

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4556 - L2 Version 4
Chandra X-Ray Center

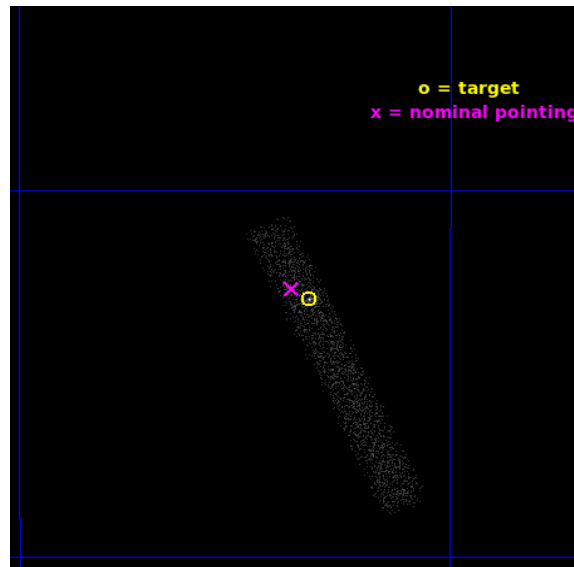
L2 Processing Date : Sep 23 2020

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1 Front

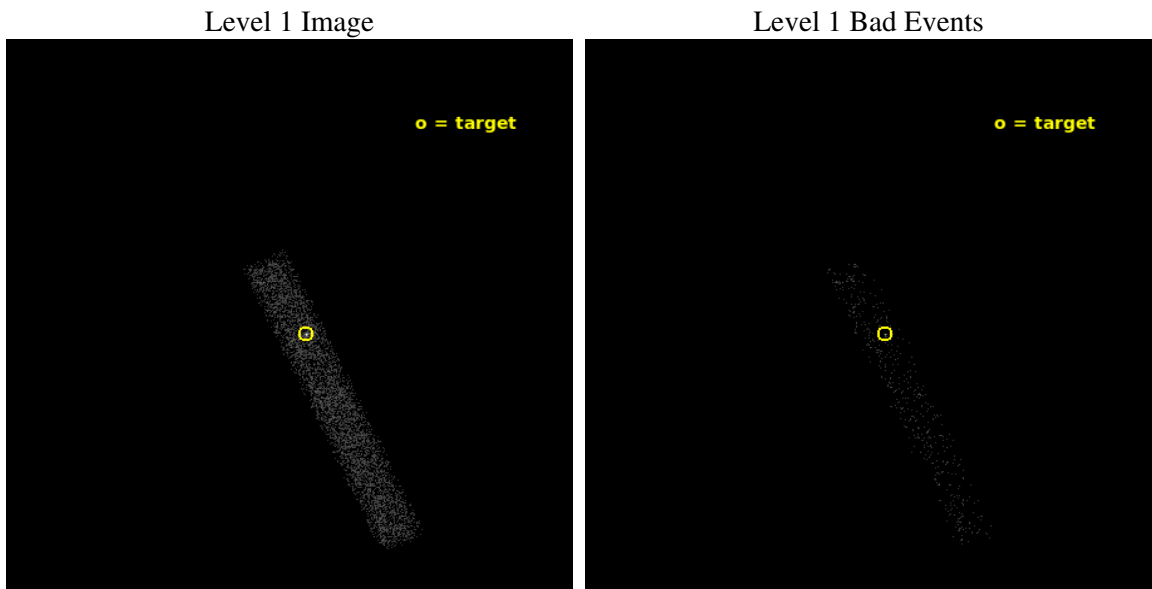
seq_num	400339	Sequence number
obs_id	4556	Observation id
title	Monitoring the ultraluminous x-ray source in NGC 5408	Proposal tit
observer	Philip Kaaret	Principal investigator
object	NGC 5408	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382972	Observer's specified target Dec [deg]
ra_nom	210.84172551658	Nominal RA [deg]
dec_nom	-41.378188201554	Nominal Dec [deg]
roll_nom	64.733483797337	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4904.8000730574	Sum of GTIs [s]
livetime	4448.3947696875	Livetime [s]
ontime7	4904.8000730574	Sum of GTIs [s]
l2events	4117	Number of level 2 events



2 OBI

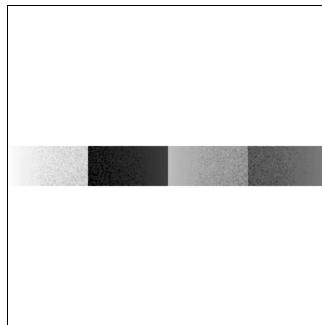
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4728.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4904.8000730574	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	4904.8000730574	Sum of GTIs [s]
date	2020-09-23T04:19:48	Date and time of file creation	l1events	8976	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

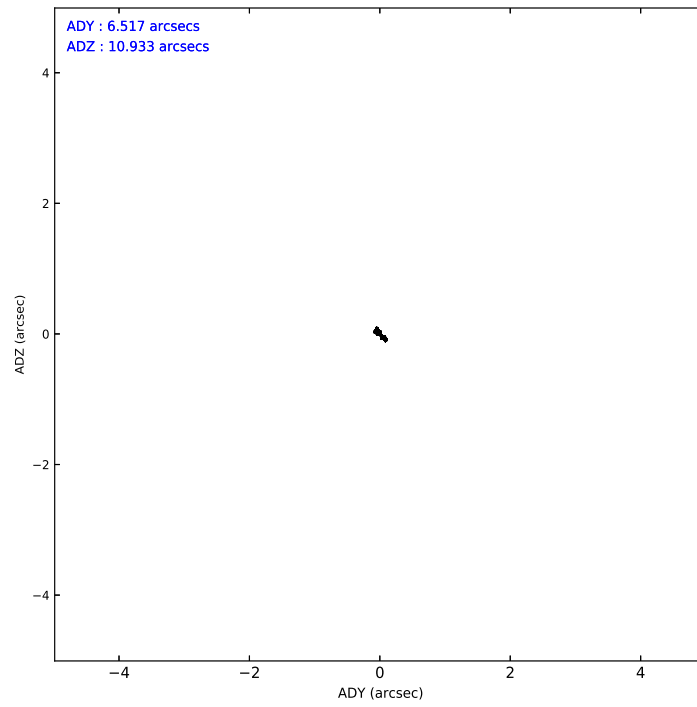
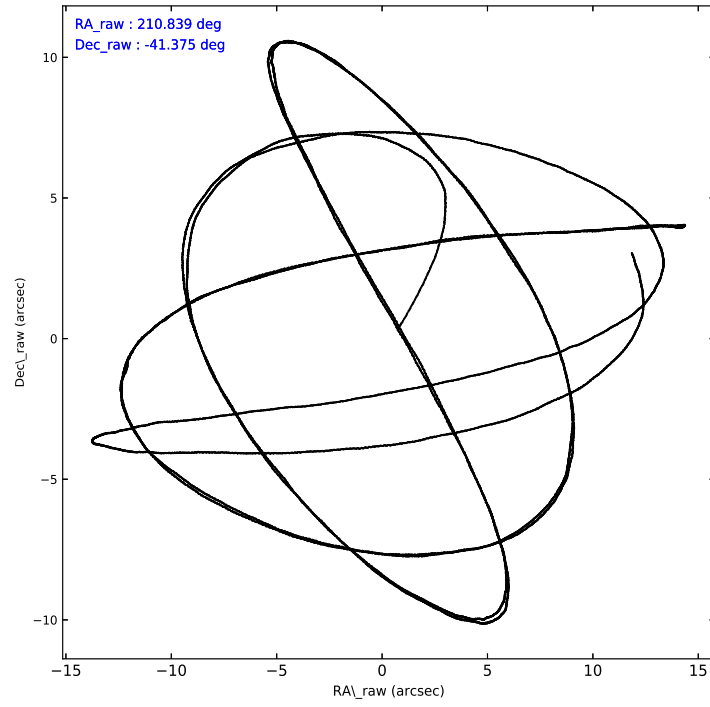
	ccd 7
level 1 events	8976
rejected events	4751
rejected %	52%

