

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5674 - L2 Version 4
Chandra X-Ray Center

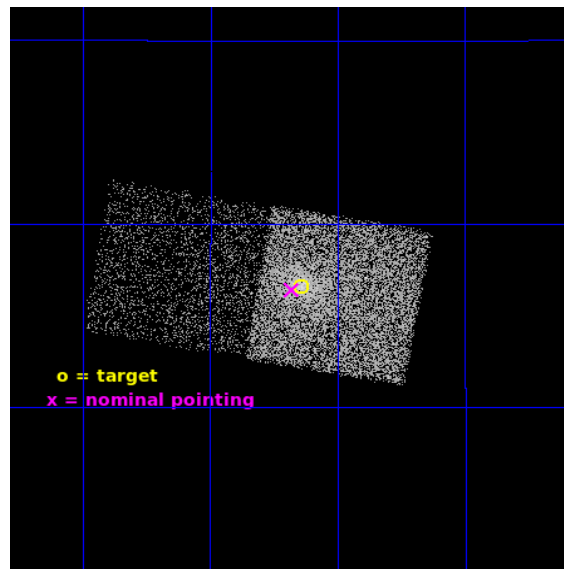
L2 Processing Date : Oct 5 2020

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

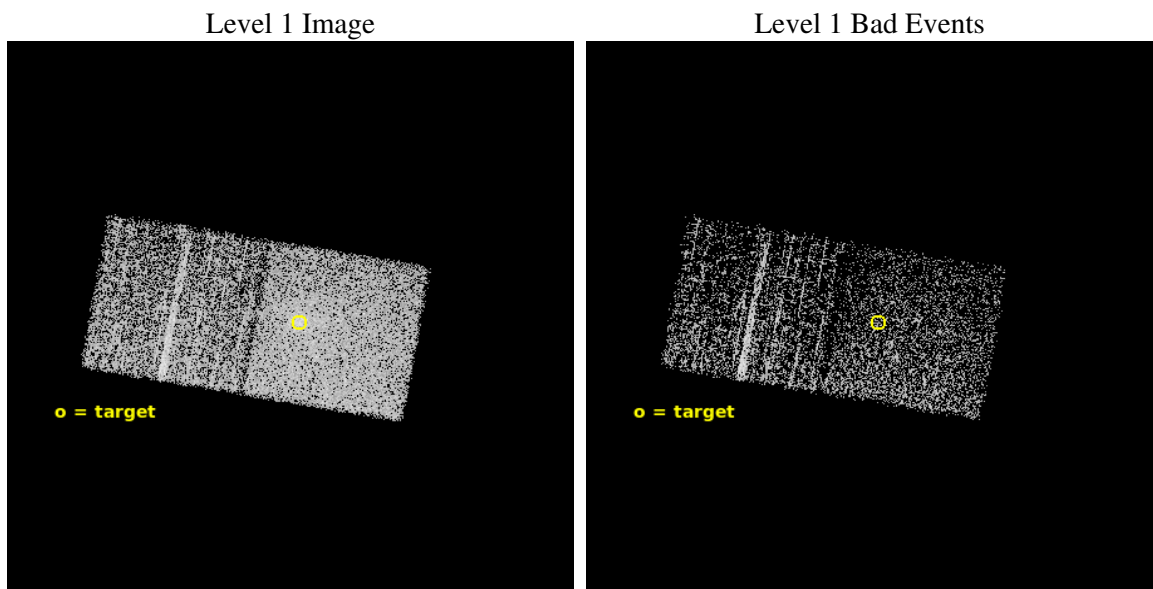
seq_num	701097	Sequence number
obs_id	5674	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RXJ1642.6+2726	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.660833	Observer's specified target RA [deg]
dec_targ	27.443694	Observer's specified target Dec [deg]
ra_nom	250.66991127809	Nominal RA [deg]
dec_nom	27.440449045322	Nominal Dec [deg]
roll_nom	9.8930594220987	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3141.0	Sum of GTIs [s]
livetime	3098.6110014995	Livetime [s]
ontime6	3137.9590297341	Sum of GTIs [s]
ontime7	3141.0	Sum of GTIs [s]
l2events	19721	Number of level 2 events



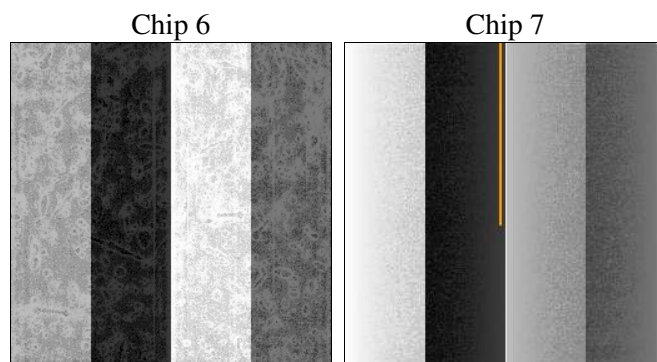
2 OBI

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	3141.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime6	3137.9590297341	Sum of GTIs [s]
date	2020-10-05T12:50:06	Date and time of file creation	ontime7	3141.0	Sum of GTIs [s]
revision	4	Processing version of data	l1events	76640	Number of level 1 events

2.1.4 Events

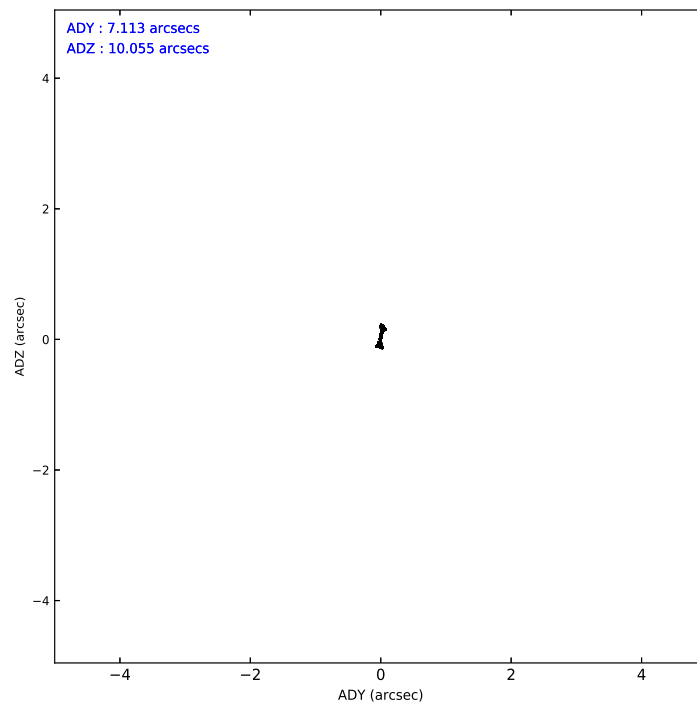
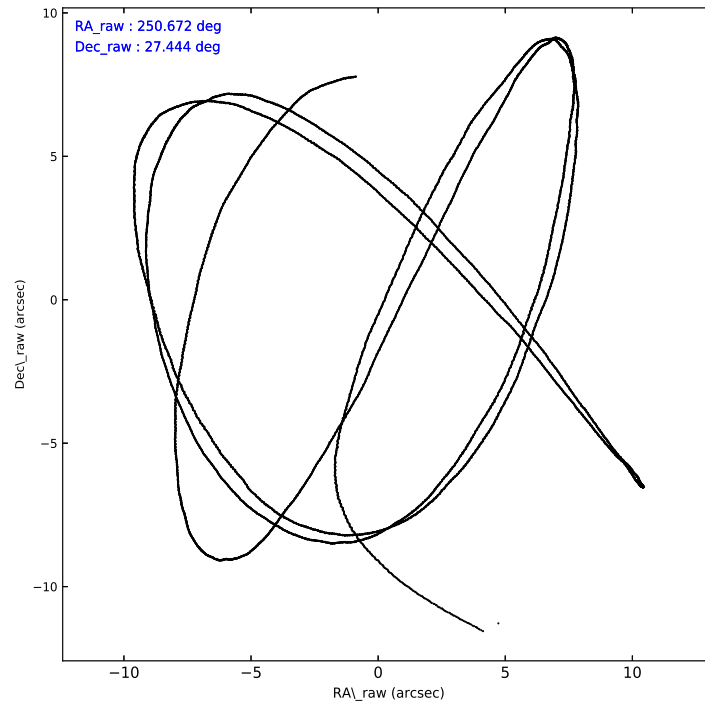
	ccd 6	ccd 7
level 1 events	31756	44884
rejected events	28224	27883
rejected %	88%	62%

