

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4544 - L2 Version 4
Chandra X-Ray Center

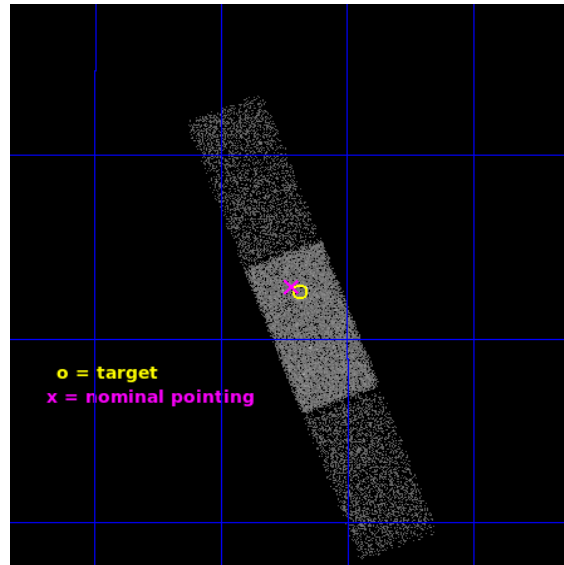
L2 Processing Date : Oct 5 2020

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1 Front

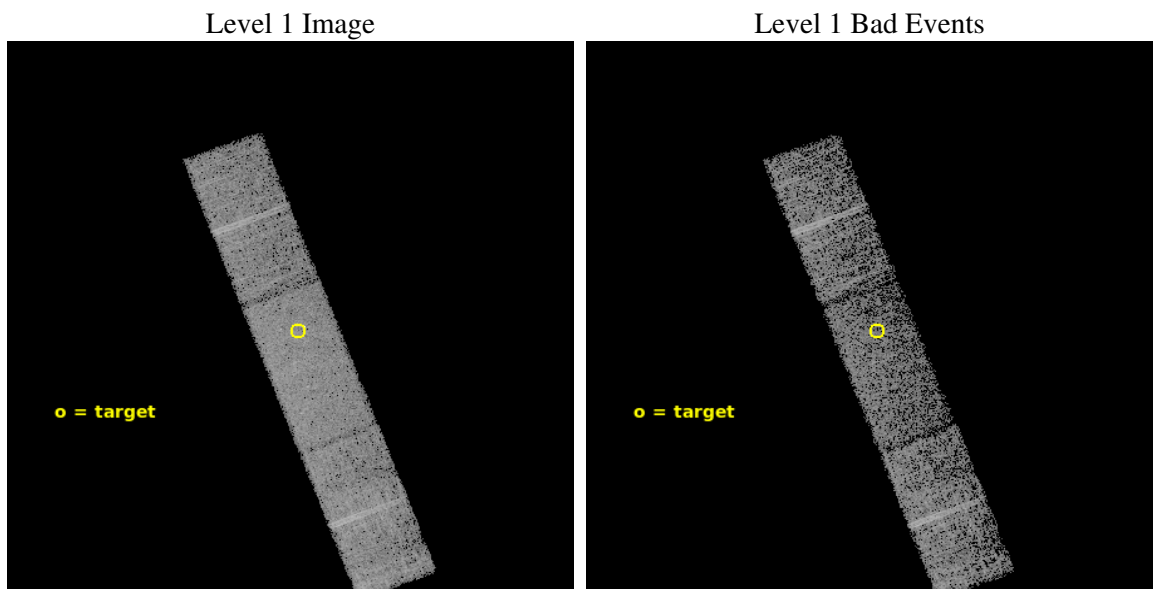
seq_num	300138	Sequence number
obs_id	4544	Observation id
title	The Supersoft Source 1E1339.8+2837 and Globular Cluster M3	Proposa
observer	Jonathan Grindlay	Principal investigator
object	M3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.546667	Observer's specified target RA [deg]
dec_targ	28.375556	Observer's specified target Dec [deg]
ra_nom	205.55462464957	Nominal RA [deg]
dec_nom	28.380789885758	Nominal Dec [deg]
roll_nom	69.019234083657	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9683.1999638975	Sum of GTIs [s]
livetime	9441.0373557232	Livetime [s]
ontime6	9681.5589438081	Sum of GTIs [s]
ontime7	9683.1999638975	Sum of GTIs [s]
ontime8	9683.1999638975	Sum of GTIs [s]
l2events	27629	Number of level 2 events



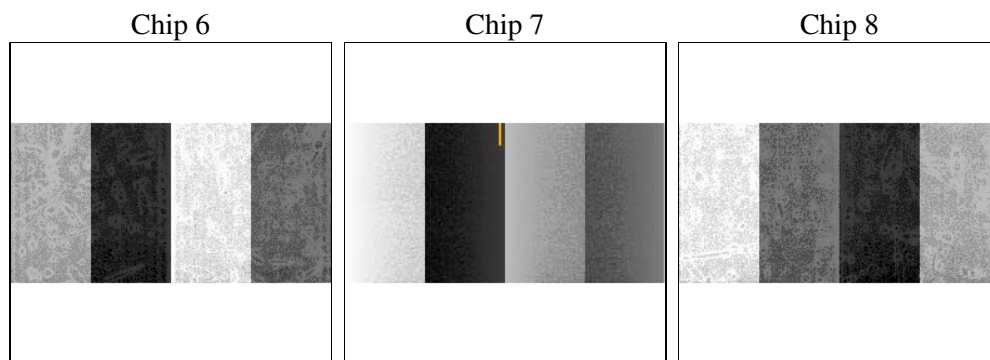
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9683.1999638975	Sum of GTIs [s]
caldsver	4.9.2	 	ontime6	9681.5589438081	Sum of GTIs [s]
date	2020-10-06T03:37:05	Date and time of file creation	ontime7	9683.1999638975	Sum of GTIs [s]
revision	4	Processing version of data	ontime8	9683.1999638975	Sum of GTIs [s]
			l1events	138802	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	39214	49177	50411
rejected events	34809	28682	40734
rejected %	88%	58%	80%

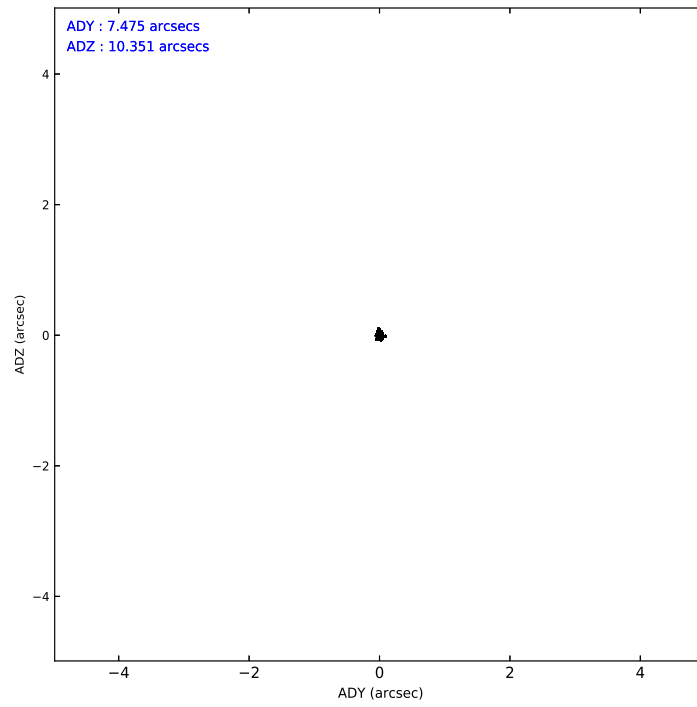
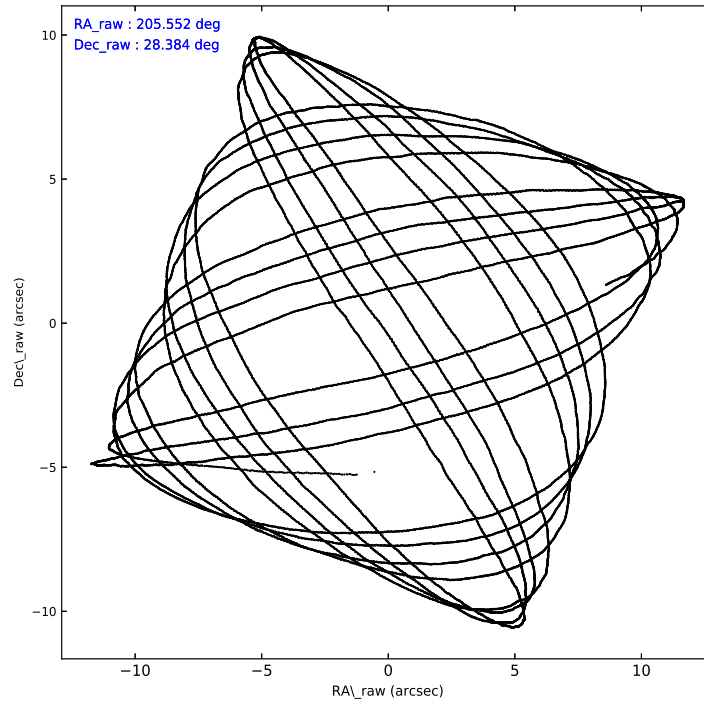
	ccd 6	ccd 7	ccd 8
grade 0 events	1758	2294	3070
	4%	4%	6%
grade 1 events	10	38	28
	0%	0%	0%
grade 2 events	871	4275	2140
	2%	8%	4%
grade 3 events	500	2049	1198
	1%	4%	2%
grade 4 events	546	2049	1086
	1%	4%	2%
grade 5 events	1674	4826	2235
	4%	9%	4%
grade 6 events	890	10523	2632
	2%	21%	5%
grade 7 events	32965	23123	38022
	84%	47%	75%

