

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4916 - L2 Version 4
Chandra X-Ray Center

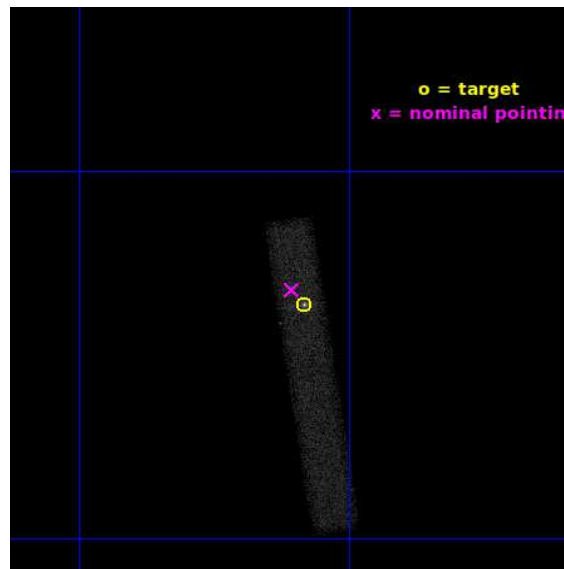
L2 Processing Date : Sep 23 2020

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1 Front

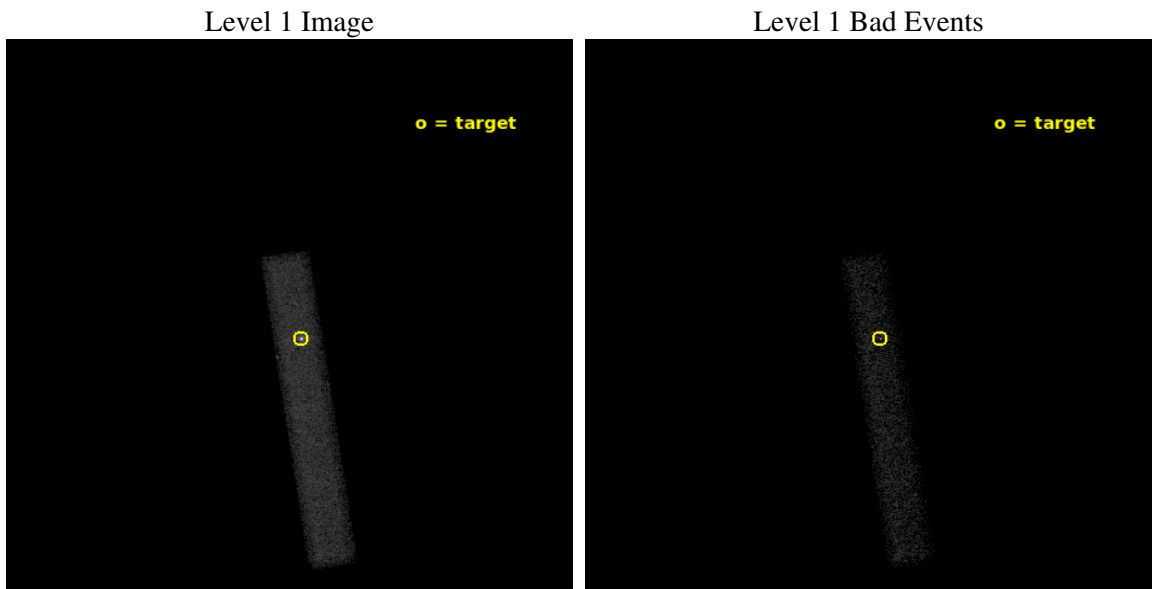
seq_num	700997	Sequence number
obs_id	4916	Observation id
title	The Structure and Physics of Extragalactic Jets	Proposal title
observer	Eric Perlman	Principal investigator
object	3C264	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.270833	Observer's specified target RA [deg]
dec_targ	19.606389	Observer's specified target Dec [deg]
ra_nom	176.27658300845	Nominal RA [deg]
dec_nom	19.612998193989	Nominal Dec [deg]
roll_nom	81.492404613954	Nominal Roll [deg]
revision	4	Processing version of data
ontime	38325.20057106	Sum of GTIs [s]
liveltime	34758.933947996	Livetime [s]
ontime7	38325.20057106	Sum of GTIs [s]
l2events	35210	Number of level 2 events



2 OBI

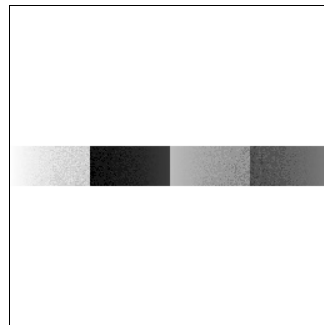
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	38039.108000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	38325.20057106	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	38325.20057106	Sum of GTIs [s]
date	2020-09-23T15:16:28	Date and time of file creation	l1events	58713	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

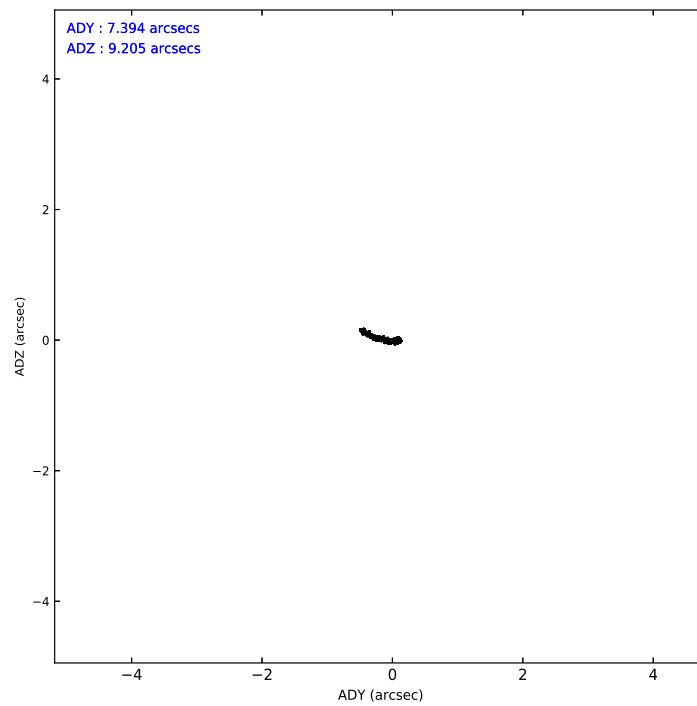
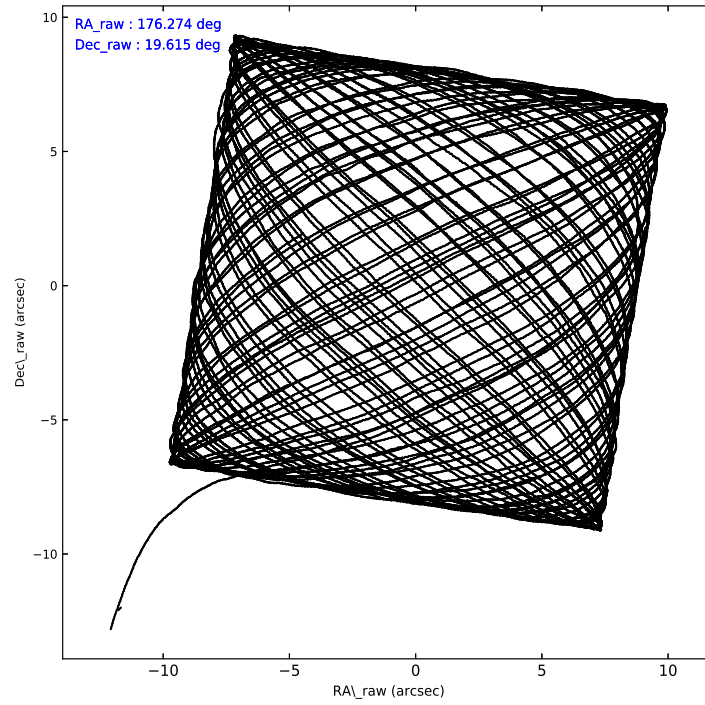
	ccd 7
level 1 events	58713
rejected events	22546
rejected %	38%