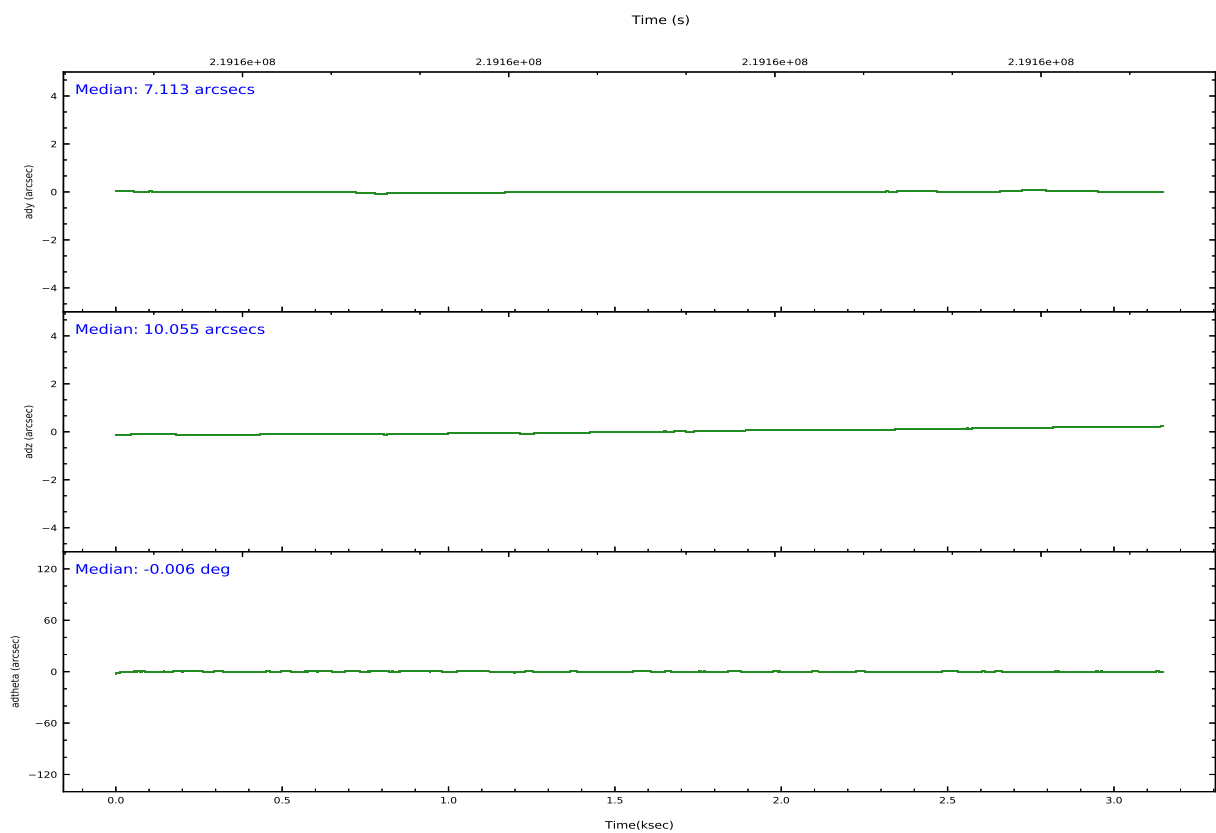
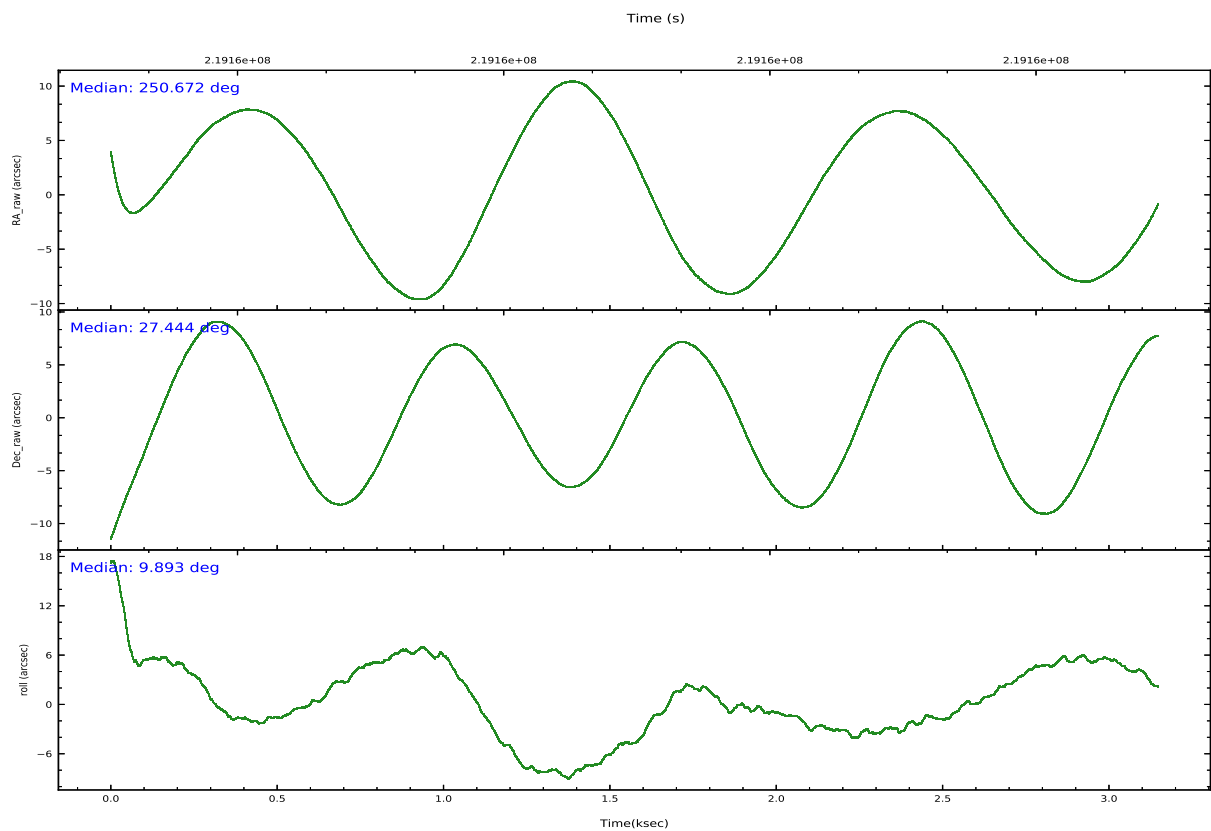
	ccd 6	ccd 7
grade 0 events	1970	2468
	6%	5%
grade 1 events	13	43
	0%	0%
grade 2 events	899	4299
	2%	9%
grade 3 events	366	1888
	1%	4%
grade 4 events	357	1853
	1%	4%
grade 5 events	1316	4008
	4%	8%
grade 6 events	732	10239
	2%	22%
grade 7 events	26103	20086
	82%	44%

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	250.648461	250.66991127809	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.425909	27.440449045322	Alternating exposures requested	N	N
[deg] Pointing Roll	9.746628	9.8930594220987	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	219158167.184000	219156978.93239			
Observation start date	2004-12-11T13:15:03	2004-12-11T12:56:18			
[s] Observation end time (MET)	219161167.184000	219161518.14509			
Observation end date	2004-12-11T14:05:03	2004-12-11T14:11:58			
Read mode	TIMED	TIMED			

