

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5359 - L2 Version 4
Chandra X-Ray Center

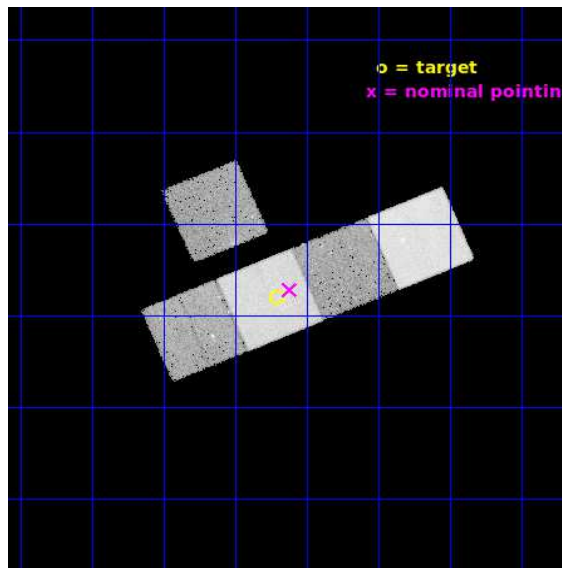
L2 Processing Date : Sep 29 2020

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1 Front

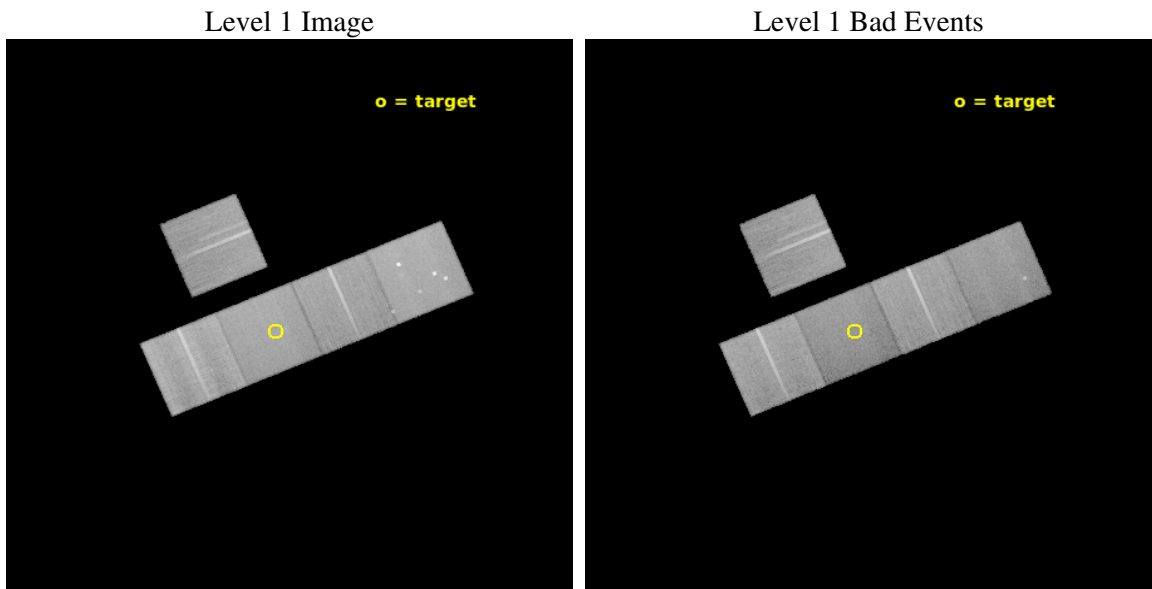
seq_num	800388	Sequence number
obs_id	5359	Observation id
title	Continuation of a Chandra Survey of a Uniformly Selected Sample of High-Redshift Galaxy Clusters	Proposal title
observer	Gordon Garmire	Principal investigator
object	RCS J2156.7-0448	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.177917	Observer's specified target RA [deg]
dec_targ	-4.801167	Observer's specified target Dec [deg]
ra_nom	329.15478514169	Nominal RA [deg]
dec_nom	-4.7864214067504	Nominal Dec [deg]
roll_nom	156.95372763728	Nominal Roll [deg]
revision	4	Processing version of data
ontime	35160.199932367	Sum of GTIs [s]
livetime	34700.806035688	Livetime [s]
ontime3	35160.199932367	Sum of GTIs [s]
ontime5	35160.199932367	Sum of GTIs [s]
ontime6	35160.199932367	Sum of GTIs [s]
ontime7	35160.199932367	Sum of GTIs [s]
ontime8	35147.635991484	Sum of GTIs [s]
l2events	303320	Number of level 2 events



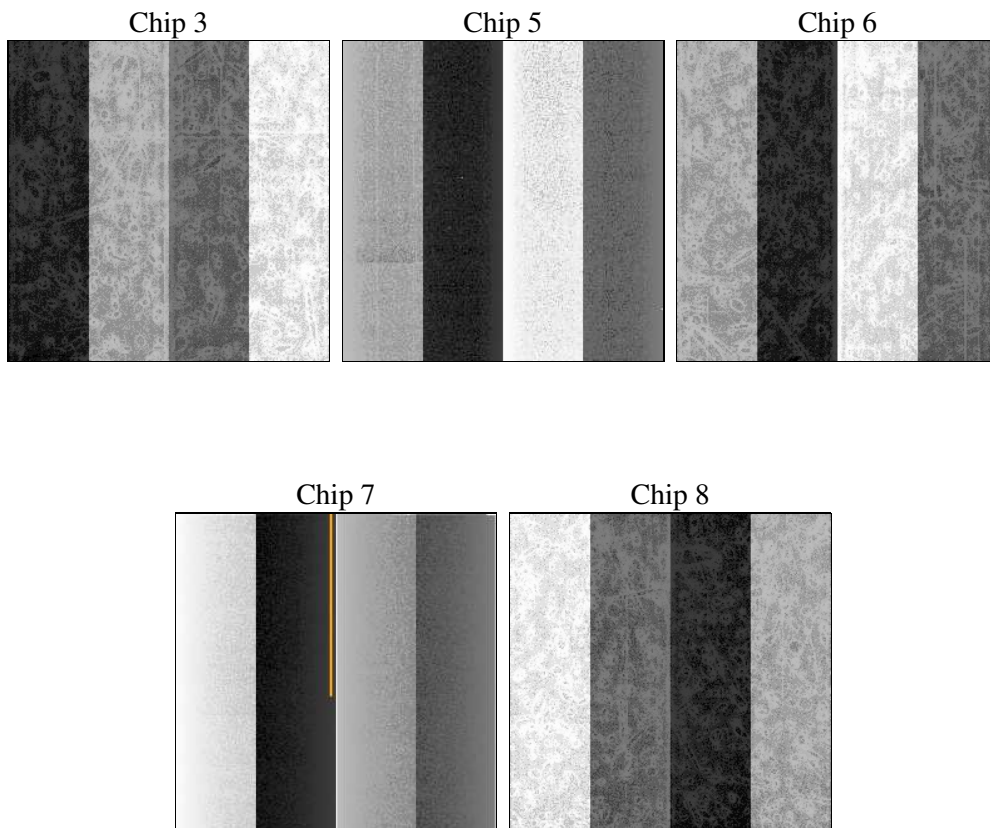
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	35160.199932367	Sum of GTIs [s]
caldbver	4.9.2	 	ontime3	35160.199932367	Sum of GTIs [s]
date	2020-09-29T07:02:40	Date and time of file creation	ontime5	35160.199932367	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	35160.199932367	Sum of GTIs [s]
			ontime7	35160.199932367	Sum of GTIs [s]
			ontime8	35147.635991484	Sum of GTIs [s]
			l1events	1330356	Number of level 1 events

