

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20405 - L2 Version 2
Chandra X-Ray Center

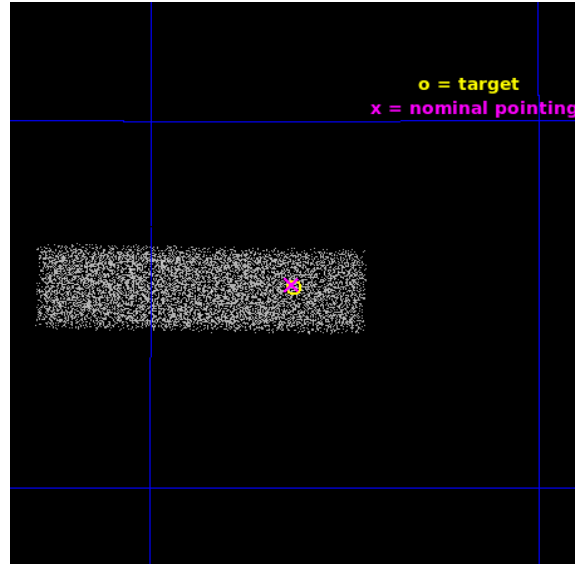
L2 Processing Date : Oct 24 2020

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1 Front

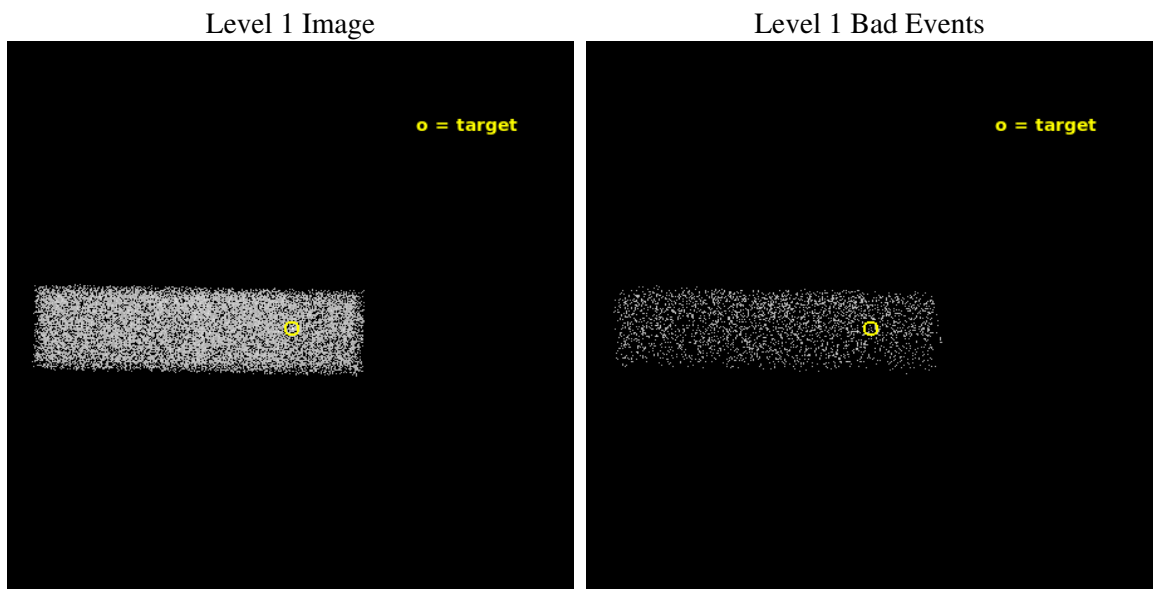
seq_num	703510	Sequence number
obs_id	20405	Observation id
title	A SEARCH FOR BEACONS IN THE EARLY UNIVERSE: A SURVEY OF HIGH REDSHIFT RADIO JETS	Proposal title
observer	Daniel Schwartz	Principal investigator
object	J0801+4725	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.407083	Observer's specified target RA [deg]
dec_targ	47.4245	Observer's specified target Dec [deg]
ra_nom	120.40867026069	Nominal RA [deg]
dec_nom	47.425687332947	Nominal Dec [deg]
roll_nom	181.15130529633	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9879.9994111061	Sum of GTIs [s]
livetime	9397.8877685781	Livetime [s]
ontime7	9879.9994111061	Sum of GTIs [s]
l2events	11023	Number of level 2 events



2 OBI

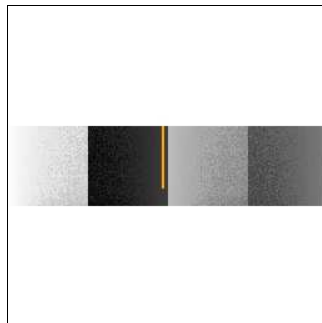
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	9879.9994111061	Sum of GTIs [s]
caldsver	4.9.3	 	ontime7	9879.9994111061	Sum of GTIs [s]
date	2020-10-24T08:00:01	Date and time of file creation	l1events	24216	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

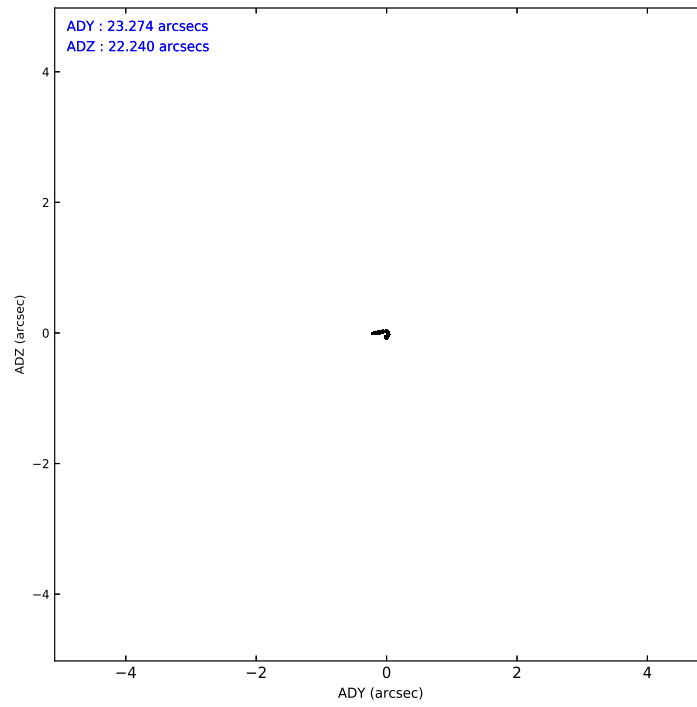
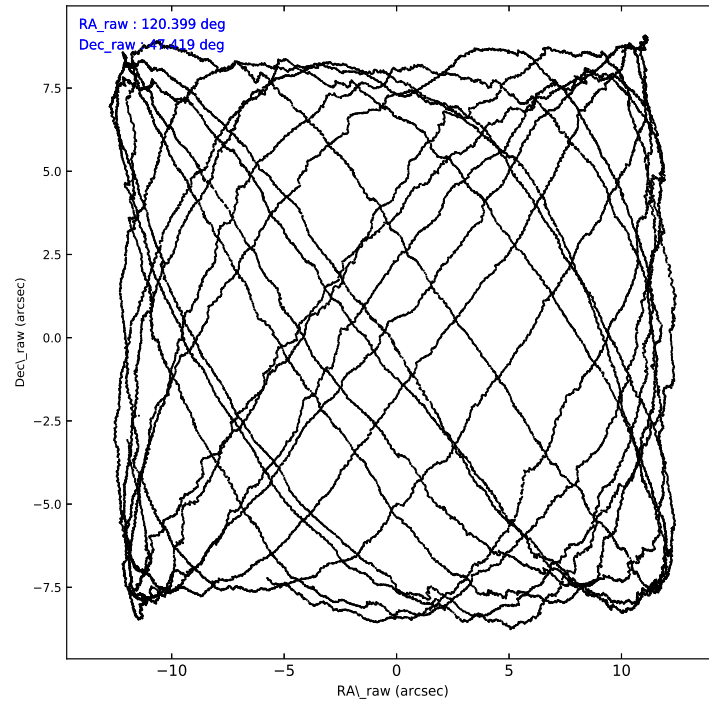
	ccd 7
level 1 events	24216
rejected events	12742
rejected %	52%

