

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4915 - L2 Version 4
Chandra X-Ray Center

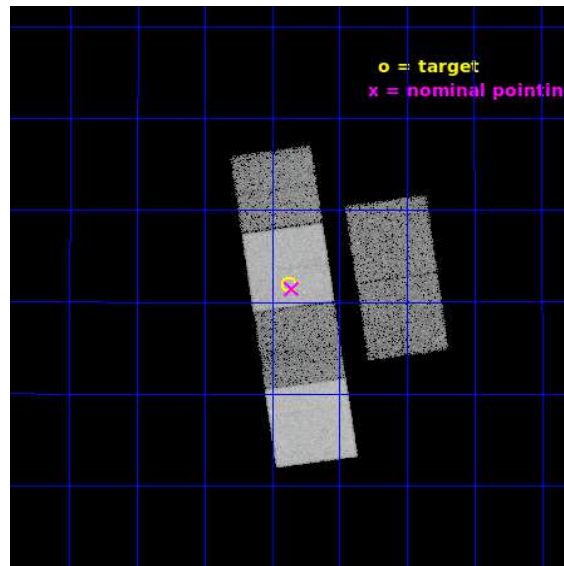
L2 Processing Date : Sep 25 2020

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1 Front

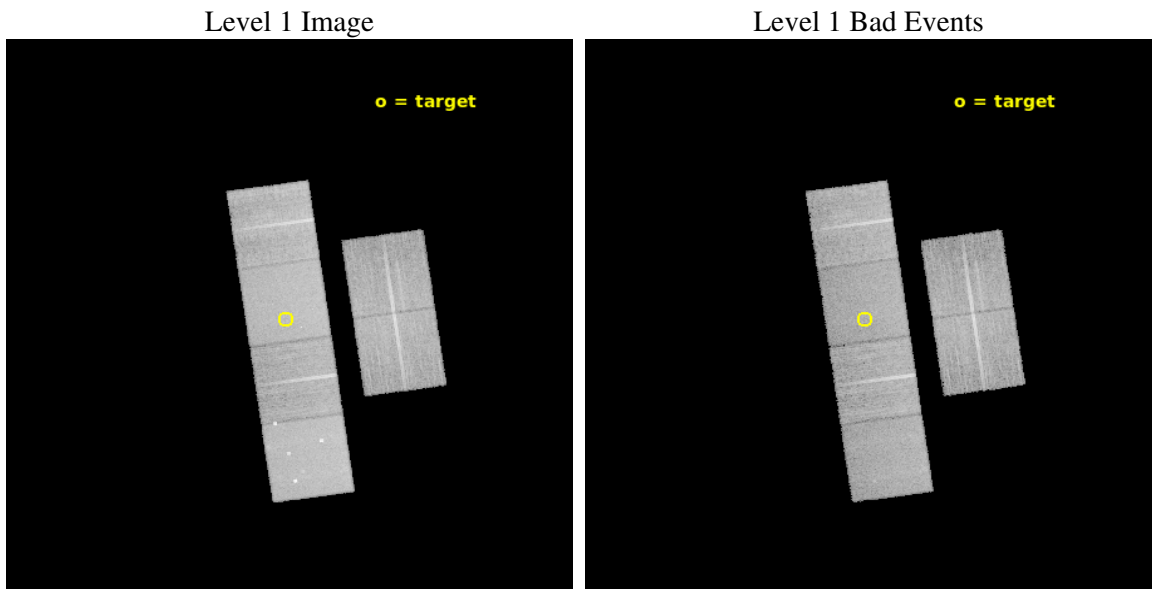
seq_num	700996	Sequence number
obs_id	4915	Observation id
title	Characterization of quiescent X-ray emission from peculiar X-ray flash sources	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	LEDA 1613994	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	107.844167	Observer's specified target RA [deg]
dec_targ	20.031139	Observer's specified target Dec [deg]
ra_nom	107.83797797662	Nominal RA [deg]
dec_nom	20.024335178301	Nominal Dec [deg]
roll_nom	261.83490522153	Nominal Roll [deg]
revision	4	Processing version of data
ontime	15196.578132957	Sum of GTIs [s]
livetime	15004.149910357	Livetime [s]
ontime2	15196.619172961	Sum of GTIs [s]
ontime3	15196.455012947	Sum of GTIs [s]
ontime5	15196.537092954	Sum of GTIs [s]
ontime6	15196.496052951	Sum of GTIs [s]
ontime7	15196.578132957	Sum of GTIs [s]
ontime8	15196.413972974	Sum of GTIs [s]
l2events	171660	Number of level 2 events



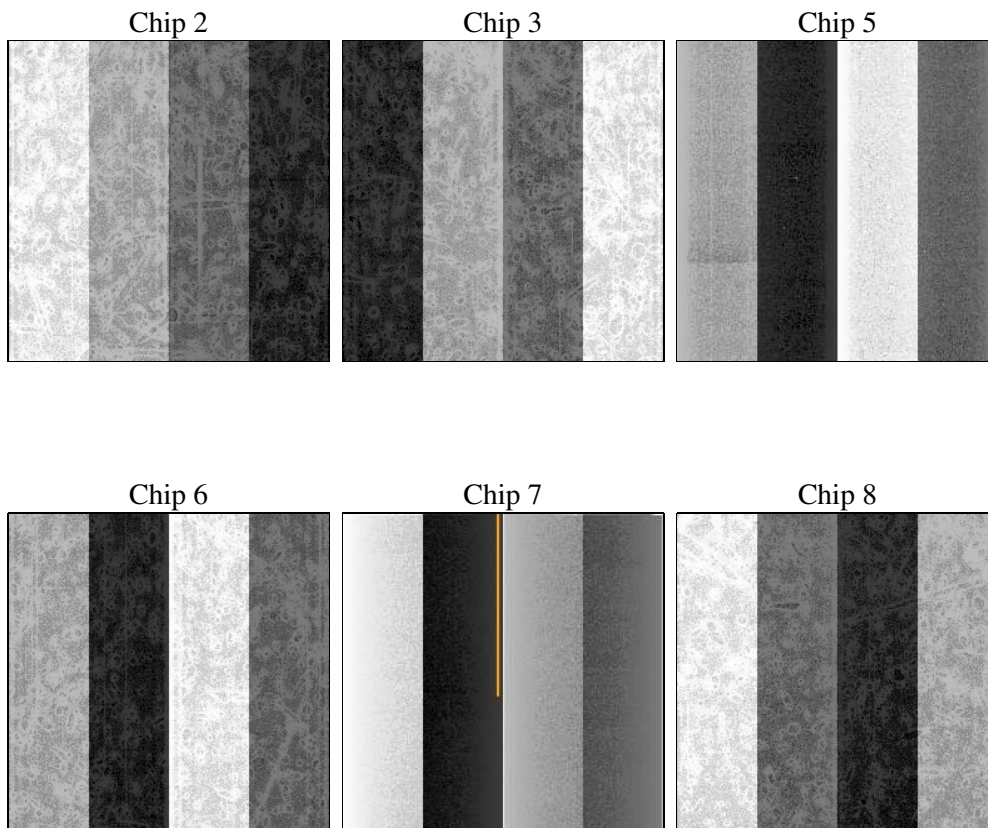
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	15196.578132957	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	15196.619172961	Sum of GTIs [s]
date	2020-09-25T18:48:47	Date and time of file creation	ontime3	15196.455012947	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	15196.537092954	Sum of GTIs [s]
			ontime6	15196.496052951	Sum of GTIs [s]
			ontime7	15196.578132957	Sum of GTIs [s]
			ontime8	15196.413972974	Sum of GTIs [s]
			l1events	772780	Number of level 1 events

