

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4804 - L2 Version 4
Chandra X-Ray Center

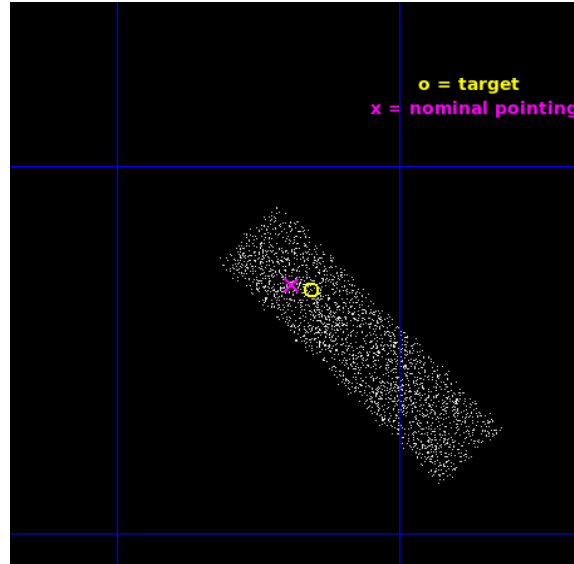
L2 Processing Date : Sep 22 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

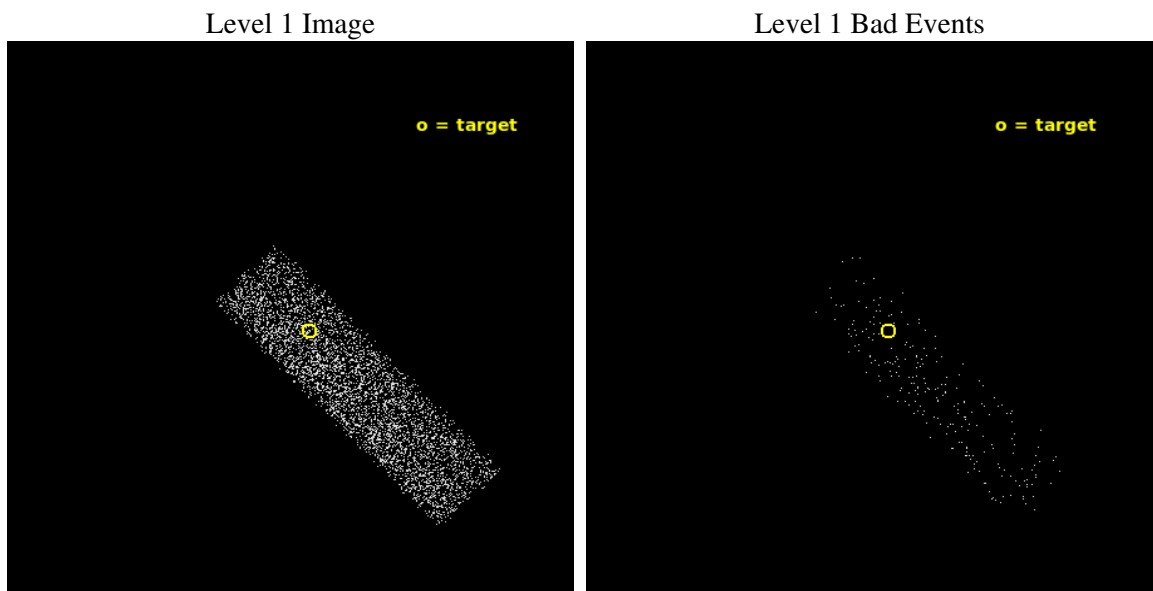
seq_num	700887	Sequence number
obs_id	4804	Observation id
title	Unveiling the engine powering OH Gigamaser sources through X-rays. A well-defined Chandra survey	Proposal title
observer	Cristian Vignali	Principal investigator
object	IRAS FSC 08279+0956	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.664167	Observer's specified target RA [deg]
dec_targ	9.77675	Observer's specified target Dec [deg]
ra_nom	127.67262337694	Nominal RA [deg]
dec_nom	9.7793298216558	Nominal Dec [deg]
roll_nom	46.240245705094	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4602.3590286076	Sum of GTIs [s]
livetime	4377.7789675712	Livetime [s]
ontime7	4602.3590286076	Sum of GTIs [s]
l2events	2662	Number of level 2 events



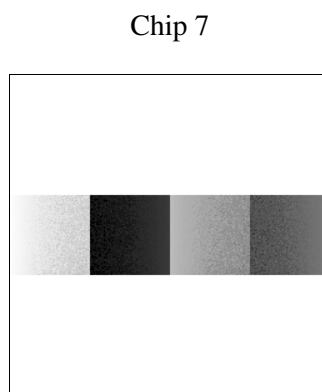
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4414.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4602.3590286076	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	4602.3590286076	Sum of GTIs [s]
date	2020-09-22T04:05:59	Date and time of file creation	l1events	10359	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

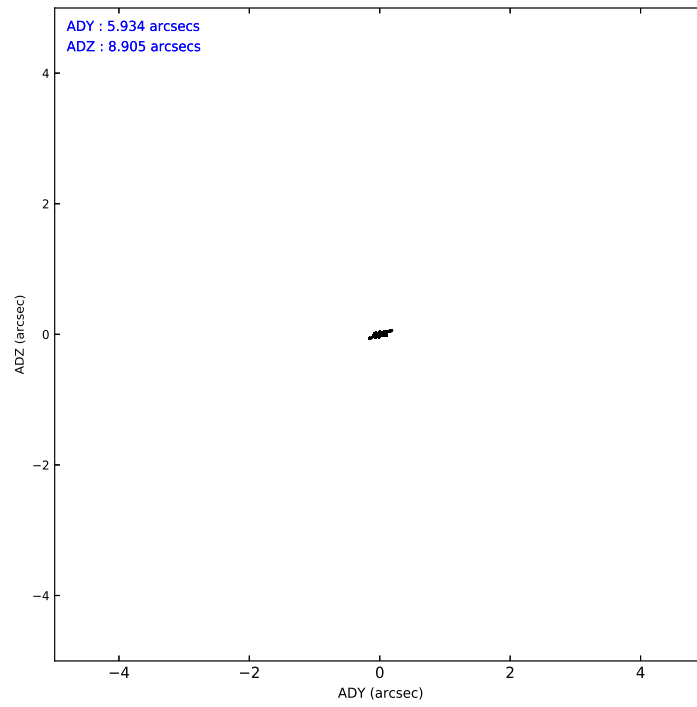
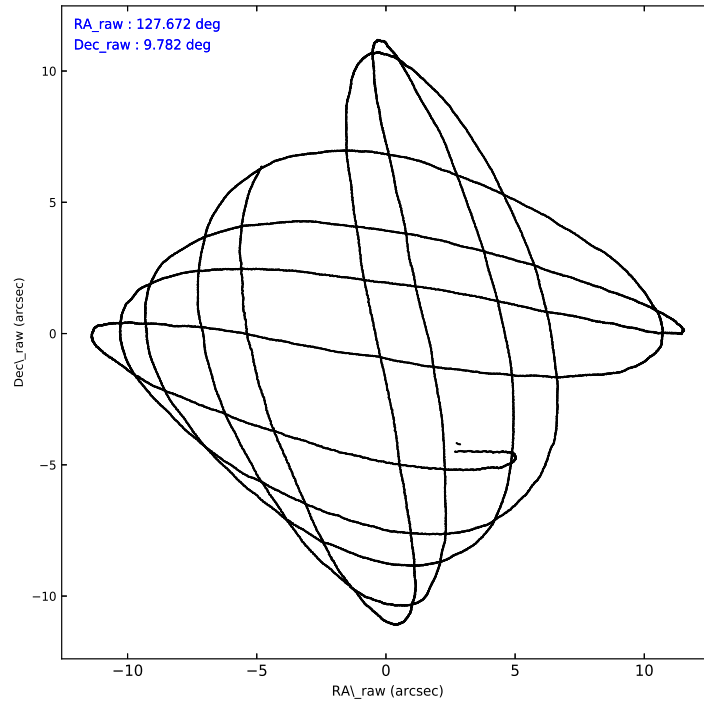
	ccd 7
level 1 events	10359
rejected events	7577
rejected %	73%

