

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20485 - L2 Version 2
Chandra X-Ray Center

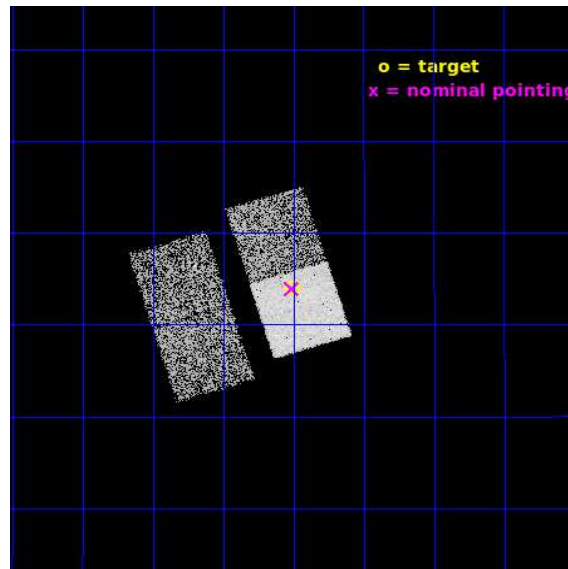
L2 Processing Date : Oct 24 2020

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1 Front

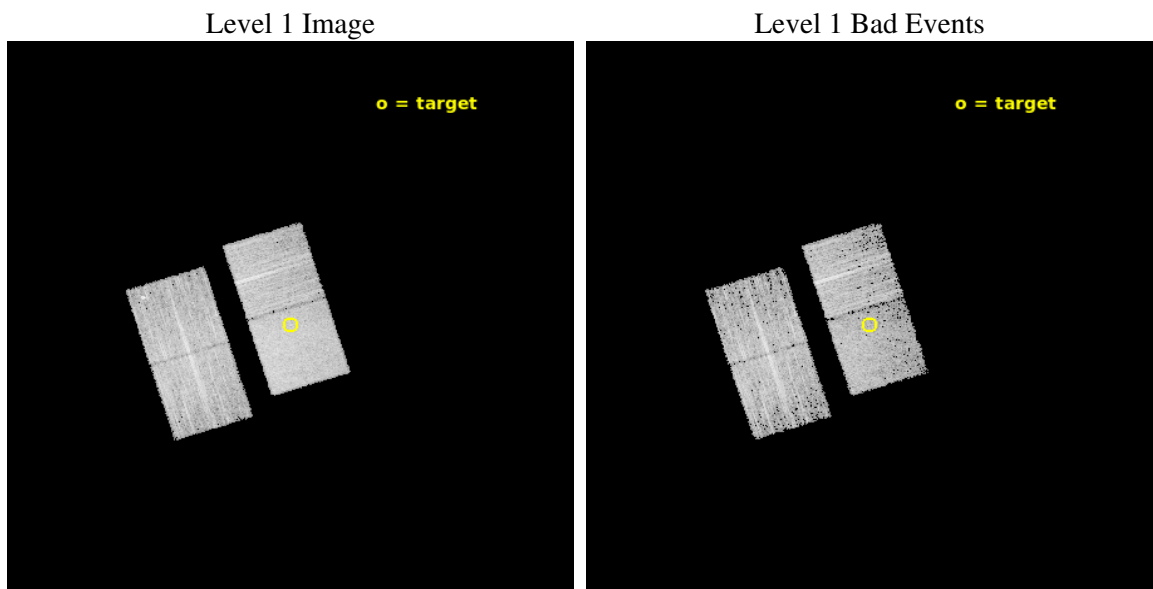
seq_num	703588	Sequence number
obs_id	20485	Observation id
title	Young Radio Sources at High Redshift	Proposal title
observer	Aneta Siemiginowska	Principal investigator
object	NVSS J162830+115403	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.126667	Observer's specified target RA [deg]
dec_targ	11.900972	Observer's specified target Dec [deg]
ra_nom	247.12750009591	Nominal RA [deg]
dec_nom	11.89891704138	Nominal Dec [deg]
roll_nom	72.439562393975	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6066.7000467777	Sum of GTIs [s]
liveltime	5987.434144427	Livetime [s]
ontime2	6066.7000467777	Sum of GTIs [s]
ontime3	6066.7000467777	Sum of GTIs [s]
ontime6	6066.7000467777	Sum of GTIs [s]
ontime7	6066.7000467777	Sum of GTIs [s]
l2events	36905	Number of level 2 events



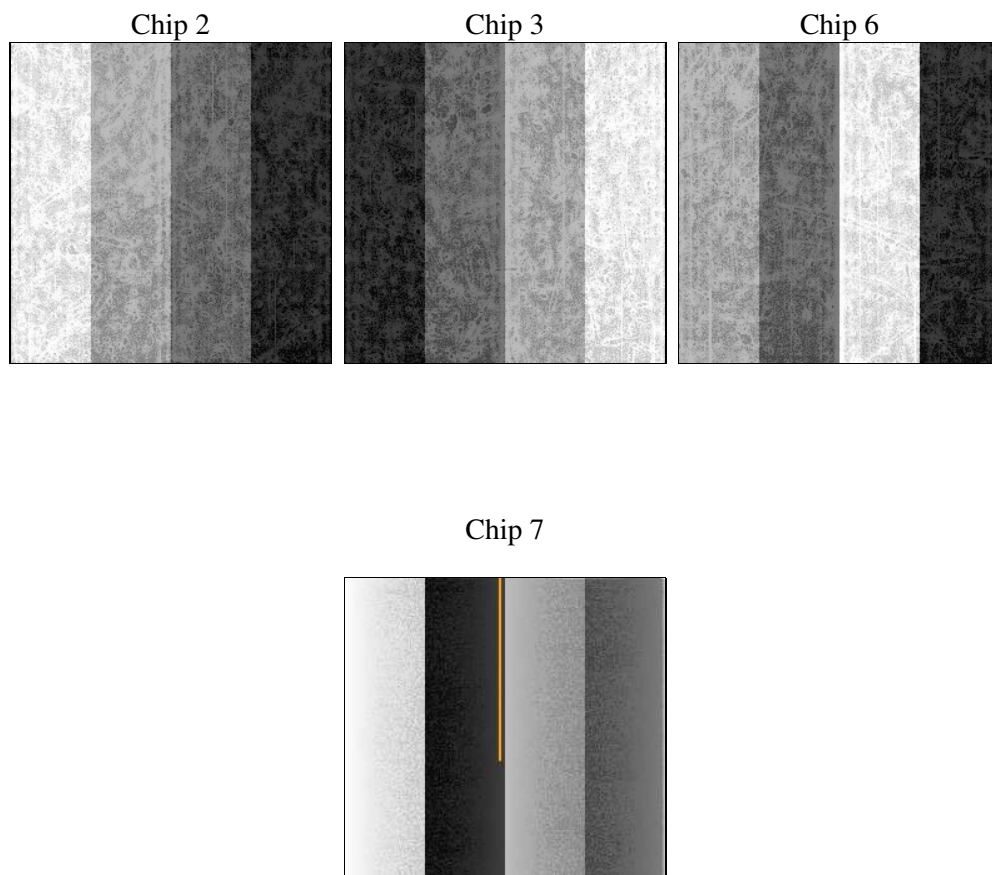
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	6066.7000467777	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	6066.7000467777	Sum of GTIs [s]
date	2020-10-24T15:47:04	Date and time of file creation	ontime3	6066.7000467777	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6066.7000467777	Sum of GTIs [s]
			ontime7	6066.7000467777	Sum of GTIs [s]
			l1events	190485	Number of level 1 events

