

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6570 - L2 Version 3
Chandra X-Ray Center

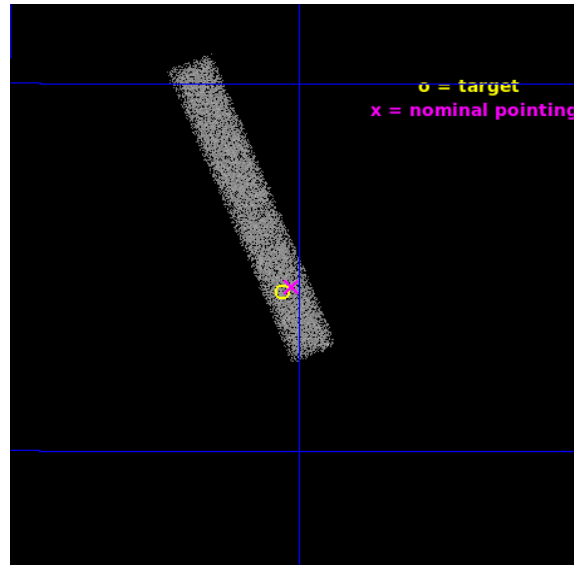
L2 Processing Date : Oct 11 2020

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1 Front

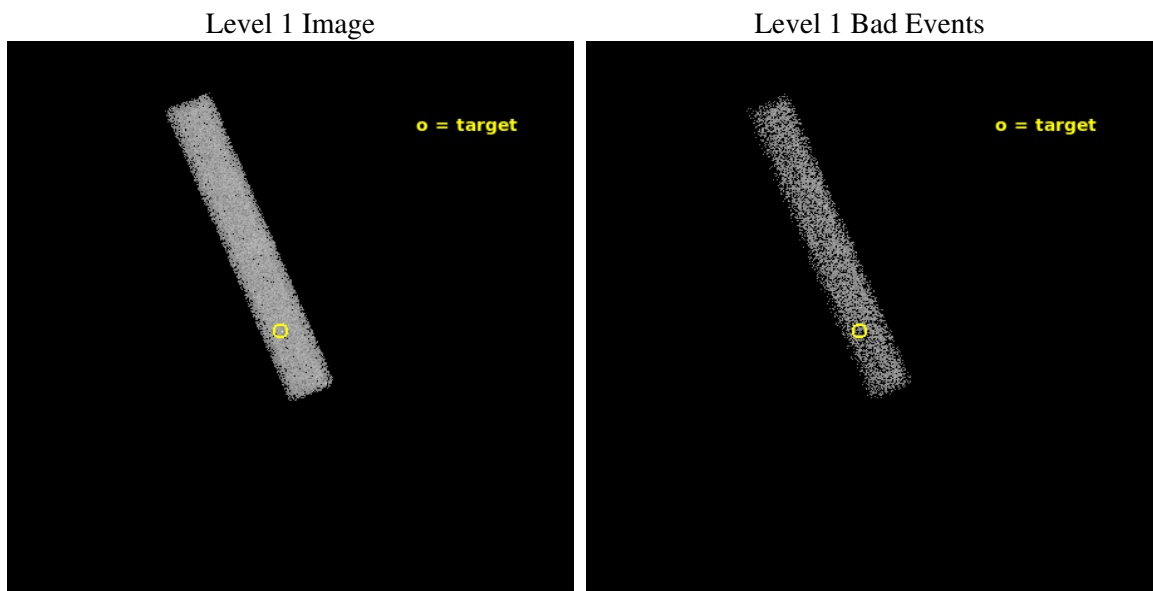
seq_num	400475	Sequence number
obs_id	6570	Observation id
title	The msec pulsar IGR J00291+5934 in quiescence	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	IGR J00291+5934	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.262917	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.2554622279988	Nominal RA [deg]
dec_nom	59.574523028088	Nominal Dec [deg]
roll_nom	247.5618855232	Nominal Roll [deg]
revision	3	Processing version of data
ontime	27202.800405324	Sum of GTIs [s]
livetime	24671.504086091	Livetime [s]
ontime7	27202.800405324	Sum of GTIs [s]
l2events	17248	Number of level 2 events



2 OBI

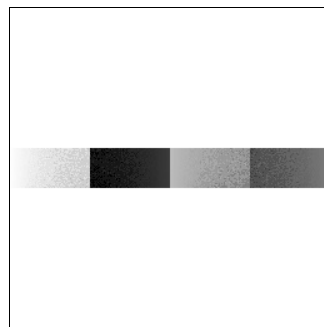
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27019.634000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	27202.800405324	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	27202.800405324	Sum of GTIs [s]
date	2020-10-11T16:27:02	Date and time of file creation	l1events	40345	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

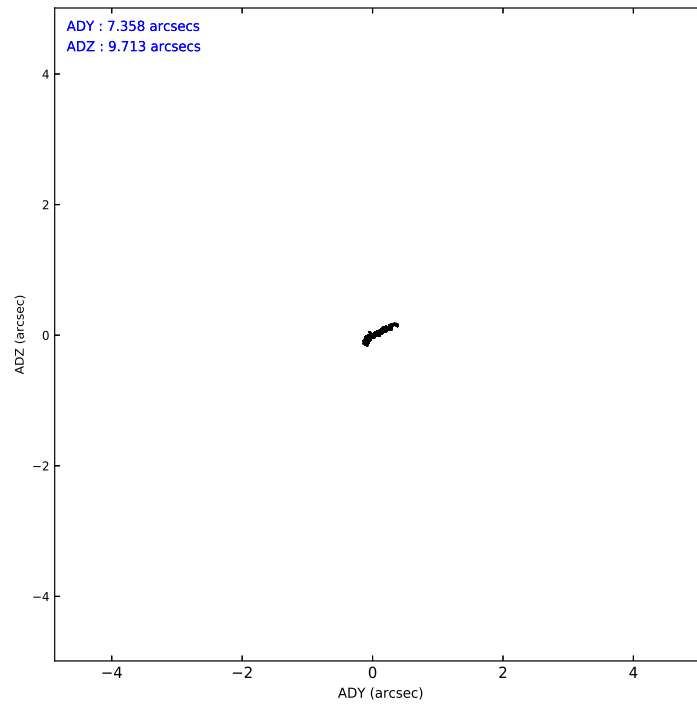
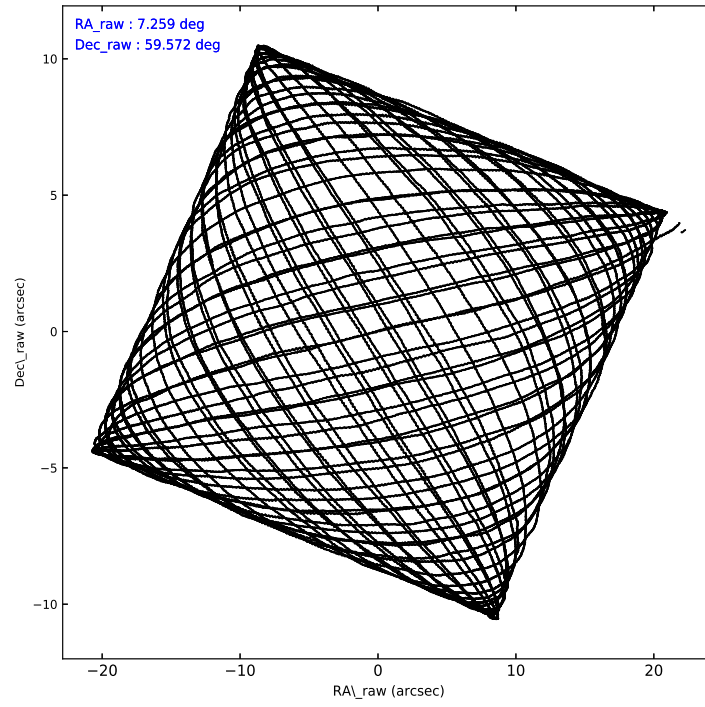
	ccd 7
level 1 events	40345
rejected events	22372
rejected %	55%

