

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5527 - L2 Version 5
Chandra X-Ray Center

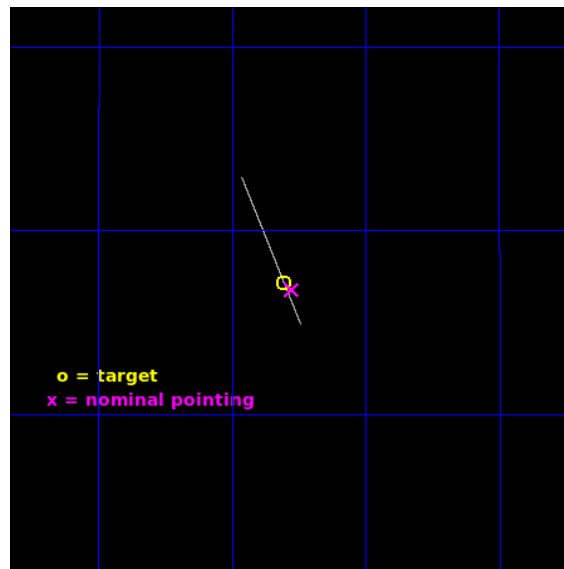
L2 Processing Date : Oct 9 2020

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1 Front

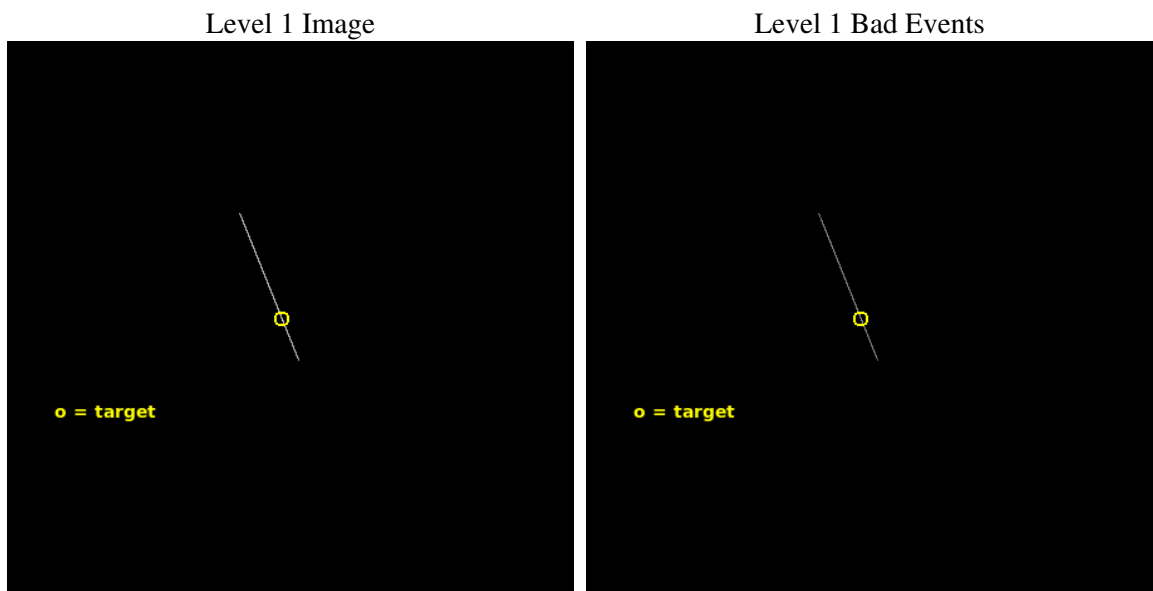
seq_num	500521	Sequence number
obs_id	5527	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.19385795655	Nominal RA [deg]
dec_nom	21.446339399031	Nominal Dec [deg]
roll_nom	248.91297036292	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5068.25	Sum of GTIs [s]
livetime	5048.4521484375	Livetime [s]
ontime7	5068.25	Sum of GTIs [s]
l2events	26406	Number of level 2 events



2 OBI

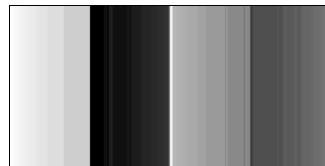
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4897.101000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5068.25	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5068.25	Sum of GTIs [s]
date	2020-10-09T07:28:46	Date and time of file creation	l1events	37400	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

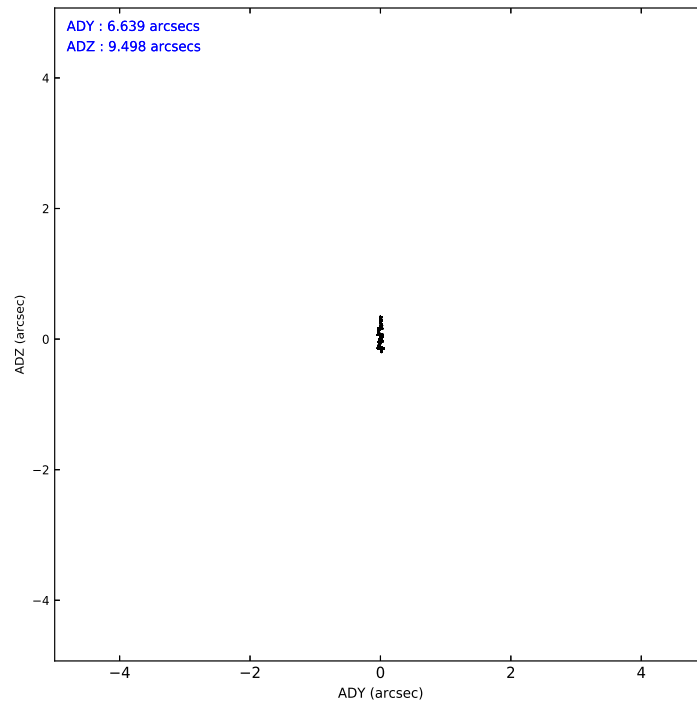
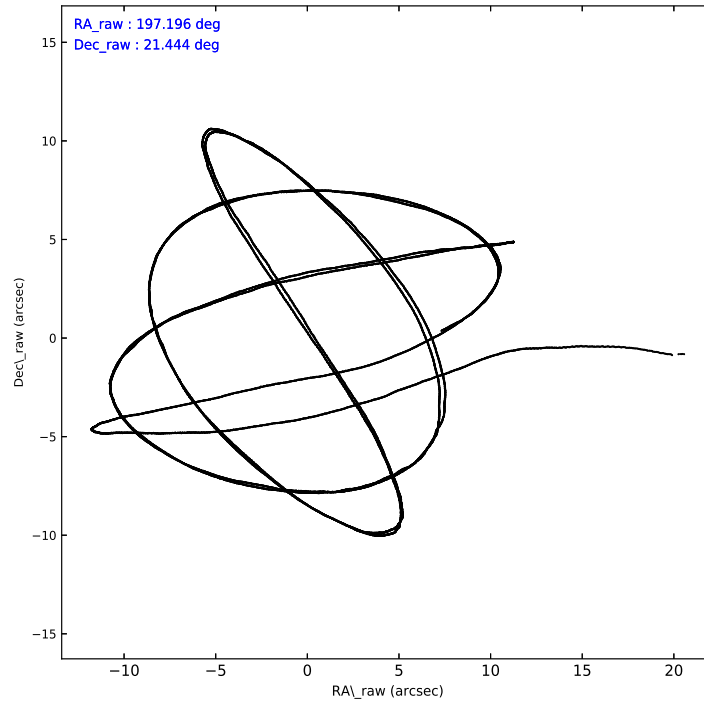
	ccd 7
level 1 events	37400
rejected events	10039
rejected %	26%

