

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5528 - L2 Version 5
Chandra X-Ray Center

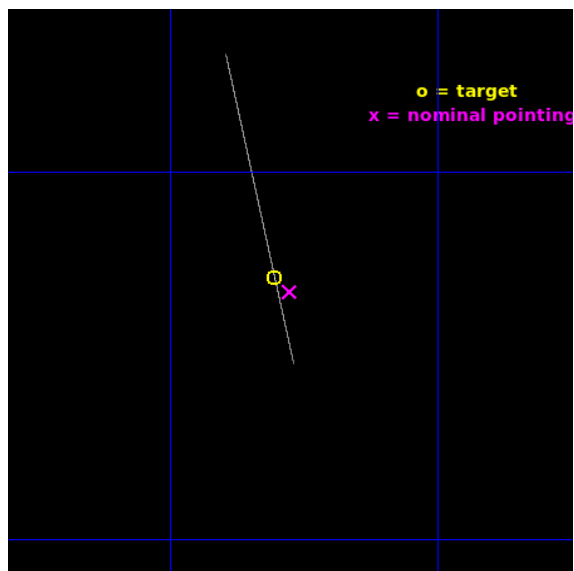
L2 Processing Date : Oct 9 2020

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1 Front

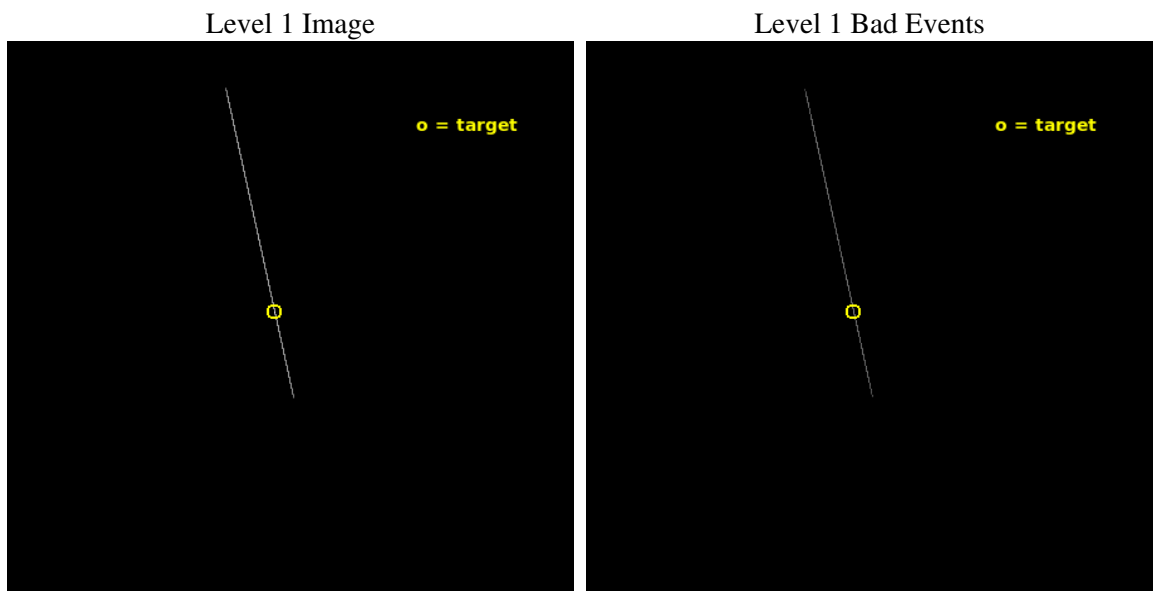
seq_num	500522	Sequence number
obs_id	5528	Observation id
title	Timing the Enigmatic Nearby Neutron Star RX J1308.8+2127	Proposal
observer	Prof. David Kaplan	Principal investigator
object	RX J1308.8+2127	Source name
ra_targ	197.20125	Observer's specified target RA [deg]
dec_targ	21.451889	Observer's specified target Dec [deg]
ra_nom	197.1939892075	Nominal RA [deg]
dec_nom	21.445577361784	Nominal Dec [deg]
roll_nom	258.0899290885	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5185.75	Sum of GTIs [s]
livetime	5165.4931640625	Livetime [s]
ontime7	5185.75	Sum of GTIs [s]
l2events	24915	Number of level 2 events



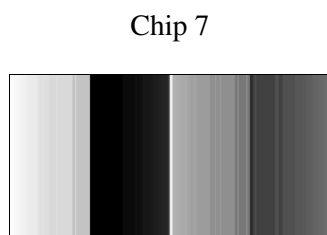
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5185.75	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	5185.75	Sum of GTIs [s]
date	2020-10-09T08:56:53	Date and time of file creation	l1events	34039	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

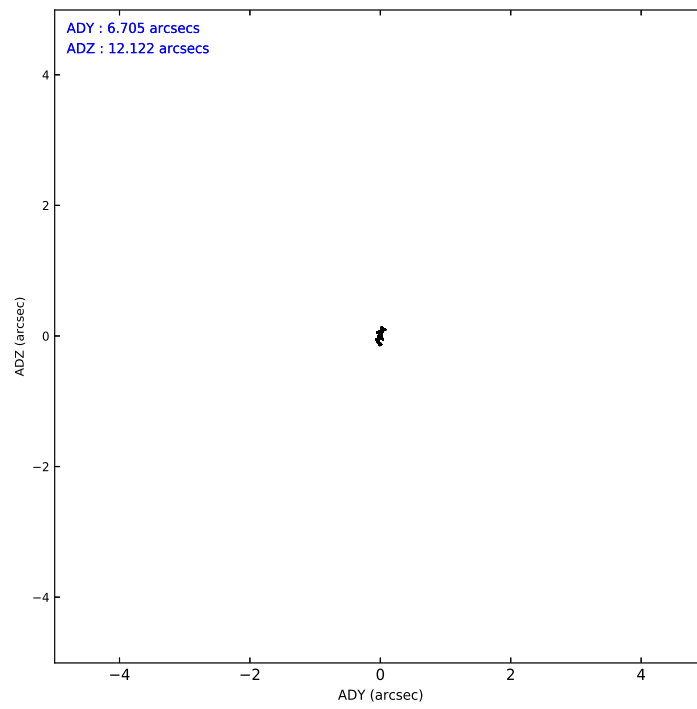
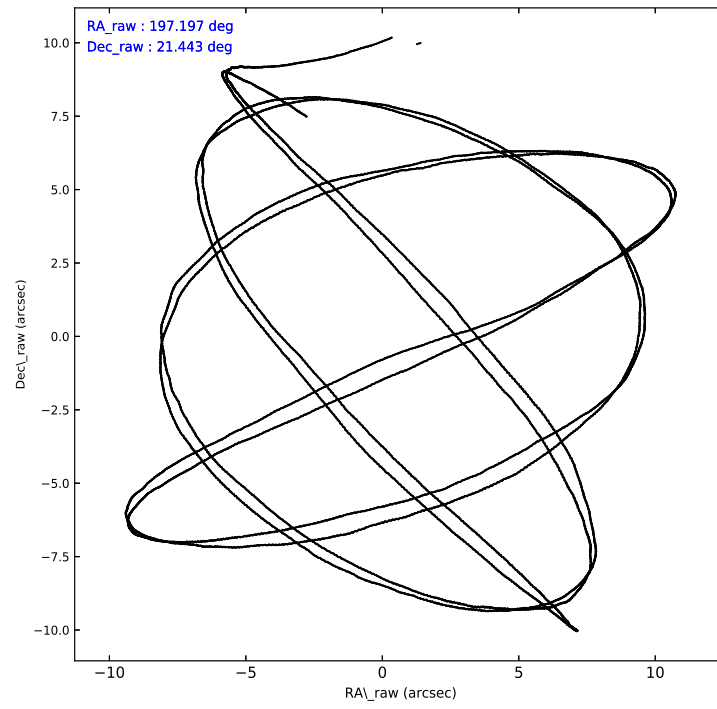
	ccd 7
level 1 events	34039
rejected events	8202
rejected %	24%