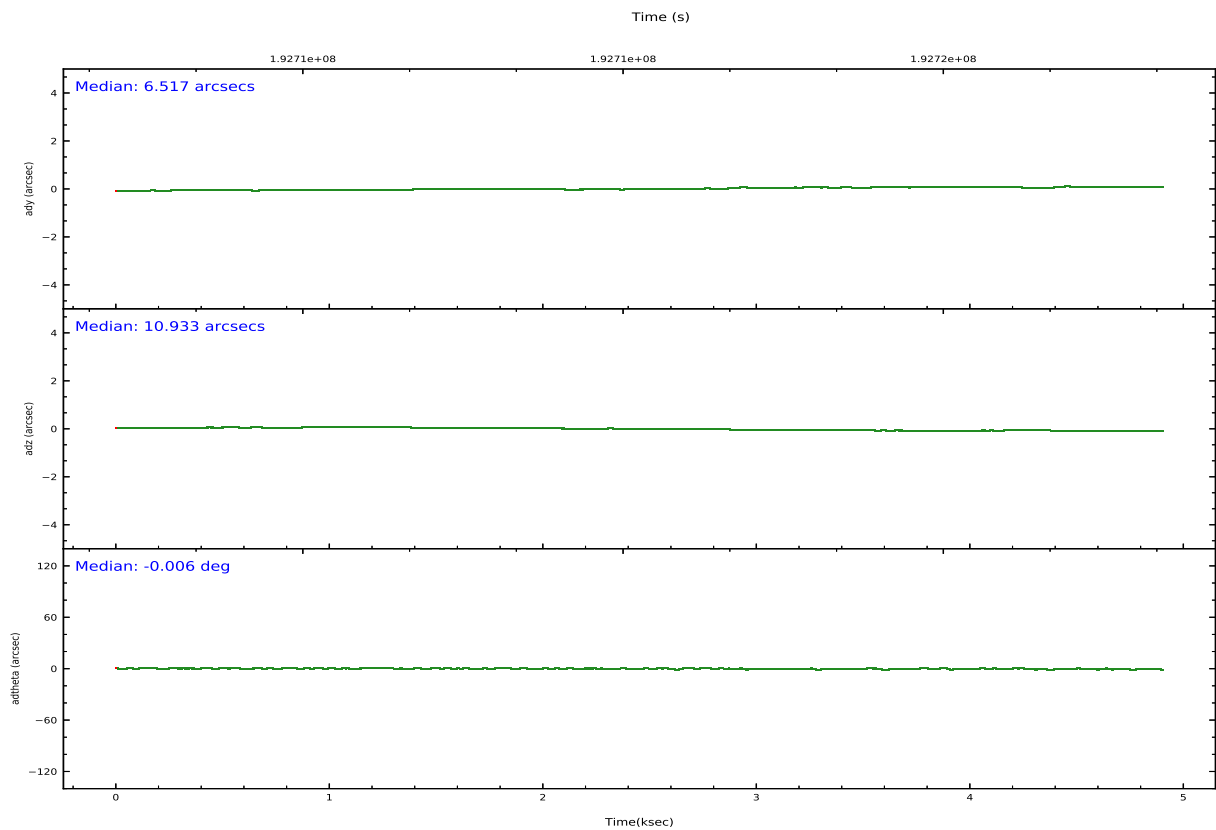
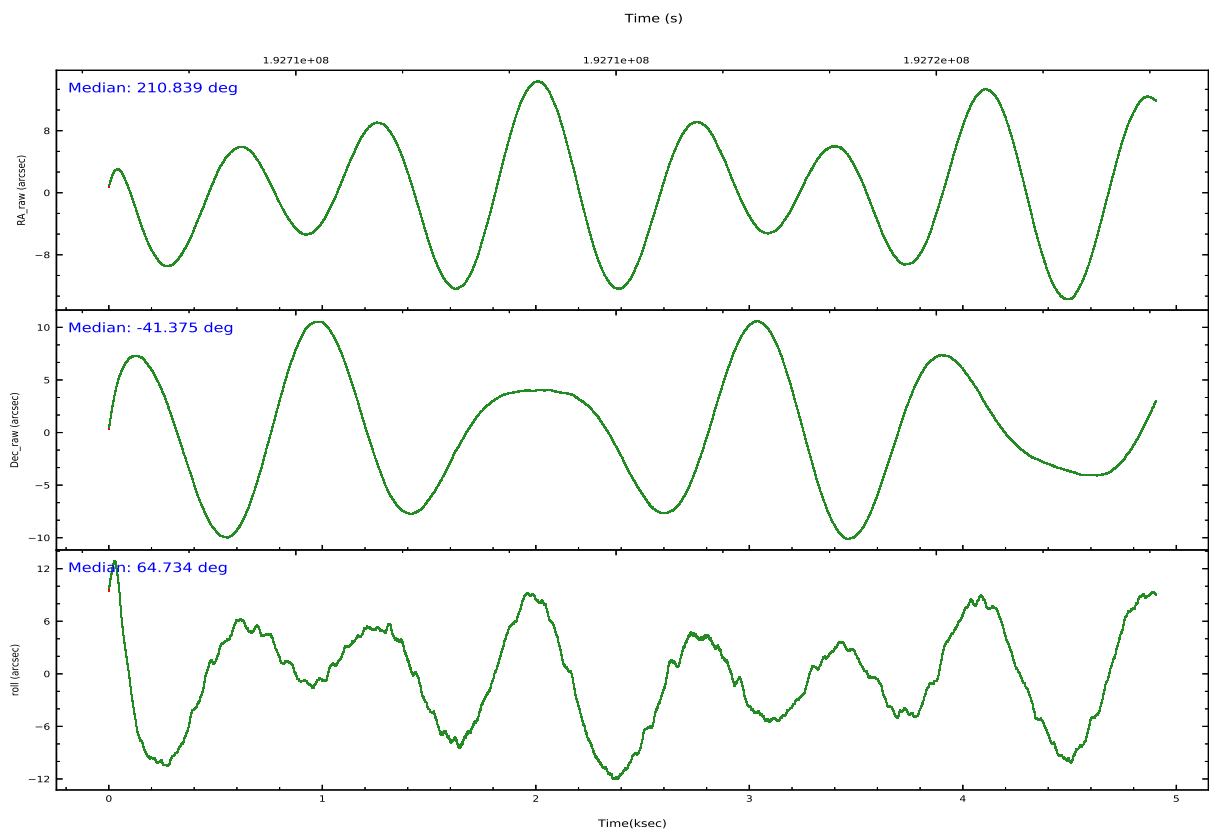
	ccd 7
grade 0 events	926
	10%
grade 1 events	14
	0%
grade 2 events	1048
	11%
grade 3 events	643
	7%
grade 4 events	579
	6%
grade 5 events	747
	8%
grade 6 events	1741
	19%
grade 7 events	3278
	36%

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	210.842620	210.84172551658	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-41.402189	-41.378188201554	Subarray start row	449	449
[deg] Pointing Roll	64.585882	64.733483797337	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	192711302.184000	192709787.84658			
Observation start date	2004-02-09T10:53:58	2004-02-09T10:29:47			
[s] Observation end time (MET)	192716030.184000	192716810.63438			
Observation end date	2004-02-09T12:12:46	2004-02-09T12:26:50			
Read mode	TIMED	TIMED			

