

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5298 - L2 Version 4
Chandra X-Ray Center

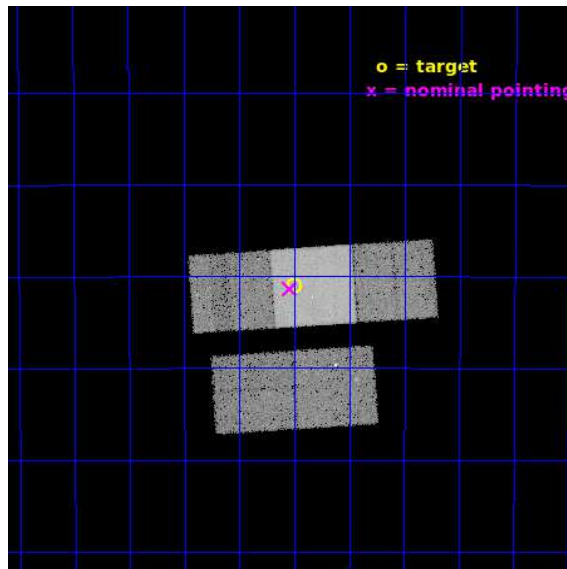
L2 Processing Date : Sep 23 2020

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1 Front

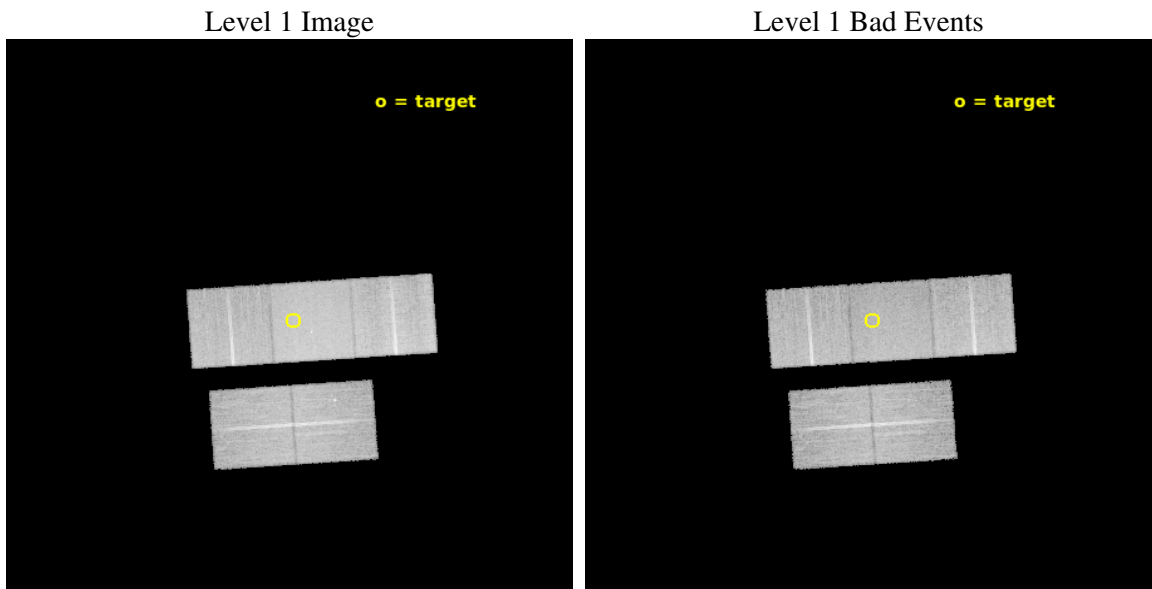
seq_num	500503	Sequence number
obs_id	5298	Observation id
title	GRB 031203: A Possible Analogue to GRB980425/SN1998bw	Proposal tit
observer	Professor Shri Kulkarni	Principal investigator
object	GRB031203	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.625833	Observer's specified target RA [deg]
dec_targ	-39.851083	Observer's specified target Dec [deg]
ra_nom	120.63493319774	Nominal RA [deg]
dec_nom	-39.856072127464	Nominal Dec [deg]
roll_nom	356.03692007243	Nominal Roll [deg]
revision	4	Processing version of data
ontime	21848.799957961	Sum of GTIs [s]
livetime	21563.329301658	Livetime [s]
ontime2	21848.799957961	Sum of GTIs [s]
ontime3	21848.799957961	Sum of GTIs [s]
ontime6	21848.799957961	Sum of GTIs [s]
ontime7	21848.799957961	Sum of GTIs [s]
ontime8	21848.799957961	Sum of GTIs [s]
l2events	133101	Number of level 2 events



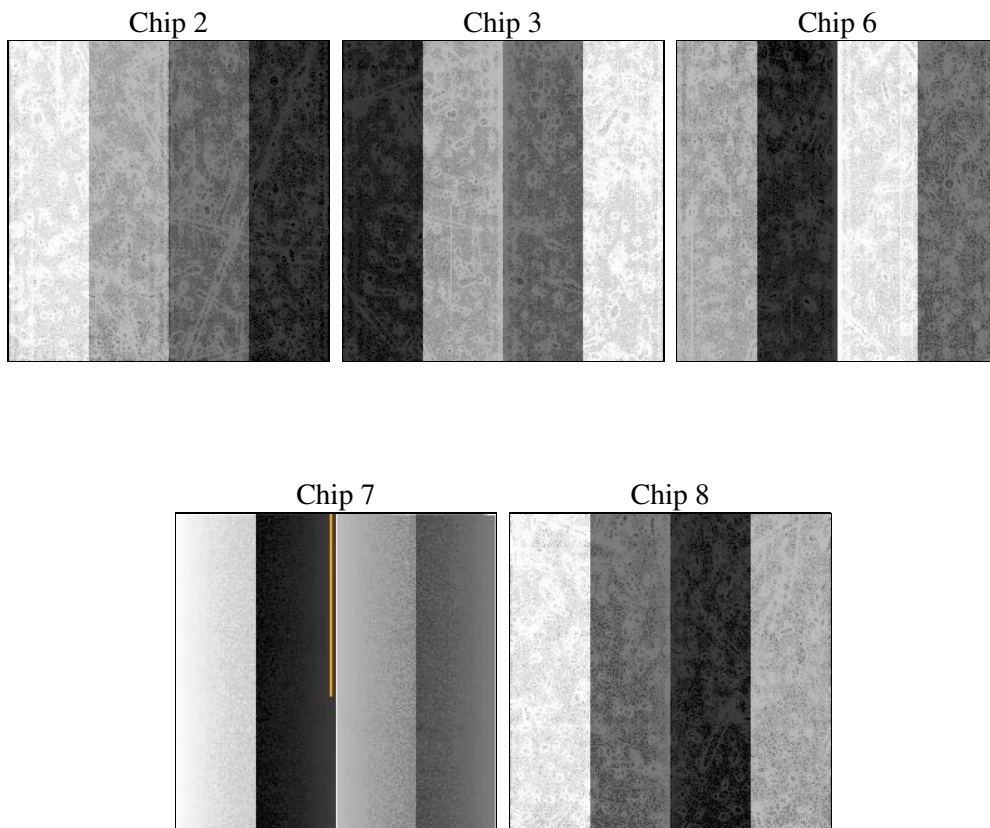
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	21799.774000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	21848.799957961	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	21848.799957961	Sum of GTIs [s]
date	2020-09-23T14:52:00	Date and time of file creation	ontime3	21848.799957961	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	21848.799957961	Sum of GTIs [s]
			ontime7	21848.799957961	Sum of GTIs [s]
			ontime8	21848.799957961	Sum of GTIs [s]
			l1events	741820	Number of level 1 events