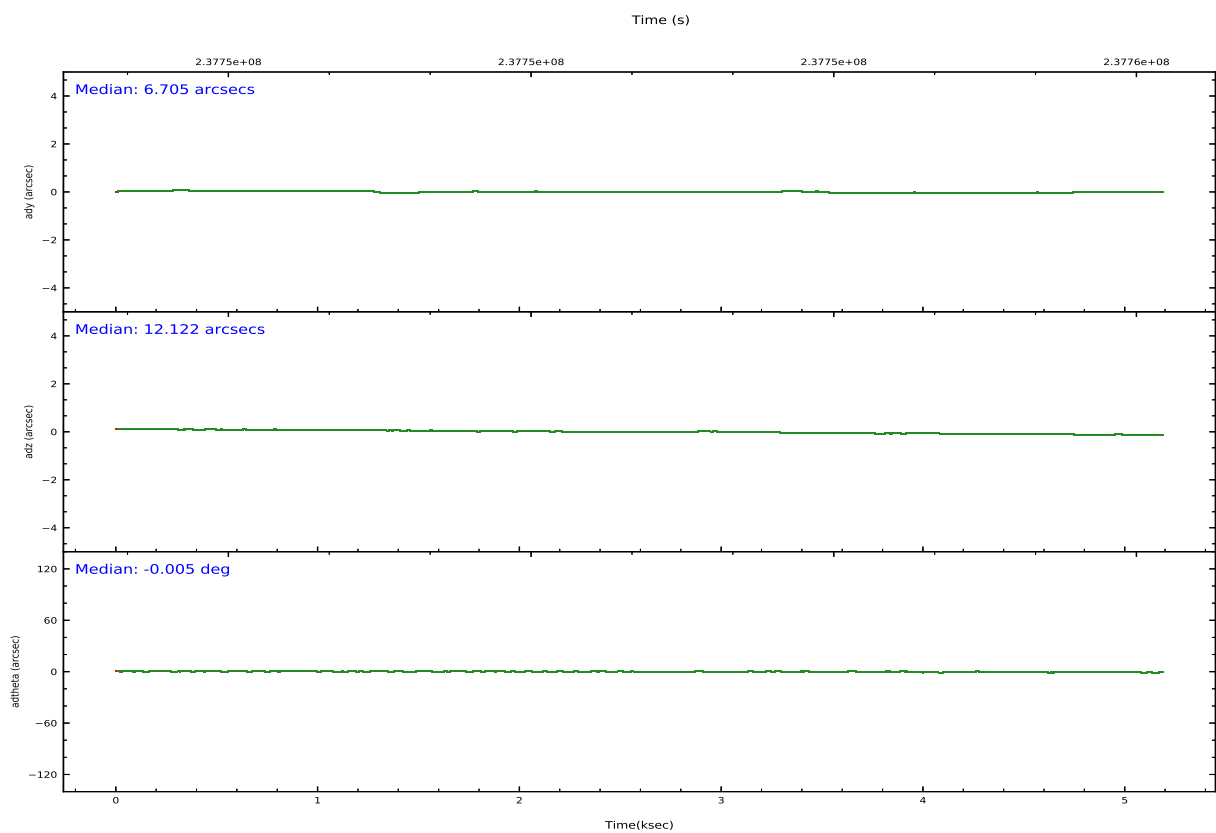
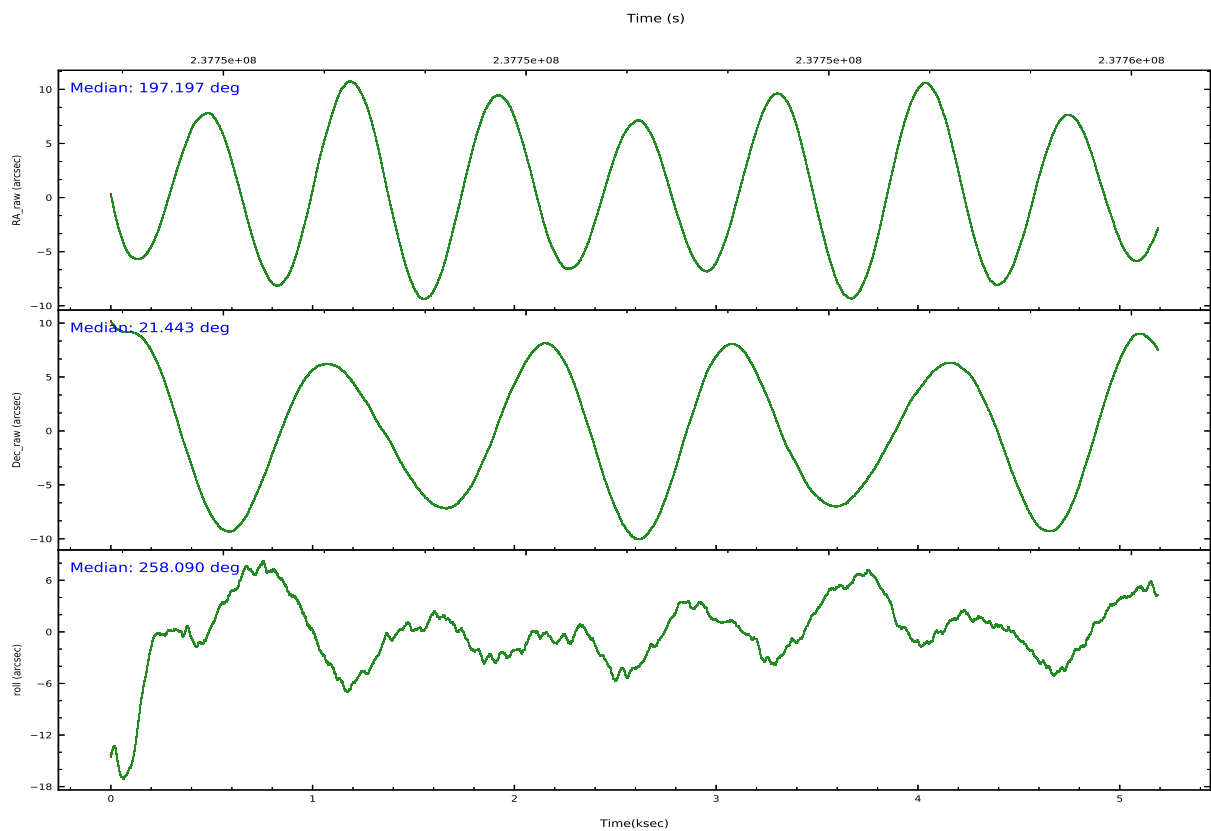
	ccd 7
grade 0 events	3787
	11%
grade 1 events	71
	0%
grade 2 events	7536
	22%
grade 3 events	2000
	5%
grade 4 events	2018
	5%
grade 5 events	4864
	14%
grade 6 events	13763
	40%
grade 7 events	0
	0%

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	197.187895	197.1939892075	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.468686	21.445577361784	Alternating exposures requested	N	N
[deg] Pointing Roll	257.934884	258.0899290885	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	237750632.184000	237749654.13873			
Observation start date	2005-07-14T17:49:28	2005-07-14T17:34:14			
[s] Observation end time (MET)	237755632.184000	237756368.91404			
Observation end date	2005-07-14T19:12:48	2005-07-14T19:26:08			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