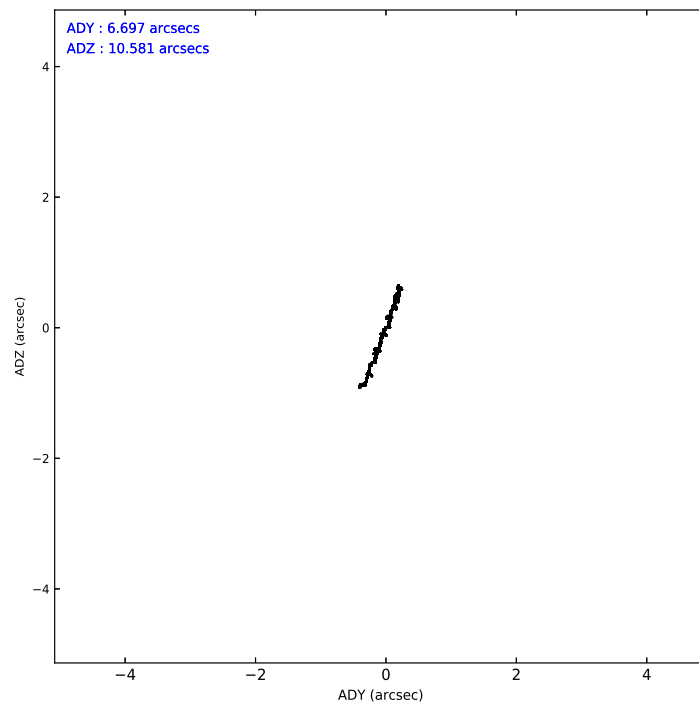
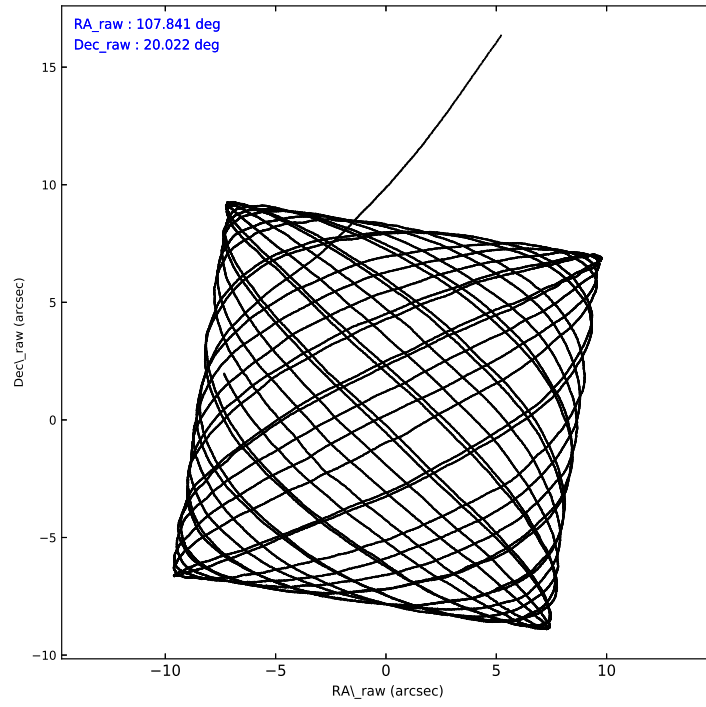
2.1.4 Events

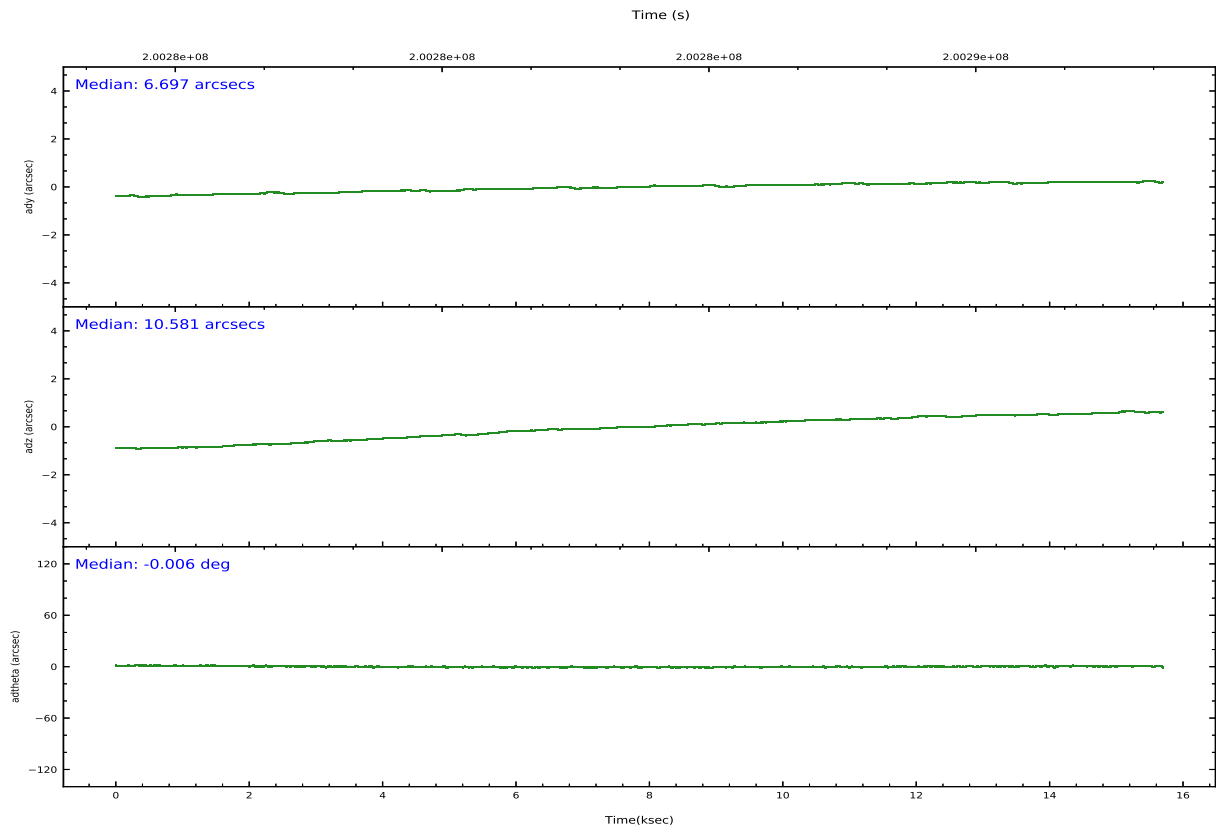
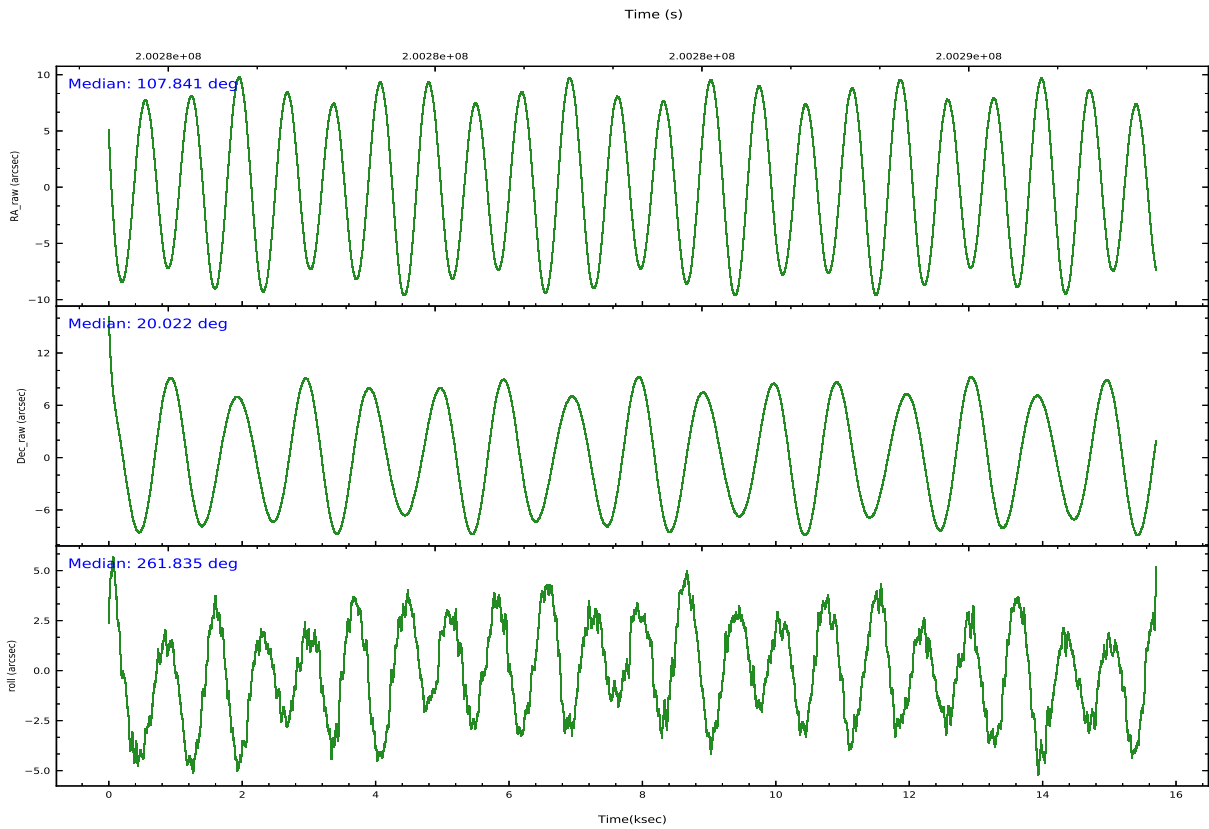
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	112027	102916	162841	111349	145787	137860	grade 0 events	5692	5270	9617	5025	5301	9141
rejected events	99209	90793	87478	98637	85948	108672		5%	5%	5%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	78%	grade 1 events	81	59	333	54	138	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	2678	2324	21476	2651	11923	6298
								2%	2%	13%	2%	8%	4%
							grade 3 events	1234	1207	2948	1243	5318	3135
								1%	1%	1%	1%	3%	2%
							grade 4 events	1133	1213	2842	1288	5402	3121
								1%	1%	1%	1%	3%	2%
							grade 5 events	4360	4807	11819	5087	14116	6527
								3%	4%	7%	4%	9%	4%
							grade 6 events	2084	2112	38492	2509	31908	7516
								1%	2%	23%	2%	21%	5%
							grade 7 events	94765	85924	75314	93492	71681	102023
								84%	83%	46%	83%	49%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	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	107.829794	107.83797797662	Subarray requested	NONE	NONE
[deg] Pointing Dec	20.047086	20.024335178301	Alternating exposures requested	N	N
[deg] Pointing Roll	261.685791	261.83490522153	[s] Primary exposure time	0.000000	3.2
[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)	200275310.184000	200274330.20382			
Observation start date	2004-05-07T00:00:46	2004-05-06T23:45:30			
[s] Observation end time (MET)	200290810.184000	200292038.6171			
Observation end date	2004-05-07T04:19:06	2004-05-07T04:40:38			
Read mode	TIMED	TIMED			