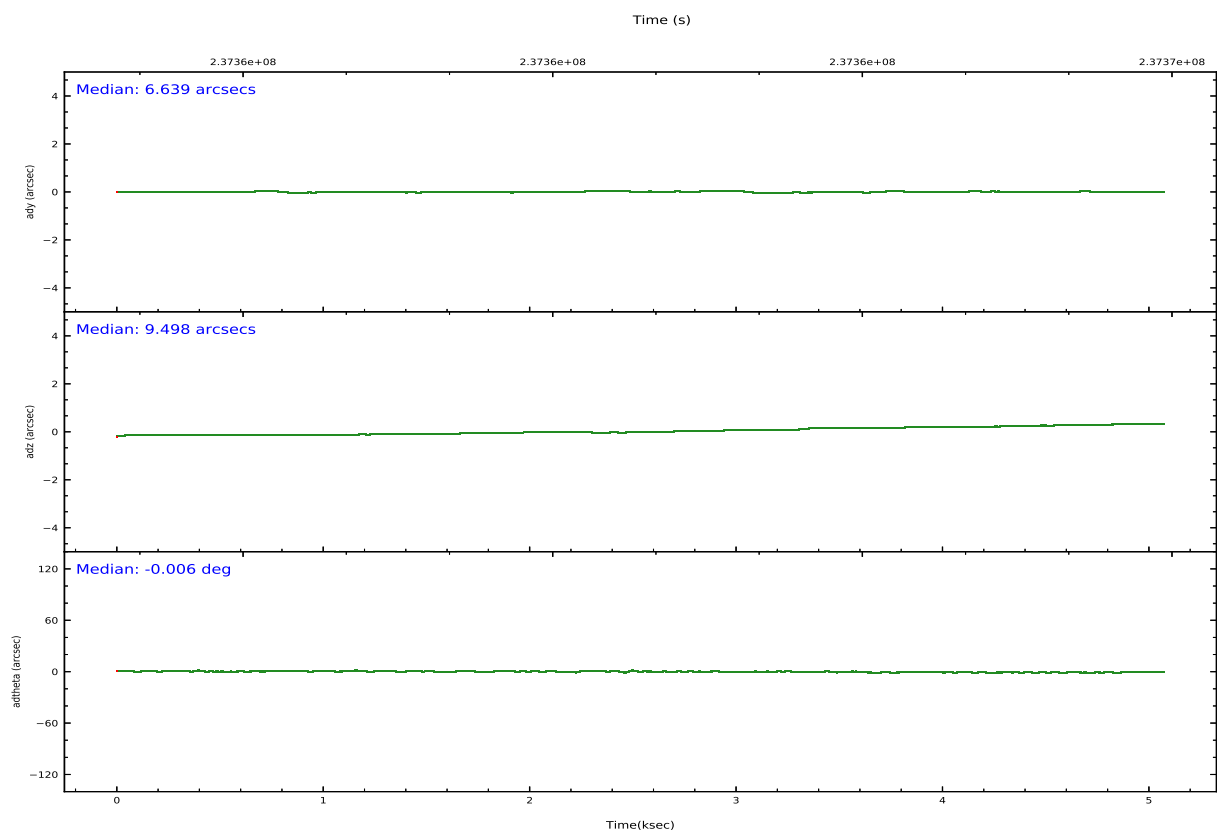
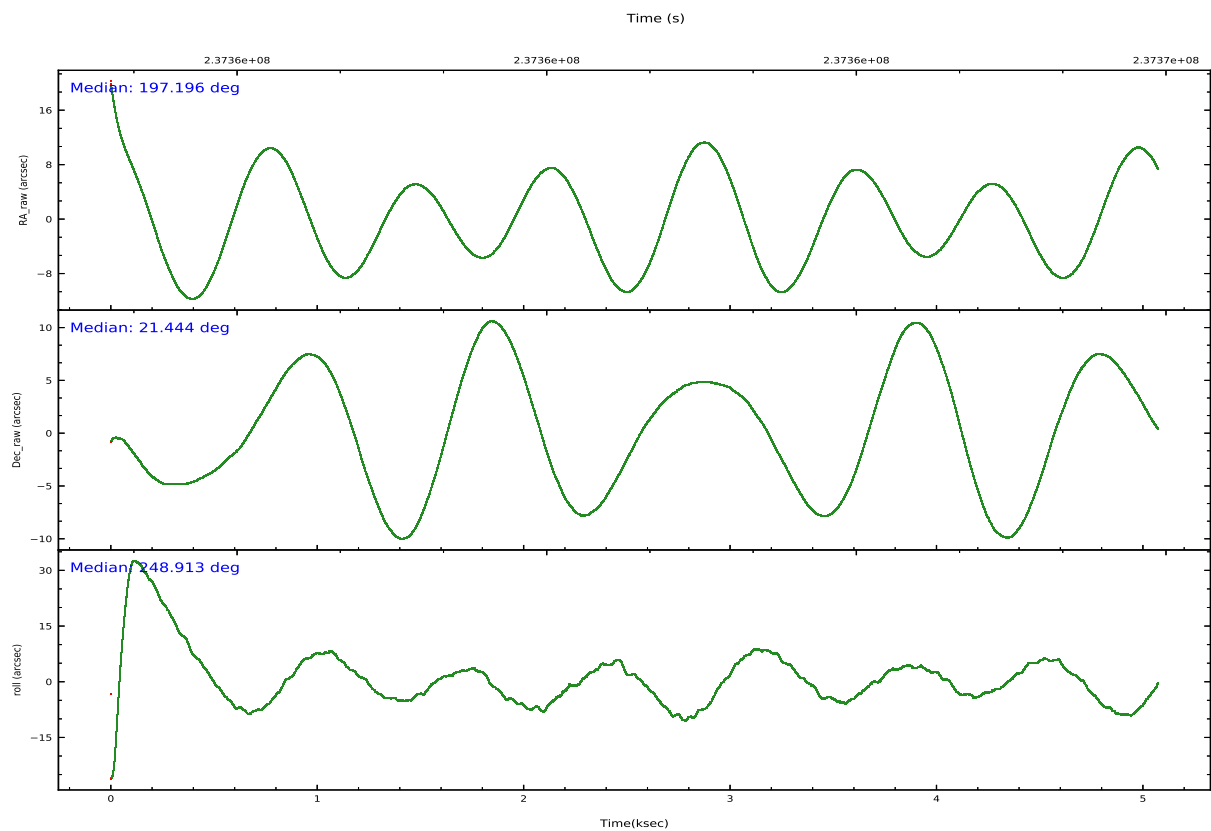
	ccd 7
grade 0 events	4210
	11%
grade 1 events	69
	0%
grade 2 events	7920
	21%
grade 3 events	2360
	6%
grade 4 events	2222
	5%
grade 5 events	5285
	14%
grade 6 events	15334
	41%
grade 7 events	0
	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	197.190951	197.19385795655	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.470459	21.446339399031	Alternating exposures requested	N	N
[deg] Pointing Roll	248.753767	248.91297036292	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	237360566.184000	237359397.67088			
Observation start date	2005-07-10T05:28:22	2005-07-10T05:09:57			
[s] Observation end time (MET)	237365463.184000	237365681.94616			
Observation end date	2005-07-10T06:49:59	2005-07-10T06:54:41			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



