

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5773 - L2 Version 4
Chandra X-Ray Center

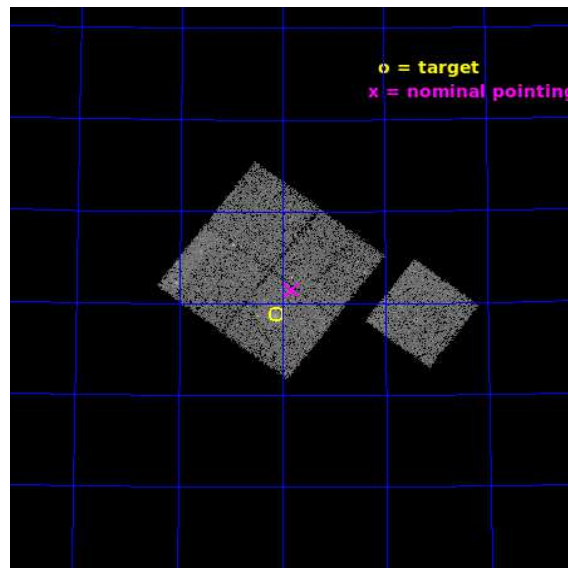
L2 Processing Date : Oct 5 2020

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1 Front

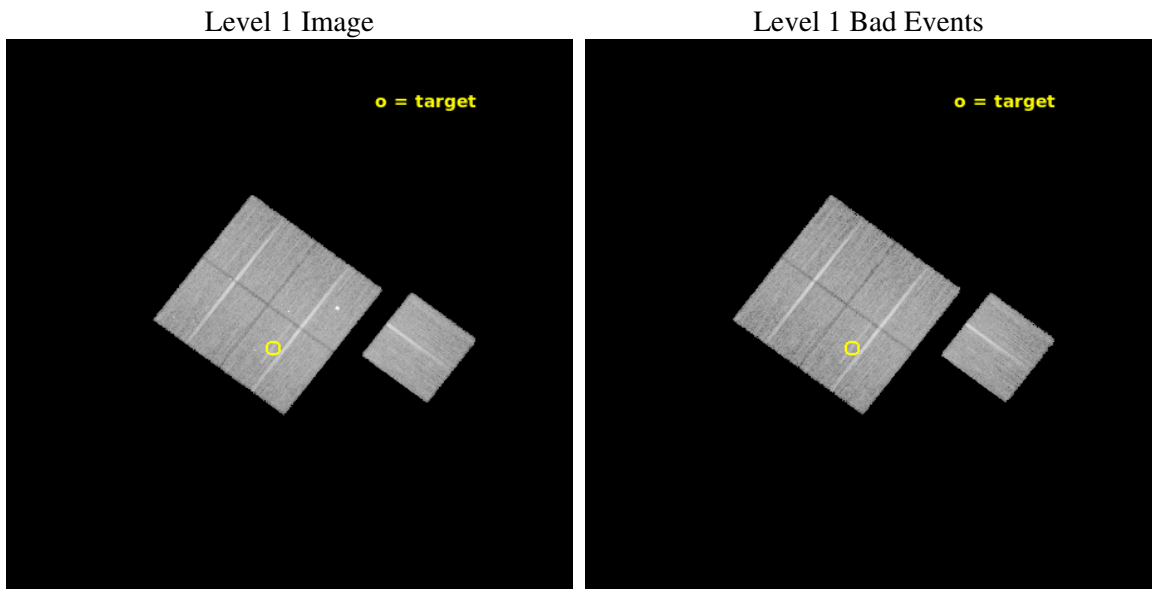
seq_num	800486	Sequence number
obs_id	5773	Observation id
title	Chandra observations of high-redshift clusters of galaxies from the 400 Square Degrees ROSAT PSPC survey	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	CIG J1002+6858	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.531667	Observer's specified target RA [deg]
dec_targ	68.980278	Observer's specified target Dec [deg]
ra_nom	150.45385995353	Nominal RA [deg]
dec_nom	69.025150108017	Nominal Dec [deg]
roll_nom	127.11650513323	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20052.497760475	Sum of GTIs [s]
livetime	19790.4971148	Livetime [s]
ontime0	20052.374640465	Sum of GTIs [s]
ontime1	20052.415680468	Sum of GTIs [s]
ontime2	20049.31572032	Sum of GTIs [s]
ontime3	20052.497760475	Sum of GTIs [s]
ontime6	20052.333600461	Sum of GTIs [s]
l2events	48532	Number of level 2 events



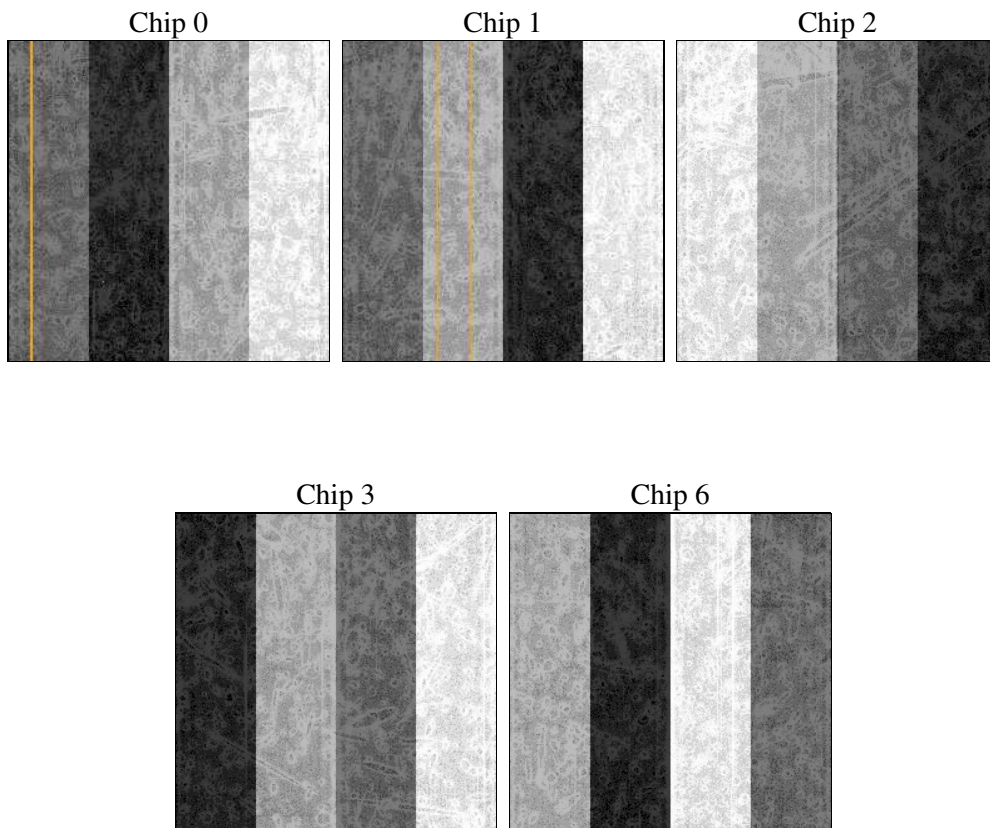
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20052.497760475	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	20052.374640465	Sum of GTIs [s]
date	2020-10-06T02:45:57	Date and time of file creation	ontime1	20052.415680468	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	20049.31572032	Sum of GTIs [s]
			ontime3	20052.497760475	Sum of GTIs [s]
			ontime6	20052.333600461	Sum of GTIs [s]
			l1events	557056	Number of level 1 events