2.3 Aspect





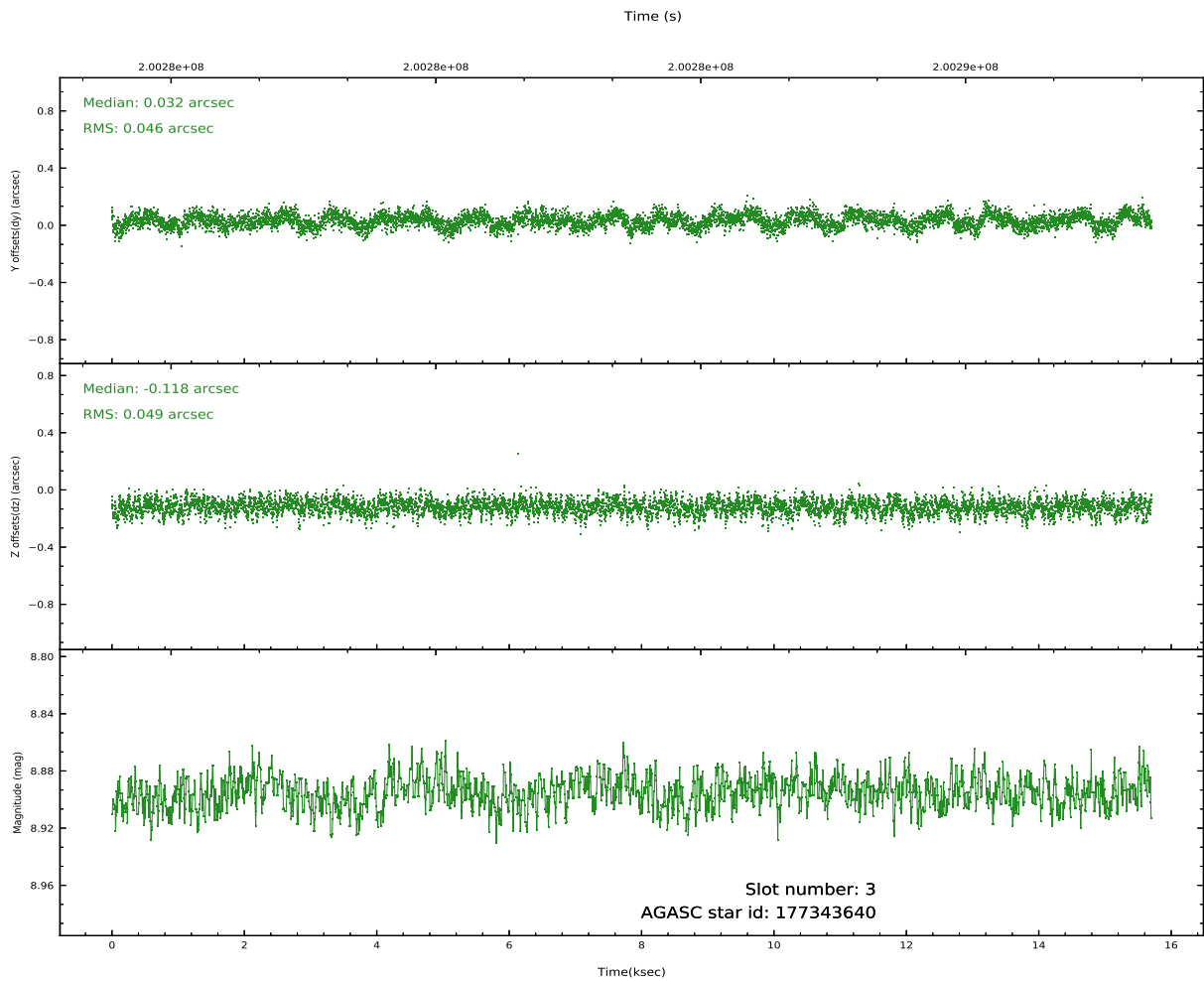
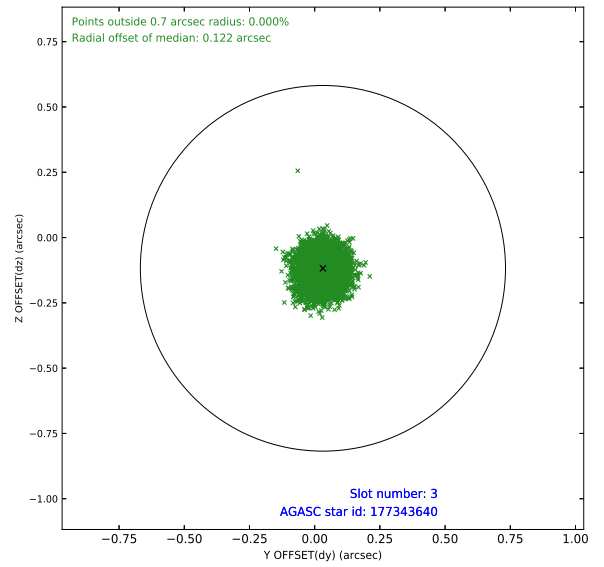
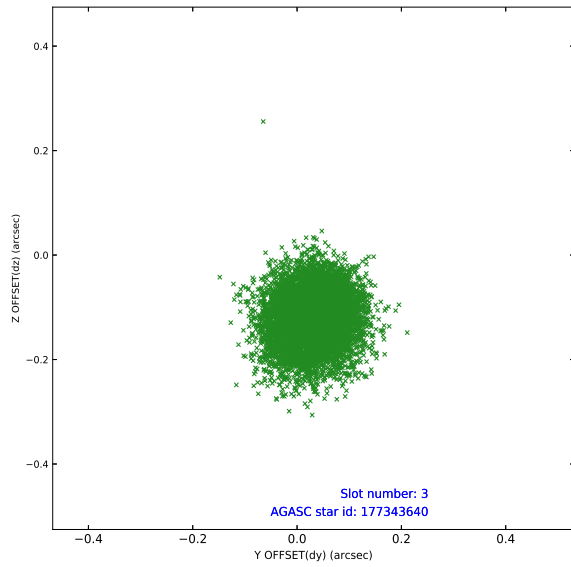
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	3830	1.000	-0.085	-0.050	0.012	0.020	0.000000	0.000000	-759.44	-1731
1	FID		ACIS-S-4	7.20	3827	1.000	0.130	0.055	0.014	0.024	0.000000	0.000000	2153.87	176
2	FID		ACIS-S-5	7.23	3830	1.000	-0.077	0.005	0.009	0.016	0.000000	0.000000	-1811.97	170
3	GUIDE	used	177343640	8.90	7660	1.000	0.032	-0.118	0.071	0.115	107.248573	20.055975	249.87	-1949
4	GUIDE	used	177351056	8.62	7661	1.000	0.116	0.033	0.070	0.117	107.580697	19.999825	290.16	-809
5	GUIDE	used	177352208	7.97	7660	1.000	0.131	0.050	0.046	0.074	107.641174	19.803037	961.97	-504
6	GUIDE	used	177473832	8.28	7660	1.000	-0.190	0.114	0.058	0.096	108.284806	20.563918	-2064.80	1248
7	GUIDE	used	177343336	8.78	7660	1.000	-0.088	-0.076	0.069	0.111	107.095912	20.018287	456.55	-2441

