

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5675 - L2 Version 4
Chandra X-Ray Center

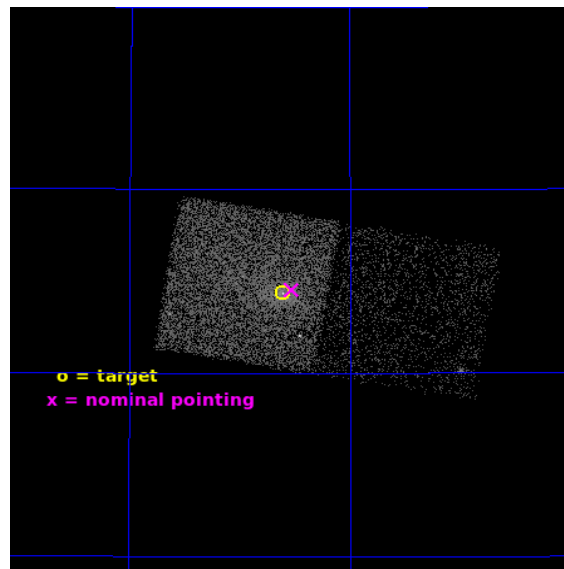
L2 Processing Date : Oct 7 2020

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

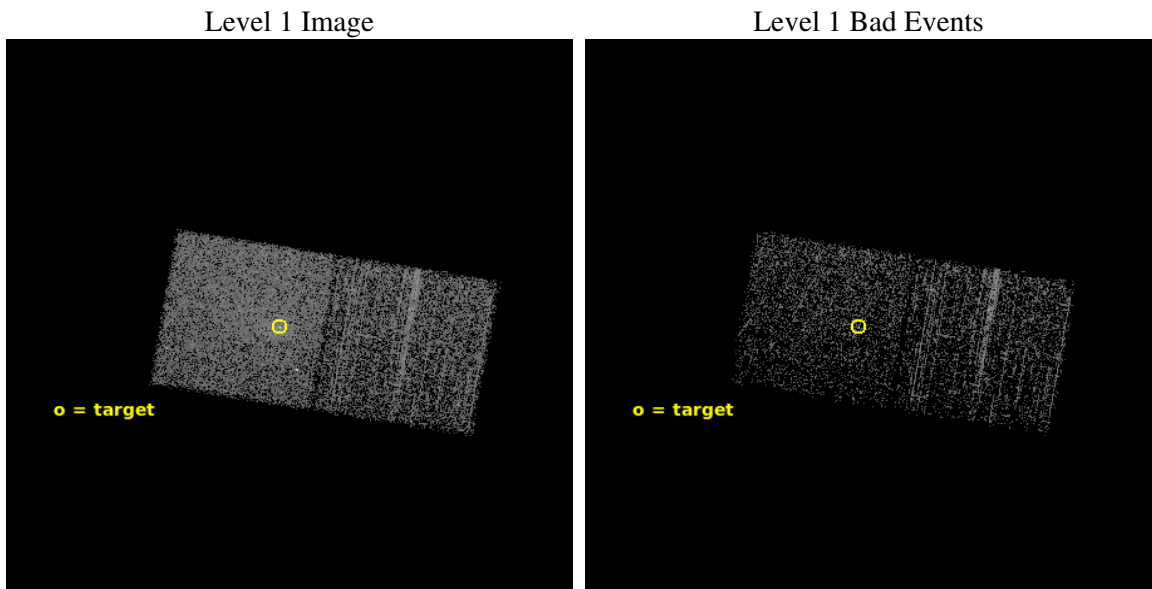
seq_num	701098	Sequence number
obs_id	5675	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RGB1144+674	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.153333	Observer's specified target RA [deg]
dec_targ	67.405917	Observer's specified target Dec [deg]
ra_nom	176.13176244123	Nominal RA [deg]
dec_nom	67.409103180762	Nominal Dec [deg]
roll_nom	189.45594248878	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3177.0	Sum of GTIs [s]
livetime	3134.1251677058	Livetime [s]
ontime6	3177.0	Sum of GTIs [s]
ontime7	3177.0	Sum of GTIs [s]
l2events	19302	Number of level 2 events



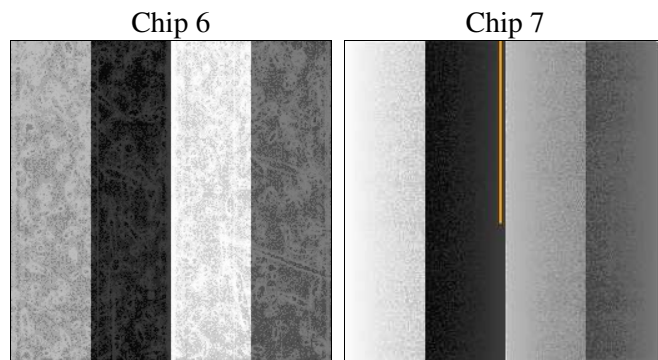
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3177.0	Sum of GTIs [s]
caldbver	4.9.2	 	ontime6	3177.0	Sum of GTIs [s]
date	2020-10-07T10:37:38	Date and time of file creation	ontime7	3177.0	Sum of GTIs [s]
revision	4	Processing version of data	l1events	64190	Number of level 1 events

2.1.4 Events

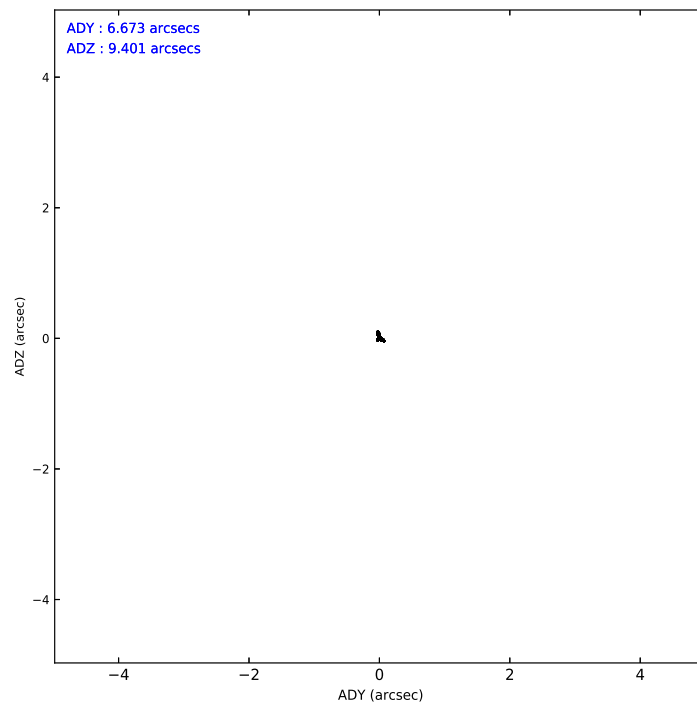
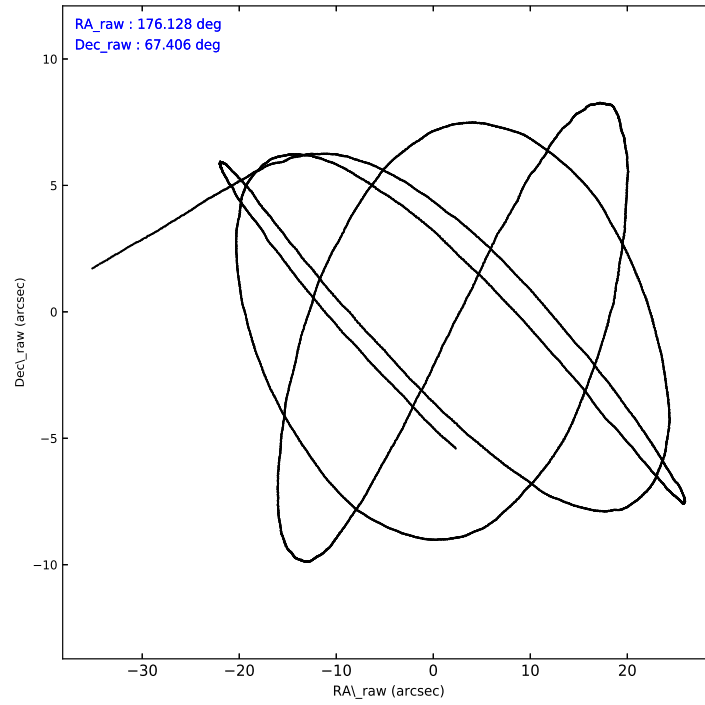
	ccd 6	ccd 7
level 1 events	25657	38533
rejected events	22664	21462
rejected %	88%	55%

