

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6789 - L2 Version 3
Chandra X-Ray Center

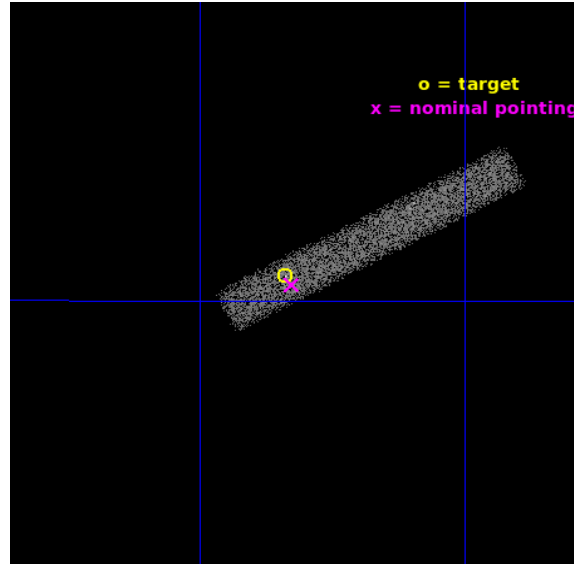
L2 Processing Date : Oct 11 2020

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1 Front

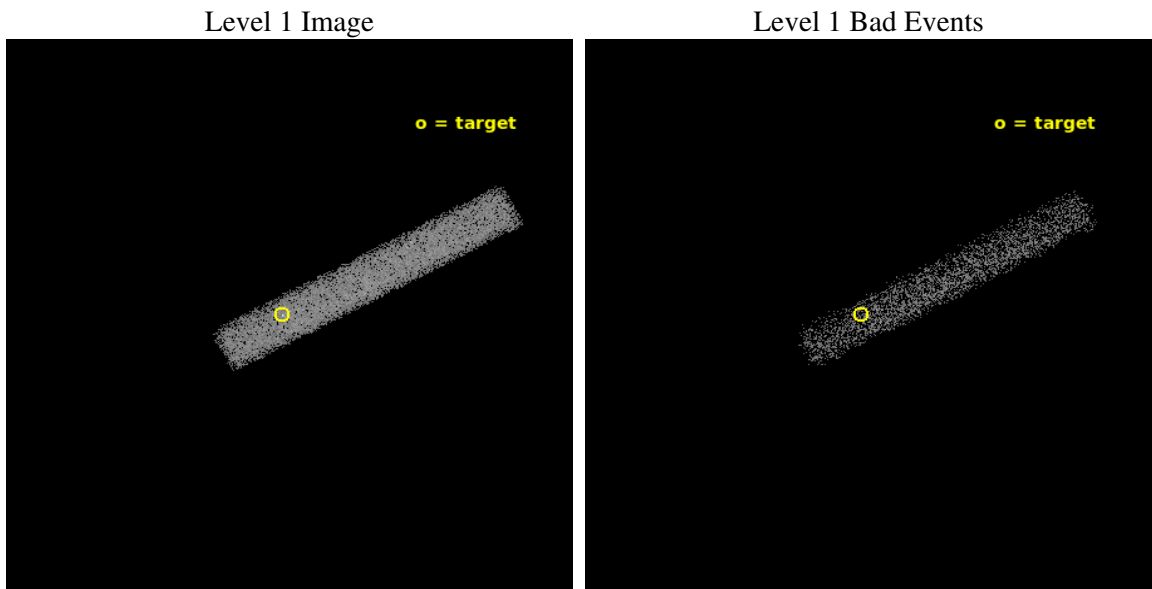
seq_num	701207	Sequence number
obs_id	6789	Observation id
title	Active Galactic Nuclei in nearby galaxies: a new view of the origin of the radio-loud radio-quiet dichotomy?	Proposal title
observer	Dr. Alessandro Capetti	Principal investigator
object	UGC10656	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.209583	Observer's specified target RA [deg]
dec_targ	23.011111	Observer's specified target Dec [deg]
ra_nom	255.20648114463	Nominal RA [deg]
dec_nom	23.007130263699	Nominal Dec [deg]
roll_nom	332.14696306525	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16682.000248551	Sum of GTIs [s]
liveltime	15129.693677264	Livetime [s]
ontime7	16682.000248551	Sum of GTIs [s]
l2events	10921	Number of level 2 events



2 OBI

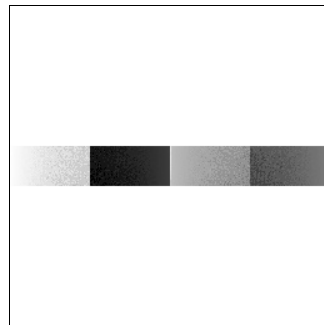
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	16682.000248551	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	16682.000248551	Sum of GTIs [s]
date	2020-10-11T15:52:27	Date and time of file creation	l1events	26359	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

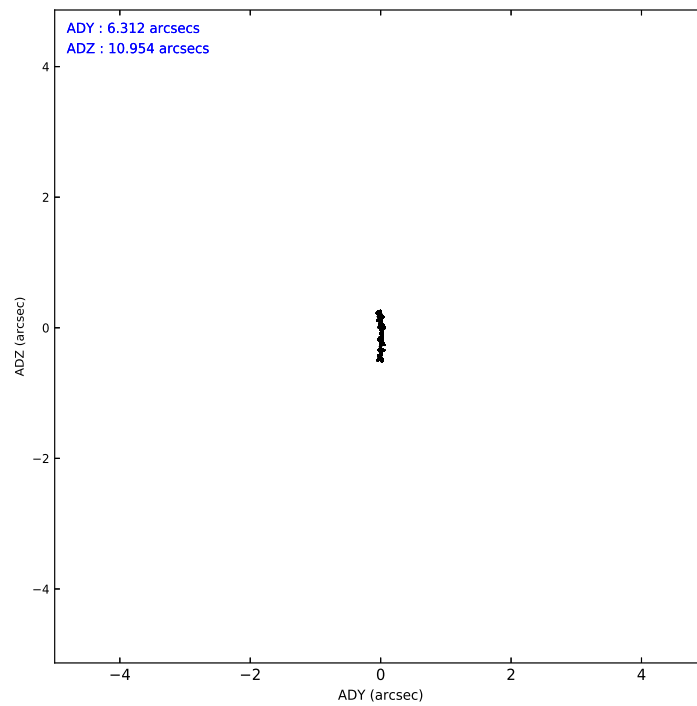
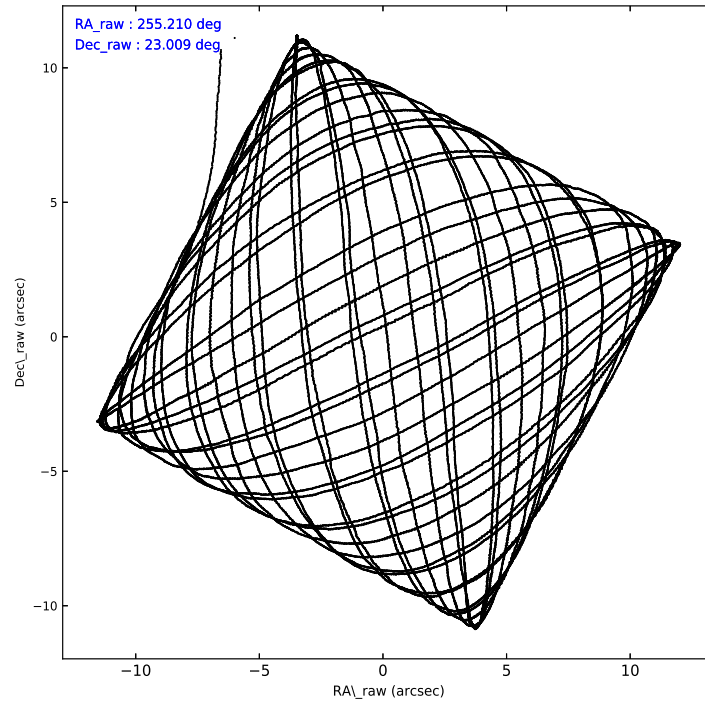
	ccd 7
level 1 events	26359
rejected events	14986
rejected %	56%