2.3 Aspect



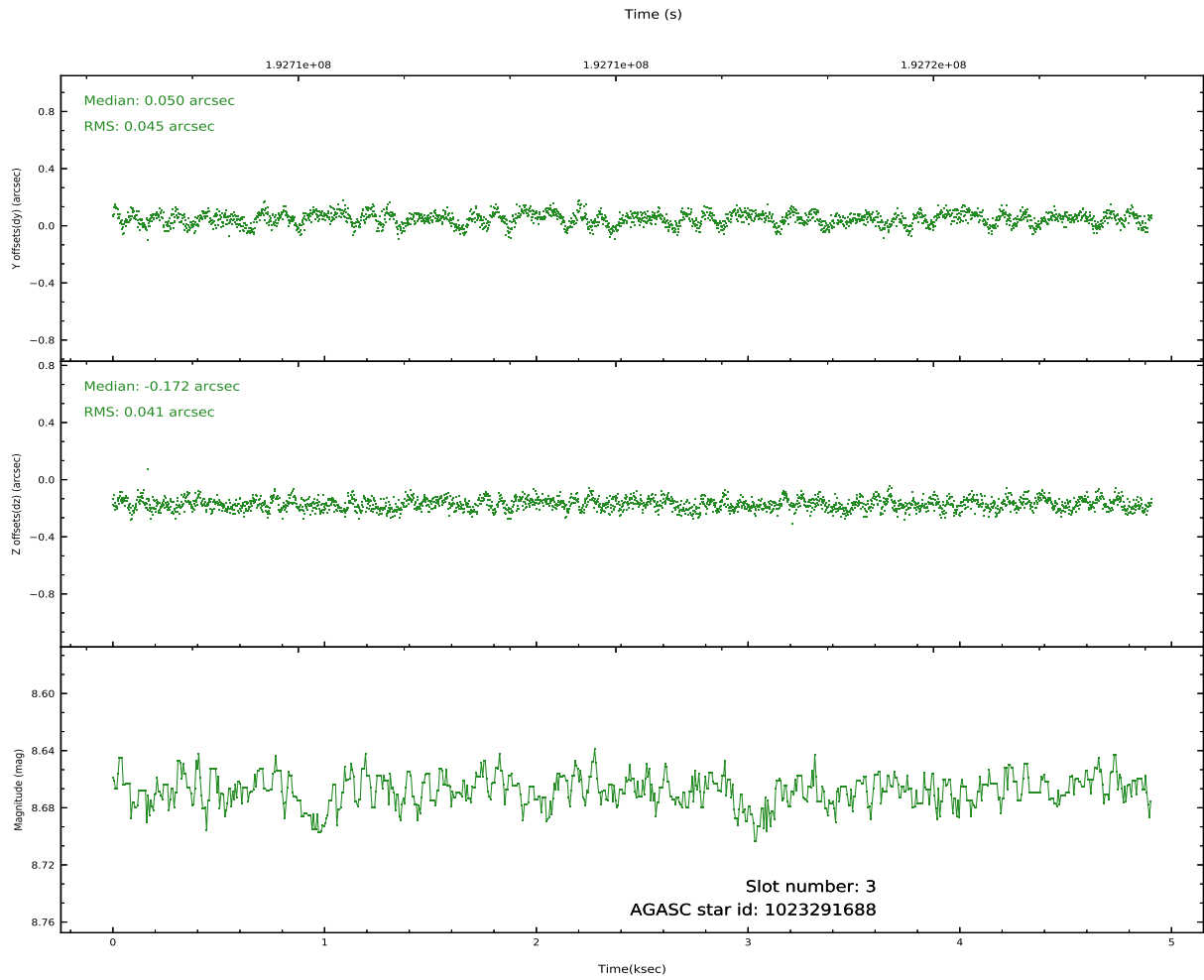
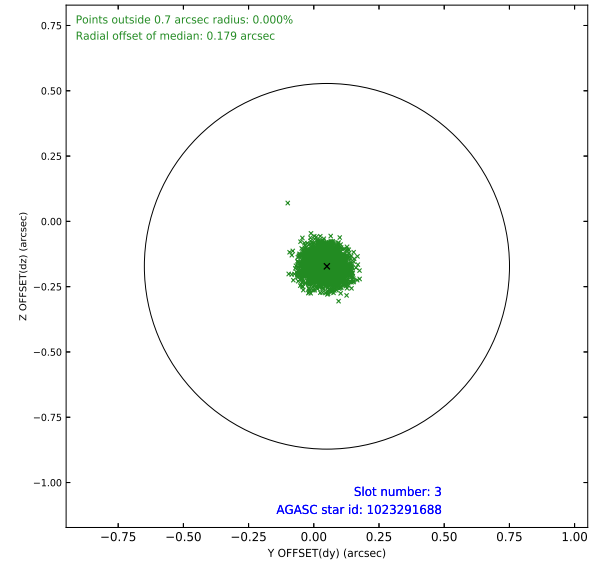
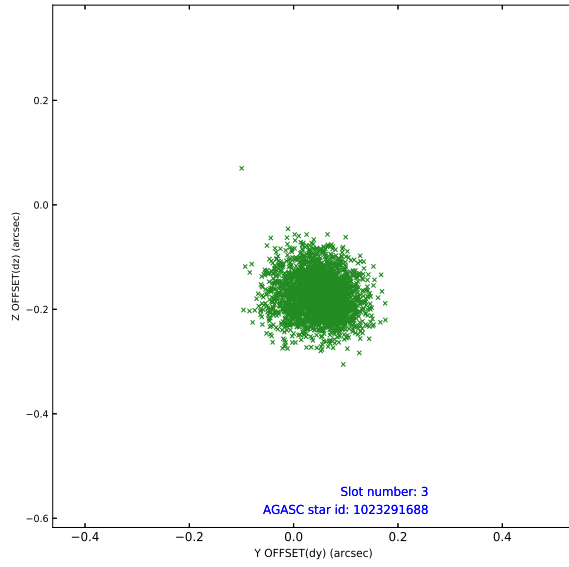