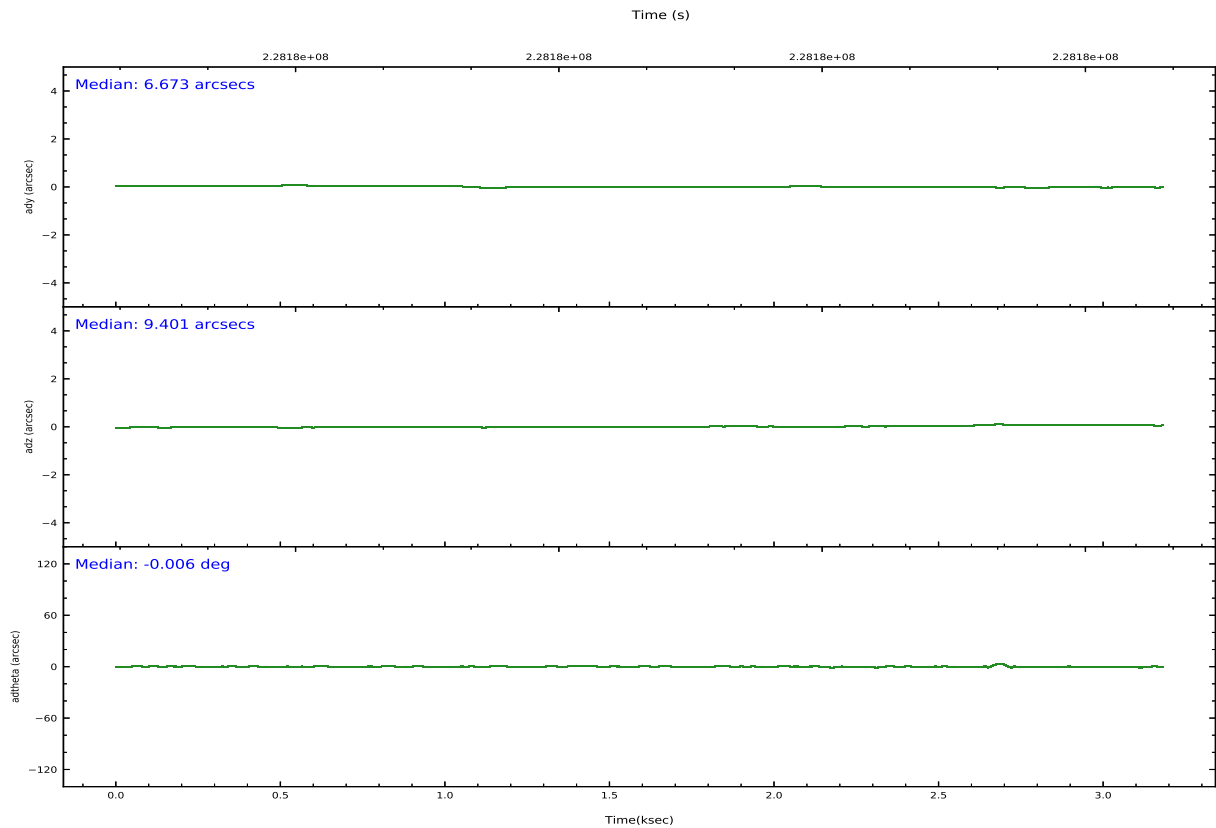
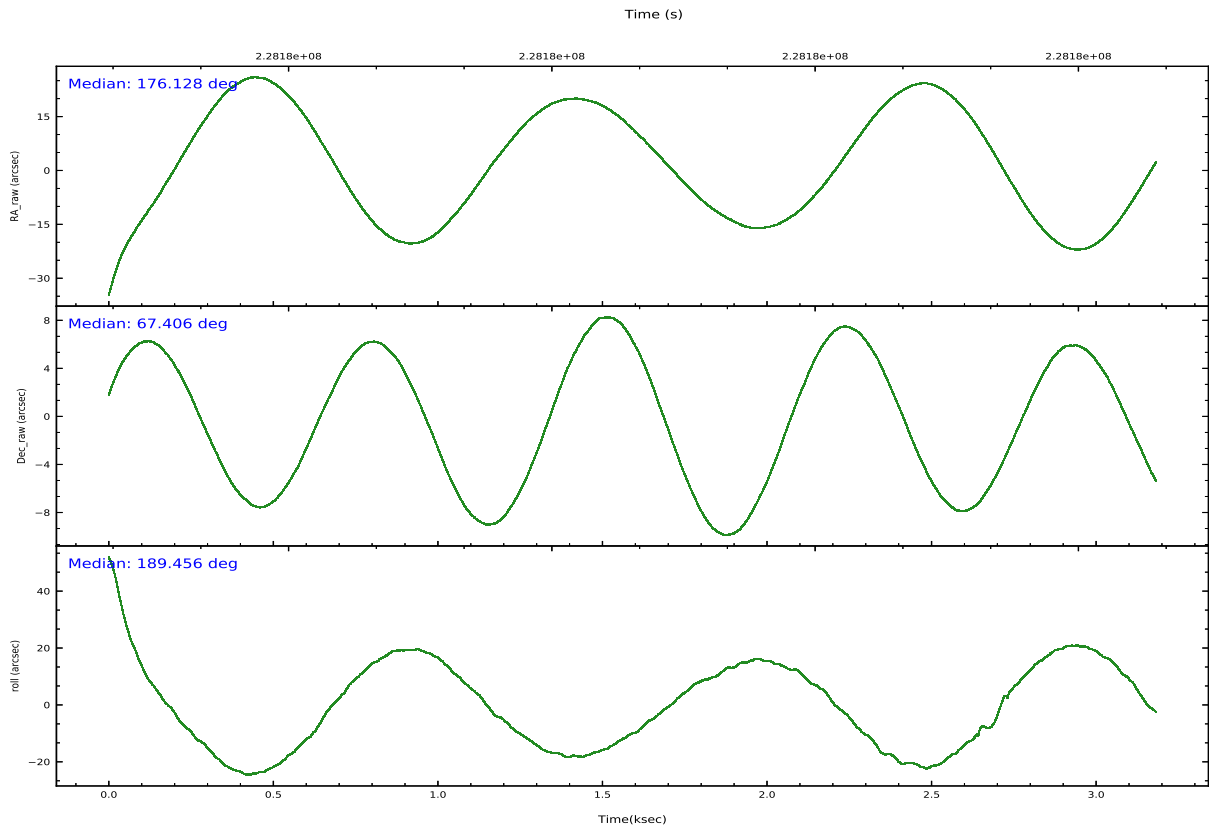
	ccd 6	ccd 7
grade 0 events	1323	2675
	5%	6%
grade 1 events	8	56
	0%	0%
grade 2 events	674	3780
	2%	9%
grade 3 events	303	1707
	1%	4%
grade 4 events	287	1657
	1%	4%
grade 5 events	1239	3326
	4%	8%
grade 6 events	609	8452
	2%	21%
grade 7 events	21214	16880
	82%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-67	ACIS-67	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	176.182325	176.13176244123	Subarray requested	NONE	NONE
[deg] Pointing Dec	67.423613	67.409103180762	Alternating exposures requested	N	N
[deg] Pointing Roll	189.251875	189.45594248878	[s] Primary exposure time	0.000000	3
[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)	228174836.184000	228173919.71486			
Observation start date	2005-03-25T21:52:52	2005-03-25T21:38:39			
[s] Observation end time (MET)	228177836.184000	228178520.42757			
Observation end date	2005-03-25T22:42:52	2005-03-25T22:55:20			
Read mode	TIMED	TIMED			