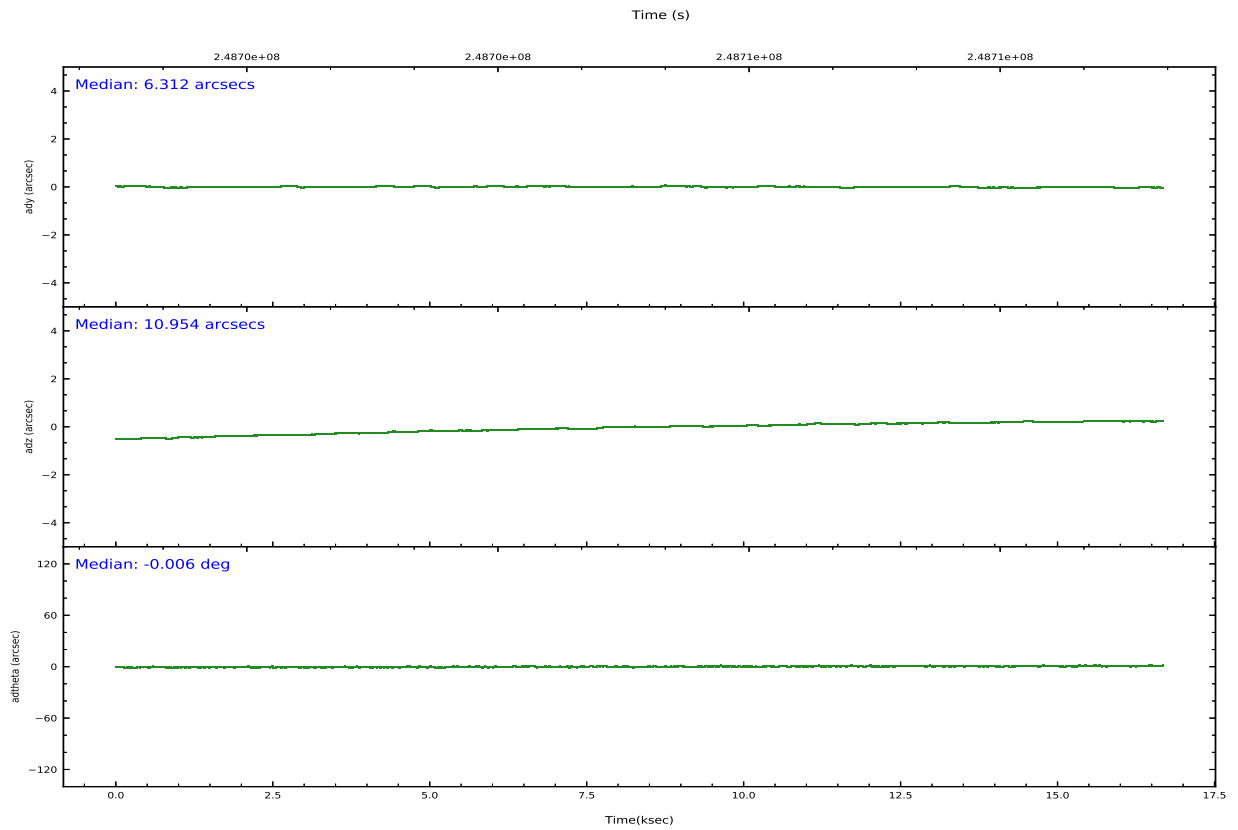
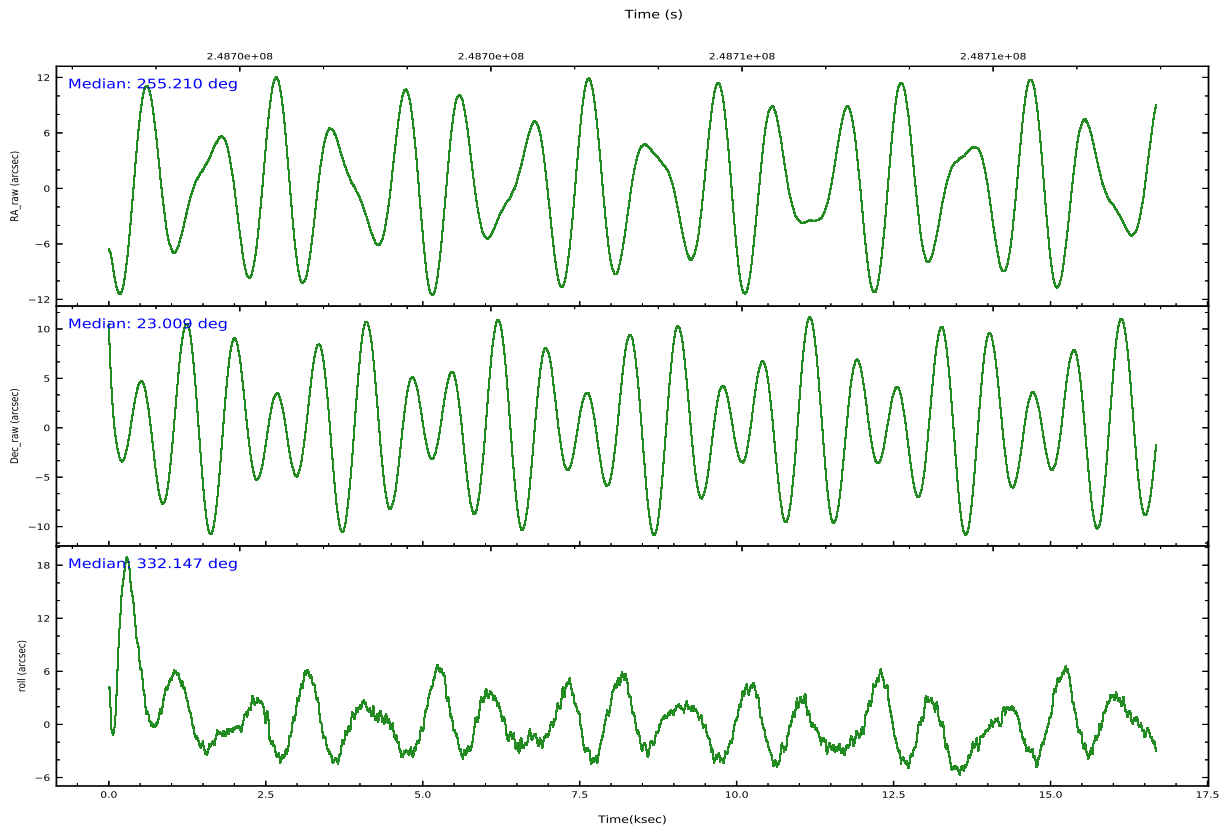
	ccd 7
grade 0 events	1310
	4%
grade 1 events	28
	0%
grade 2 events	2340
	8%
grade 3 events	1528
	5%
grade 4 events	1538
	5%
grade 5 events	2444
	9%
grade 6 events	5669
	21%
grade 7 events	11502
	43%

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	255.180381	255.20648114463	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	23.007664	23.007130263699	Subarray start row	449	449
[deg] Pointing Roll	331.999539	332.14696306525	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)	248698096.184000	248696398.39186			
Observation start date	2005-11-18T10:47:12	2005-11-18T10:19:58			
[s] Observation end time (MET)	248714596.184000	248715876.98026			
Observation end date	2005-11-18T15:22:12	2005-11-18T15:44:36			
Read mode	TIMED	TIMED			

