

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5406 - L2 Version 4
Chandra X-Ray Center

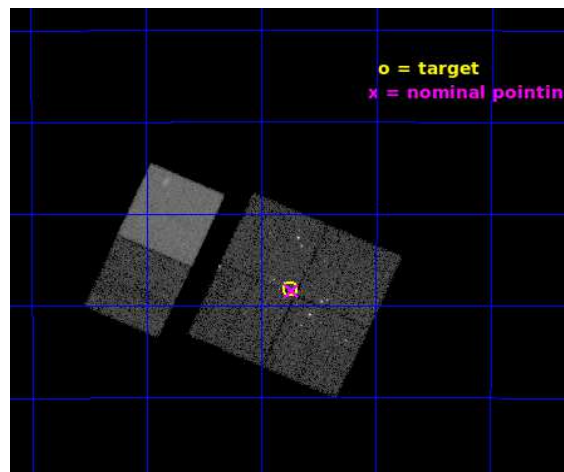
L2 Processing Date : Oct 9 2020

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1 Front

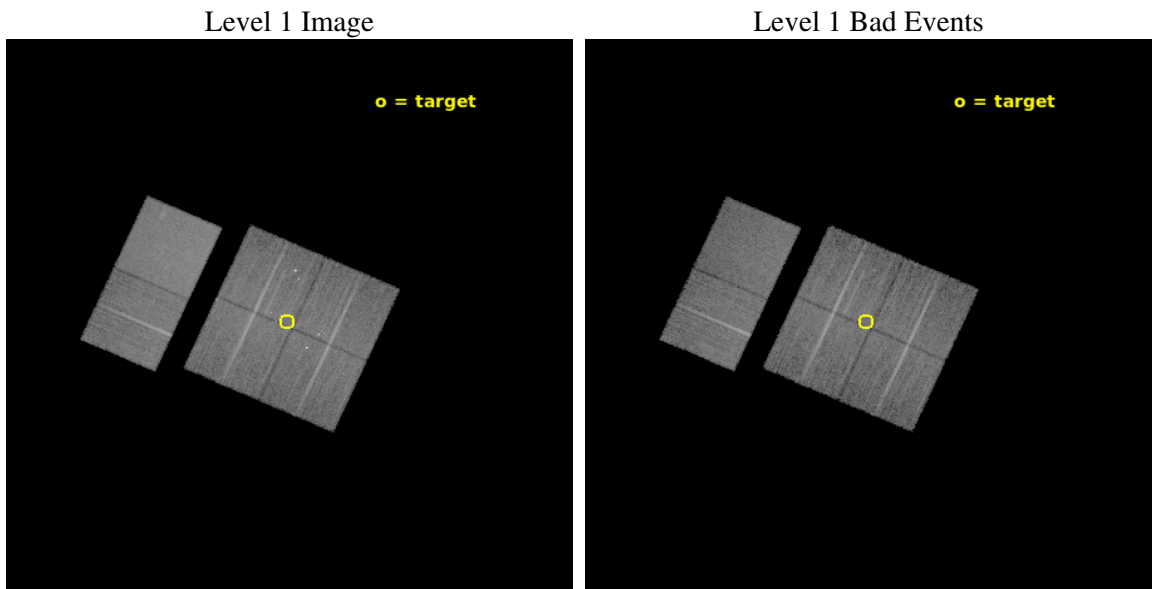
seq_num	200340	Sequence number
obs_id	5406	Observation id
title	Simultaneous X-ray and Radio Monitoring of YSO Activity in the Coronet Cluster	Proposal title
observer	Dr Jan Forbrich	Principal investigator
object	Coronet Cluster	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	285.4375	Observer's specified target RA [deg]
dec_targ	-36.969167	Observer's specified target Dec [deg]
ra_nom	285.4331967858	Nominal RA [deg]
dec_nom	-36.972956887058	Nominal Dec [deg]
roll_nom	294.15082304255	Nominal Roll [deg]
revision	4	Processing version of data
ontime	14754.047110528	Sum of GTIs [s]
livetime	14567.222482194	Livetime [s]
ontime0	14753.923990548	Sum of GTIs [s]
ontime1	14753.965030521	Sum of GTIs [s]
ontime2	14754.006050617	Sum of GTIs [s]
ontime3	14754.047110528	Sum of GTIs [s]
ontime6	14754.129170626	Sum of GTIs [s]
ontime7	14754.088130623	Sum of GTIs [s]
l2events	123411	Number of level 2 events



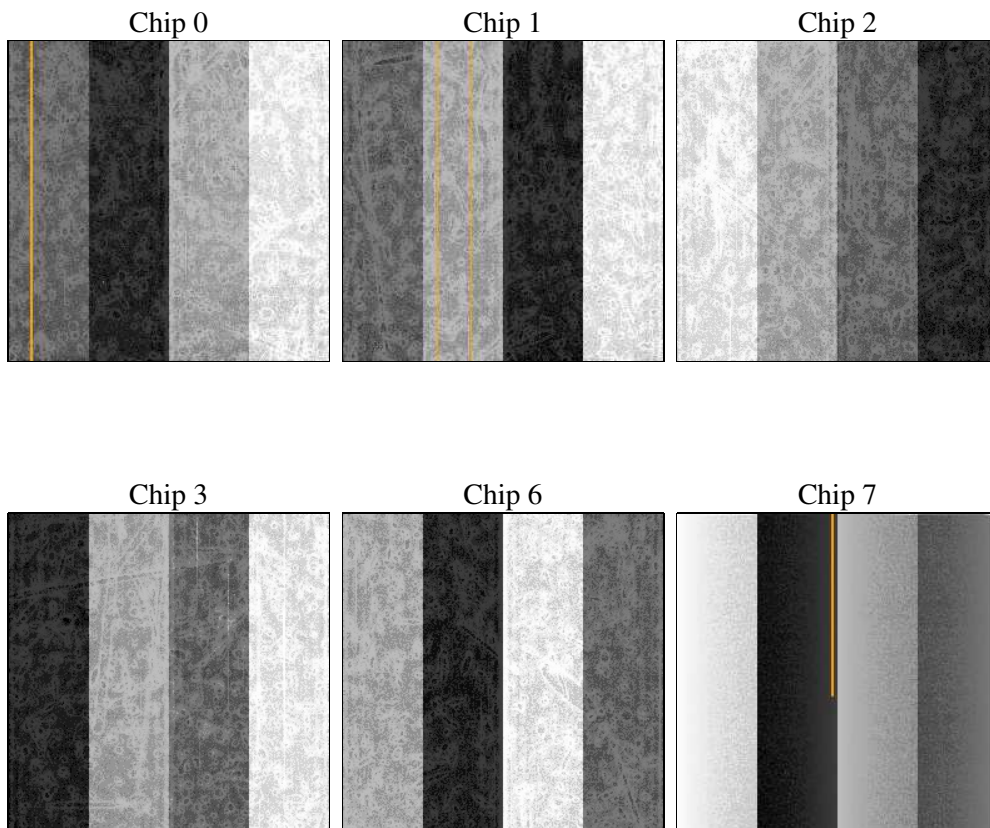
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	14754.047110528	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	14753.923990548	Sum of GTIs [s]
date	2020-10-09T19:52:18	Date and time of file creation	ontime1	14753.965030521	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	14754.006050617	Sum of GTIs [s]
			ontime3	14754.047110528	Sum of GTIs [s]
			ontime6	14754.129170626	Sum of GTIs [s]
			ontime7	14754.088130623	Sum of GTIs [s]
			l1events	671728	Number of level 1 events

