

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20438 - L2 Version 2
Chandra X-Ray Center

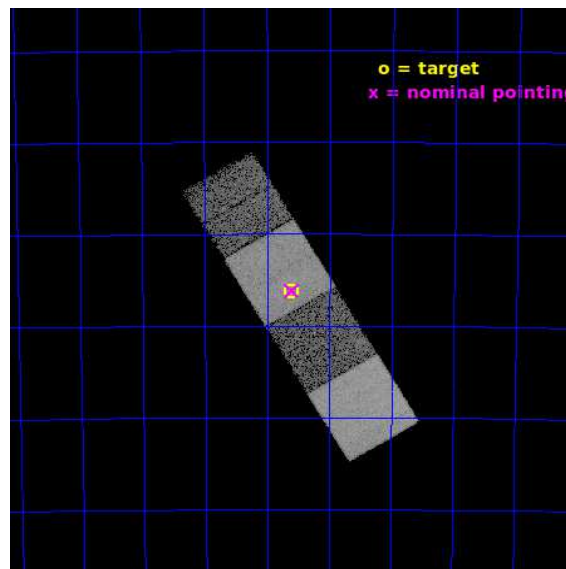
L2 Processing Date : Oct 26 2020

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1 Front

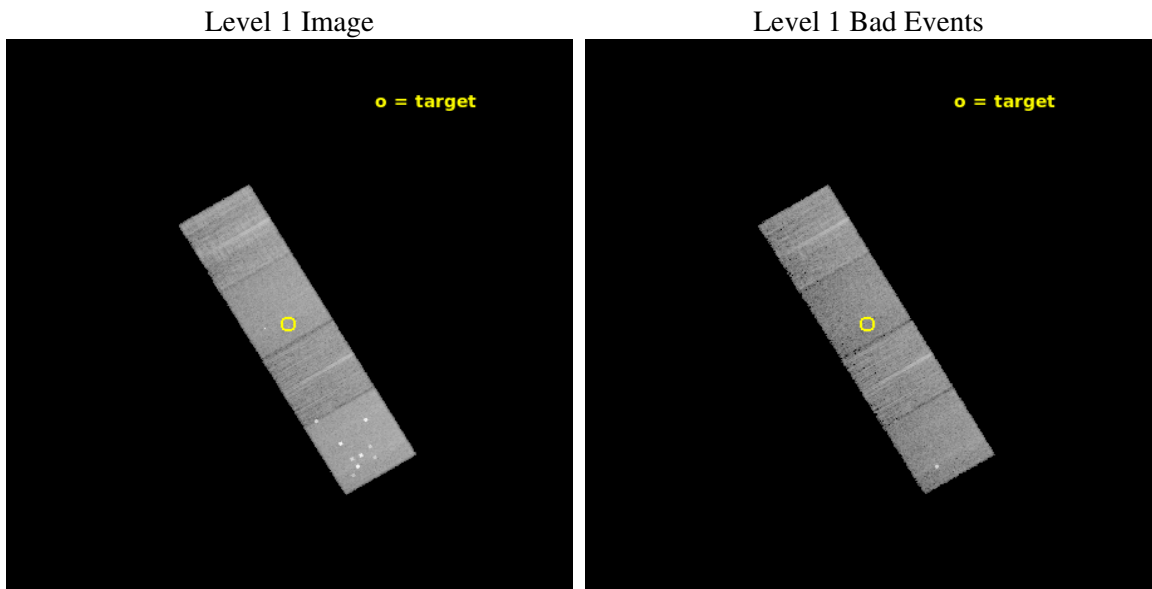
seq_num	703543	Sequence number
obs_id	20438	Observation id
title	Compton thick AGN: the hunt continues	Proposal title
observer	Stefano Marchesi	Principal investigator
object	ESO 090-IG 014	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.4025	Observer's specified target RA [deg]
dec_targ	-64.270556	Observer's specified target Dec [deg]
ra_nom	135.40098258163	Nominal RA [deg]
dec_nom	-64.269665867803	Nominal Dec [deg]
roll_nom	239.2497372198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10062.60007751	Sum of GTIs [s]
livetime	9931.1247995188	Livetime [s]
ontime5	10062.60007751	Sum of GTIs [s]
ontime6	10062.60007751	Sum of GTIs [s]
ontime7	10062.60007751	Sum of GTIs [s]
ontime8	10062.60007751	Sum of GTIs [s]
l2events	109915	Number of level 2 events



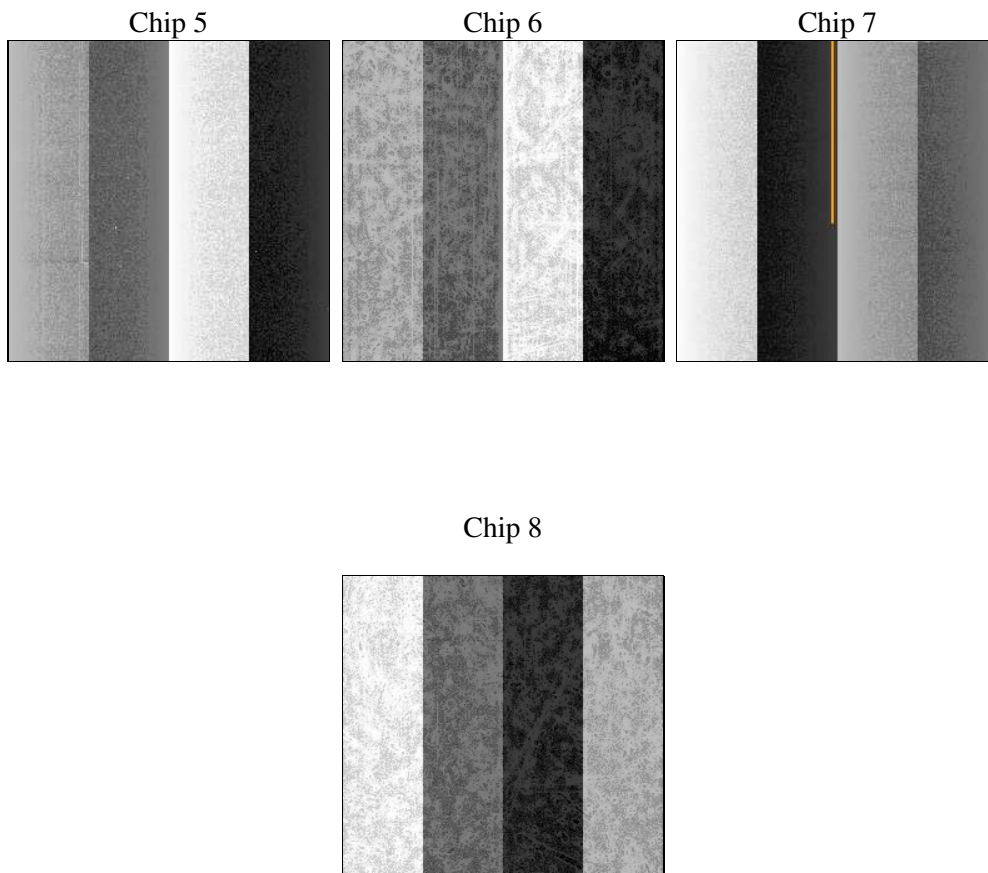
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.461000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10062.60007751	Sum of GTIs [s]
caldsver	4.9.3	 	ontime5	10062.60007751	Sum of GTIs [s]
date	2020-10-26T06:22:26	Date and time of file creation	ontime6	10062.60007751	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10062.60007751	Sum of GTIs [s]
			ontime8	10062.60007751	Sum of GTIs [s]
			l1events	406392	Number of level 1 events