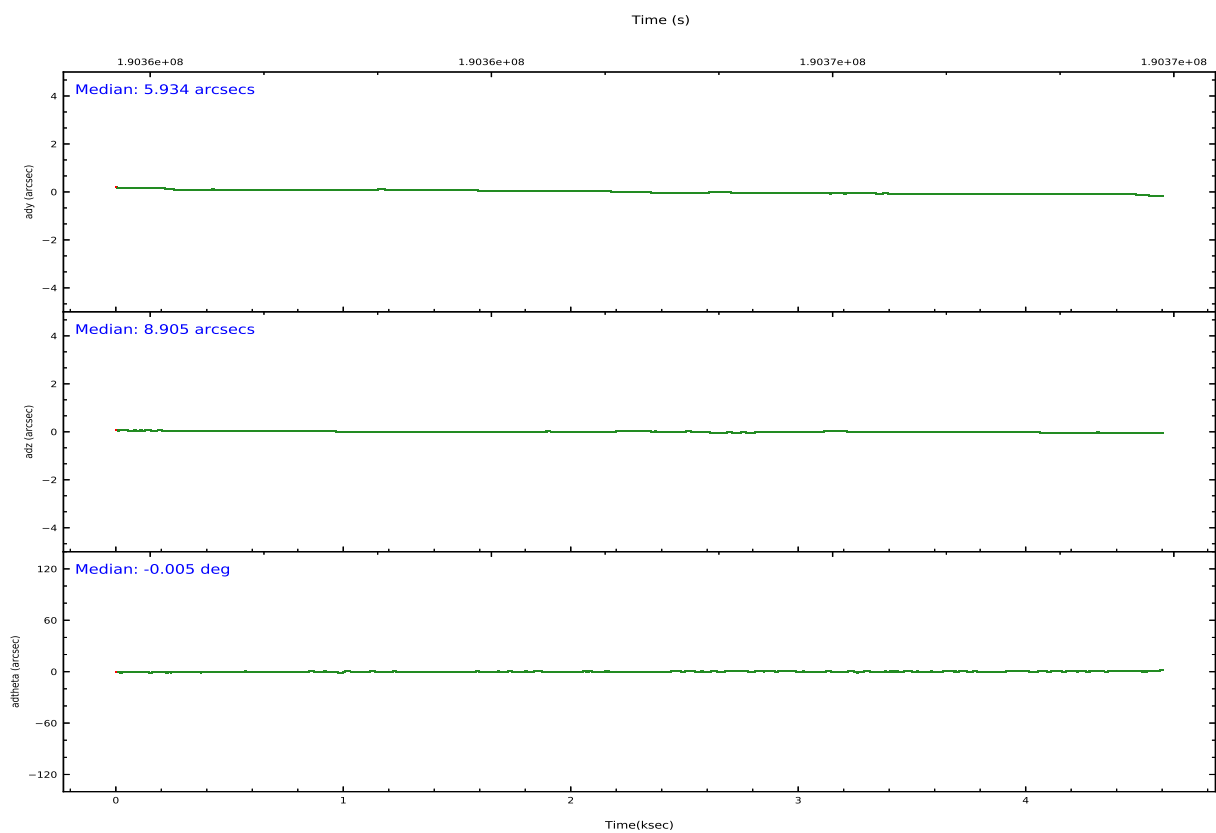
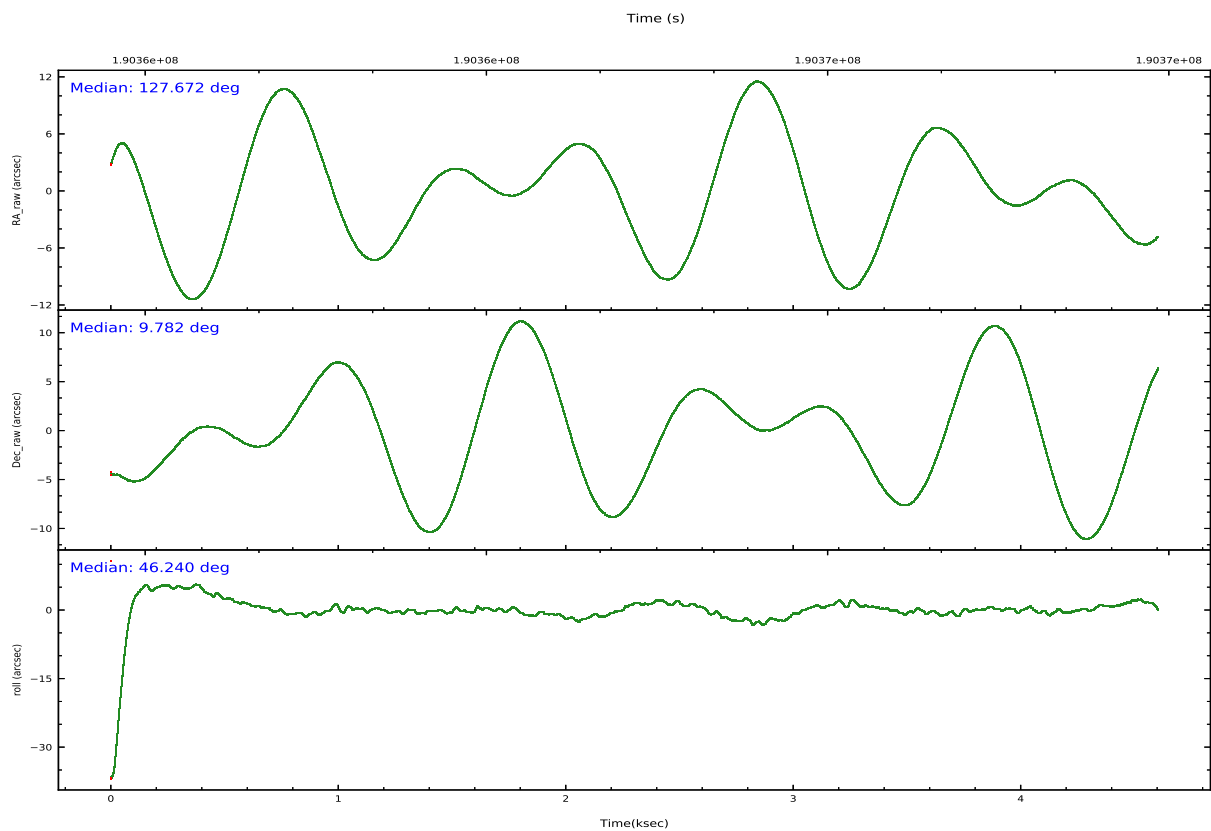
	ccd 7
grade 0 events	1361
	13%
grade 1 events	10
	0%
grade 2 events	1574
	15%
grade 3 events	851
	8%
grade 4 events	784
	7%
grade 5 events	741
	7%
grade 6 events	2716
	26%
grade 7 events	2322
	22%

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	127.665883	127.67262337694	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	9.755921	9.7793298216558	Subarray start row	385	385
[deg] Pointing Roll	46.083133	46.240245705094	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	190363039.184000	190361626.00656			
Observation start date	2004-01-13T06:36:15	2004-01-13T06:13:46			
[s] Observation end time (MET)	190367453.184000	190367959.99434			
Observation end date	2004-01-13T07:49:49	2004-01-13T07:59:19			
Read mode	TIMED	TIMED			