2.3 Aspect



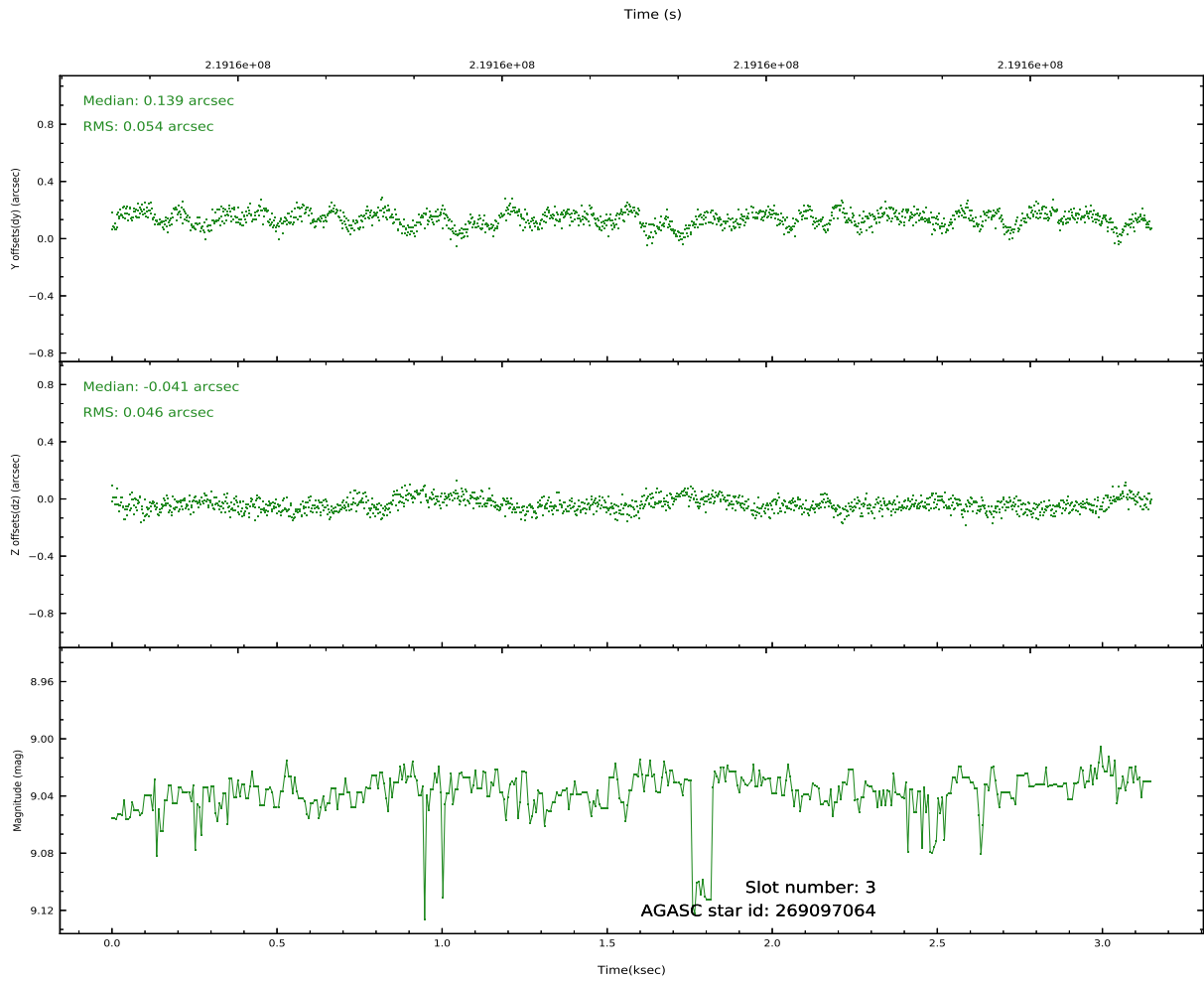
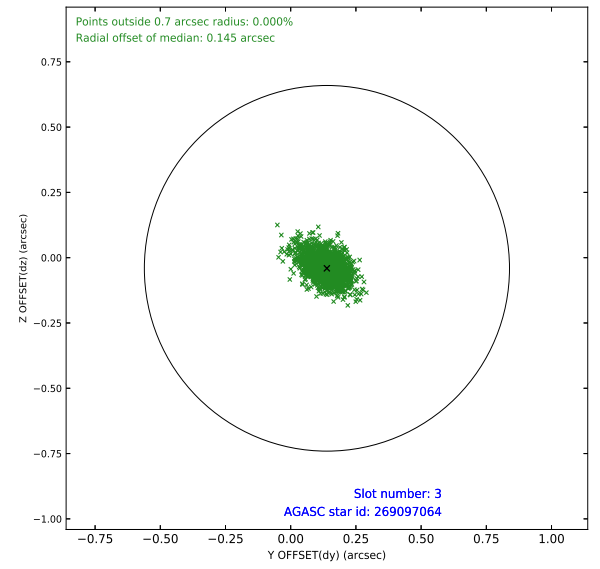
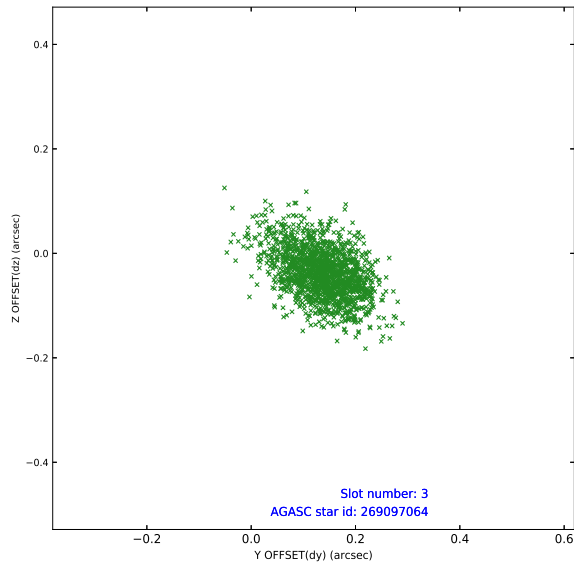