2.1.4 Events

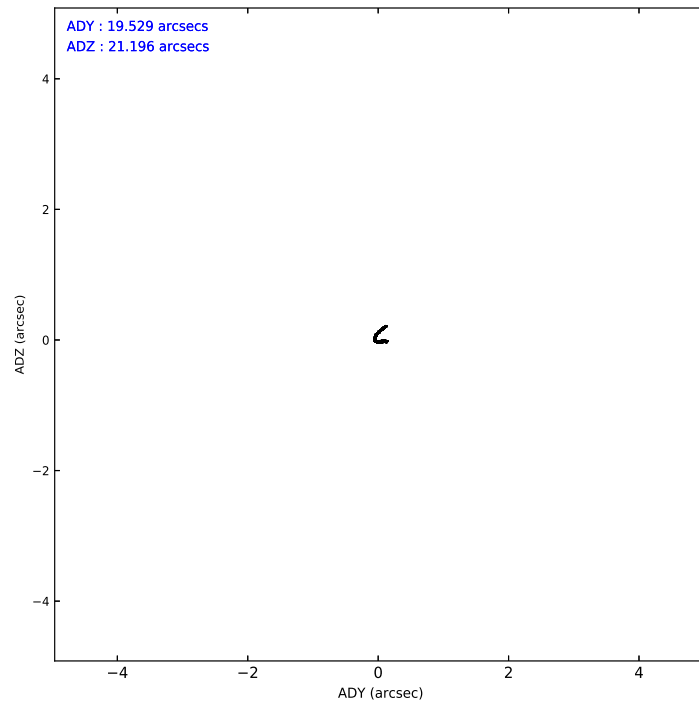
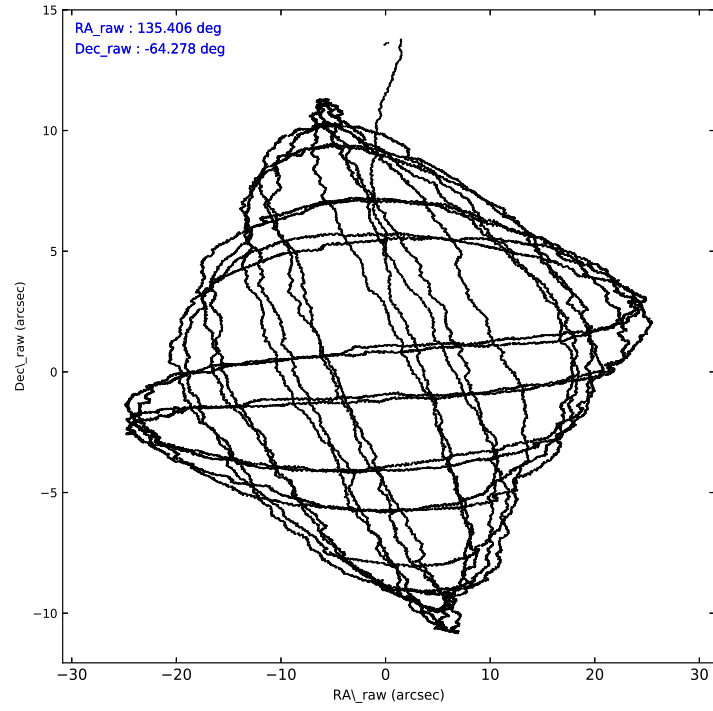
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	134860	75813	95973	99746
rejected events	63036	67075	54390	73859
rejected %	46%	88%	56%	74%

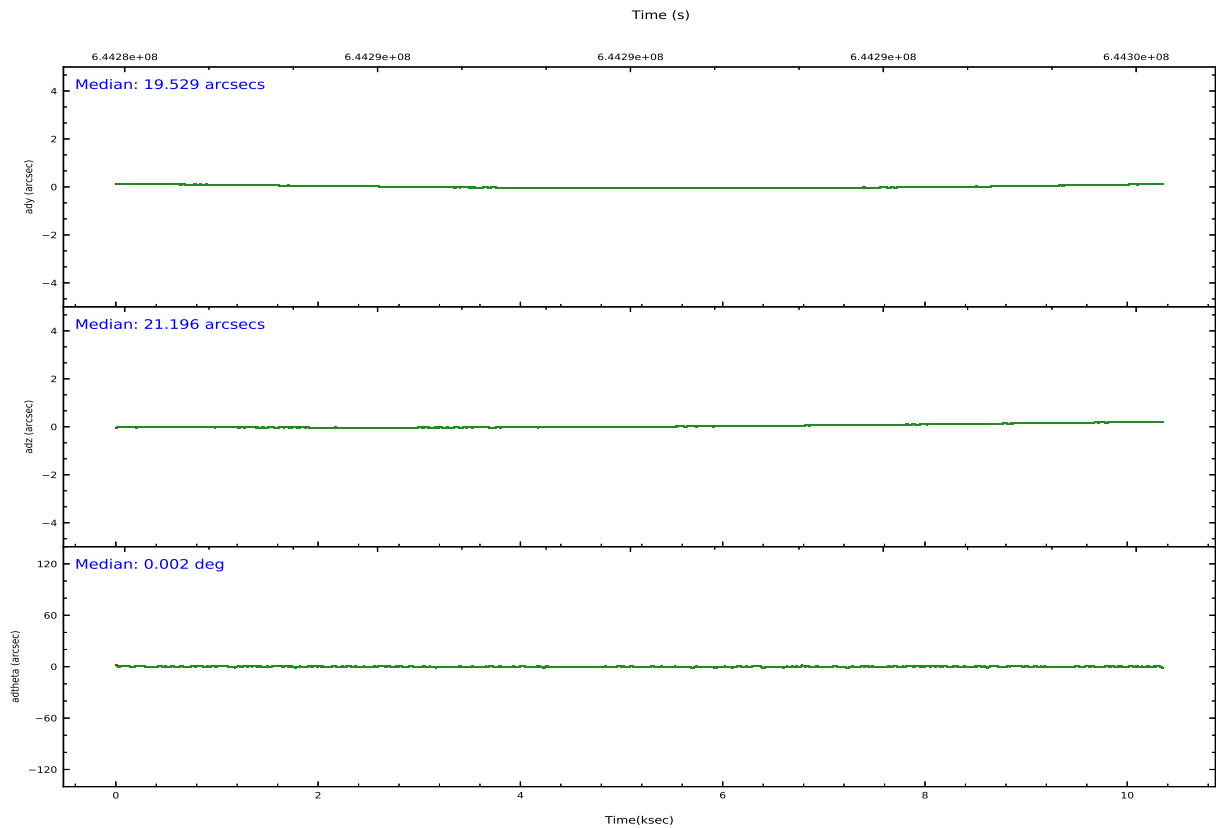
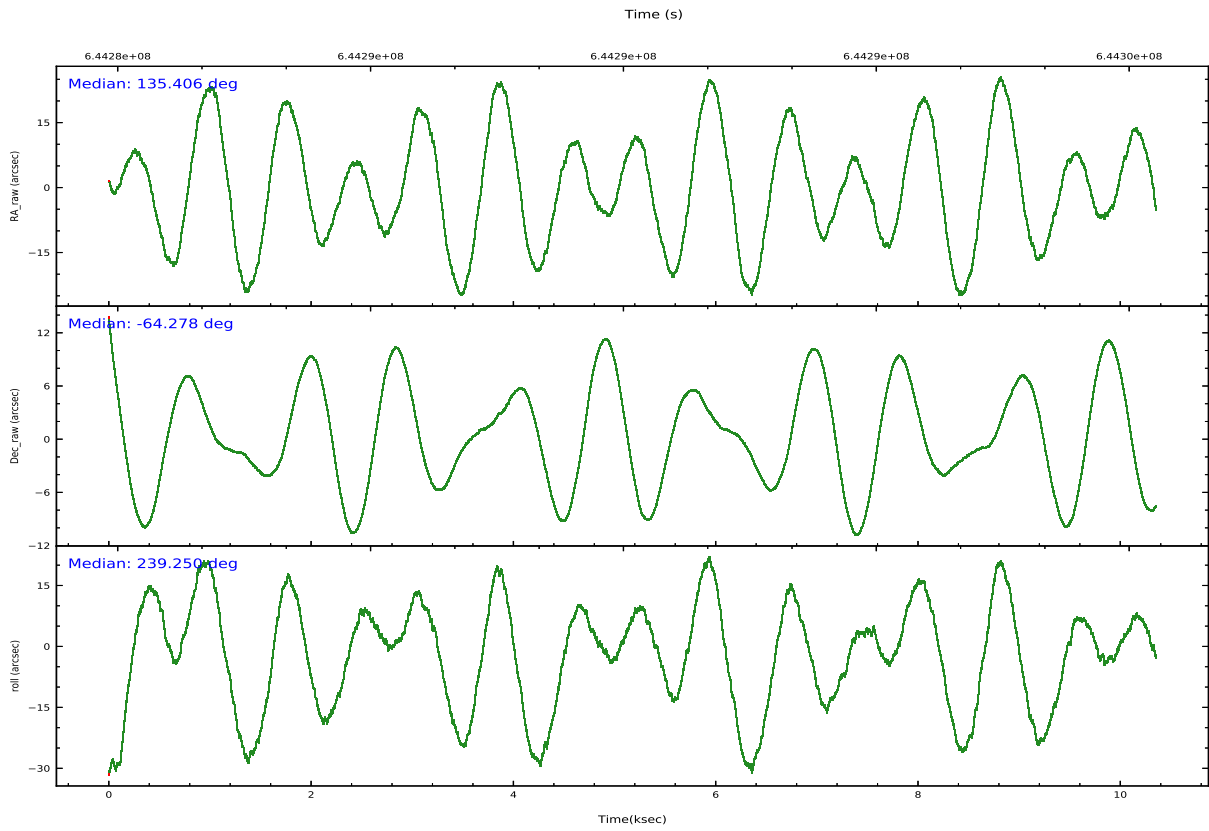
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	15755	2814	3650	7252
	11%	3%	3%	7%
grade 1 events	1592	46	123	80
	1%	0%	0%	0%
grade 2 events	20456	2194	8630	6263
	15%	2%	8%	6%
grade 3 events	1885	731	3284	2746
	1%	0%	3%	2%
grade 4 events	1991	807	3309	2540
	1%	1%	3%	2%
grade 5 events	7566	3230	9235	5138
	5%	4%	9%	5%
grade 6 events	31759	2194	22722	7091
	23%	2%	23%	7%
grade 7 events	53856	63797	45020	68636
	39%	84%	46%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-5678	ACIS-5678	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	135.406331	135.40098258163	Subarray requested	NONE	NONE
[deg] Pointing Dec	-64.250121	-64.269665867803	Alternating exposures requested	N	N
[deg] Pointing Roll	239.099732	239.2497372198	[s] Primary exposure time	0.000000	3.1
[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)	644285267.184000	644284154.539			
Observation start date	2018-06-02T00:06:38	2018-06-01T23:49:14			
[s] Observation end time (MET)	644295267.184000	644295967.6647			
Observation end date	2018-06-02T02:53:18	2018-06-02T03:06:07			
Read mode	TIMED	TIMED			