2.1.4 Events

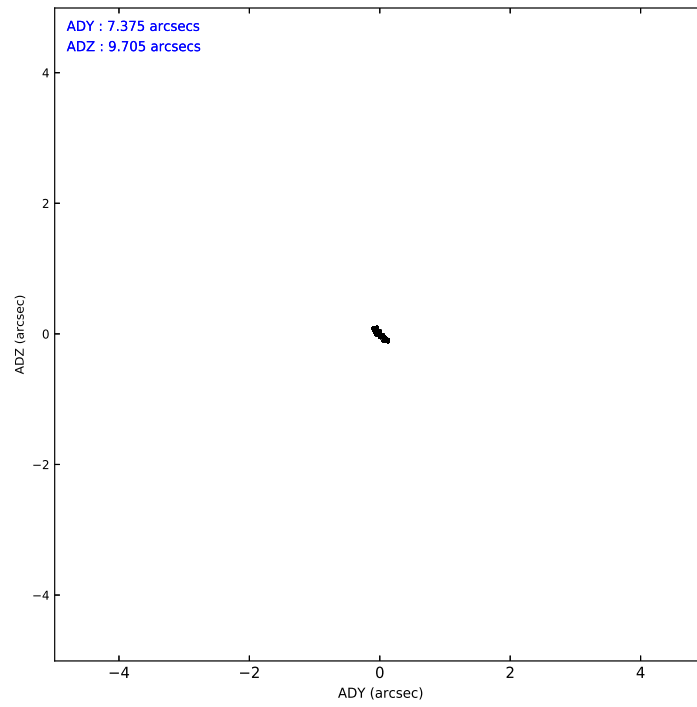
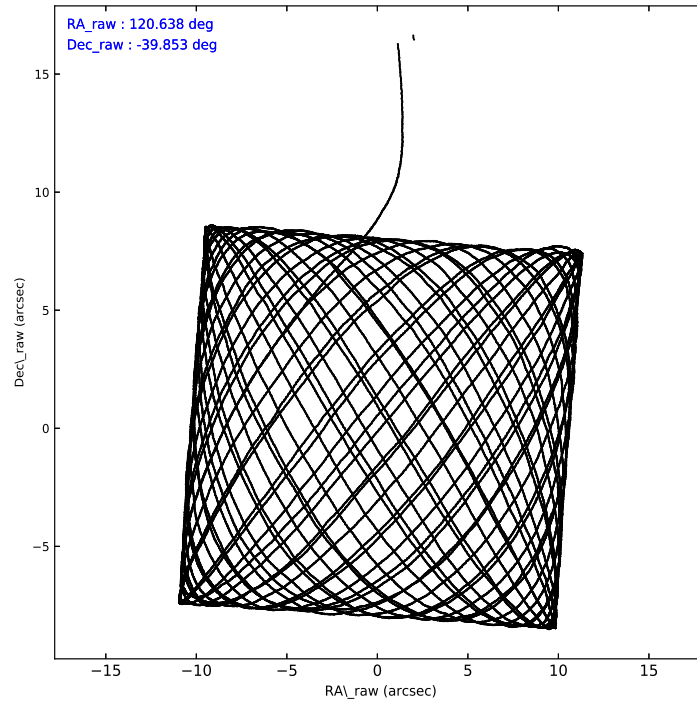
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	128252	128957	134014	177944	172653
rejected events	111222	111180	116384	106218	130447
rejected %	86%	86%	86%	59%	75%

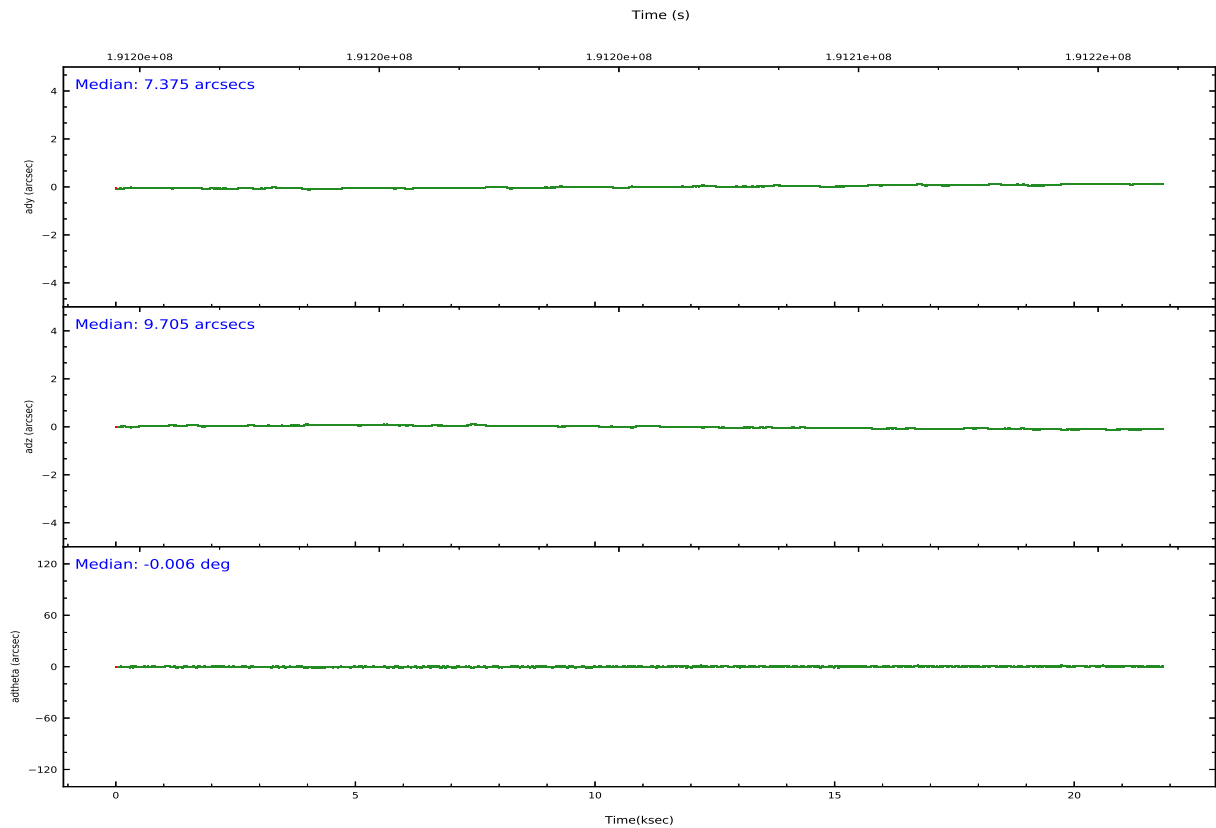
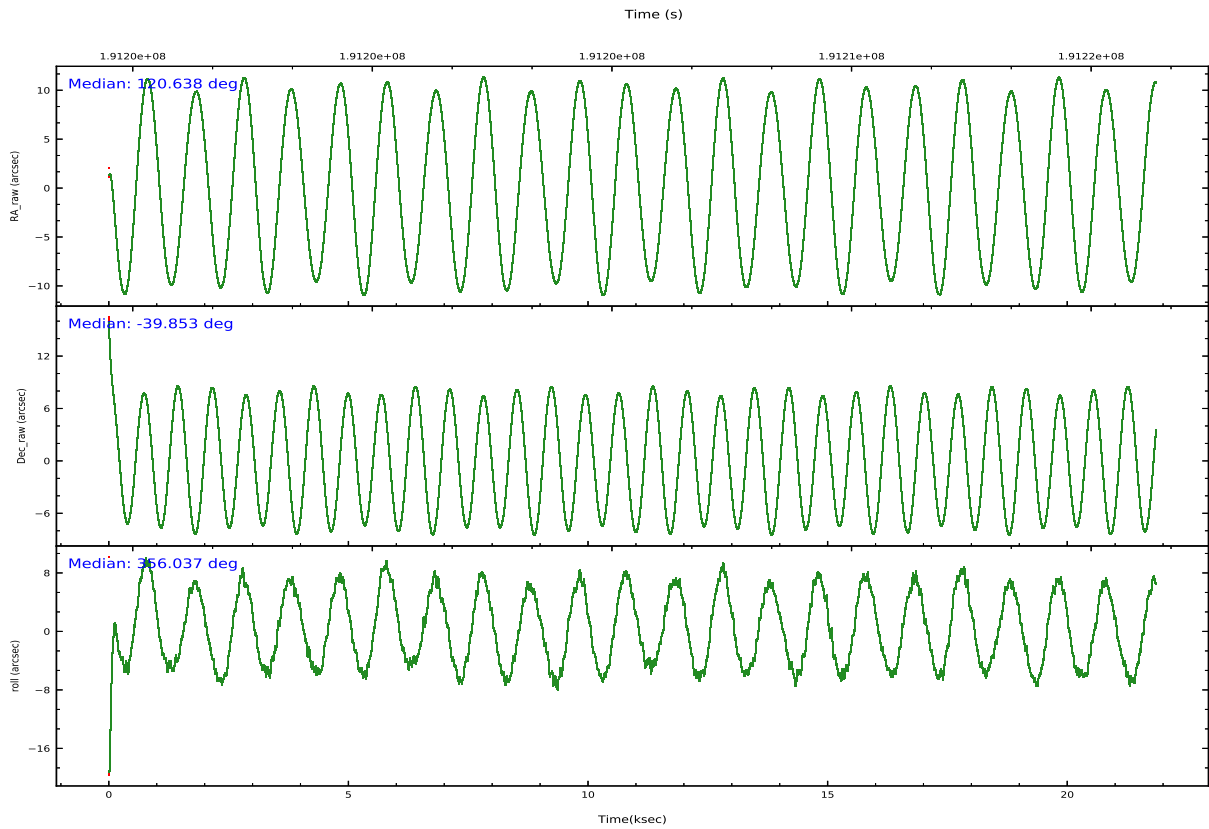
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	8643	8914	7841	7367	15467
	6%	6%	5%	4%	8%
grade 1 events	77	76	76	145	125
	0%	0%	0%	0%	0%
grade 2 events	3762	4016	4266	14466	8634
	2%	3%	3%	8%	5%
grade 3 events	1523	1650	1522	6519	5207
	1%	1%	1%	3%	3%
grade 4 events	1591	1613	1491	6548	4860
	1%	1%	1%	3%	2%
grade 5 events	4866	5774	5854	16812	7864
	3%	4%	4%	9%	4%
grade 6 events	3052	3141	3547	39115	9481
	2%	2%	2%	21%	5%
grade 7 events	104738	103773	109417	86972	121015
	81%	80%	81%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23678	ACIS-23678	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	120.606385	120.63493319774	Subarray requested	NONE	NONE
[deg] Pointing Dec	-39.865715	-39.856072127464	Alternating exposures requested	N	N
[deg] Pointing Roll	355.856331	356.03692007243	[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)	191194556.184000	191193456.08033			
Observation start date	2004-01-22T21:34:52	2004-01-22T21:17:36			
[s] Observation end time (MET)	191216356.184000	191216670.28134			
Observation end date	2004-01-23T03:38:12	2004-01-23T03:44:30			
Read mode	TIMED	TIMED			