2.3 Aspect





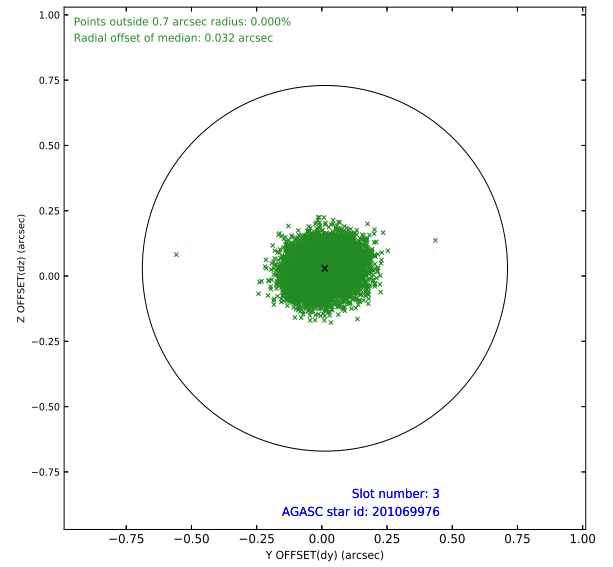
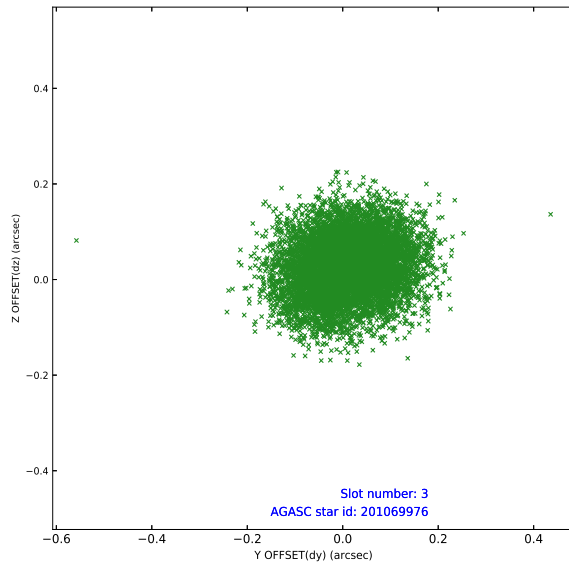
Slot Statistics

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	7.09	4069	1.000	-0.092	-0.051	0.007	0.012	0.000000	0.000000	-759.08	-1732
1	FID		ACIS-S-4	7.20	4068	1.000	0.150	0.058	0.006	0.011	0.000000	0.000000	2154.26	176
2	FID		ACIS-S-5	7.23	4070	1.000	-0.089	0.002	0.007	0.013	0.000000	0.000000	-1811.65	169
3	GUIDE	used	201069976	9.35	8093	1.000	0.012	0.030	0.102	0.162	255.468249	22.373074	1918.67	-1566
4	GUIDE	used	269882920	9.16	8132	1.000	-0.011	0.151	0.097	0.151	255.325196	23.378229	-203.41	1402
5	GUIDE	used	269884304	9.65	8134	1.000	-0.051	0.058	0.093	0.152	254.304421	22.770704	-2170.37	-2110
6	GUIDE	used	270013920	8.62	8136	1.000	0.033	-0.109	0.061	0.099	255.499274	22.935963	1053.41	269
7	GUIDE	used	269880344	9.45	8134	1.000	0.020	-0.127	0.084	0.138	254.558609	23.327530	-2356.88	55

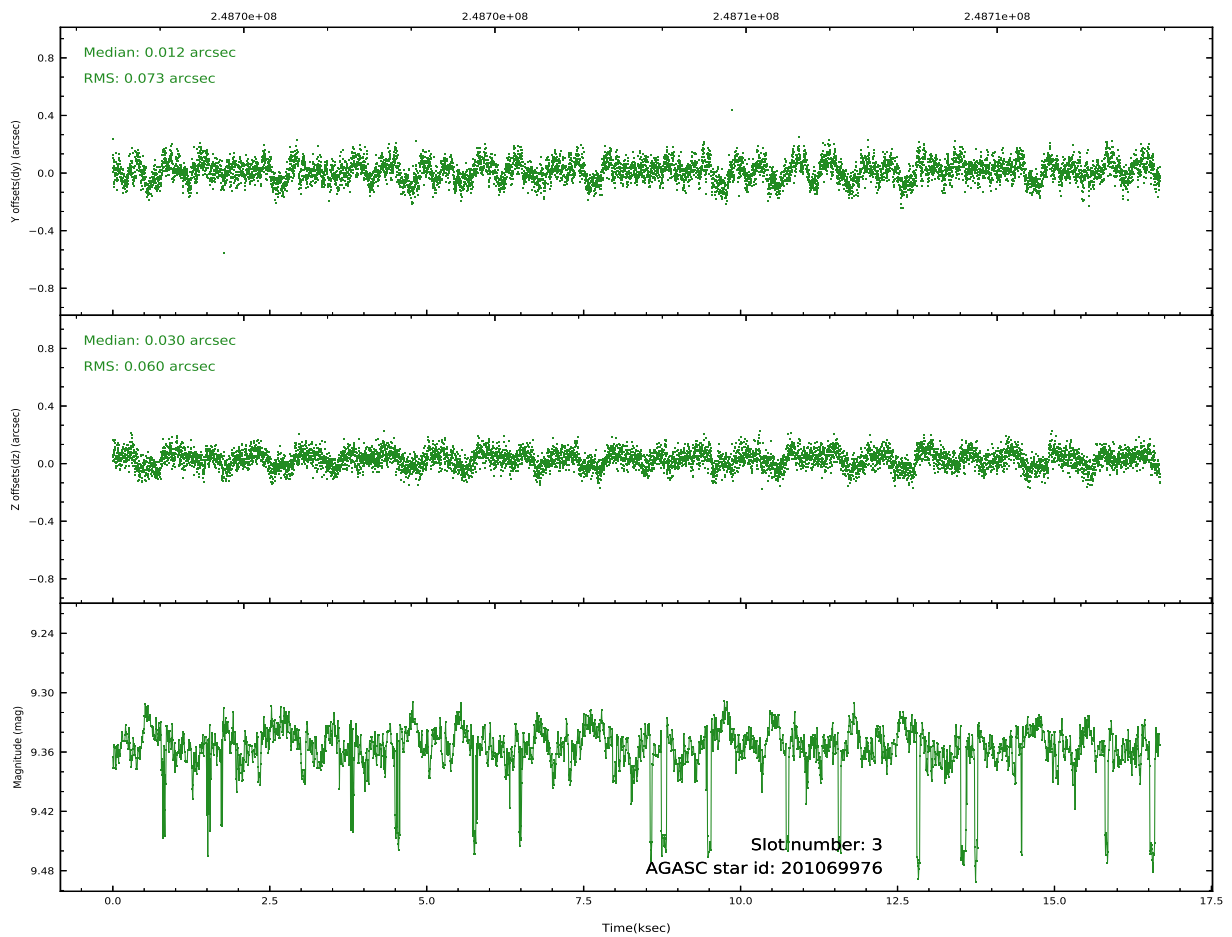
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2.4 Star Slots

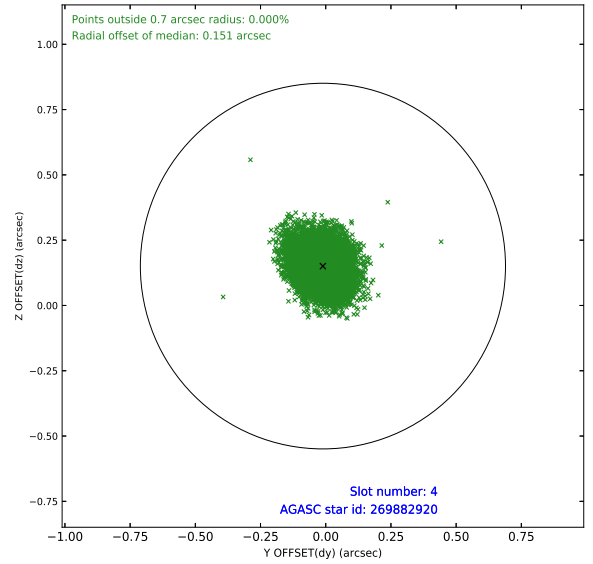
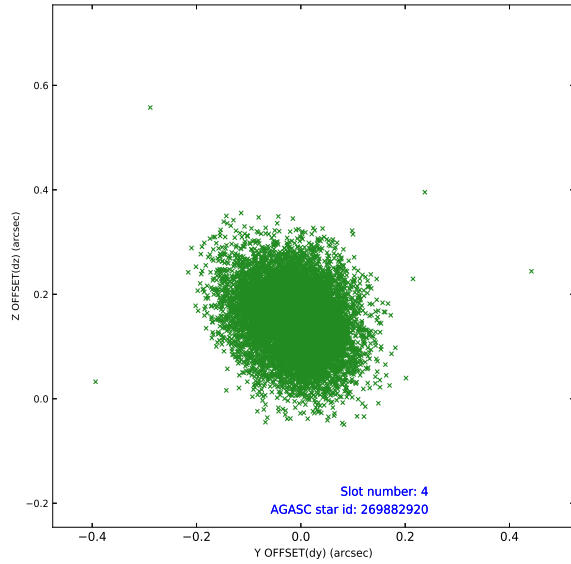
2.4.1 Slot 3