2.3 Aspect





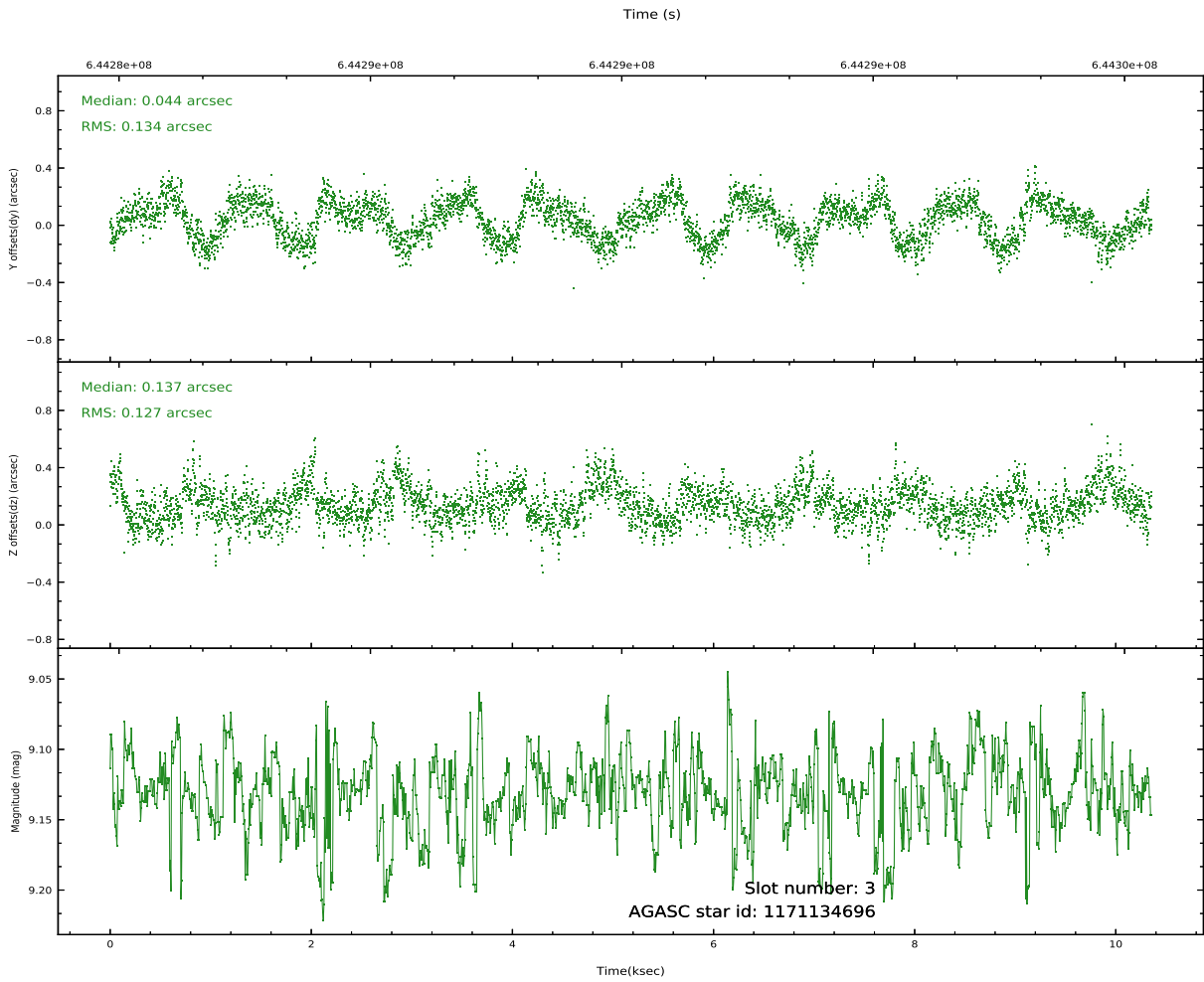
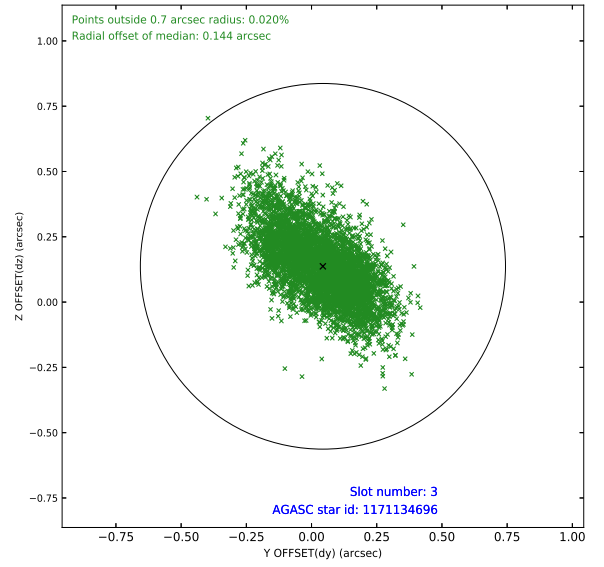
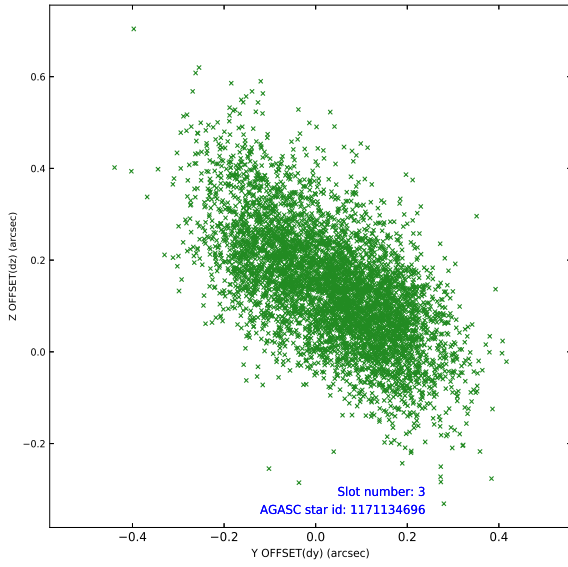
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2525	1.000	-0.011	-0.023	0.006	0.012	0.000000	0.000000	-772.83	-1742
1	FID		ACIS-S-4	7.22	2526	1.000	0.102	-0.048	0.007	0.012	0.000000	0.000000	2140.52	164
2	FID		ACIS-S-6	7.38	2526	1.000	-0.119	0.078	0.009	0.015	0.000000	0.000000	389.96	803
3	GUIDE	used	1171134696	9.13	5045	1.000	0.044	0.137	0.192	0.331	136.317535	-64.172851	-963.98	1088
4	GUIDE	used	1171139800	6.75	5052	1.000	-0.057	-0.034	0.145	0.250	134.691846	-64.530506	1439.41	-427
5	GUIDE	used	1171148976	9.27	5045	1.000	-0.053	-0.101	0.190	0.320	136.019328	-64.735751	1020.69	1708
6	GUIDE	used	1170616640	8.93	5050	1.000	0.219	0.176	0.172	0.302	134.424263	-63.703986	-871.30	-2346
7	GUIDE	used	1171128544	7.67	5051	1.000	-0.152	-0.189	0.118	0.214	135.741467	-64.872766	1661.26	1590