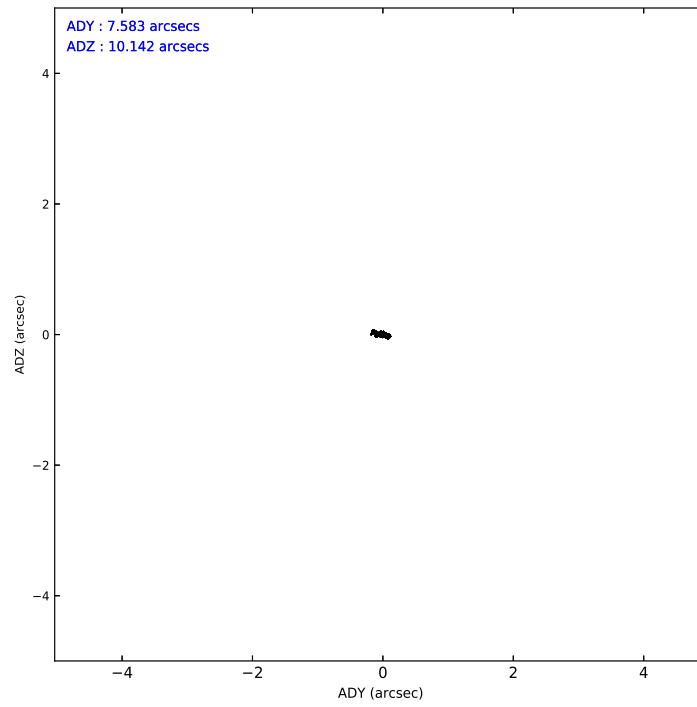
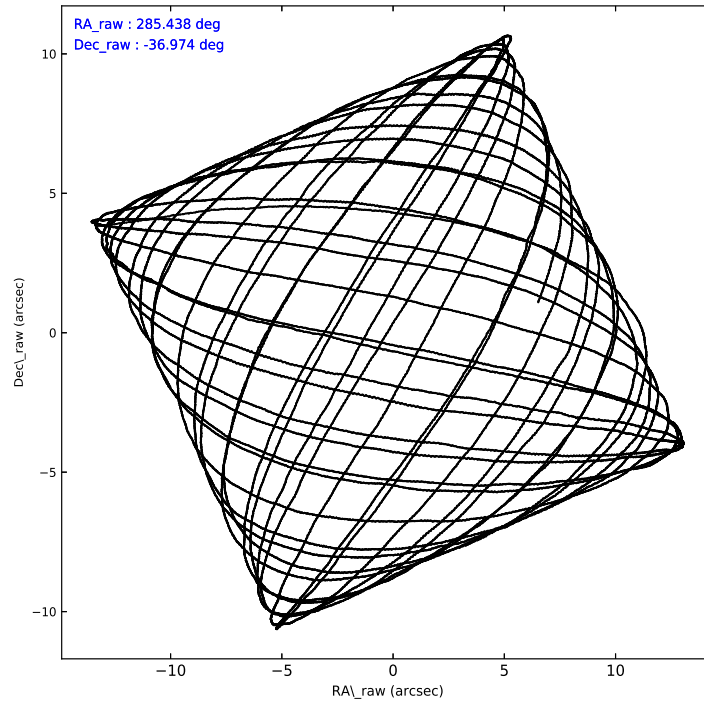
2.1.4 Events

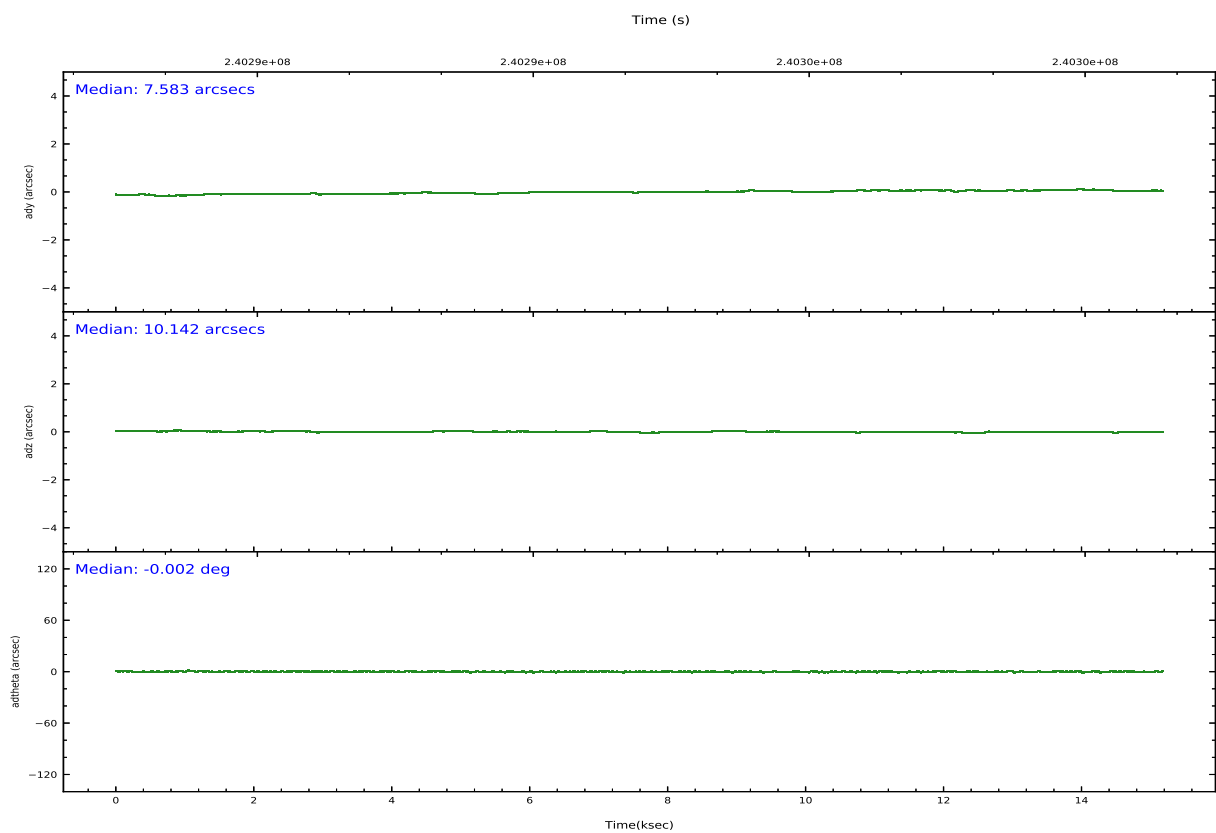
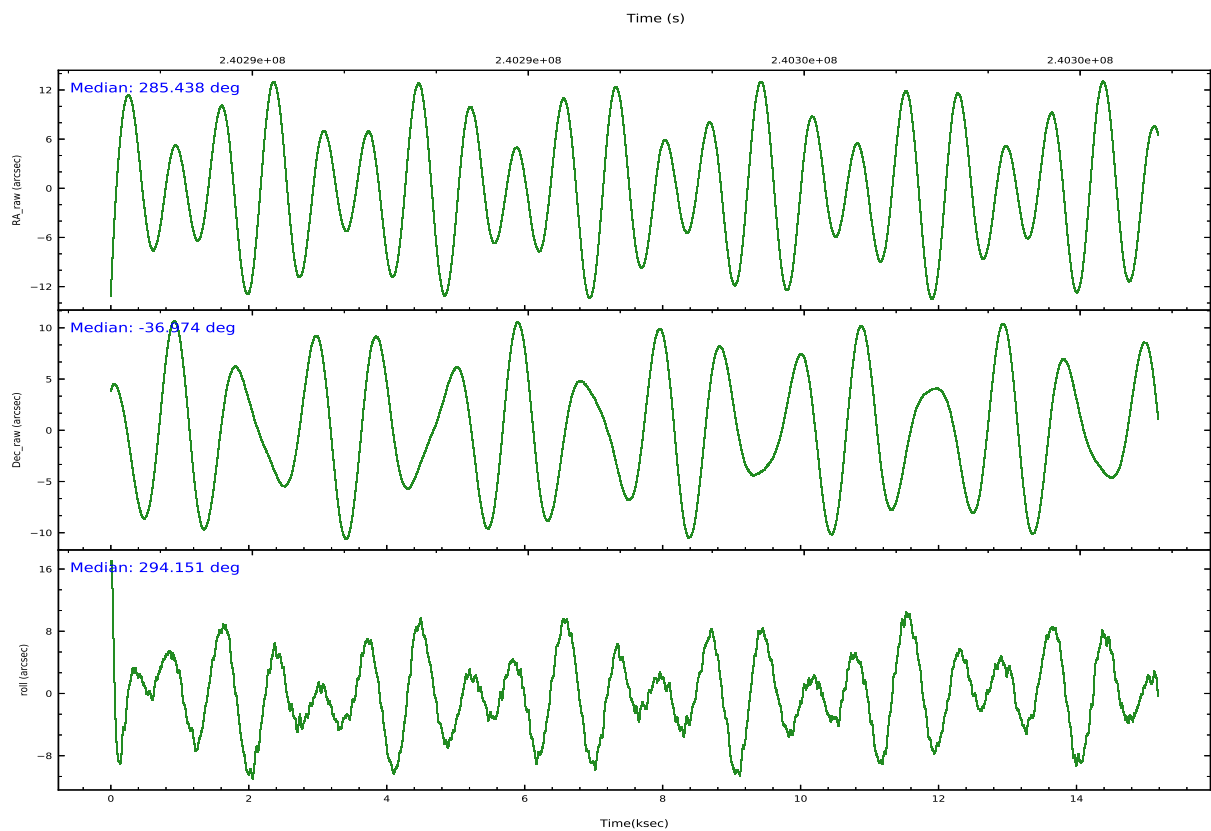
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	100540	100246	105433	108749	111307	145453	grade 0 events	8616	6659	5683	8681	4833	5530
rejected events	83668	84829	92561	92240	98568	84817		8%	6%	5%	7%	4%	3%
rejected %	83%	84%	87%	84%	88%	58%	grade 1 events	291	66	65	113	63	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	3138	3236	2585	2818	2794	12121
								3%	3%	2%	2%	2%	8%
							grade 3 events	1442	1400	1241	1310	1215	5301
								1%	1%	1%	1%	1%	3%
							grade 4 events	1318	1358	1159	1412	1223	5261
								1%	1%	1%	1%	1%	3%
							grade 5 events	4514	4570	4131	4884	5210	14144
								4%	4%	3%	4%	4%	9%
							grade 6 events	2365	2768	2219	2294	2679	32445
								2%	2%	2%	2%	2%	22%
							grade 7 events	78856	80189	88350	87237	93290	70518
								78%	79%	83%	80%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	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	285.409759	285.4331967858	Subarray requested	NONE	NONE
[deg] Pointing Dec	-36.957857	-36.972956887058	Alternating exposures requested	N	N
[deg] Pointing Roll	293.932652	294.15082304255	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	240286130.184000	240285080.92985			
Observation start date	2005-08-13T02:07:46	2005-08-13T01:51:20			
[s] Observation end time (MET)	240301130.184000	240302072.35563			
Observation end date	2005-08-13T06:17:46	2005-08-13T06:34:32			
Read mode	TIMED	TIMED			

