

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5795 - L2 Version 4
Chandra X-Ray Center

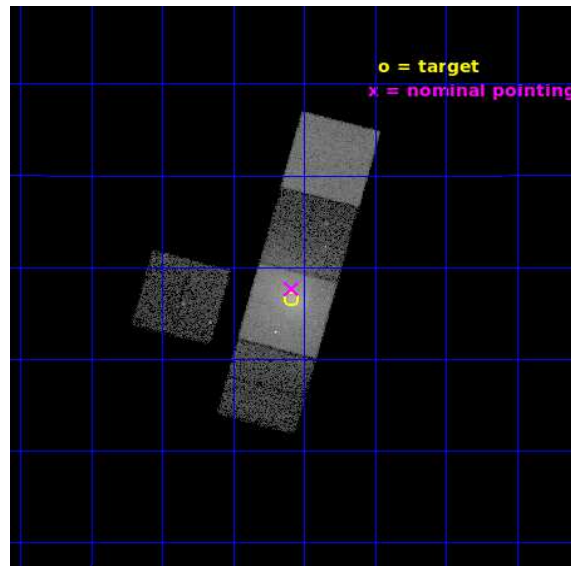
L2 Processing Date : Oct 7 2020

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1 Front

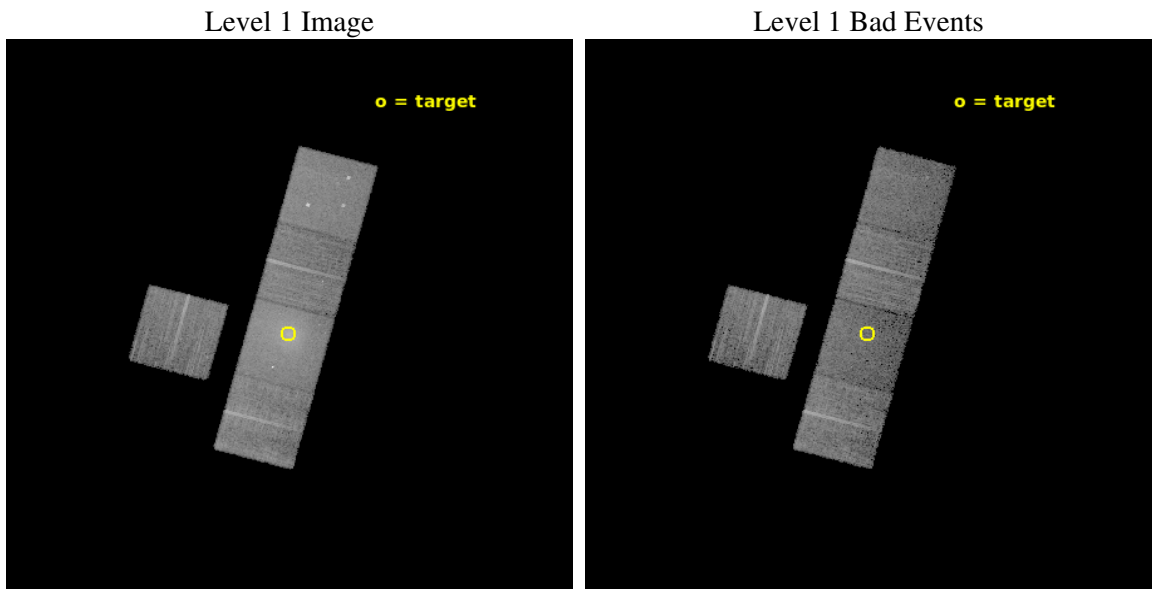
seq_num	800508	Sequence number
obs_id	5795	Observation id
title	The Interaction between Cluster Central Radio Sources and Cooling Flows	Proposal title
observer	Craig Sarazin	Principal investigator
object	A2063	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	230.772083	Observer's specified target RA [deg]
dec_targ	8.608861	Observer's specified target Dec [deg]
ra_nom	230.77155069259	Nominal RA [deg]
dec_nom	8.6280004771557	Nominal Dec [deg]
roll_nom	105.15662063367	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10037.632725239	Sum of GTIs [s]
livetime	9906.4836640858	Livetime [s]
ontime3	10037.509605229	Sum of GTIs [s]
ontime5	10037.591685236	Sum of GTIs [s]
ontime6	10037.550645232	Sum of GTIs [s]
ontime7	10037.632725239	Sum of GTIs [s]
ontime8	10034.327584982	Sum of GTIs [s]
l2events	143166	Number of level 2 events



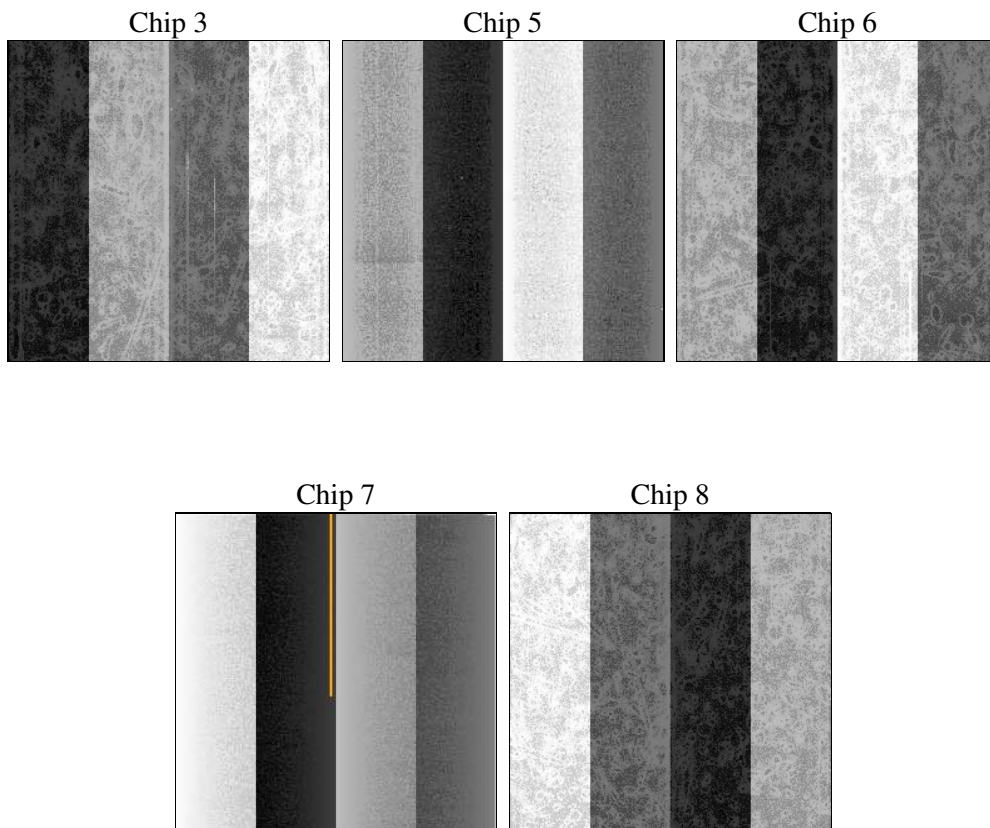
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10037.632725239	Sum of GTIs [s]
caldsver	4.9.2	 	ontime3	10037.509605229	Sum of GTIs [s]
date	2020-10-07T16:20:10	Date and time of file creation	ontime5	10037.591685236	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	10037.550645232	Sum of GTIs [s]
			ontime7	10037.632725239	Sum of GTIs [s]
			ontime8	10034.327584982	Sum of GTIs [s]
			l1events	421892	Number of level 1 events