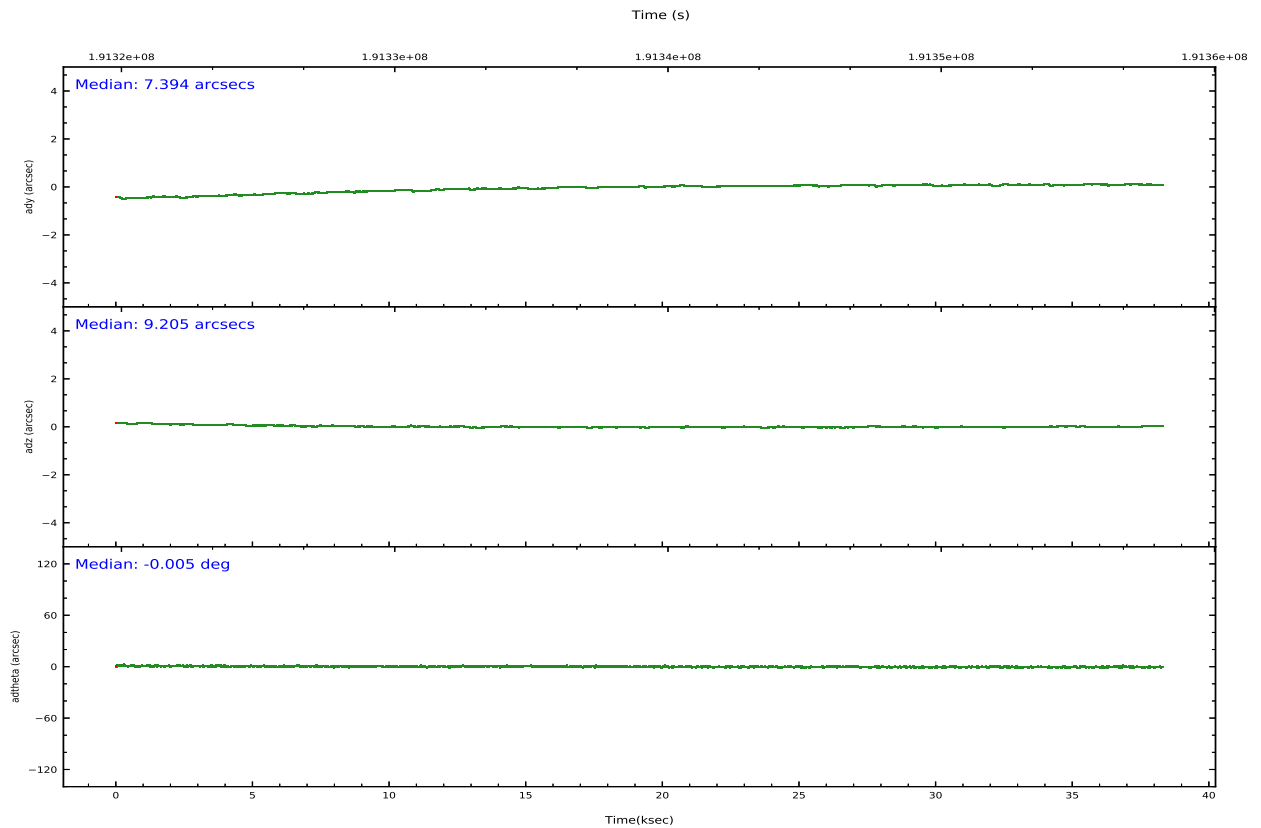
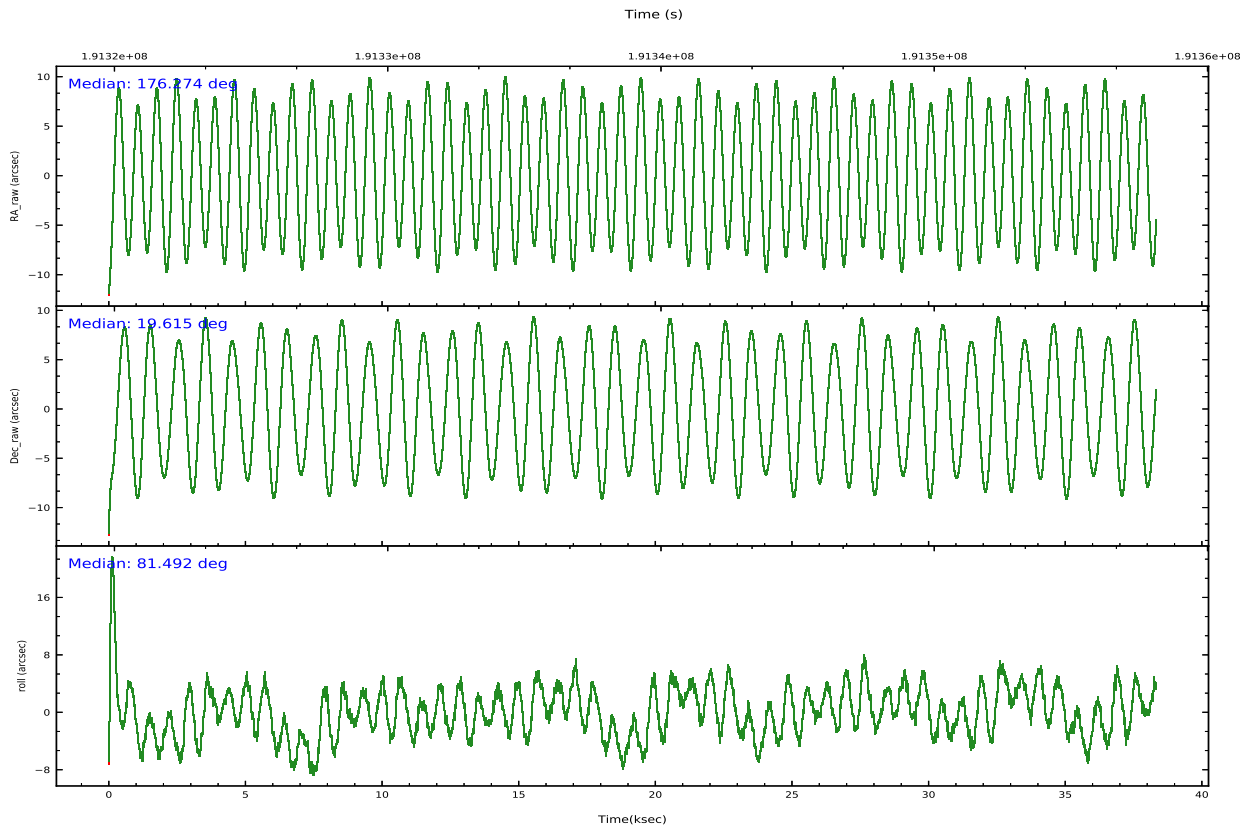
	ccd 7
grade 0 events	8471
	14%
grade 1 events	101
	0%
grade 2 events	7883
	13%
grade 3 events	4474
	7%
grade 4 events	4380
	7%
grade 5 events	4027
	6%
grade 6 events	11309
	19%
grade 7 events	18068
	30%

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	176.285057	176.27658300845	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.590356	19.612998193989	Subarray start row	449	449
[deg] Pointing Roll	81.330494	81.49240461395399	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)	191320080.184000	191319064.71081			
Observation start date	2004-01-24T08:26:56	2004-01-24T08:11:04			
[s] Observation end time (MET)	191358119.184000	191359903.27509			
Observation end date	2004-01-24T19:00:55	2004-01-24T19:31:43			
Read mode	TIMED	TIMED			