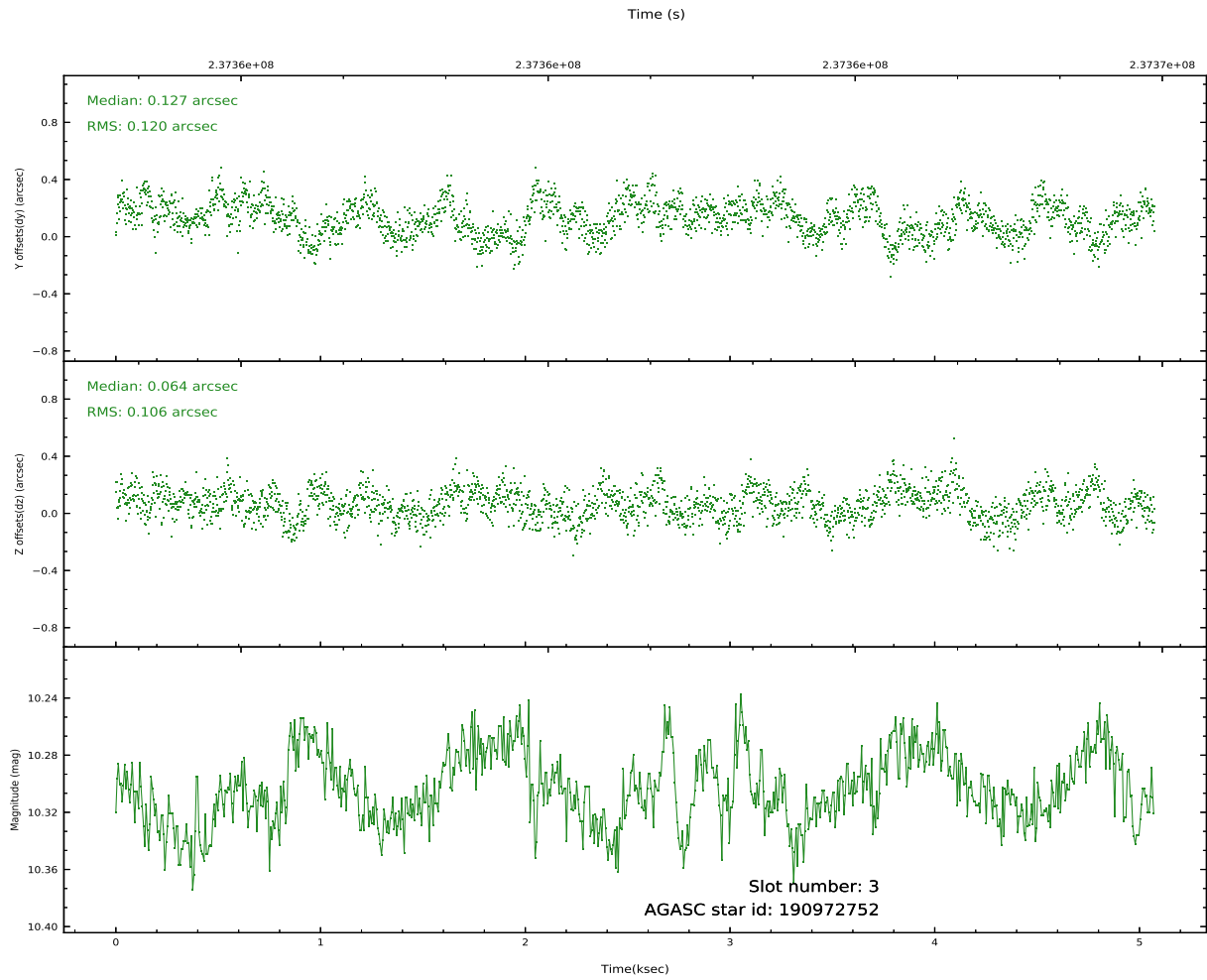
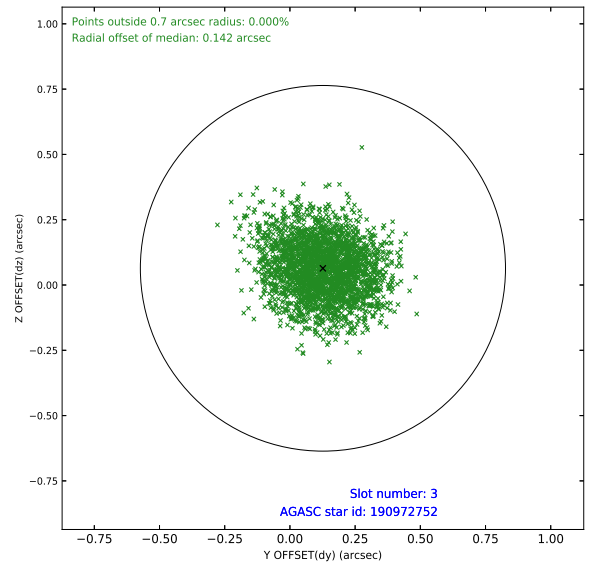
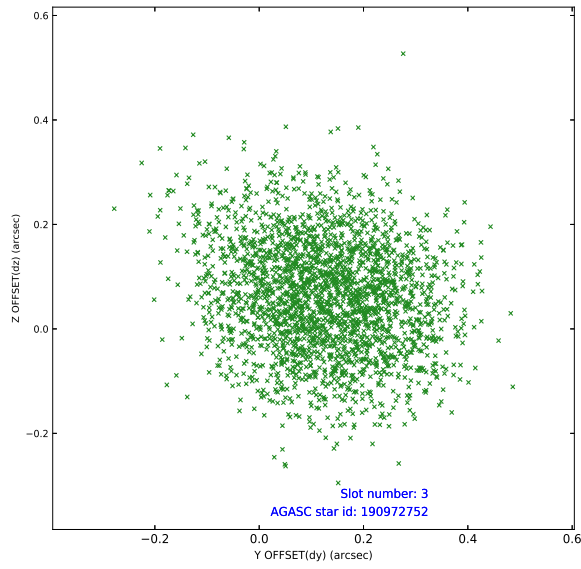


Slot Statistics

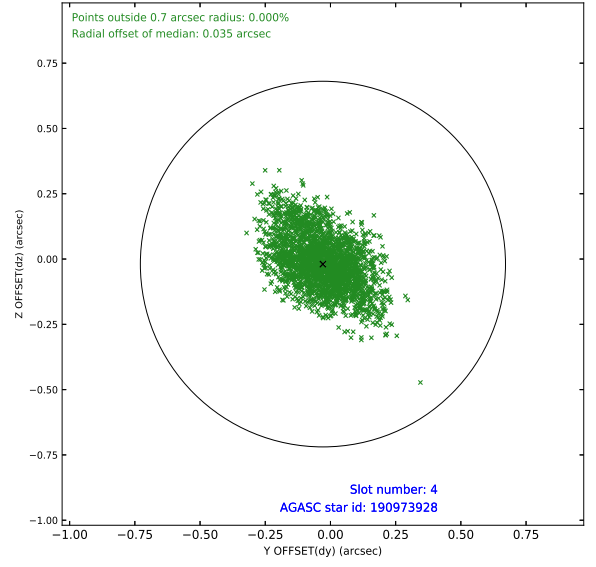
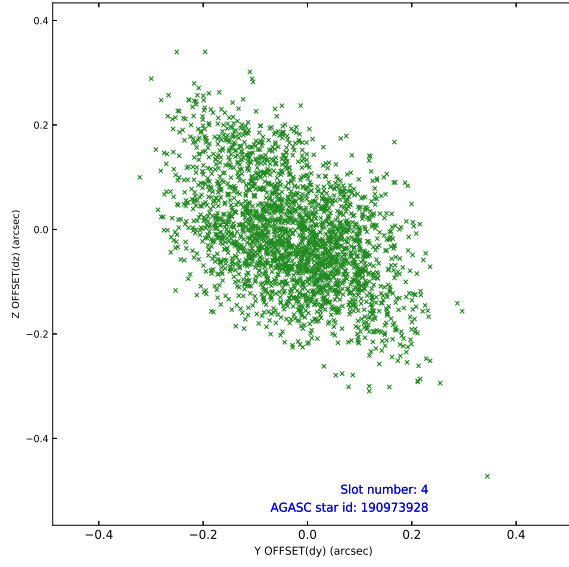
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1237	1.000	-0.089	-0.081	0.007	0.012	0.000000	0.000000	-759.42	-1730
1	FID		ACIS-S-4	7.21	1238	1.000	0.166	0.064	0.006	0.010	0.000000	0.000000	2153.52	176
2	FID		ACIS-S-5	7.23	1237	1.000	-0.107	0.025	0.009	0.015	0.000000	0.000000	-1810.79	171
3	GUIDE	used	190972752	10.30	2474	1.000	0.127	0.064	0.172	0.269	197.567107	21.351082	-57.80	1330
4	GUIDE	used	190973928	9.83	2472	1.000	-0.029	-0.019	0.158	0.263	197.904188	21.564389	-1185.67	2101
5	GUIDE	used	190979840	10.35	2470	1.000	0.118	-0.093	0.171	0.281	197.337465	20.846267	1915.17	1274
6	GUIDE	used	190974376	6.78	2476	1.000	-0.369	-0.010	0.056	0.107	197.884749	21.918670	-2347.93	1573
7	GUIDE	used	190977688	7.91	2475	1.000	0.151	0.050	0.071	0.124	197.454100	20.653773	2417.73	1892