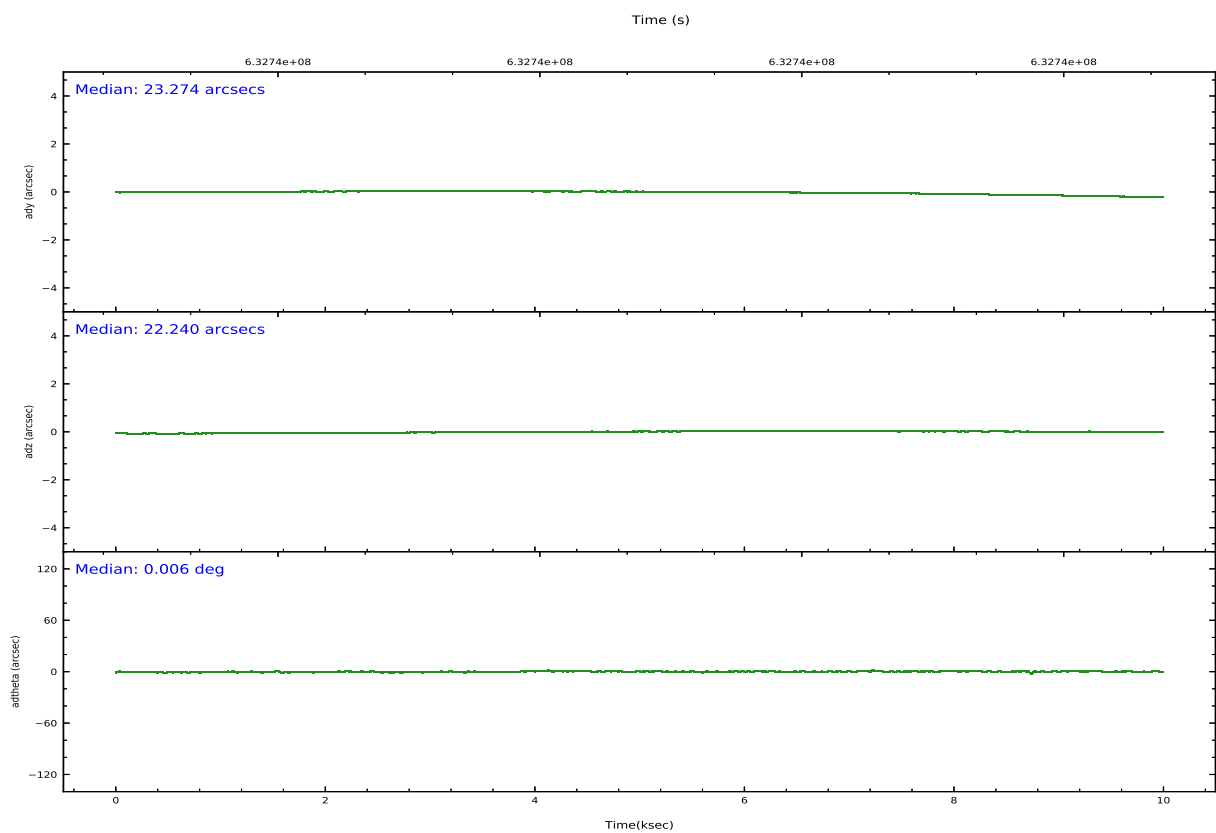
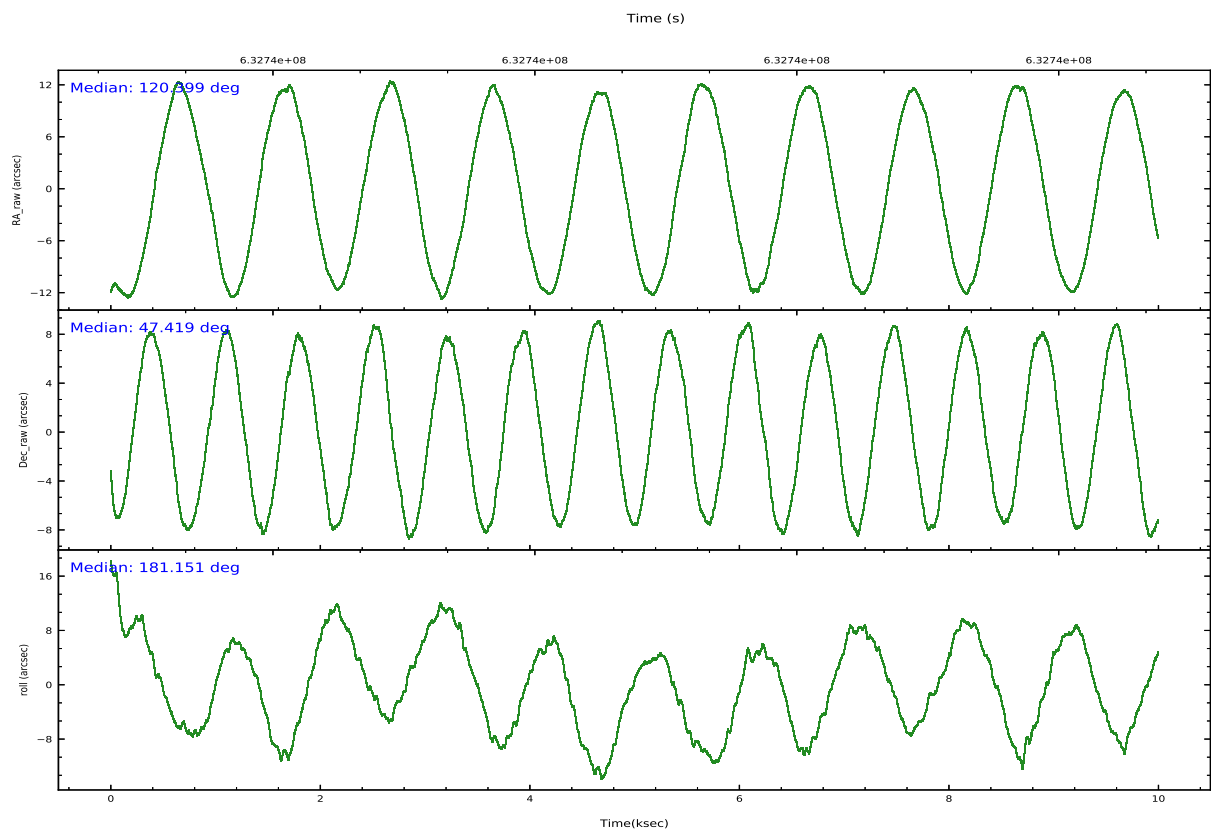
	ccd 7
grade 0 events	1139
	4%
grade 1 events	29
	0%
grade 2 events	2246
	9%
grade 3 events	1234
	5%
grade 4 events	1261
	5%
grade 5 events	2484
	10%
grade 6 events	5594
	23%
grade 7 events	10229
	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	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	120.433456	120.40867026069	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	47.433696	47.425687332947	Subarray start row	385	385
[deg] Pointing Roll	180.980583	181.15130529633	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	632733630.184000	632732590.92003			
Observation start date	2018-01-19T07:19:21	2018-01-19T07:03:10			
[s] Observation end time (MET)	632743630.184000	632744177.52071			
Observation end date	2018-01-19T10:06:01	2018-01-19T10:16:17			
Read mode	TIMED	TIMED			