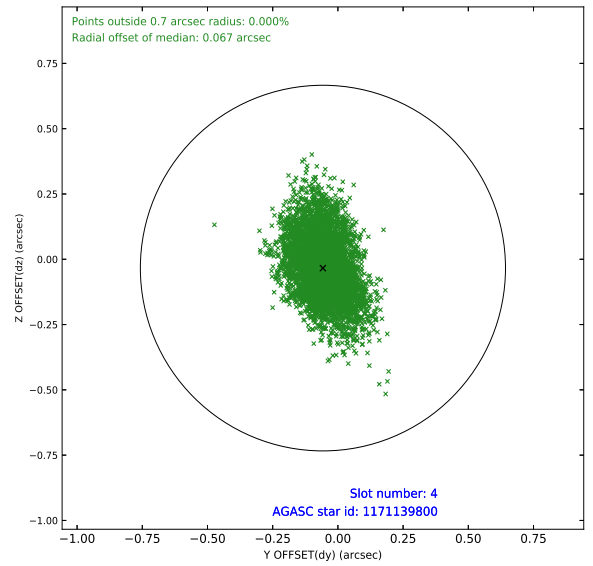
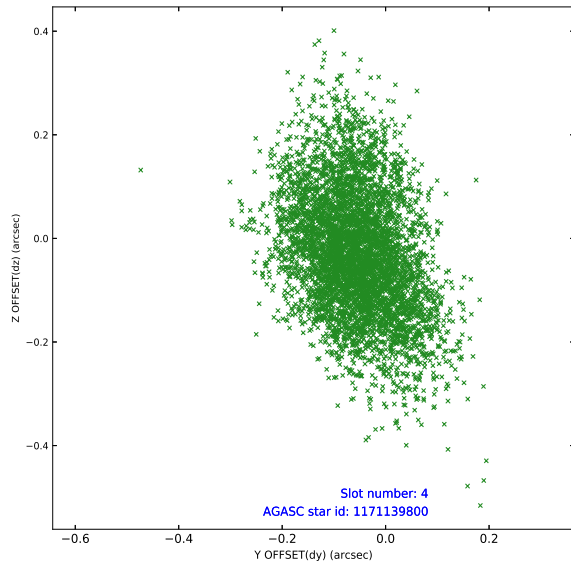
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2.4 Star Slots

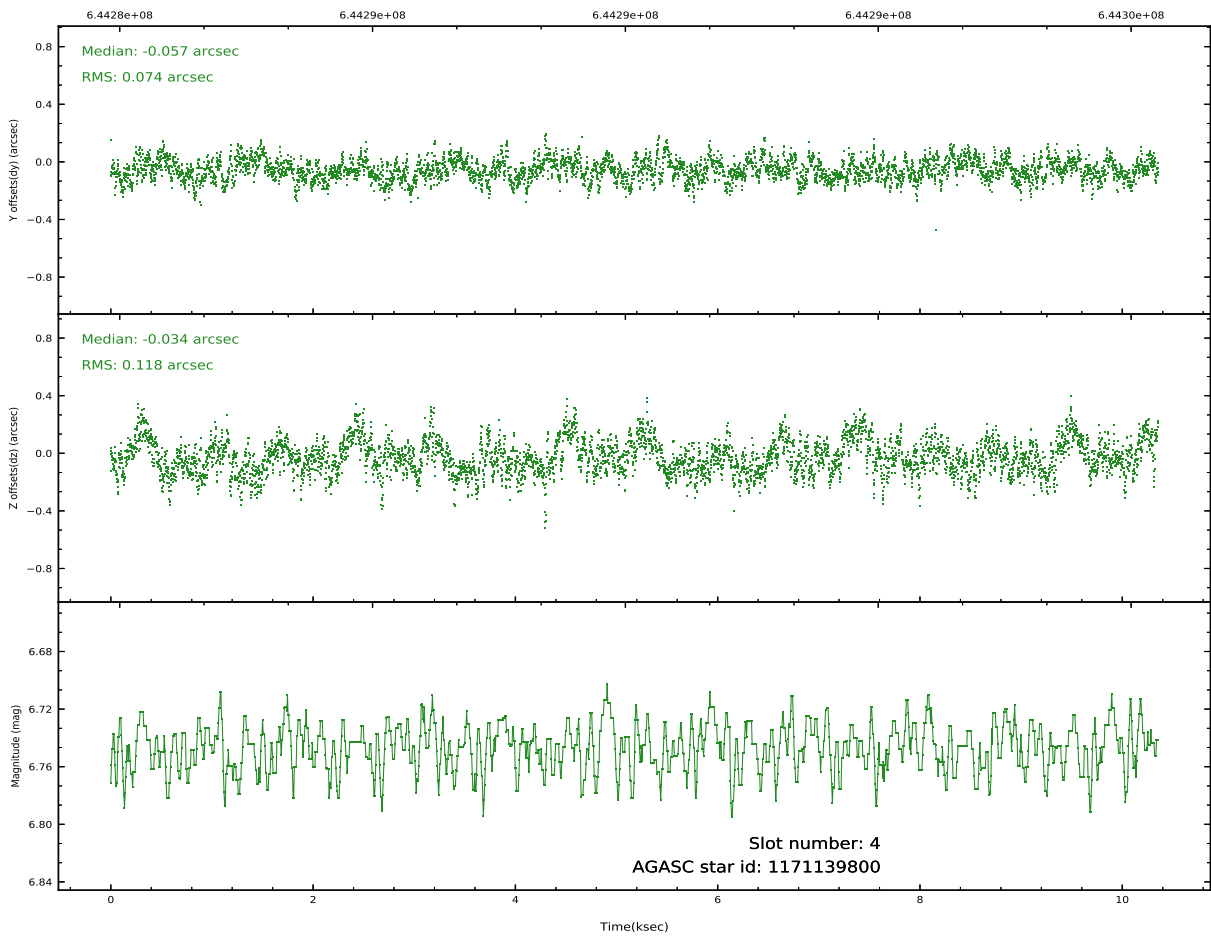
2.4.1 Slot 3



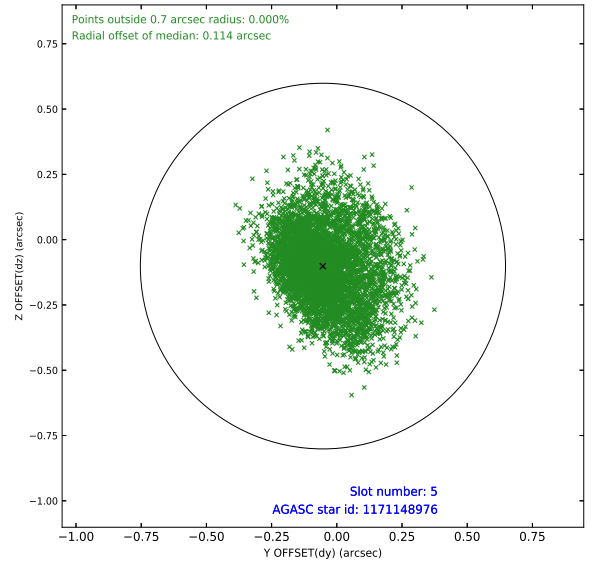
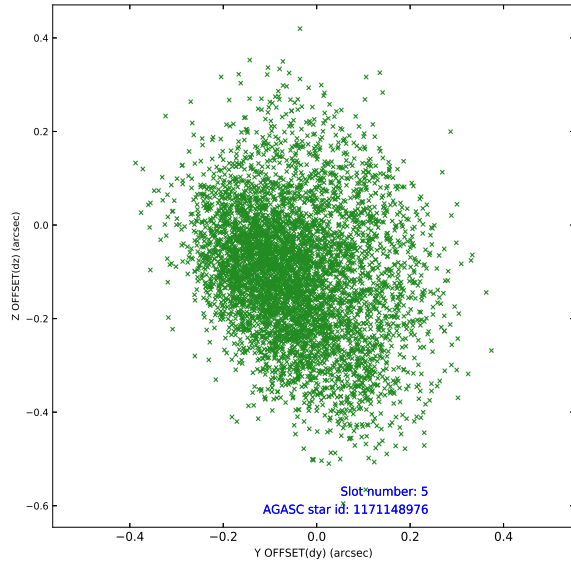
2.4.2 Slot 4



