

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4895 - L2 Version 4
Chandra X-Ray Center

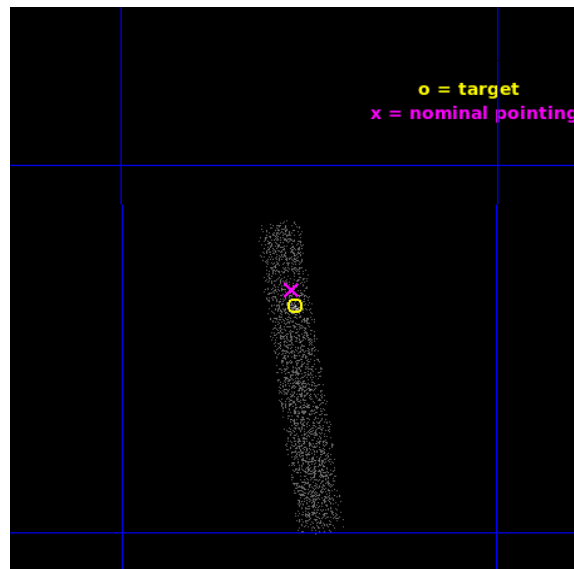
L2 Processing Date : Sep 23 2020

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1 Front

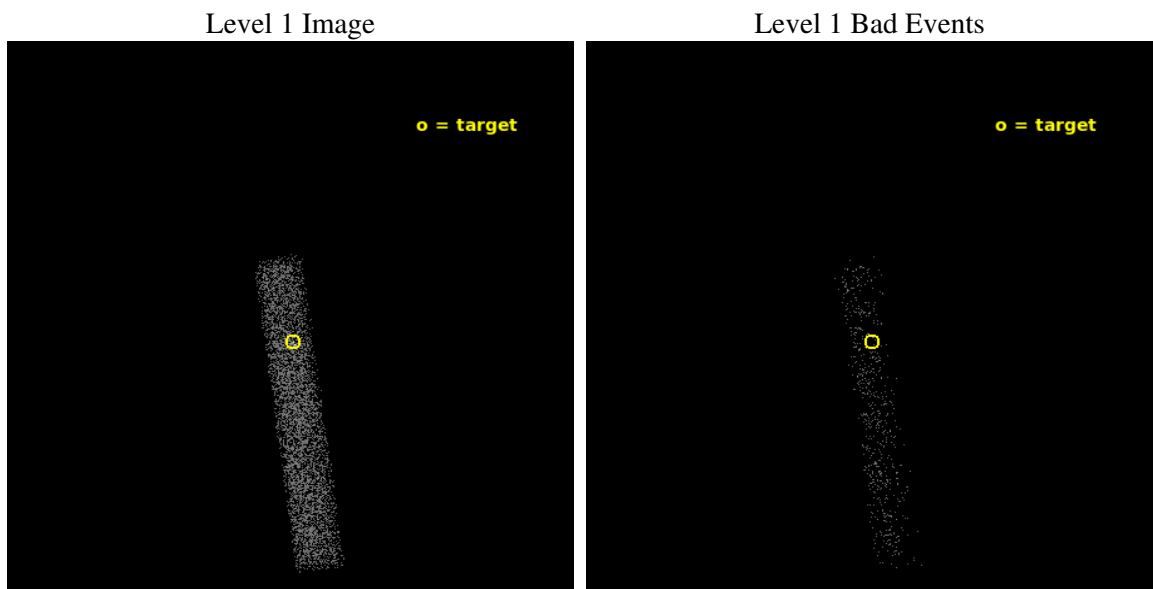
seq_num	700977	Sequence number
obs_id	4895	Observation id
title	Continuing a Flux-limited Survey for X-ray Emission from Radio Jets	
observer	Herman Marshall	Principal investigator
object	PKS 1421-490	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.134167	Observer's specified target RA [deg]
dec_targ	-49.230806	Observer's specified target Dec [deg]
ra_nom	216.1362718369	Nominal RA [deg]
dec_nom	-49.223328398559	Nominal Dec [deg]
roll_nom	82.360127211381	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6034.0000898838	Sum of GTIs [s]
livetime	5472.519580885	Livetime [s]
ontime7	6034.0000898838	Sum of GTIs [s]
l2events	3056	Number of level 2 events



2 OBI

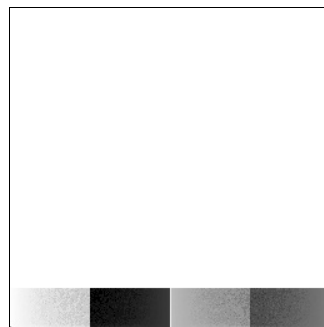
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5856.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	6034.0000898838	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	6034.0000898838	Sum of GTIs [s]
date	2020-09-23T12:48:04	Date and time of file creation	l1events	7780	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

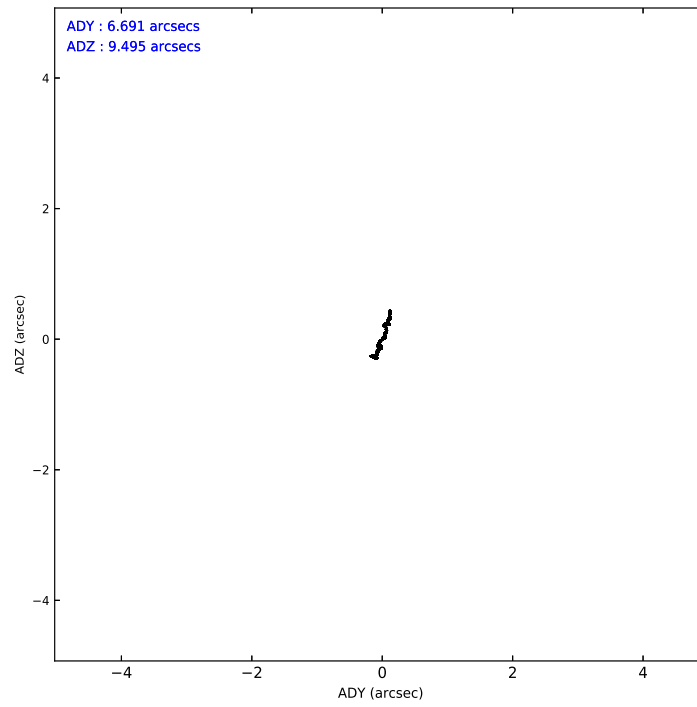
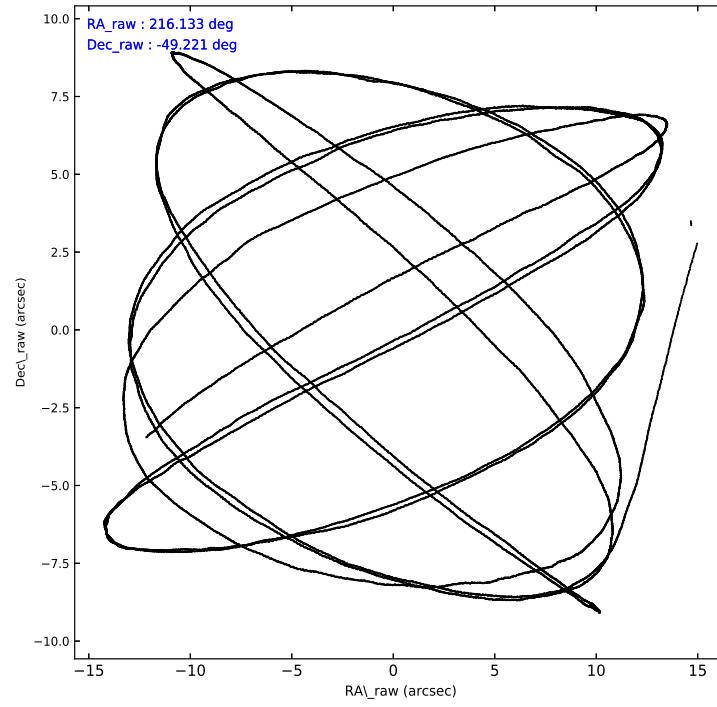
	ccd 7
level 1 events	7780
rejected events	4467
rejected %	57%

