

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4903 - L2 Version 4
Chandra X-Ray Center

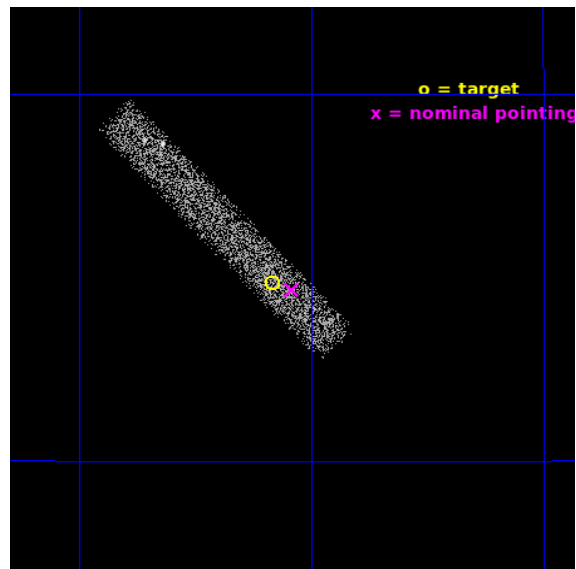
L2 Processing Date : Sep 23 2020

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1 Front

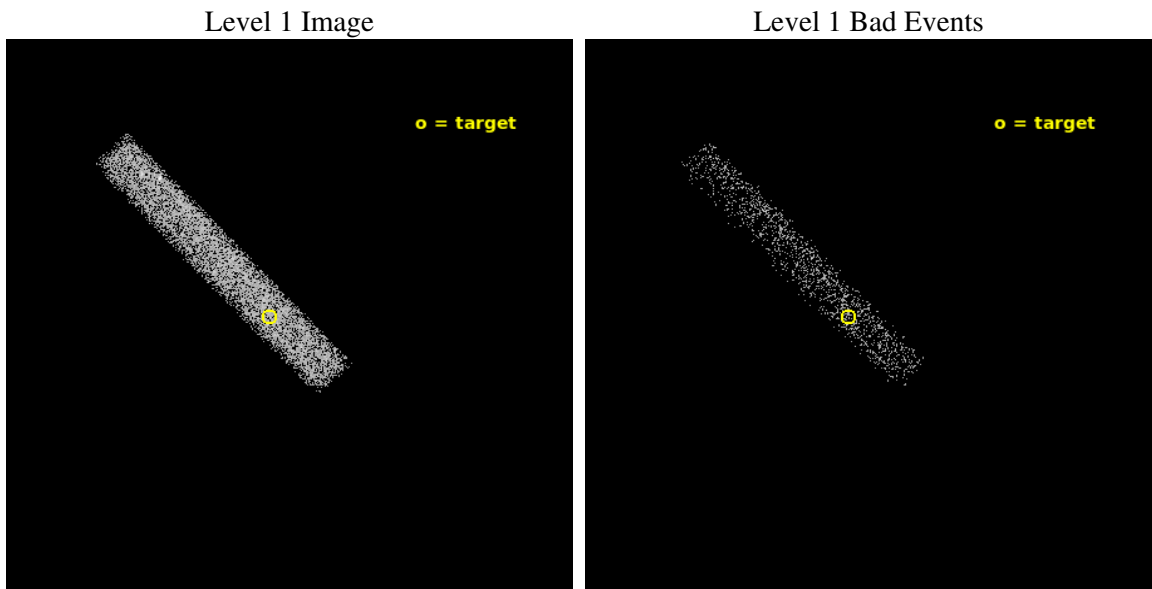
seq_num	700984	Sequence number
obs_id	4903	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 0841+3604	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.270833	Observer's specified target RA [deg]
dec_targ	36.080583	Observer's specified target Dec [deg]
ra_nom	130.26038785959	Nominal RA [deg]
dec_nom	36.07776557764	Nominal Dec [deg]
roll_nom	226.95509883794	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10274.000153065	Sum of GTIs [s]
liveltime	9317.9758326363	Livetime [s]
ontime7	10274.000153065	Sum of GTIs [s]
l2events	5576	Number of level 2 events



2 OBI

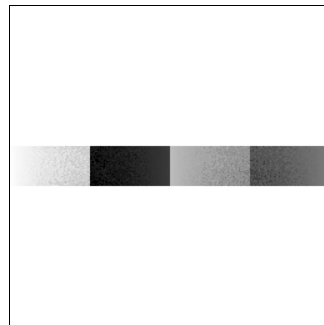
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10274.000153065	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	10274.000153065	Sum of GTIs [s]
date	2020-09-24T01:31:31	Date and time of file creation	l1events	13502	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

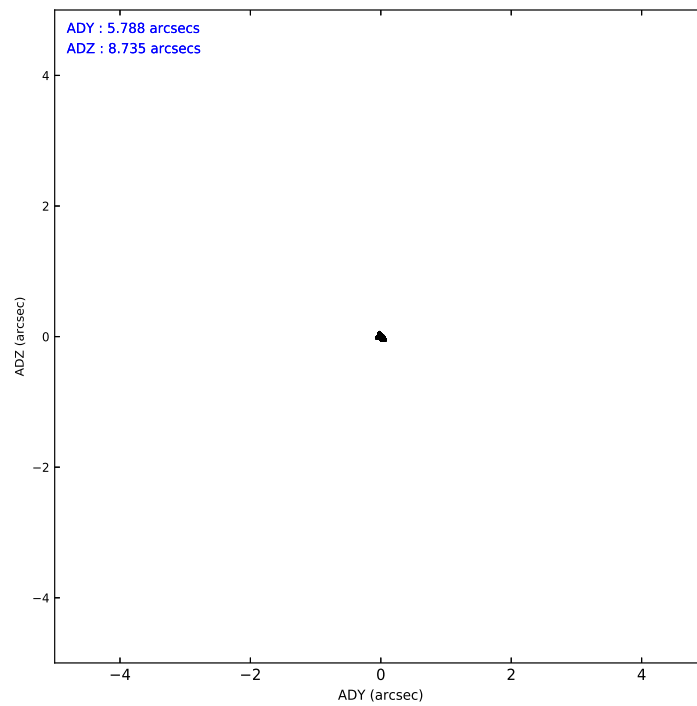
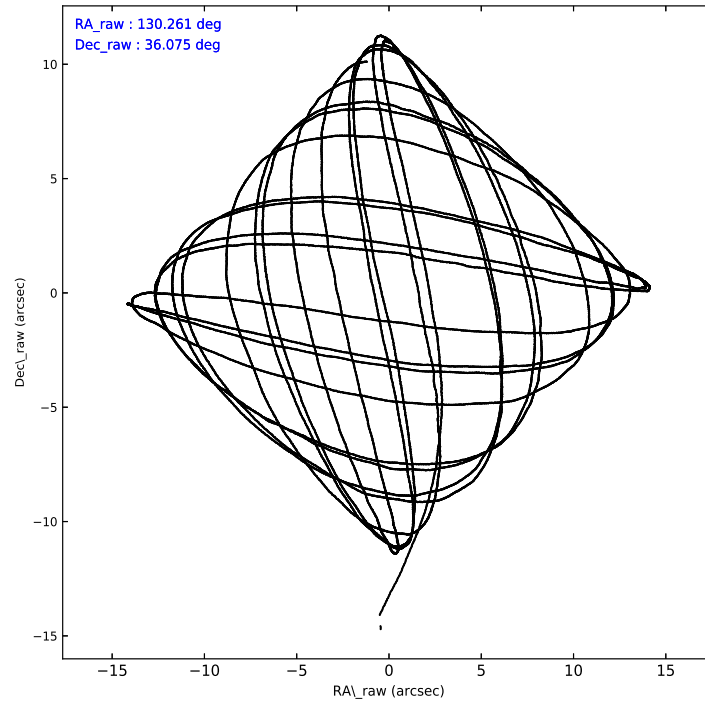
	ccd 7
level 1 events	13502
rejected events	7694
rejected %	56%

