

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5775 - L2 Version 4
Chandra X-Ray Center

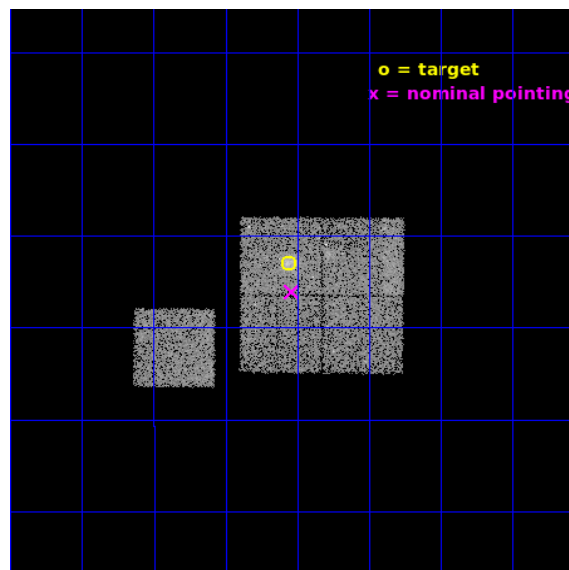
L2 Processing Date : Oct 7 2020

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1 Front

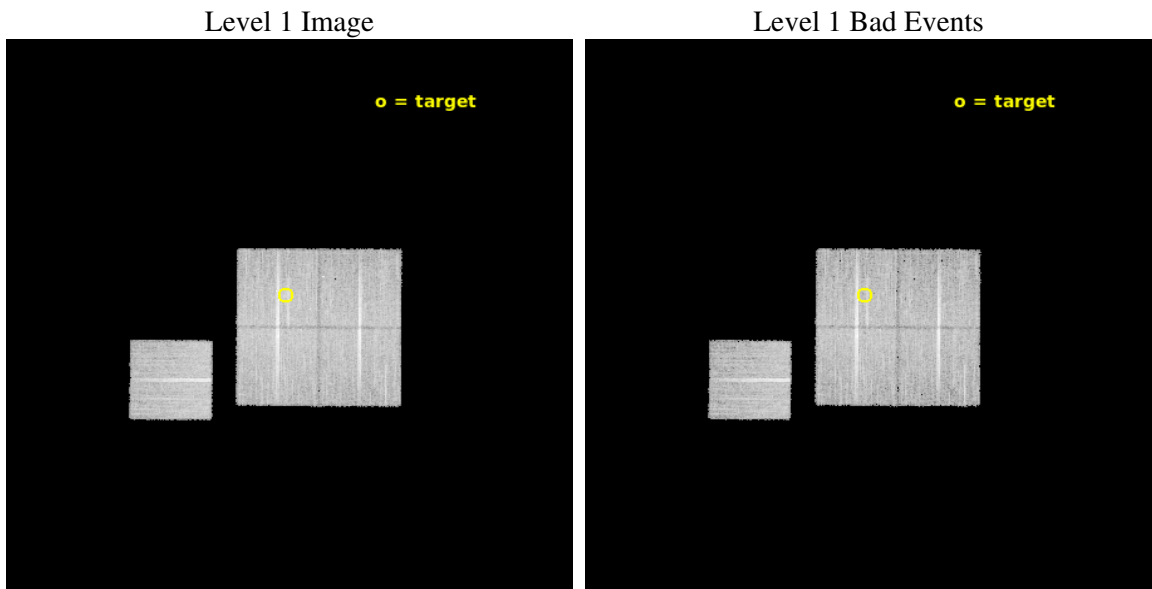
seq_num	800488	Sequence number
obs_id	5775	Observation id
title	Chandra observations of high-redshift clusters of galaxies from the 400 Square Degrees ROSAT PSPC survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	CIG J0318-0302	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.639167	Observer's specified target RA [deg]
dec_targ	-3.048889	Observer's specified target Dec [deg]
ra_nom	49.634057820499	Nominal RA [deg]
dec_nom	-3.1014077653831	Nominal Dec [deg]
roll_nom	270.37338744072	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14770.450670898	Sum of GTIs [s]
livetime	14577.463859035	Livetime [s]
ontime0	14776.609531194	Sum of GTIs [s]
ontime1	14773.509610951	Sum of GTIs [s]
ontime2	14773.550650954	Sum of GTIs [s]
ontime3	14770.450670898	Sum of GTIs [s]
ontime6	14776.568491191	Sum of GTIs [s]
l2events	42491	Number of level 2 events



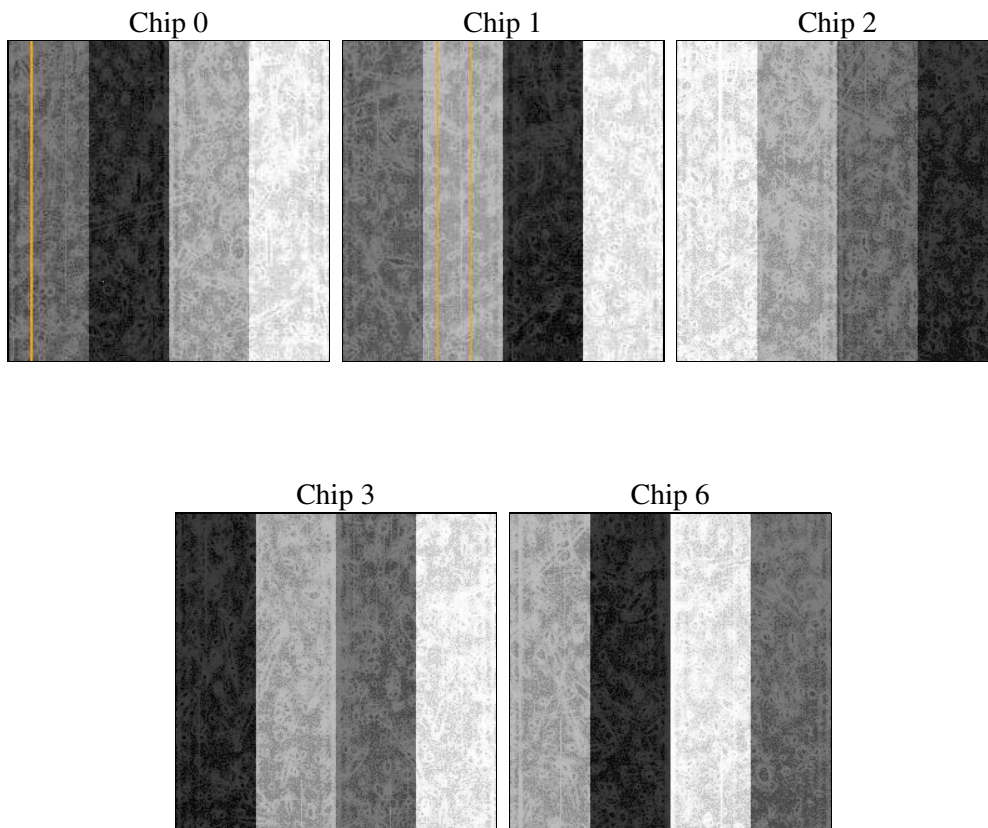
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14770.450670898	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	14776.609531194	Sum of GTIs [s]
date	2020-10-07T10:34:50	Date and time of file creation	ontime1	14773.509610951	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	14773.550650954	Sum of GTIs [s]
			ontime3	14770.450670898	Sum of GTIs [s]
			ontime6	14776.568491191	Sum of GTIs [s]
			l1events	450610	Number of level 1 events