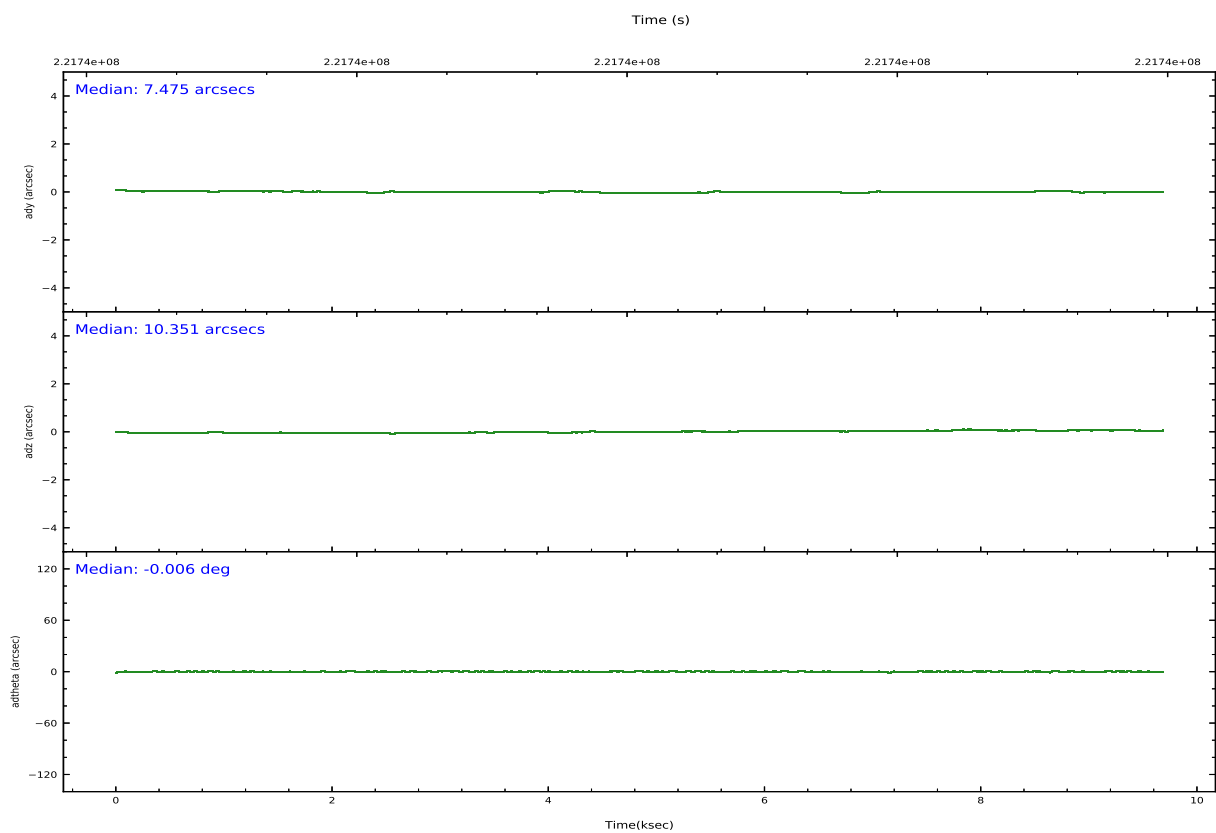
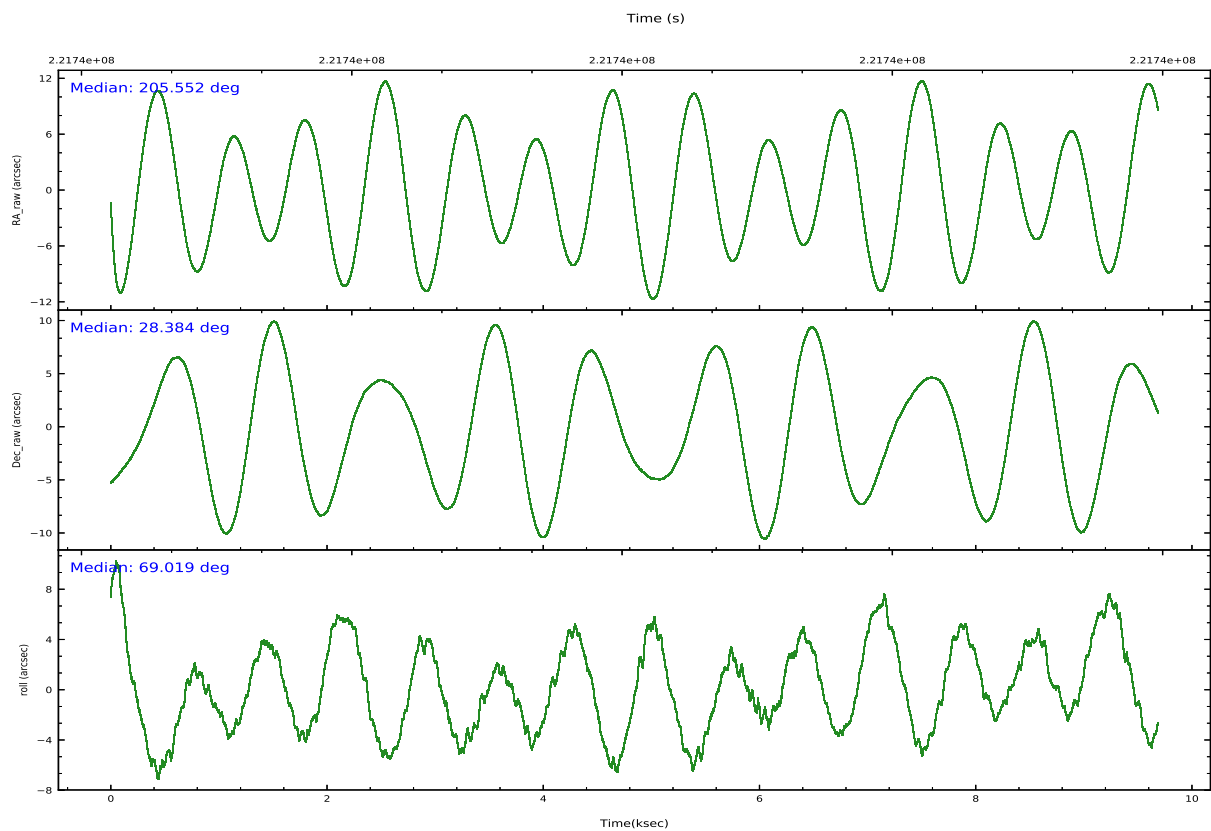
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	205.557604	205.55462464957
[deg] Pointing Dec	28.357004	28.380789885758
[deg] Pointing Roll	68.857984	69.019234083657
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	221735458.184000	221734534.761
Observation start date	2005-01-10T09:09:54	2005-01-10T08:55:34
[s] Observation end time (MET)	221744958.184000	221745561.71149
Observation end date	2005-01-10T11:48:14	2005-01-10T11:59:21
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.6

