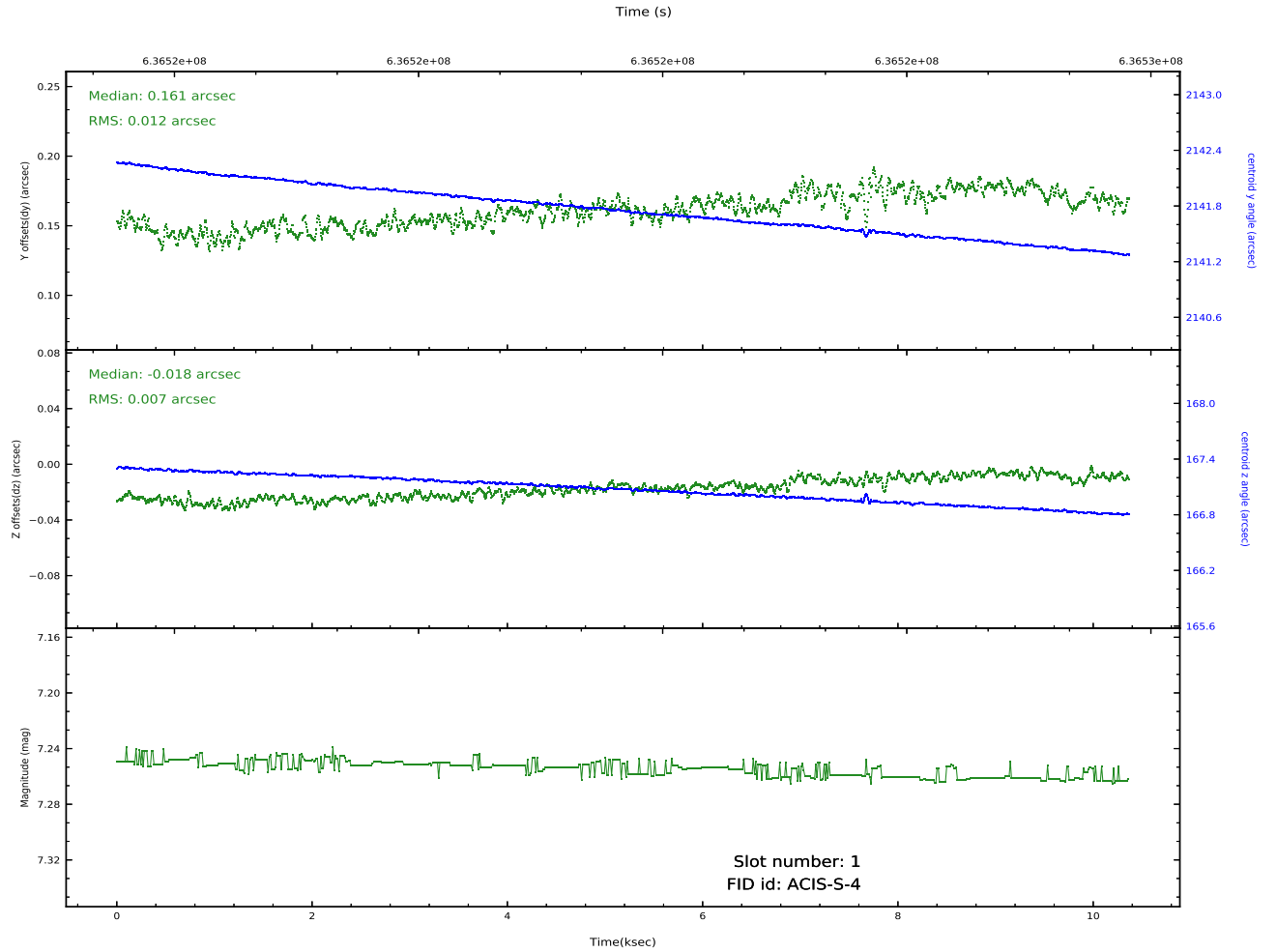
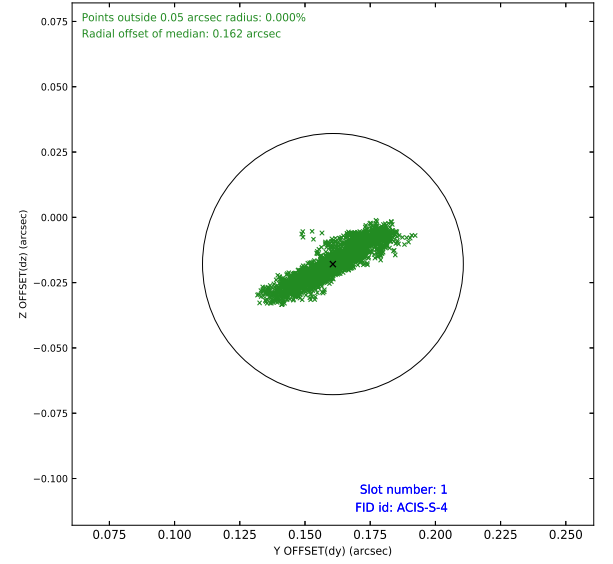
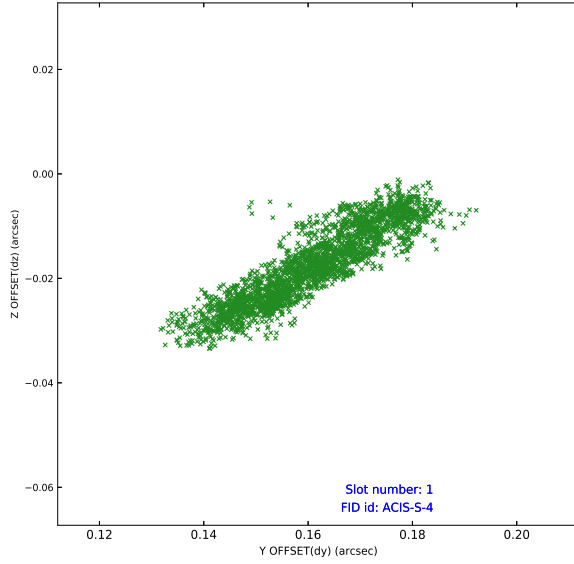


