

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5676 - L2 Version 4
Chandra X-Ray Center

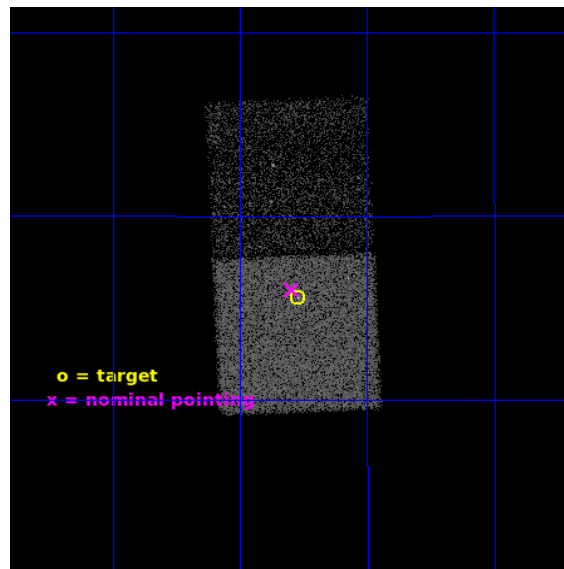
L2 Processing Date : Oct 5 2020

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1 Front

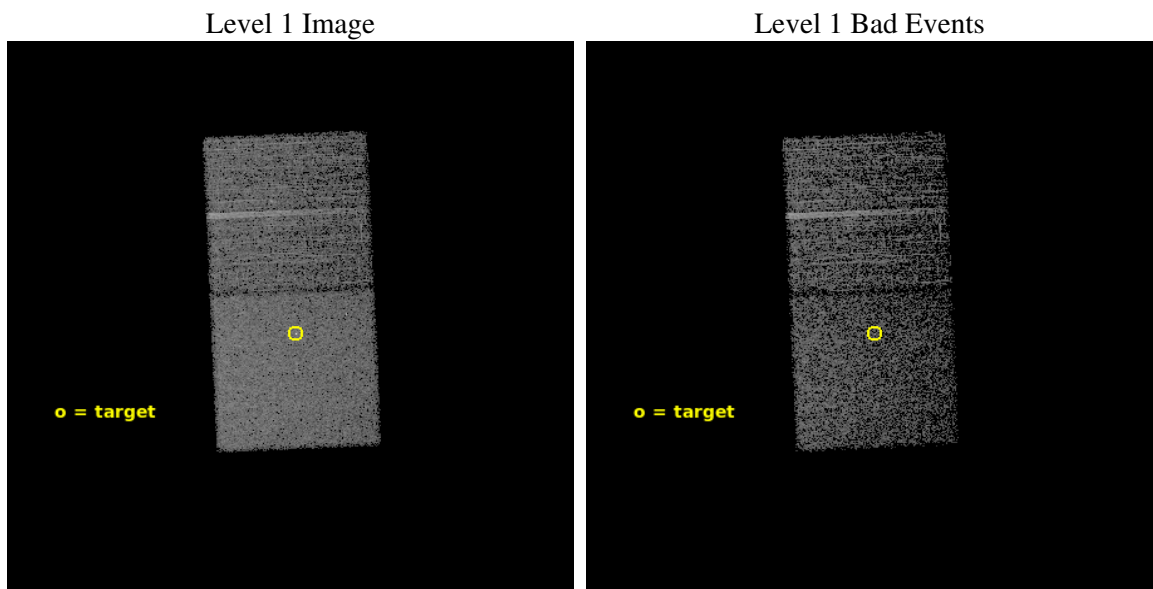
seq_num	701099	Sequence number
obs_id	5676	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RXJ0859.8+2745	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	134.943333	Observer's specified target RA [deg]
dec_targ	27.759667	Observer's specified target Dec [deg]
ra_nom	134.94899019902	Nominal RA [deg]
dec_nom	27.766690431486	Nominal Dec [deg]
roll_nom	87.49242825514	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7464.0	Sum of GTIs [s]
livetime	7363.2704601058	Livetime [s]
ontime6	7464.0	Sum of GTIs [s]
ontime7	7464.0	Sum of GTIs [s]
l2events	38146	Number of level 2 events