2.1.4 Events

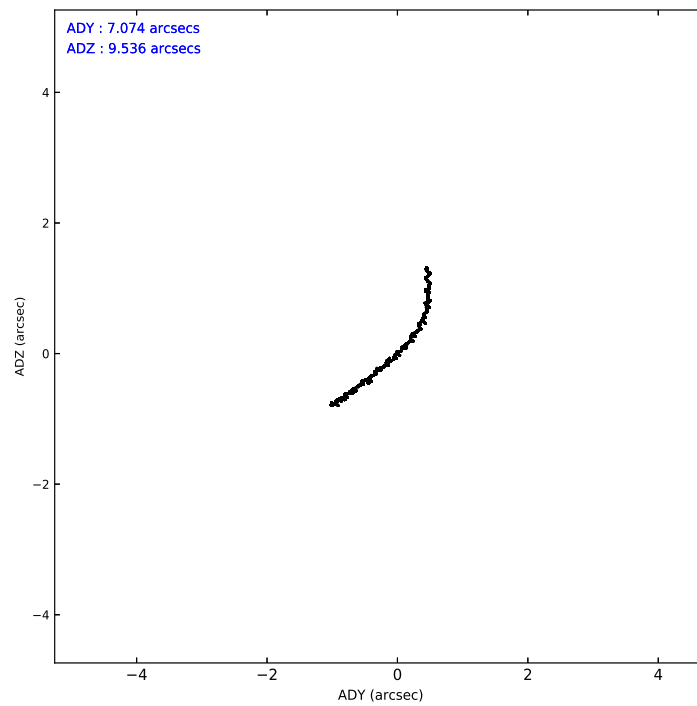
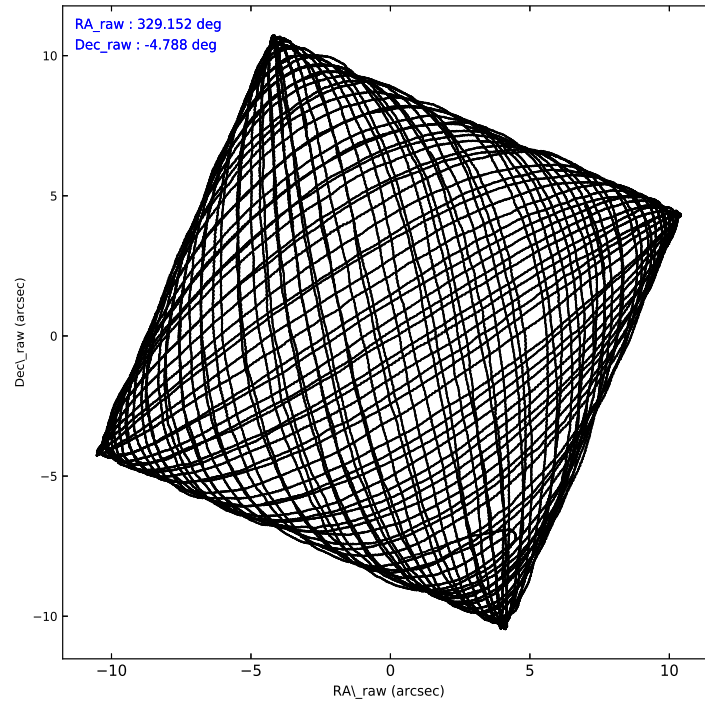
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	224507	315454	236876	247472	306047
rejected events	203770	158989	213716	139125	223773
rejected %	90%	50%	90%	56%	73%

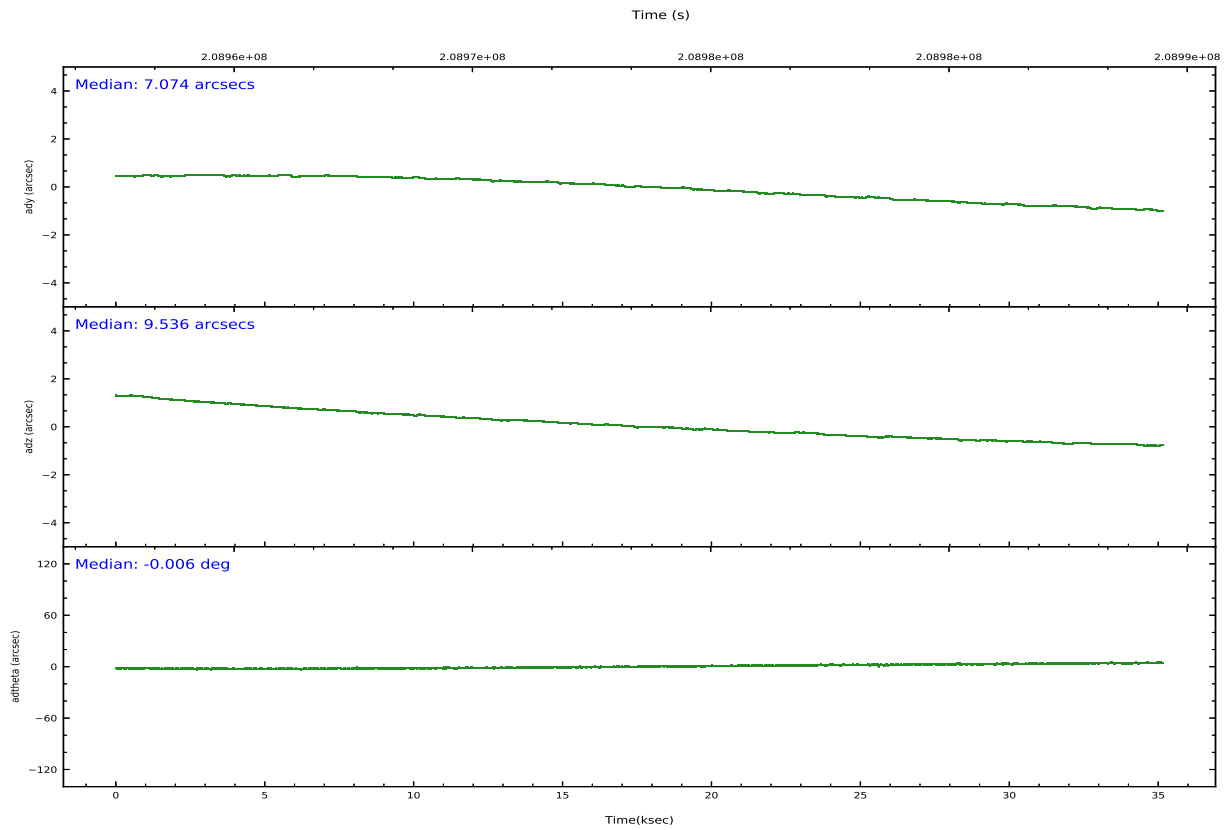
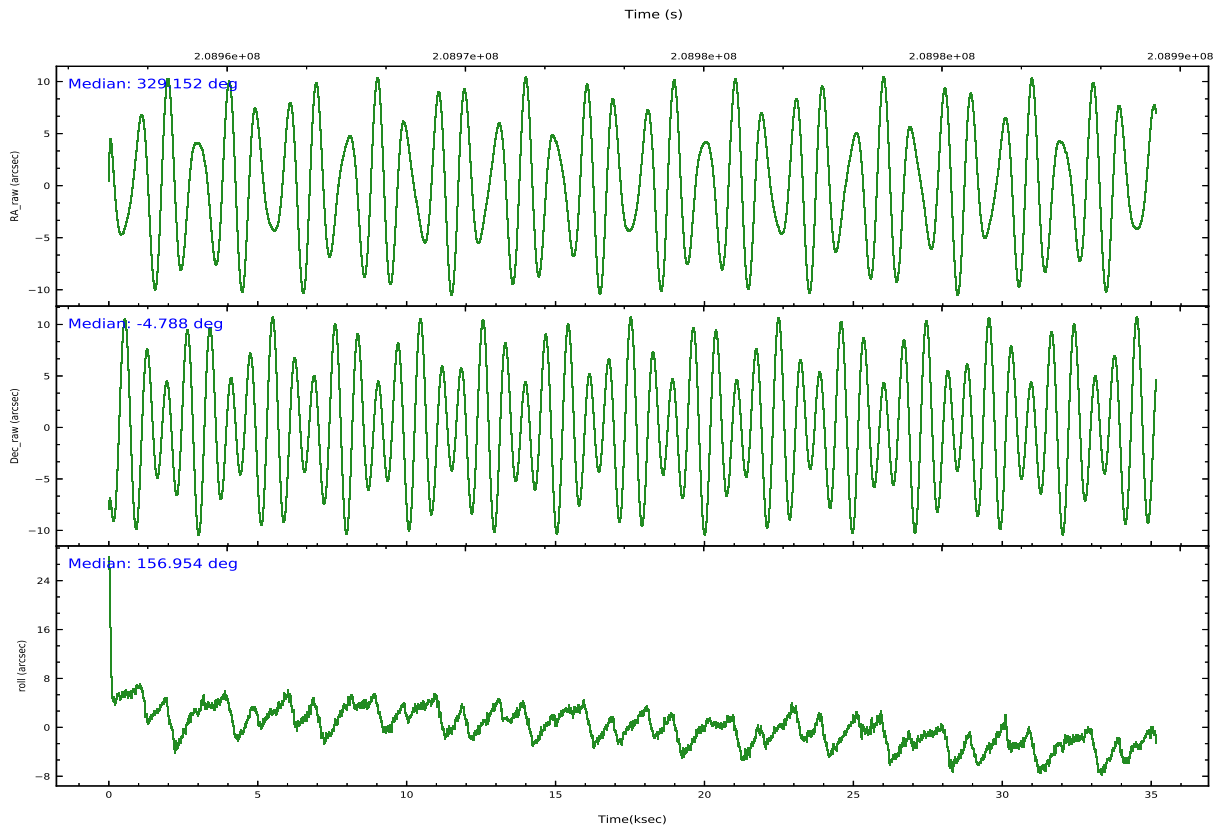
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7792	23737	8464	9999	27514
	3%	7%	3%	4%	8%
grade 1 events	119	303	103	220	286
	0%	0%	0%	0%	0%
grade 2 events	4499	44957	5163	22150	15521
	2%	14%	2%	8%	5%
grade 3 events	2435	7182	2651	10746	11510
	1%	2%	1%	4%	3%
grade 4 events	2411	6895	2609	10509	10508
	1%	2%	1%	4%	3%
grade 5 events	8702	24884	8978	26332	12912
	3%	7%	3%	10%	4%
grade 6 events	4166	78041	4898	57896	19444
	1%	24%	2%	23%	6%
grade 7 events	194383	129455	204010	109620	208352
	86%	41%	86%	44%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-35678	ACIS-35678	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	329.178882	329.15478514169	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.784535	-4.7864214067504	Alternating exposures requested	N	N
[deg] Pointing Roll	156.802873	156.95372763728	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	208956191.184000	208954718.36341			
Observation start date	2004-08-15T11:22:07	2004-08-15T10:58:38			
[s] Observation end time (MET)	208991191.184000	208992432.72759			
Observation end date	2004-08-15T21:05:27	2004-08-15T21:27:12			
Read mode	TIMED	TIMED			