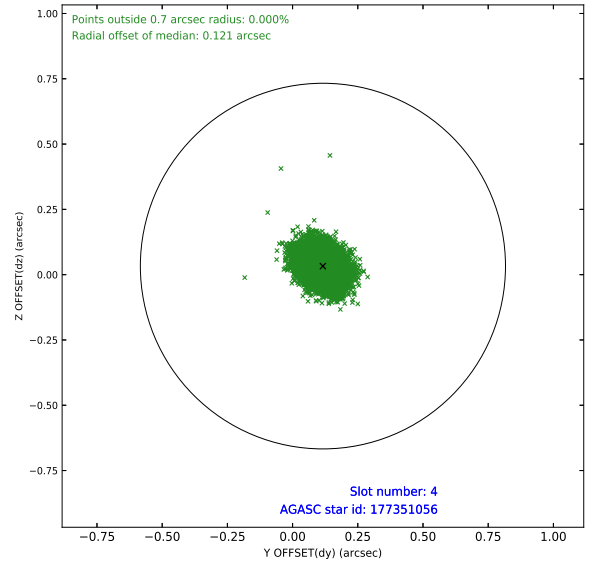
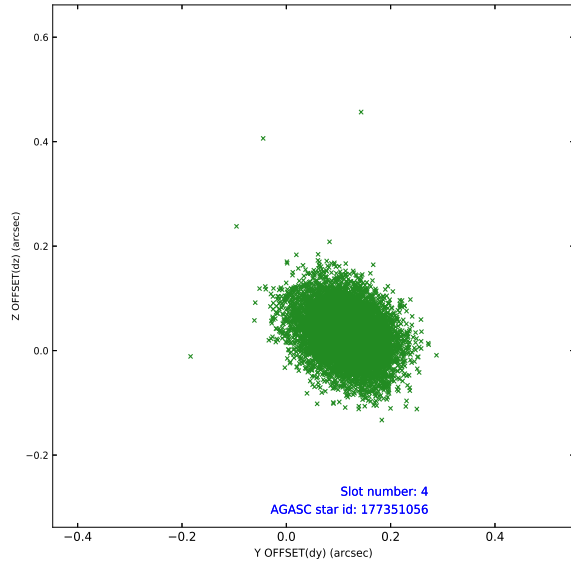
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2.4 Star Slots

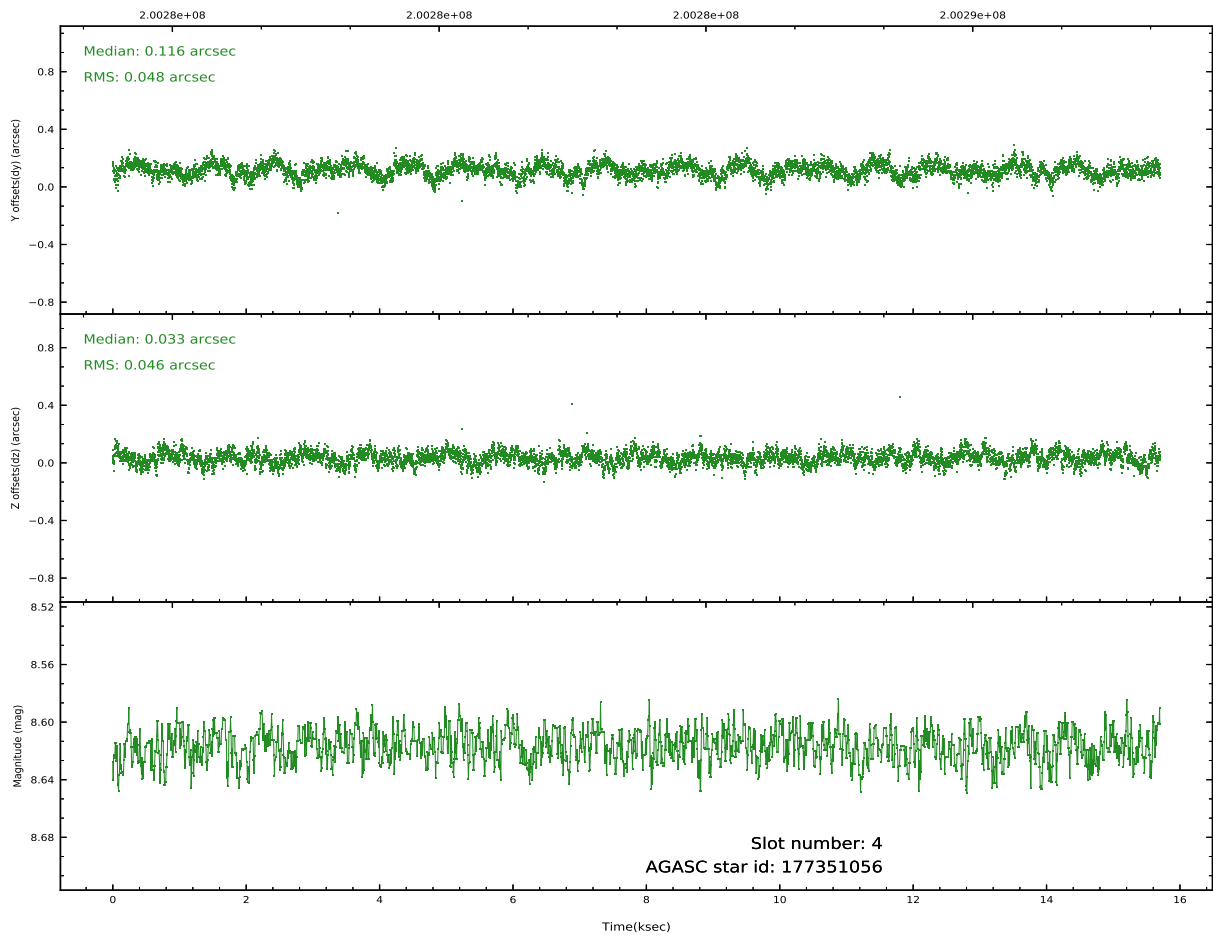
2.4.1 Slot 3



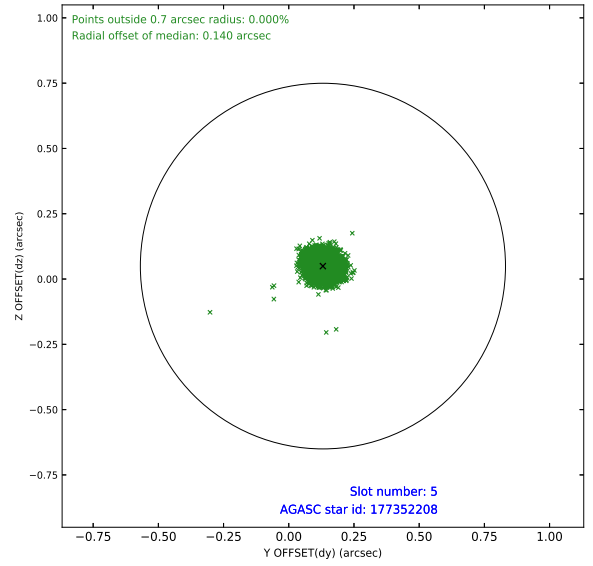
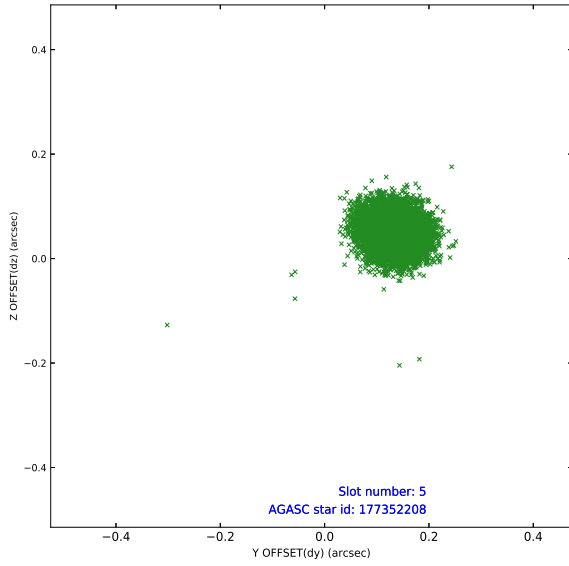
2.4.2 Slot 4