2.3 Aspect



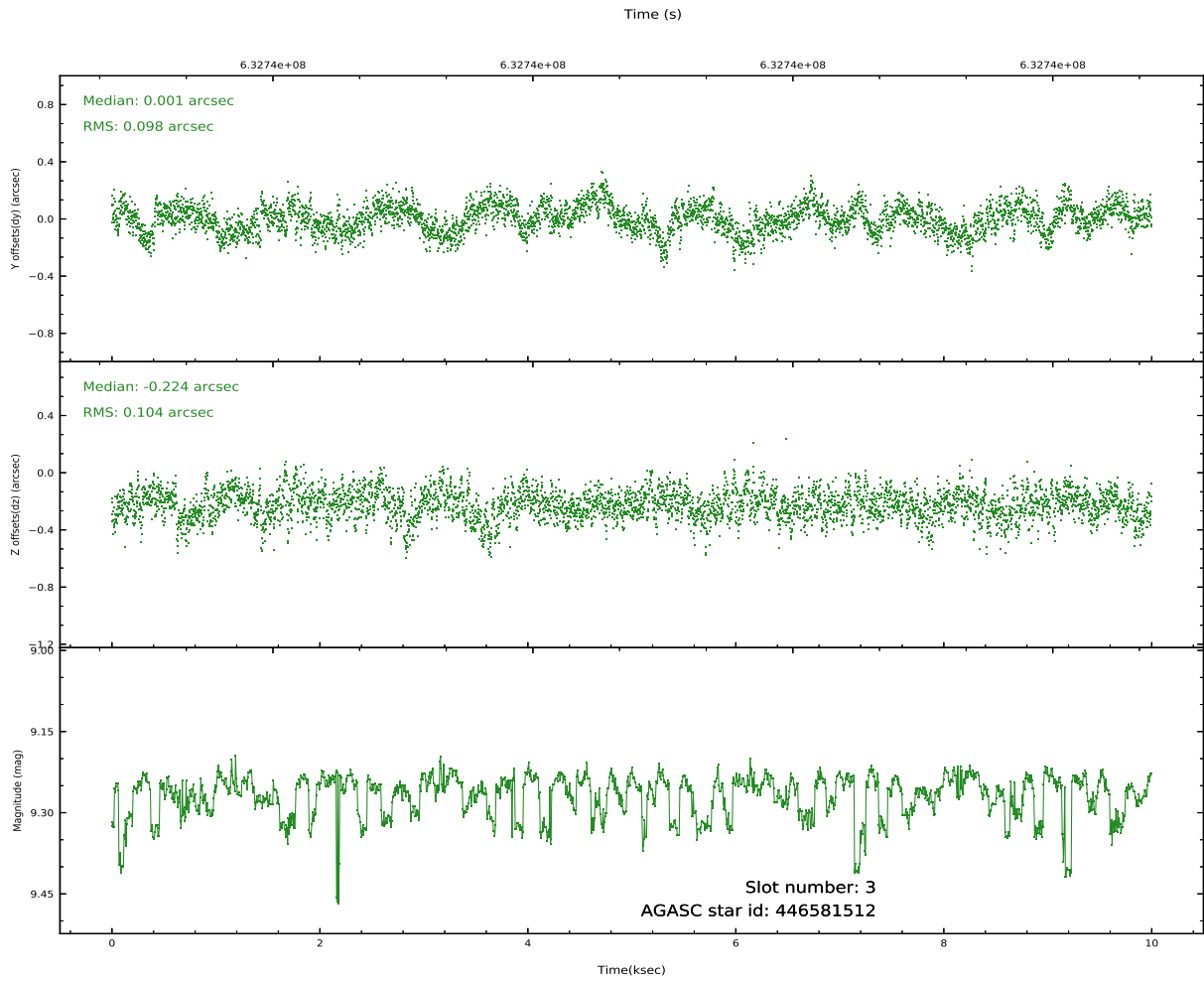
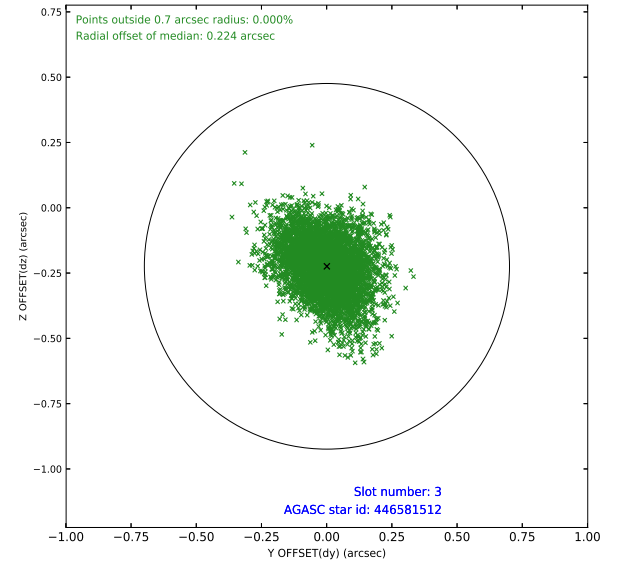
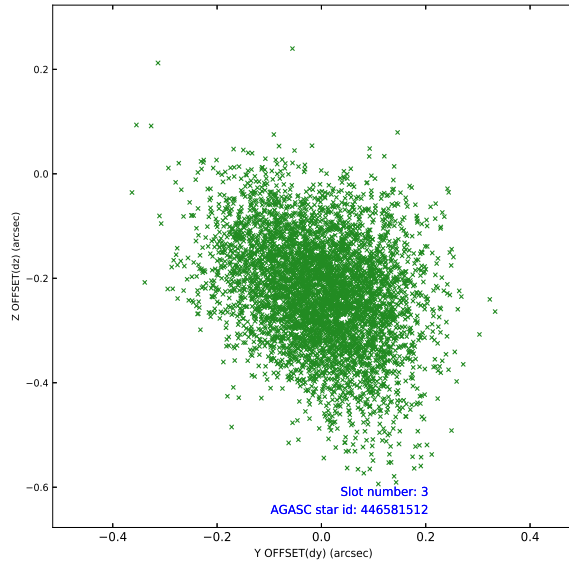