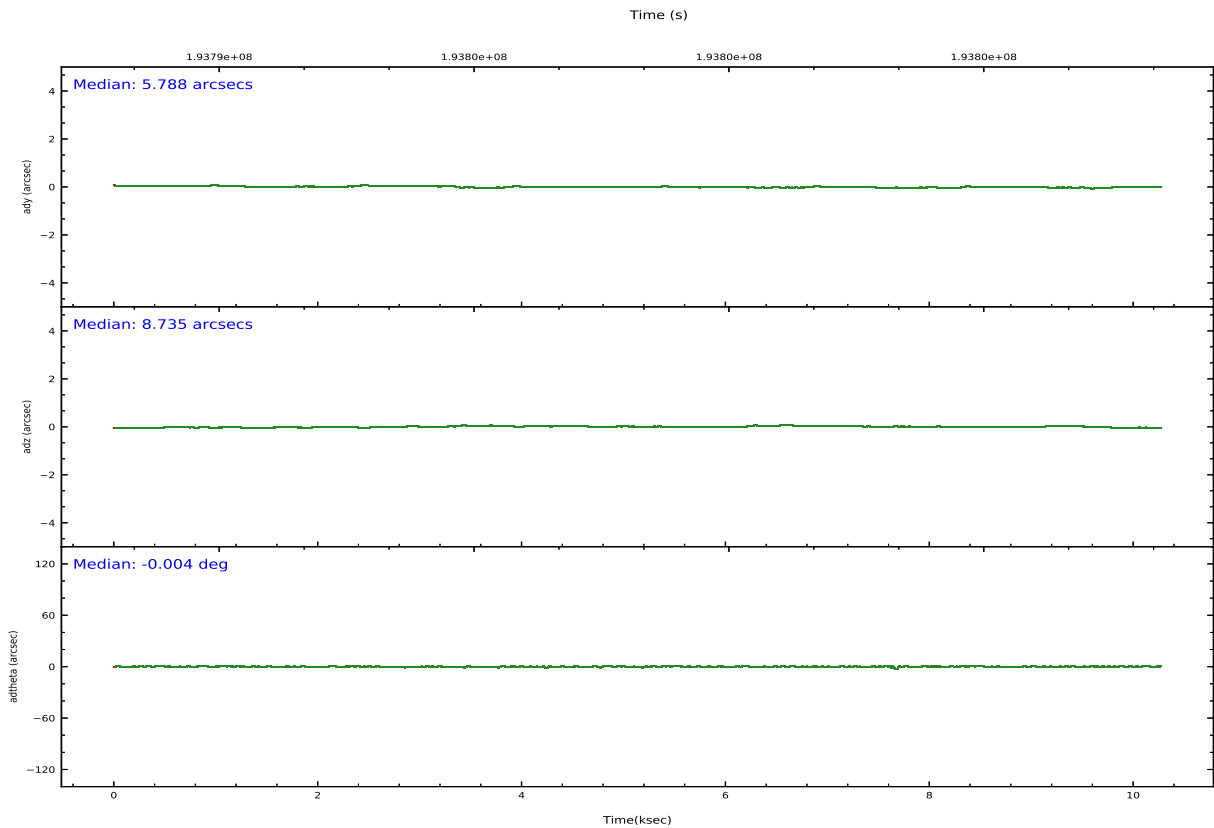
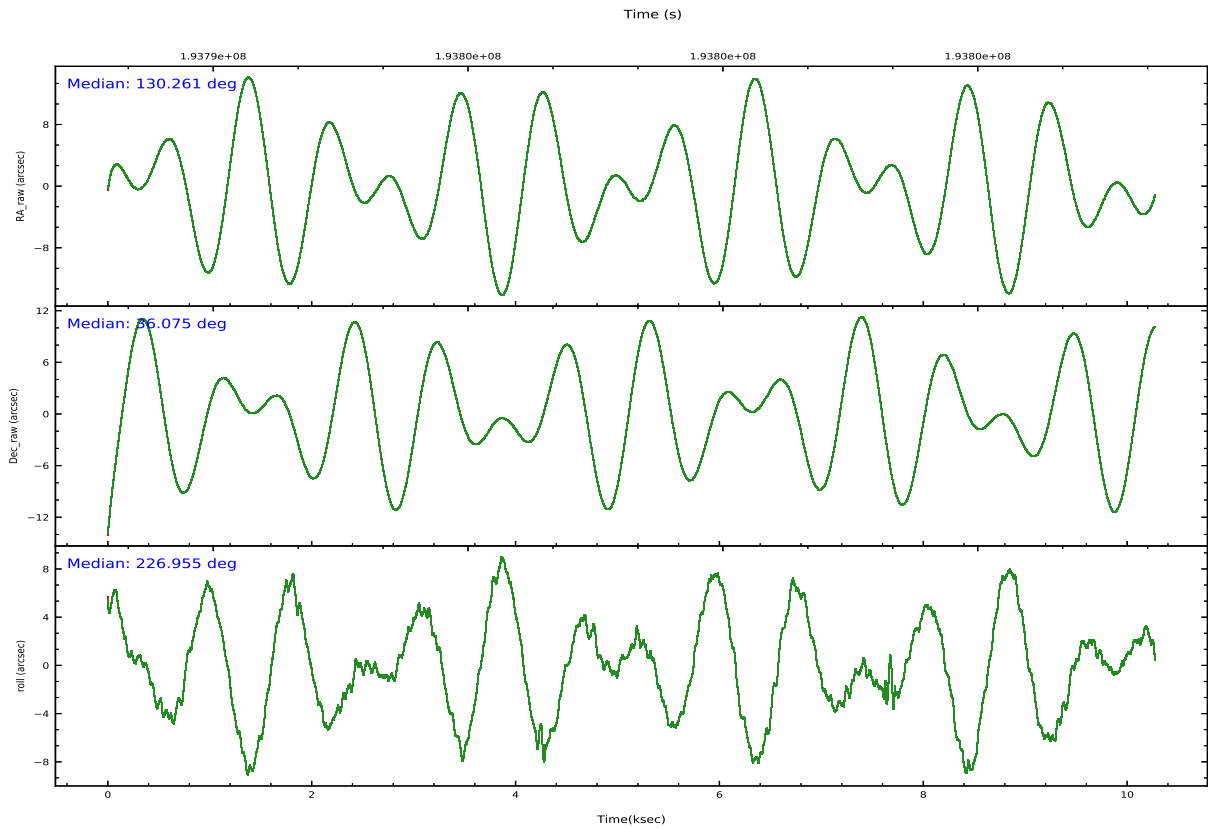
	ccd 7
grade 0 events	673
	4%
grade 1 events	12
	0%
grade 2 events	1236
	9%
grade 3 events	858
	6%
grade 4 events	799
	5%
grade 5 events	1185
	8%
grade 6 events	2798
	20%
grade 7 events	5941
	44%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	130.268428	130.26038785959	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	36.101389	36.07776557764	Subarray start row	449	449
[deg] Pointing Roll	226.793771	226.95509883794	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)	193791741.184000	193790737.00637			
Observation start date	2004-02-21T23:01:17	2004-02-21T22:45:37			
[s] Observation end time (MET)	193801741.184000	193802821.75689			
Observation end date	2004-02-22T01:47:57	2004-02-22T02:07:01			
Read mode	TIMED	TIMED			