2.1.4 Events

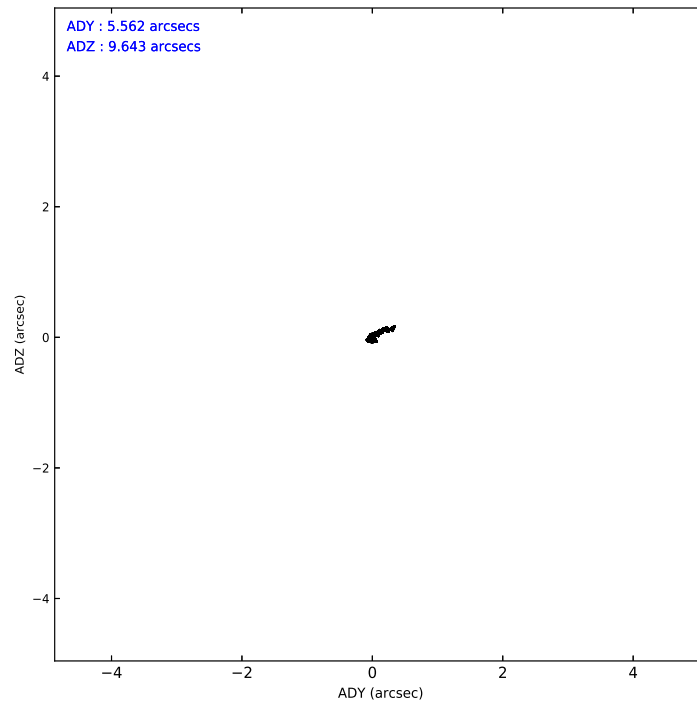
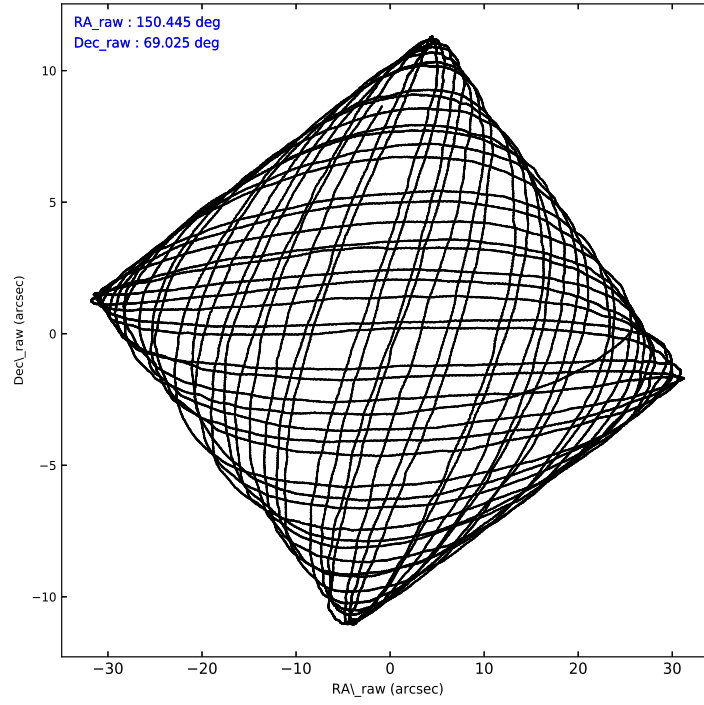
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	104721	105934	120839	111625	113937
rejected events	93638	93123	106272	99964	102471
rejected %	89%	87%	87%	89%	89%

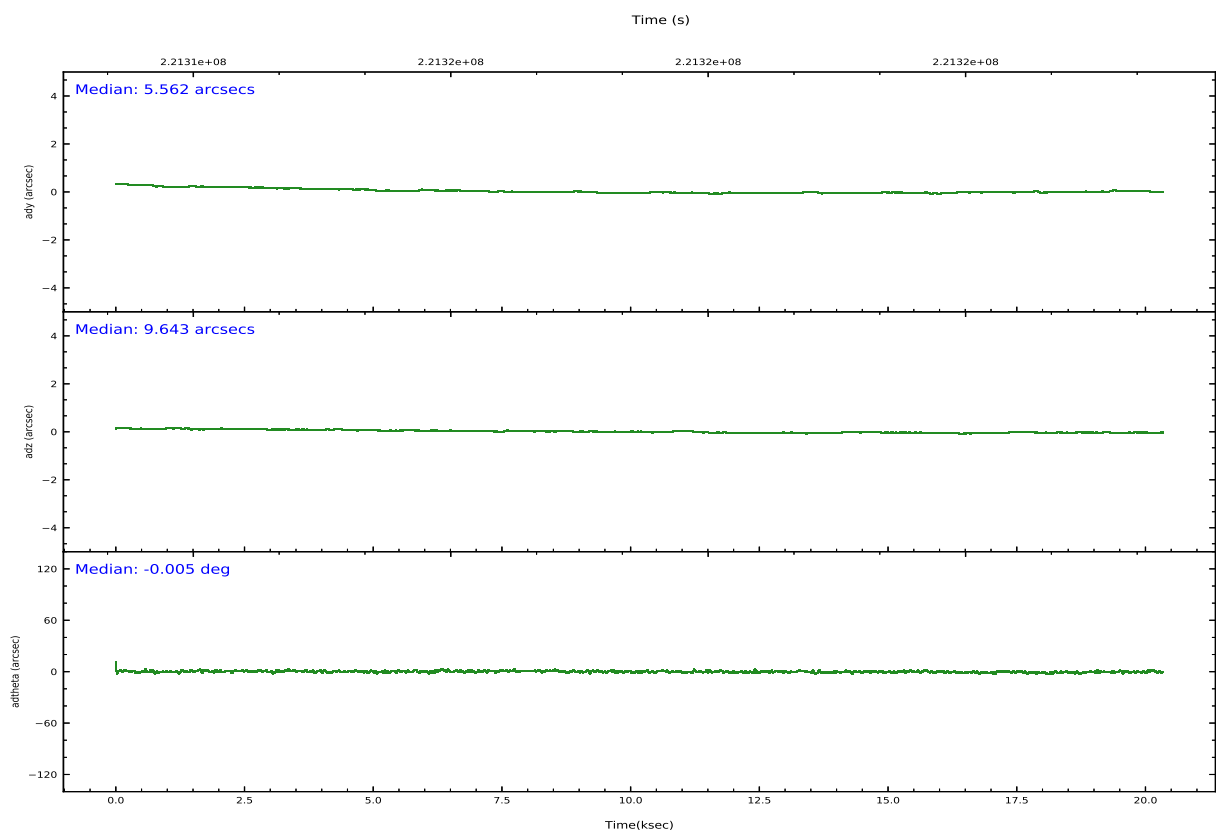
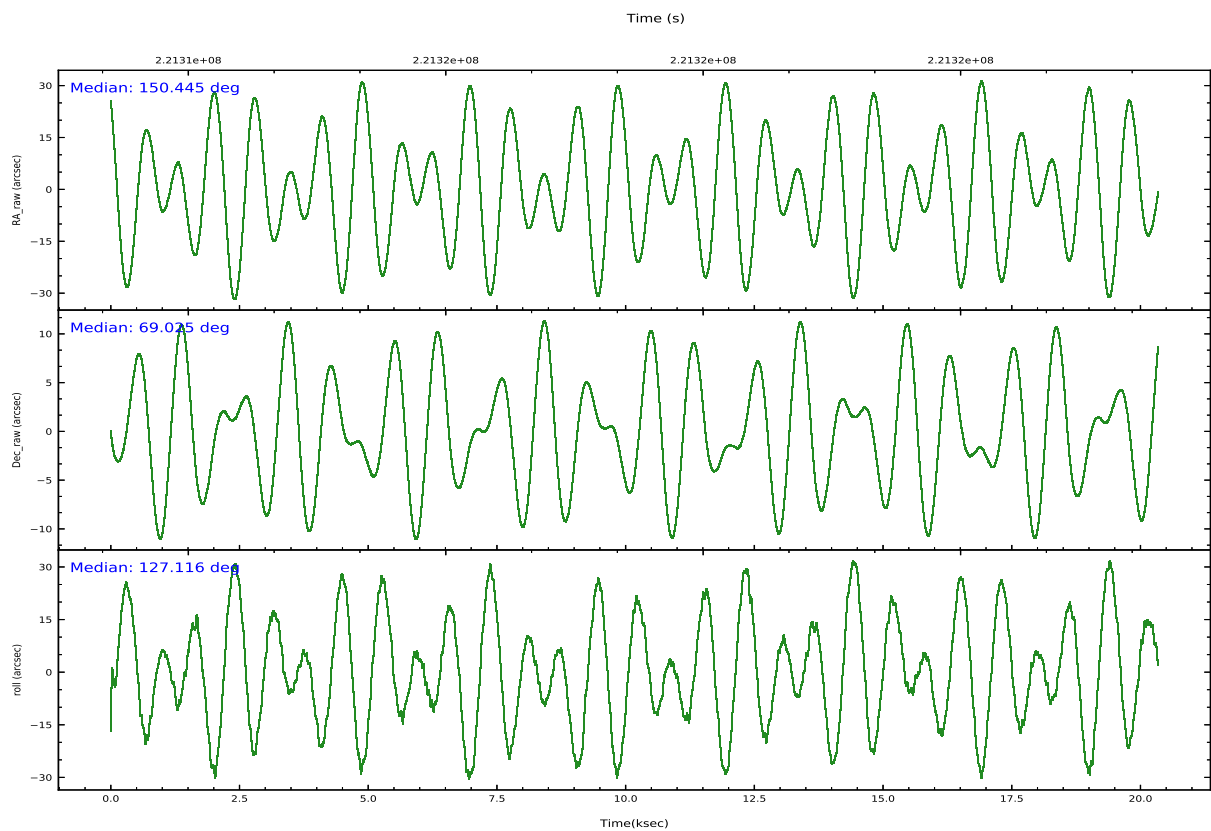
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3893	4731	7389	4531	3988
	3%	4%	6%	4%	3%
grade 1 events	51	49	81	63	43
	0%	0%	0%	0%	0%
grade 2 events	2515	2747	2590	2395	2460
	2%	2%	2%	2%	2%
grade 3 events	1348	1399	1265	1267	1336
	1%	1%	1%	1%	1%
grade 4 events	1189	1401	1279	1242	1253
	1%	1%	1%	1%	1%
grade 5 events	4012	4360	3941	4586	4404
	3%	4%	3%	4%	3%
grade 6 events	2143	2537	2047	2228	2431
	2%	2%	1%	1%	2%
grade 7 events	89570	88710	102247	95313	98022
	85%	83%	84%	85%	86%