2.3 Aspect





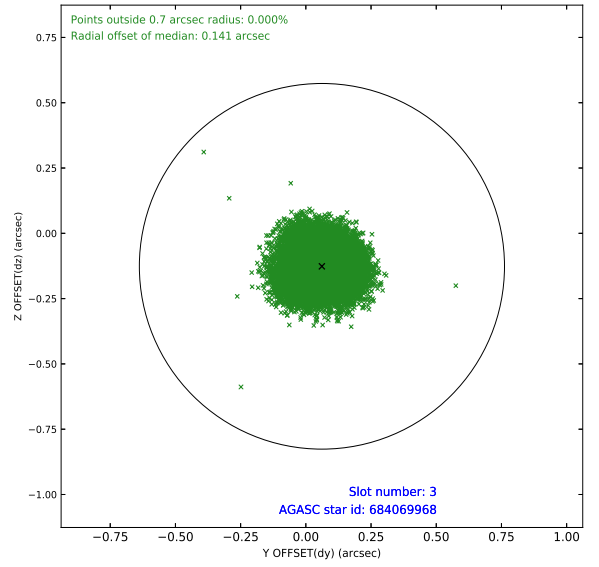
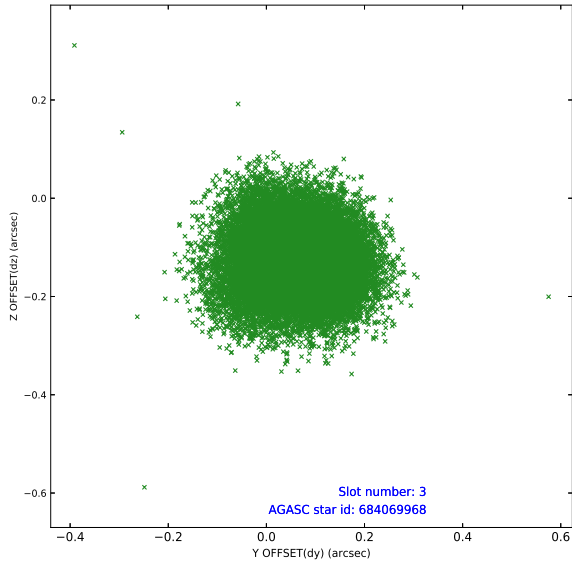
Slot Statistics

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	8576	1.000	-0.077	-0.070	0.014	0.023	0.000000	0.000000	-759.78	-1730
1	FID		ACIS-S-4	7.20	8577	1.000	0.144	0.056	0.009	0.015	0.000000	0.000000	2153.65	177
2	FID		ACIS-S-5	7.23	8576	1.000	-0.099	0.023	0.012	0.018	0.000000	0.000000	-1812.64	171
3	GUIDE	used	684069968	9.35	17148	1.000	0.062	-0.126	0.114	0.173	329.097555	-5.451643	-678.23	2322
4	GUIDE	used	684071968	8.44	17147	1.000	-0.111	0.112	0.063	0.102	328.900116	-4.224267	1714.57	-1458
5	GUIDE	used	684072512	8.37	17150	1.000	0.016	0.014	0.066	0.105	329.504581	-5.204185	-1669.05	929
6	GUIDE	used	684072928	8.78	17137	1.000	0.069	-0.014	0.103	0.168	328.879561	-3.936284	2191.22	-2382
7	GUIDE	used	684072952	8.58	17145	1.000	-0.038	0.011	0.071	0.112	329.874004	-4.607653	-2041.96	-1567

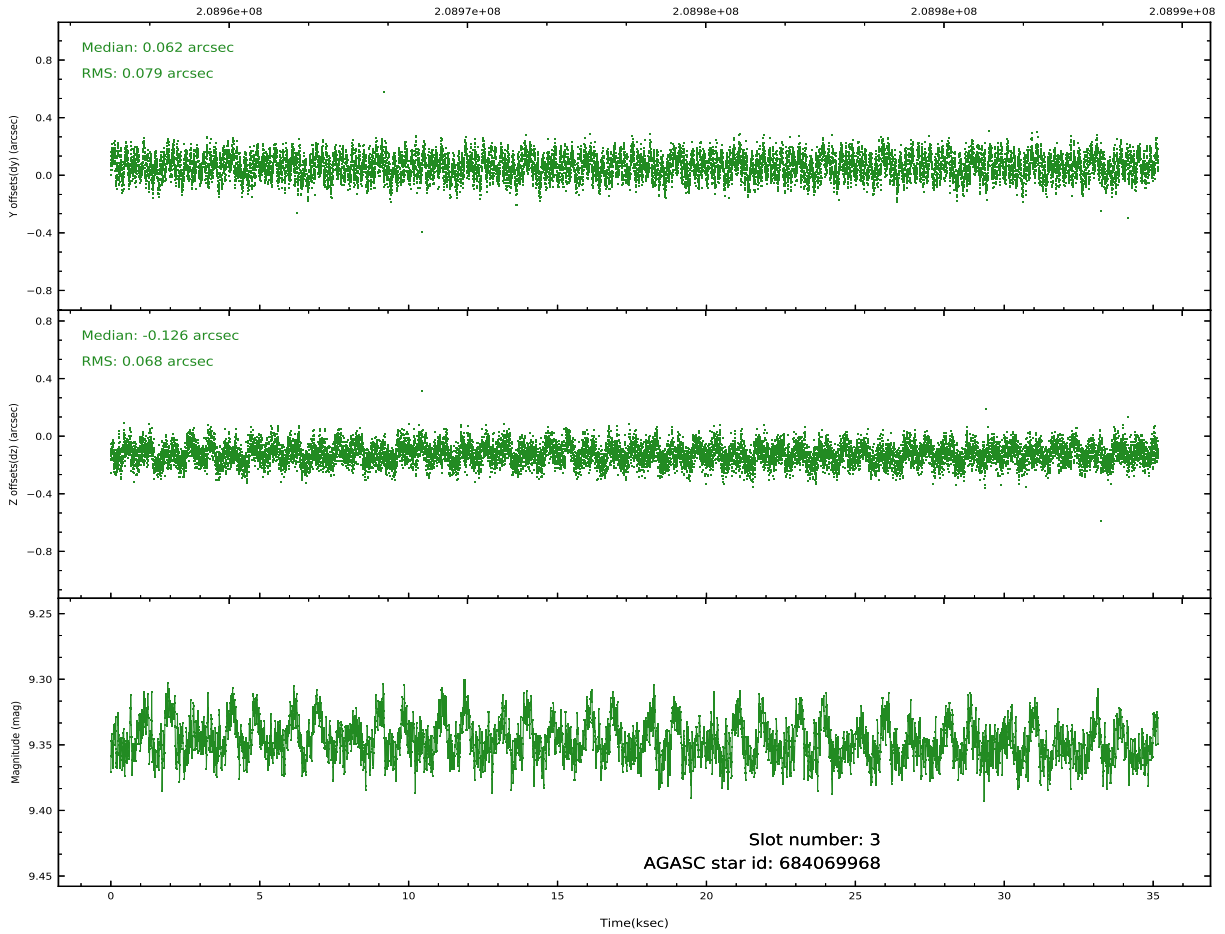
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2.4 Star Slots

