

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5580 - L2 Version 4
Chandra X-Ray Center

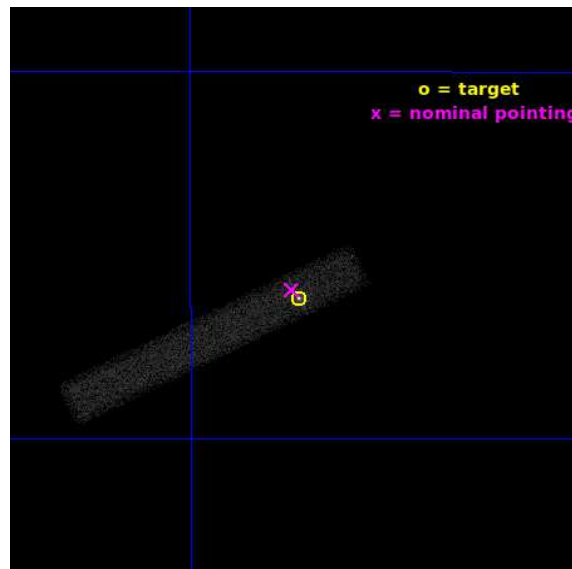
L2 Processing Date : Oct 9 2020

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1 Front

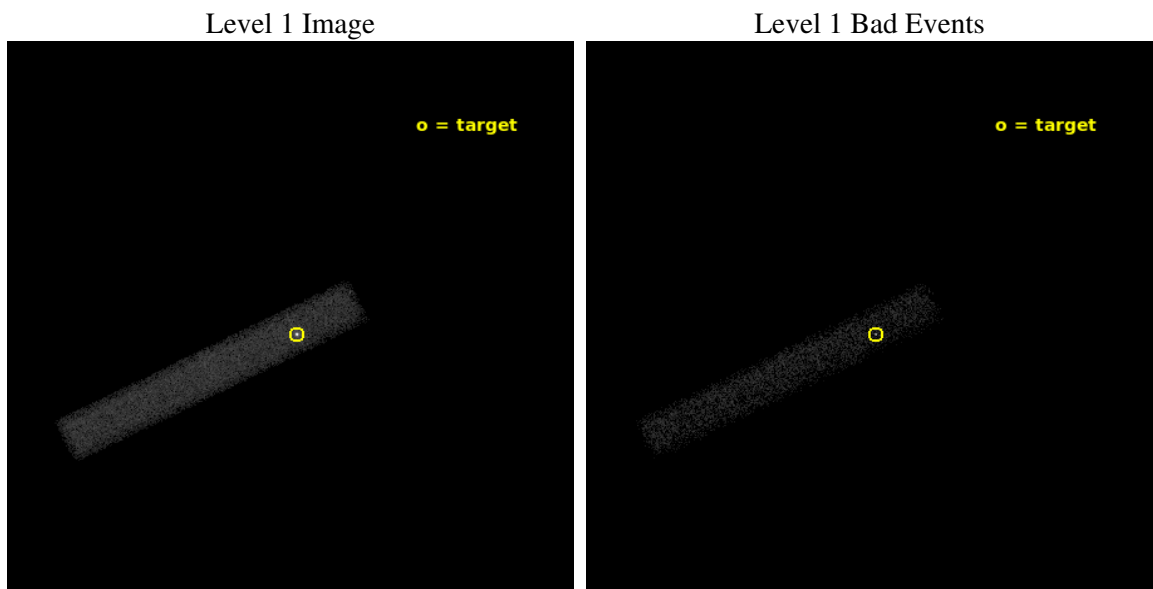
seq_num	500569	Sequence number
obs_id	5580	Observation id
title	Chandra AO6 Monitoring Images of SNR1987A	Proposal title
observer	David Burrows	Principal investigator
object	SN 1987A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.866667	Observer's specified target RA [deg]
dec_targ	-69.26975	Observer's specified target Dec [deg]
ra_nom	83.874731935652	Nominal RA [deg]
dec_nom	-69.265983249989	Nominal Dec [deg]
roll_nom	153.153503438	Nominal Roll [deg]
revision	4	Processing version of data
ontime	26185.600390166	Sum of GTIs [s]
livetime	23748.957364562	Livetime [s]
ontime7	26185.600390166	Sum of GTIs [s]
l2events	32985	Number of level 2 events



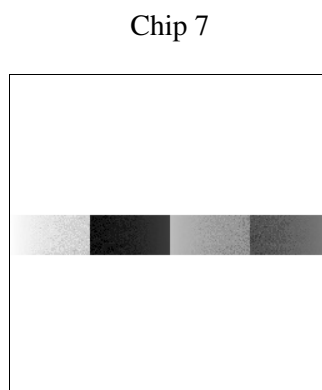
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	26185.600390166	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	26185.600390166	Sum of GTIs [s]
date	2020-10-09T08:51:22	Date and time of file creation	l1events	54198	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

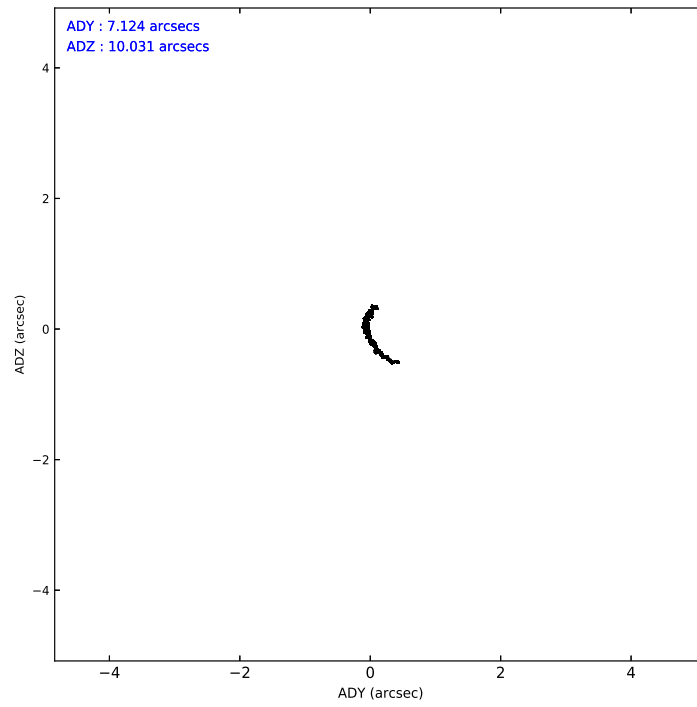
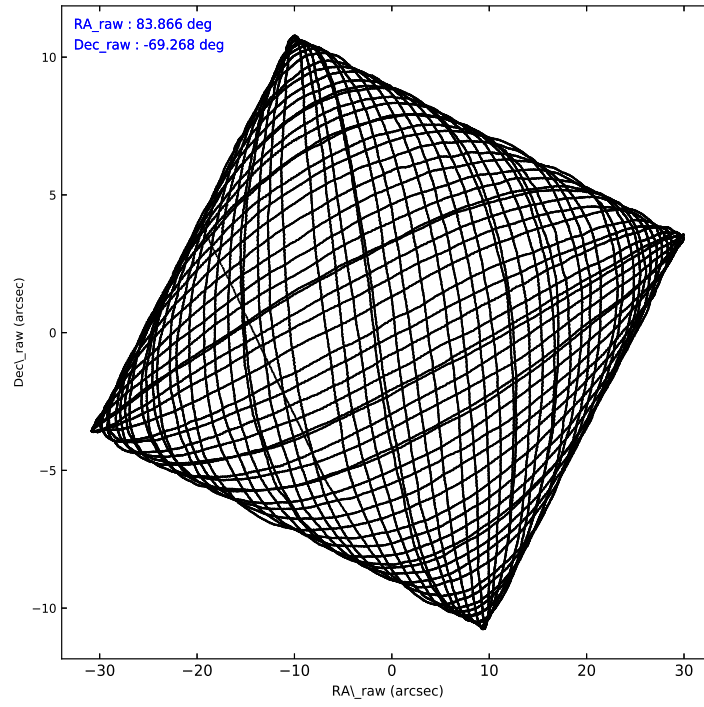
	ccd 7
level 1 events	54198
rejected events	20548
rejected %	37%