2.3 Aspect



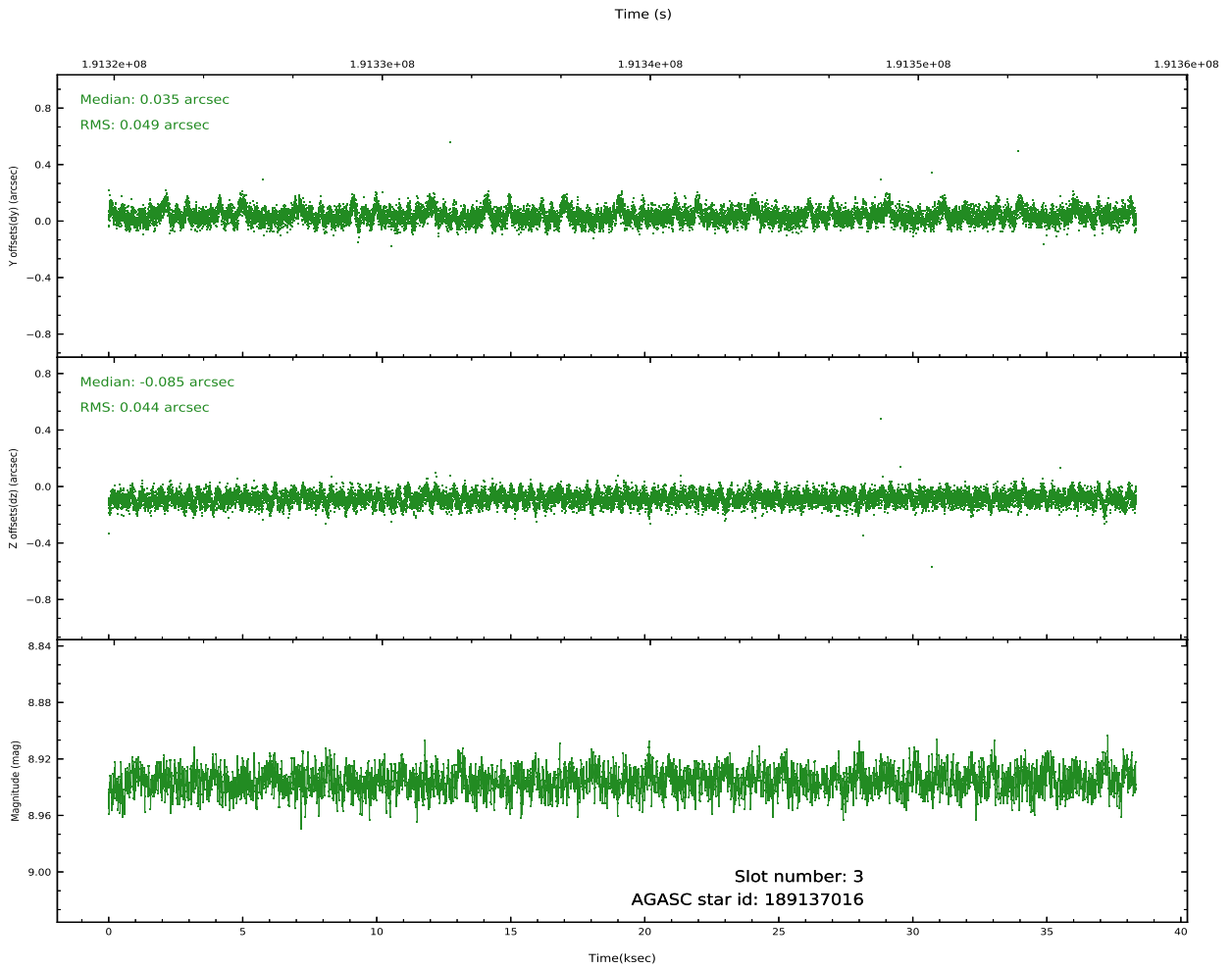
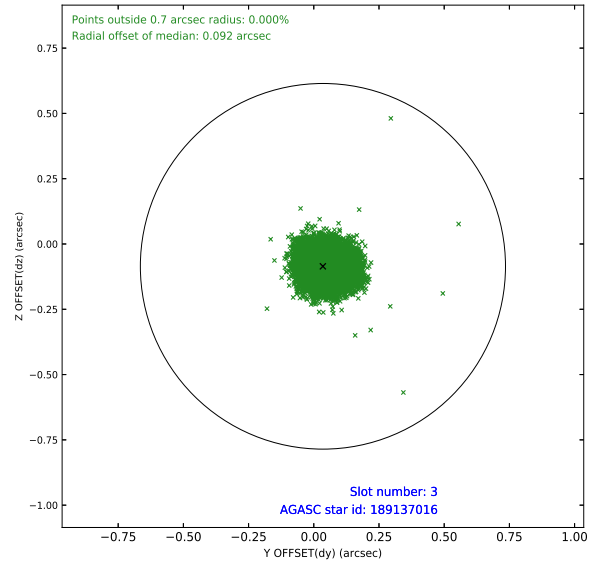
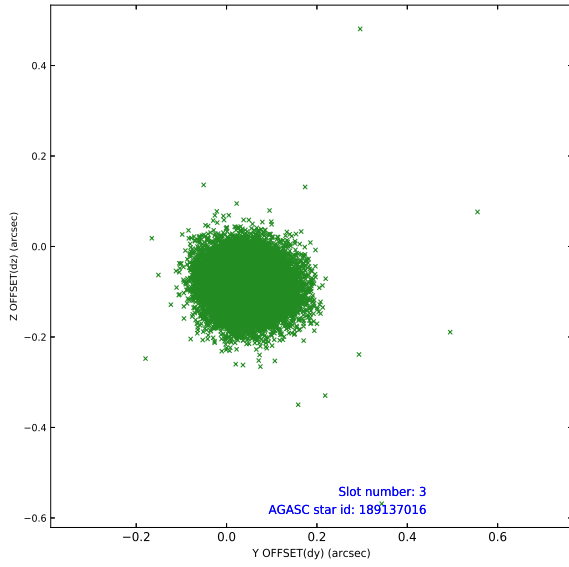