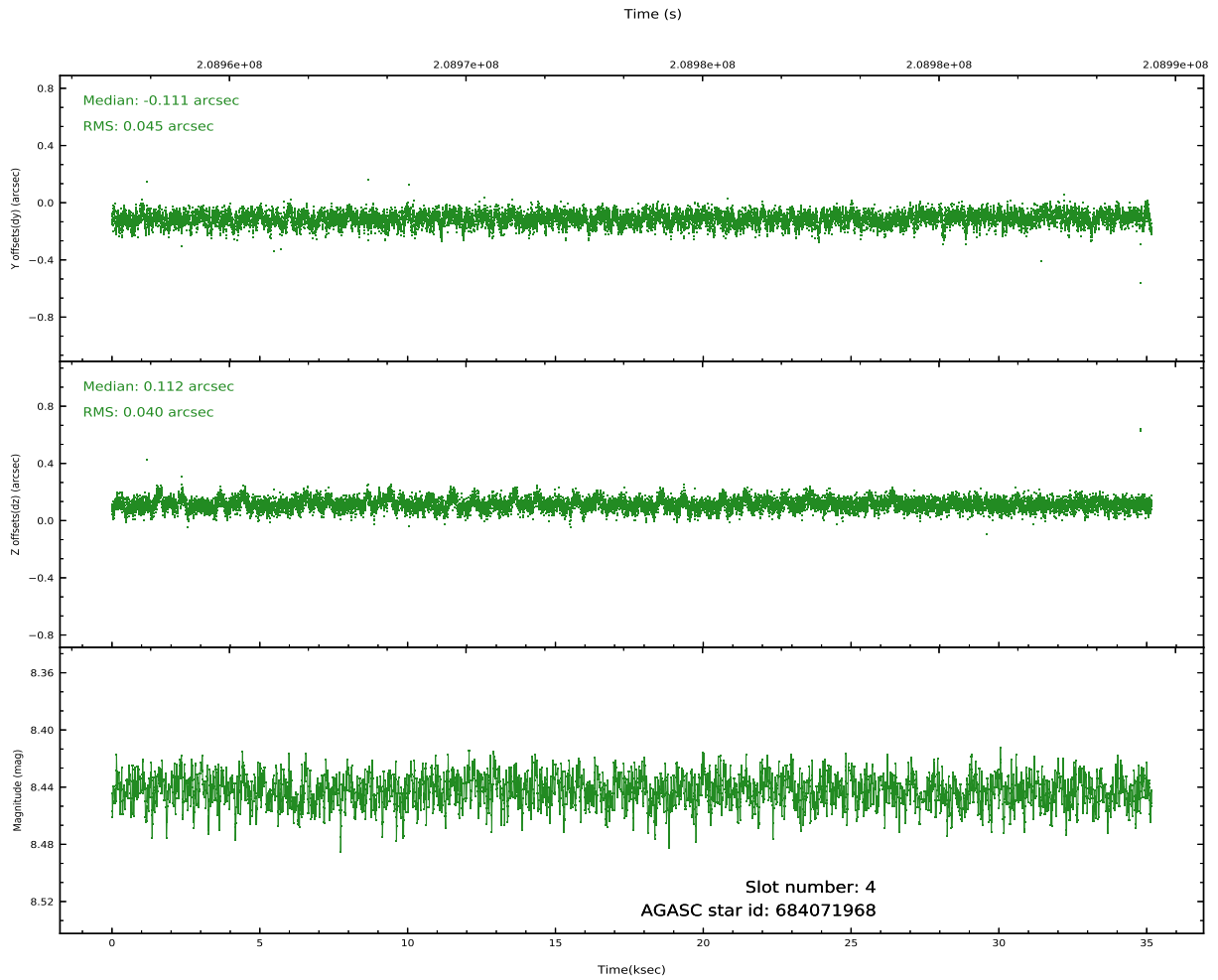
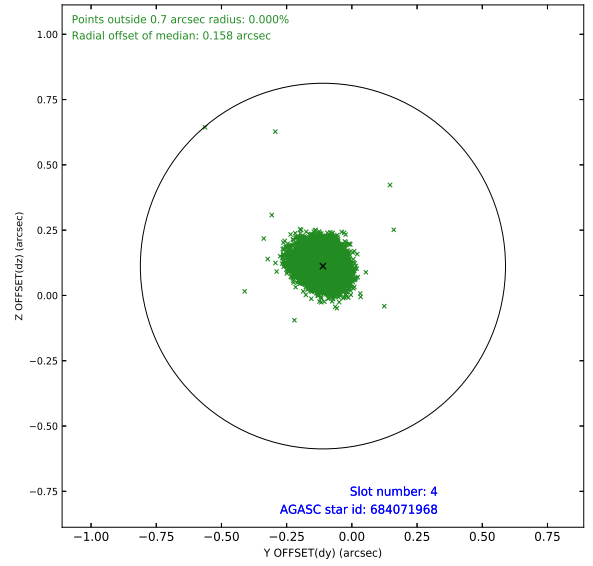
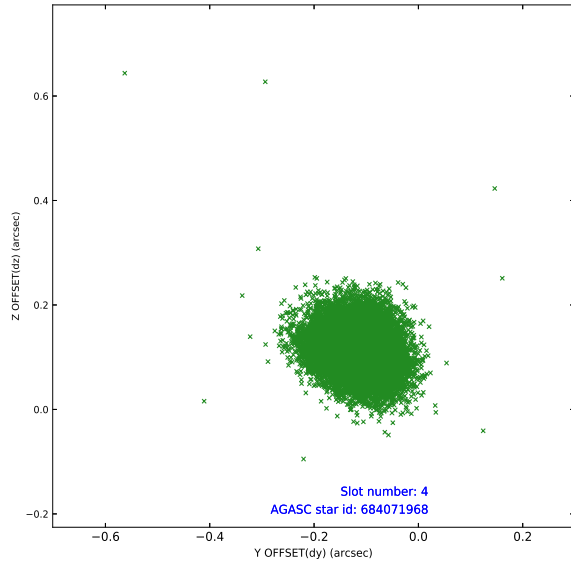
2.4.1 Slot 3