Slot Statistics

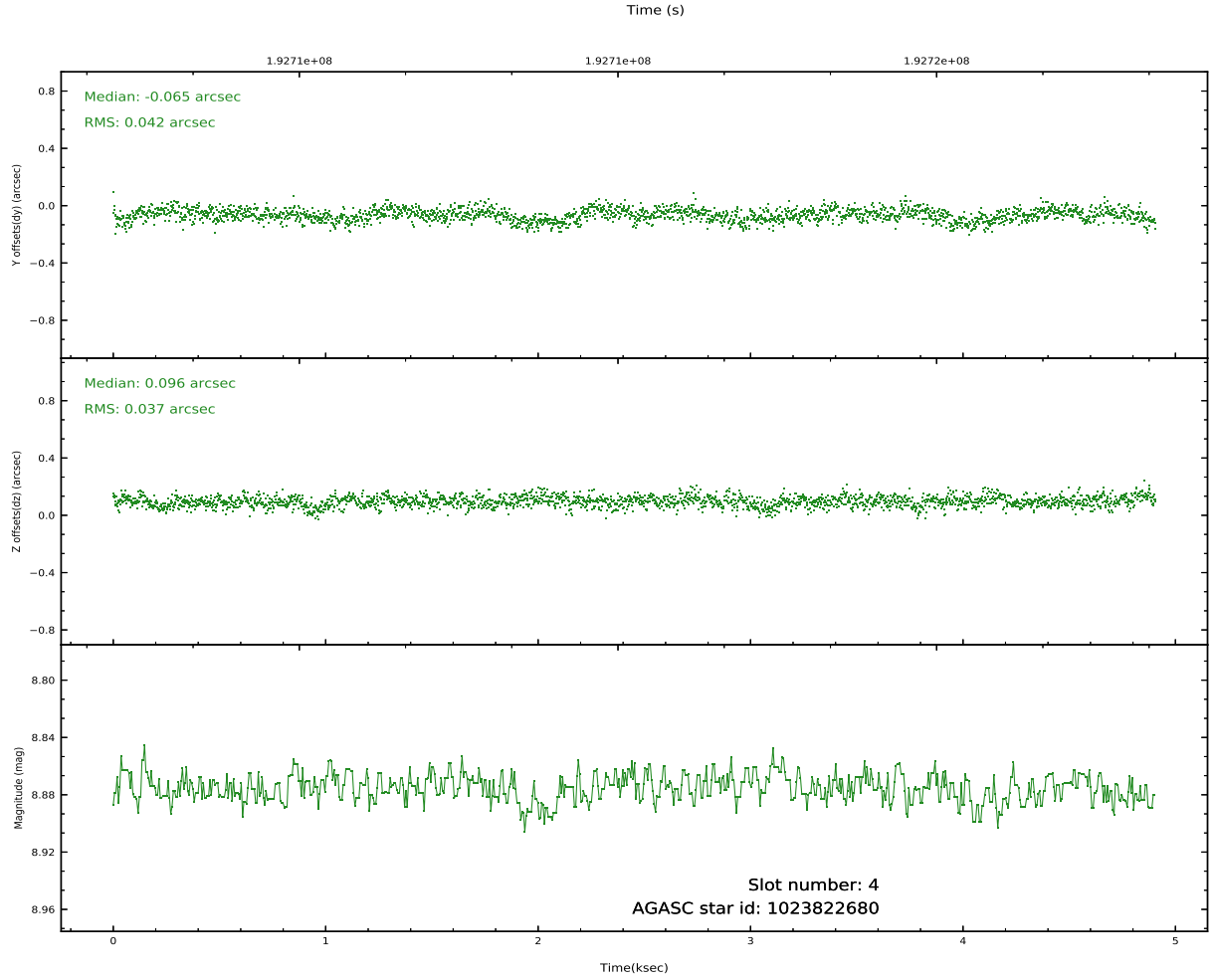
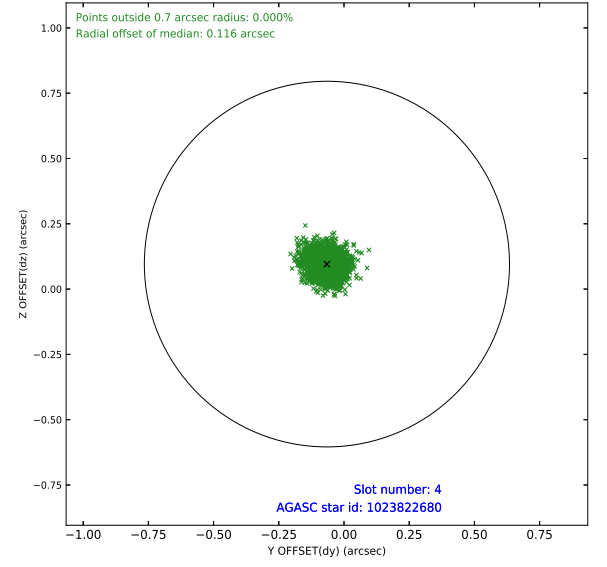
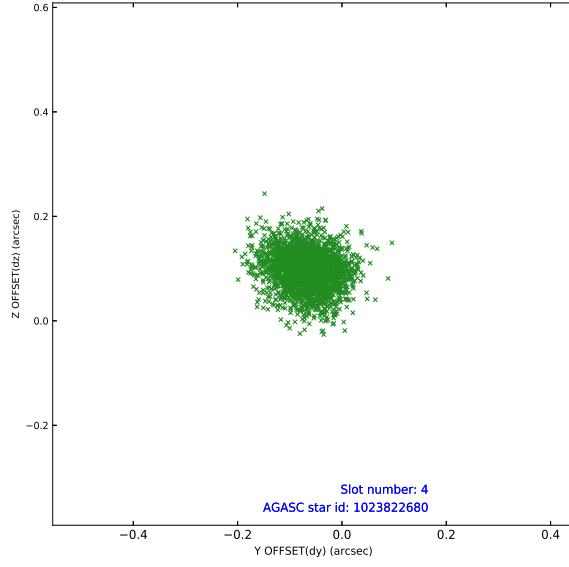
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.09	1197	1.000	-0.078	-0.041	0.006	0.010	0.000000	0.000000	-759.29	-1732
1	FID		ACIS-S-4	7.20	1197	1.000	0.123	0.049	0.006	0.013	0.000000	0.000000	2153.57	175
2	FID		ACIS-S-5	7.23	1197	1.000	-0.076	0.001	0.006	0.011	0.000000	0.000000	-1810.59	170
3	GUIDE	used	1023291688	8.67	2394	1.000	0.050	-0.172	0.065	0.103	210.168569	-41.185177	-84.46	1981
4	GUIDE	used	1023822680	8.88	2394	1.000	-0.065	0.096	0.059	0.098	211.176618	-41.286245	763.52	-636
5	GUIDE	used	1023824840	9.44	2392	1.000	0.050	-0.000	0.101	0.157	210.682919	-41.618703	-888.07	52
6	GUIDE	used	1023829016	6.60	2393	1.000	-0.014	0.192	0.076	0.125	210.864452	-41.423345	-43.52	-85
7	GUIDE	used	1023292600	9.40	2391	1.000	-0.020	-0.118	0.105	0.162	210.176441	-41.207792	-148.44	1926

2.4 Star Slots

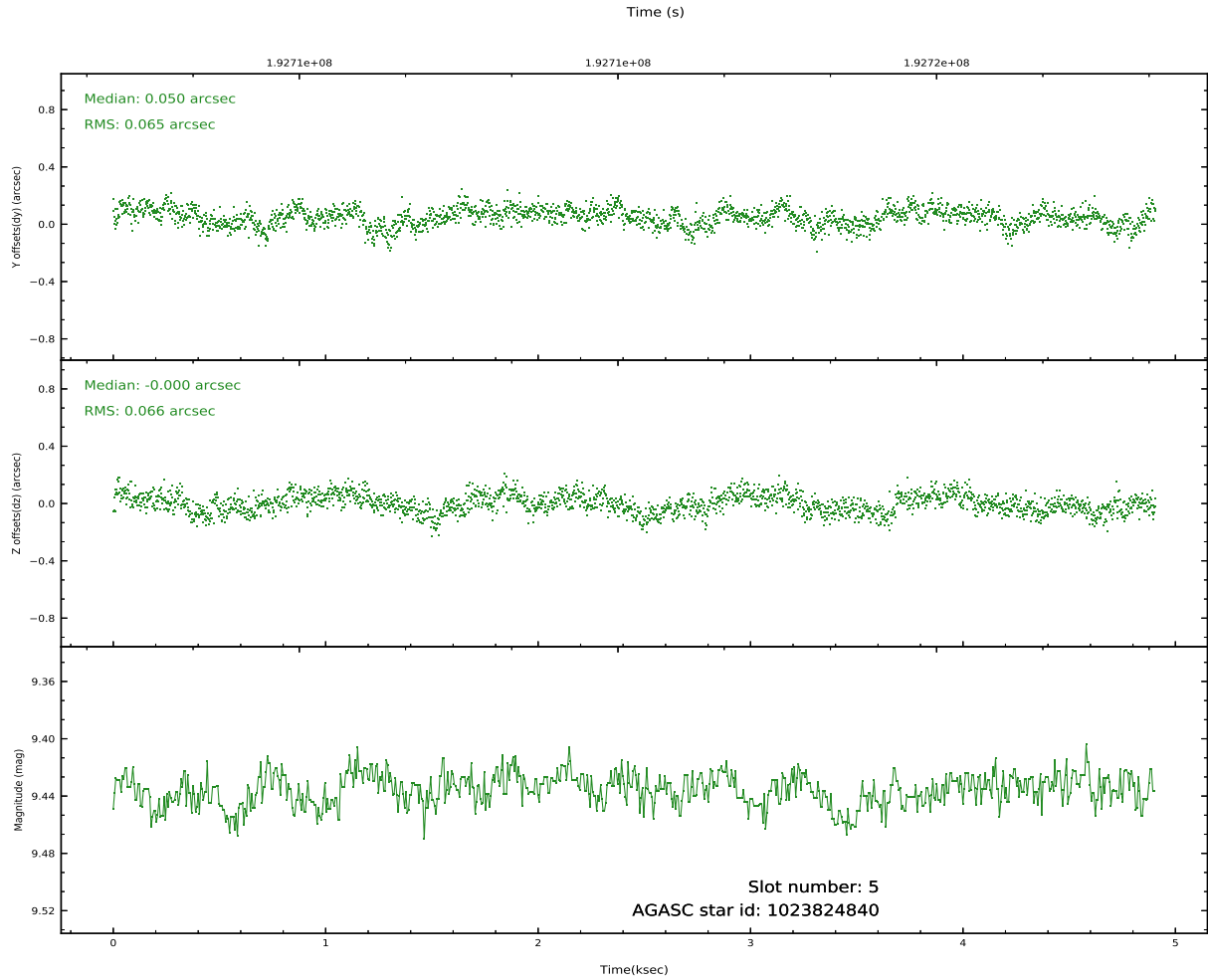
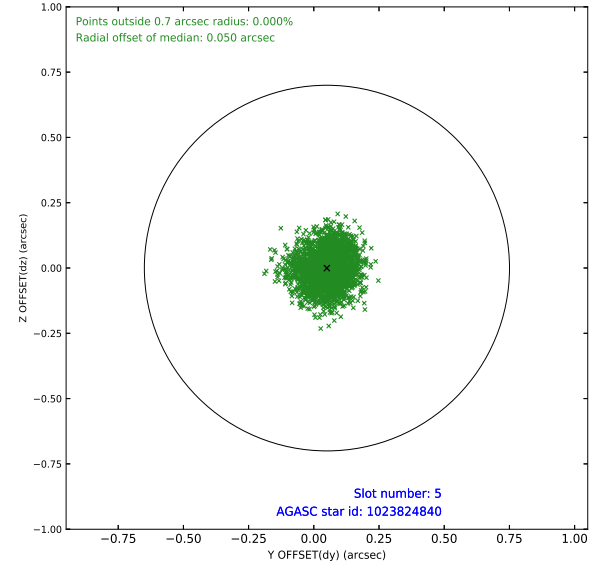
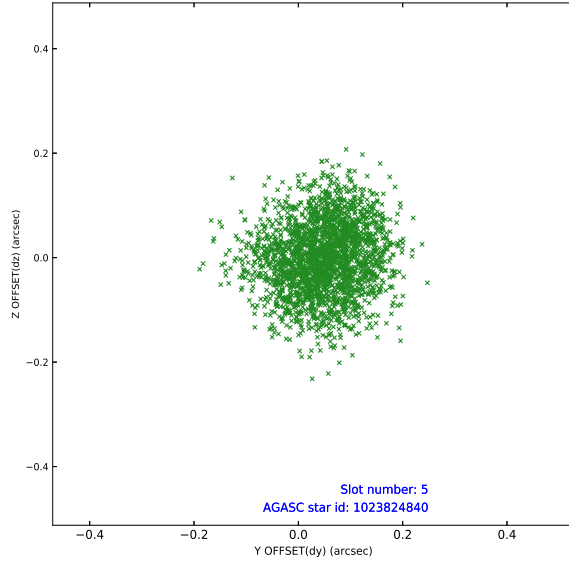
2.4.1 Slot 3