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	150.515350	150.45385995353	Subarray requested	NONE	NONE
[deg] Pointing Dec	69.014221	69.025150108017	Alternating exposures requested	N	N
[deg] Pointing Roll	126.845094	127.11650513323	[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)	221308837.184000	221307827.24177			
Observation start date	2005-01-05T10:39:33	2005-01-05T10:23:47			
[s] Observation end time (MET)	221328837.184000	221329192.85523			
Observation end date	2005-01-05T16:12:53	2005-01-05T16:19:52			
Read mode	TIMED	TIMED			

2.3 Aspect



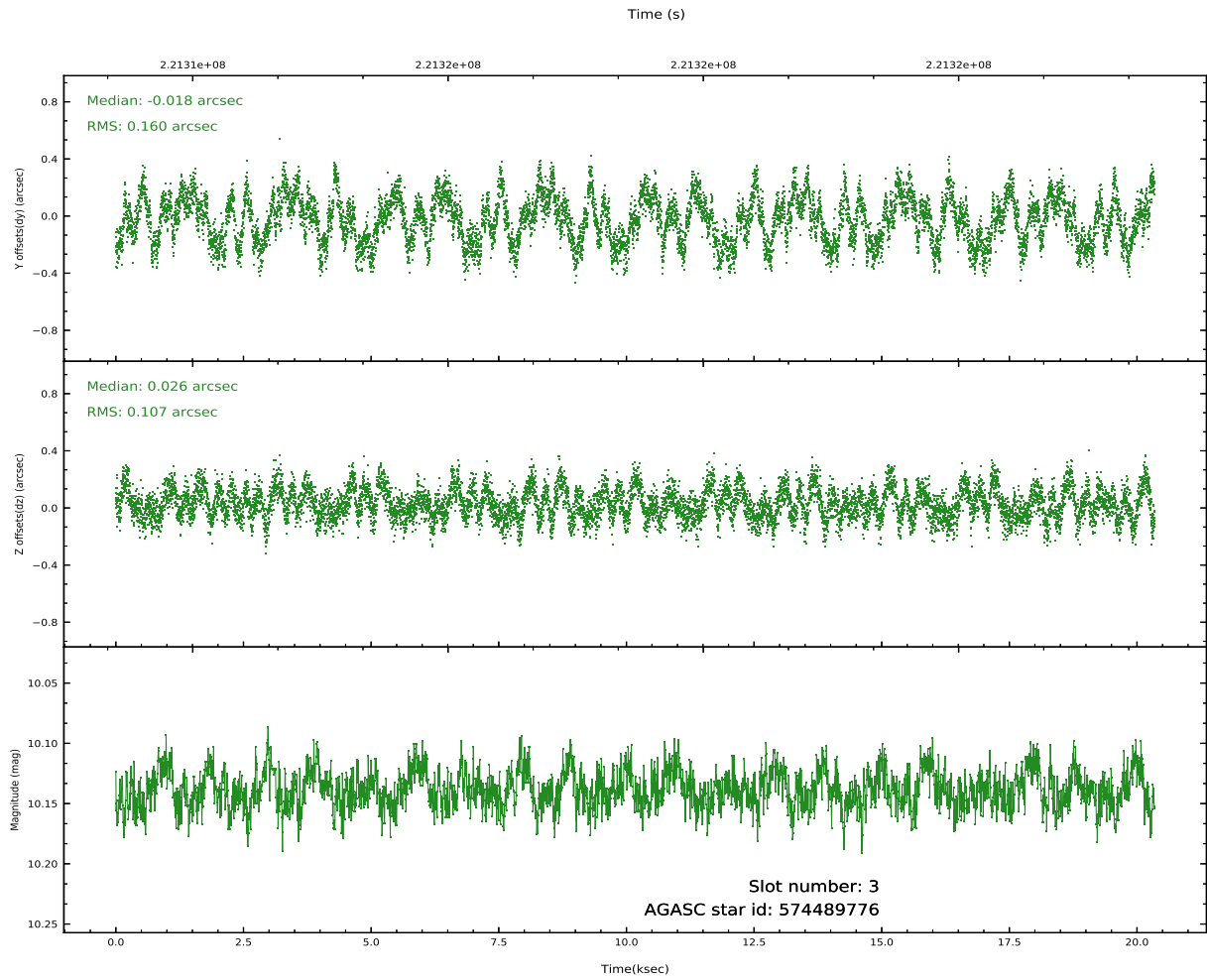
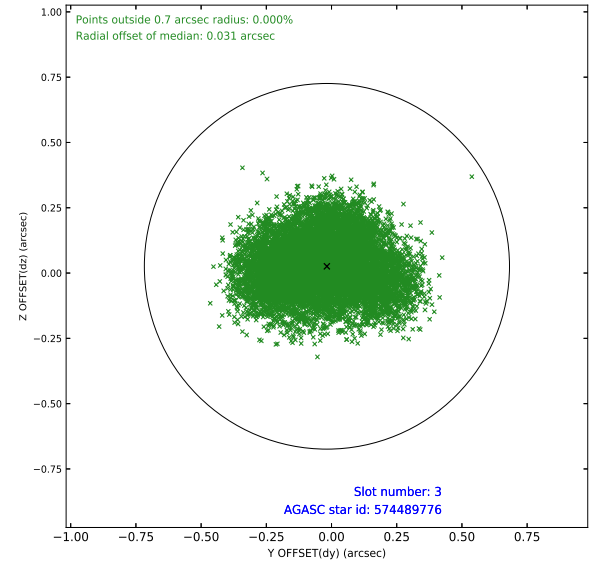
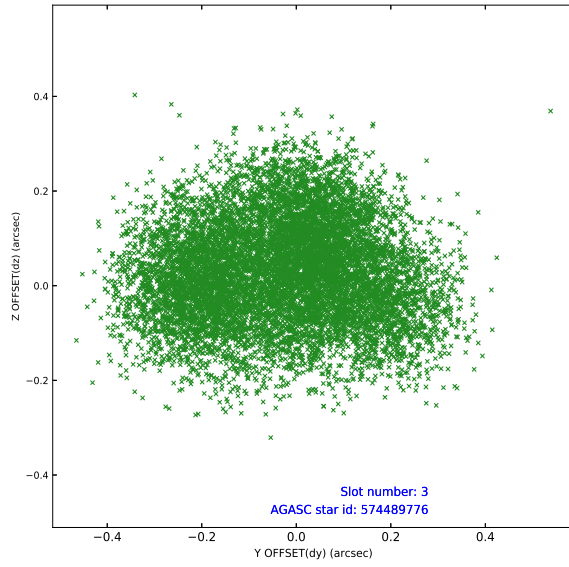