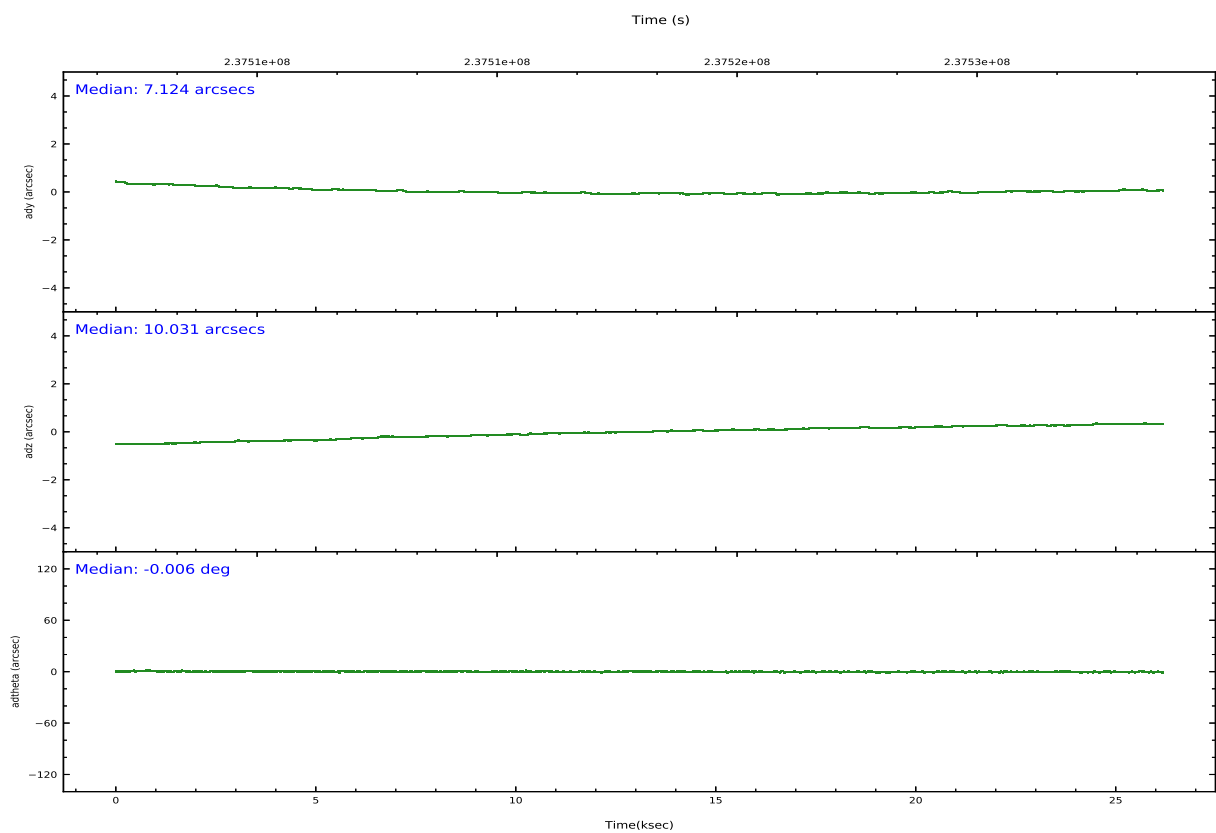
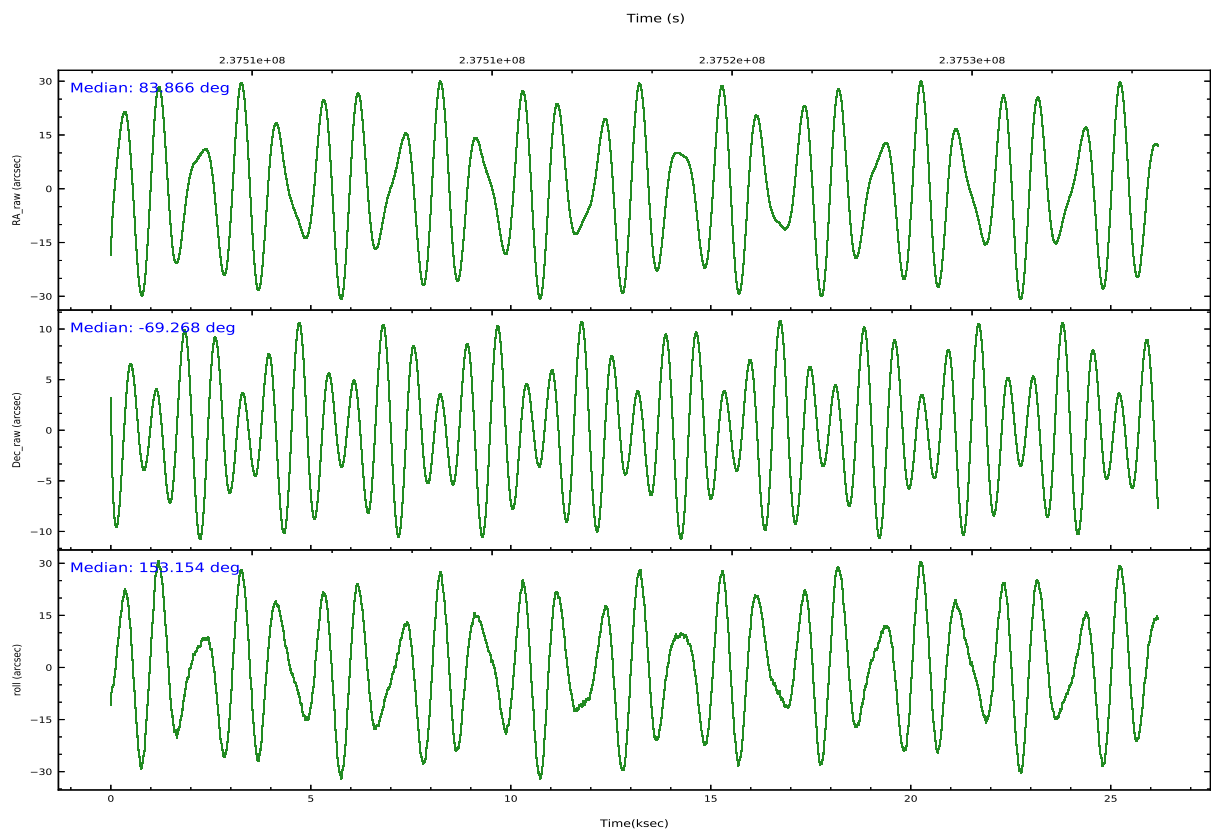
	ccd 7
grade 0 events	6927
	12%
grade 1 events	137
	0%
grade 2 events	7937
	14%
grade 3 events	4230
	7%
grade 4 events	4157
	7%
grade 5 events	3671
	6%
grade 6 events	10840
	20%
grade 7 events	16299
	30%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	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	83.942415	83.87473193565199	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-69.265824	-69.26598324998901	Subarray start row	449	449
[deg] Pointing Roll	153.070847	153.153503438	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	237504652.184000	237503683.85248			
Observation start date	2005-07-11T21:29:48	2005-07-11T21:14:43			
[s] Observation end time (MET)	237530652.184000	237531398.82875			
Observation end date	2005-07-12T04:43:08	2005-07-12T04:56:38			
Read mode	TIMED	TIMED			