2.3 Aspect



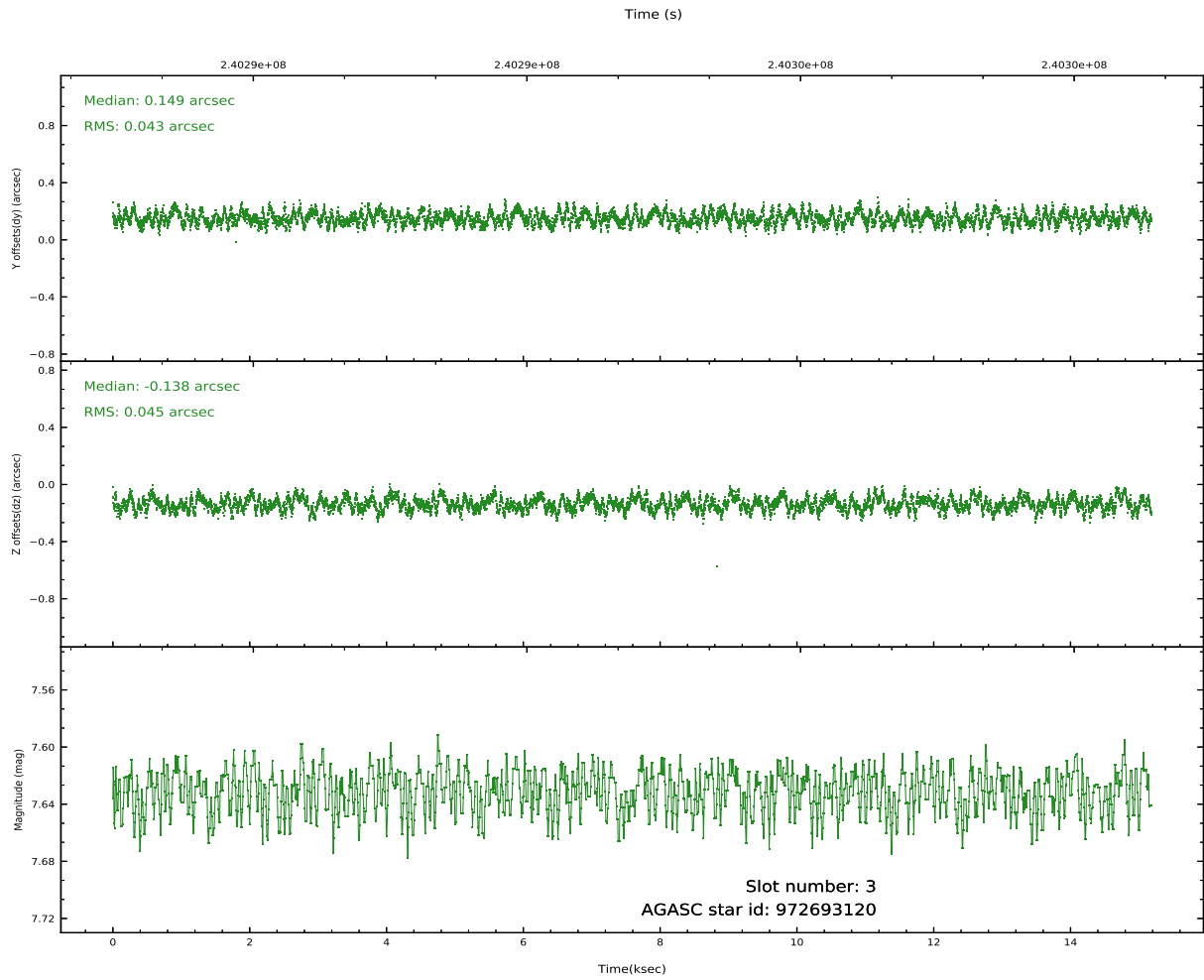
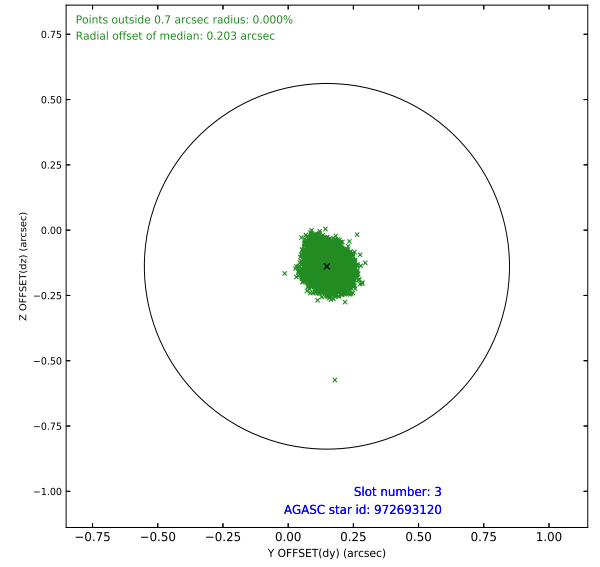
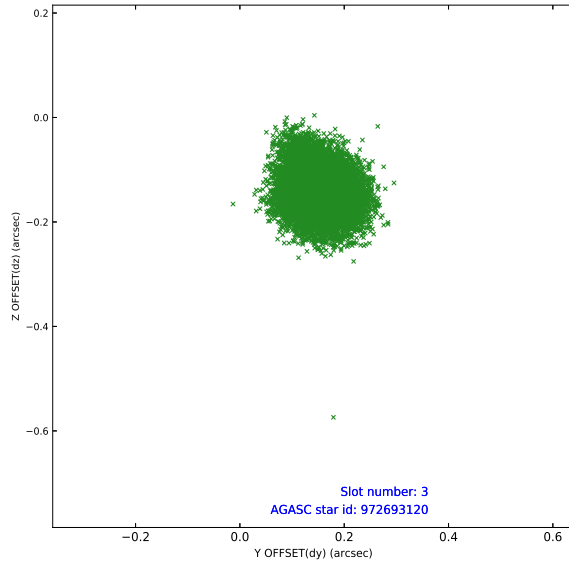