2.1.4 Events

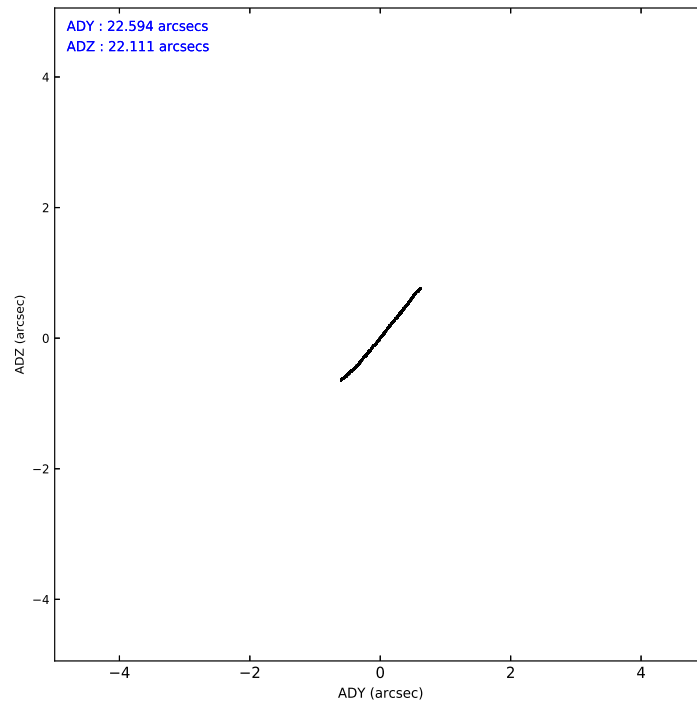
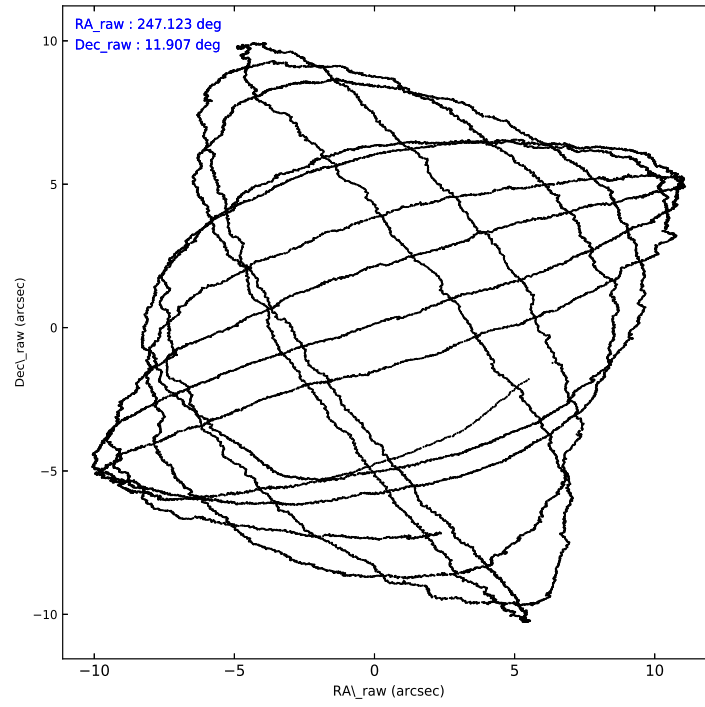
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	43390	44996	44892	57207
rejected events	38159	40483	39729	32060
rejected %	87%	89%	88%	56%

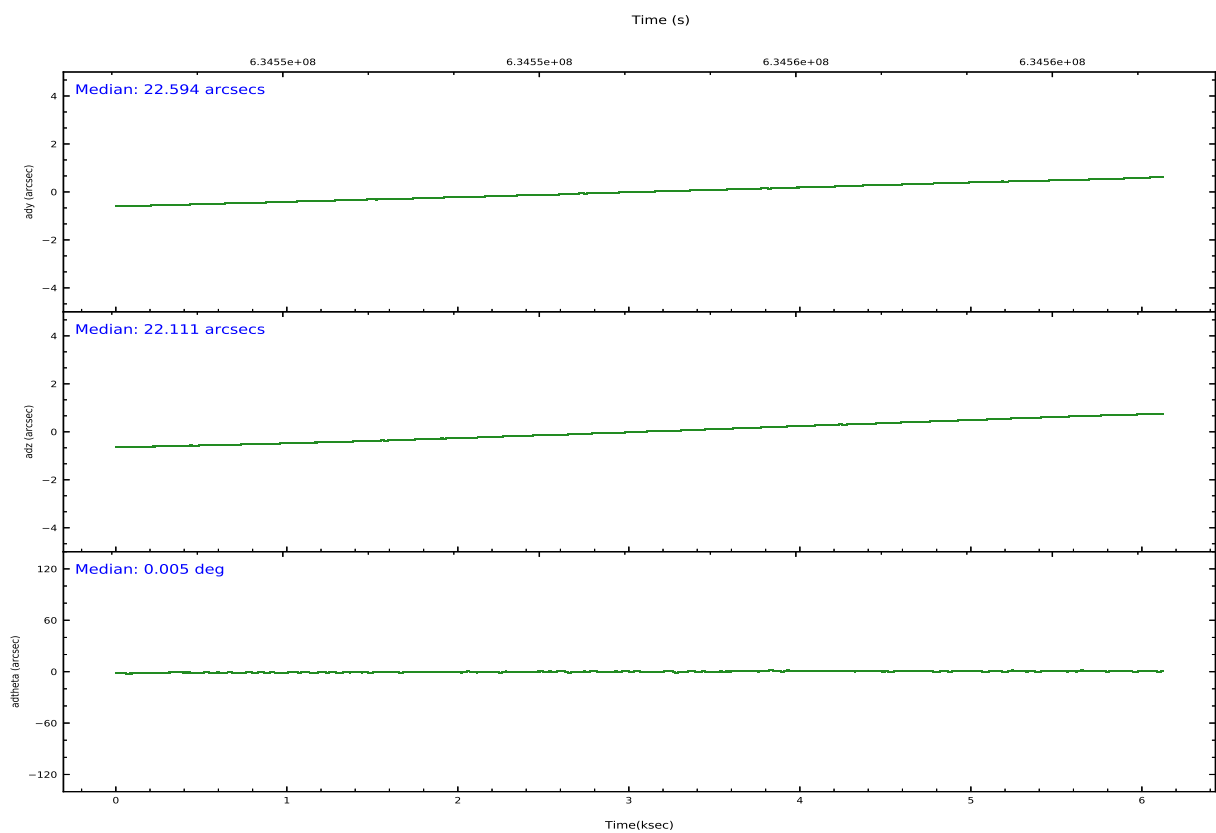
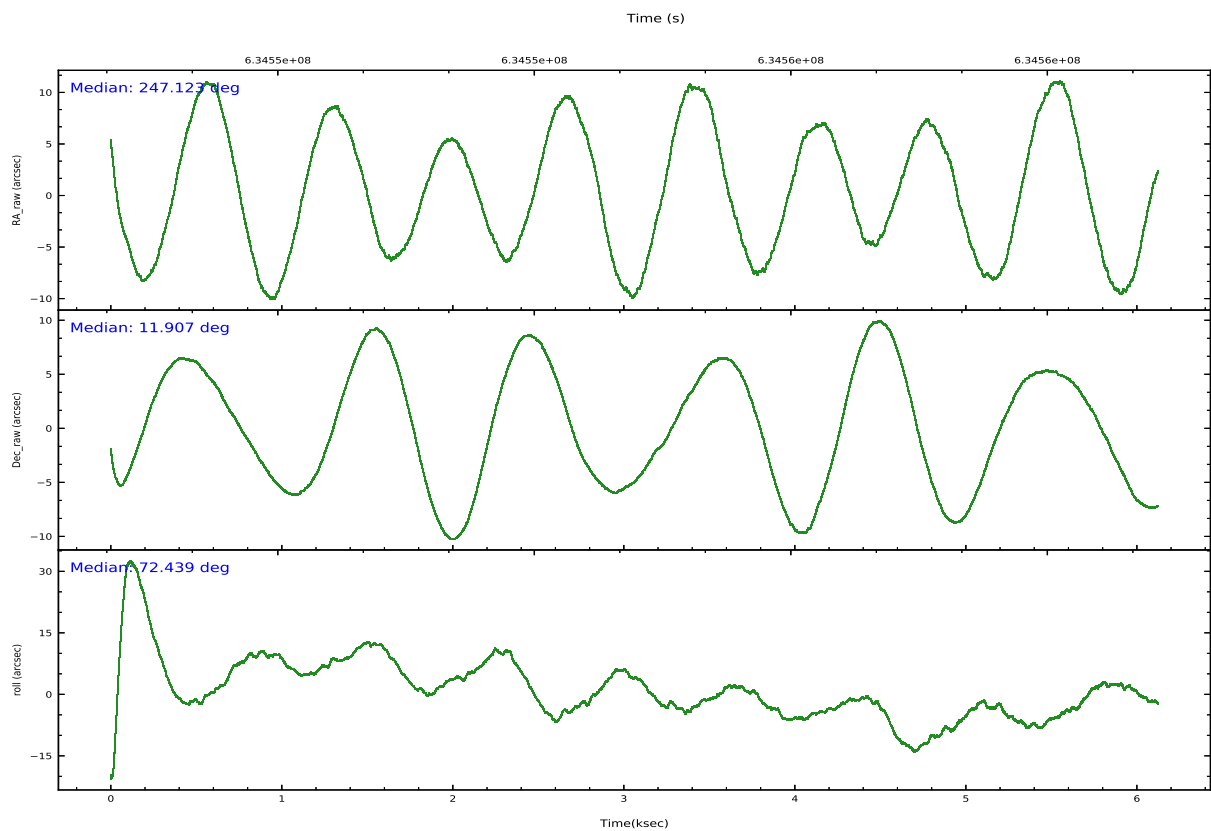
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2120	1634	1695	2156
	4%	3%	3%	3%
grade 1 events	39	32	15	72
	0%	0%	0%	0%
grade 2 events	1207	975	1219	5325
	2%	2%	2%	9%
grade 3 events	492	500	489	1998
	1%	1%	1%	3%
grade 4 events	501	507	505	2059
	1%	1%	1%	3%
grade 5 events	1796	2102	2092	5833
	4%	4%	4%	10%
grade 6 events	911	899	1256	13622
	2%	1%	2%	23%
grade 7 events	36324	38347	37621	26142
	83%	85%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	247.129843	247.12750009591	CCD I2 on	O1	Y
[deg] Pointing Dec	11.880363	11.89891704138	CCD I3 on	O3	Y
[deg] Pointing Roll	72.294420	72.439562393975	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	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	634551147.184000	634549560.35201	CCD S5 on	N	N
Observation start date	2018-02-09T08:11:18	2018-02-09T07:46:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	634557147.184000	634557986.365	On-chip summing requested	N	N
Observation end date	2018-02-09T09:51:18	2018-02-09T10:06:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