2.1.4 Events

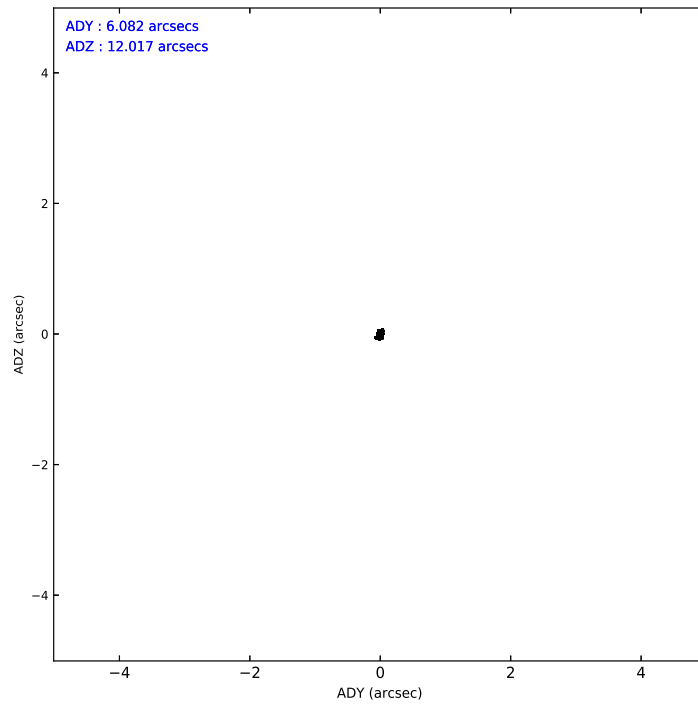
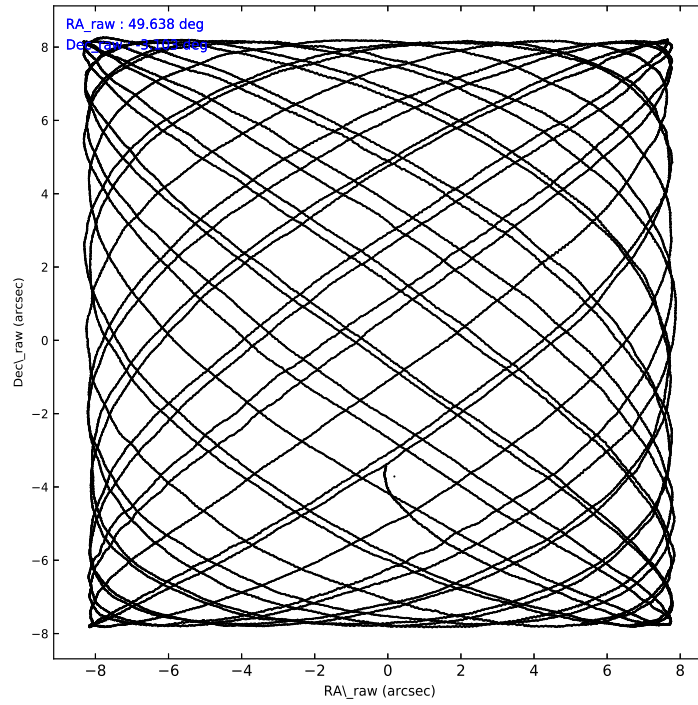
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	86068	84318	94277	94038	91909
rejected events	76460	73219	85004	83248	81920
rejected %	88%	86%	90%	88%	89%

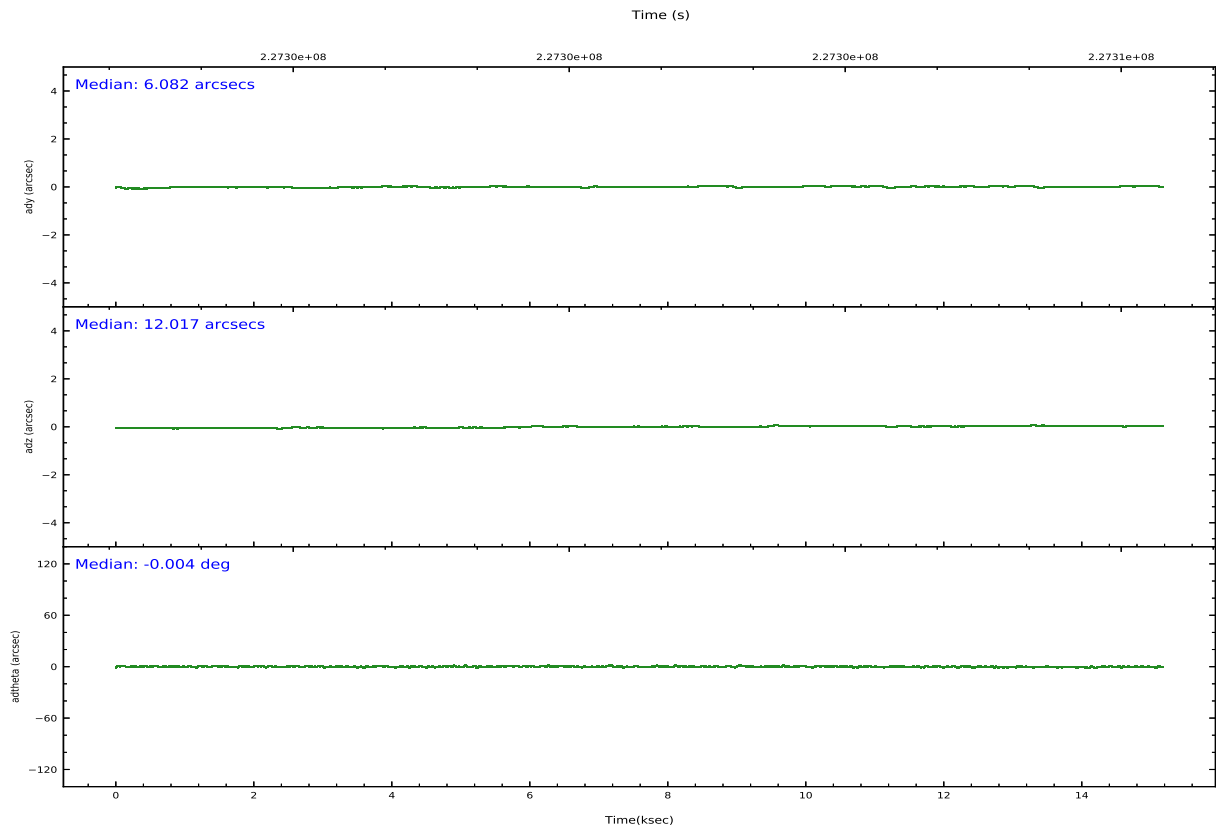
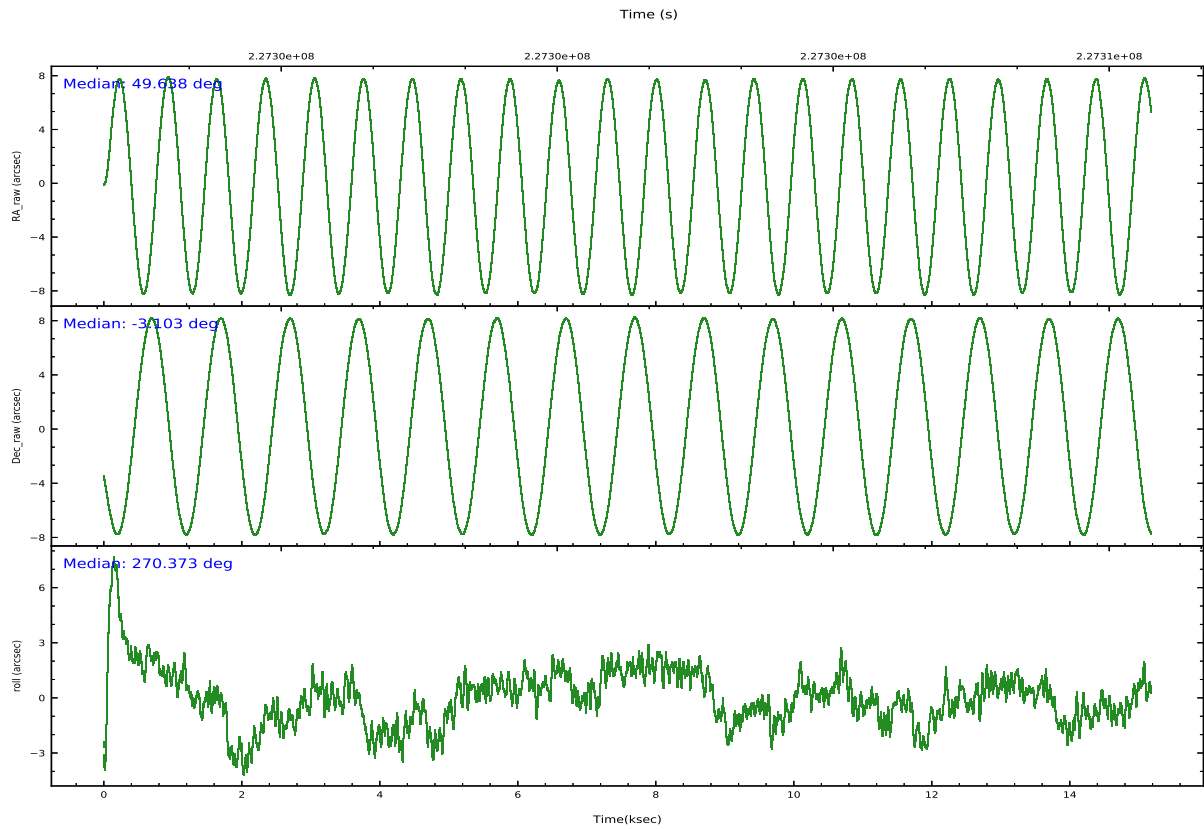
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3474	4340	3603	4799	3720
	4%	5%	3%	5%	4%
grade 1 events	48	49	52	38	40
	0%	0%	0%	0%	0%
grade 2 events	2208	2379	2077	2039	2100
	2%	2%	2%	2%	2%
grade 3 events	1091	1197	969	1093	1139
	1%	1%	1%	1%	1%
grade 4 events	993	1141	964	1064	1024
	1%	1%	1%	1%	1%
grade 5 events	3278	3463	3013	3681	3793
	3%	4%	3%	3%	4%
grade 6 events	1844	2049	1666	1797	2012
	2%	2%	1%	1%	2%
grade 7 events	73132	69700	81933	79527	78081
	84%	82%	86%	84%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	49.623564	49.634057820499	Subarray requested	NONE	NONE
[deg] Pointing Dec	-3.079601	-3.1014077653831	Alternating exposures requested	N	N
[deg] Pointing Roll	270.167201	270.37338744072	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8458576473255			
[mm] SIM translation stage offset	-7.752	-7.746595355604228			
[s] Observation start time (MET)	227293609.184000	227292900.39989			
Observation start date	2005-03-15T17:05:45	2005-03-15T16:55:00			
[s] Observation end time (MET)	227308609.184000	227309665.81315			
Observation end date	2005-03-15T21:15:45	2005-03-15T21:34:25			
Read mode	TIMED	TIMED			