2.1.4 Events

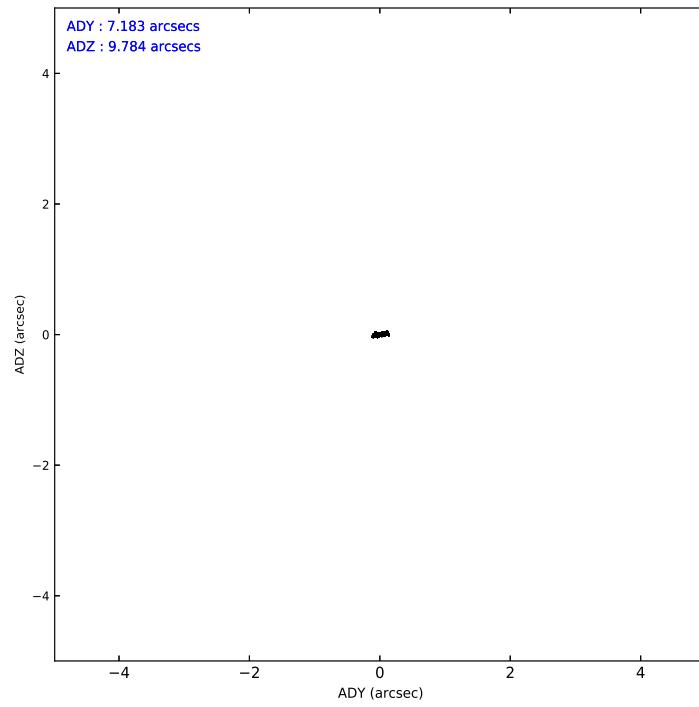
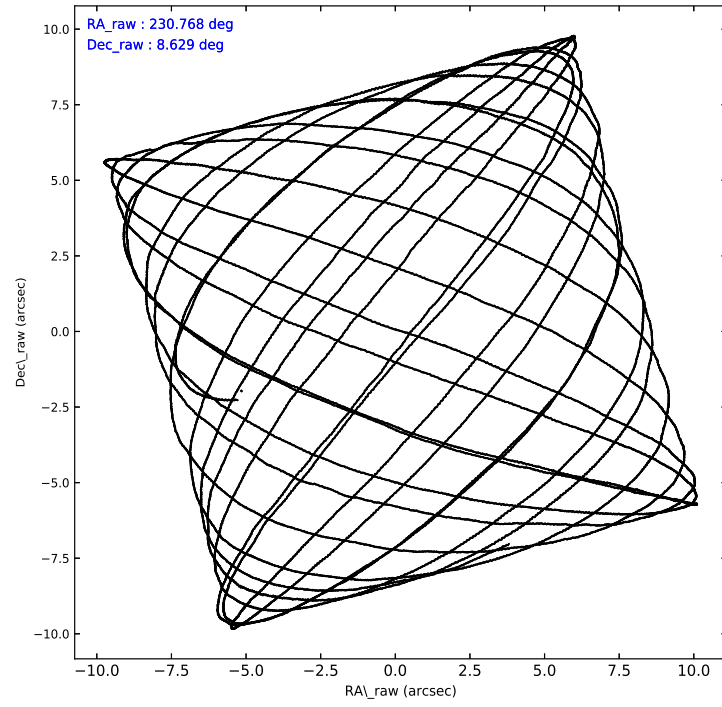
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	63289	88462	72114	116601	81426
rejected events	56072	43401	58989	38990	61599
rejected %	88%	49%	81%	33%	75%

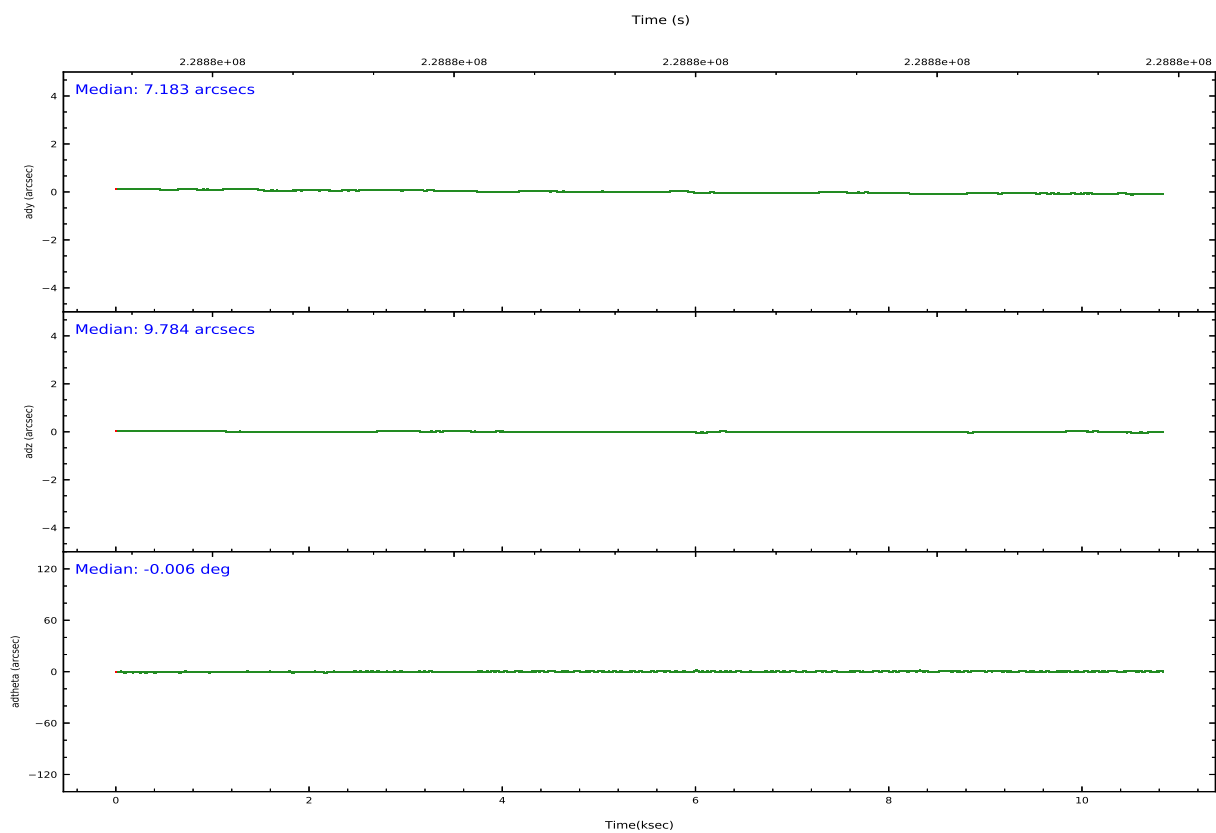
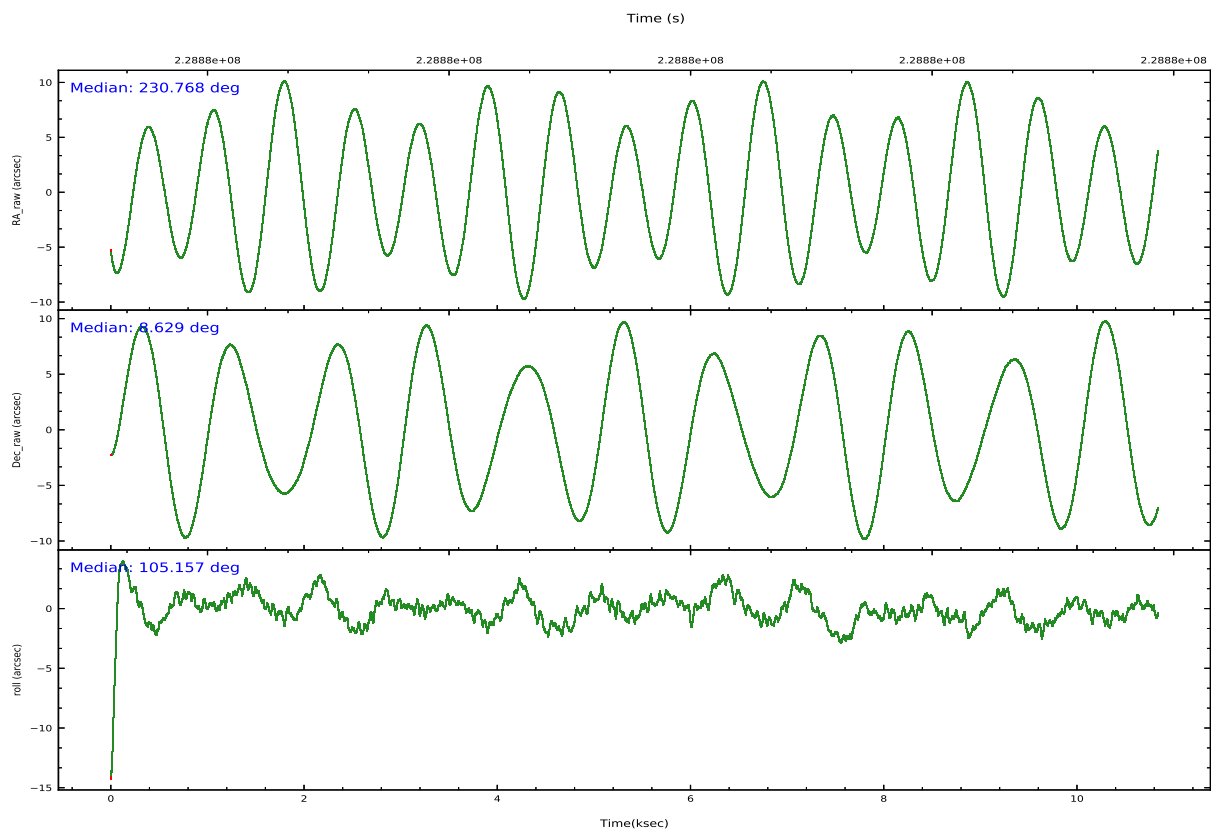
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3182	6675	7760	17425	7164
	5%	7%	10%	14%	8%
grade 1 events	33	186	50	82	72
	0%	0%	0%	0%	0%
grade 2 events	1433	12555	2074	18518	4230
	2%	14%	2%	15%	5%
grade 3 events	701	1945	887	8392	1940
	1%	2%	1%	7%	2%
grade 4 events	693	1875	894	8101	1842
	1%	2%	1%	6%	2%
grade 5 events	2481	6872	2606	7645	3691
	3%	7%	3%	6%	4%
grade 6 events	1212	22021	1513	25200	4655
	1%	24%	2%	21%	5%
grade 7 events	53554	36333	56330	31238	57832
	84%	41%	78%	26%	71%