2.3 Aspect





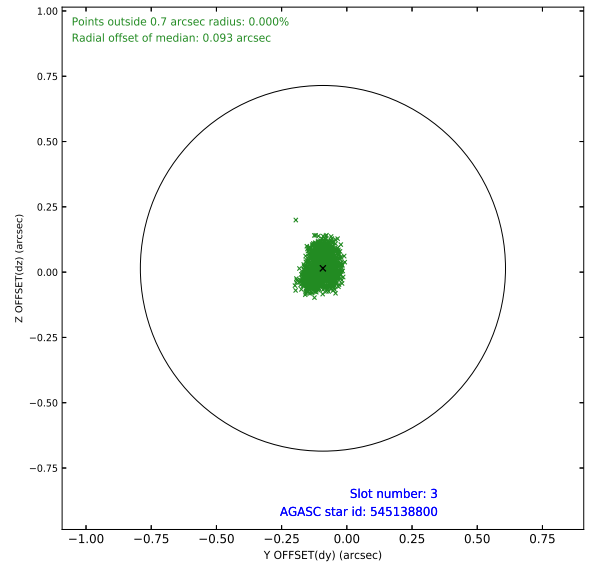
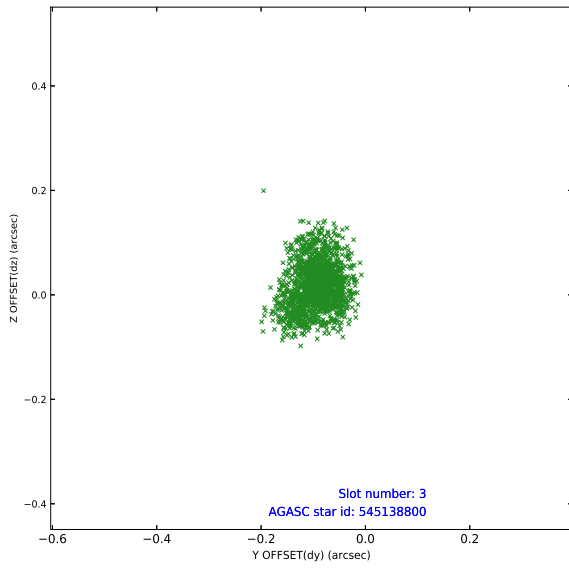
Slot Statistics

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	777	1.000	-0.085	-0.084	0.007	0.012	0.000000	0.000000	-759.46	-1730
1	FID		ACIS-S-4	7.21	777	1.000	0.165	0.063	0.005	0.010	0.000000	0.000000	2153.11	175
2	FID		ACIS-S-5	7.23	777	1.000	-0.111	0.029	0.006	0.012	0.000000	0.000000	-1809.81	171
3	GUIDE	used	545138800	7.37	1552	1.000	-0.092	0.015	0.061	0.095	176.250841	66.863699	227.88	2005
4	GUIDE	used	575668400	8.89	1552	1.000	0.005	-0.032	0.066	0.110	175.662312	67.712046	533.50	-1140
5	GUIDE	used	575801488	8.62	1554	1.000	-0.162	-0.060	0.074	0.115	177.117891	67.976582	-1567.81	-1771
6	GUIDE	used	545133792	9.13	1551	1.000	0.110	0.118	0.087	0.135	175.256822	66.689814	1723.31	2385
7	GUIDE	used	575680632	8.46	1553	1.000	0.140	-0.033	0.059	0.096	175.131537	67.597460	1321.71	-859

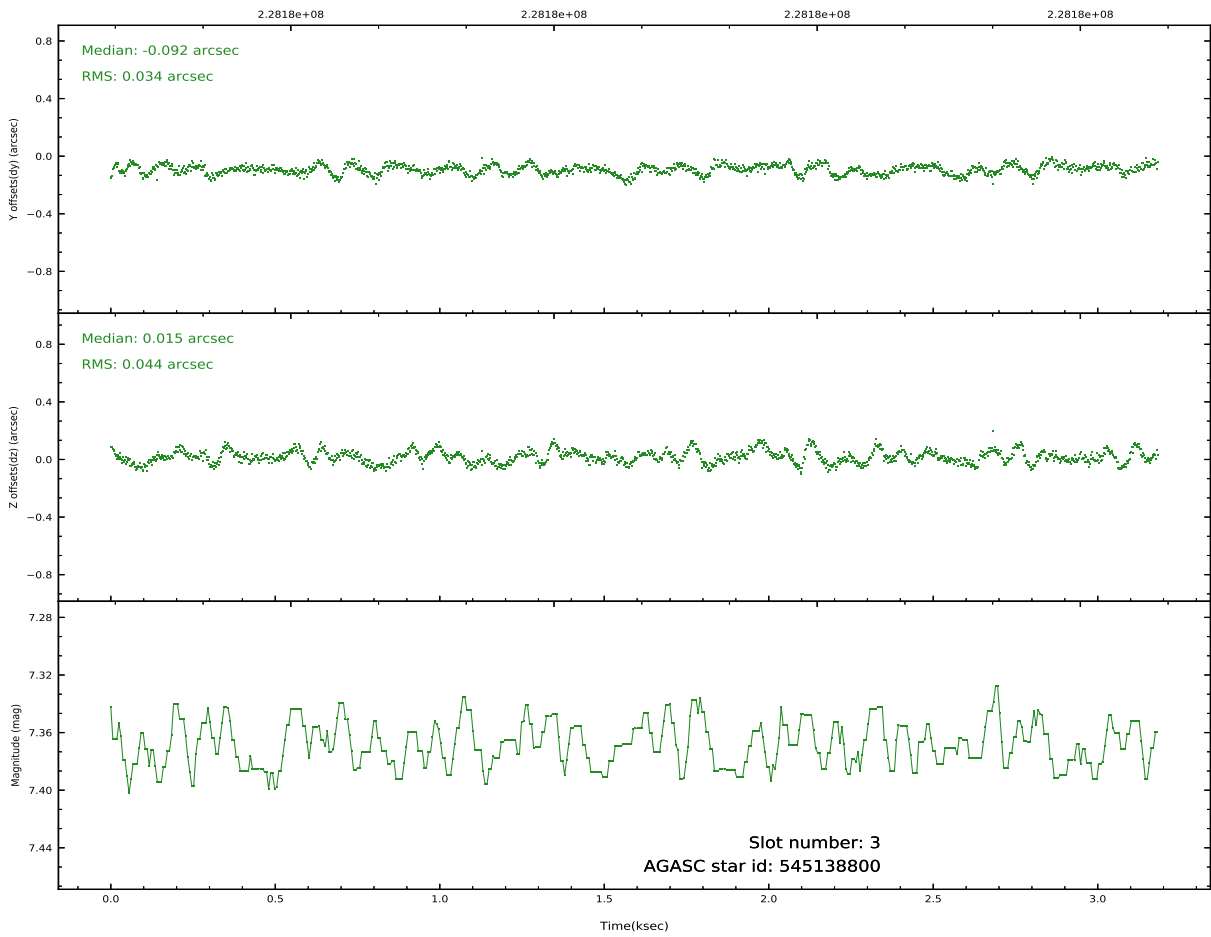
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2.4 Star Slots

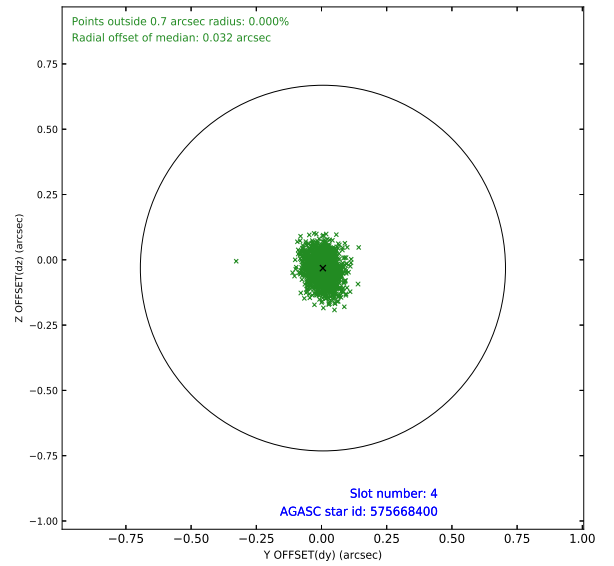
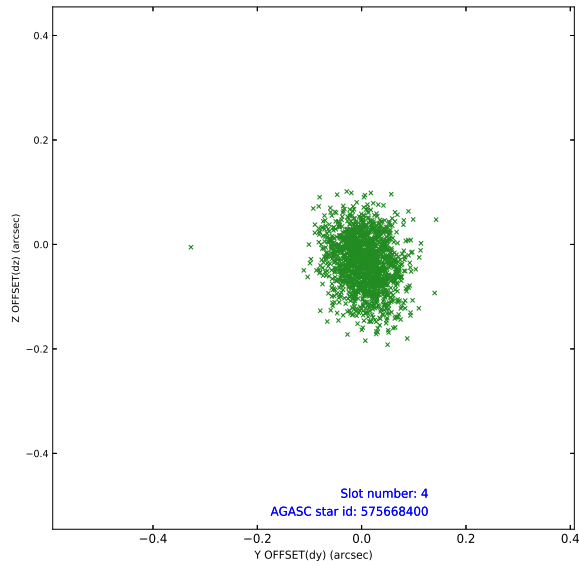
2.4.1 Slot 3



