

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4558 - L2 Version 4
Chandra X-Ray Center

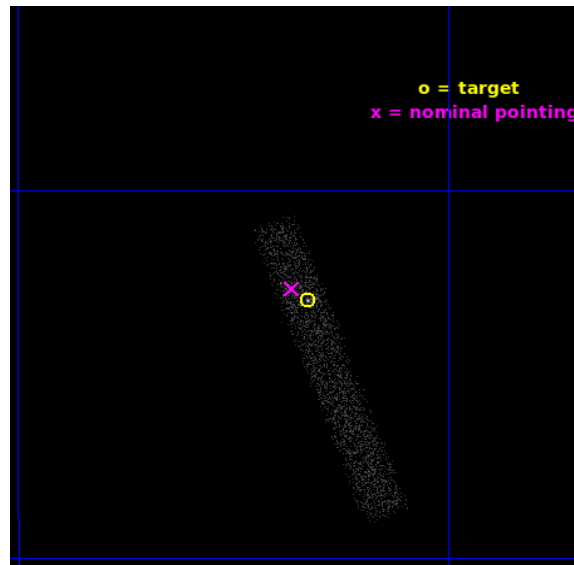
L2 Processing Date : Oct 6 2020

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1 Front

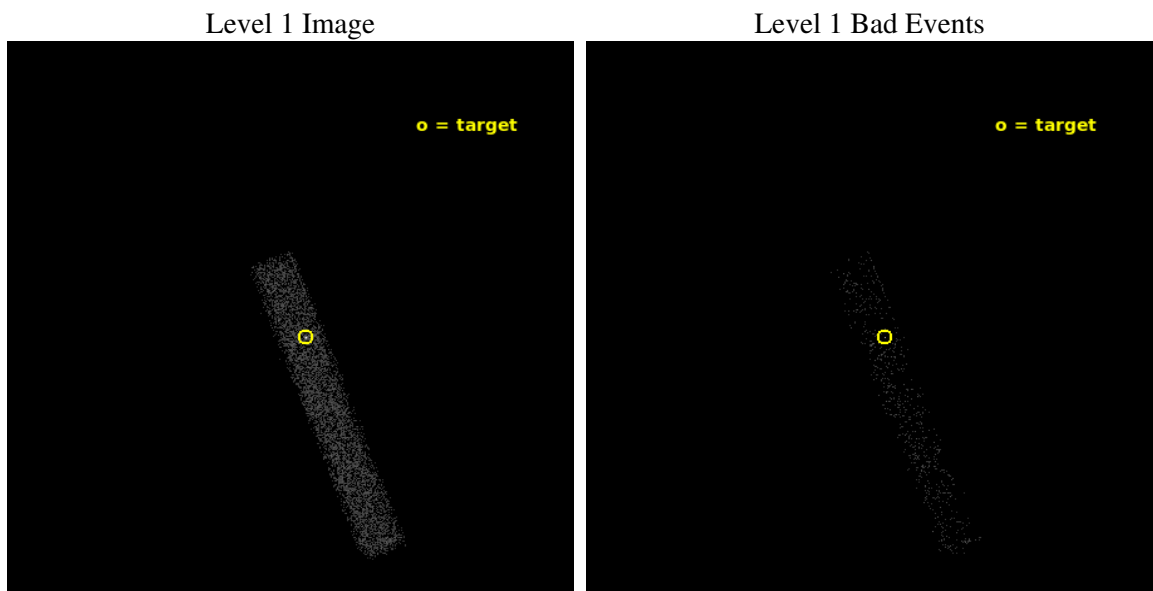
seq_num	400341	Sequence number
obs_id	4558	Observation id
title	Monitoring the ultraluminous x-ray source in NGC 5408	Proposal tit
observer	Philip Kaaret	Principal investigator
object	NGC 5408	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382972	Observer's specified target Dec [deg]
ra_nom	210.84085778238	Nominal RA [deg]
dec_nom	-41.377737818749	Nominal Dec [deg]
roll_nom	69.464502472932	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5158.8000768423	Sum of GTIs [s]
livetime	4678.7593659009	Livetime [s]
ontime7	5158.8000768423	Sum of GTIs [s]
l2events	4626	Number of level 2 events



2 OBI

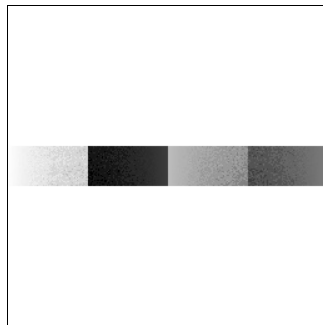
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5158.8000768423	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5158.8000768423	Sum of GTIs [s]
date	2020-10-06T09:40:13	Date and time of file creation	l1events	9806	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

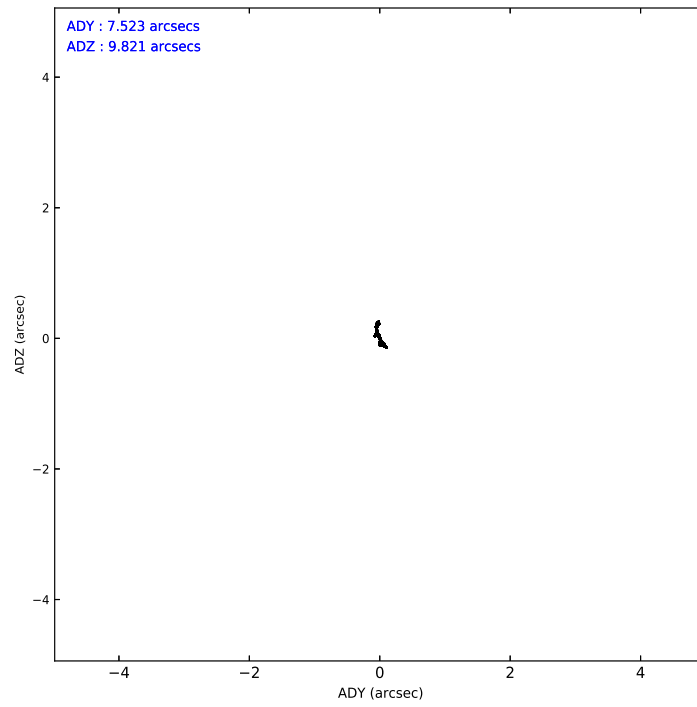
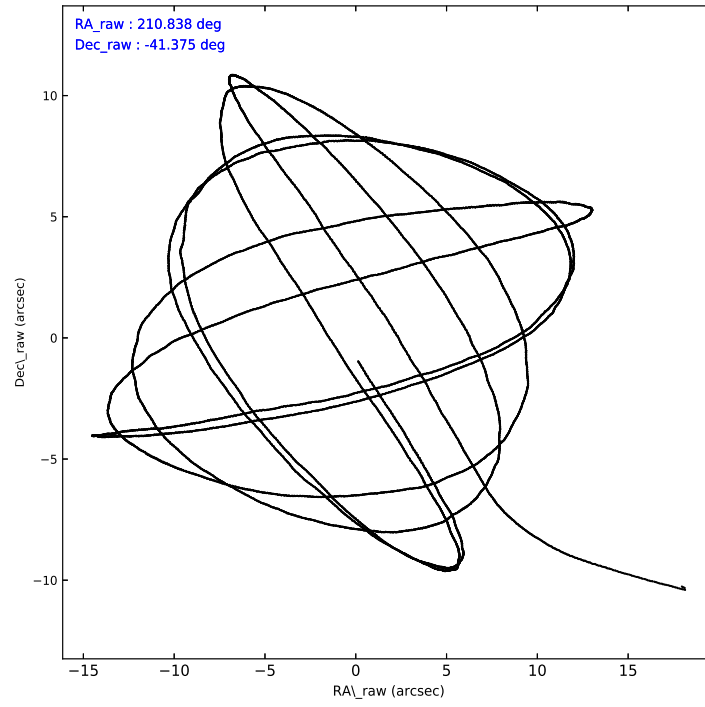
	ccd 7
level 1 events	9806
rejected events	5021
rejected %	51%