2.3 Aspect





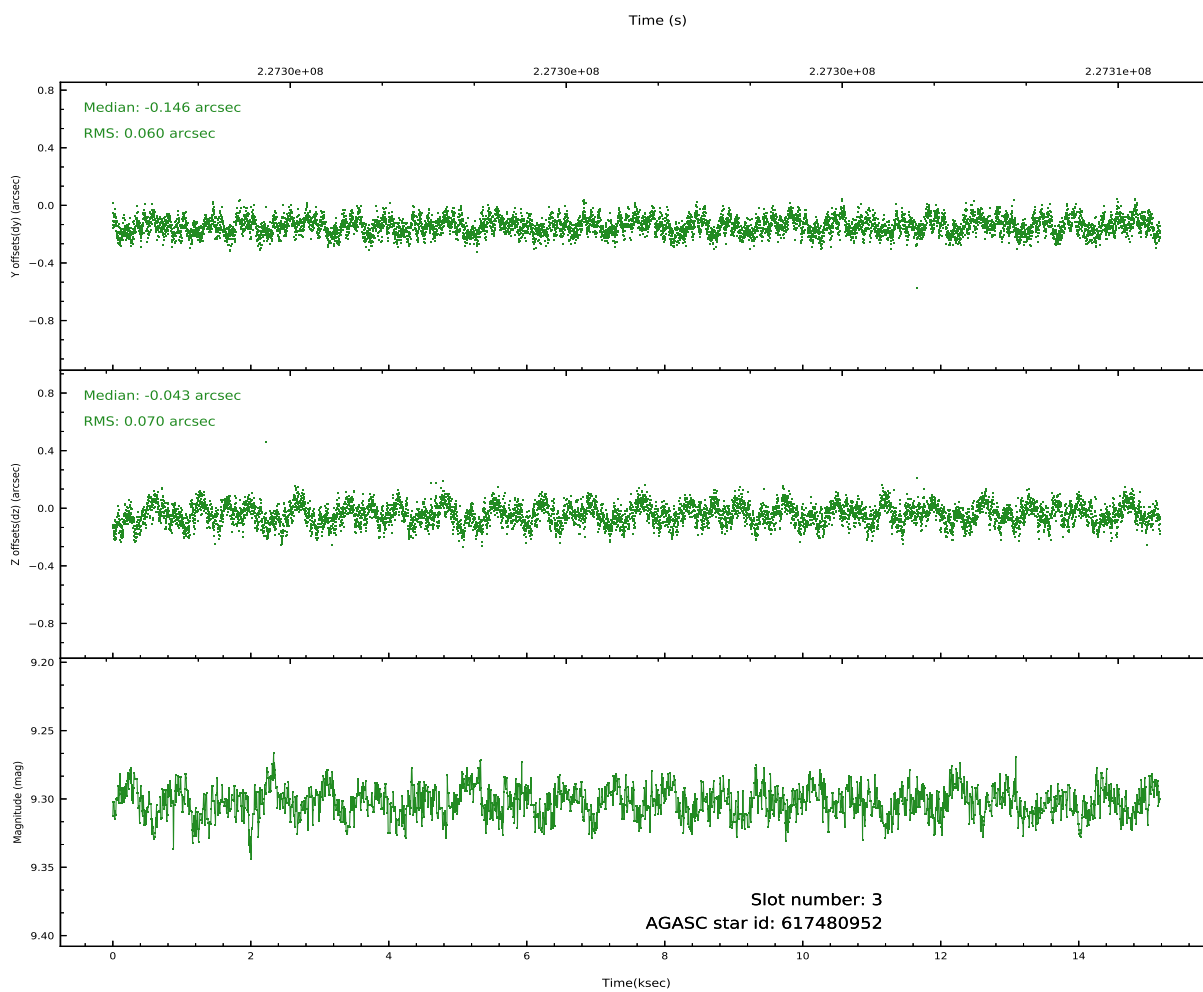
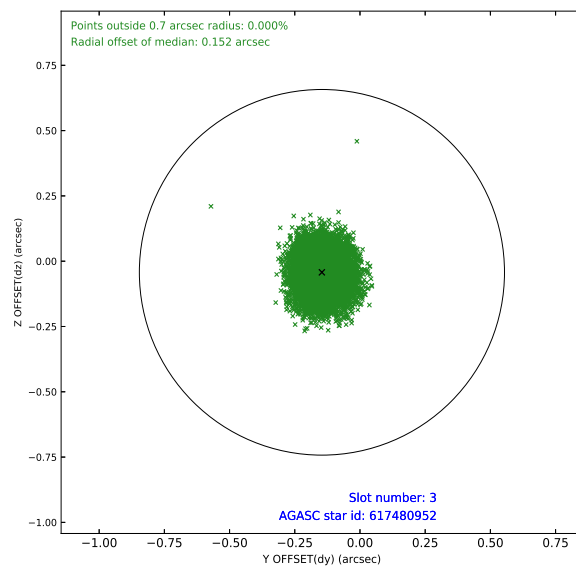
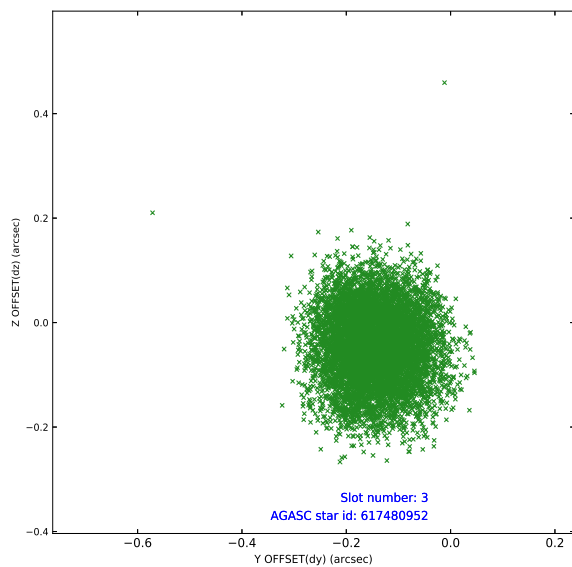
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.23	3703	1.000	0.102	-0.210	0.008	0.013	0.000000	0.000000	933.62	-994
1	FID		ACIS-I-4	7.14	3701	1.000	0.019	0.121	0.007	0.012	0.000000	0.000000	2153.24	906
2	FID		ACIS-I-5	7.22	3703	1.000	-0.219	0.160	0.006	0.012	0.000000	0.000000	-1814.38	903
3	GUIDE	used	617480952	9.30	7402	1.000	-0.146	-0.043	0.100	0.155	49.196103	-2.583964	-1788.18	-1532
4	GUIDE	used	617481632	7.13	7406	1.000	-0.150	-0.059	0.065	0.104	49.757893	-2.843196	-849.27	486
5	GUIDE	used	617488168	7.63	7406	1.000	0.151	-0.016	0.064	0.103	49.169459	-3.530265	1618.75	-1635
6	GUIDE	used	617488464	8.94	7403	1.000	0.033	-0.067	0.084	0.129	49.246846	-3.265182	665.18	-1356
7	GUIDE	used	617611592	9.59	7398	1.000	0.105	0.186	0.093	0.154	50.028395	-3.018498	-215.14	1456

