

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4557 - L2 Version 4
Chandra X-Ray Center

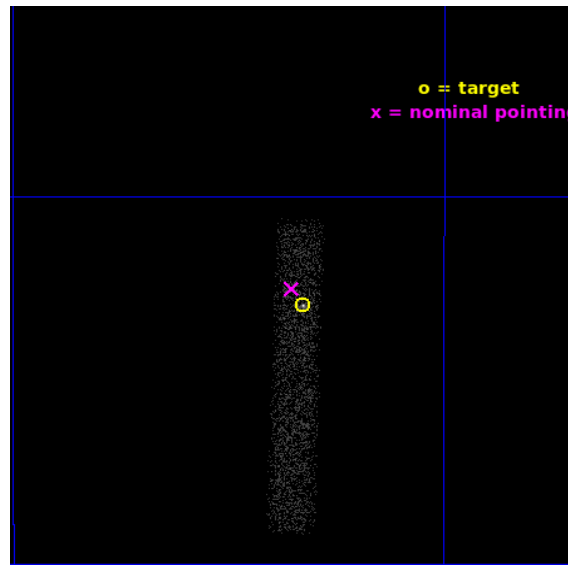
L2 Processing Date : Oct 5 2020

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1 Front

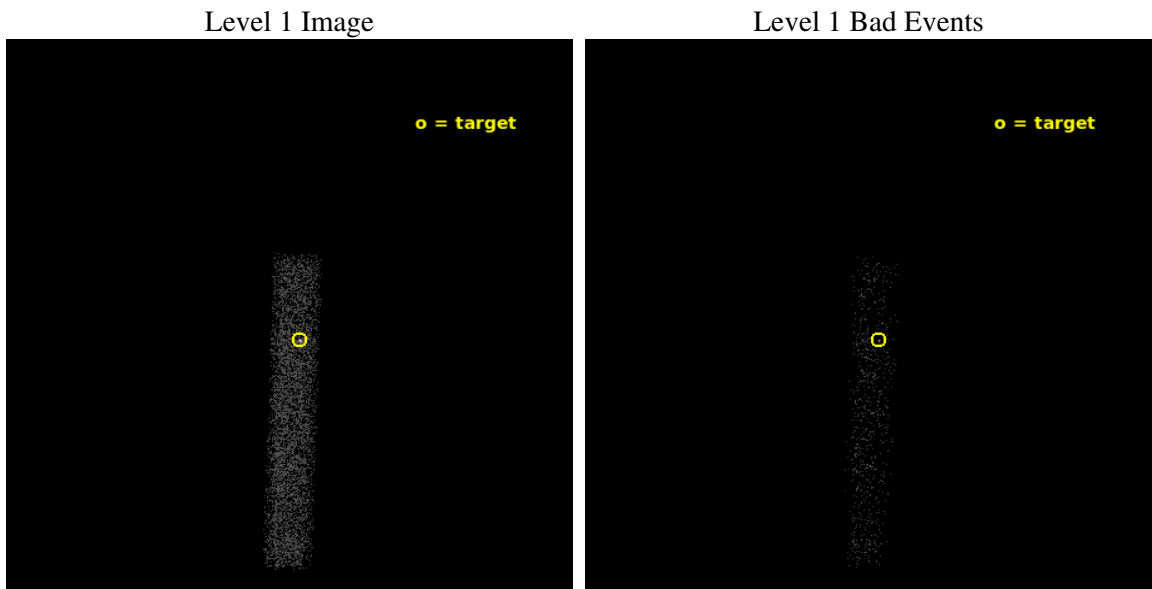
seq_num	400340	Sequence number
obs_id	4557	Observation id
title	Monitoring the ultraluminous x-ray source in NGC 5408	Proposal tit
observer	Philip Kaaret	Principal investigator
object	NGC 5408	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.831667	Observer's specified target RA [deg]
dec_targ	-41.382972	Observer's specified target Dec [deg]
ra_nom	210.83807669339	Nominal RA [deg]
dec_nom	-41.375394761851	Nominal Dec [deg]
roll_nom	91.806058468183	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5142.8000766039	Sum of GTIs [s]
livetime	4664.2482102339	Livetime [s]
ontime7	5142.8000766039	Sum of GTIs [s]
l2events	4807	Number of level 2 events



2 OBI

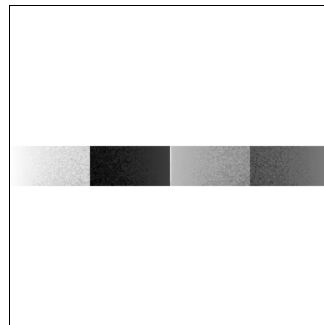
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5142.8000766039	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5142.8000766039	Sum of GTIs [s]
date	2020-10-05T18:25:30	Date and time of file creation	l1events	10407	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

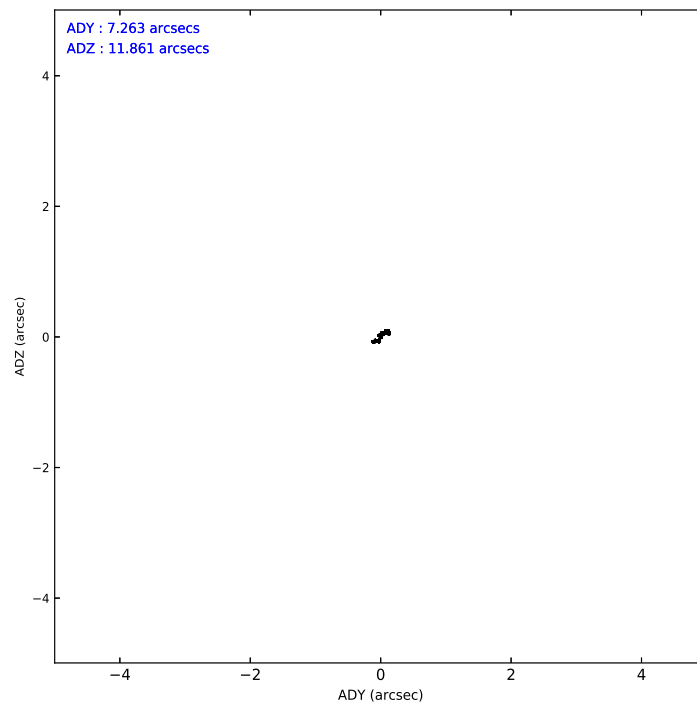
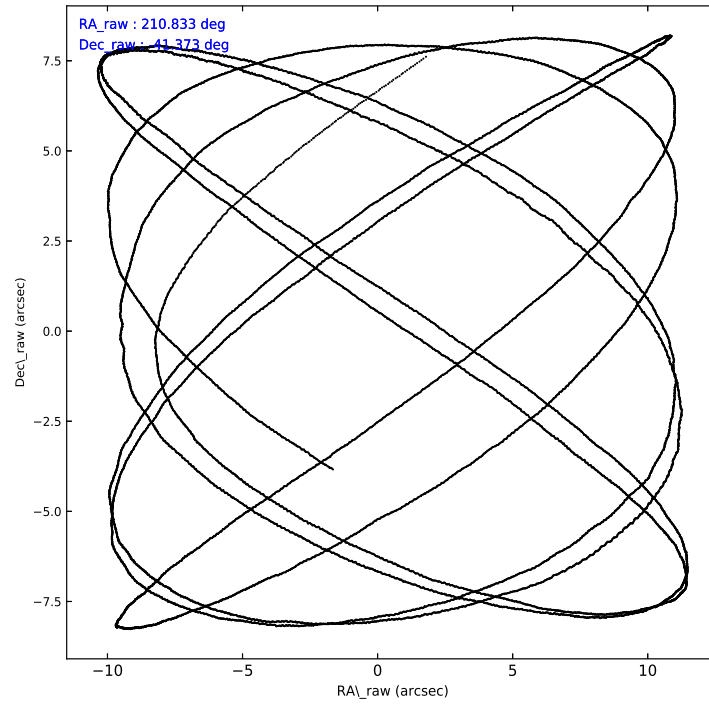
	ccd 7
level 1 events	10407
rejected events	5495
rejected %	52%