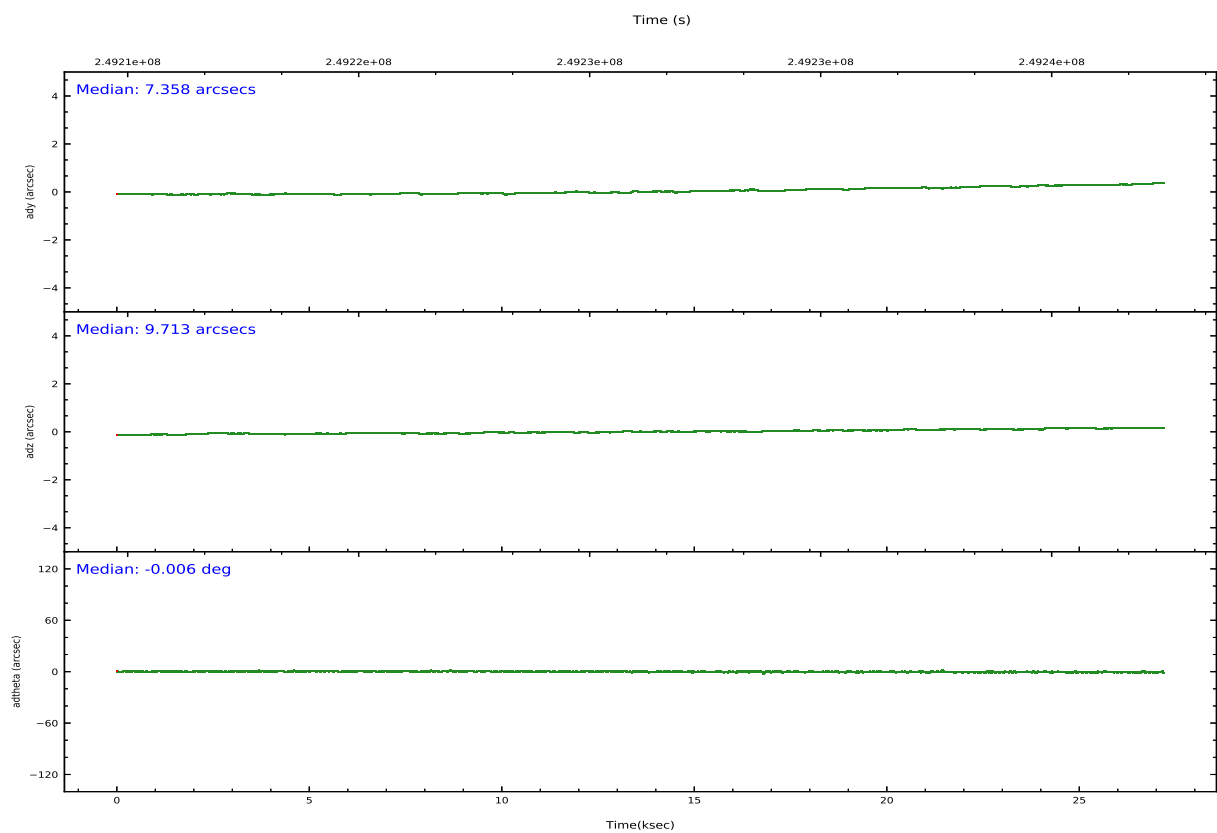
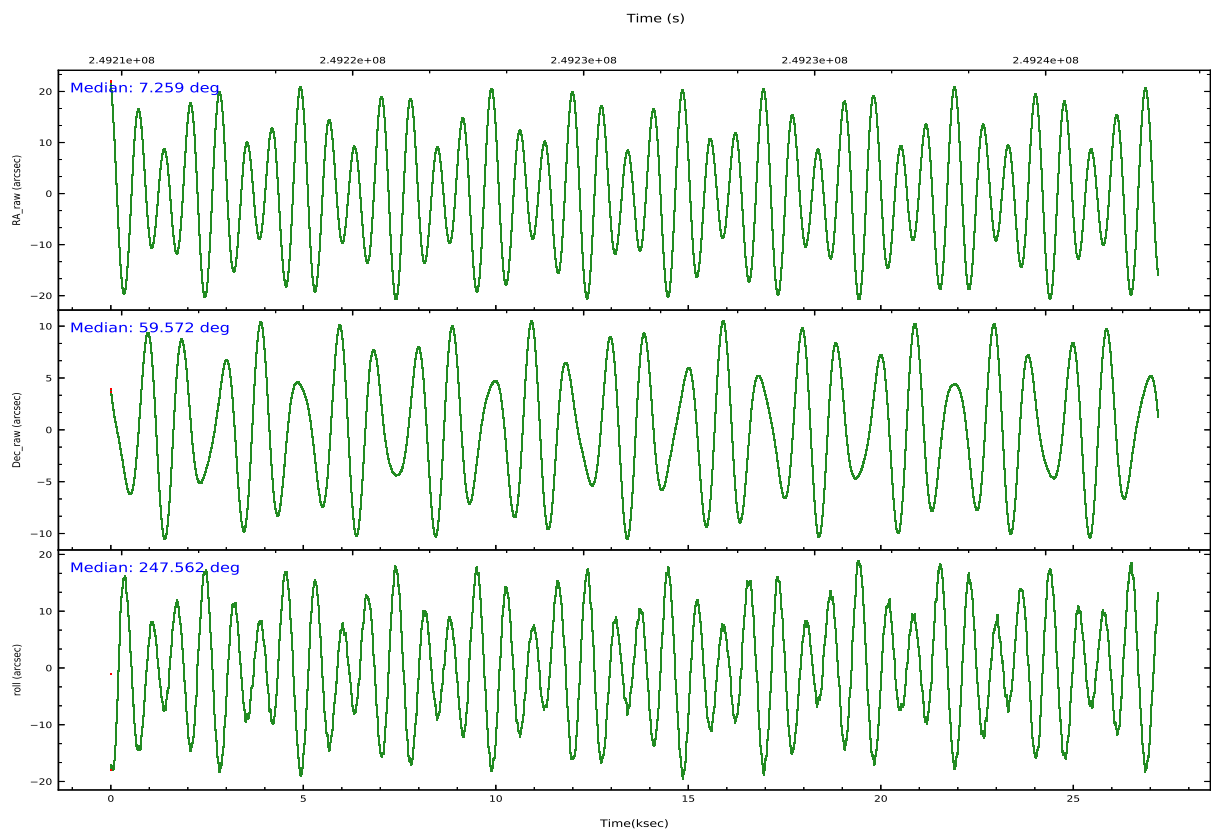
	ccd 7
grade 0 events	1813
	4%
grade 1 events	51
	0%
grade 2 events	3396
	8%
grade 3 events	2310
	5%
grade 4 events	2316
	5%
grade 5 events	3748
	9%
grade 6 events	8458
	20%
grade 7 events	18253
	45%

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	7.251116	7.2554622279988	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.598385	59.574523028088	Subarray start row	449	449
[deg] Pointing Roll	247.410795	247.5618855232	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249213903.184000	249213048.12821			
Observation start date	2005-11-24T10:03:59	2005-11-24T09:50:48			
[s] Observation end time (MET)	249240923.184000	249241149.01701			
Observation end date	2005-11-24T17:34:19	2005-11-24T17:39:09			
Read mode	TIMED	TIMED			