2.3 Aspect



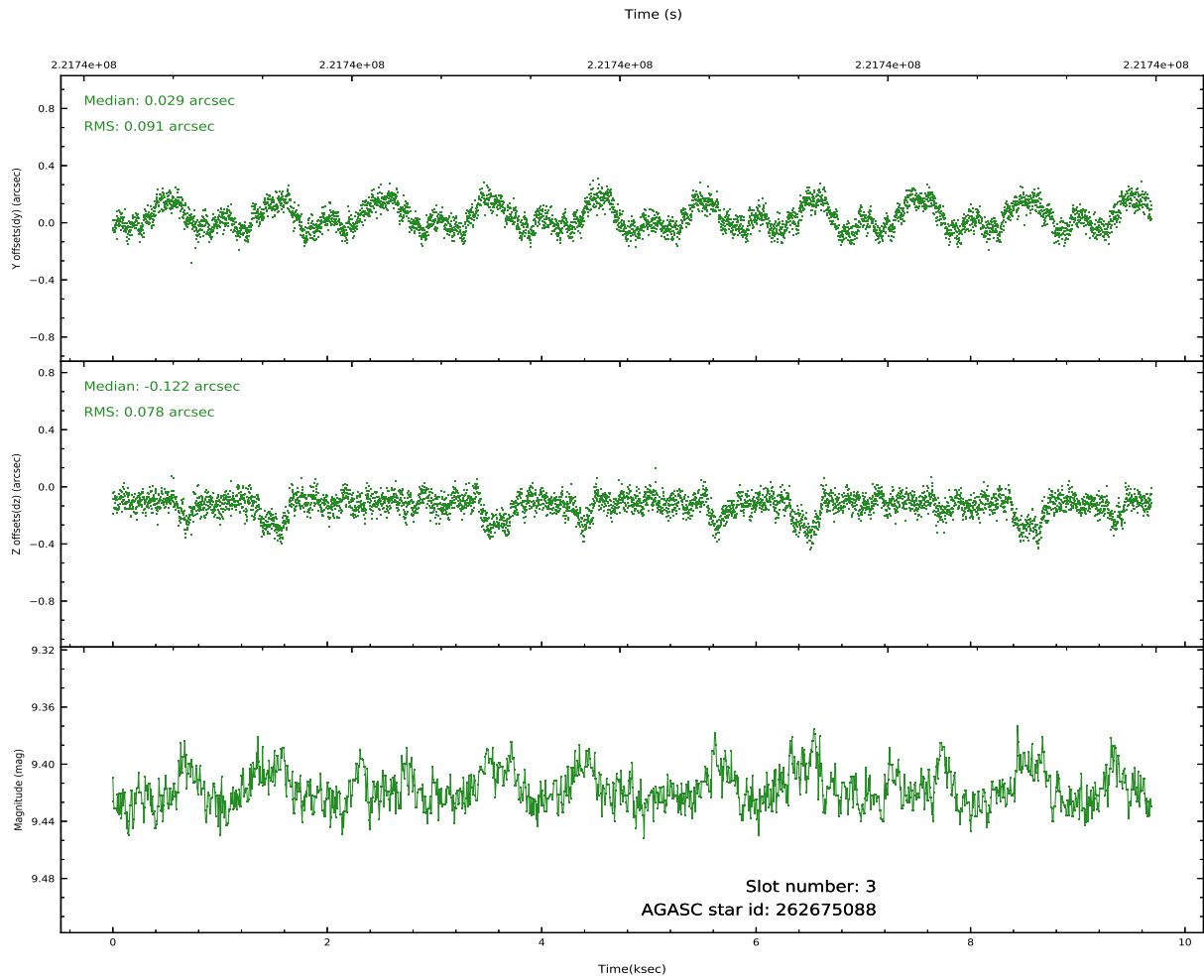
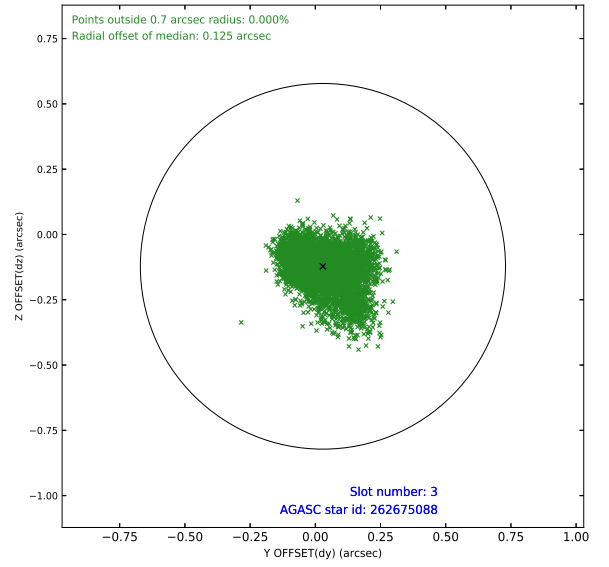
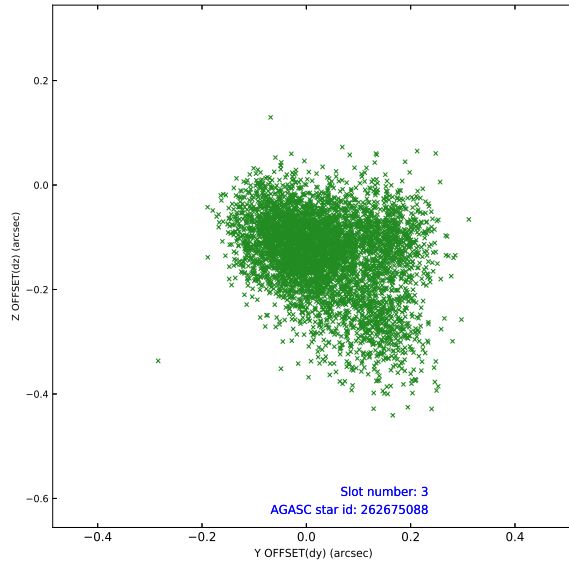