2.3 Aspect





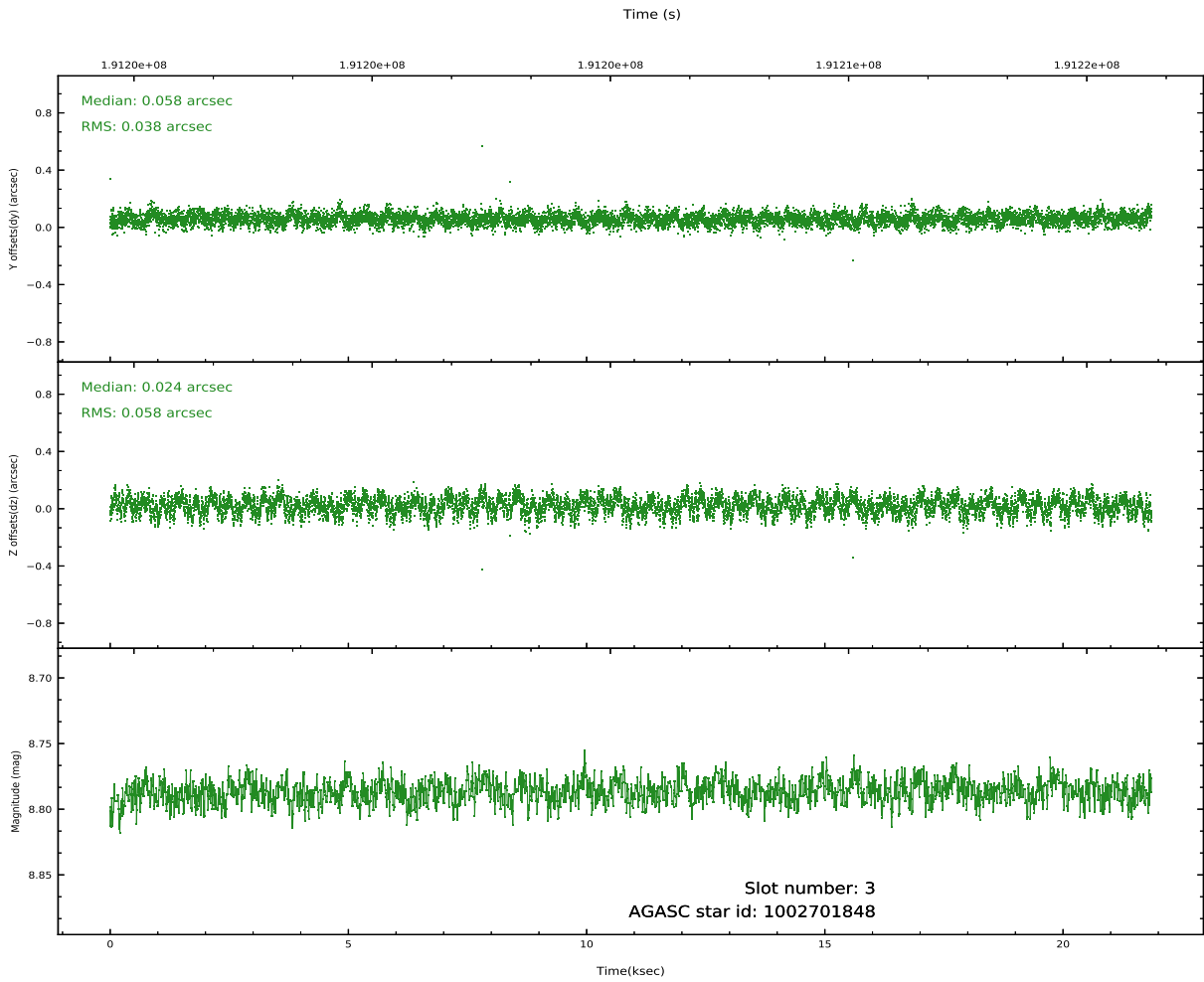
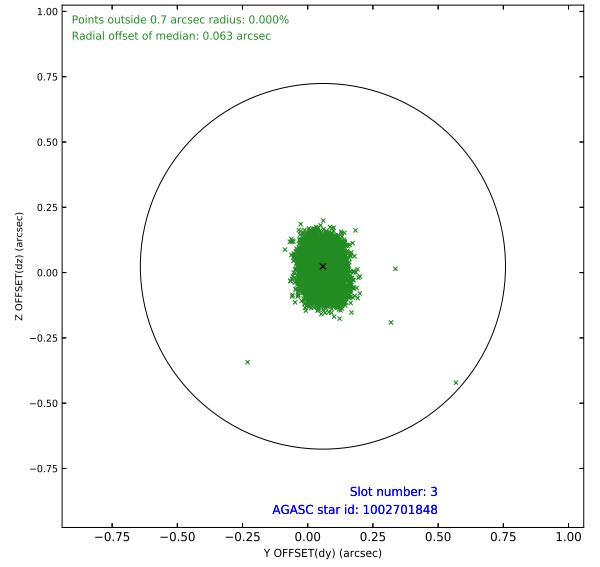
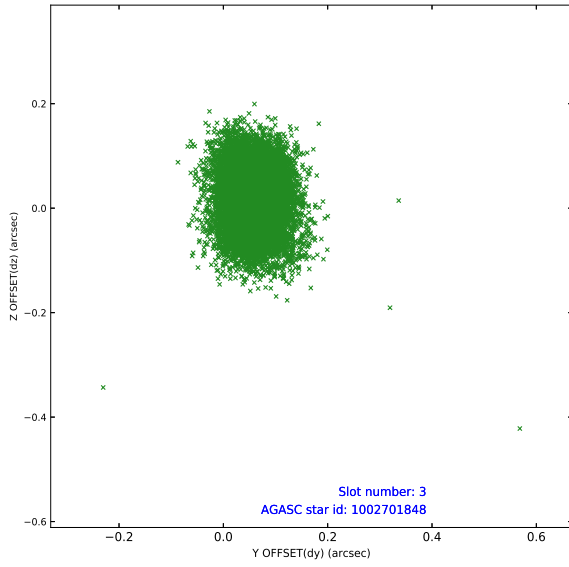
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-4	7.20	5331	1.000	0.110	0.001	0.006	0.011	0.000000	0.000000	2153.31	177
1	FID		ACIS-S-5	7.24	5331	1.000	-0.137	0.001	0.006	0.010	0.000000	0.000000	-1812.93	171
2	FID		ACIS-S-6	7.35	5330	1.000	-0.002	0.013	0.007	0.012	0.000000	0.000000	401.27	814
3	GUIDE	used	1002701848	8.79	10661	1.000	0.058	0.024	0.073	0.119	119.933509	-39.984018	-1819.48	-565
4	GUIDE	used	1004434824	9.46	10653	1.000	0.024	0.012	0.094	0.155	120.851618	-39.532377	592.69	1245
5	GUIDE	used	1002701128	8.55	10656	1.000	-0.032	-0.052	0.073	0.116	119.920741	-40.492086	-1708.36	-2391
6	GUIDE	used	1004413080	8.83	10657	1.000	0.010	0.040	0.080	0.126	120.242432	-40.499402	-828.45	-2349
7	GUIDE	used	1004435080	9.00	10655	1.000	-0.060	-0.027	0.069	0.111	121.357562	-39.510372	1989.31	1417