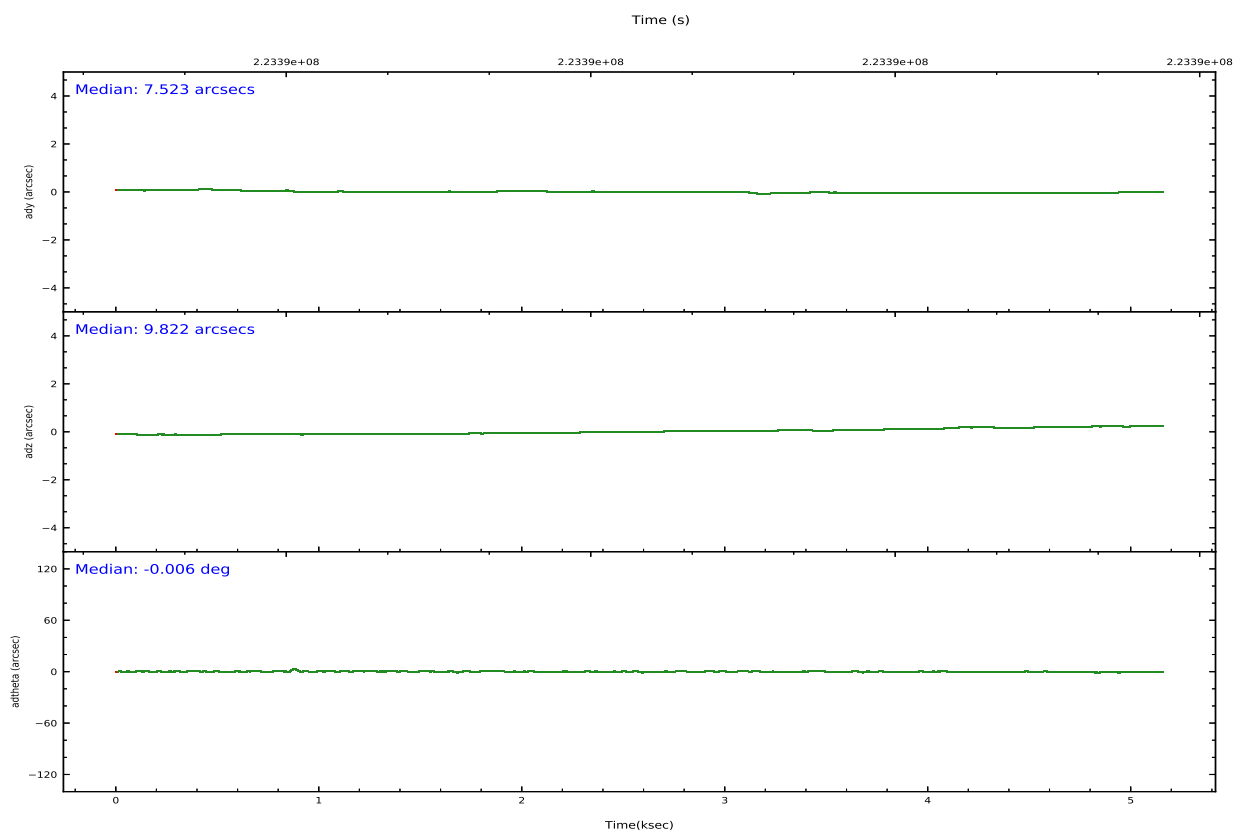
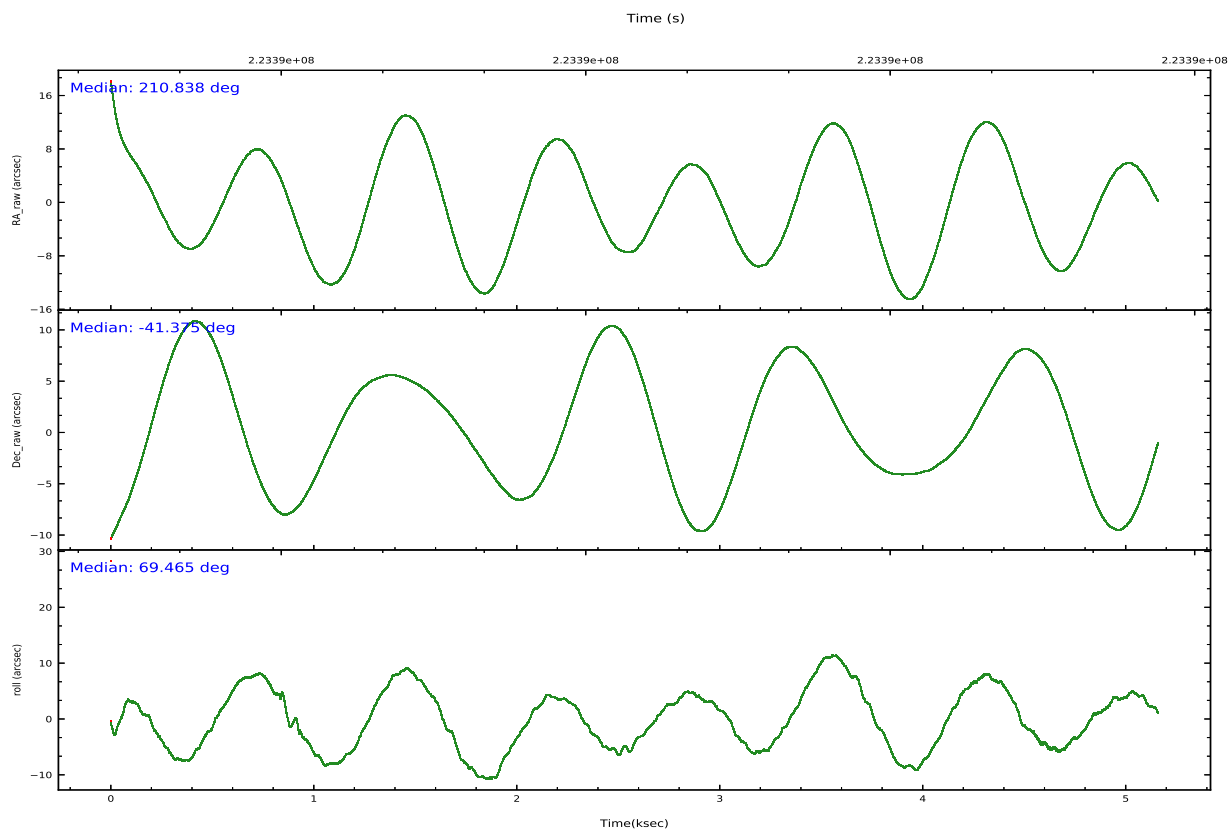
	ccd 7
grade 0 events	910
	9%
grade 1 events	18
	0%
grade 2 events	1112
	11%
grade 3 events	694
	7%
grade 4 events	681
	6%
grade 5 events	786
	8%
grade 6 events	1941
	19%
grade 7 events	3664
	37%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	210.844689	210.84085778238	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-41.401450	-41.377737818749	Subarray start row	449	449
[deg] Pointing Roll	69.310410	69.464502472932	Subarray row count	128	128
[s] Window start time (MET)	222566464.184000	222566464.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	233452863.184000	233452863.184000	[s] Primary exposure time	0.000000	0.4
[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)	223384820.184000	223383769.57292			
Observation start date	2005-01-29T11:19:16	2005-01-29T11:02:49			
[s] Observation end time (MET)	223389820.184000	223390554.56073			
Observation end date	2005-01-29T12:42:36	2005-01-29T12:55:54			
Read mode	TIMED	TIMED			