2.4 Star Slots

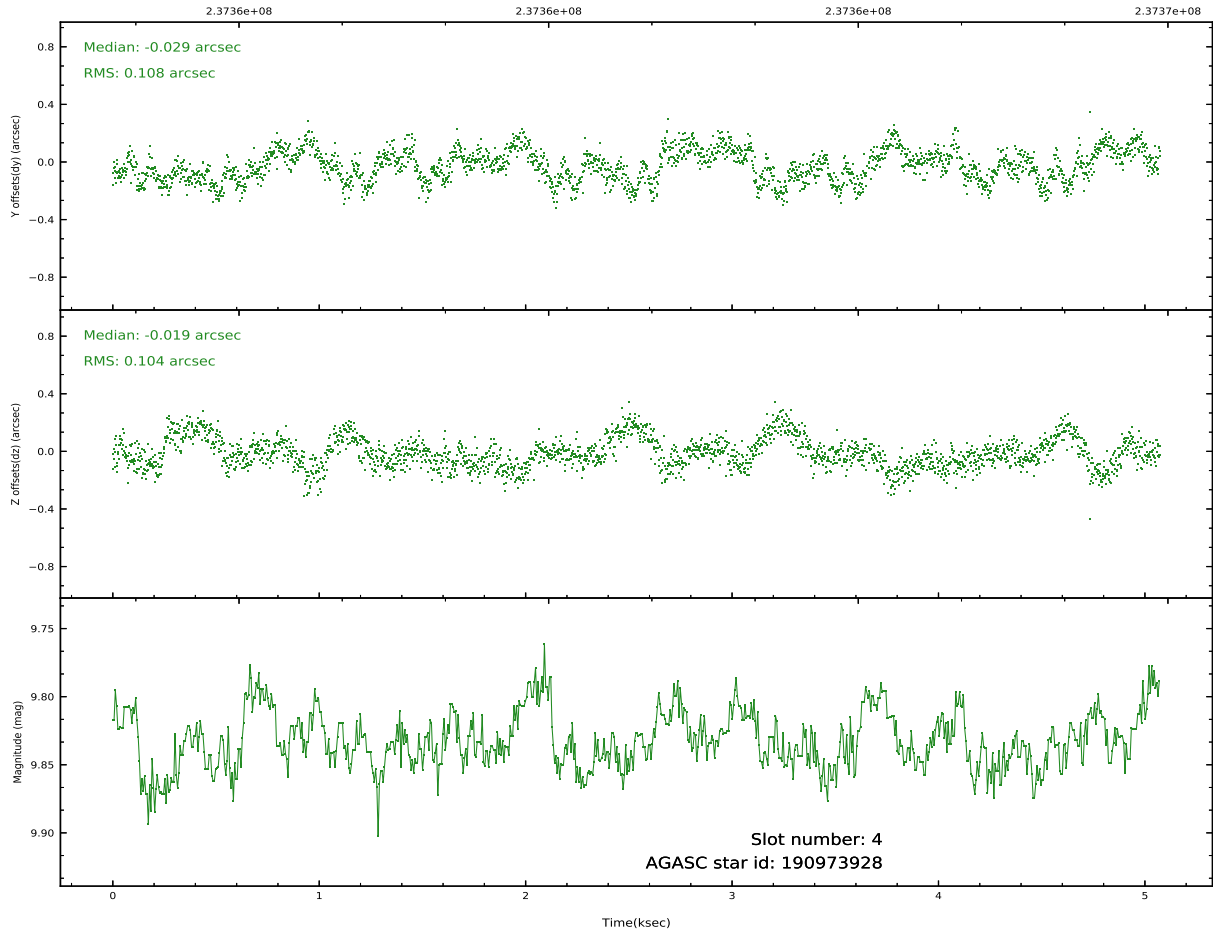
2.4.1 Slot 3



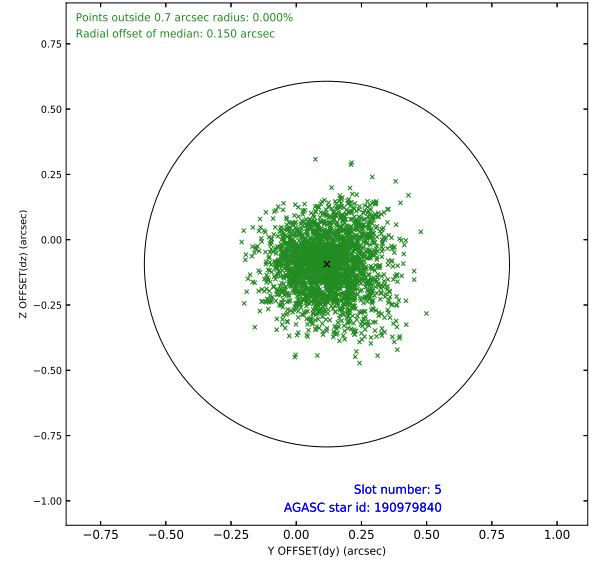
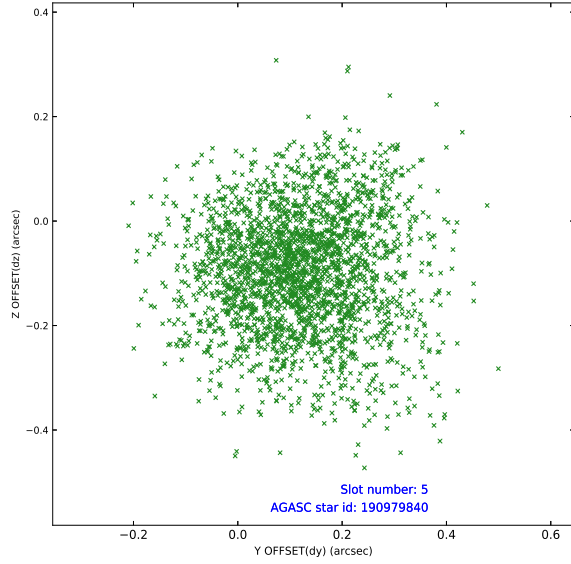
2.4.2 Slot 4



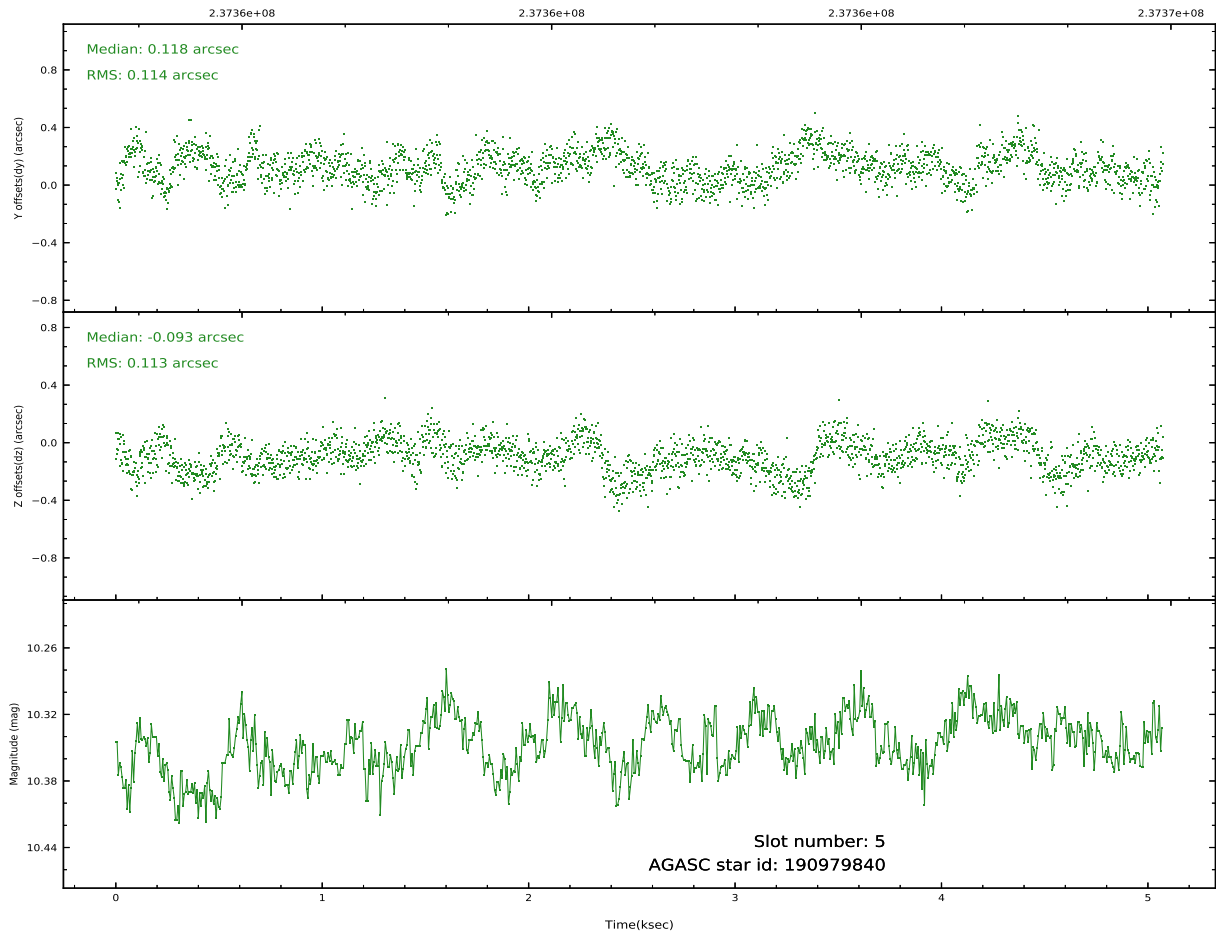
Time (s)