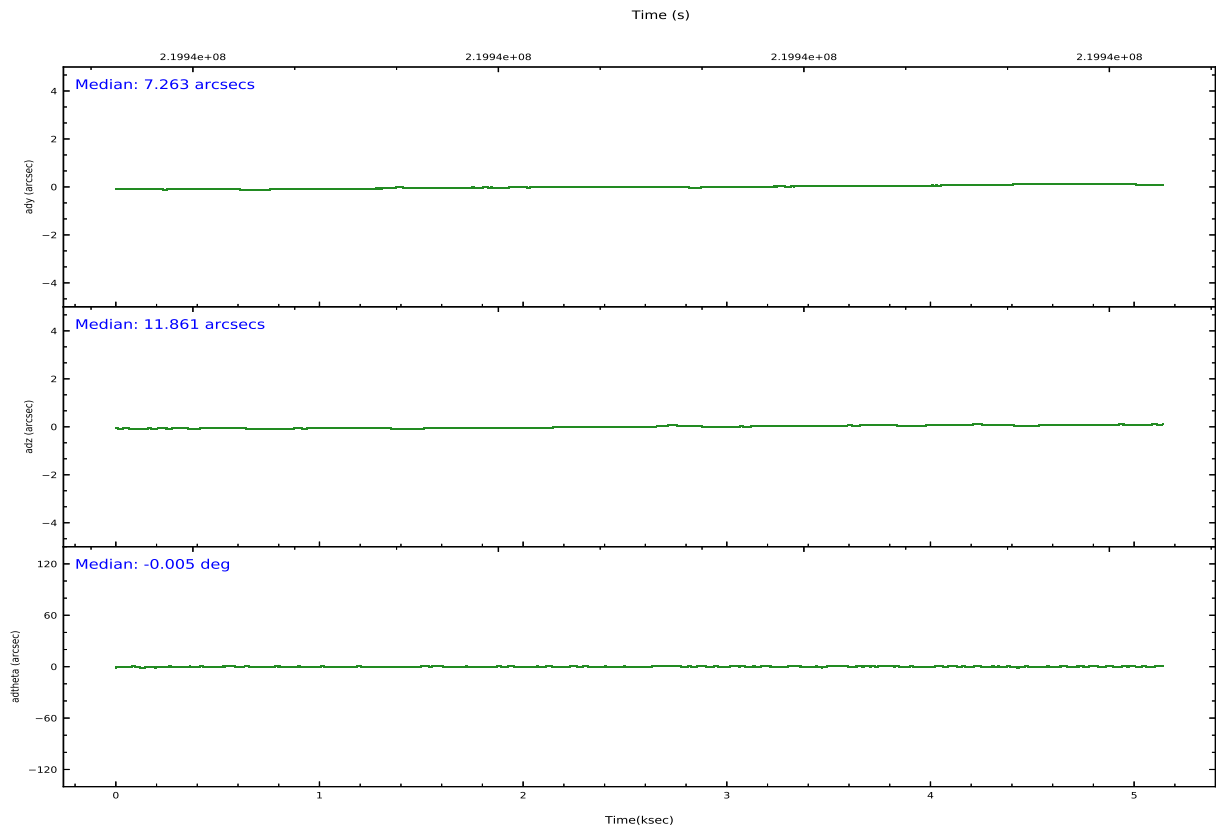
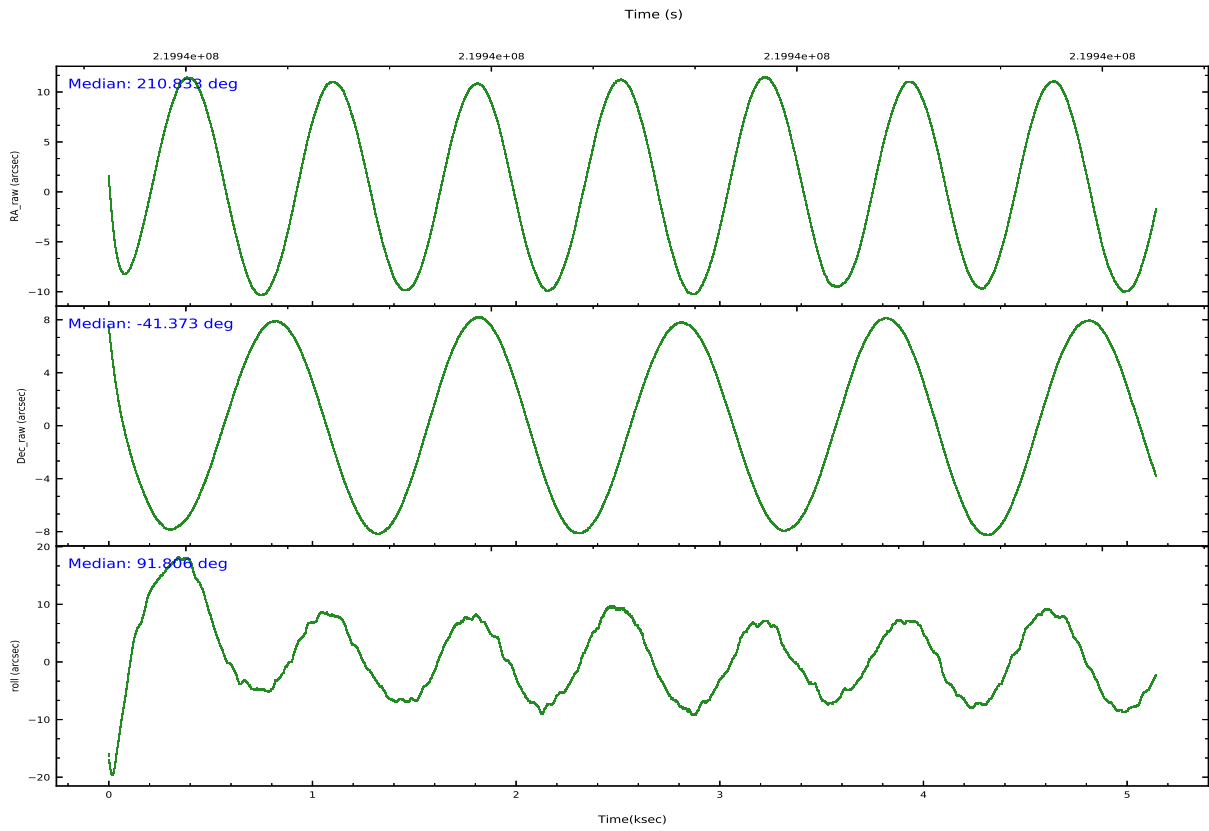
	ccd 7
grade 0 events	1029
	9%
grade 1 events	14
	0%
grade 2 events	1150
	11%
grade 3 events	708
	6%
grade 4 events	653
	6%
grade 5 events	877
	8%
grade 6 events	2005
	19%
grade 7 events	3971
	38%

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	210.853081	210.83807669339	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-41.396341	-41.375394761851	Subarray start row	449	449
[deg] Pointing Roll	91.664960	91.806058468183	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)	219936765.184000	219935676.59244			
Observation start date	2004-12-20T13:31:41	2004-12-20T13:14:36			
[s] Observation end time (MET)	219941765.184000	219943188.81778			
Observation end date	2004-12-20T14:55:01	2004-12-20T15:19:48			
Read mode	TIMED	TIMED			