2.3 Aspect





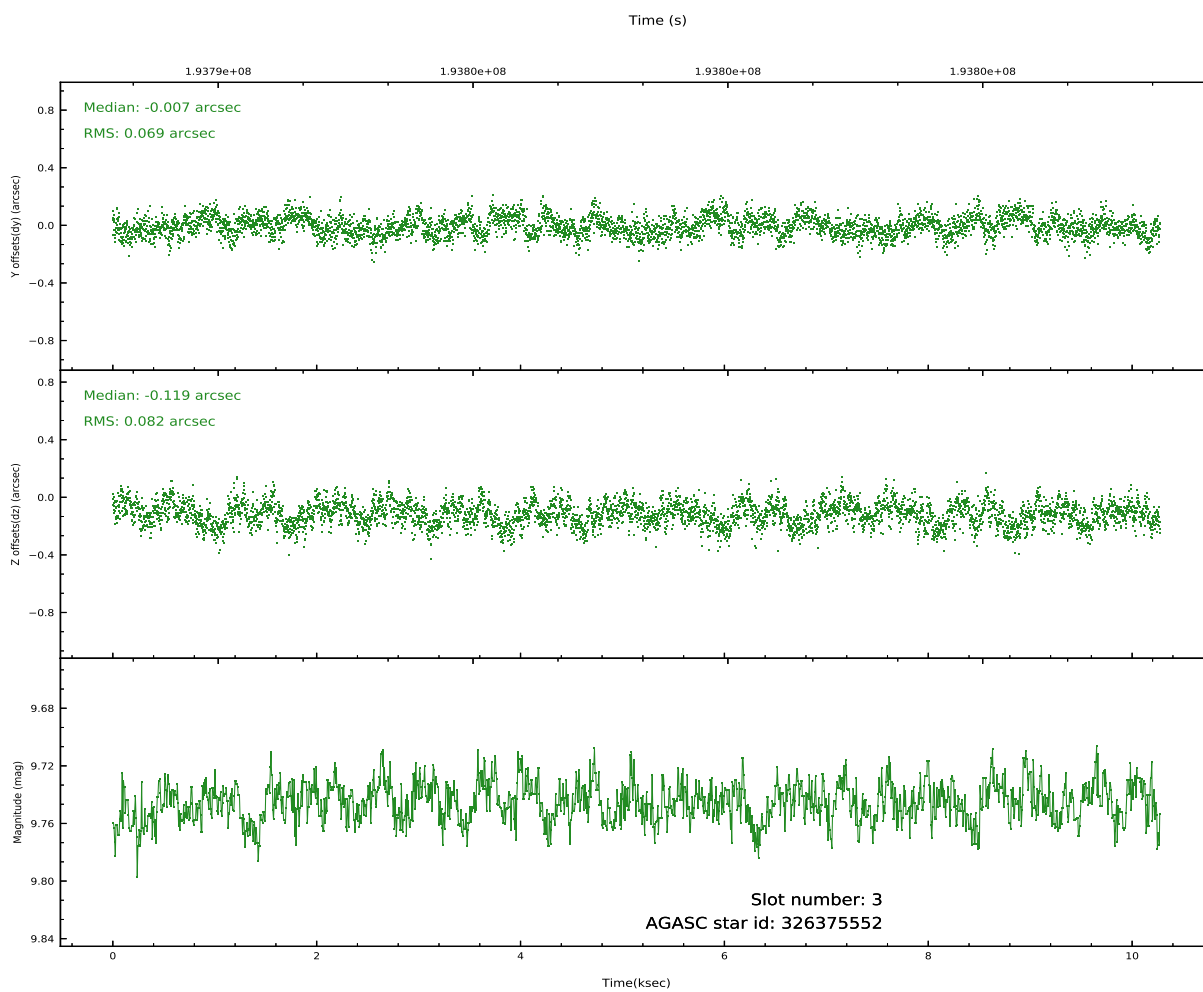
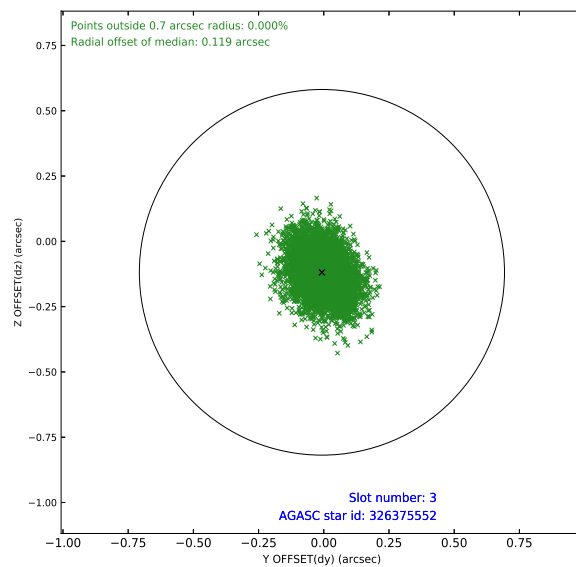
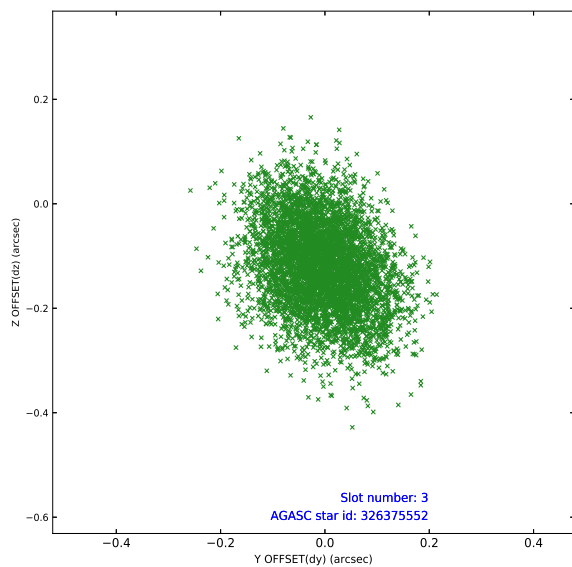
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2507	1.000	-0.072	-0.077	0.007	0.011	0.000000	0.000000	-758.57	-1730
1	FID		ACIS-S-4	7.21	2507	1.000	0.137	0.055	0.006	0.010	0.000000	0.000000	2154.67	178
2	FID		ACIS-S-5	7.23	2506	1.000	-0.097	0.031	0.006	0.011	0.000000	0.000000	-1810.79	172
3	GUIDE	used	326375552	9.75	5009	1.000	-0.007	-0.119	0.114	0.186	129.714524	36.329110	499.26	-1735
4	GUIDE	used	326378048	7.58	5013	1.000	-0.183	-0.084	0.062	0.094	130.883616	36.348232	-1872.97	687
5	GUIDE	used	326378568	8.27	5008	1.000	0.036	0.053	0.065	0.105	130.277846	36.185317	-239.00	-186
6	GUIDE	used	326381952	8.83	5012	1.000	0.104	0.142	0.133	0.197	130.575418	36.508326	-1676.53	-356
7	GUIDE	used	326385480	7.83	5012	1.000	0.052	0.013	0.091	0.129	129.863859	35.519781	2335.85	568

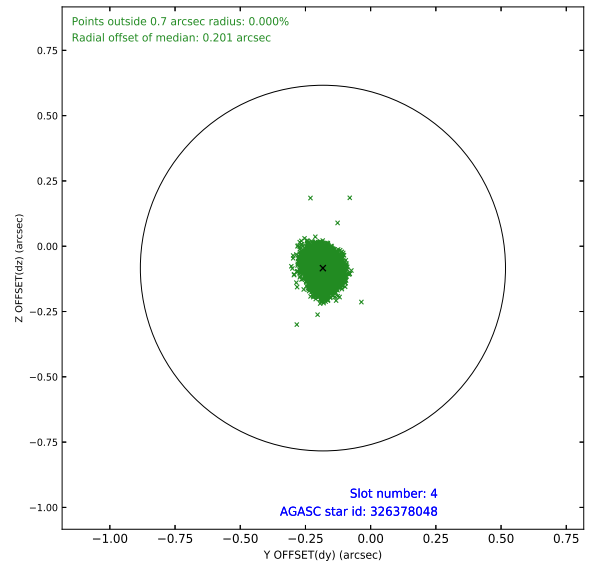
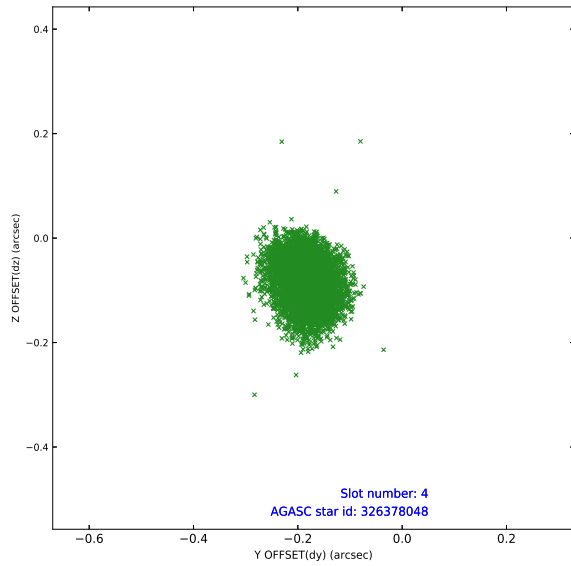
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2.4 Star Slots

