

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 7119 - L2 Version 3
Chandra X-Ray Center

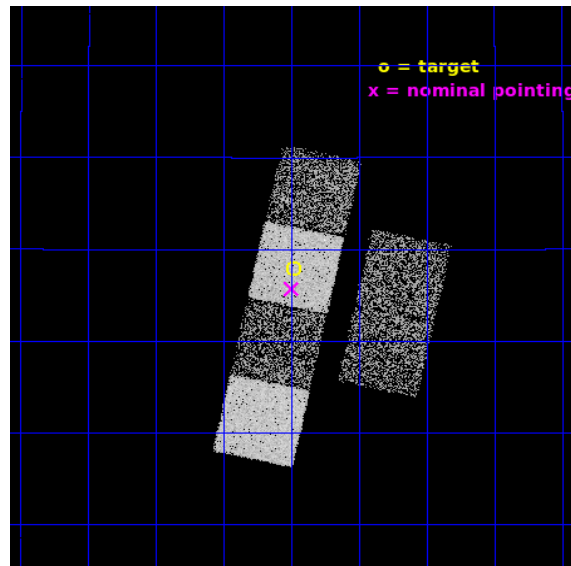
L2 Processing Date : Oct 11 2020

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1 Front

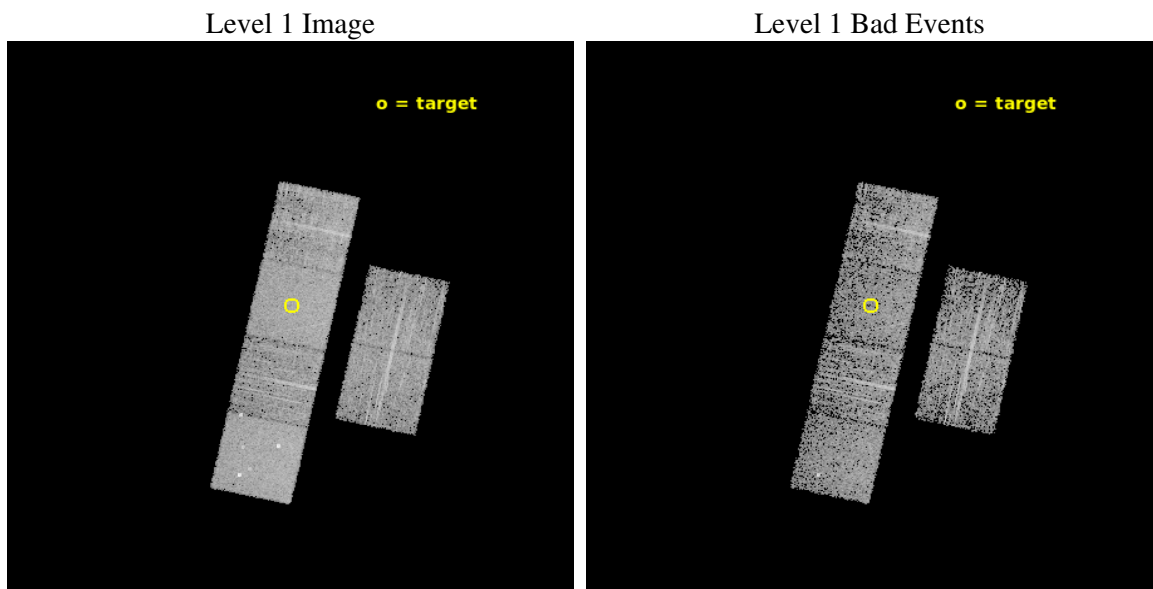
seq_num	600557	Sequence number
obs_id	7119	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 1036	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.120833	Observer's specified target RA [deg]
dec_targ	19.297194	Observer's specified target Dec [deg]
ra_nom	40.123804140704	Nominal RA [deg]
dec_nom	19.261686500946	Nominal Dec [deg]
roll_nom	282.20713272285	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3183.9999881387	Sum of GTIs [s]
livetime	3143.6822631142	Livetime [s]
ontime2	3183.9999881387	Sum of GTIs [s]
ontime3	3183.9999881387	Sum of GTIs [s]
ontime5	3183.9999881387	Sum of GTIs [s]
ontime6	3183.9999881387	Sum of GTIs [s]
ontime7	3183.9999881387	Sum of GTIs [s]
ontime8	3183.9999881387	Sum of GTIs [s]
l2events	41062	Number of level 2 events



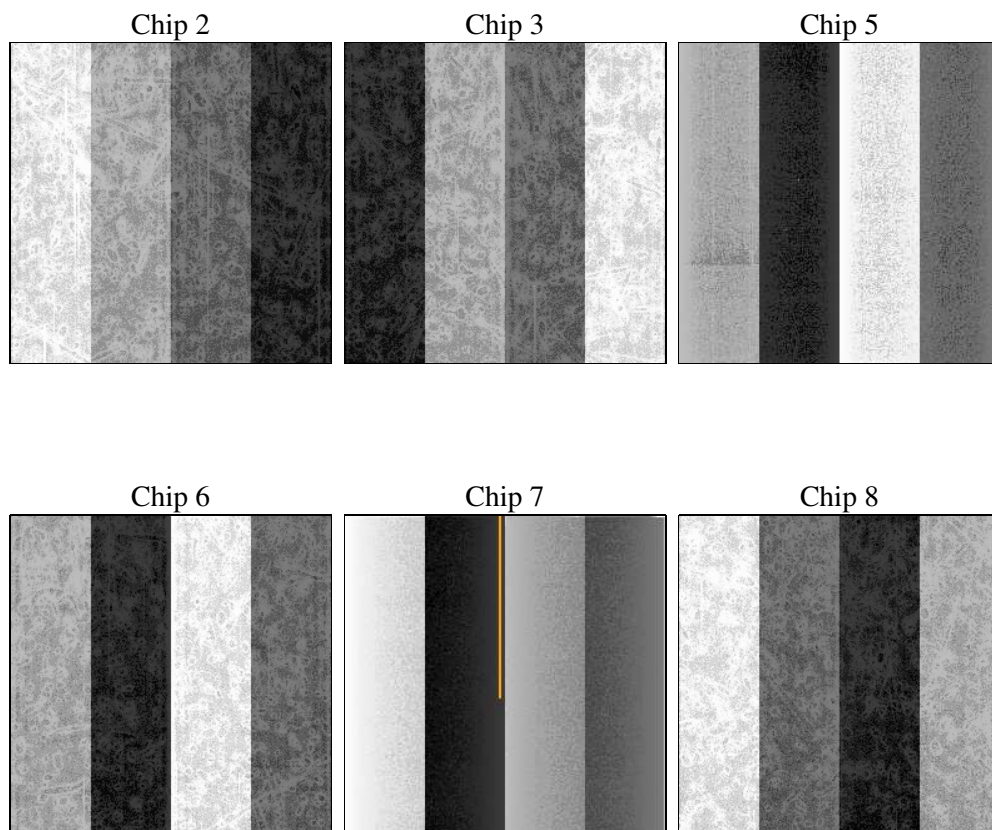
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3010.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3183.9999881387	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	3183.9999881387	Sum of GTIs [s]
date	2020-10-12T02:44:22	Date and time of file creation	ontime3	3183.9999881387	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3183.9999881387	Sum of GTIs [s]
			ontime6	3183.9999881387	Sum of GTIs [s]
			ontime7	3183.9999881387	Sum of GTIs [s]
			ontime8	3183.9999881387	Sum of GTIs [s]
			l1events	207817	Number of level 1 events