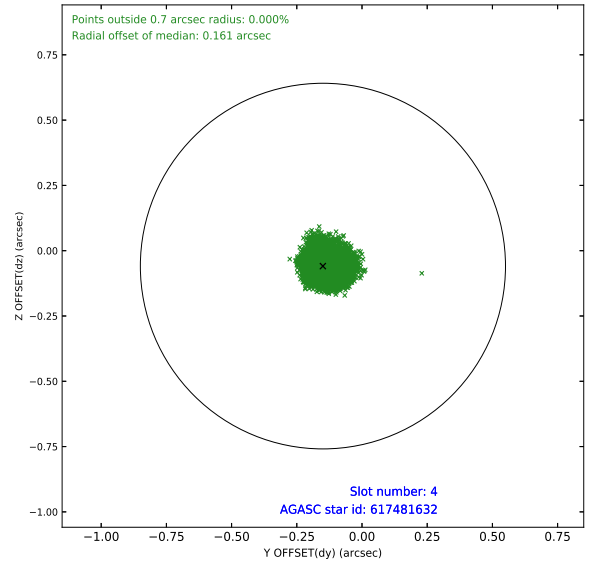
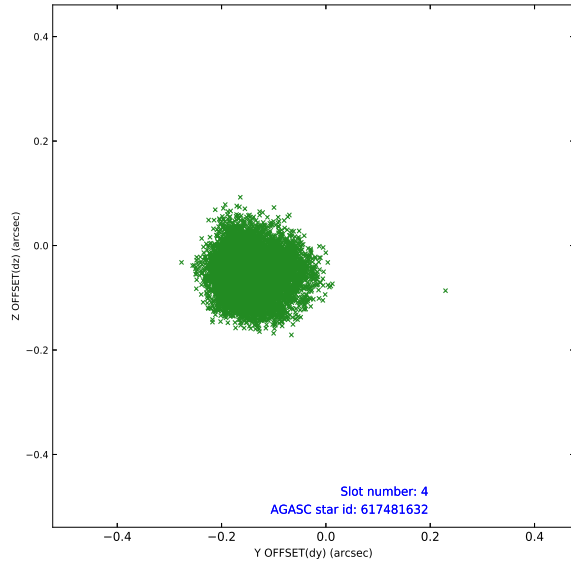
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2.4 Star Slots

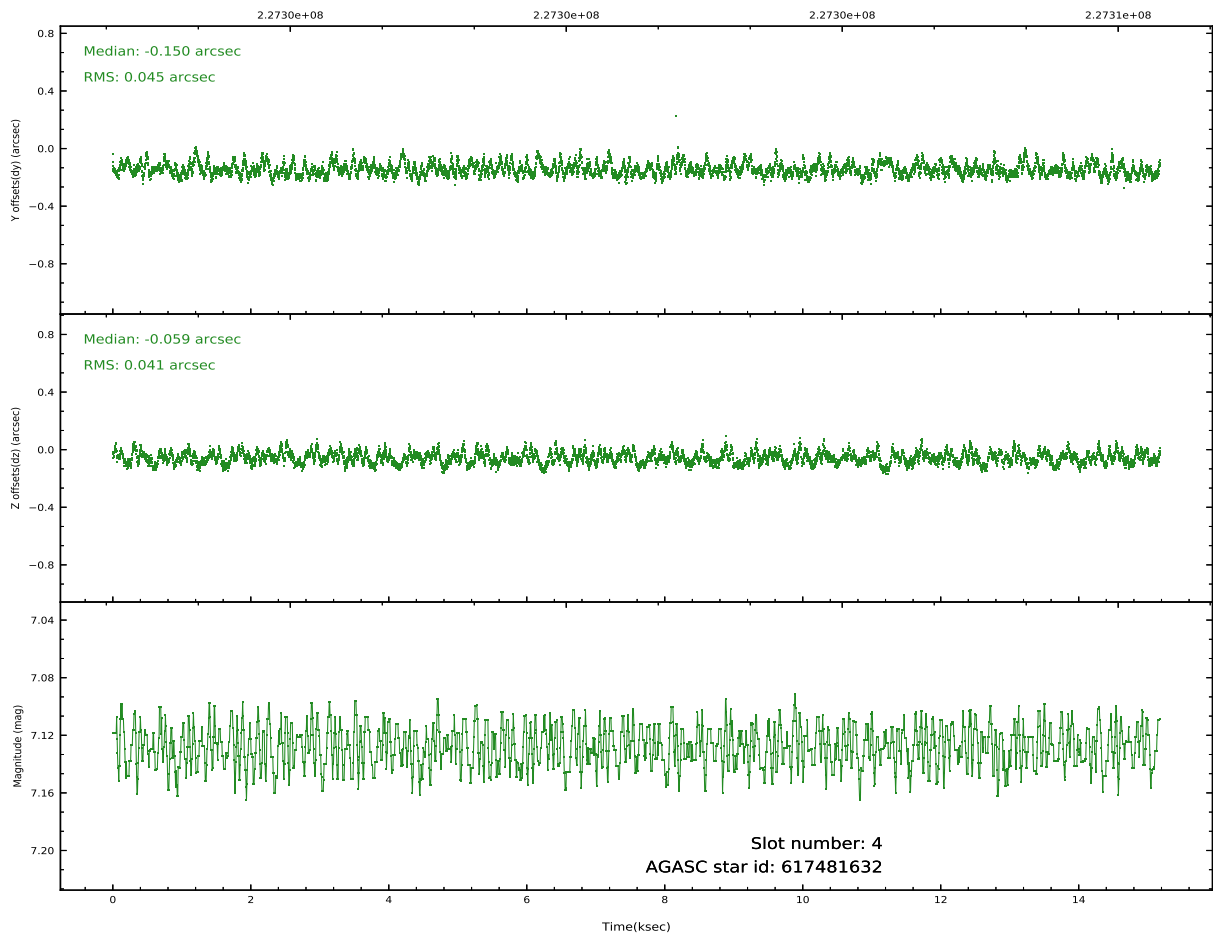
2.4.1 Slot 3



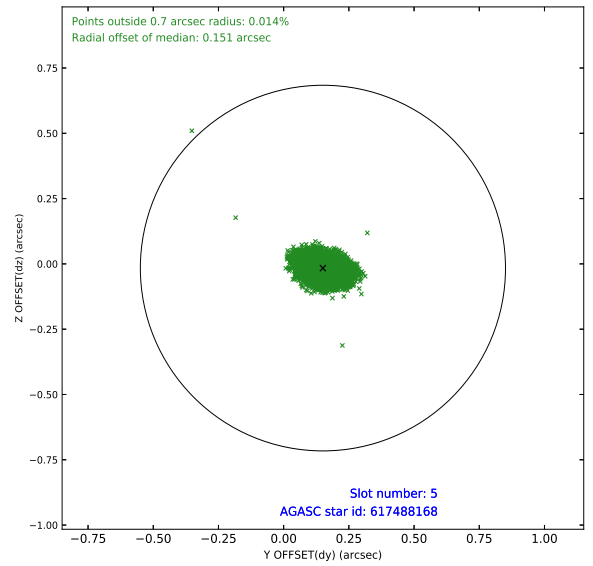
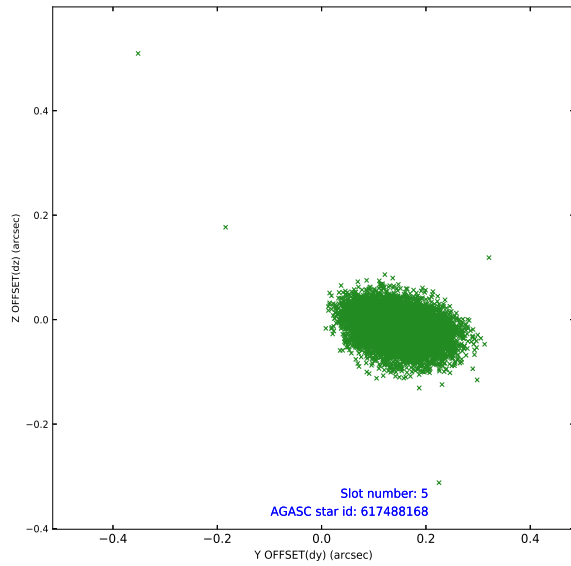
2.4.2 Slot 4