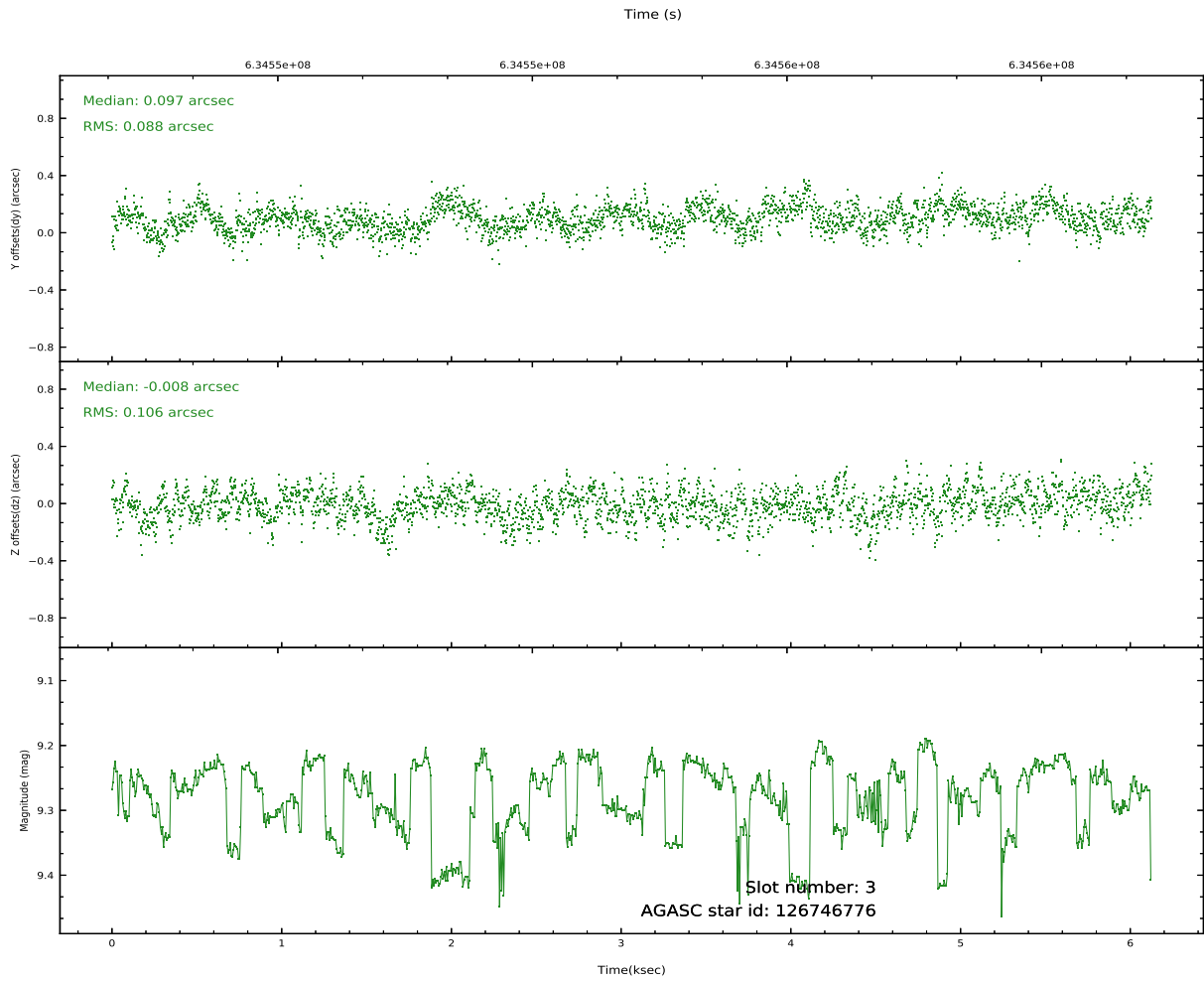
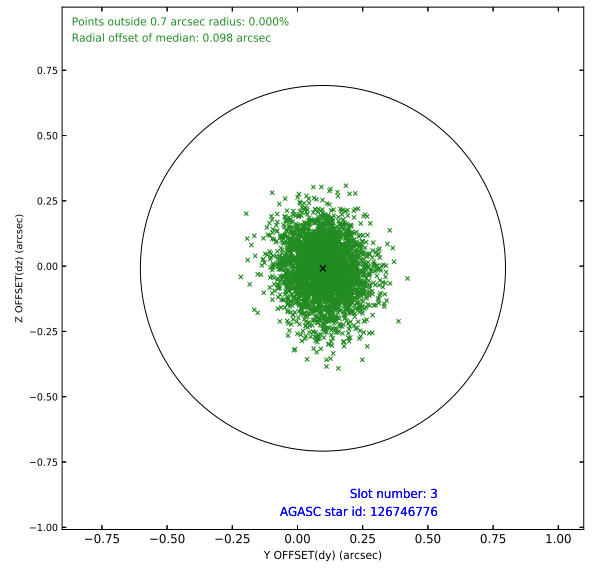
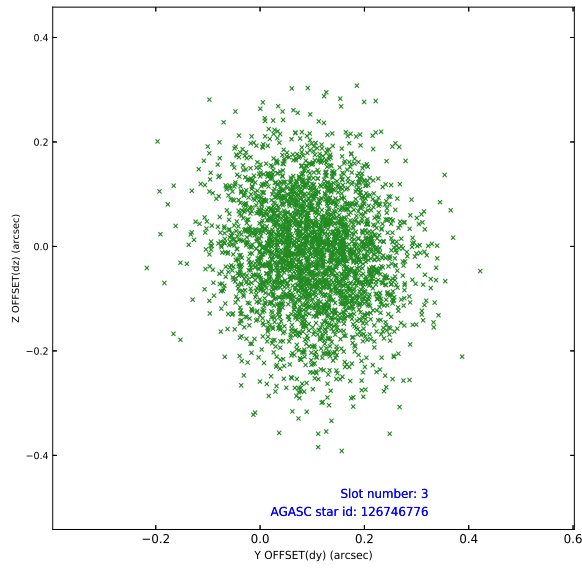