2.3 Aspect



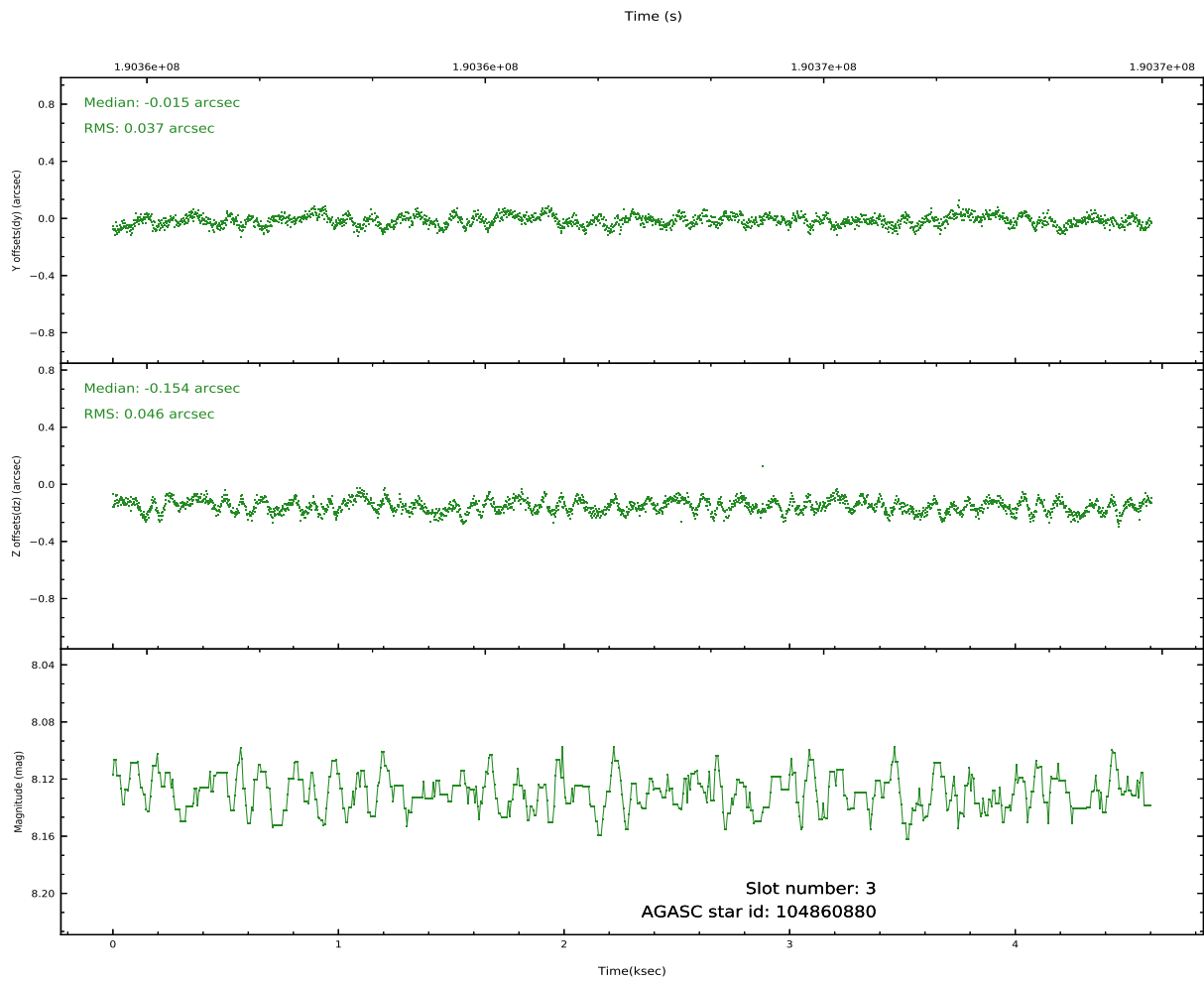
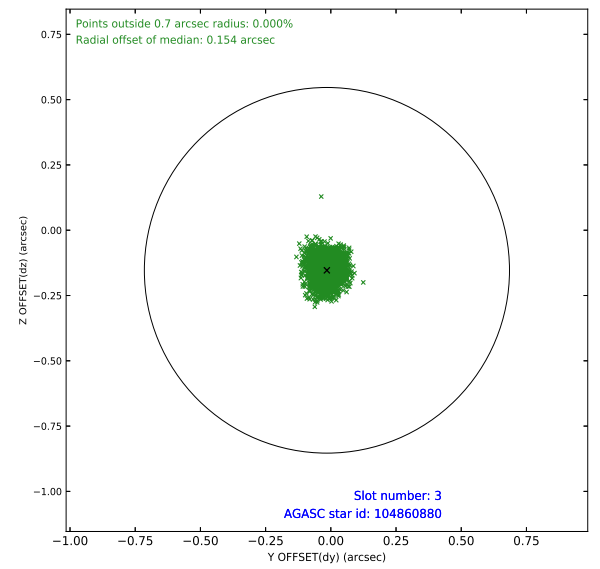
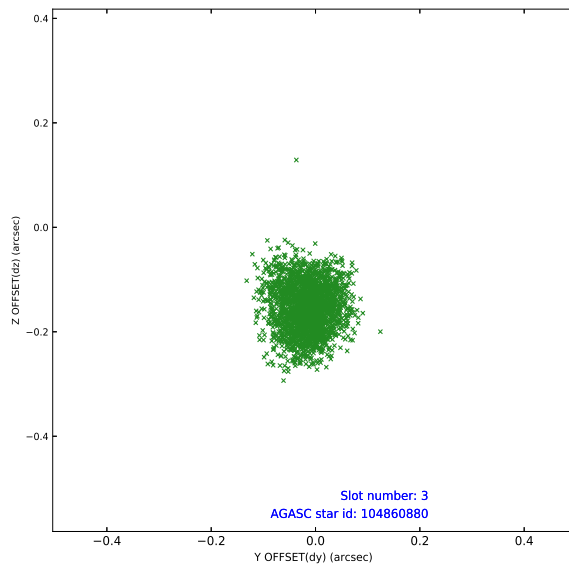