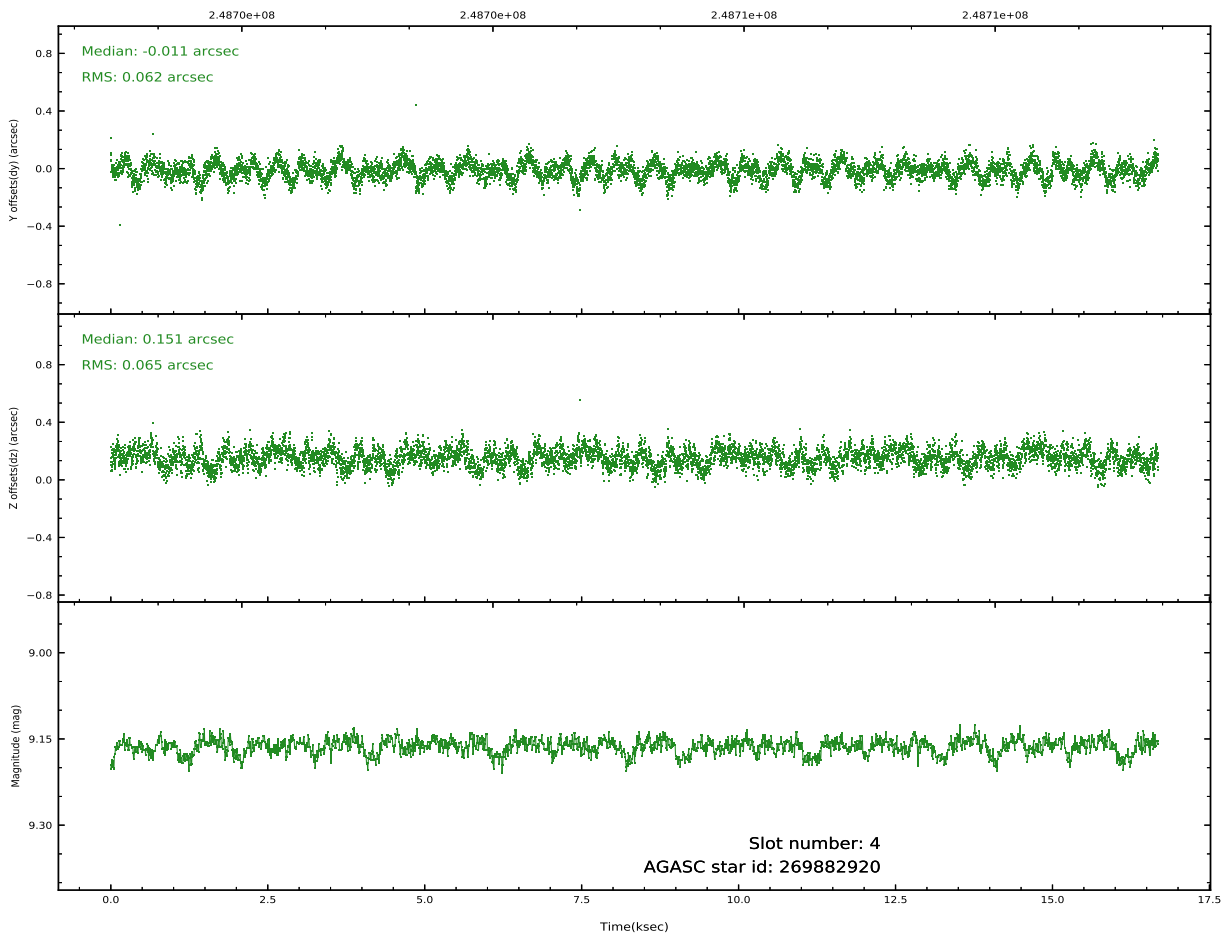
Time (s)



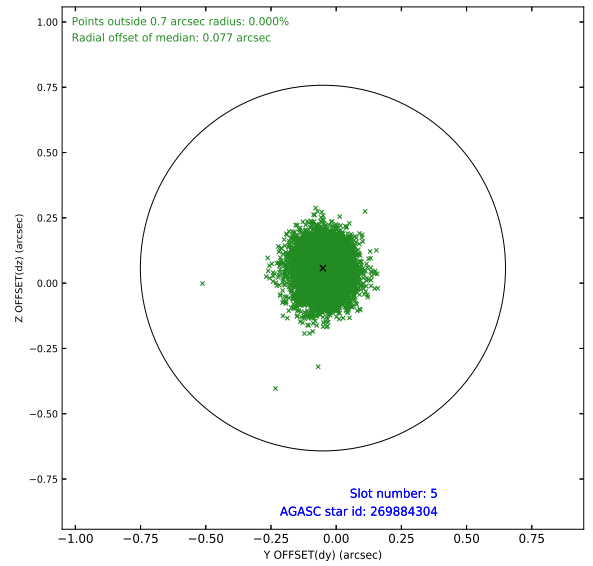
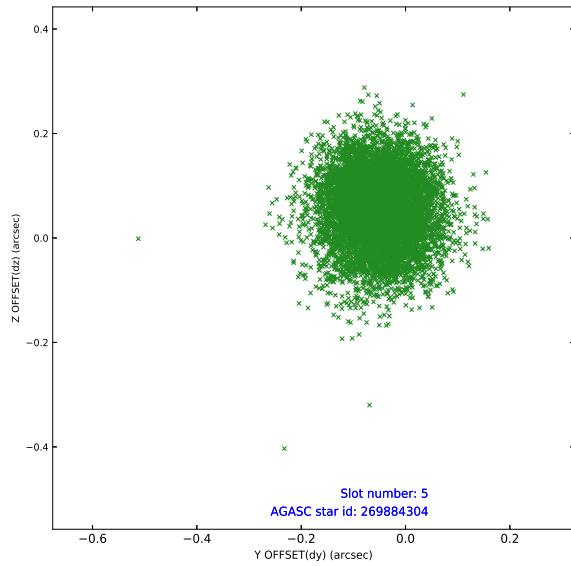
2.4.2 Slot 4



