

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4451 - L2 Version 4
Chandra X-Ray Center

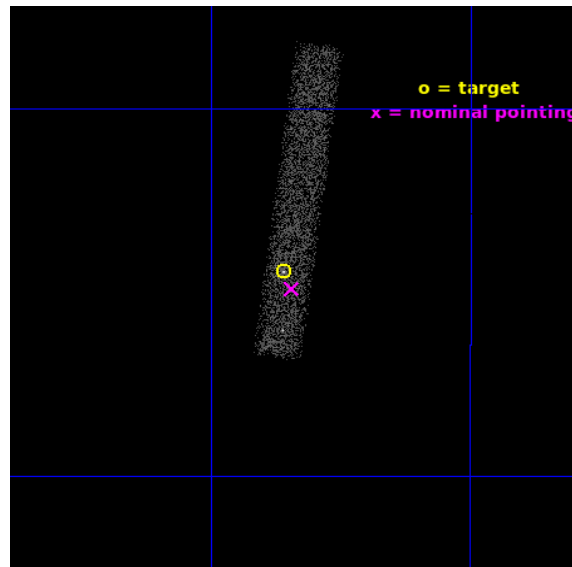
L2 Processing Date : Sep 27 2020

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1 Front

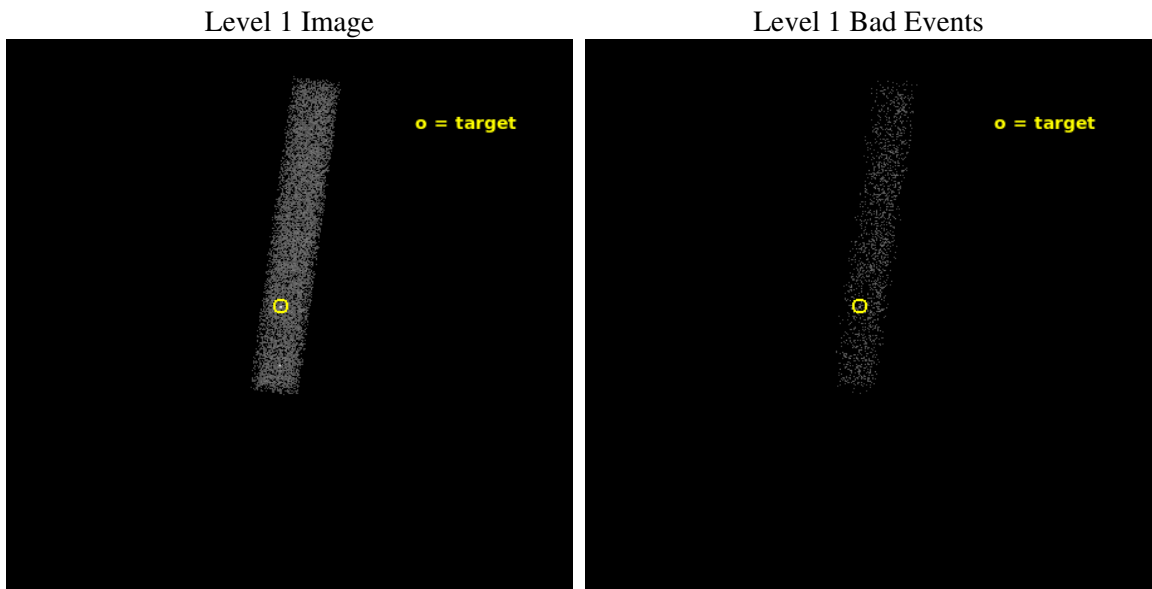
seq_num	400328	Sequence number
obs_id	4451	Observation id
title	Following a black hole candidate soft X-ray transient returning to quiescence	Proposal title
observer	Peter Jonker	Principal investigator
object	V 4641 Sgr	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	274.84	Observer's specified target RA [deg]
dec_targ	-25.407167	Observer's specified target Dec [deg]
ra_nom	274.83593708651	Nominal RA [deg]
dec_nom	-25.414945484232	Nominal Dec [deg]
roll_nom	277.53436405933	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10154.153911263	Sum of GTIs [s]
livetime	9209.2816173252	Livetime [s]
ontime7	10154.153911263	Sum of GTIs [s]
l2events	7407	Number of level 2 events



2 OBI

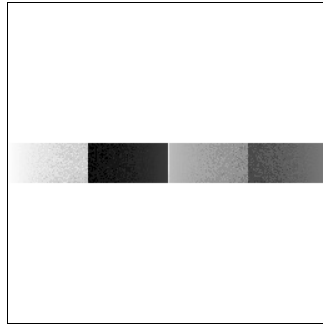
2.1 OBI

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	10.9.1	Processing system revision	ontime	10154.153911263	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	10154.153911263	Sum of GTIs [s]
date	2020-09-27T12:58:39	Date and time of file creation	l1events	16459	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

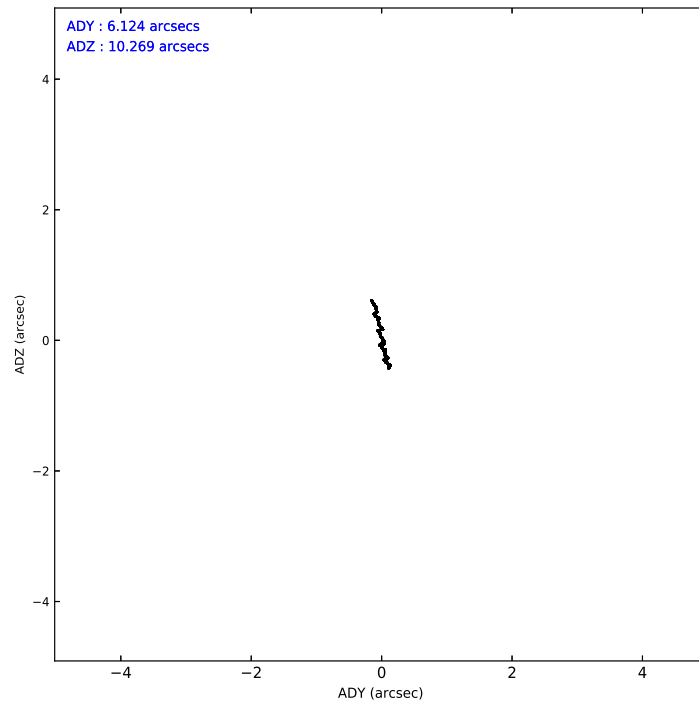
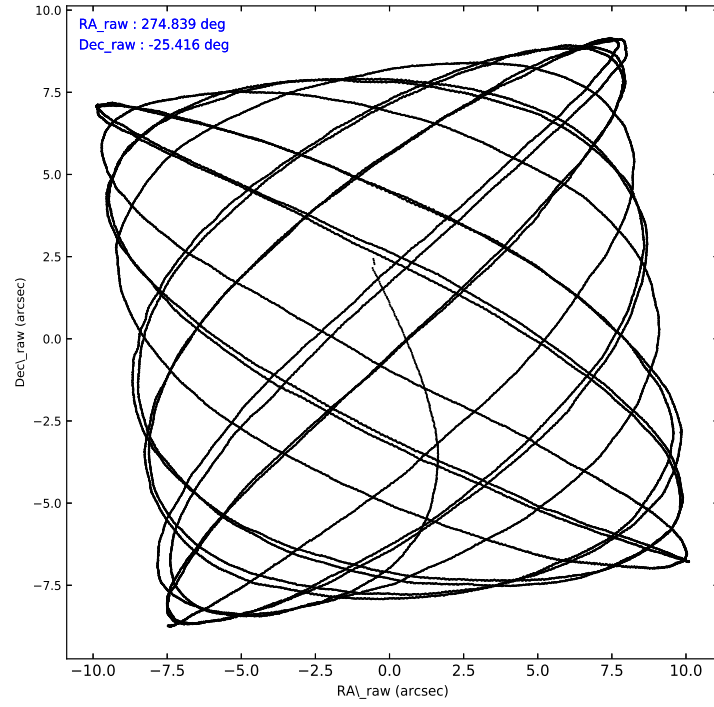
	ccd 7
level 1 events	16459
rejected events	8672
rejected %	52%