Slot Statistics

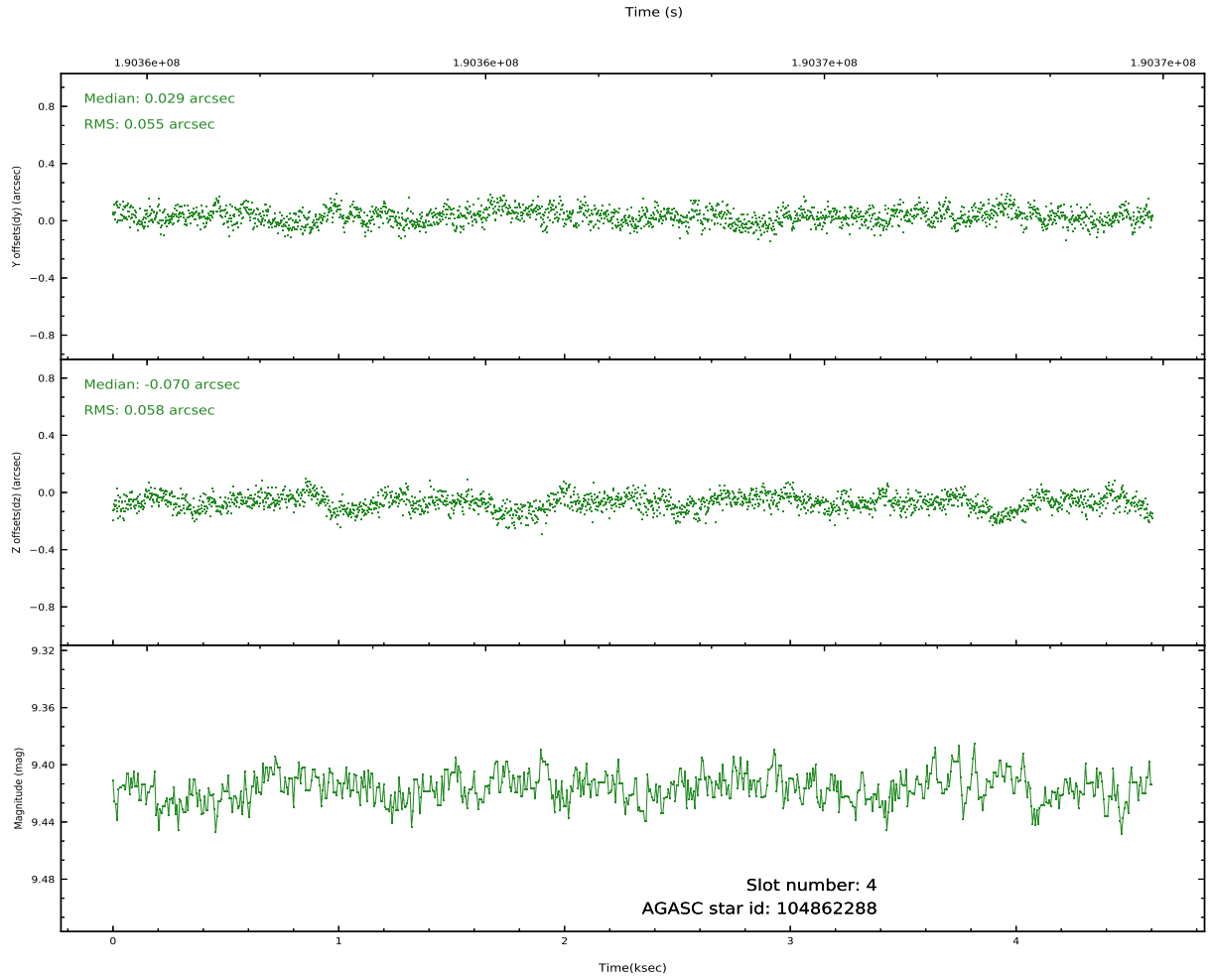
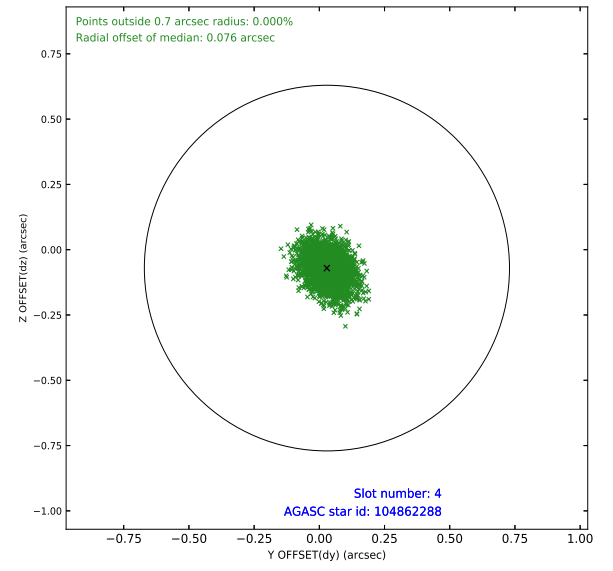
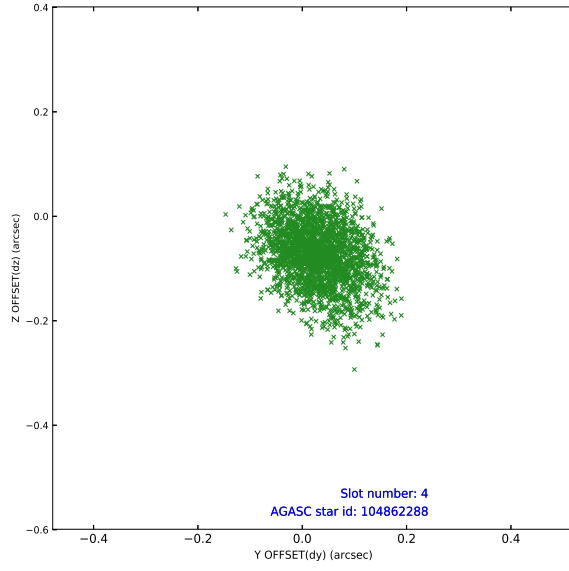
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1120	1.000	-0.073	-0.072	0.007	0.011	0.000000	0.000000	-758.71	-1730
1	FID		ACIS-S-4	7.20	1123	1.000	0.138	0.054	0.006	0.011	0.000000	0.000000	2154.15	177
2	FID		ACIS-S-5	7.22	1123	1.000	-0.095	0.027	0.006	0.011	0.000000	0.000000	-1809.88	172
3	GUIDE	used	104860880	8.13	2246	1.000	-0.015	-0.154	0.064	0.100	127.482172	10.470776	1403.38	2254
4	GUIDE	used	104862288	9.42	2246	1.000	0.029	-0.070	0.085	0.139	127.148004	9.488143	-1967.49	657
5	GUIDE	used	104865104	6.96	2246	1.000	-0.035	0.114	0.075	0.125	128.166128	10.066005	2034.87	-501
6	GUIDE	used	104868400	7.27	2246	1.000	0.026	-0.001	0.069	0.115	127.977058	9.814098	918.56	-649
7	GUIDE	used	104869832	8.74	2244	1.000	-0.014	0.115	0.072	0.118	127.384381	9.436204	-1521.14	-78

2.4 Star Slots

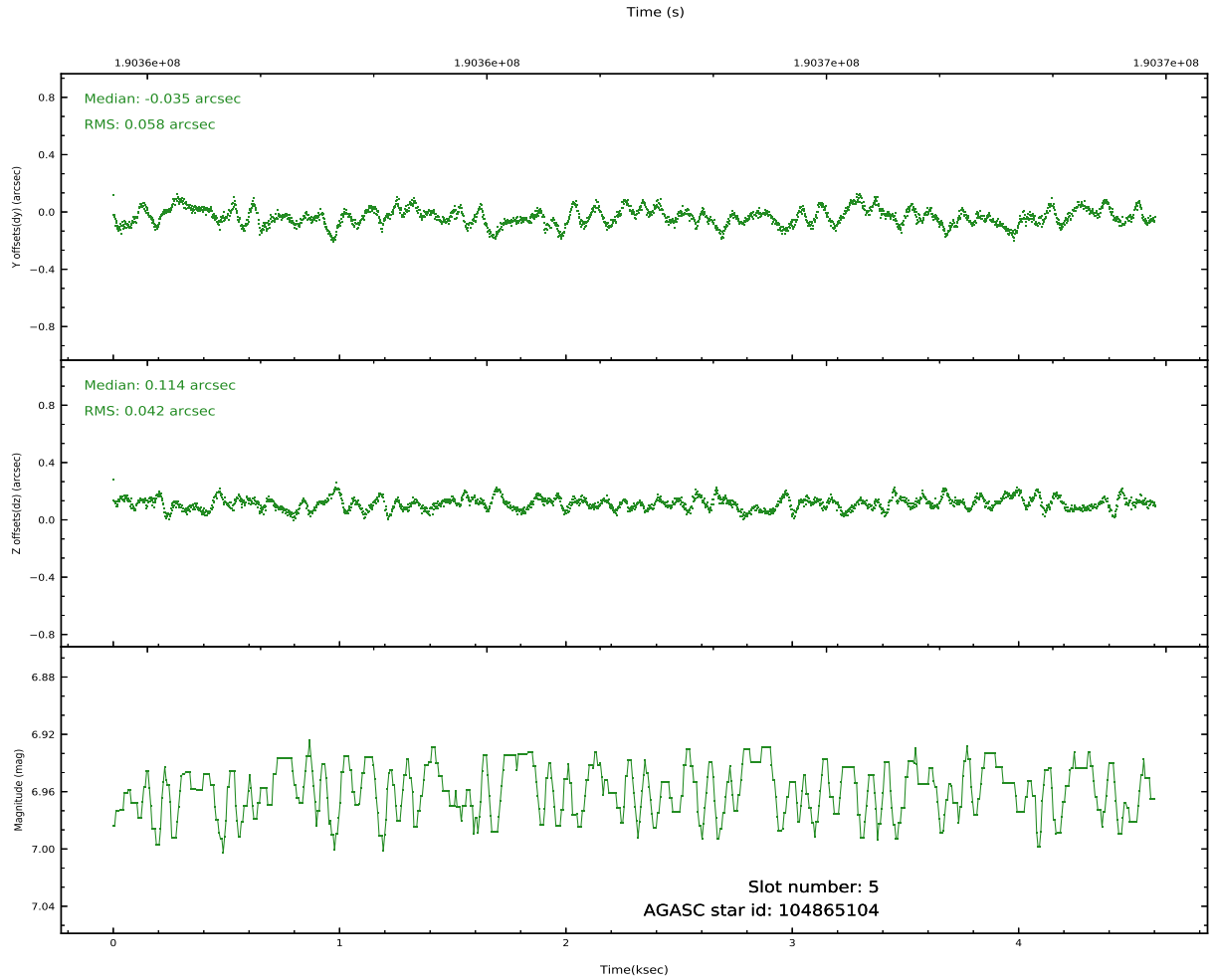
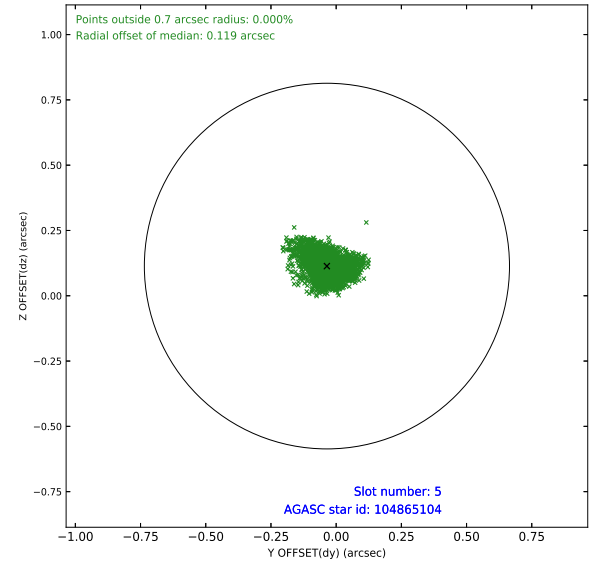
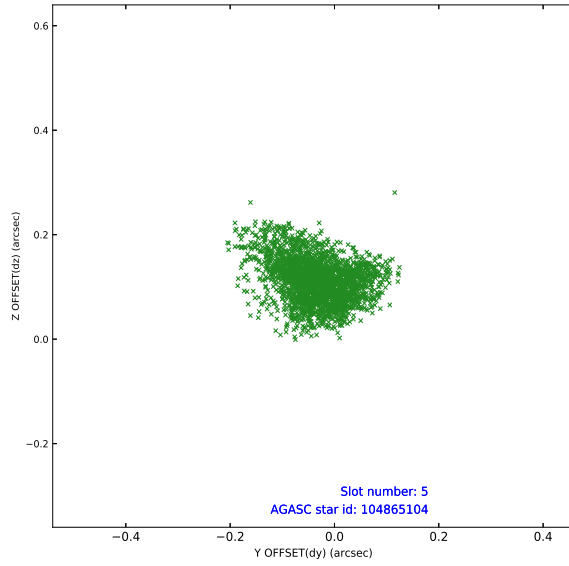
2.4.1 Slot 3