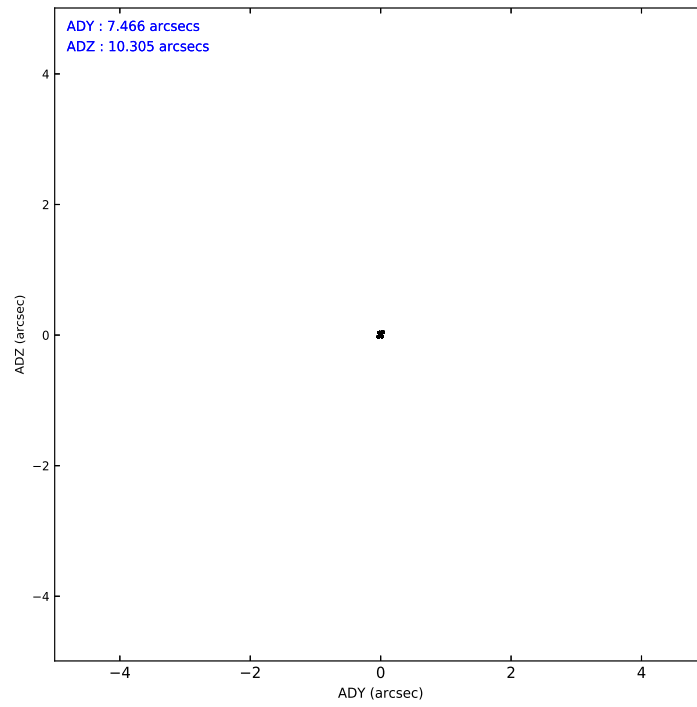
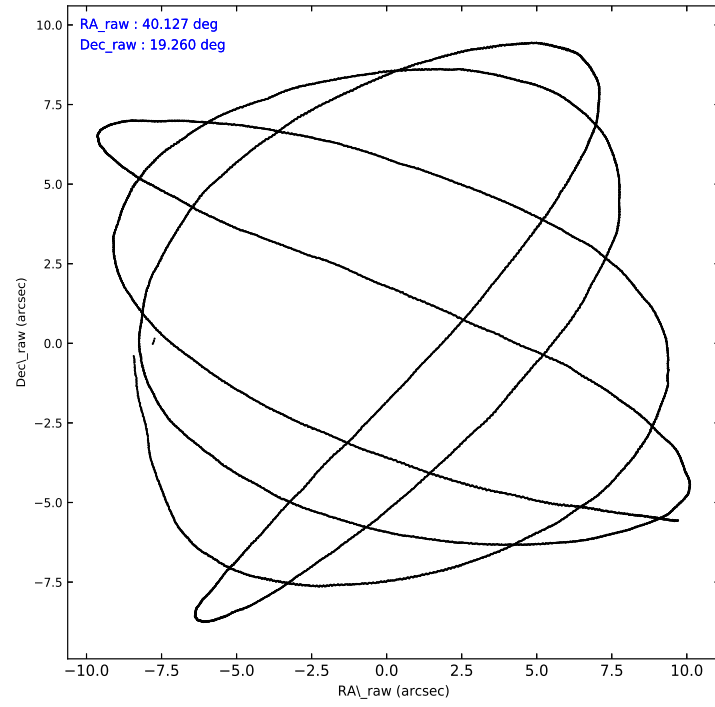
2.1.4 Events

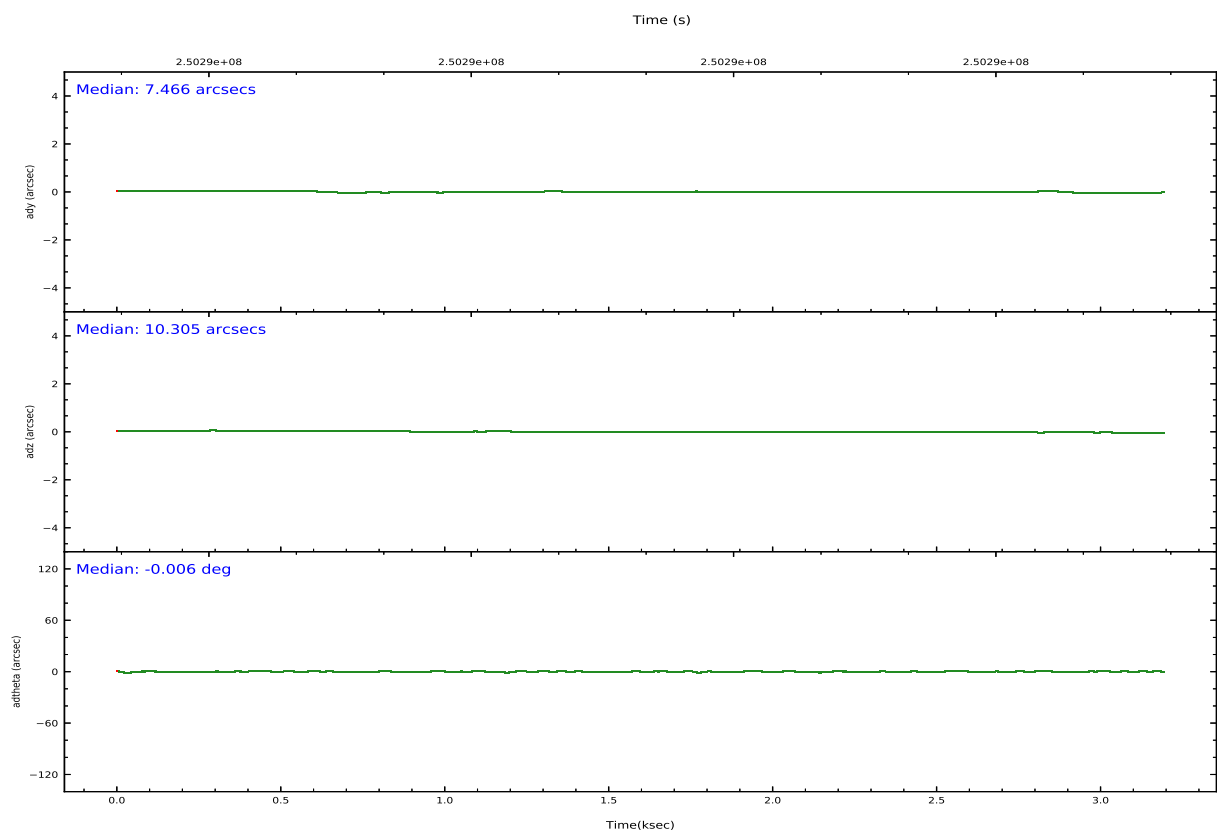
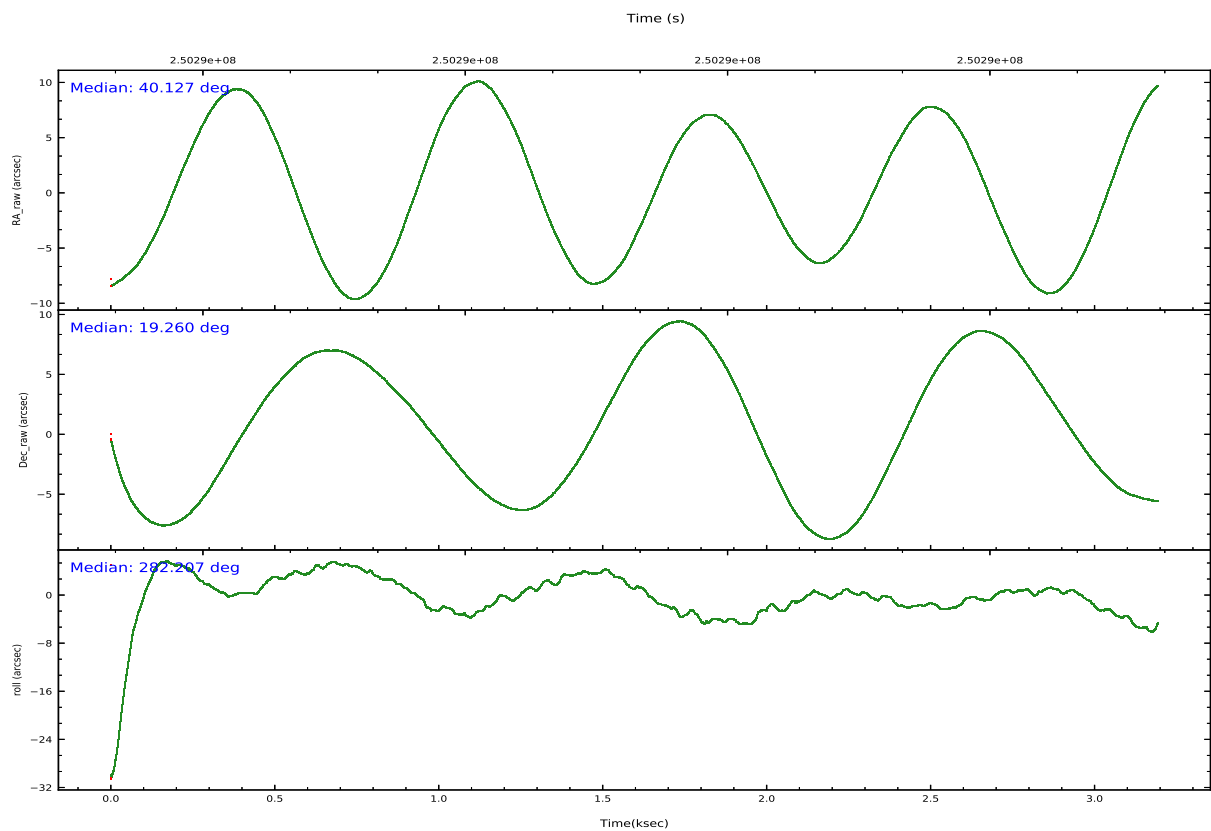
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30056	28806	45062	28318	39080	36495	grade 0 events	1538	1440	2710	1215	1377	2355
rejected events	26927	25824	26392	25449	24655	29543		5%	4%	6%	4%	3%	6%
rejected %	89%	89%	58%	89%	63%	80%	grade 1 events	24	16	81	15	47	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	742	694	6148	677	3305	1854
								2%	2%	13%	2%	8%	5%
							grade 3 events	313	332	817	328	1421	708
								1%	1%	1%	1%	3%	1%
							grade 4 events	320	302	721	323	1468	651
								1%	1%	1%	1%	3%	1%
							grade 5 events	1087	1257	3191	1285	3792	1777
								3%	4%	7%	4%	9%	4%
							grade 6 events	566	543	10494	689	8567	2203
								1%	1%	23%	2%	21%	6%
							grade 7 events	25466	24222	20900	23786	19103	26921
								84%	84%	46%	83%	48%	73%