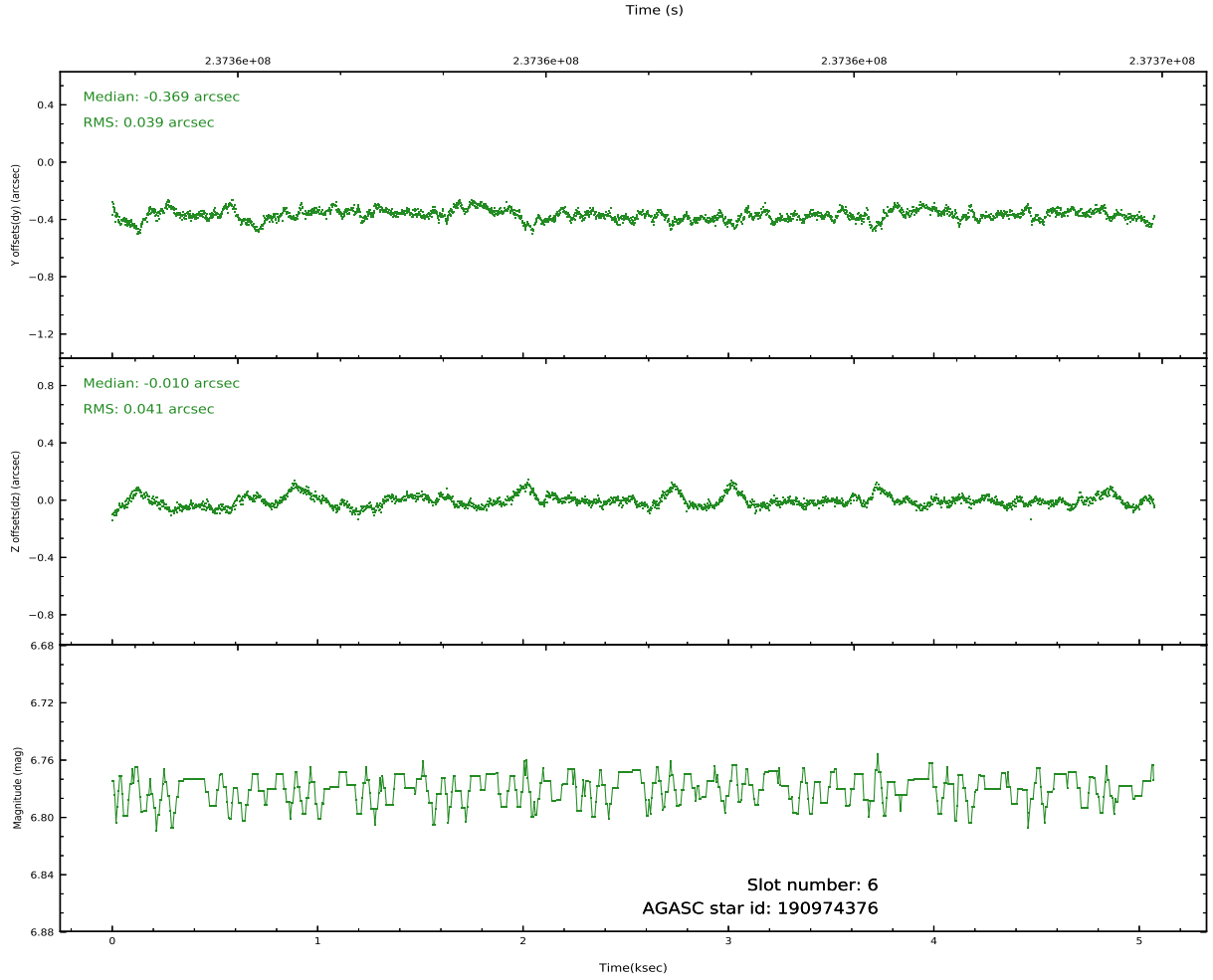
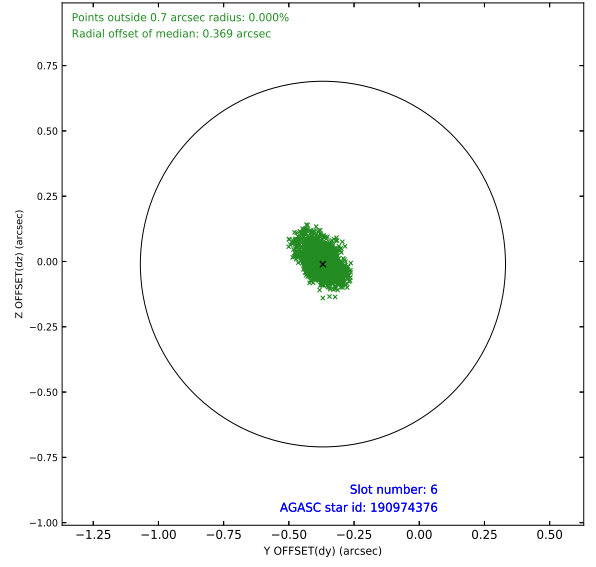
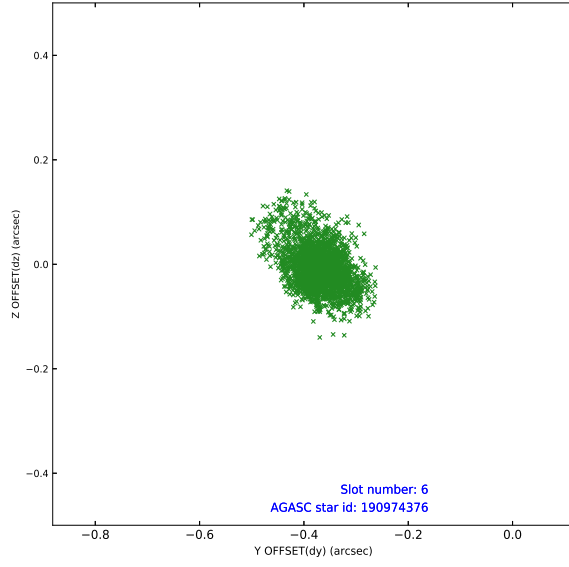
2.4.3 Slot 5