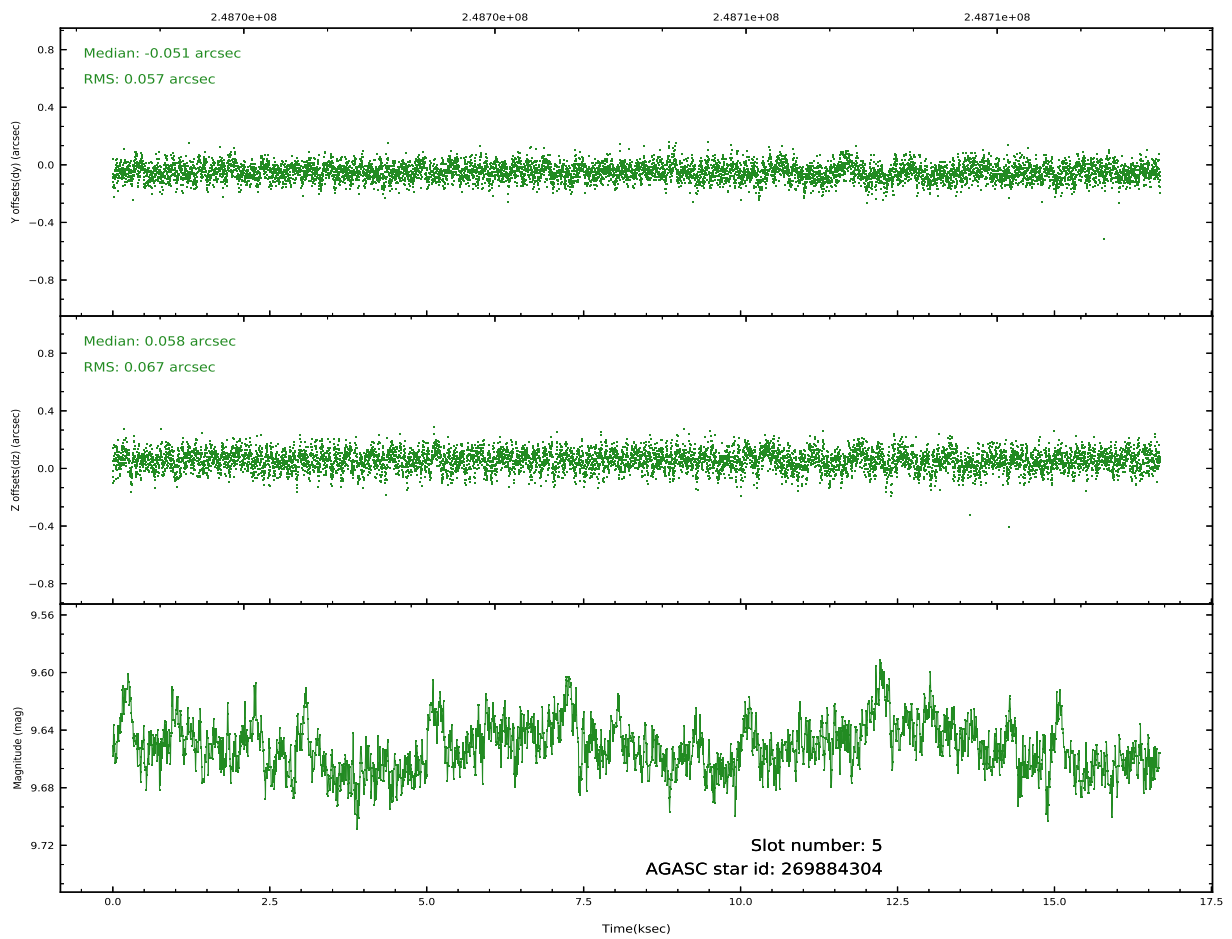
Time (s)



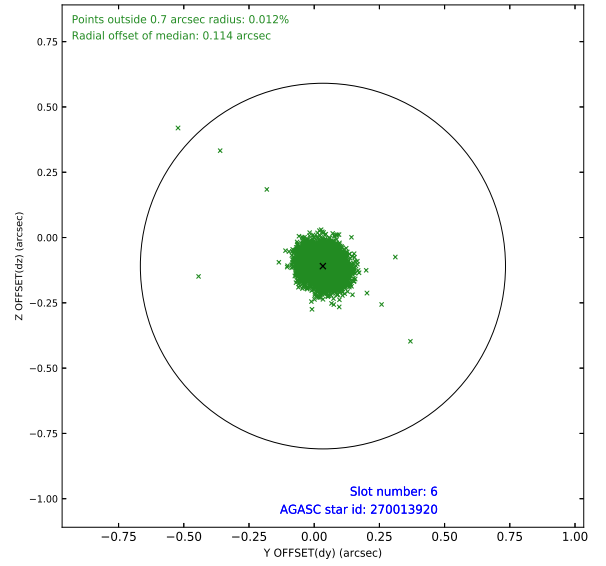
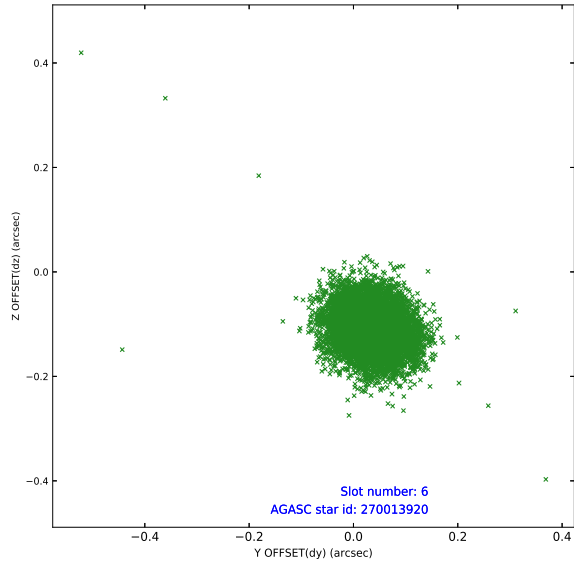
2.4.3 Slot 5



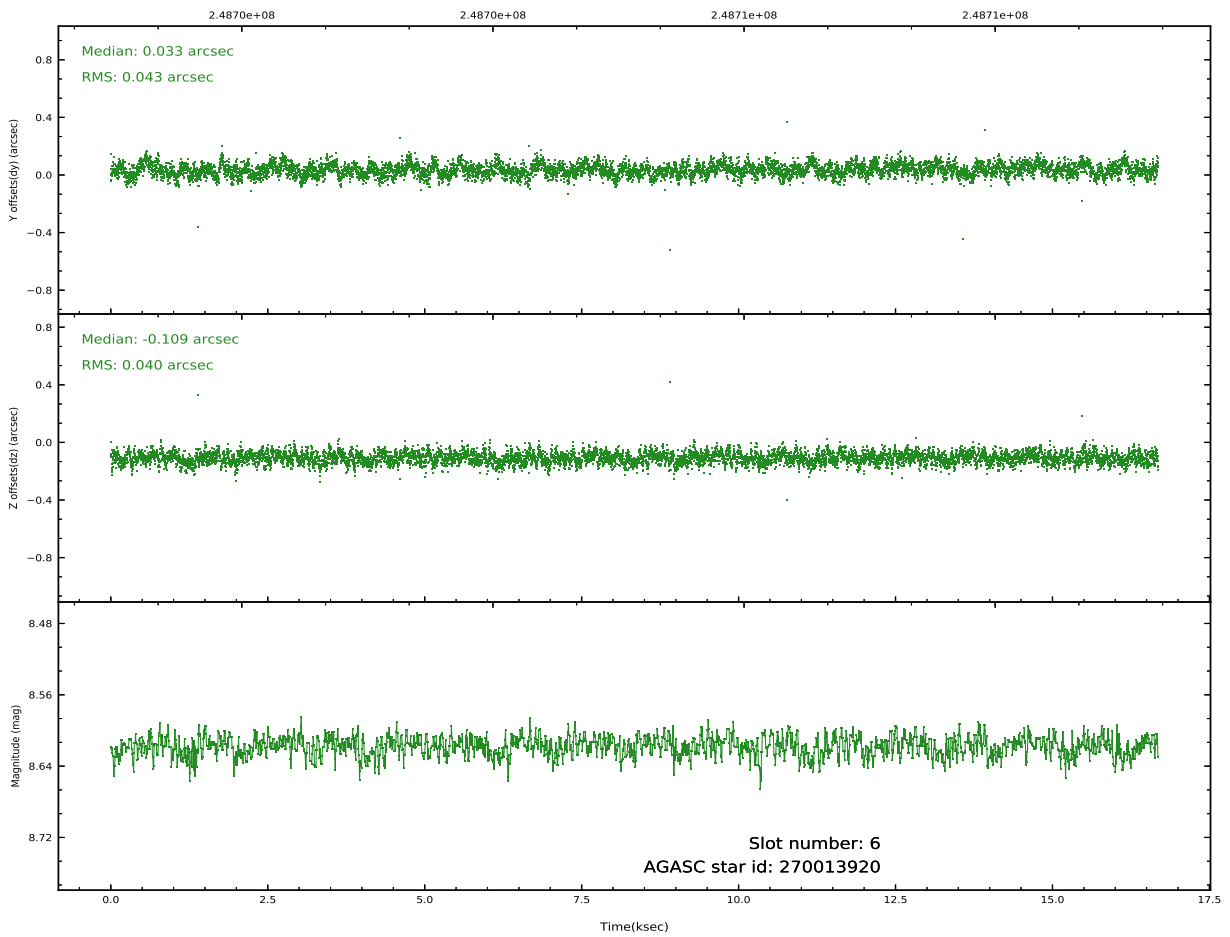
Time (s)