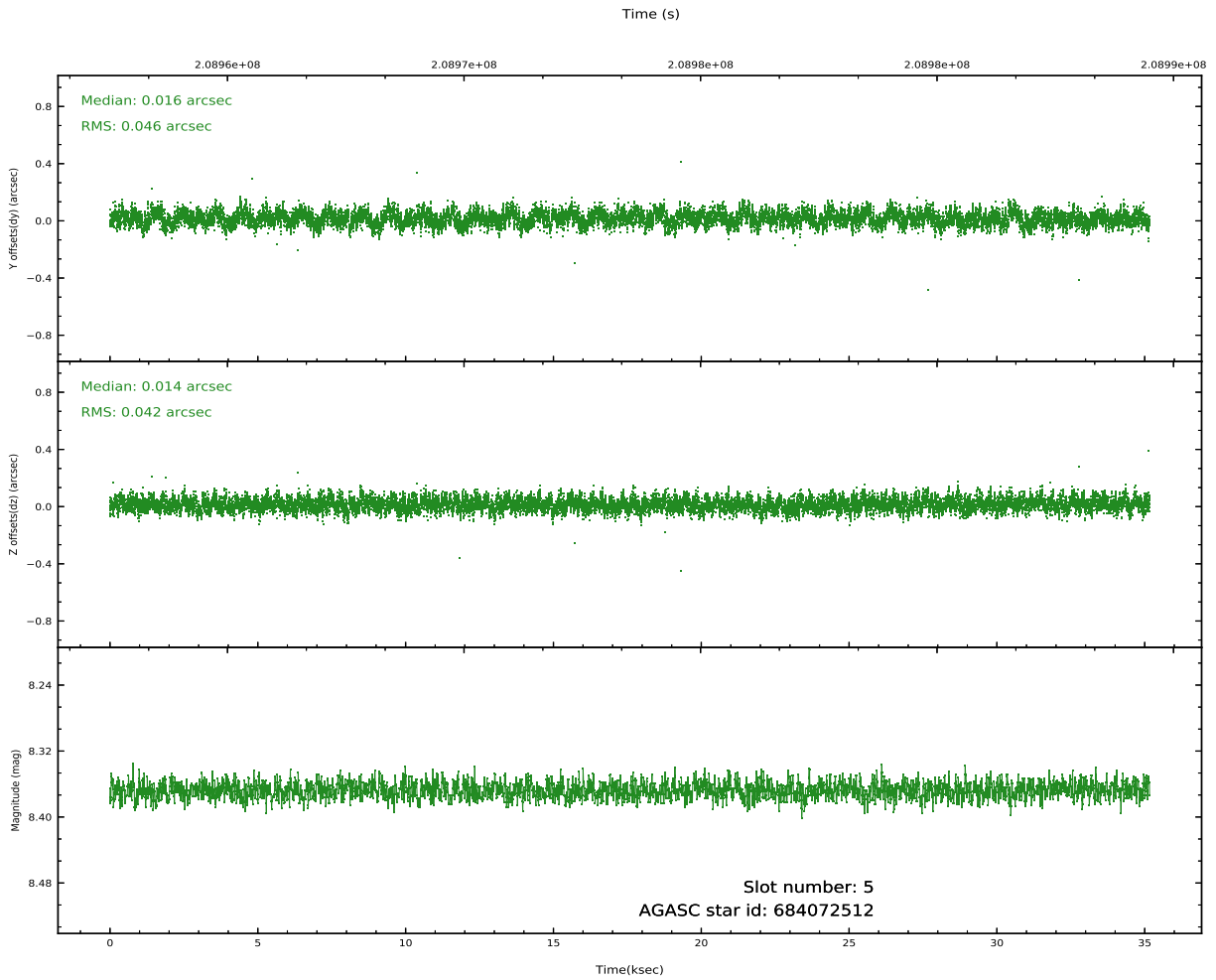
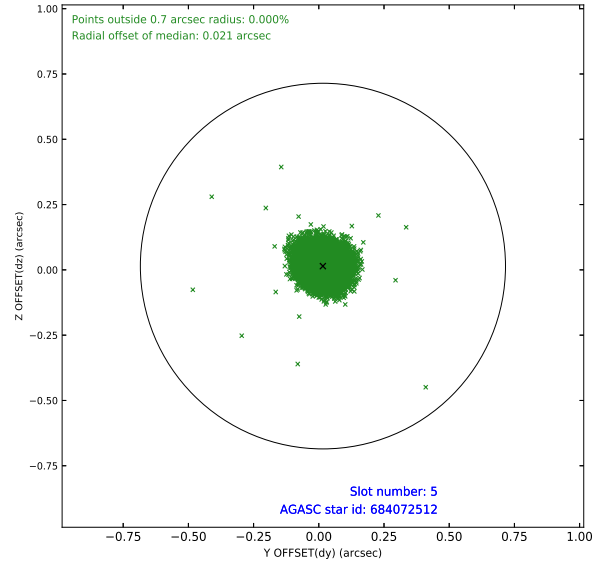
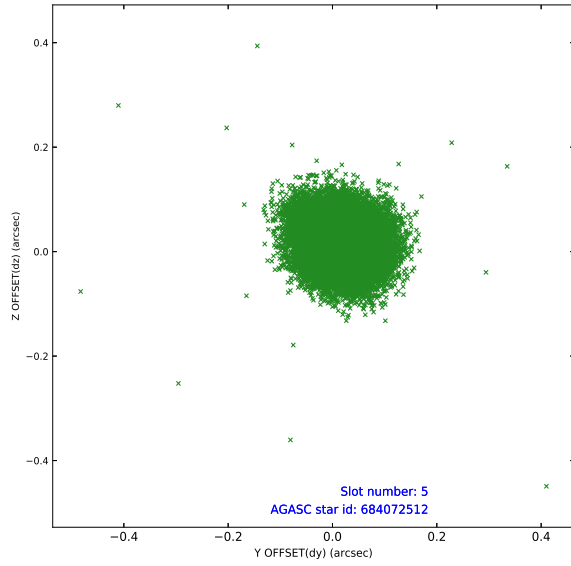
Time (s)



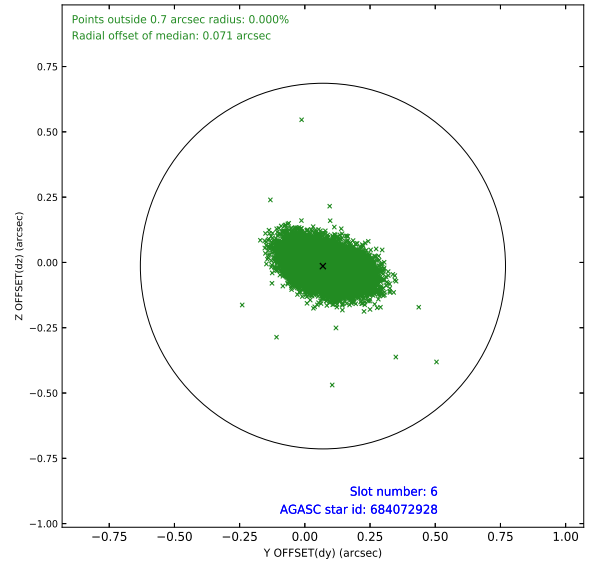
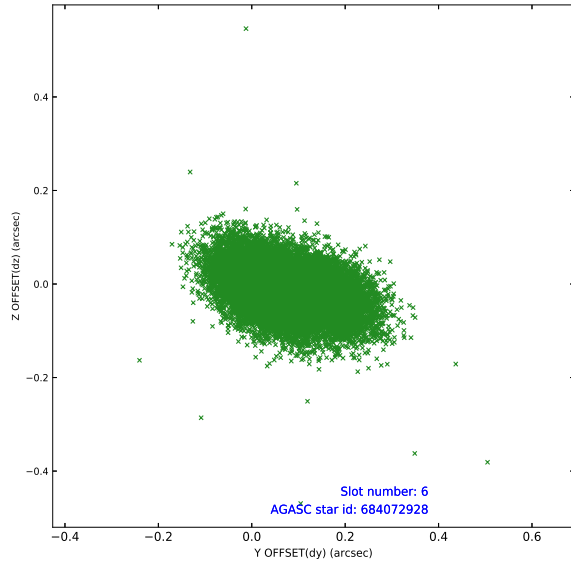
2.4.2 Slot 4