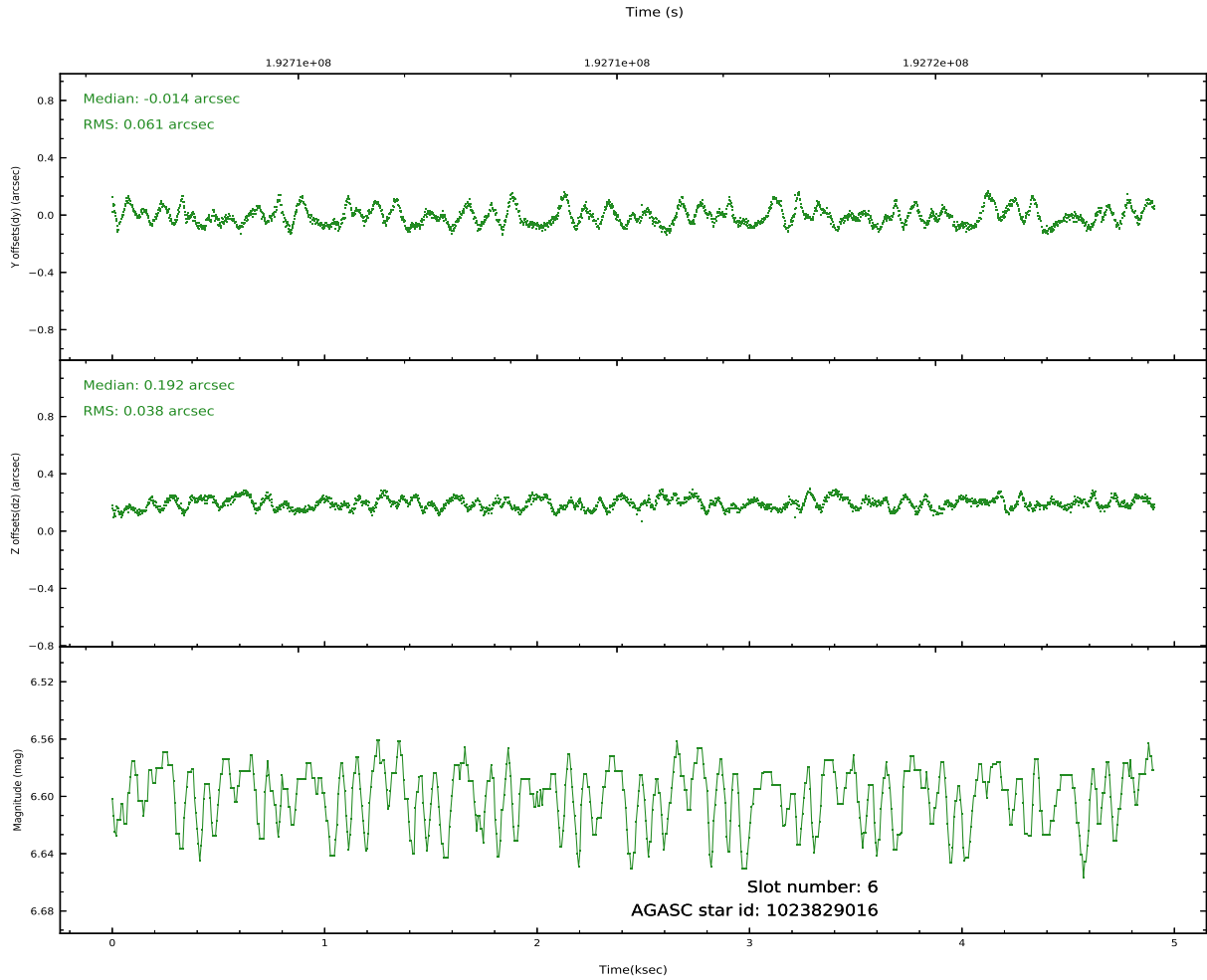
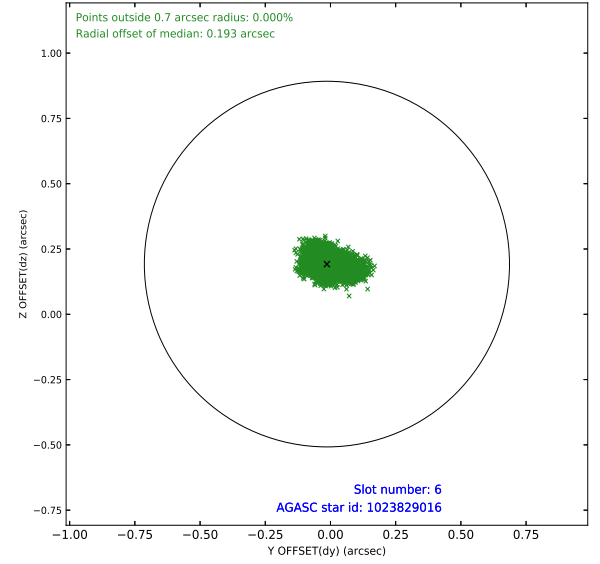
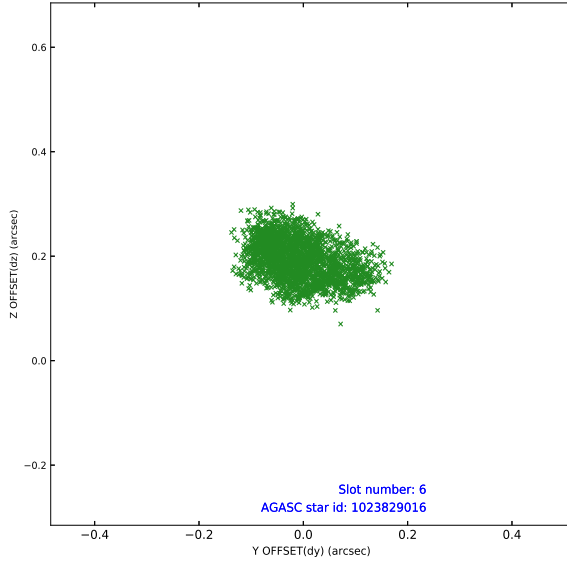
2.4.2 Slot 4