Slot Statistics

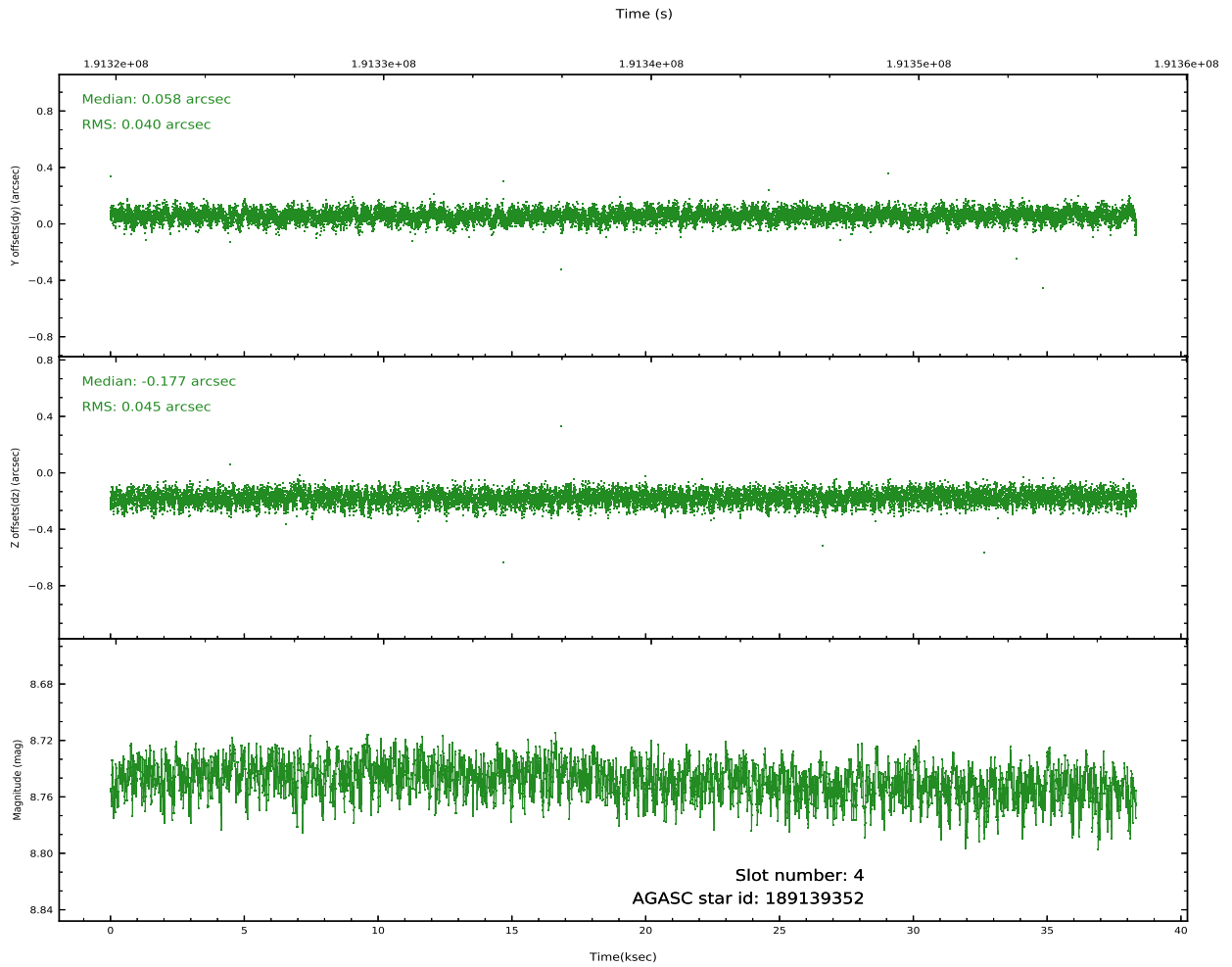
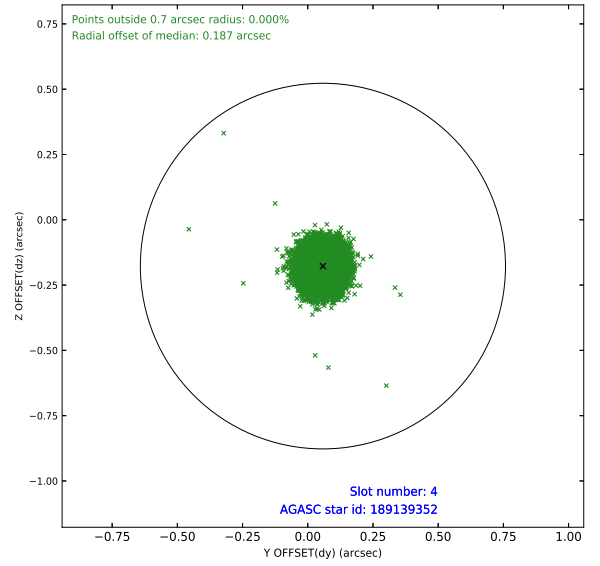
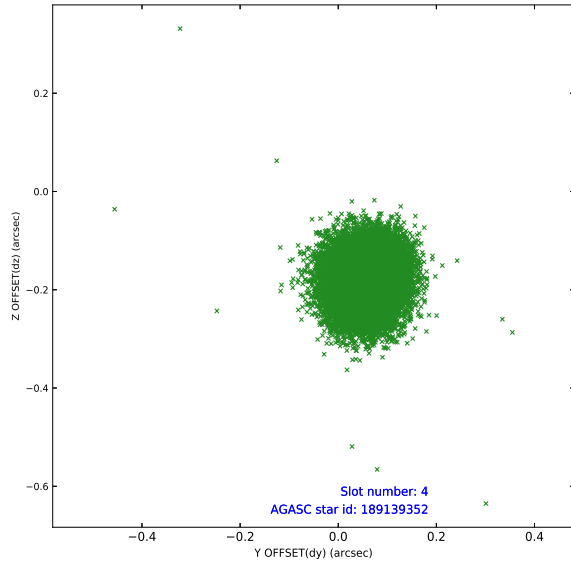
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	9348	1.000	-0.003	-0.065	0.008	0.012	0.000000	0.000000	-760.07	-1730
1	FID		ACIS-S-5	7.24	9348	1.000	-0.069	0.028	0.009	0.015	0.000000	0.000000	-1813.28	171
2	FID		ACIS-S-6	7.35	9347	1.000	0.047	0.045	0.006	0.011	0.000000	0.000000	401.54	815
3	GUIDE	used	189137016	8.94	18692	1.000	0.035	-0.085	0.069	0.112	176.017714	19.173647	-1618.94	672
4	GUIDE	used	189139352	8.75	18693	1.000	0.058	-0.177	0.064	0.104	176.255936	19.500124	-335.67	48
5	GUIDE	used	189141640	10.11	18676	1.000	0.047	0.148	0.134	0.221	176.773230	19.061725	-1628.19	-1928
6	GUIDE	used	189152088	8.51	18692	1.000	0.002	-0.000	0.087	0.135	176.796455	19.306289	-746.10	-1871
7	GUIDE	used	189138768	9.66	18629	1.000	-0.142	0.115	0.105	0.176	176.878887	20.051086	1946.16	-1734

2.4 Star Slots

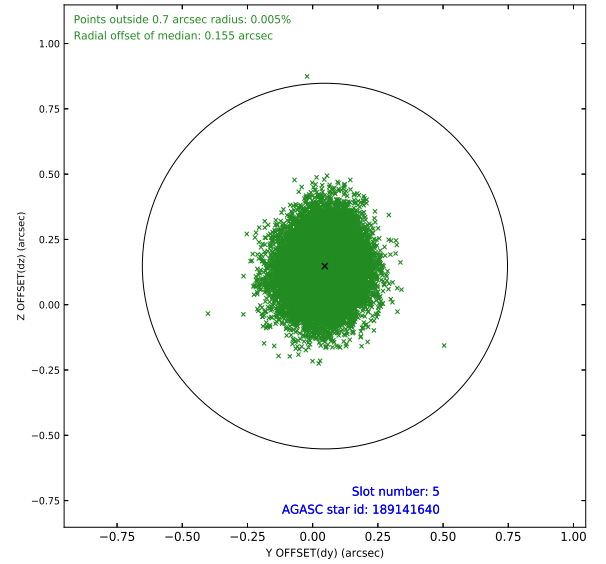
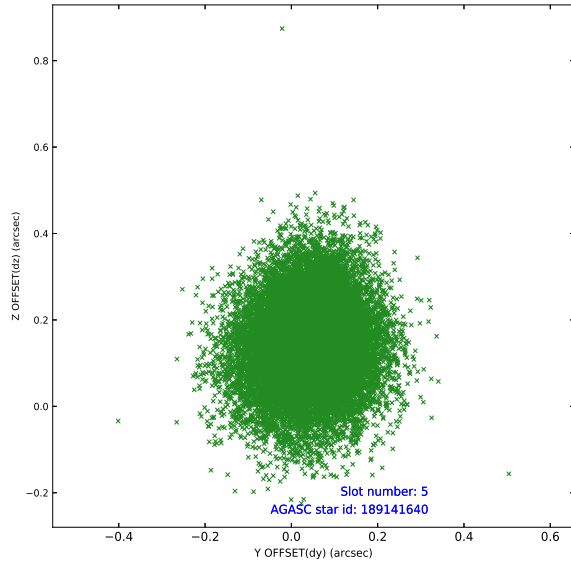
2.4.1 Slot 3