Slot Statistics

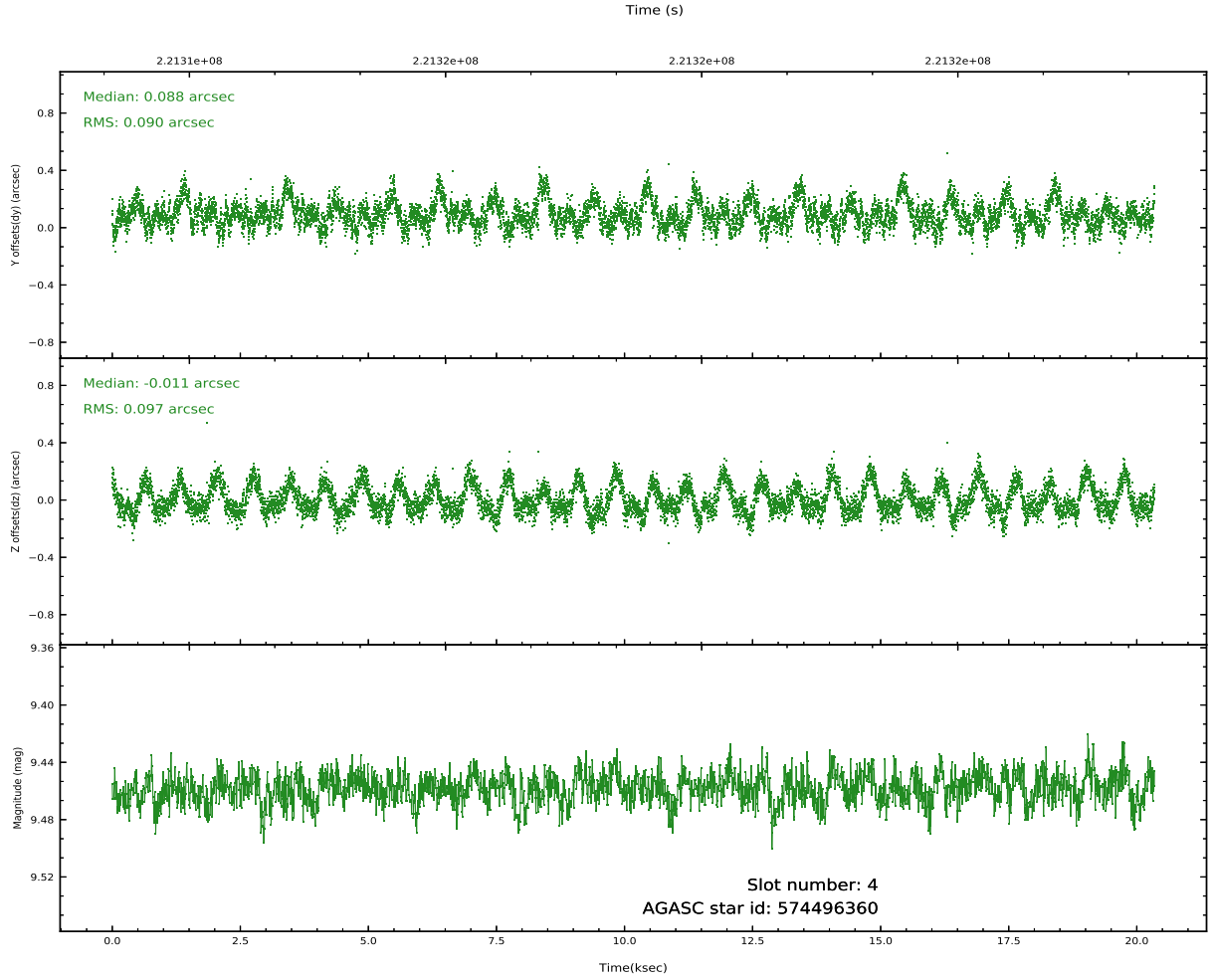
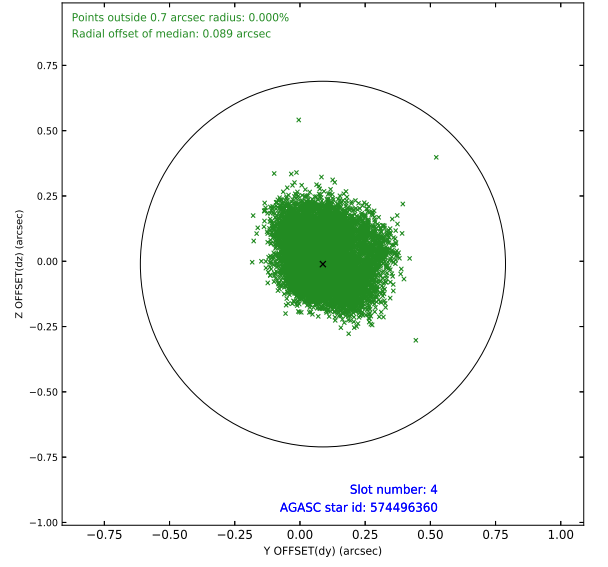
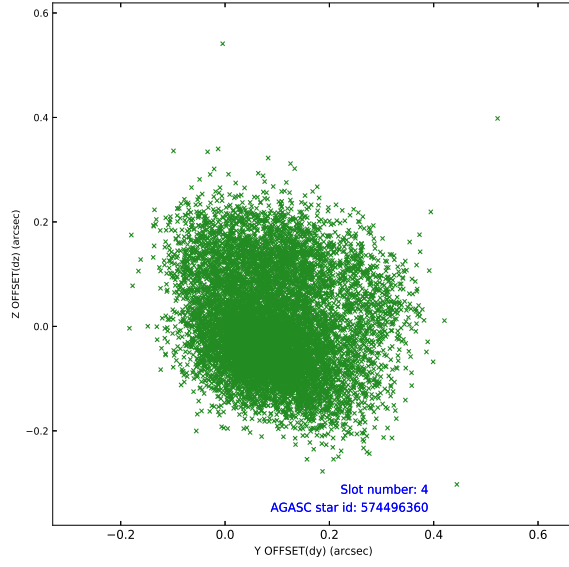
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.23	4961	1.000	0.084	-0.098	0.010	0.016	0.000000	0.000000	934.12	-992
1	FID		ACIS-I-2	7.18	4963	1.000	-0.209	0.030	0.007	0.012	0.000000	0.000000	-760.57	-997
2	FID		ACIS-I-4	7.14	4960	1.000	0.028	0.134	0.007	0.012	0.000000	0.000000	2153.32	908
3	GUIDE	used	574489776	10.14	9914	1.000	-0.018	0.026	0.210	0.317	148.323662	69.046710	1825.58	2157
4	GUIDE	used	574496360	9.46	9913	1.000	0.088	-0.011	0.142	0.232	150.806604	68.529829	-1624.42	738
5	GUIDE	used	574628888	10.14	9919	1.000	0.011	0.019	0.188	0.298	152.641133	68.801223	-2234.00	-1783
6	GUIDE	used	574630280	10.61	9910	1.000	-0.023	-0.009	0.240	0.409	152.164287	69.175741	-776.96	-2054
7	GUIDE	used	574494880	11.10	9707	1.000	-0.035	-0.041	0.362	0.573	149.009874	68.677374	230.28	2289