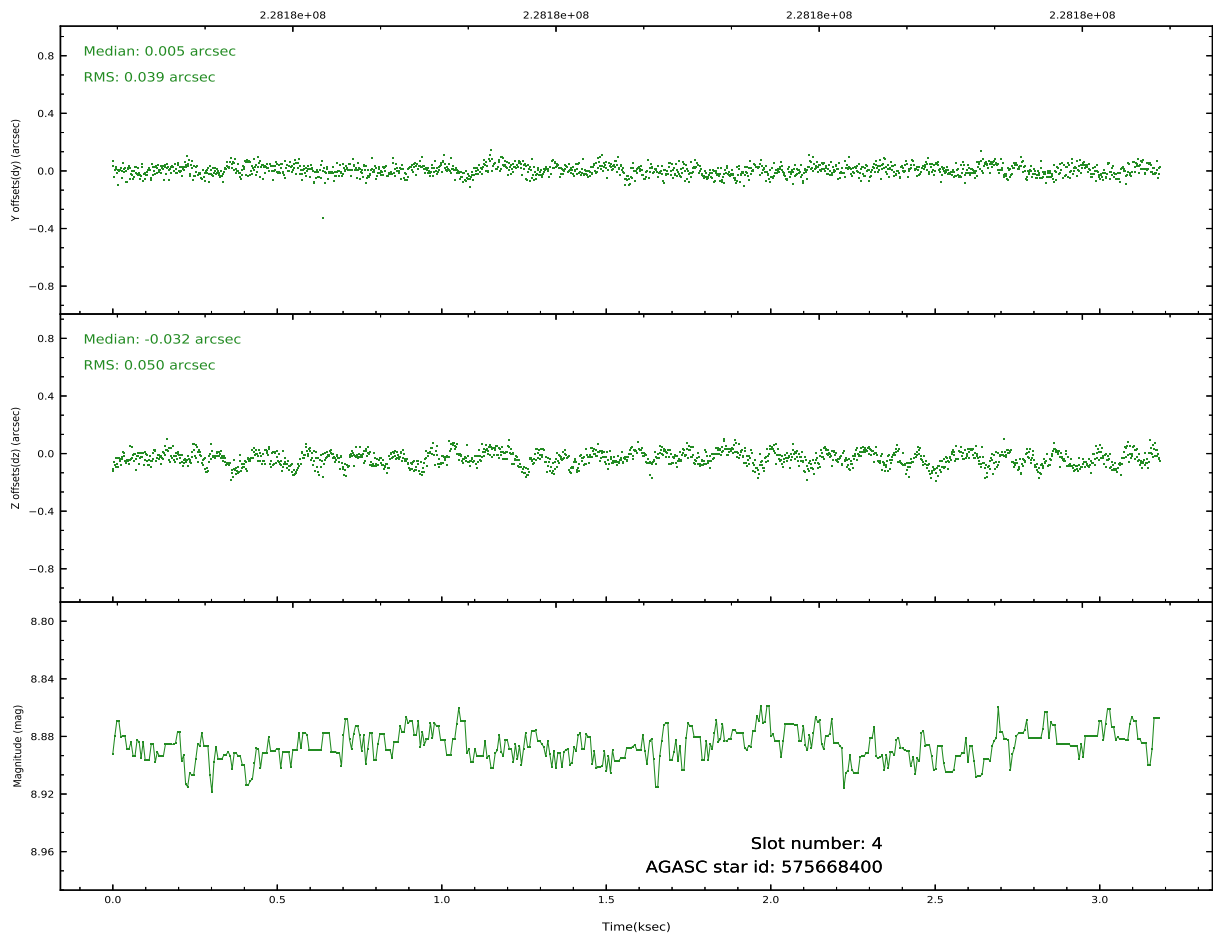
Time (s)



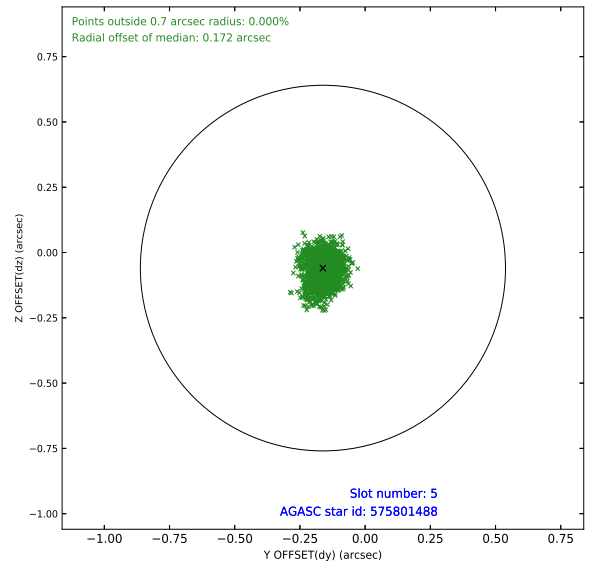
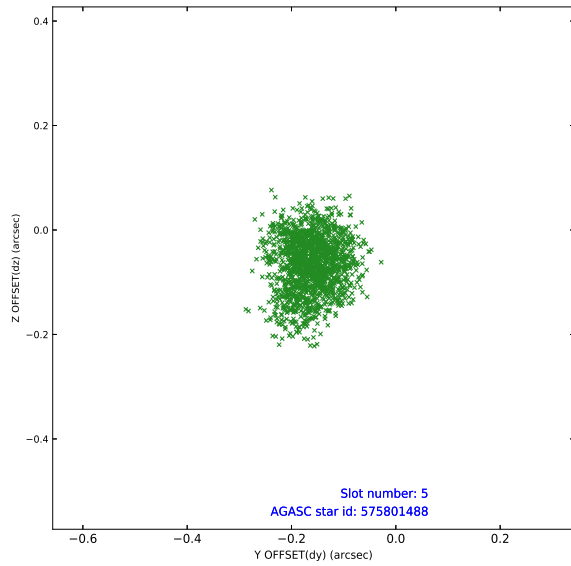
2.4.2 Slot 4