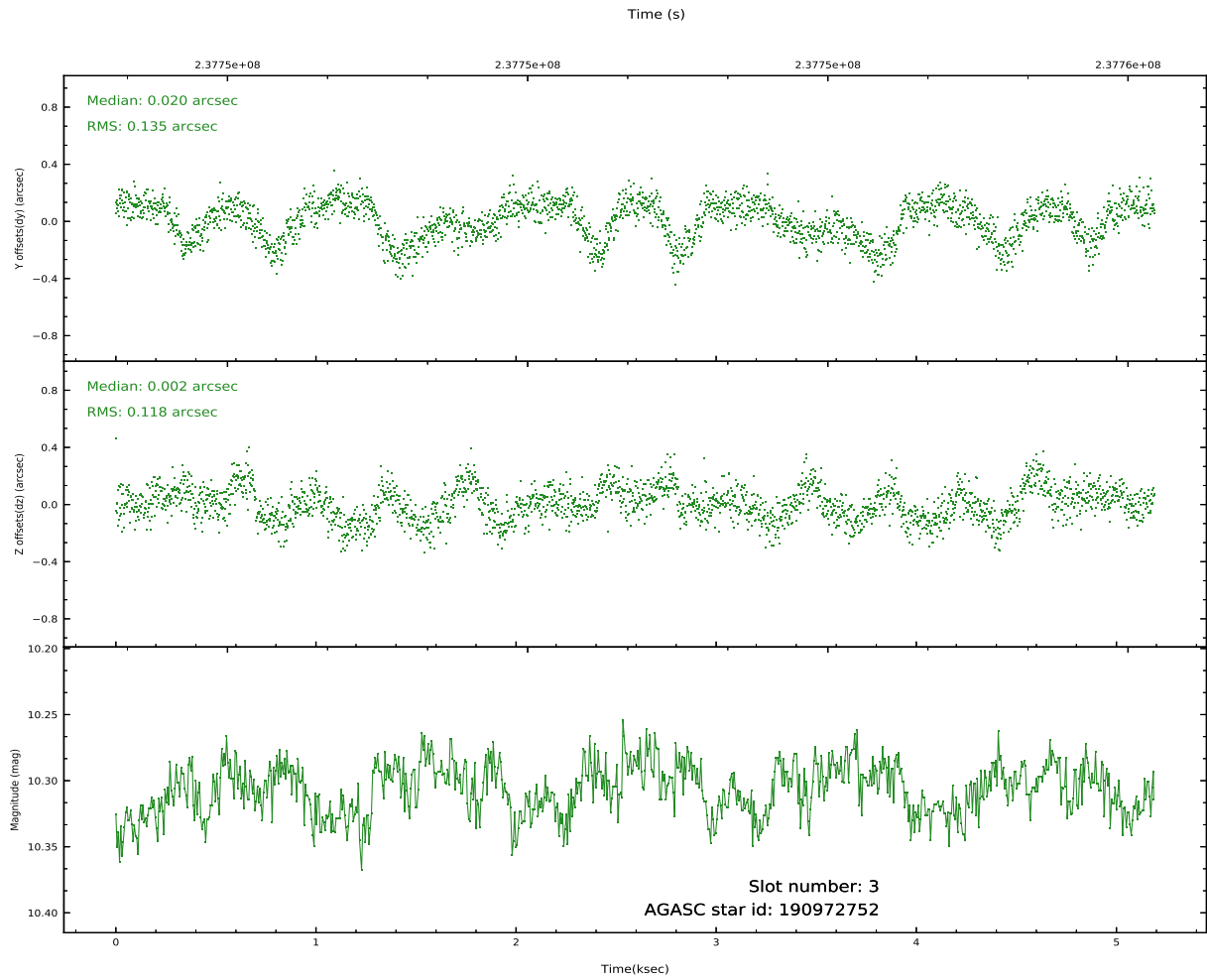
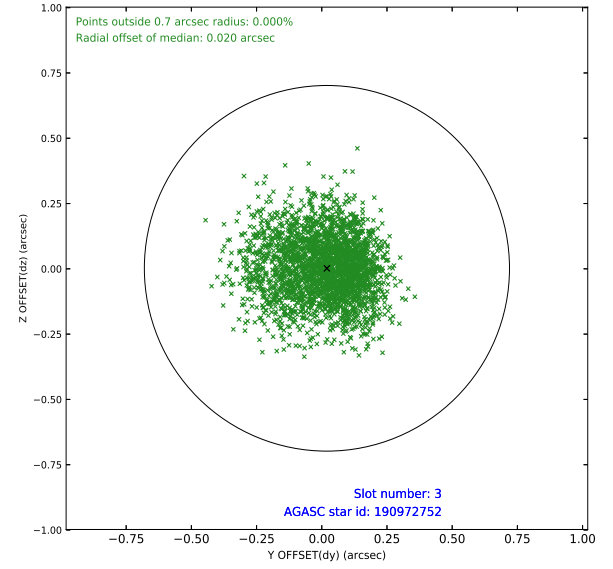
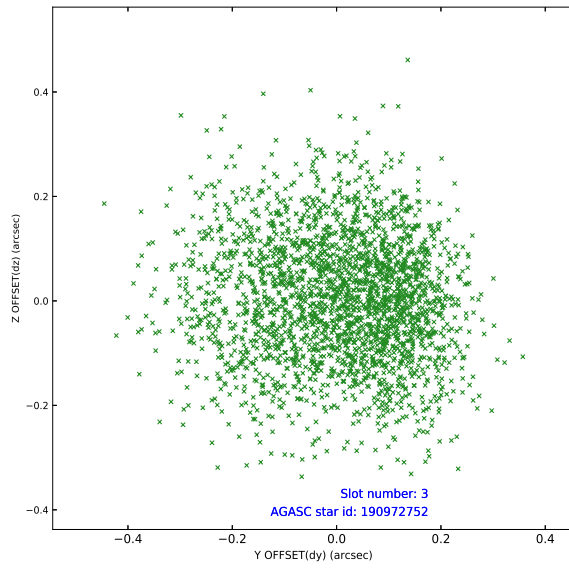


Slot Statistics

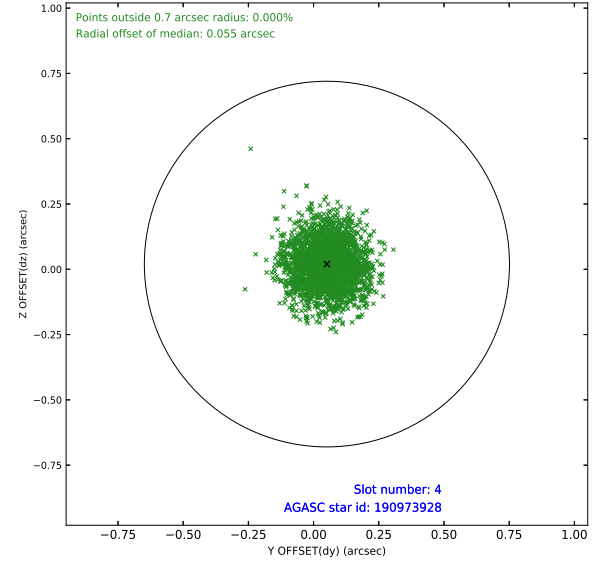
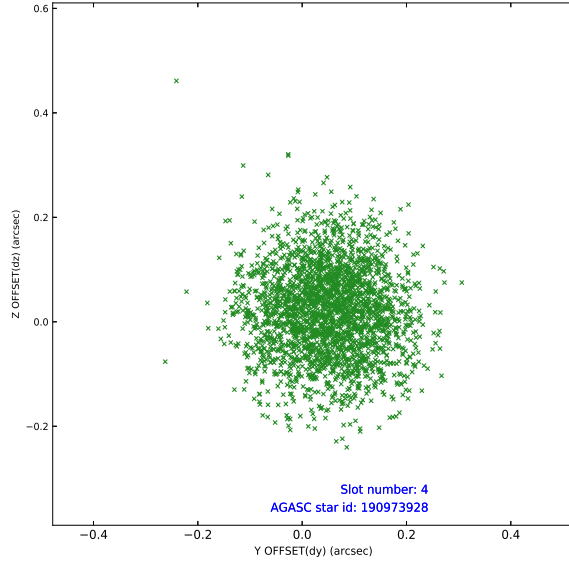
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1267	1.000	-0.057	-0.060	0.007	0.011	0.000000	0.000000	-759.49	-1733
1	FID		ACIS-S-4	7.20	1267	1.000	0.118	0.044	0.005	0.009	0.000000	0.000000	2153.42	173
2	FID		ACIS-S-5	7.23	1267	1.000	-0.092	0.025	0.007	0.012	0.000000	0.000000	-1810.88	168
3	GUIDE	used	190972752	10.31	2527	1.000	0.020	0.002	0.190	0.309	197.567107	21.351082	146.92	1331
4	GUIDE	used	190973928	9.83	2532	1.000	0.051	0.020	0.125	0.197	197.904188	21.564389	-843.38	2272
5	GUIDE	used	190974376	6.80	2533	1.000	-0.214	-0.047	0.122	0.181	197.884749	21.918670	-2076.05	1937
6	GUIDE	used	190979840	10.32	2525	1.000	0.312	-0.074	0.251	0.402	197.337465	20.846267	2085.52	961
7	GUIDE	used	190973256	10.30	2527	1.000	-0.135	0.090	0.166	0.286	198.013696	21.966947	-2336.86	2320