2.4 Star Slots

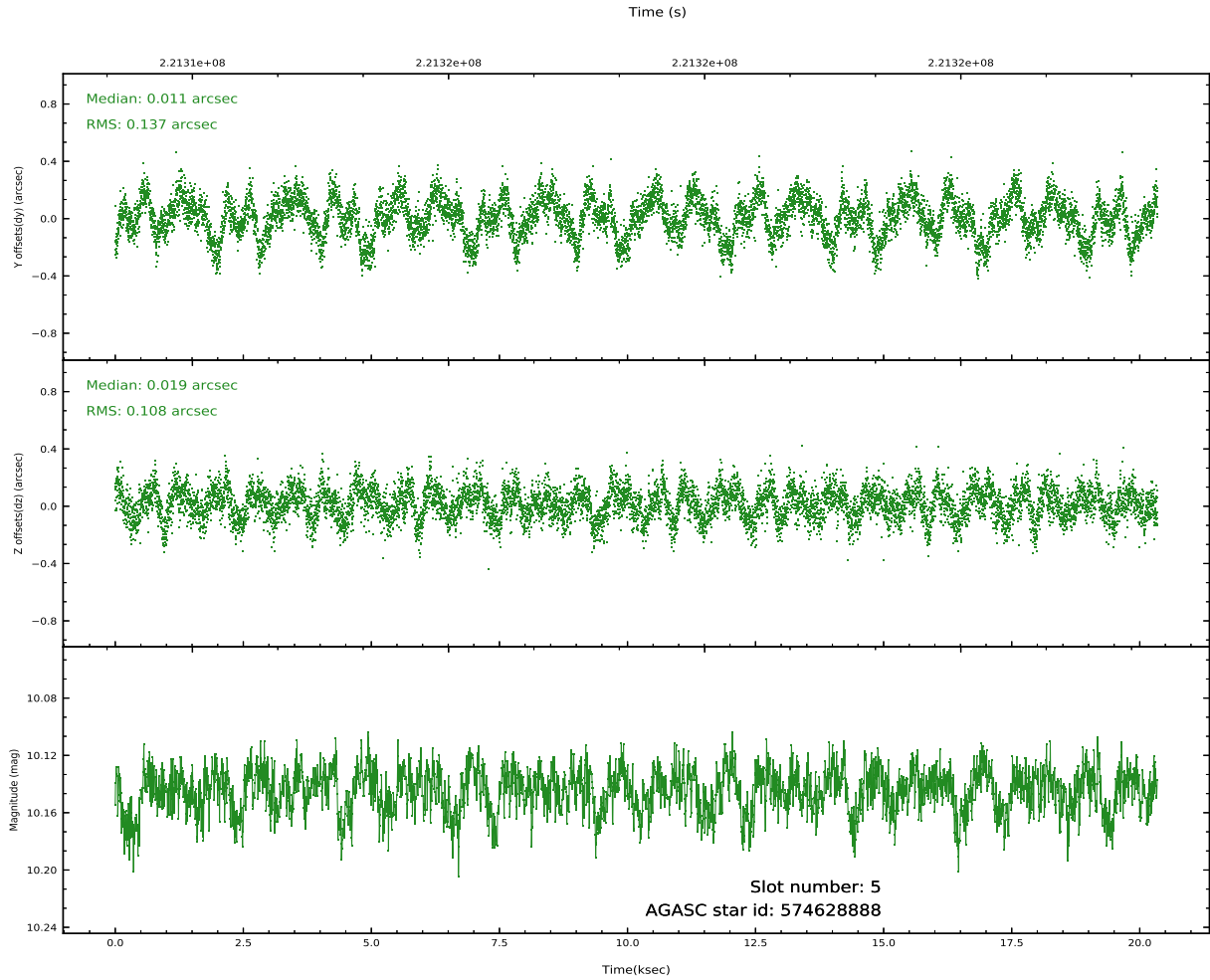
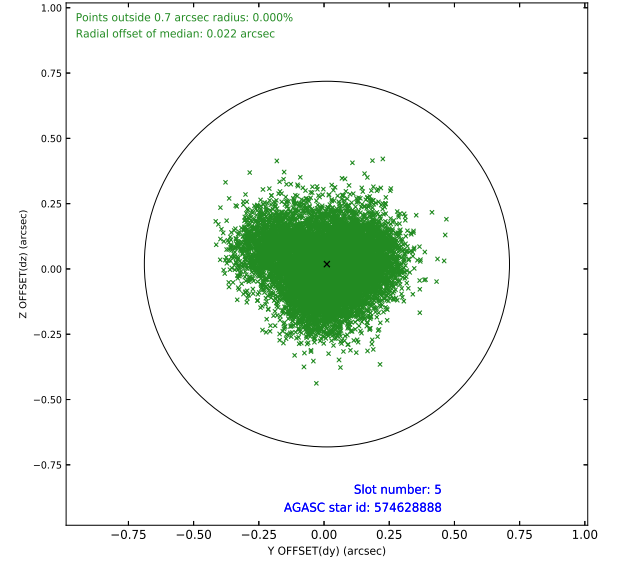
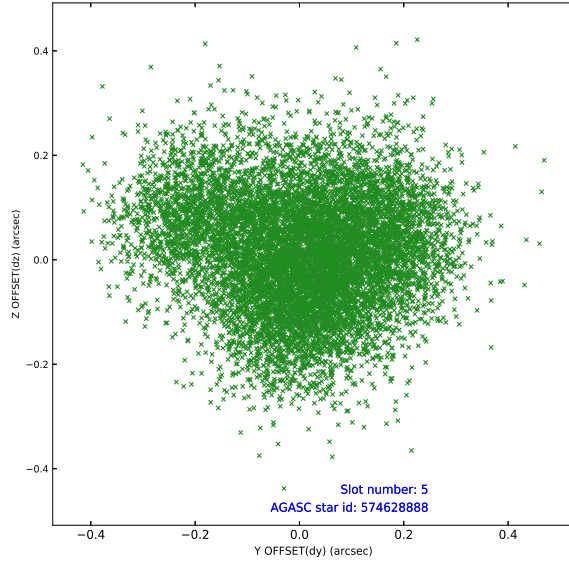
2.4.1 Slot 3



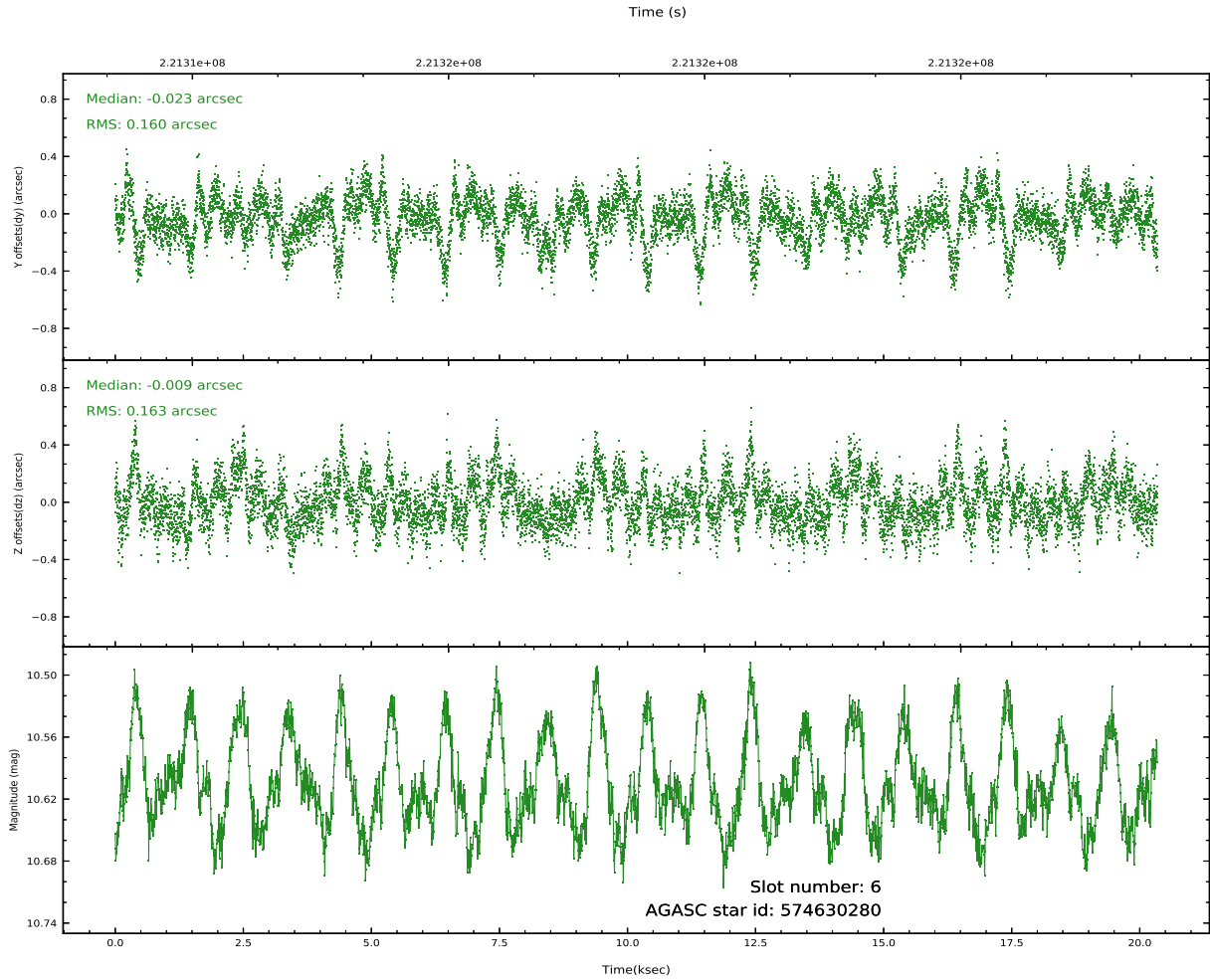
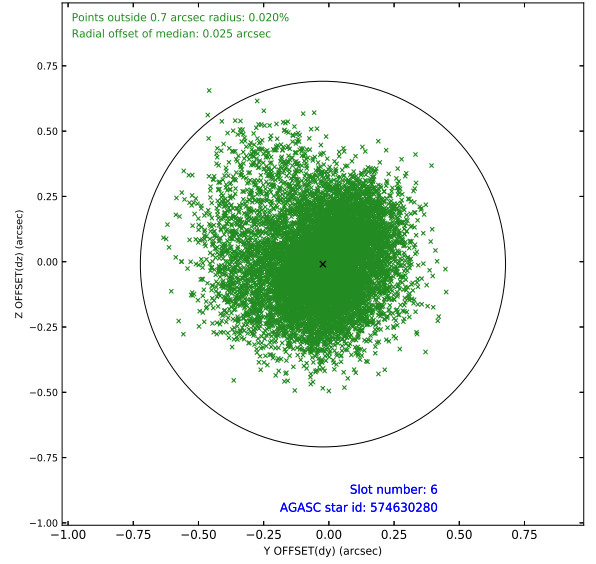
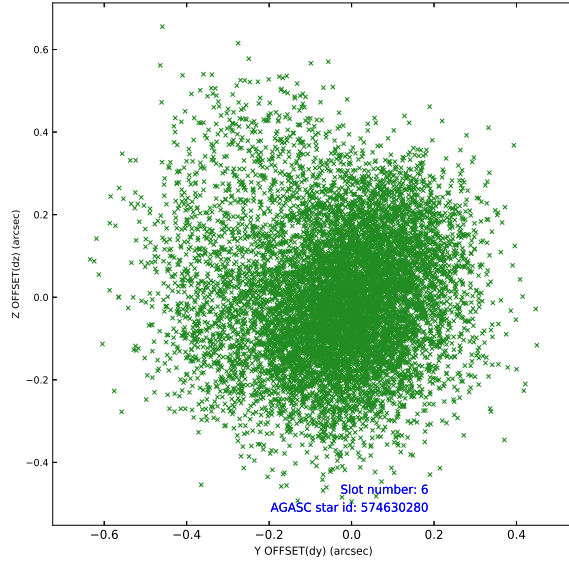
2.4.2 Slot 4