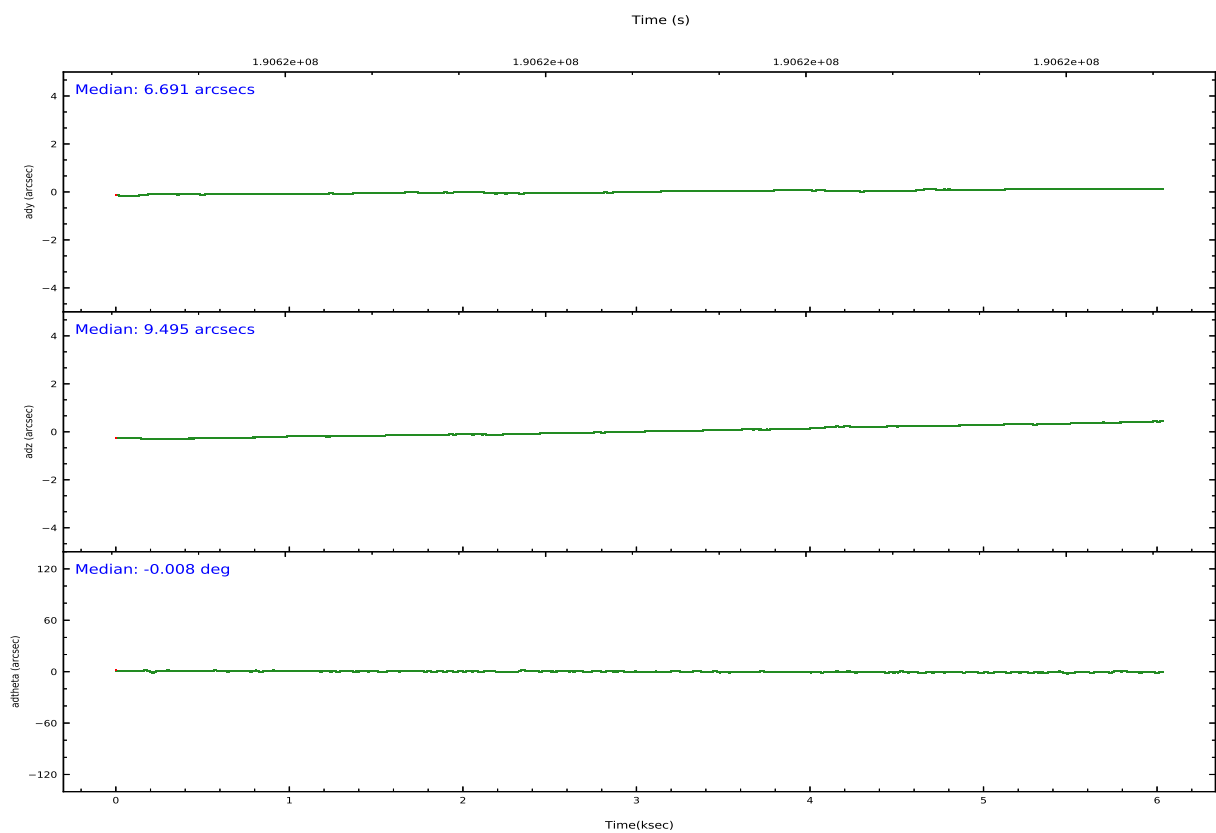
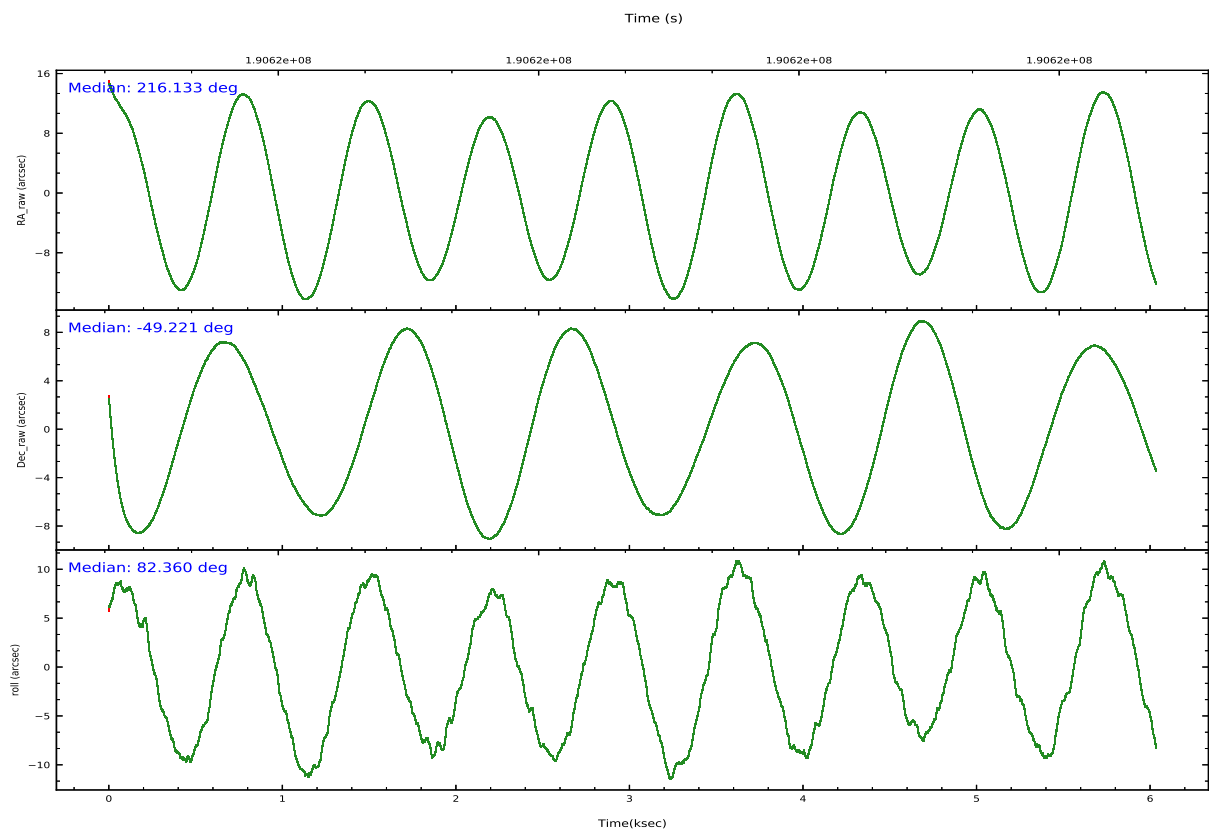
	ccd 7
grade 0 events	424
	5%
grade 1 events	6
	0%
grade 2 events	666
	8%
grade 3 events	483
	6%
grade 4 events	468
	6%
grade 5 events	654
	8%
grade 6 events	1700
	21%
grade 7 events	3379
	43%

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	216.148746	216.1362718369	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-49.246063	-49.223328398559	Subarray start row	1	1
[deg] Pointing Roll	82.214233	82.360127211381	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	-178.632523	-178.6395878605364			
[mm] SIM translation stage offset	-11.5	-11.49293472247138			
[s] Observation start time (MET)	190614202.184000	190613181.00502			
Observation start date	2004-01-16T04:22:18	2004-01-16T04:06:21			
[s] Observation end time (MET)	190620058.184000	190620925.90536			
Observation end date	2004-01-16T05:59:54	2004-01-16T06:15:25			
Read mode	TIMED	TIMED			