2.3 Aspect



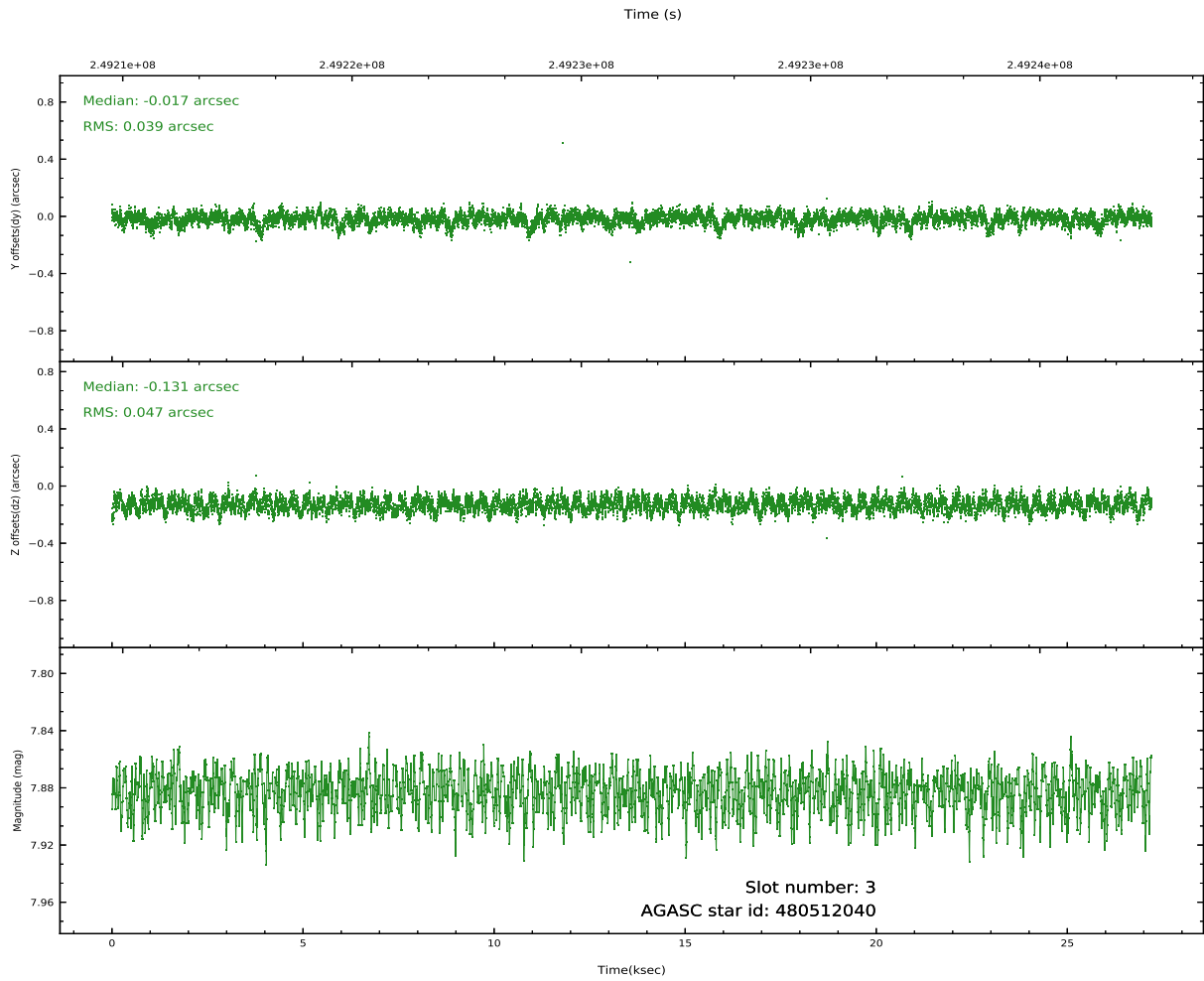
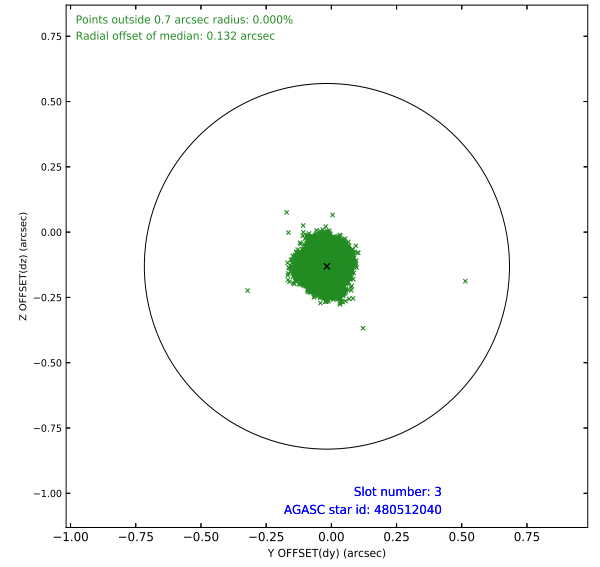
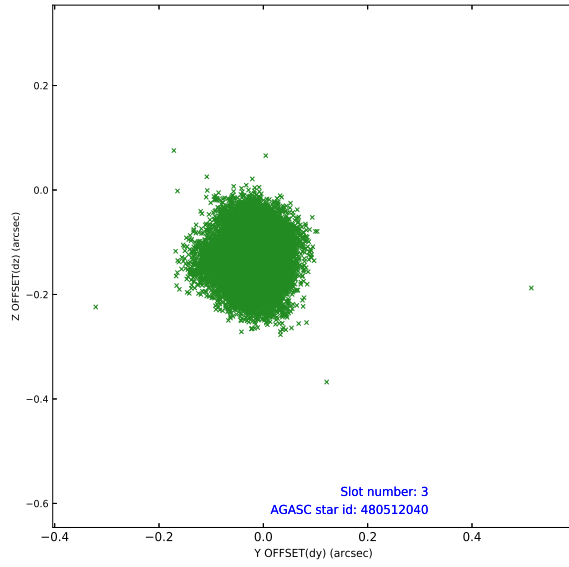