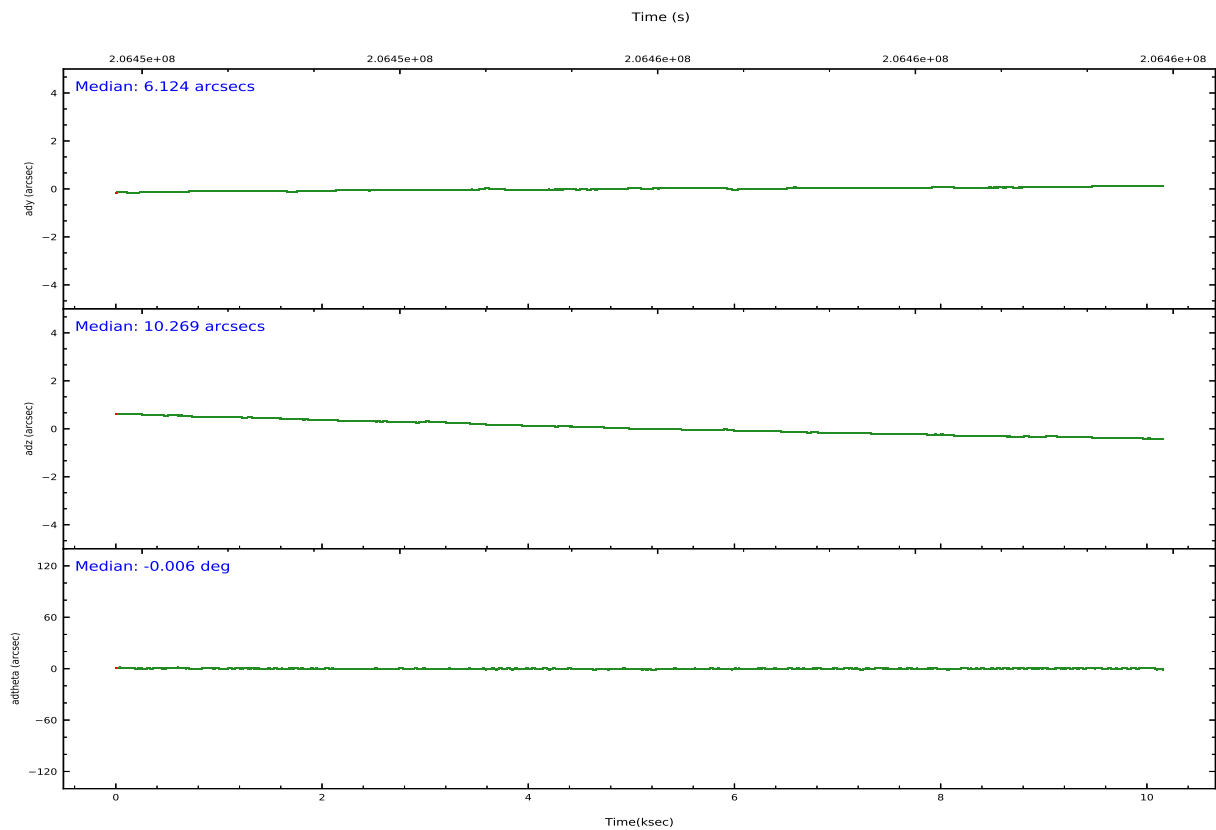
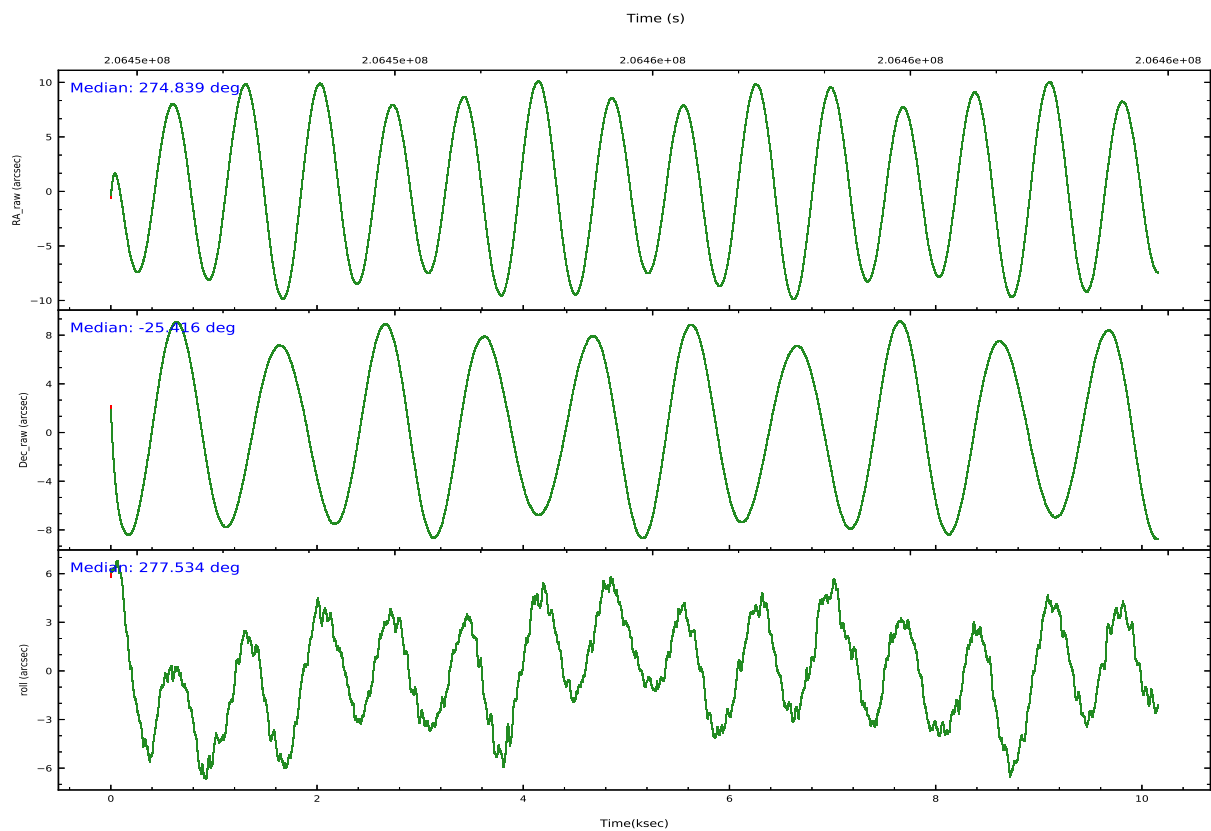
	ccd 7
grade 0 events	1124
	6%
grade 1 events	23
	0%
grade 2 events	1822
	11%
grade 3 events	1076
	6%
grade 4 events	988
	6%
grade 5 events	1431
	8%
grade 6 events	3459
	21%
grade 7 events	6536
	39%

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	274.820759	274.83593708651	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-25.394966	-25.414945484232	Subarray start row	449	449
[deg] Pointing Roll	277.373491	277.53436405933	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	206449902.184000	206448698.31451			
Observation start date	2004-07-17T11:10:38	2004-07-17T10:51:38			
[s] Observation end time (MET)	206459902.184000	206460532.96503			
Observation end date	2004-07-17T13:57:18	2004-07-17T14:08:52			
Read mode	TIMED	TIMED			