2.3 Aspect



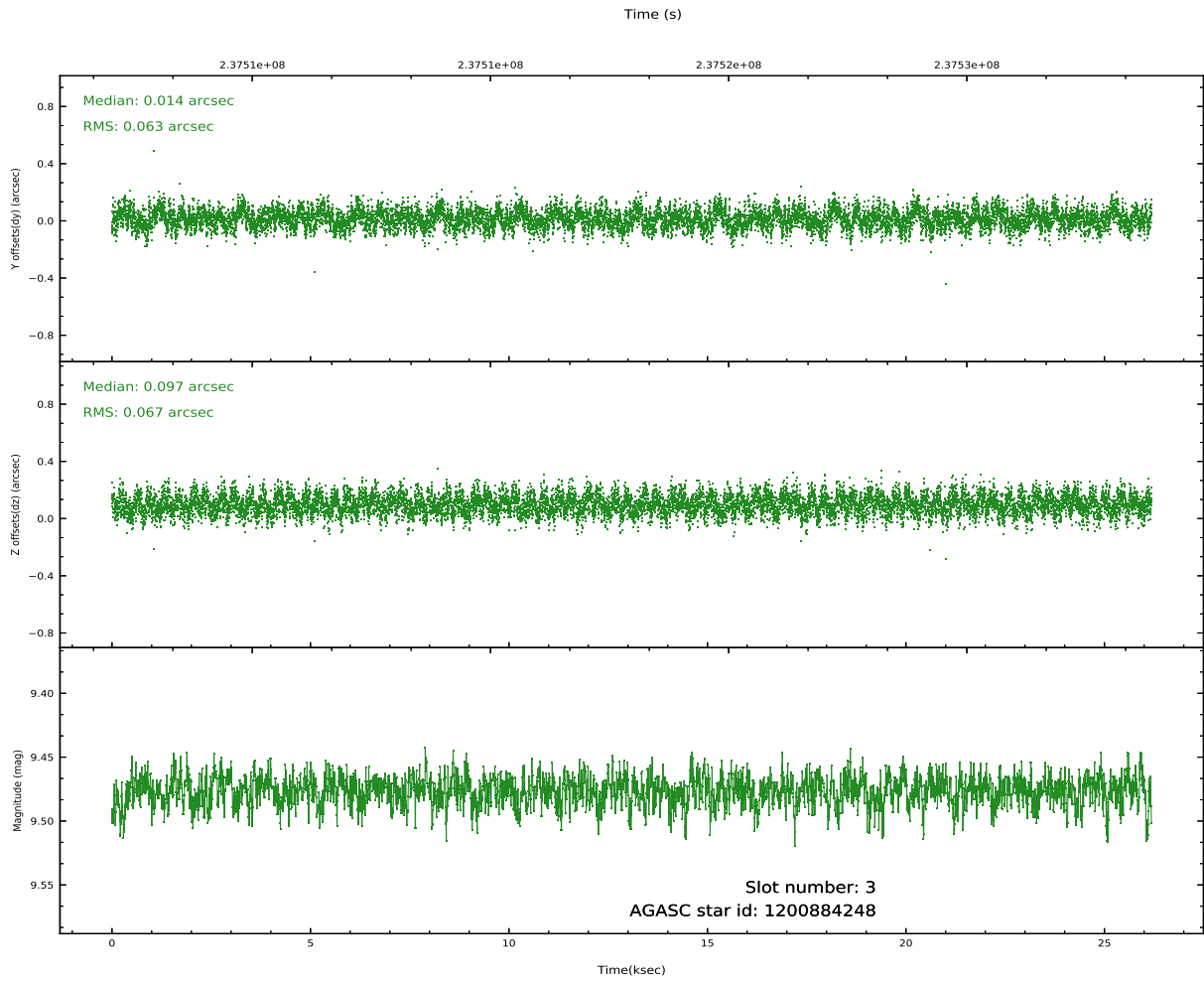
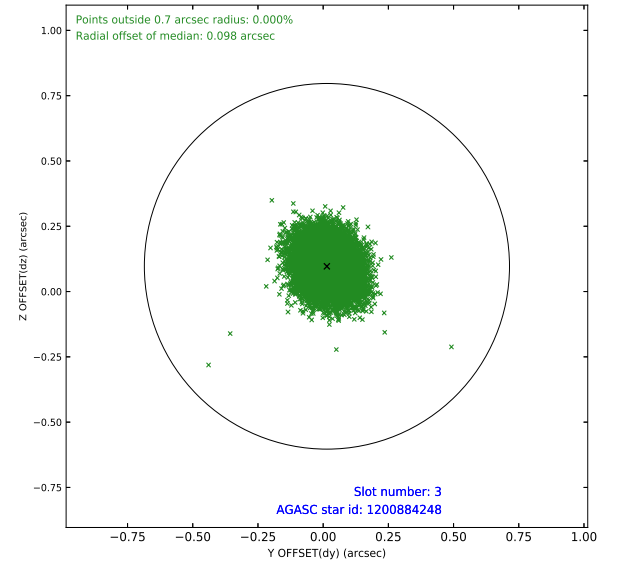
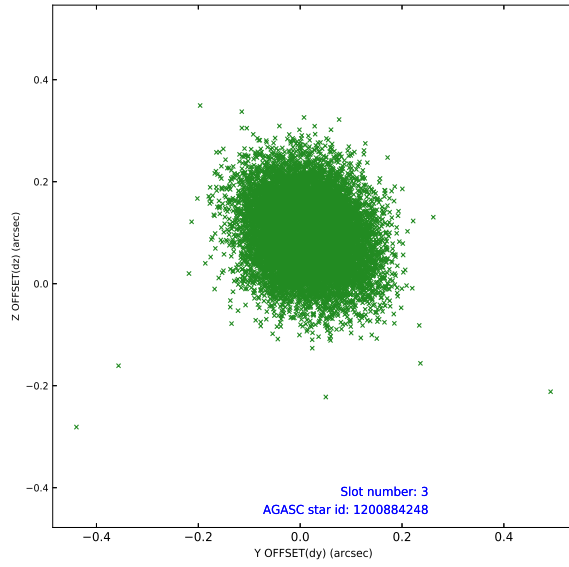