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	230.788090	230.77155069259	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.610335	8.6280004771557	Alternating exposures requested	N	N
[deg] Pointing Roll	104.997600	105.15662063367	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	228874839.184000	228873582.69662			
Observation start date	2005-04-03T00:19:35	2005-04-02T23:59:42			
[s] Observation end time (MET)	228884839.184000	228885561.87216			
Observation end date	2005-04-03T03:06:15	2005-04-03T03:19:21			
Read mode	TIMED	TIMED			

2.3 Aspect



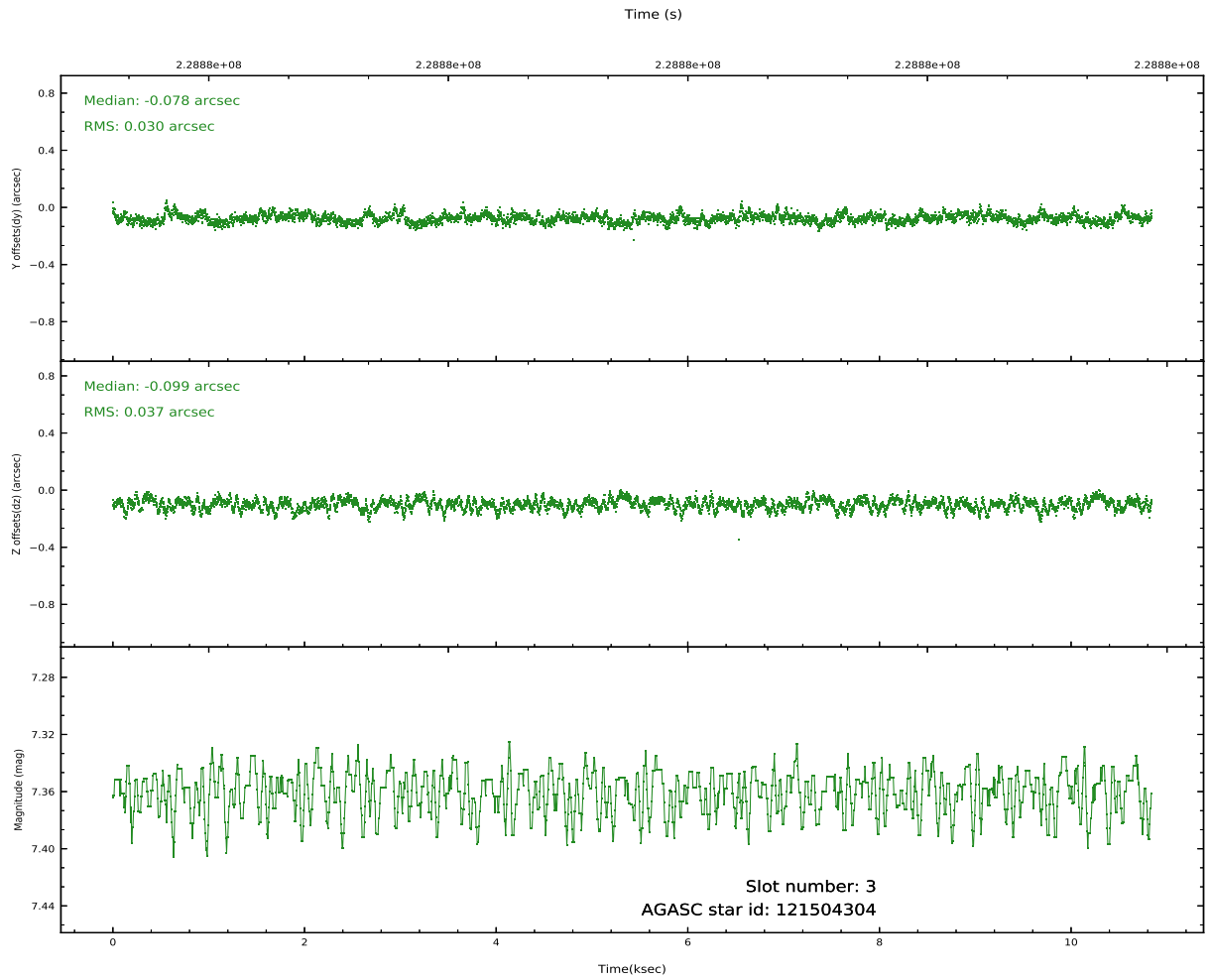
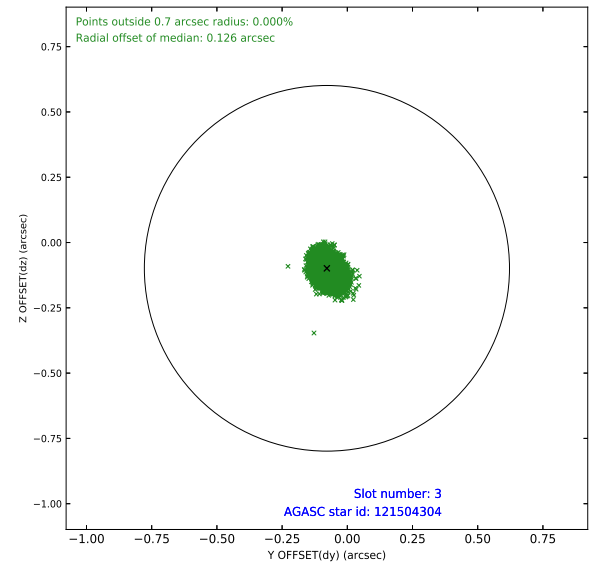
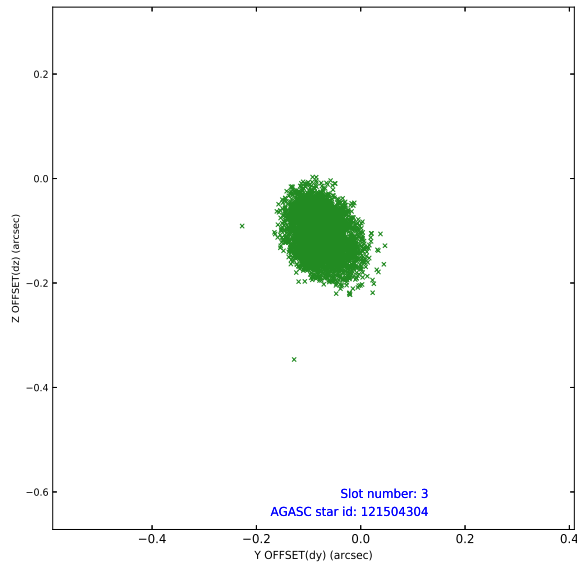