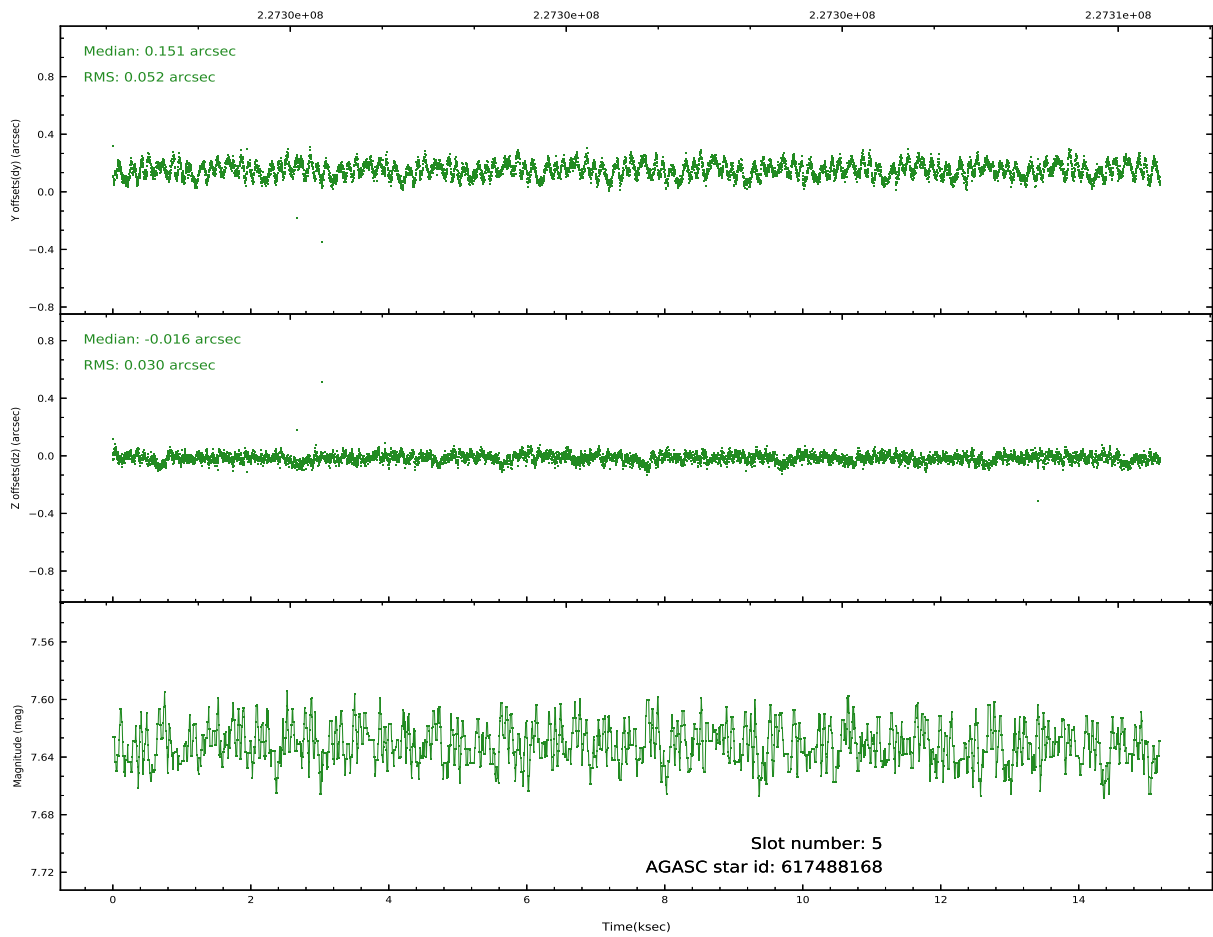
Time (s)



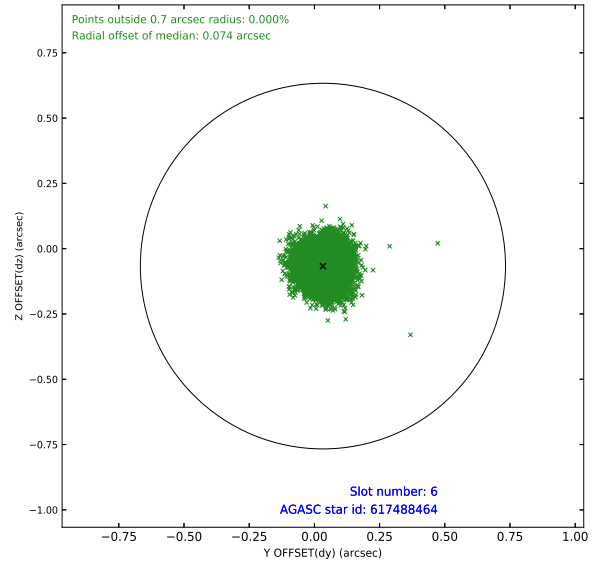
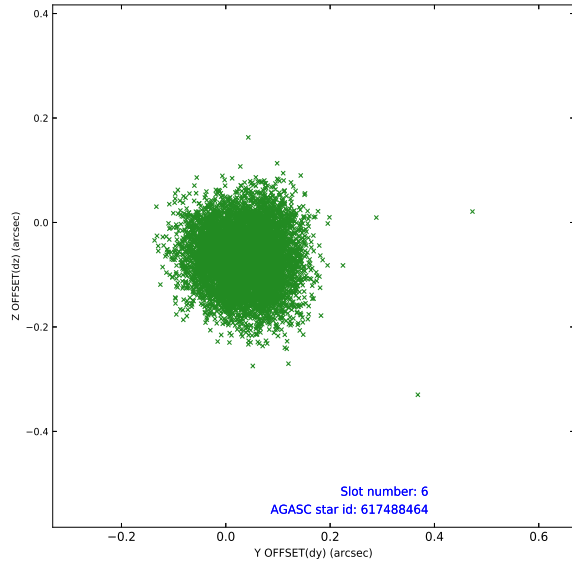
2.4.3 Slot 5



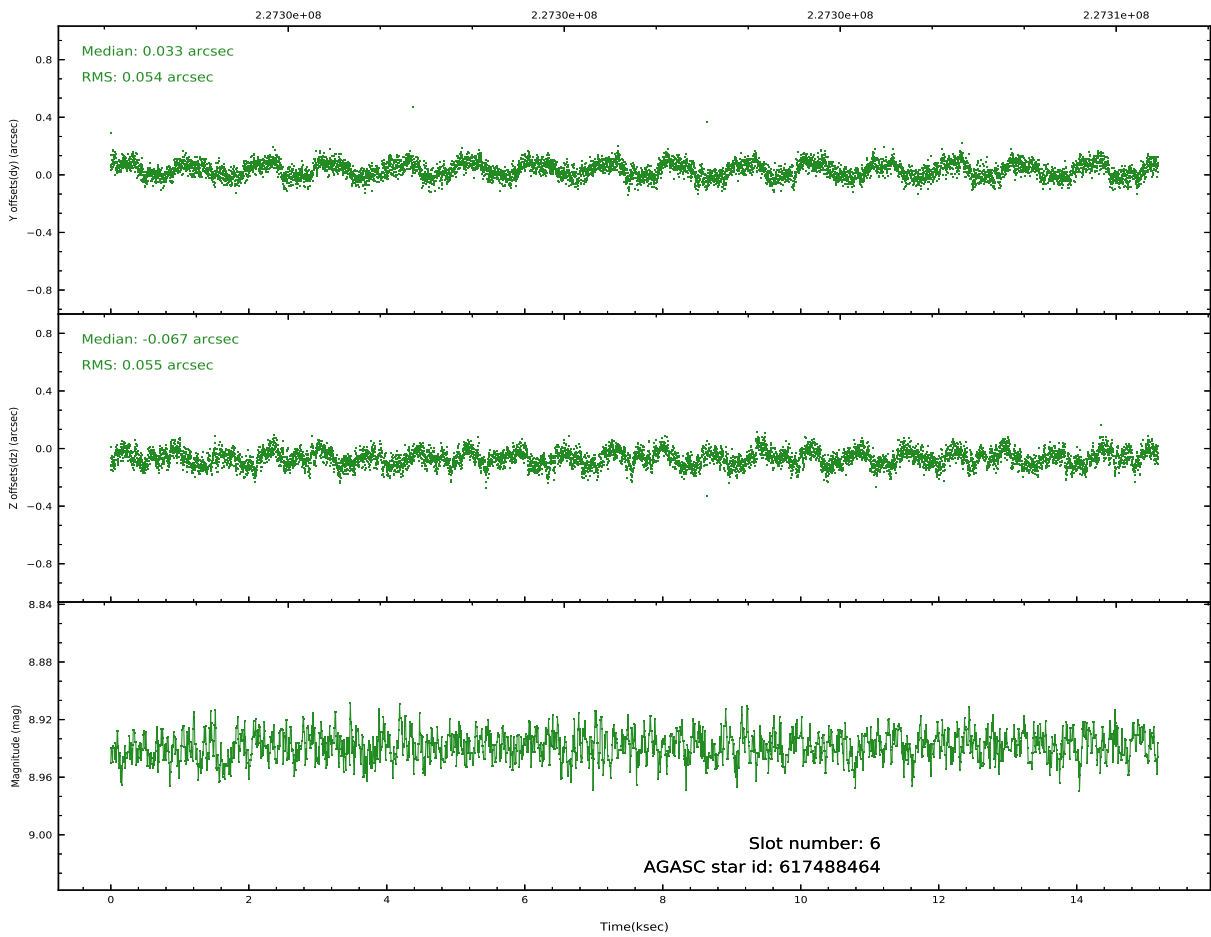
Time (s)