2.3 Aspect



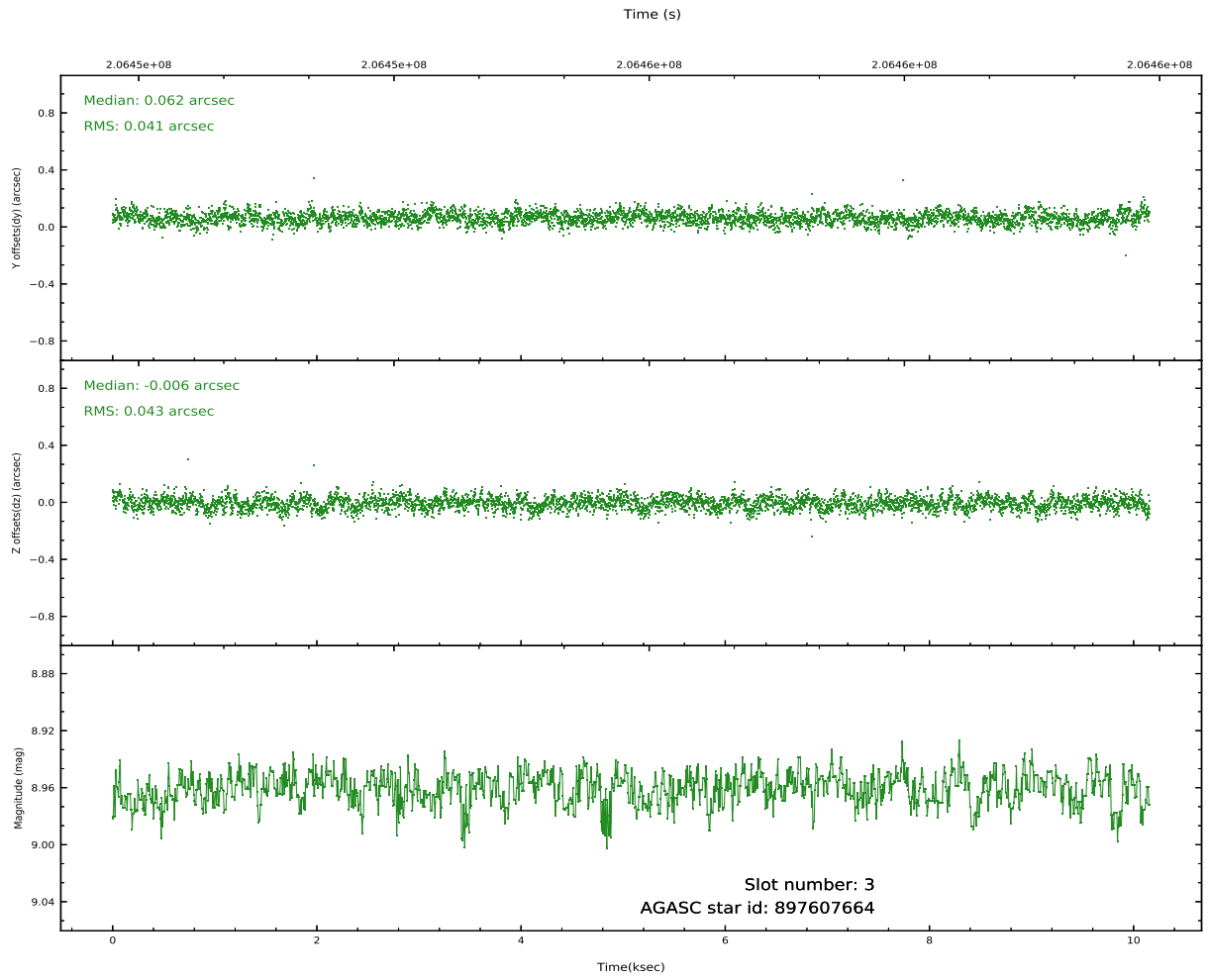
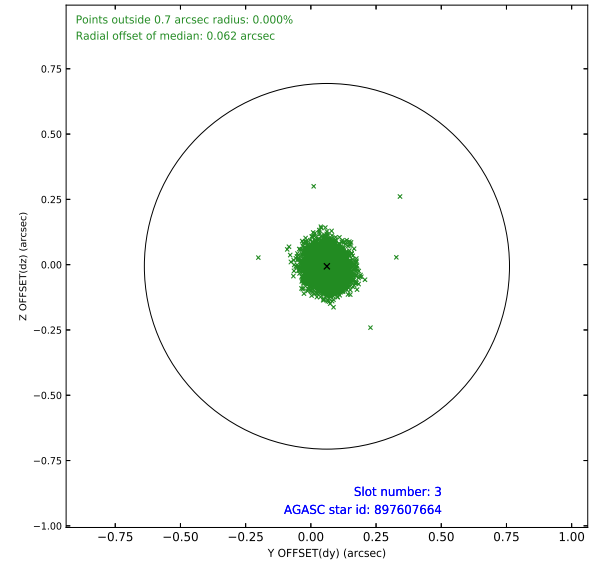
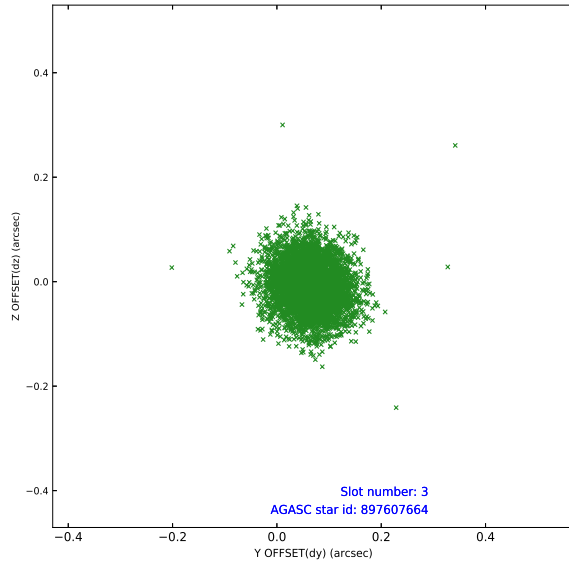