2.3 Aspect





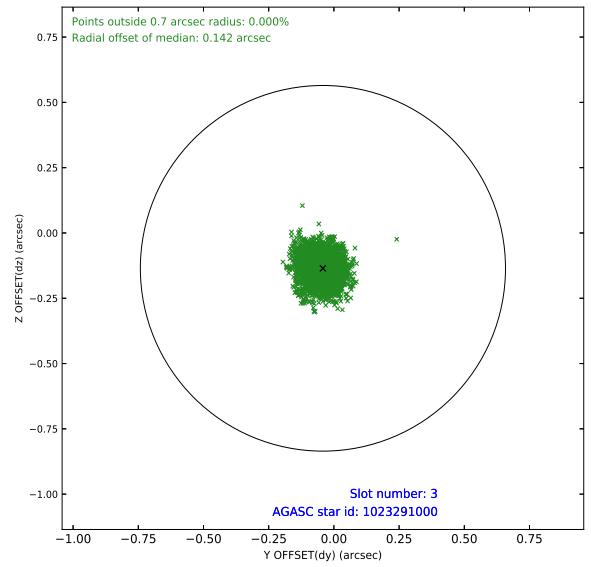
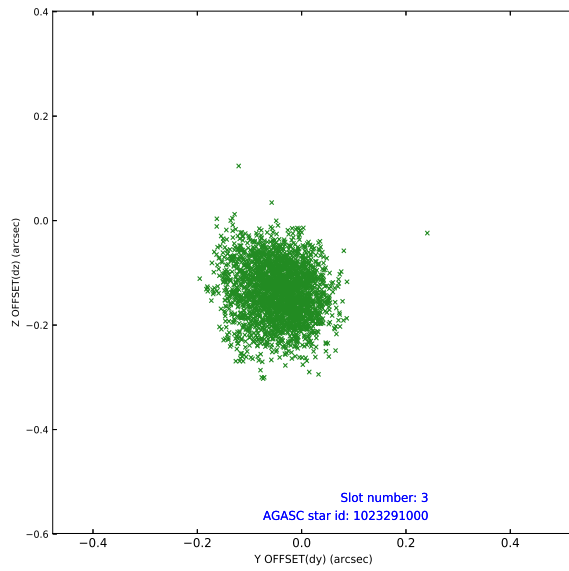
Slot Statistics

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	7.10	1255	1.000	-0.056	-0.059	0.007	0.011	0.000000	0.000000	-760.04	-1733
1	FID		ACIS-S-4	7.20	1255	1.000	0.128	0.043	0.006	0.010	0.000000	0.000000	2152.85	174
2	FID		ACIS-S-5	7.23	1255	1.000	-0.103	0.025	0.007	0.013	0.000000	0.000000	-1811.45	169
3	GUIDE	used	1023291000	8.64	2509	1.000	-0.042	-0.135	0.078	0.124	210.097476	-41.108006	1087.99	2018
4	GUIDE	used	1023291688	8.65	2510	1.000	-0.042	-0.083	0.073	0.115	210.168569	-41.185177	806.70	1832
5	GUIDE	used	1023822680	8.87	2510	1.000	0.029	0.074	0.068	0.111	211.176618	-41.286245	369.64	-885
6	GUIDE	used	1023824840	9.45	2505	1.000	0.113	0.101	0.100	0.166	210.682919	-41.618703	-786.99	480
7	GUIDE	used	1023292600	9.39	2508	1.000	-0.053	0.045	0.104	0.165	210.176441	-41.207792	724.17	1812

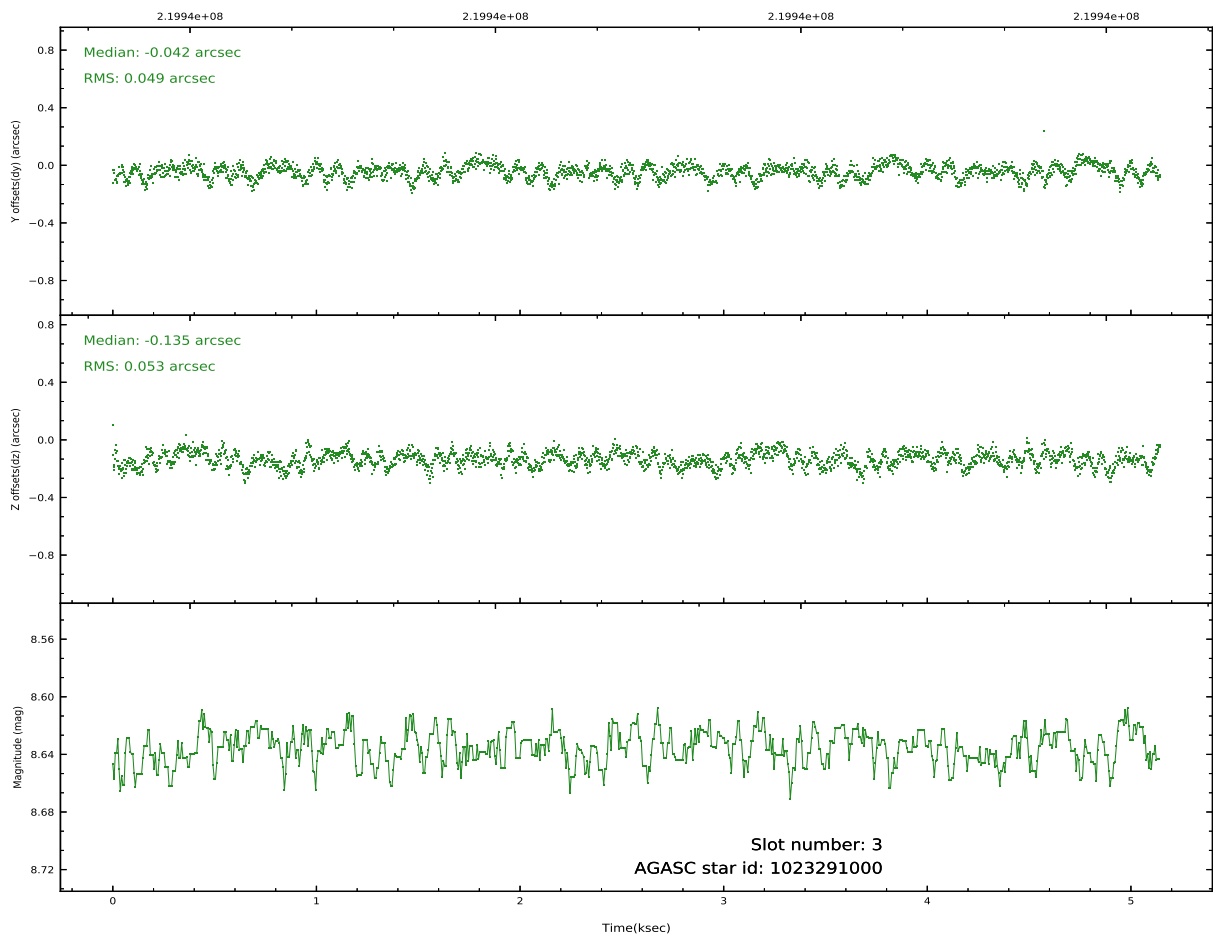
∞

2.4 Star Slots

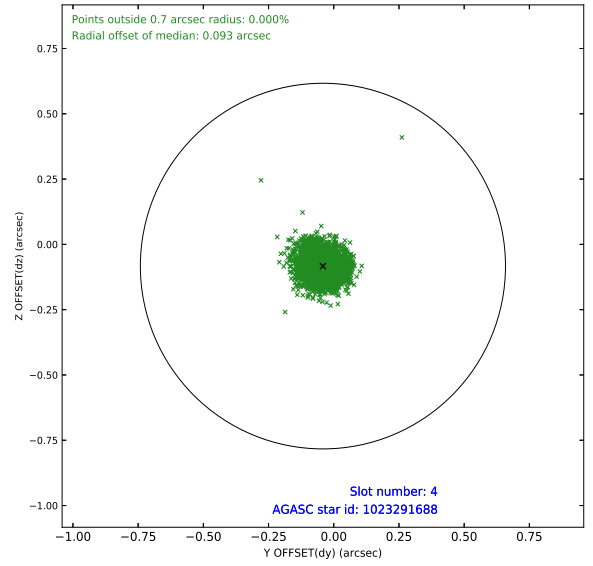
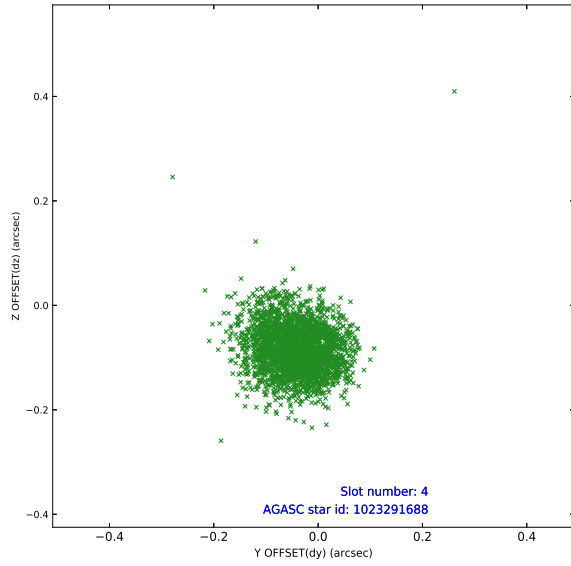
2.4.1 Slot 3