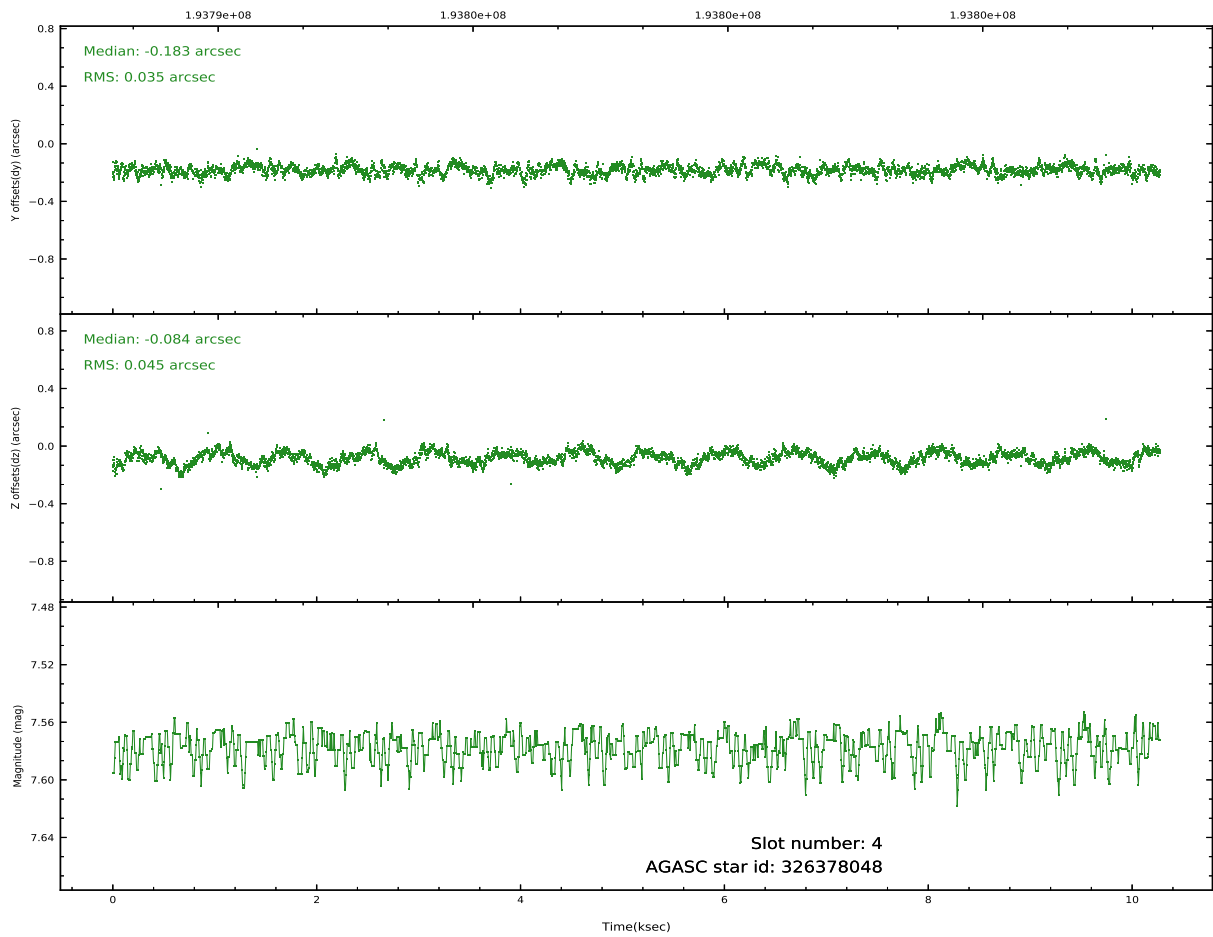
2.4.1 Slot 3



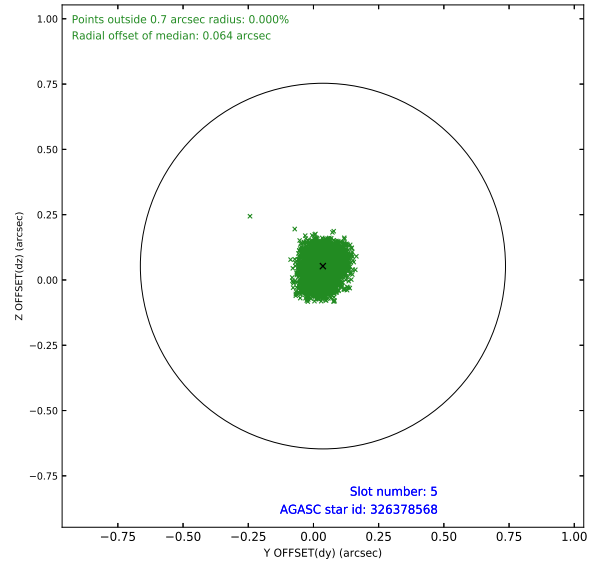
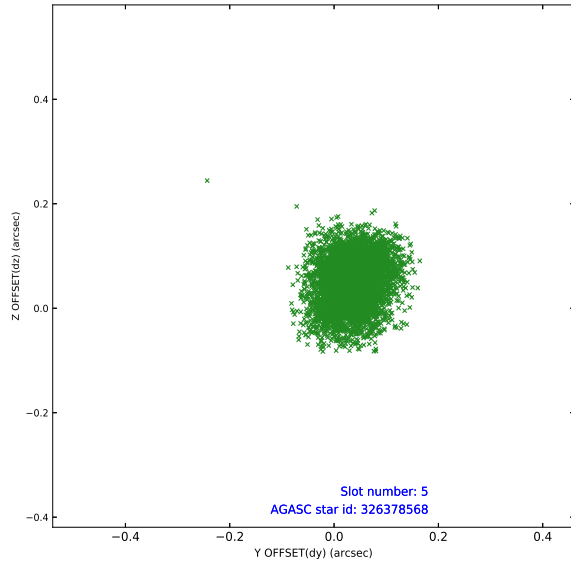
2.4.2 Slot 4