Slot Statistics

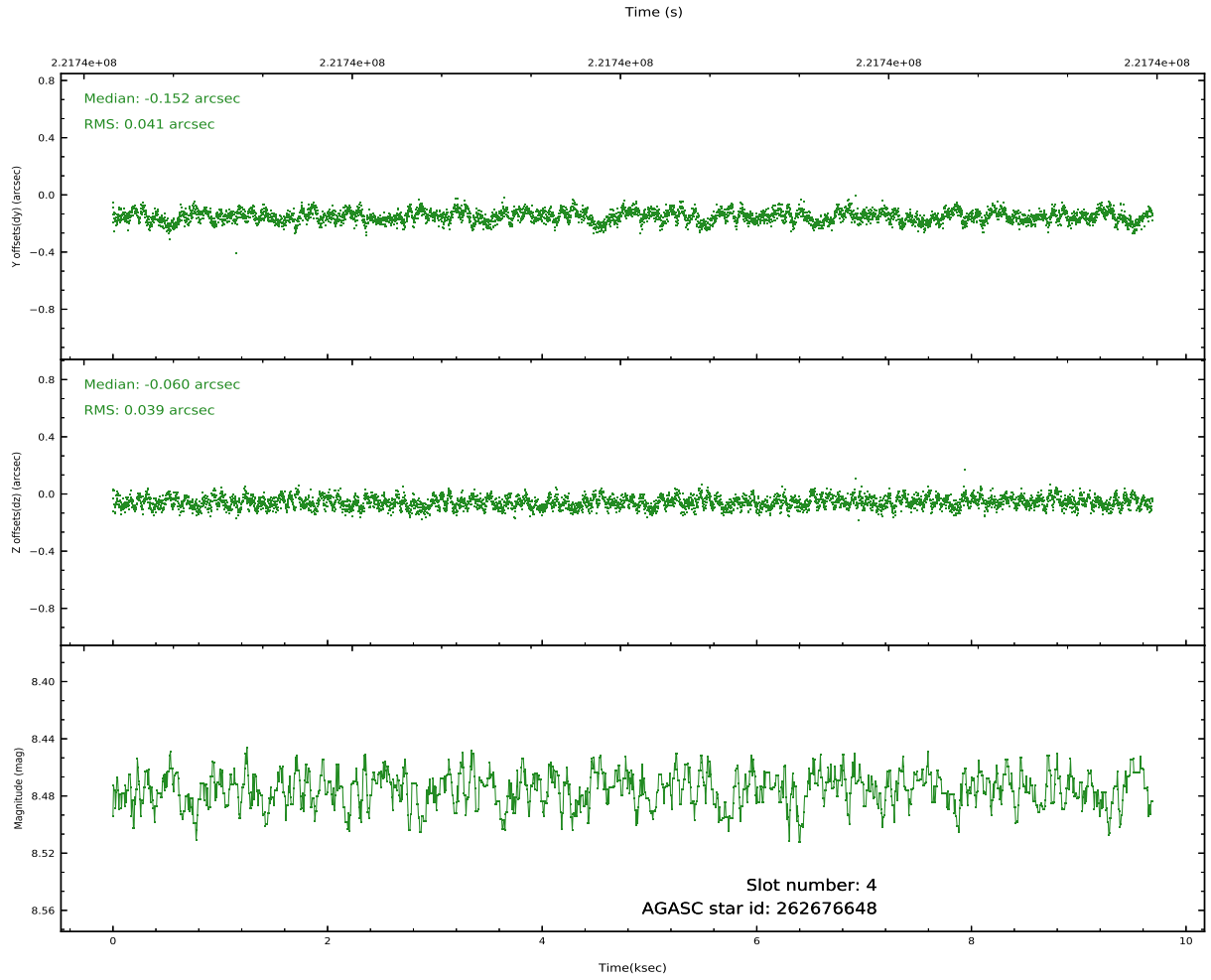
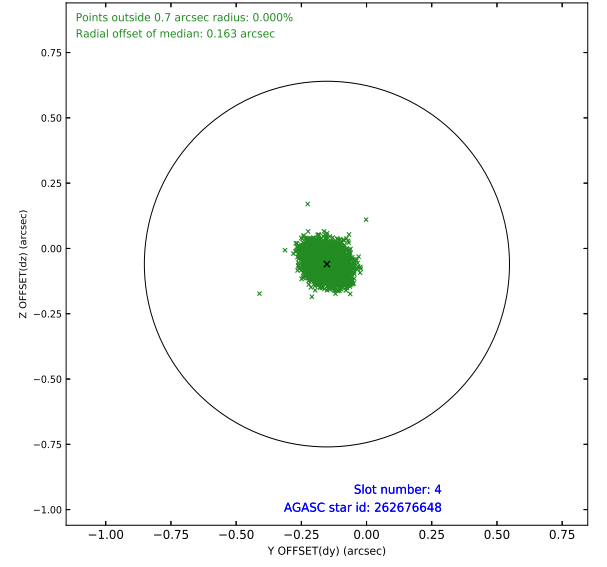
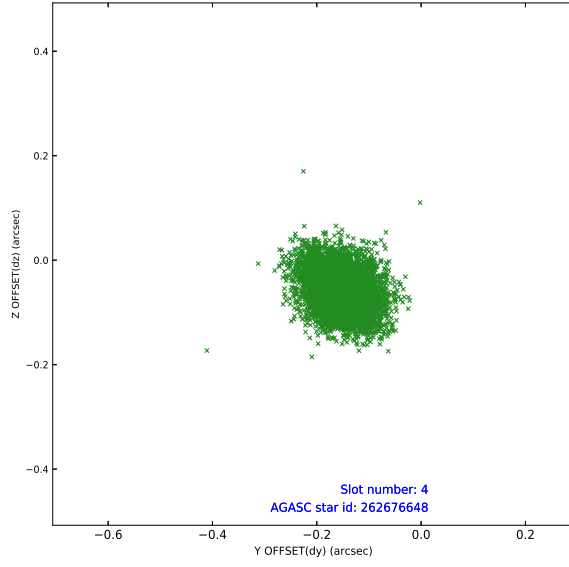
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2363	1.000	-0.082	-0.058	0.007	0.011	0.000000	0.000000	-760.25	-1731
1	FID		ACIS-S-4	7.21	2363	1.000	0.157	0.055	0.005	0.011	0.000000	0.000000	2152.94	176
2	FID		ACIS-S-5	7.23	2362	1.000	-0.106	0.012	0.007	0.011	0.000000	0.000000	-1812.48	170
3	GUIDE	used	262675088	9.42	4724	1.000	0.029	-0.122	0.127	0.211	204.972671	28.348526	-692.79	1719
4	GUIDE	used	262676648	8.47	4727	1.000	-0.152	-0.060	0.061	0.098	205.067150	29.027569	1697.24	2312
5	GUIDE	used	262679552	8.58	4723	1.000	0.133	0.166	0.078	0.126	205.617019	28.202388	-450.74	-375
6	GUIDE	used	262681752	9.58	4725	1.000	-0.014	-0.087	0.086	0.141	205.441552	28.454810	195.94	469
7	GUIDE	used	262673792	7.43	4726	1.000	-0.009	0.108	0.062	0.097	206.043917	27.585501	-2027.78	-2447