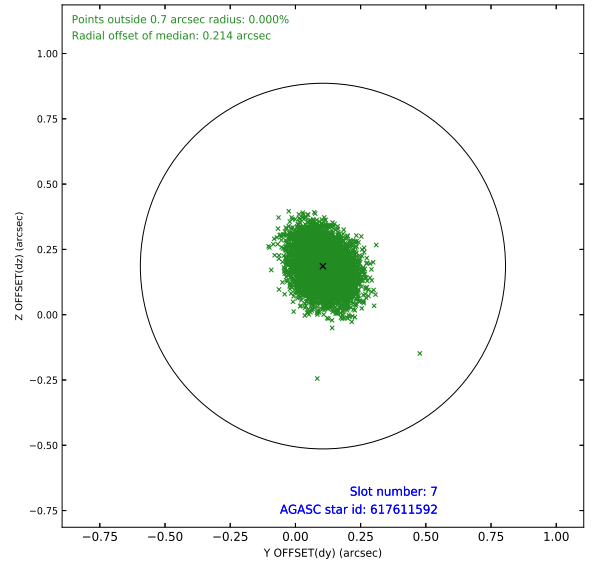
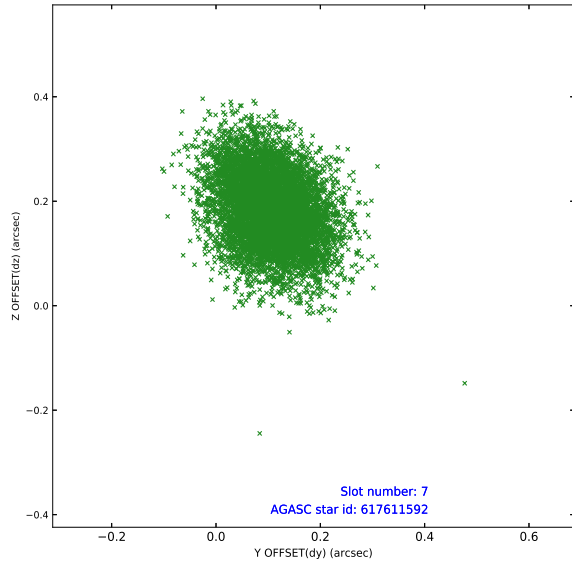
2.4.4 Slot 6



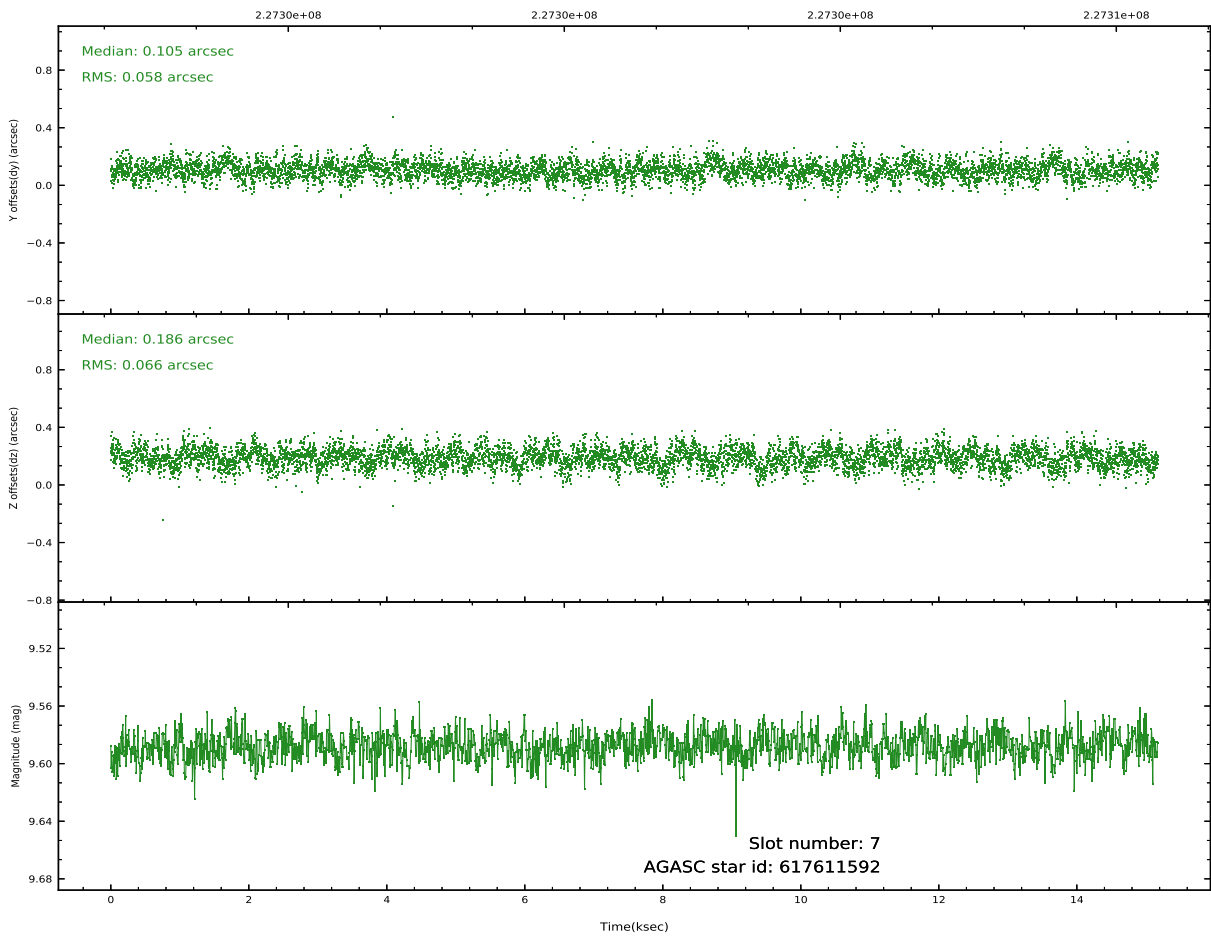
Time (s)