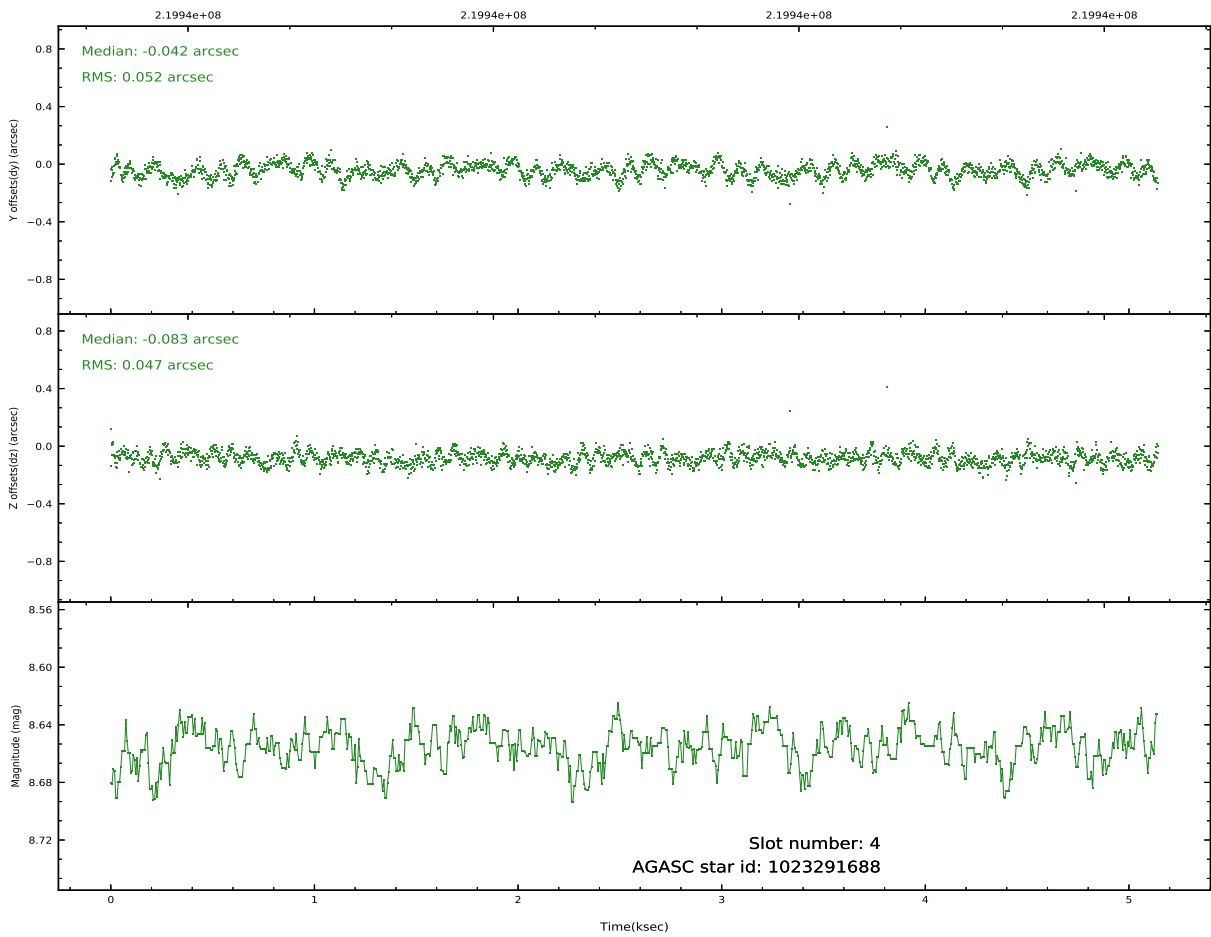
Time (s)



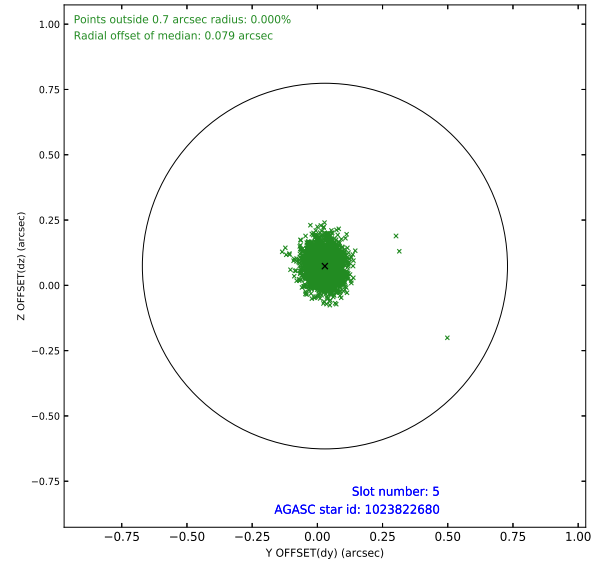
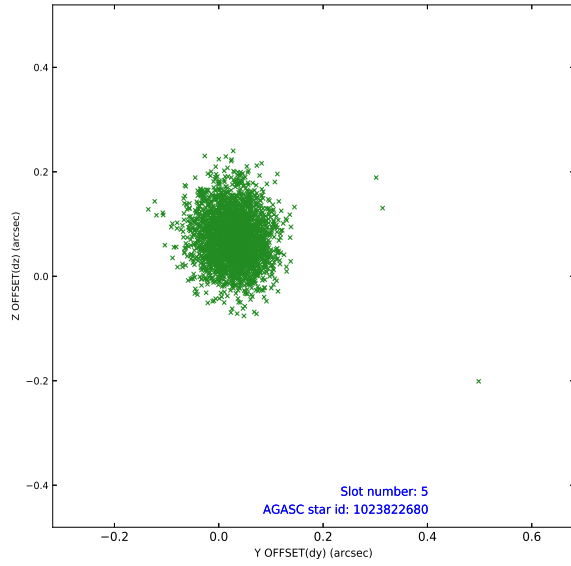
2.4.2 Slot 4