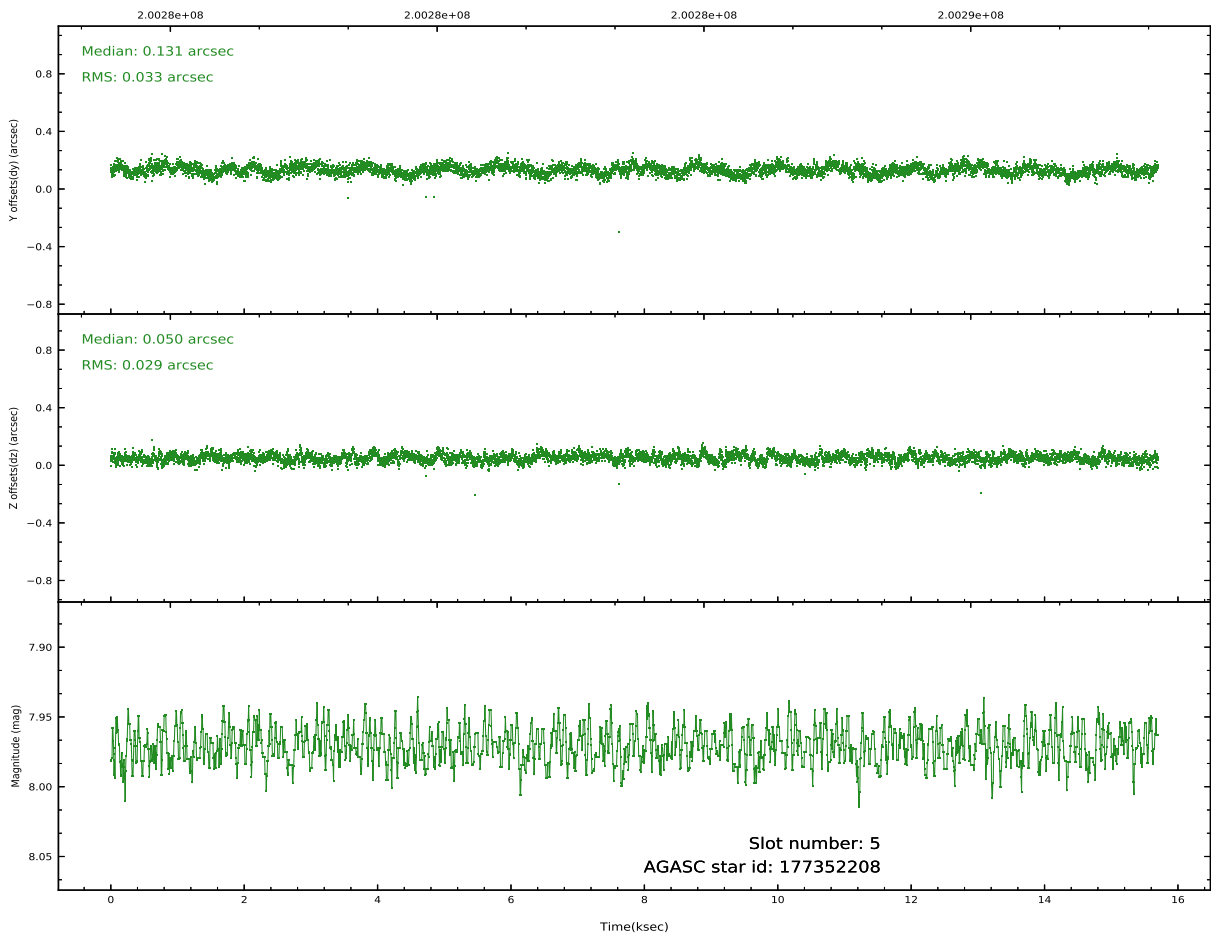
Time (s)



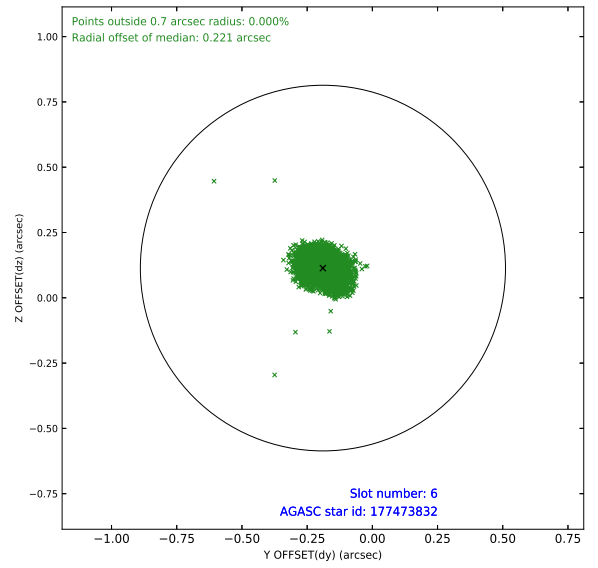
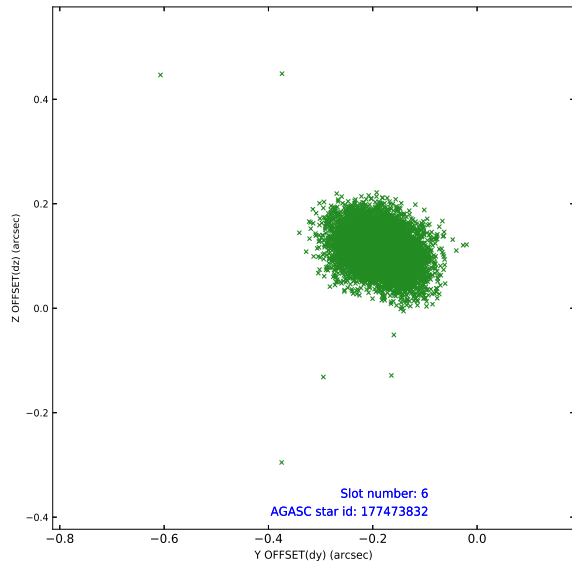
2.4.3 Slot 5



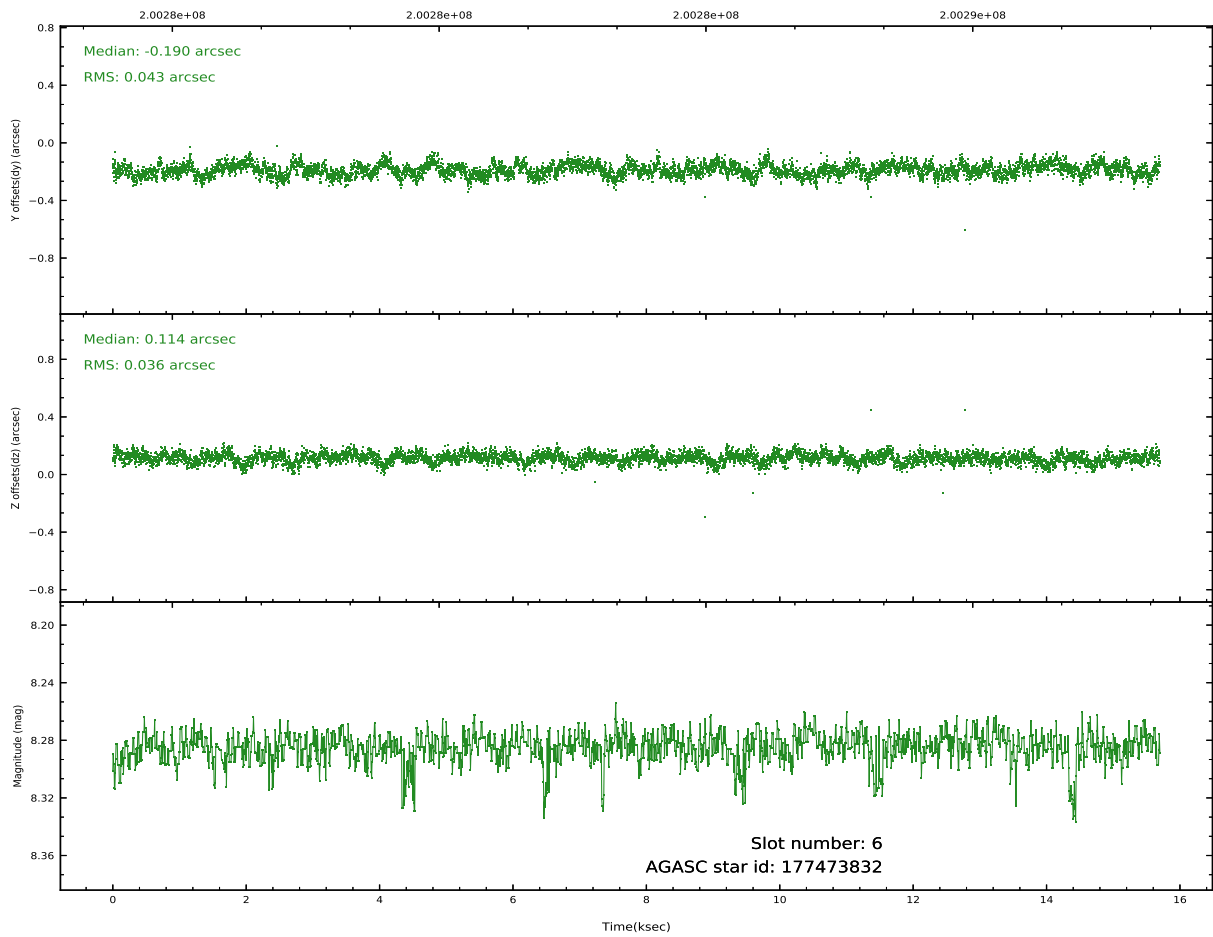
Time (s)