2.5 FID Slots

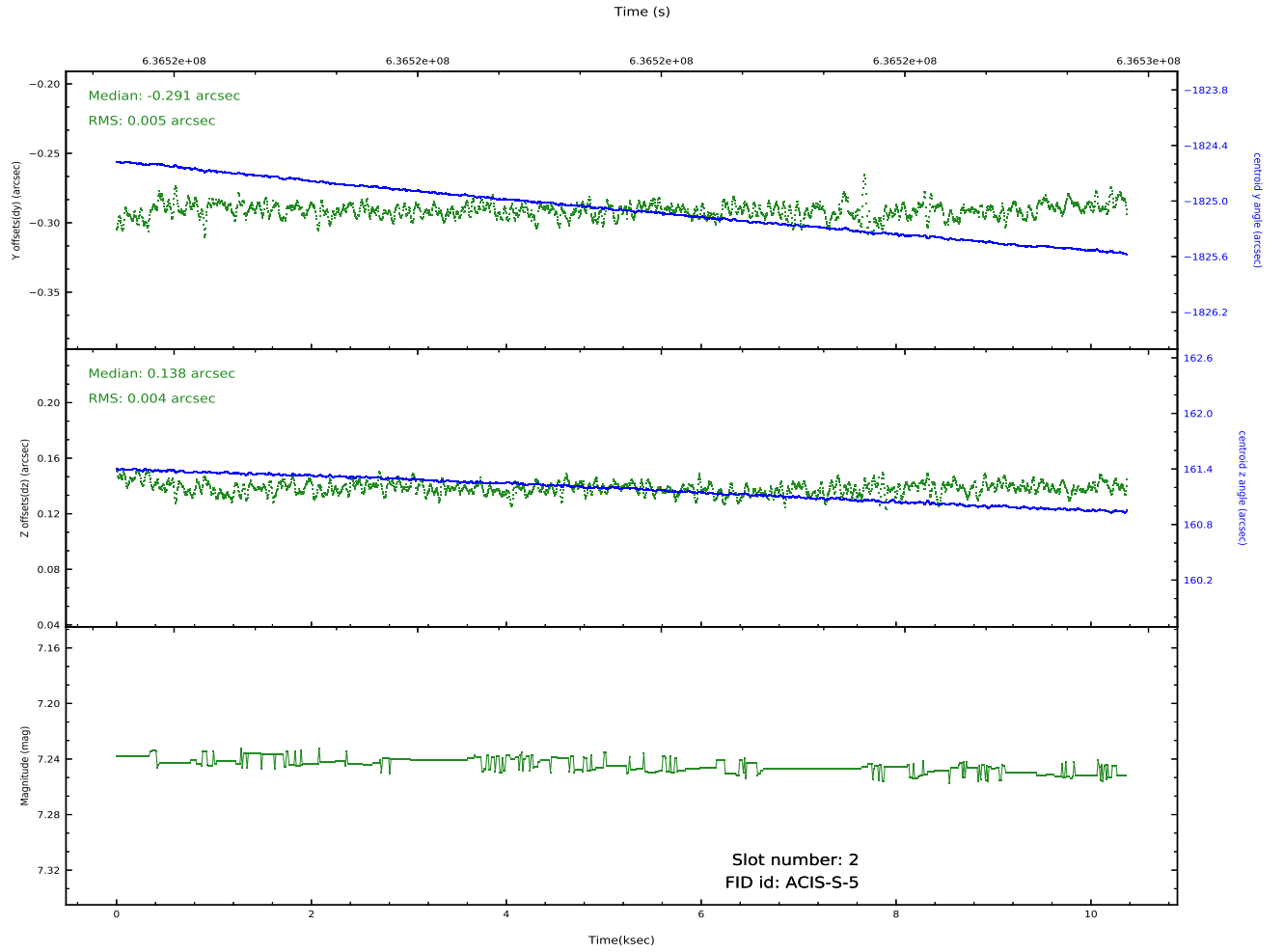
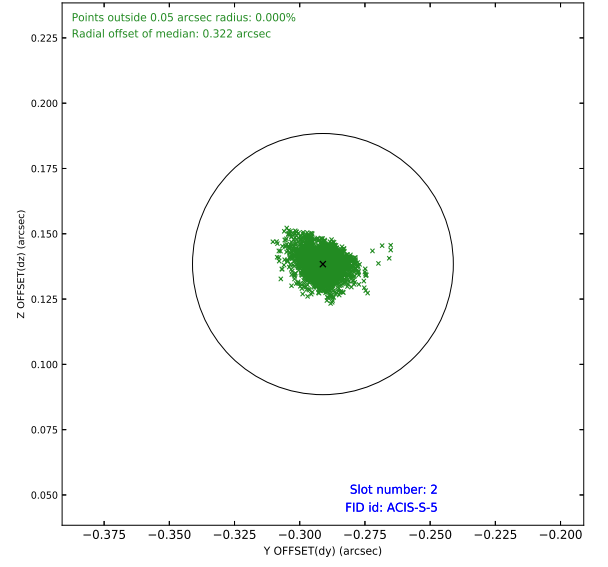
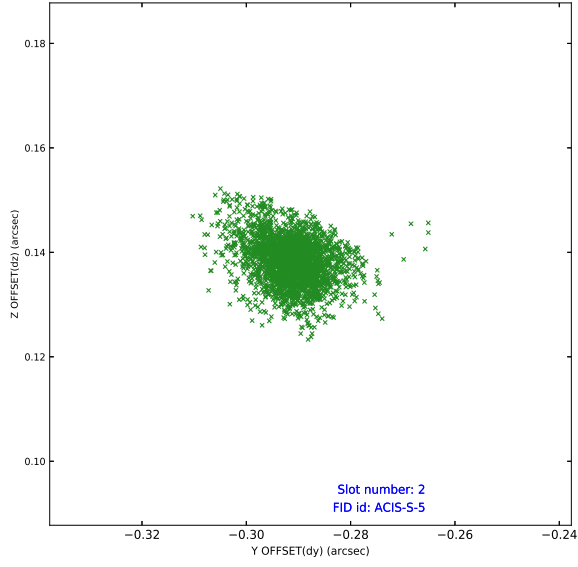
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.10290007782

A.2 Comments