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	40.107695	40.123804140704	Subarray requested	NONE	NONE
[deg] Pointing Dec	19.280229	19.261686500946	Alternating exposures requested	N	N
[deg] Pointing Roll	282.052543	282.20713272285	[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)	250291903.184000	250290650.15302			
Observation start date	2005-12-06T21:30:39	2005-12-06T21:10:50			
[s] Observation end time (MET)	250294913.184000	250295903.79076			
Observation end date	2005-12-06T22:20:49	2005-12-06T22:38:23			
Read mode	TIMED	TIMED			

2.3 Aspect



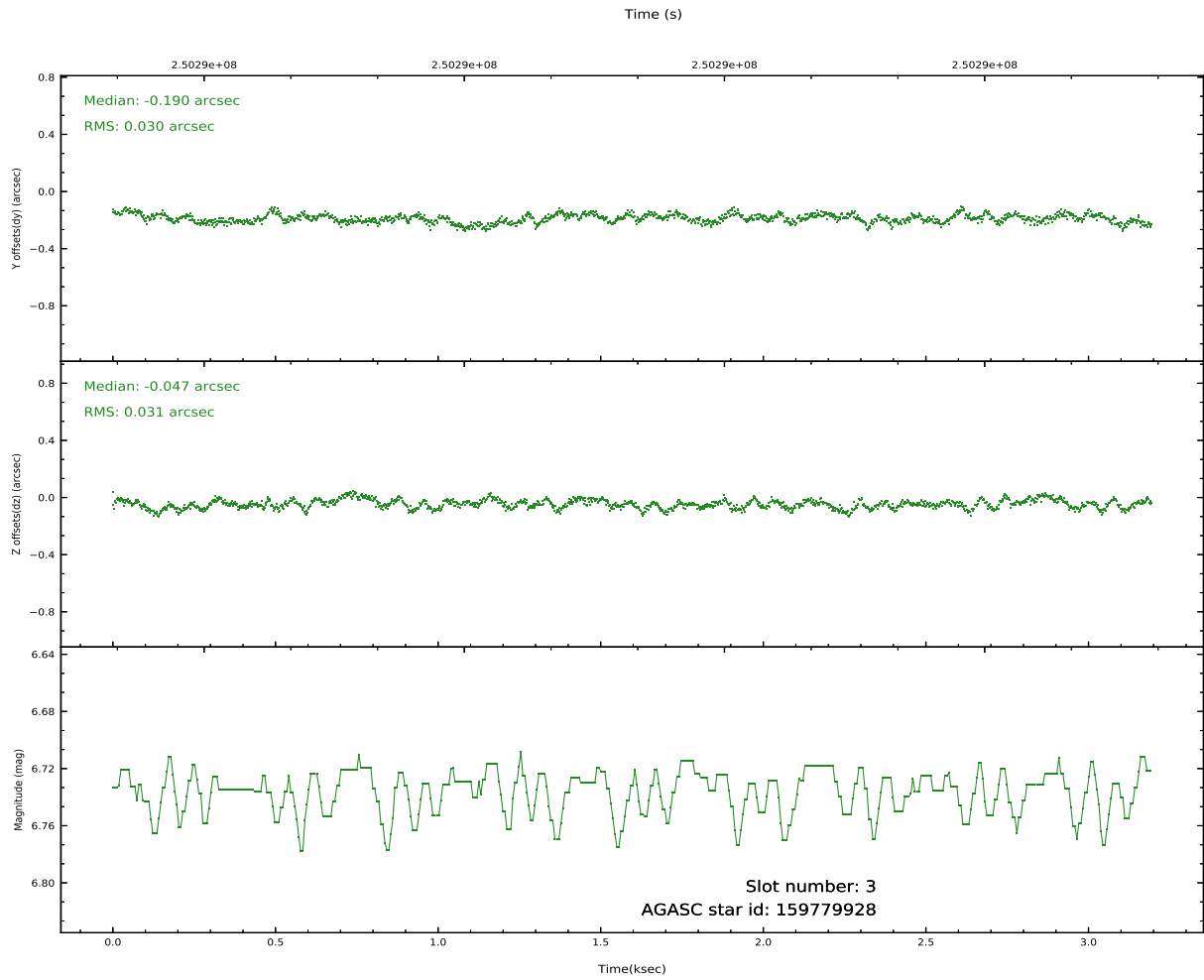
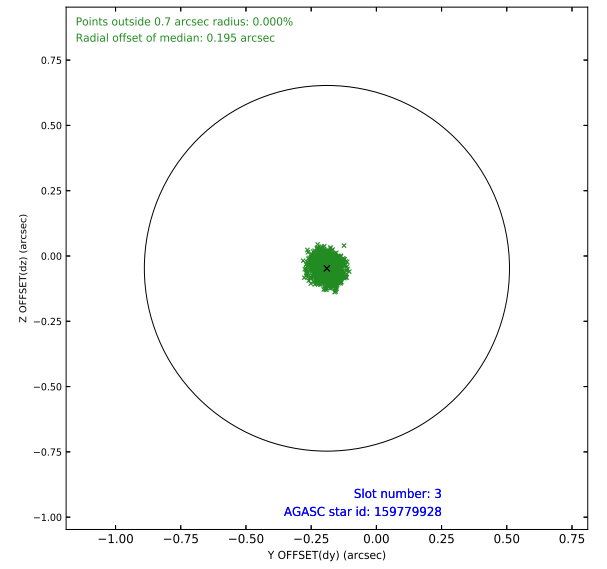
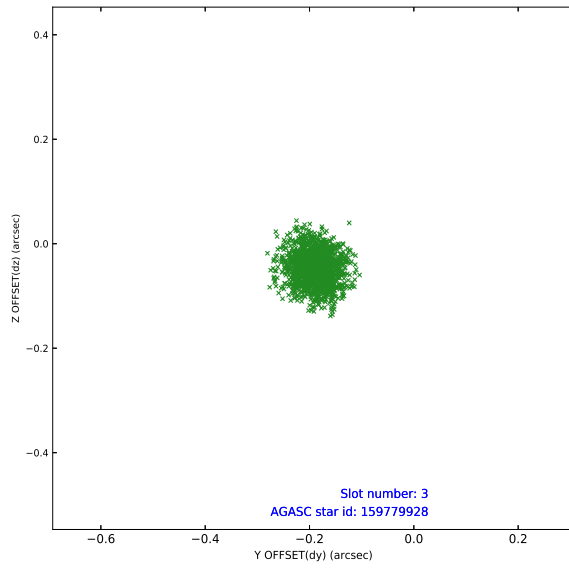