Slot Statistics

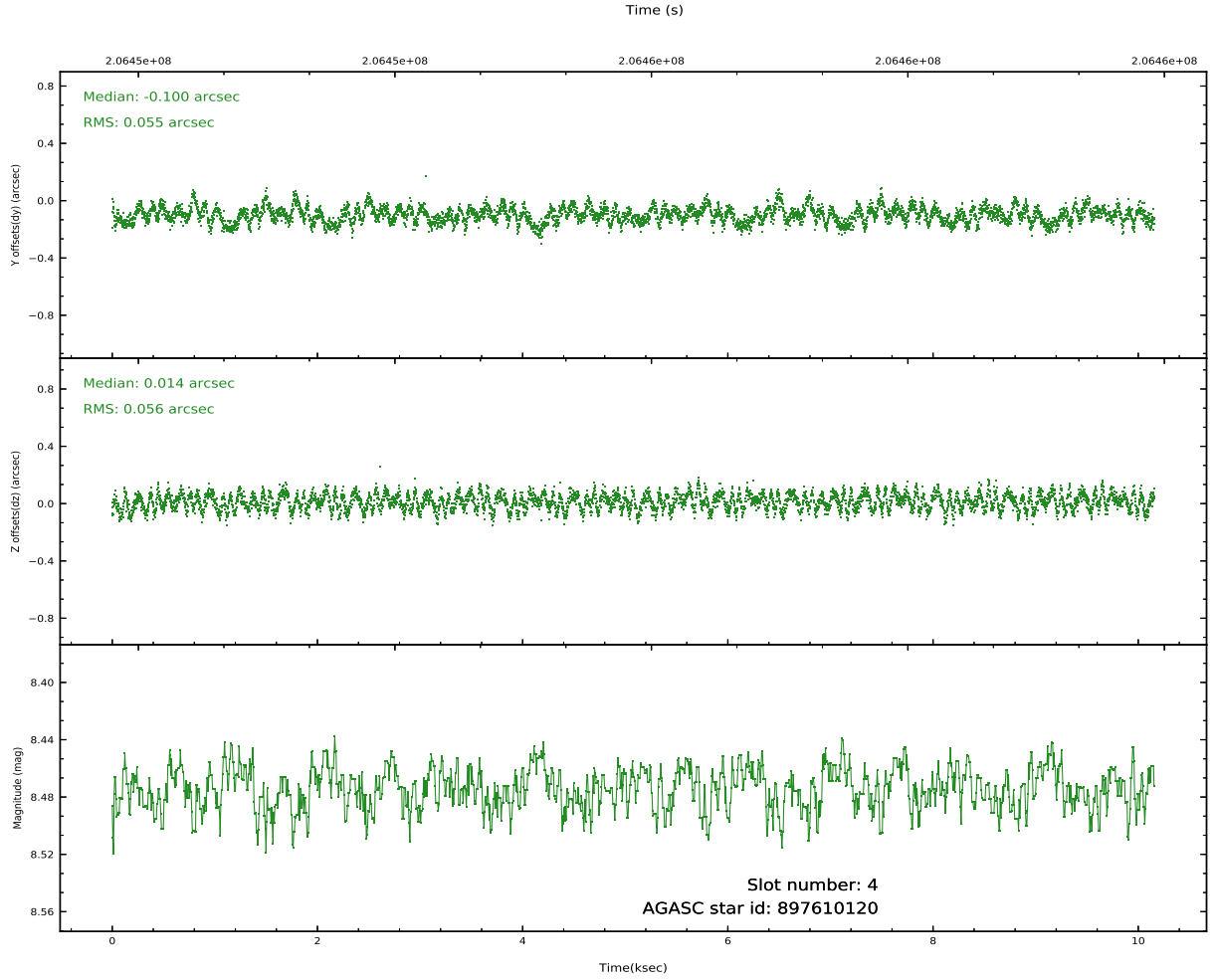
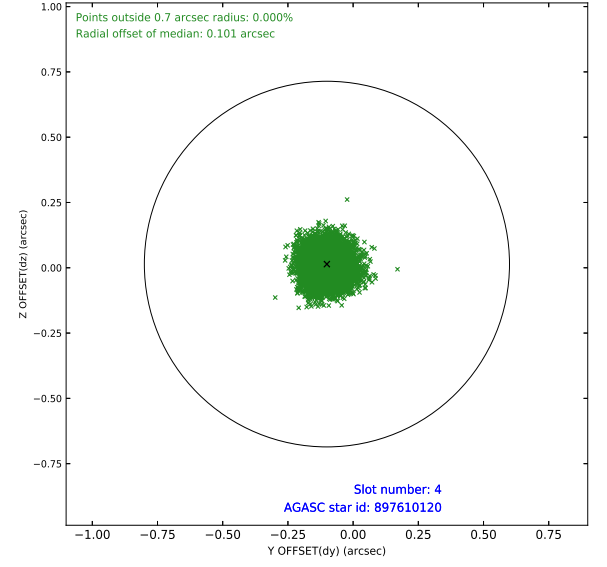
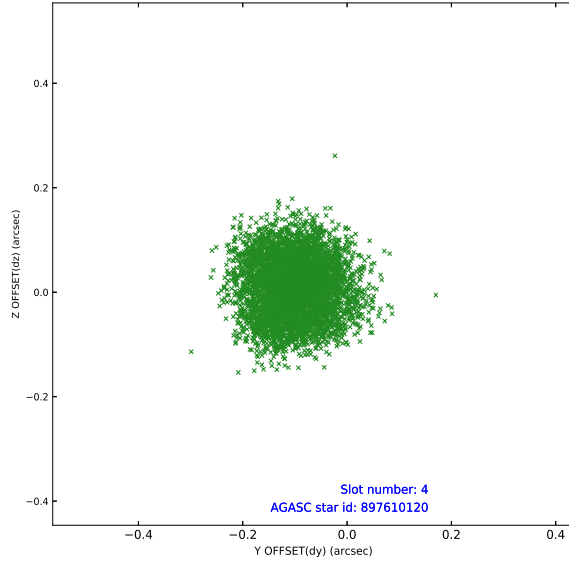
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2475	1.000	-0.093	-0.061	0.009	0.016	0.000000	0.000000	-758.88	-1731
1	FID		ACIS-S-4	7.21	2475	1.000	0.146	0.061	0.006	0.011	0.000000	0.000000	2154.34	176
2	FID		ACIS-S-5	7.23	2475	1.000	-0.085	0.008	0.008	0.015	0.000000	0.000000	-1811.11	170
3	GUIDE	used	897607664	8.96	4949	1.000	0.062	-0.006	0.063	0.104	274.763984	-25.327976	-262.15	-152
4	GUIDE	used	897610120	8.47	4949	1.000	-0.100	0.014	0.086	0.130	275.375820	-25.427247	350.35	1774
5	GUIDE	used	897614272	8.74	4951	1.000	-0.028	0.090	0.073	0.119	275.179042	-25.471578	424.62	1119
6	GUIDE	used	897607632	9.04	4951	1.000	0.110	-0.038	0.097	0.150	275.528210	-25.239953	-251.68	2355
7	GUIDE	used	897601280	9.68	4948	1.000	-0.042	-0.058	0.107	0.181	274.221964	-25.156854	-1095.79	-1825

2.4 Star Slots

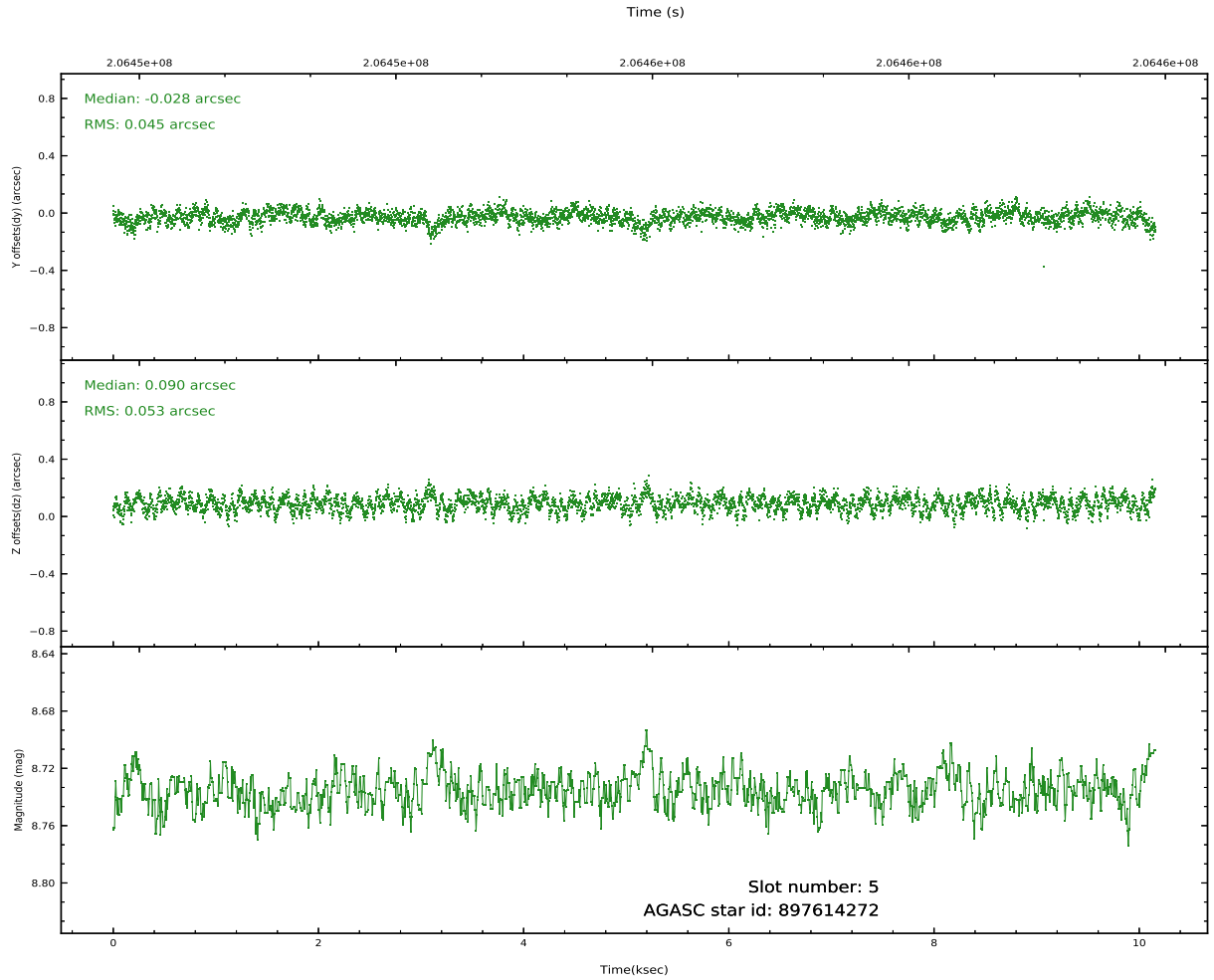
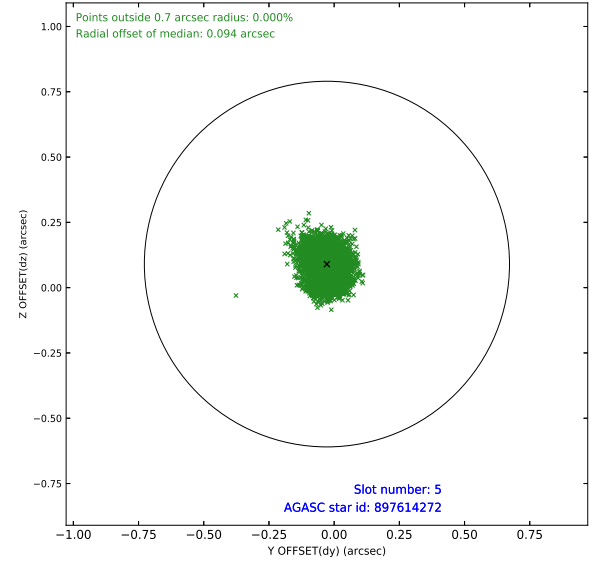
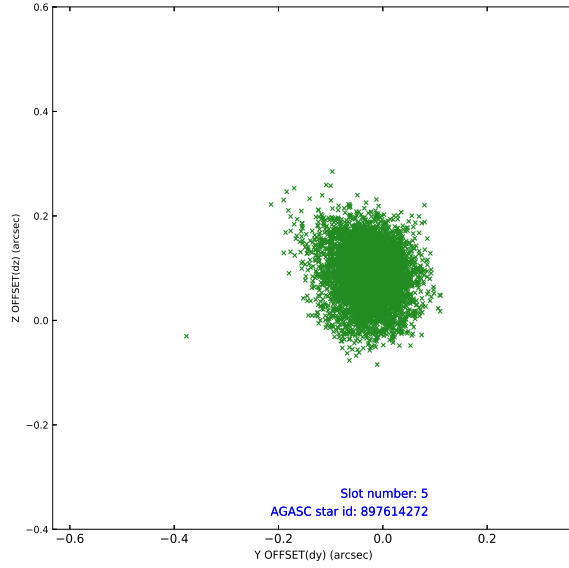
2.4.1 Slot 3