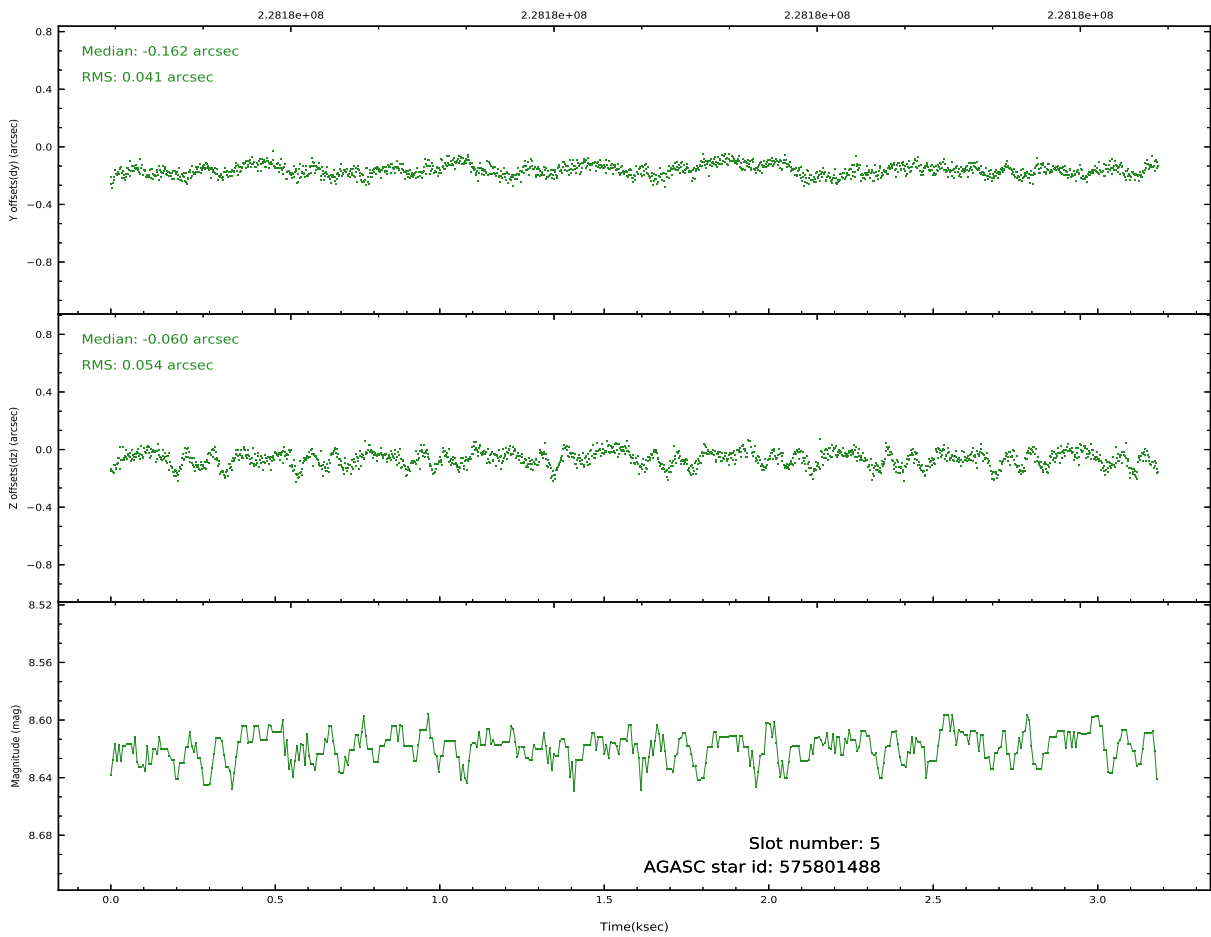
Time (s)



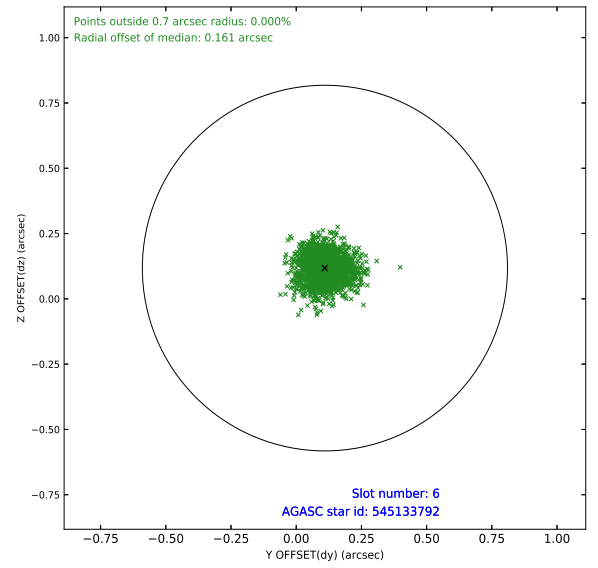
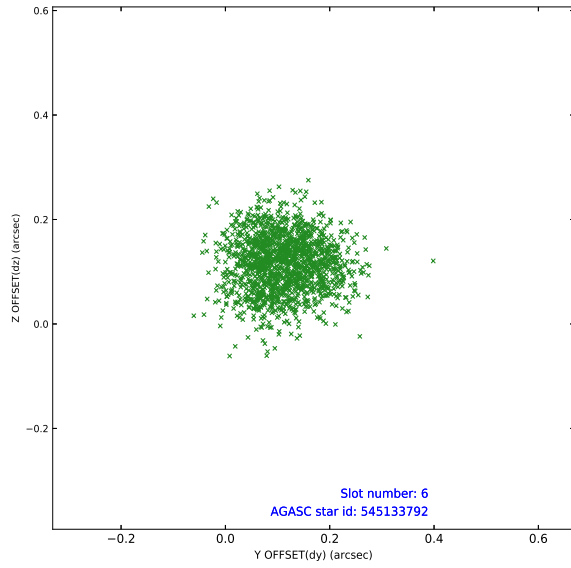
2.4.3 Slot 5



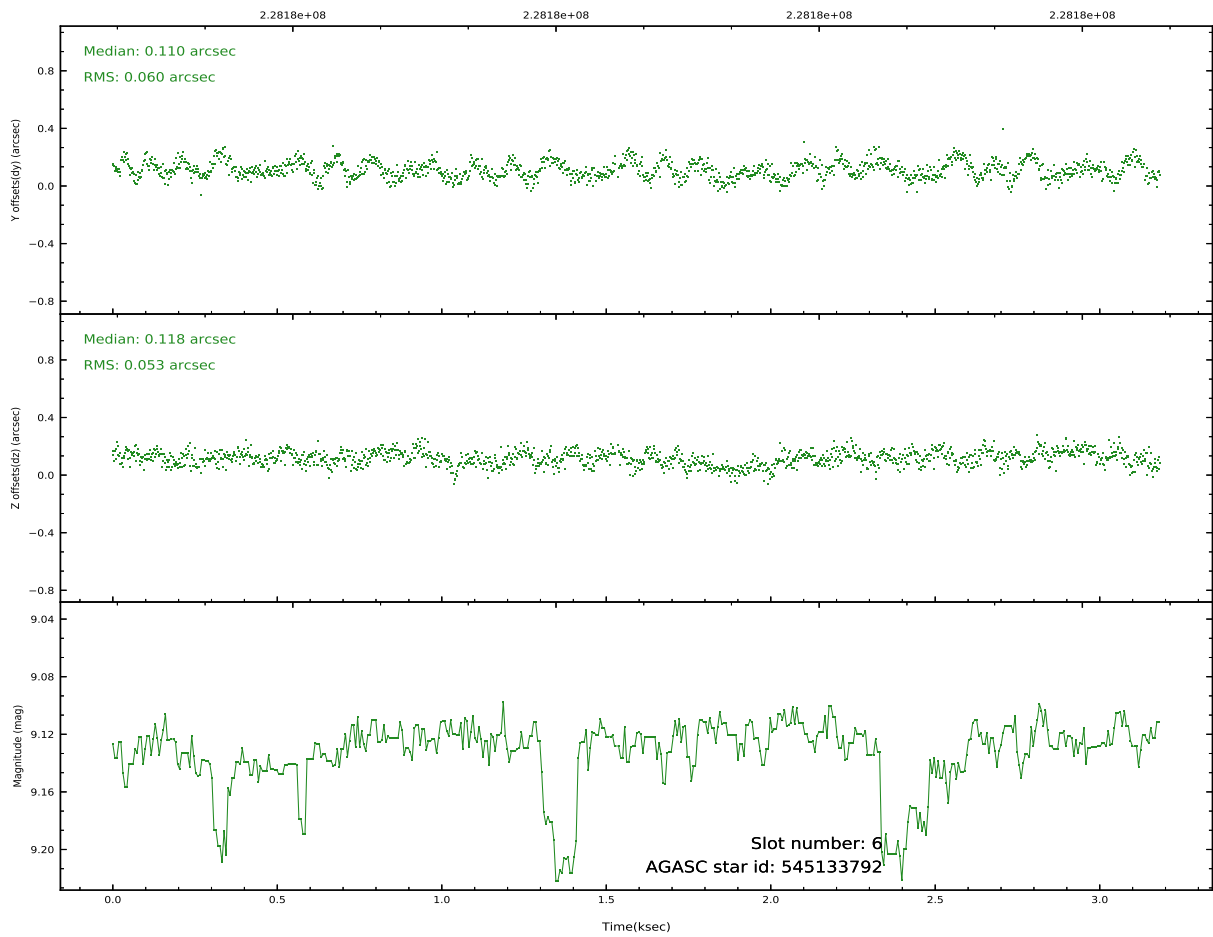
Time (s)