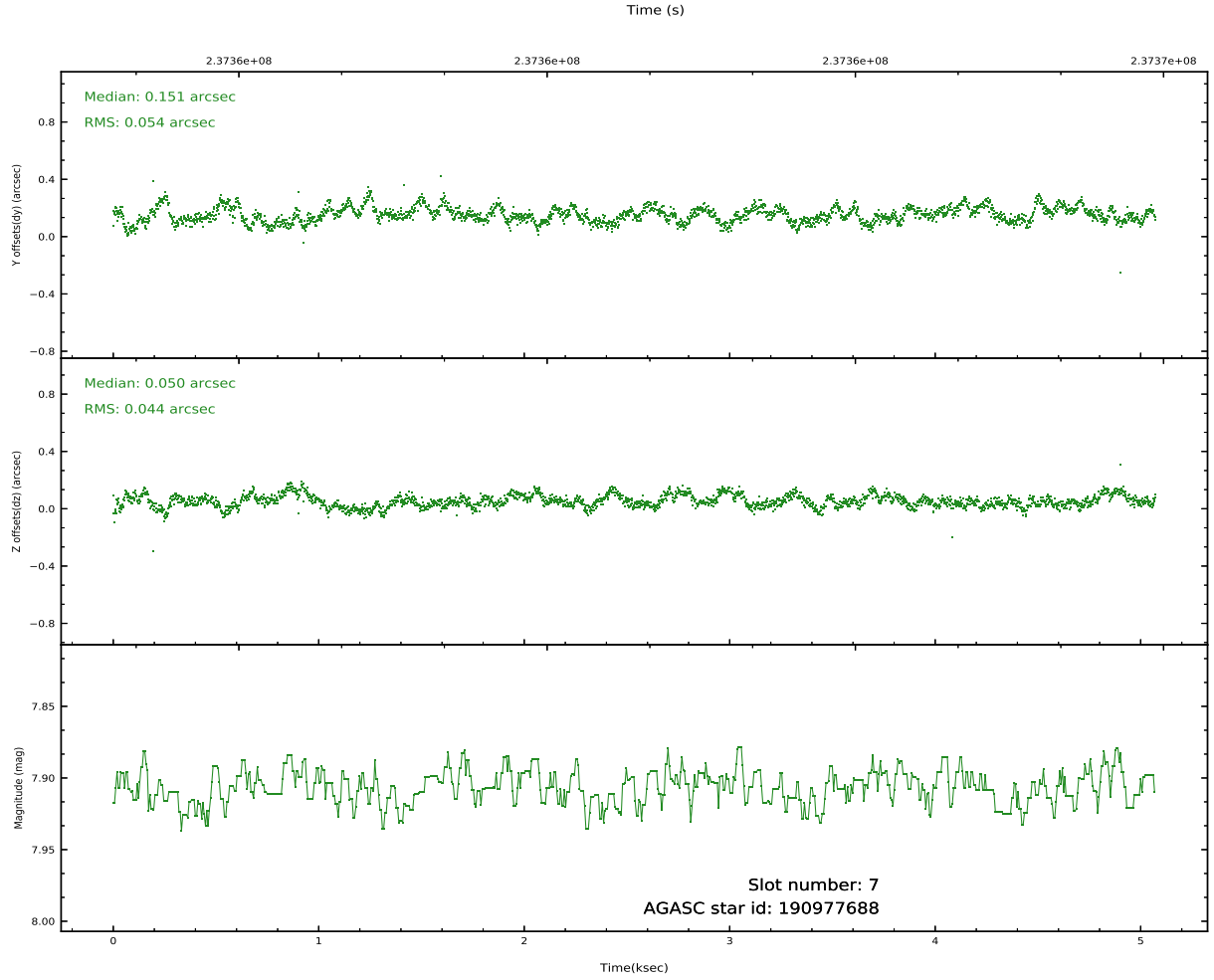
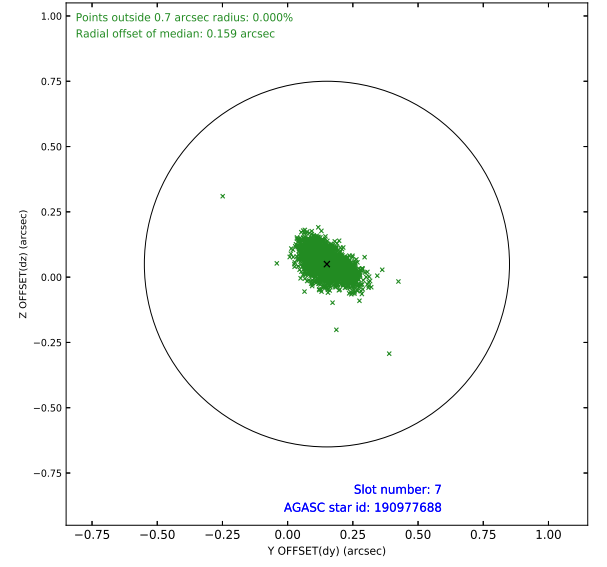
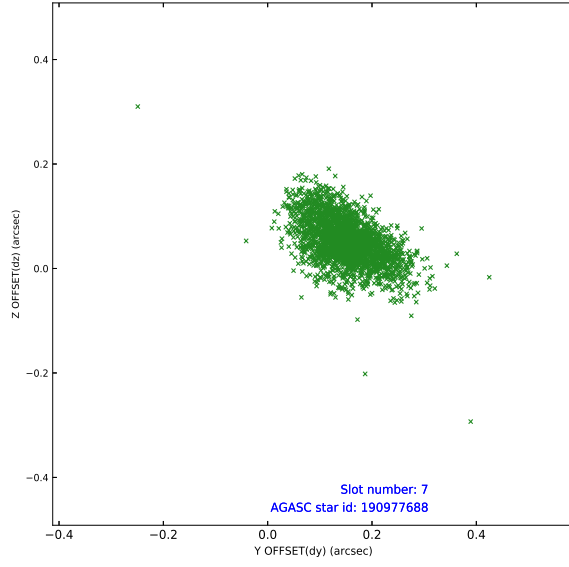
Time (s)