2.4 Star Slots

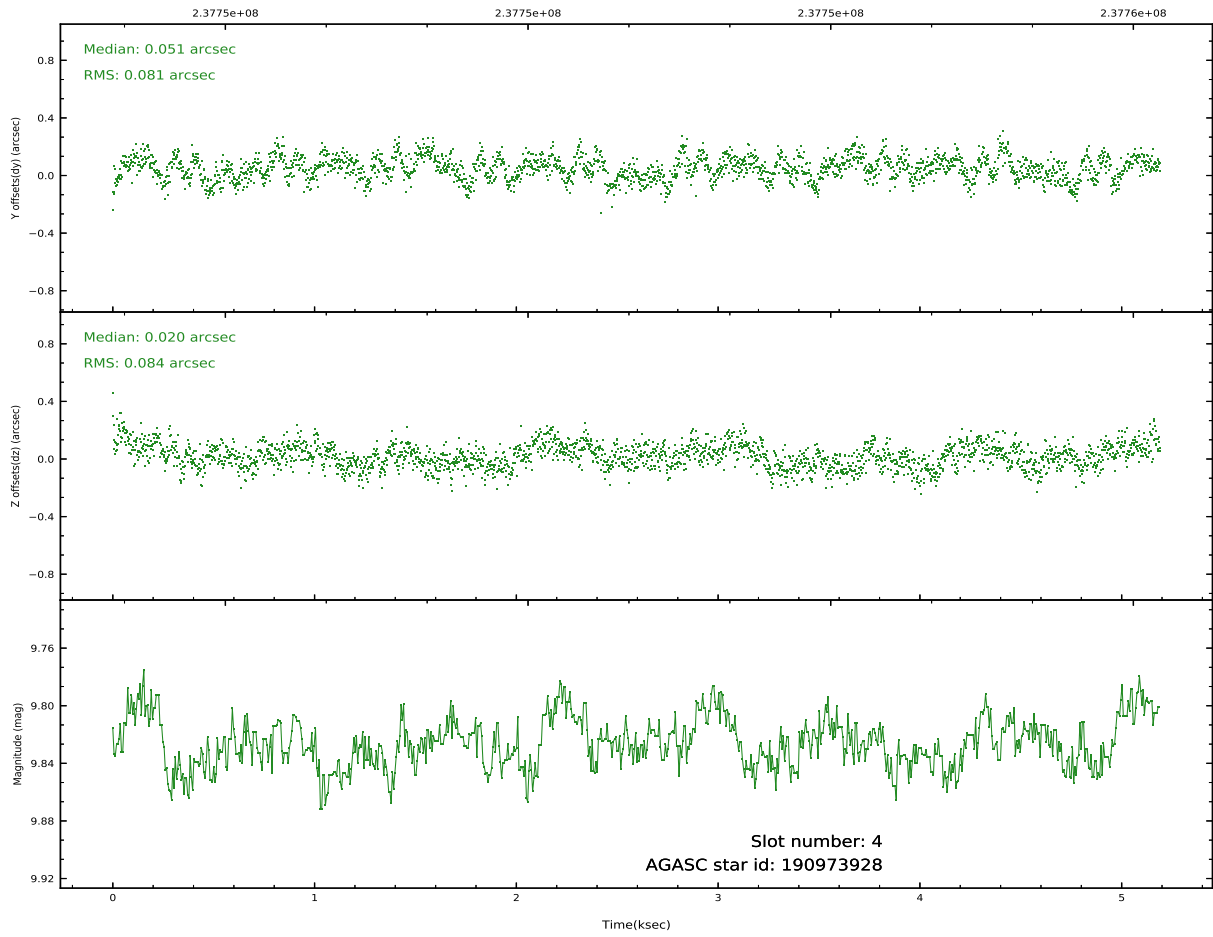
2.4.1 Slot 3



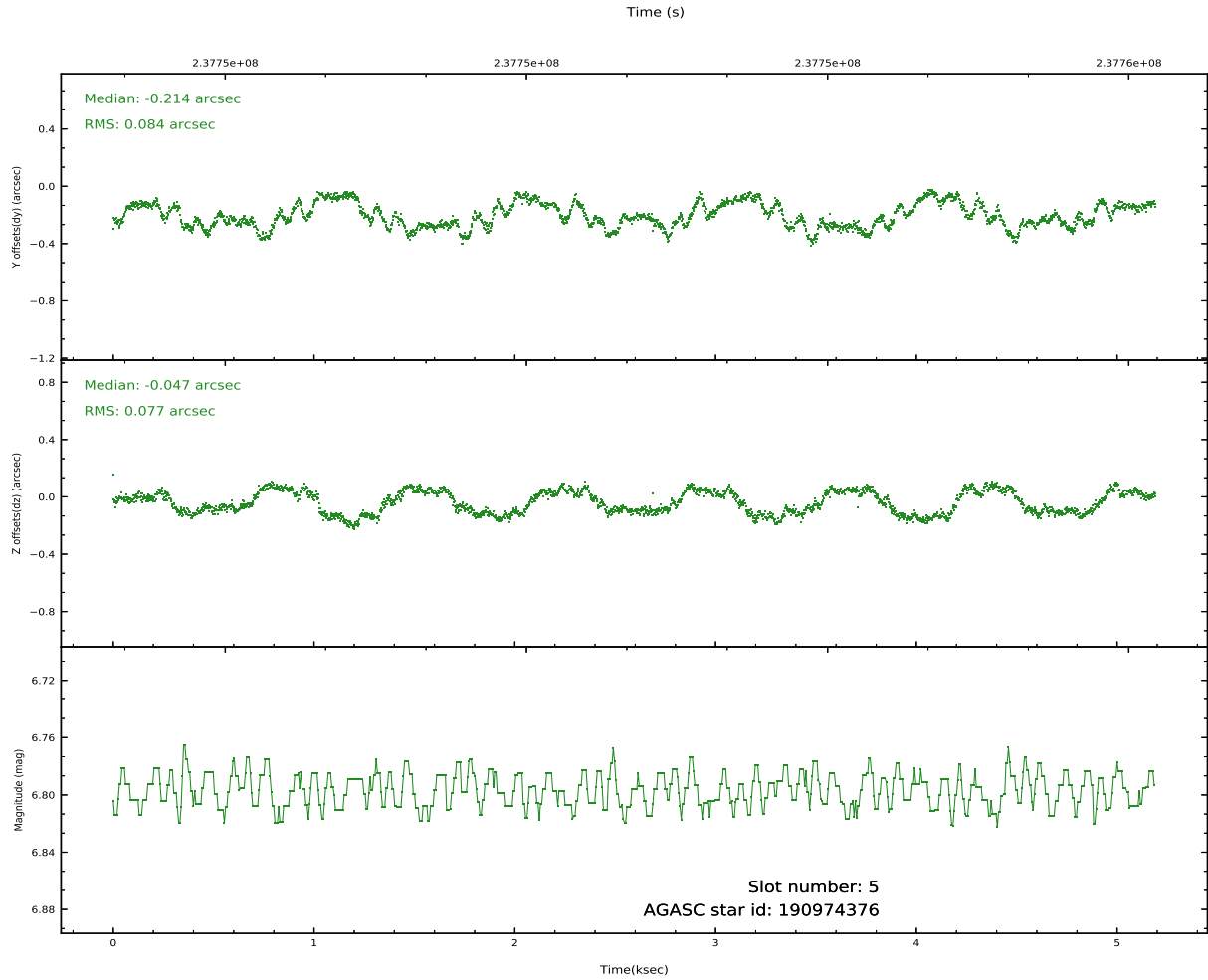
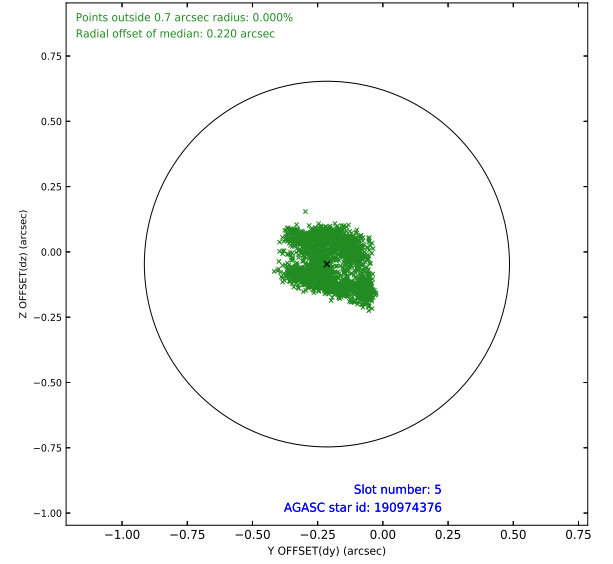