Slot Statistics

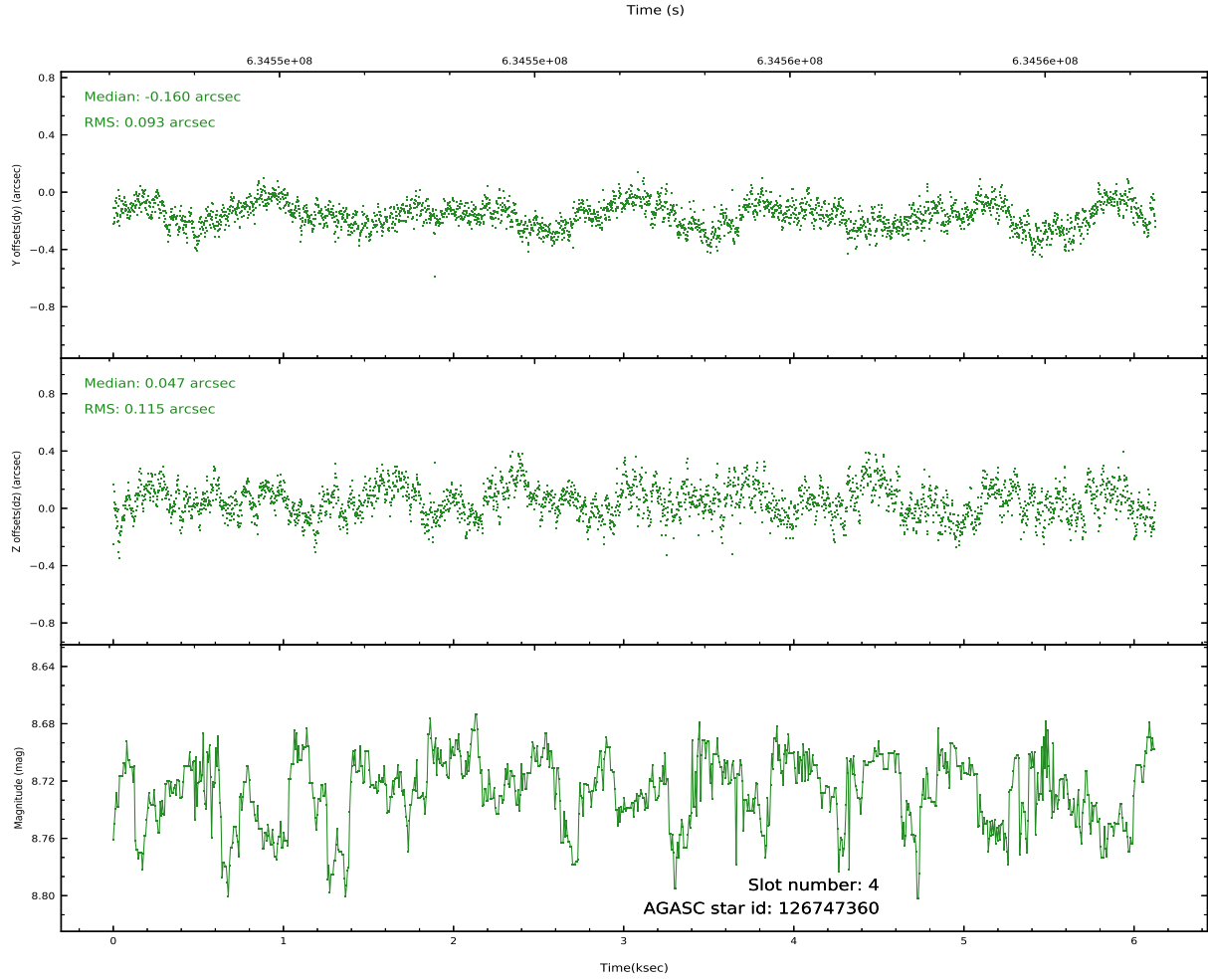
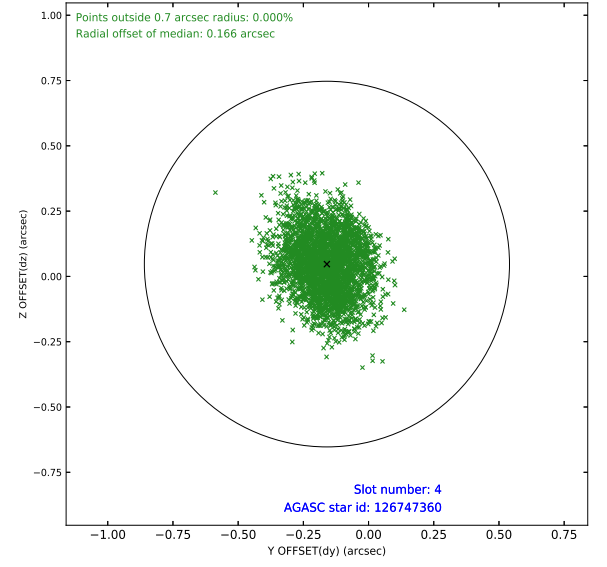
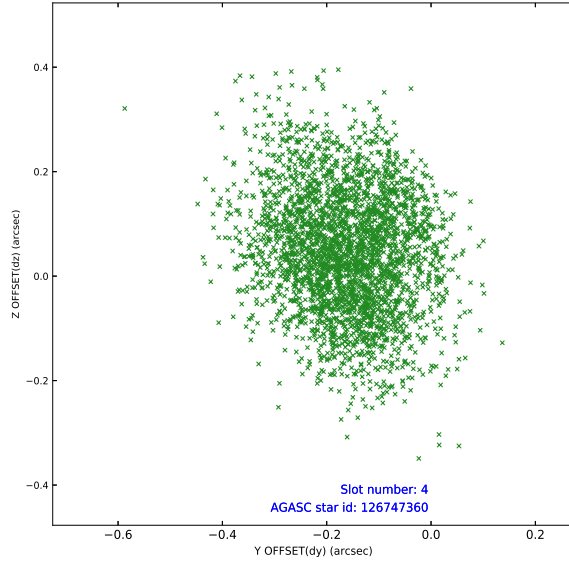
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.01	1494	1.000	0.187	-0.107	0.013	0.020	0.000000	0.000000	-775.87	-1743
1	FID		ACIS-S-4	7.12	1494	1.000	0.057	-0.062	0.020	0.033	0.000000	0.000000	2137.14	163
2	FID		ACIS-S-5	7.13	1494	1.000	-0.280	0.176	0.017	0.030	0.000000	0.000000	-1827.64	159
3	GUIDE	used	126746776	9.27	2988	1.000	0.097	-0.008	0.147	0.243	246.713759	12.612745	2068.66	2195
4	GUIDE	used	126747360	8.72	2988	1.000	-0.160	0.047	0.160	0.252	246.695134	12.055664	137.54	1651
5	GUIDE	used	126757400	8.90	2987	1.000	-0.116	-0.141	0.152	0.251	246.757601	12.447695	1548.55	1868
6	GUIDE	used	126891256	8.24	2989	1.000	0.040	0.314	0.112	0.195	247.384823	11.938031	472.25	-791
7	GUIDE	used	126753296	8.34	2987	1.000	0.138	-0.207	0.117	0.210	246.435556	11.919063	-608.09	2373