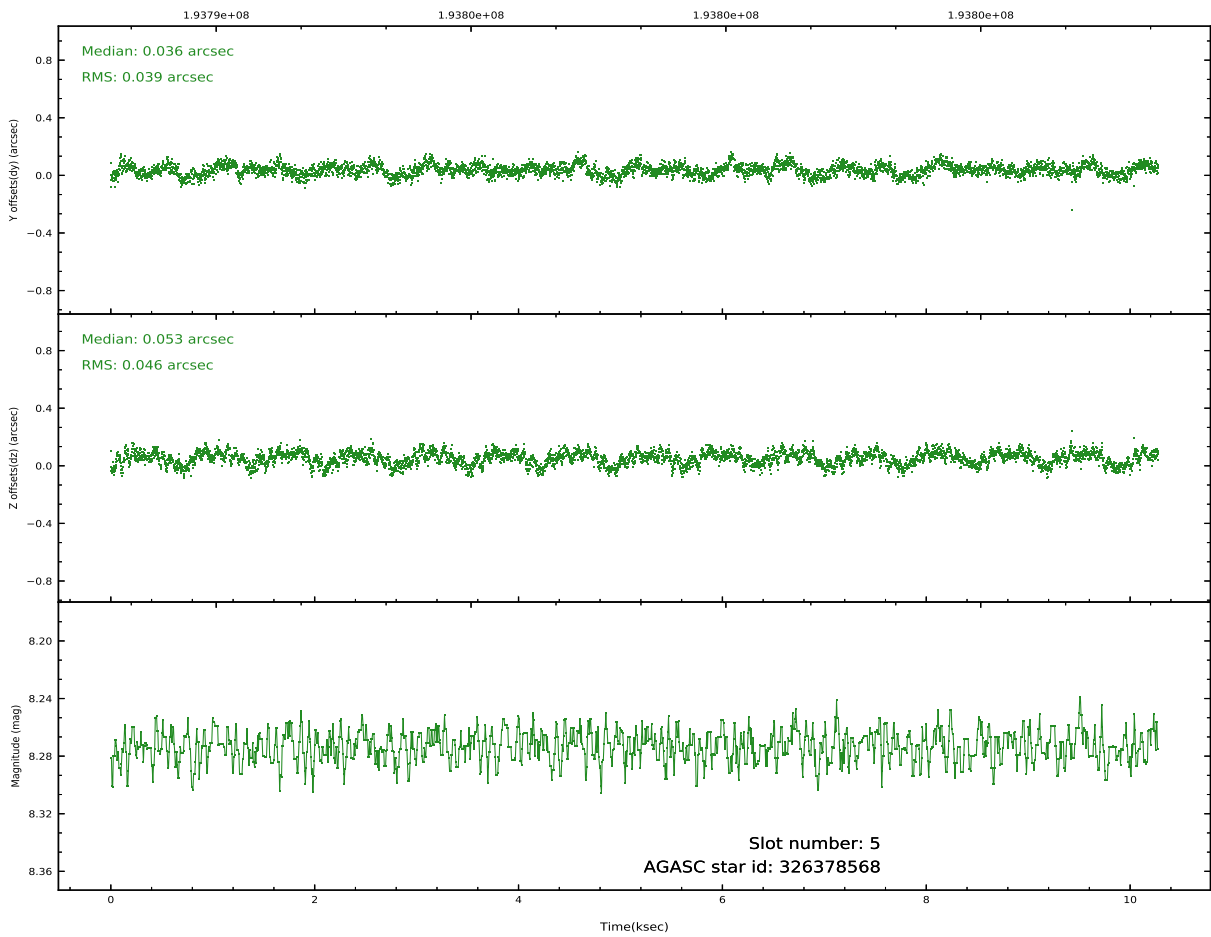
Time (s)



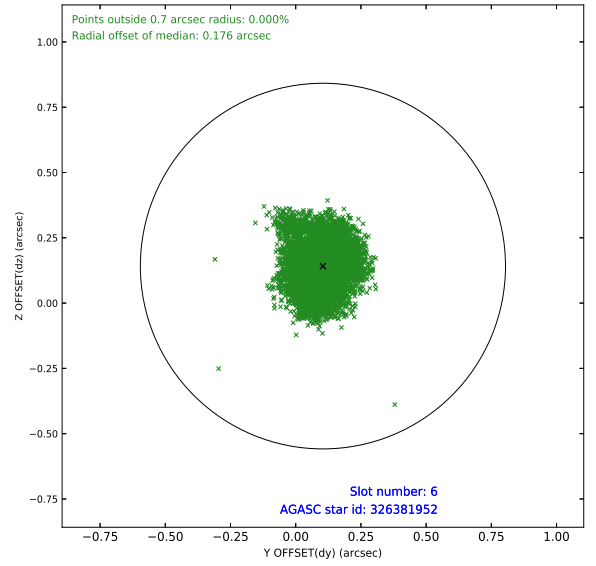
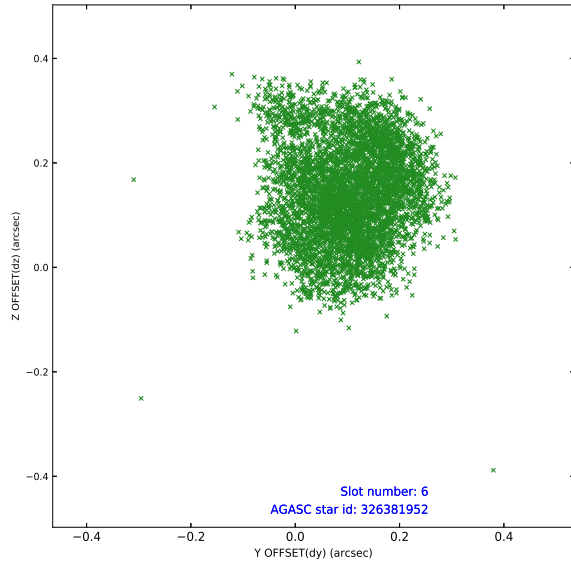
2.4.3 Slot 5



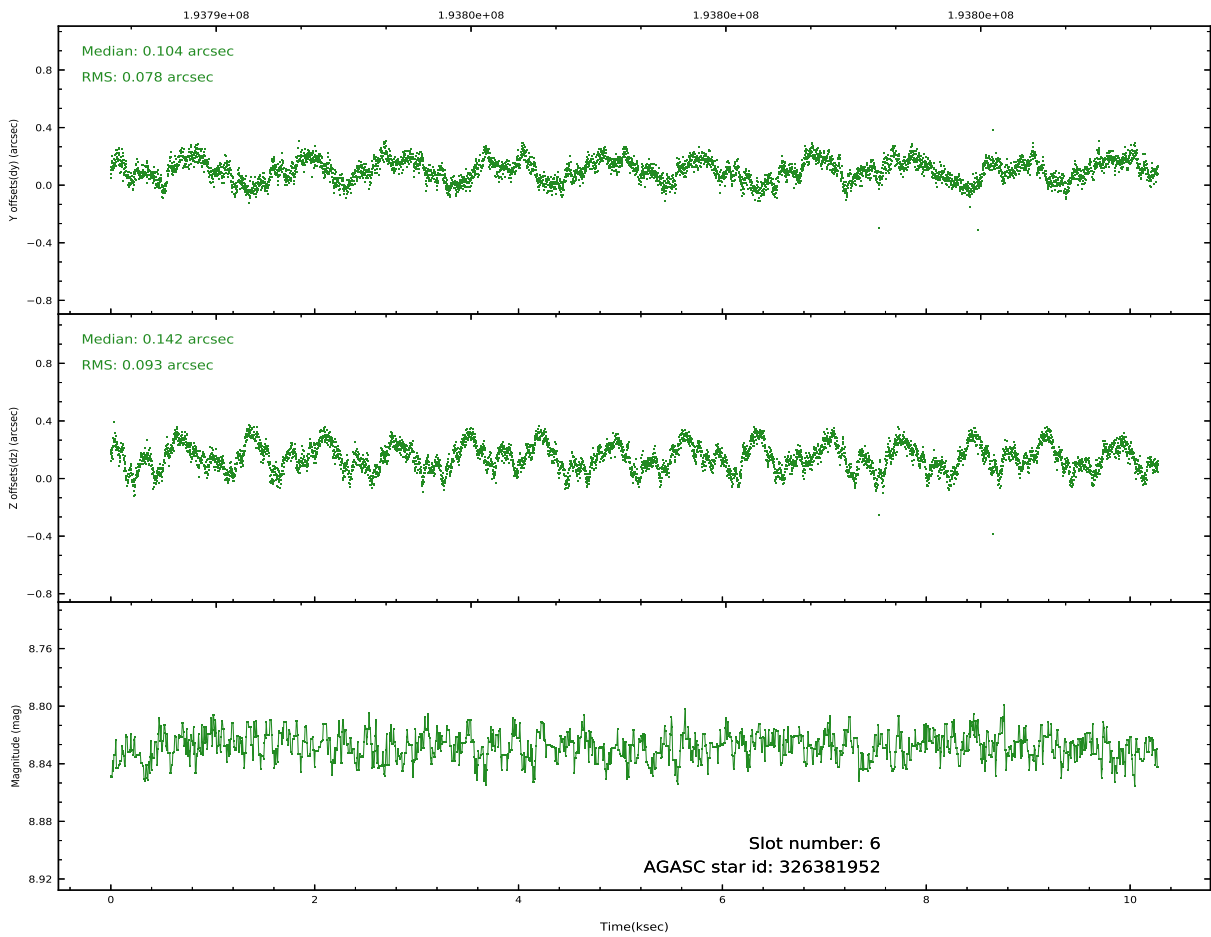
Time (s)