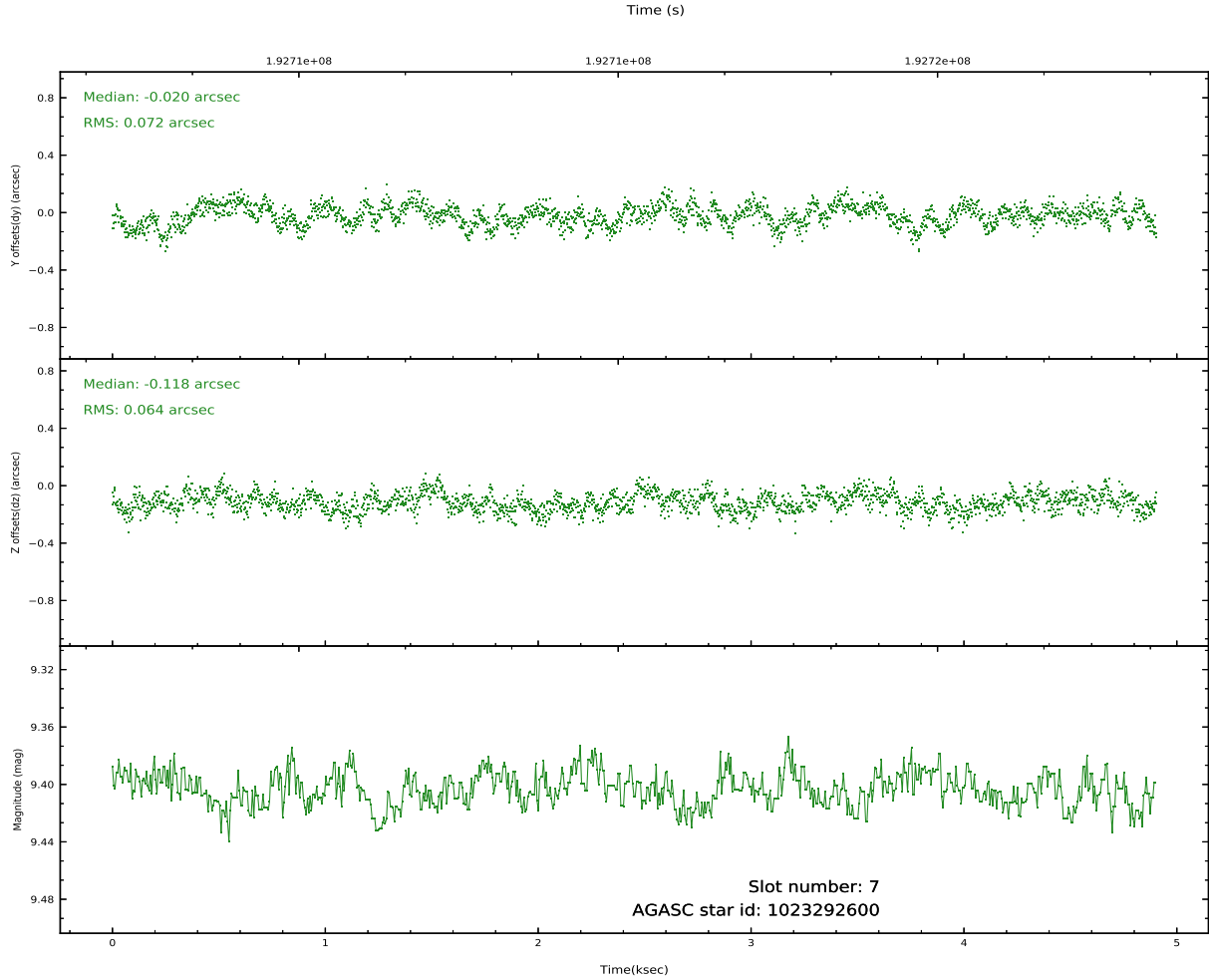
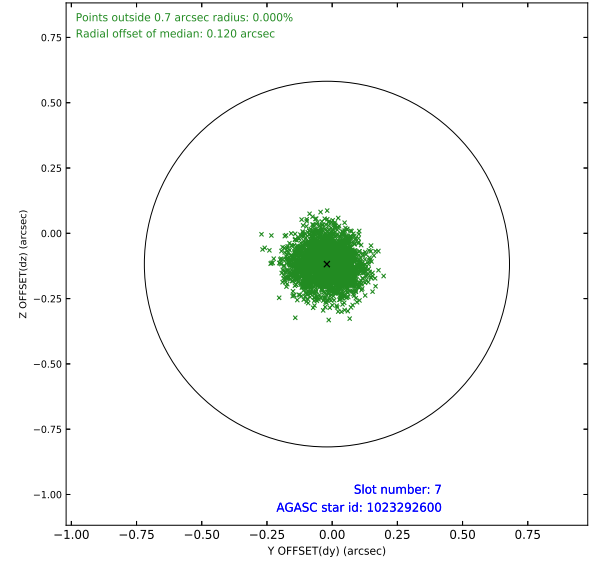
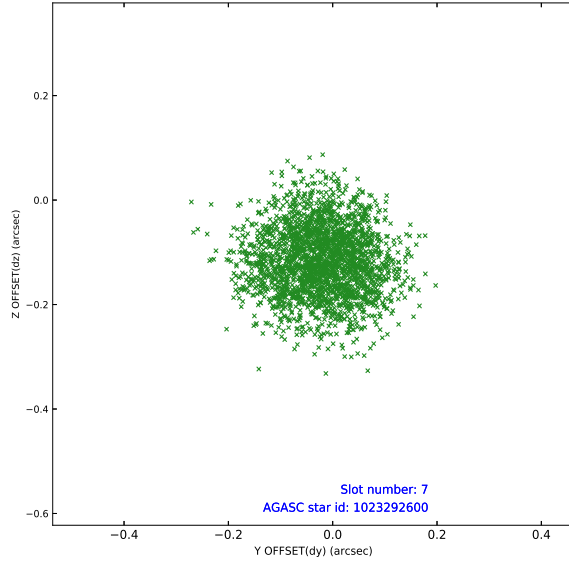
2.4.3 Slot 5