Slot Statistics

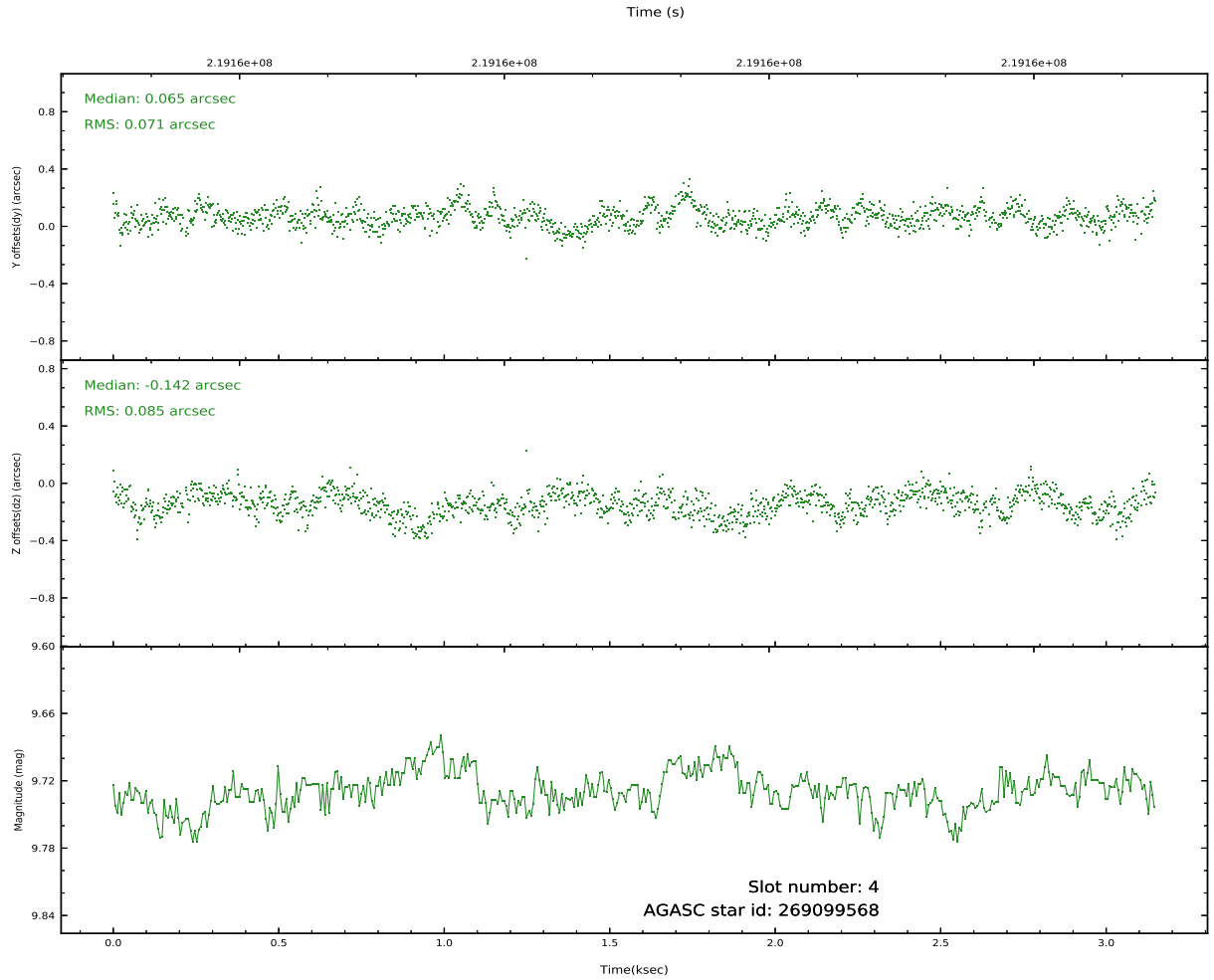
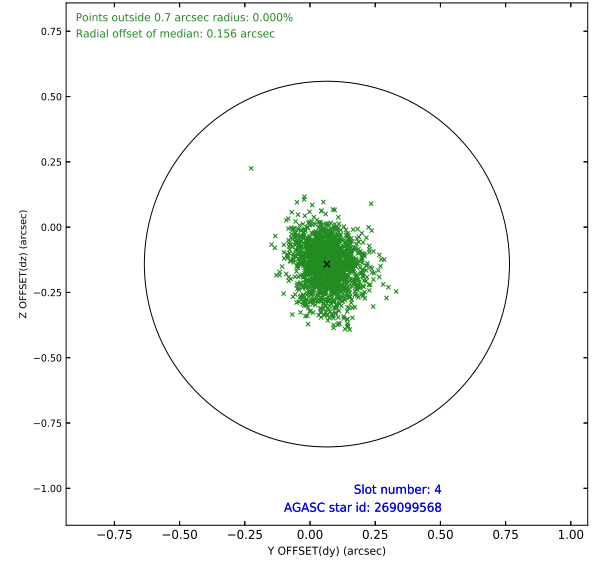
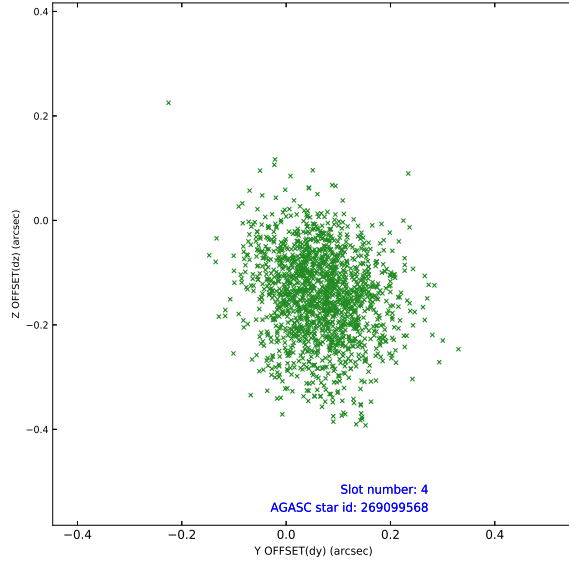
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	768	1.000	-0.086	-0.064	0.008	0.011	0.000000	0.000000	-759.89	-1731
1	FID		ACIS-S-4	7.21	768	1.000	0.163	0.058	0.005	0.010	0.000000	0.000000	2152.65	175
2	FID		ACIS-S-5	7.23	768	1.000	-0.108	0.014	0.007	0.012	0.000000	0.000000	-1810.22	171
3	GUIDE	used	269097064	9.04	1534	1.000	0.139	-0.041	0.075	0.129	250.060753	27.728168	-1660.43	1393
4	GUIDE	used	269099568	9.73	1520	1.000	0.065	-0.142	0.118	0.192	250.282363	27.944407	-832.01	2039
5	GUIDE	used	269101744	6.13	1537	1.000	-0.065	-0.021	0.046	0.085	250.402915	26.916881	-1086.97	-1670
6	GUIDE	used	270798880	9.75	1534	1.000	-0.164	0.163	0.114	0.181	251.233723	27.187875	1702.51	-1158
7	GUIDE	used	270799520	8.64	1535	1.000	0.021	0.041	0.084	0.139	251.386041	27.126080	2149.33	-1457