2.3 Aspect



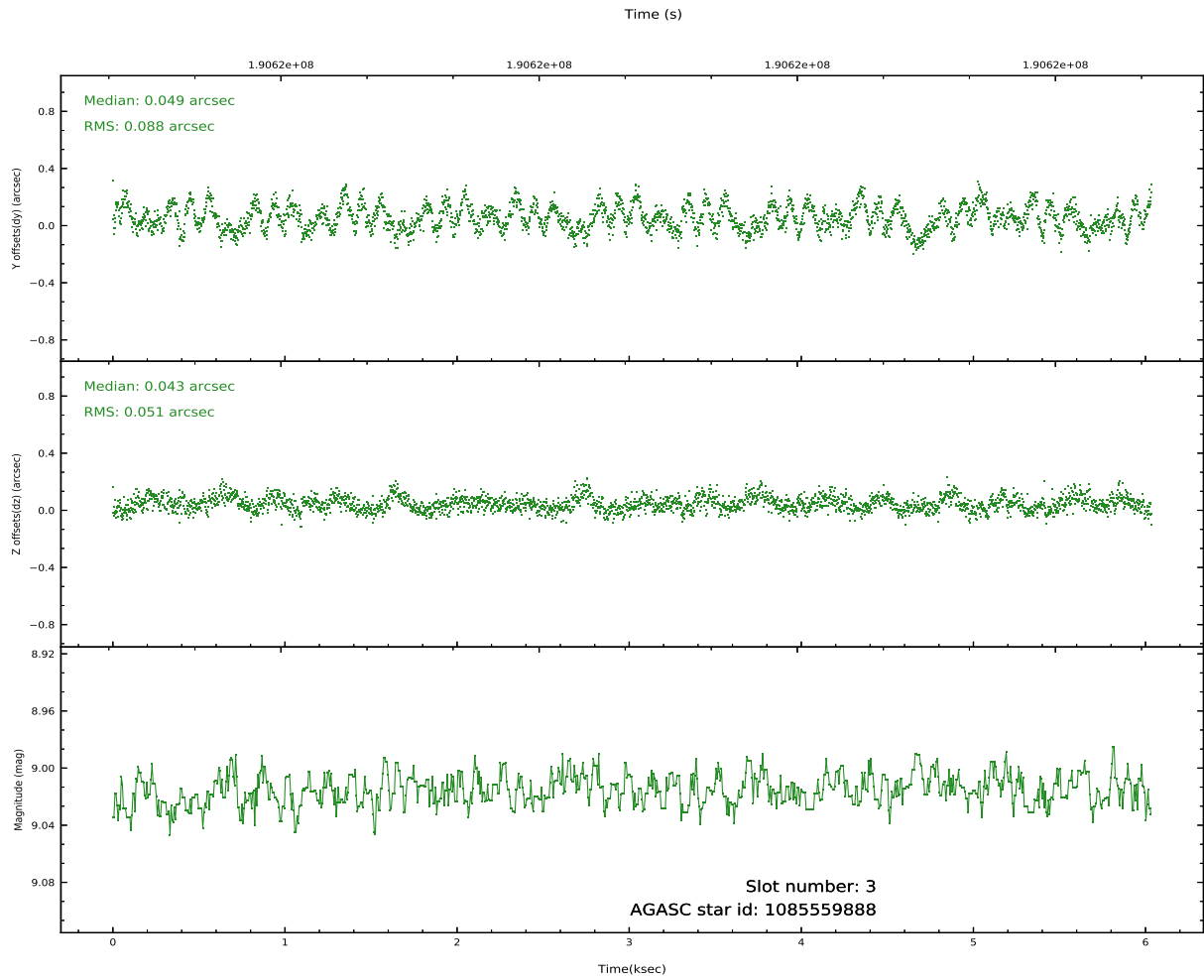
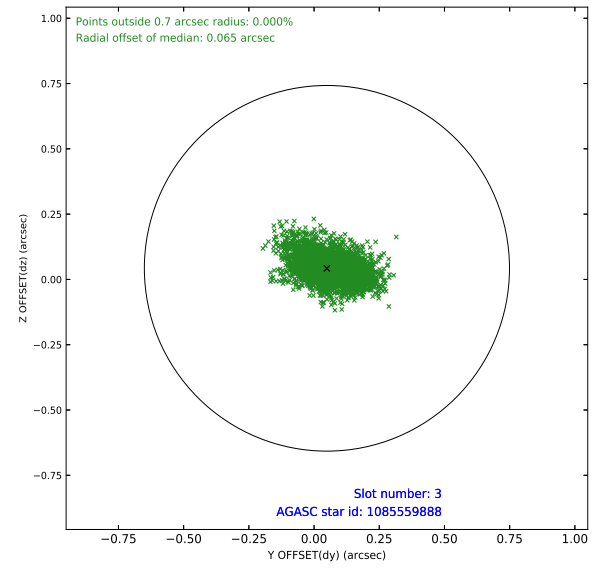
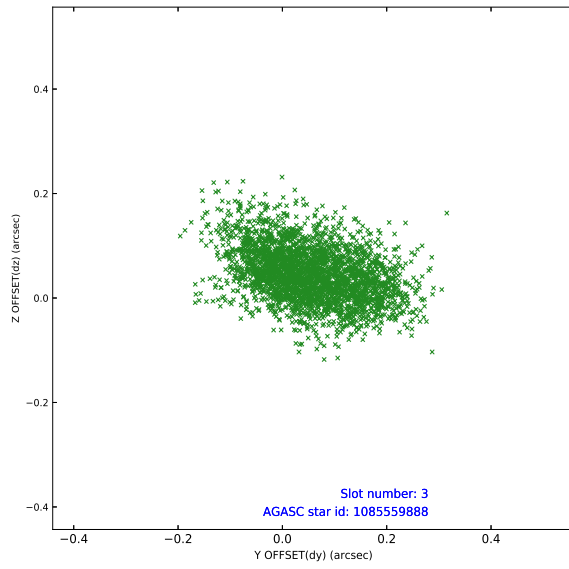