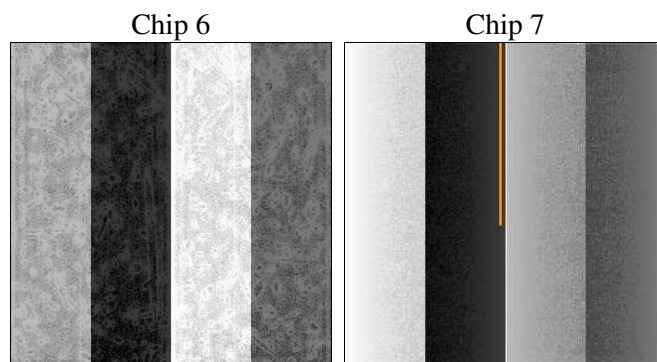
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7280.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	7464.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime6	7464.0	Sum of GTIs [s]
date	2020-10-05T18:48:02	Date and time of file creation	ontime7	7464.0	Sum of GTIs [s]
revision	4	Processing version of data	l1events	138433	Number of level 1 events

2.1.4 Events

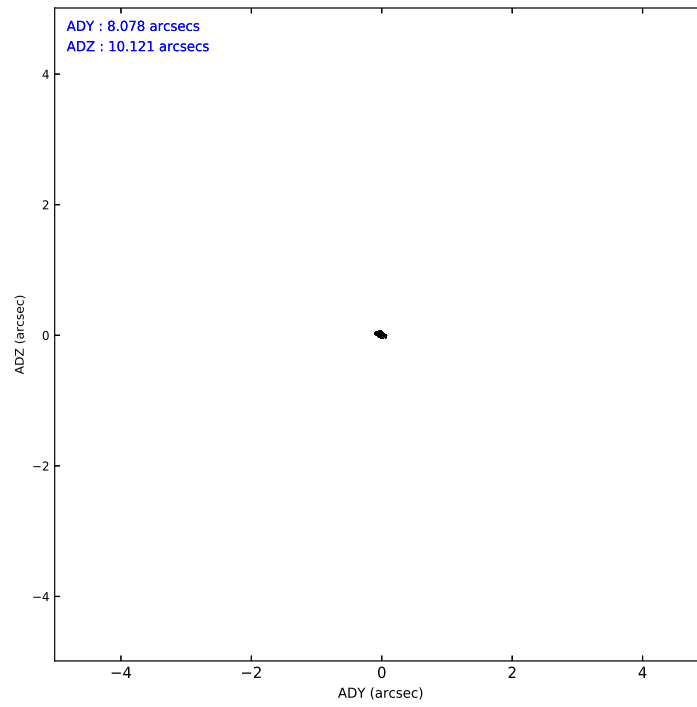
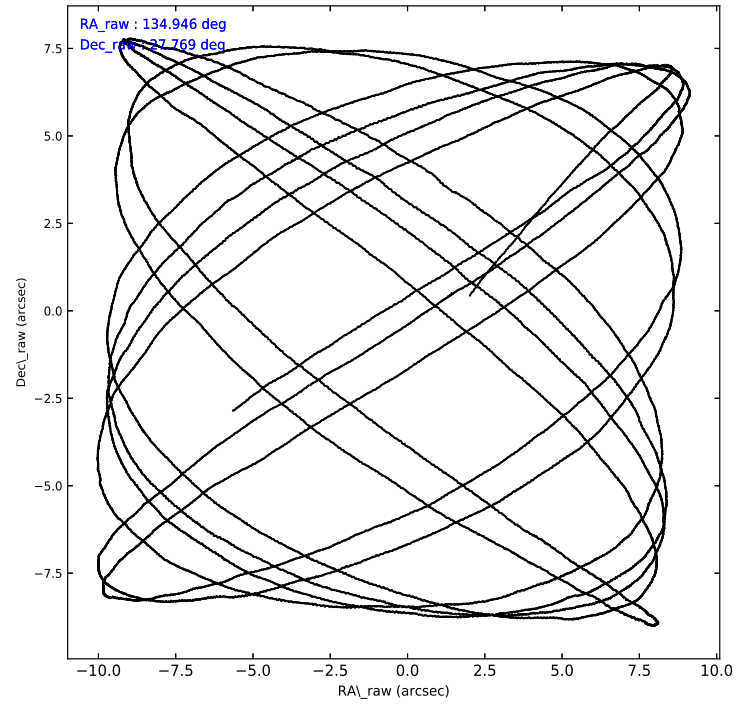
	ccd 6	ccd 7
level 1 events	59444	78989
rejected events	52446	46033
rejected %	88%	58%