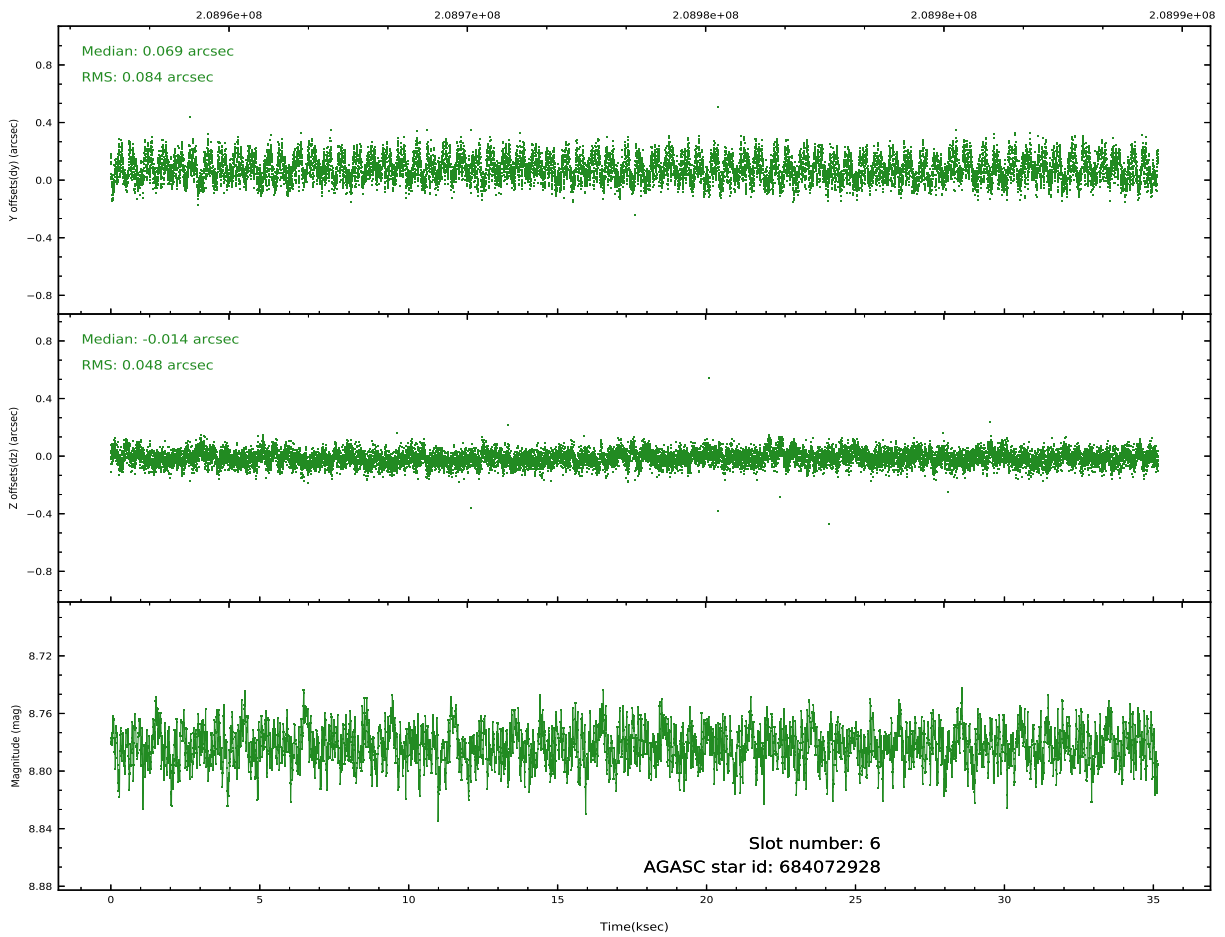
2.4.3 Slot 5



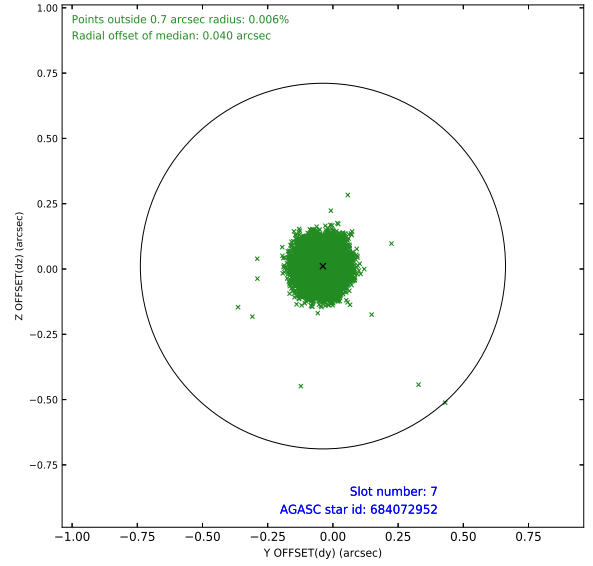
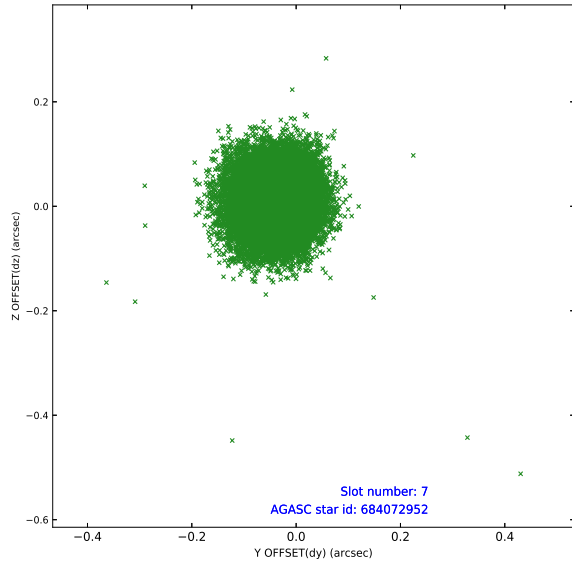
2.4.4 Slot 6



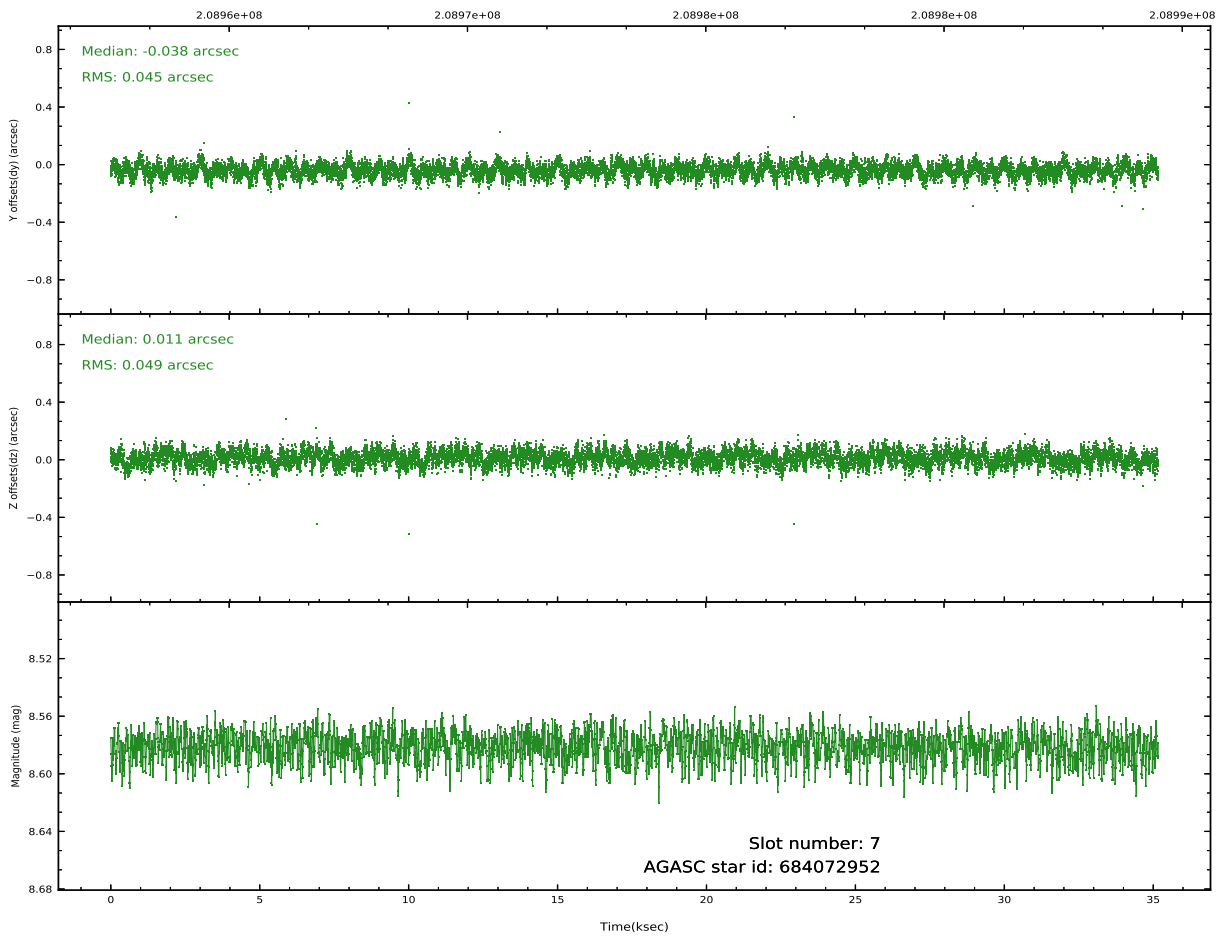
Time (s)