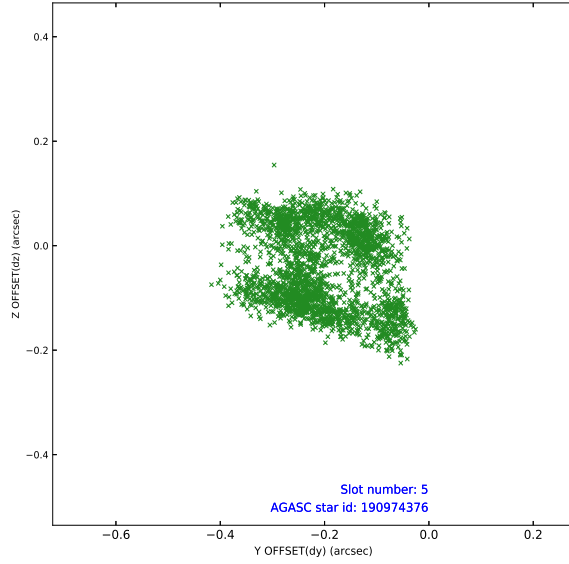
2.4.2 Slot 4



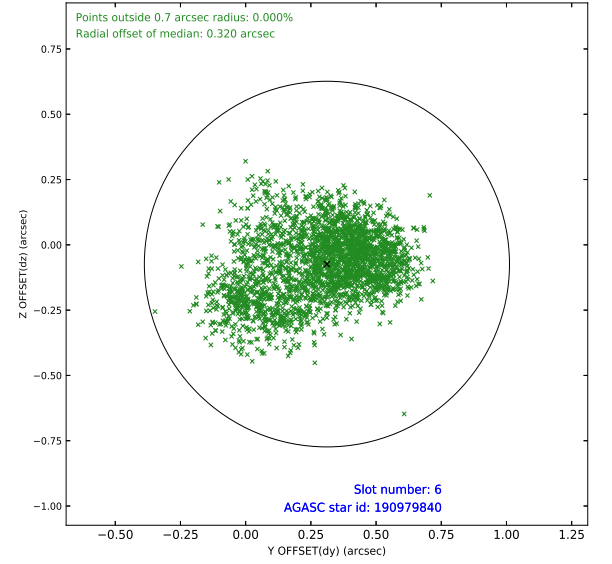
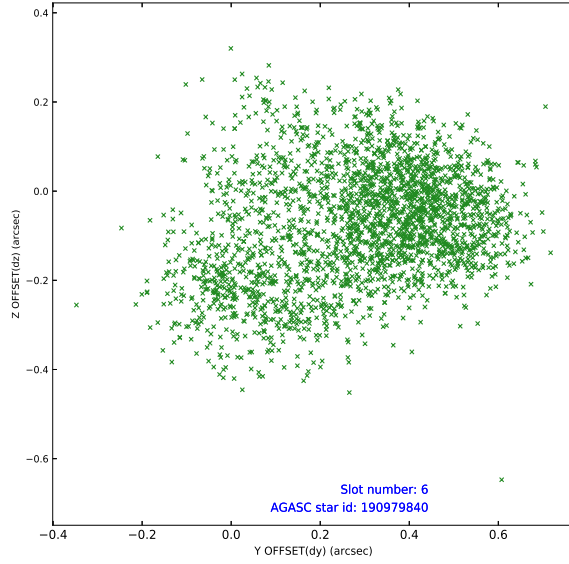
Time (s)