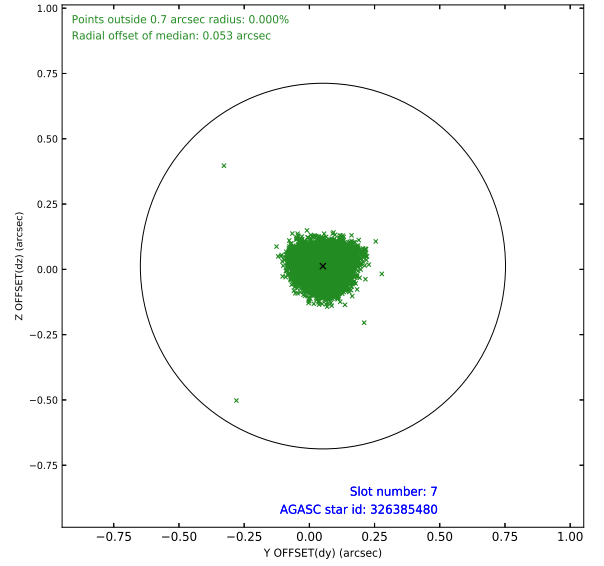
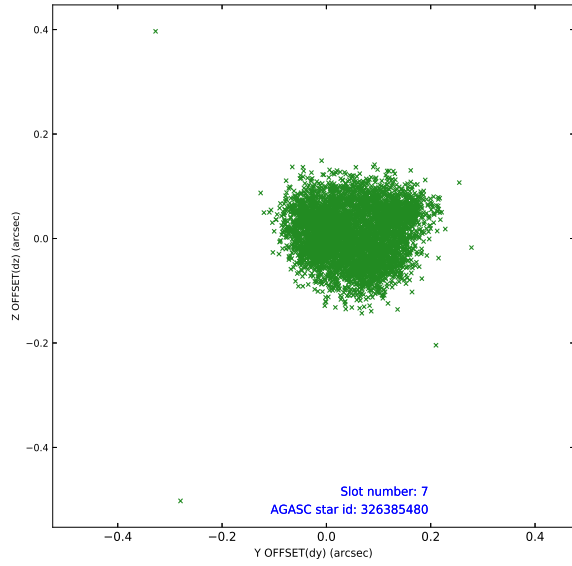
2.4.4 Slot 6



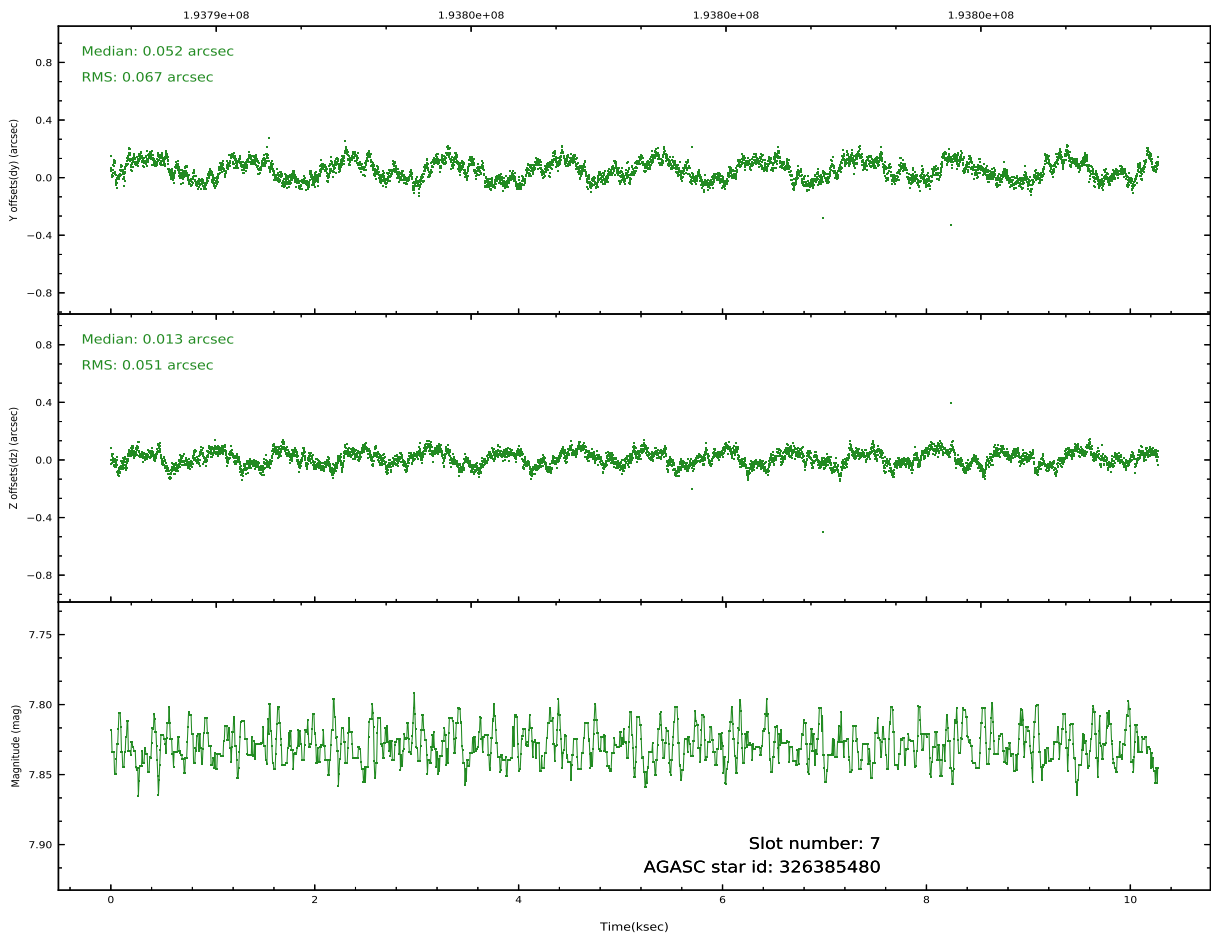
Time (s)



2.4.5 Slot 7

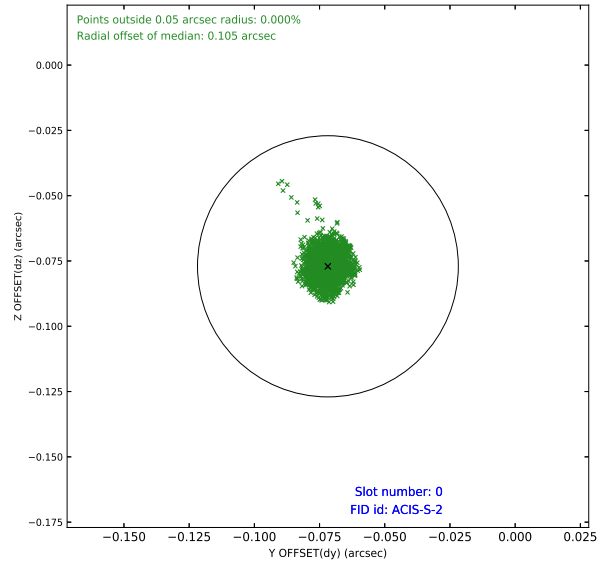
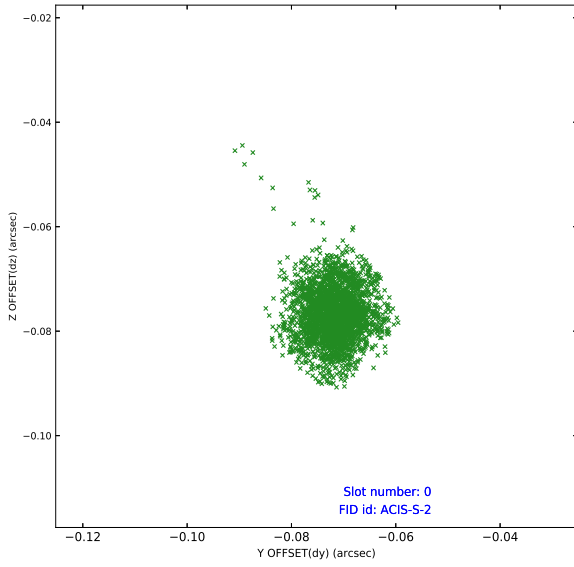