2.3 Aspect



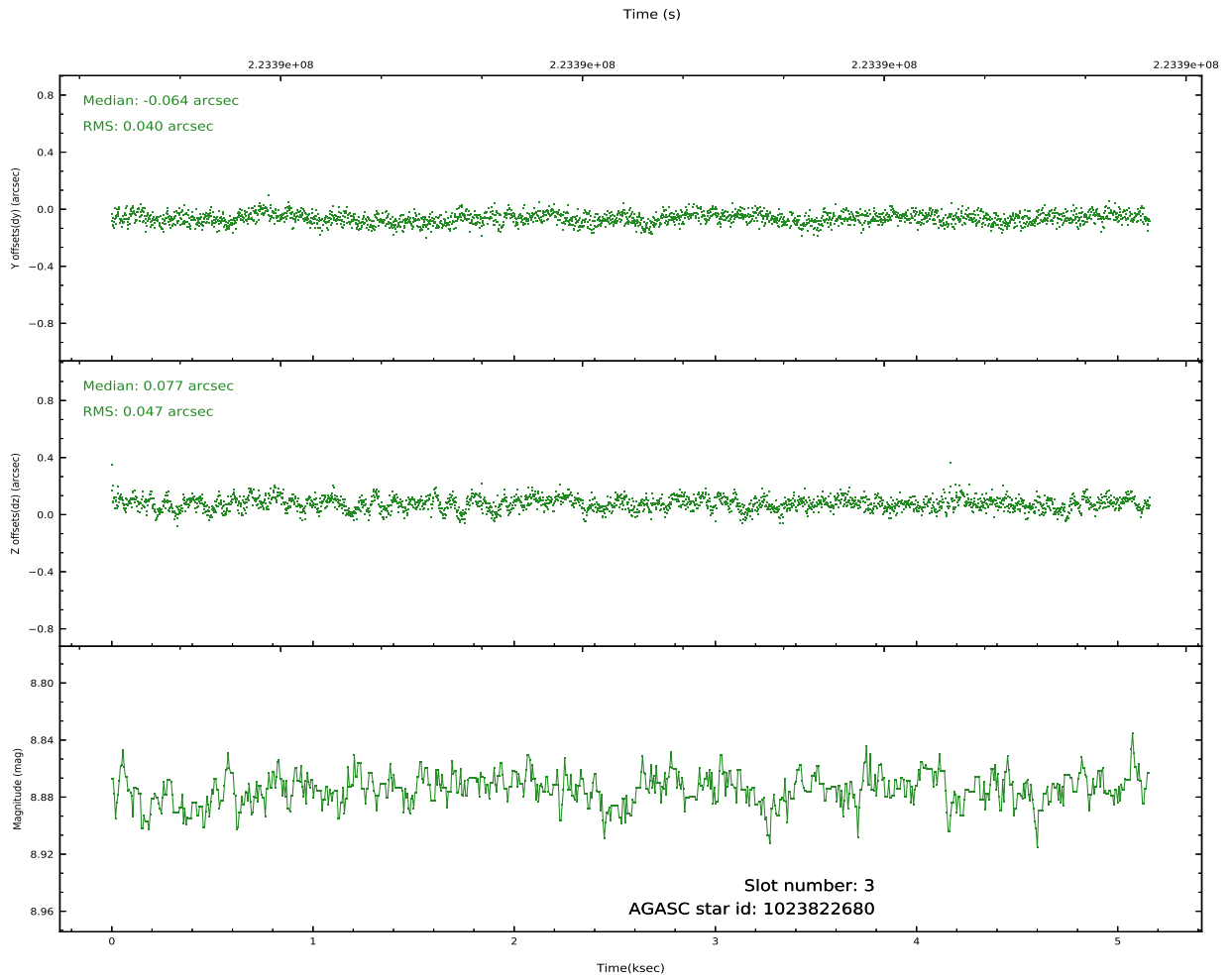
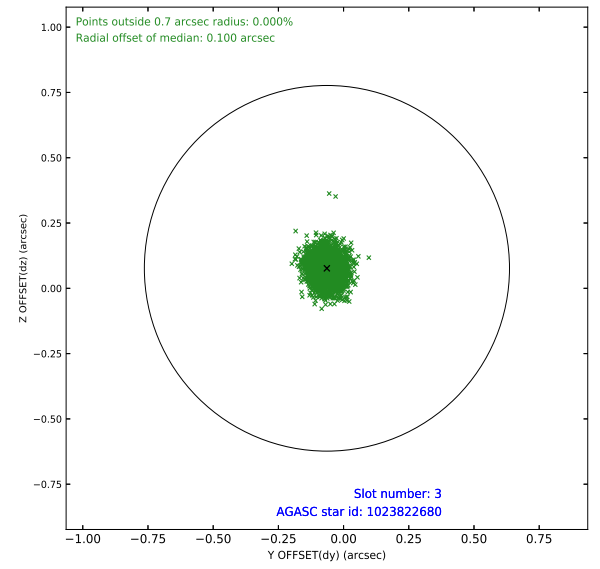
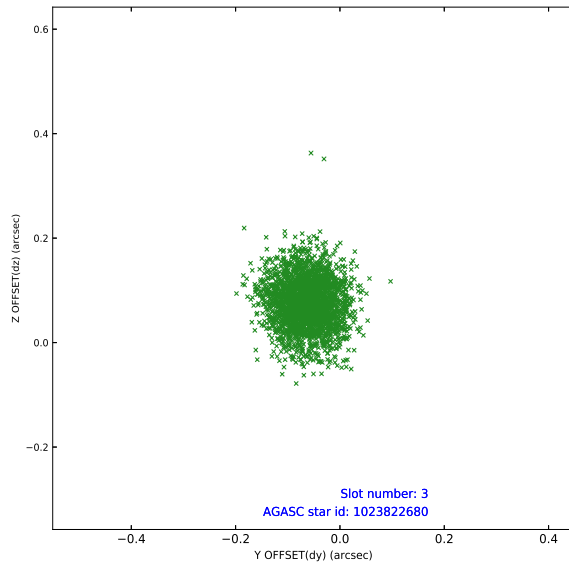