Slot Statistics

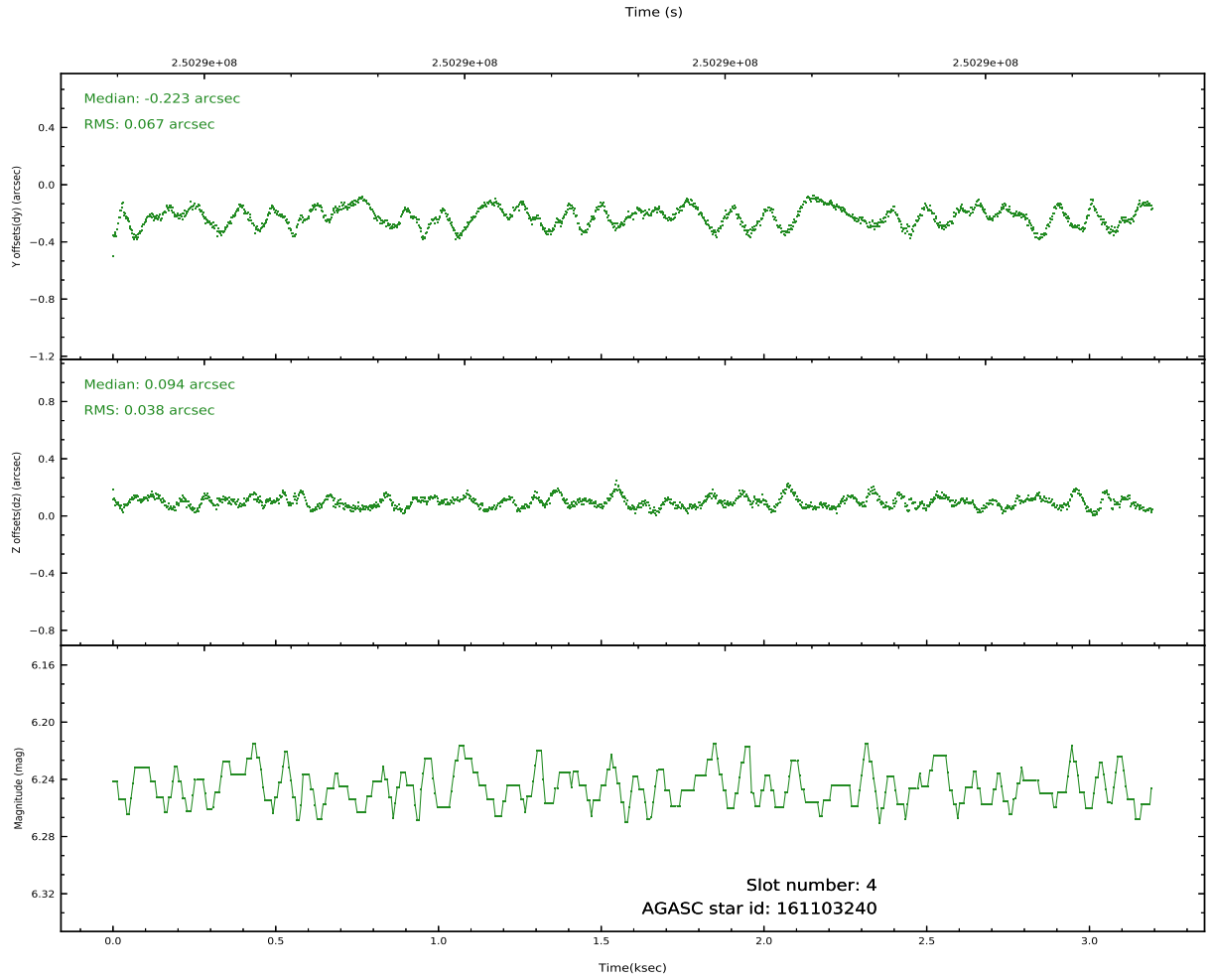
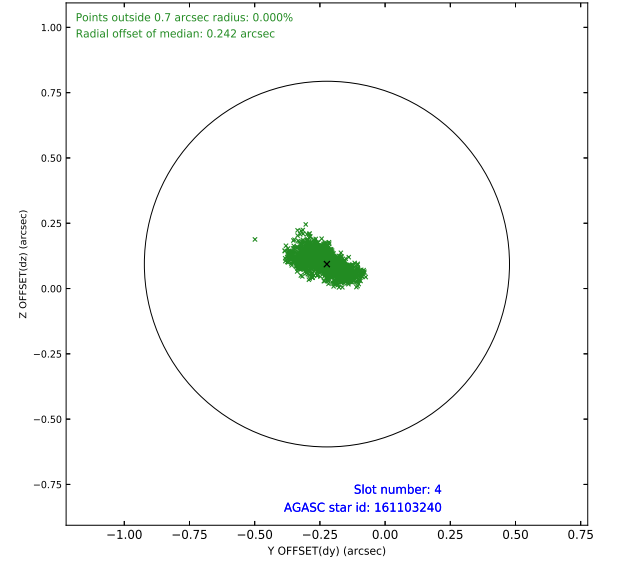
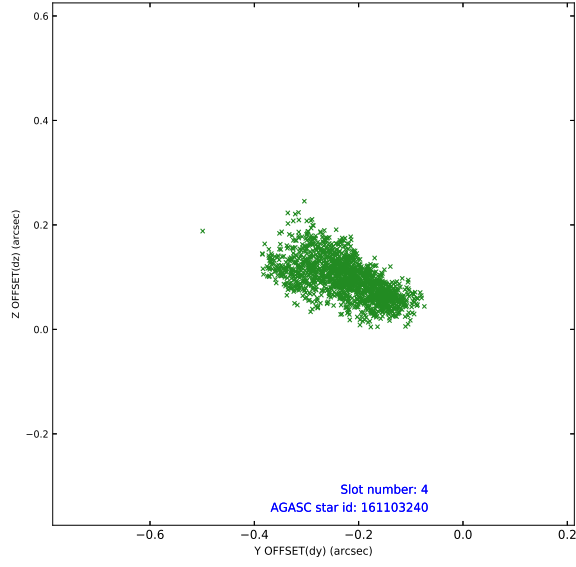
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	779	1.000	-0.115	-0.097	0.005	0.009	0.000000	0.000000	-760.29	-1731
1	FID		ACIS-S-4	7.21	780	1.000	0.102	0.054	0.006	0.011	0.000000	0.000000	2152.24	174
2	FID		ACIS-S-6	7.35	779	1.000	-0.016	0.050	0.007	0.012	0.000000	0.000000	404.28	814
3	GUIDE	used	159779928	6.73	1559	1.000	-0.190	-0.047	0.046	0.074	39.655555	19.727668	-1897.51	-1161
4	GUIDE	used	161103240	6.25	1559	1.000	-0.223	0.094	0.084	0.134	40.591415	20.011463	-2236.47	2150
5	GUIDE	used	160709888	8.31	1556	1.000	0.197	0.066	0.076	0.116	40.137843	18.599770	2415.53	-409
6	GUIDE	used	160701576	8.76	1559	1.000	-0.093	0.050	0.076	0.123	40.265110	19.984548	-2367.34	1050
7	GUIDE	used	160694856	9.77	1557	1.000	0.313	-0.165	0.114	0.194	40.260553	18.791551	1827.66	142