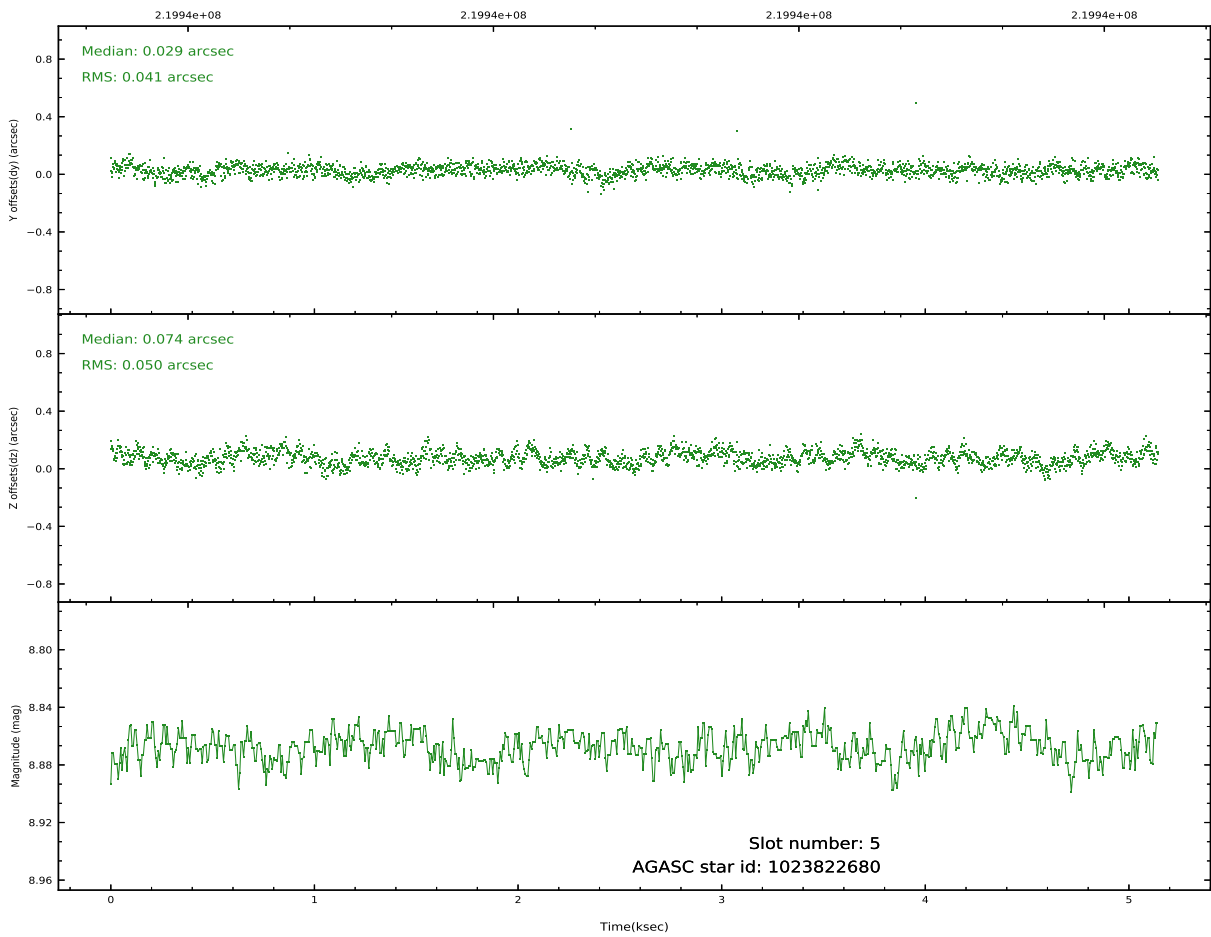
Time (s)



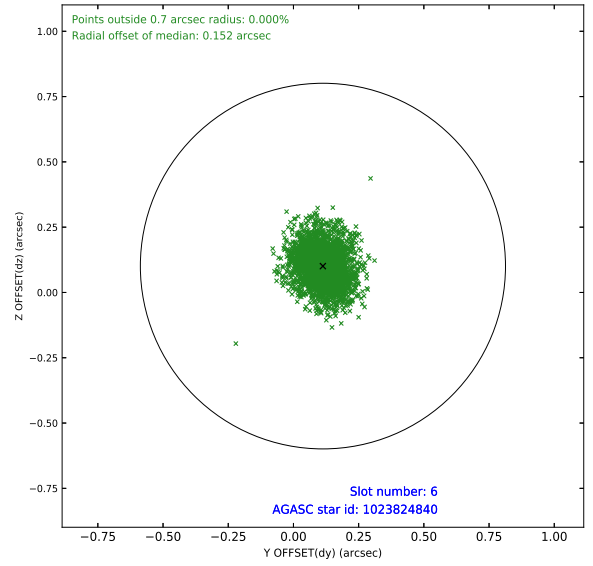
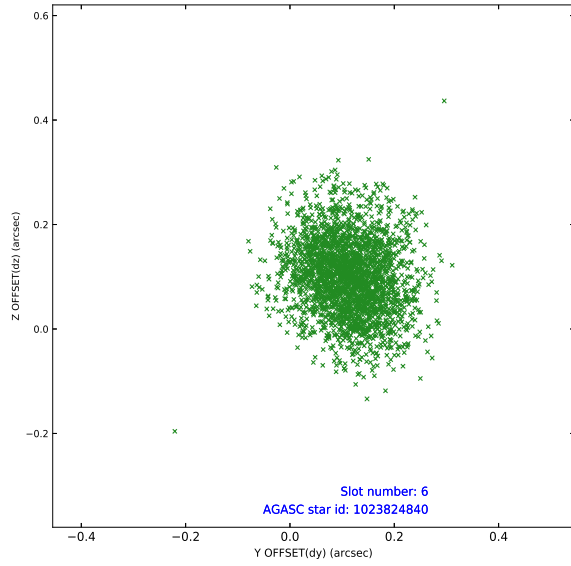
2.4.3 Slot 5



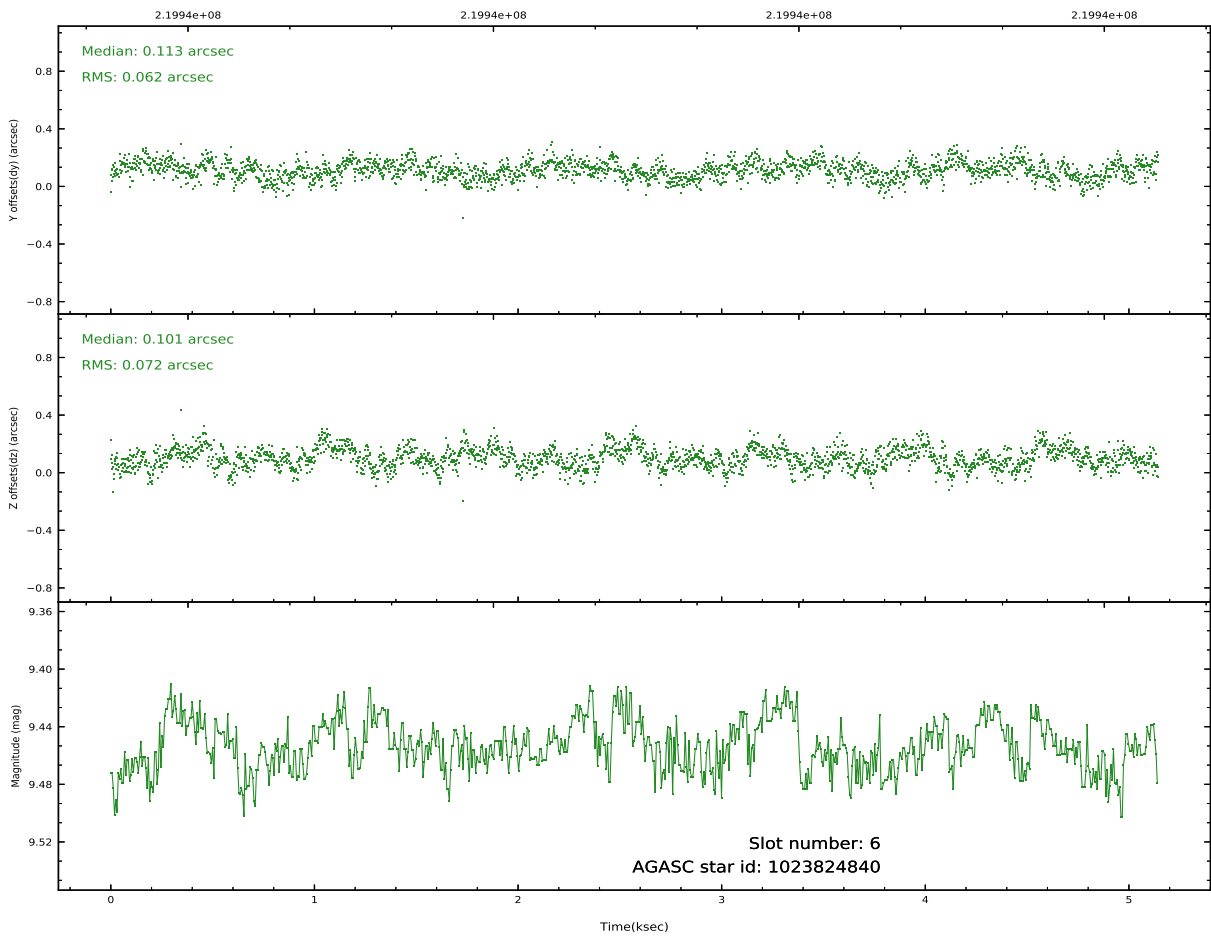
Time (s)