Slot Statistics

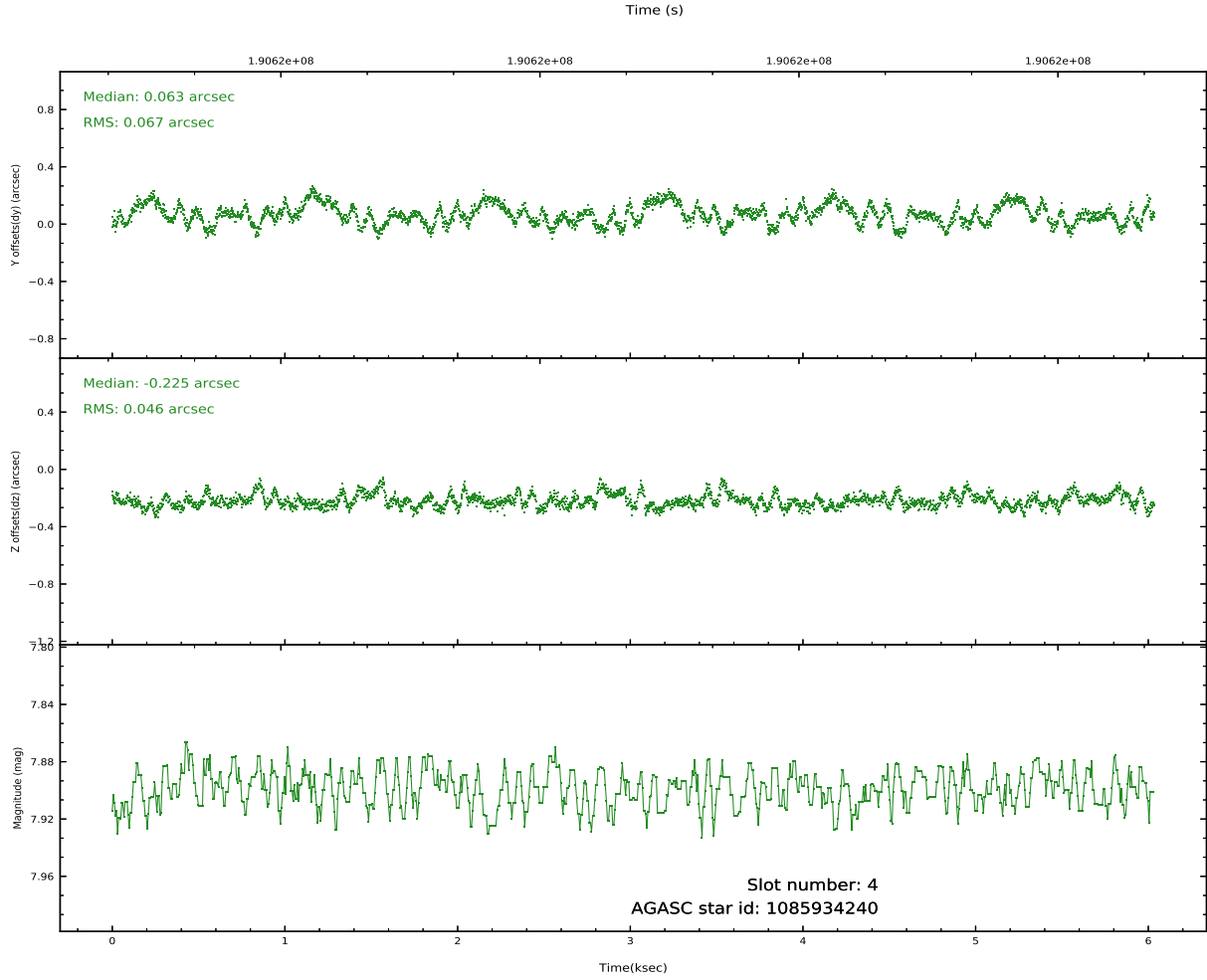
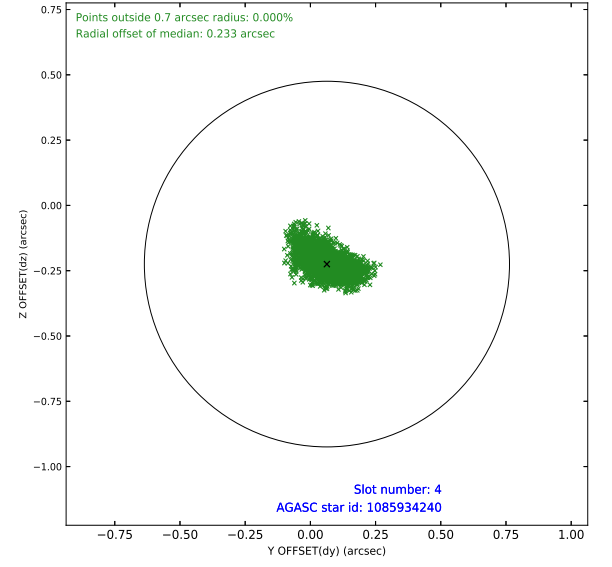
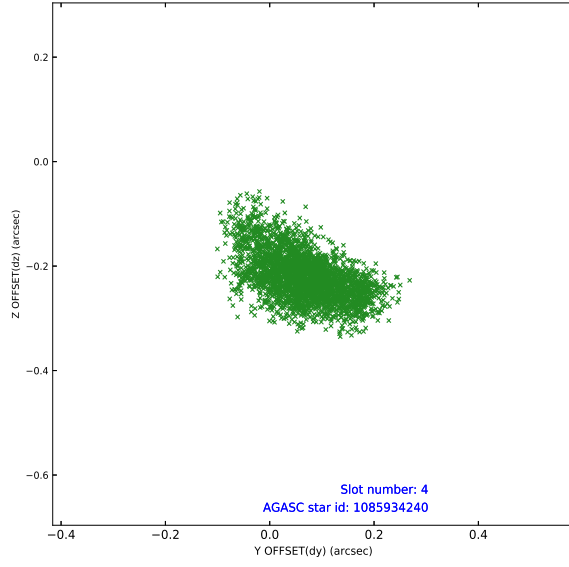
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1473	1.000	0.037	0.232	0.012	0.018	0.000000	0.000000	937.59	-1962
1	FID		ACIS-S-2	7.08	1472	1.000	-0.213	-0.254	0.008	0.014	0.000000	0.000000	-758.01	-1968
2	FID		ACIS-S-6	7.43	1473	1.000	0.157	0.024	0.008	0.012	0.000000	0.000000	402.80	577
3	GUIDE	used	1085559888	9.02	2945	1.000	0.049	0.043	0.108	0.179	217.249097	-48.696948	2294.51	-2324
4	GUIDE	used	1085934240	7.90	2944	1.000	0.063	-0.225	0.086	0.145	215.229893	-49.366645	-734.14	2073
5	GUIDE	used	1085941048	9.58	2945	1.000	0.138	-0.142	0.103	0.170	215.130117	-49.703595	-1969.32	2125
6	GUIDE	used	1085947088	9.38	2944	1.000	0.088	0.134	0.088	0.150	216.086243	-49.693679	-1616.73	-72
7	GUIDE	used	1085562712	7.11	2944	1.000	-0.343	0.179	0.059	0.098	216.822277	-48.636295	2384.15	-1290

2.4 Star Slots

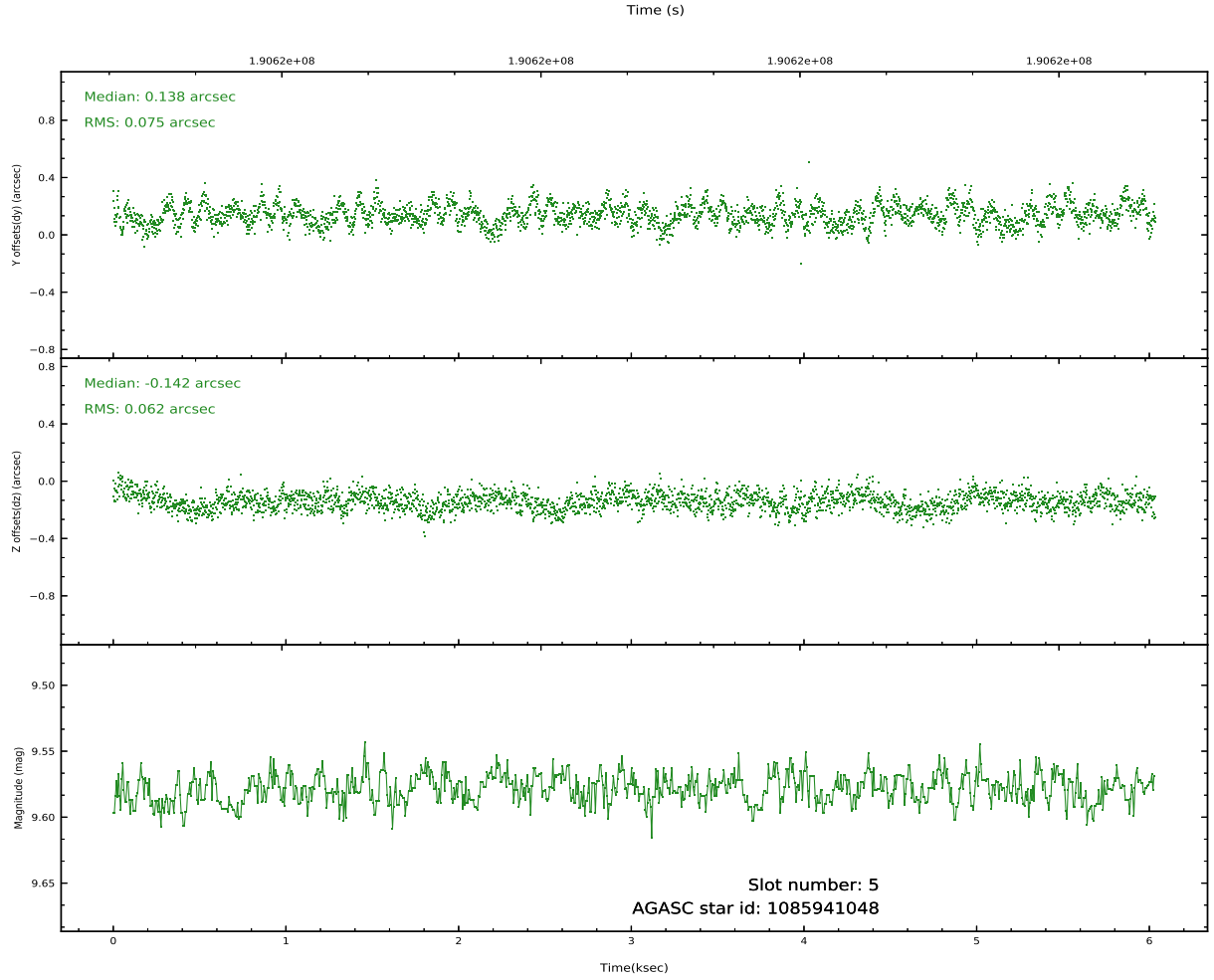
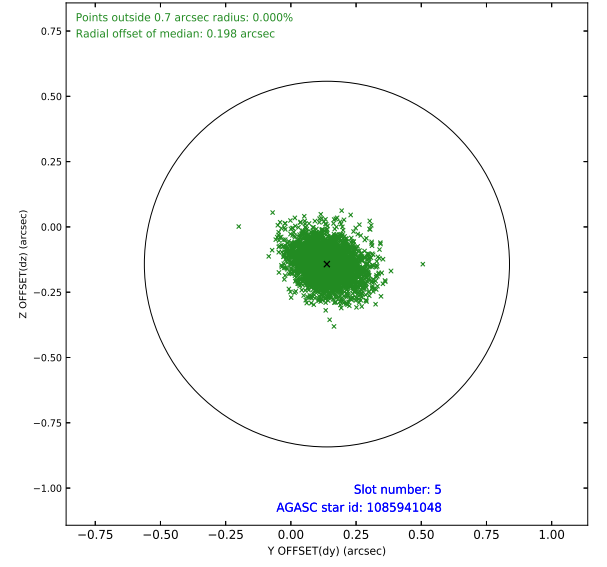
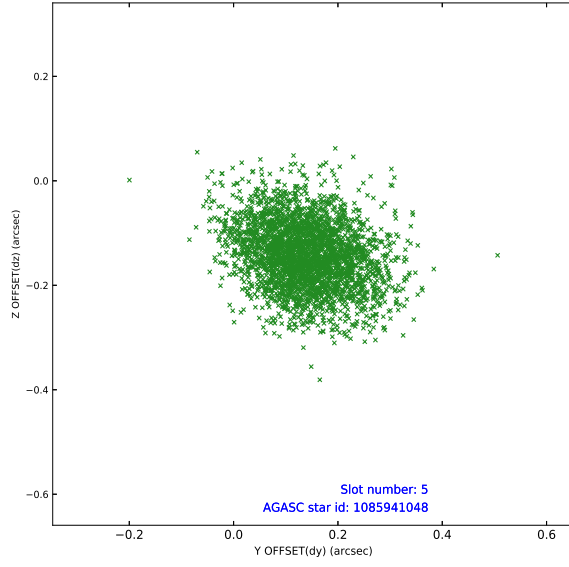
2.4.1 Slot 3