2.4.5 Slot 7

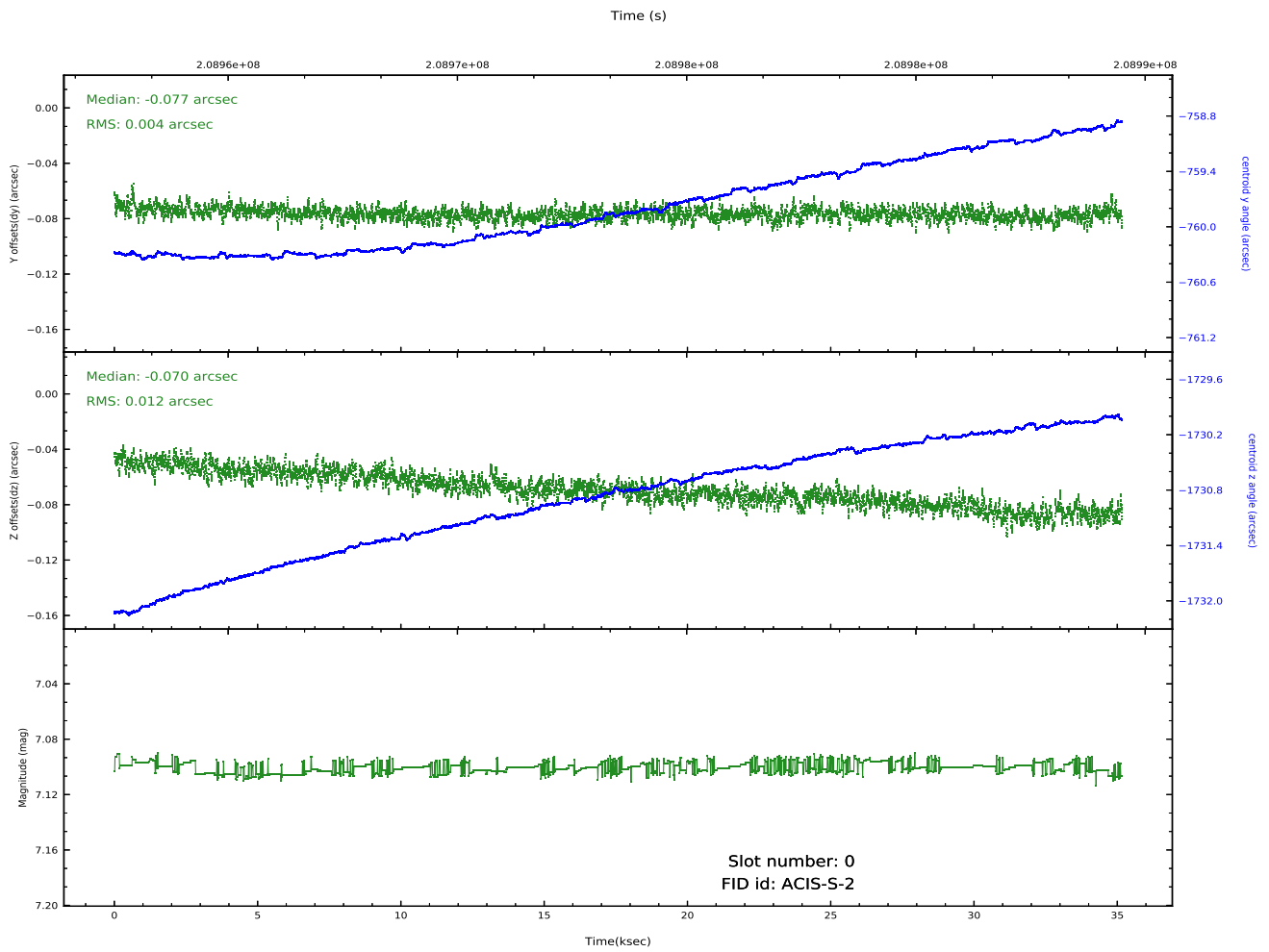
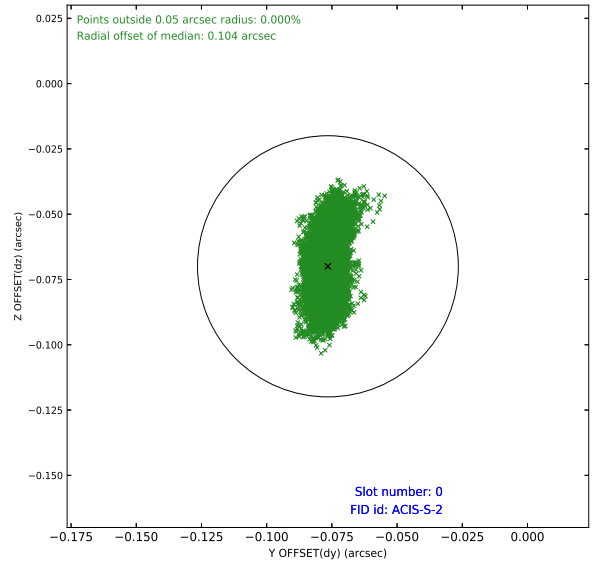
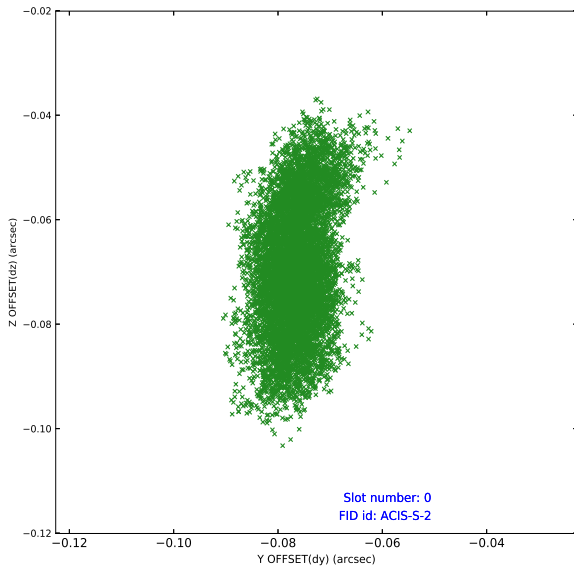


Time (s)

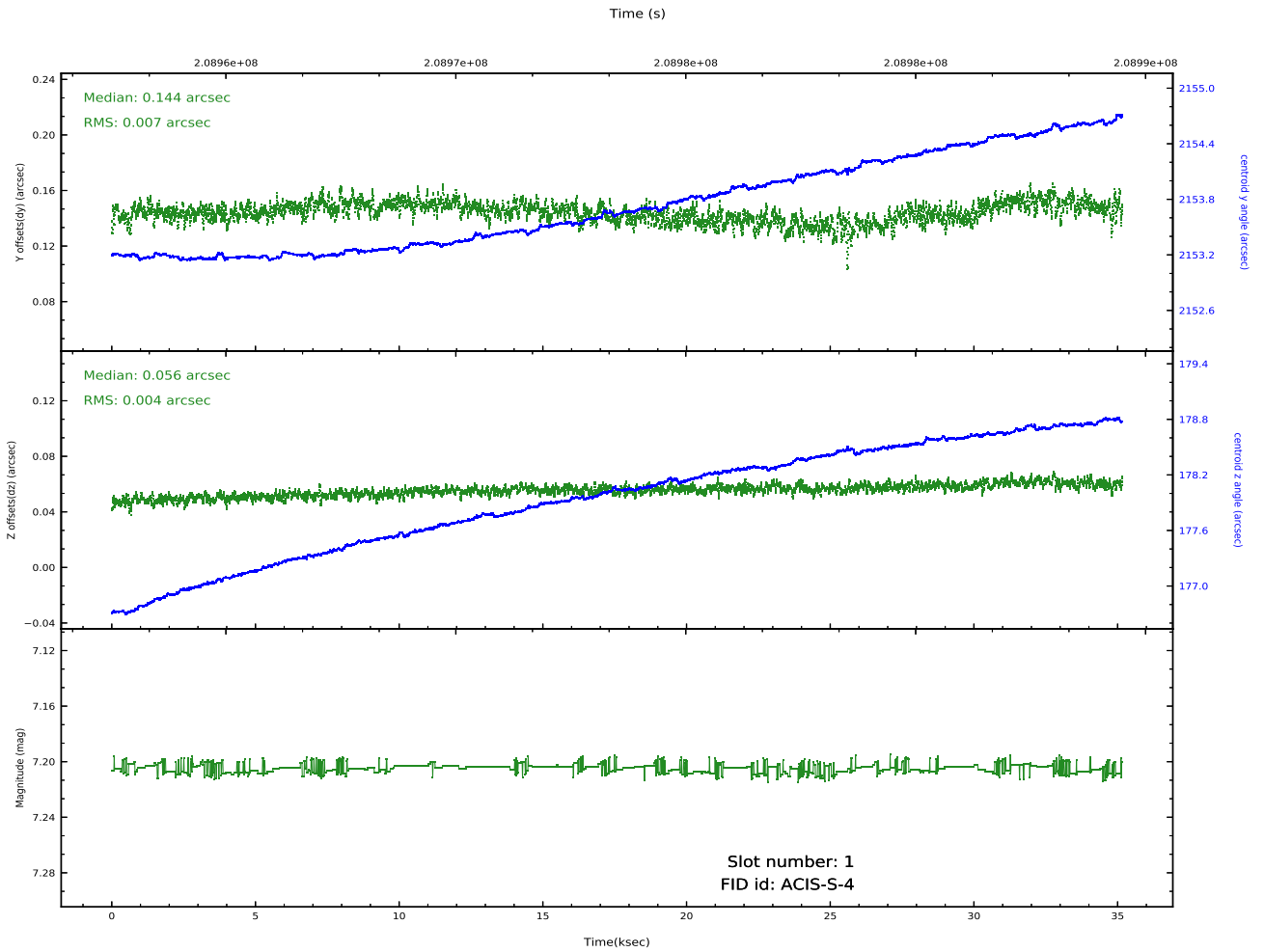
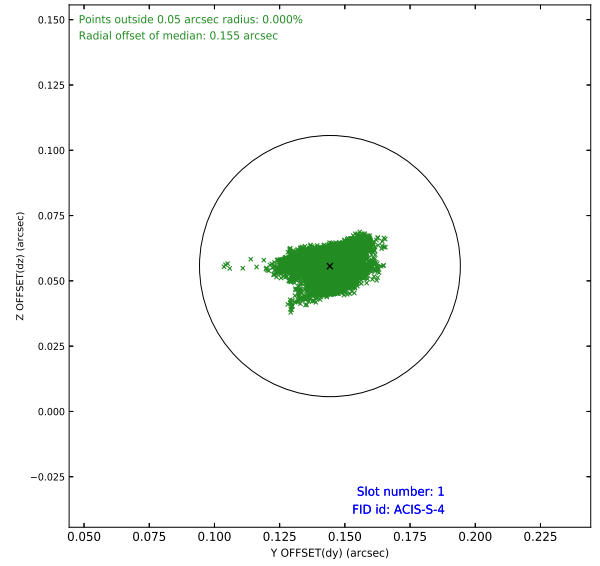
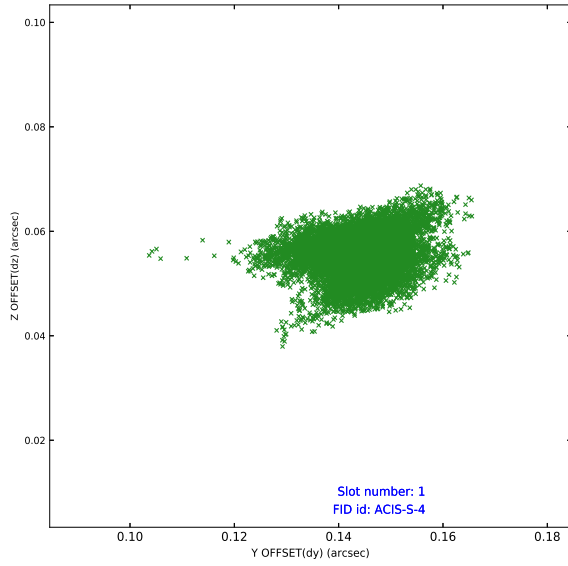