Slot Statistics

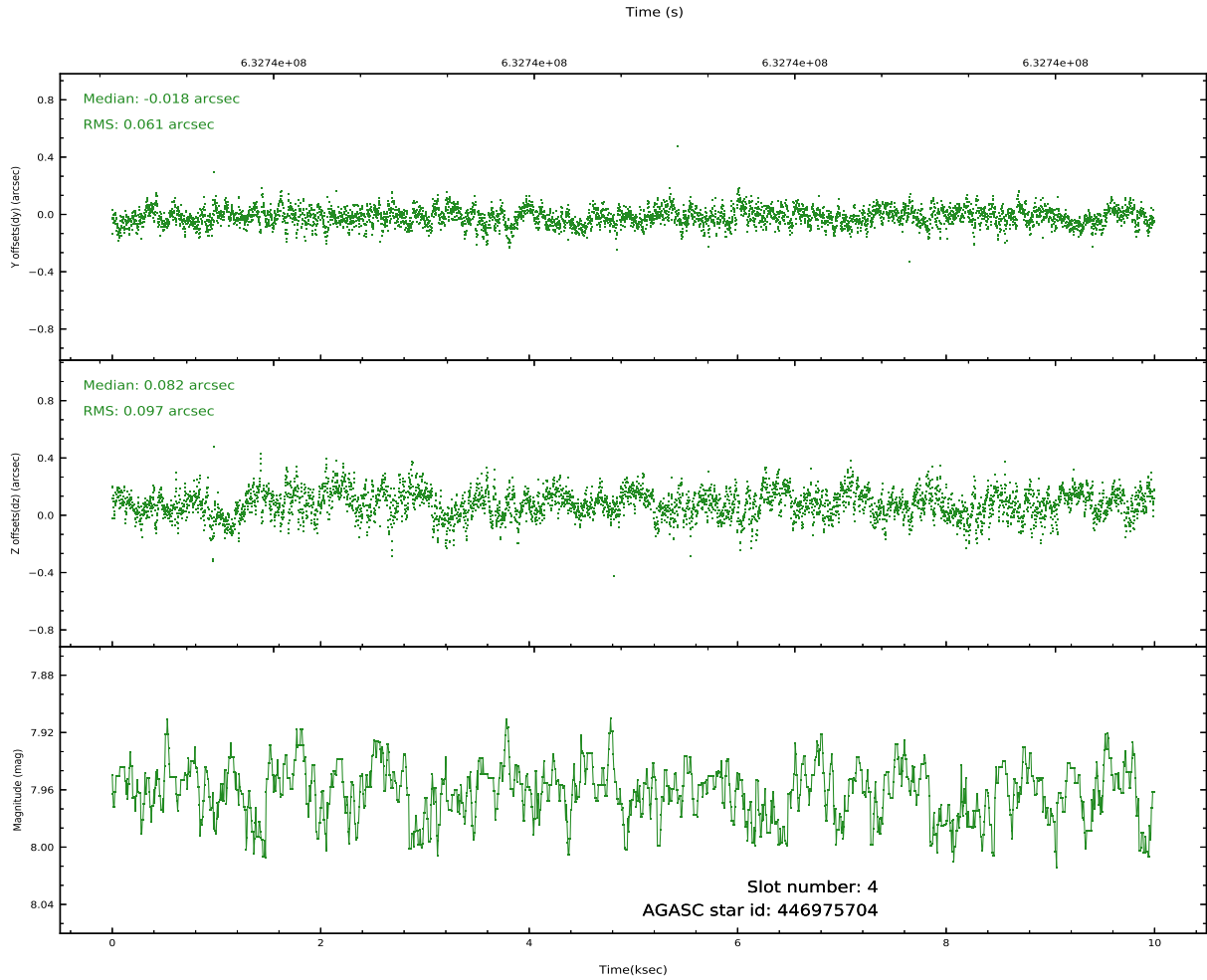
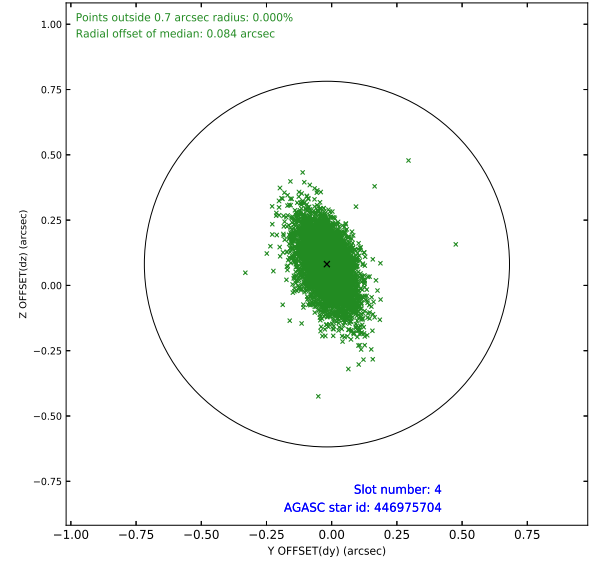
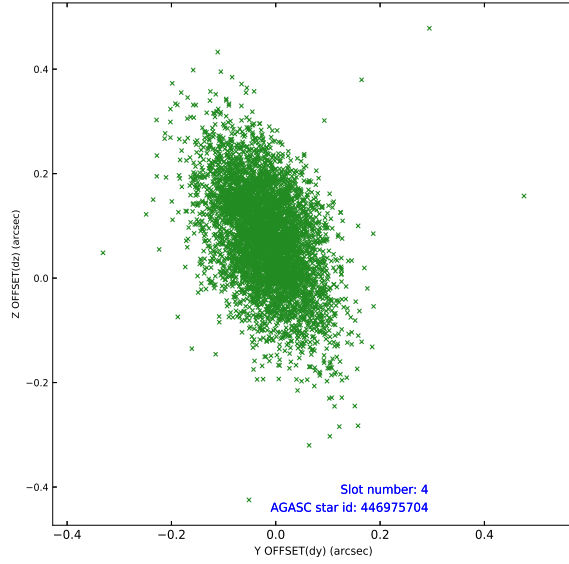
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2439	1.000	0.176	-0.126	0.007	0.013	0.000000	0.000000	-776.56	-1743
1	FID		ACIS-S-4	7.20	2439	1.000	0.087	-0.051	0.006	0.010	0.000000	0.000000	2136.70	163
2	FID		ACIS-S-5	7.21	2439	1.000	-0.295	0.185	0.008	0.013	0.000000	0.000000	-1828.88	158
3	GUIDE	used	446581512	9.26	4868	1.000	0.001	-0.224	0.151	0.250	119.623924	46.812401	2032.54	2191
4	GUIDE	used	446975704	7.96	4875	1.000	-0.018	0.082	0.115	0.207	119.815151	47.648874	1486.76	-805
5	GUIDE	used	447105488	8.37	4808	1.000	0.169	0.228	0.113	0.199	121.069797	47.947851	-1564.66	-1830
6	GUIDE	used	446703416	8.45	4878	1.000	-0.298	-0.312	0.143	0.237	120.323850	46.766881	310.65	2394
7	GUIDE	used	447104936	7.69	4877	1.000	0.153	0.235	0.112	0.203	121.274374	47.905746	-2057.70	-1674

2.4 Star Slots

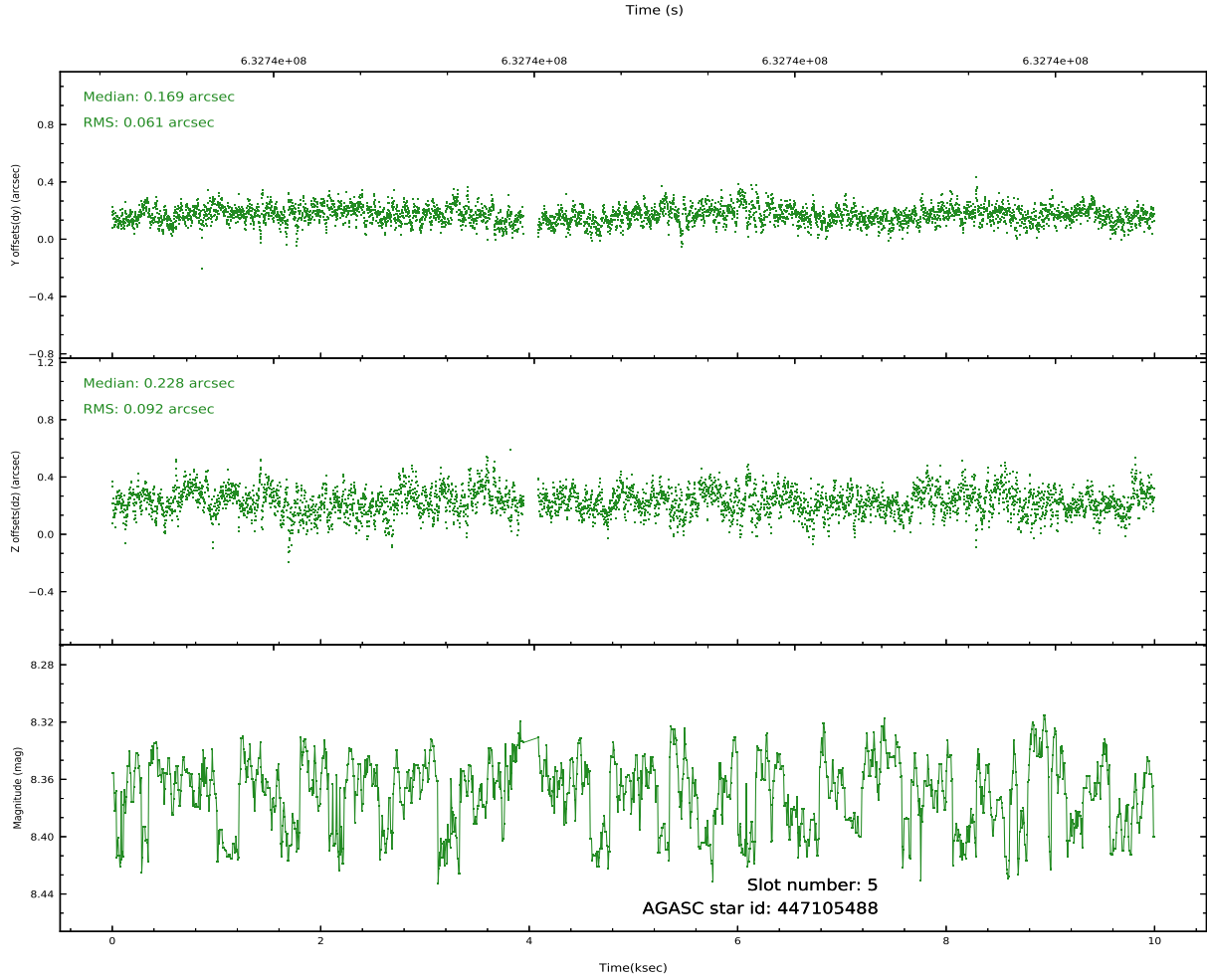
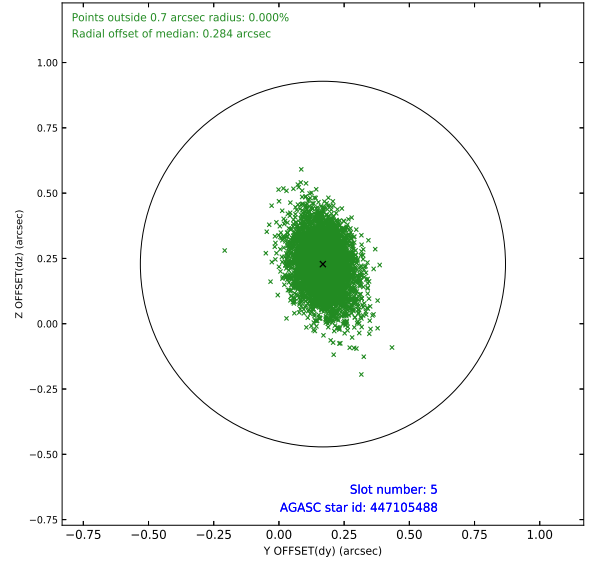
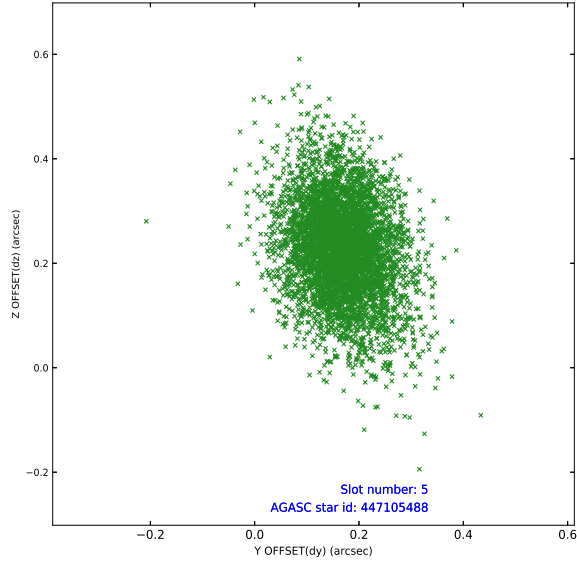
2.4.1 Slot 3