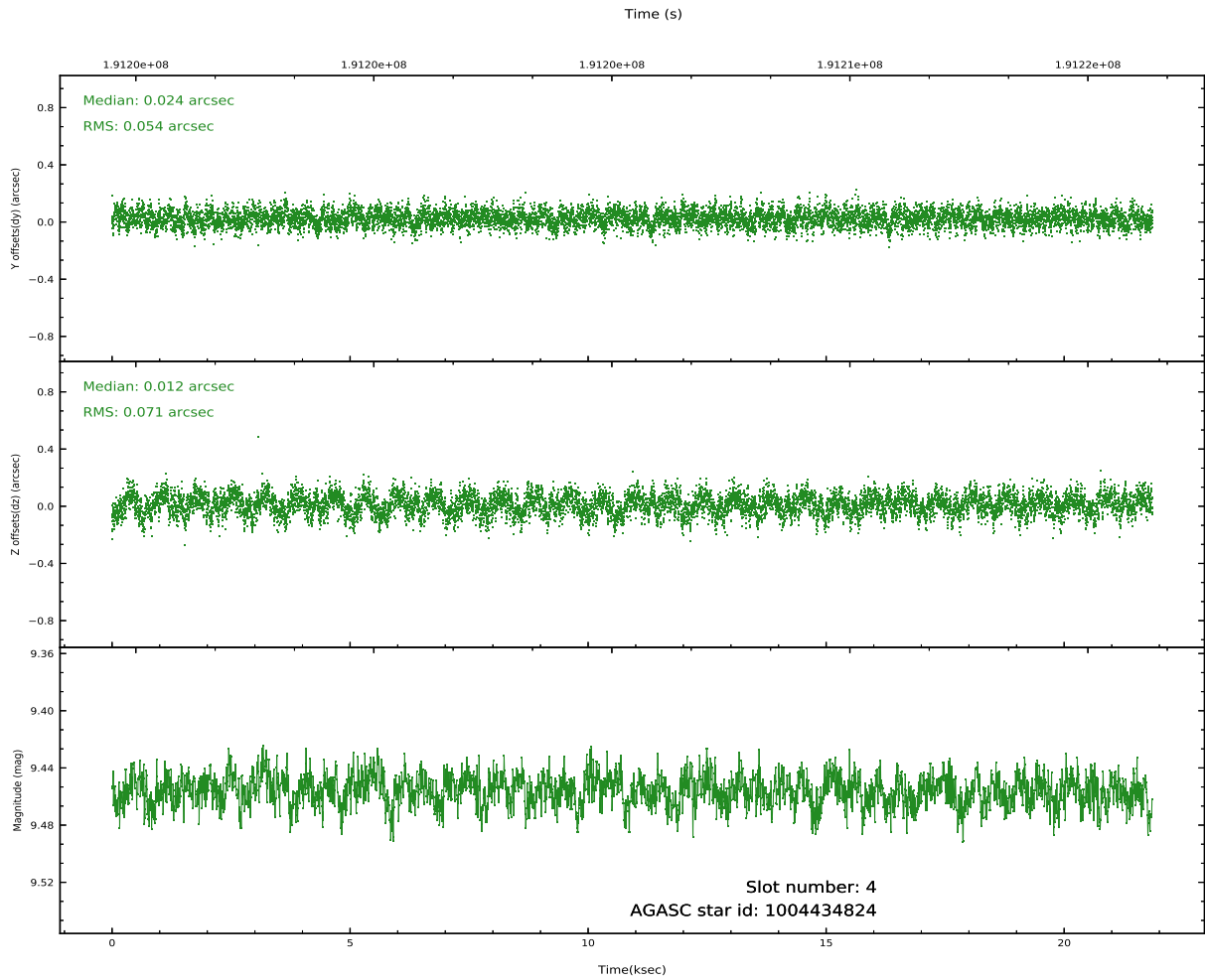
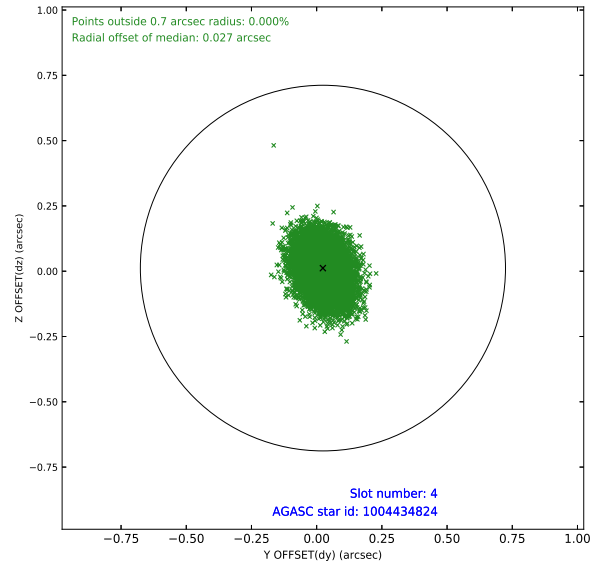
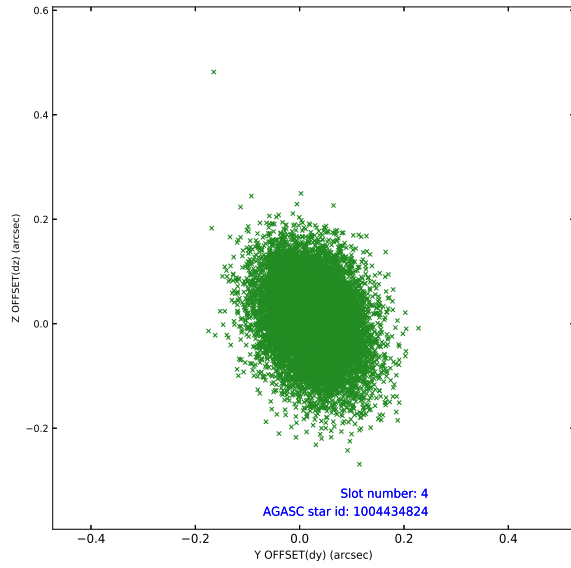
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2.4 Star Slots

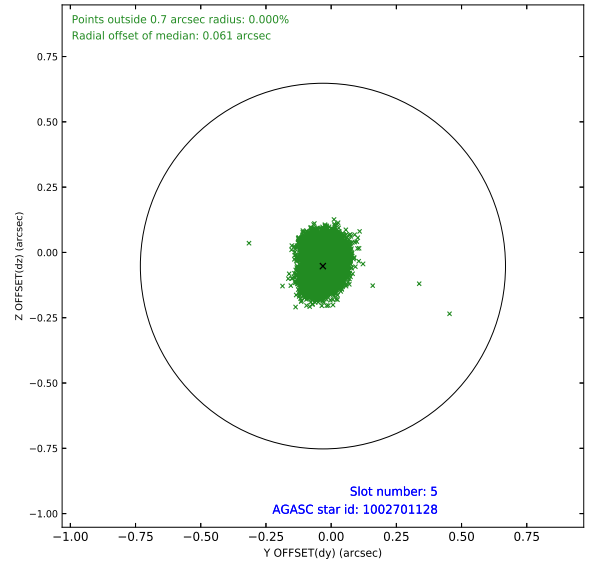
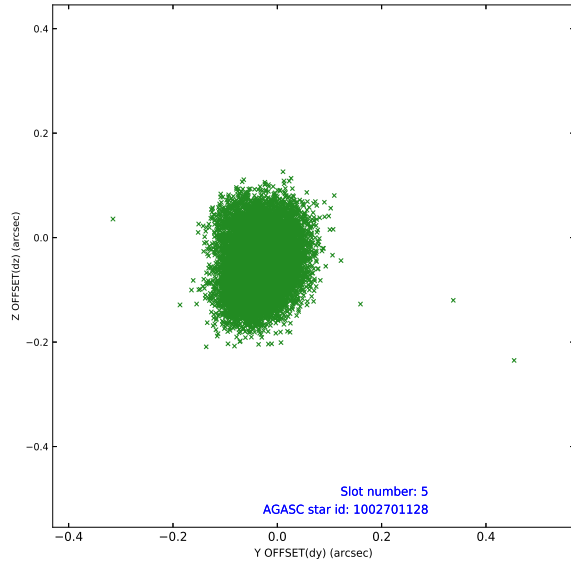
2.4.1 Slot 3