Slot Statistics

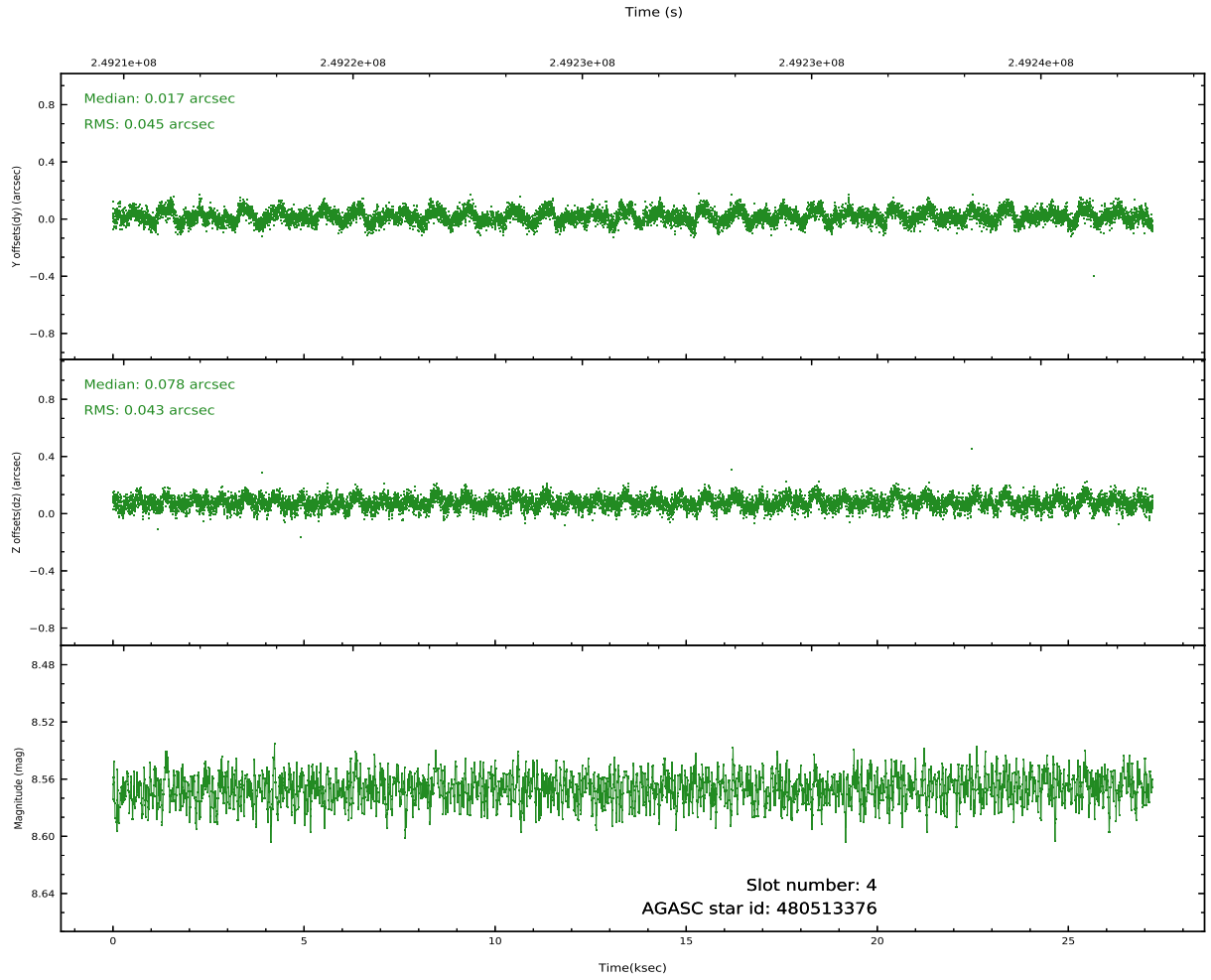
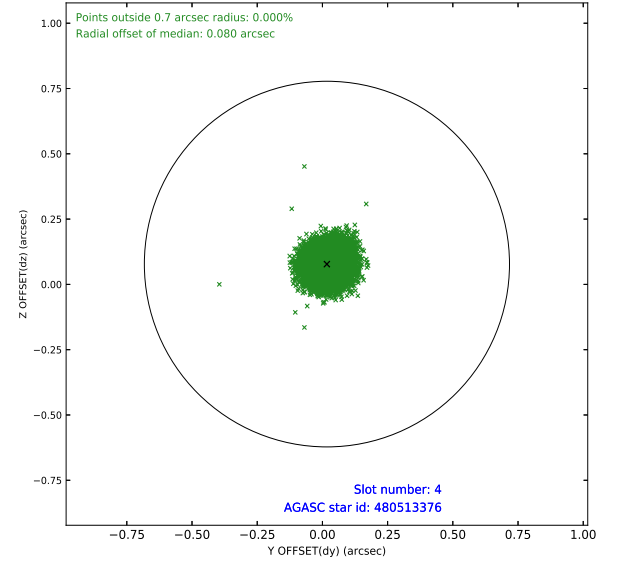
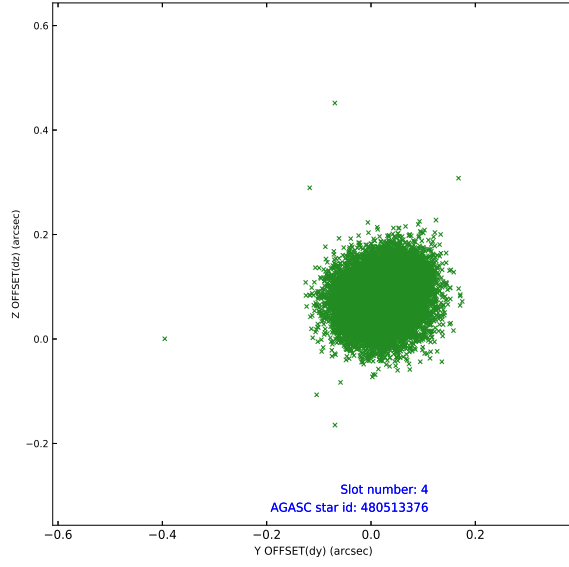
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	6636	1.000	0.059	-0.061	0.009	0.015	0.000000	0.000000	935.95	-1726
1	FID		ACIS-S-5	7.24	6636	1.000	-0.126	0.029	0.009	0.016	0.000000	0.000000	-1813.20	170
2	FID		ACIS-S-6	7.36	6636	1.000	0.047	0.044	0.010	0.017	0.000000	0.000000	401.36	815
3	GUIDE	used	480512040	7.88	13270	1.000	-0.017	-0.131	0.066	0.103	7.309429	59.469475	387.80	276
4	GUIDE	used	480513376	8.57	13267	1.000	0.017	0.078	0.067	0.106	7.508901	59.105688	1454.21	1121
5	GUIDE	used	526280320	8.99	13259	1.000	0.104	-0.024	0.138	0.214	6.438381	60.009492	-812.26	-1922
6	GUIDE	used	526273864	8.95	13266	1.000	-0.077	-0.062	0.094	0.145	6.758235	60.402814	-2340.84	-1922
7	GUIDE	used	526276608	8.60	13264	1.000	-0.046	0.145	0.068	0.109	7.524994	60.151139	-2026.58	-311

2.4 Star Slots

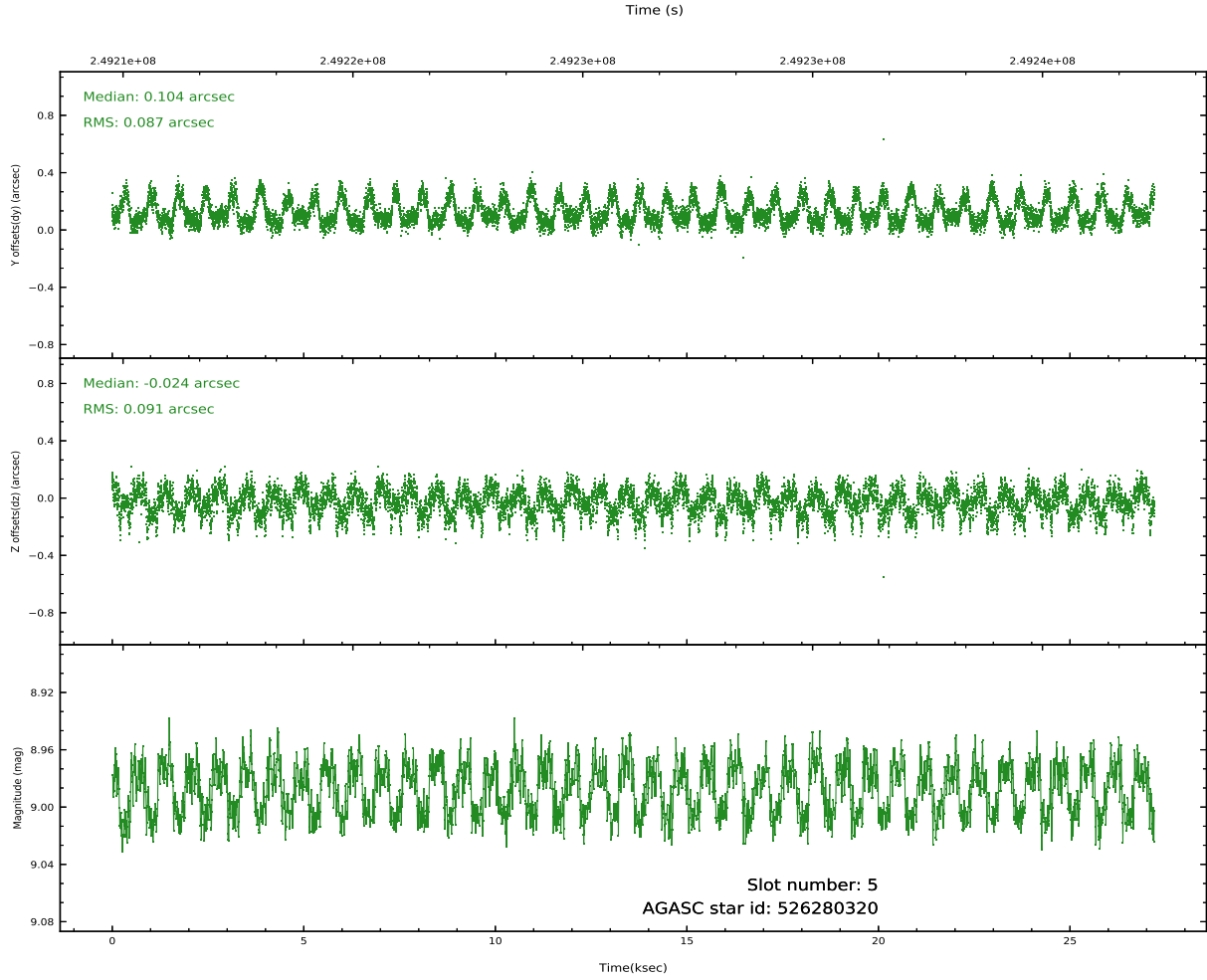
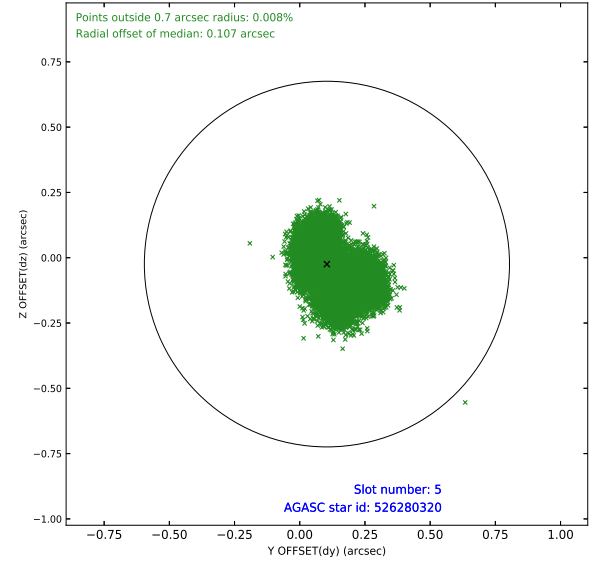
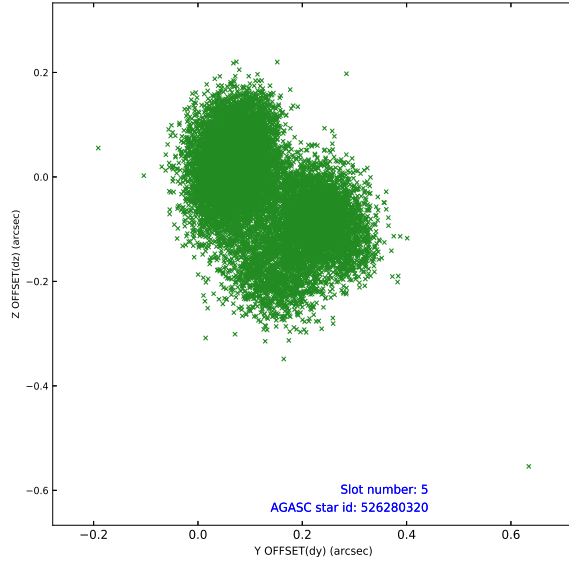
2.4.1 Slot 3