2.4.4 Slot 6

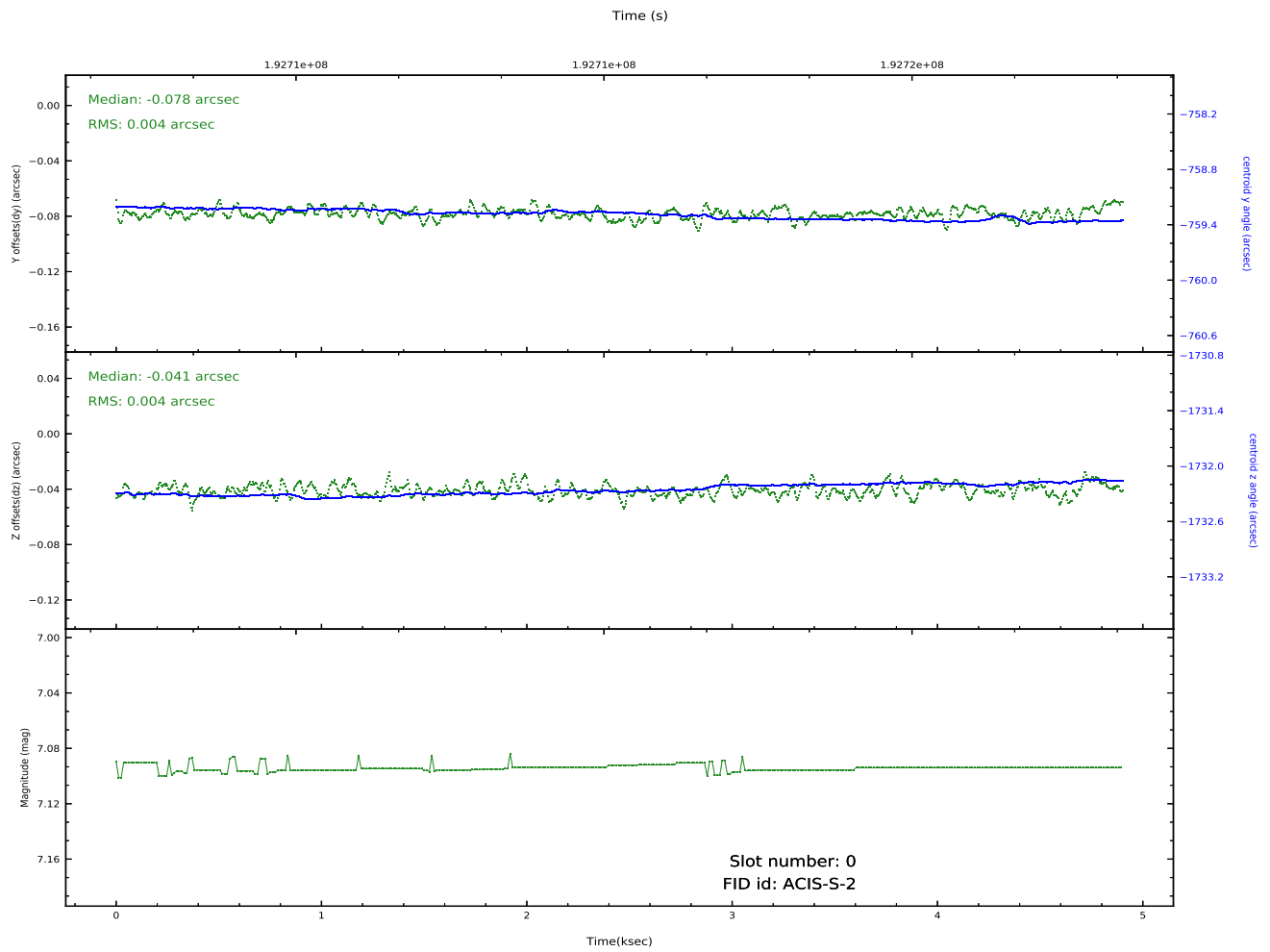
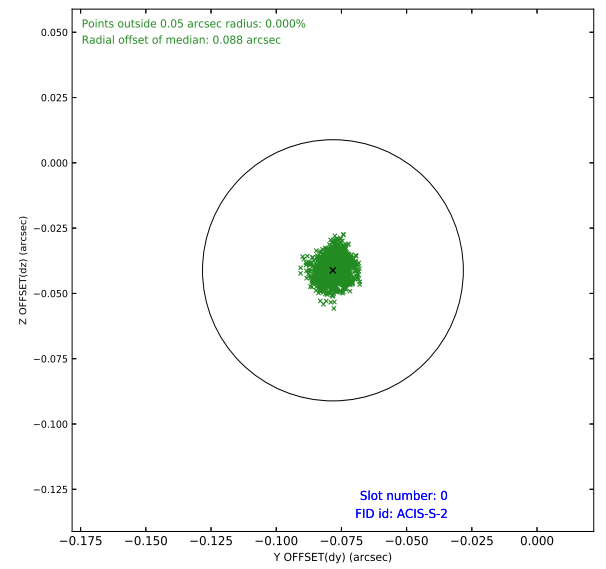
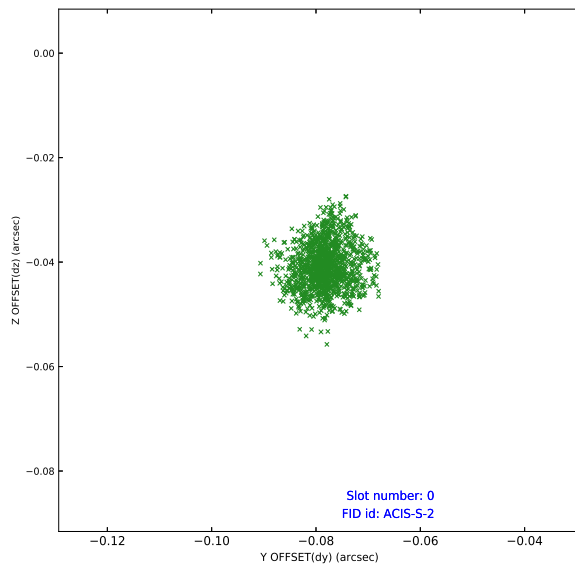


2.4.5 Slot 7

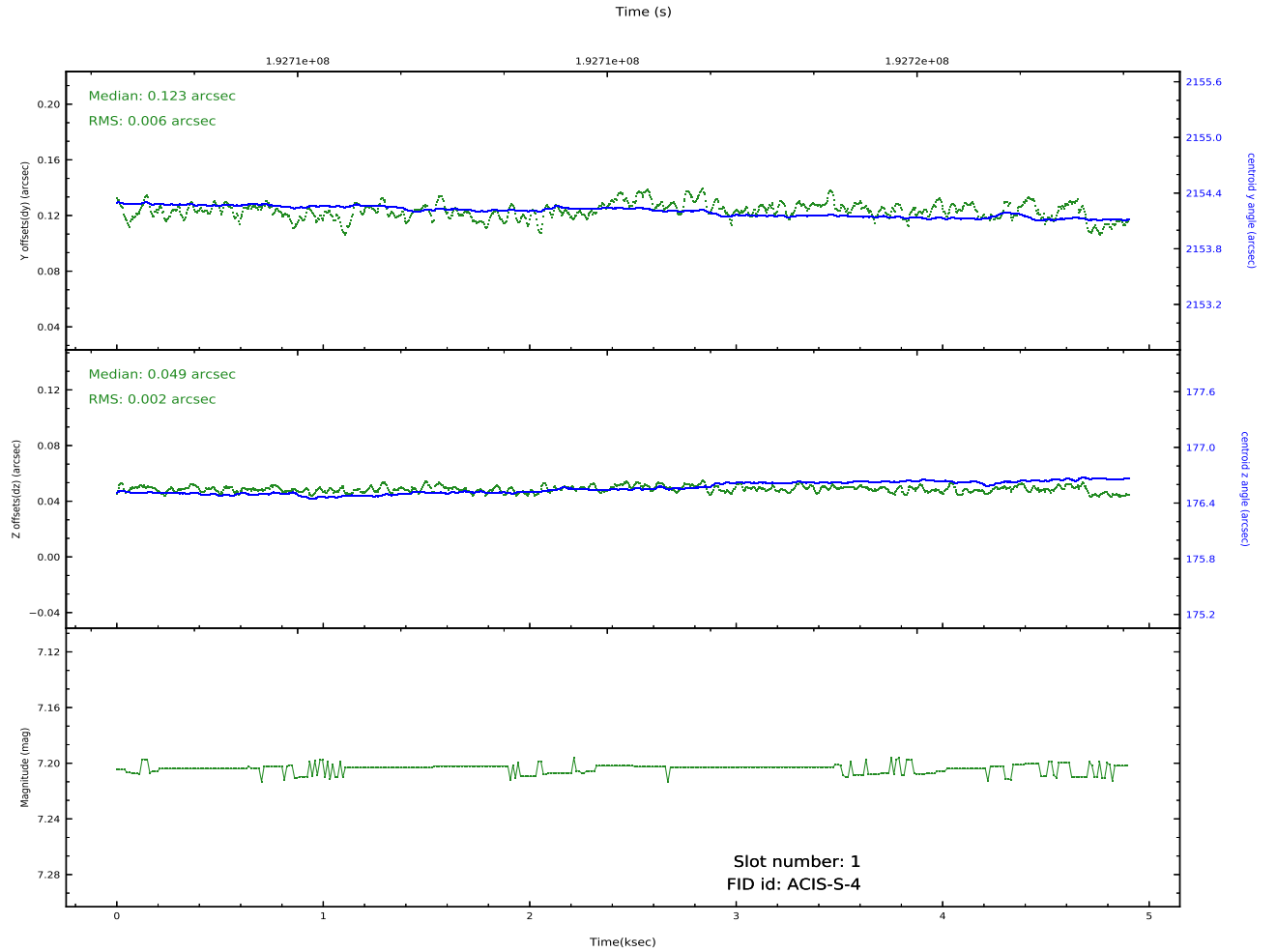
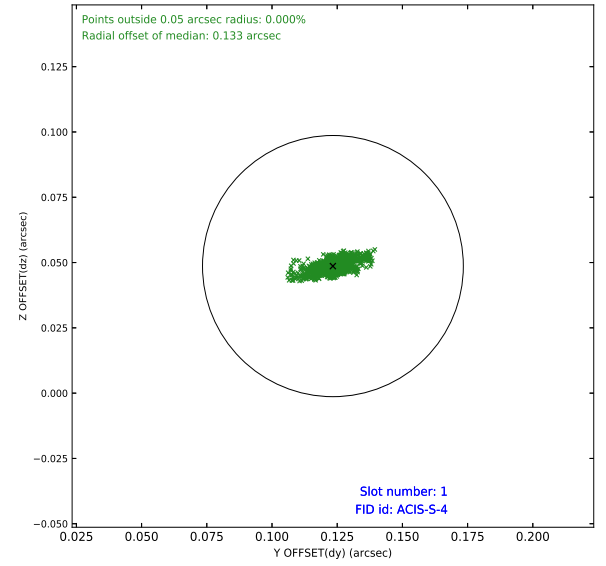
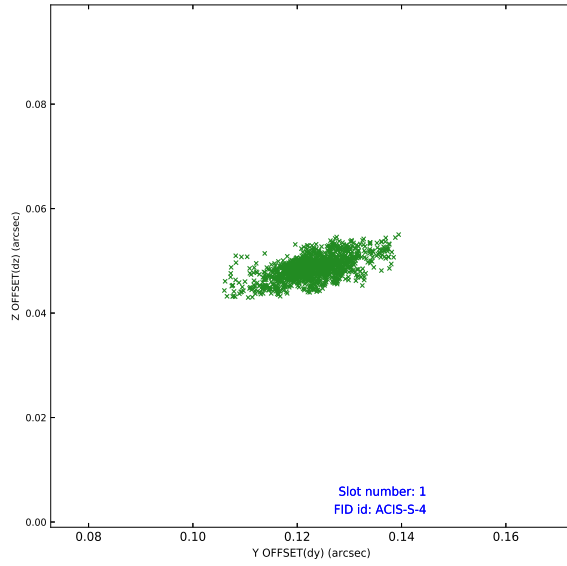