2.4.4 Slot 6

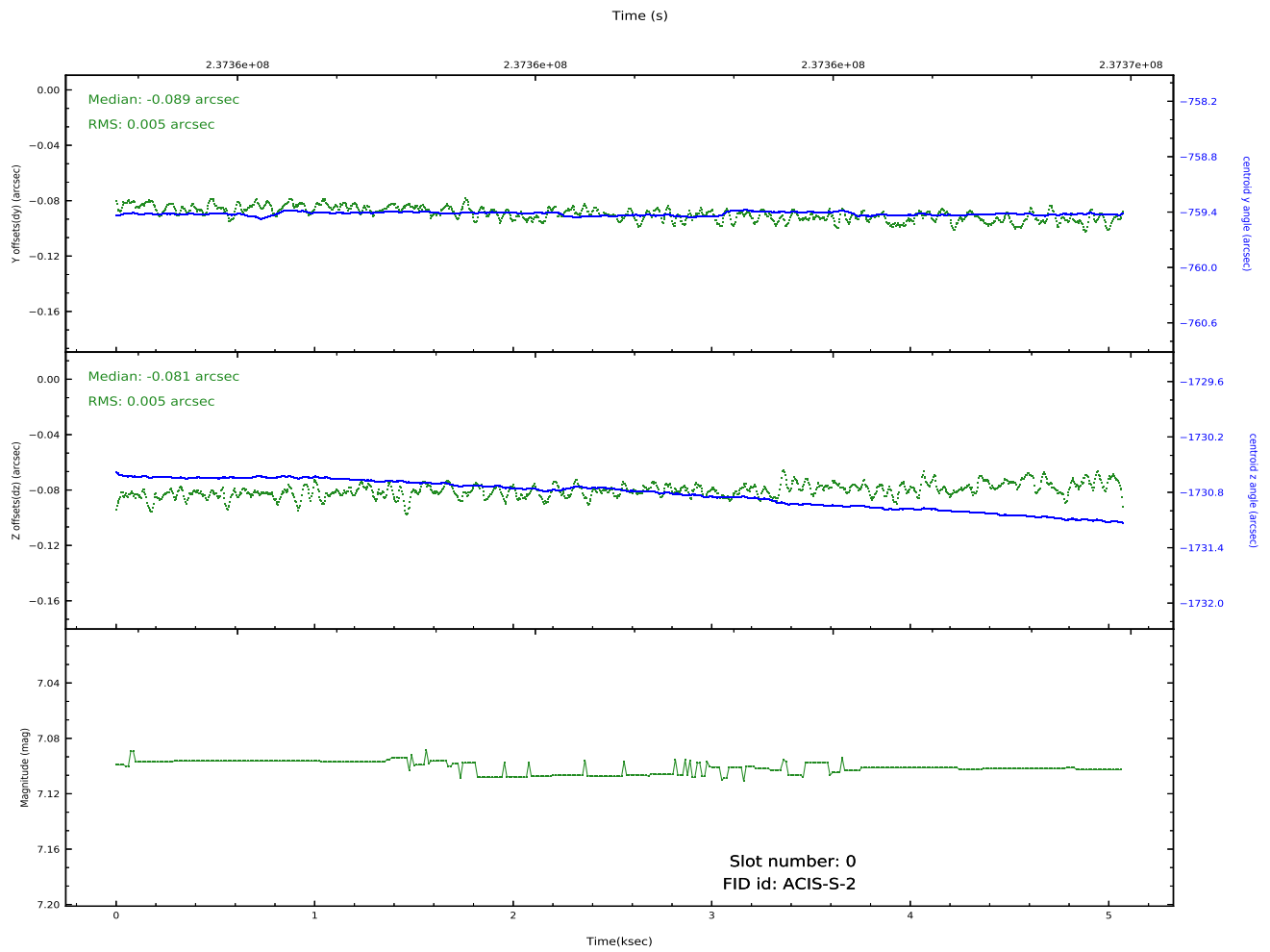
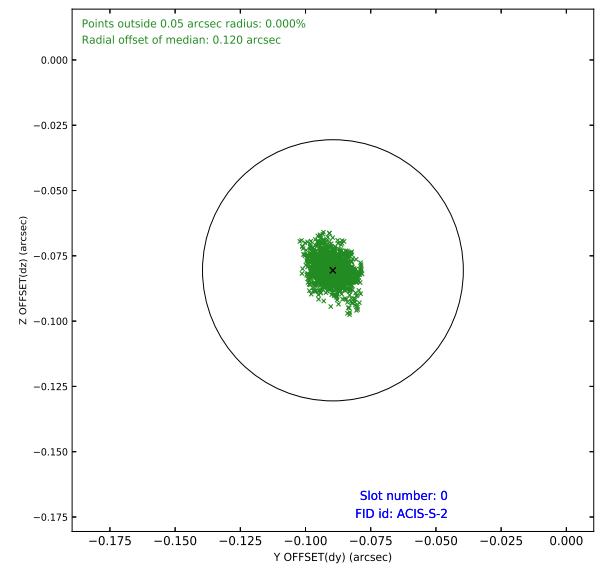
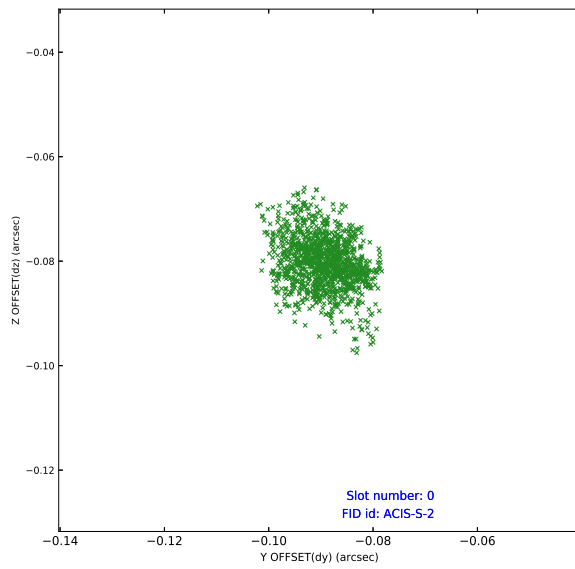


2.4.5 Slot 7

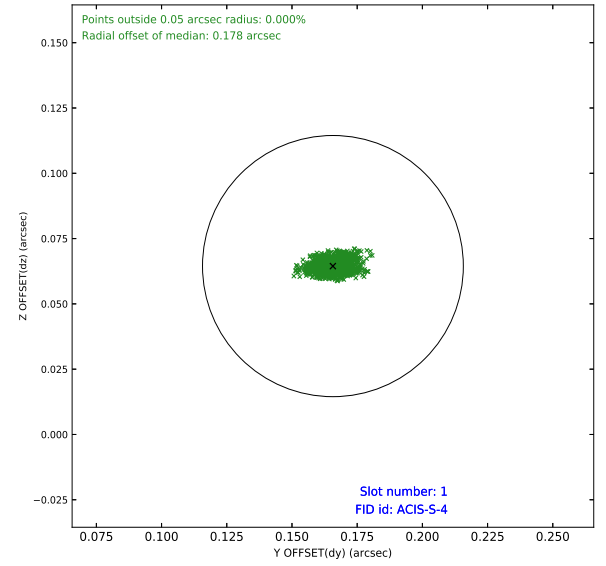
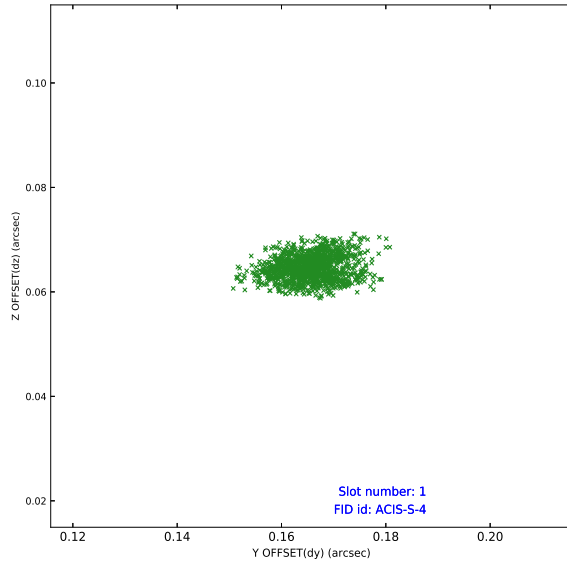