Slot Statistics

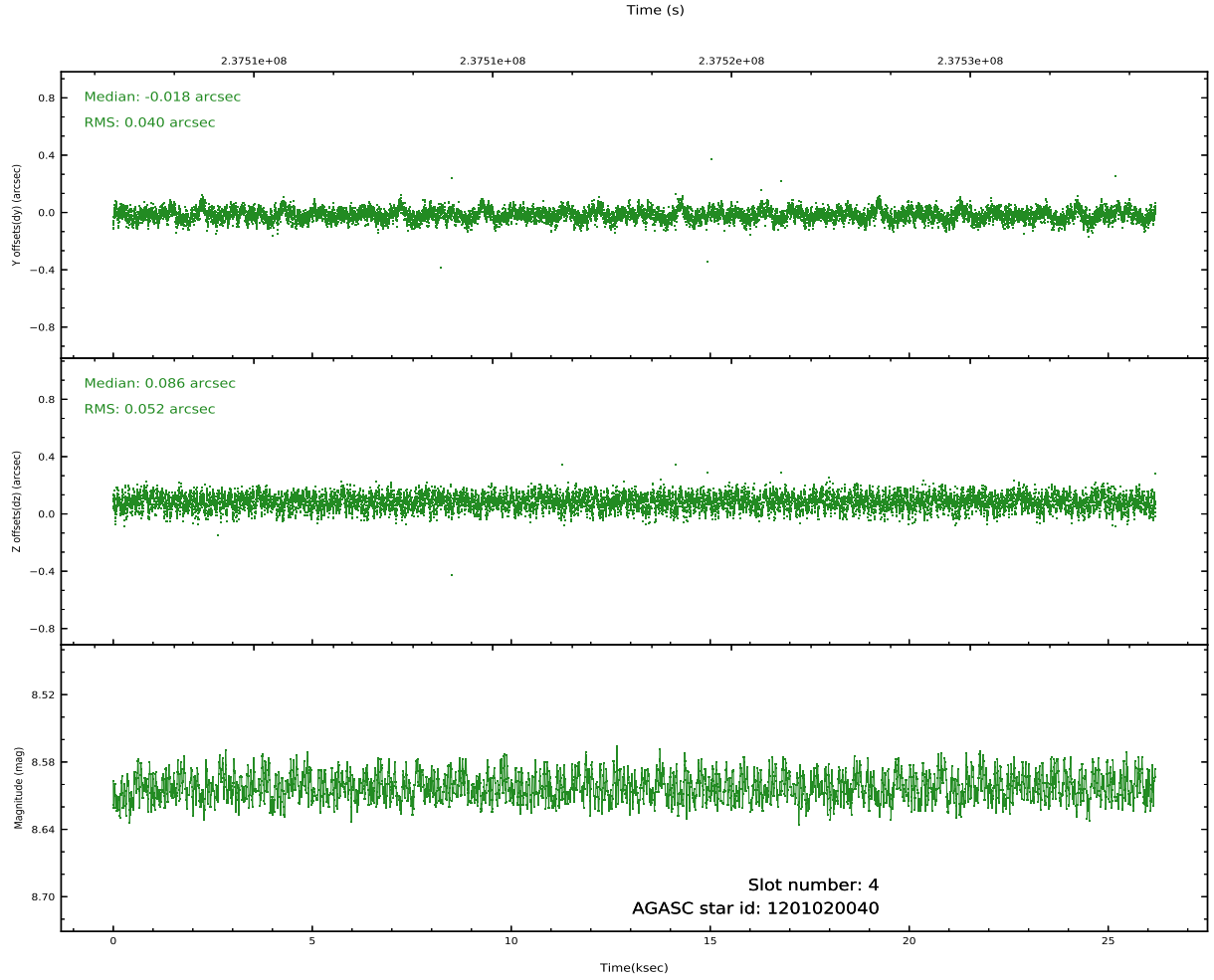
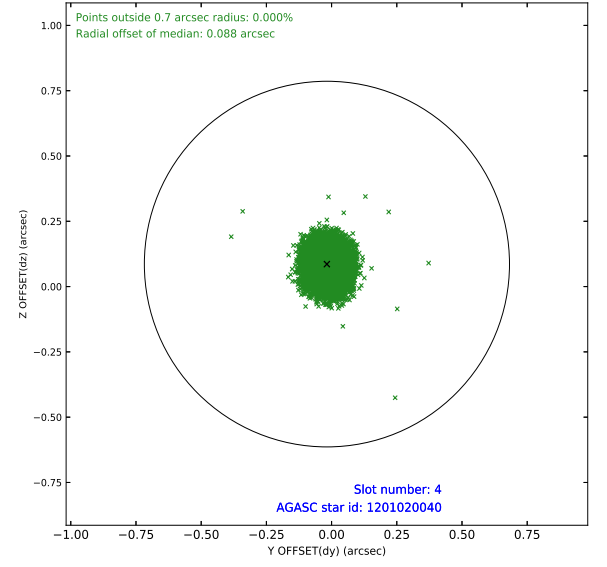
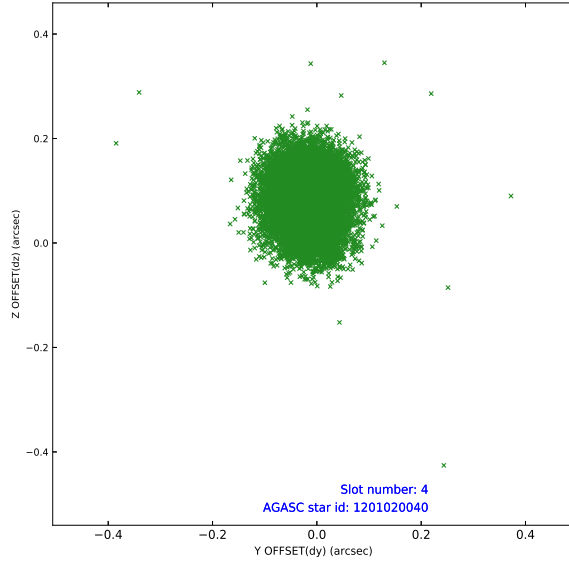
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	6387	1.000	0.003	-0.060	0.016	0.024	0.000000	0.000000	936.16	-1726
1	FID		ACIS-S-4	7.21	6387	1.000	0.116	0.045	0.013	0.020	0.000000	0.000000	2153.69	177
2	FID		ACIS-S-5	7.23	6388	1.000	-0.146	0.029	0.009	0.017	0.000000	0.000000	-1812.77	170
3	GUIDE	used	1200884248	9.48	12762	1.000	0.014	0.097	0.099	0.157	83.880915	-68.565170	1214.98	-2211
4	GUIDE	used	1201020040	8.60	12770	1.000	-0.018	0.086	0.070	0.112	85.379163	-68.879396	-1040.81	-2064
5	GUIDE	used	1201542672	8.19	12774	1.000	0.028	-0.118	0.071	0.117	84.492488	-69.957531	-1734.28	1914
6	GUIDE	used	1201019672	6.83	12775	1.000	-0.092	-0.009	0.041	0.065	85.312192	-68.770187	-792.54	-2381
7	GUIDE	used	1201540776	9.59	12750	1.000	0.068	-0.053	0.102	0.168	85.107945	-69.858480	-2260.62	1260

2.4 Star Slots

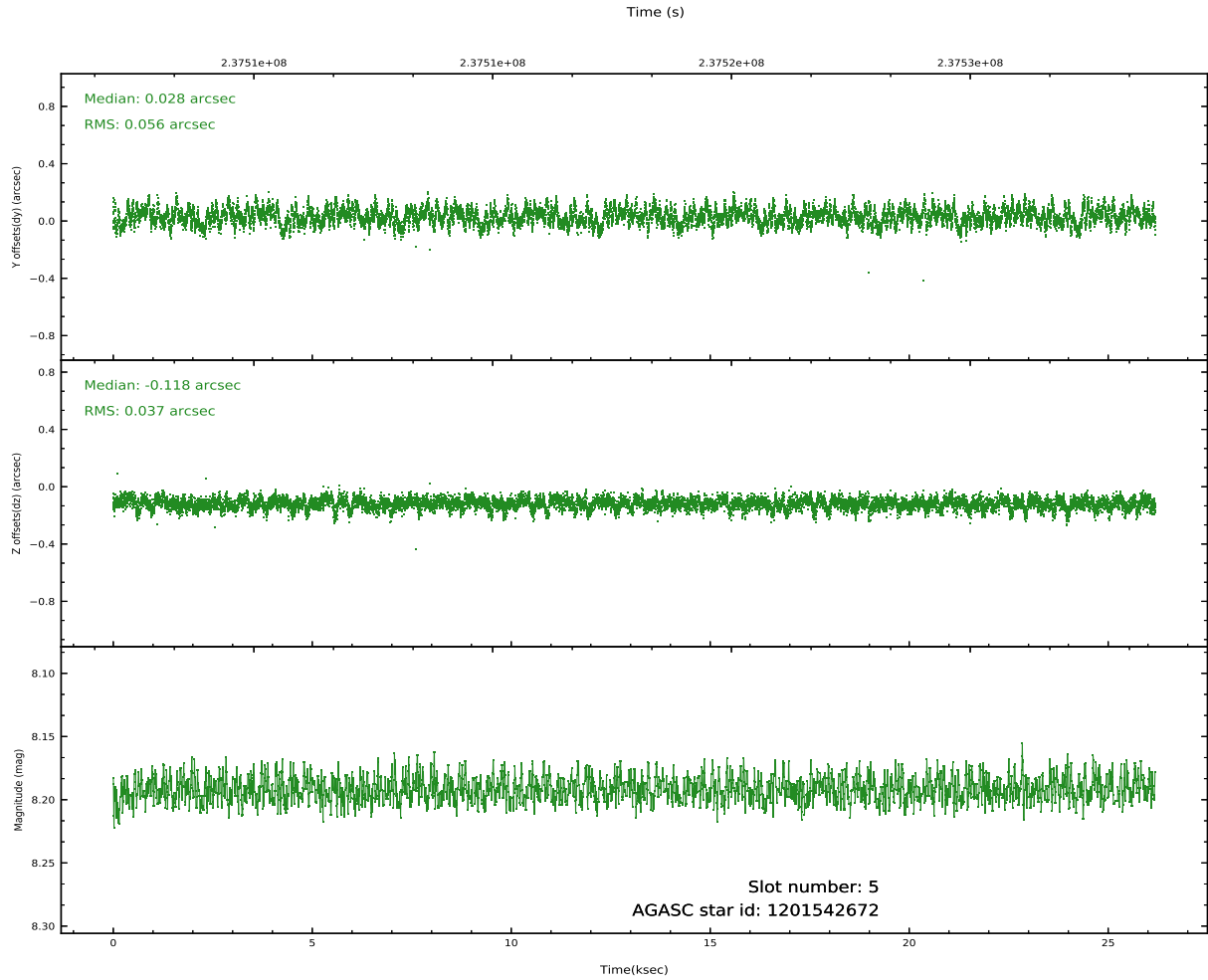
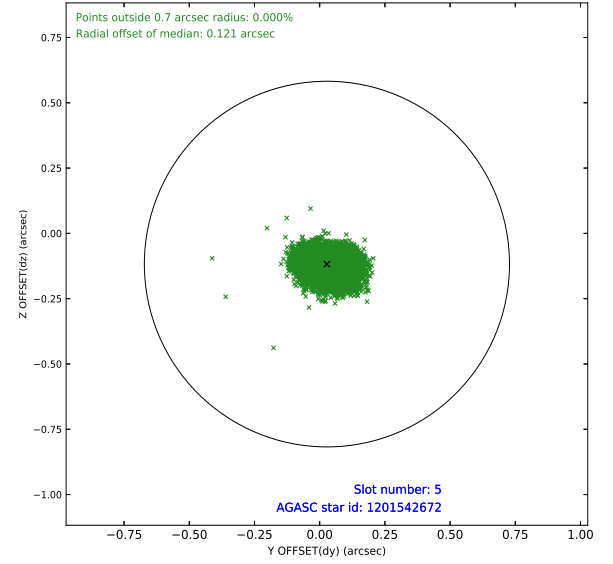
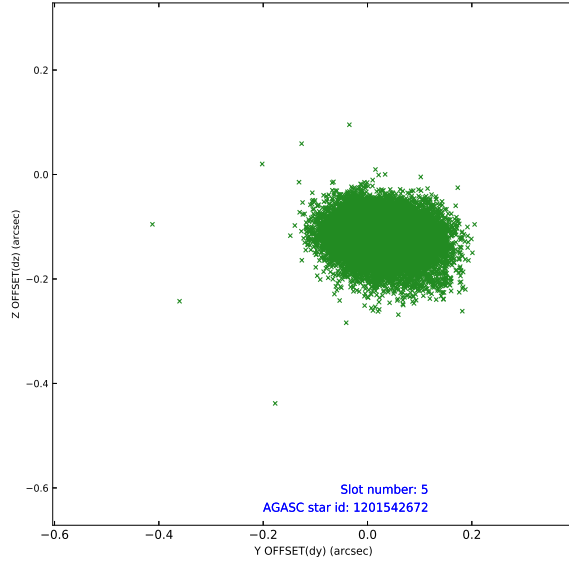
2.4.1 Slot 3