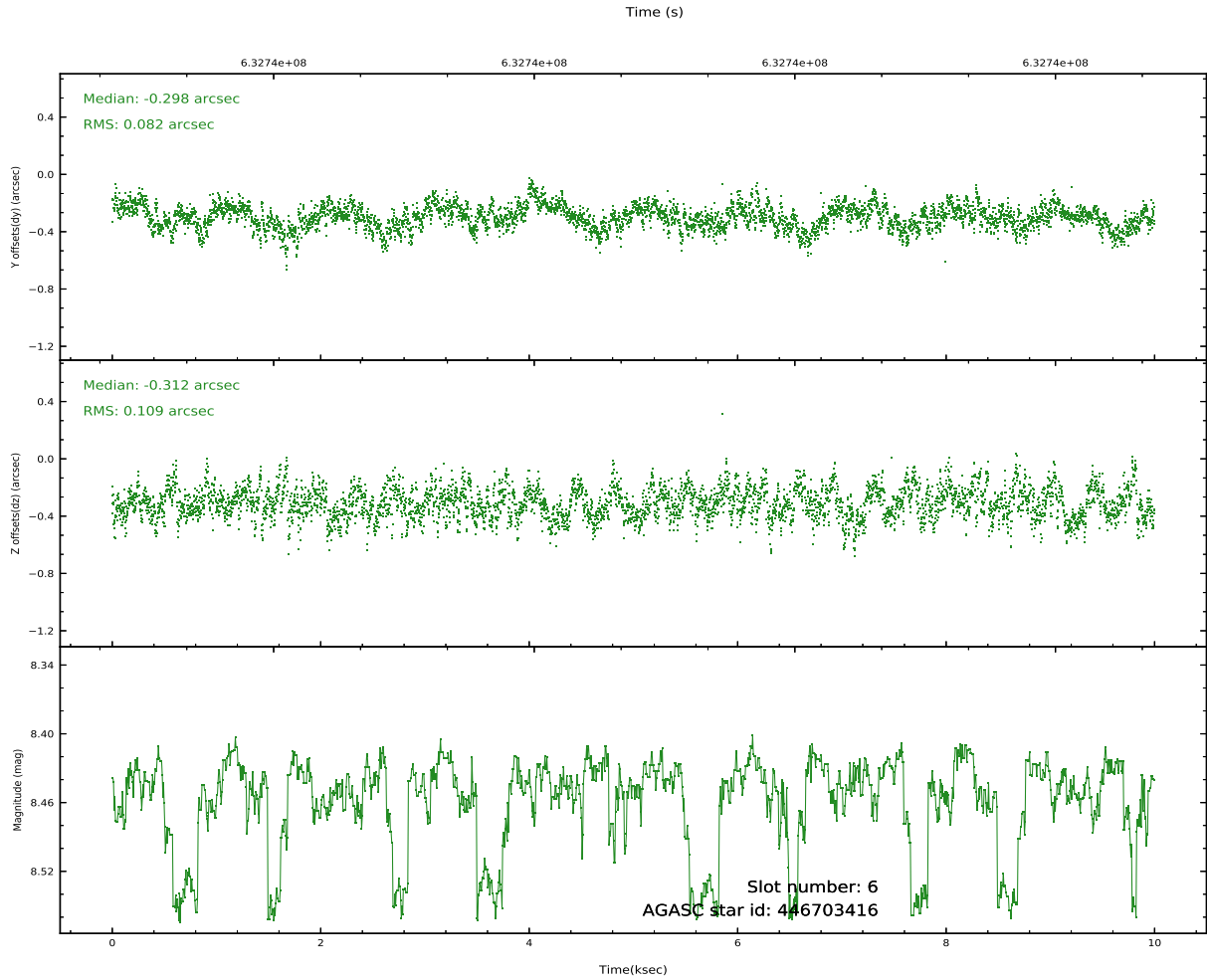
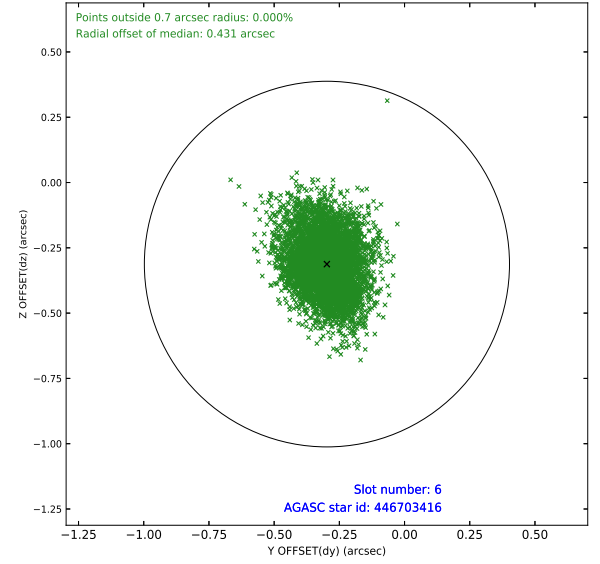
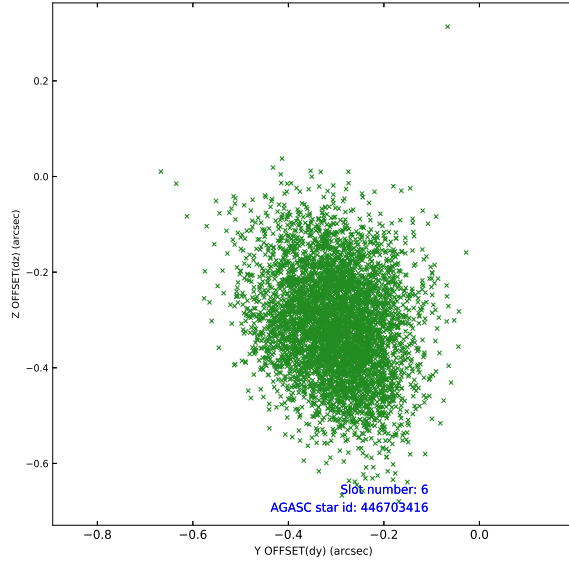
2.4.2 Slot 4