2.4 Star Slots

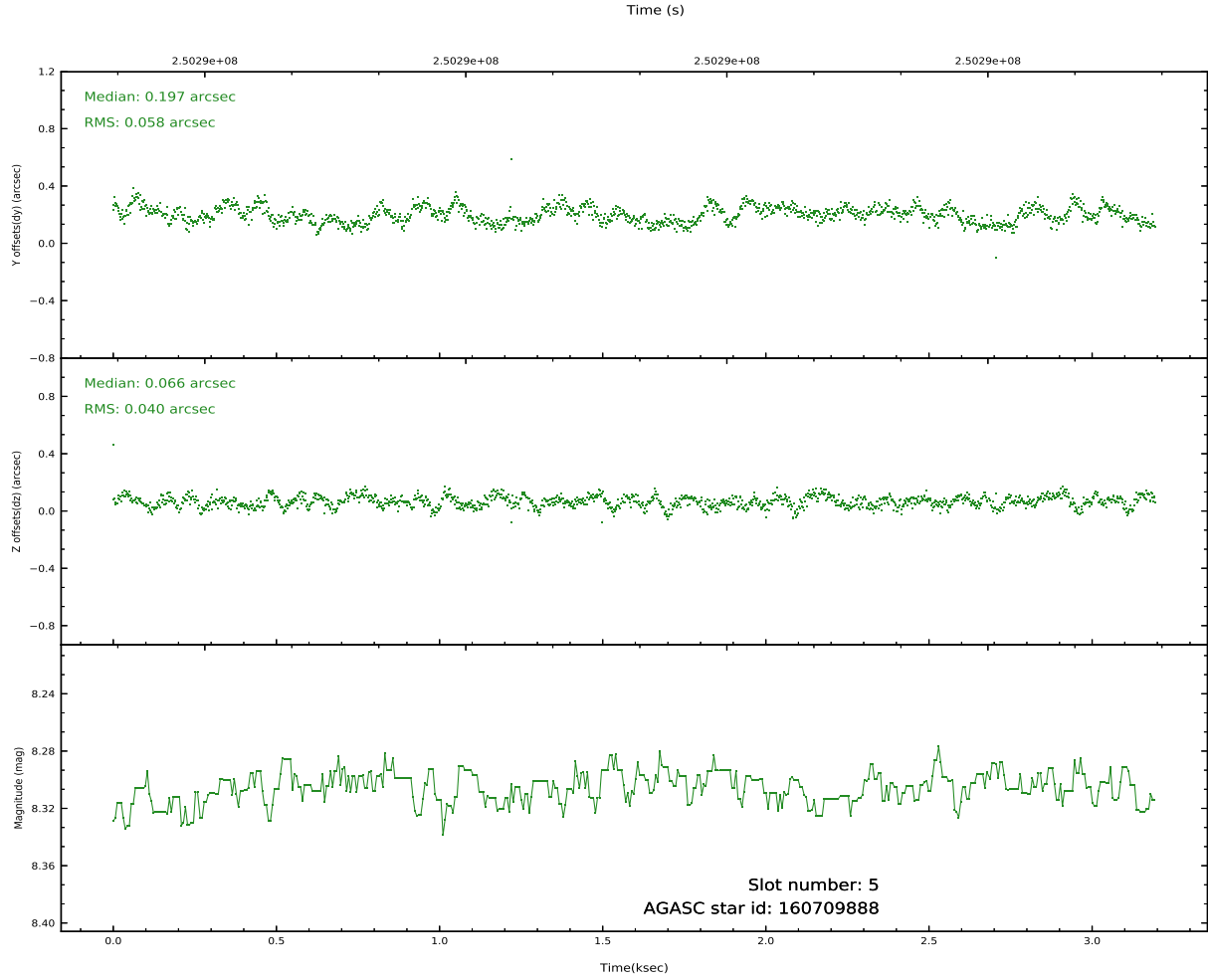
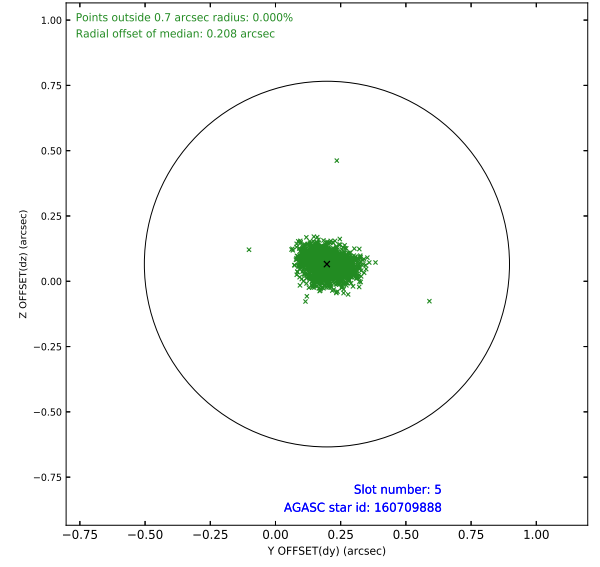
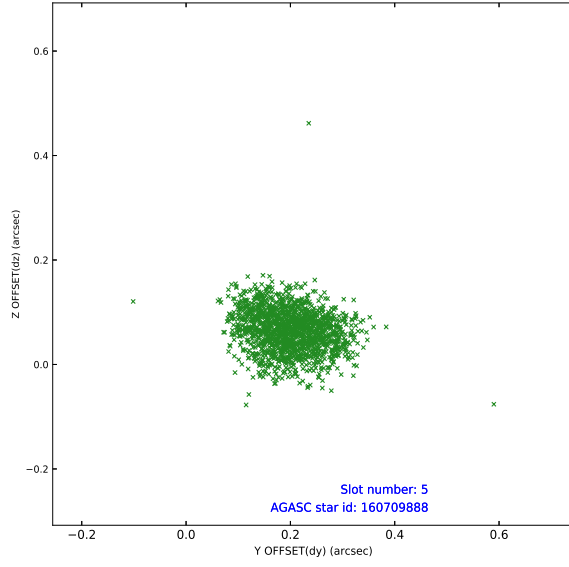
2.4.1 Slot 3



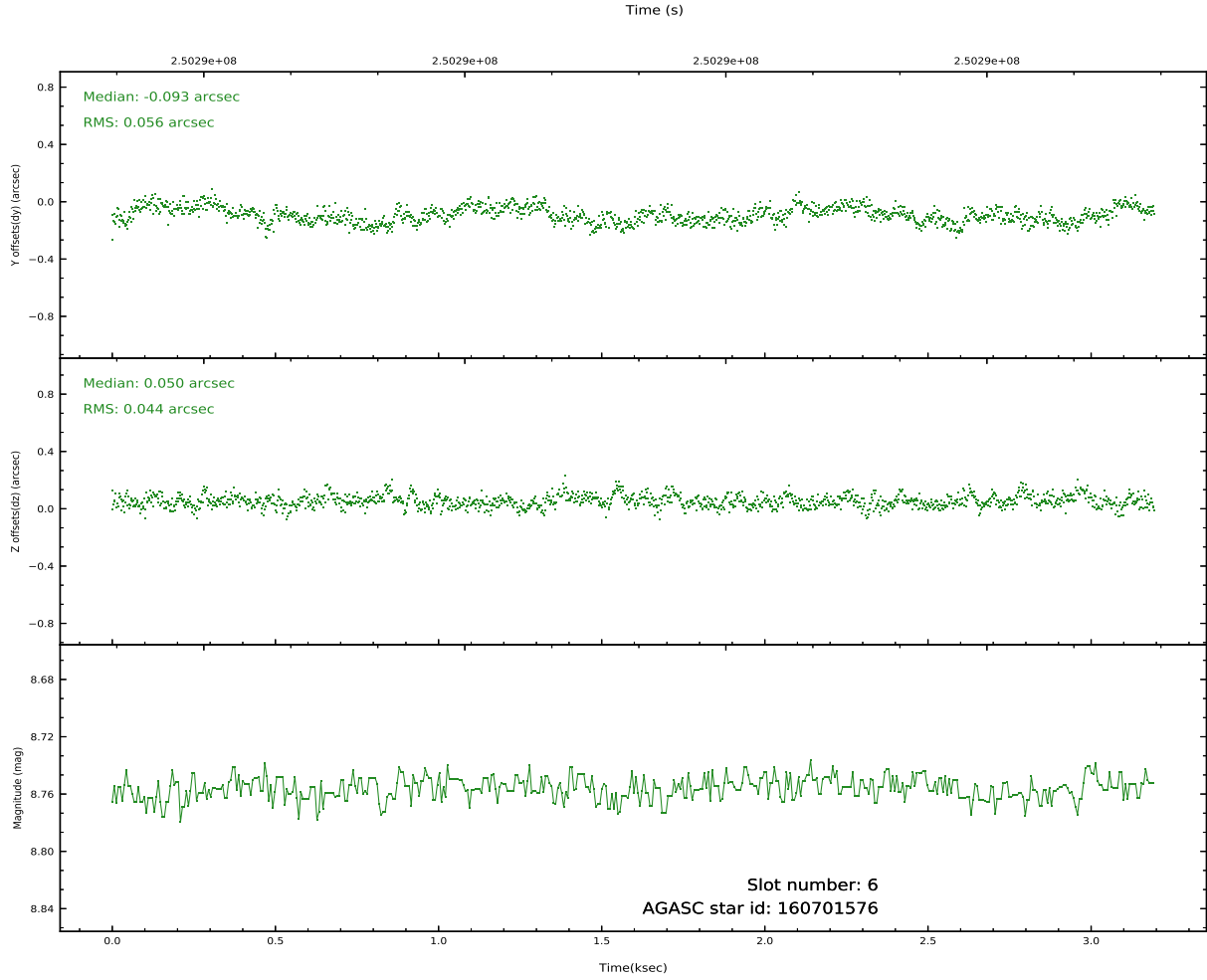
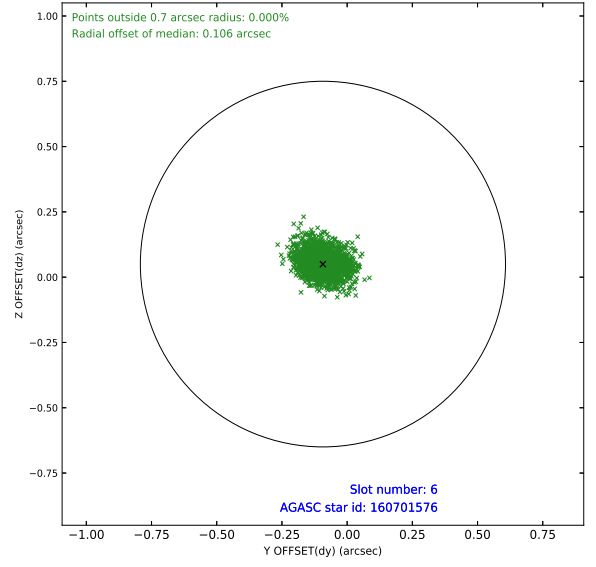
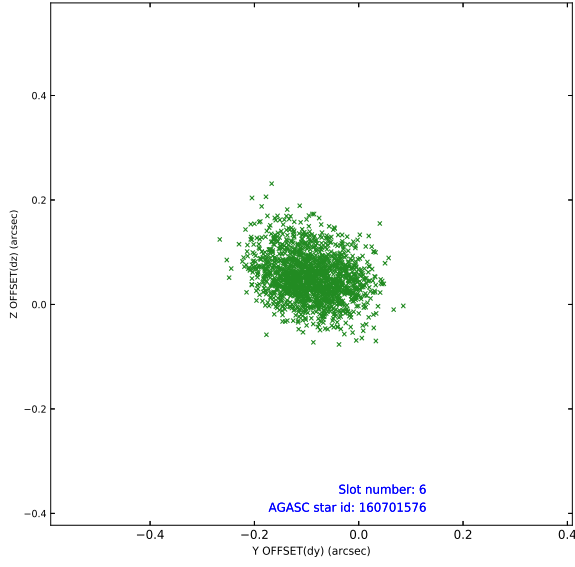
2.4.2 Slot 4