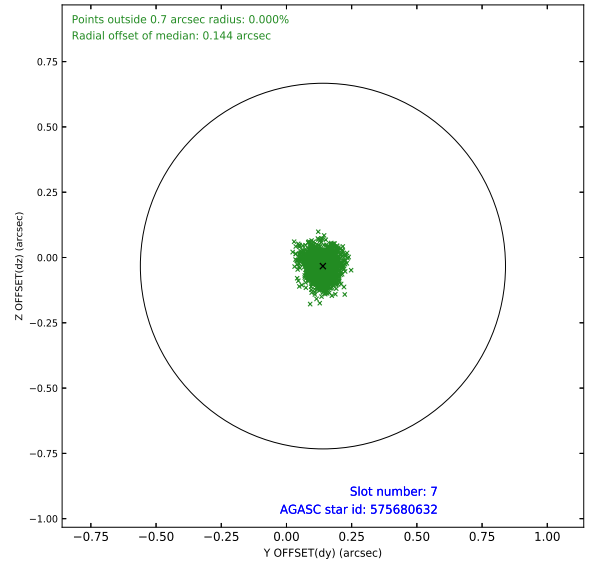
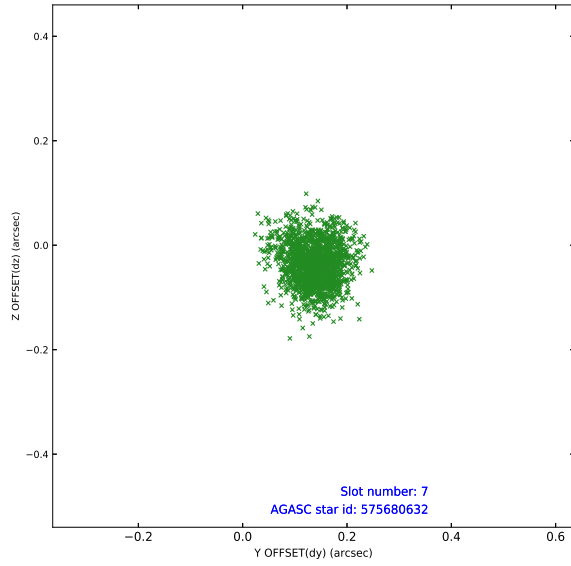
2.4.4 Slot 6



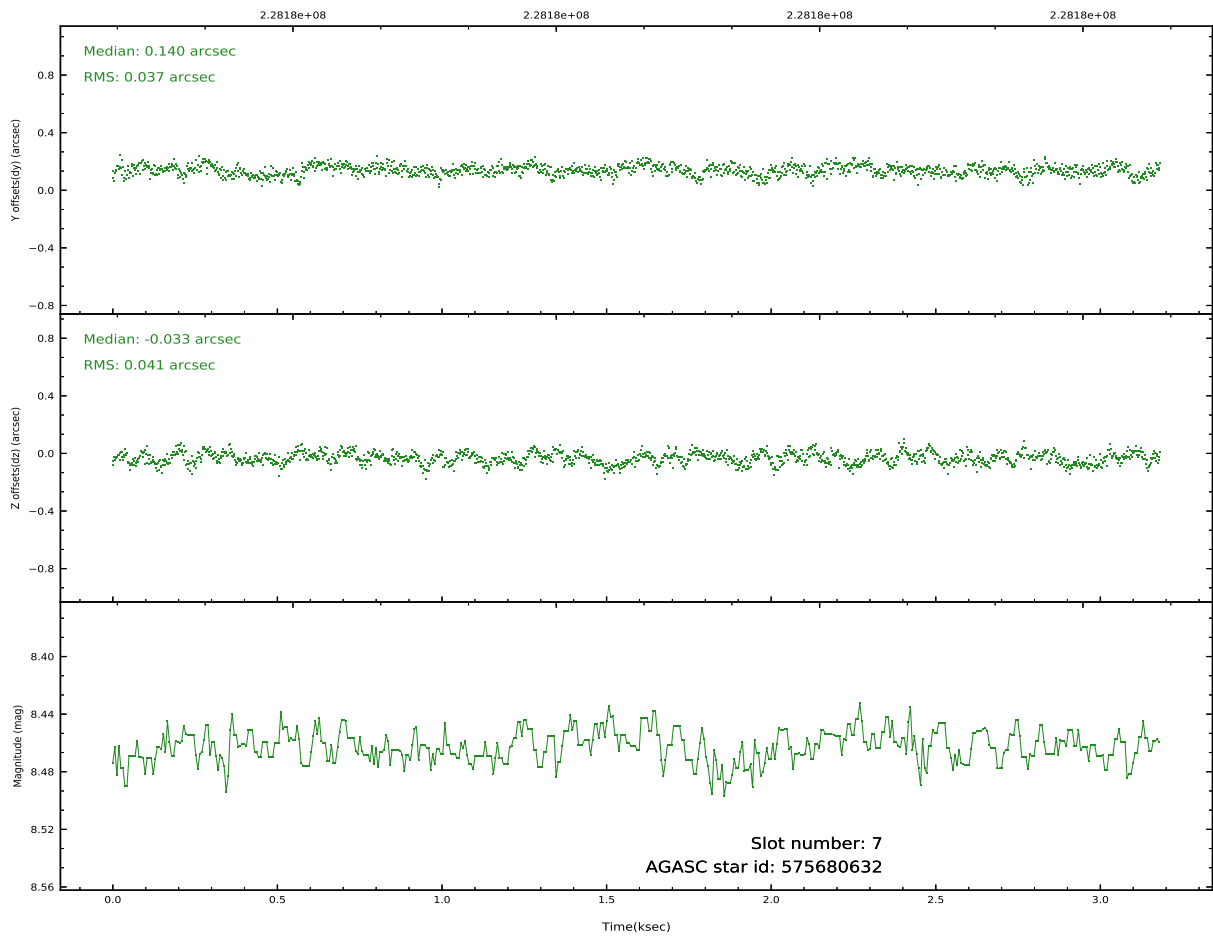
Time (s)