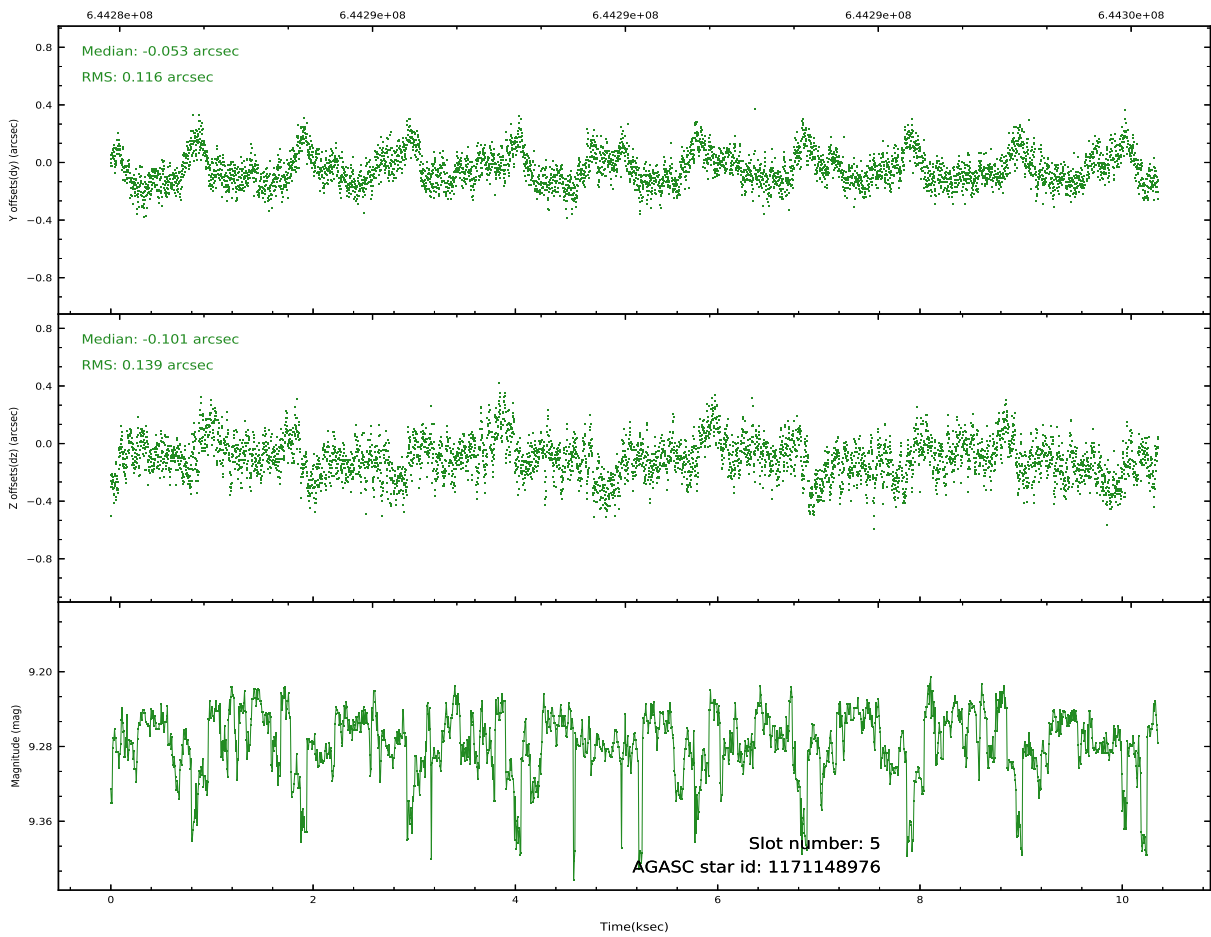
Time (s)



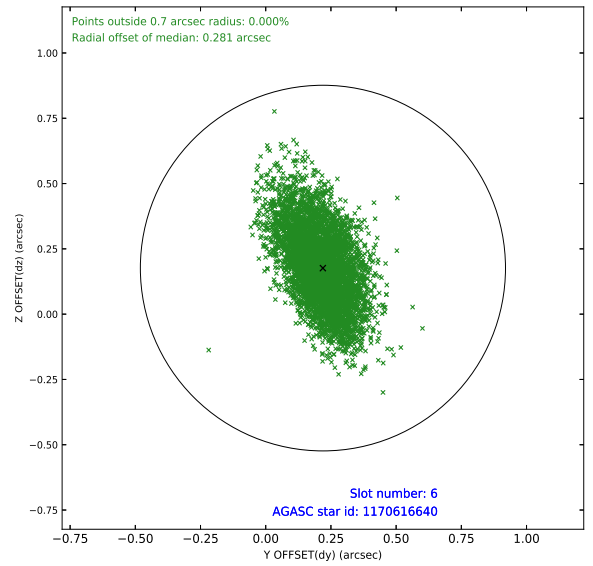
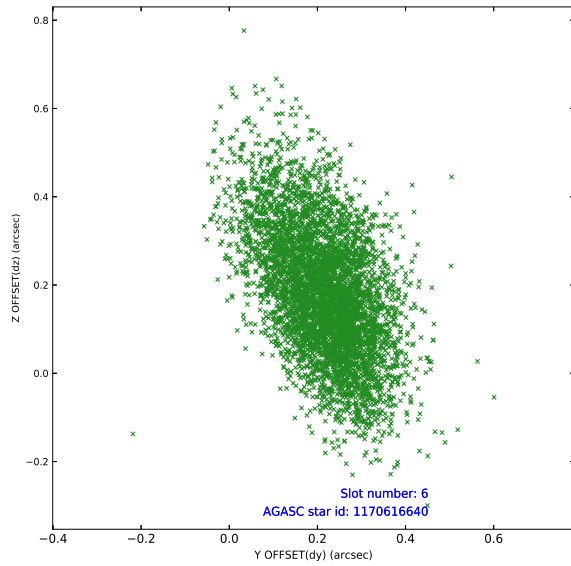
2.4.3 Slot 5



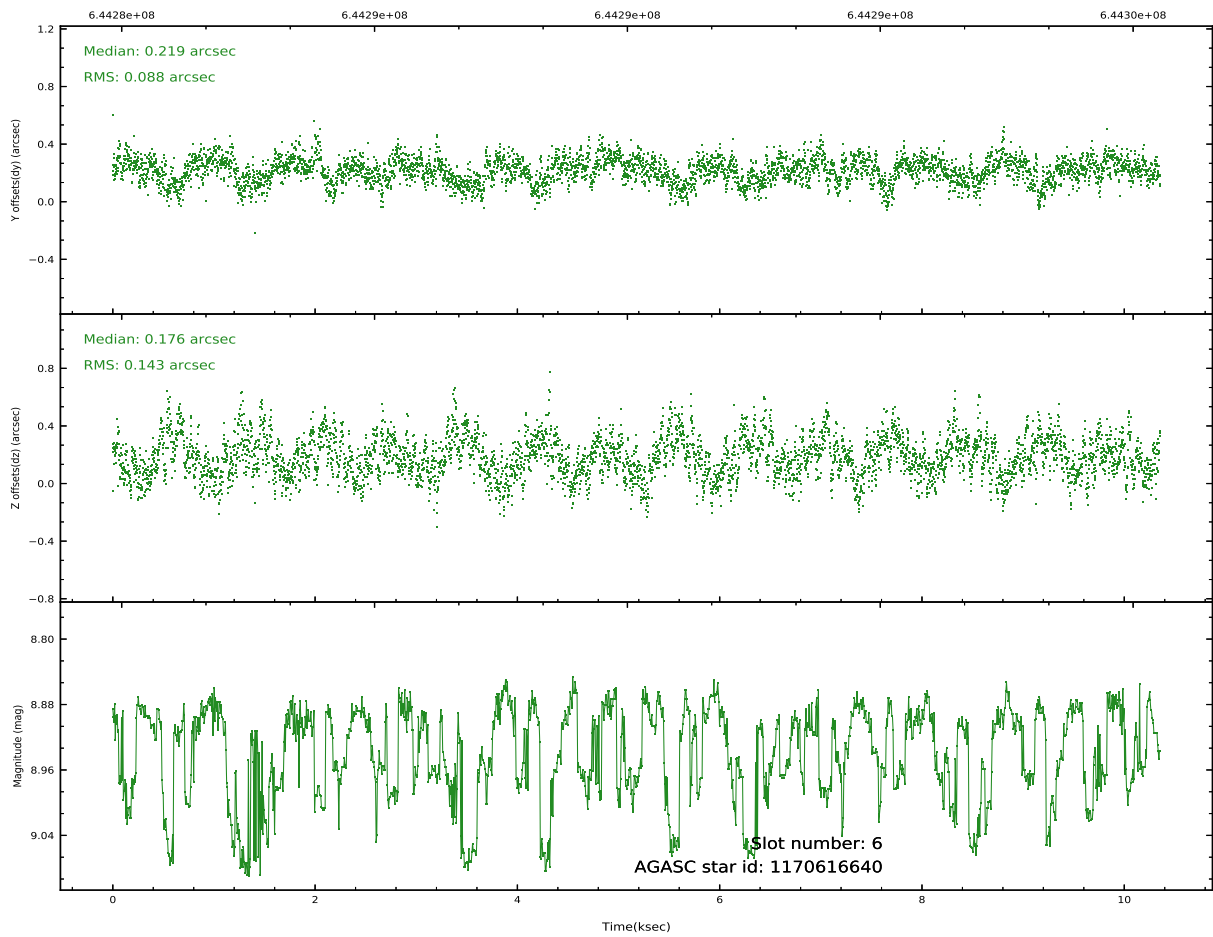
Time (s)