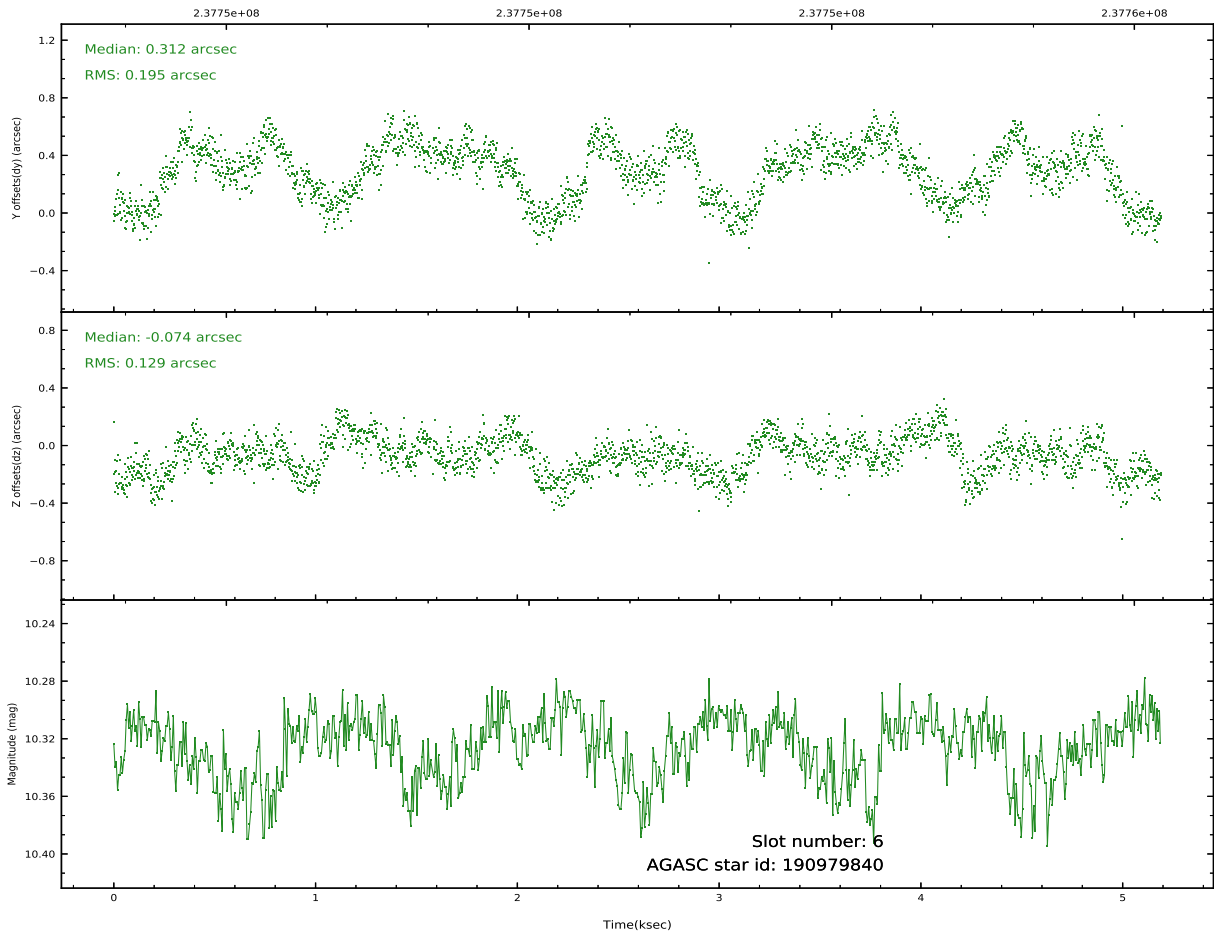
2.4.3 Slot 5



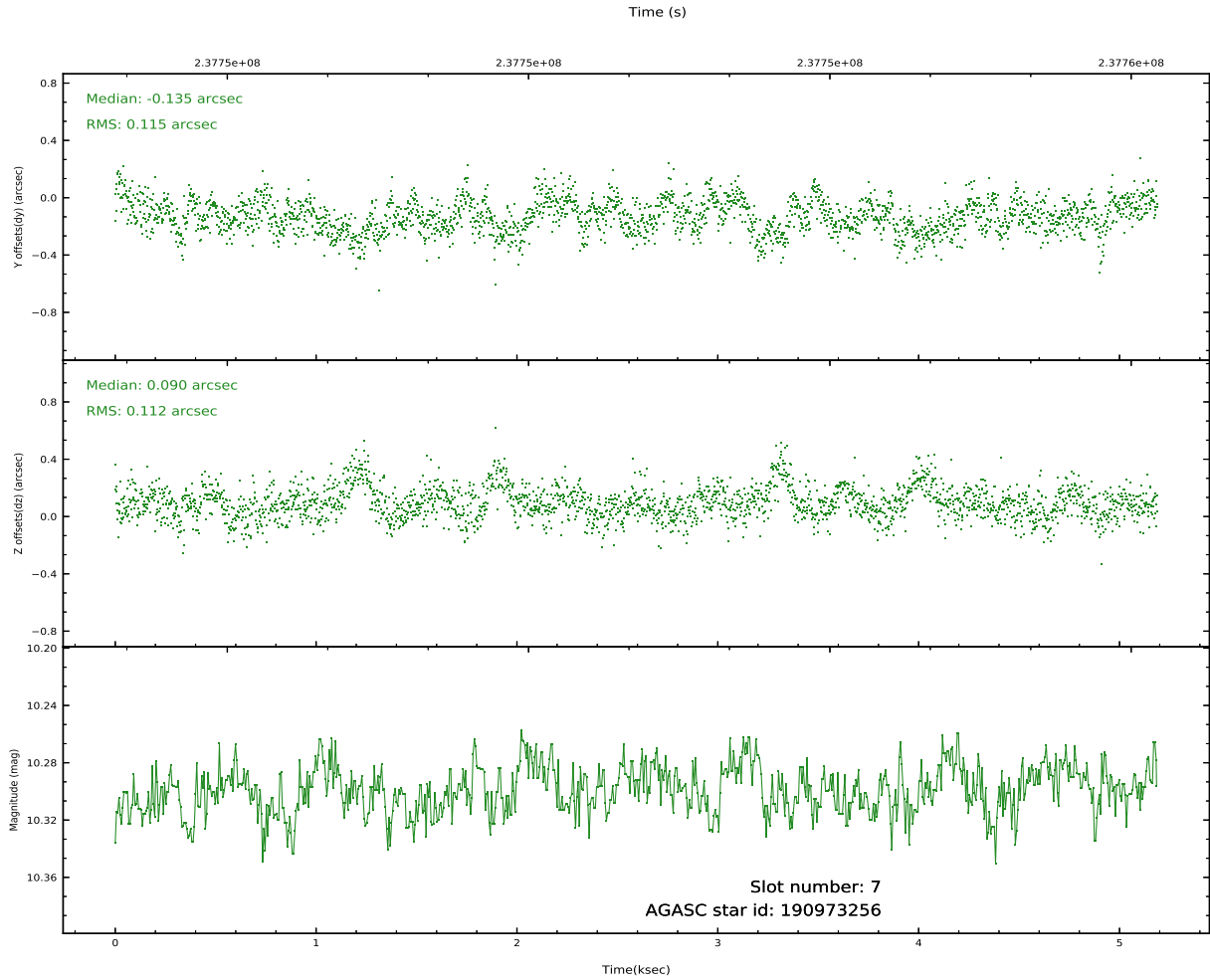
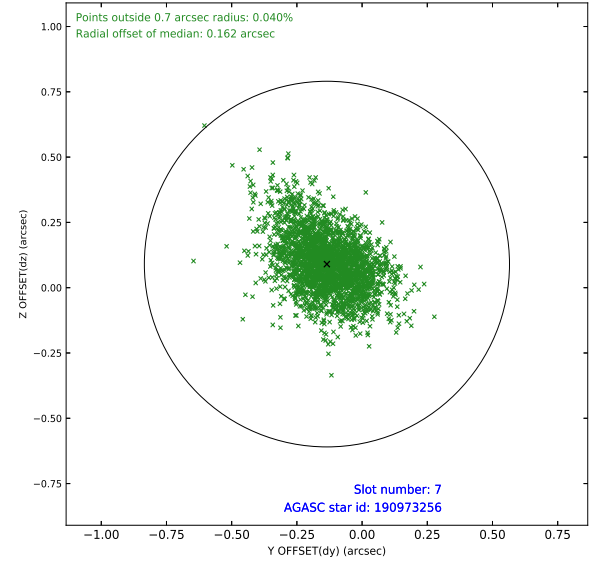
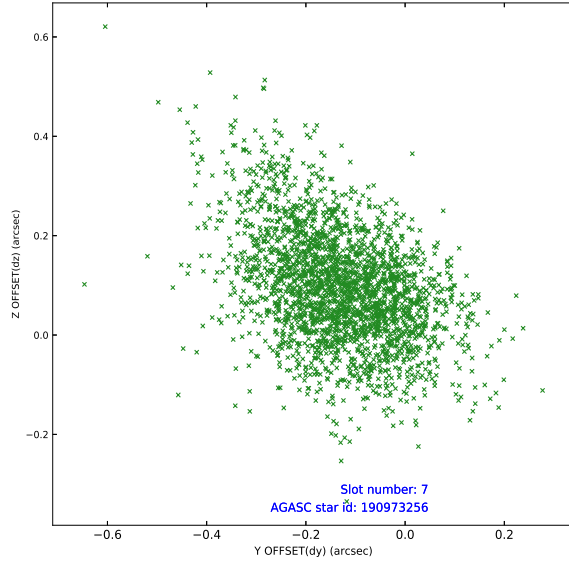
2.4.4 Slot 6



Time (s)