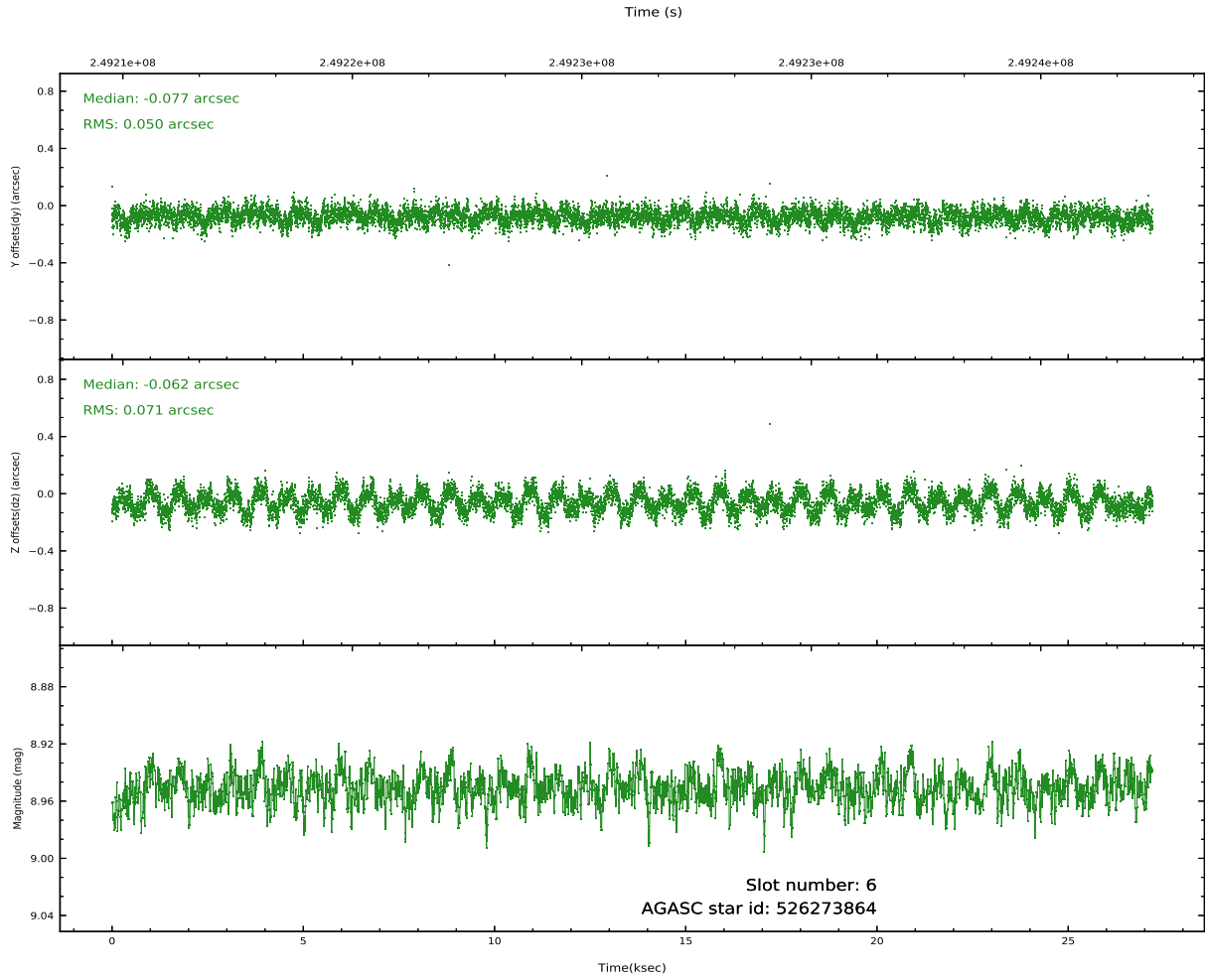
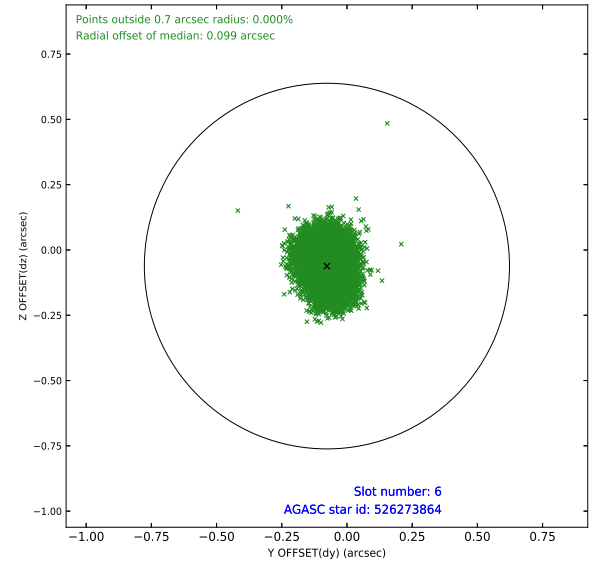
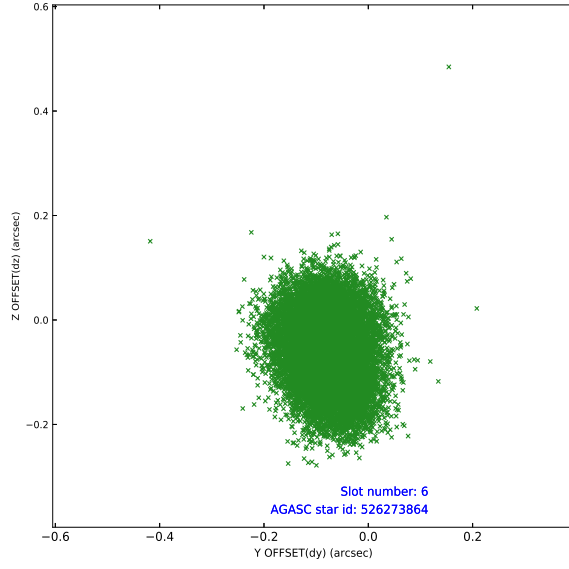
2.4.2 Slot 4