Slot Statistics

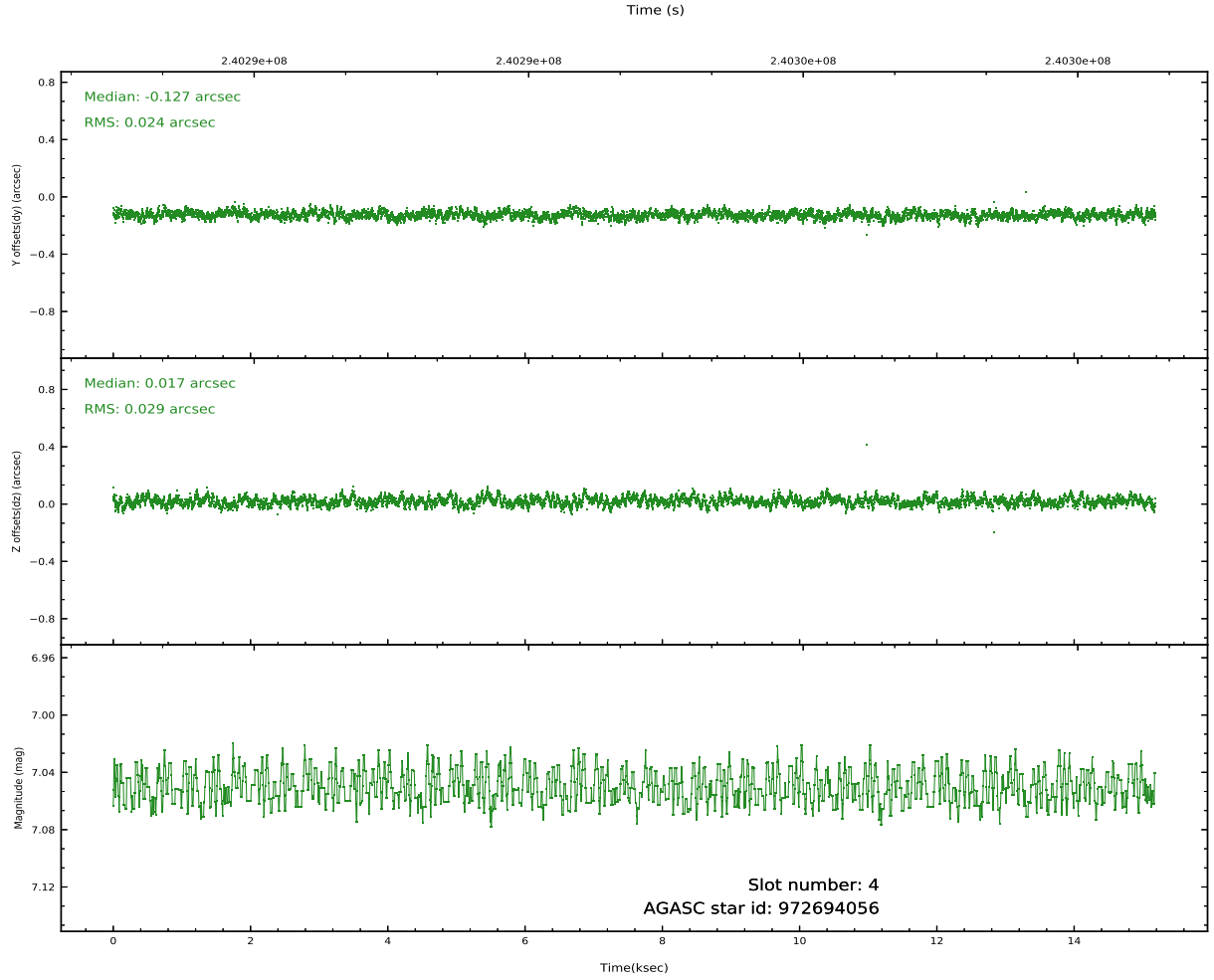
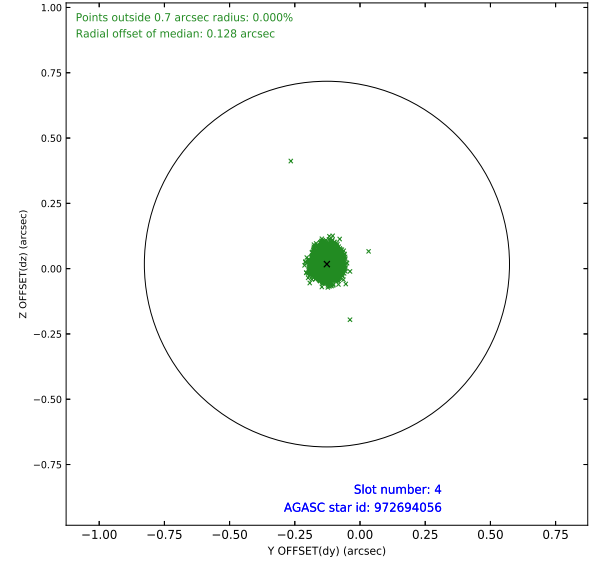
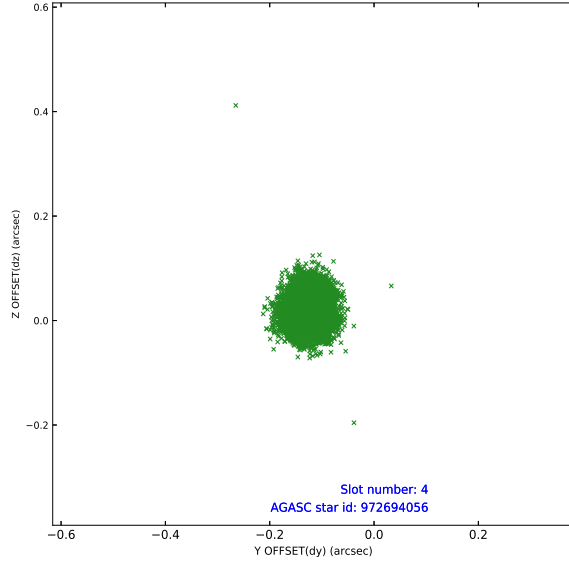
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	3704	1.000	0.029	-0.023	0.007	0.011	0.000000	0.000000	932.13	-833
1	FID		ACIS-I-5	7.23	3704	1.000	-0.220	0.026	0.006	0.012	0.000000	0.000000	-1816.08	1063
2	FID		ACIS-I-6	7.25	3704	1.000	0.100	0.067	0.007	0.012	0.000000	0.000000	397.41	1708
3	GUIDE	used	972693120	7.63	7408	1.000	0.149	-0.138	0.068	0.101	285.412210	-36.890704	-217.54	104
4	GUIDE	used	972694056	7.05	7408	1.000	-0.127	0.017	0.040	0.064	285.682787	-36.657985	-665.81	1158
5	GUIDE	used	1037567144	8.74	7404	1.000	0.110	-0.037	0.068	0.112	284.940440	-37.605390	1591.47	-2170
6	GUIDE	used	972689192	8.92	7405	1.000	-0.150	0.016	0.081	0.132	284.589186	-37.133486	-367.29	-2413
7	GUIDE	used	972816680	9.15	7401	1.000	0.018	0.140	0.089	0.139	286.054324	-36.904693	583.53	1770