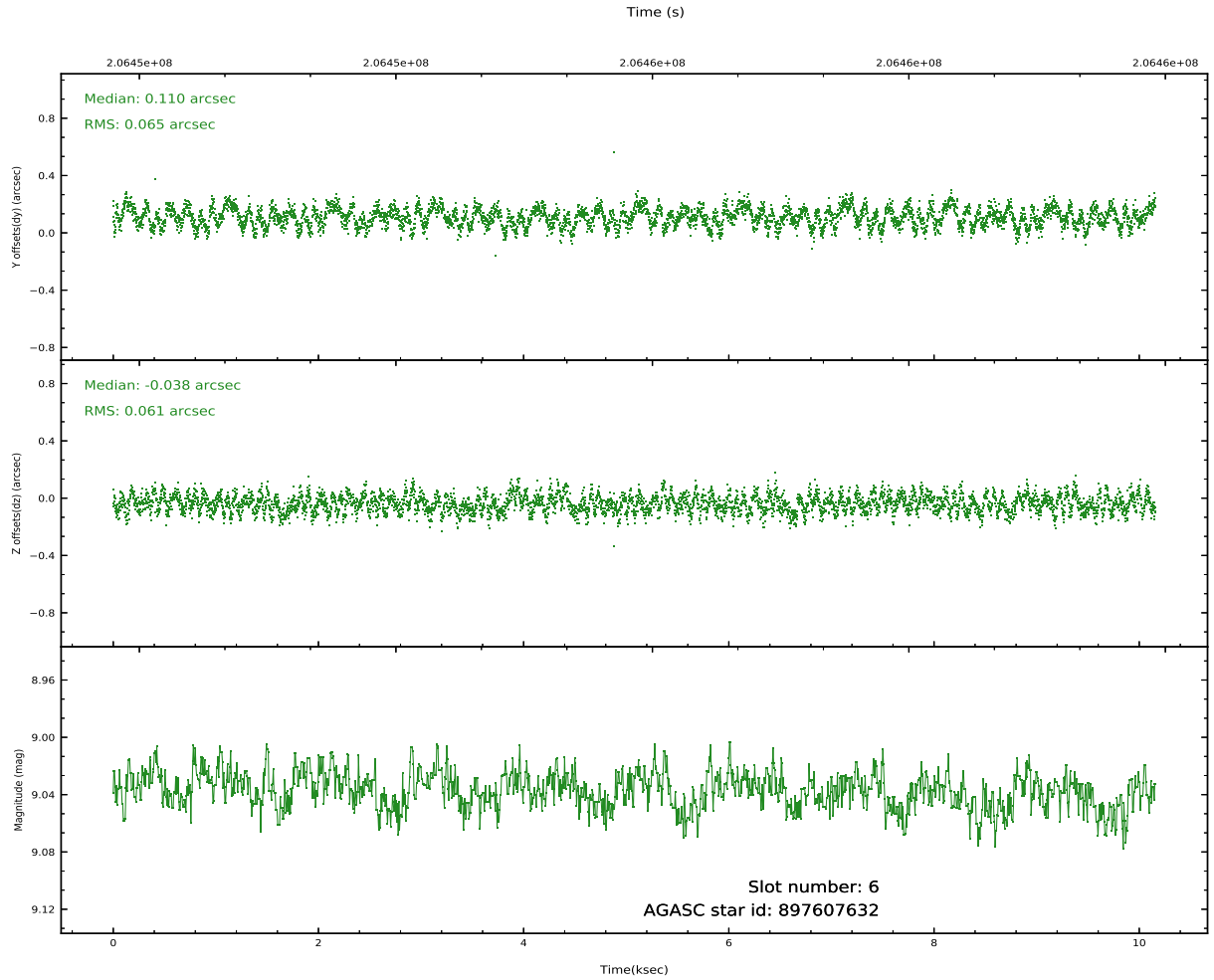
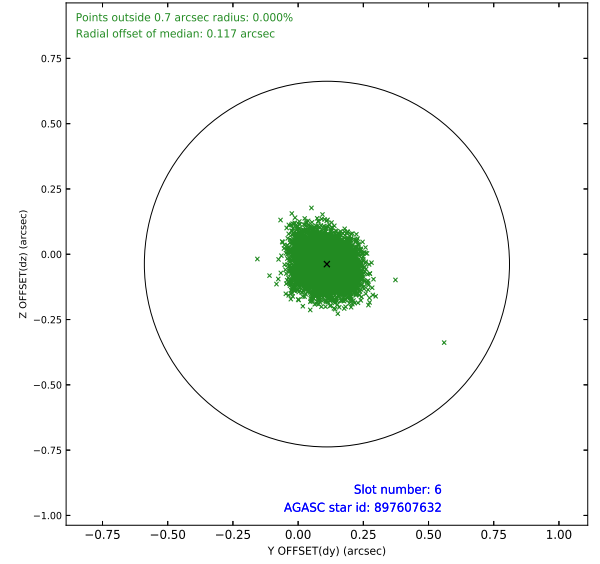
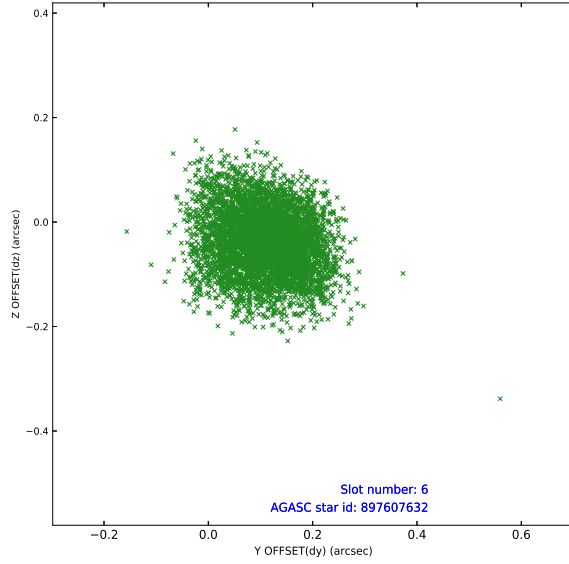
2.4.2 Slot 4