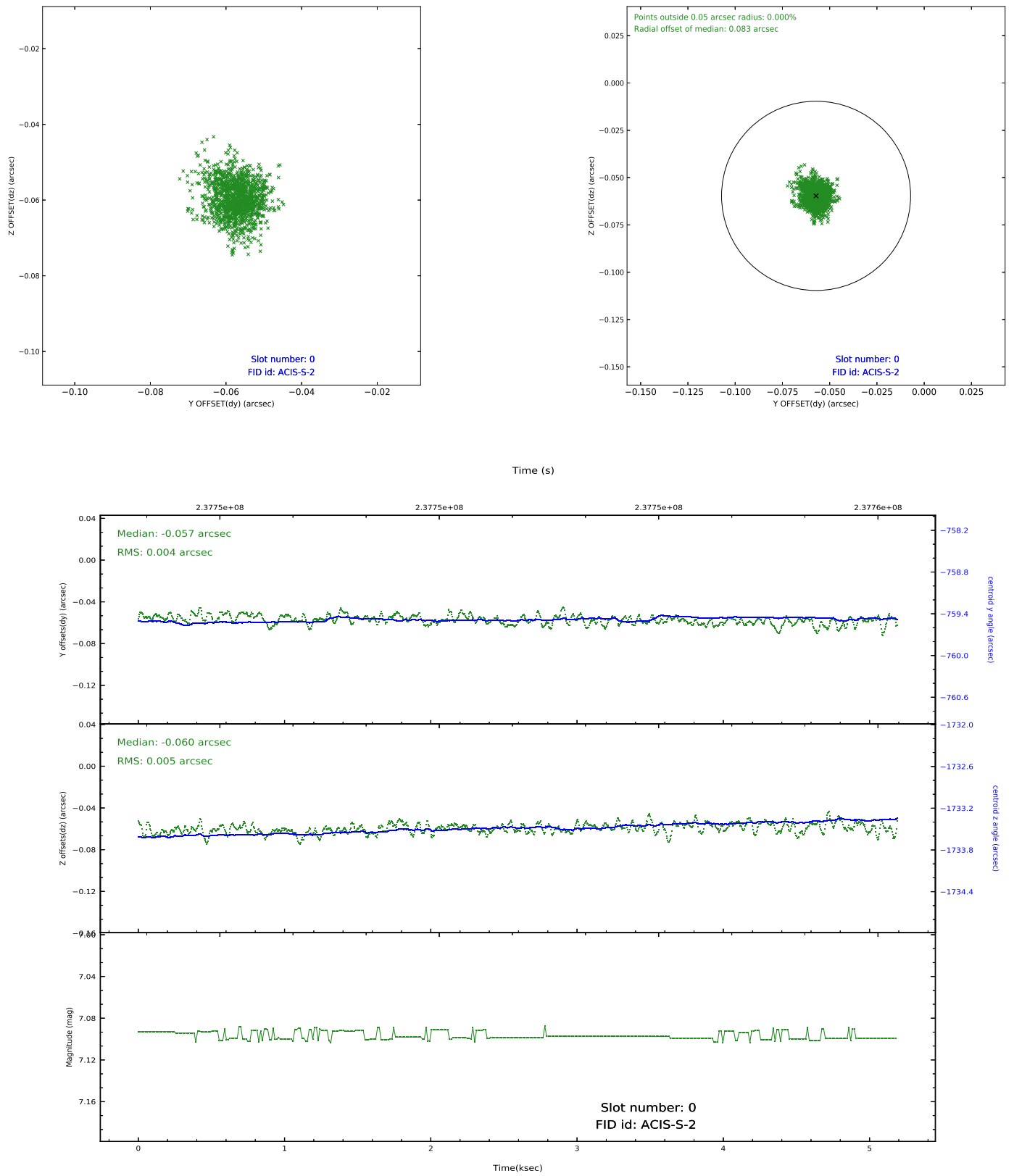


2.4.5 Slot 7

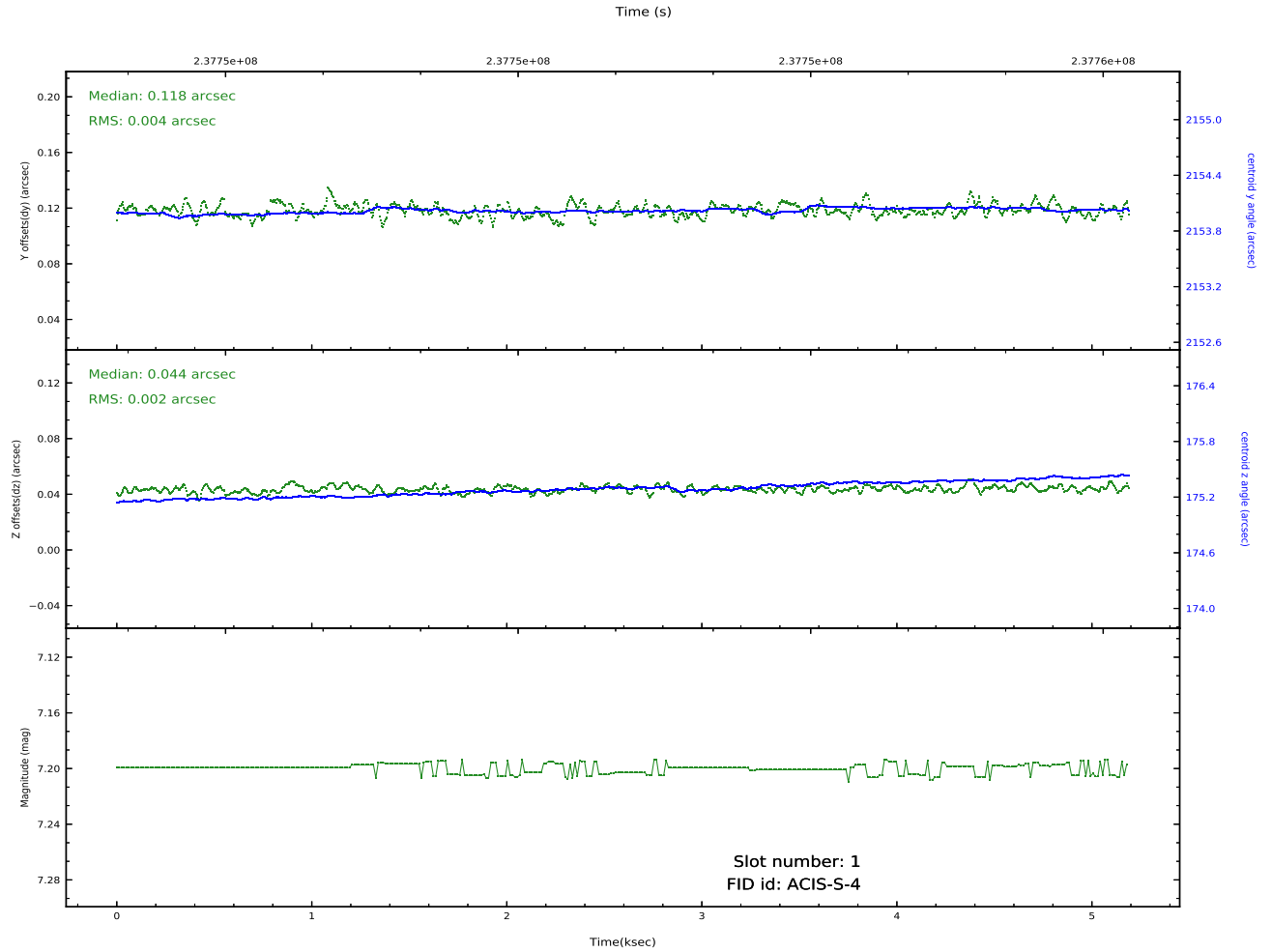
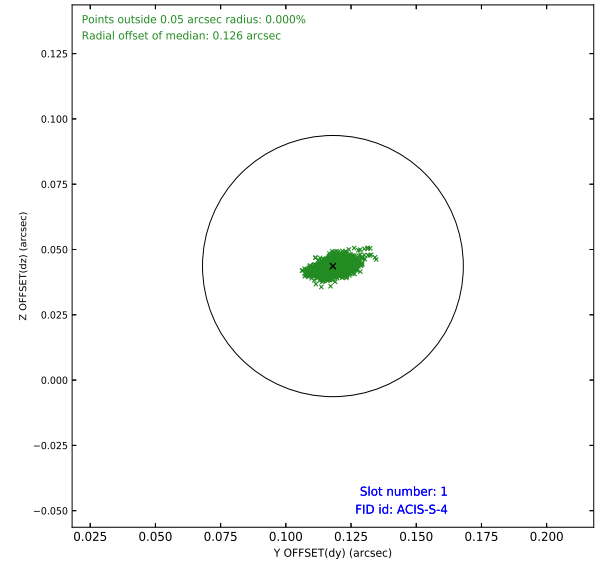
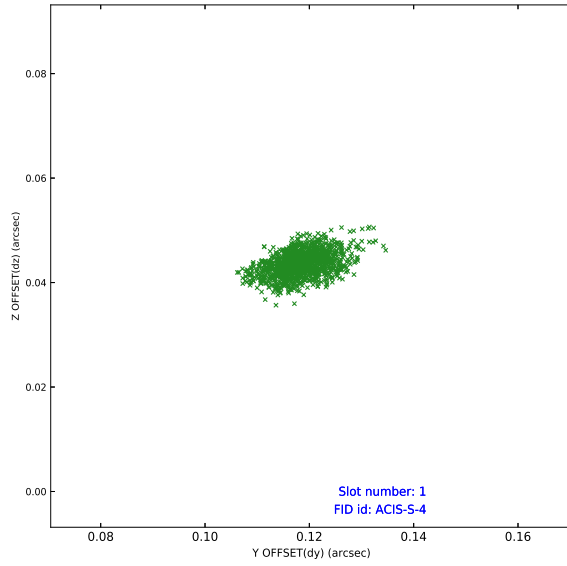