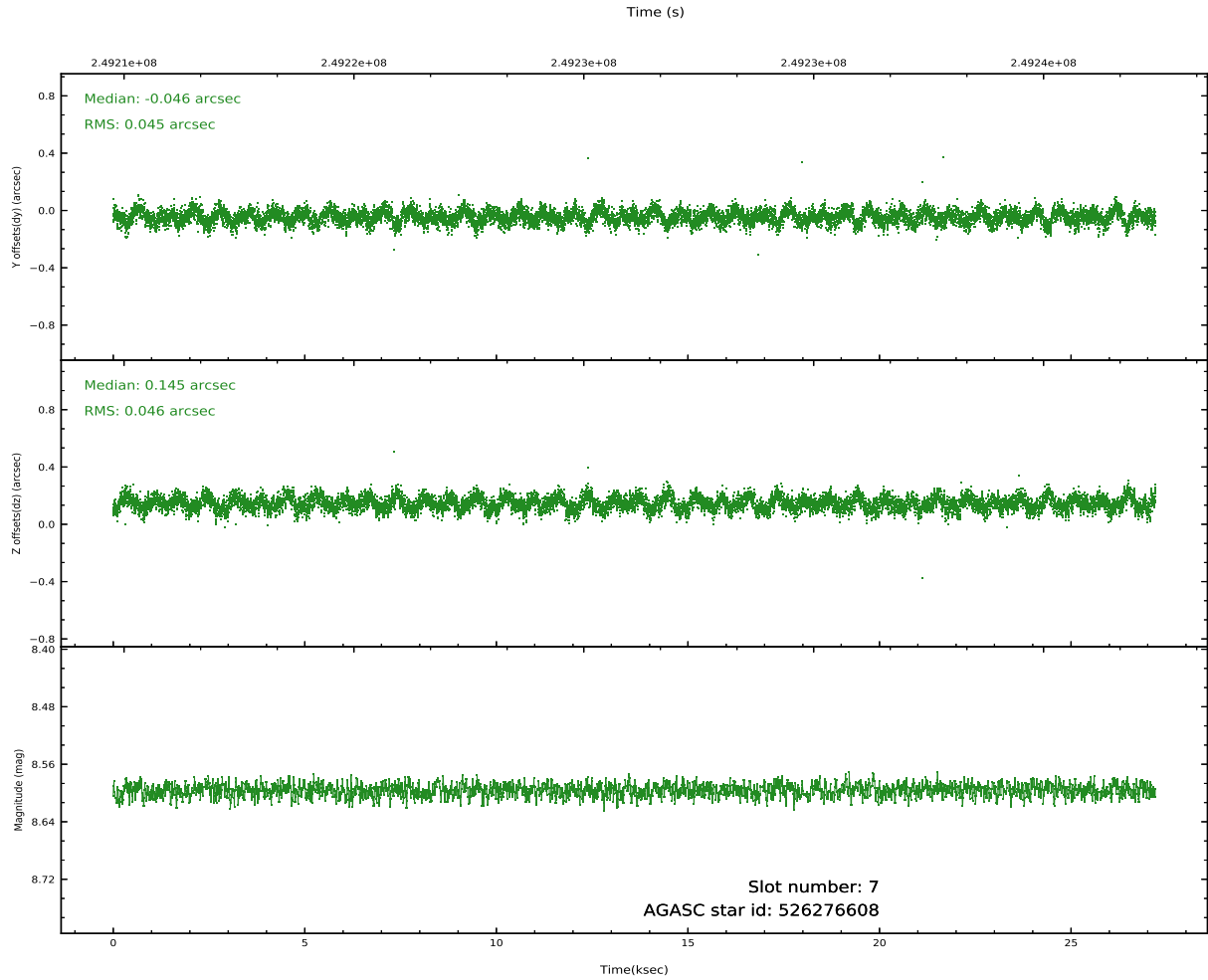
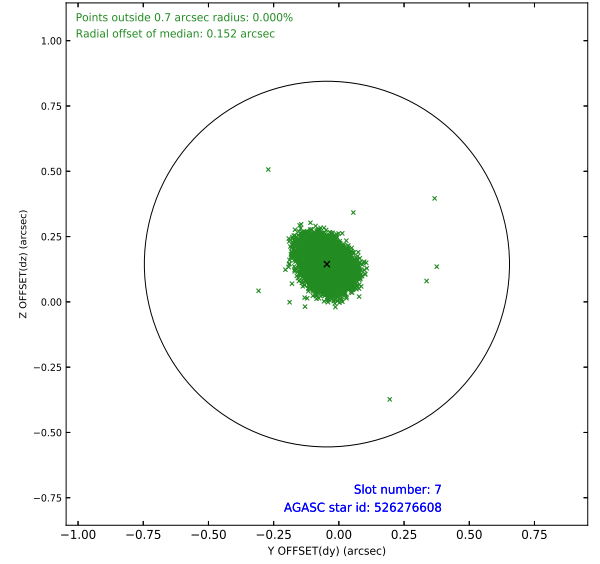
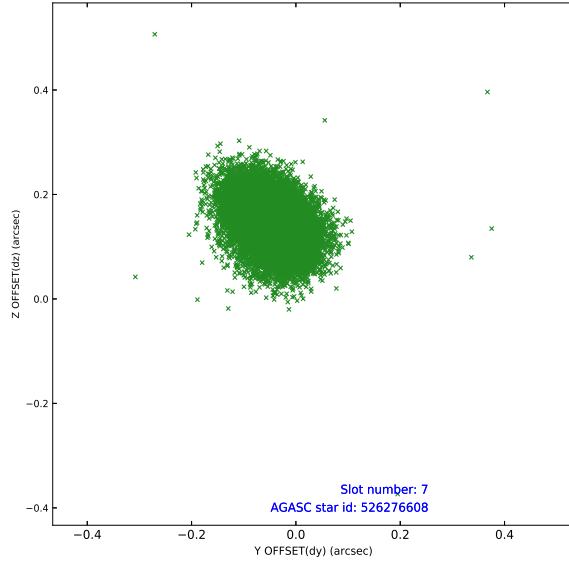
2.4.3 Slot 5