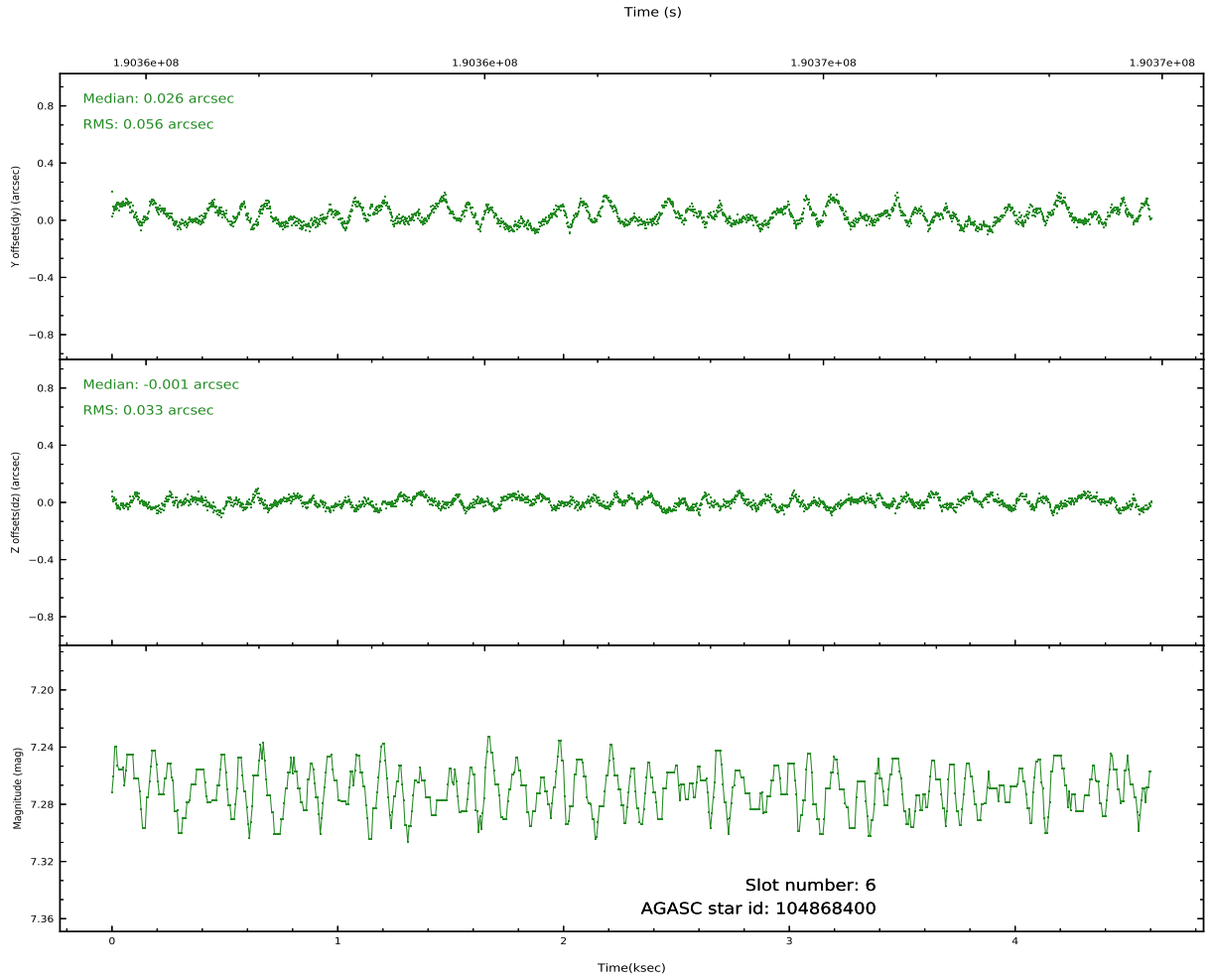
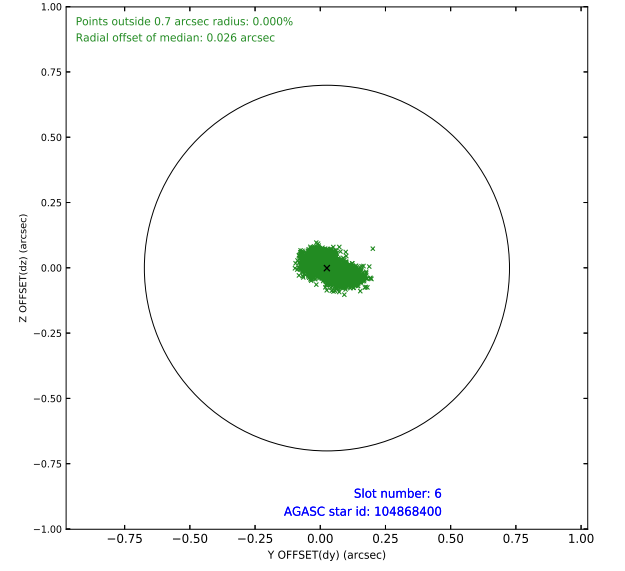
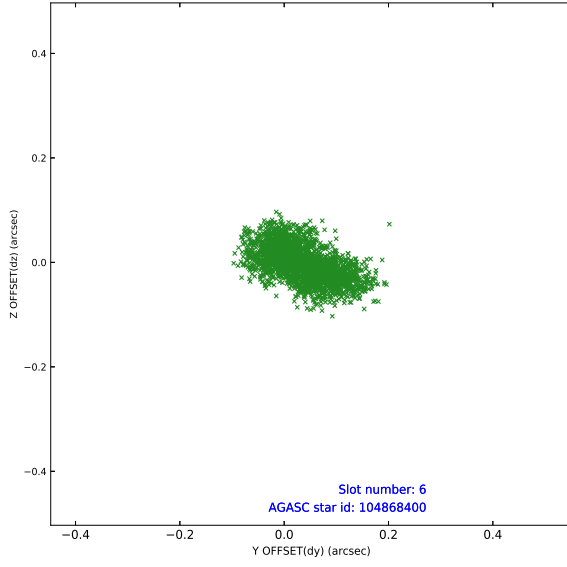
2.4.2 Slot 4