2.4 Star Slots

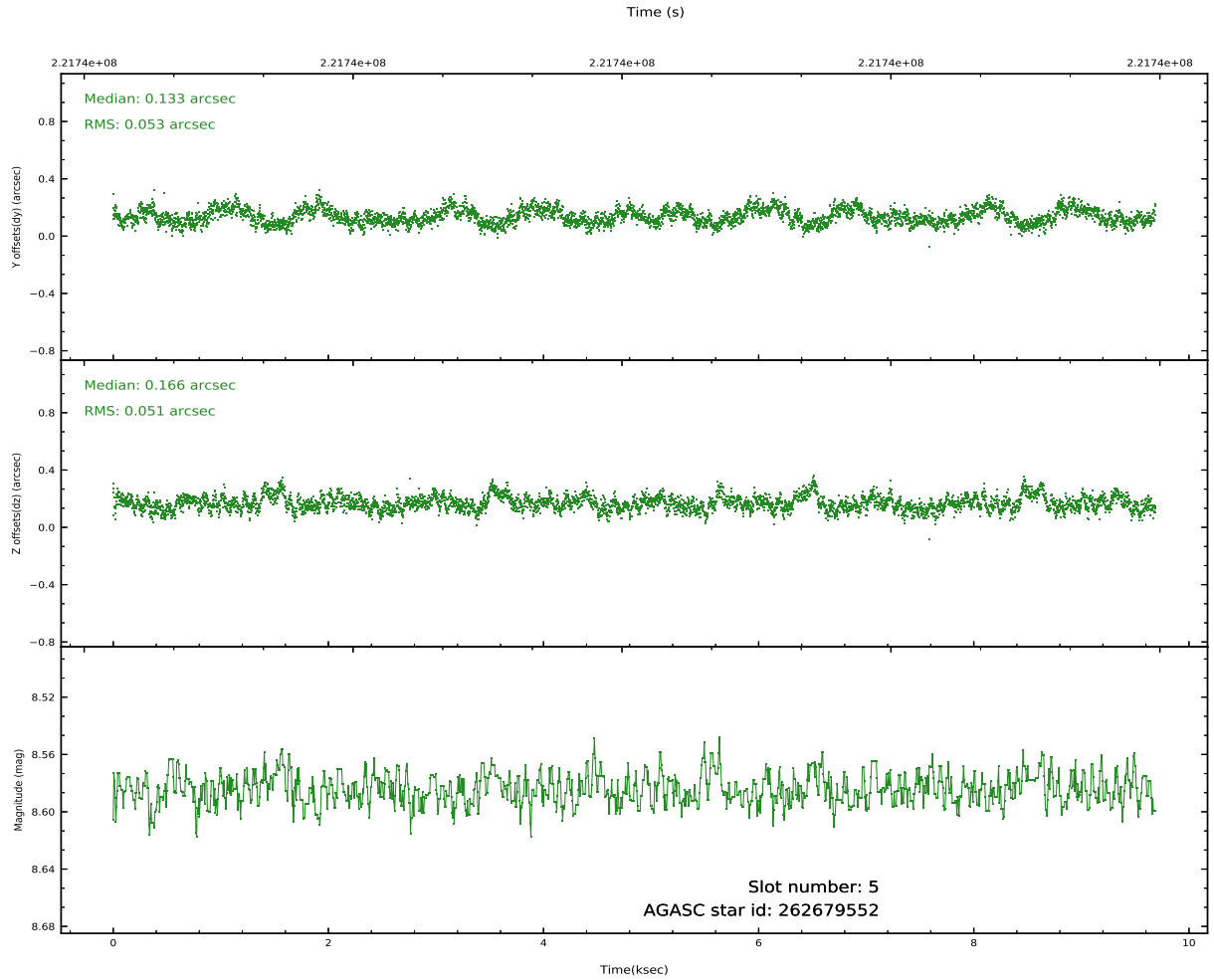
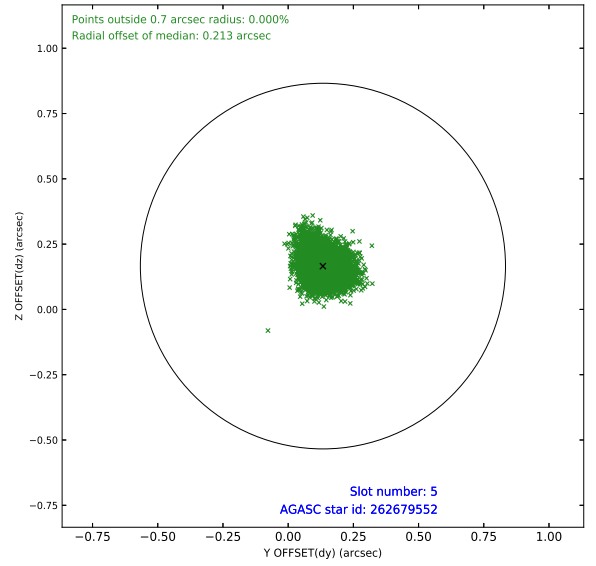
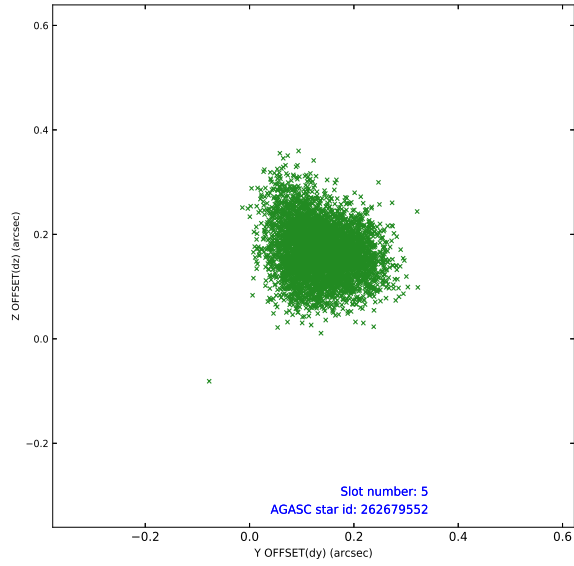
2.4.1 Slot 3



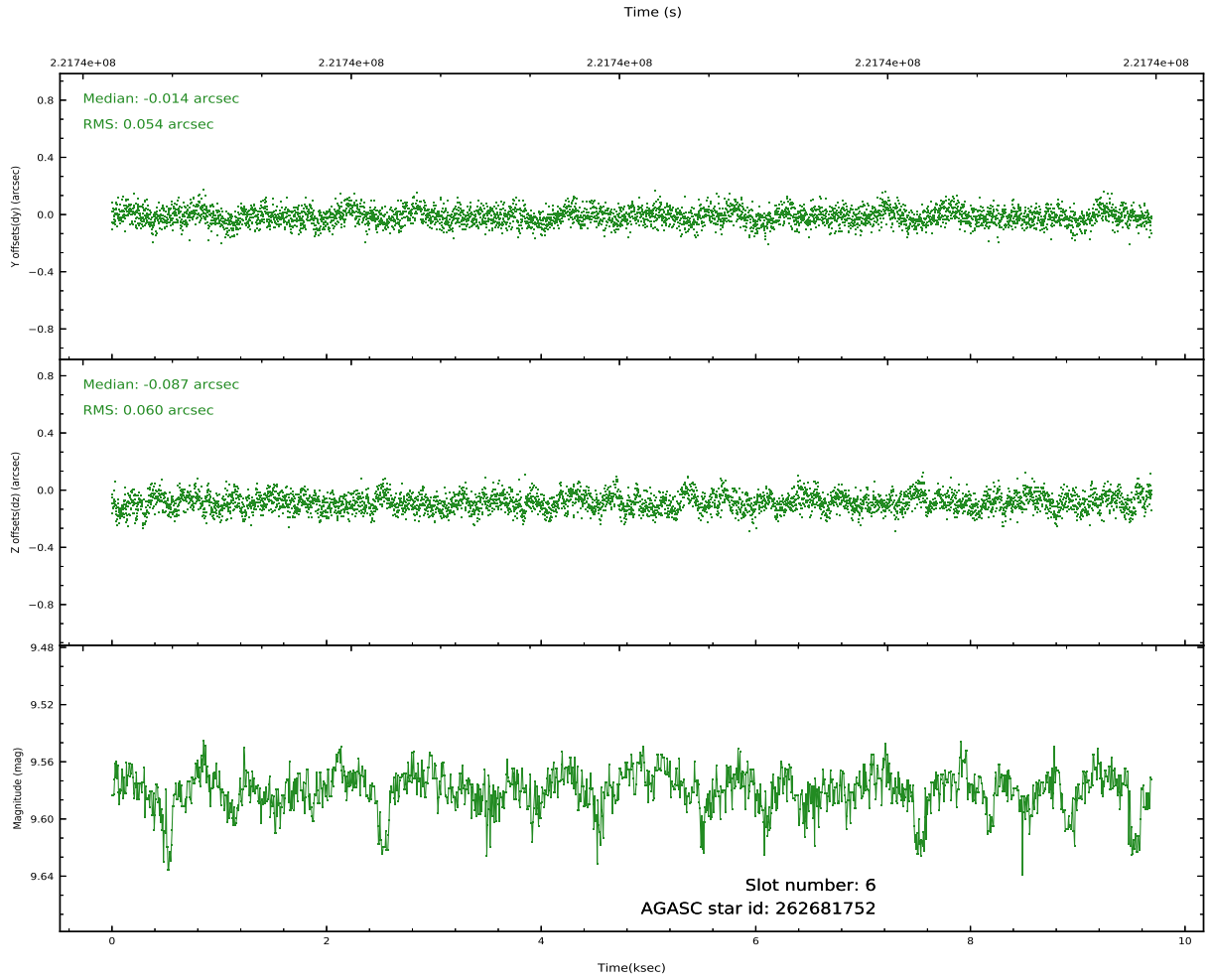
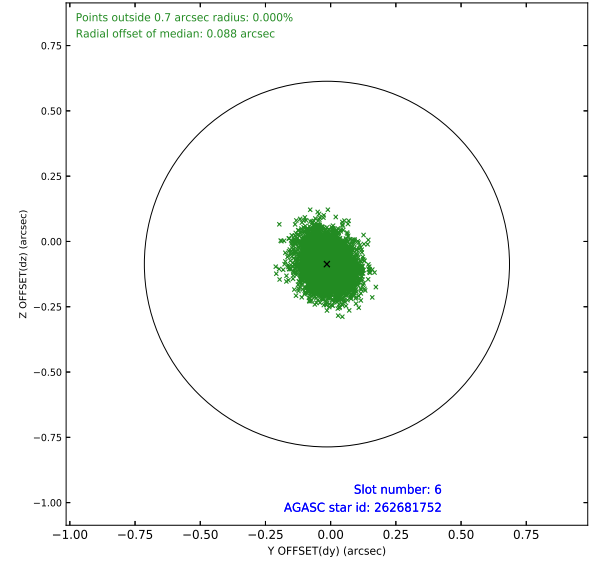
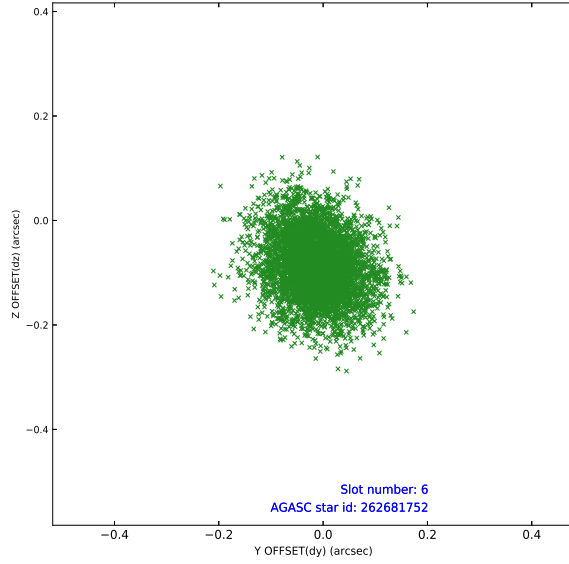
2.4.2 Slot 4