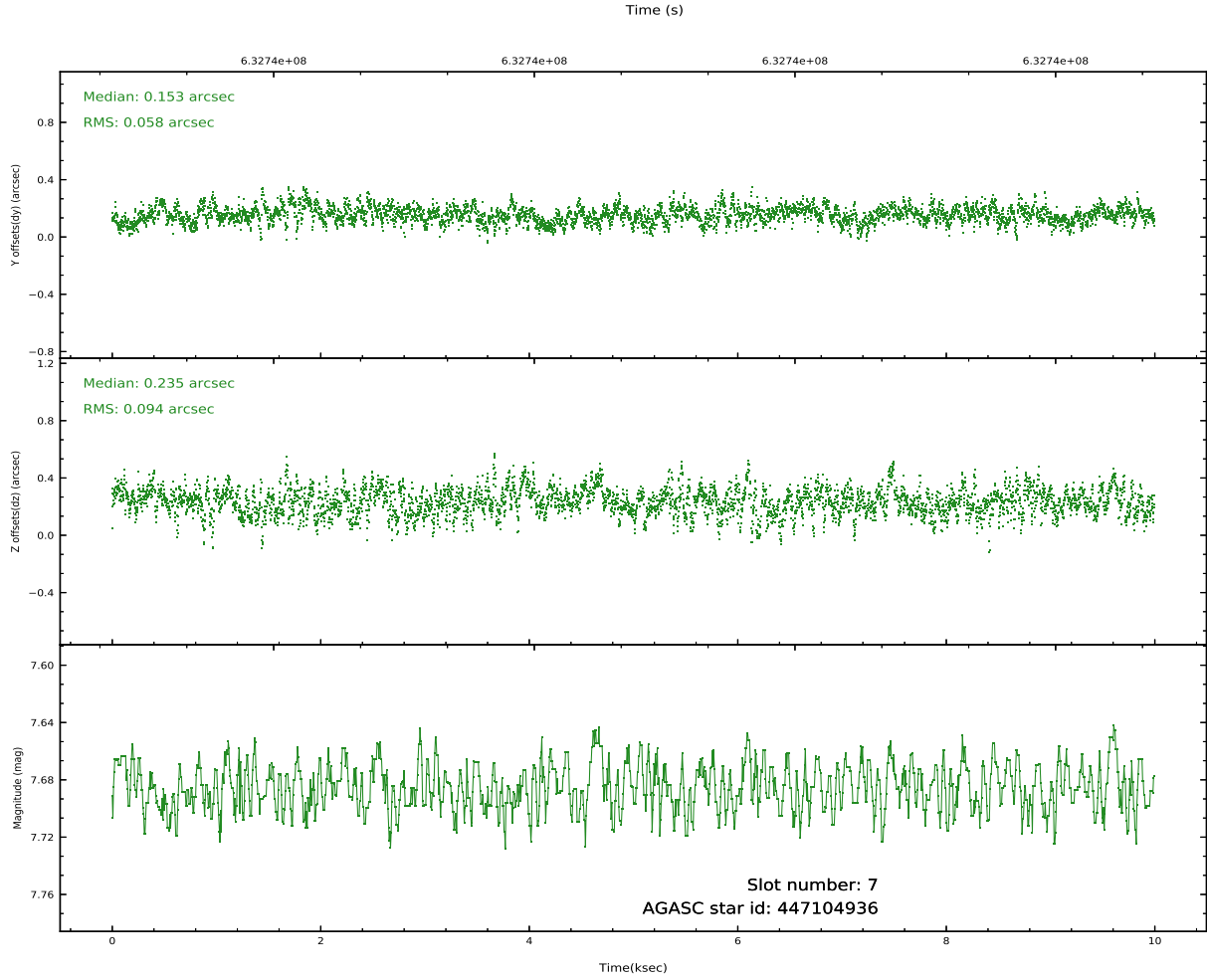
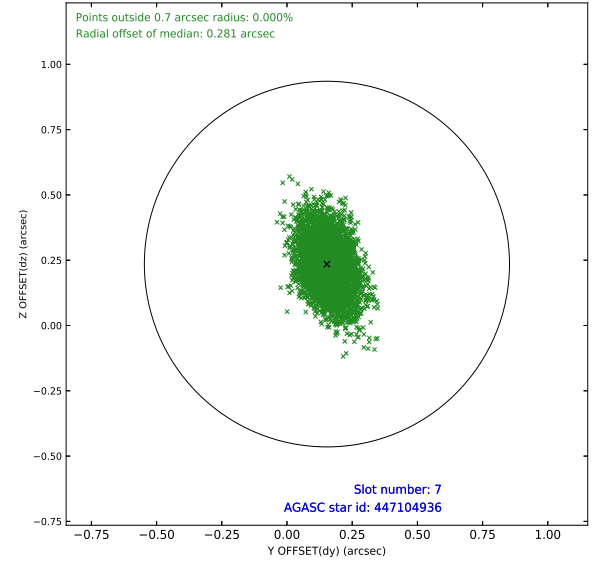
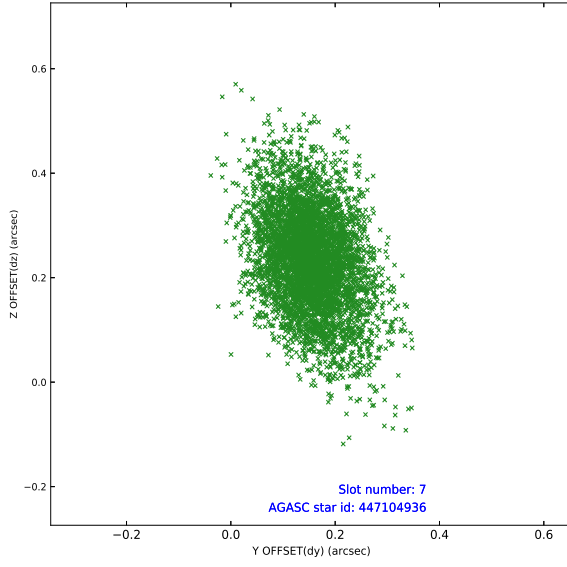
2.4.3 Slot 5