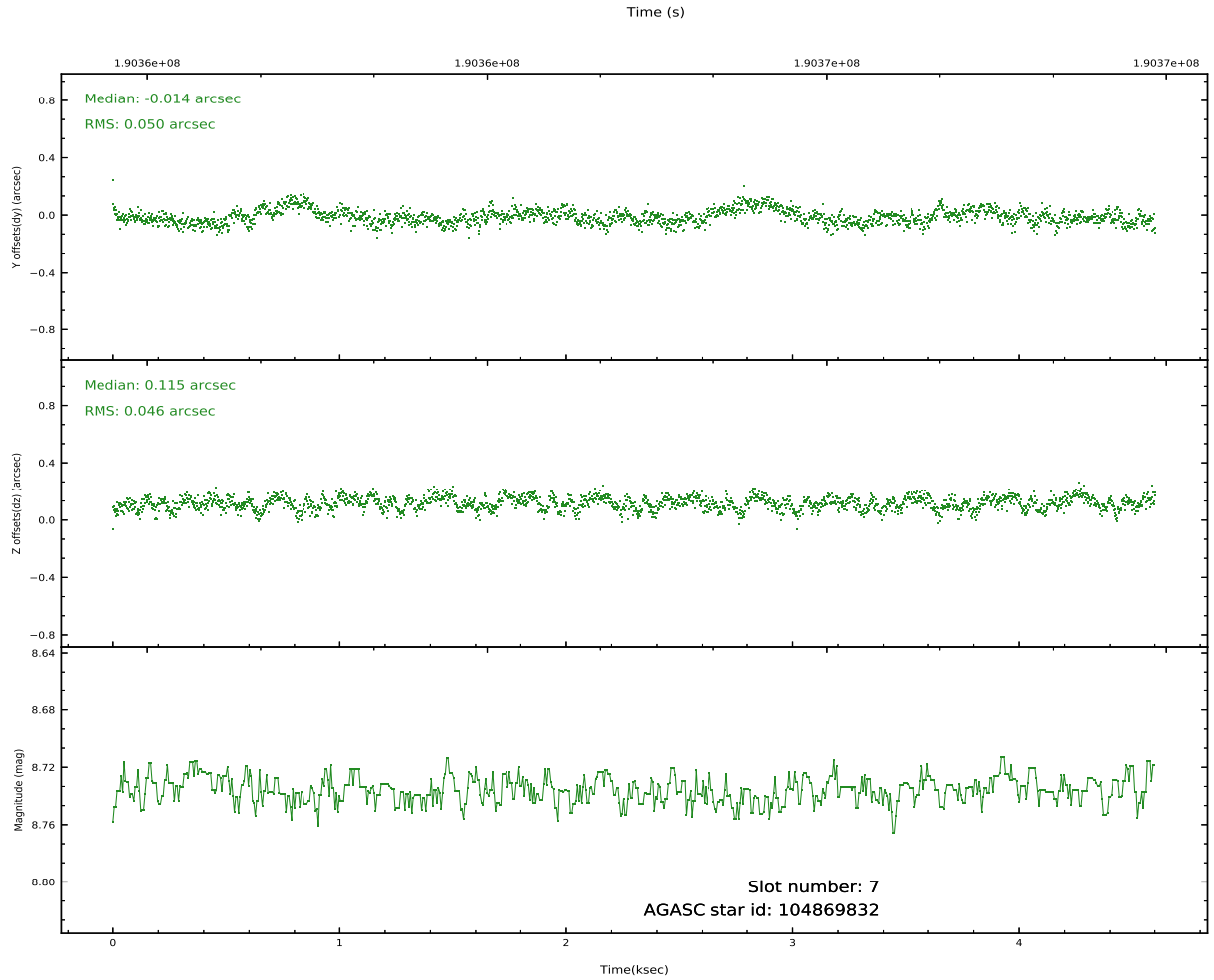
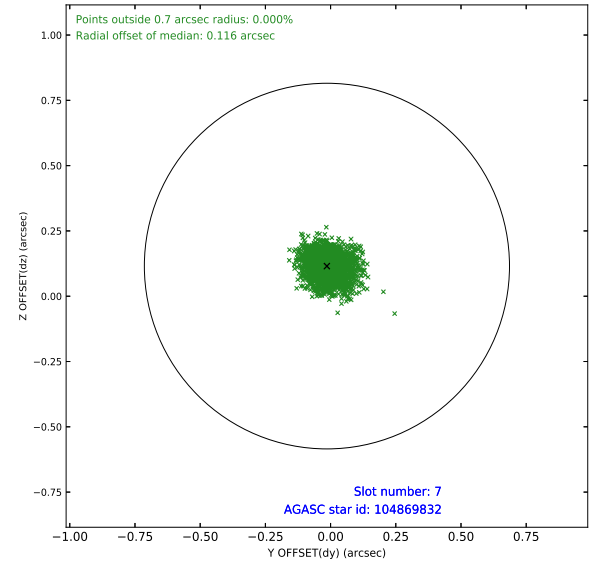
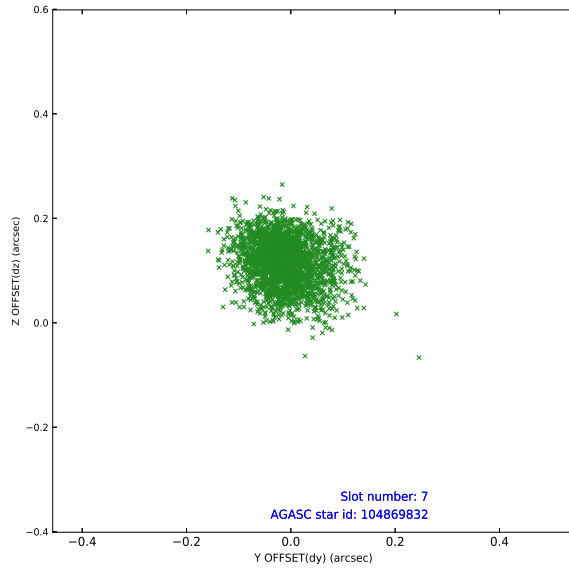
2.4.3 Slot 5