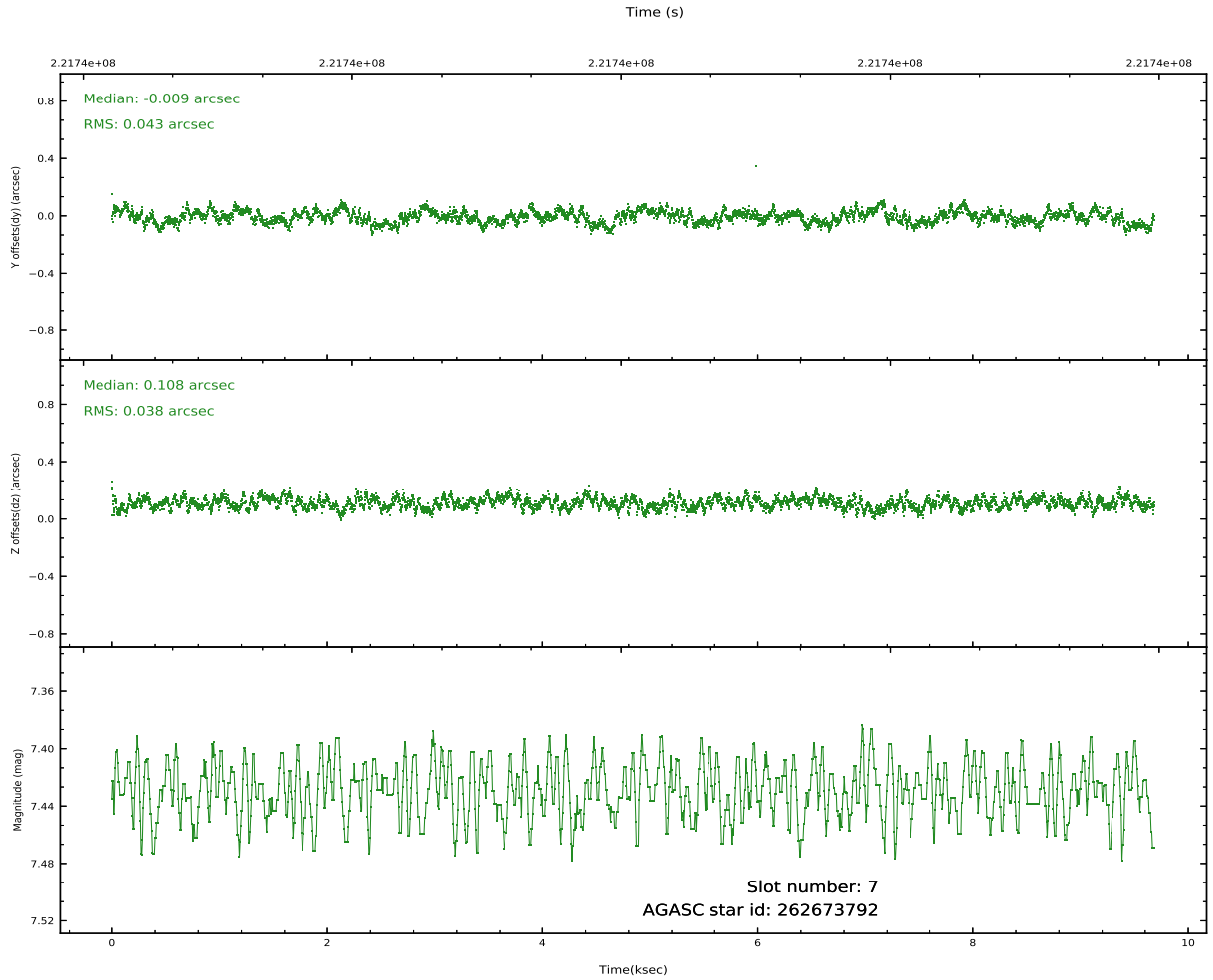
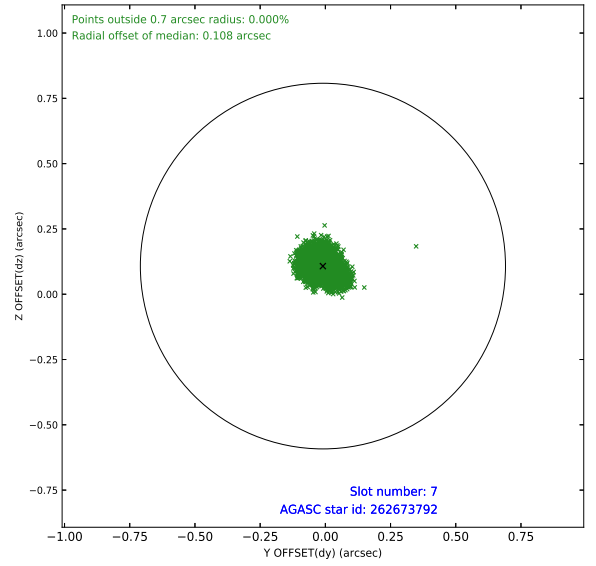
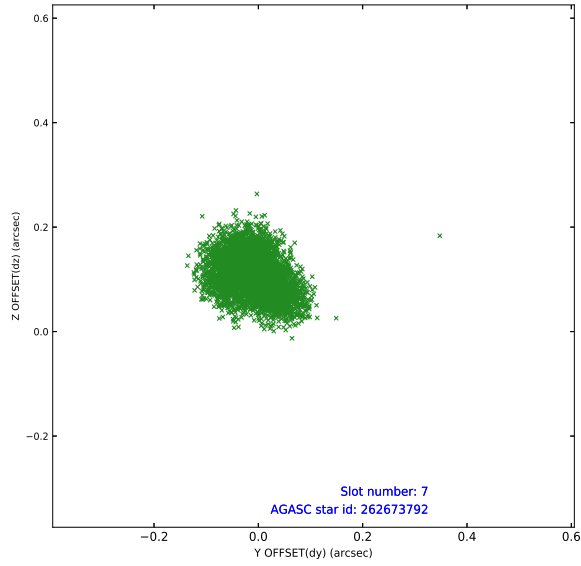
2.4.3 Slot 5