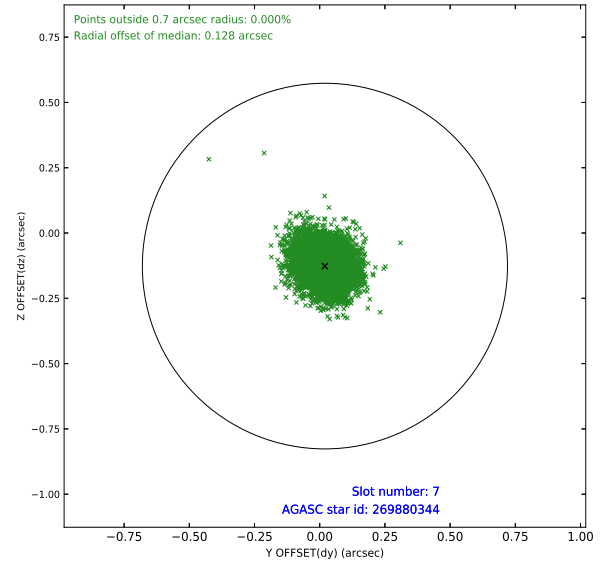
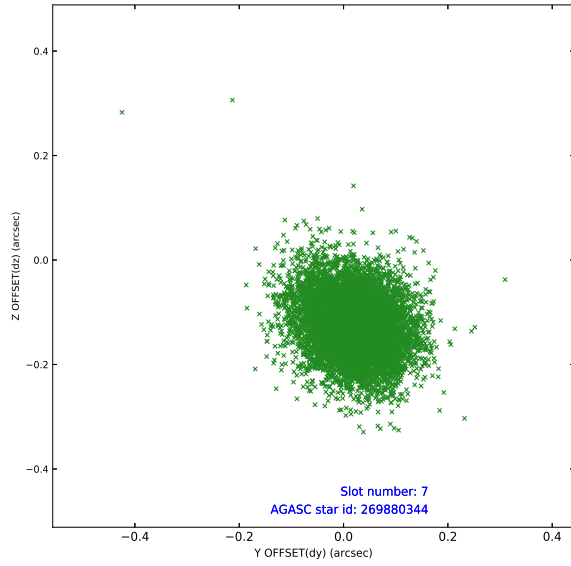
2.4.4 Slot 6



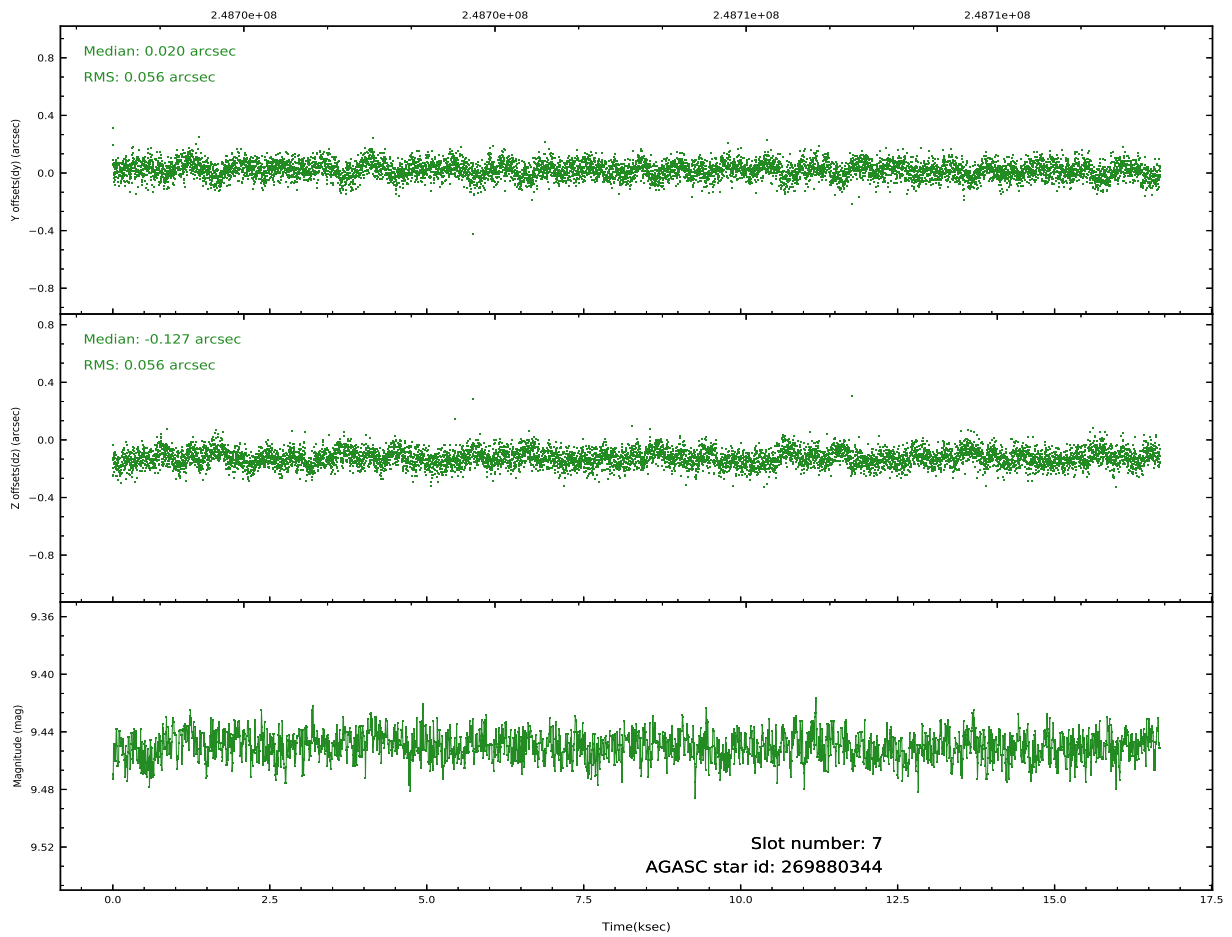
Time (s)