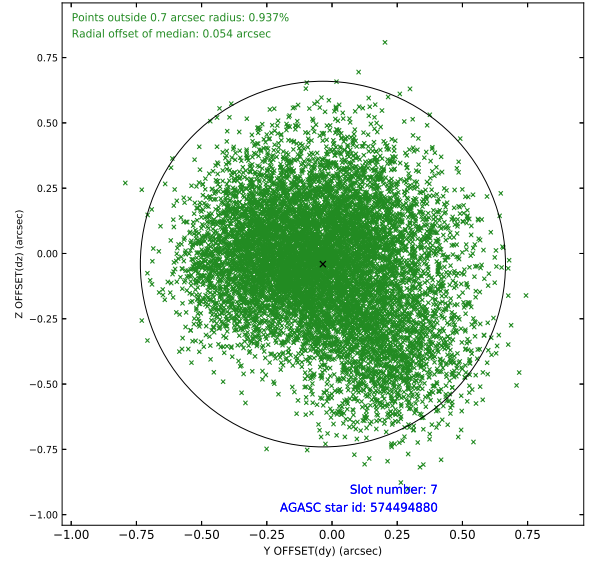
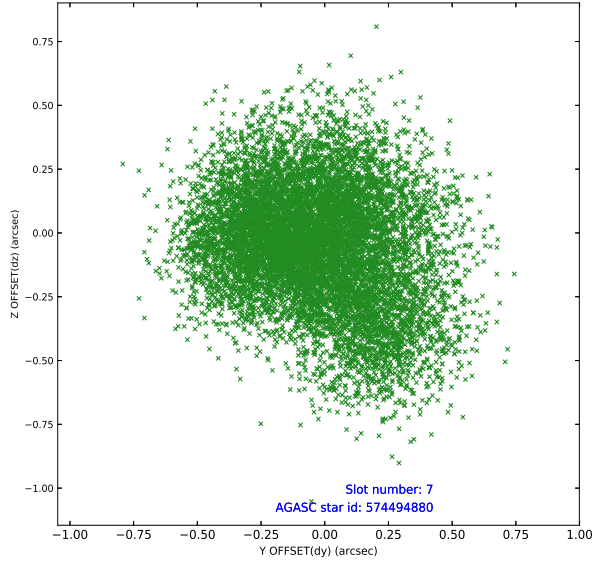
2.4.3 Slot 5