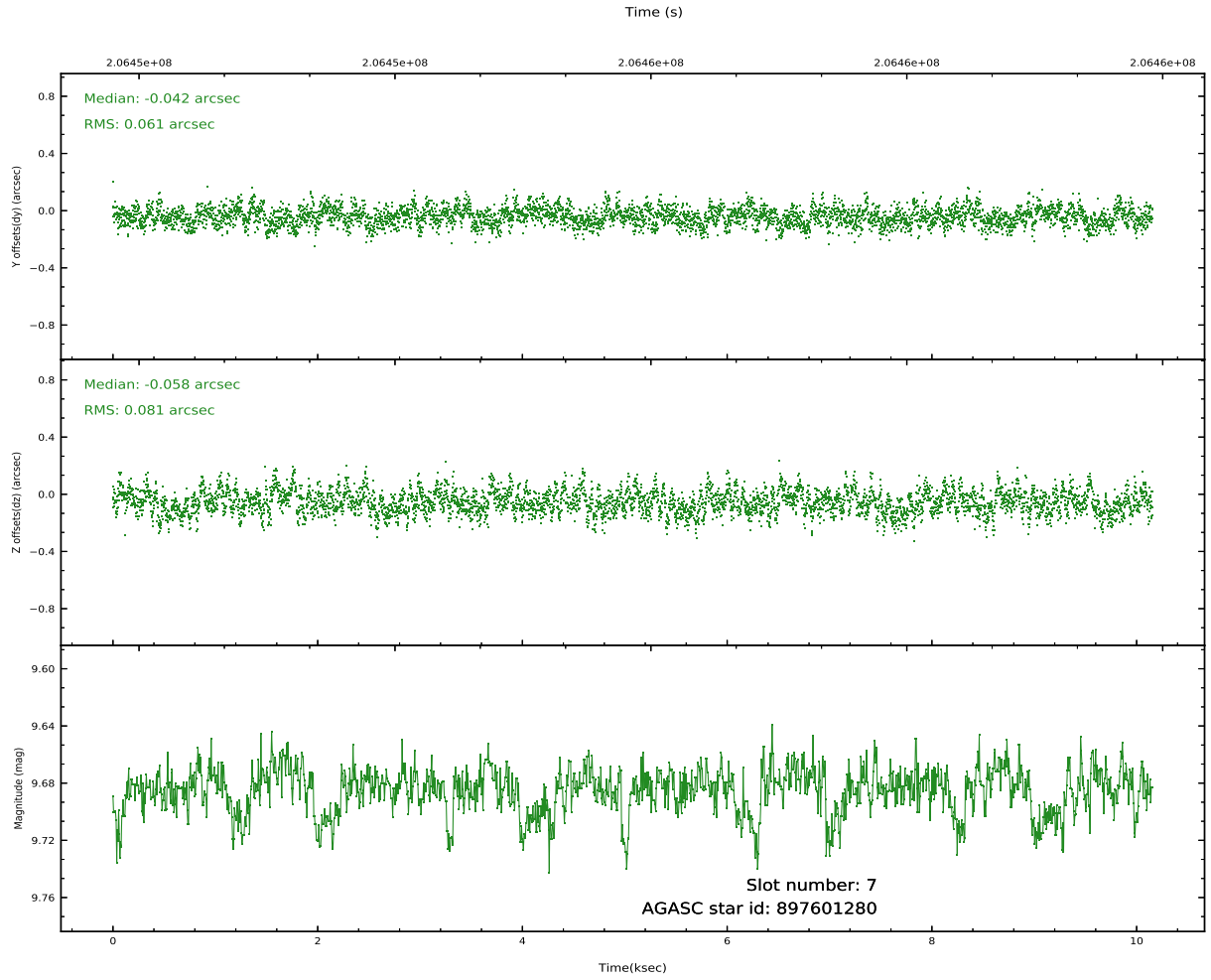
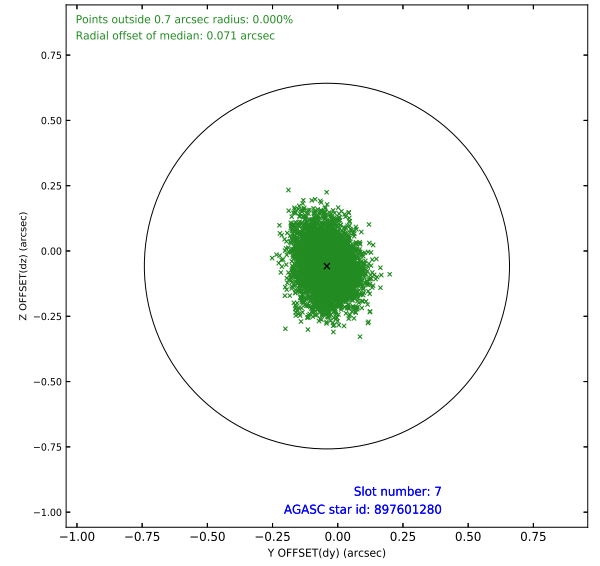
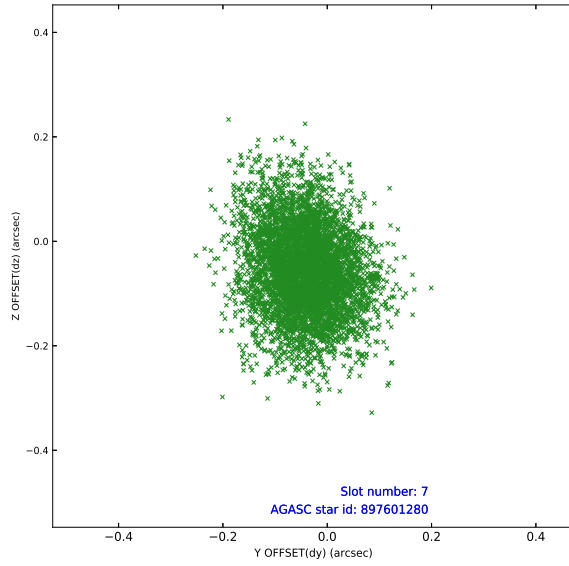
2.4.3 Slot 5