2.4 Star Slots

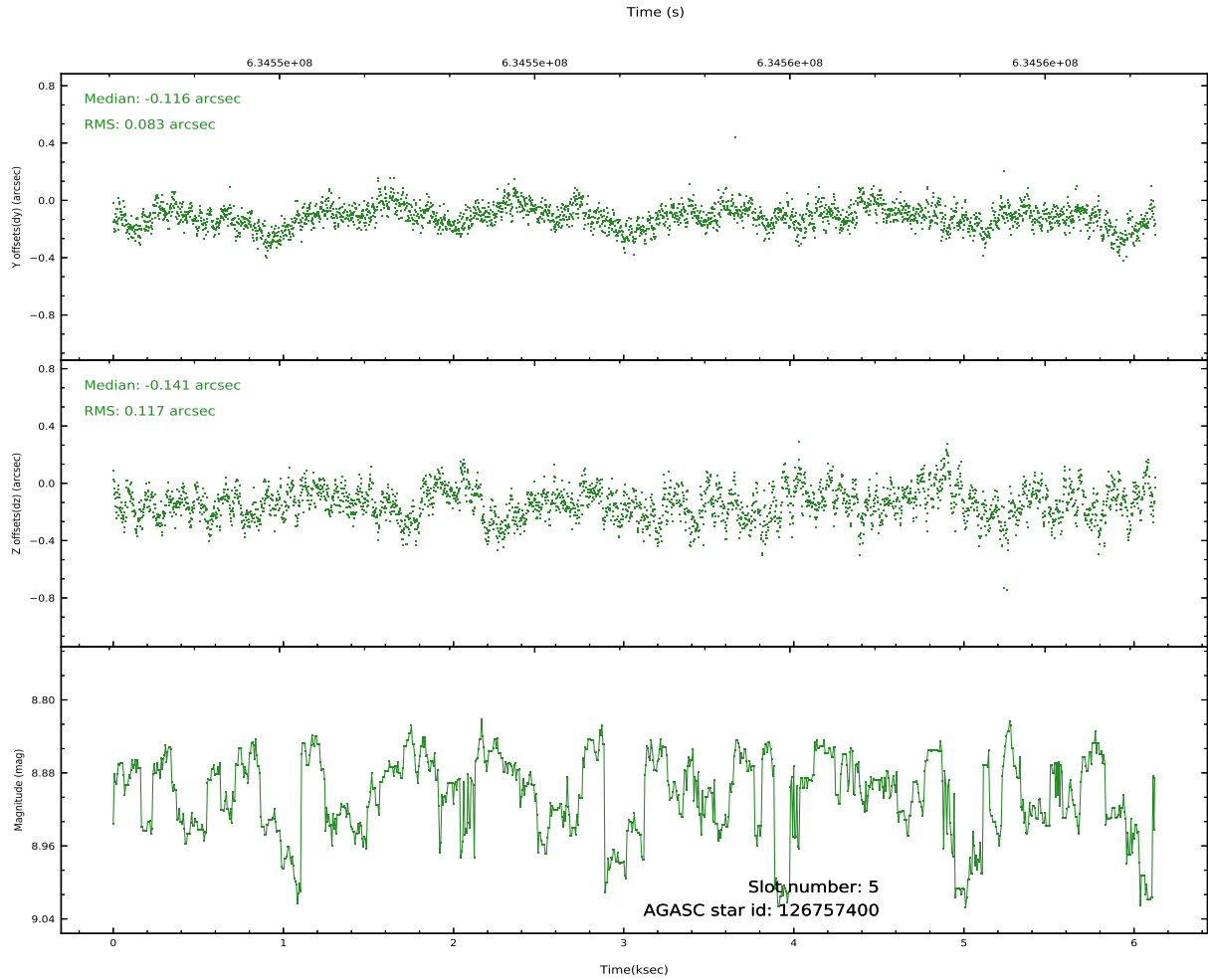
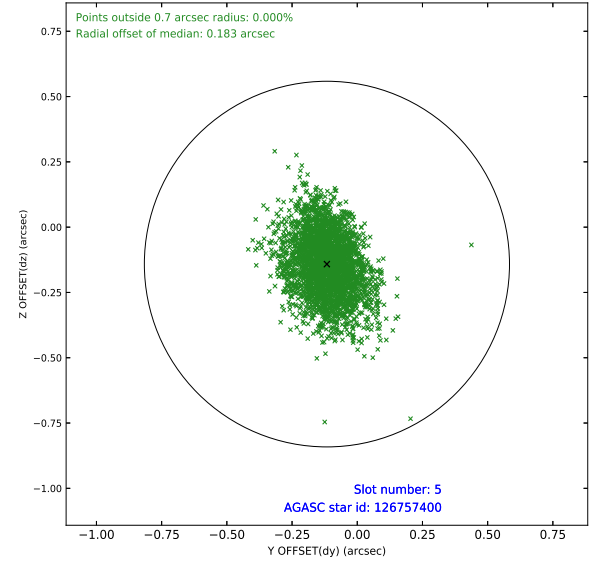
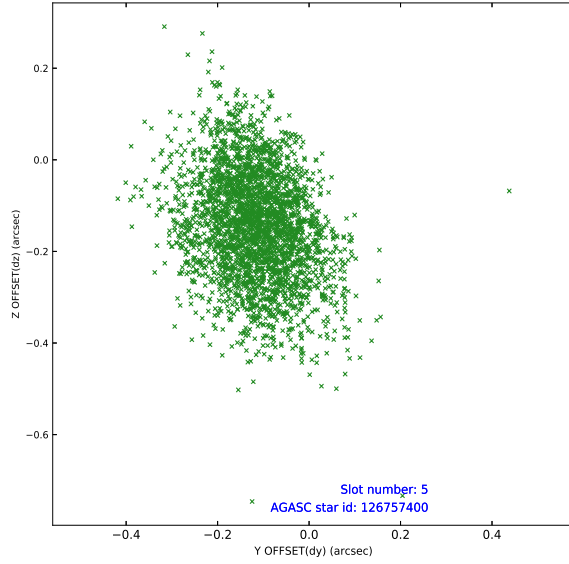
2.4.1 Slot 3



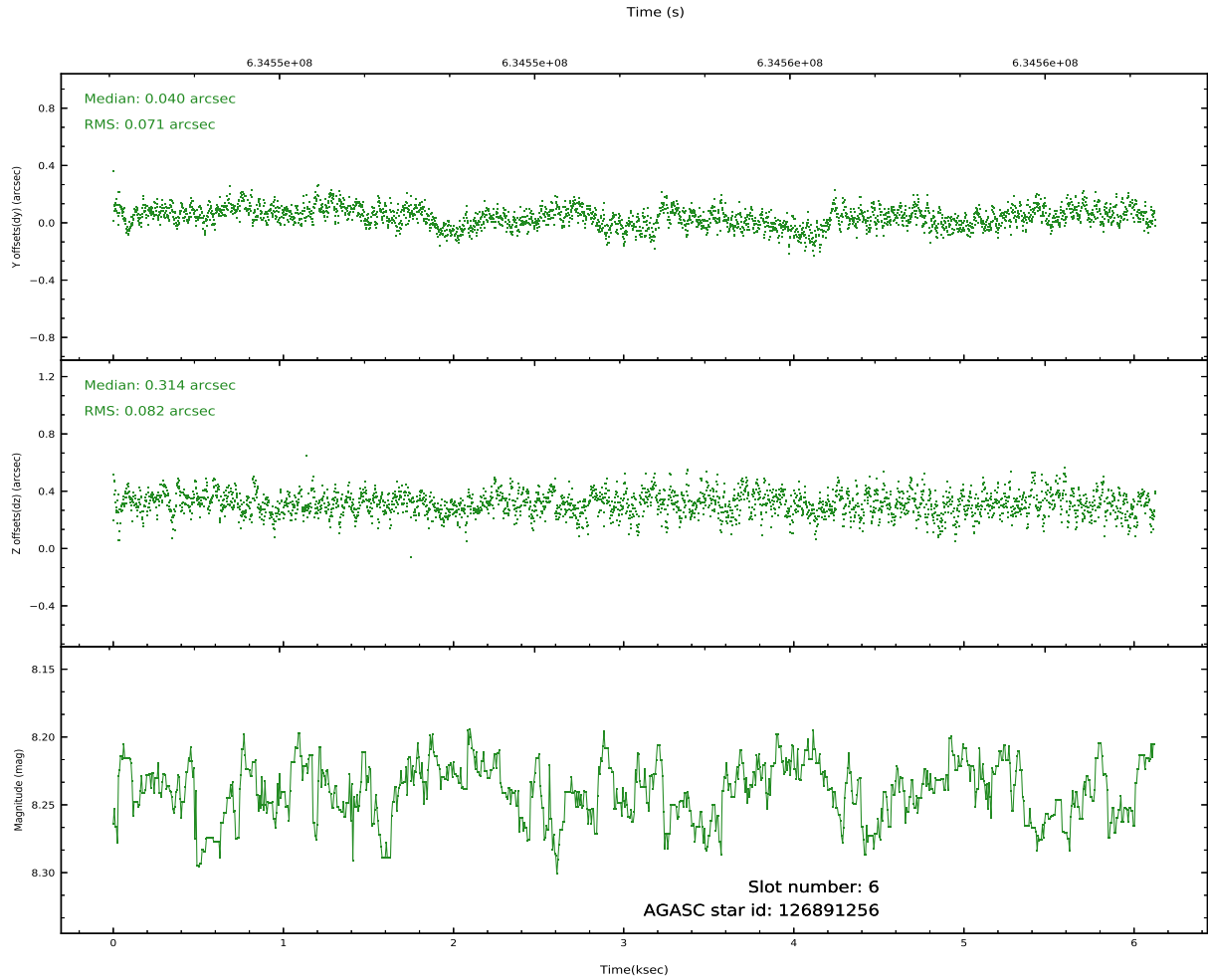
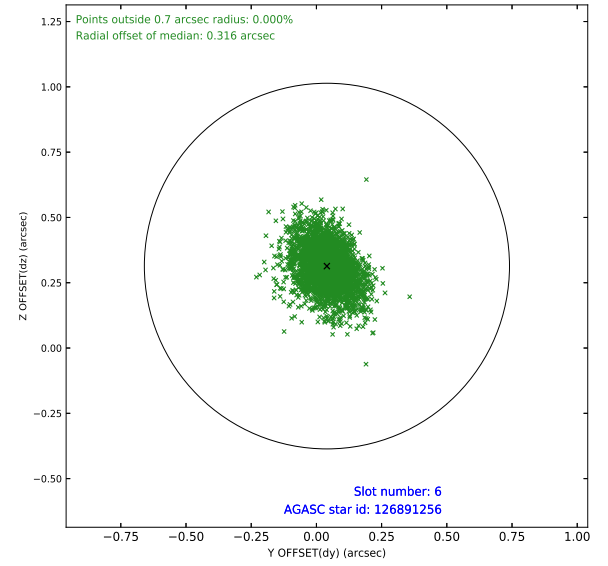
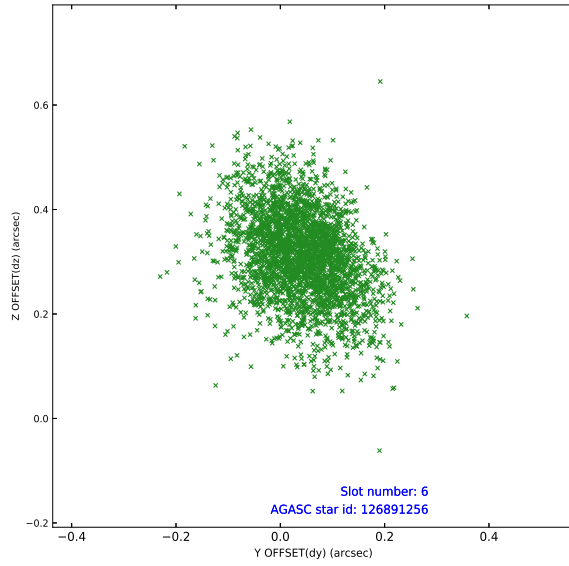
2.4.2 Slot 4