2.4.4 Slot 6

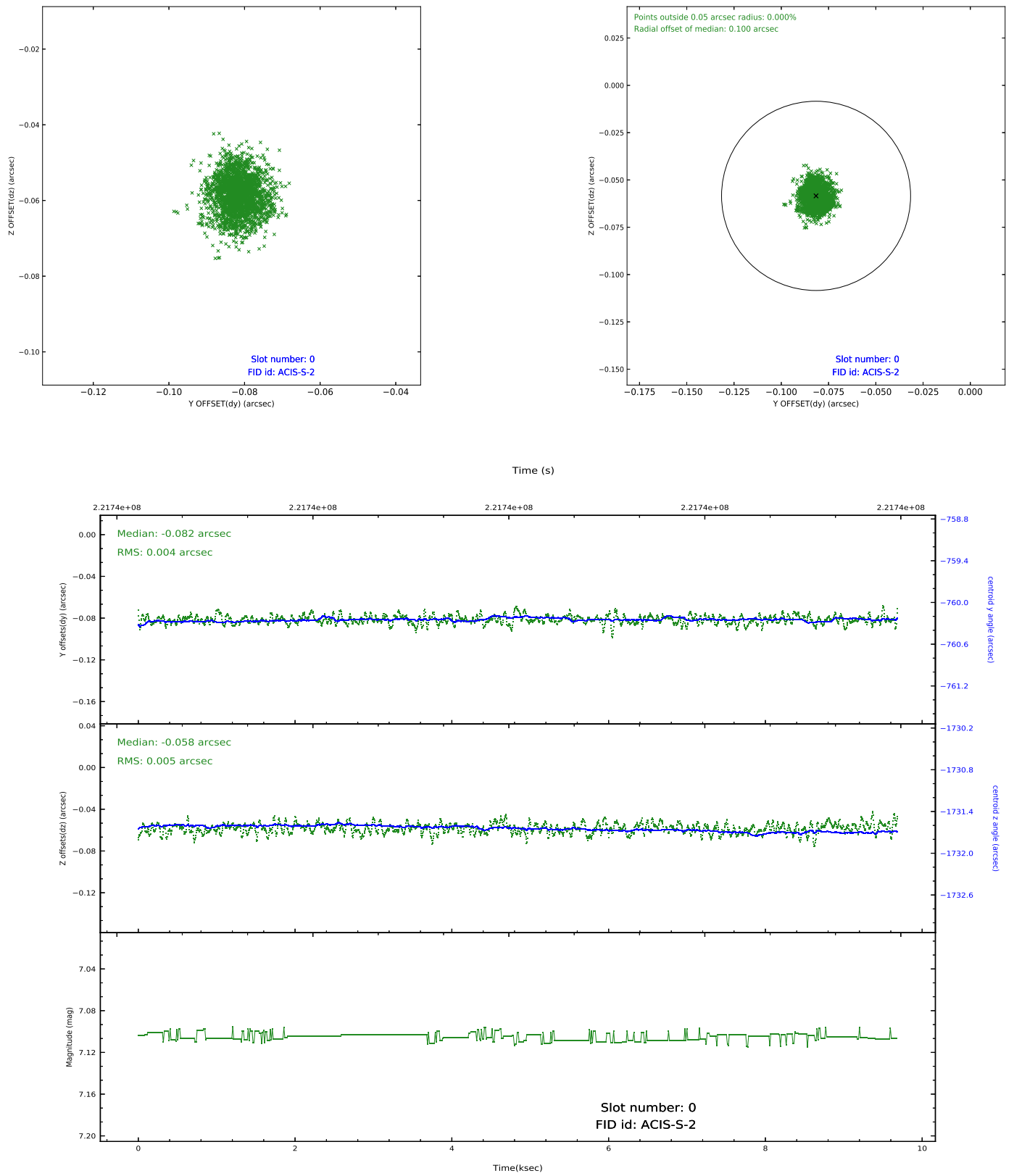


2.4.5 Slot 7

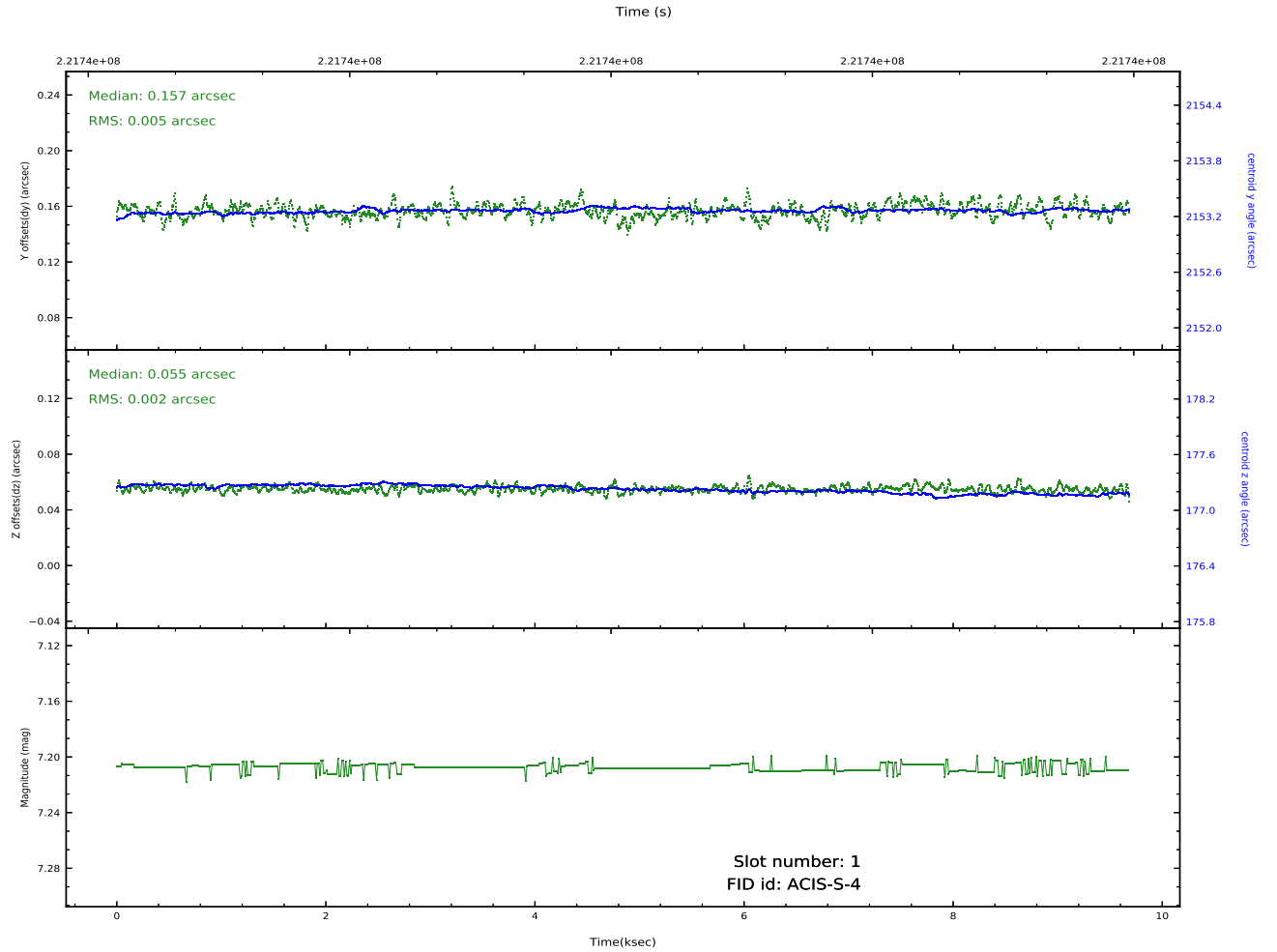
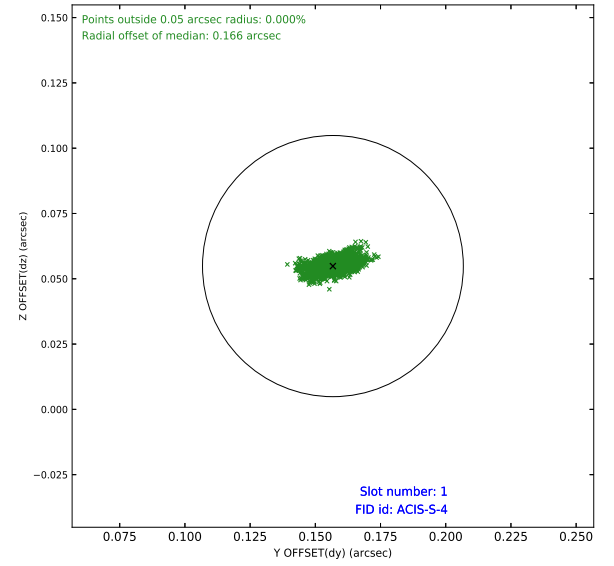
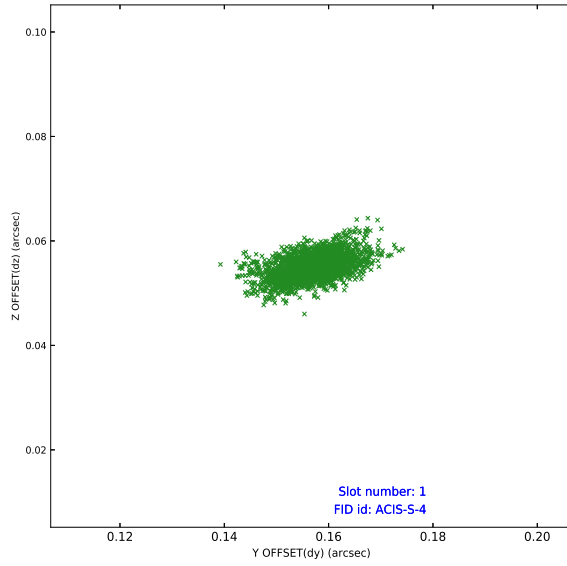