Slot Statistics

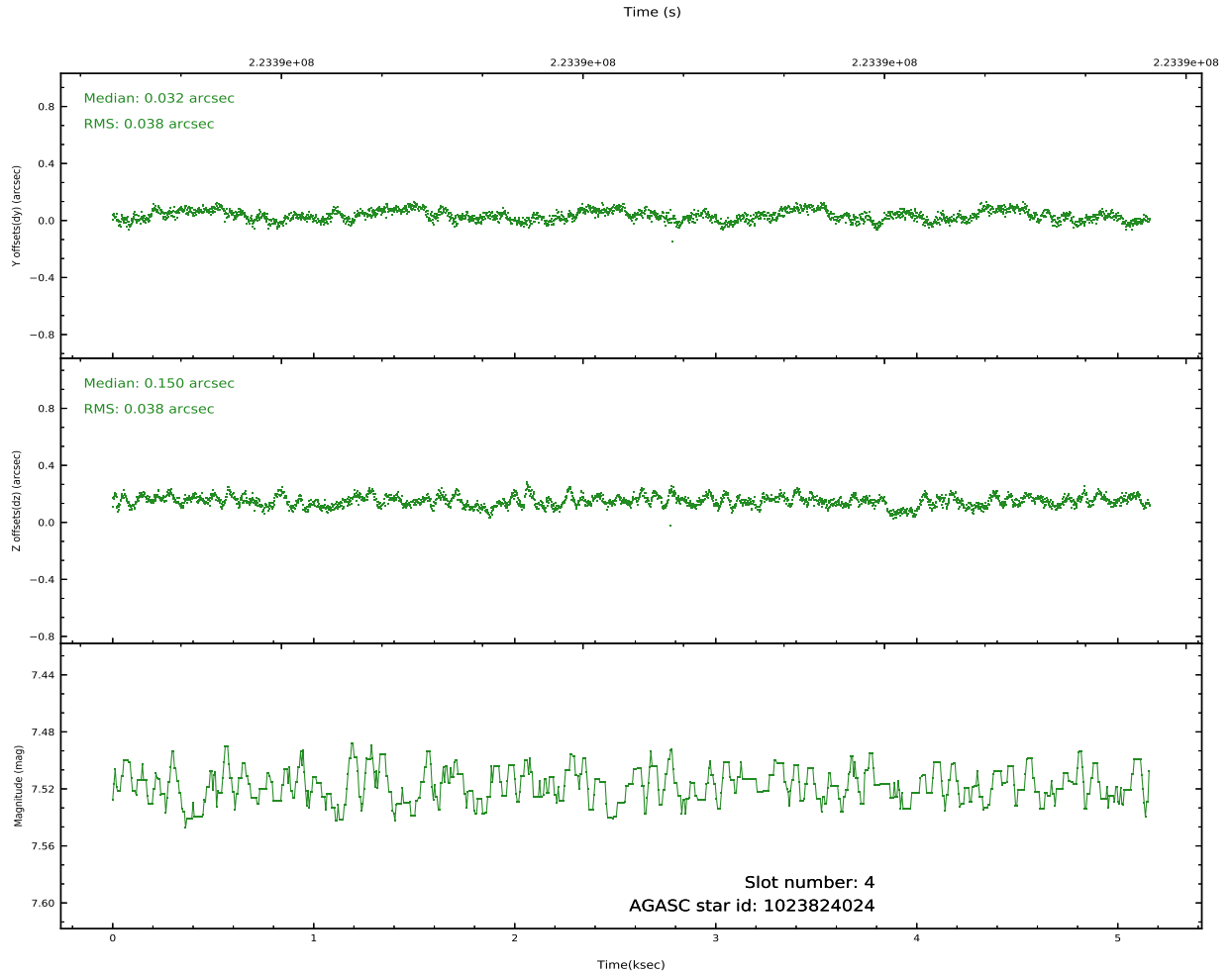
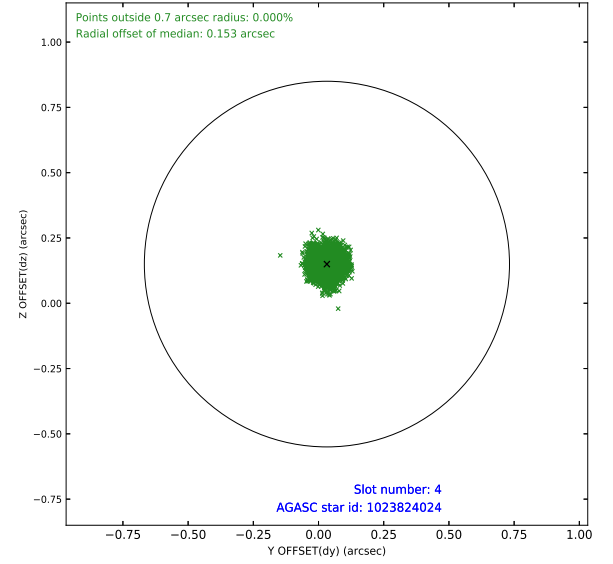
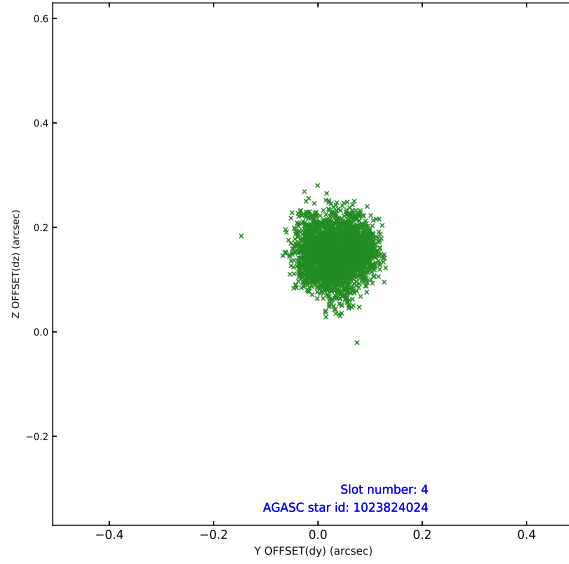
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1259	1.000	-0.072	-0.062	0.007	0.011	0.000000	0.000000	-760.29	-1731
1	FID		ACIS-S-4	7.21	1259	1.000	0.155	0.051	0.007	0.014	0.000000	0.000000	2152.61	176
2	FID		ACIS-S-5	7.24	1259	1.000	-0.114	0.020	0.007	0.012	0.000000	0.000000	-1811.74	171
3	GUIDE	used	1023822680	8.87	2518	1.000	-0.064	0.077	0.066	0.105	211.176618	-41.286245	703.66	-693
4	GUIDE	used	1023824024	7.52	2517	1.000	0.032	0.150	0.059	0.088	210.697872	-41.987484	-2112.23	-377
5	GUIDE	used	1023825800	8.70	2517	1.000	-0.057	-0.153	0.066	0.107	210.501956	-41.389570	-289.46	880
6	GUIDE	used	1023829016	6.61	2518	1.000	-0.056	0.117	0.073	0.142	210.864452	-41.423345	-54.94	-76
7	GUIDE	used	1022113240	8.68	2516	1.000	0.137	-0.194	0.084	0.140	209.911894	-41.827693	-2332.05	1794

2.4 Star Slots

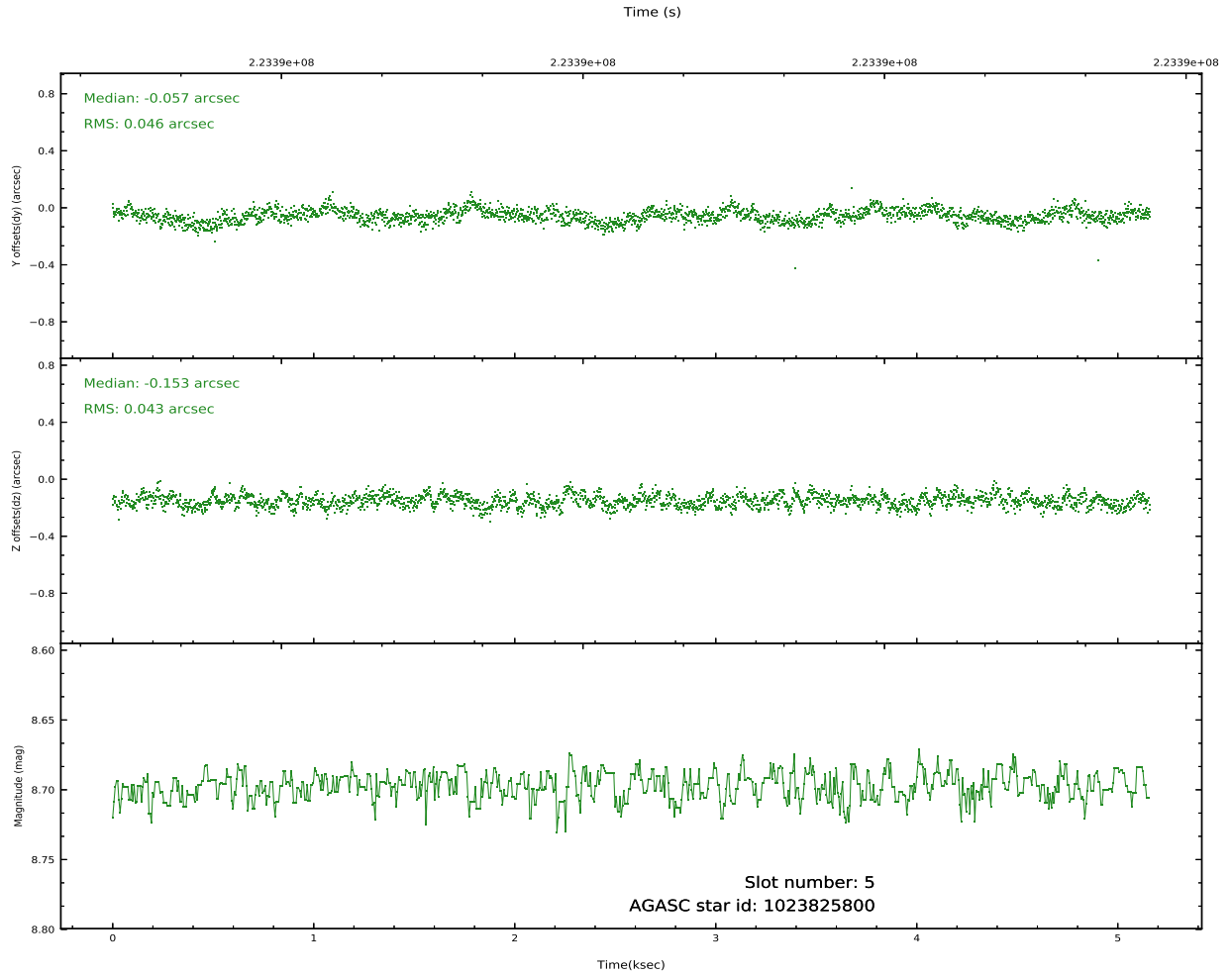
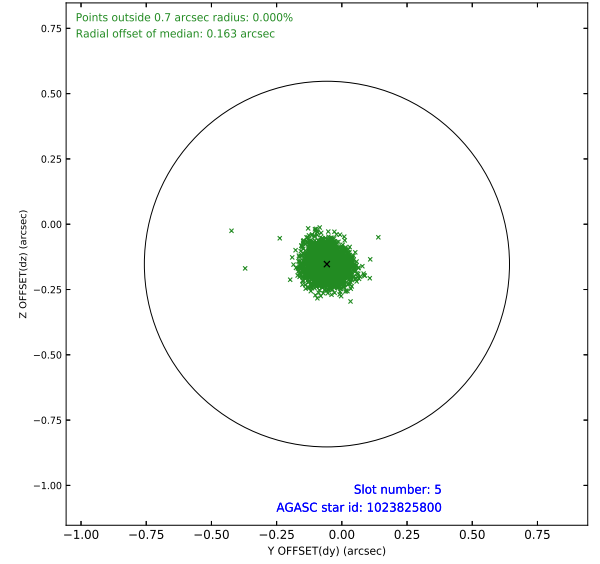
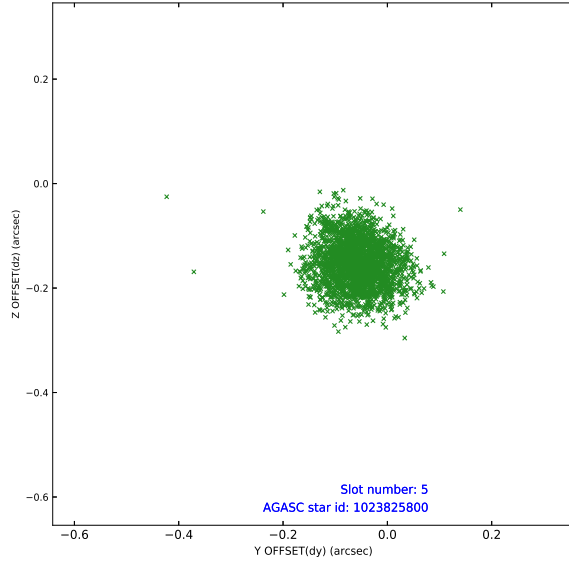
2.4.1 Slot 3