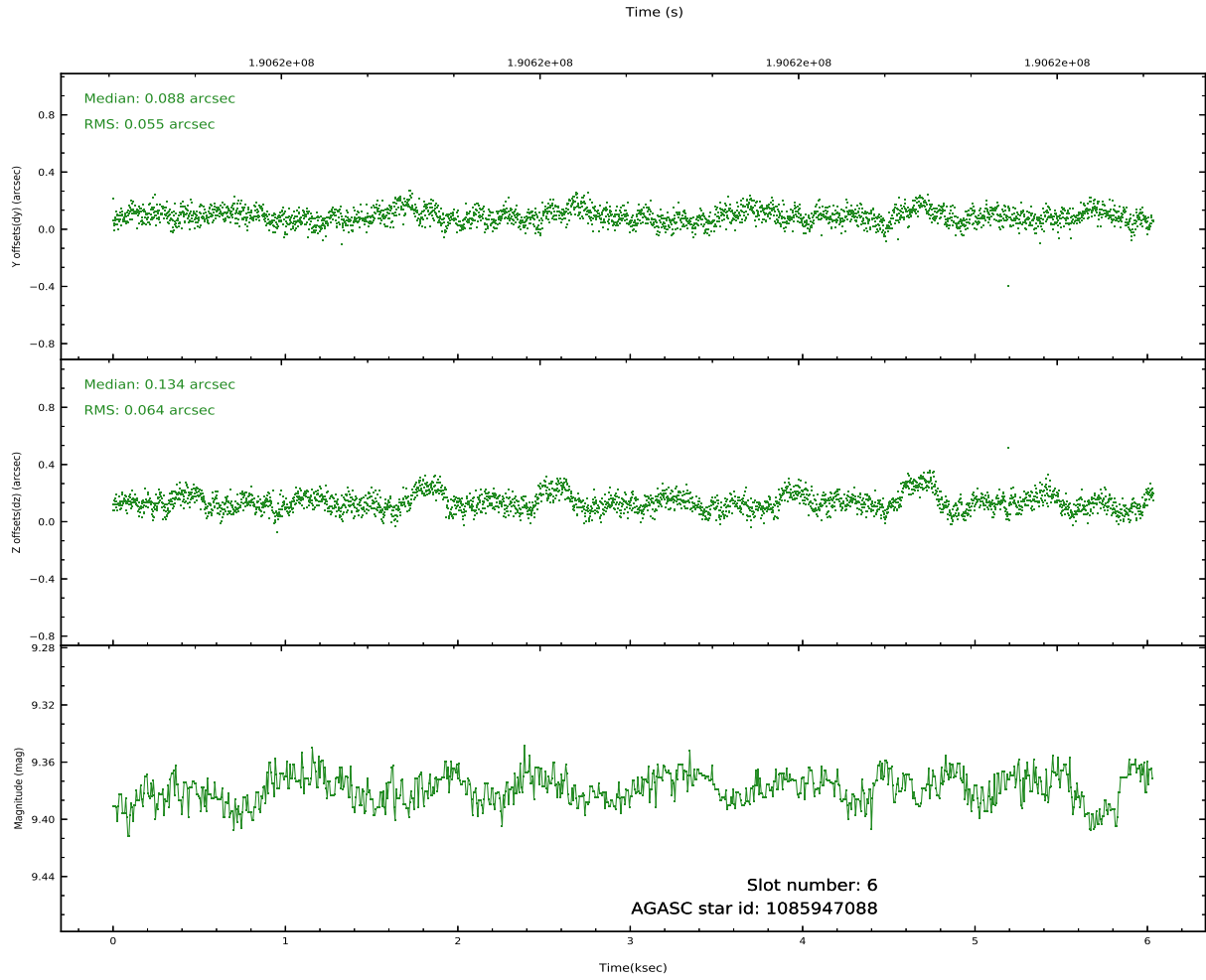
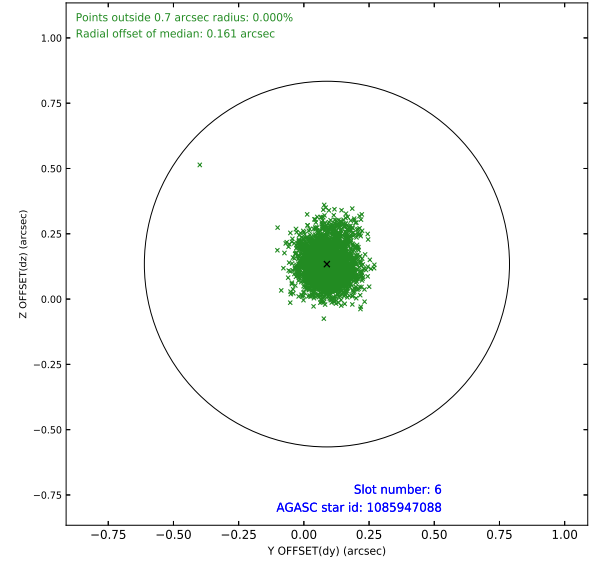
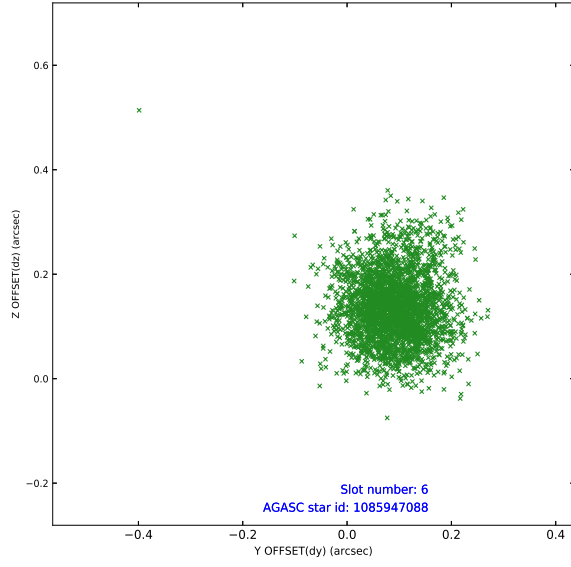
2.4.2 Slot 4