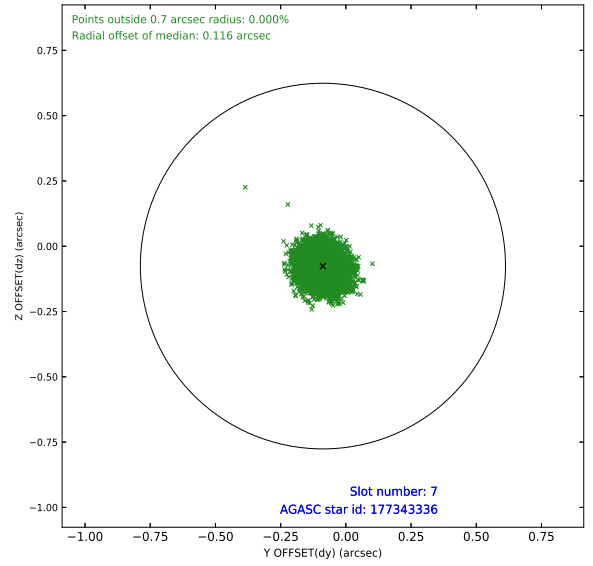
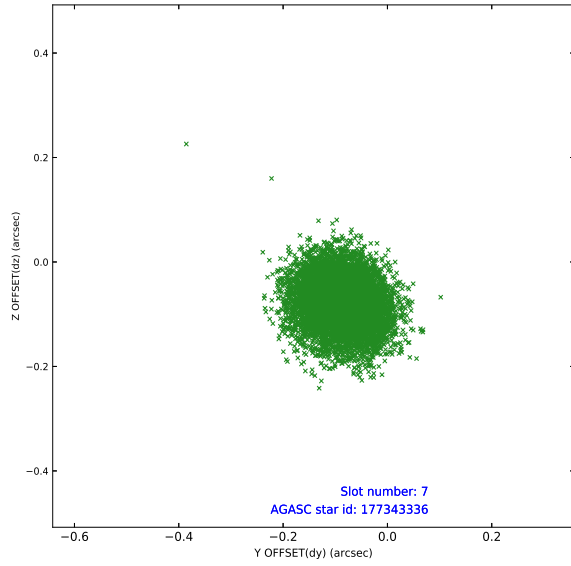
2.4.4 Slot 6



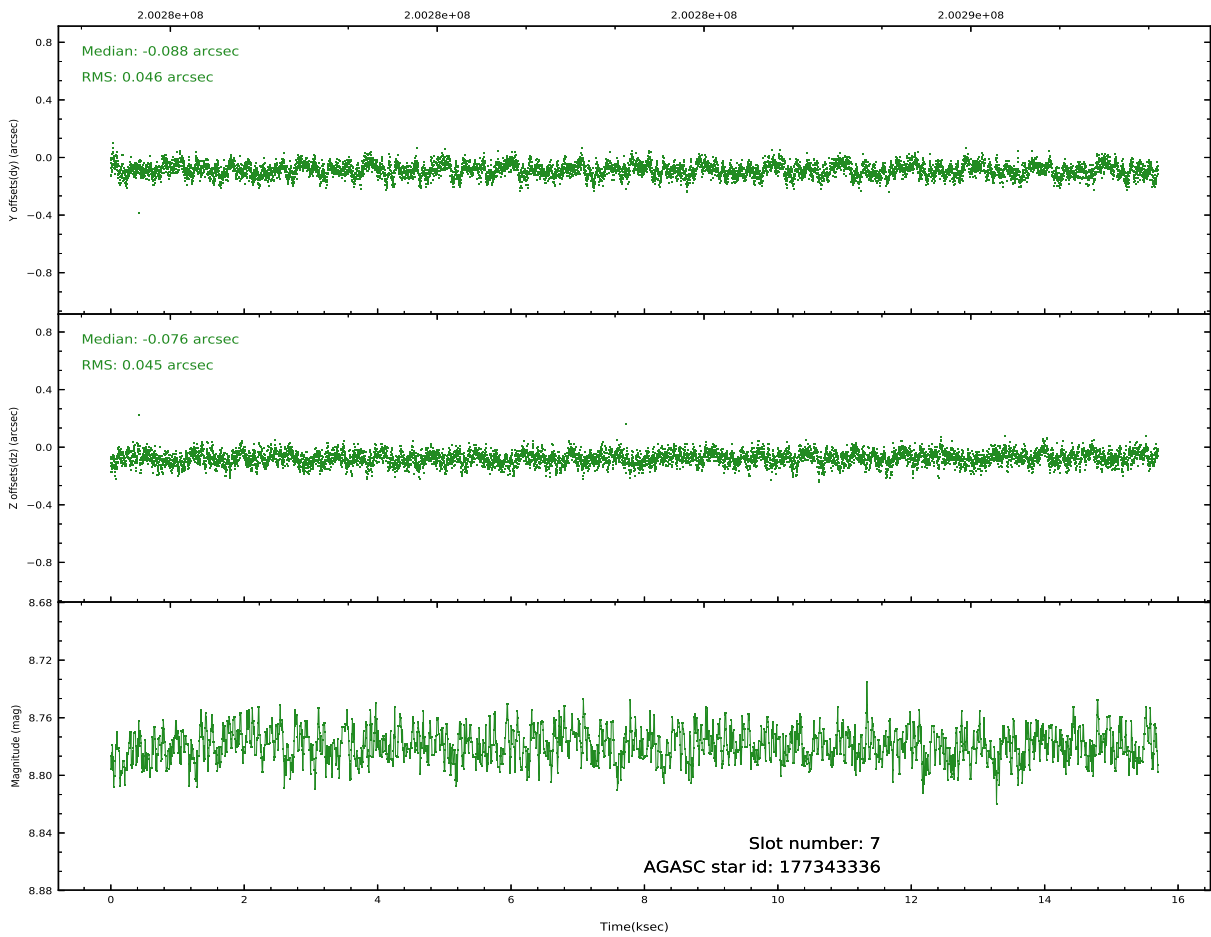
Time (s)