2.4.4 Slot 6

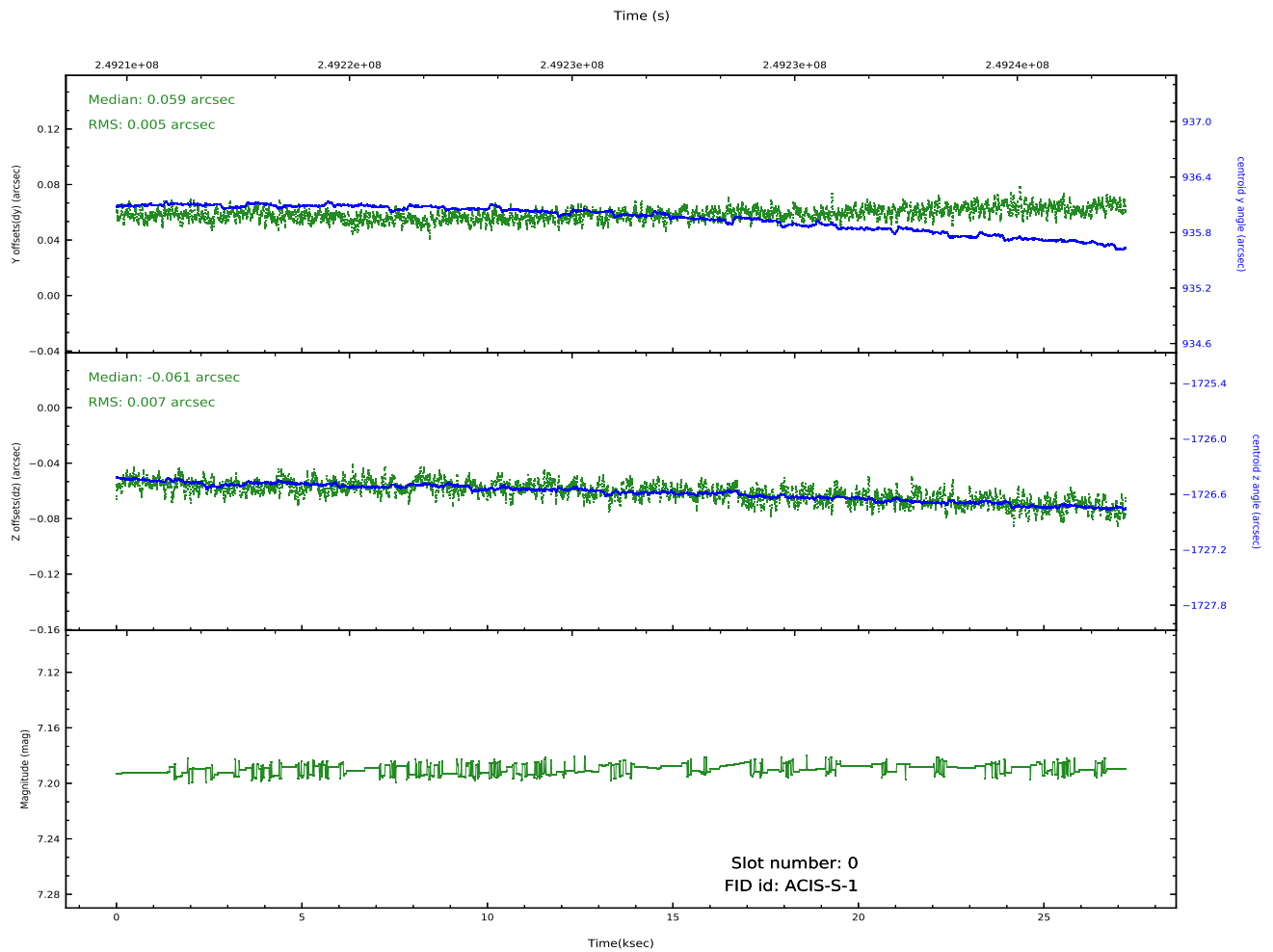
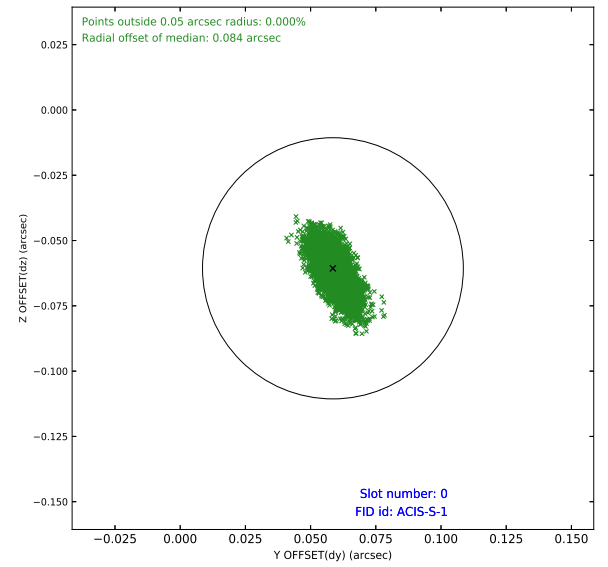
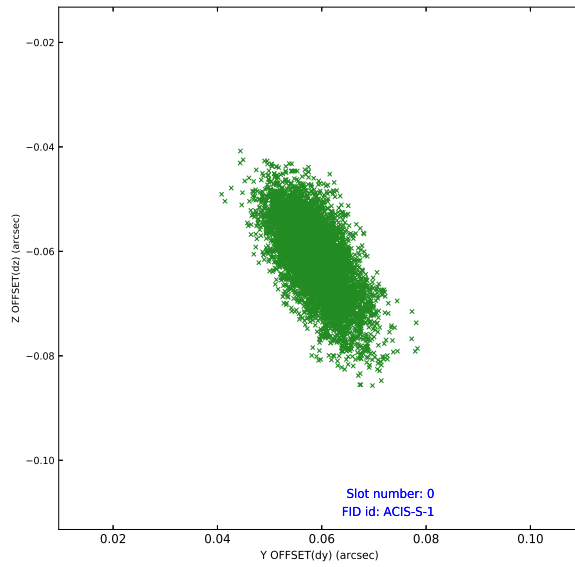


2.4.5 Slot 7

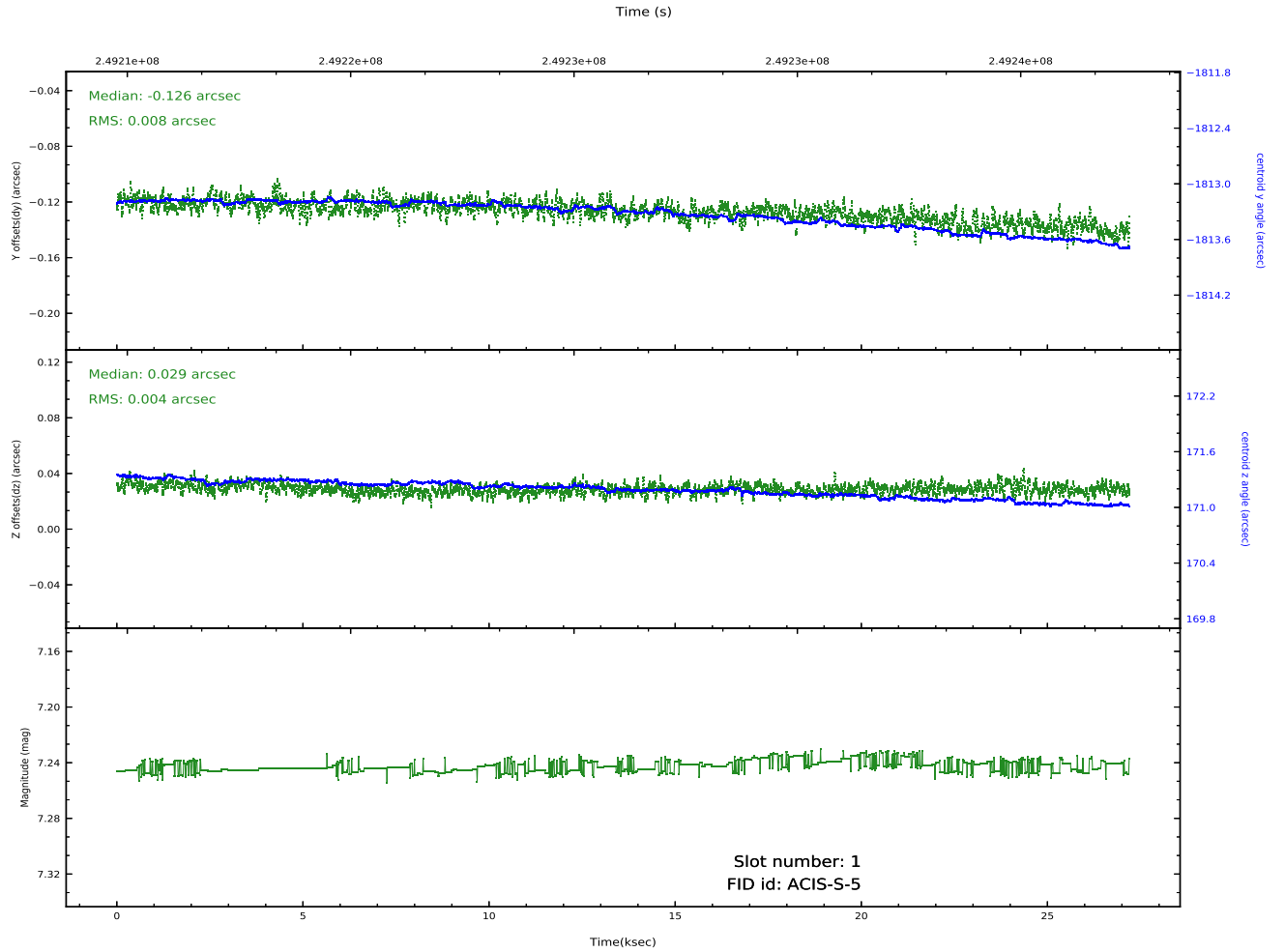
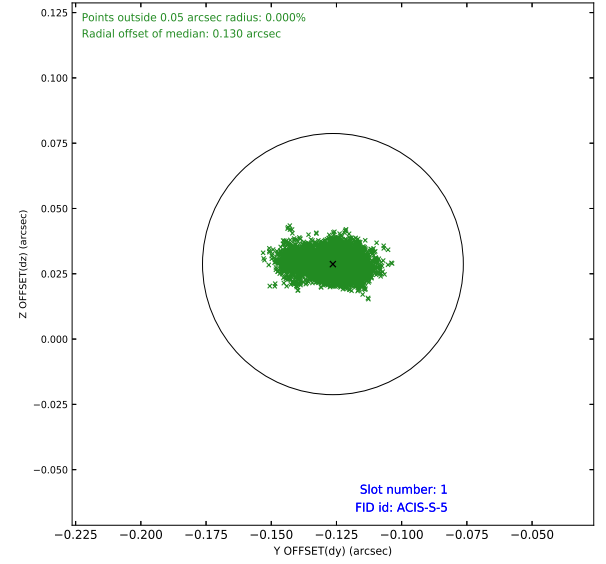
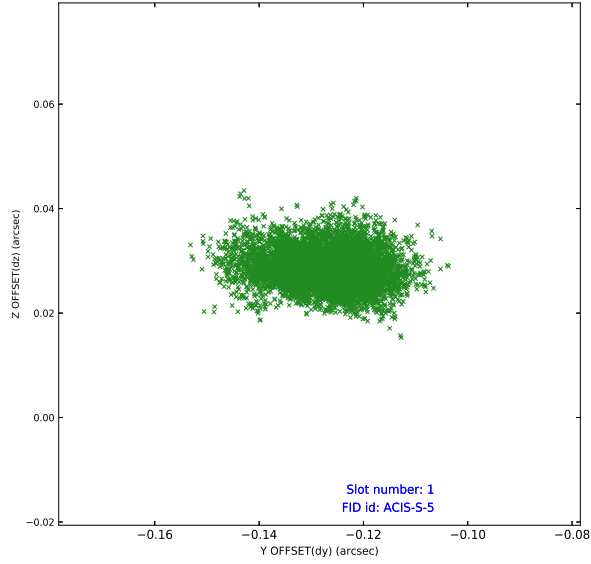