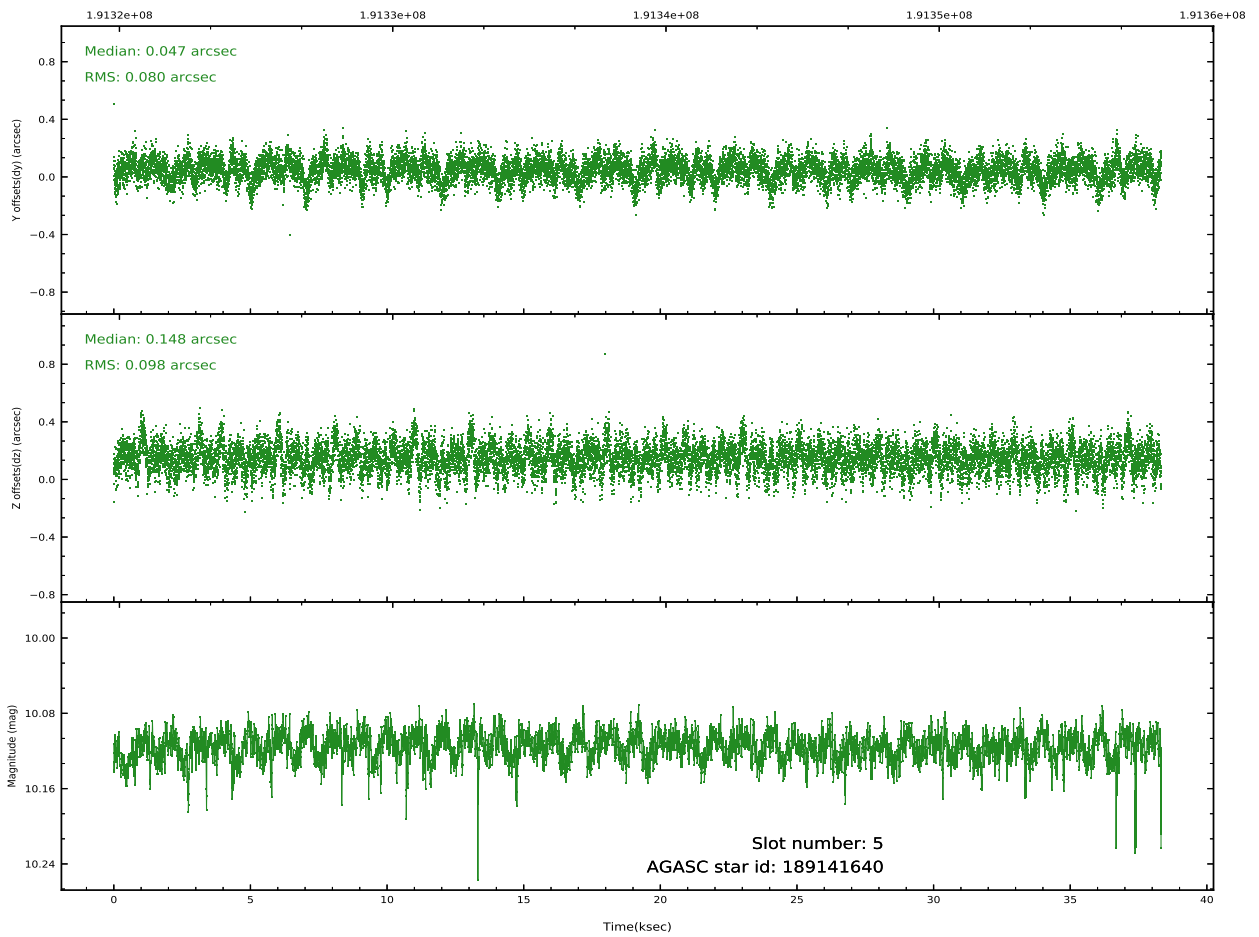
2.4.2 Slot 4



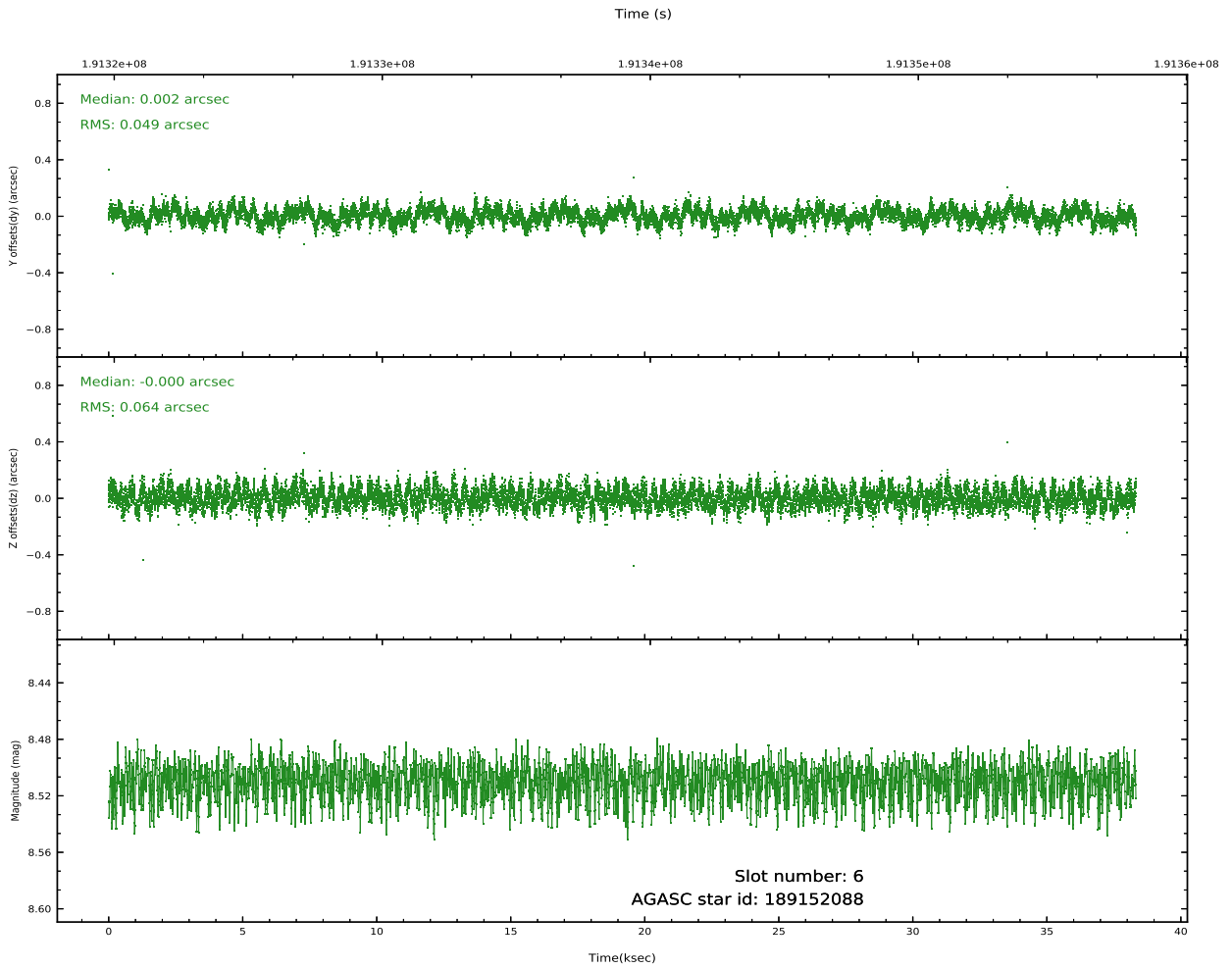
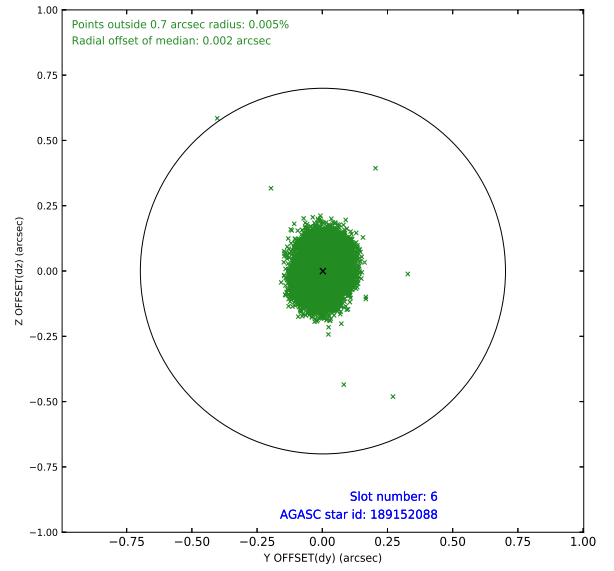
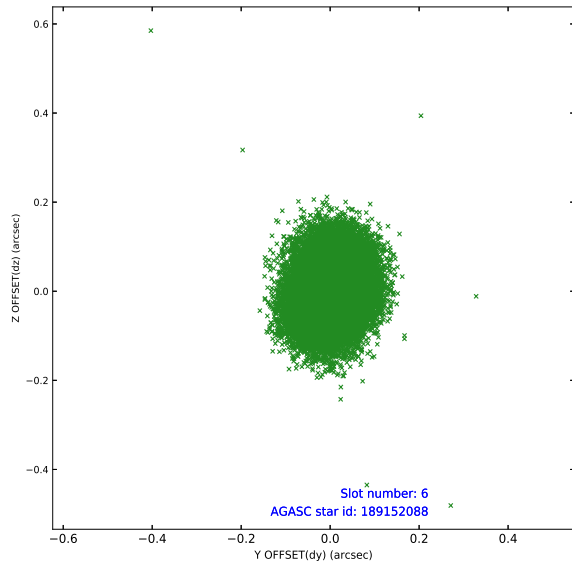
2.4.3 Slot 5