2.4.4 Slot 6

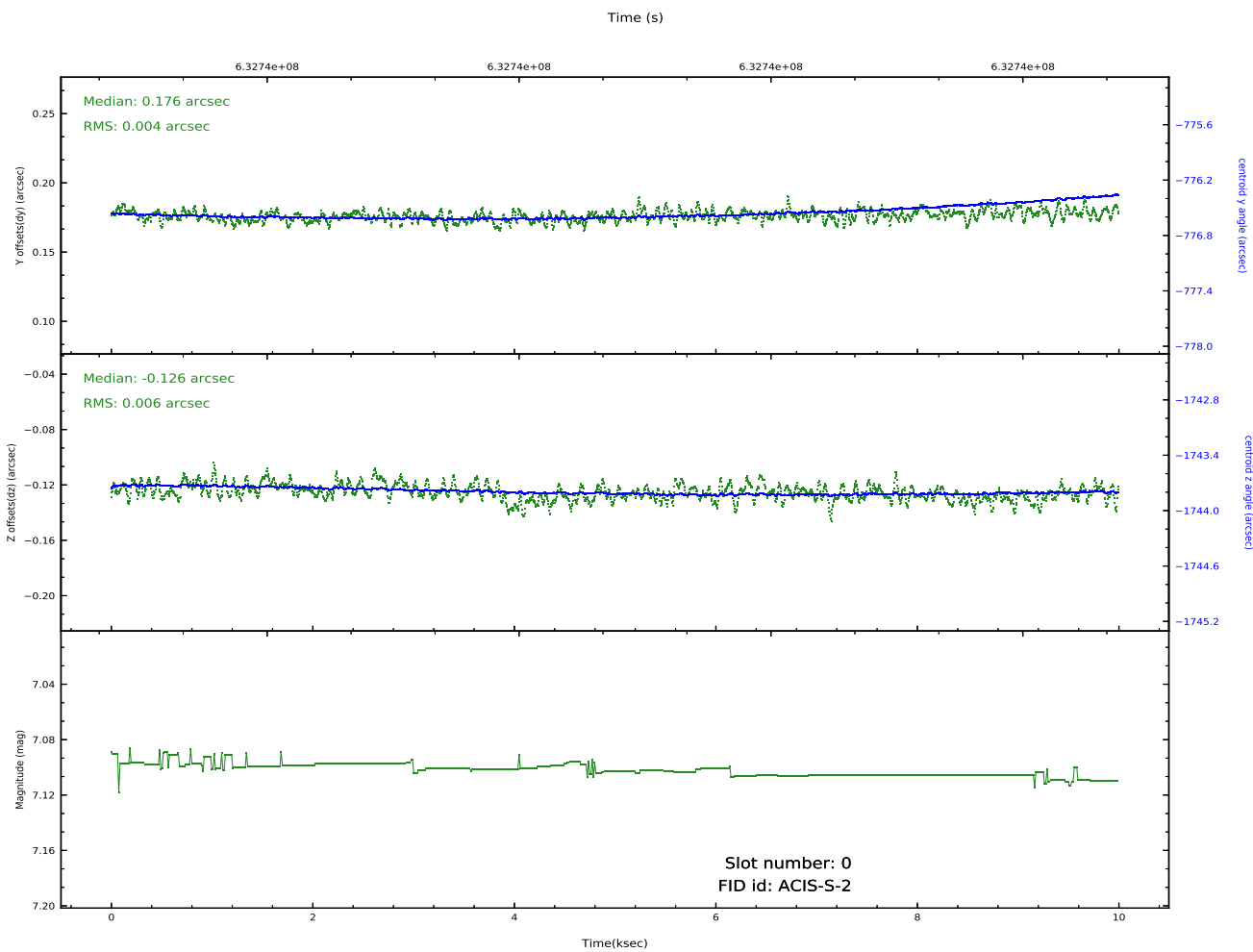
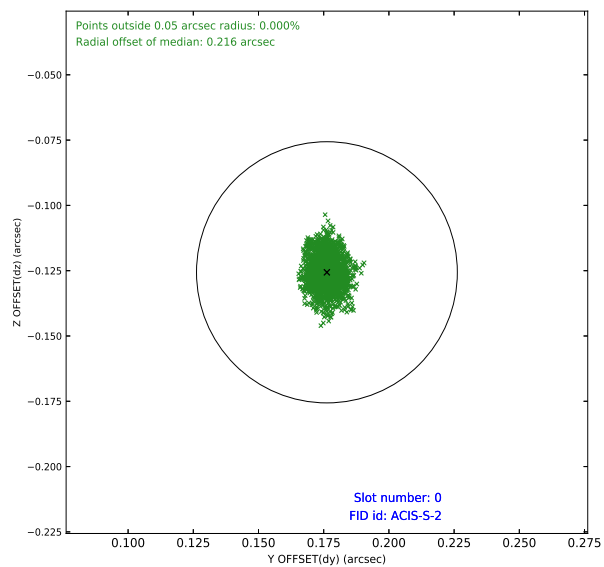
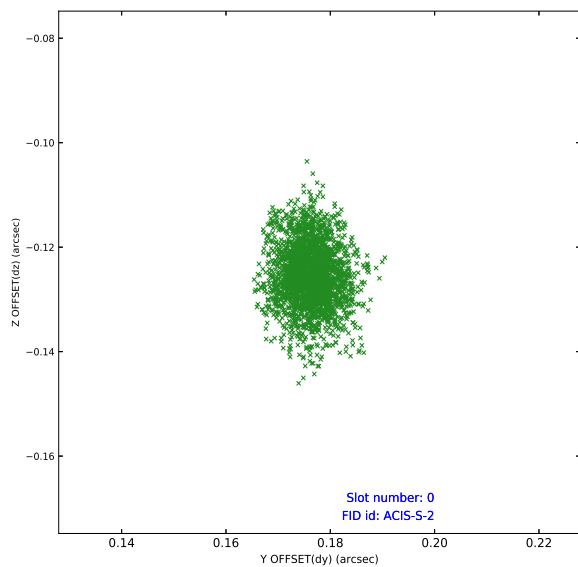


2.4.5 Slot 7

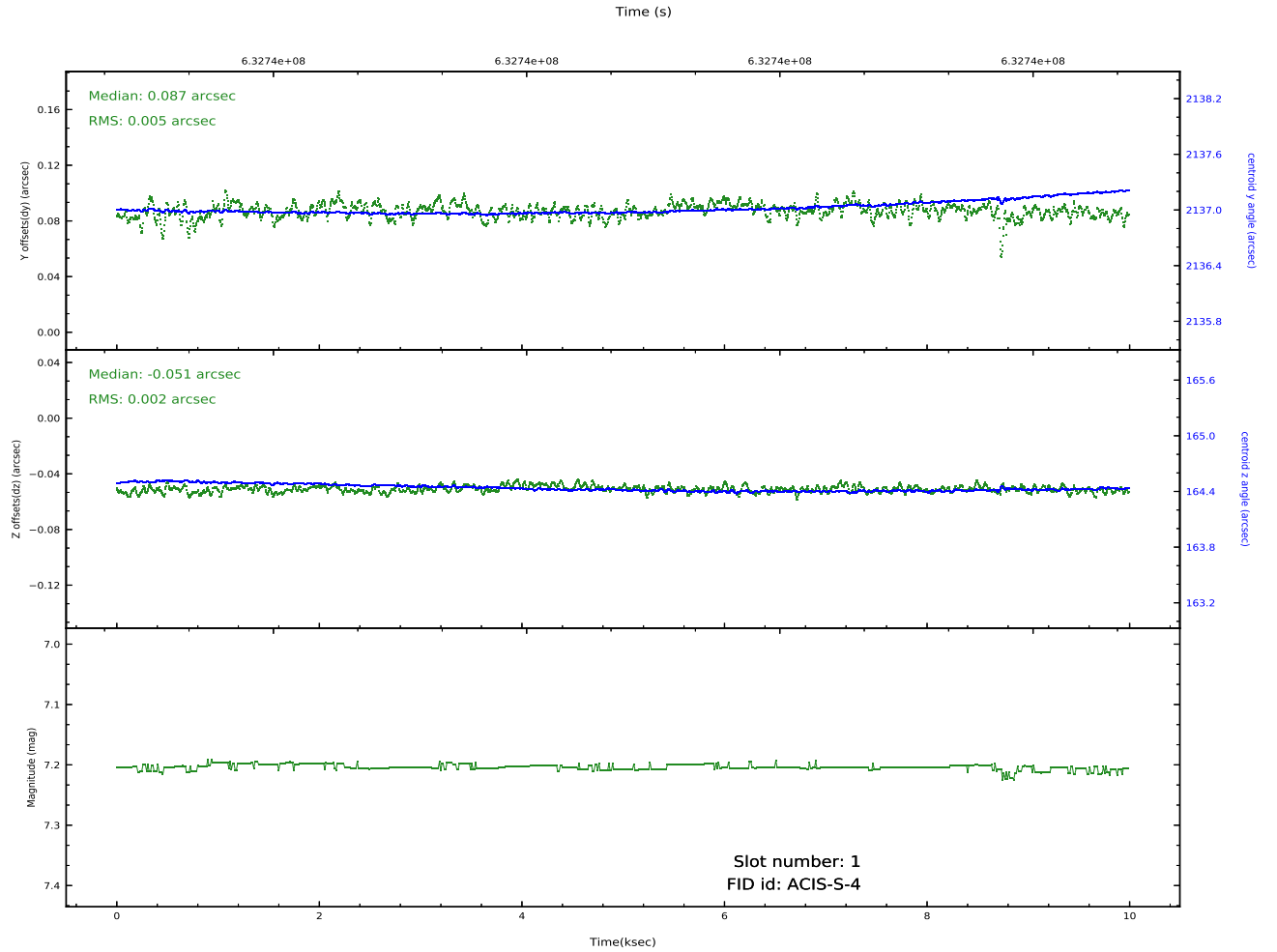
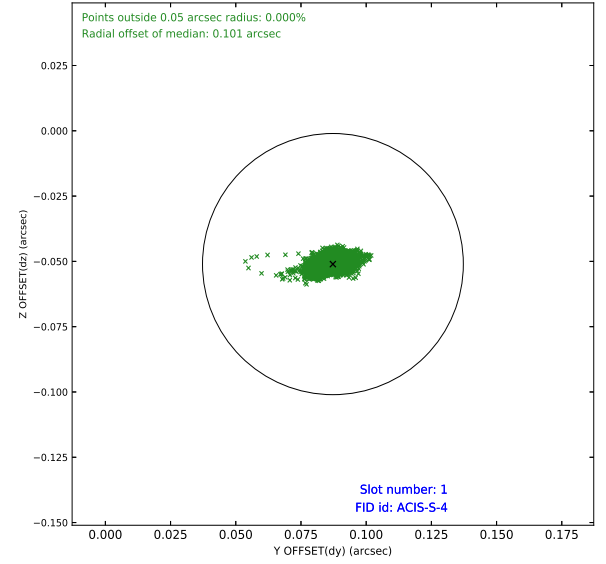
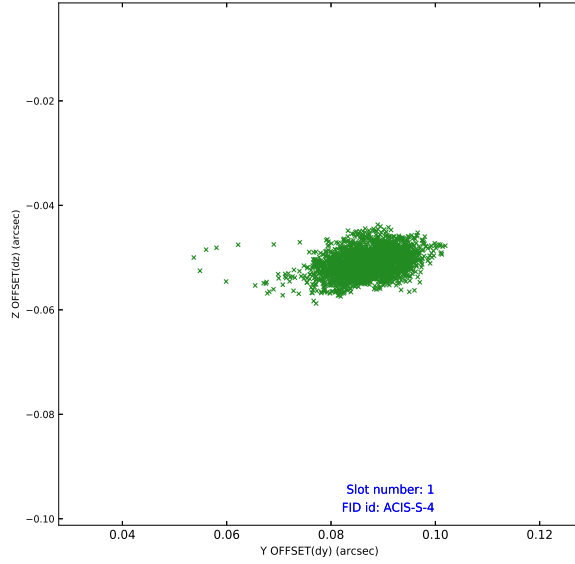