2.4 Star Slots

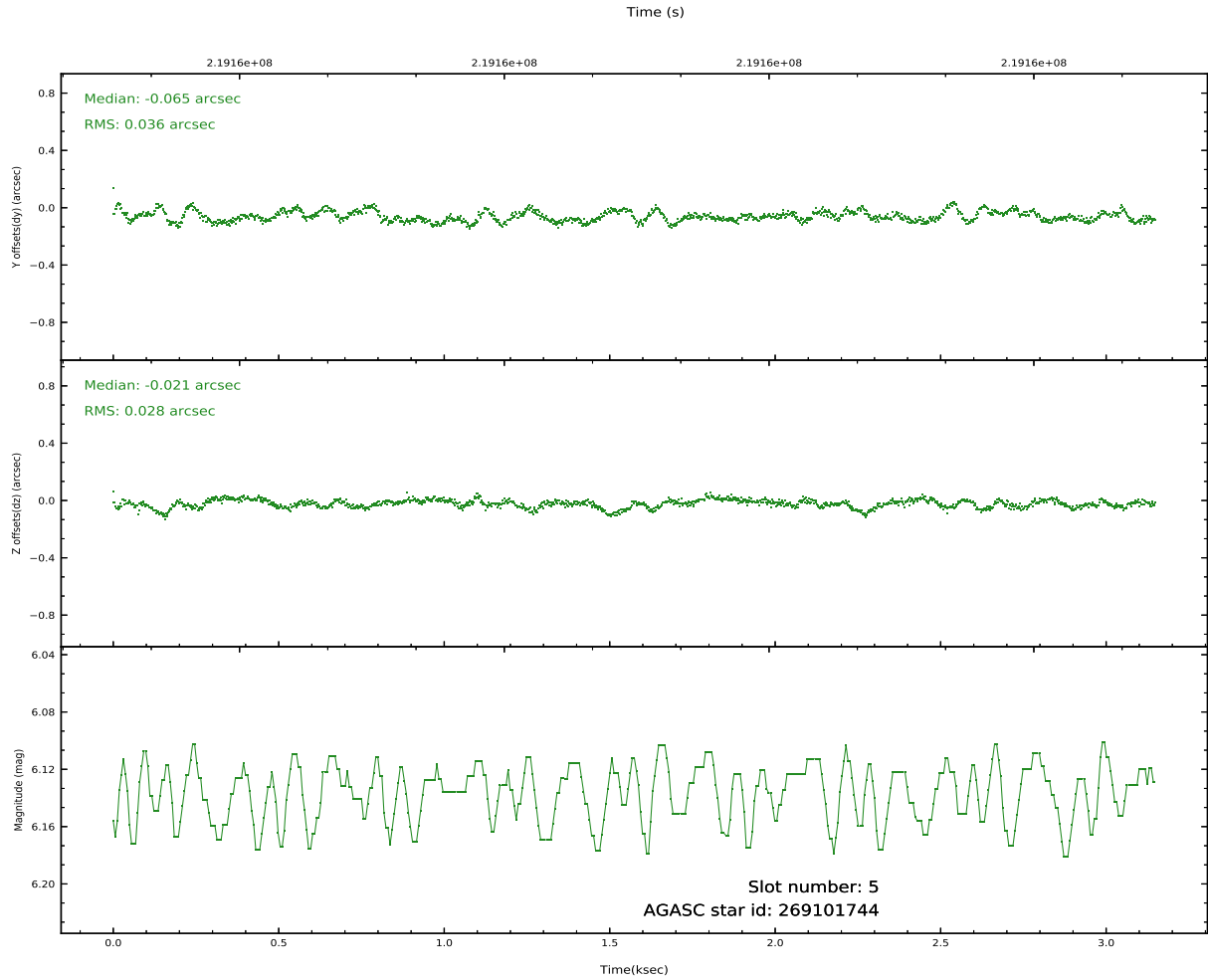
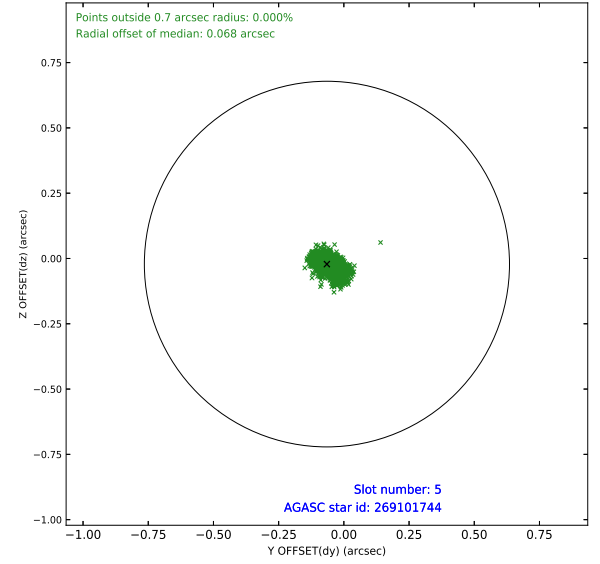
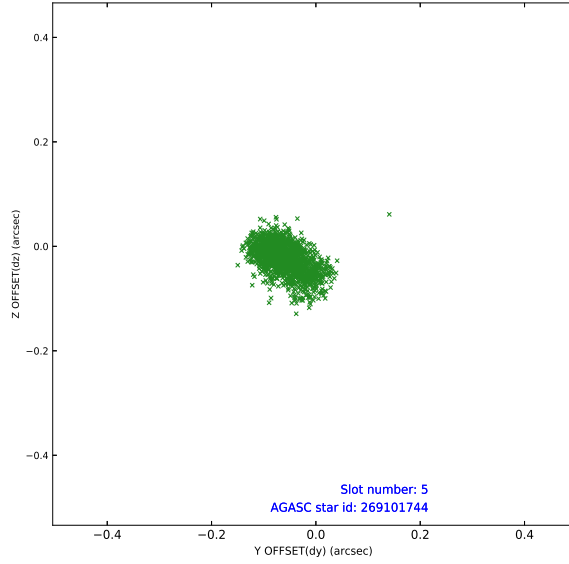
2.4.1 Slot 3



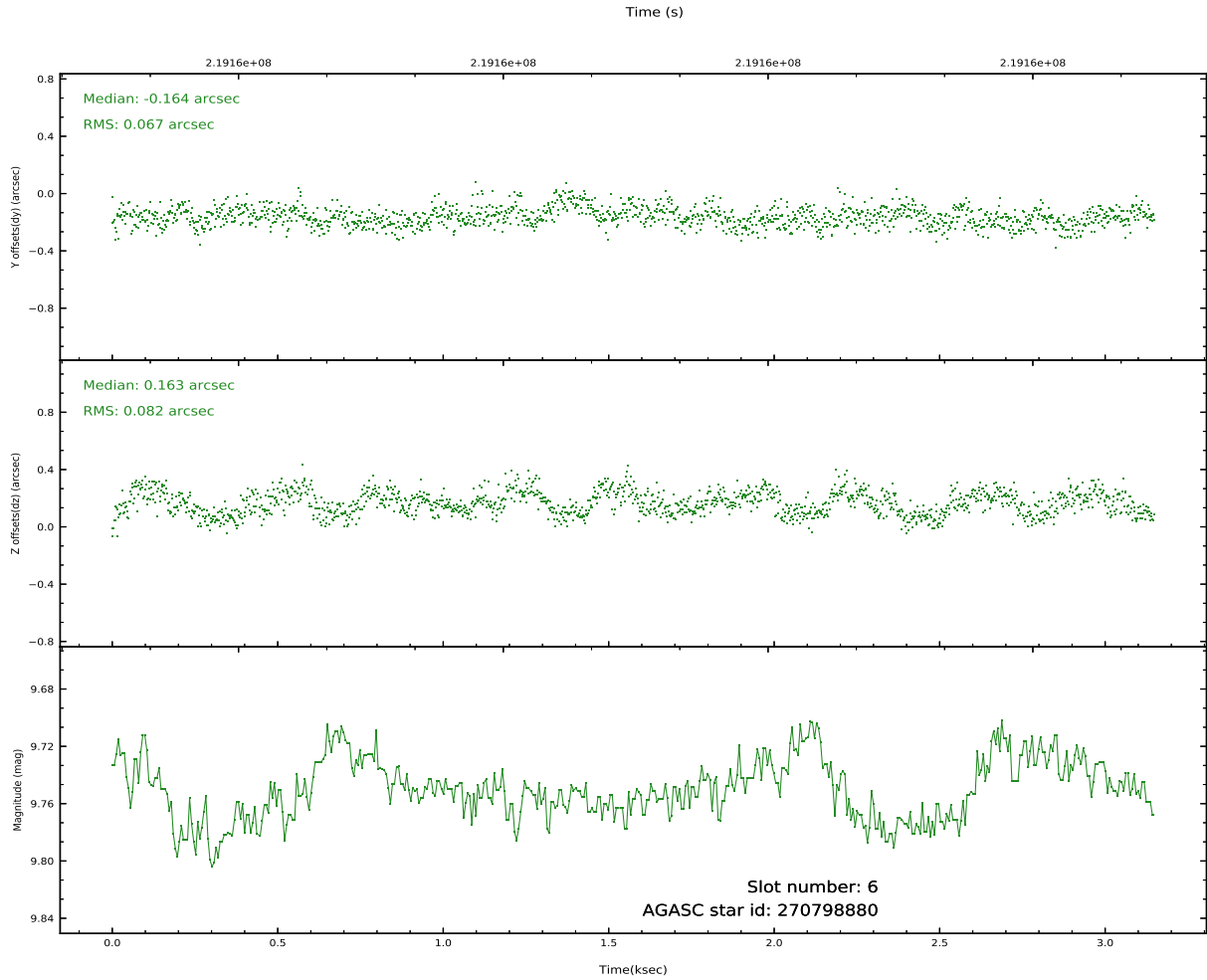
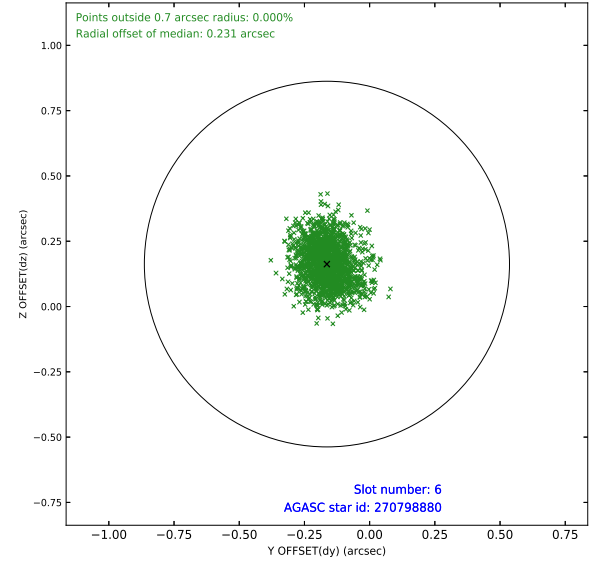
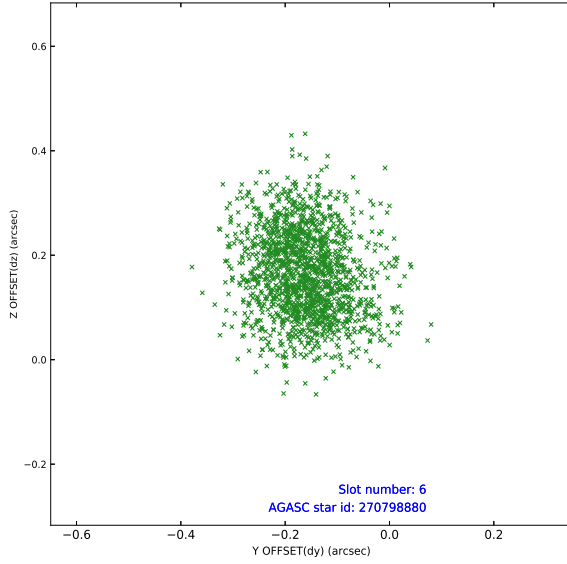
2.4.2 Slot 4