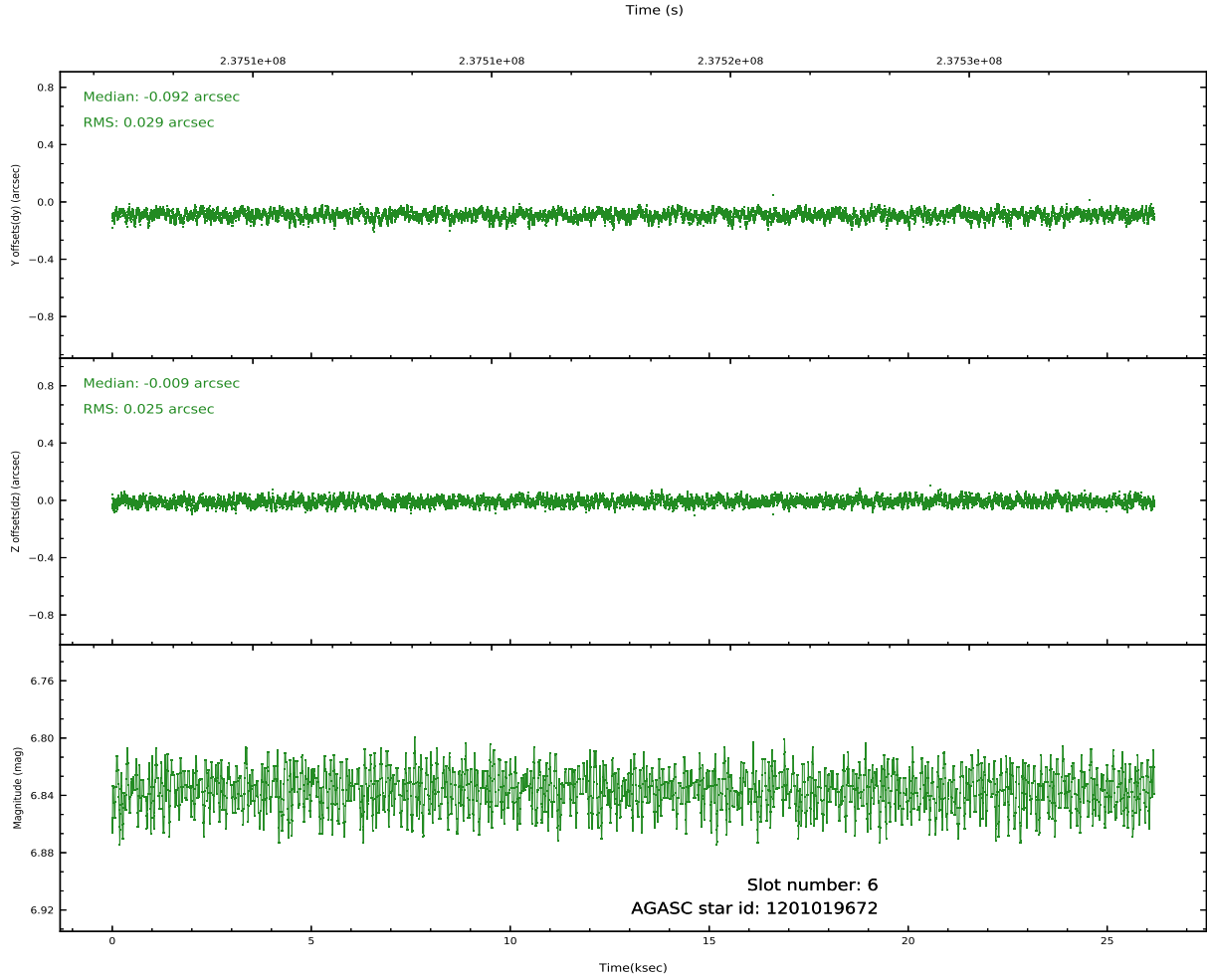
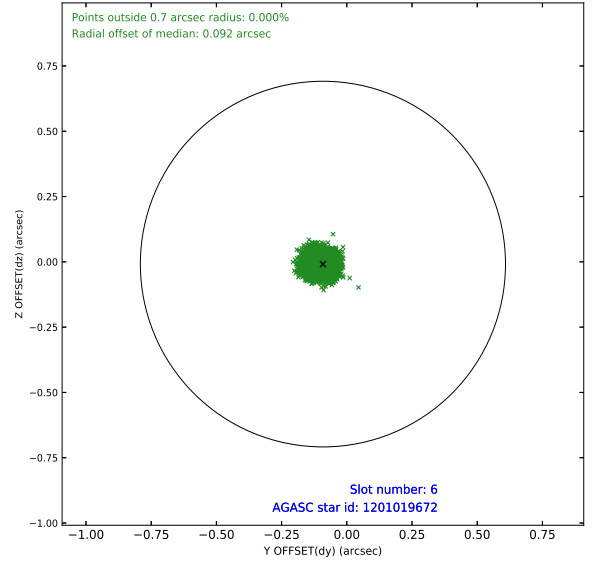
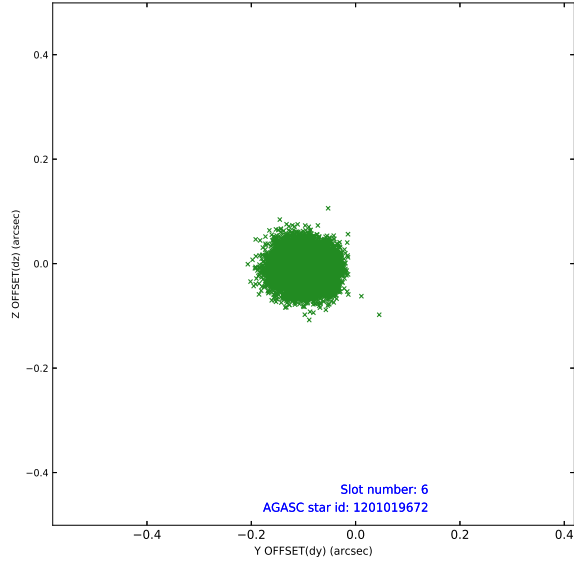
2.4.2 Slot 4