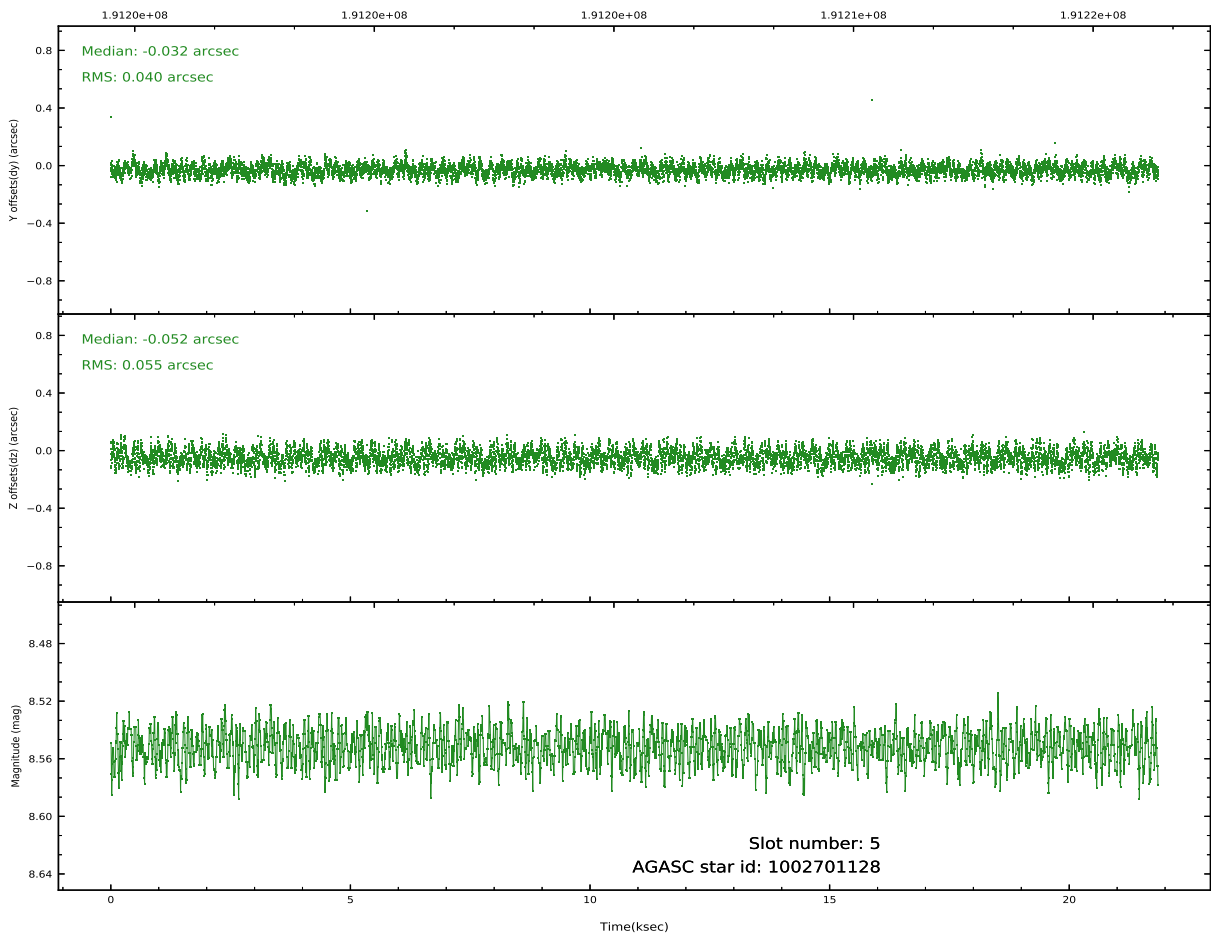
2.4.2 Slot 4



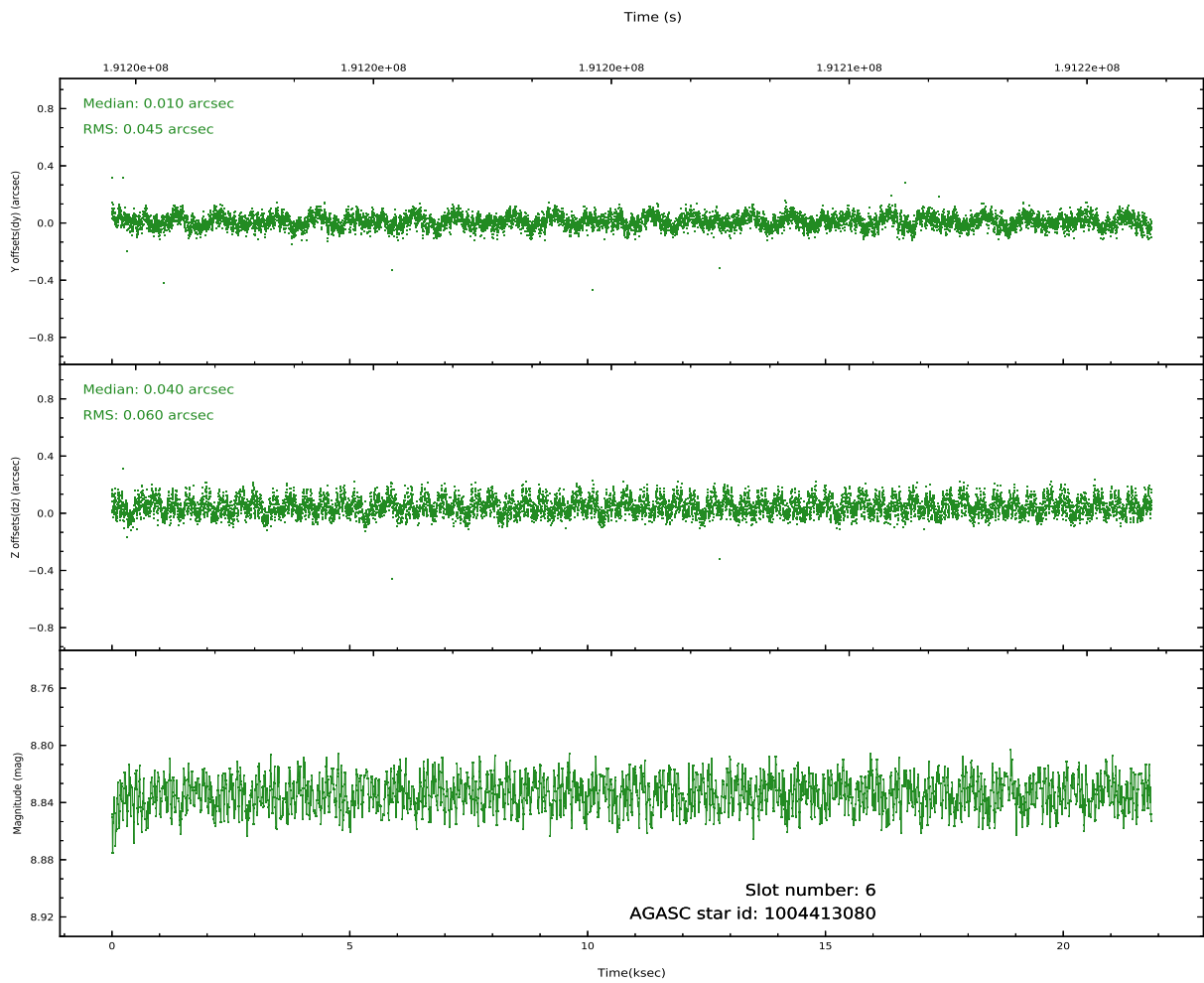
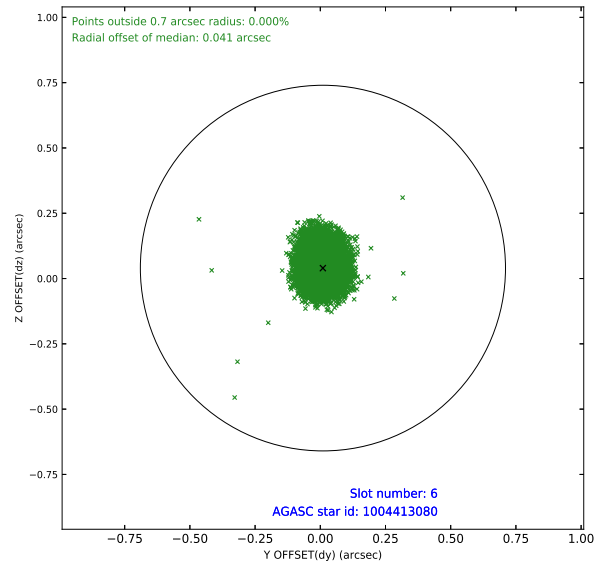
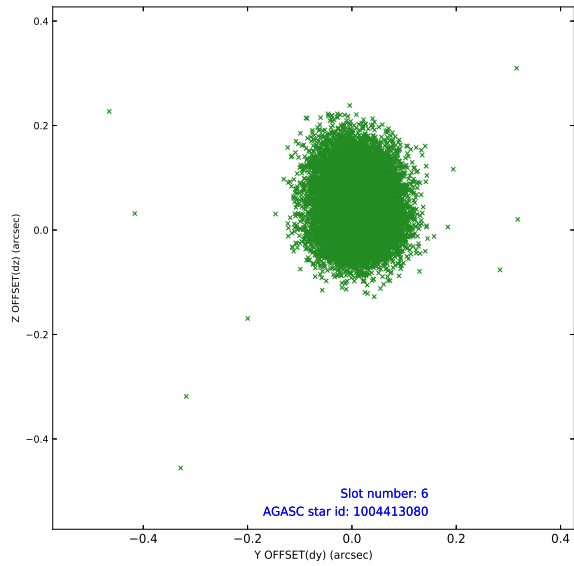
2.4.3 Slot 5