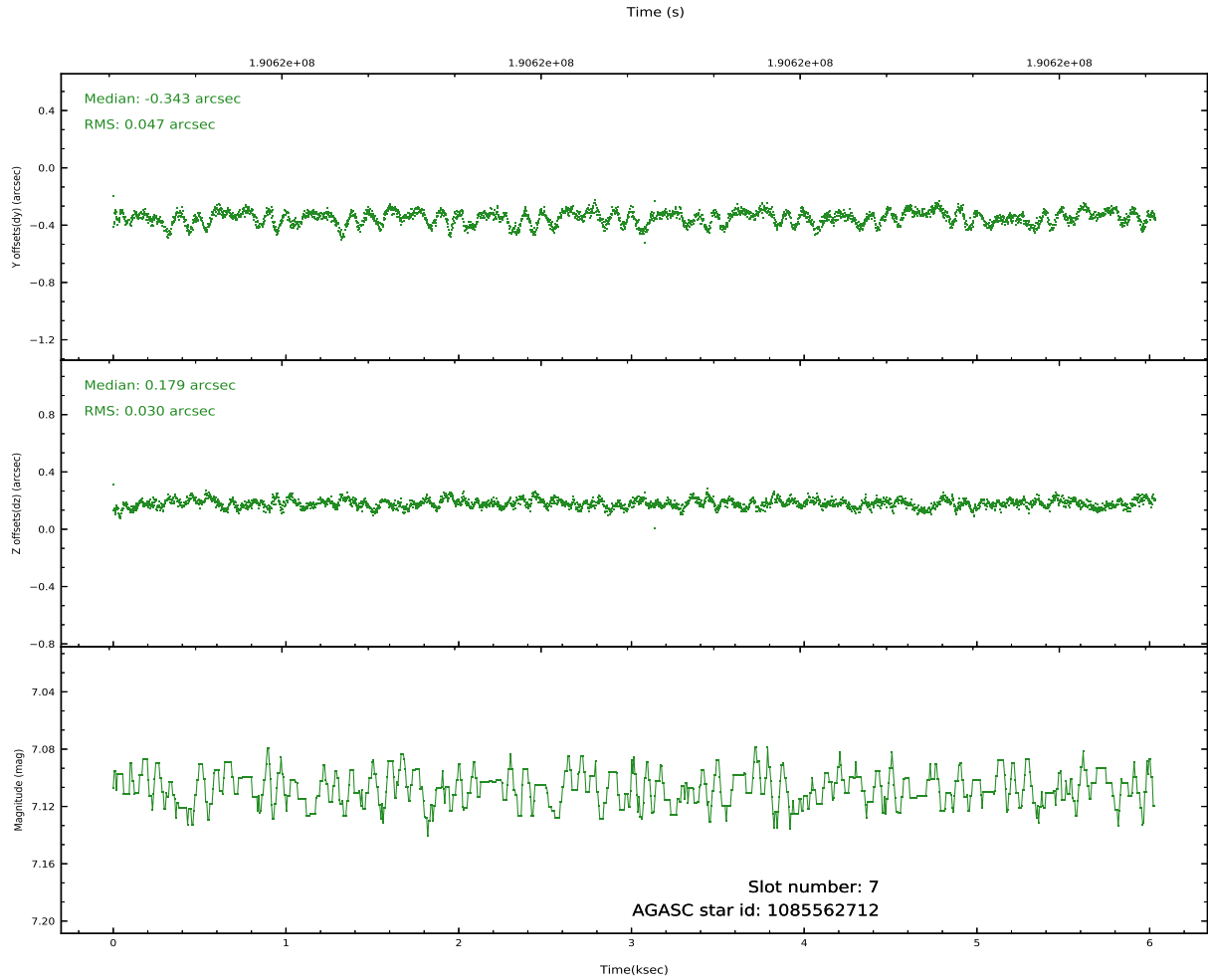
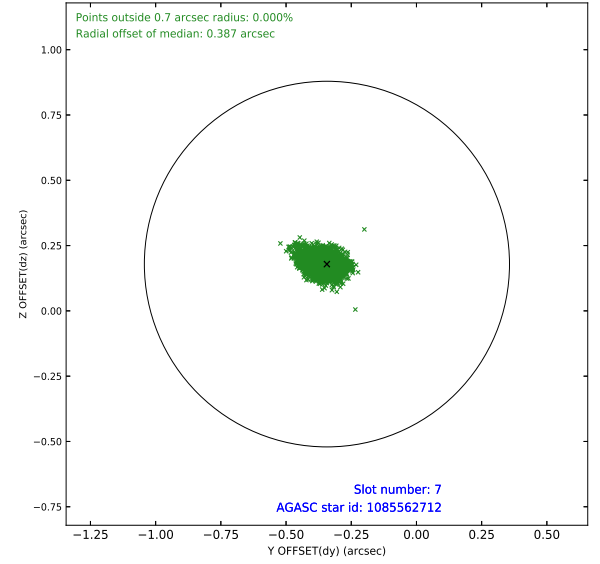
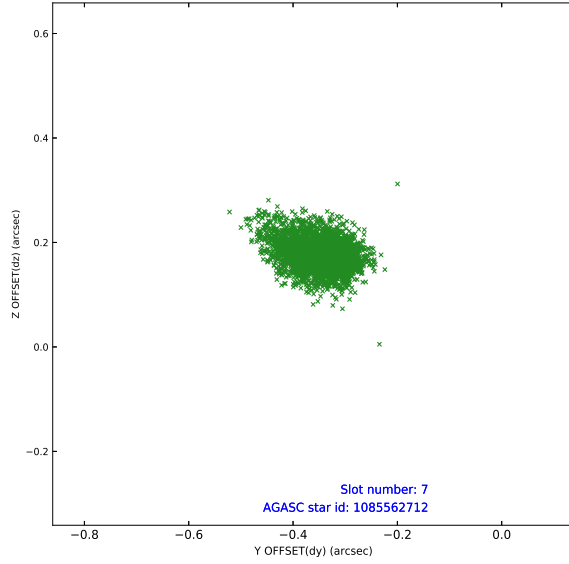
2.4.3 Slot 5