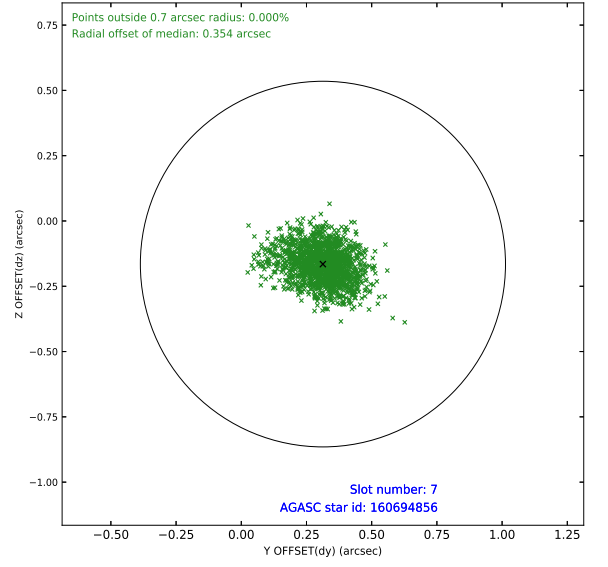
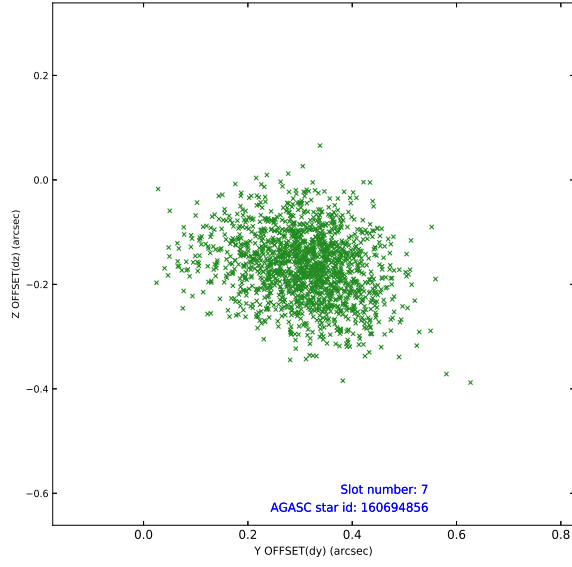
2.4.3 Slot 5