2.4.4 Slot 6

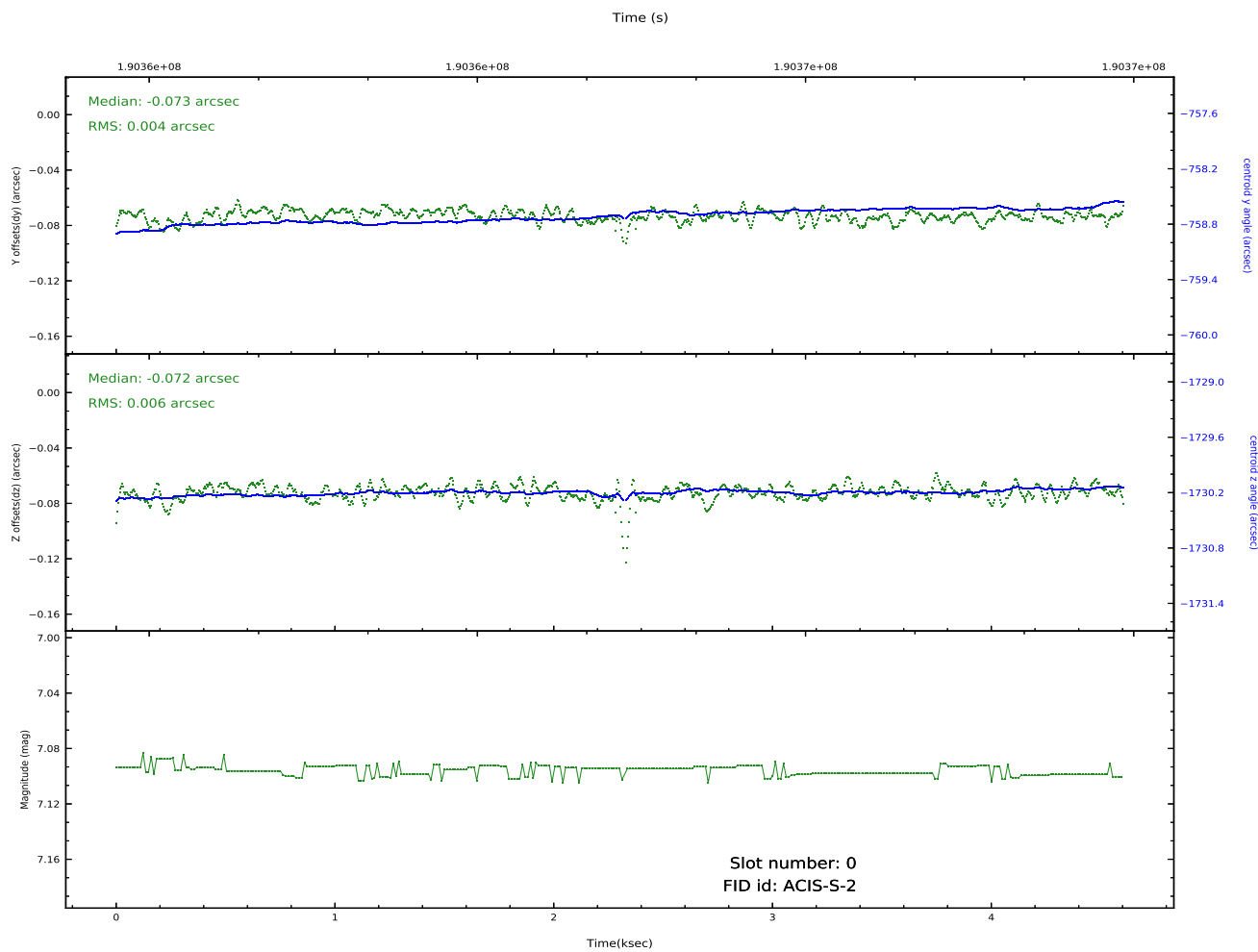
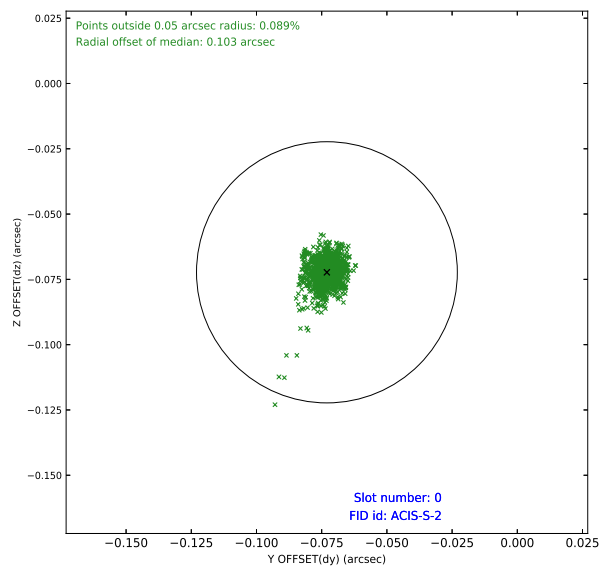
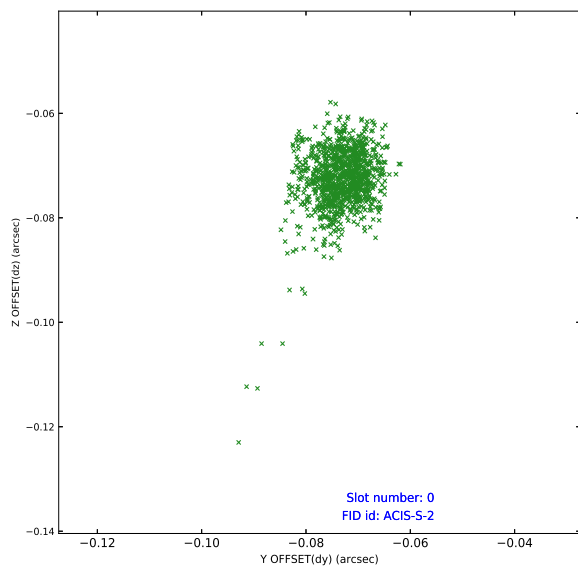


2.4.5 Slot 7

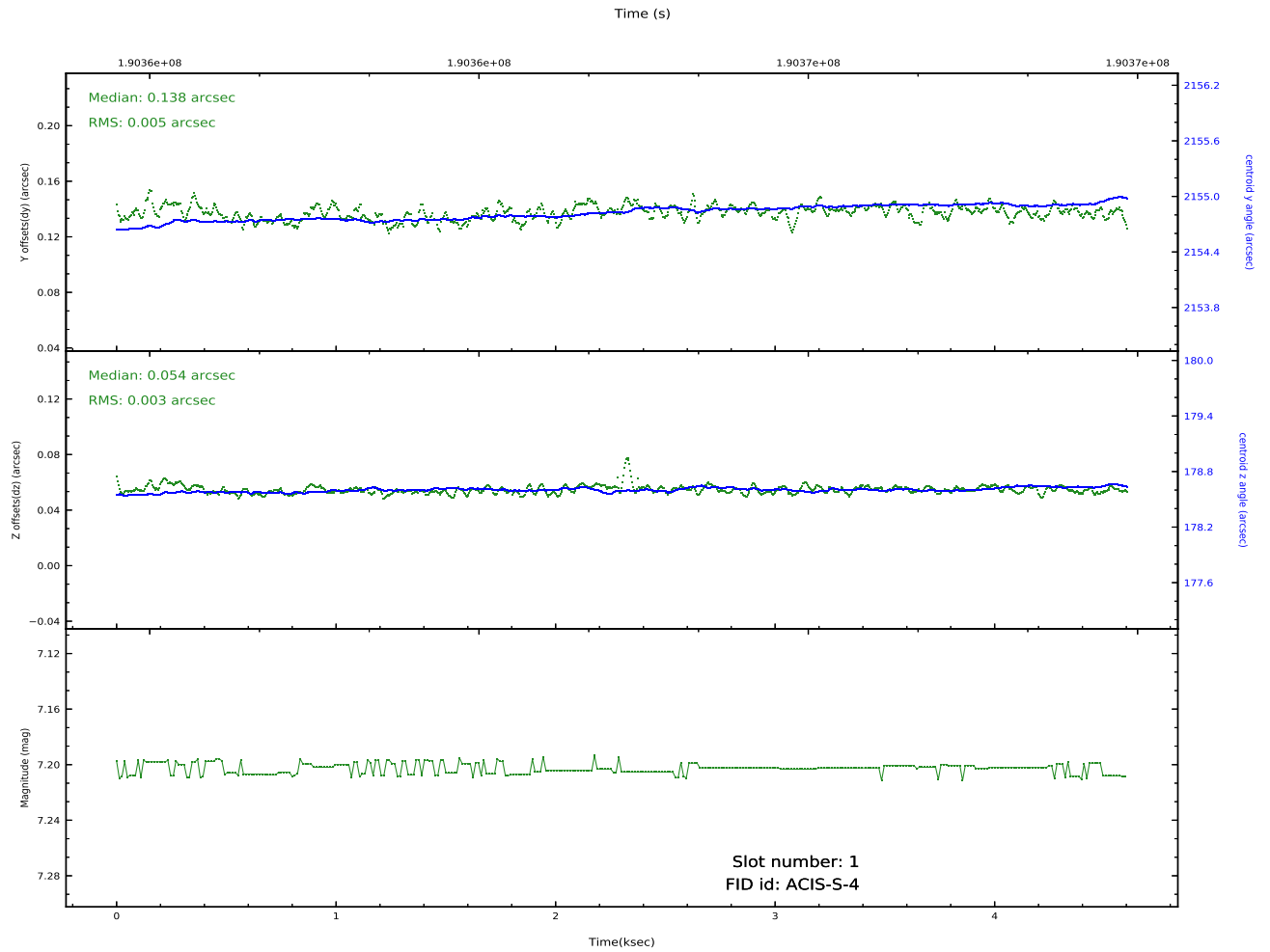
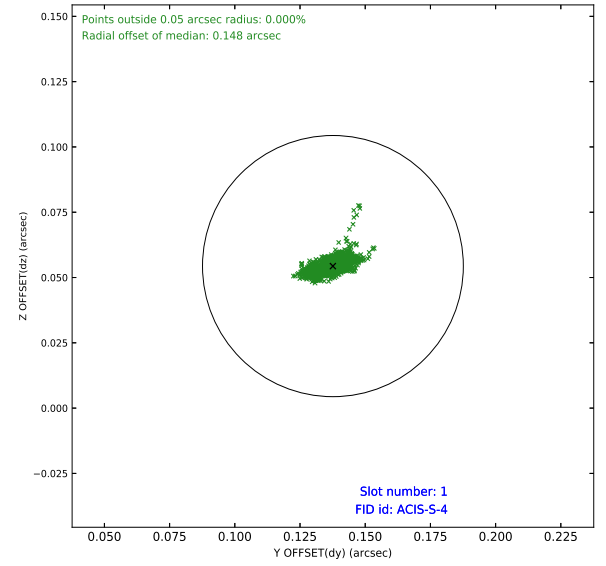
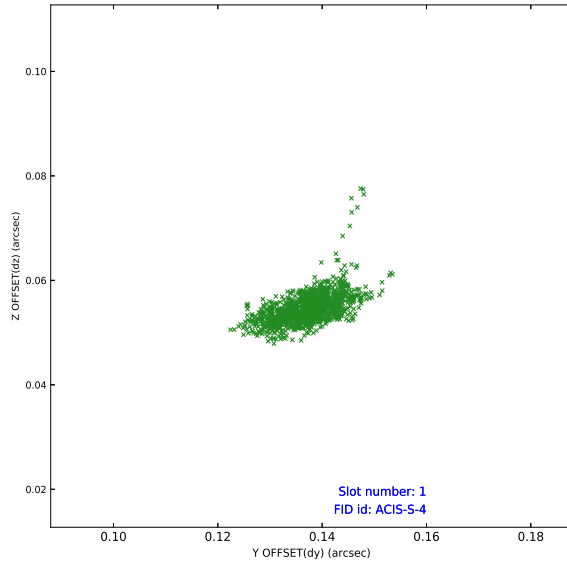