2.4.4 Slot 6

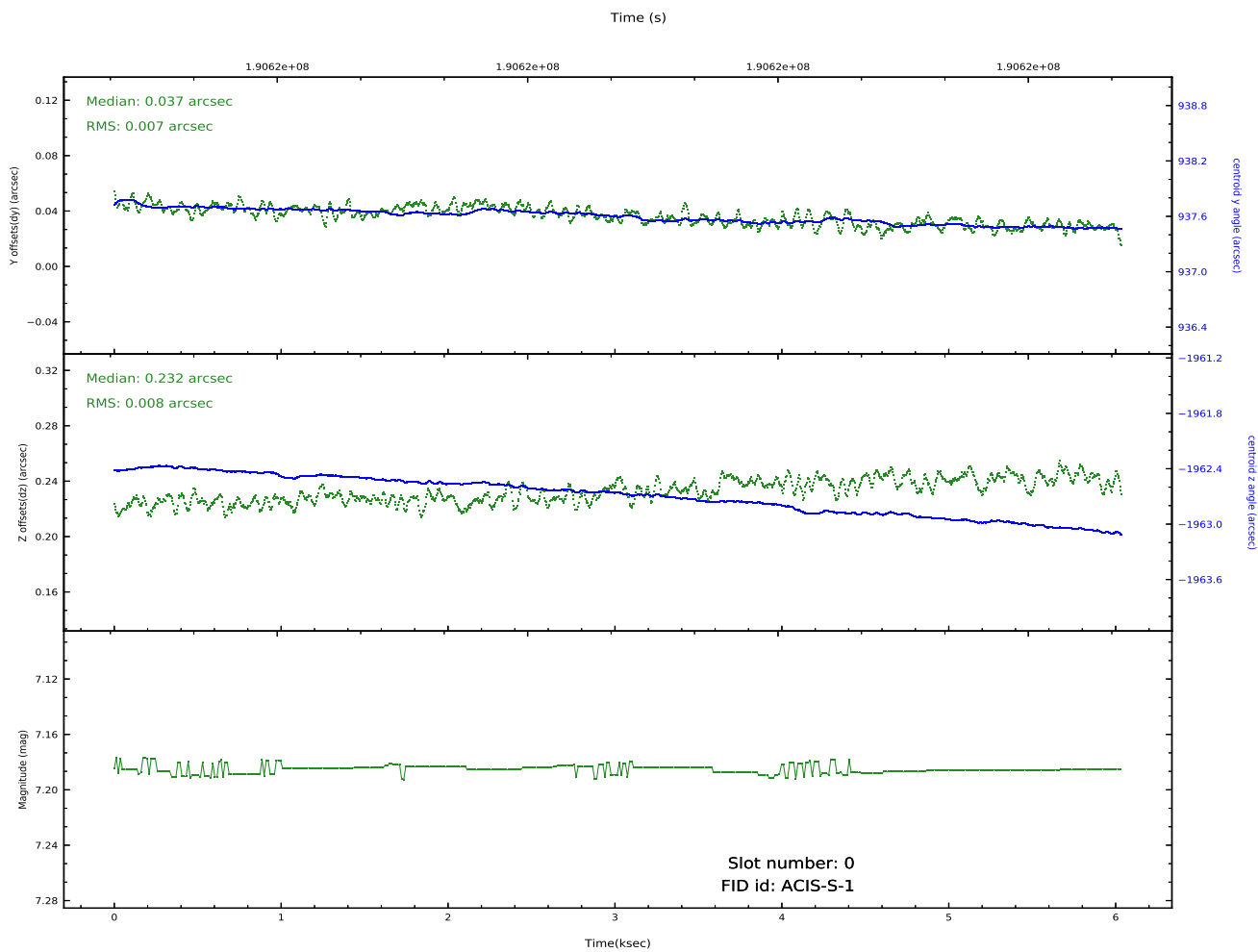
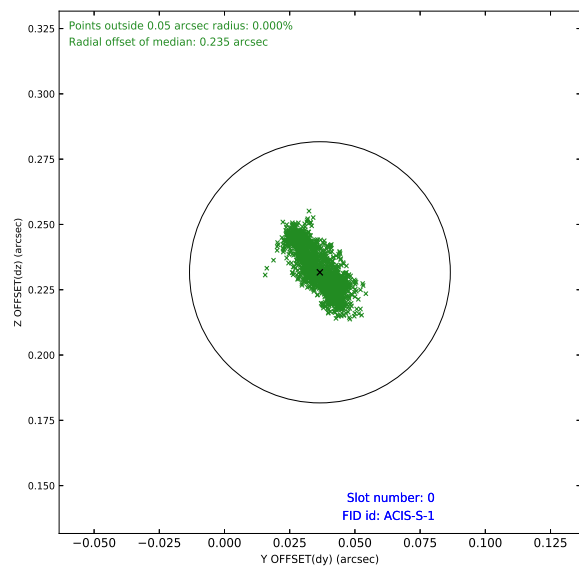
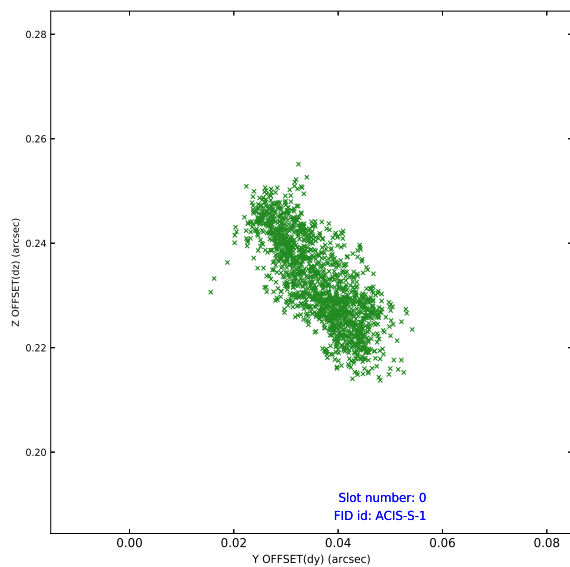


2.4.5 Slot 7

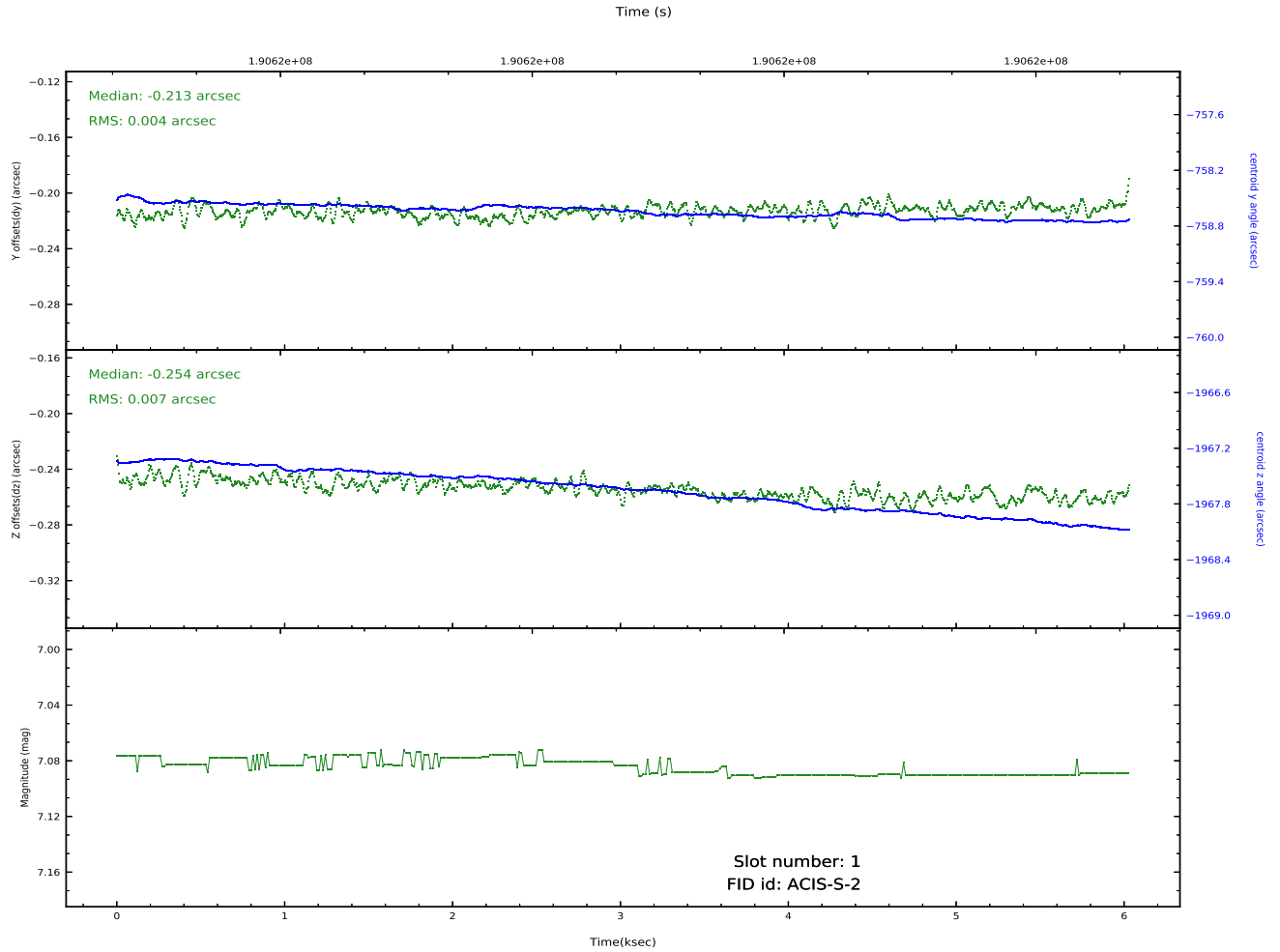
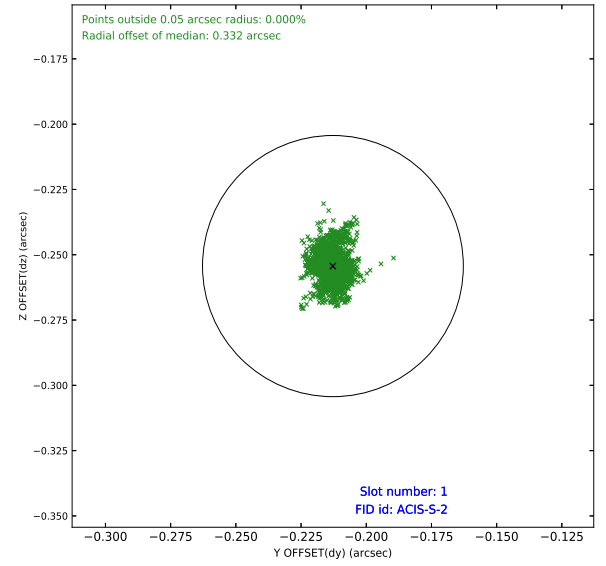
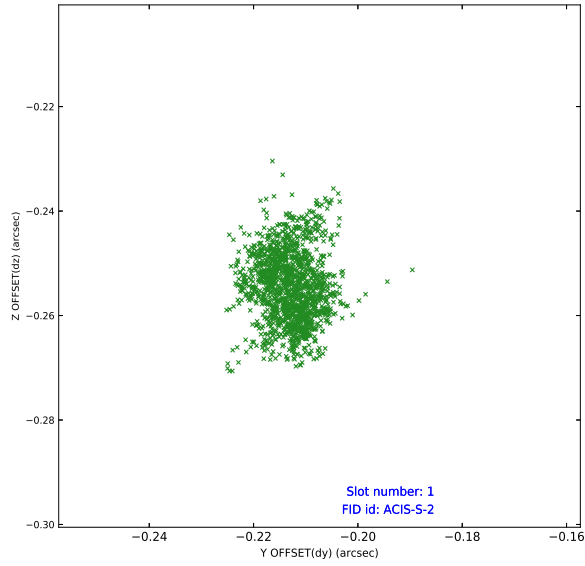