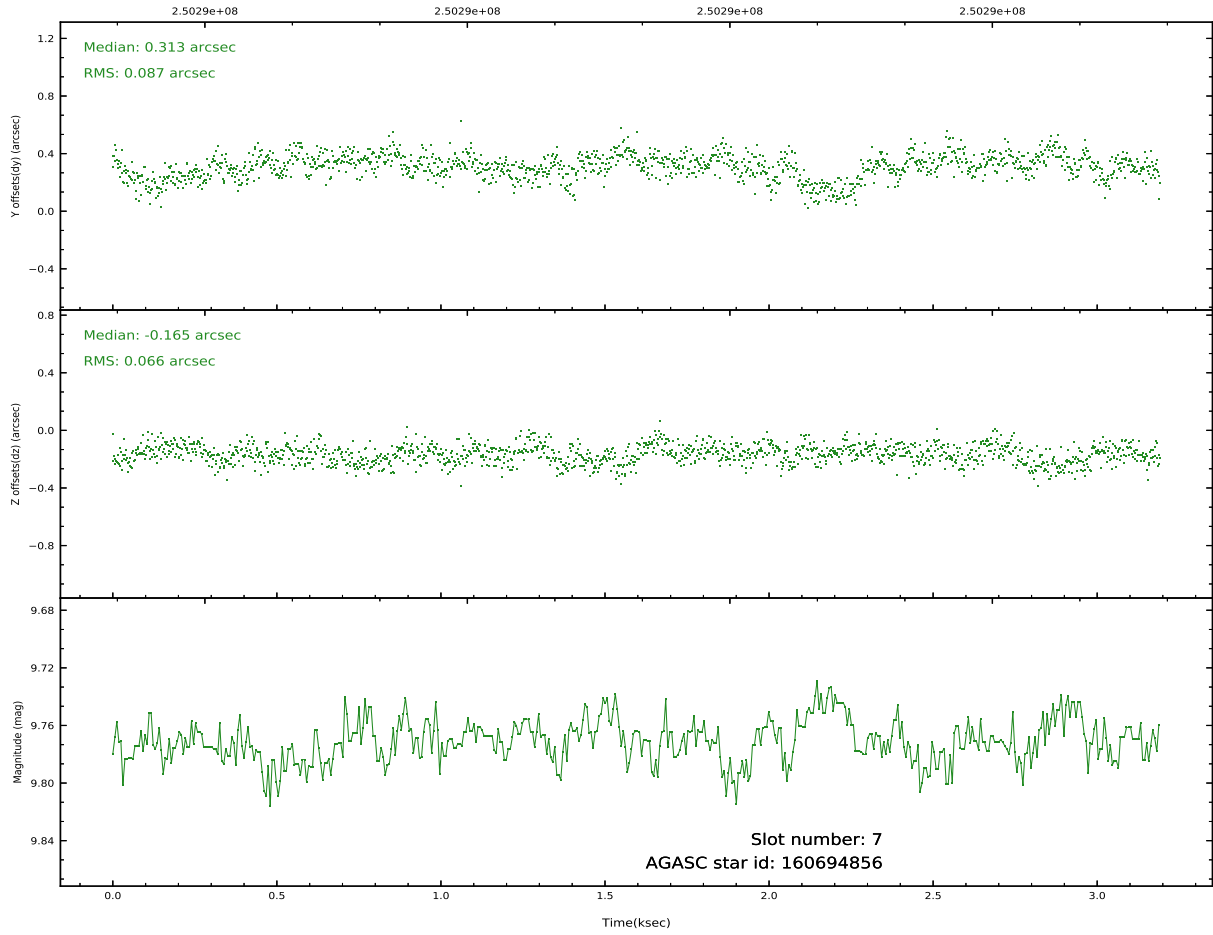
2.4.4 Slot 6



2.4.5 Slot 7

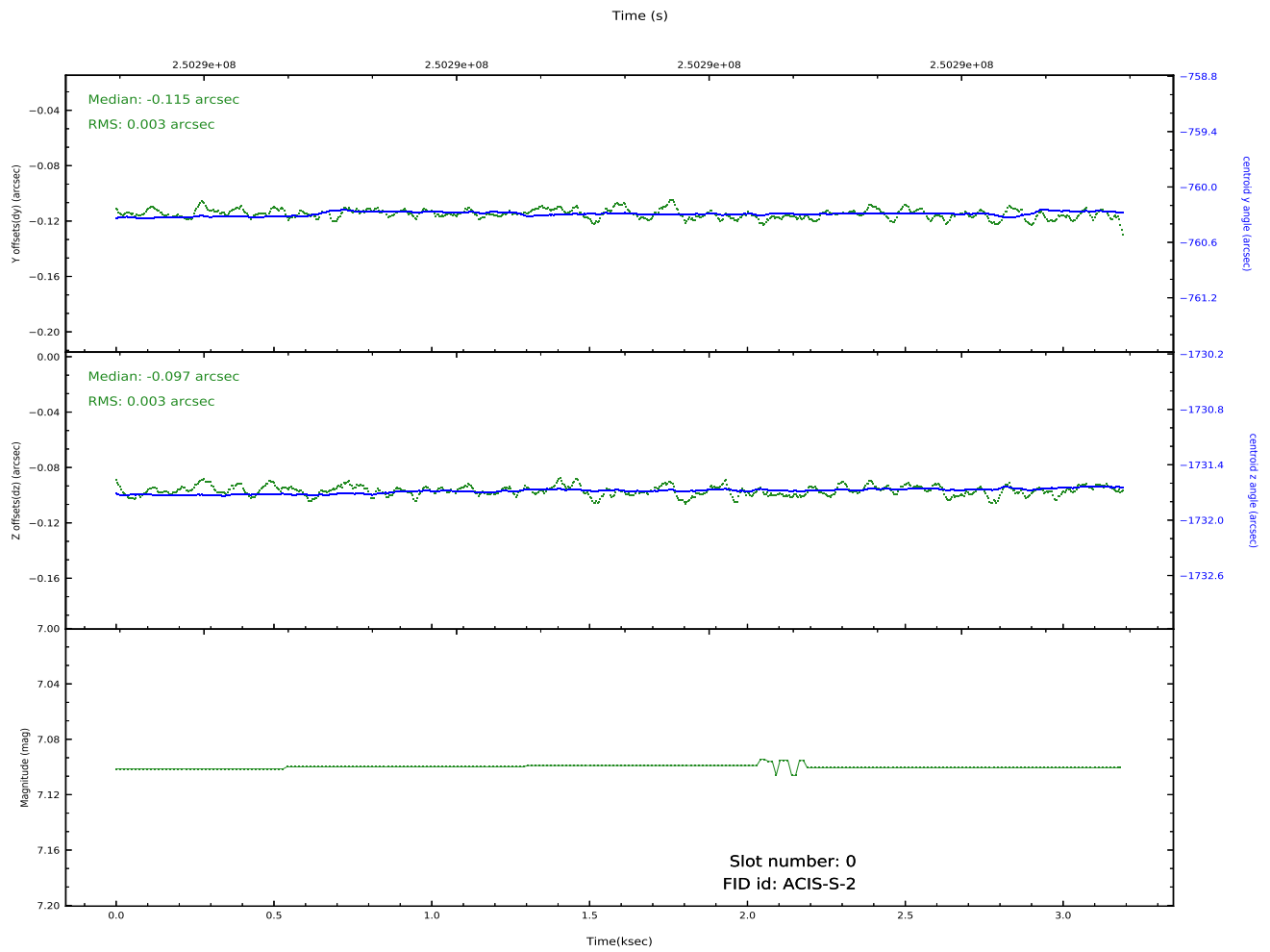
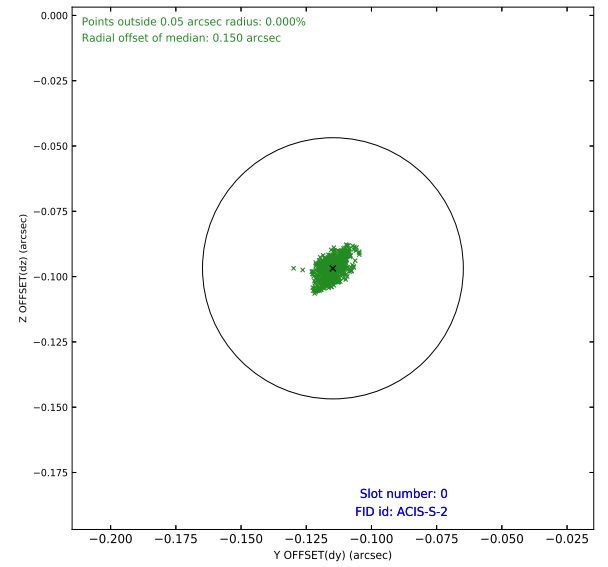
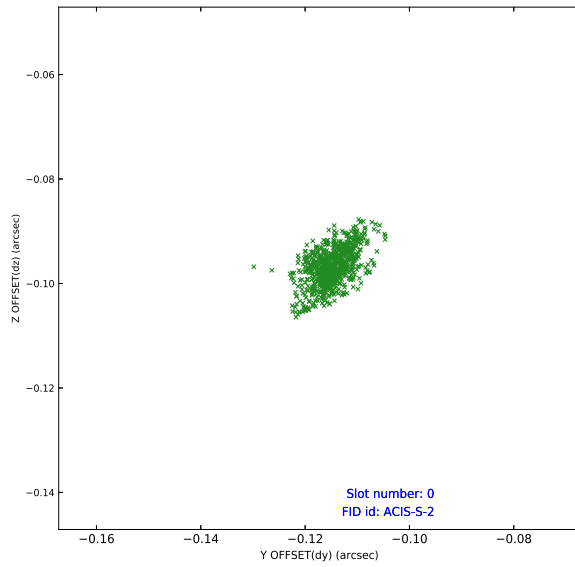


Time (s)

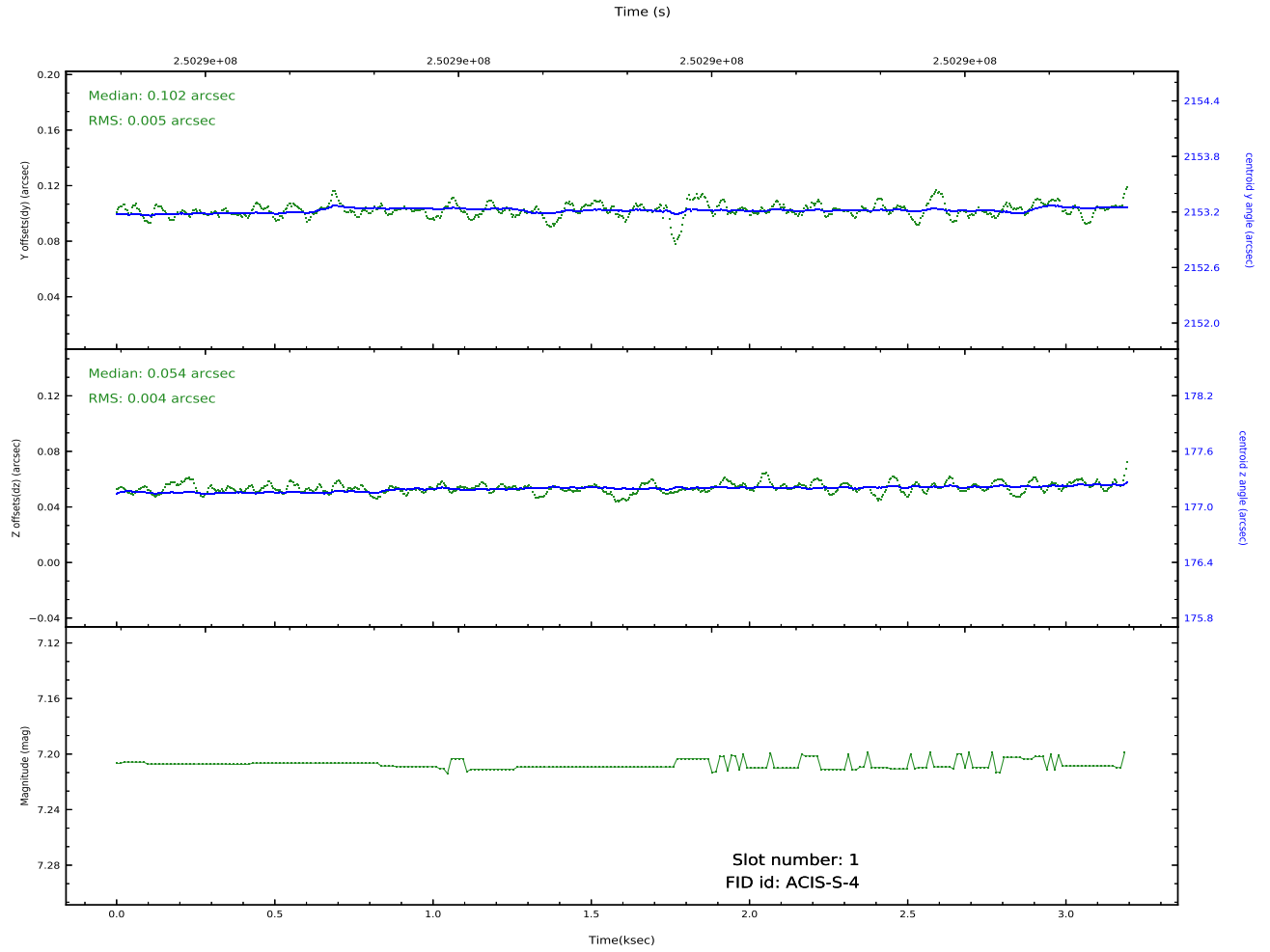
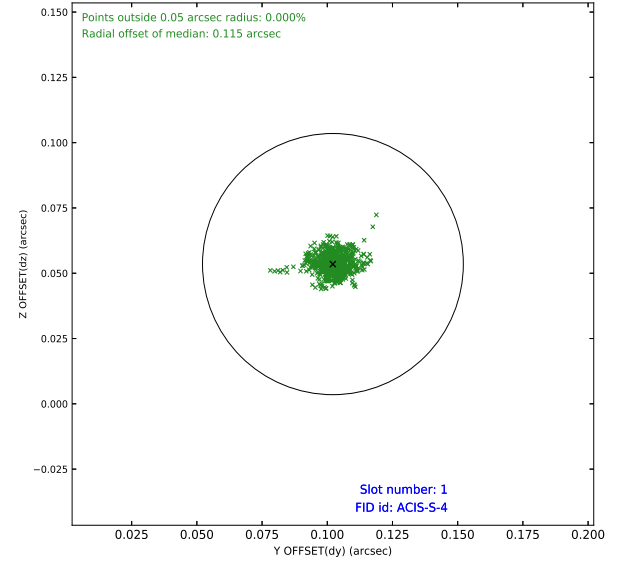
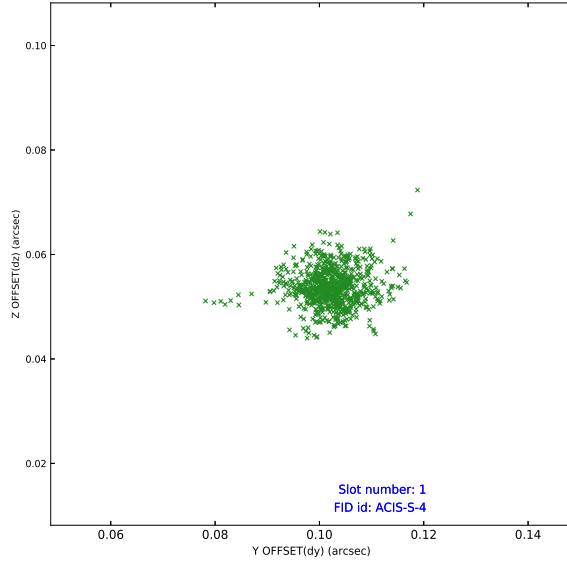