2.4 Star Slots

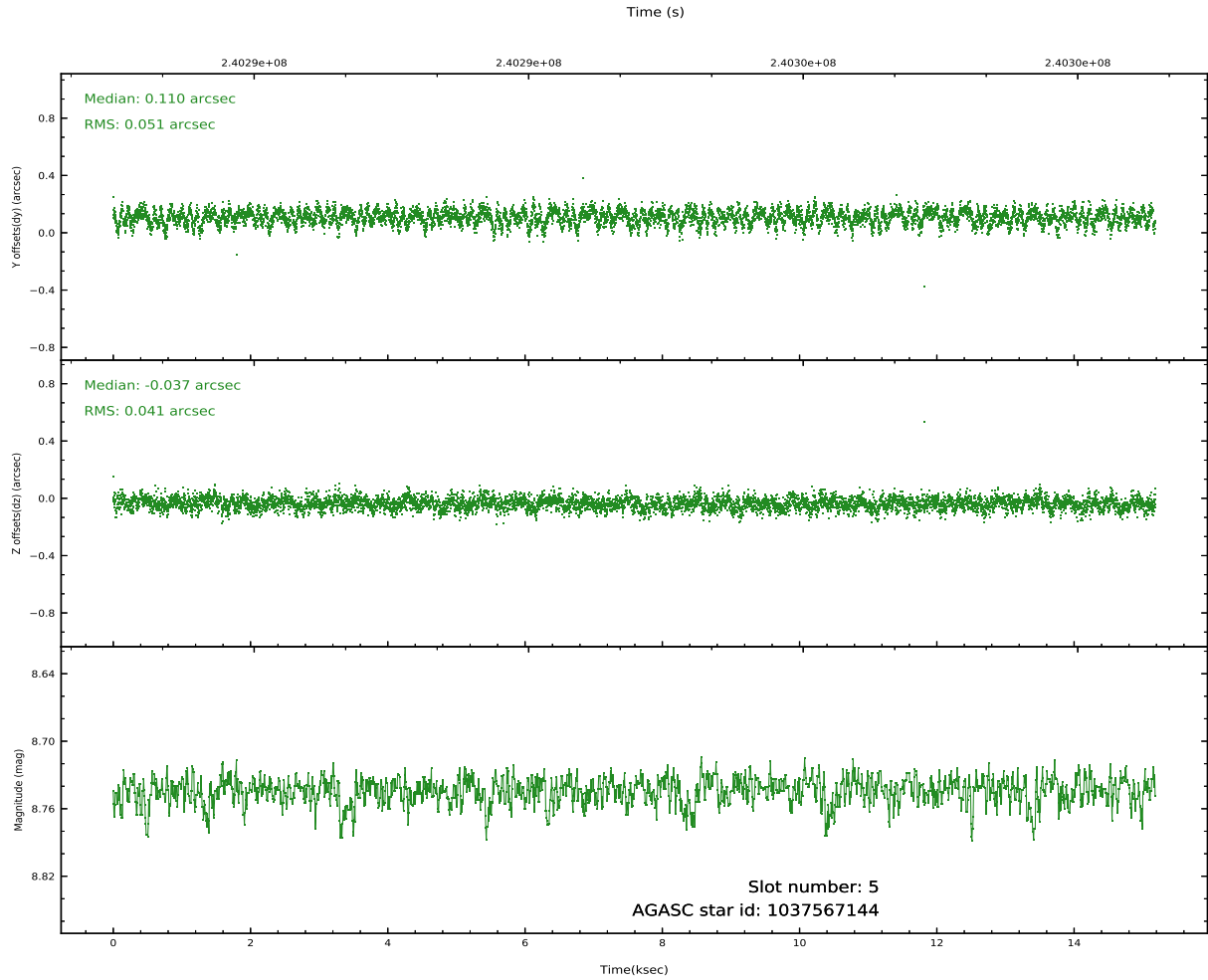
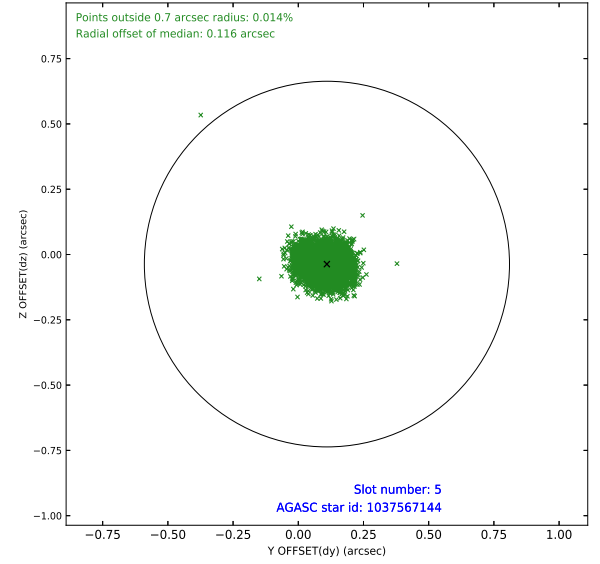
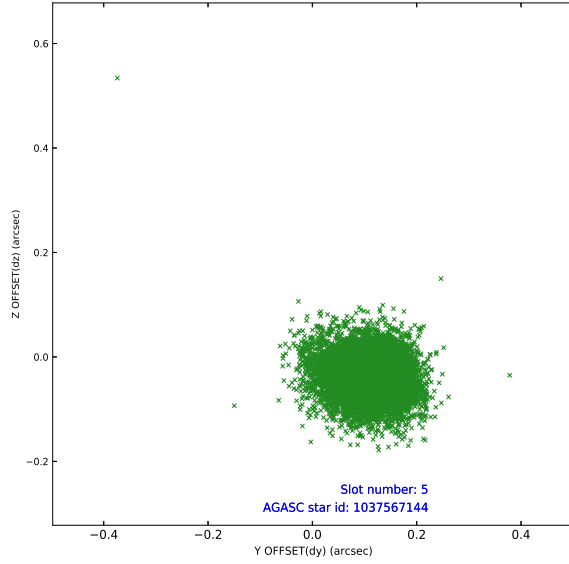
2.4.1 Slot 3



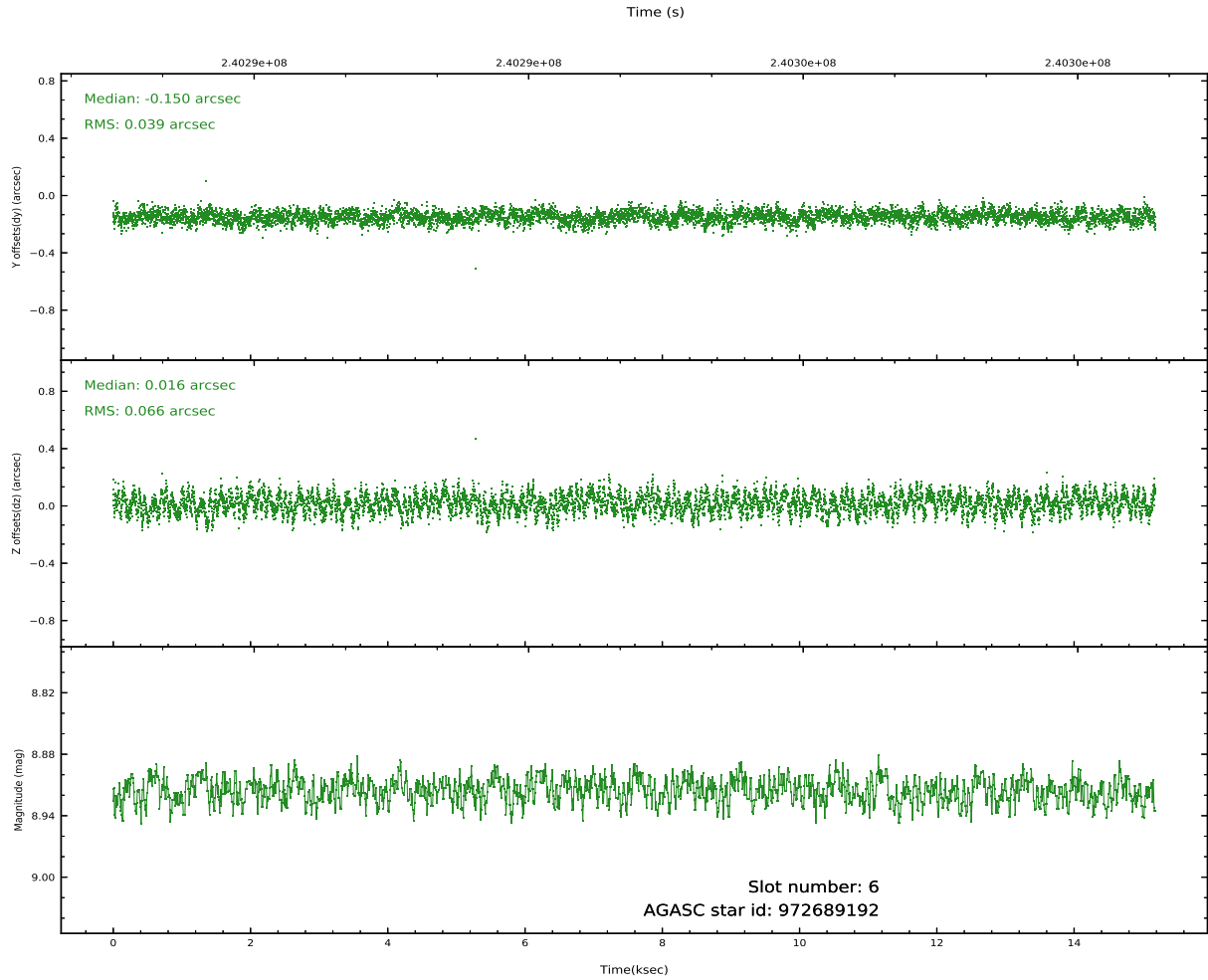
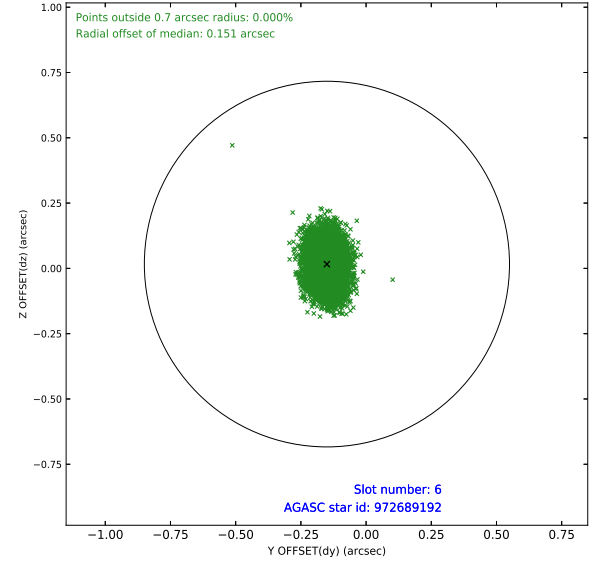
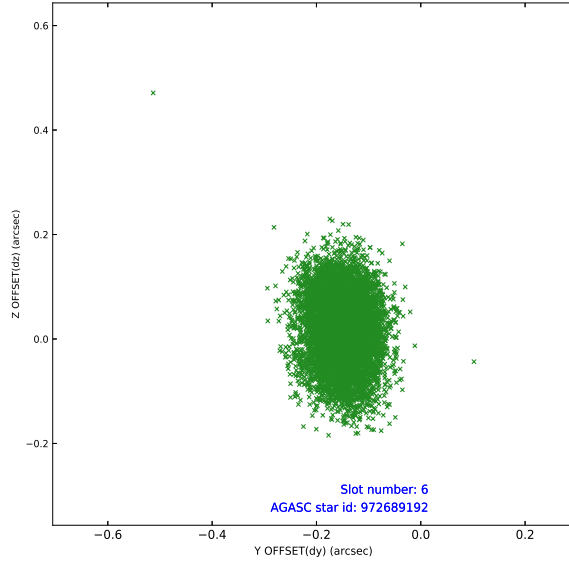
2.4.2 Slot 4