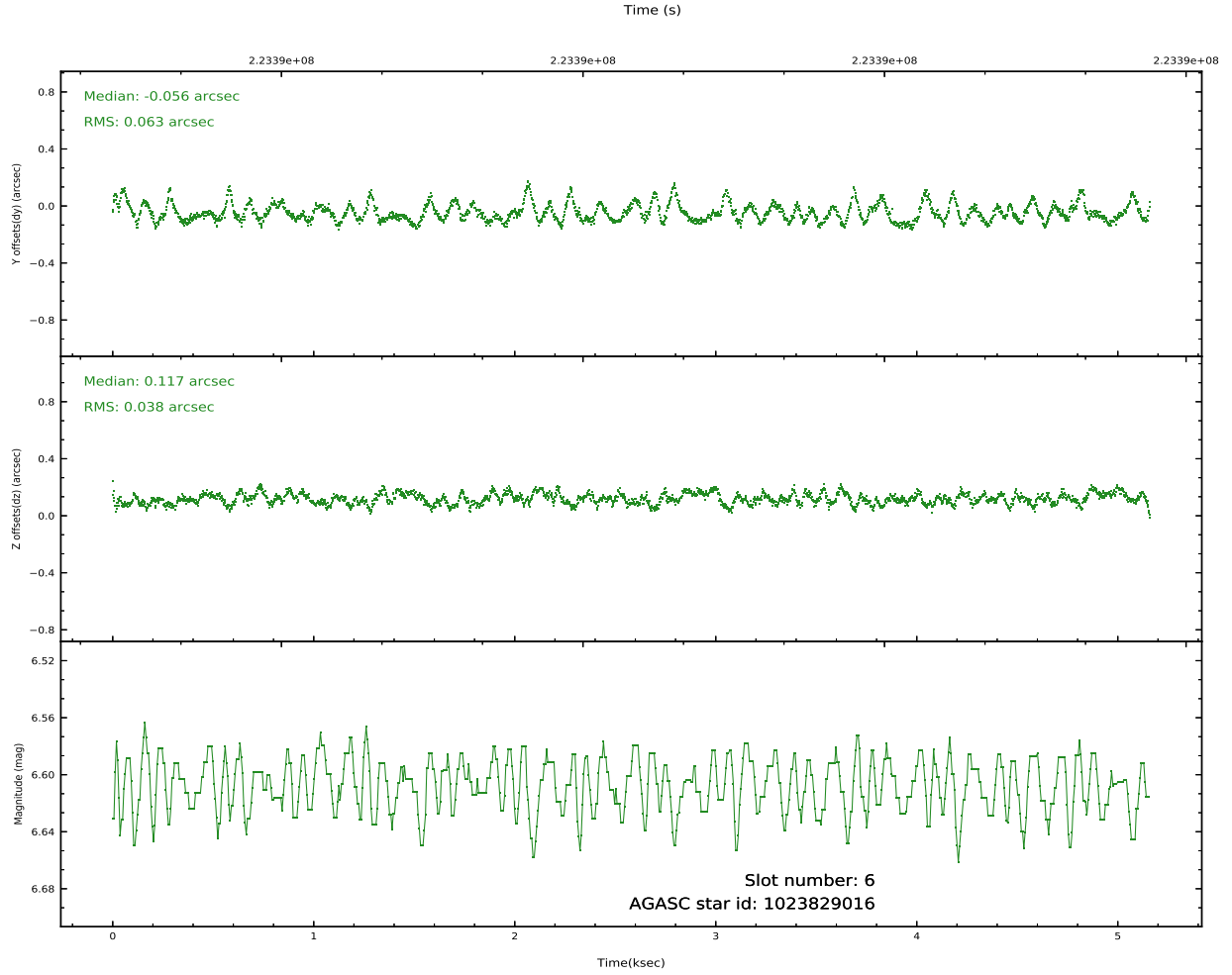
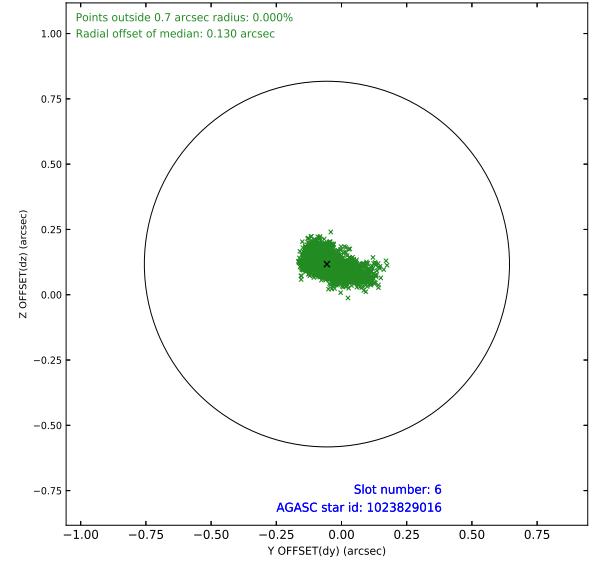
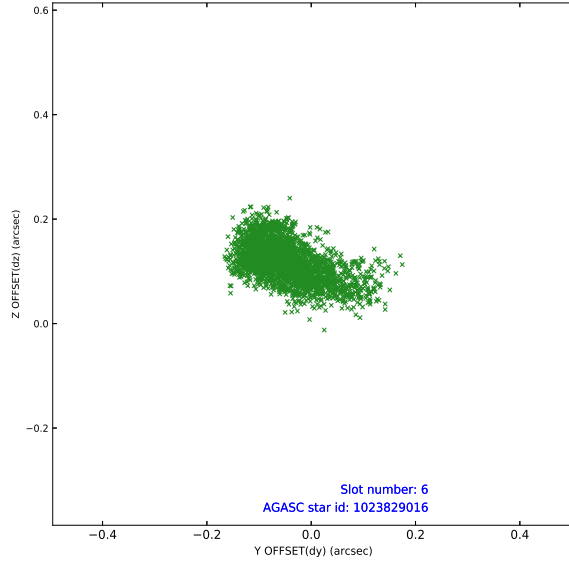
2.4.2 Slot 4