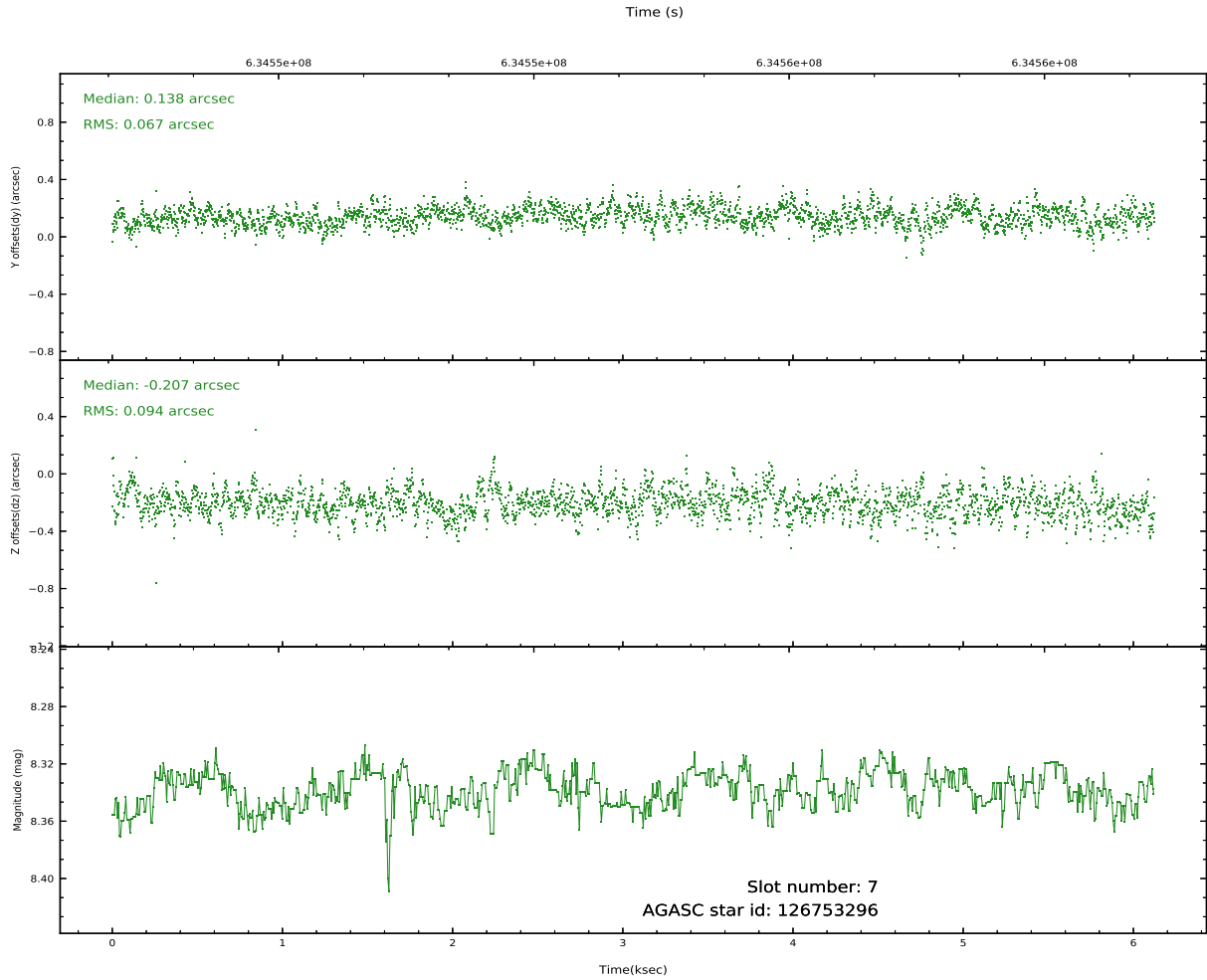
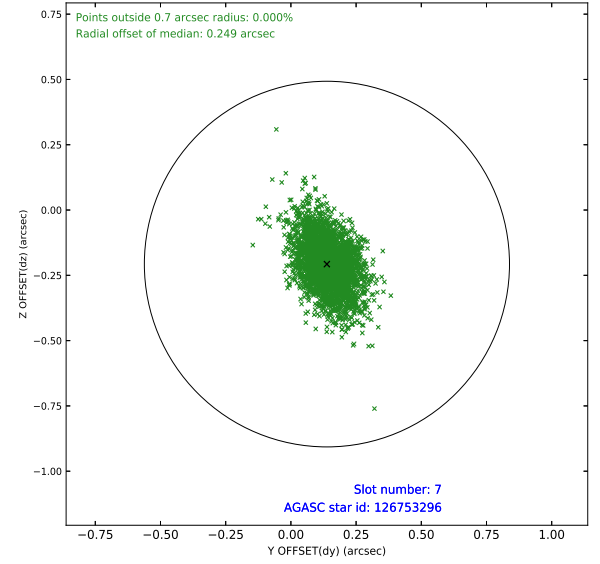
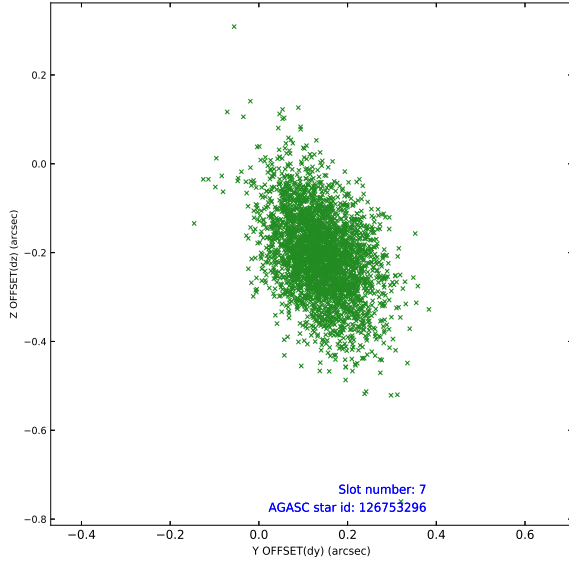
2.4.3 Slot 5