Slot Statistics

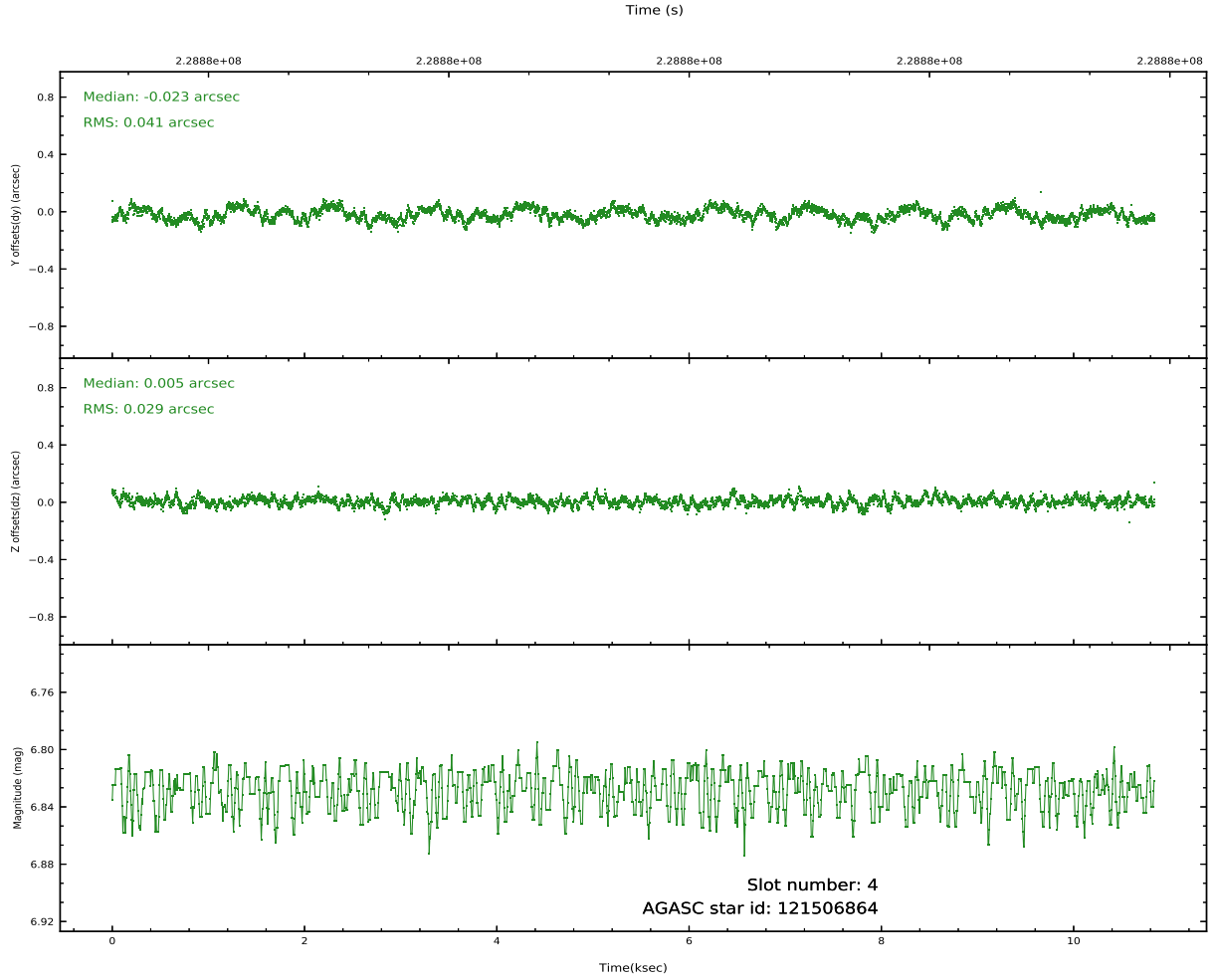
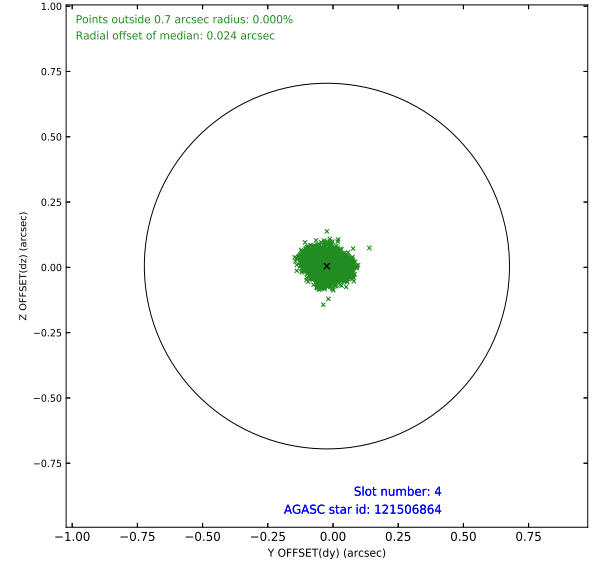
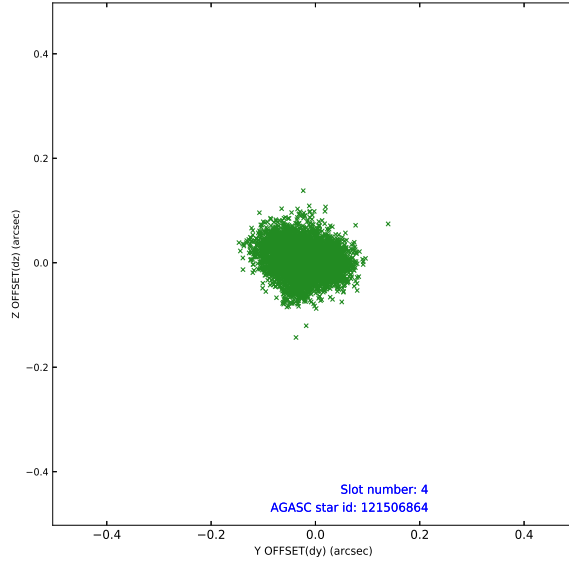
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2645	1.000	-0.084	-0.072	0.007	0.011	0.000000	0.000000	-759.96	-1731
1	FID		ACIS-S-4	7.21	2645	1.000	0.169	0.060	0.005	0.010	0.000000	0.000000	2153.28	177
2	FID		ACIS-S-5	7.24	2644	1.000	-0.117	0.021	0.007	0.012	0.000000	0.000000	-1812.29	171
3	GUIDE	used	121504304	7.36	5288	1.000	-0.078	-0.099	0.050	0.084	230.179446	8.913720	1616.55	1807
4	GUIDE	used	121506864	6.83	5288	1.000	-0.023	0.005	0.055	0.085	231.000457	8.905840	832.93	-1004
5	GUIDE	used	121507480	8.81	5288	1.000	0.044	-0.045	0.067	0.110	230.407322	8.449858	-206.38	1459
6	GUIDE	used	121508304	7.54	5288	1.000	-0.084	0.041	0.066	0.106	231.074833	9.087473	1395.75	-1428
7	GUIDE	used	121506400	9.05	5277	1.000	0.140	0.095	0.089	0.148	231.447386	8.409178	-1304.40	-2081