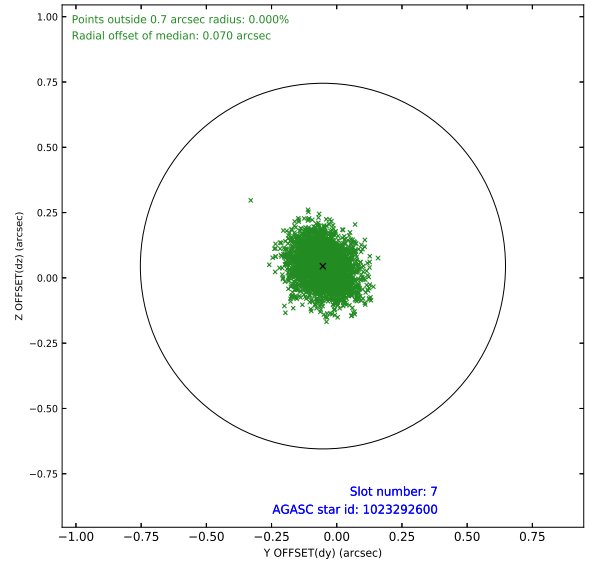
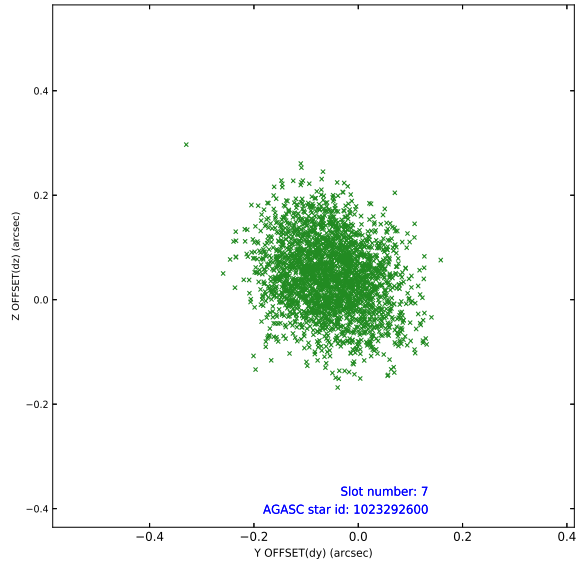
2.4.4 Slot 6



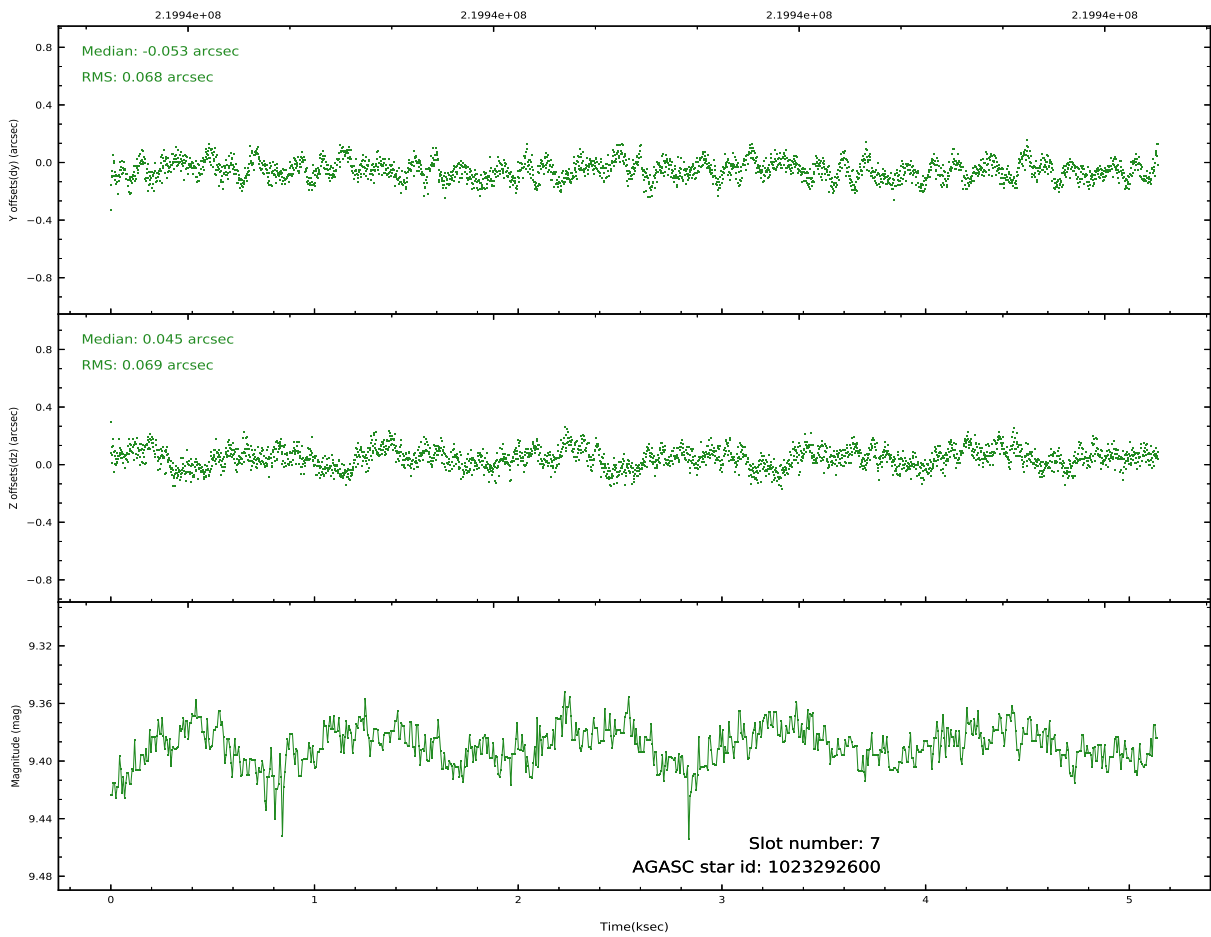
Time (s)