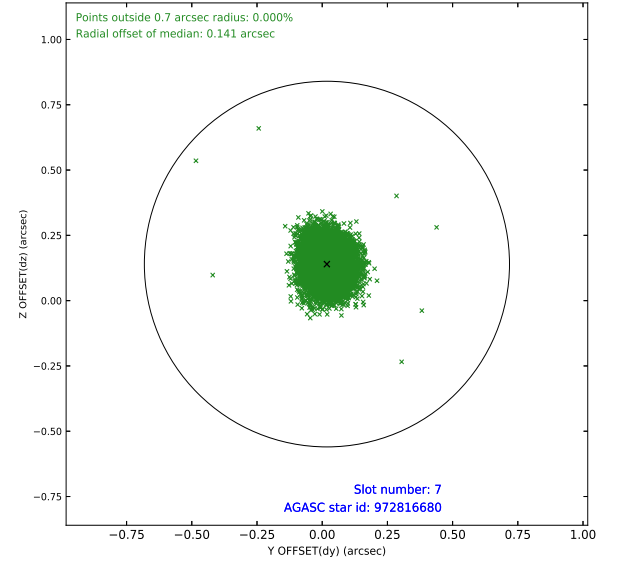
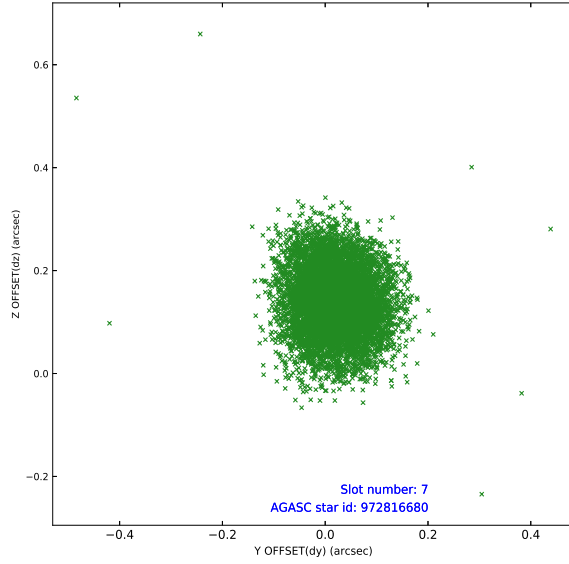
2.4.3 Slot 5