2.4.4 Slot 6

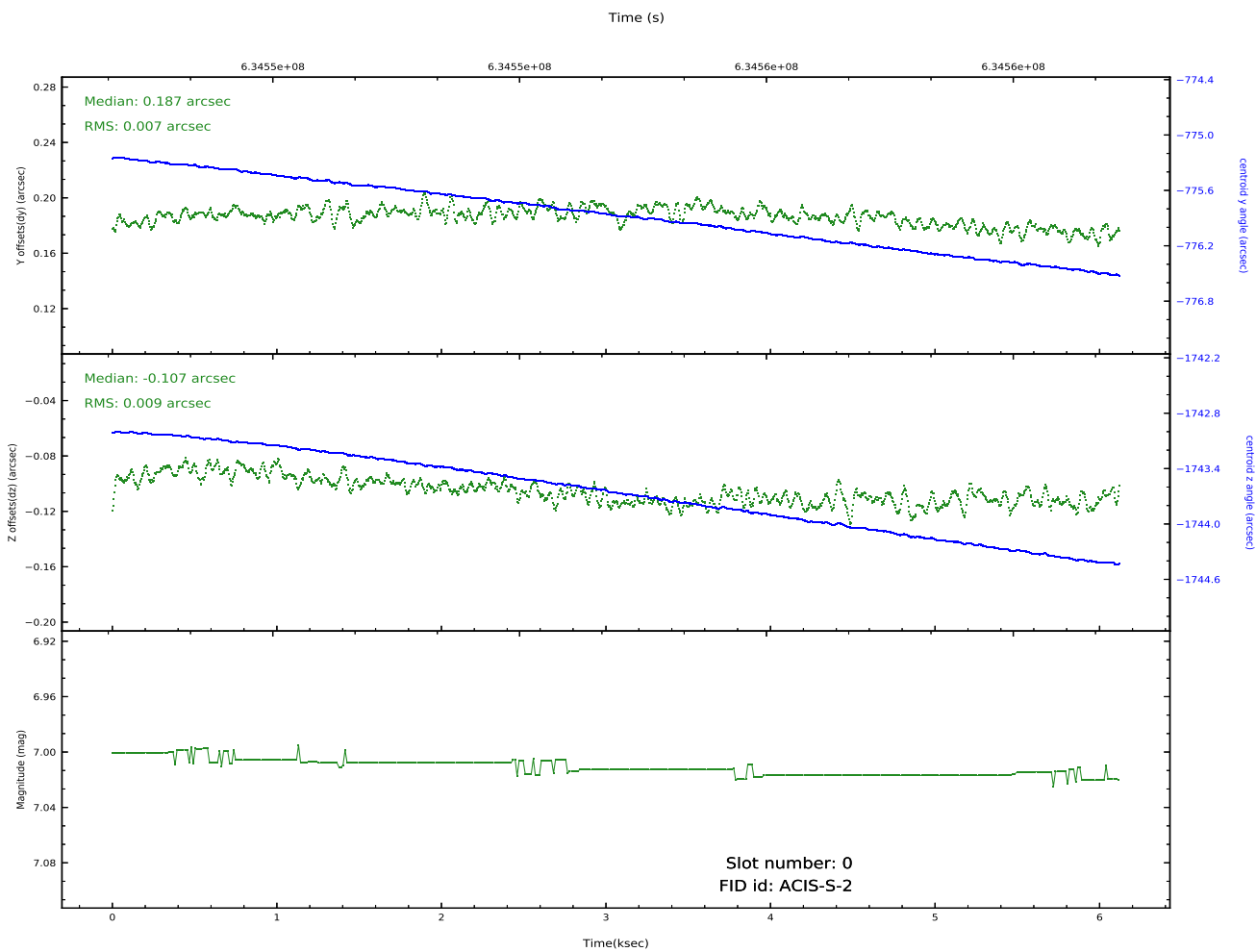
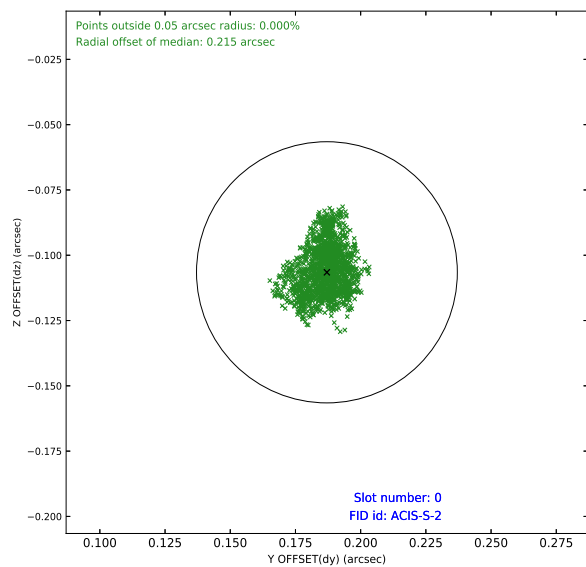
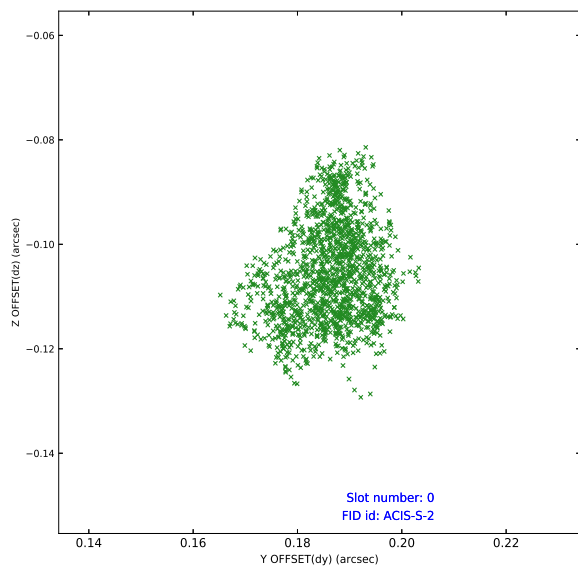


2.4.5 Slot 7

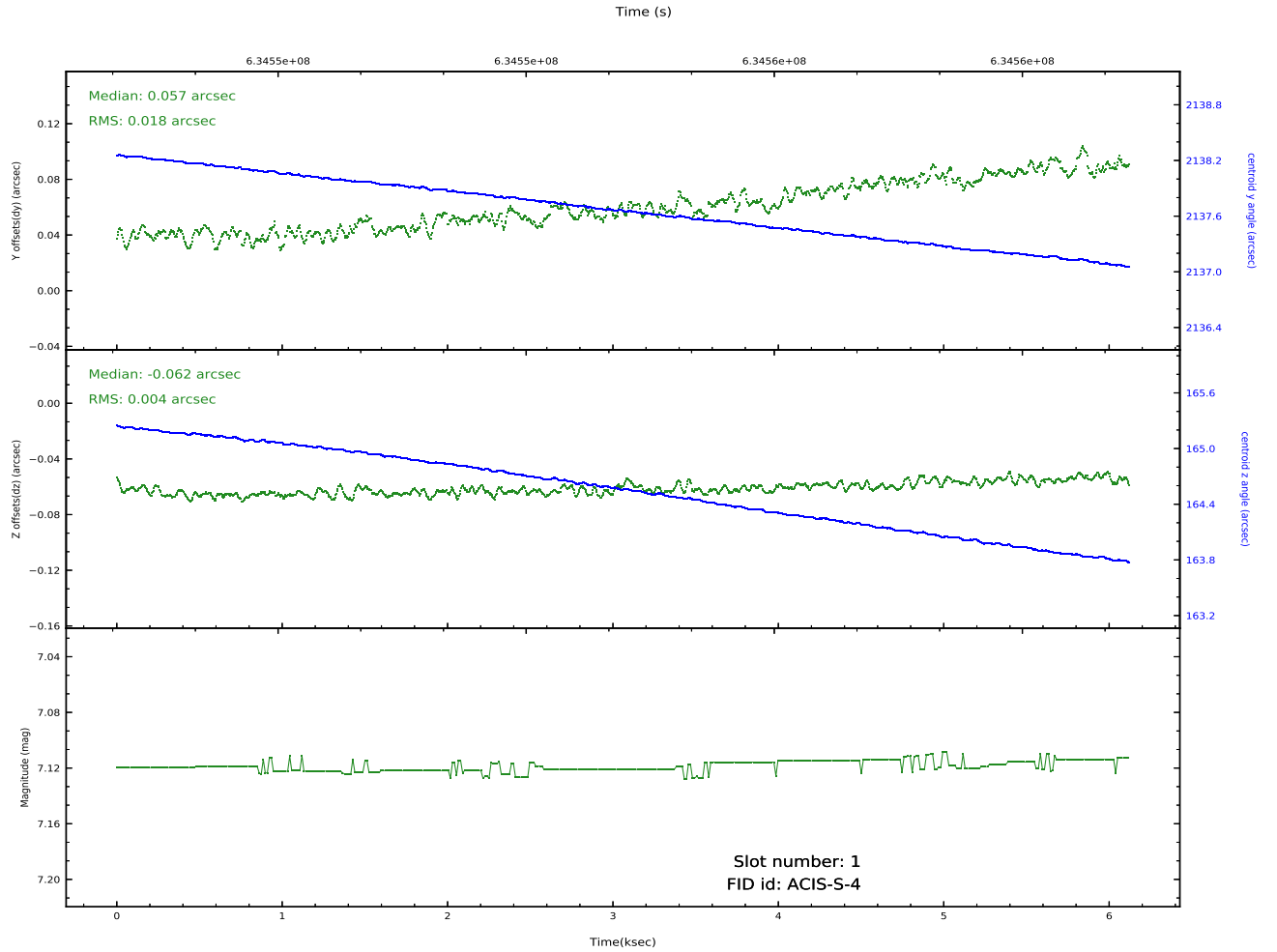
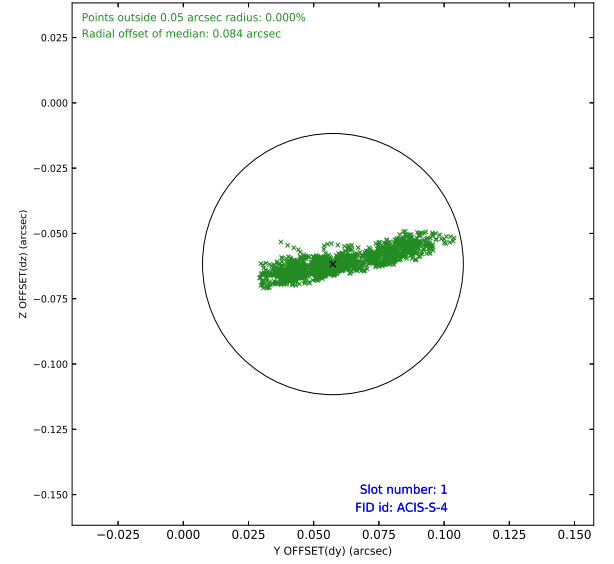
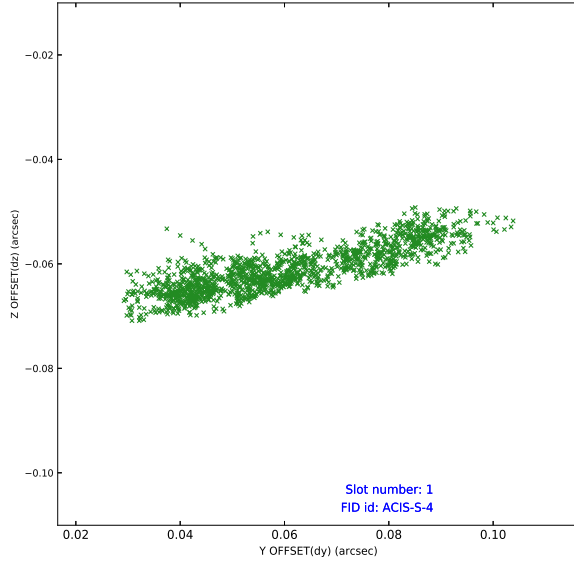