2.4 Star Slots

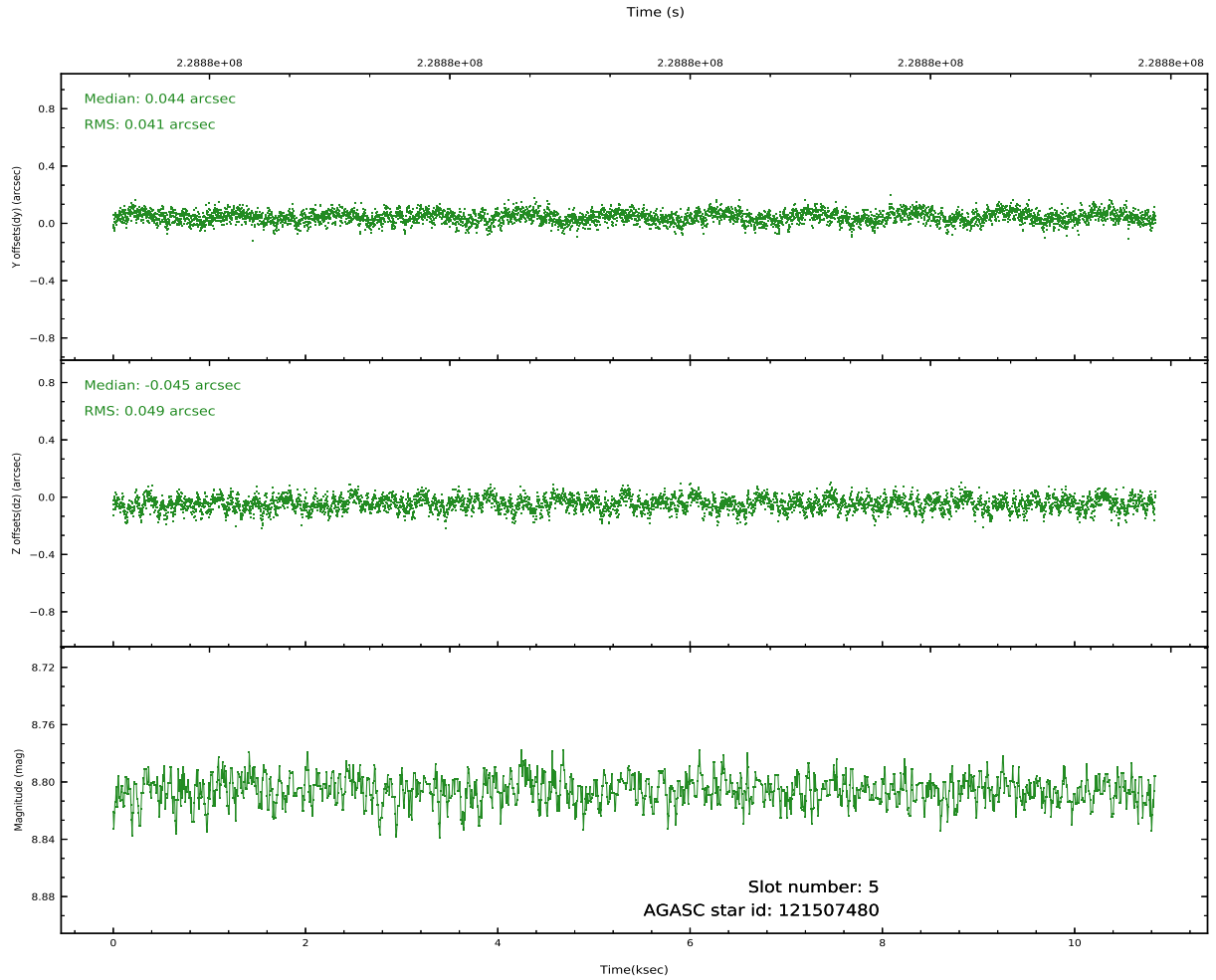
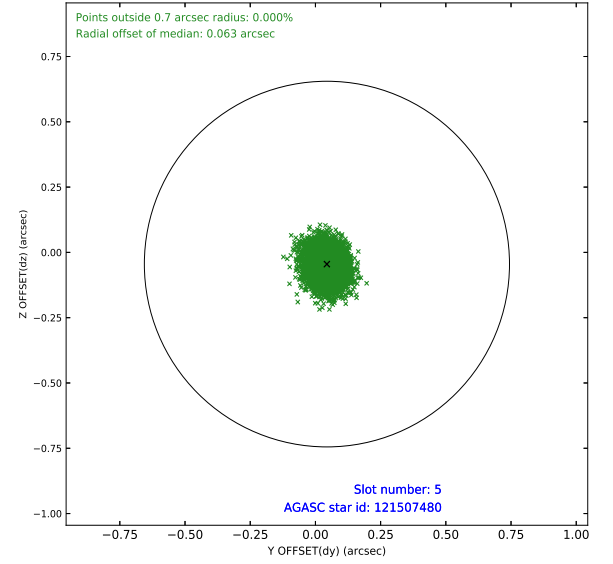
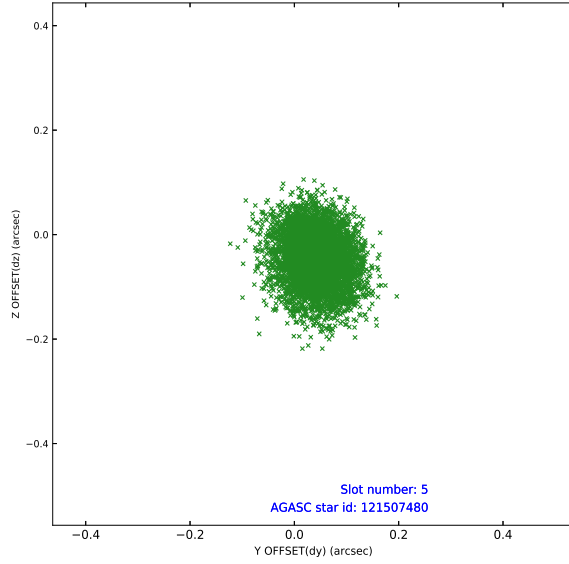
2.4.1 Slot 3



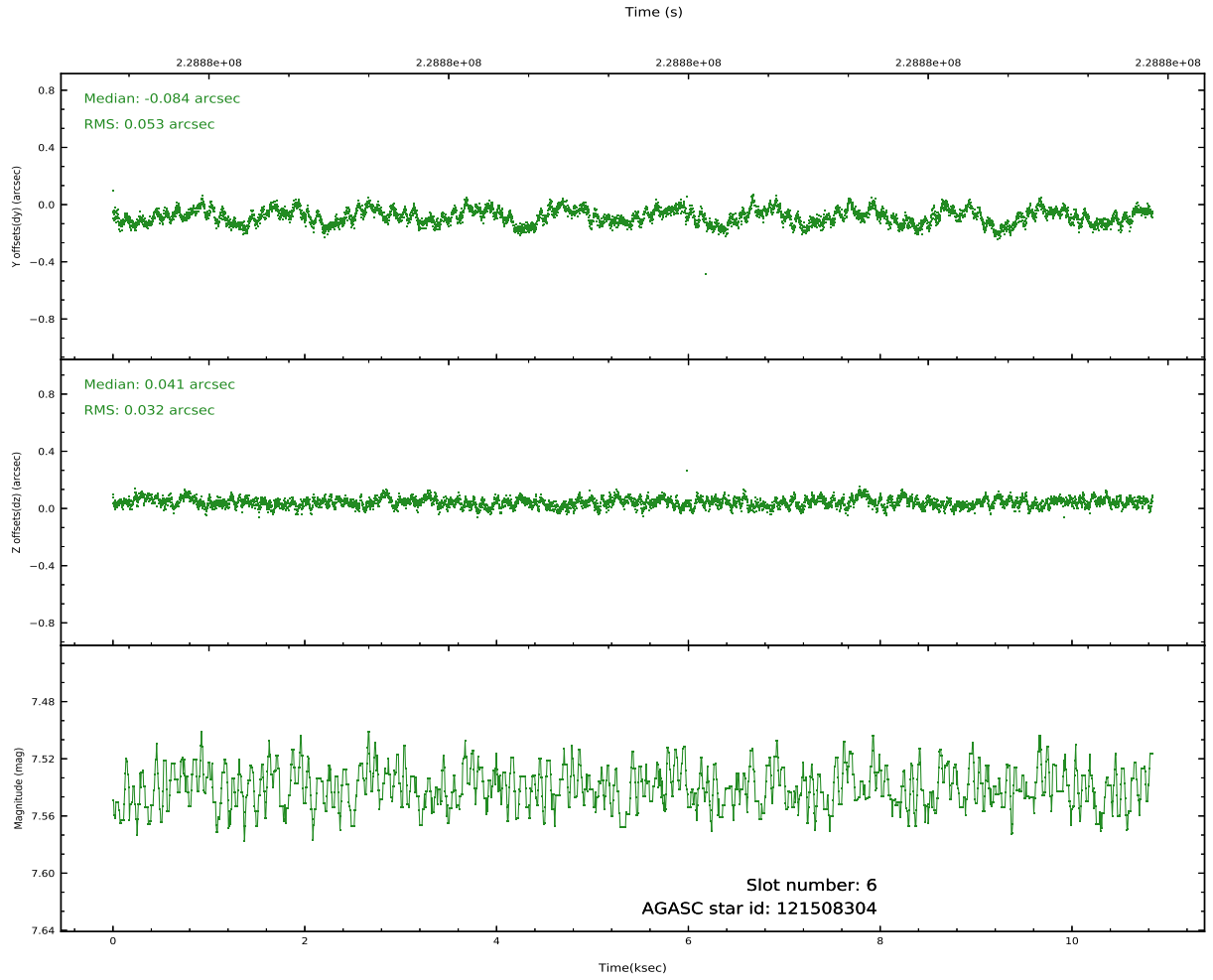
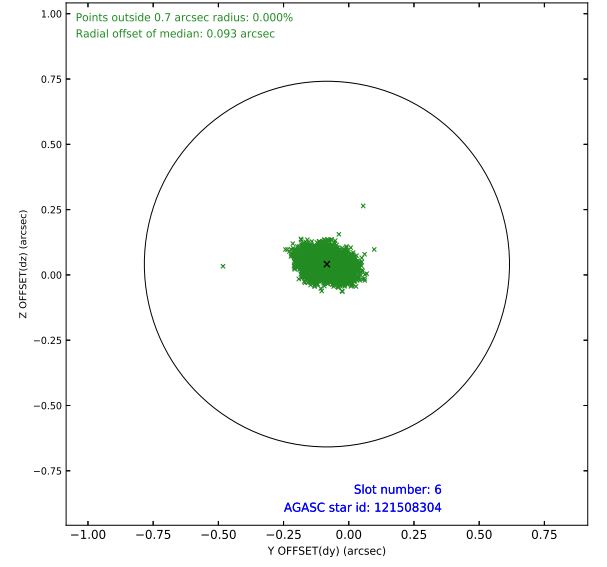
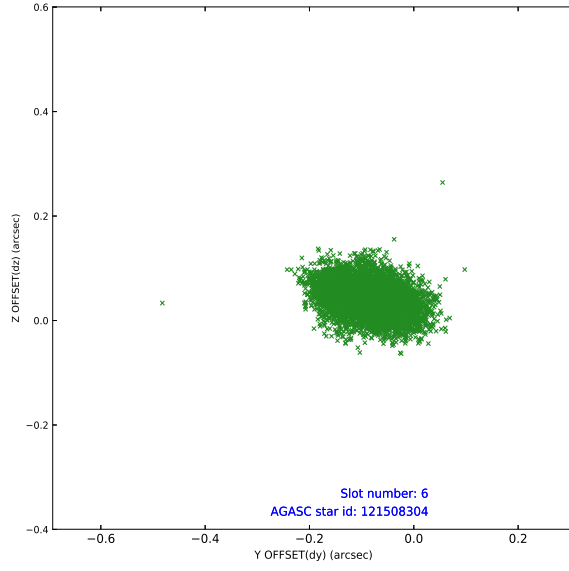
2.4.2 Slot 4