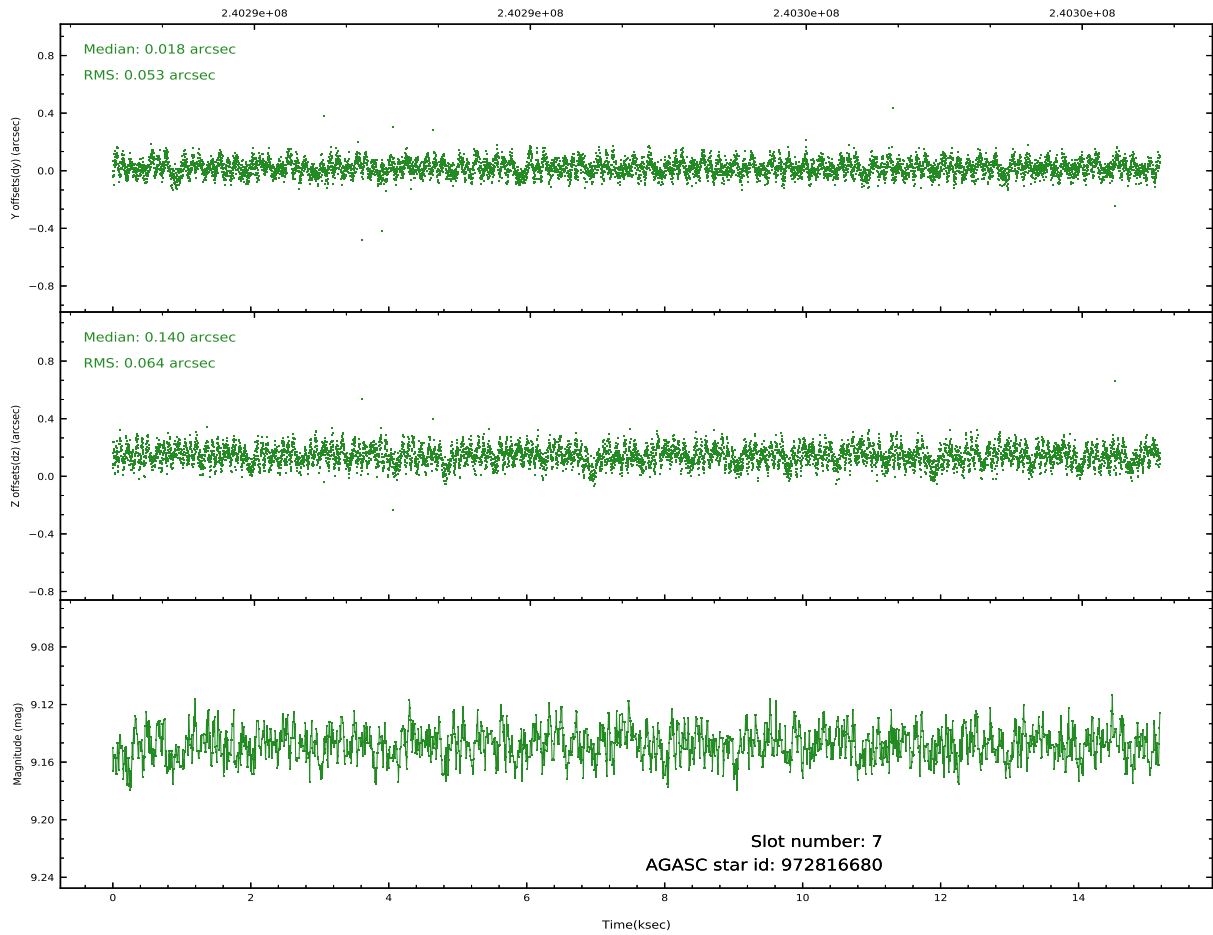
2.4.4 Slot 6



2.4.5 Slot 7

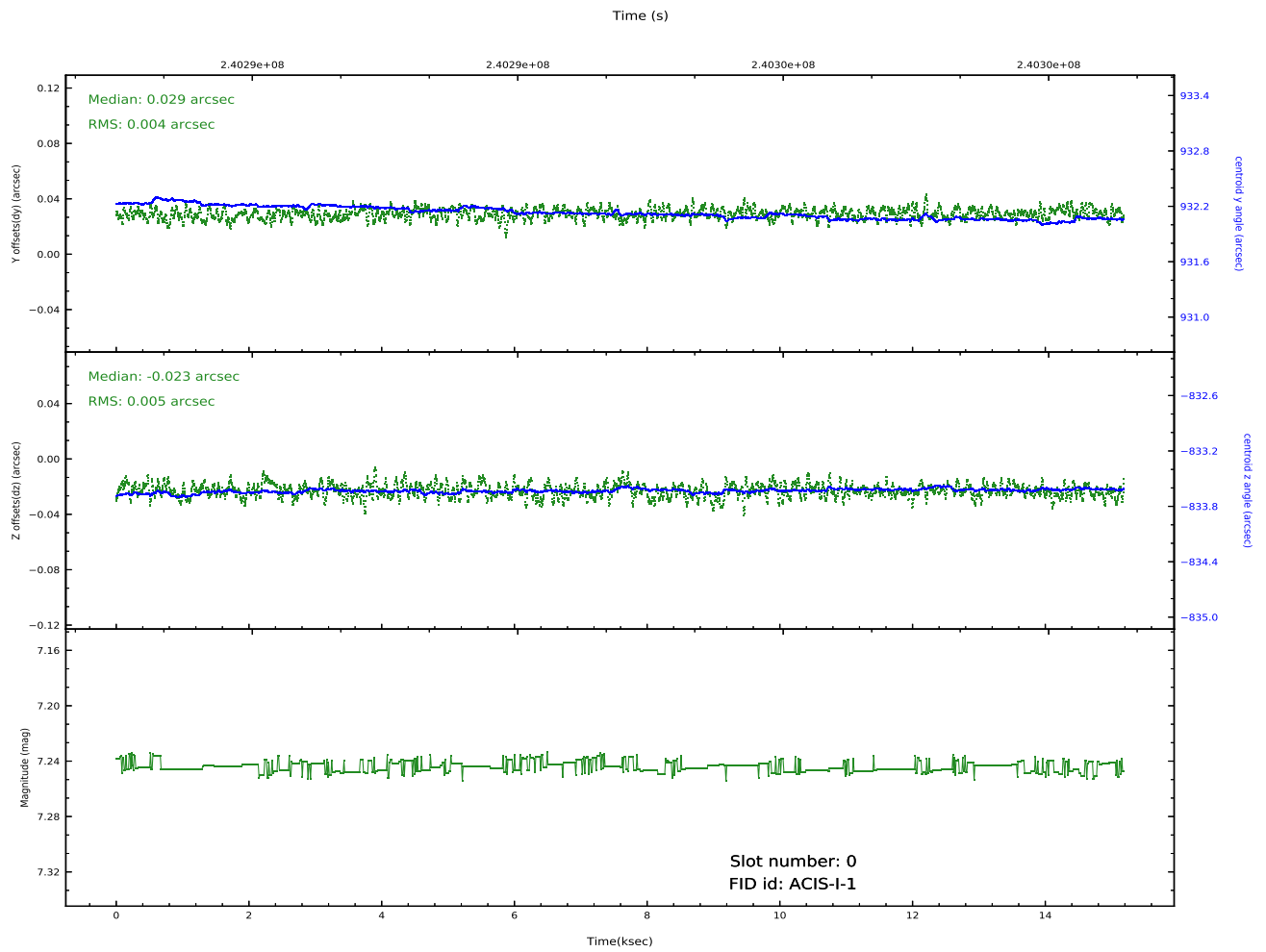
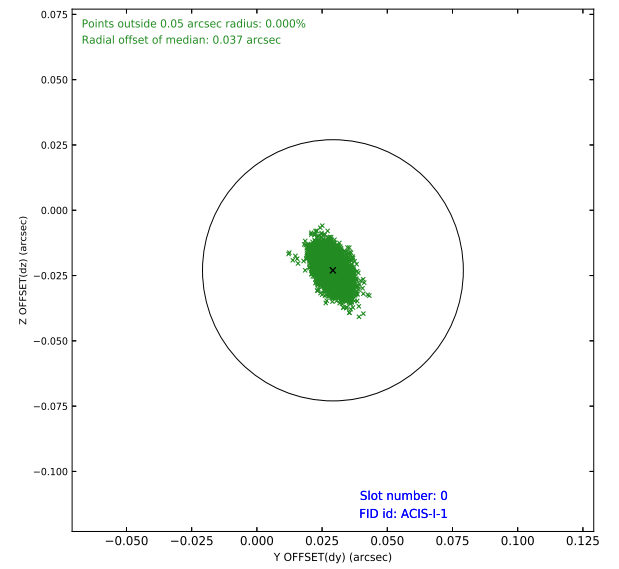
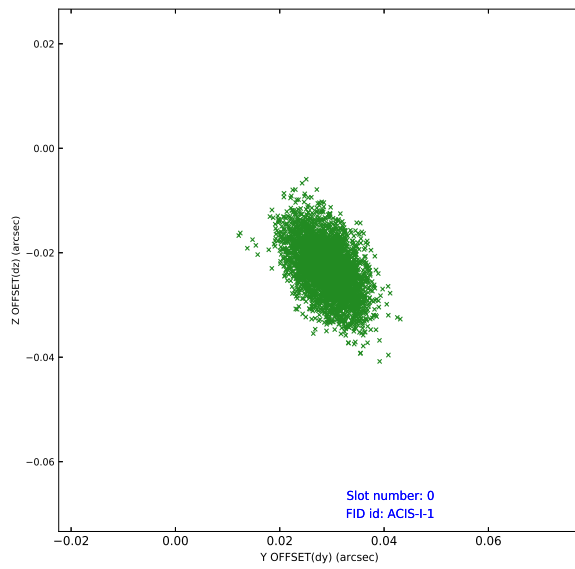


Time (s)

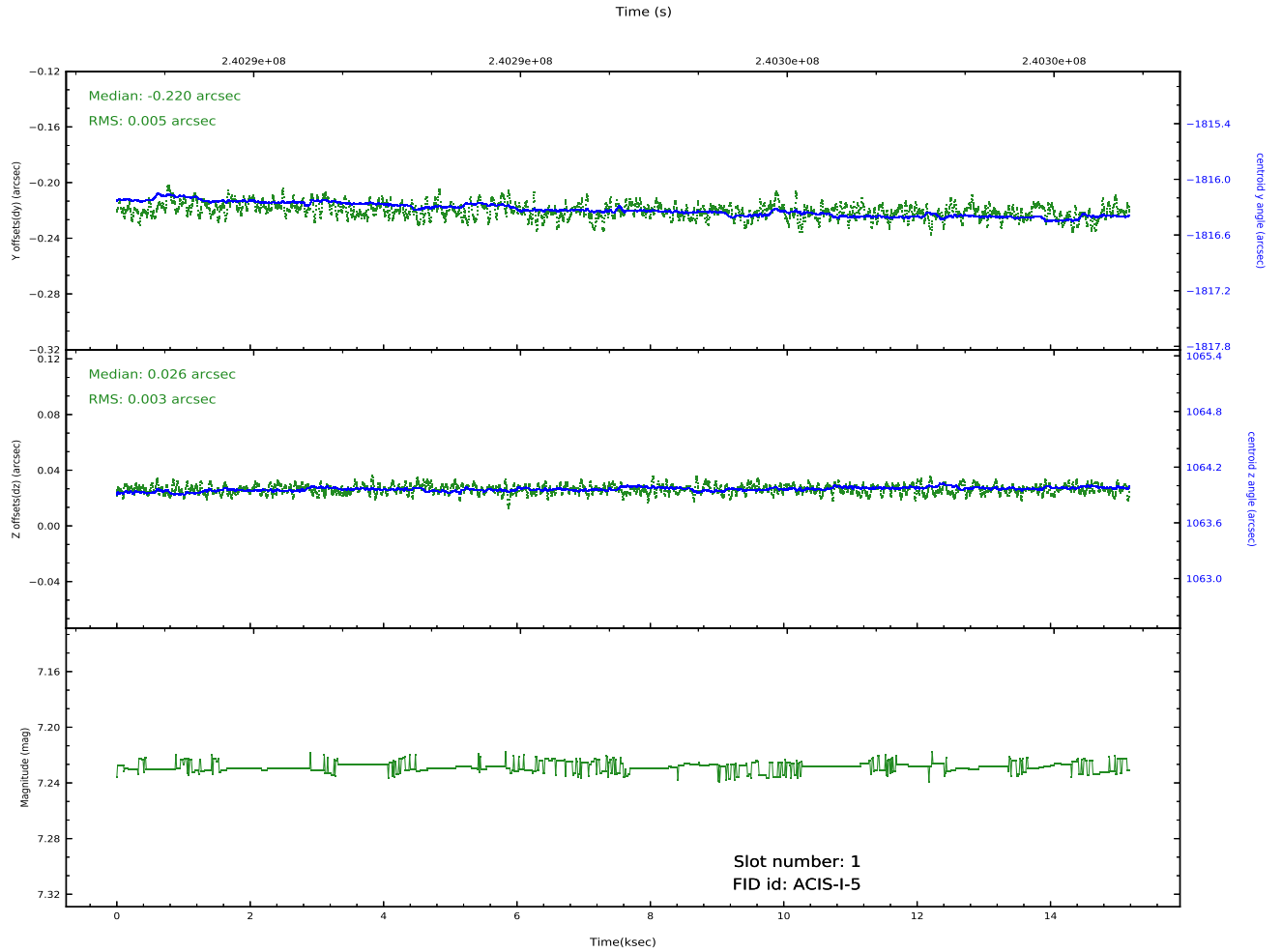
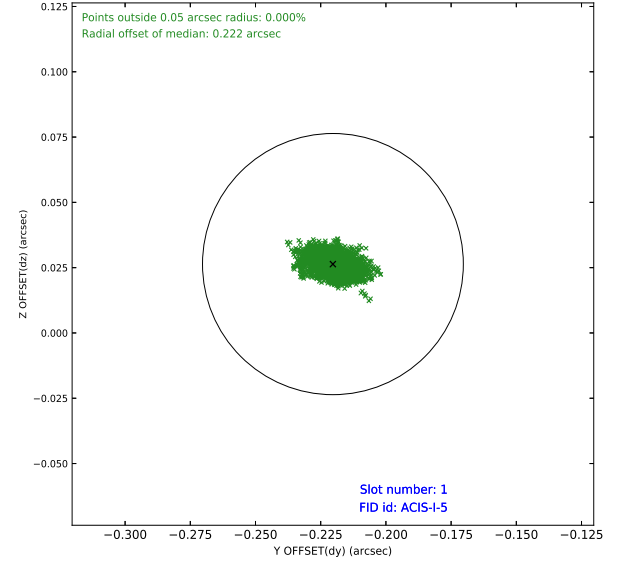
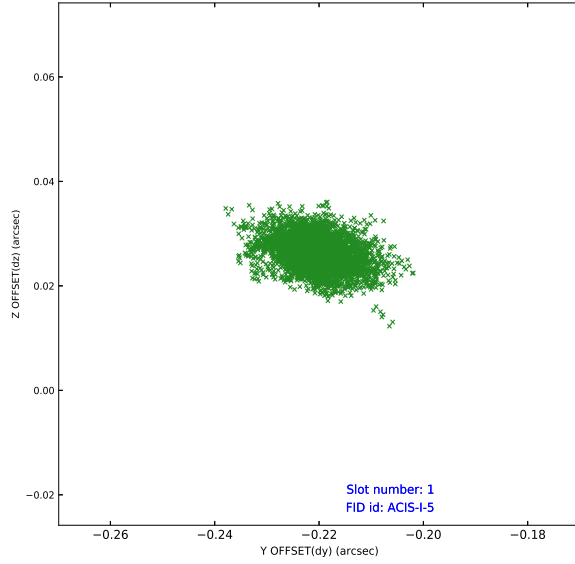