2.5 FID Slots

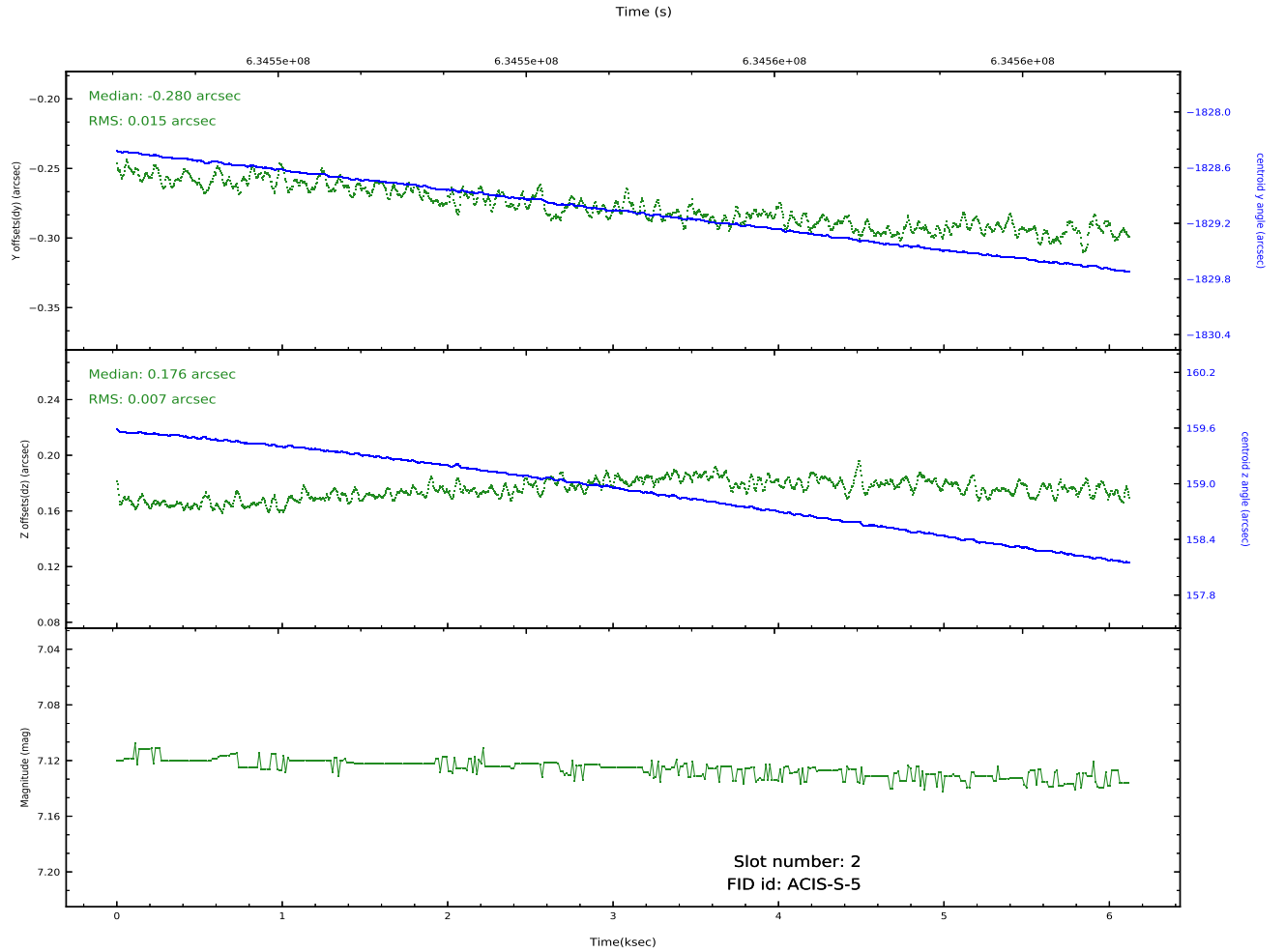
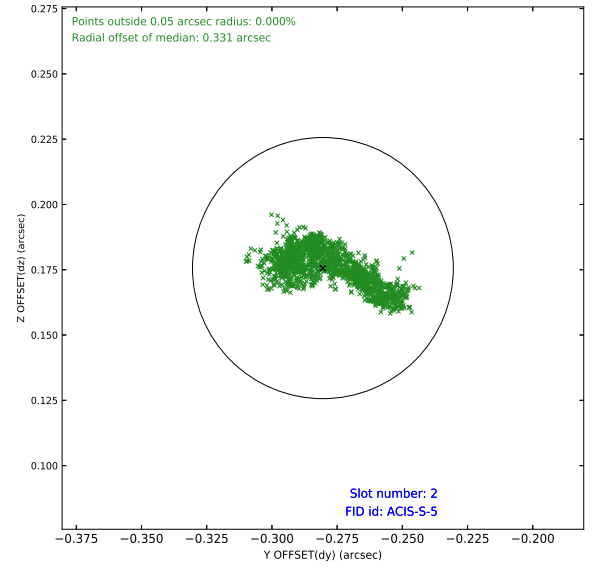
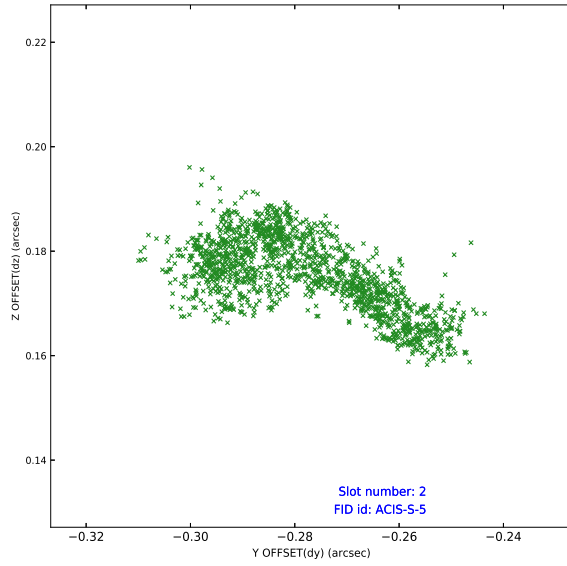
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0667000467777

A.2 Comments