2.4.5 Slot 7

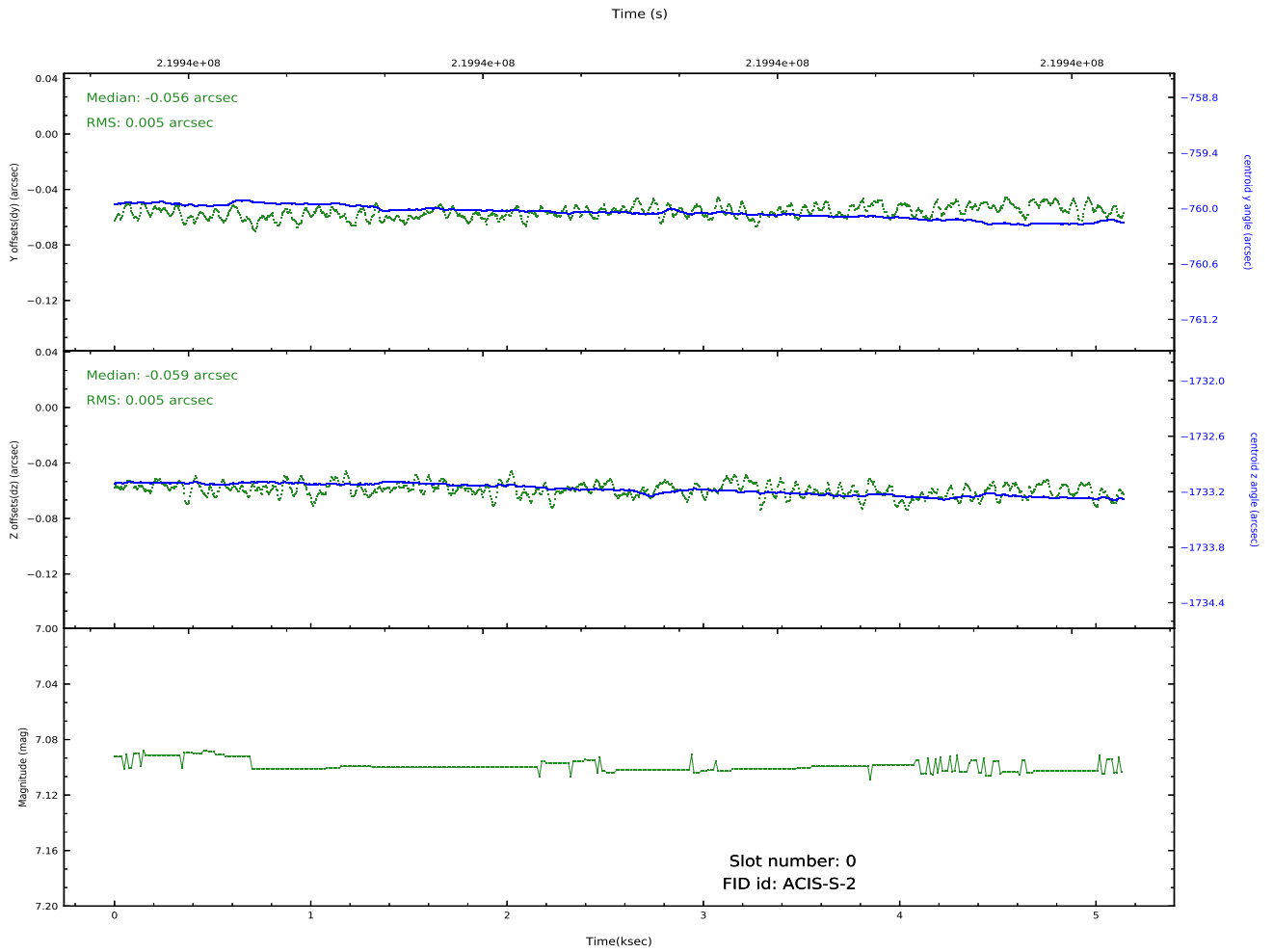
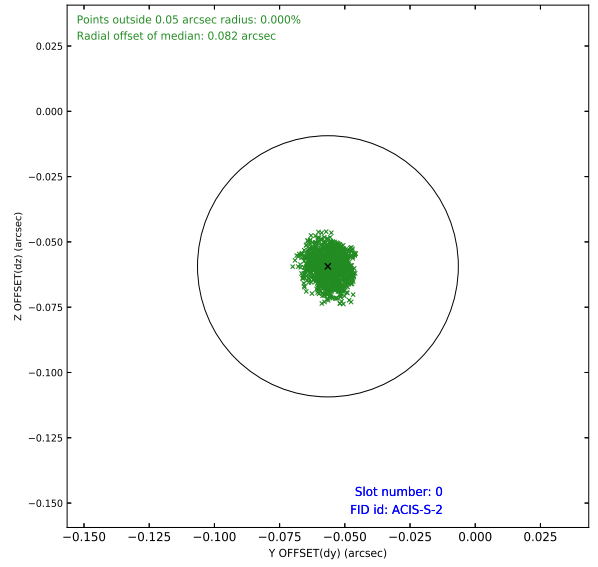
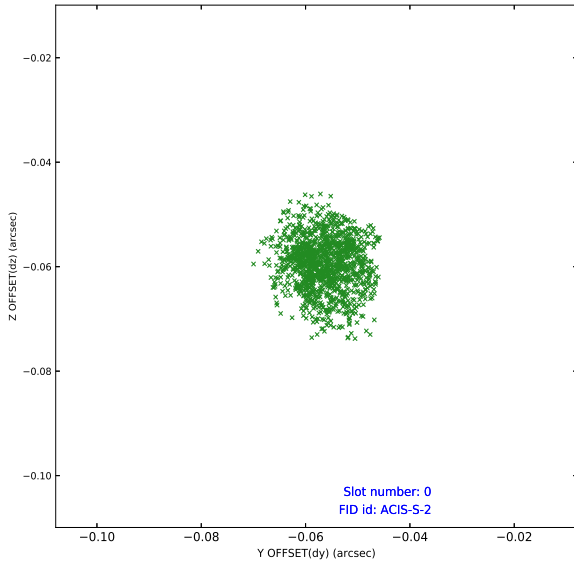


Time (s)

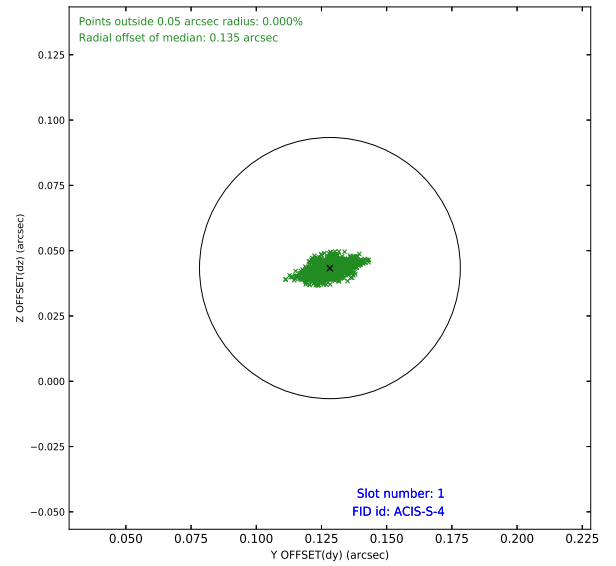
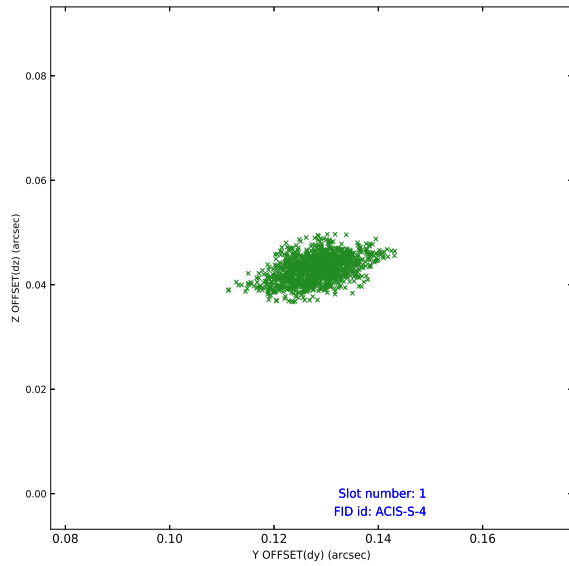