2.4.5 Slot 7

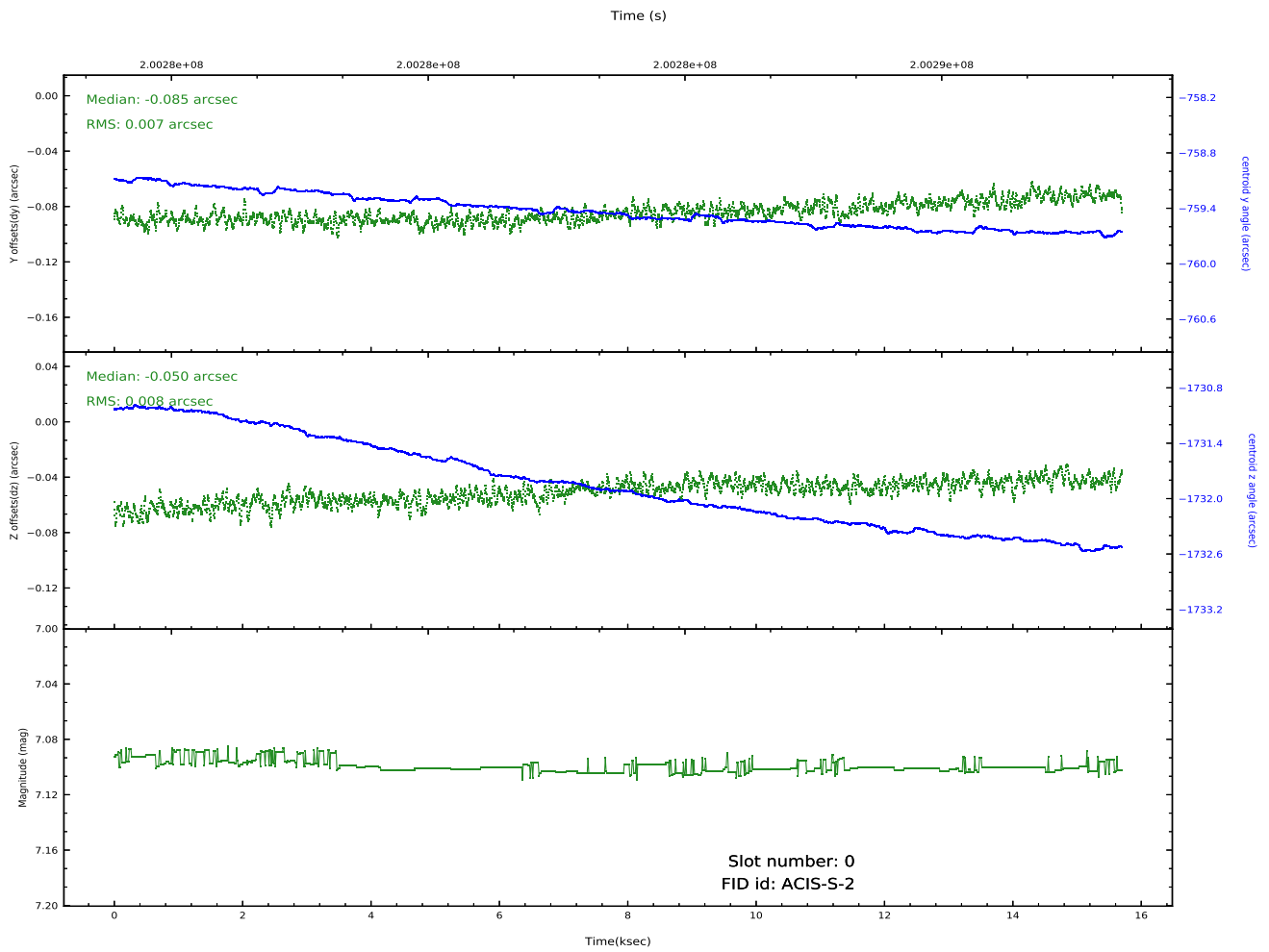
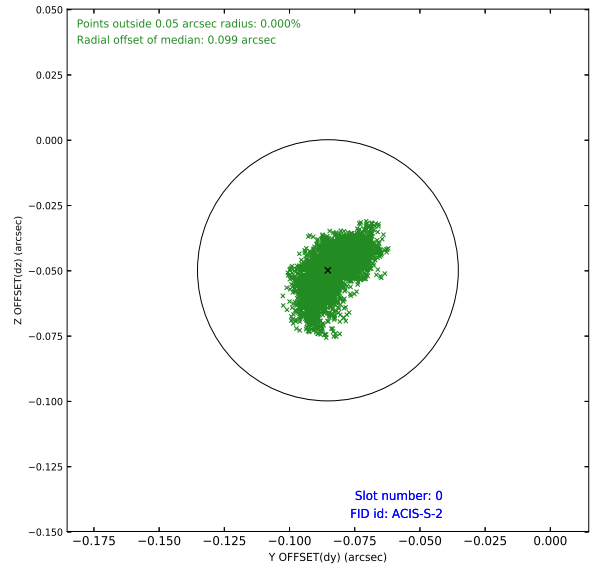
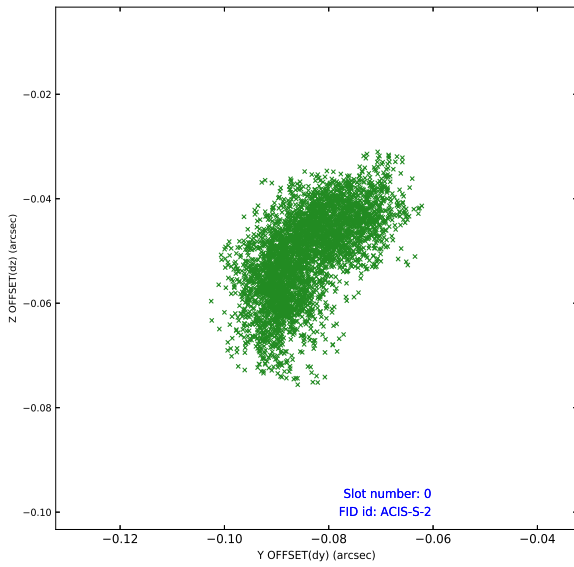


Time (s)

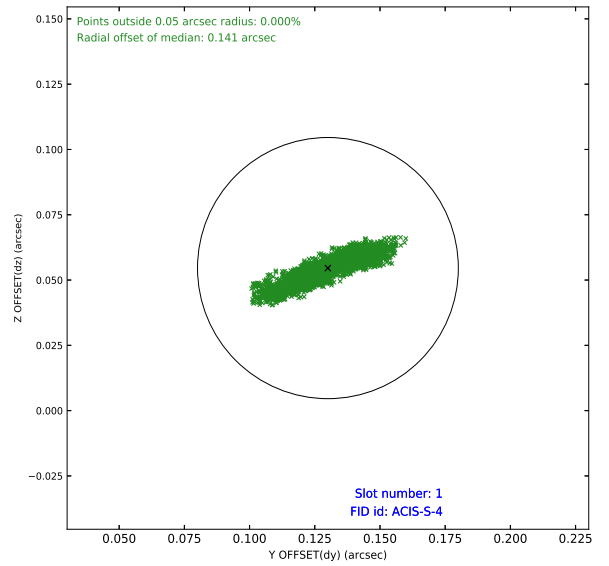
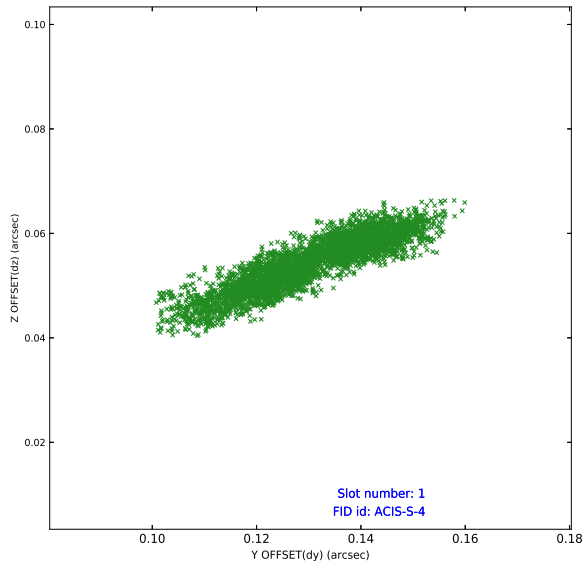