2.5 FID Slots

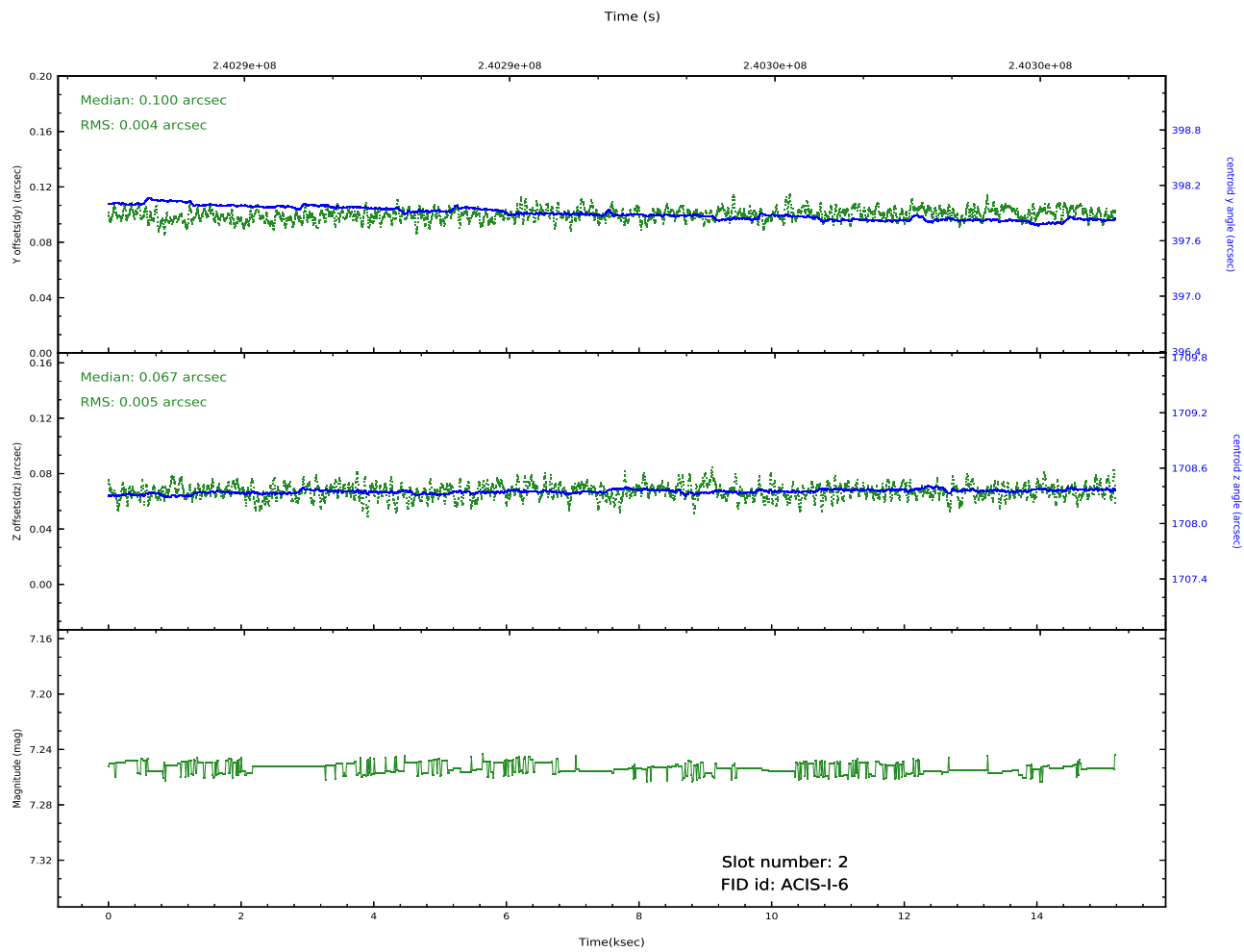
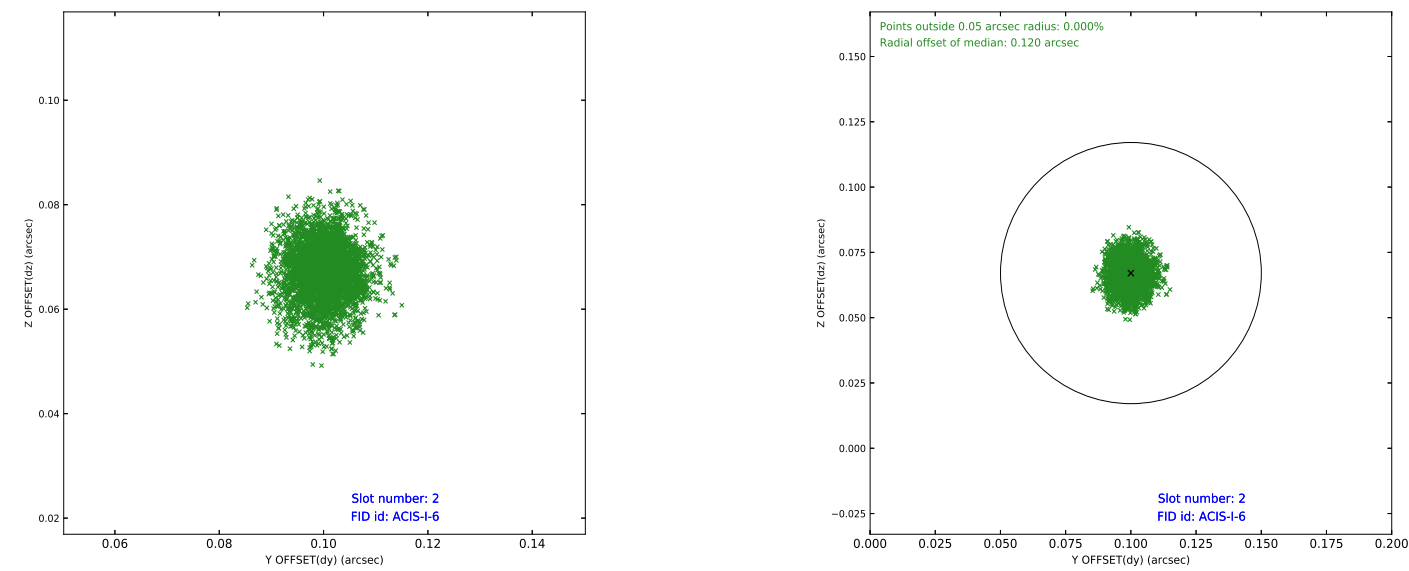
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.75519

A.2 Comments

Joint proposal with NRAO.