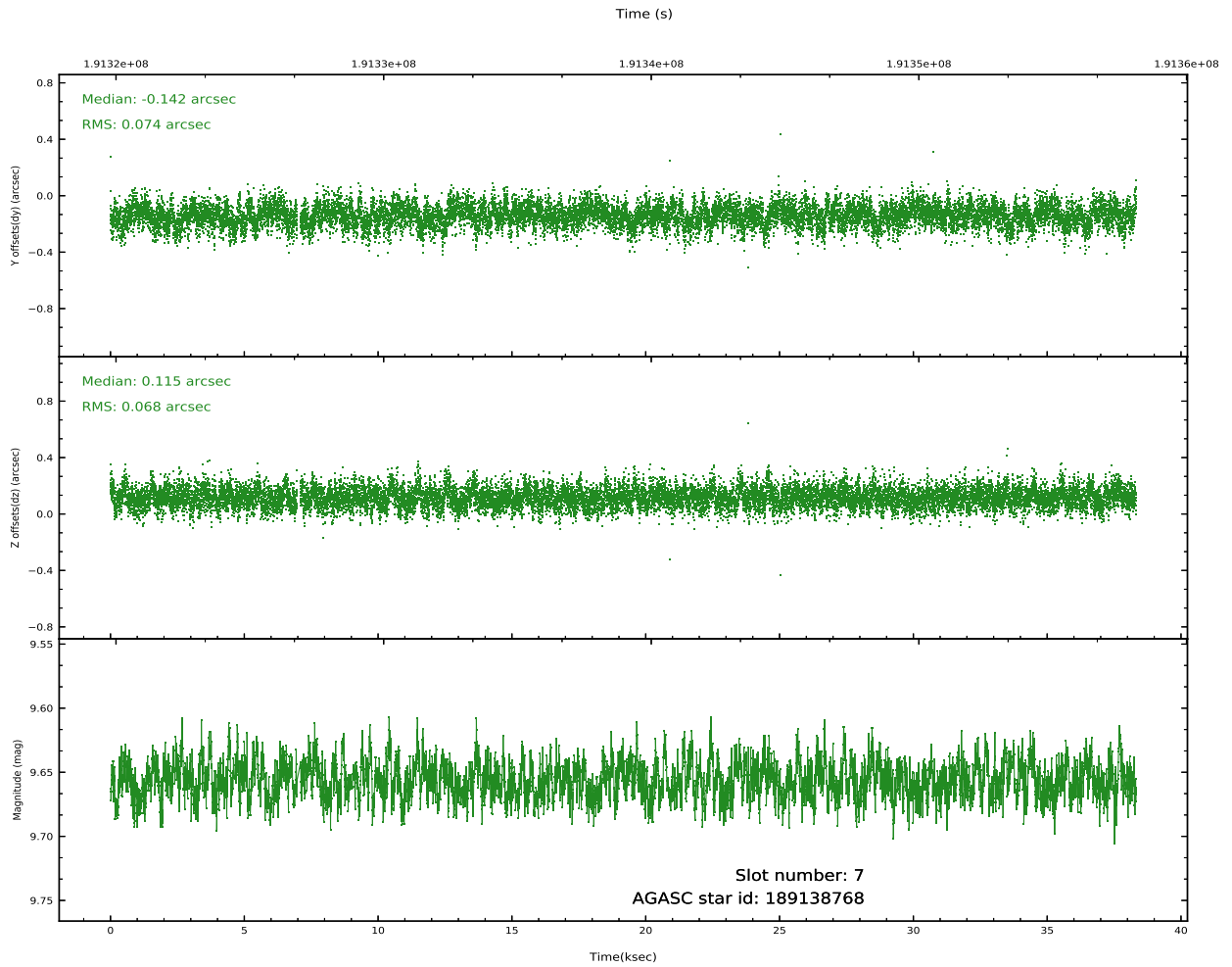
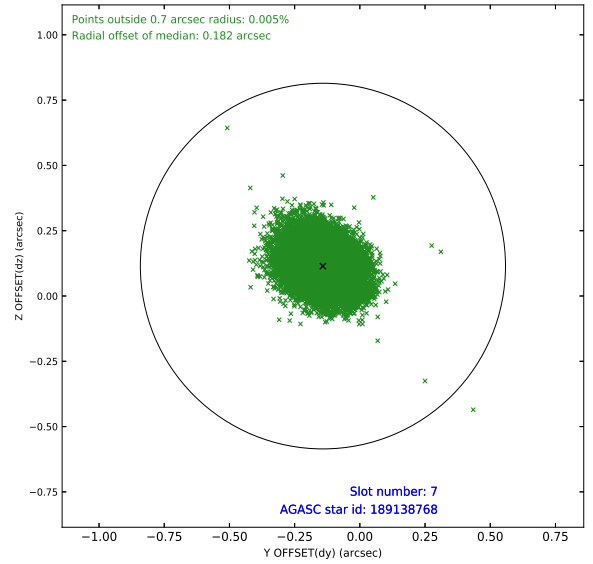
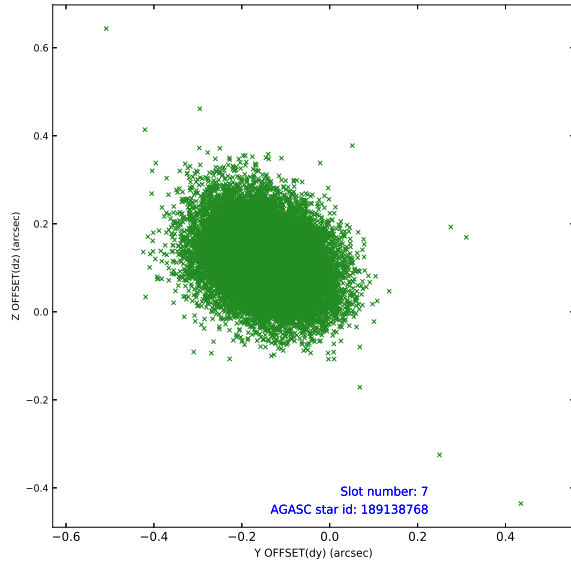
Time (s)