2.5 FID Slots

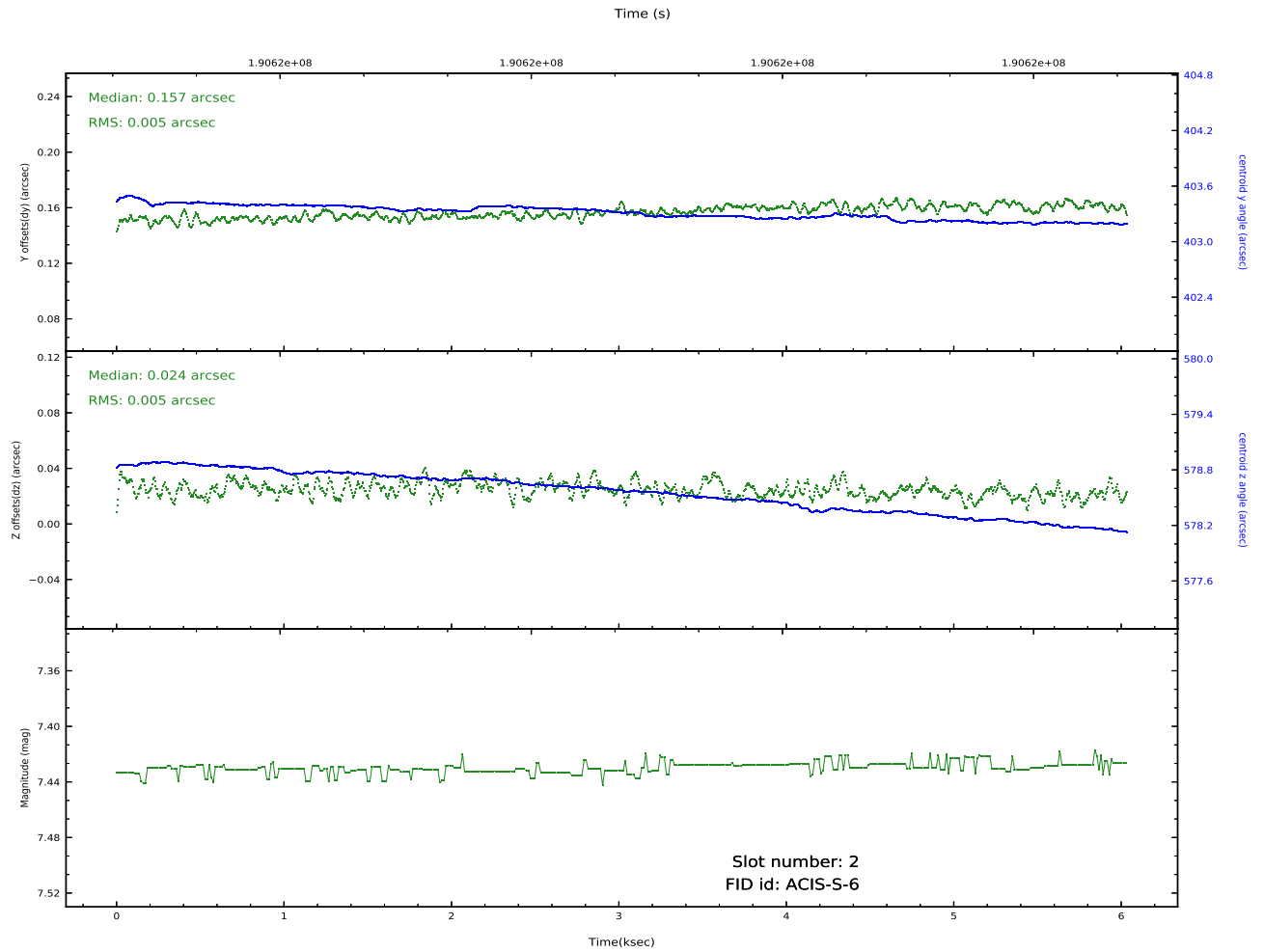
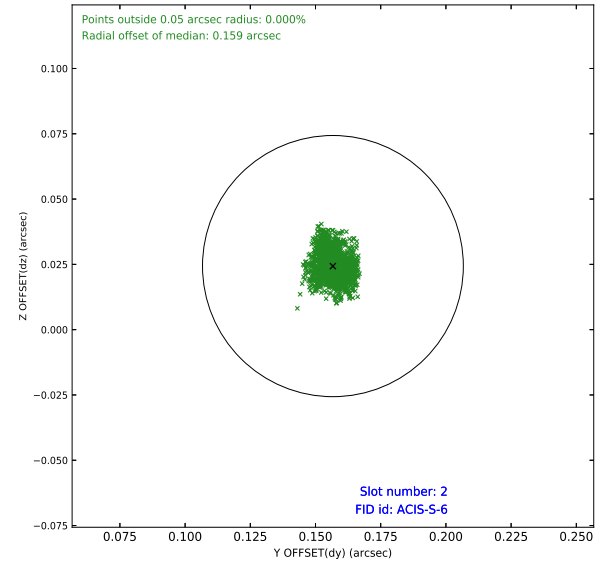
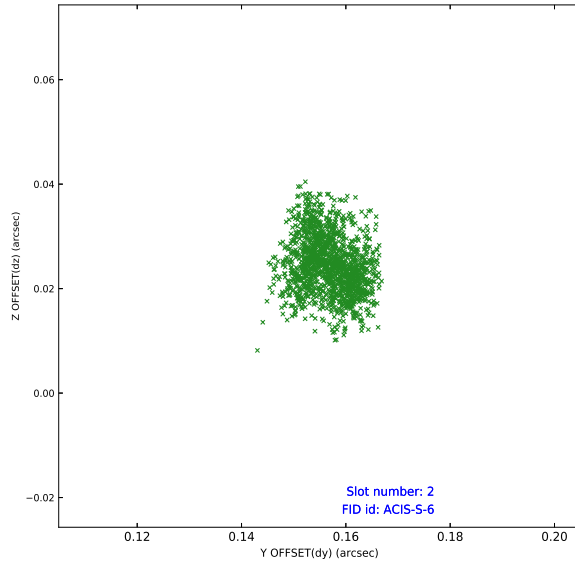
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.034

A.2 Comments