2.4.5 Slot 7

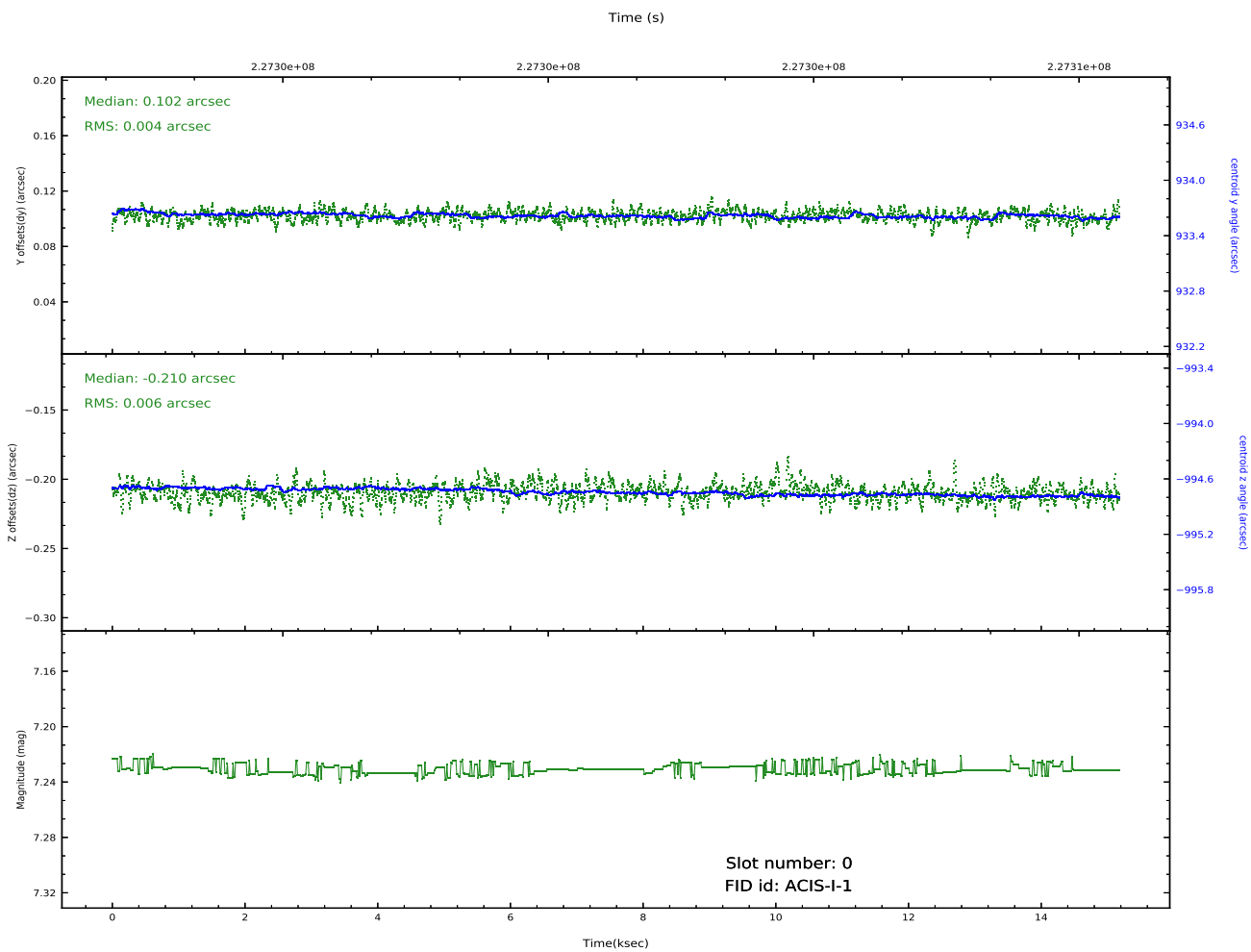
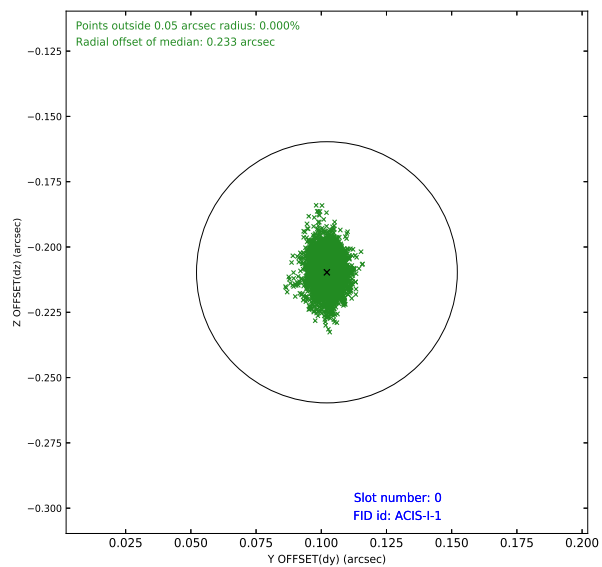
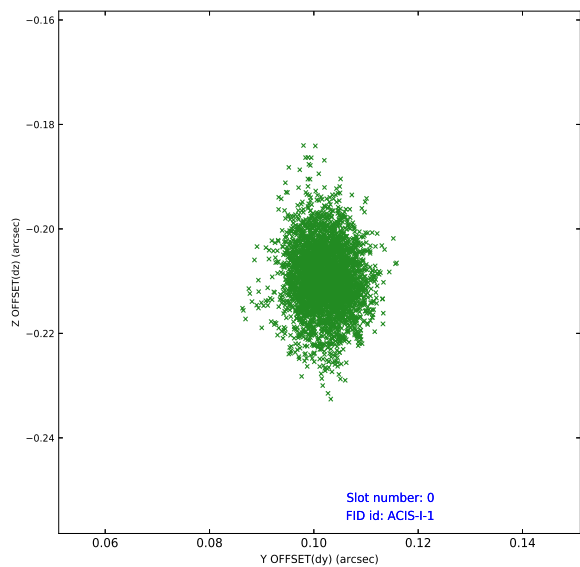


Time (s)

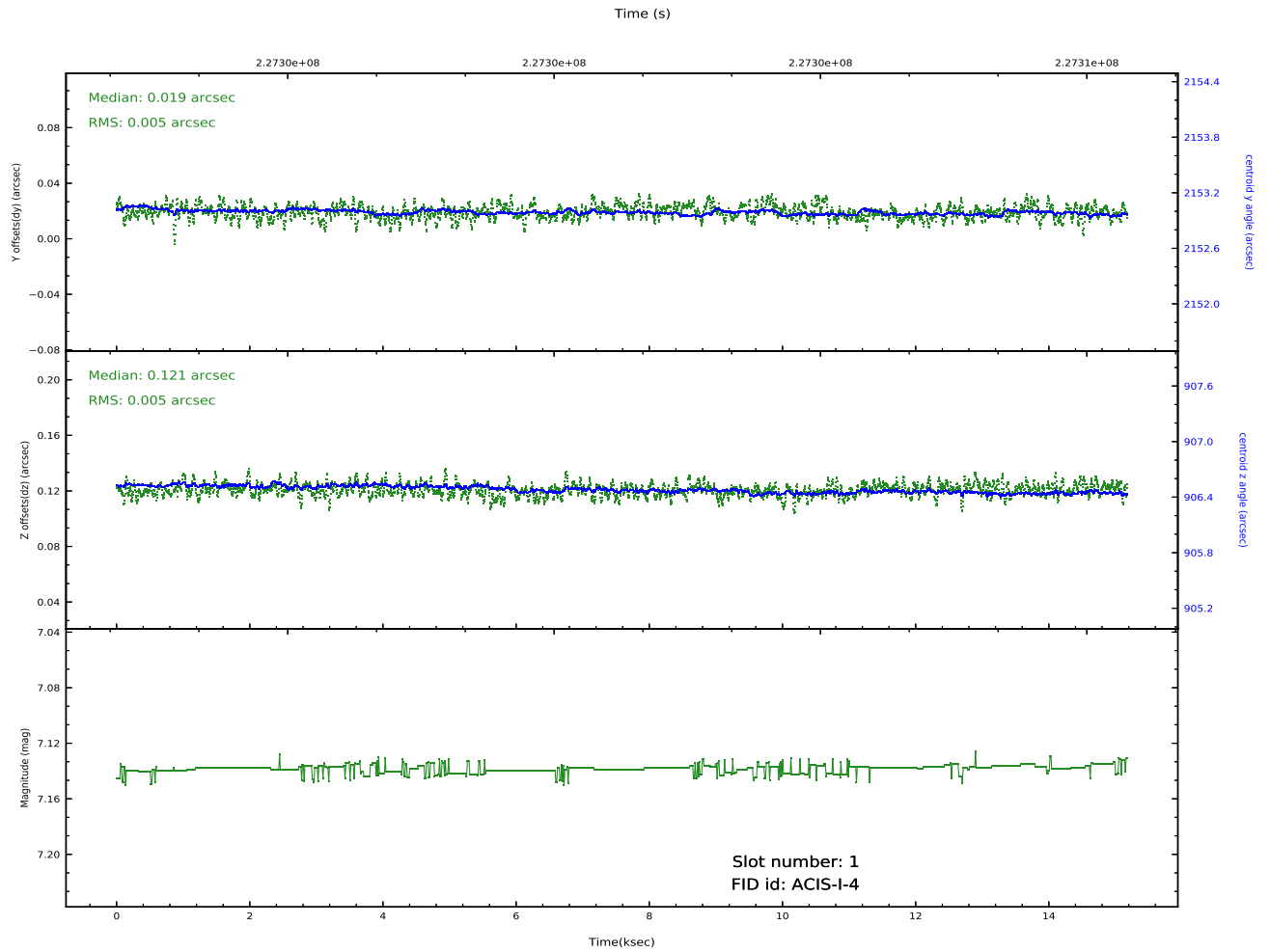
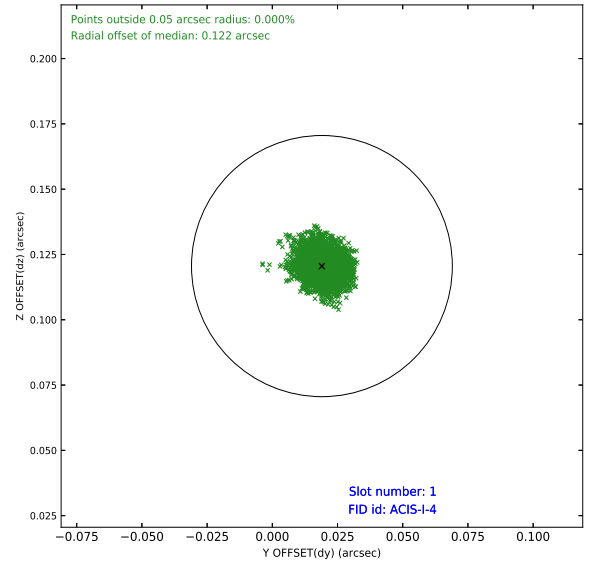
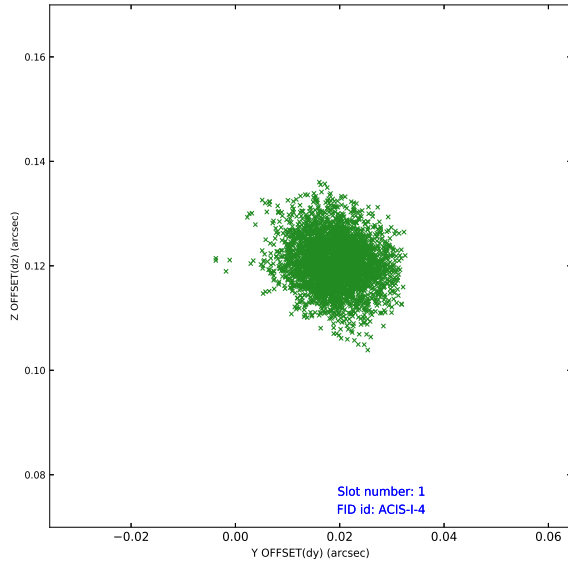