2.5 FID Slots

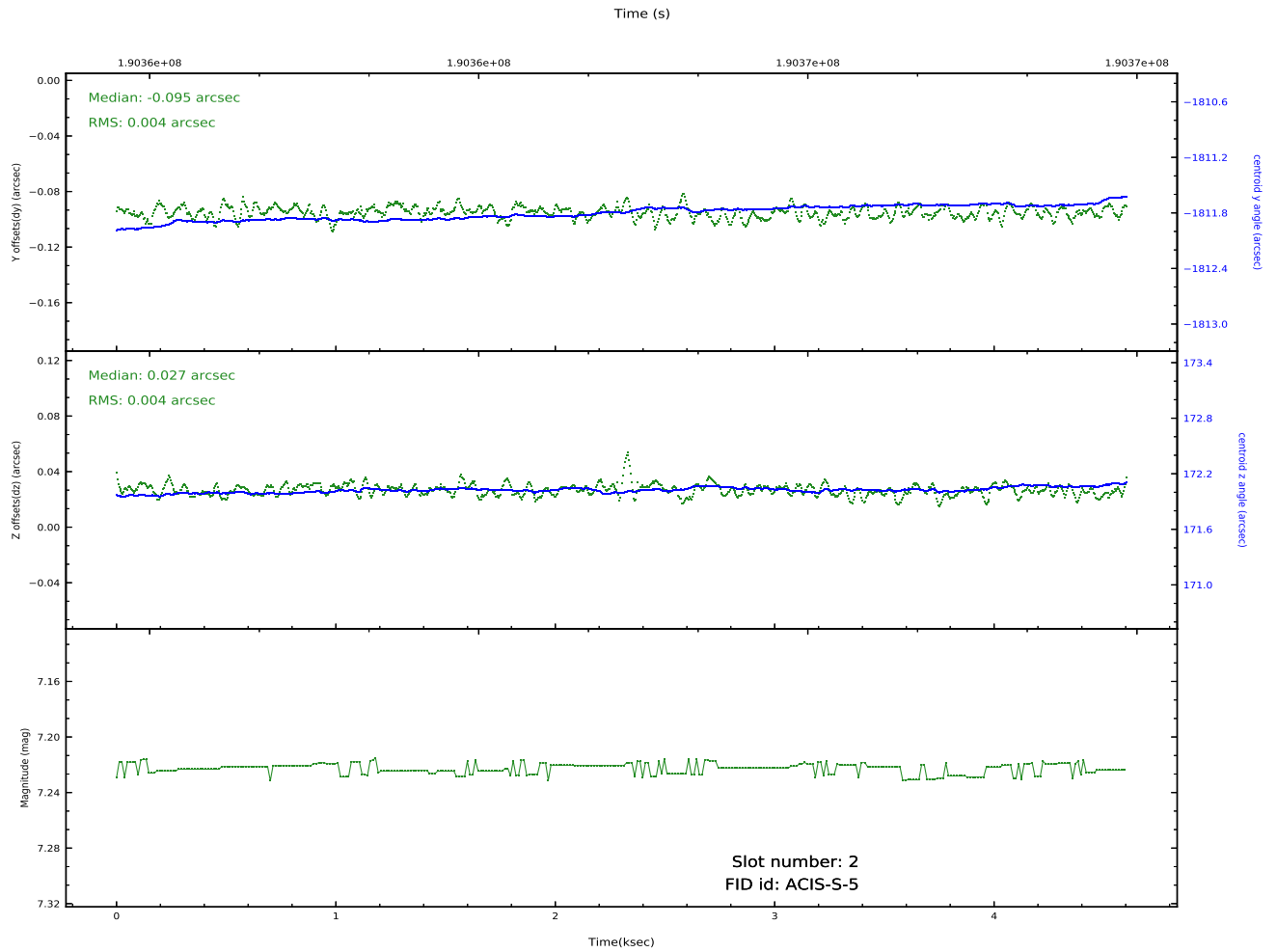
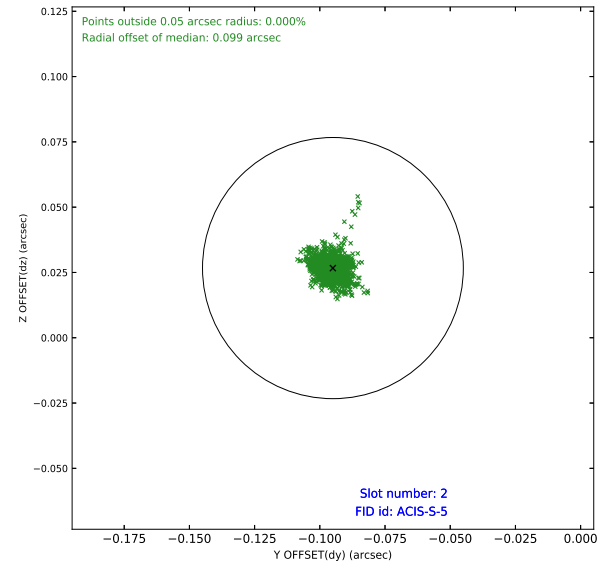
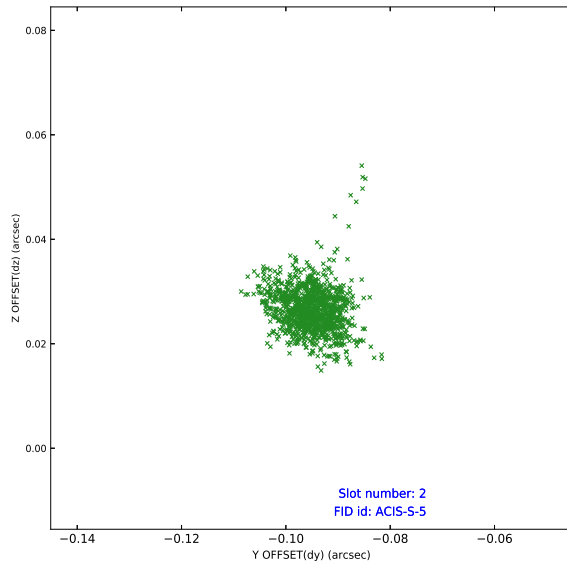
2.5.1 Slot 0



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)	2020.09.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.602

A.2 Comments