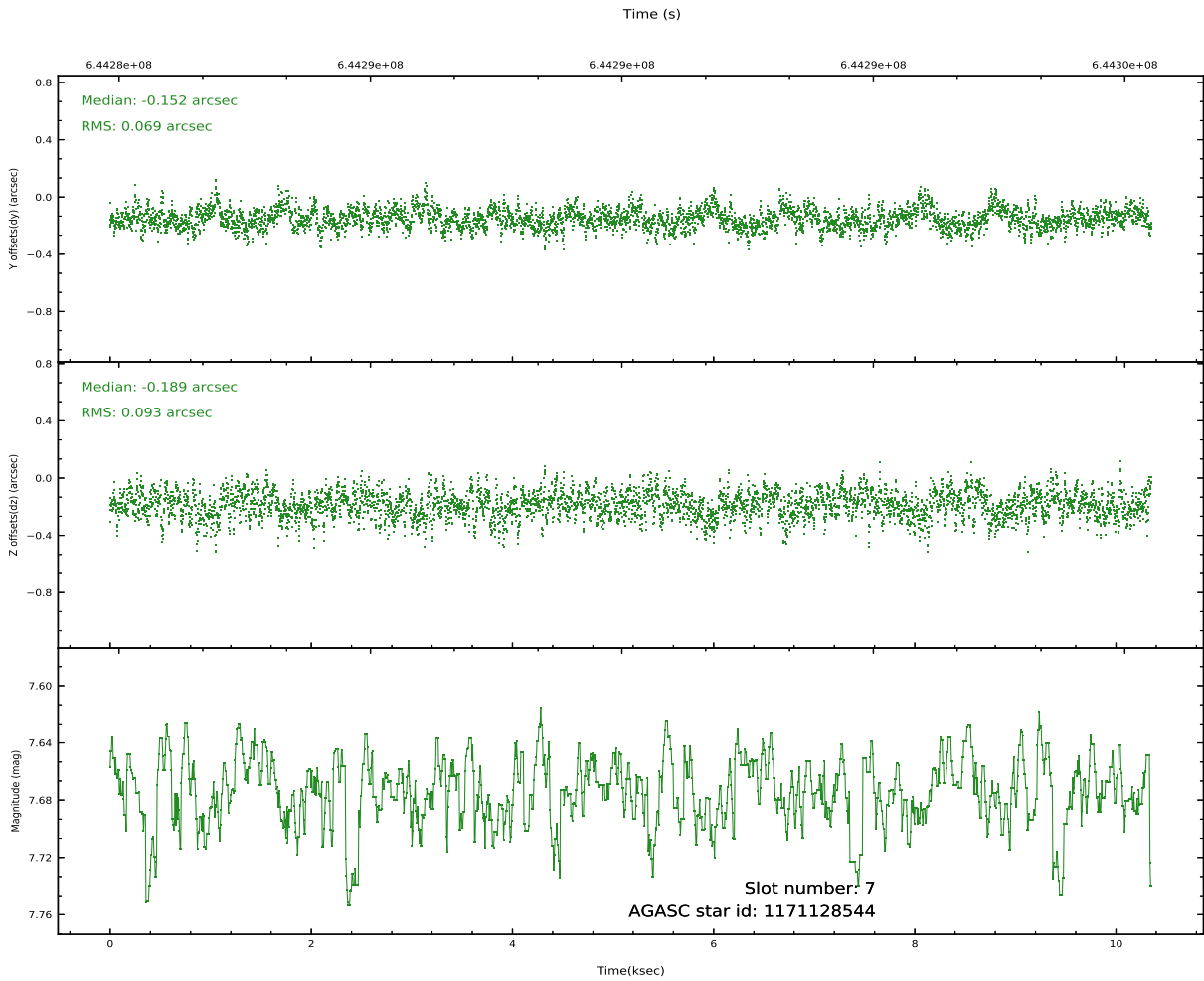
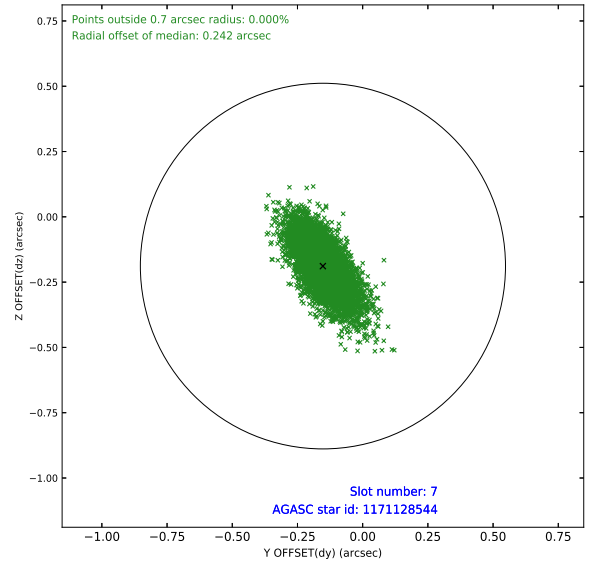
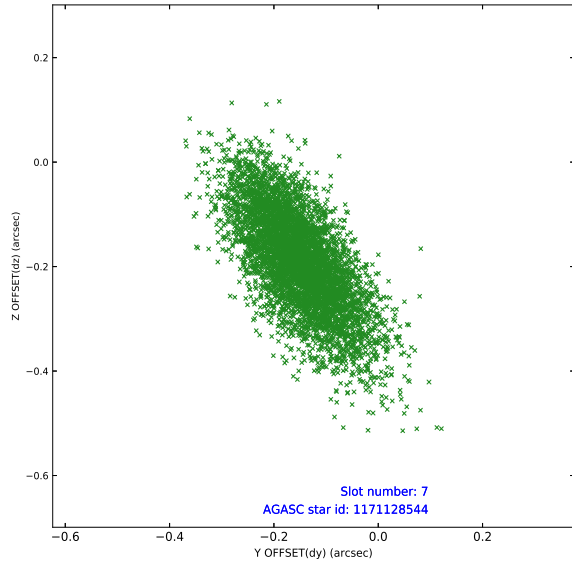
2.4.4 Slot 6



Time (s)