2.4.4 Slot 6

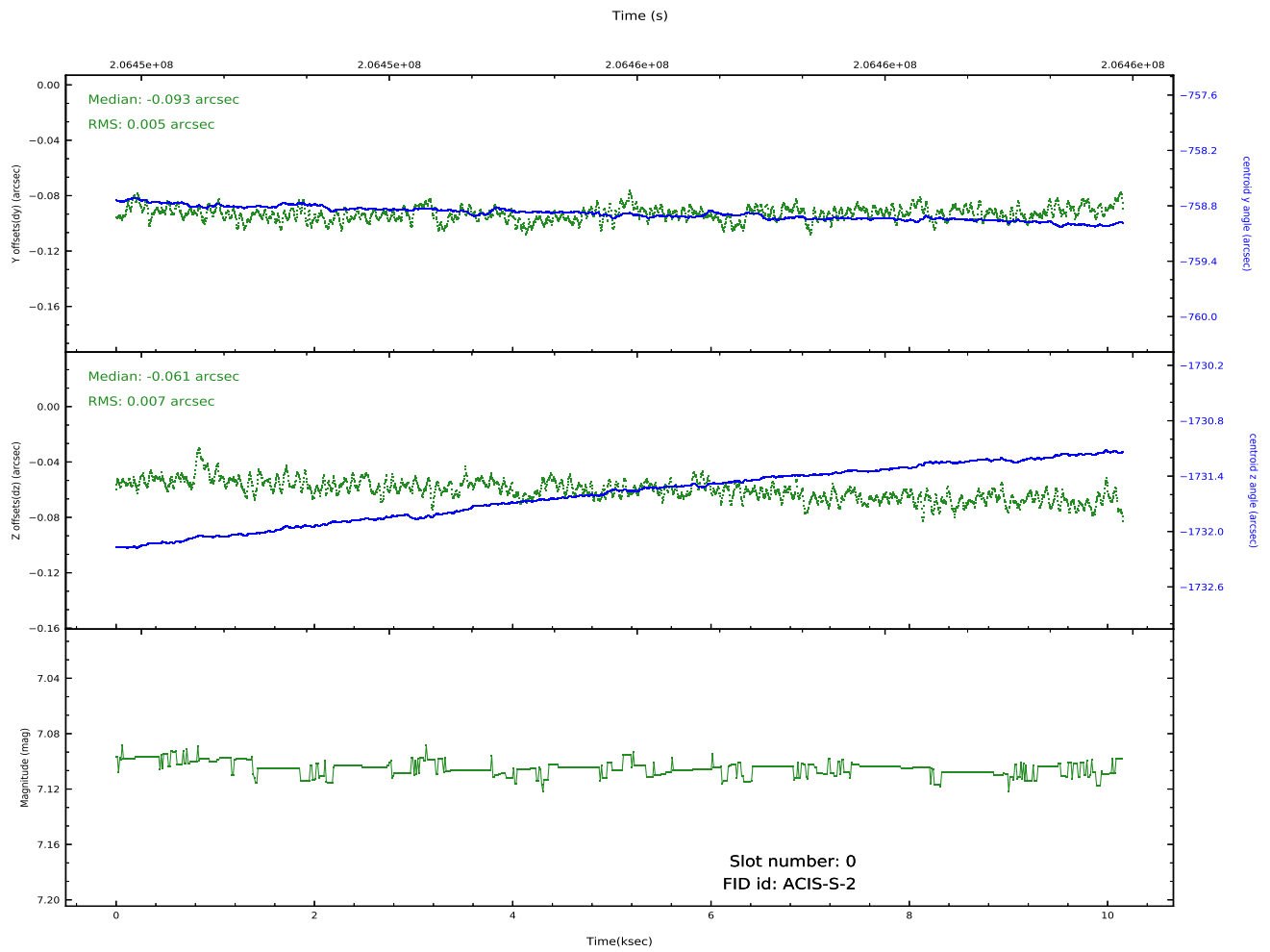
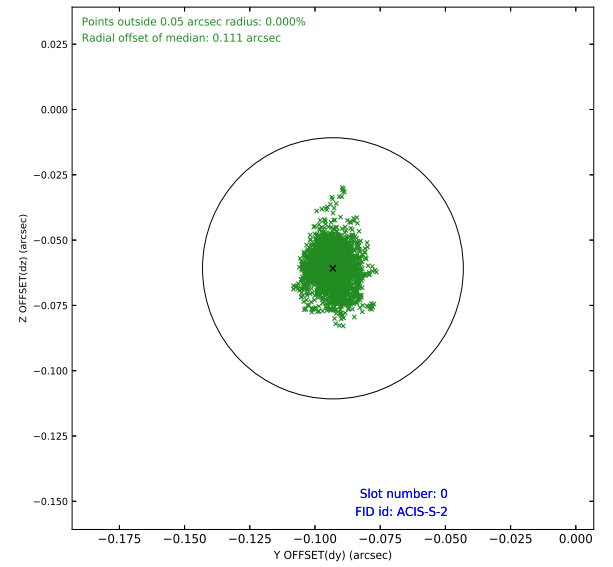
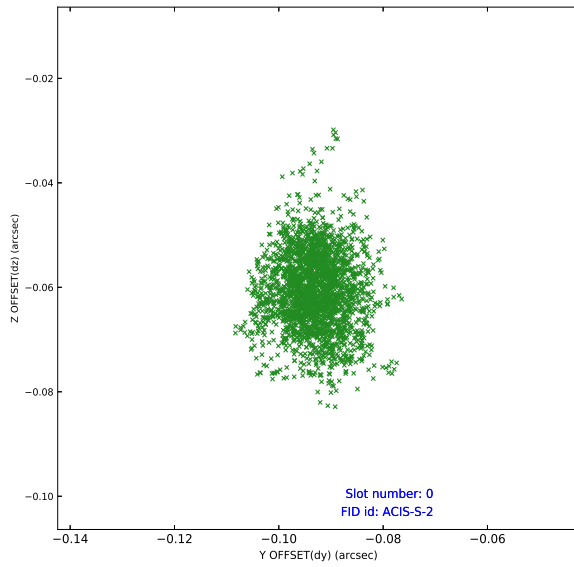


2.4.5 Slot 7

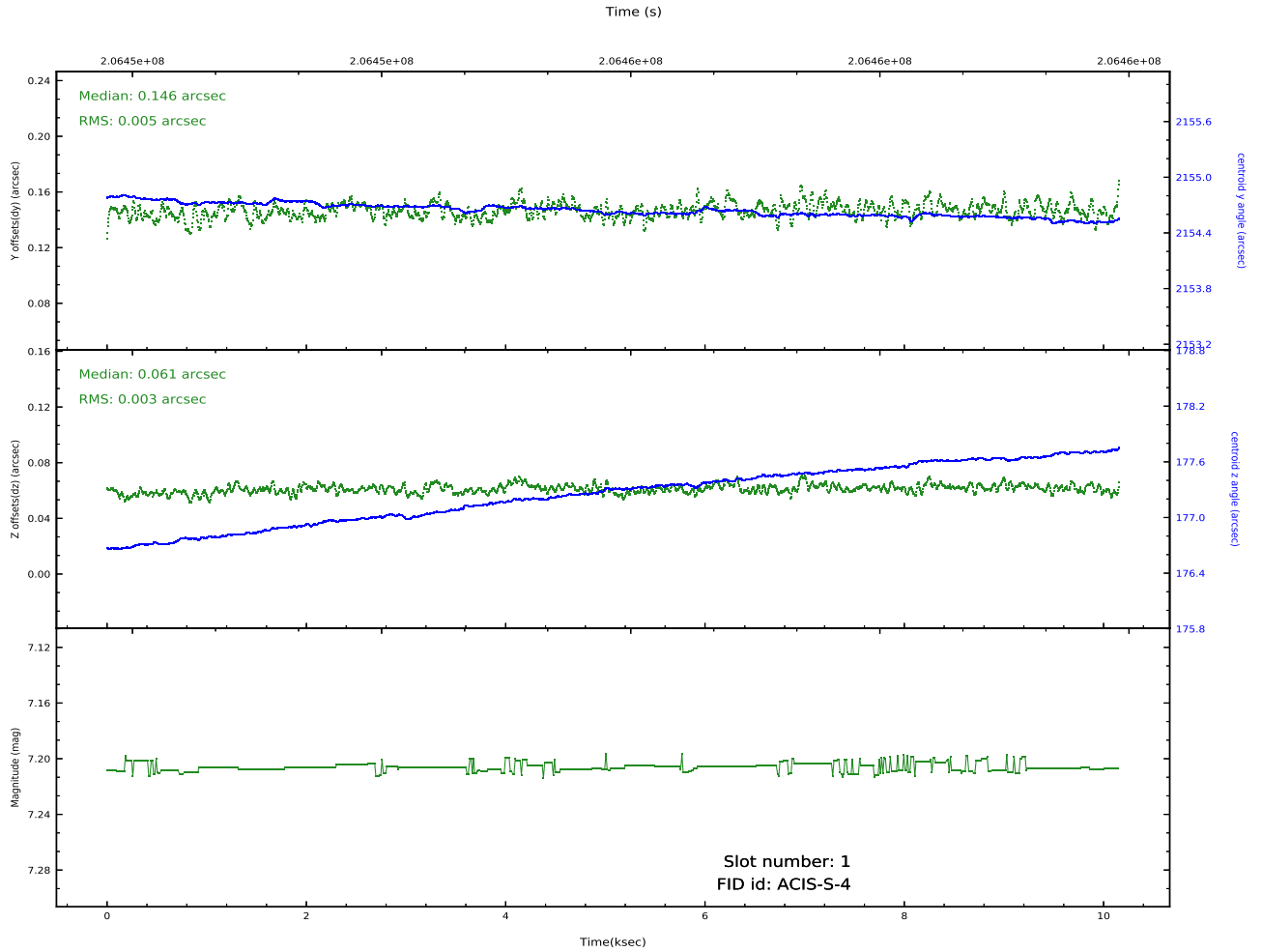
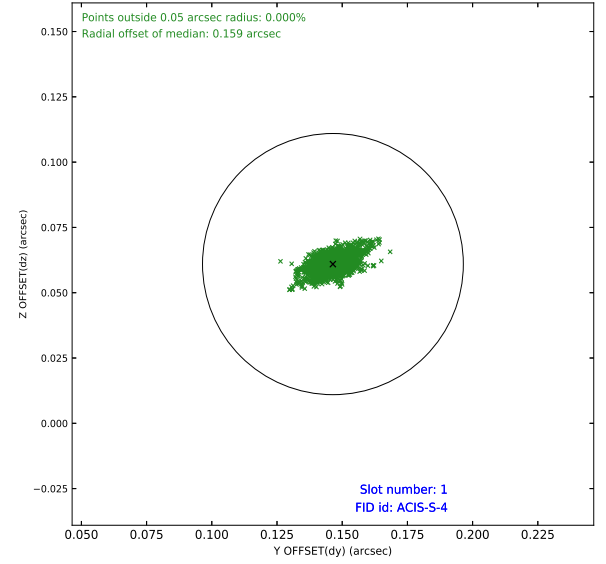
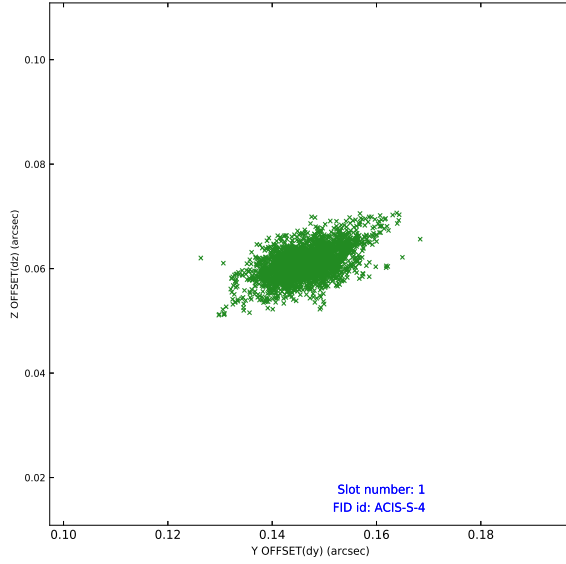