2.5 FID Slots

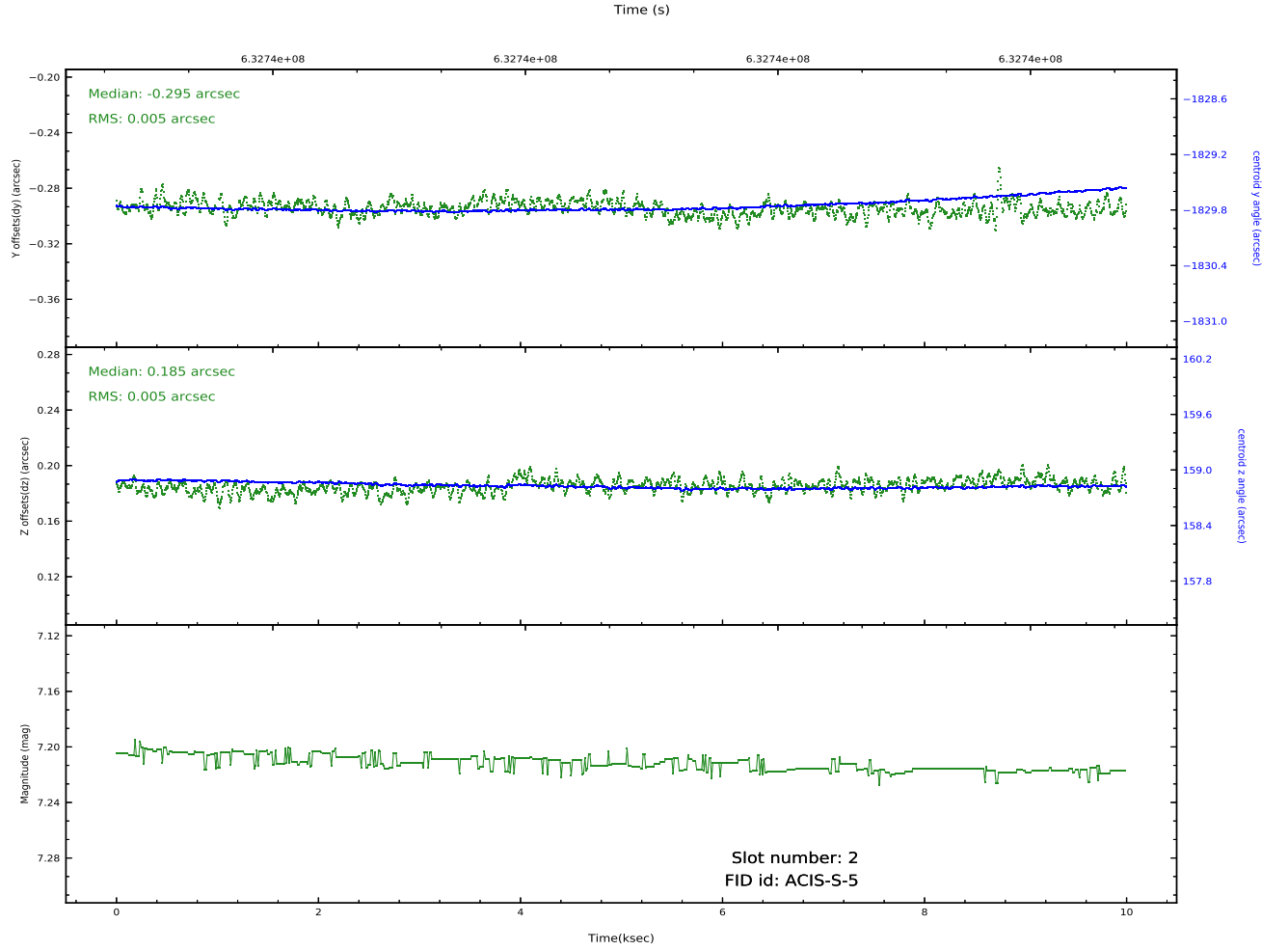
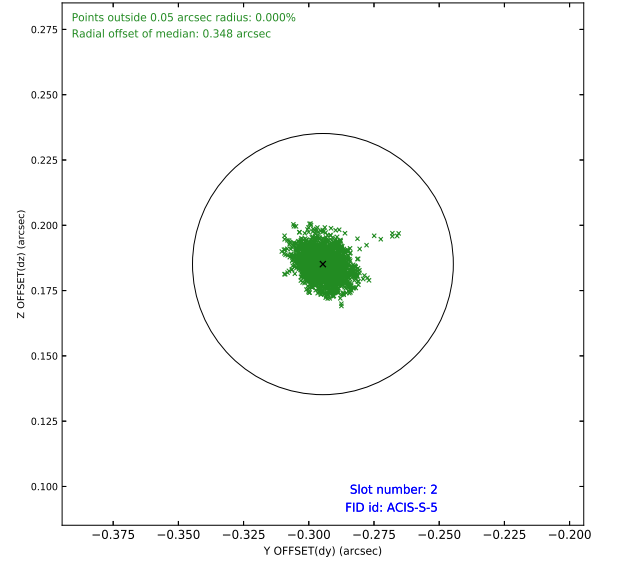
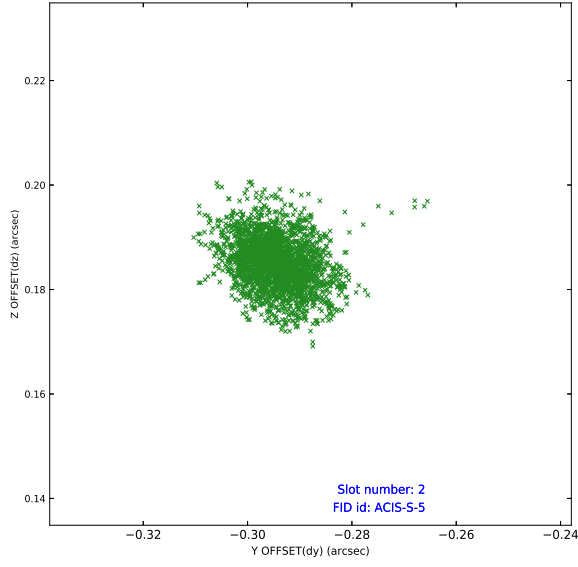
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.8799994111061

A.2 Comments