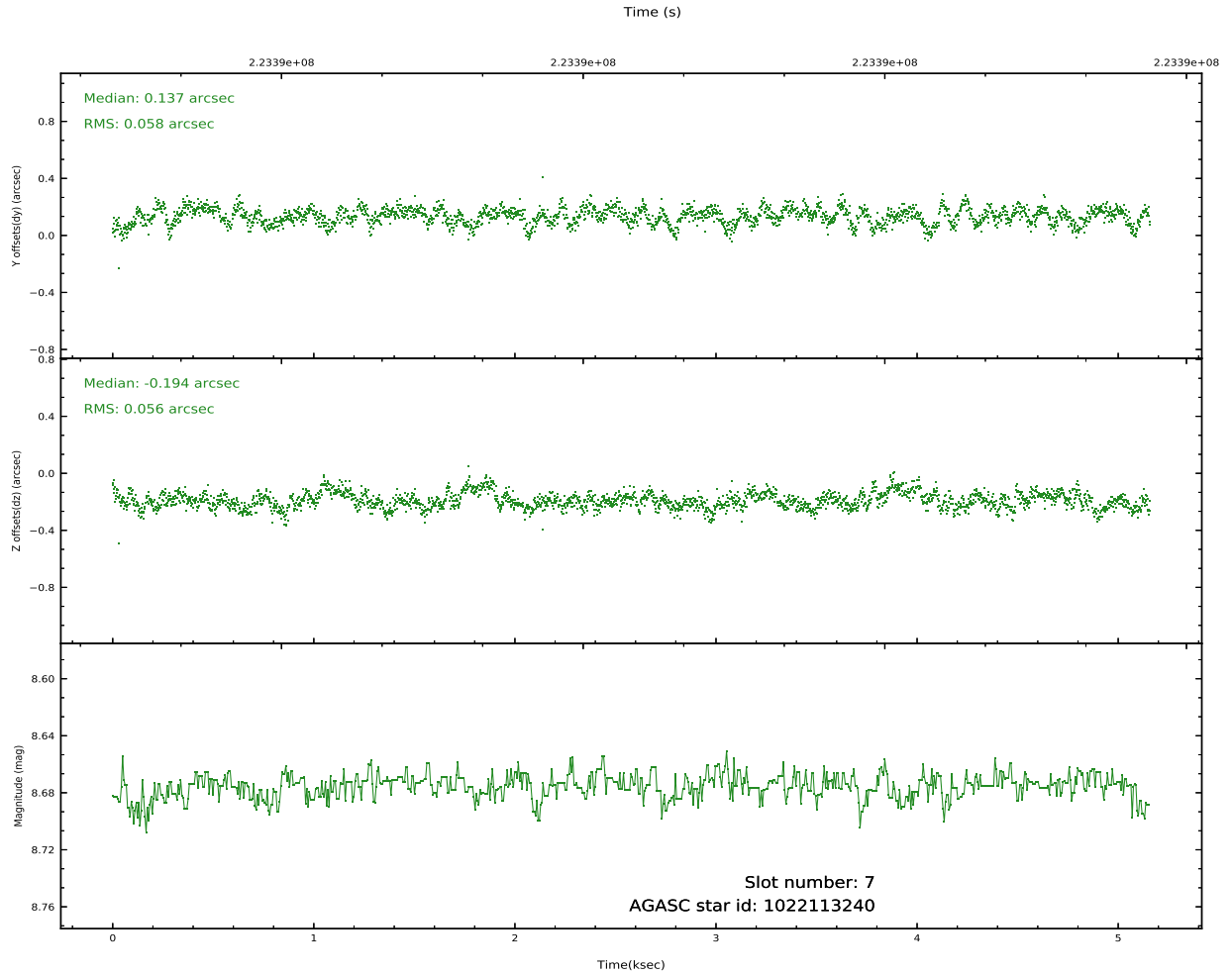
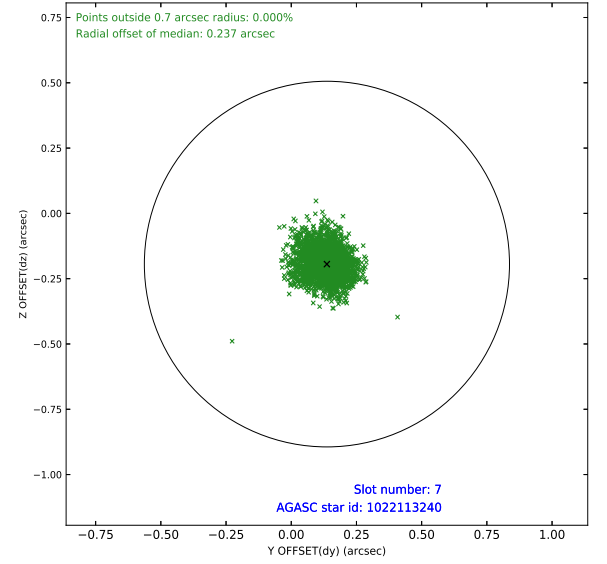
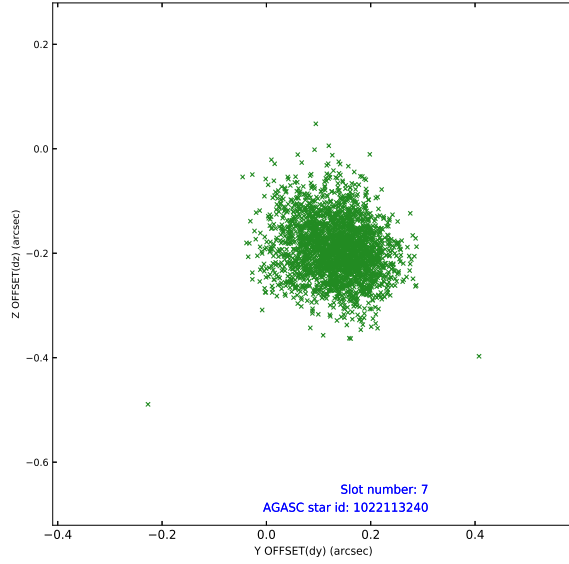
2.4.3 Slot 5