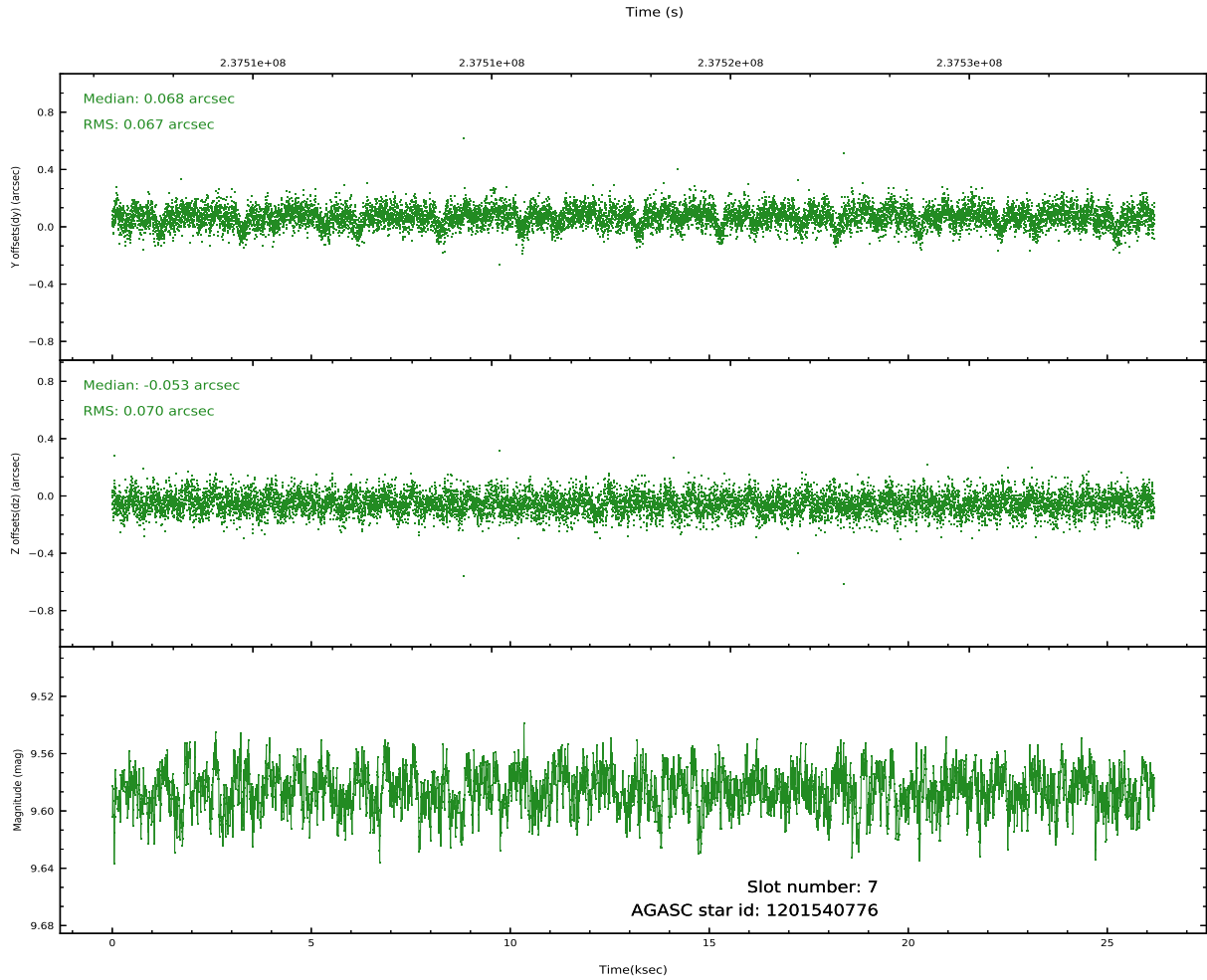
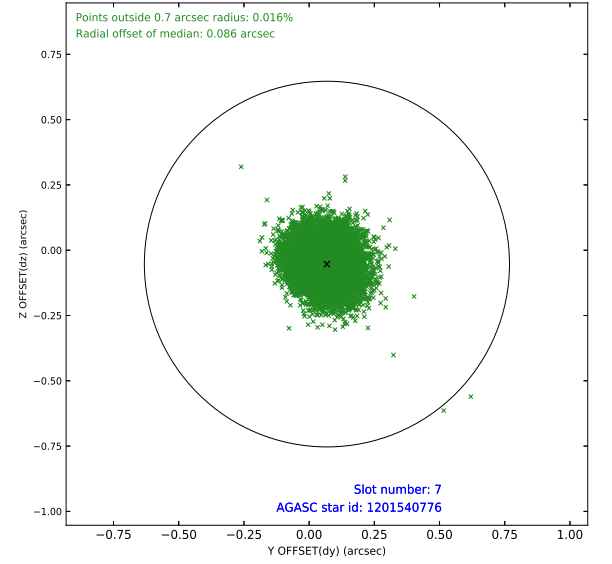
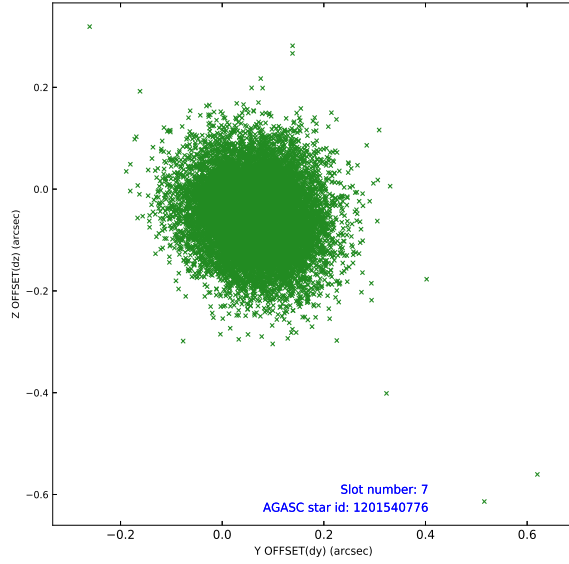
2.4.3 Slot 5