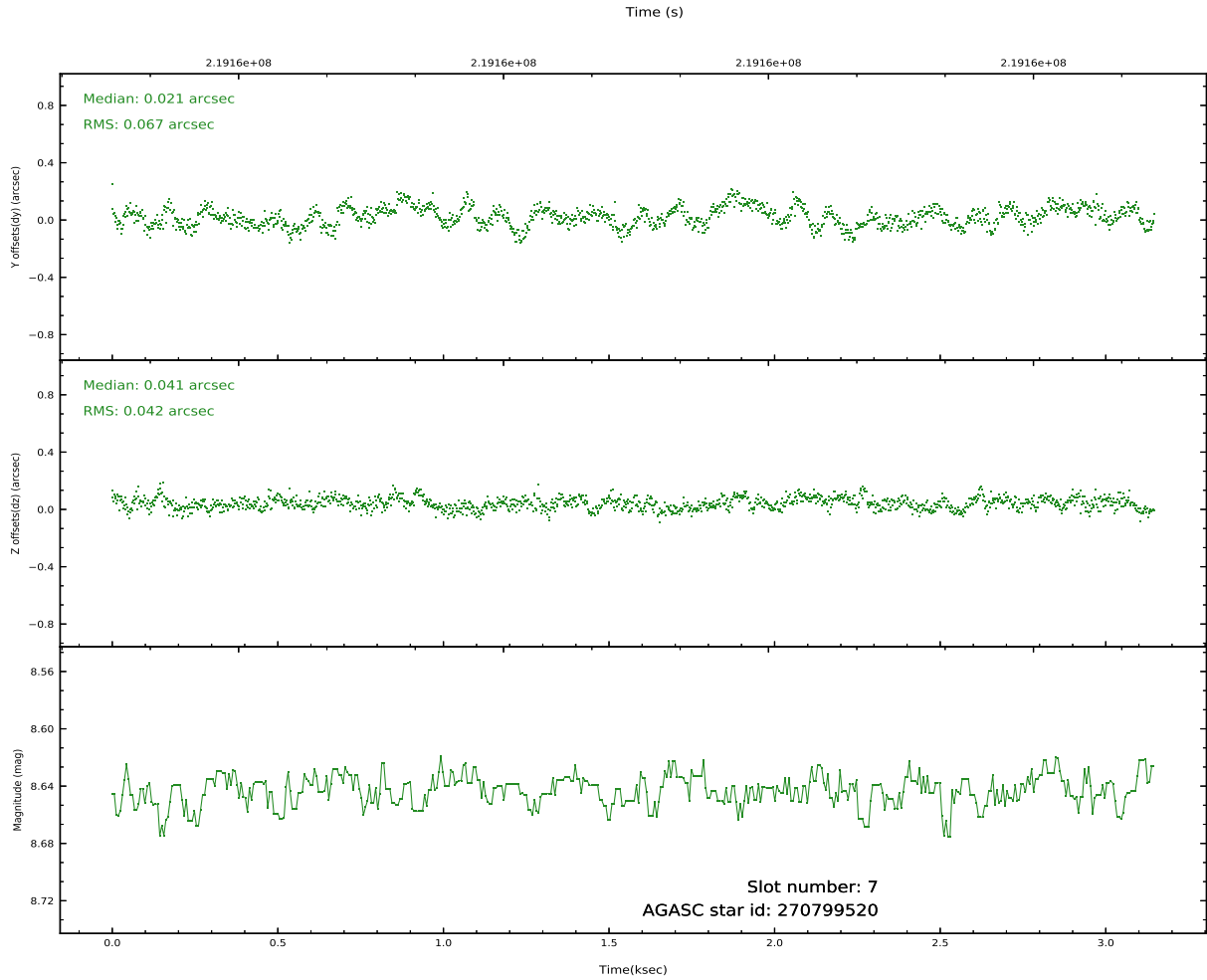
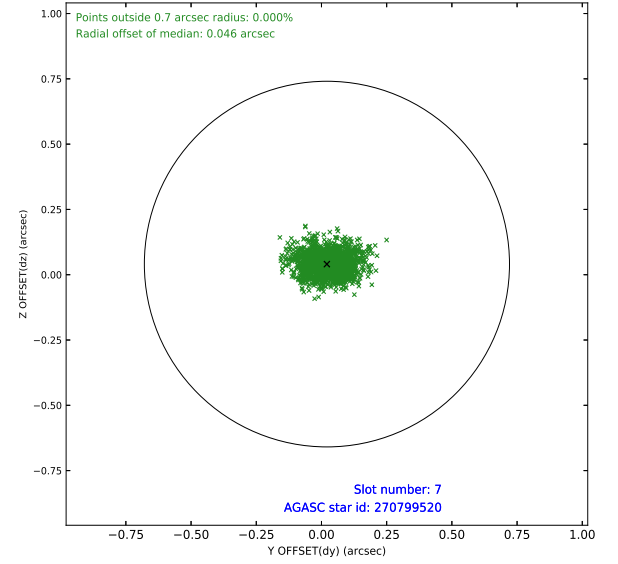
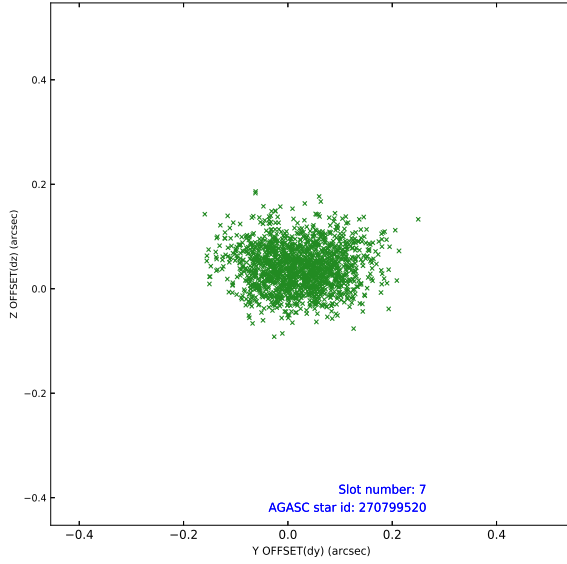
2.4.3 Slot 5