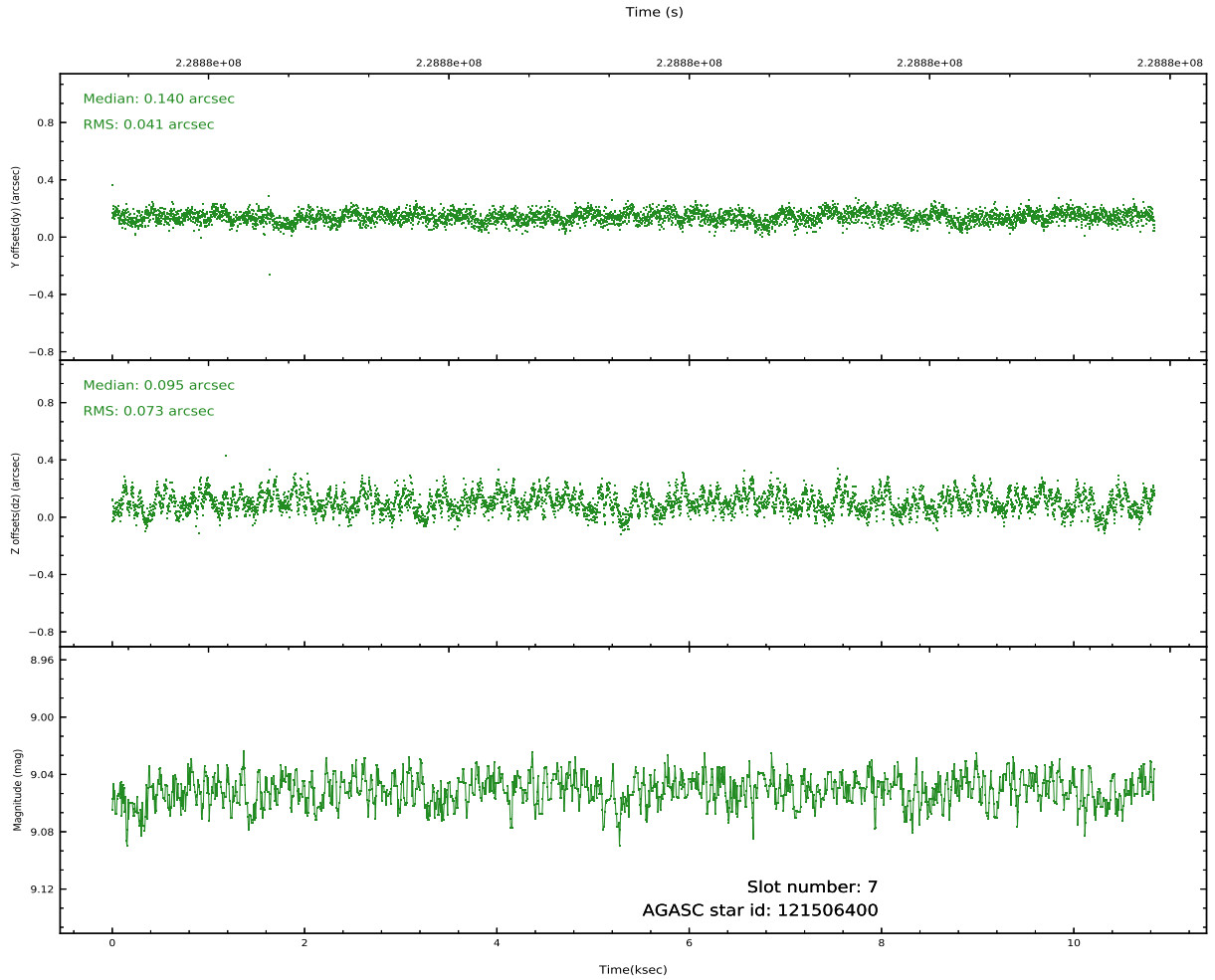
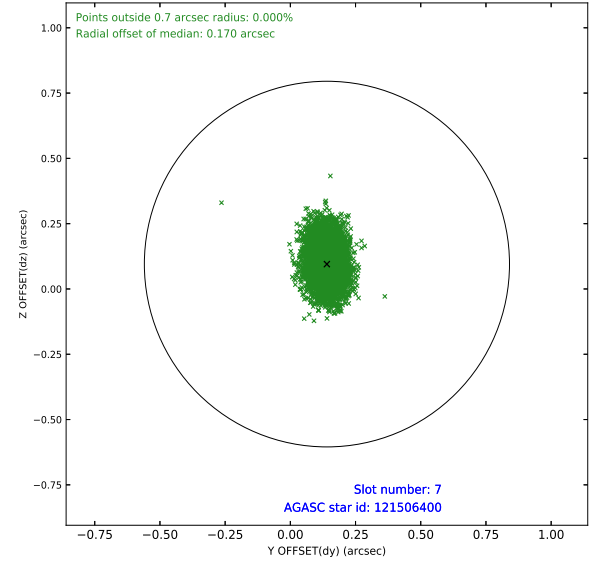
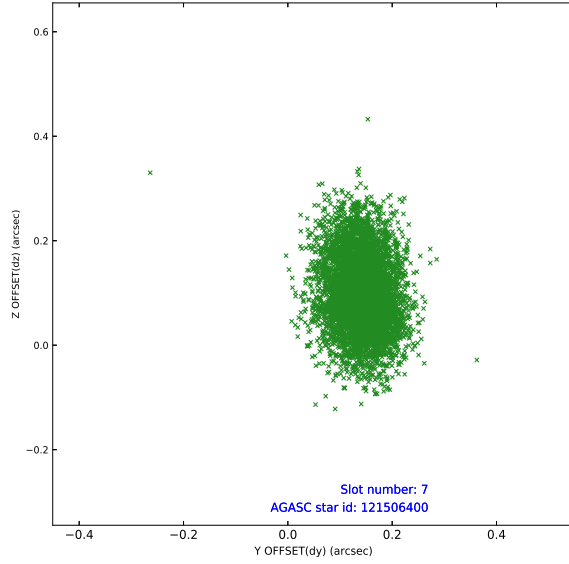
2.4.3 Slot 5