2.4.5 Slot 7

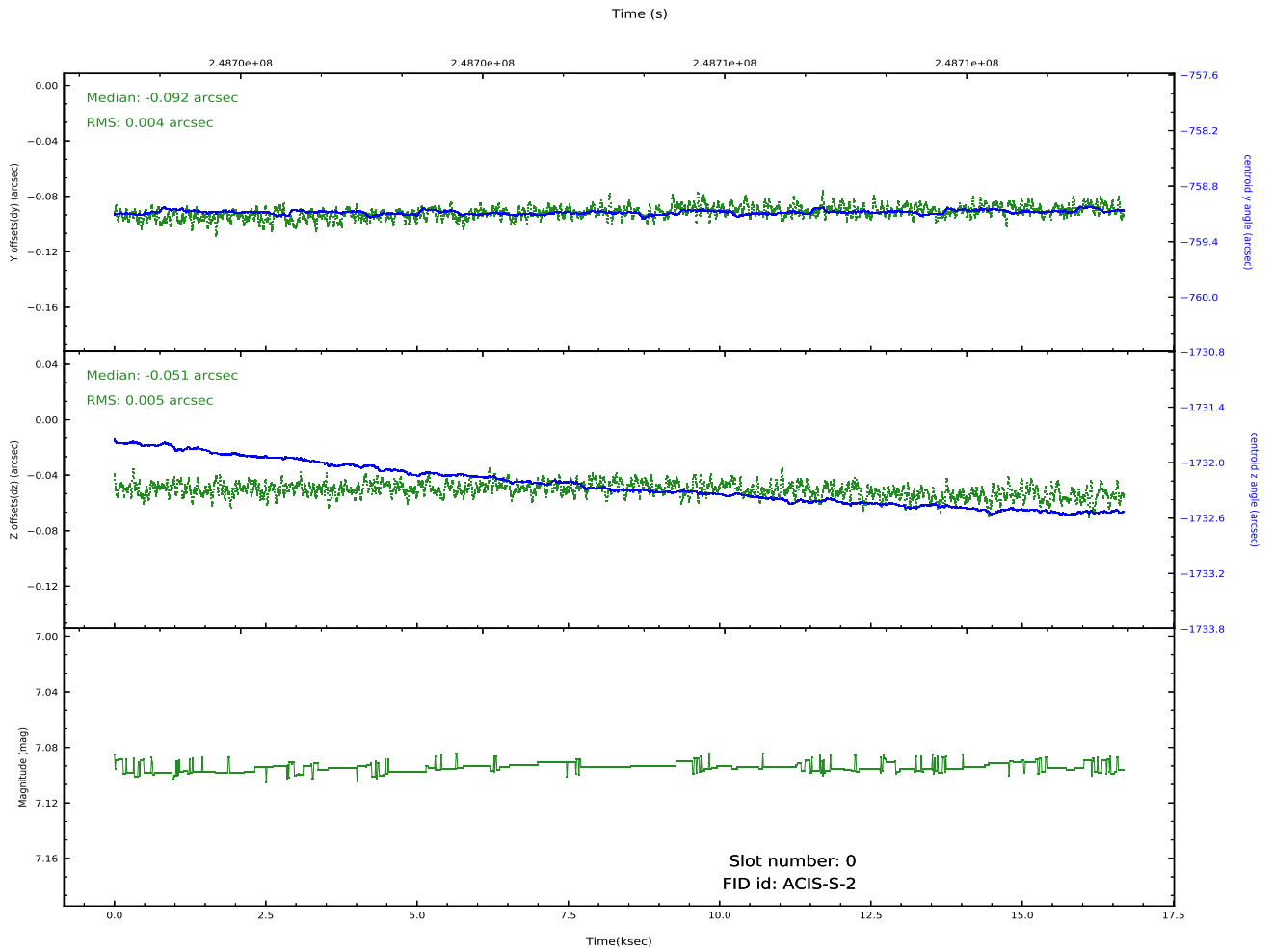
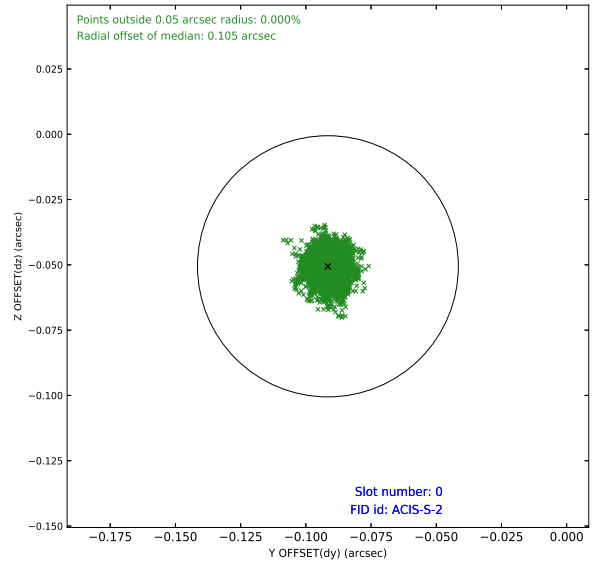
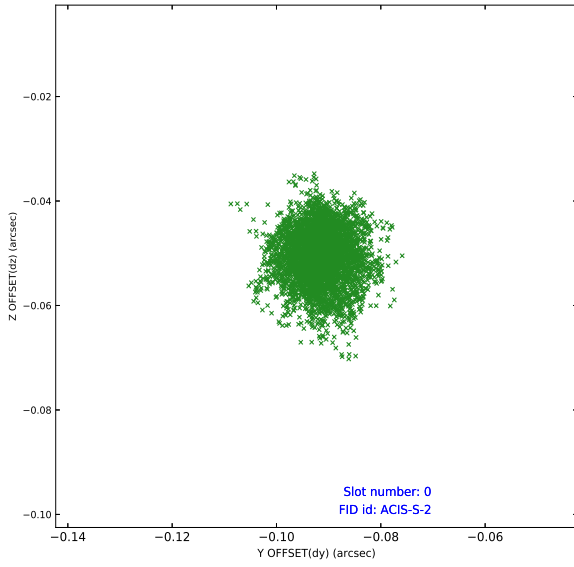


Time (s)

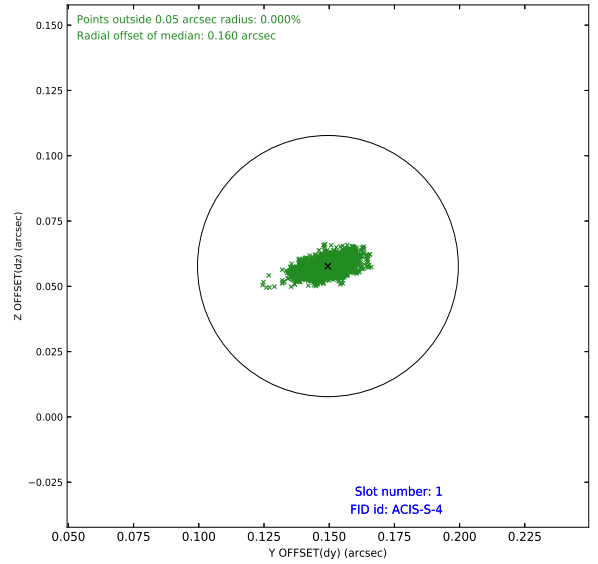
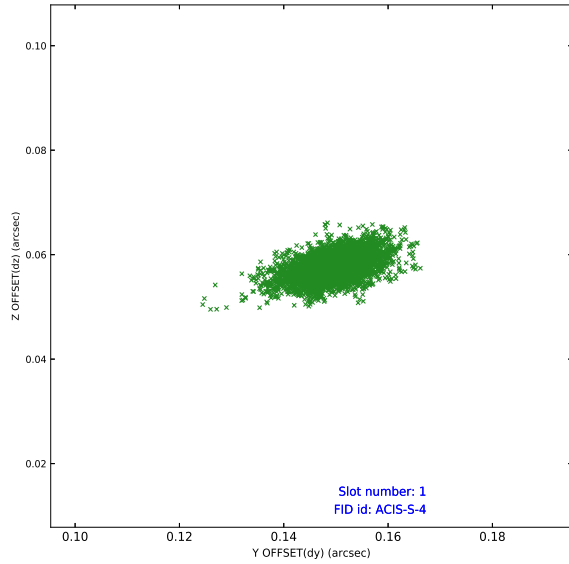