2.4.4 Slot 6

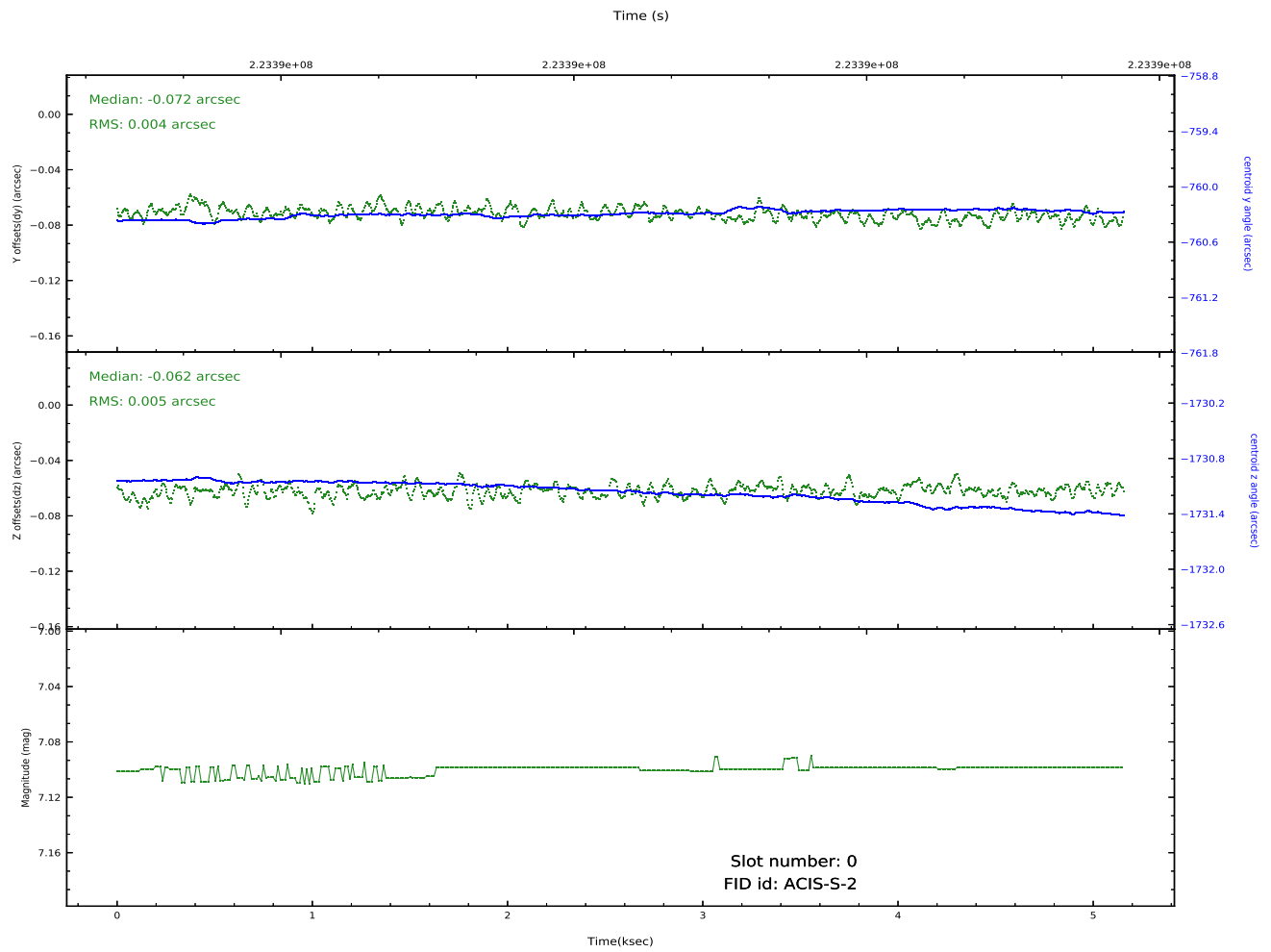
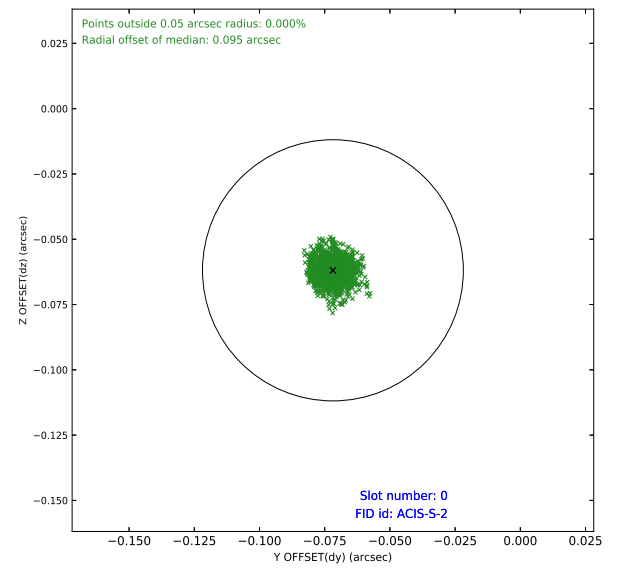
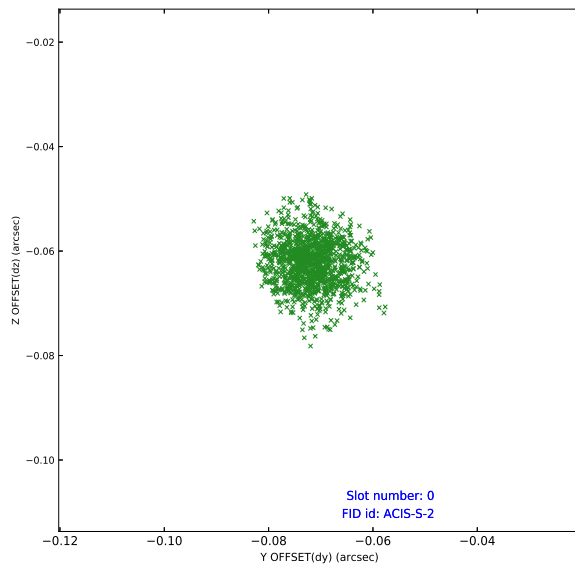


2.4.5 Slot 7

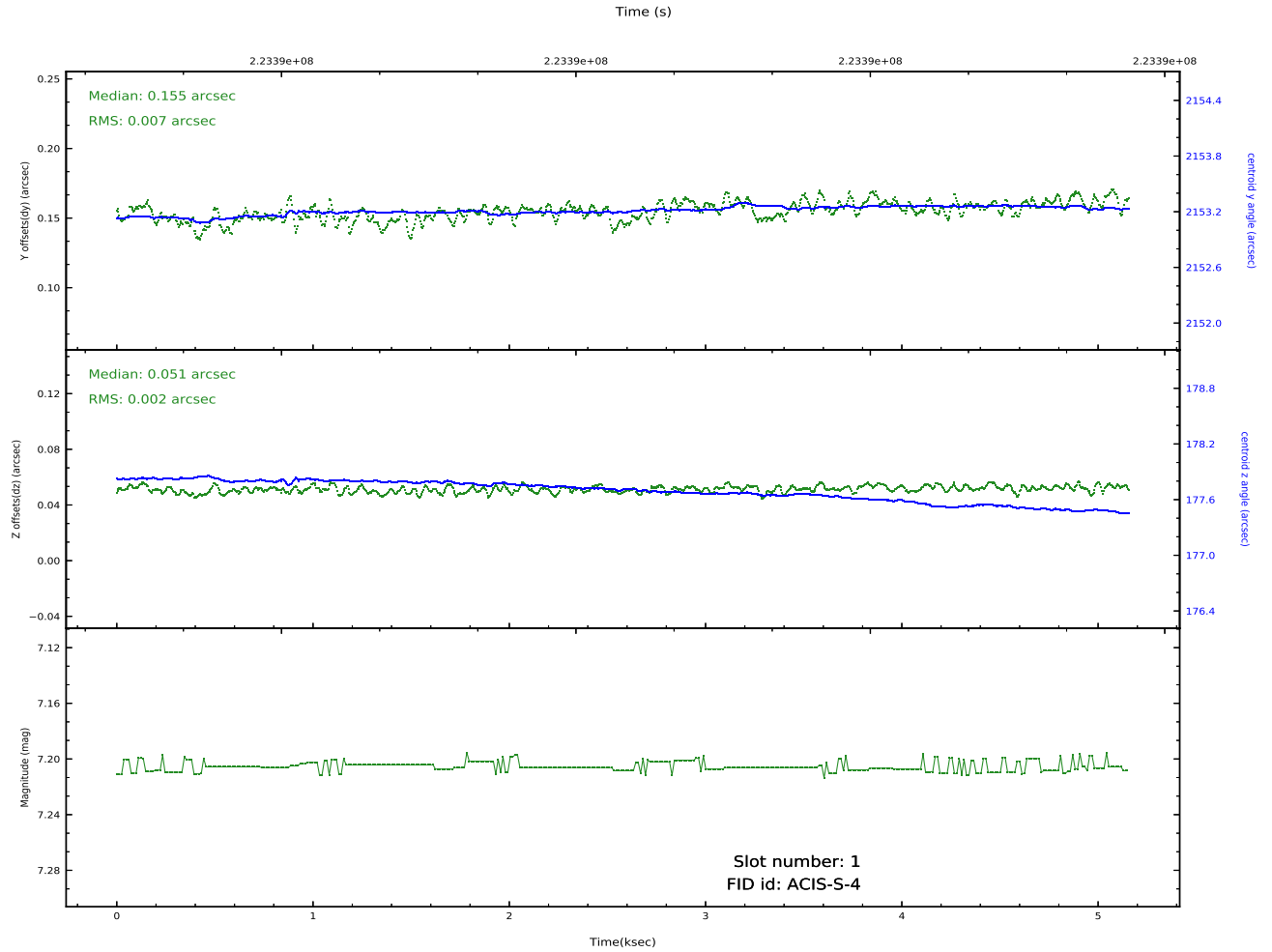
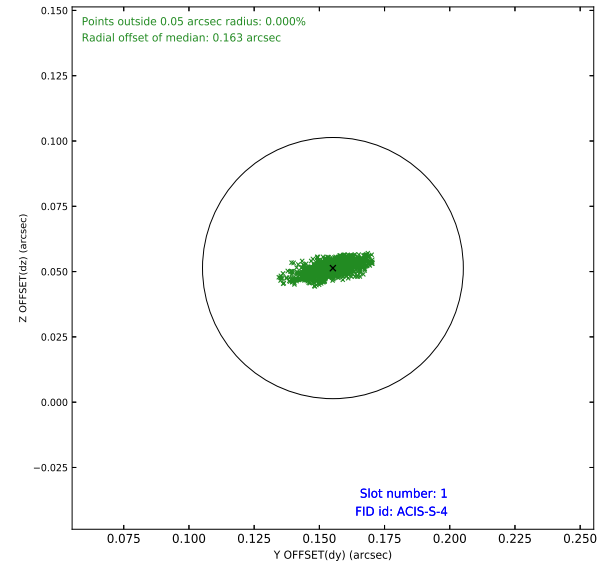
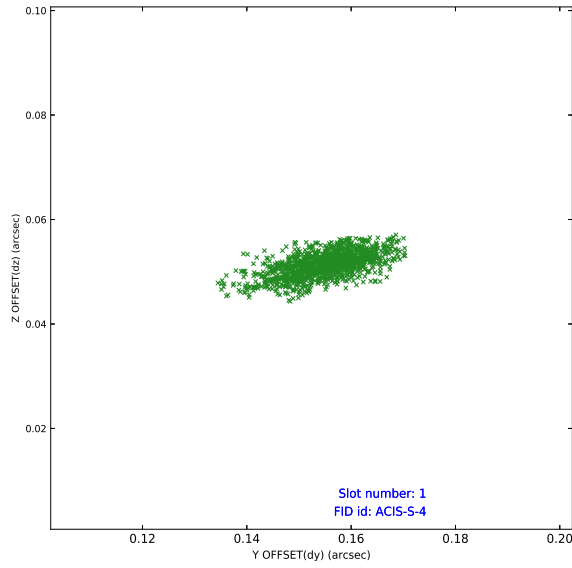