2.5 FID Slots

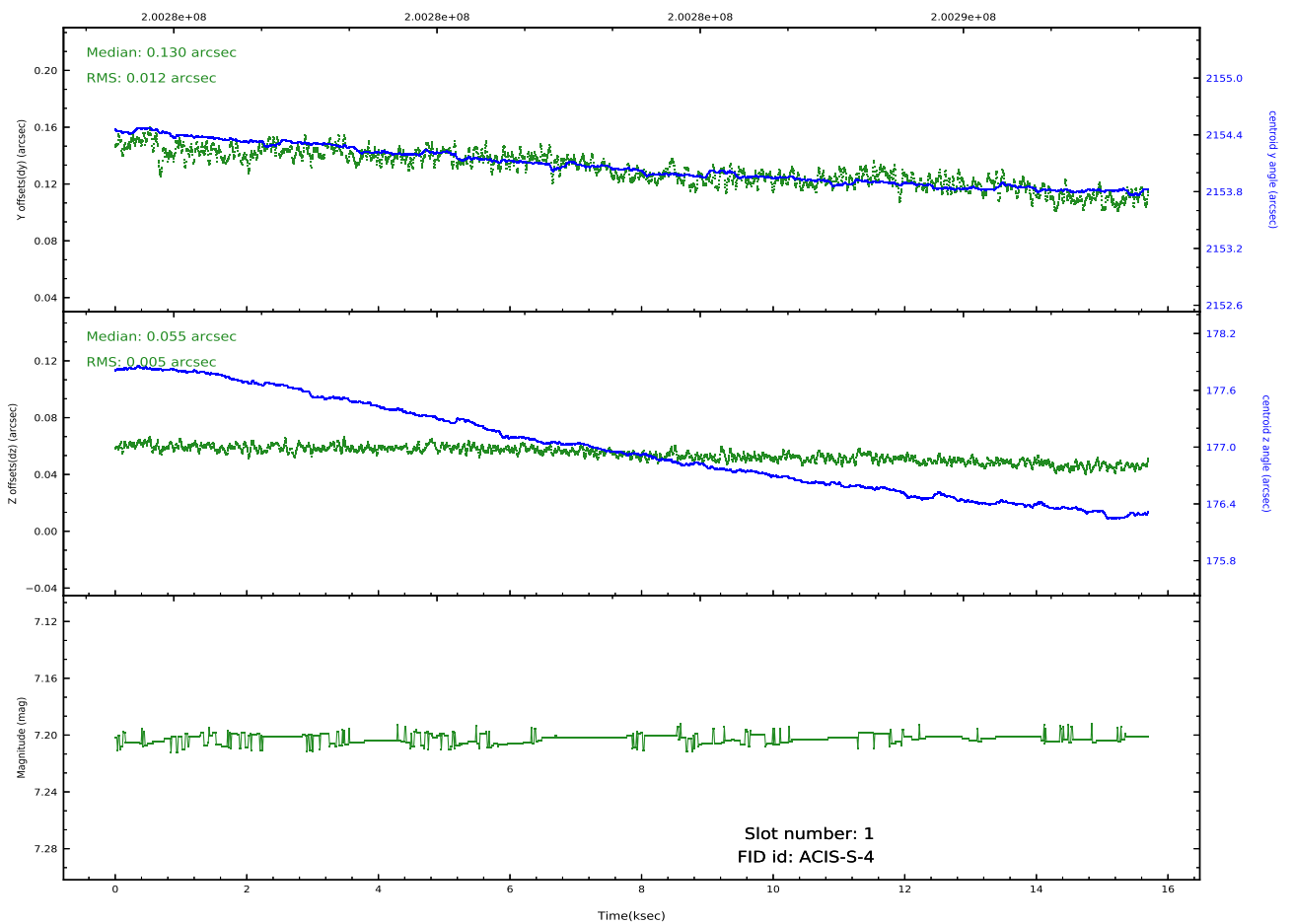
2.5.1 Slot 0



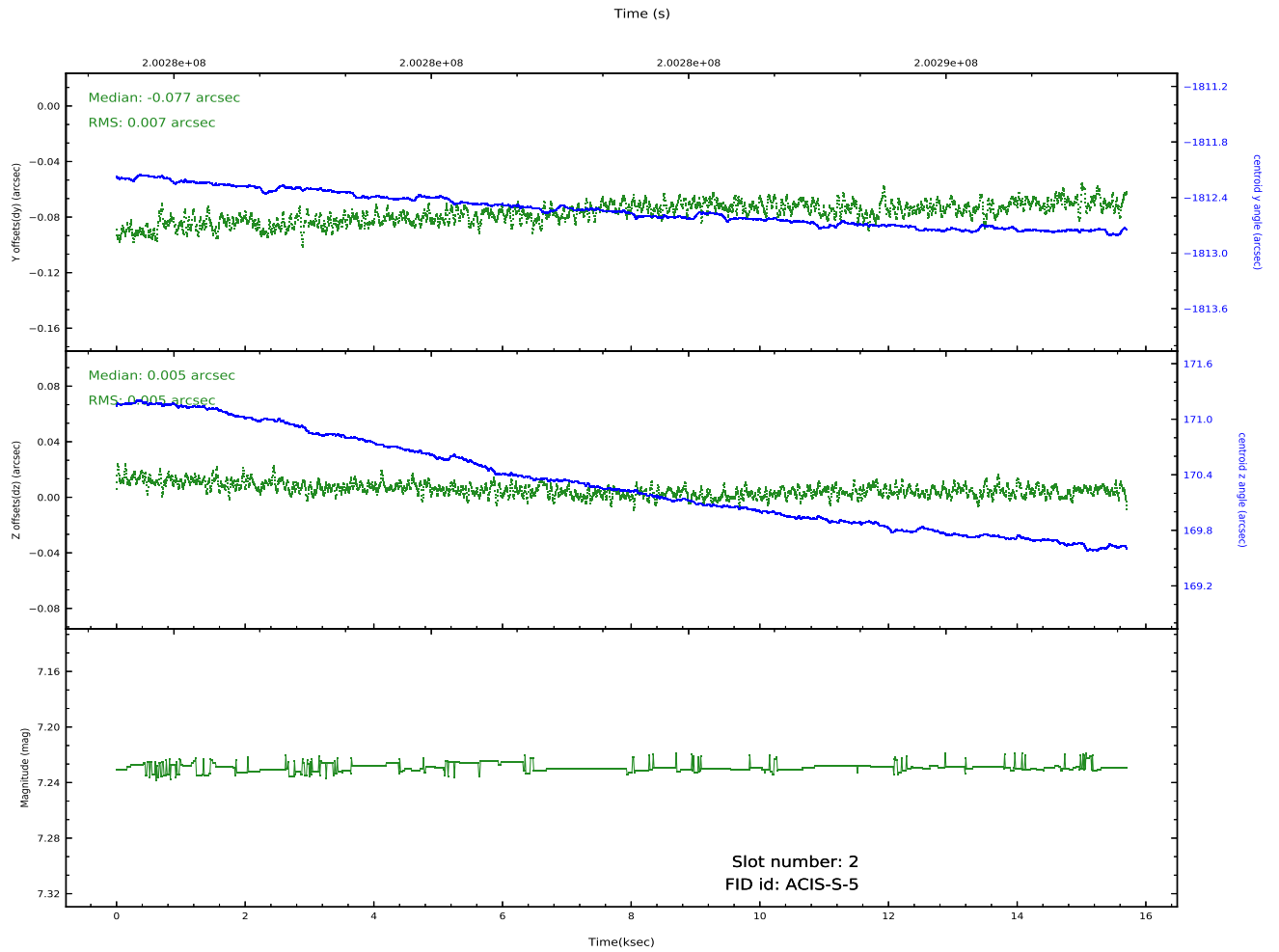
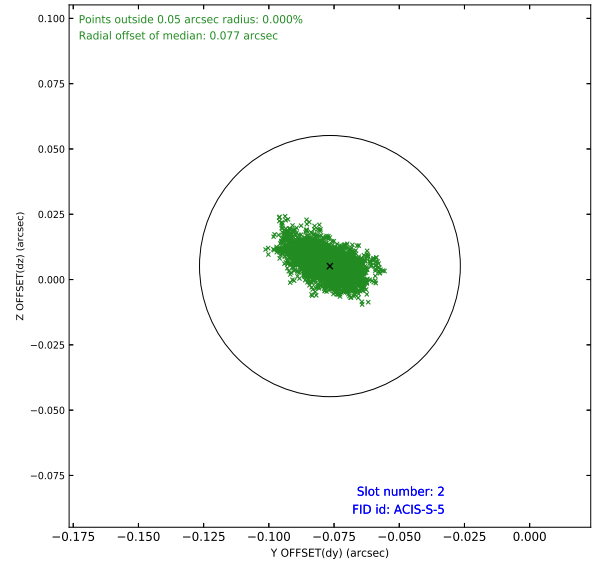
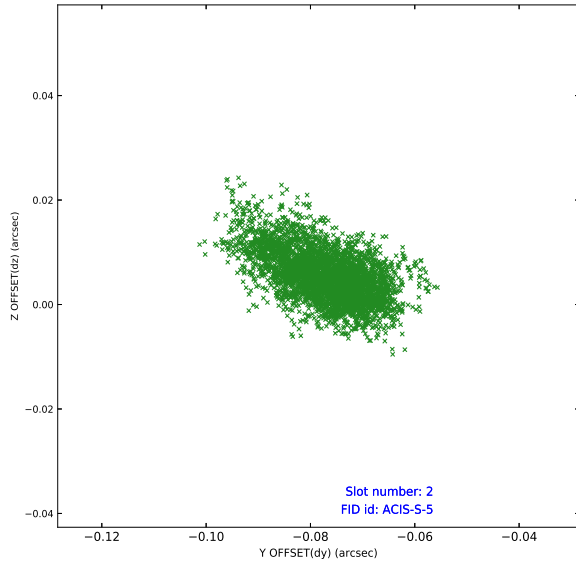
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.196

A.2 Comments