2.4.4 Slot 6

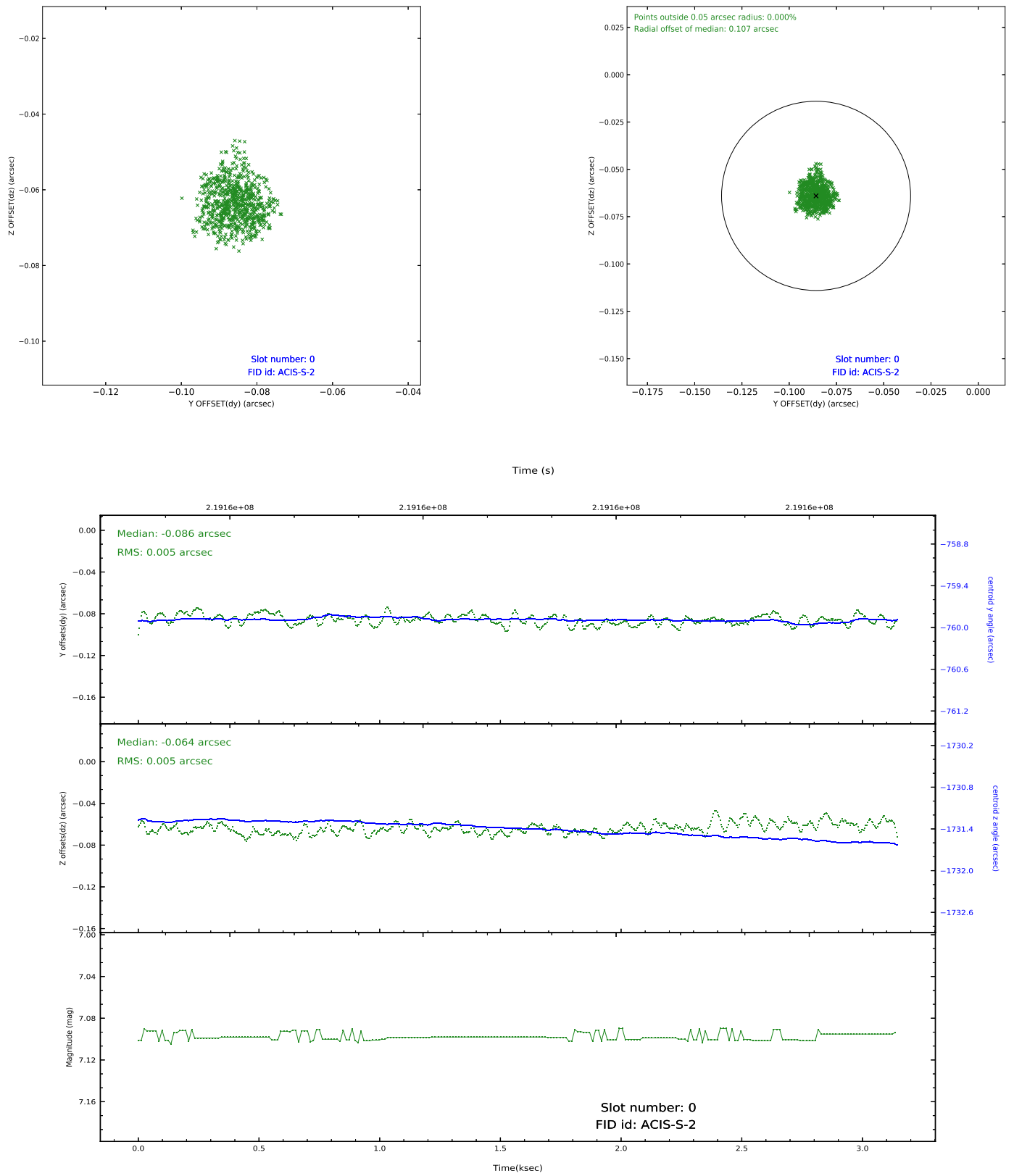


2.4.5 Slot 7

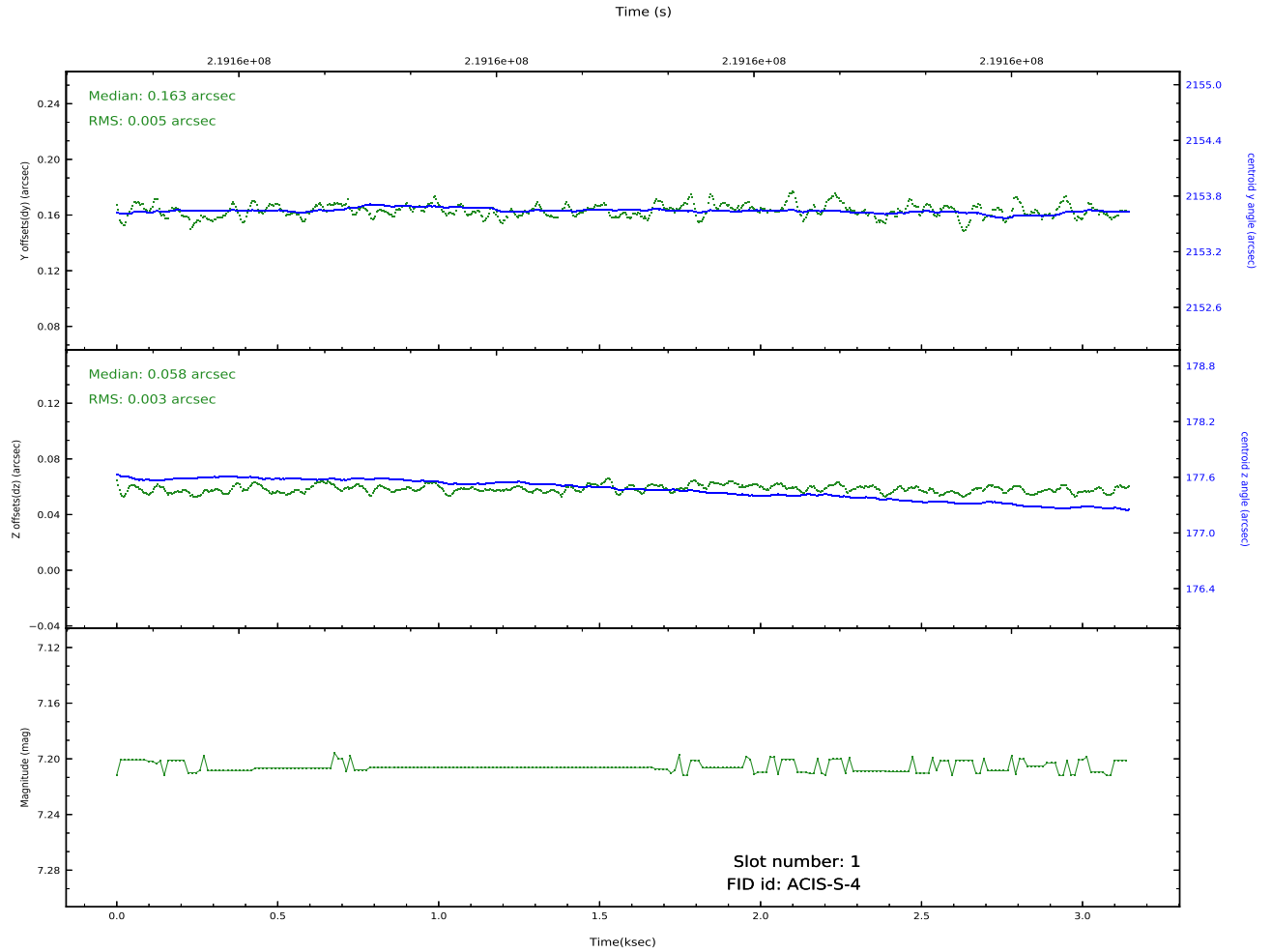
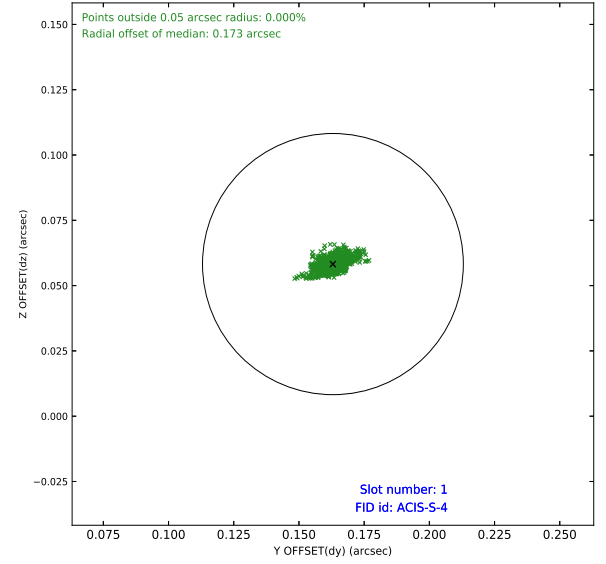
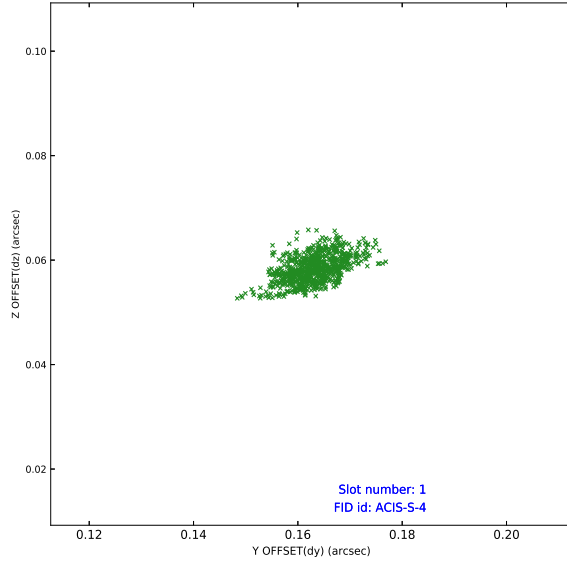