2.5 FID Slots

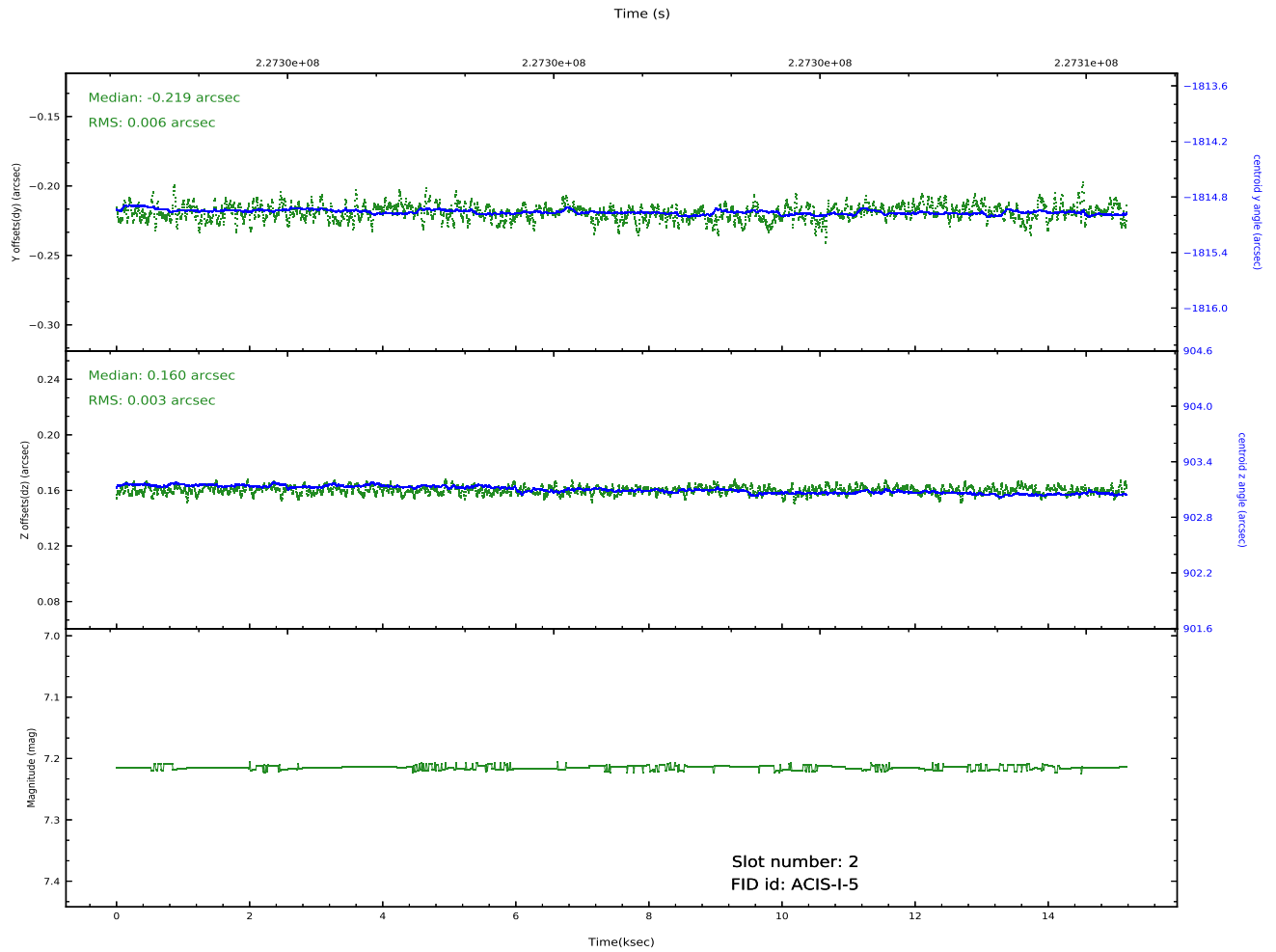
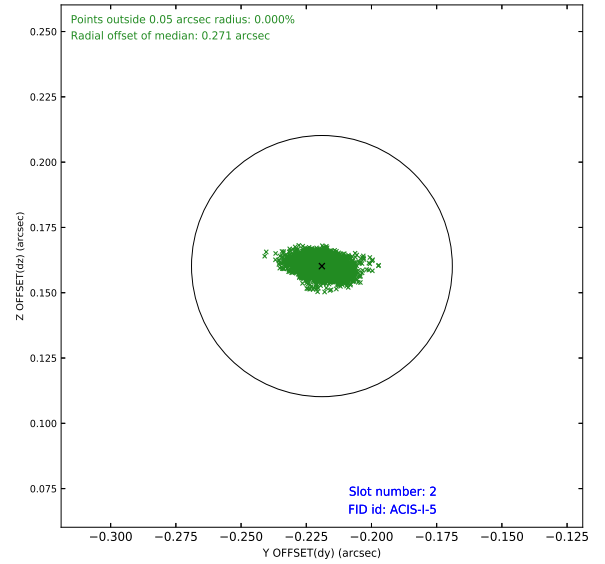
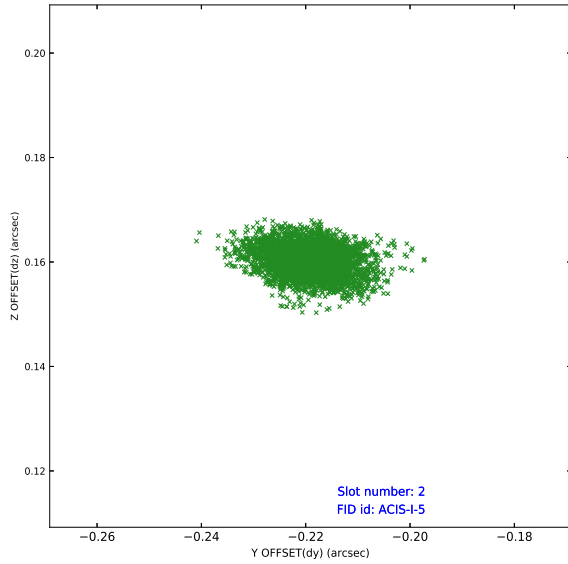
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.77141

A.2 Comments