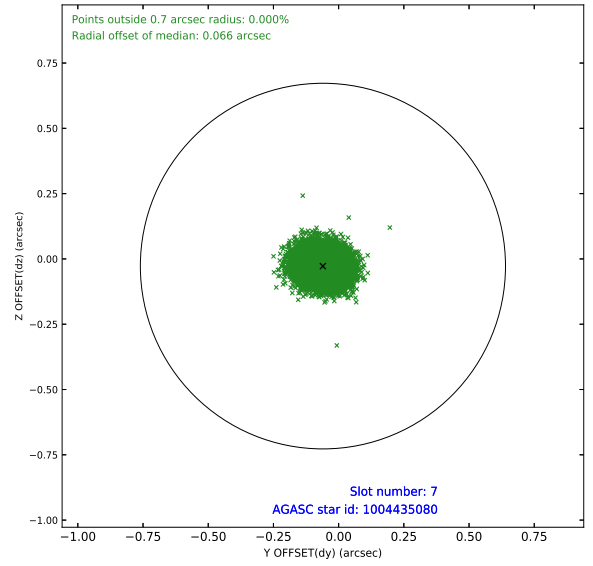
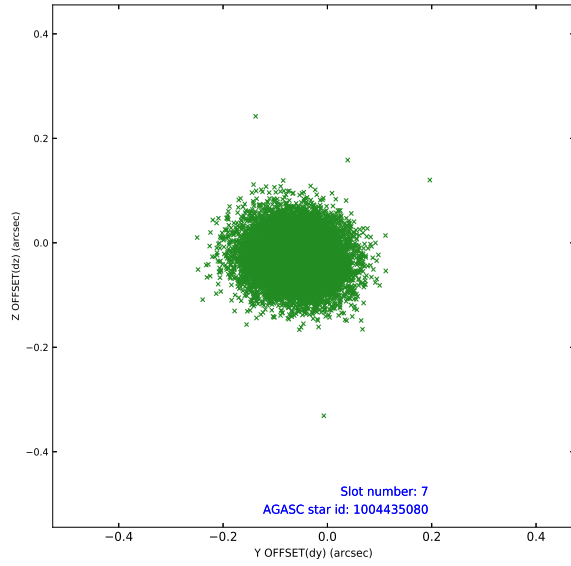
Time (s)