2.4.4 Slot 6

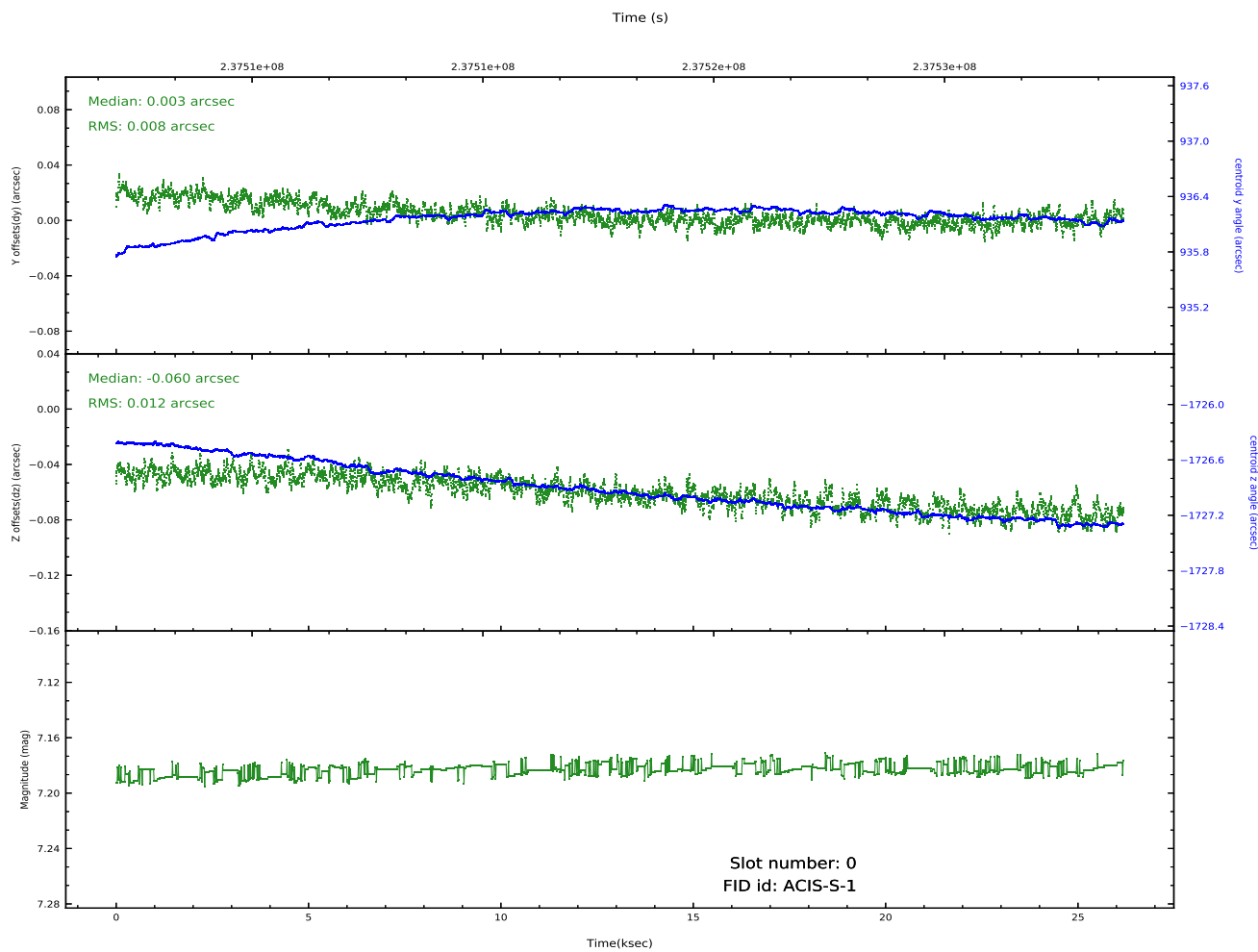
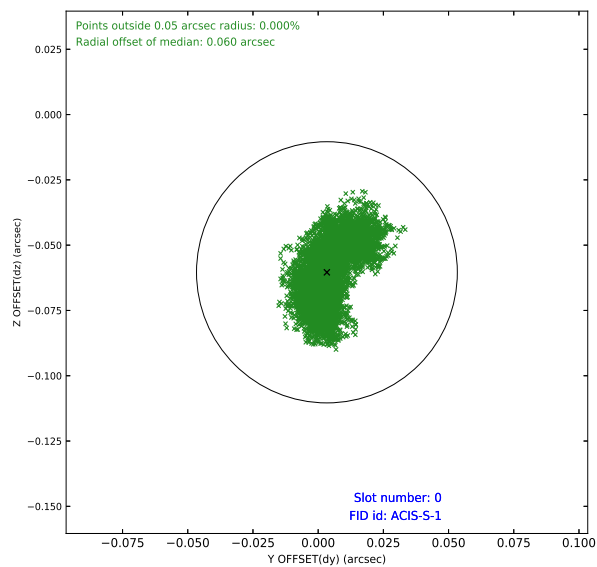
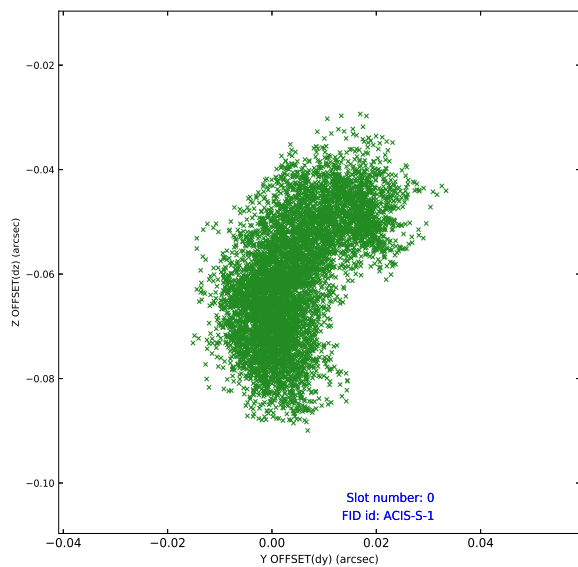


2.4.5 Slot 7

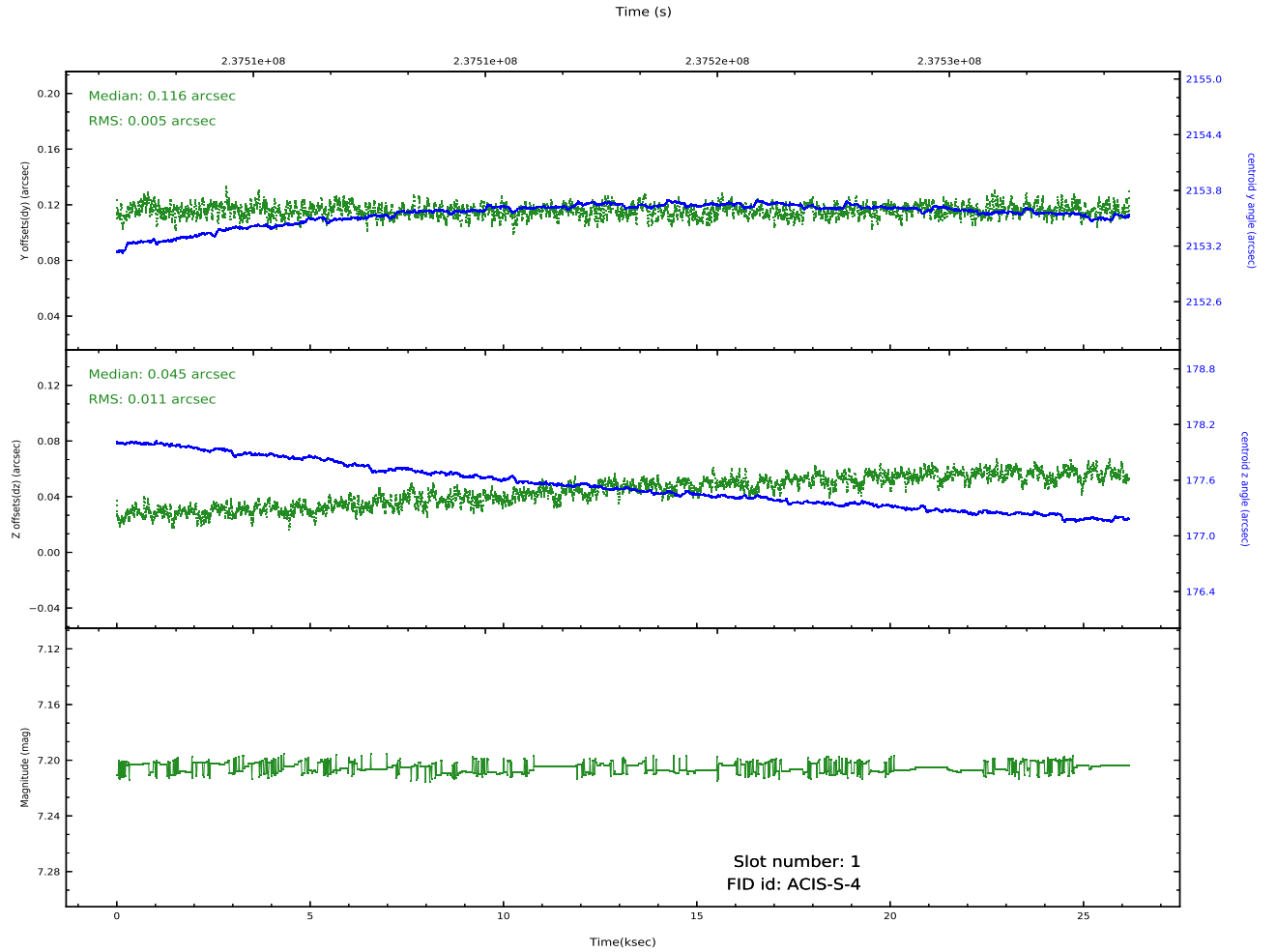
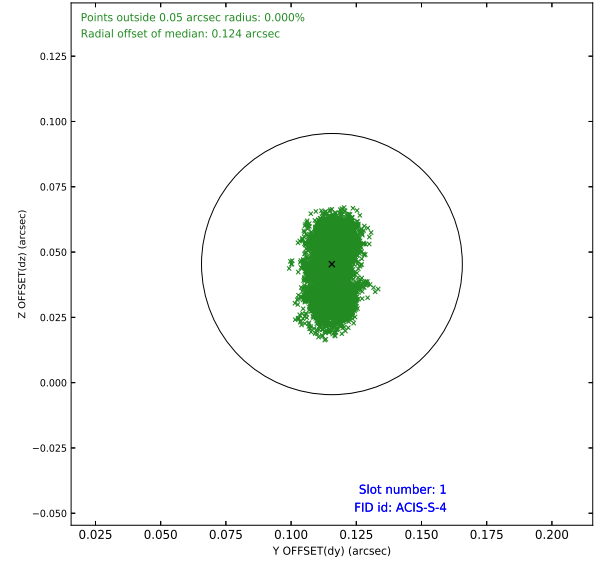
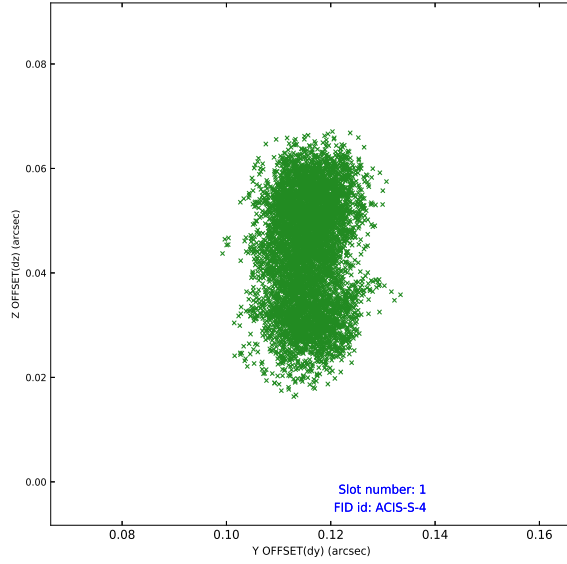