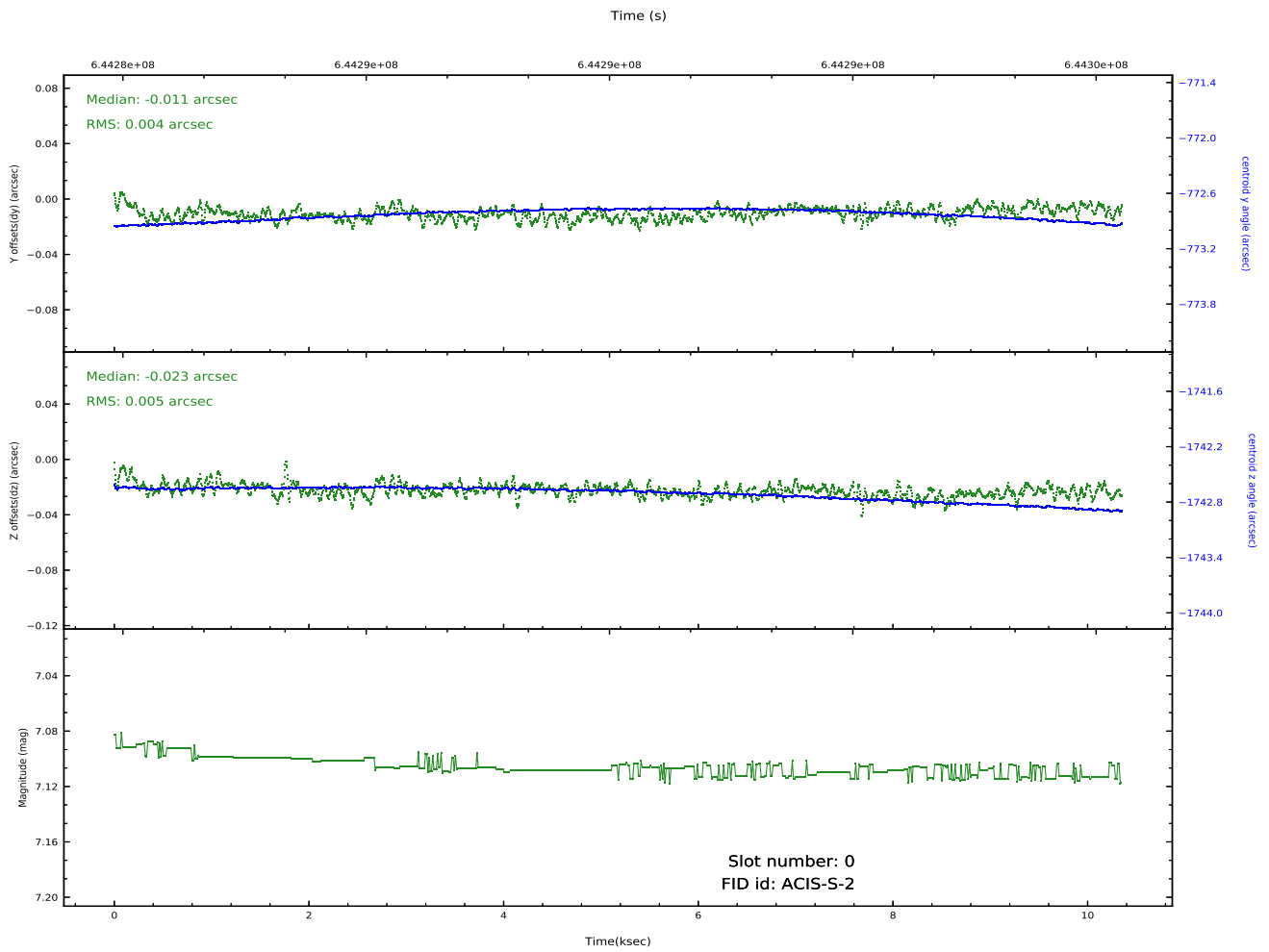
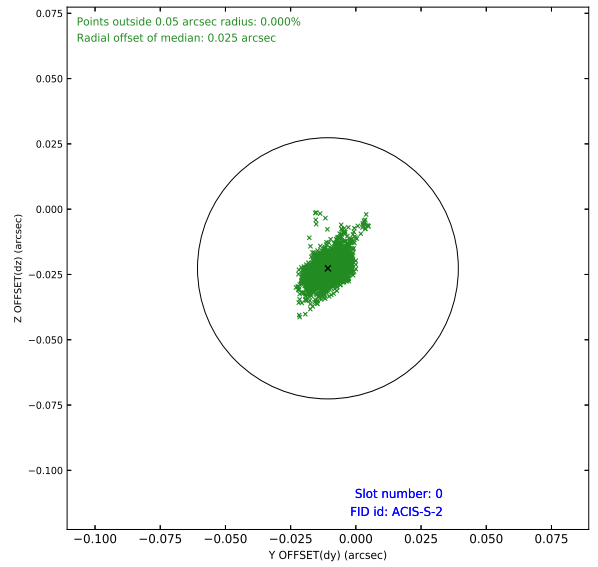
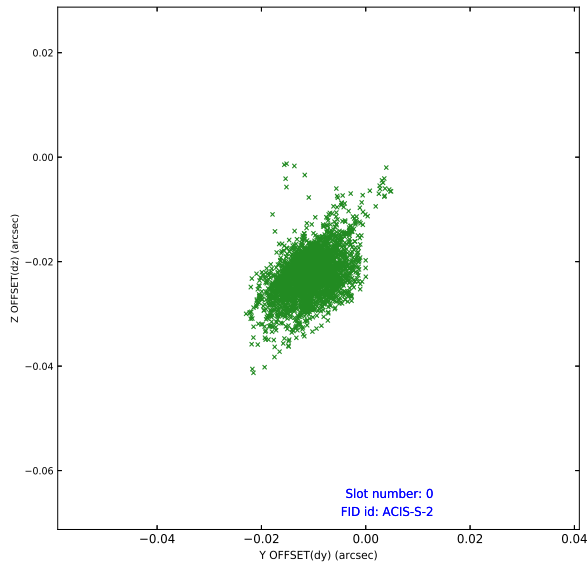


2.4.5 Slot 7

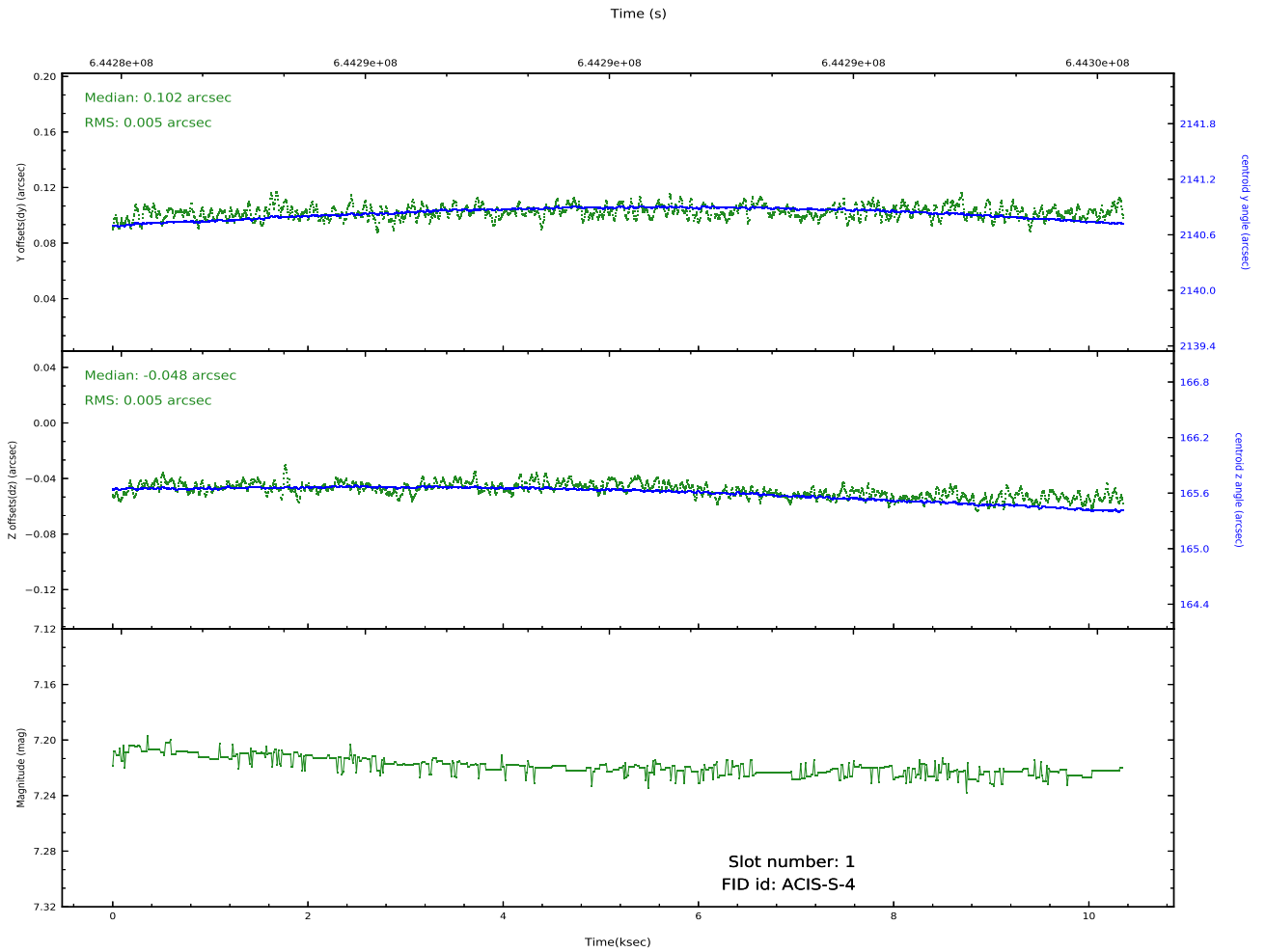
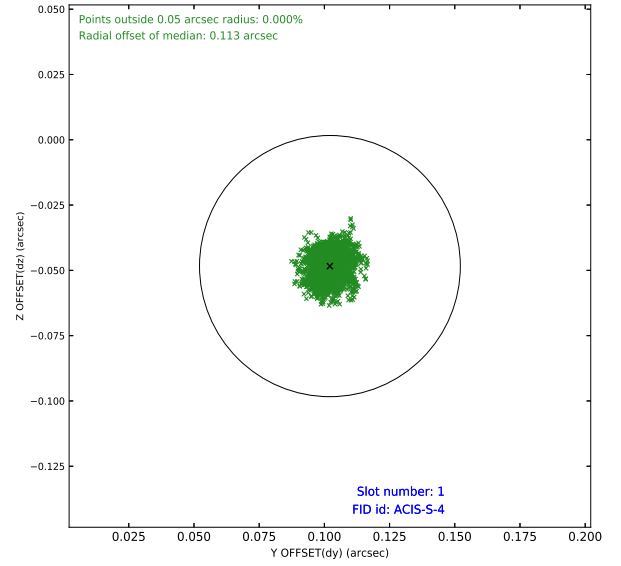
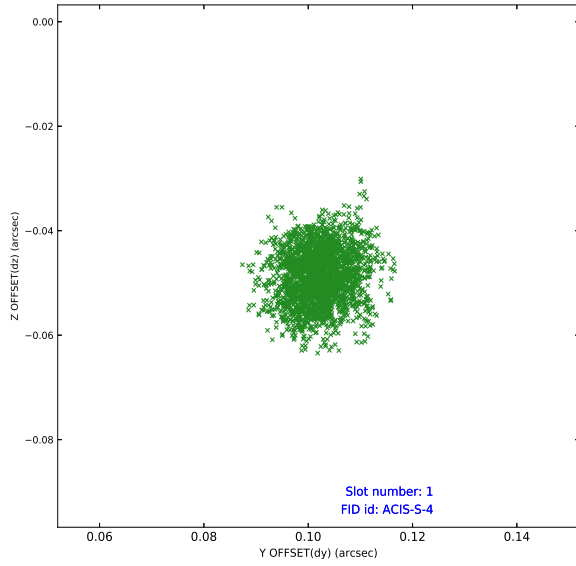