2.4.4 Slot 6

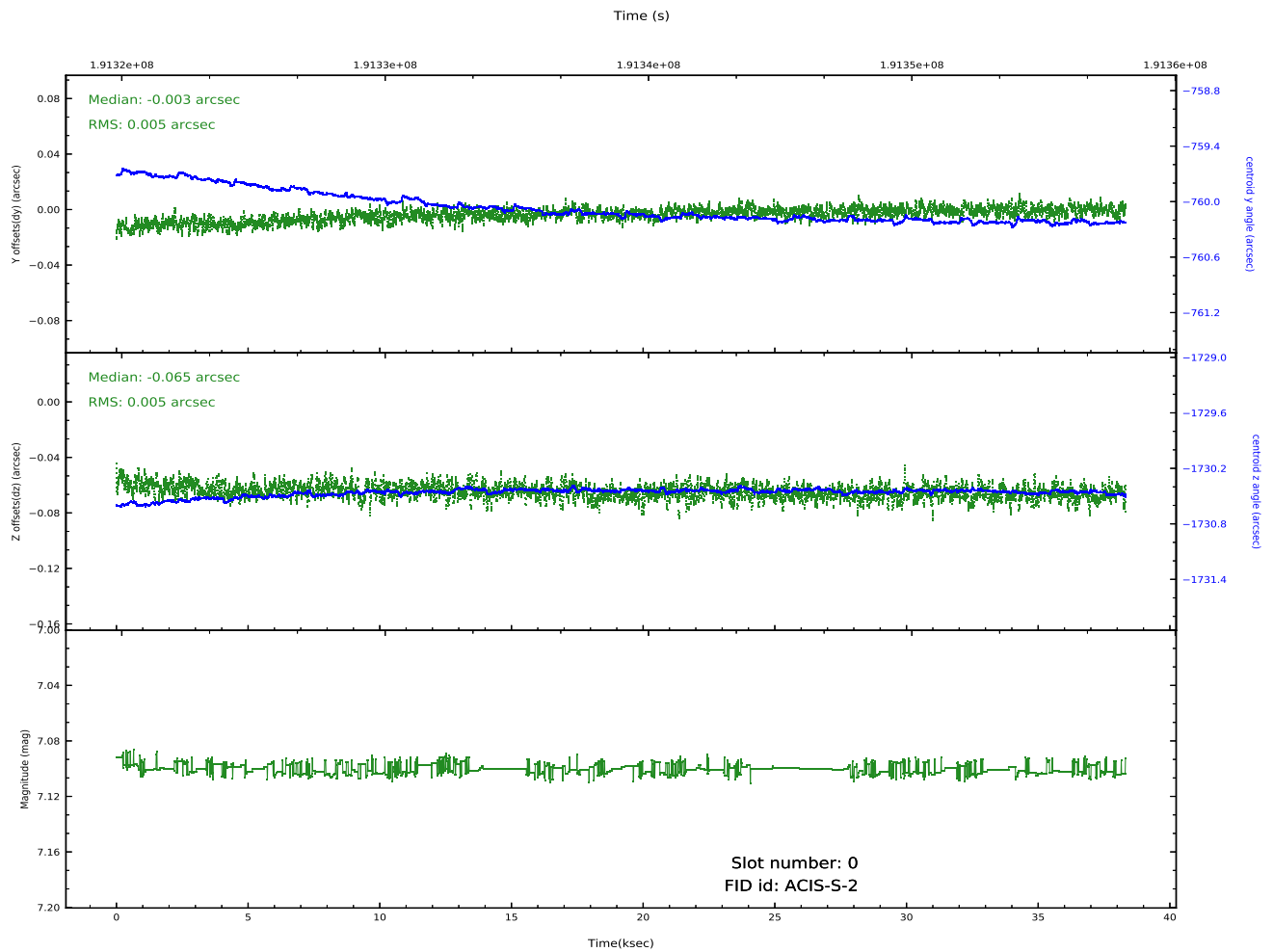
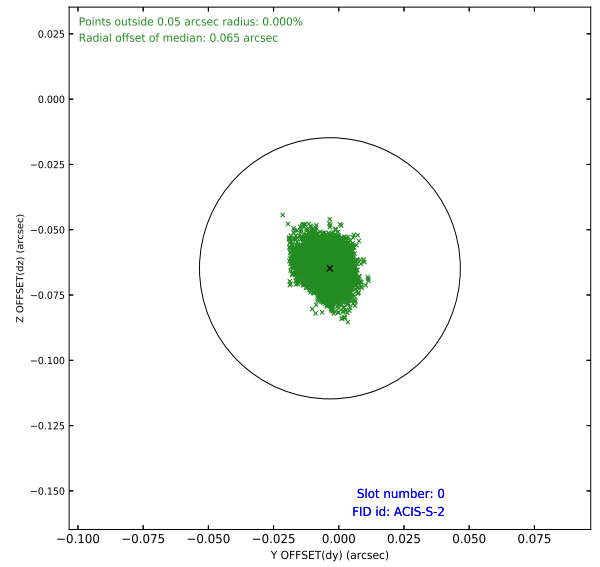
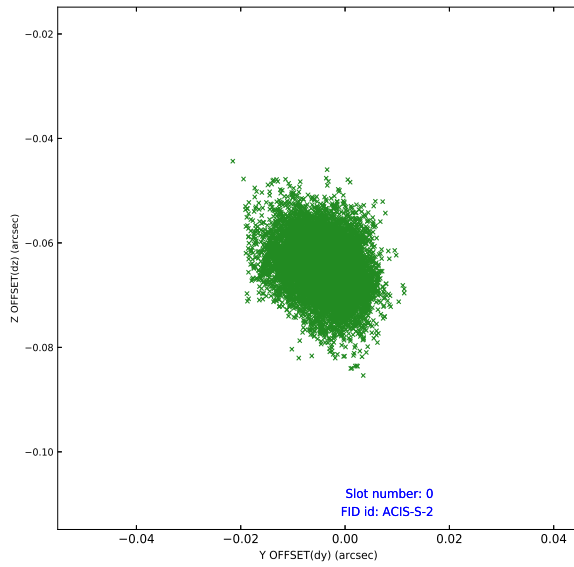


2.4.5 Slot 7

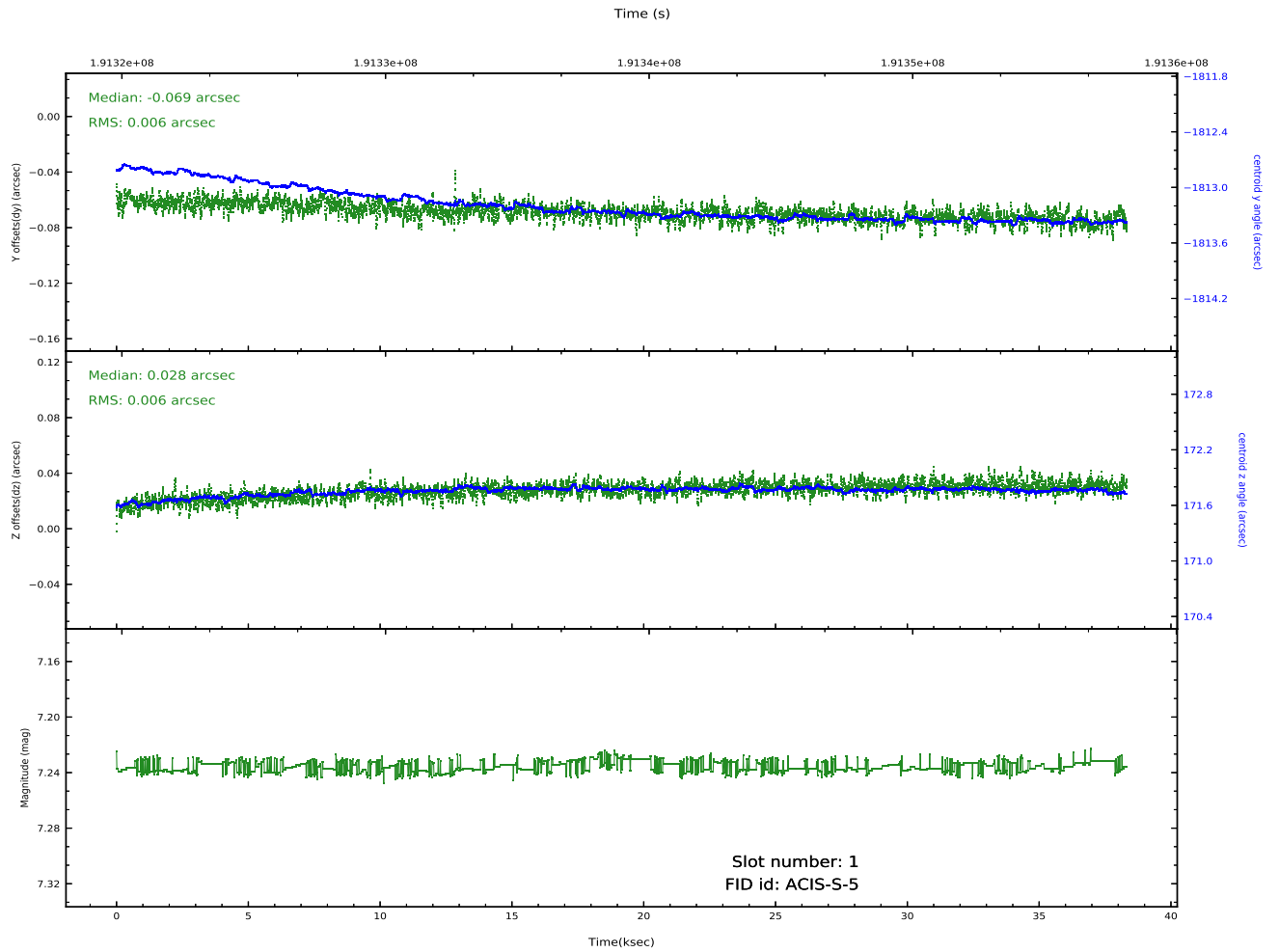
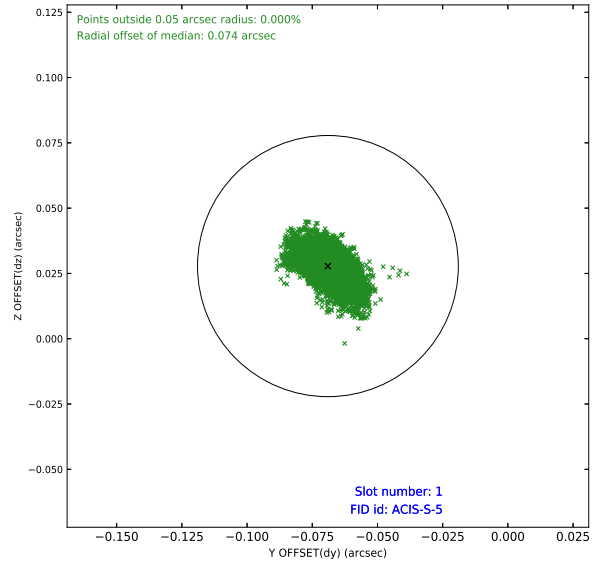
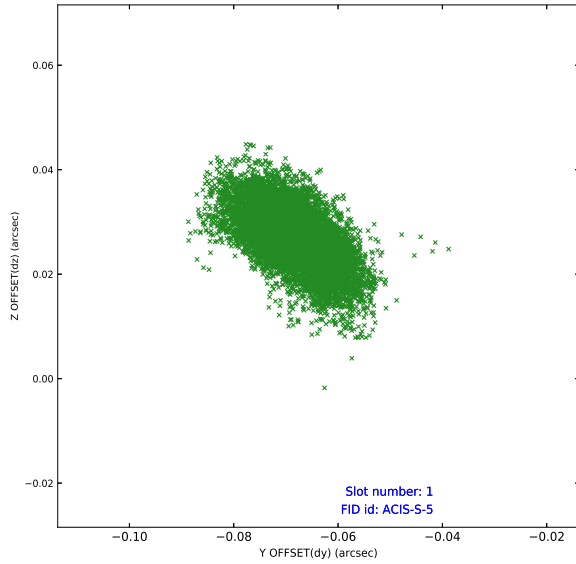