2.5 FID Slots

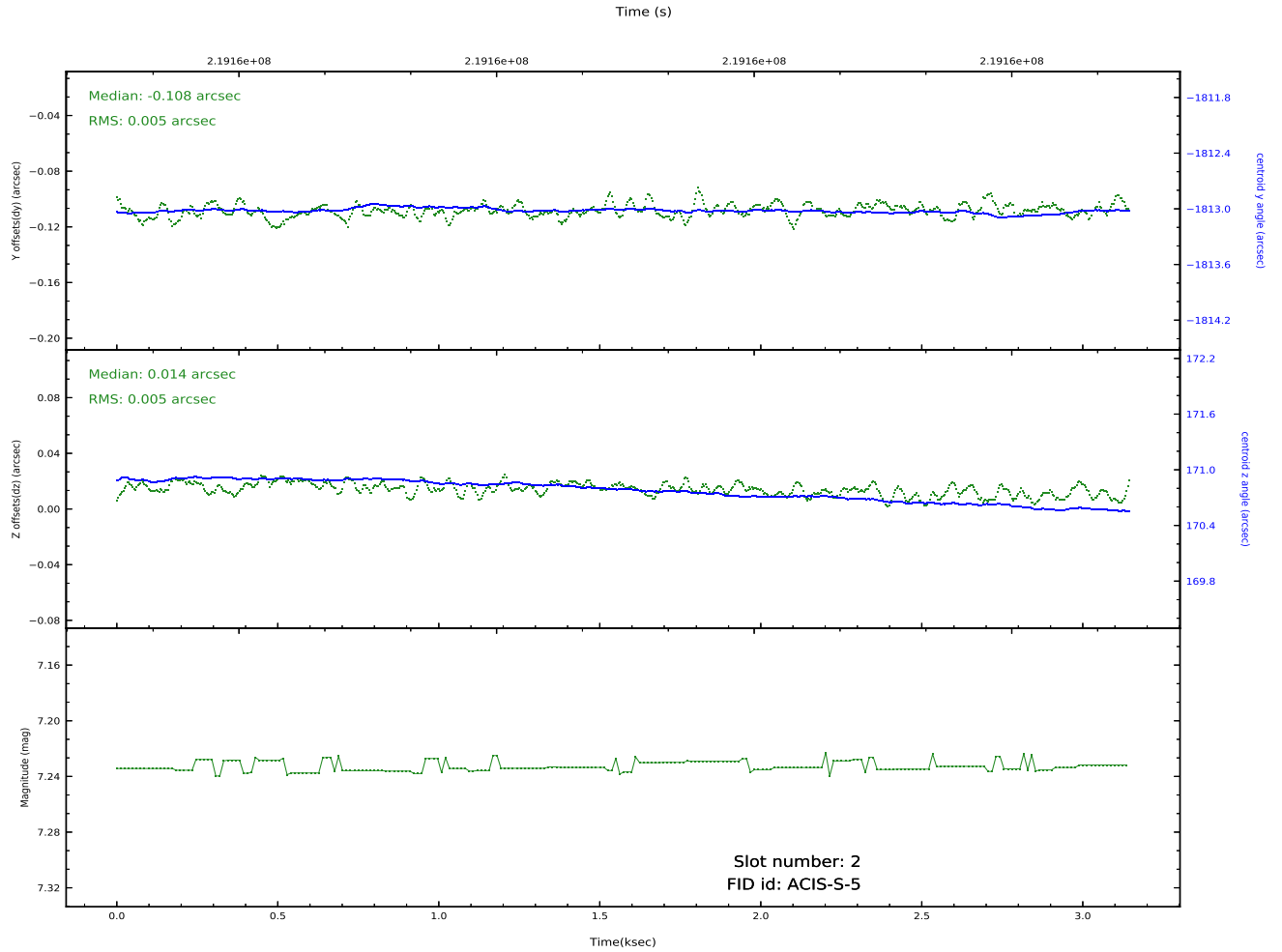
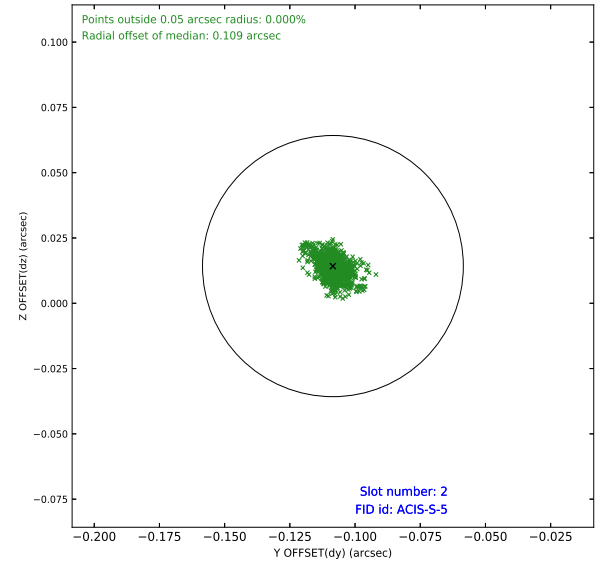
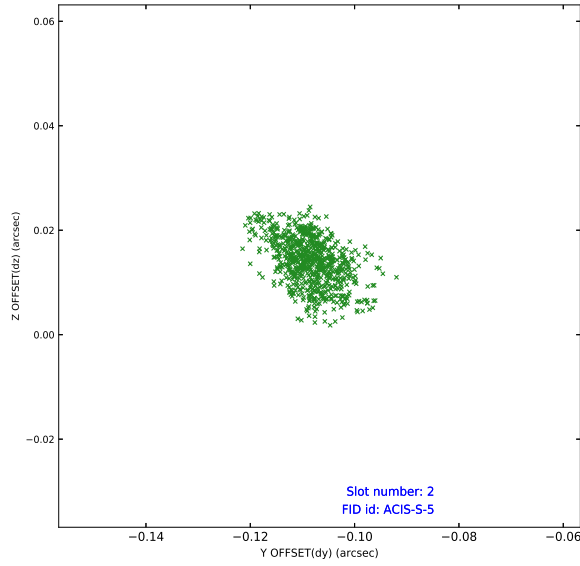
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.141

A.2 Comments

Joint Proposal: NRAO