2.5 FID Slots

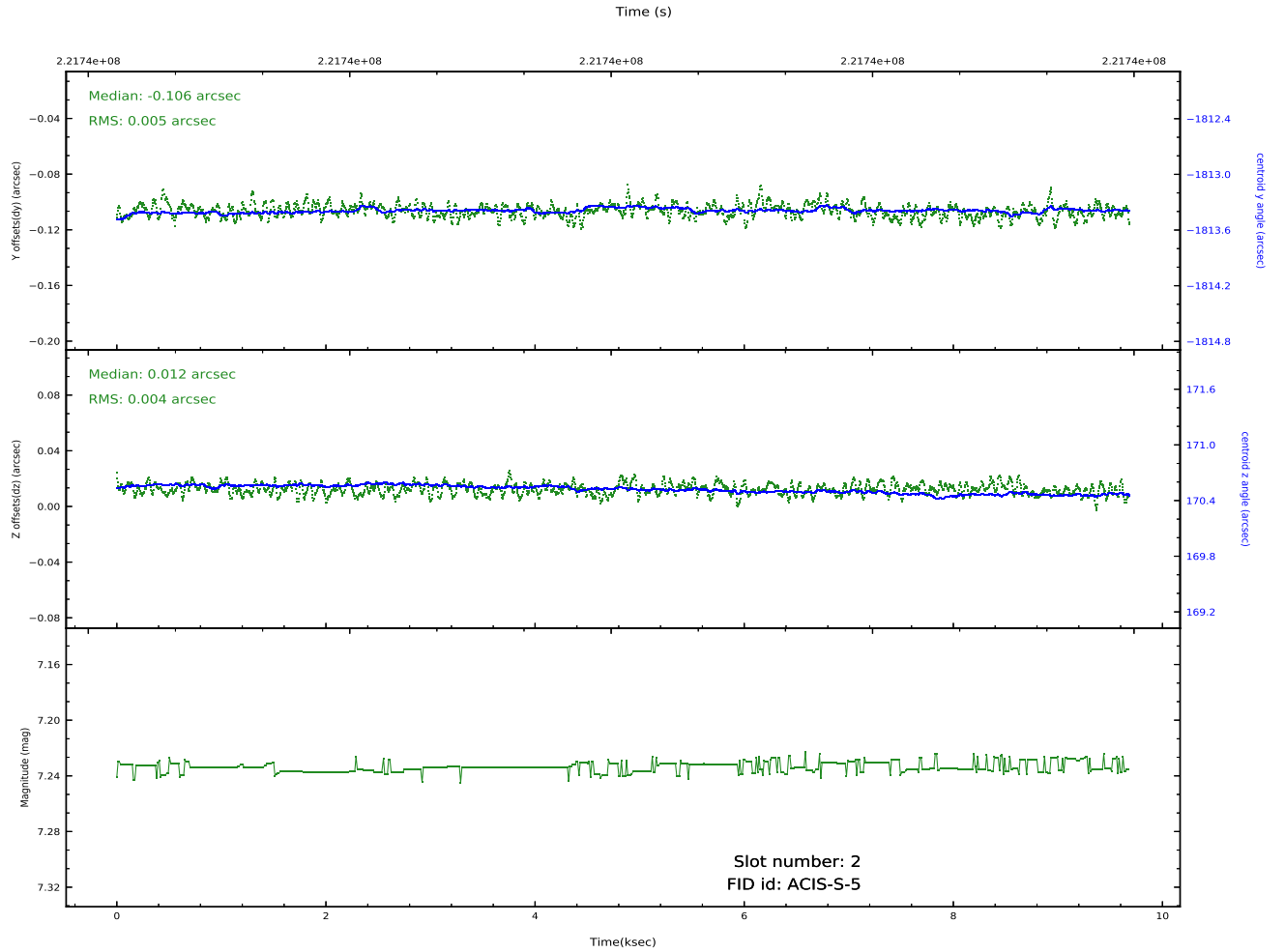
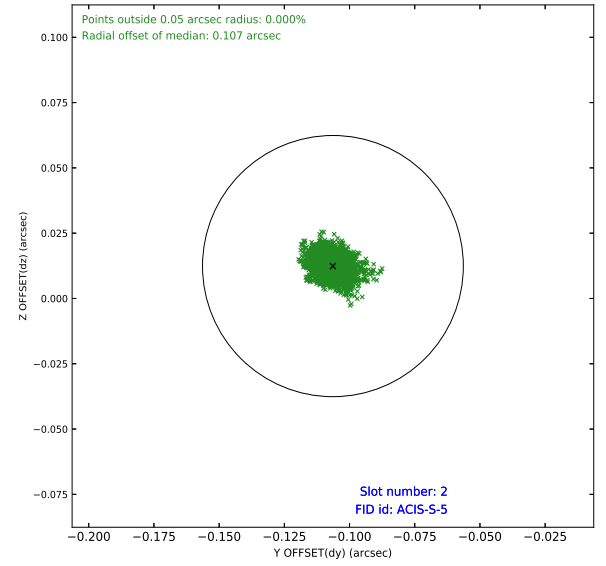
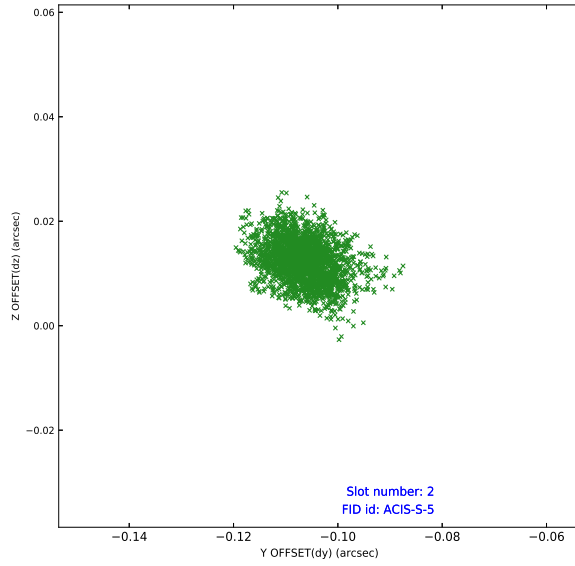
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.683199

A.2 Comments

Joint proposal with HST.