2.4.4 Slot 6

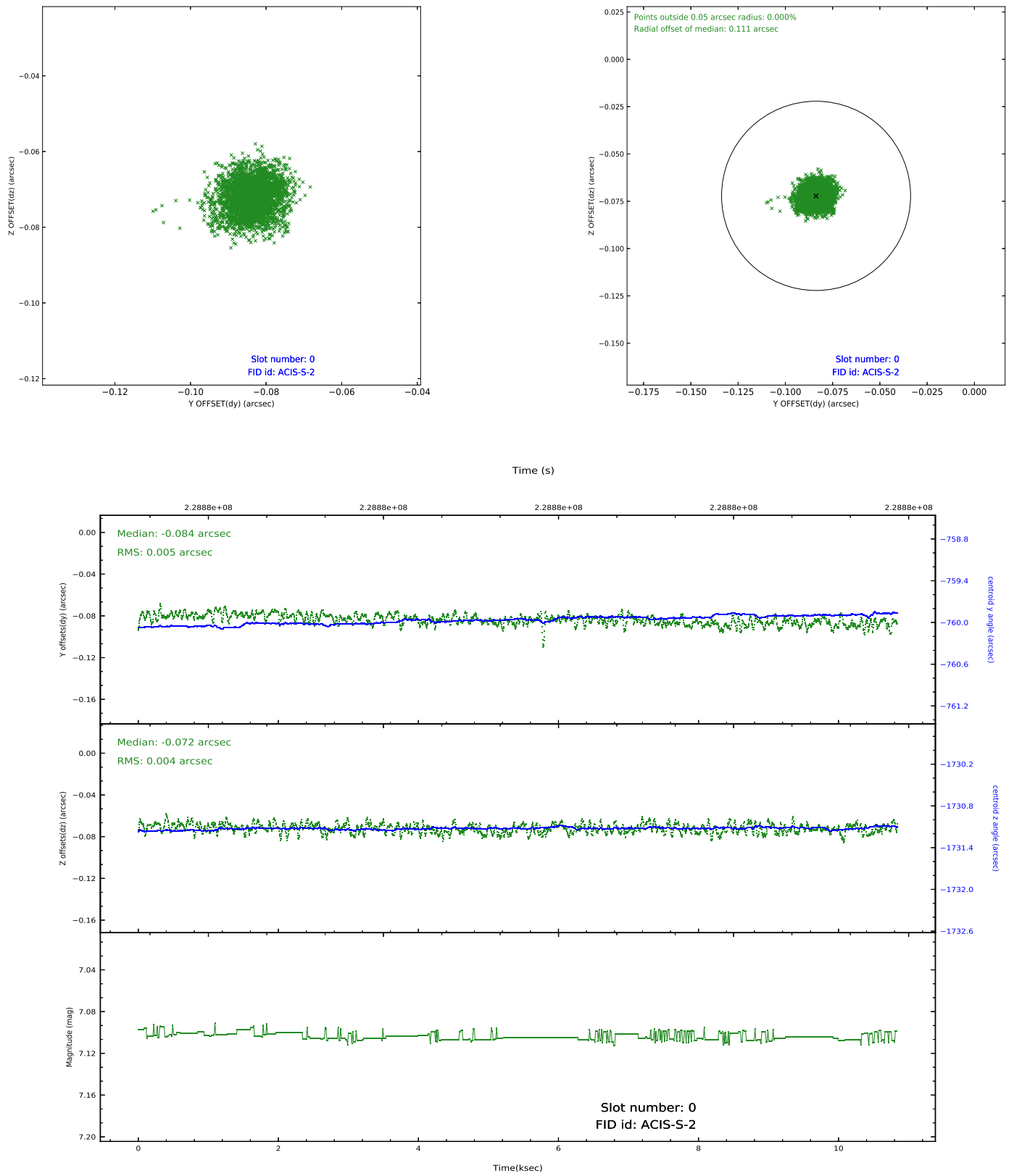


2.4.5 Slot 7

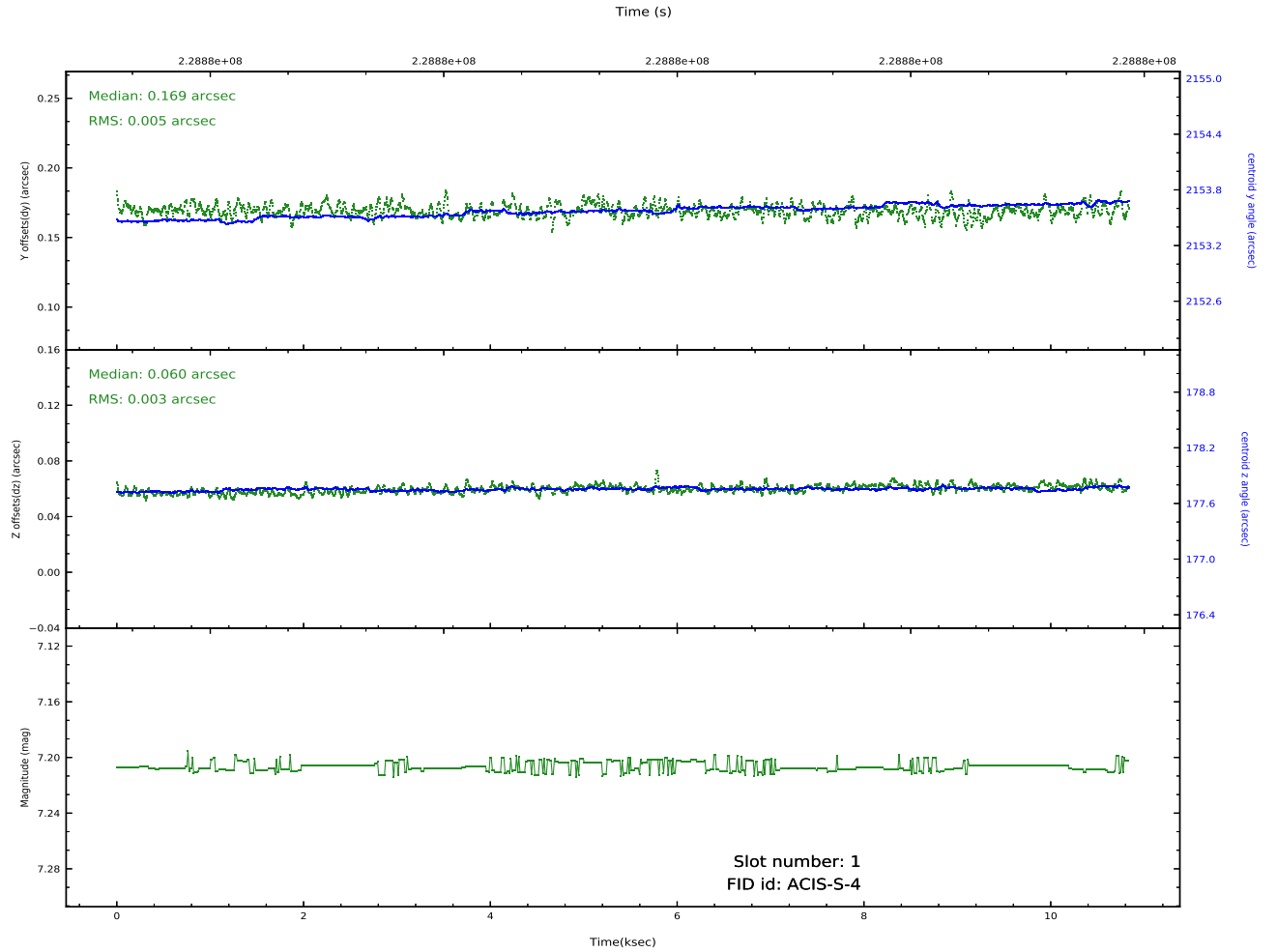
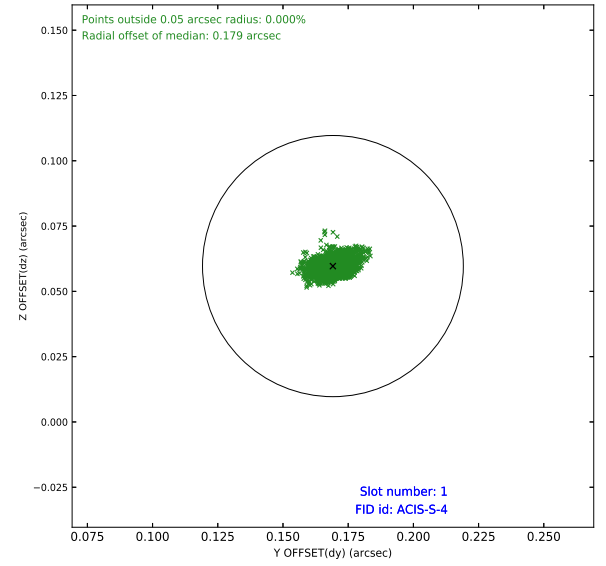
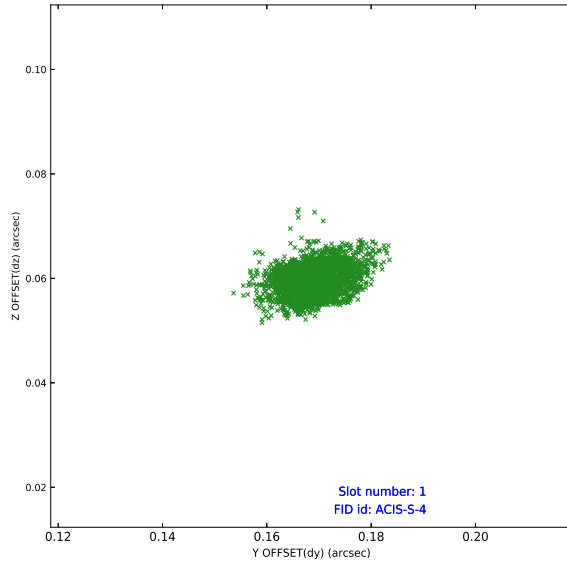