2.5 FID Slots

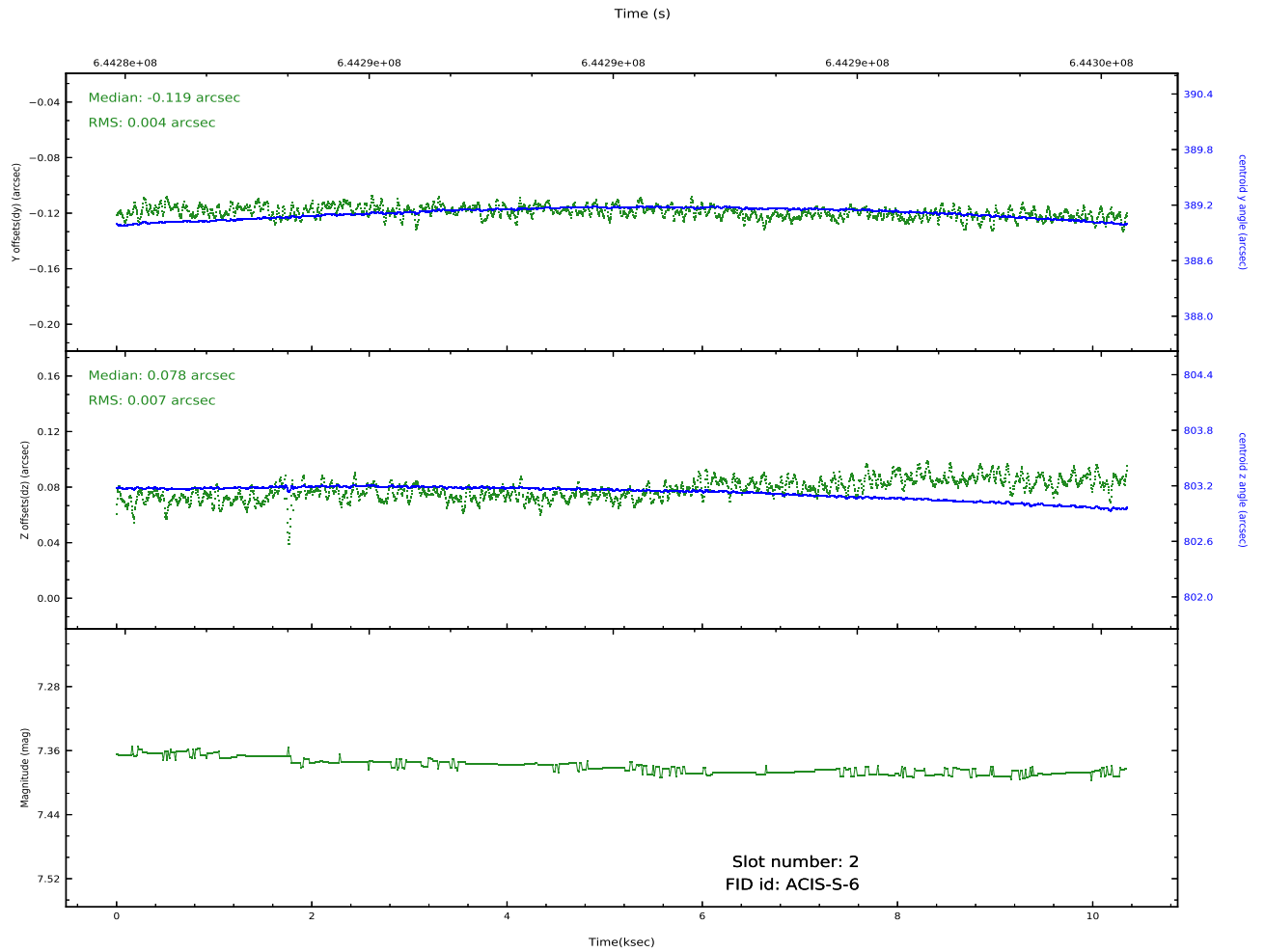
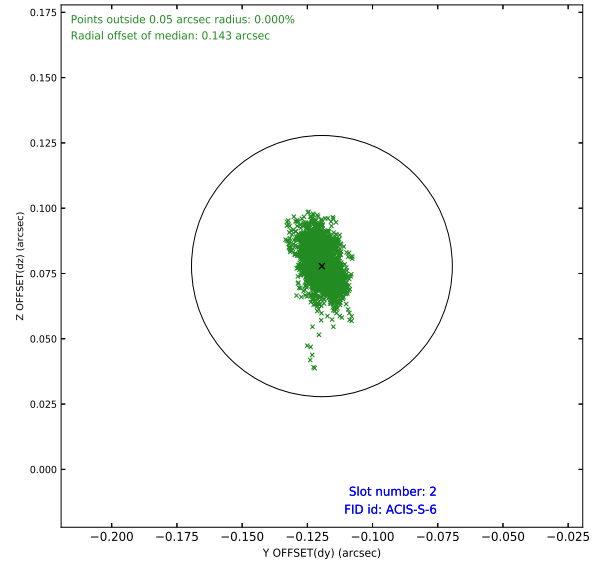
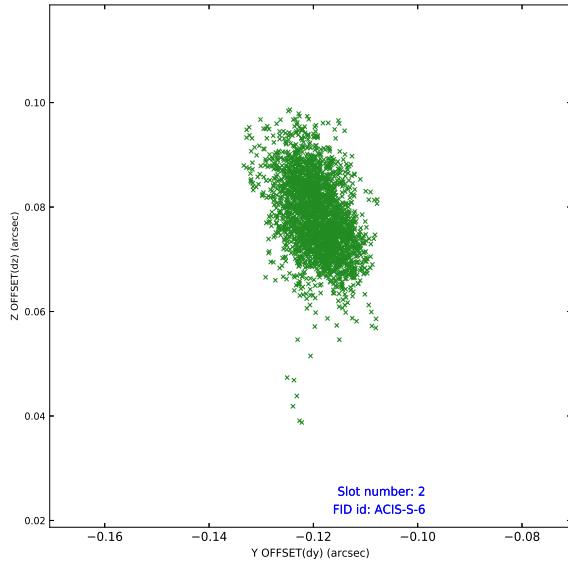
2.5.1 Slot 0



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	10.06260007751

A.2 Comments