Time (s)

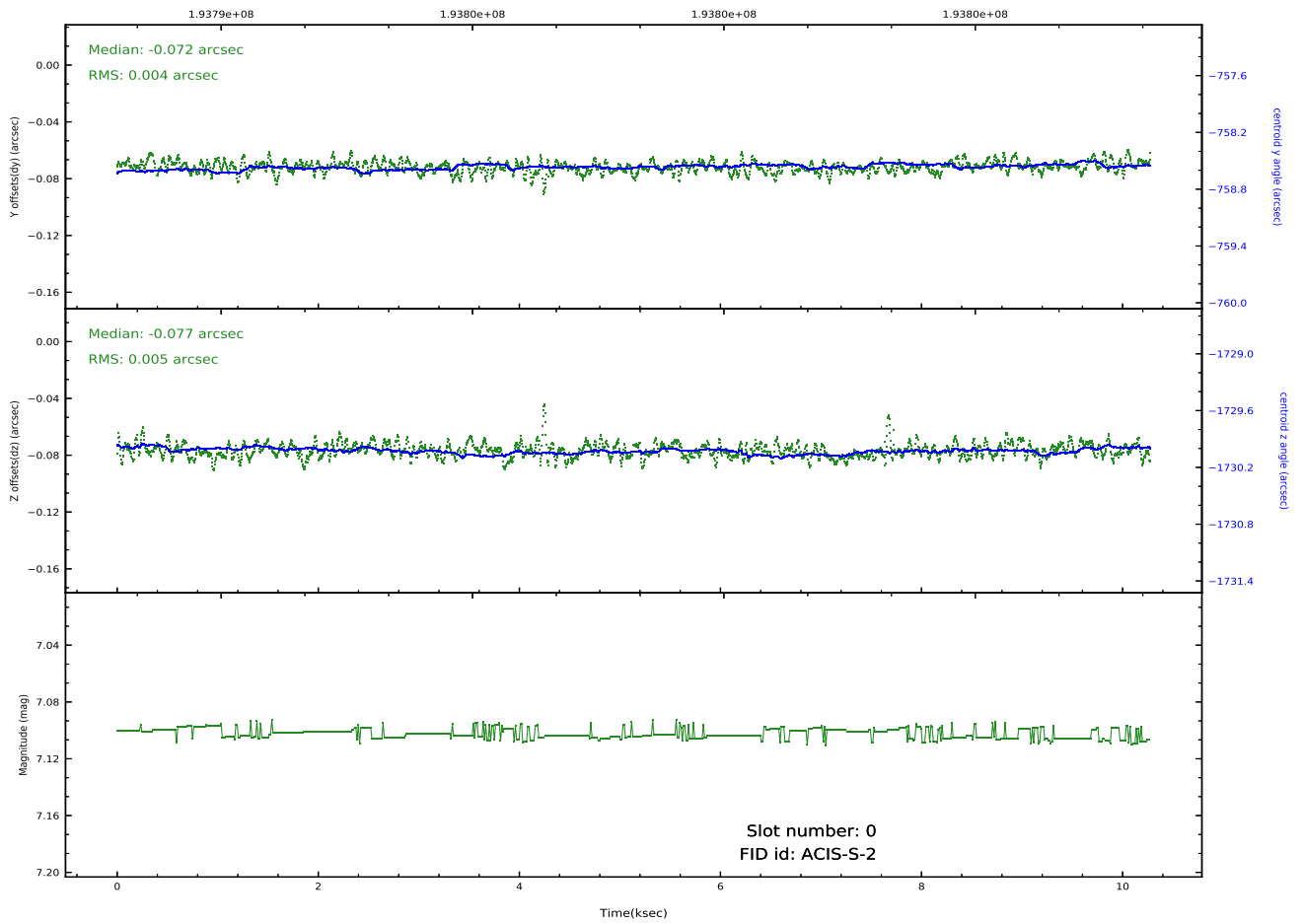


2.5 FID Slots

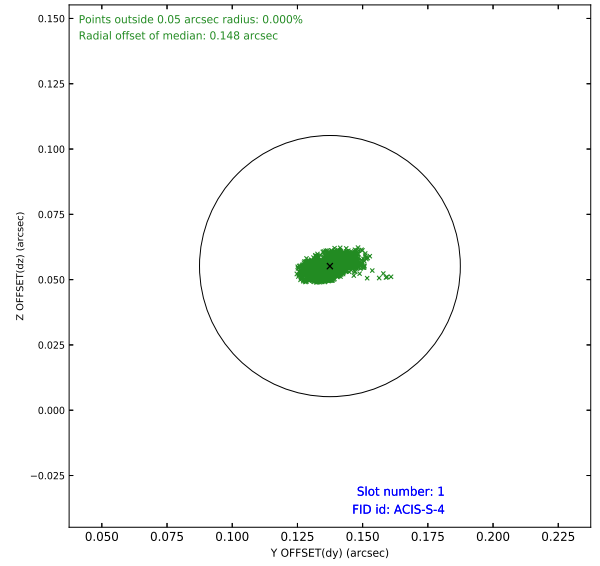
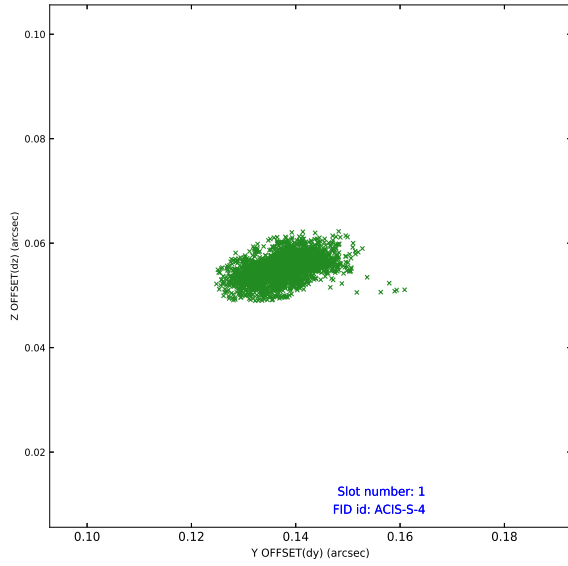
2.5.1 Slot 0