2.4.5 Slot 7

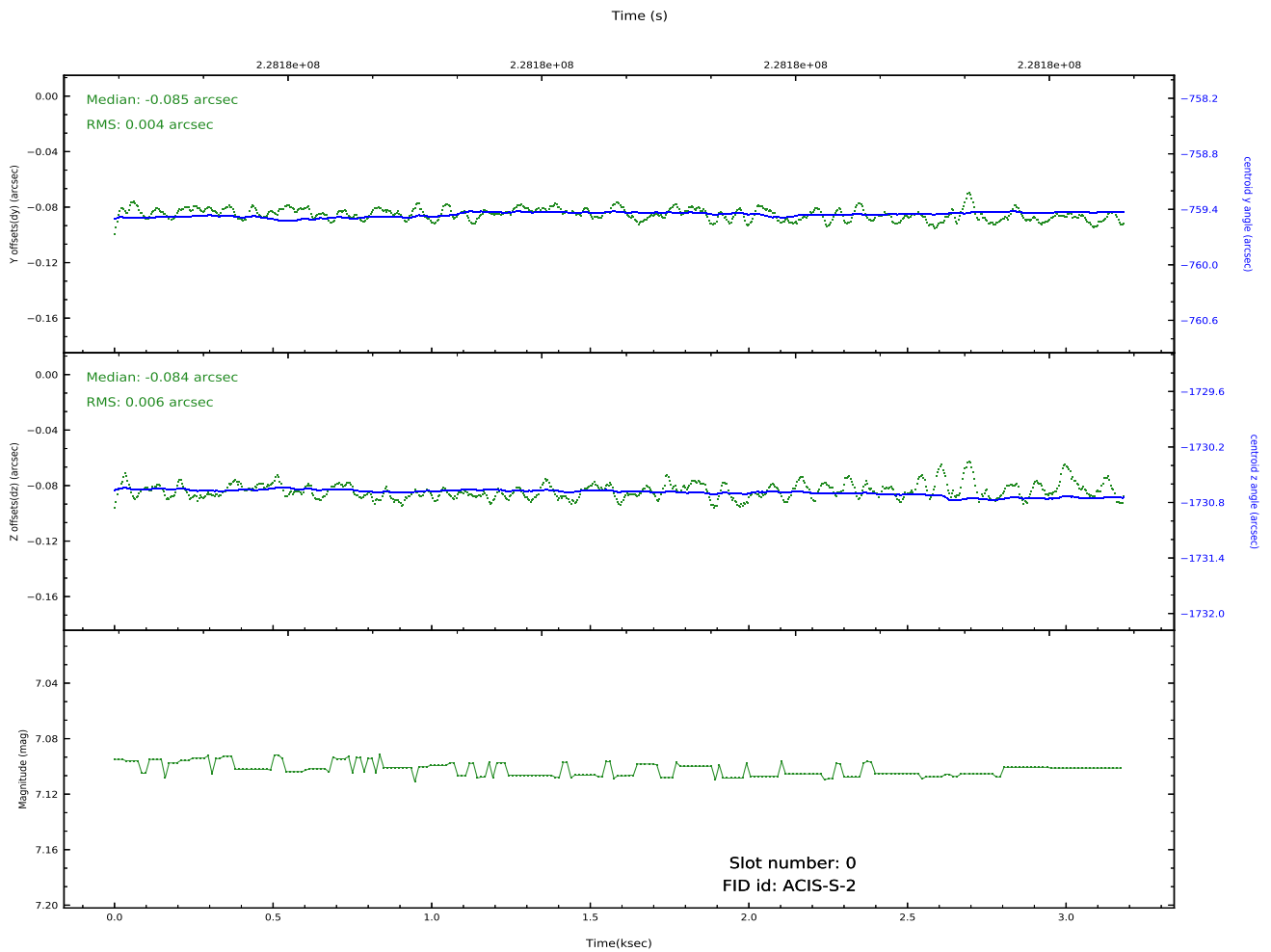
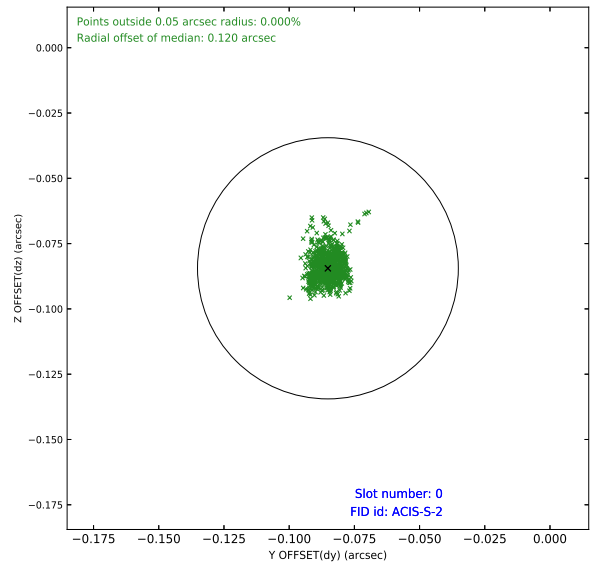
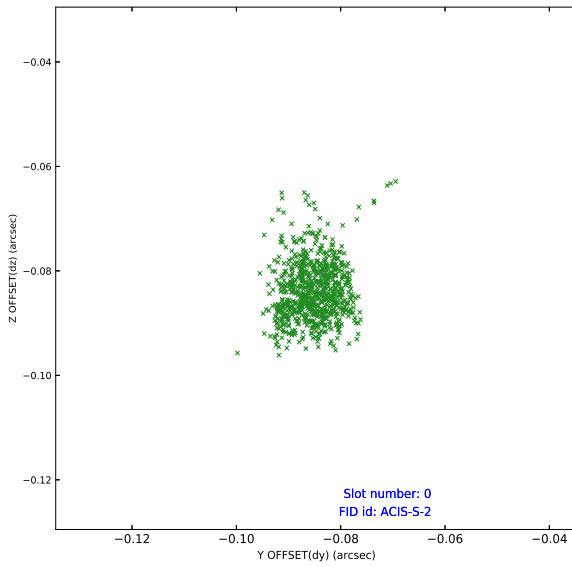


Time (s)

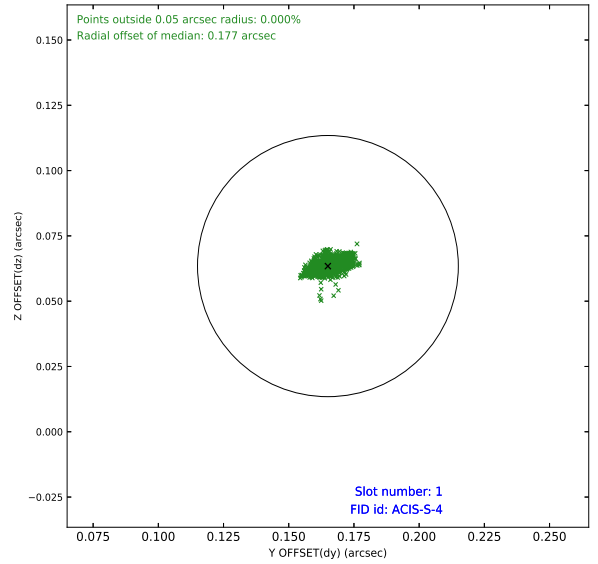
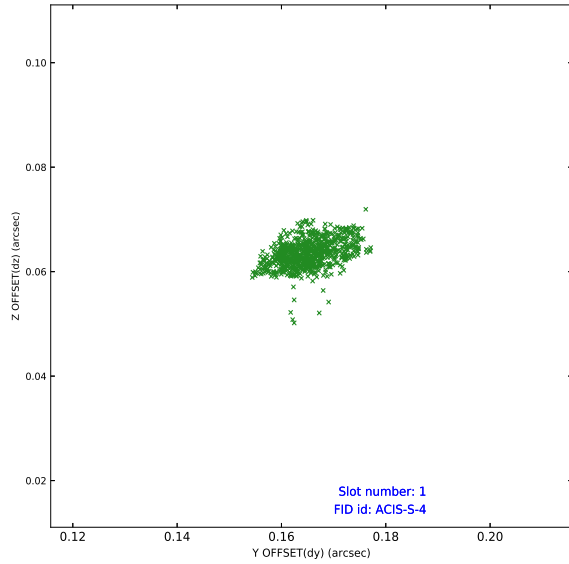