2.5 FID Slots

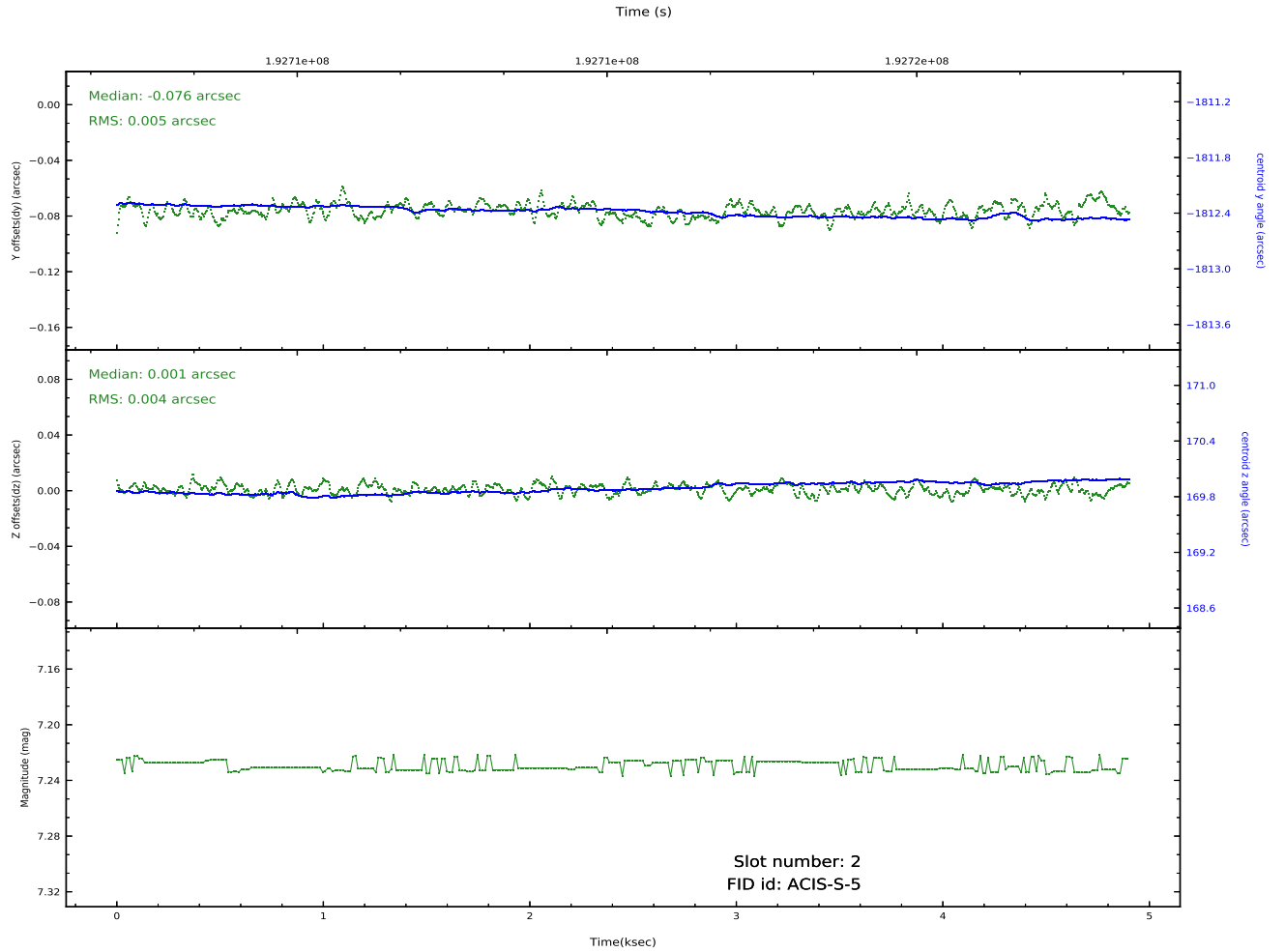
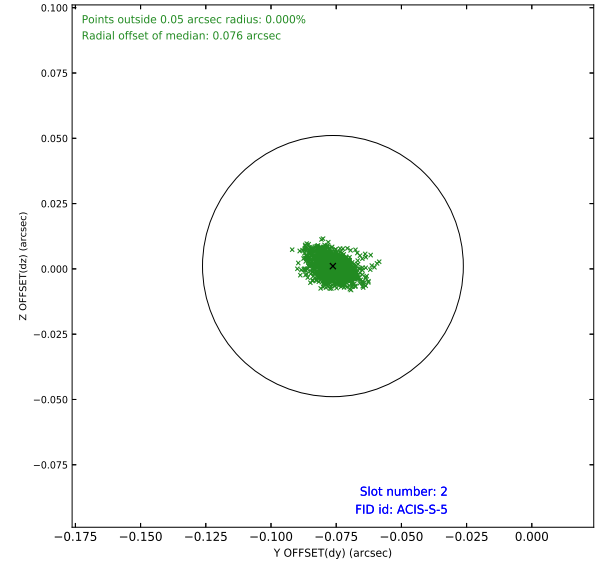
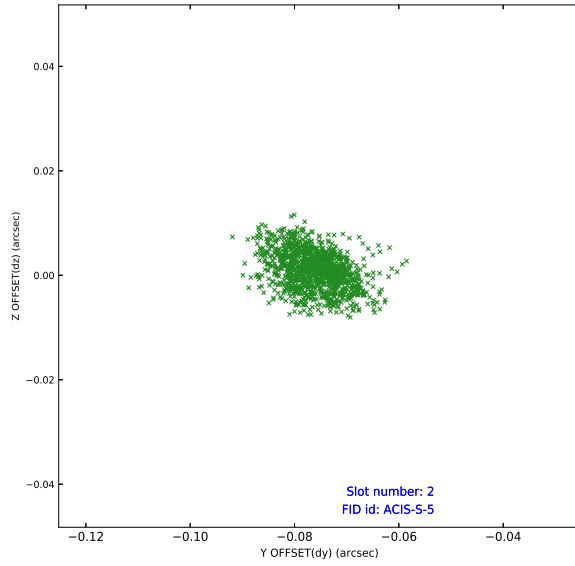
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.904

A.2 Comments

Joint proposal with NRAO.