2.5 FID Slots

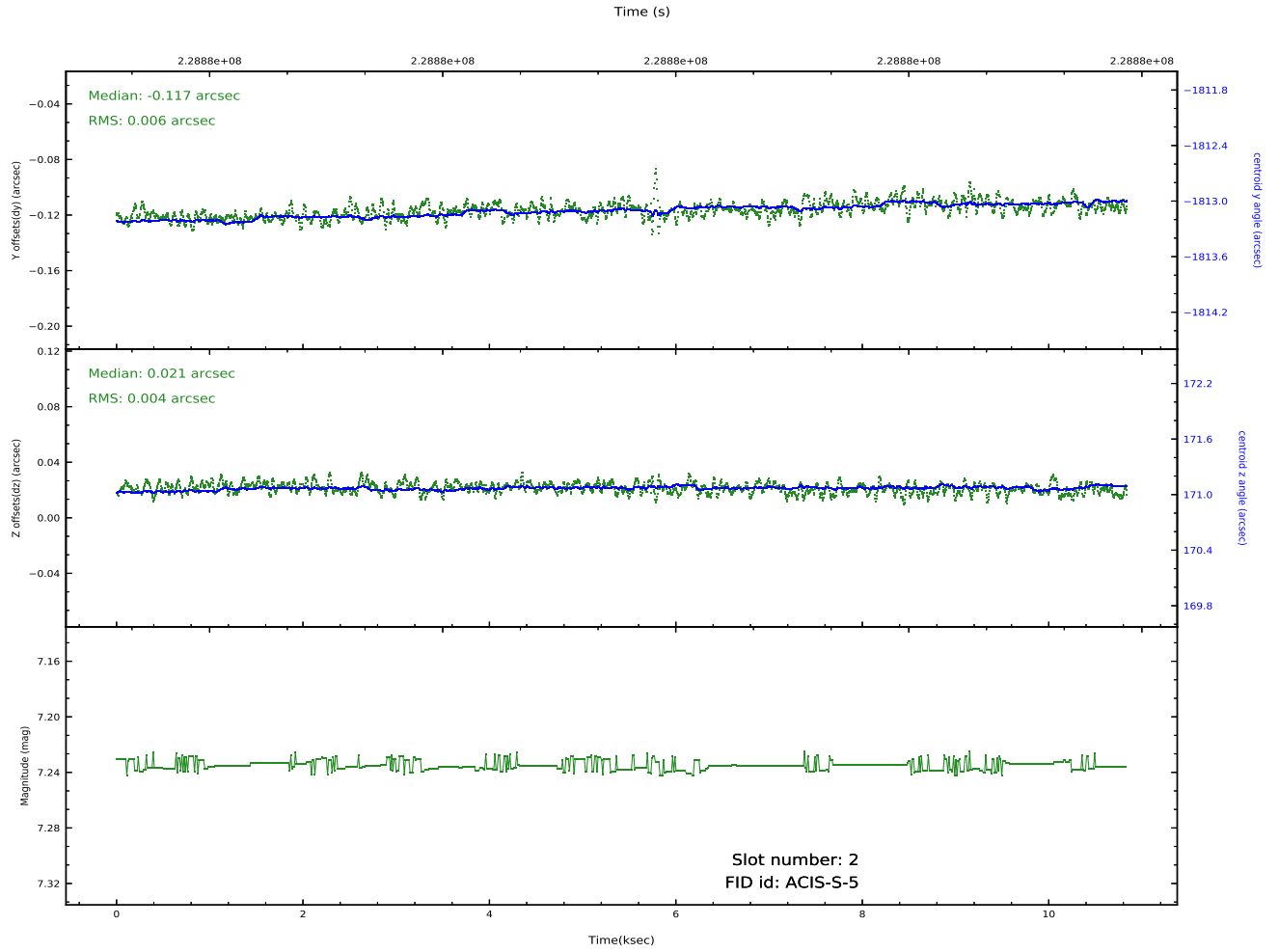
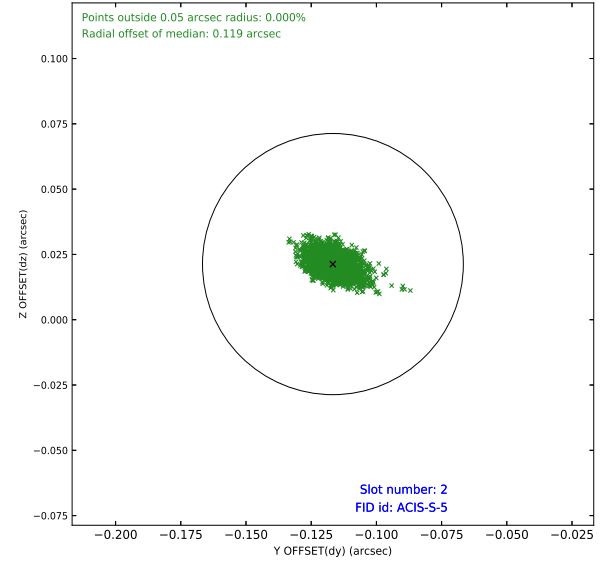
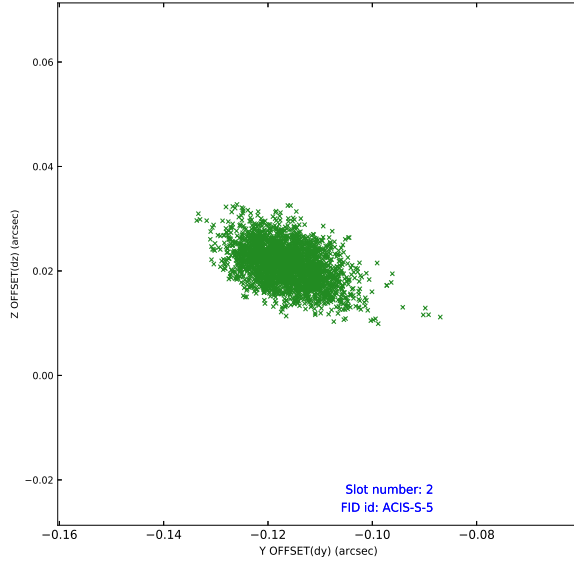
2.5.1 Slot 0



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	10.03779

A.2 Comments