2.5 FID Slots

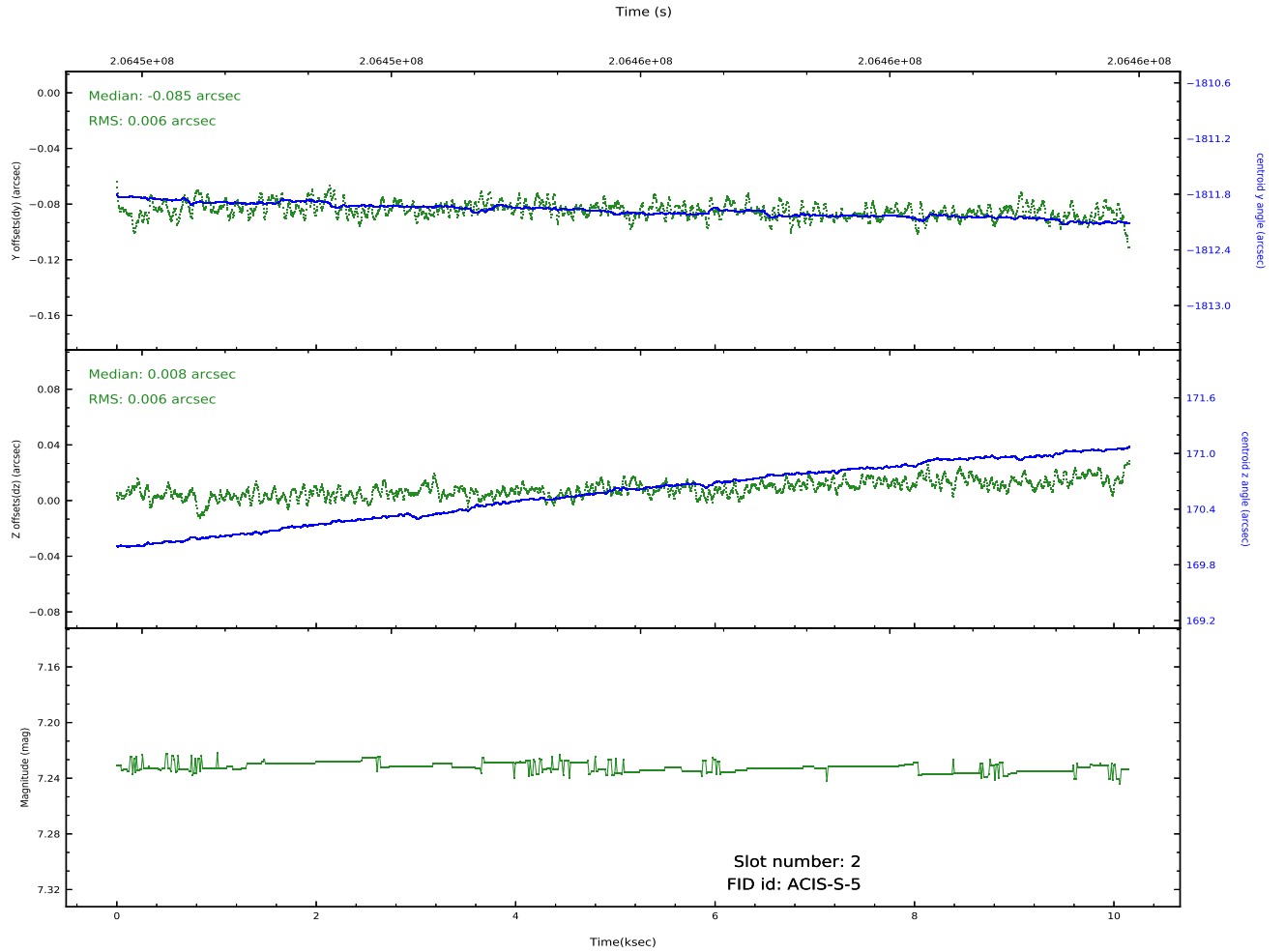
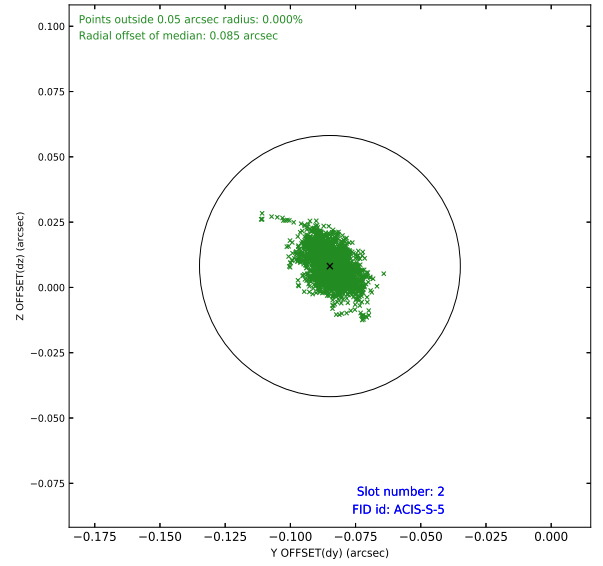
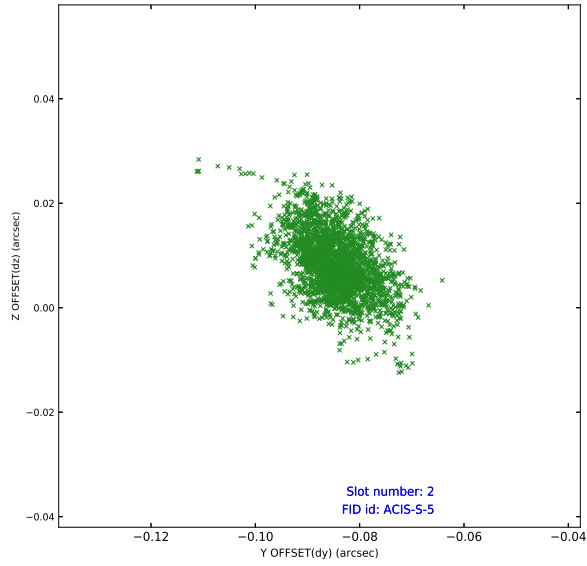
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.154

A.2 Comments

Joint proposal with NRAO.