2.5 FID Slots

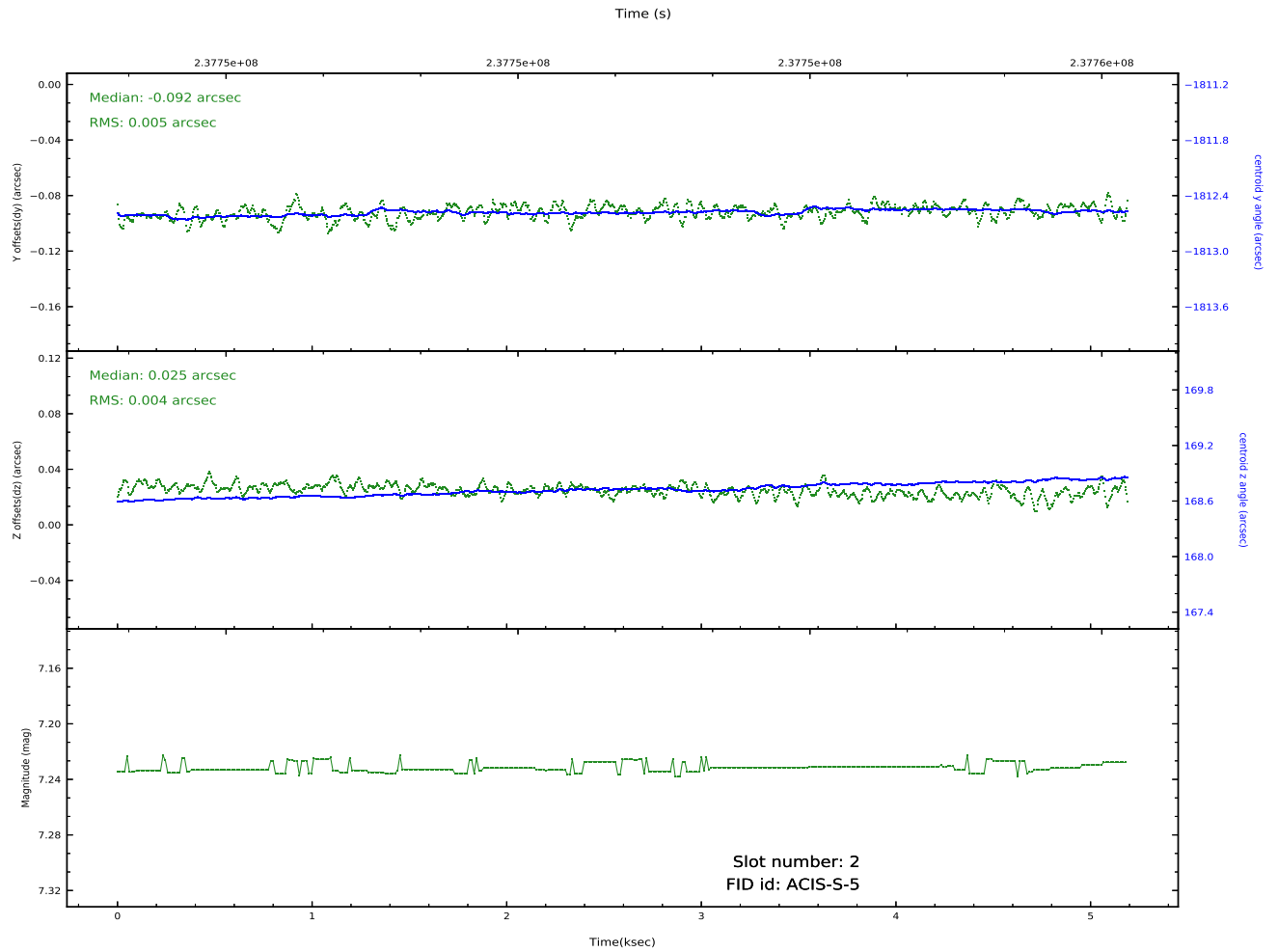
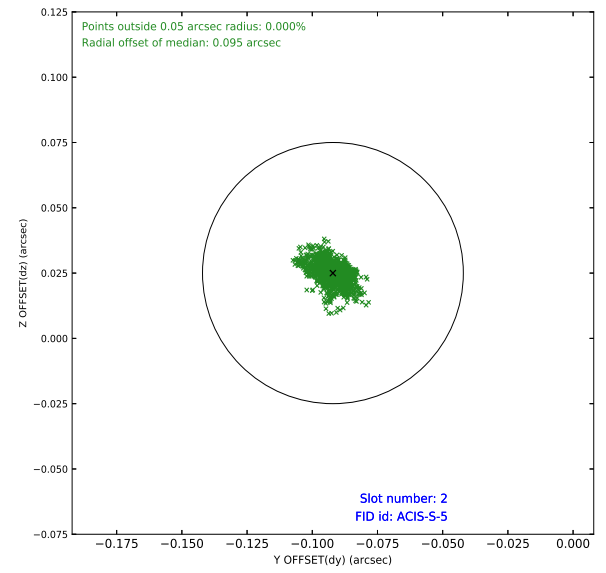
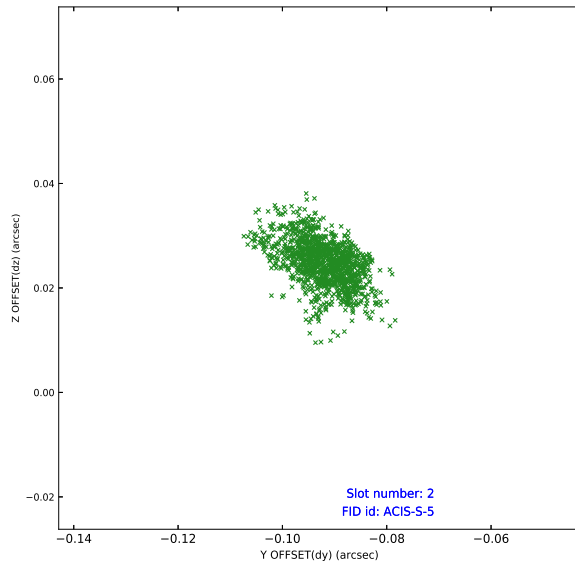
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	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	5.18575

A.2 Comments