2.5 FID Slots

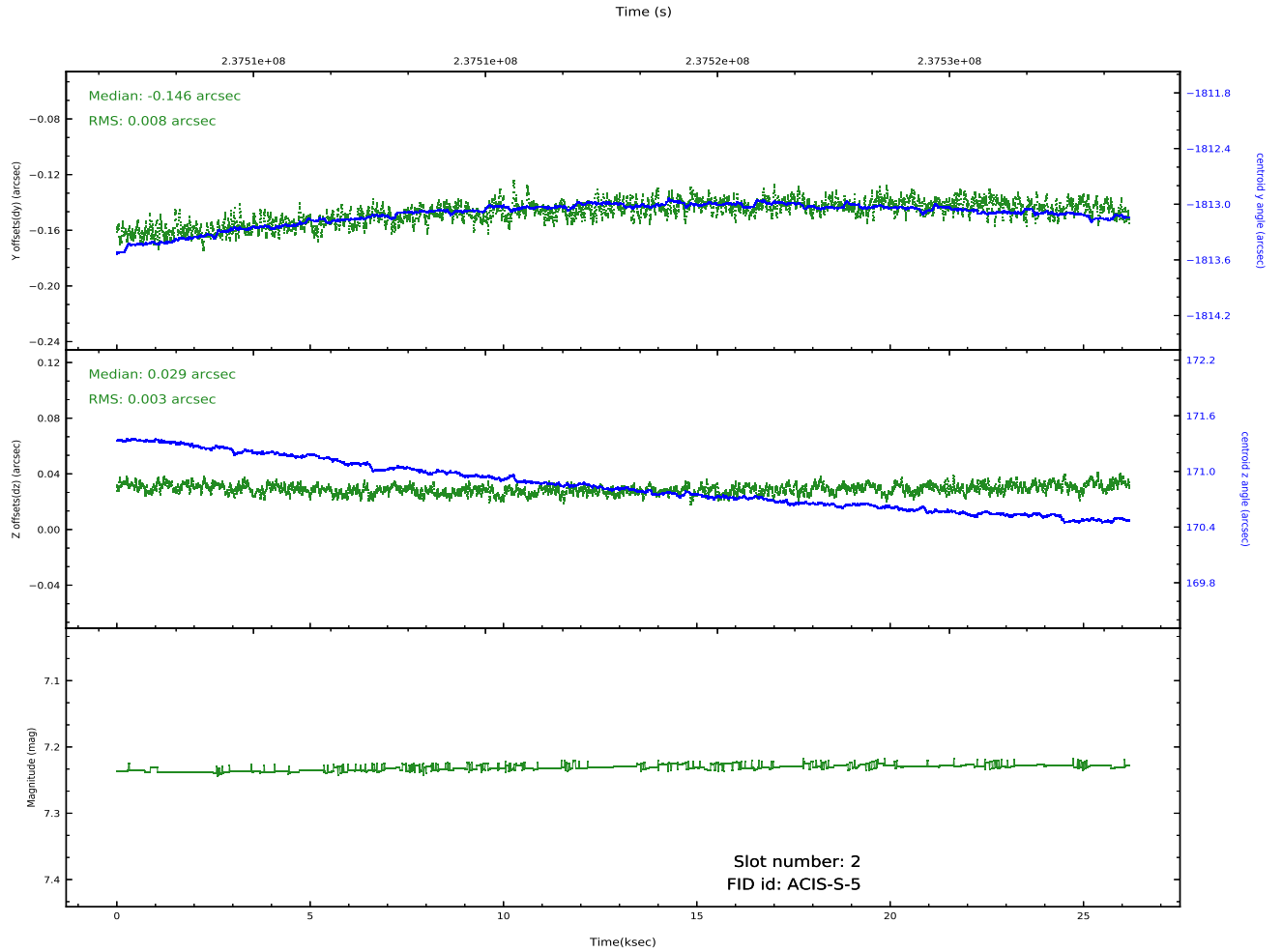
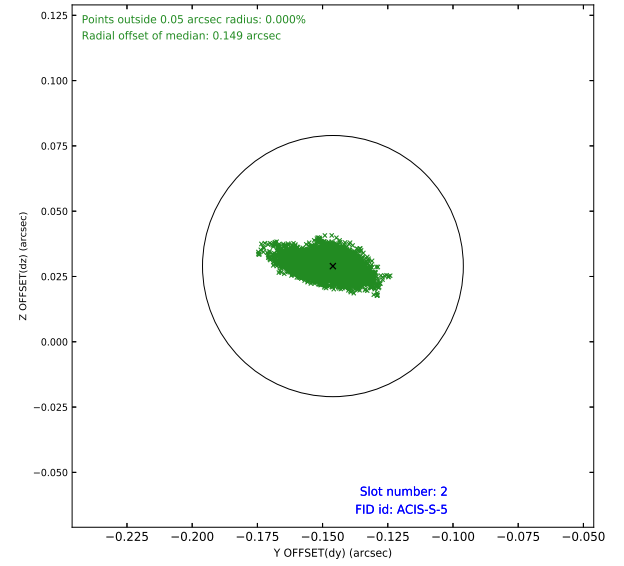
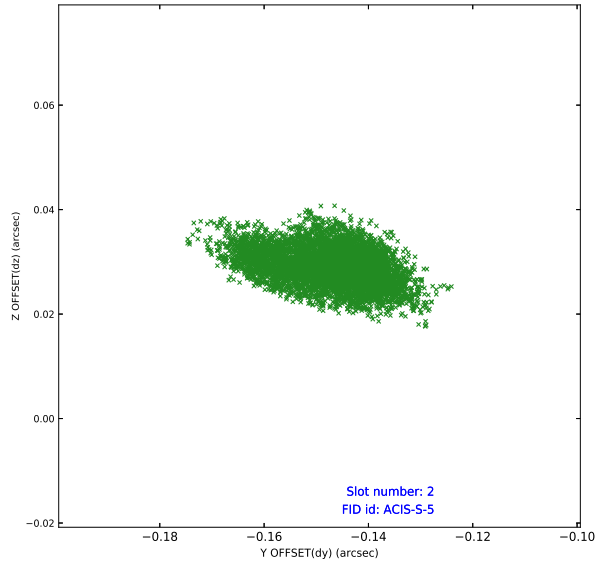
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.1856

A.2 Comments