2.5 FID Slots

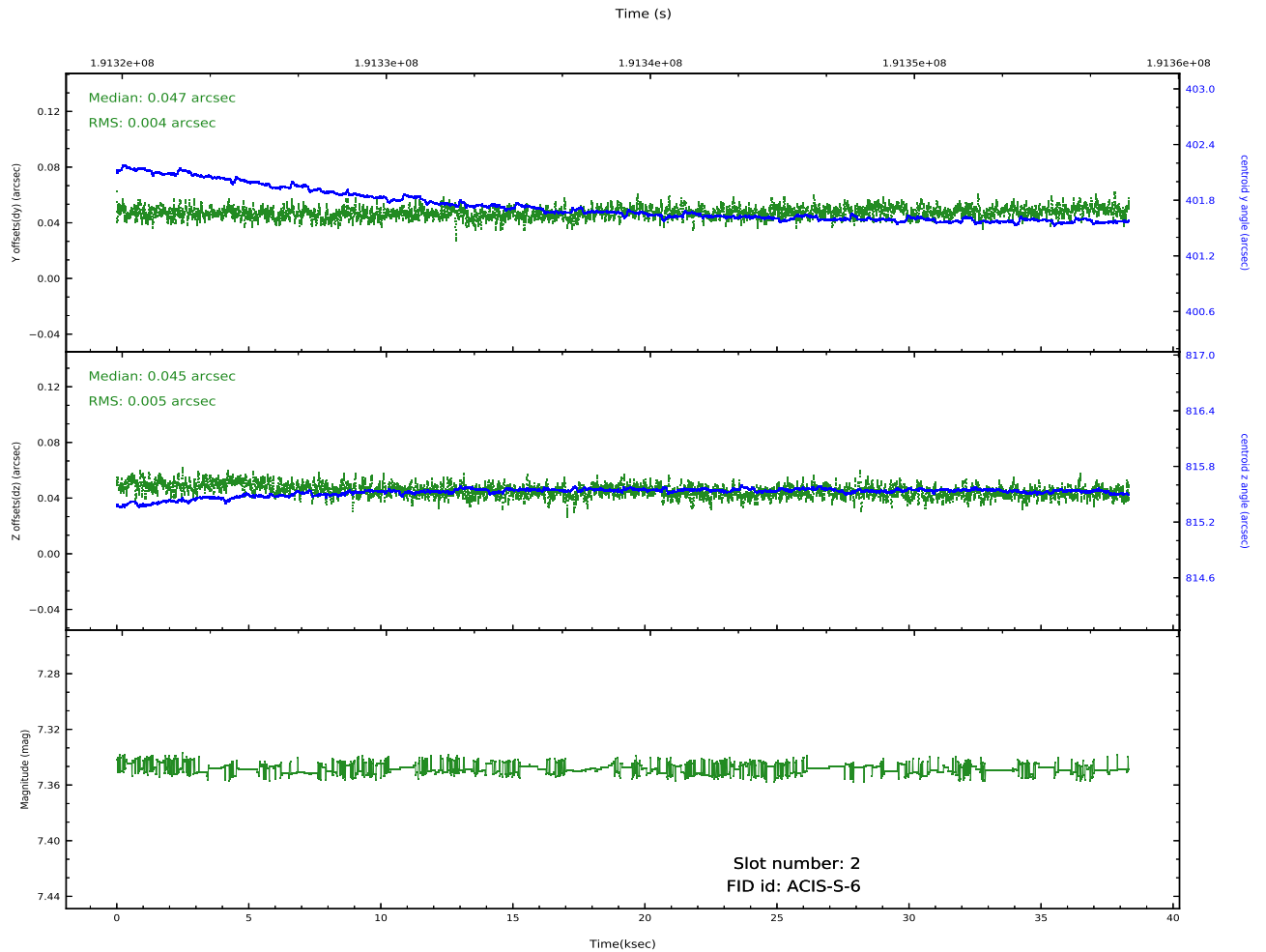
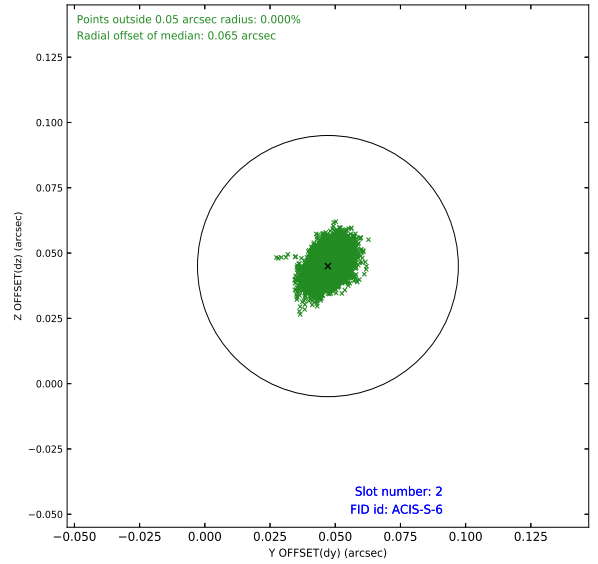
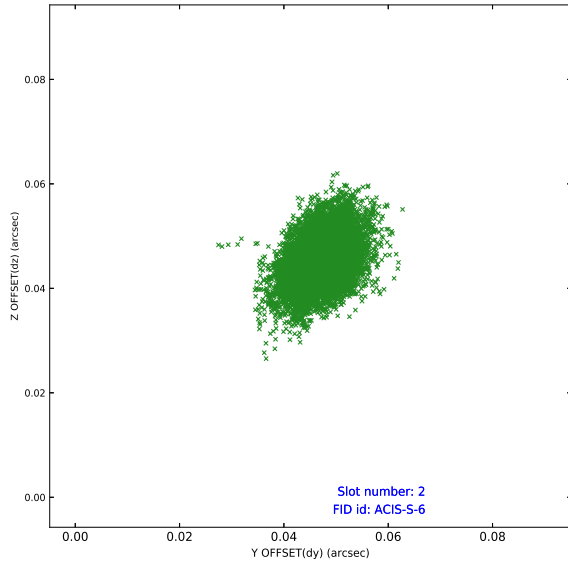
2.5.1 Slot 0



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	38.325

A.2 Comments

Joint proposal with HST.

Roll preference met.