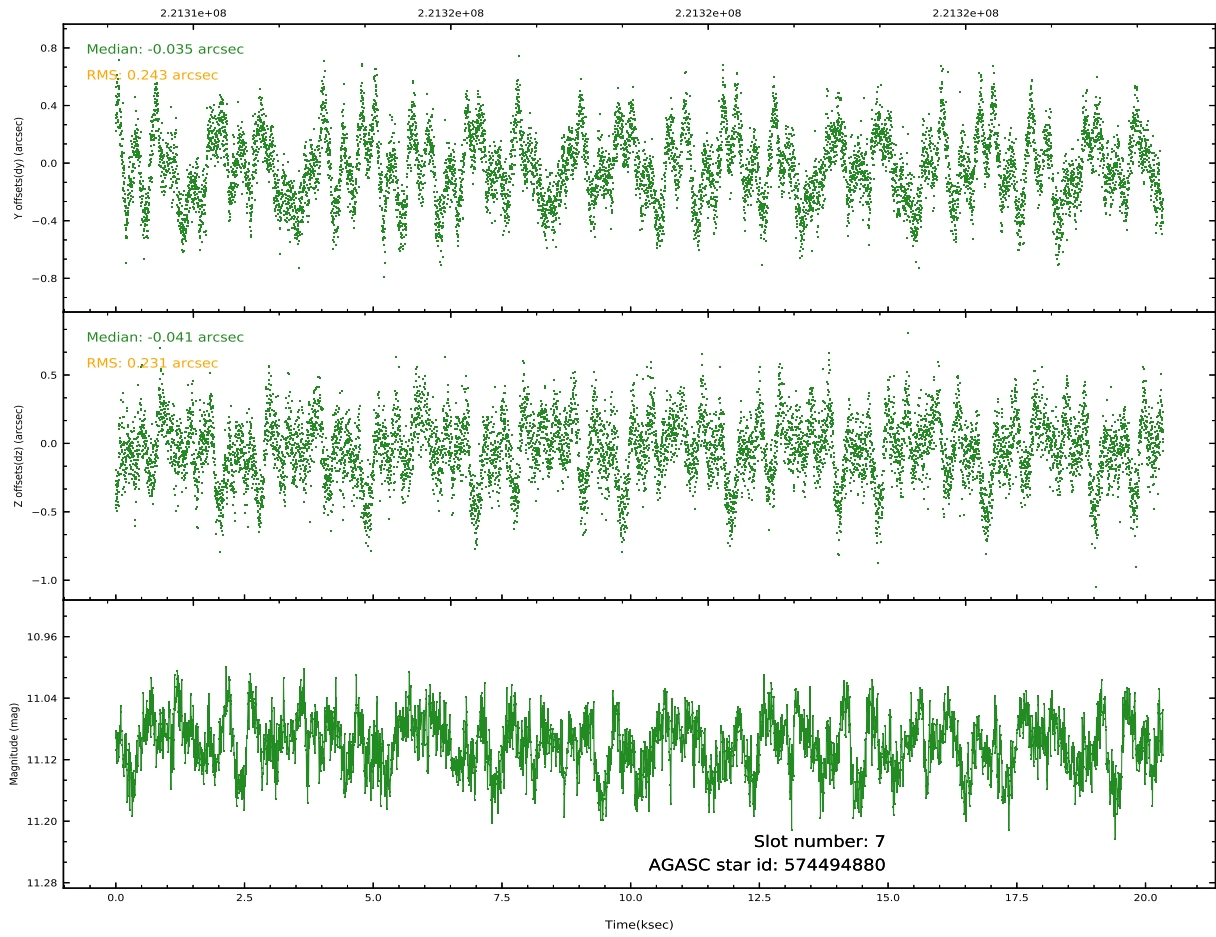
2.4.4 Slot 6



2.4.5 Slot 7

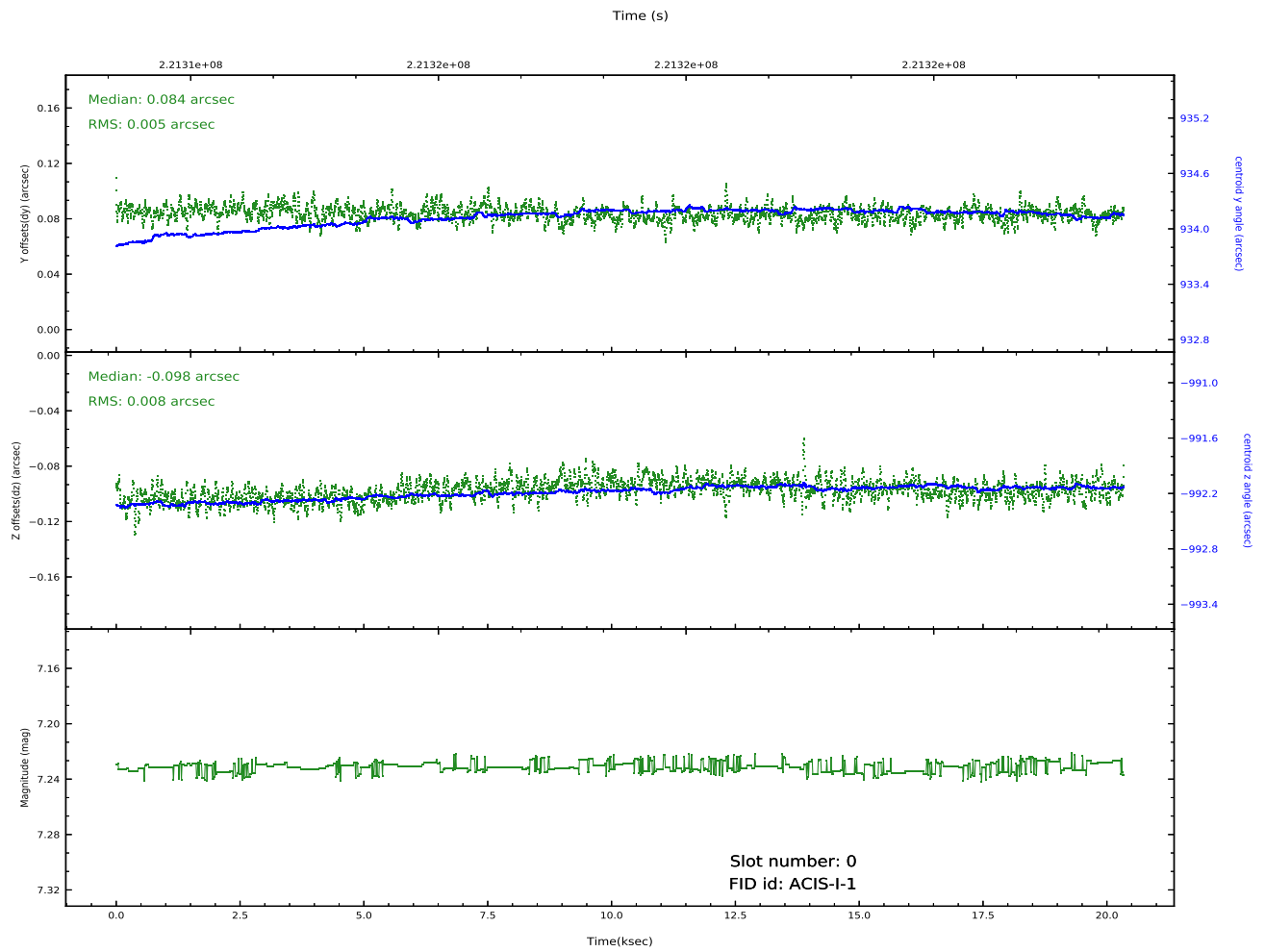
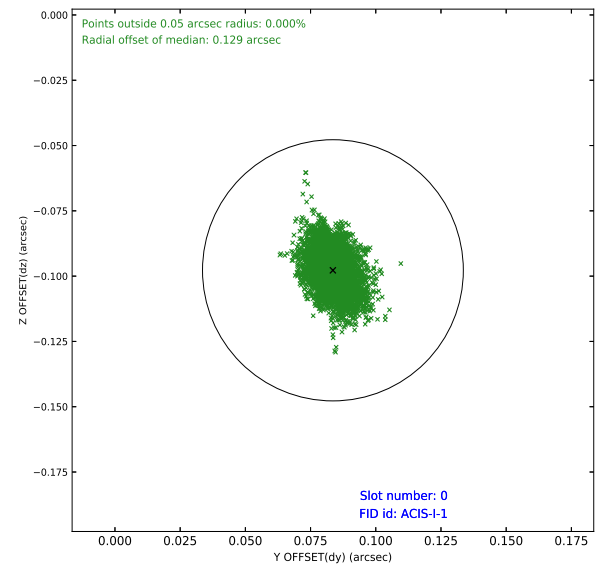
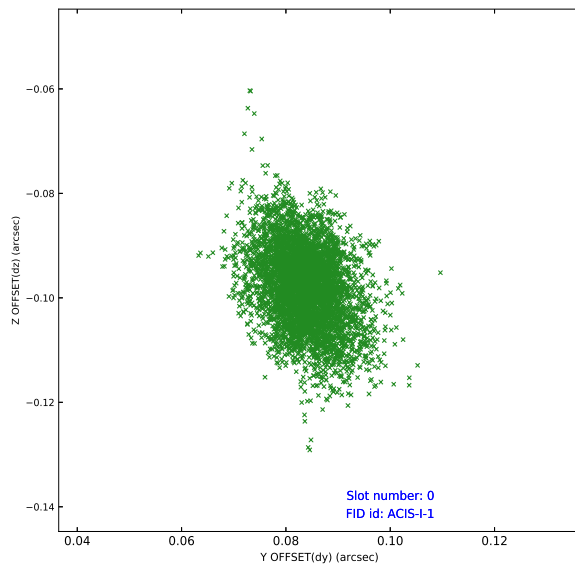


Time (s)

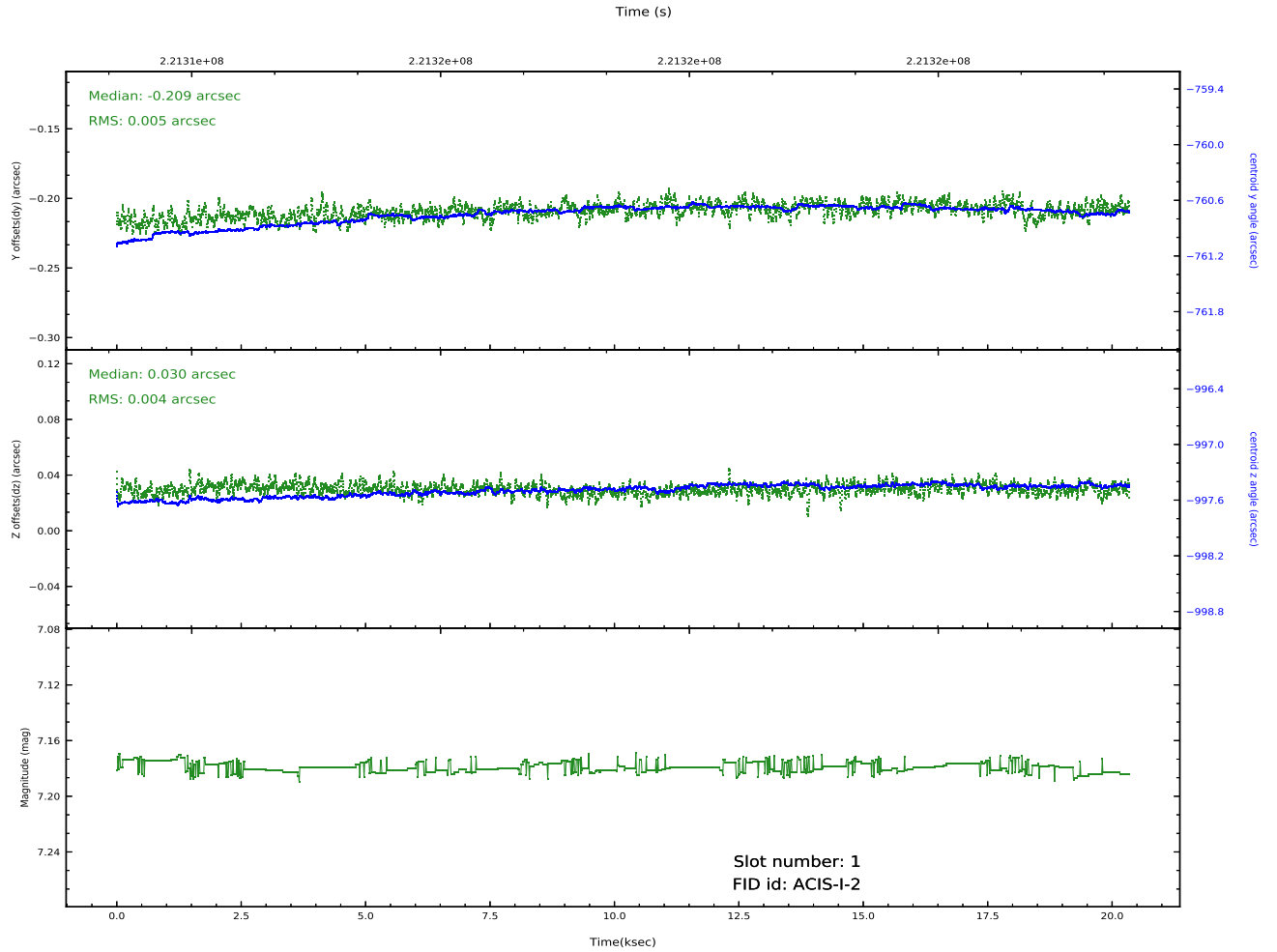
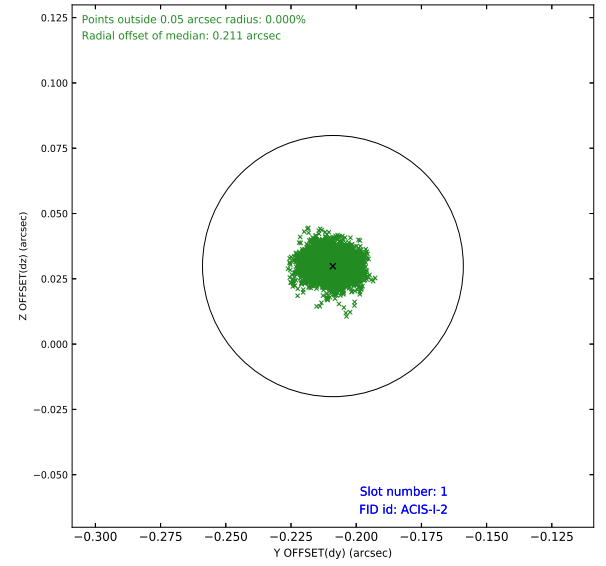
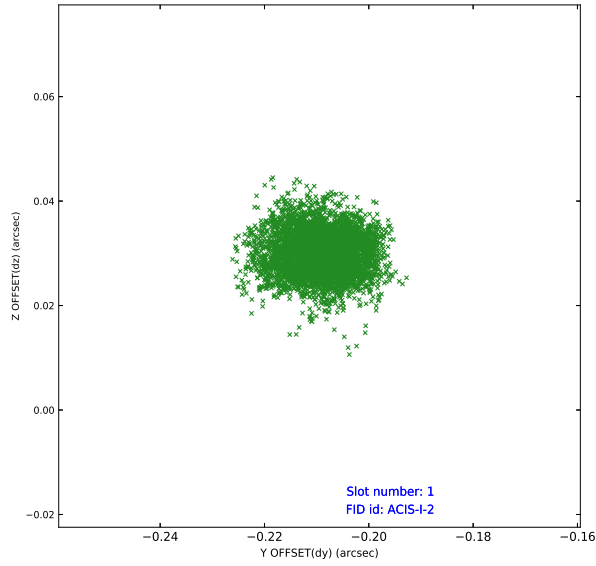