2.5 FID Slots

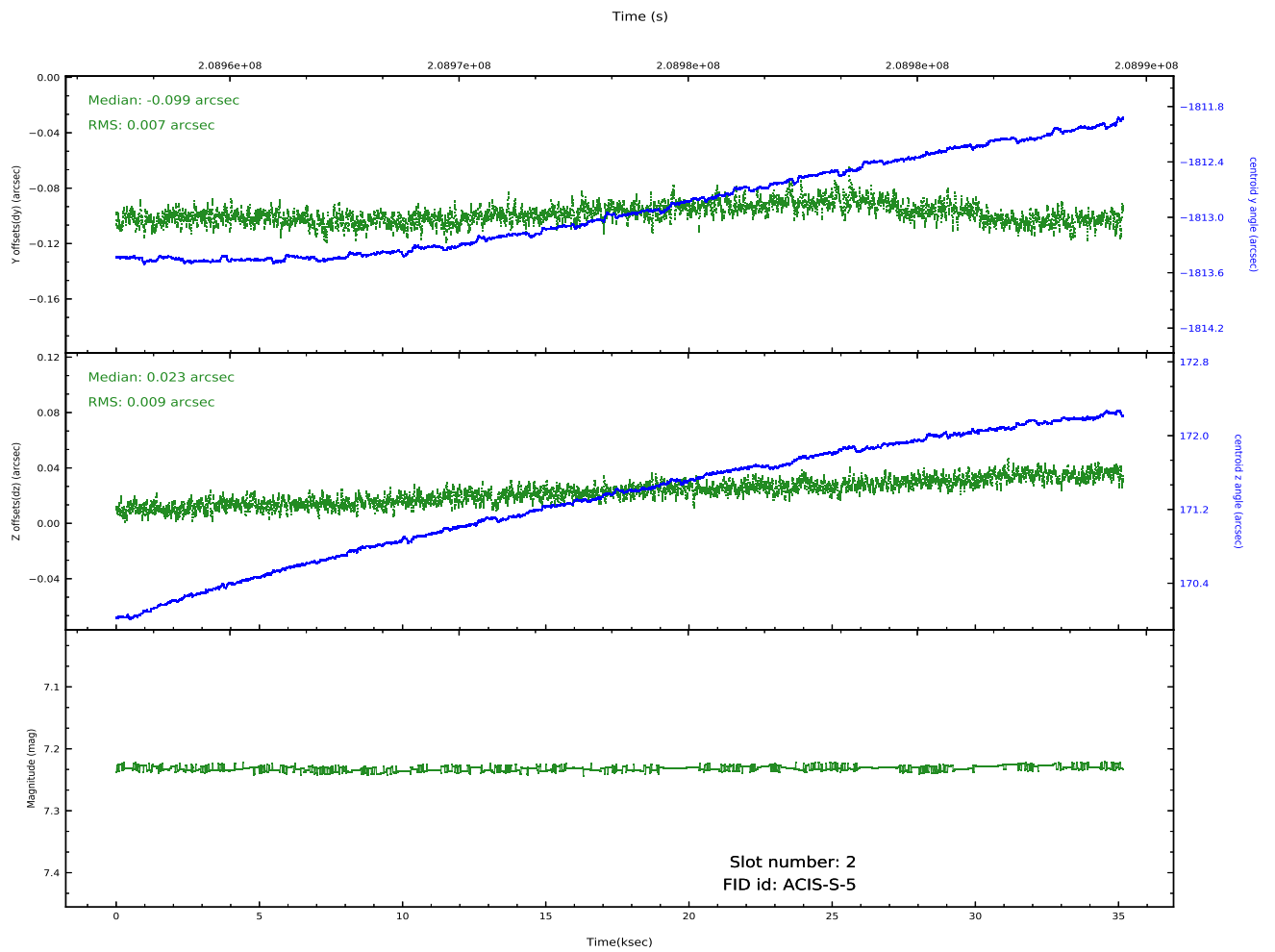
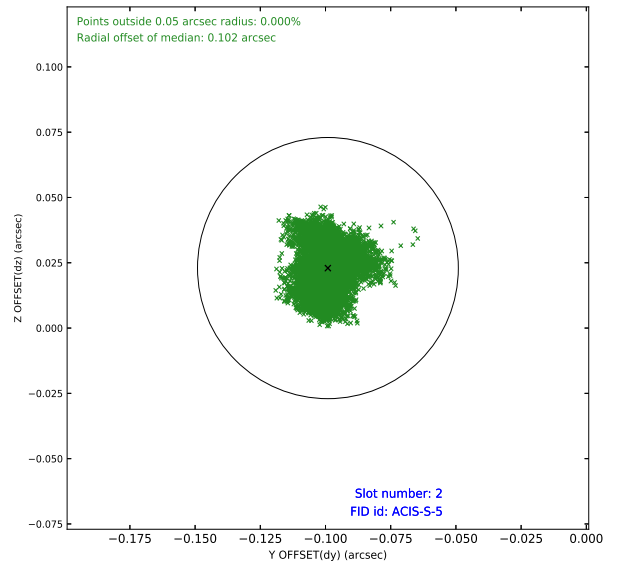
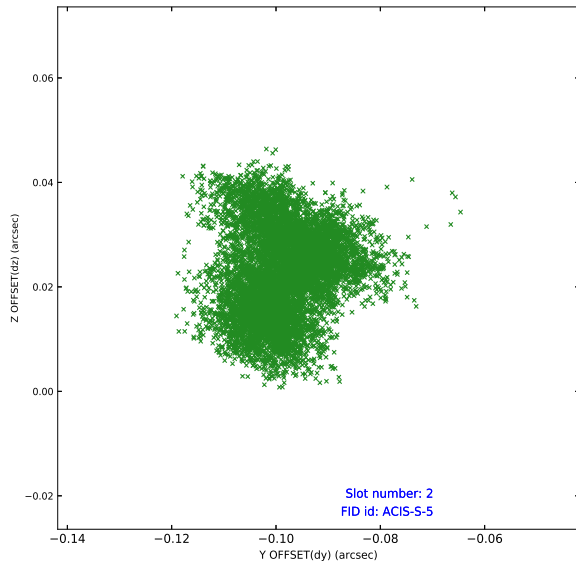
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.16

A.2 Comments