2.5 FID Slots

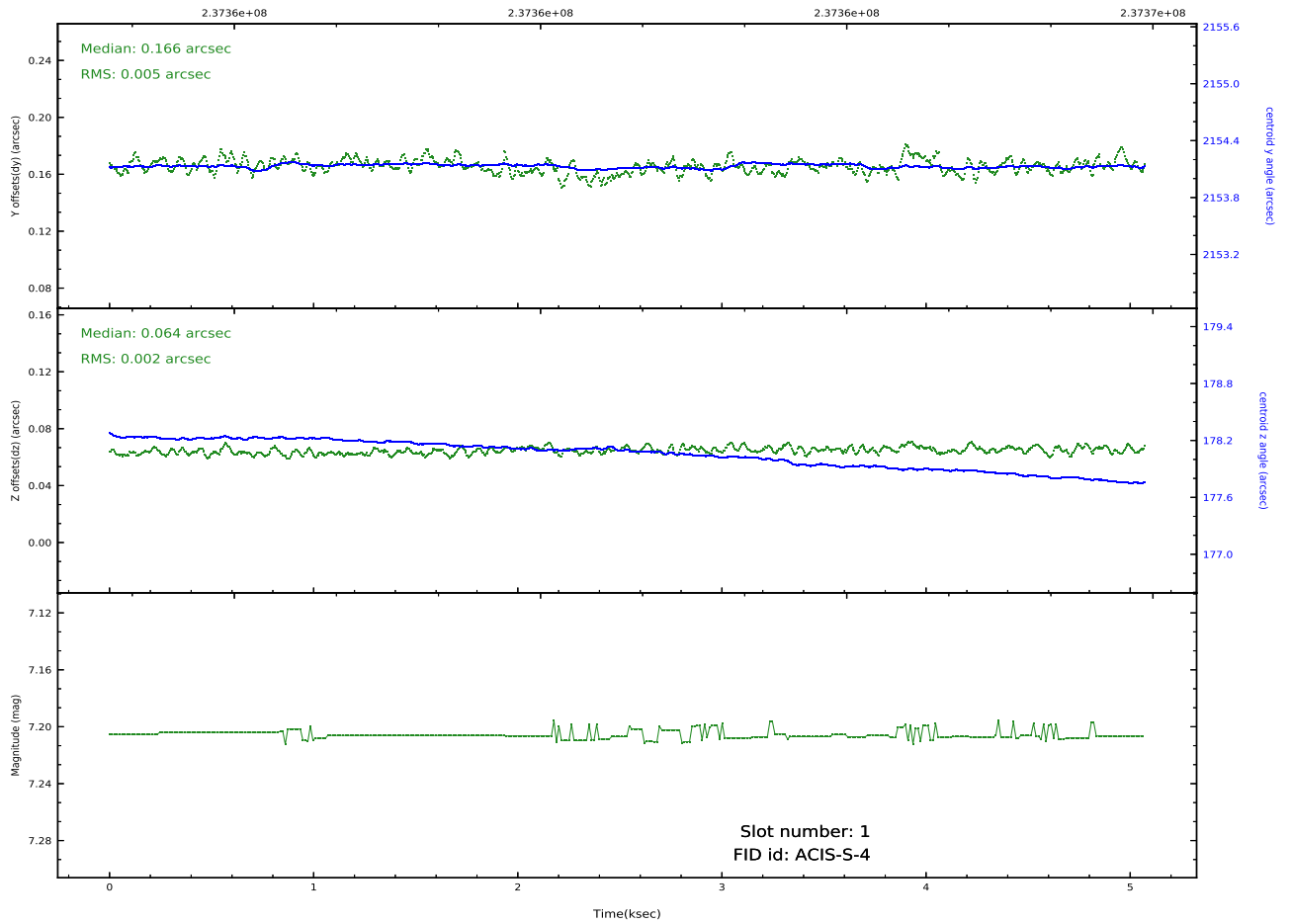
2.5.1 Slot 0



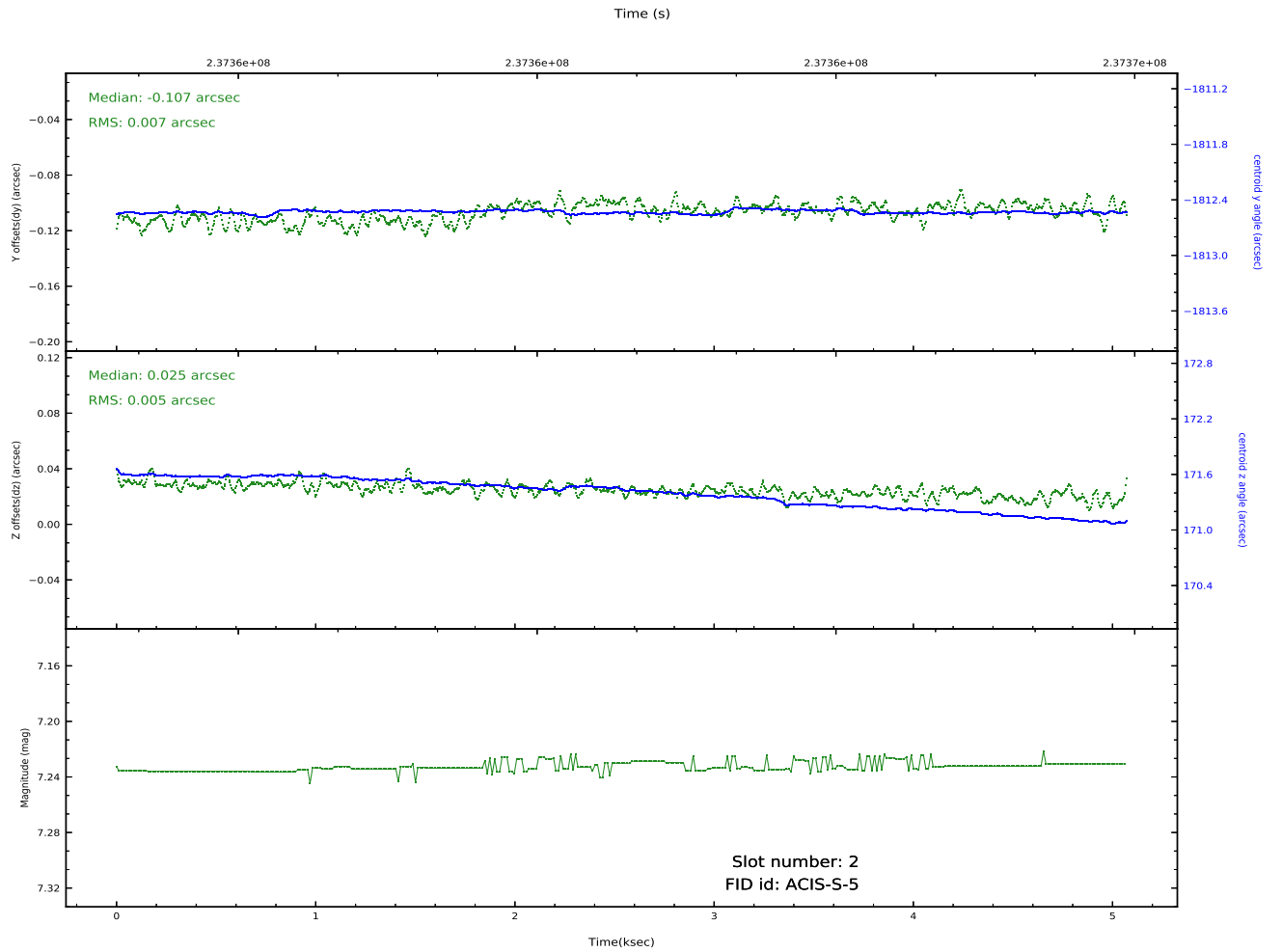
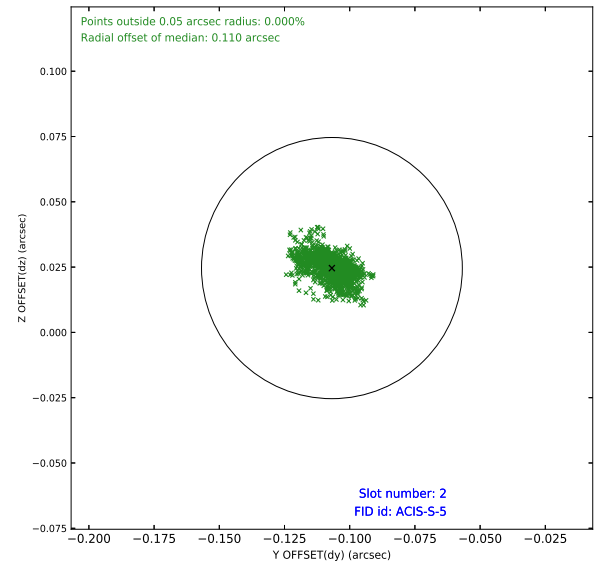
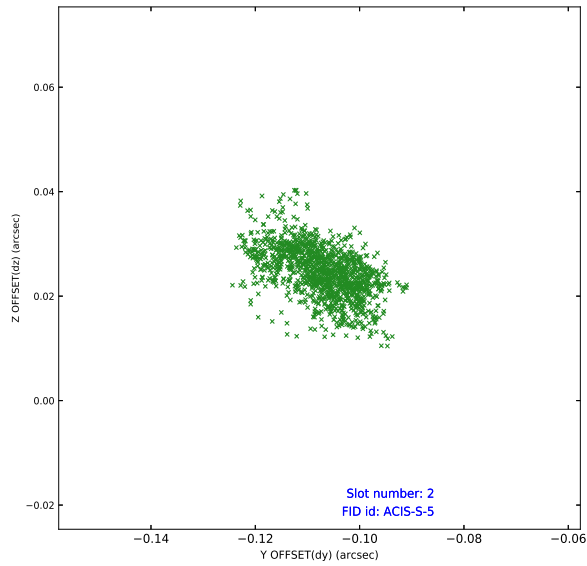
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2020.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.06825

A.2 Comments