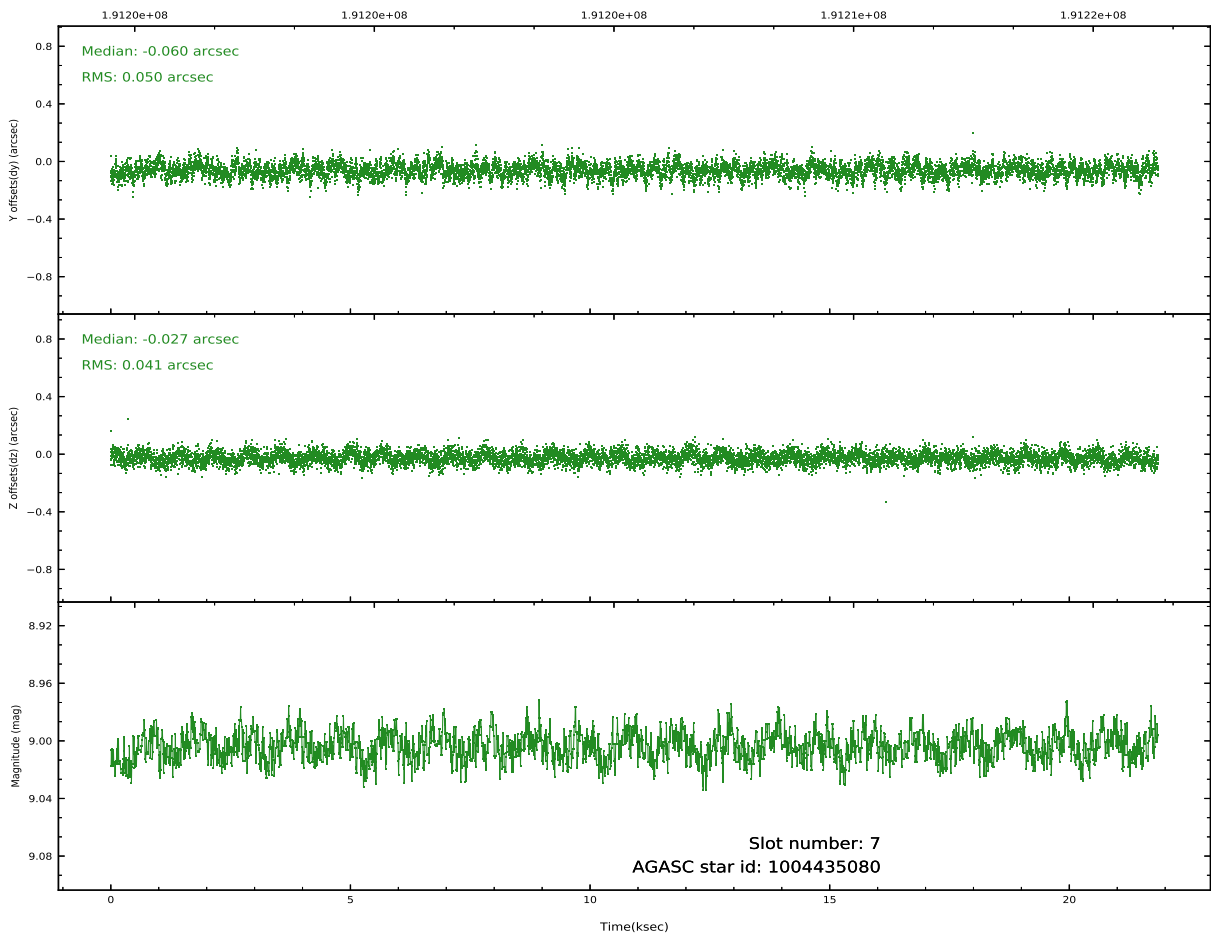
2.4.4 Slot 6



2.4.5 Slot 7

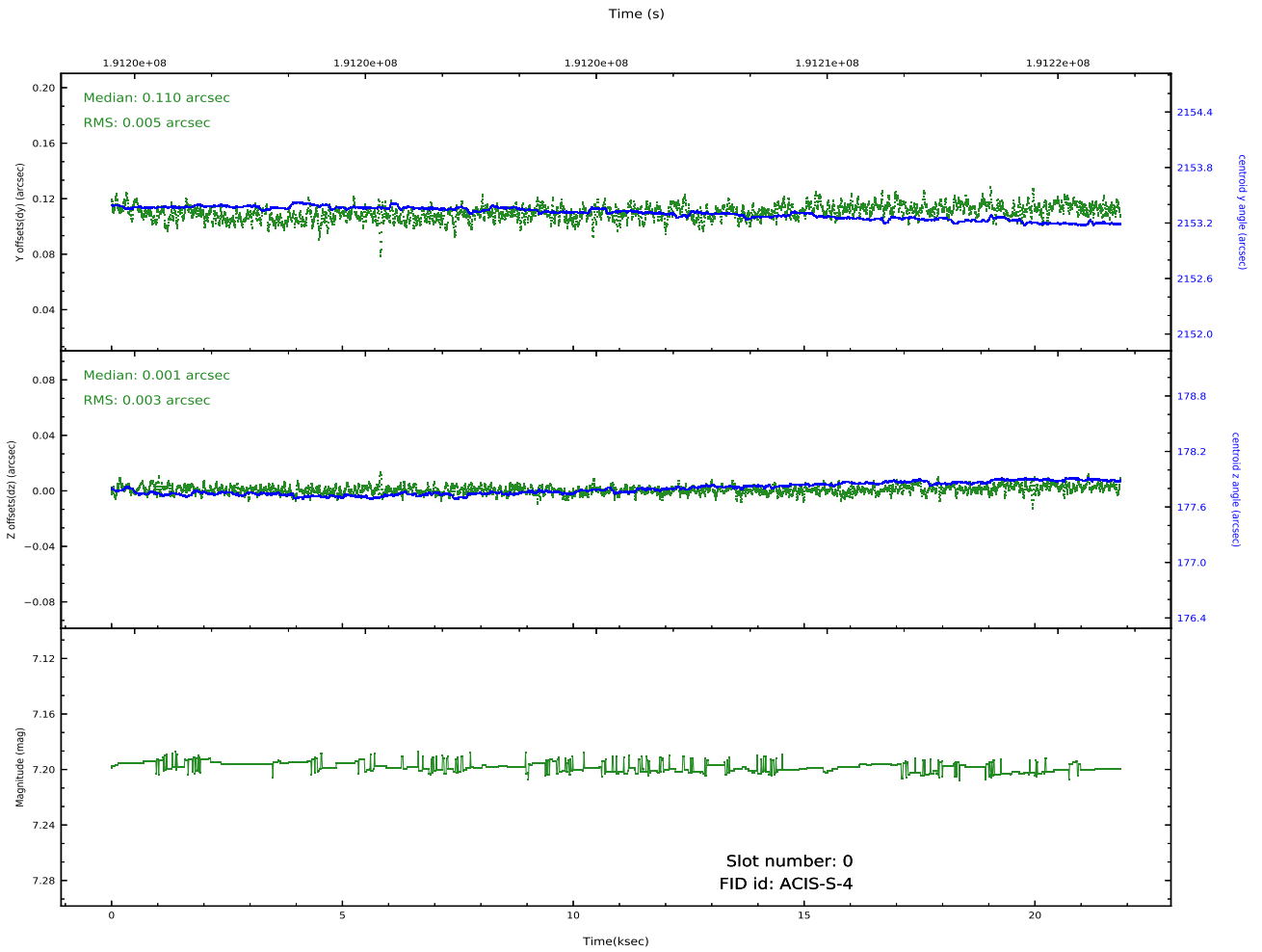
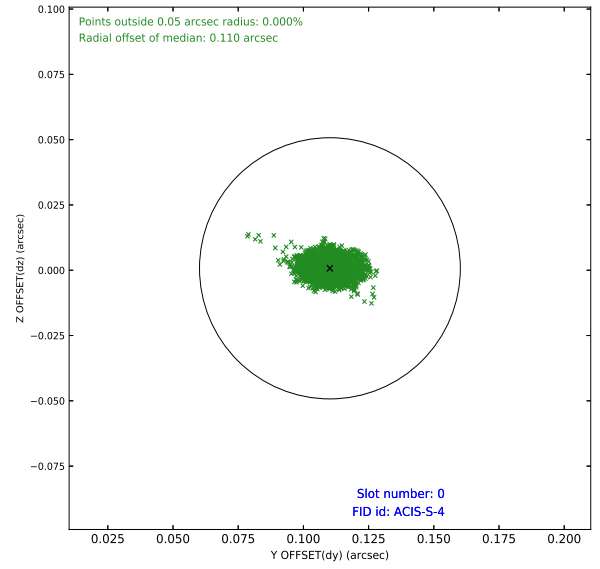
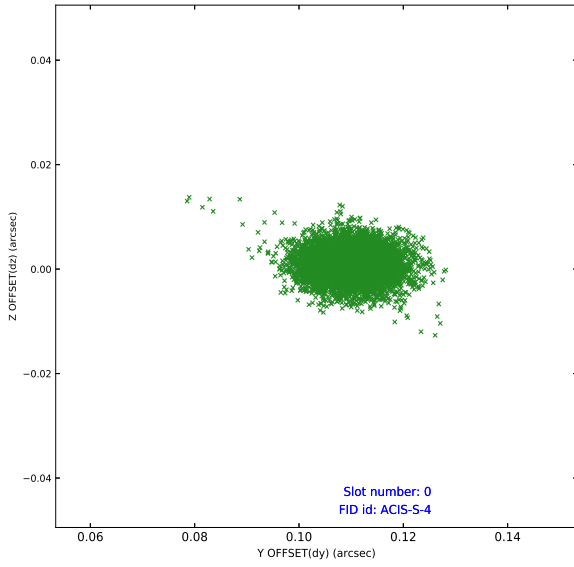


Time (s)

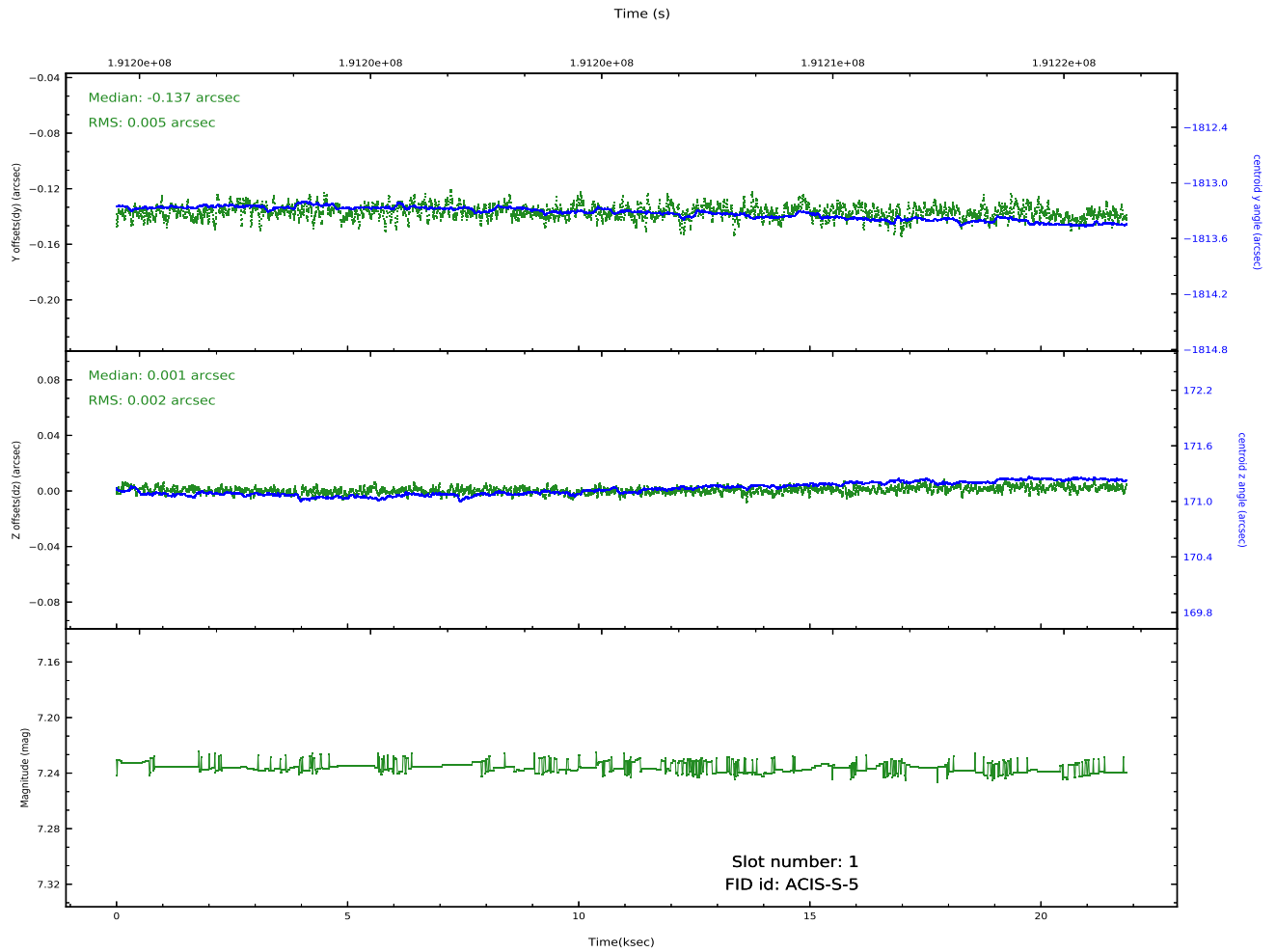
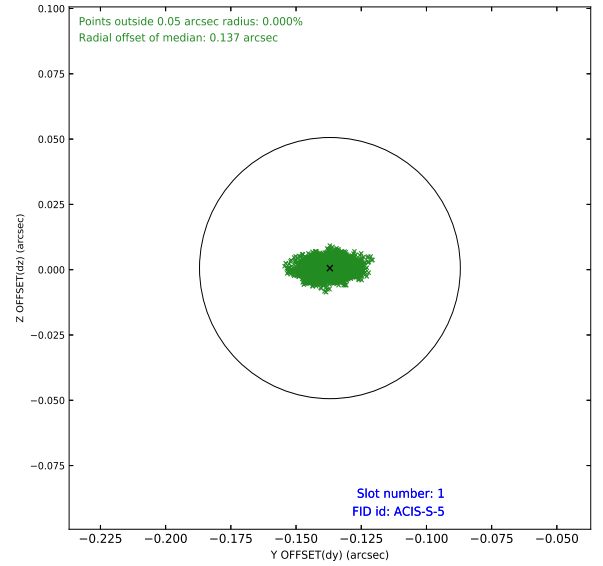
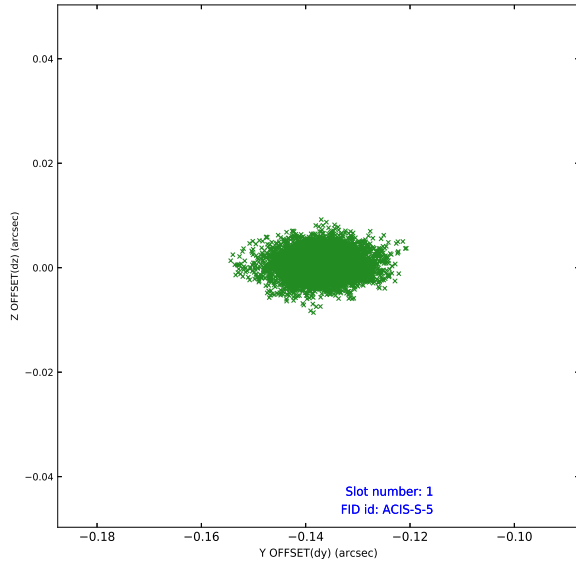