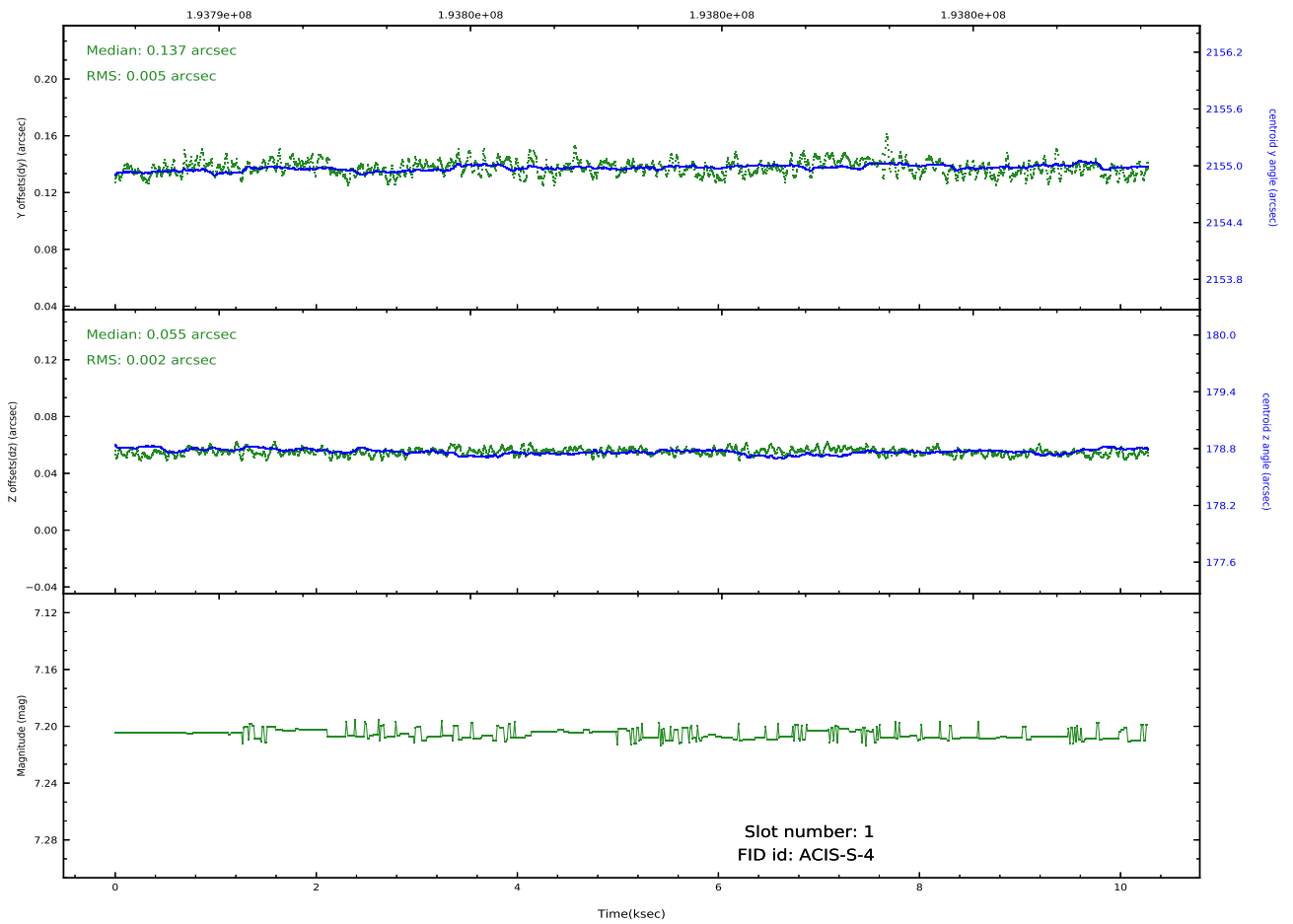
Time (s)



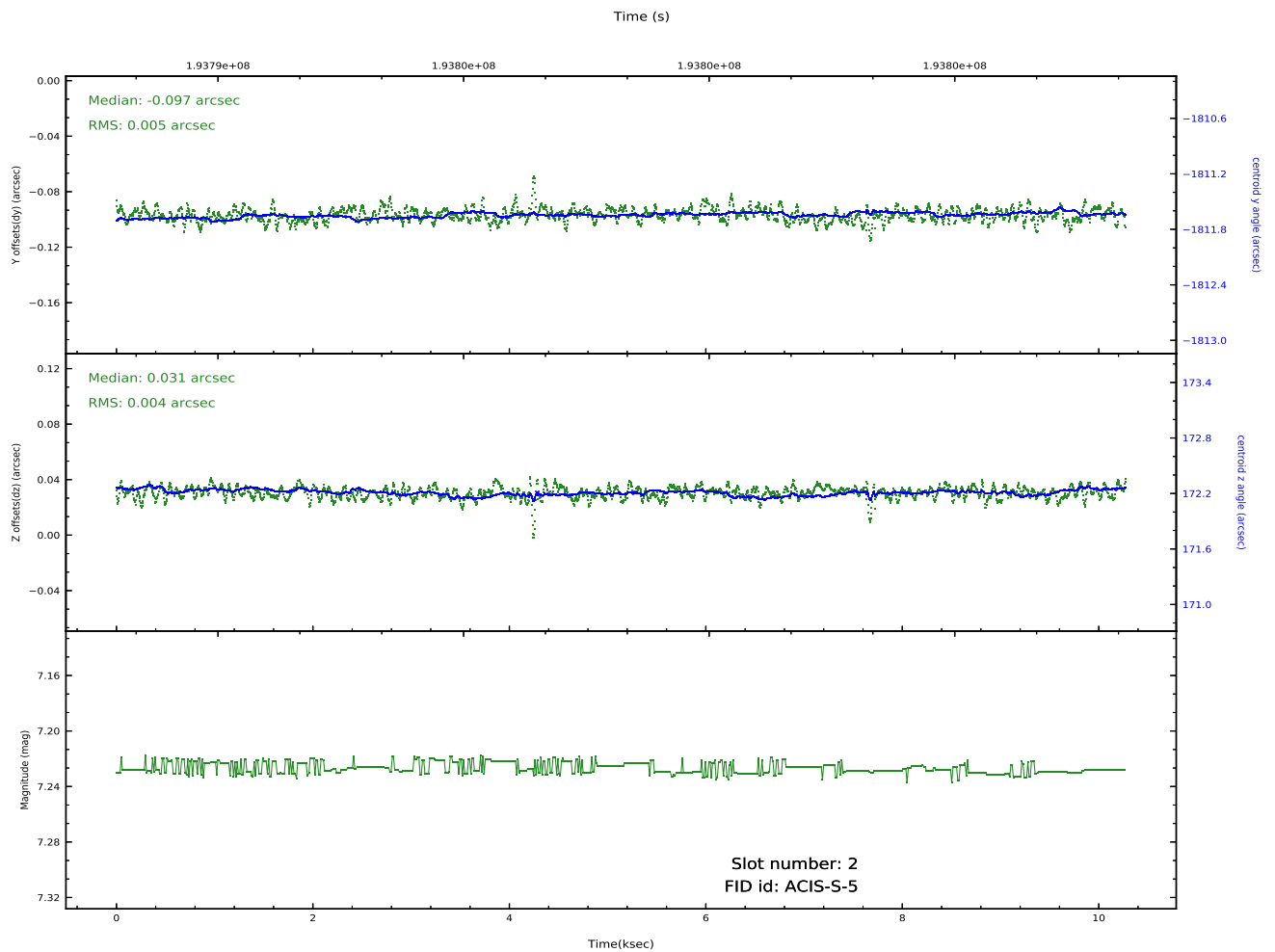
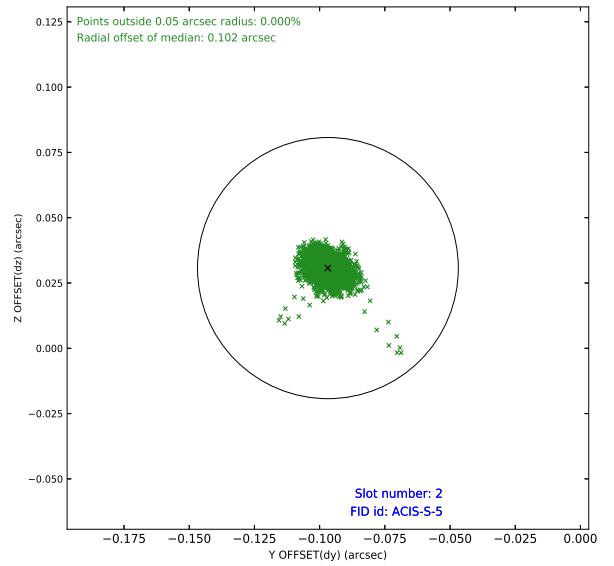
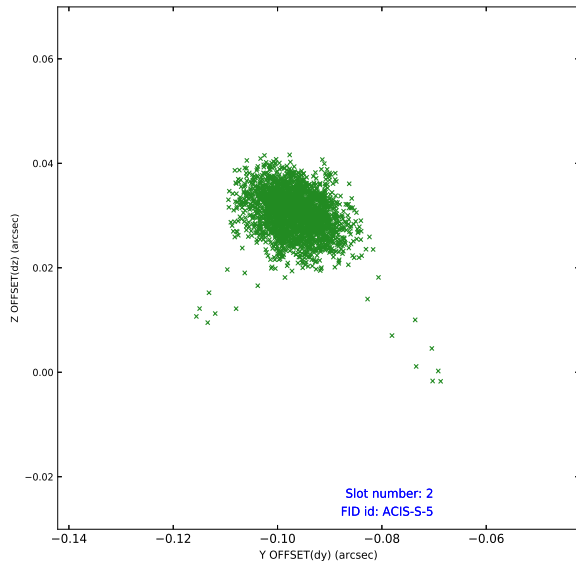
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.274

A.2 Comments