2.5 FID Slots

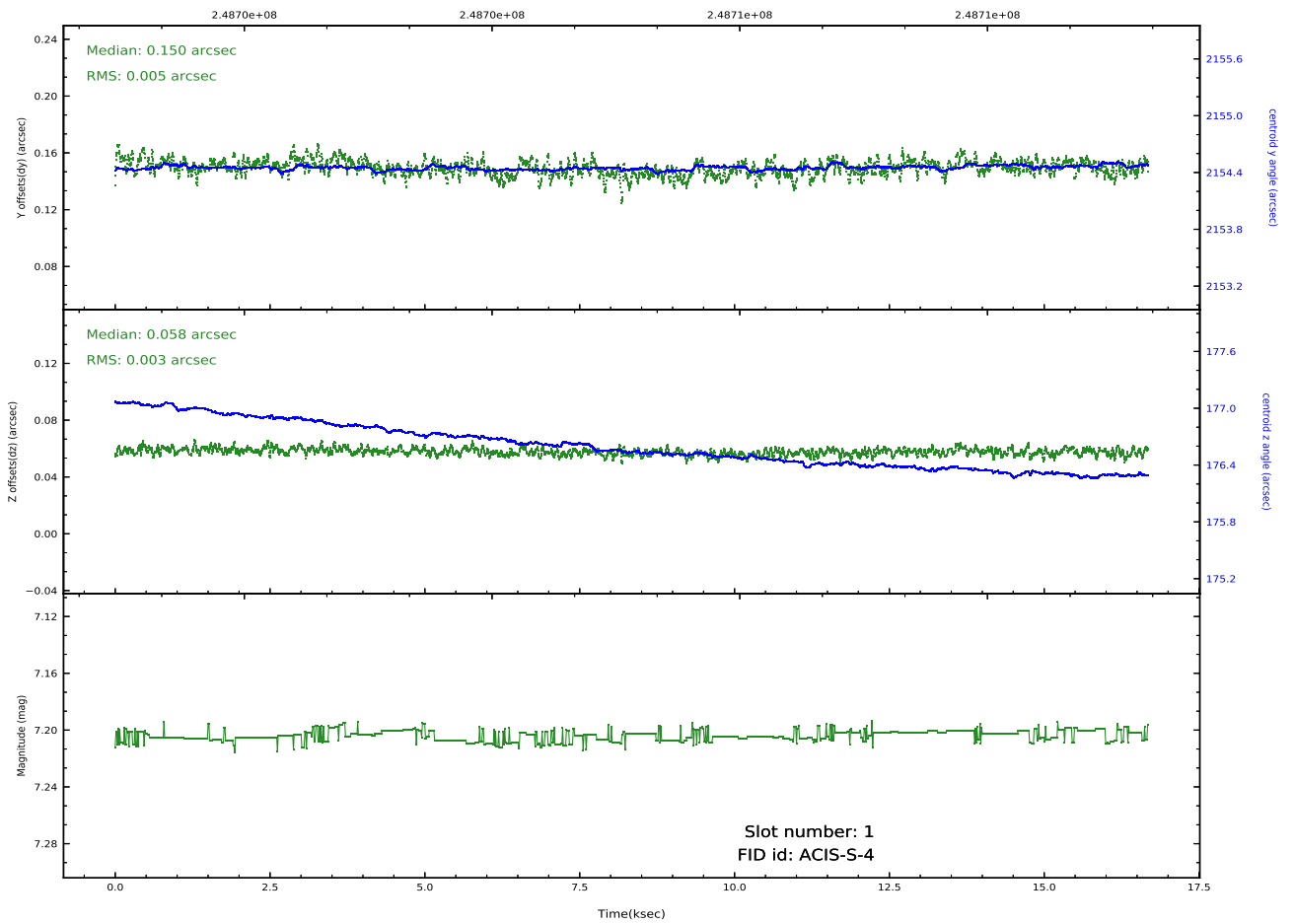
2.5.1 Slot 0



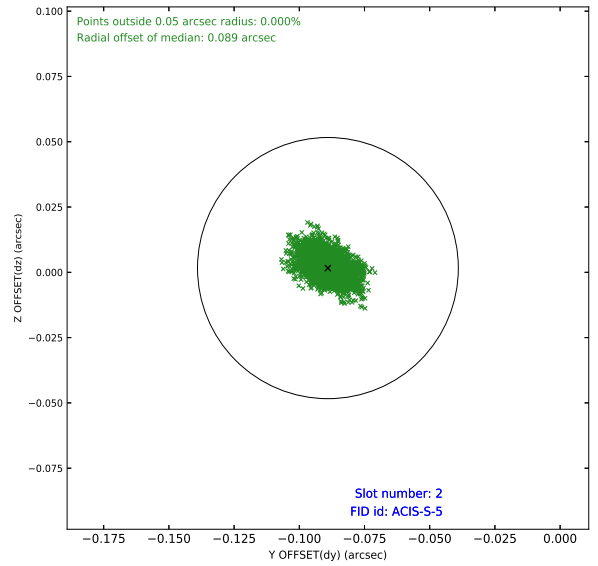
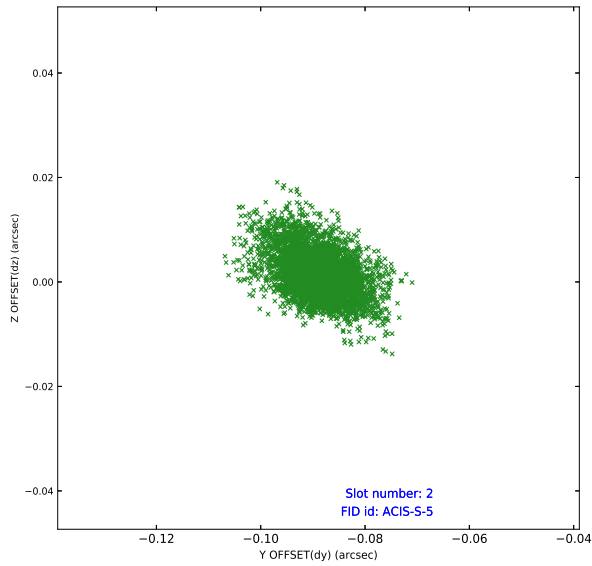
2.5.2 Slot 1



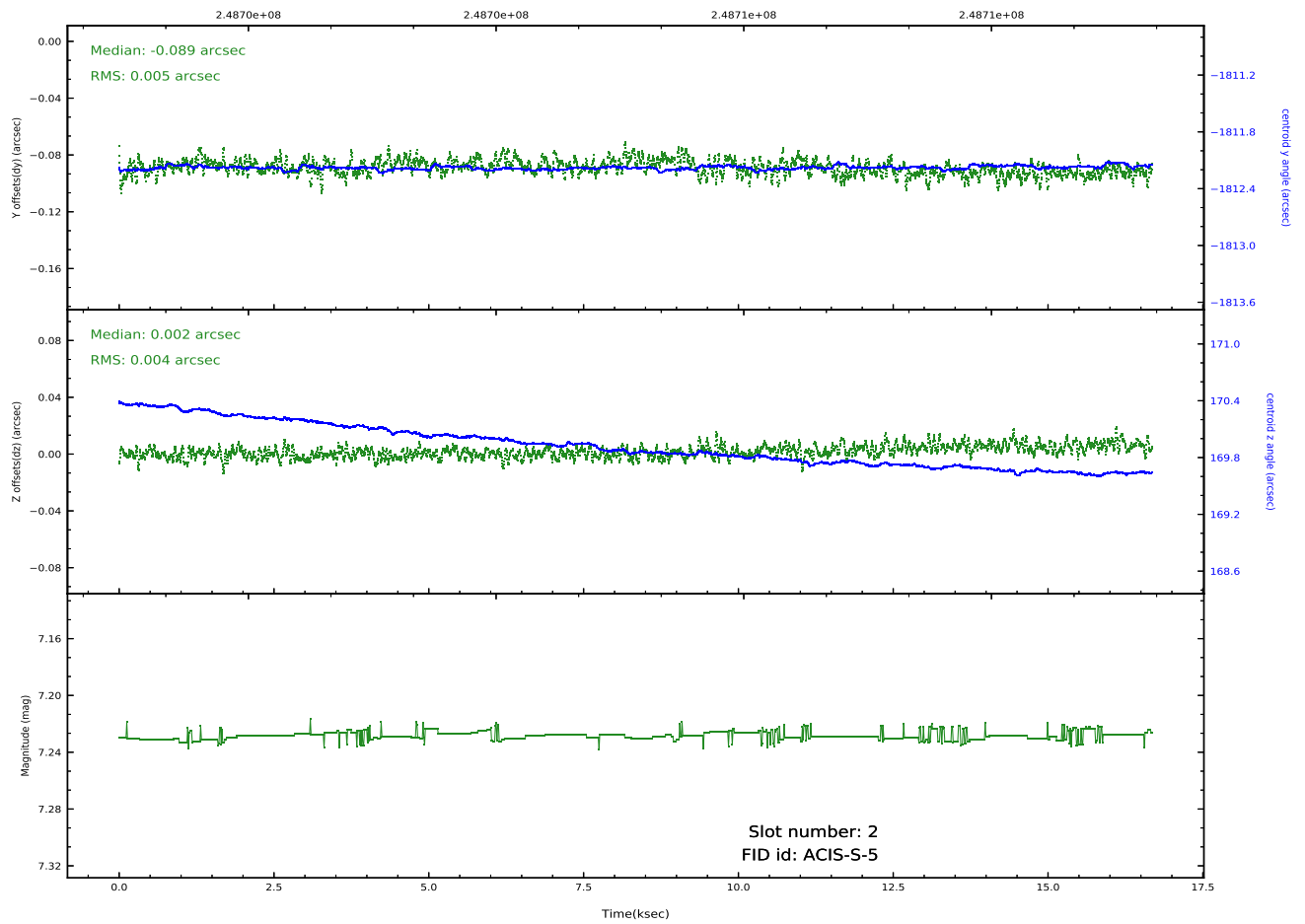
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.682

A.2 Comments