2.5 FID Slots

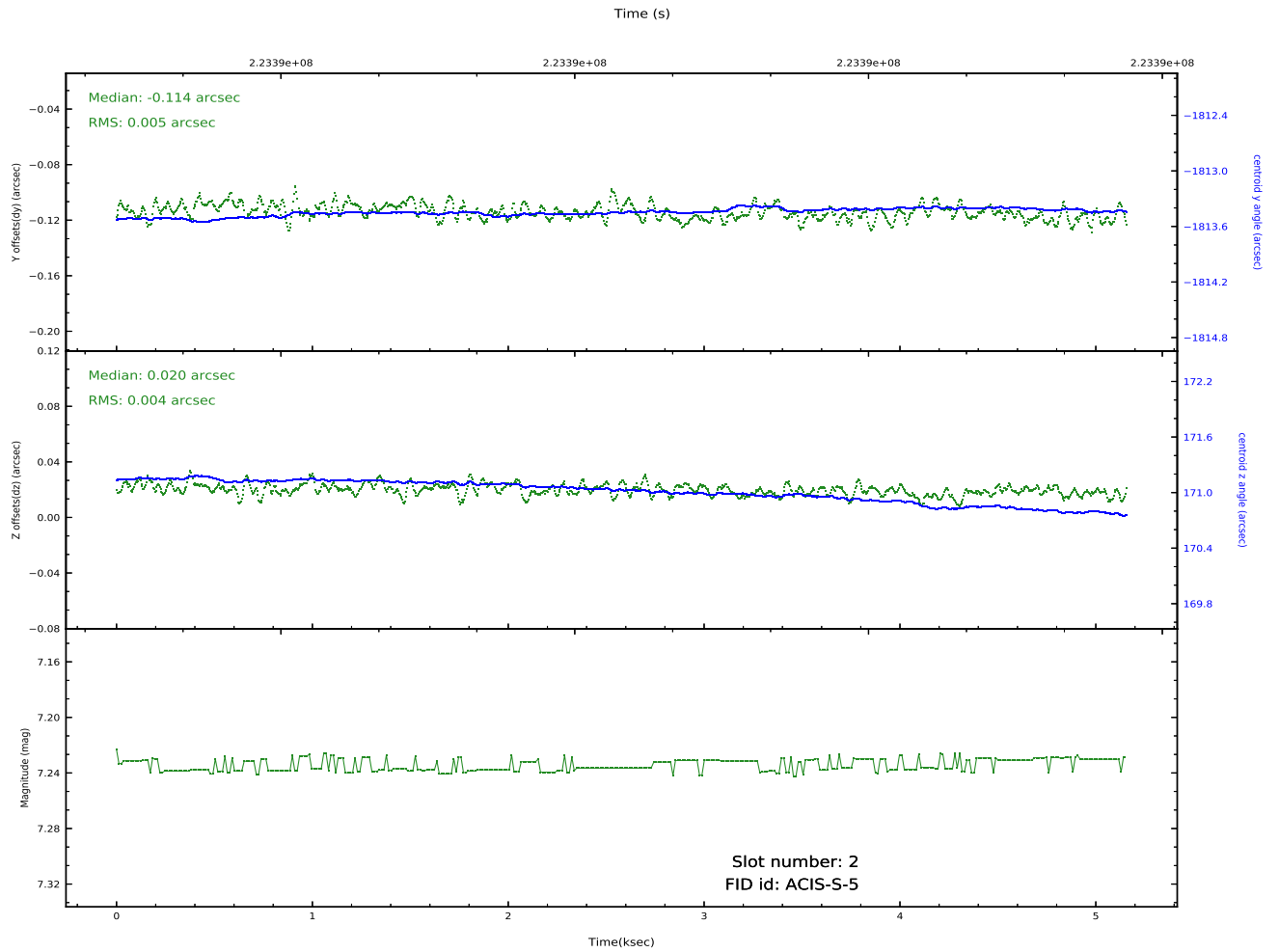
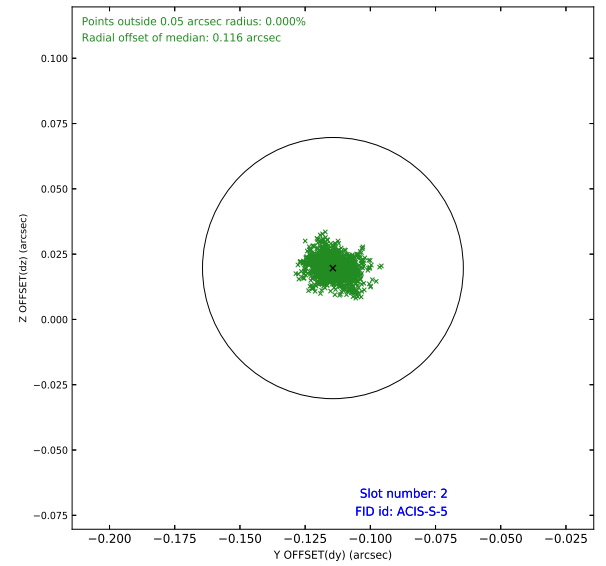
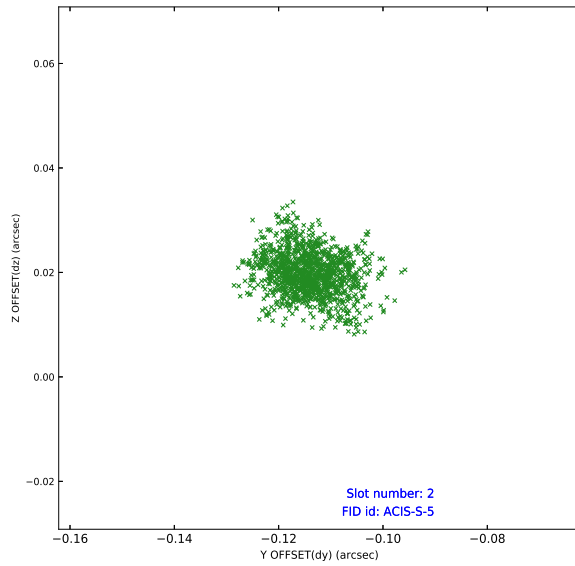
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1588

A.2 Comments

Window constraint met. Joint Proposal: NRAO