2.5 FID Slots

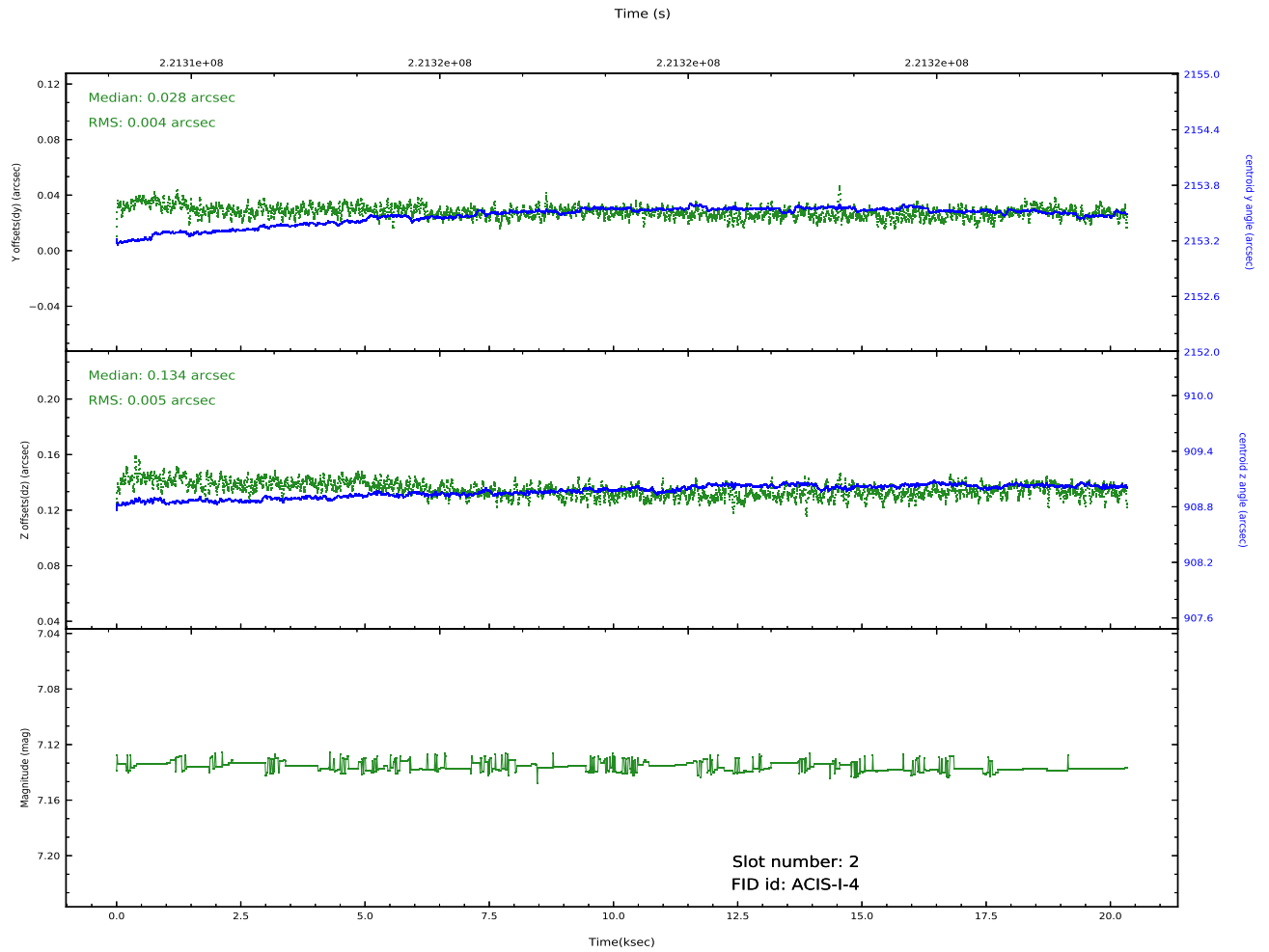
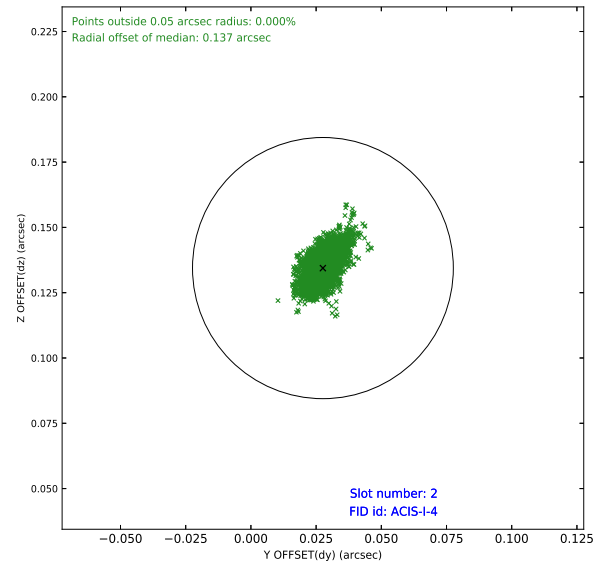
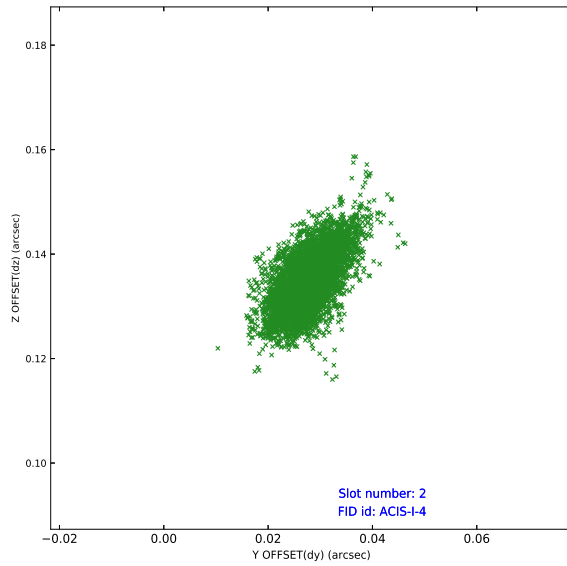
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.05389

A.2 Comments