2.5 FID Slots

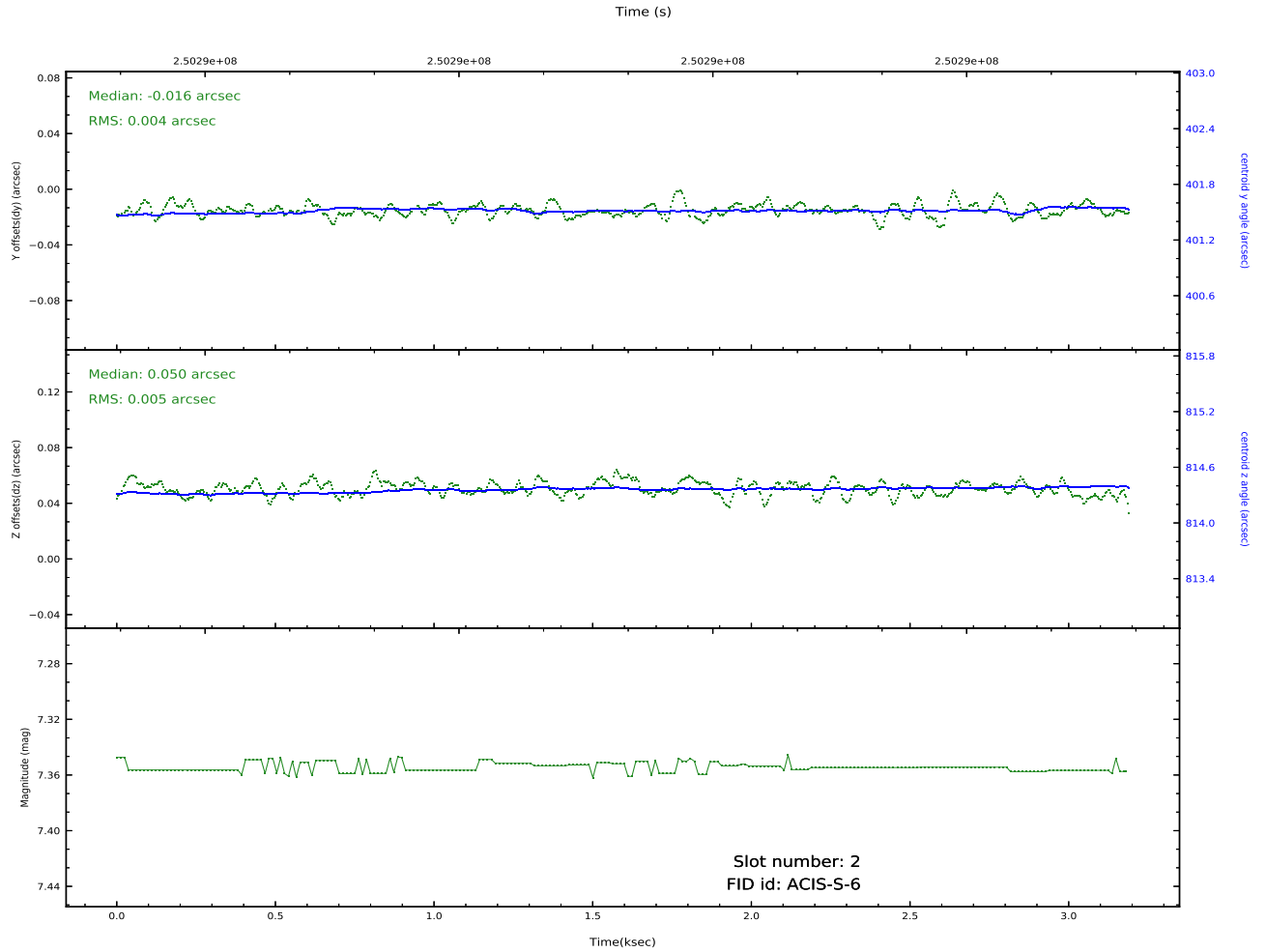
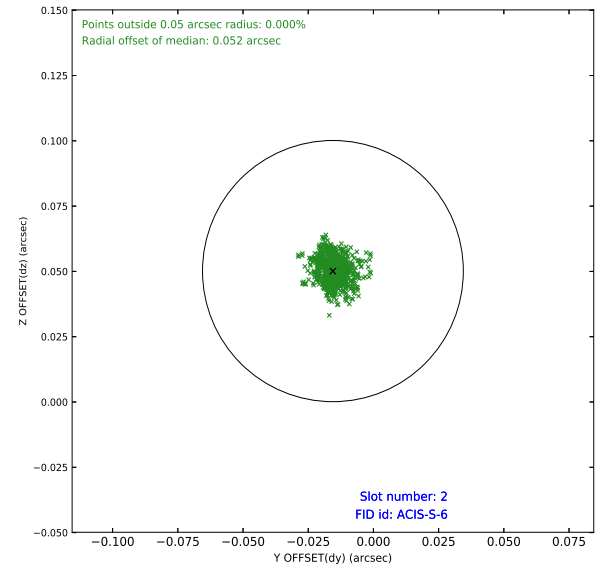
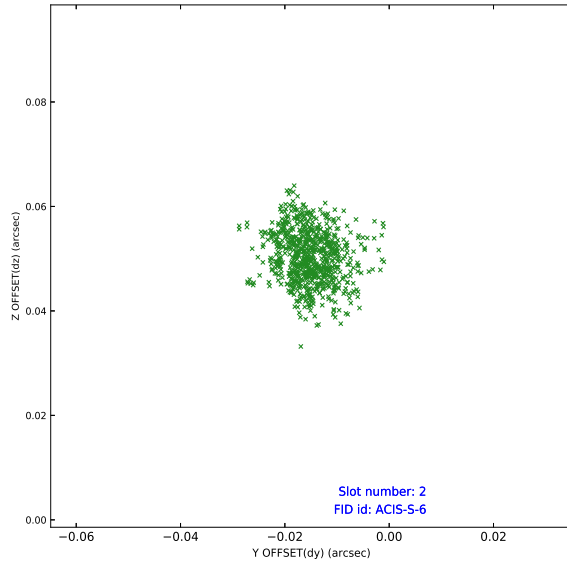
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.183999

A.2 Comments