2.5 FID Slots

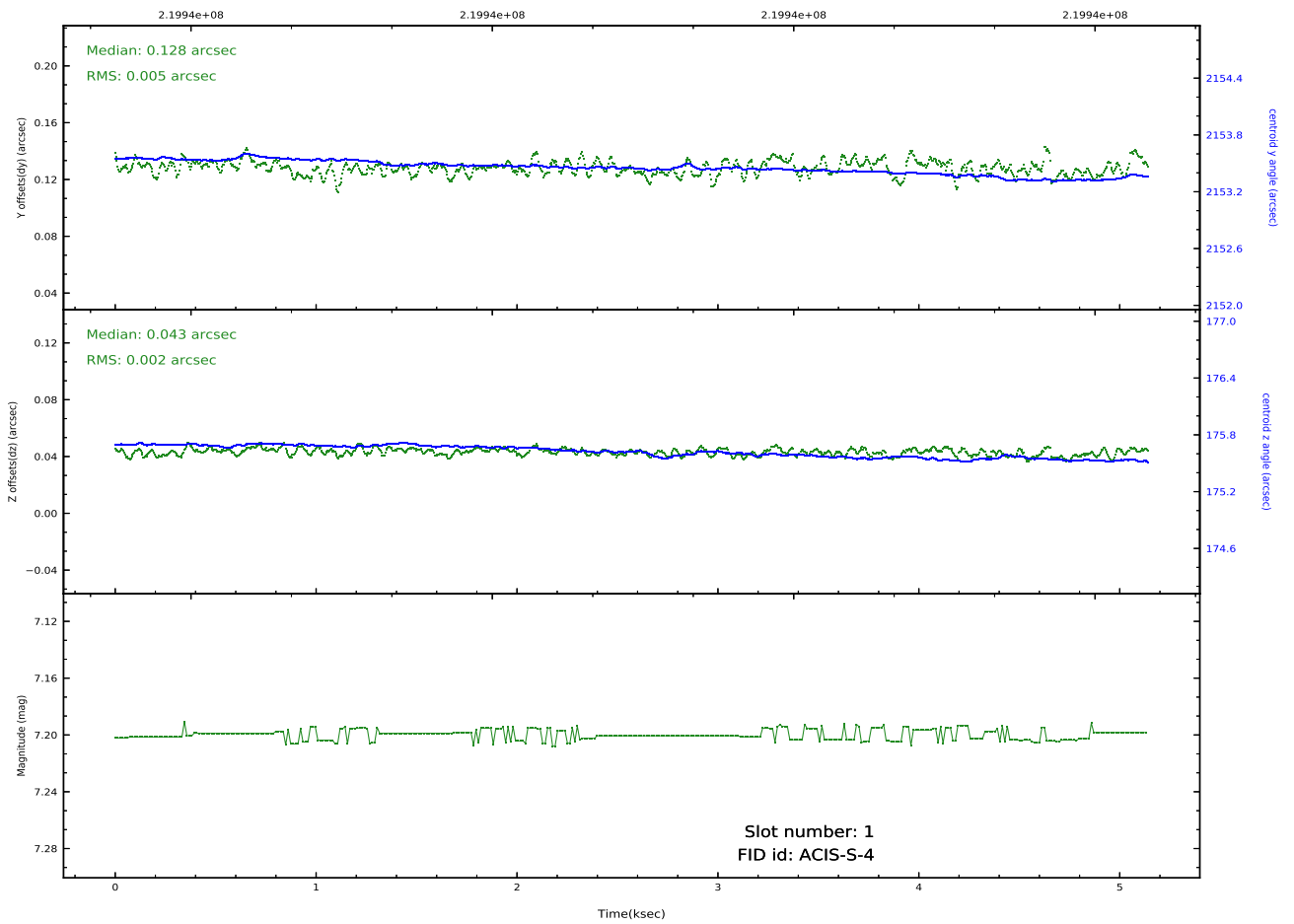
2.5.1 Slot 0



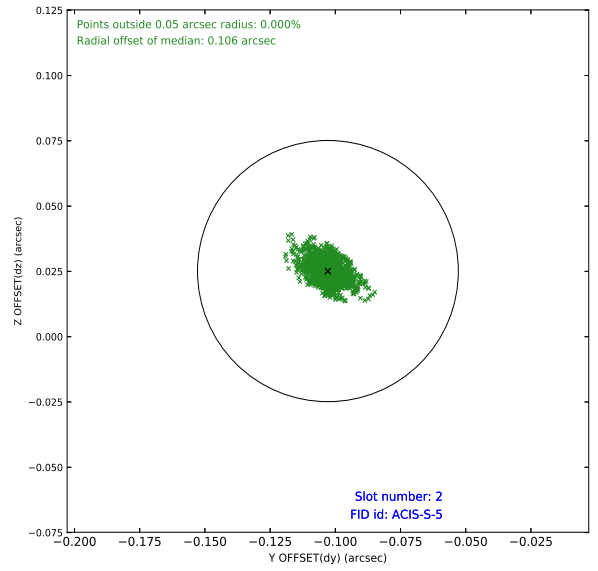
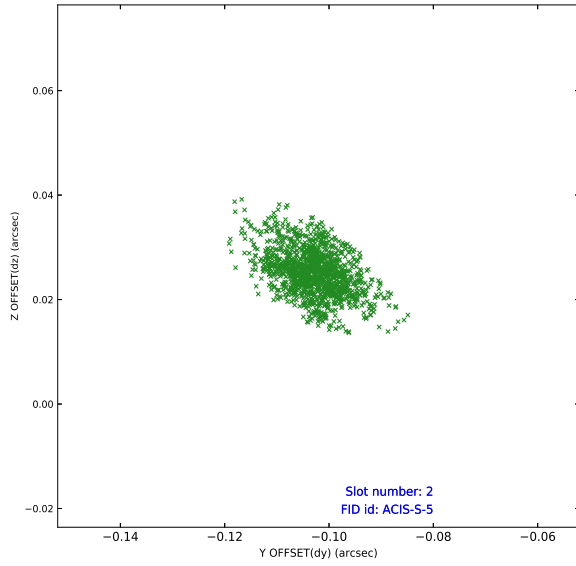
2.5.2 Slot 1



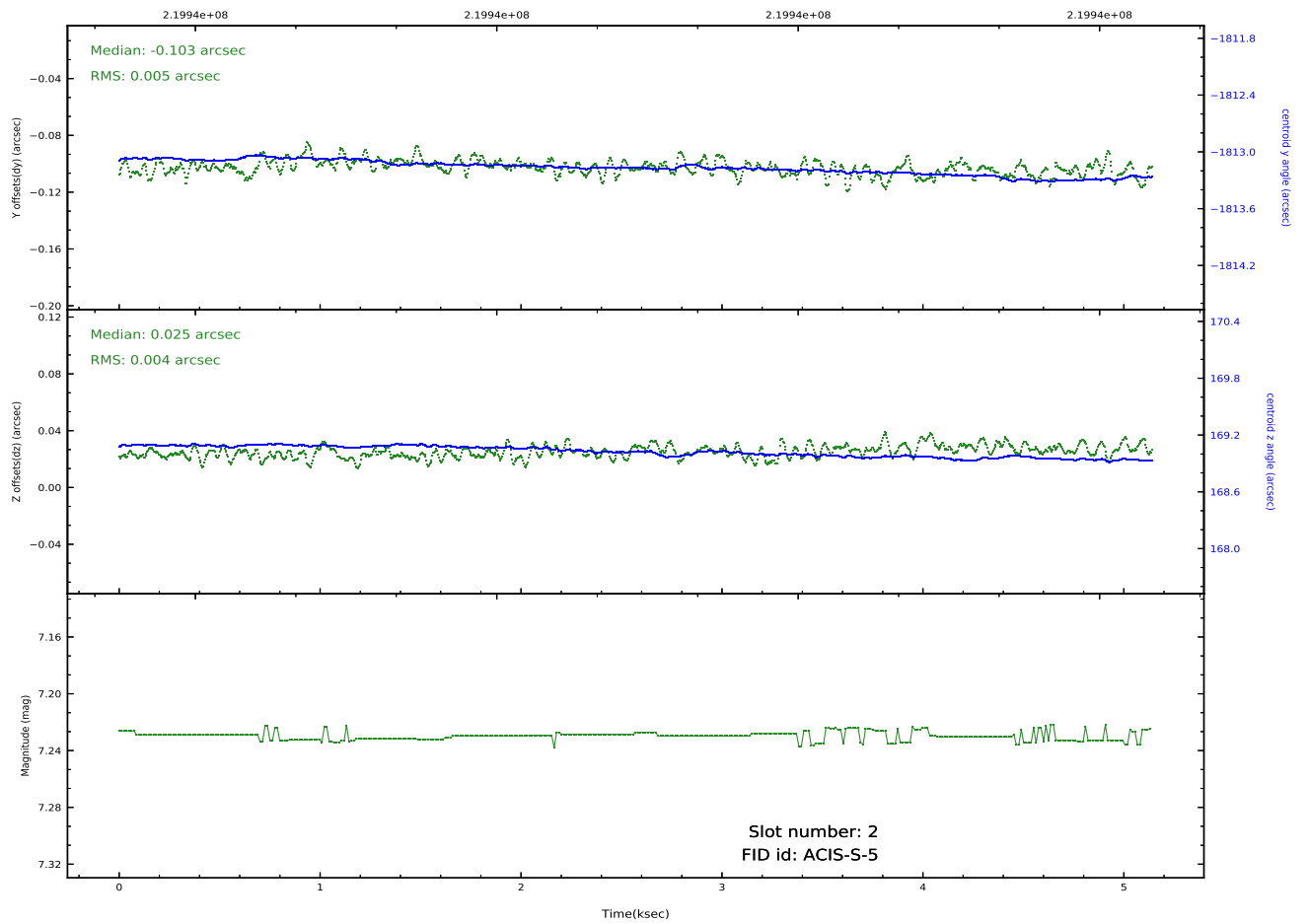
Time (s)



2.5.3 Slot 2



Time (s)



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	5.1428

A.2 Comments

Joint Proposal: NRAO