2.5 FID Slots

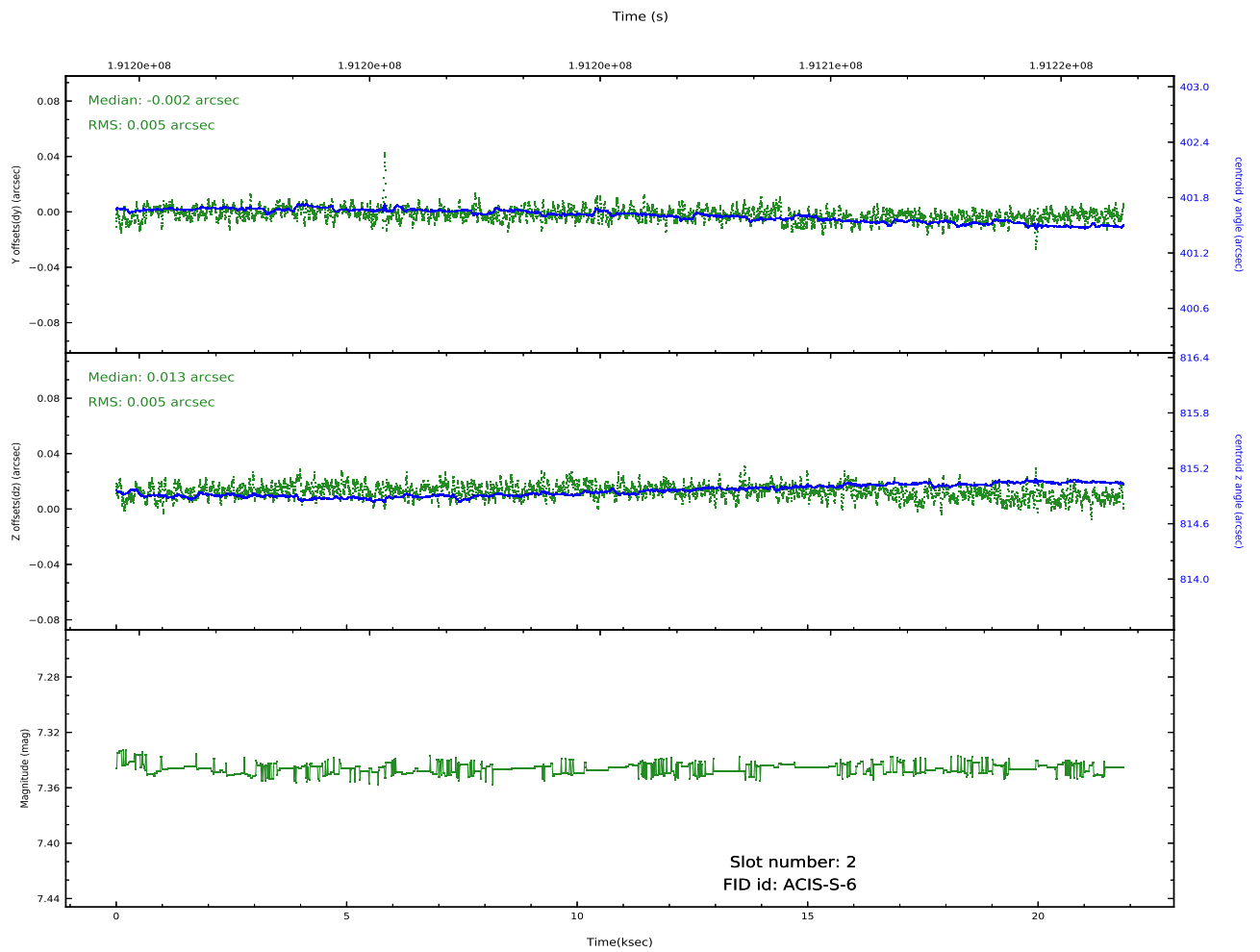
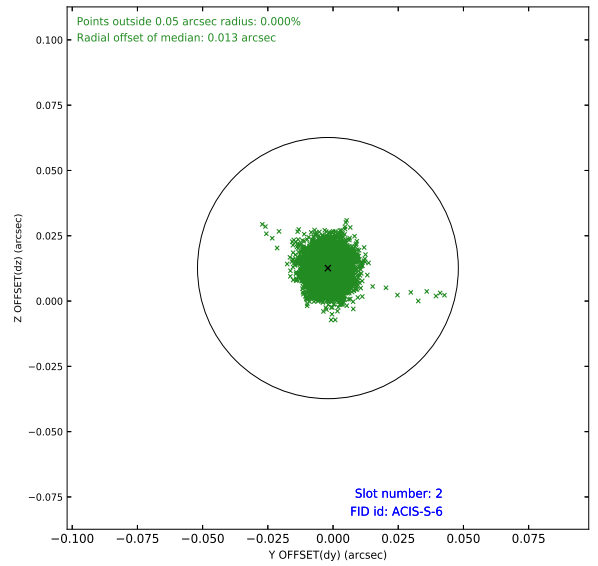
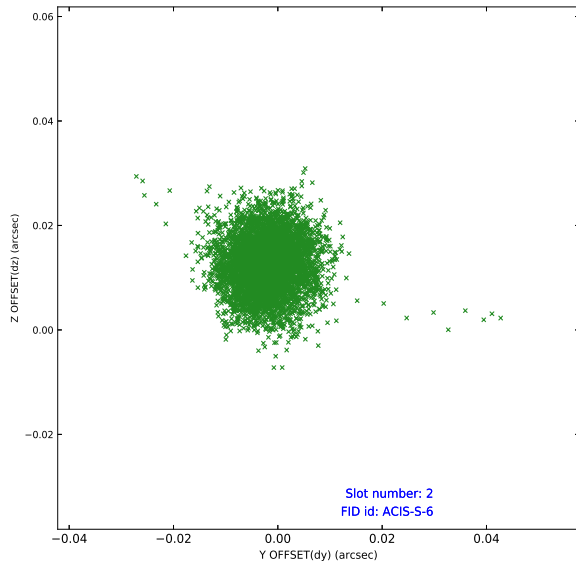
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.848

A.2 Comments