2.5 FID Slots

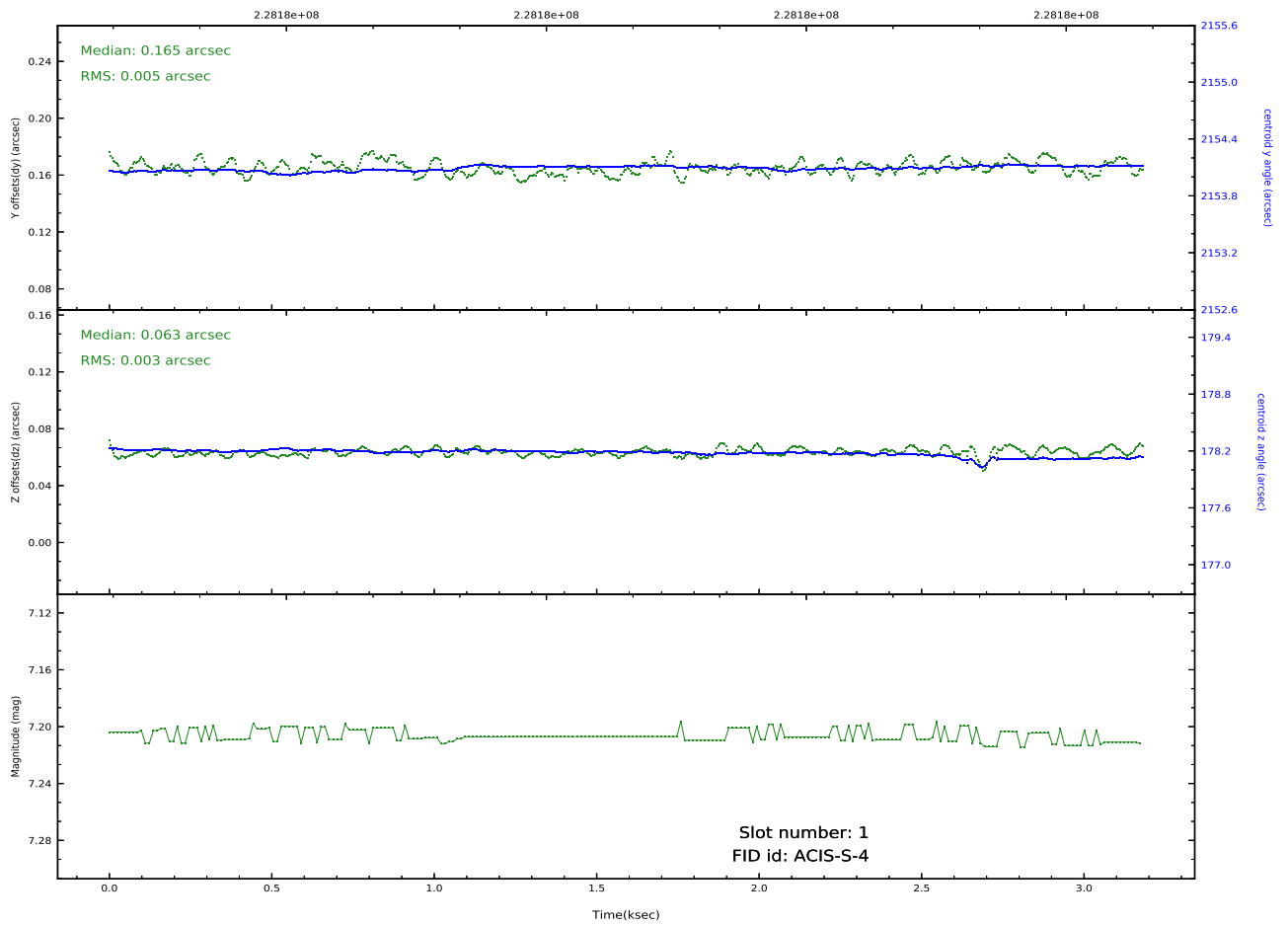
2.5.1 Slot 0



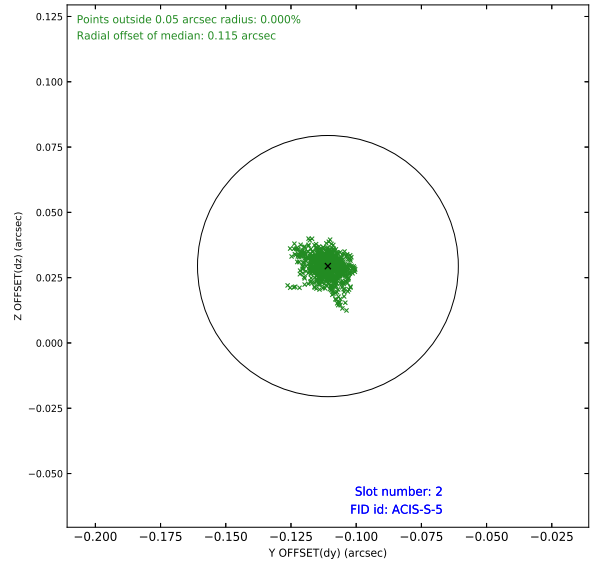
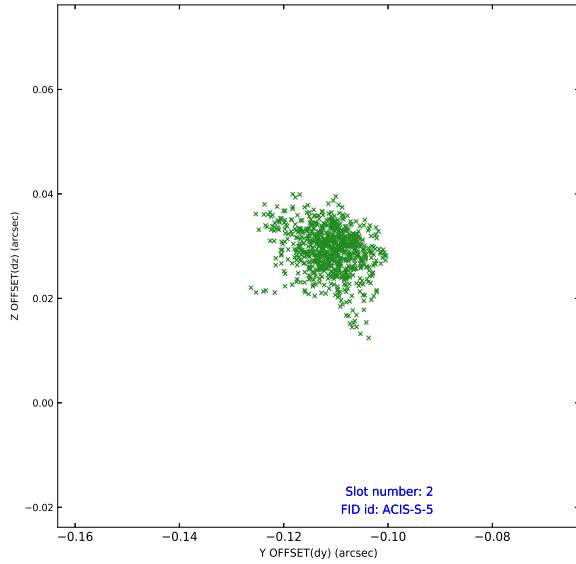
2.5.2 Slot 1



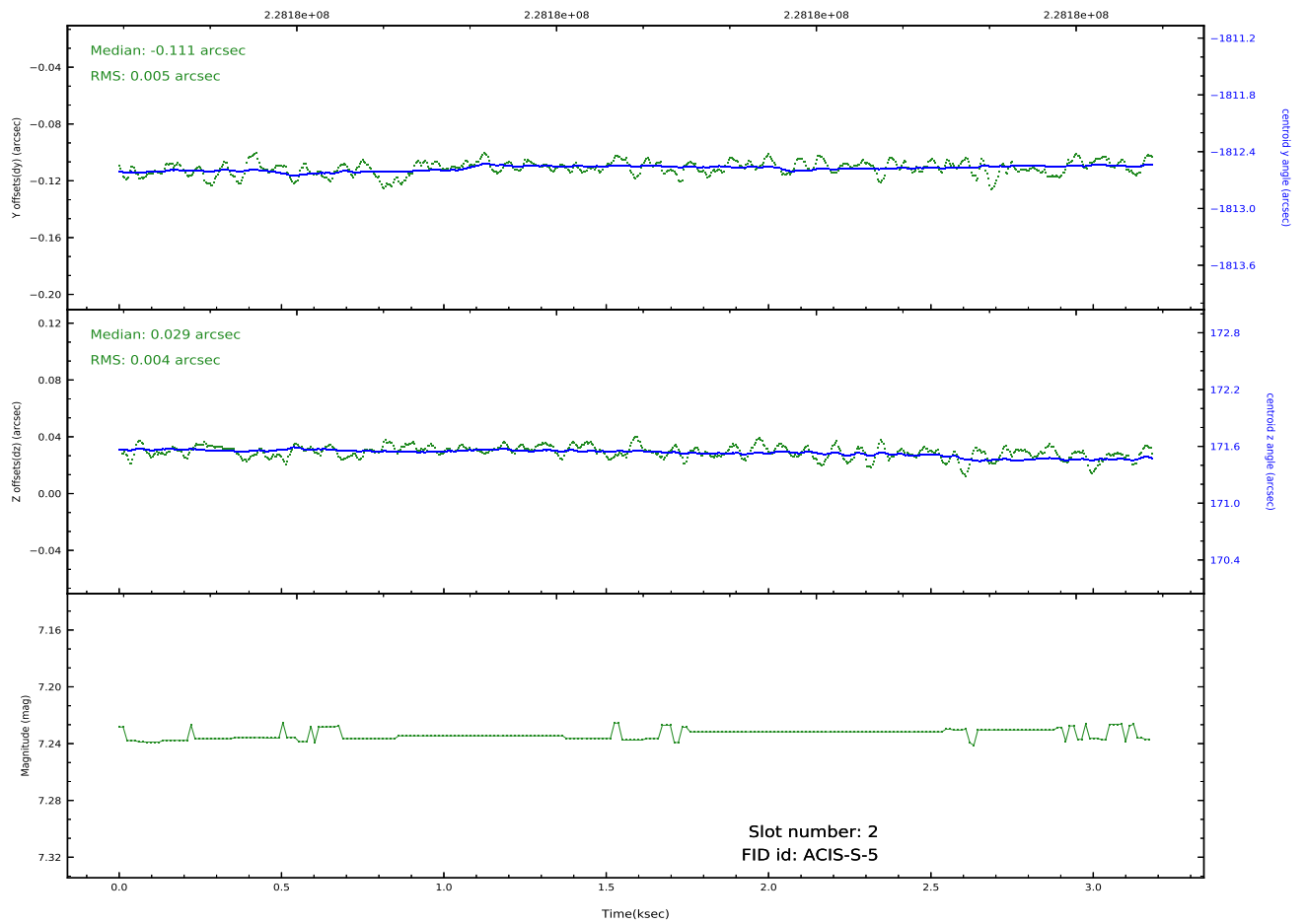
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.177

A.2 Comments

Joint Proposal: NRAO