2.5 FID Slots

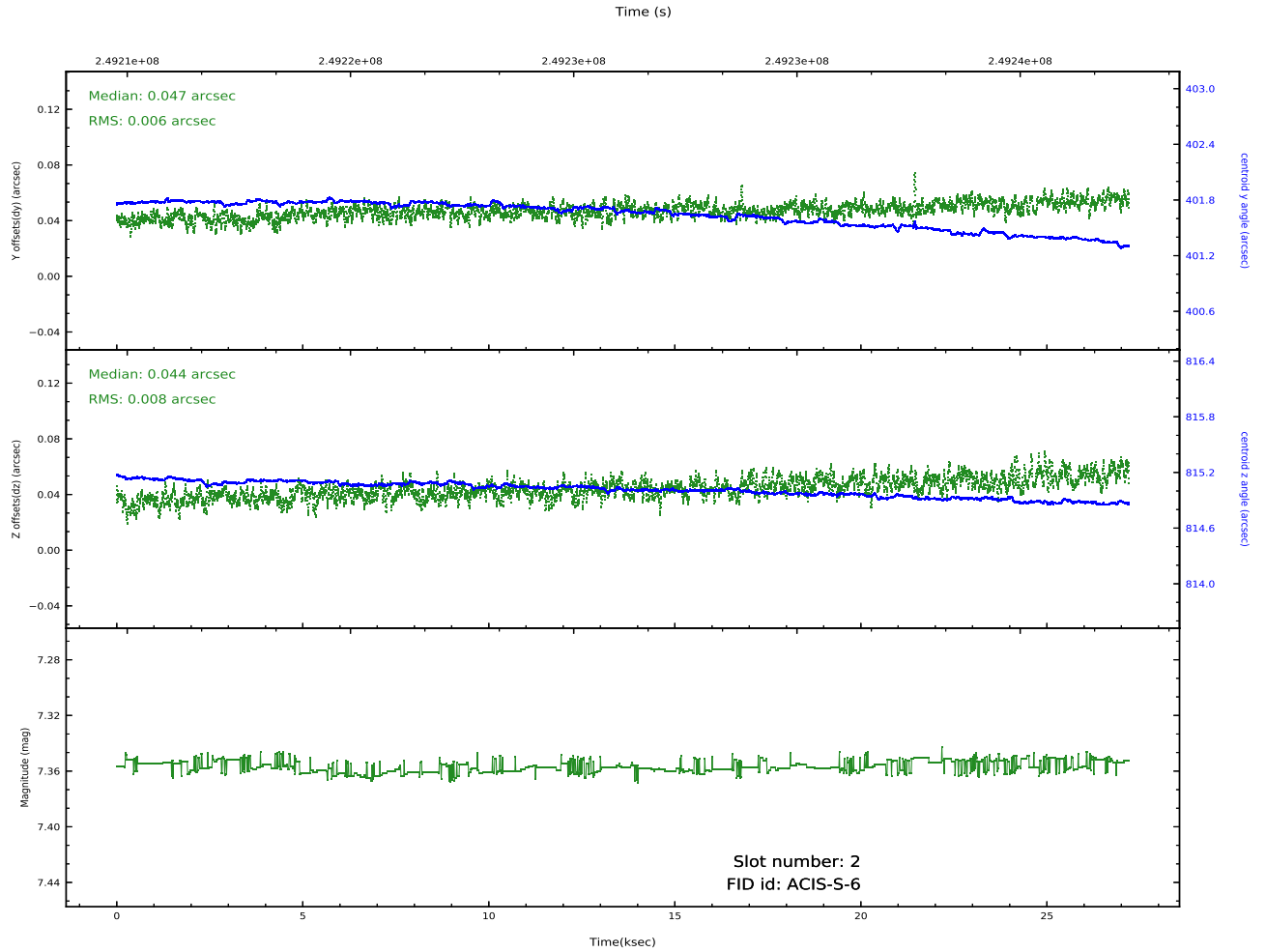
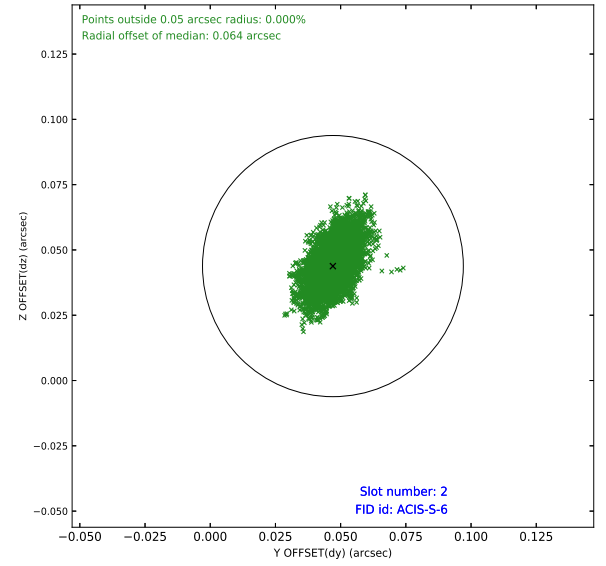
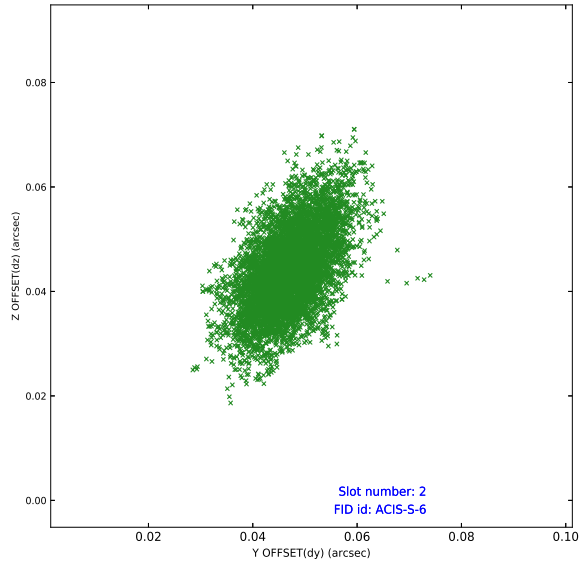
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.2028

A.2 Comments