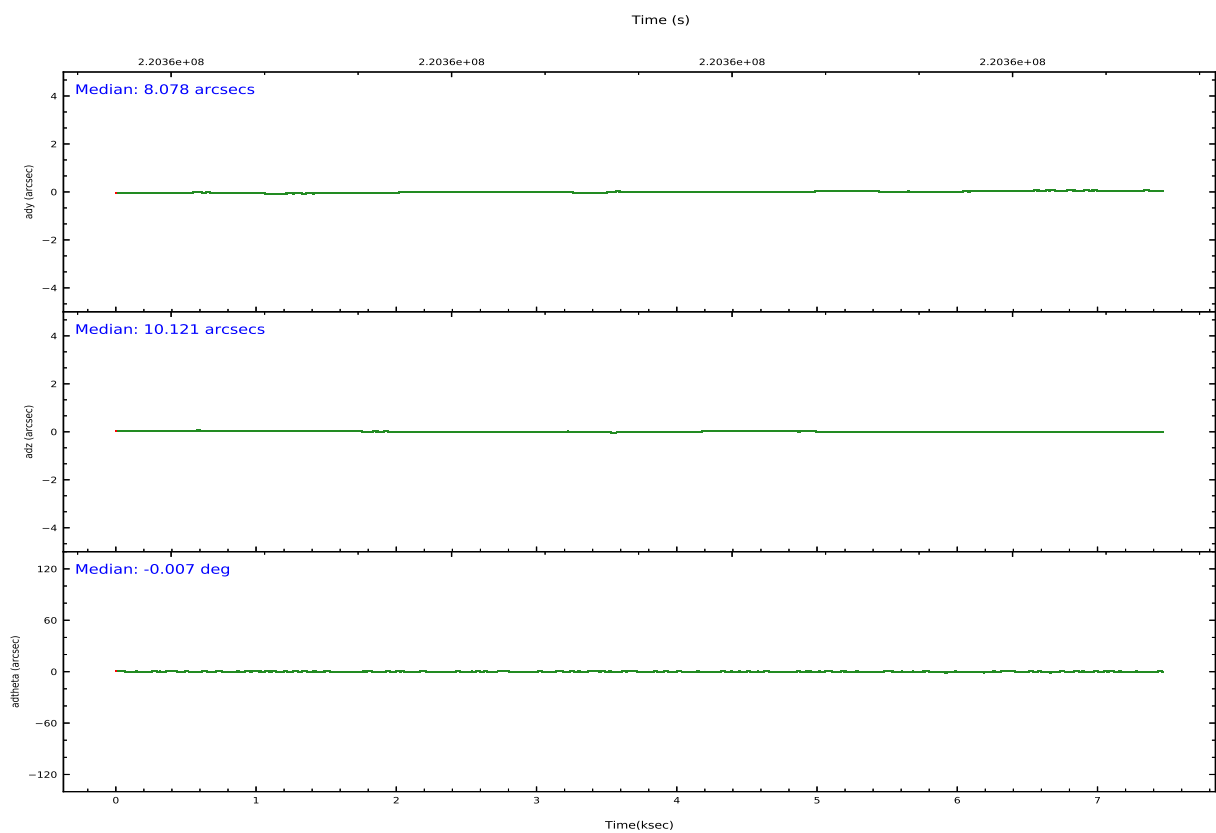
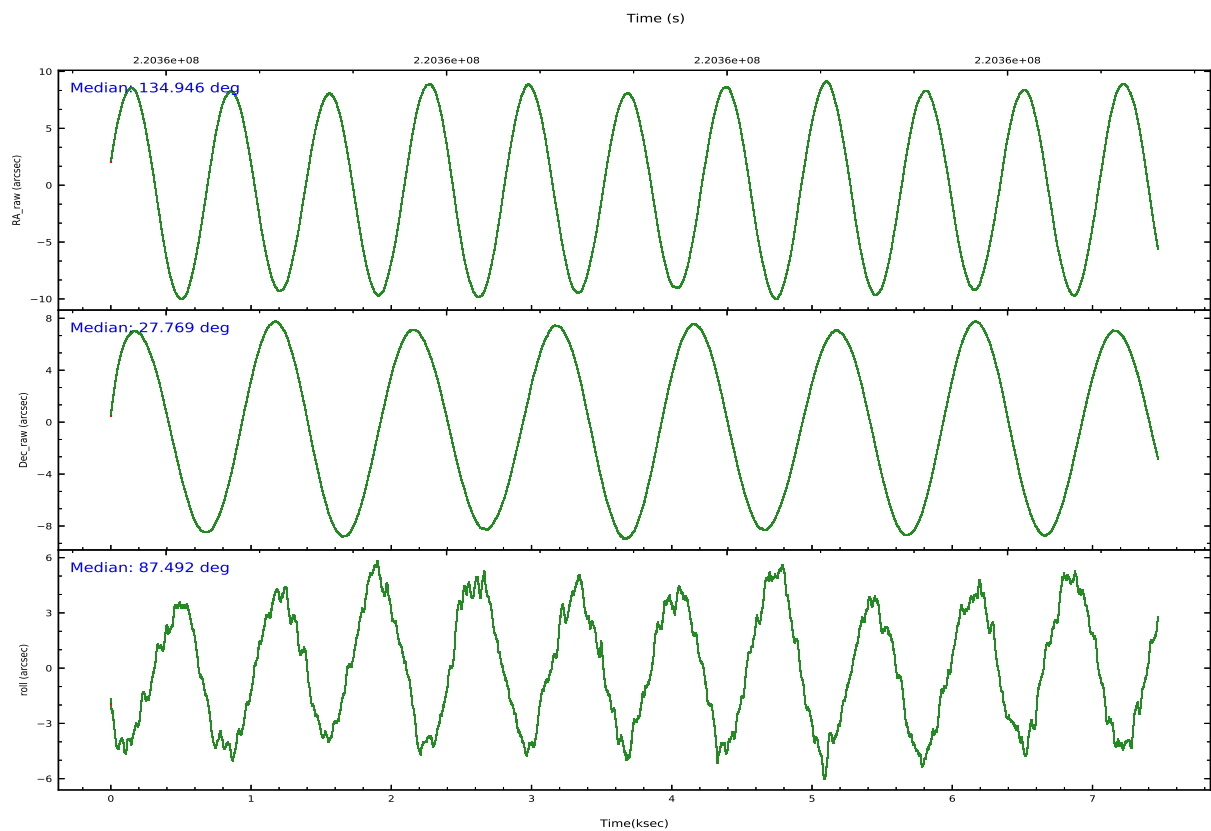
	ccd 6	ccd 7
grade 0 events	2795	3191
	4%	4%
grade 1 events	26	92
	0%	0%
grade 2 events	1438	6679
	2%	8%
grade 3 events	696	2989
	1%	3%
grade 4 events	684	2913
	1%	3%
grade 5 events	2625	7558
	4%	9%
grade 6 events	1451	17499
	2%	22%
grade 7 events	49729	38068
	83%	48%

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	134.960290	134.94899019902	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.745114	27.766690431486	Alternating exposures requested	N	N
[deg] Pointing Roll	87.328971	87.49242825514	[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)	220357795.184000	220356962.88642			
Observation start date	2004-12-25T10:28:51	2004-12-25T10:16:02			
[s] Observation end time (MET)	220365075.184000	220365209.01179			
Observation end date	2004-12-25T12:30:11	2004-12-25T12:33:29			
Read mode	TIMED	TIMED			

2.3 Aspect



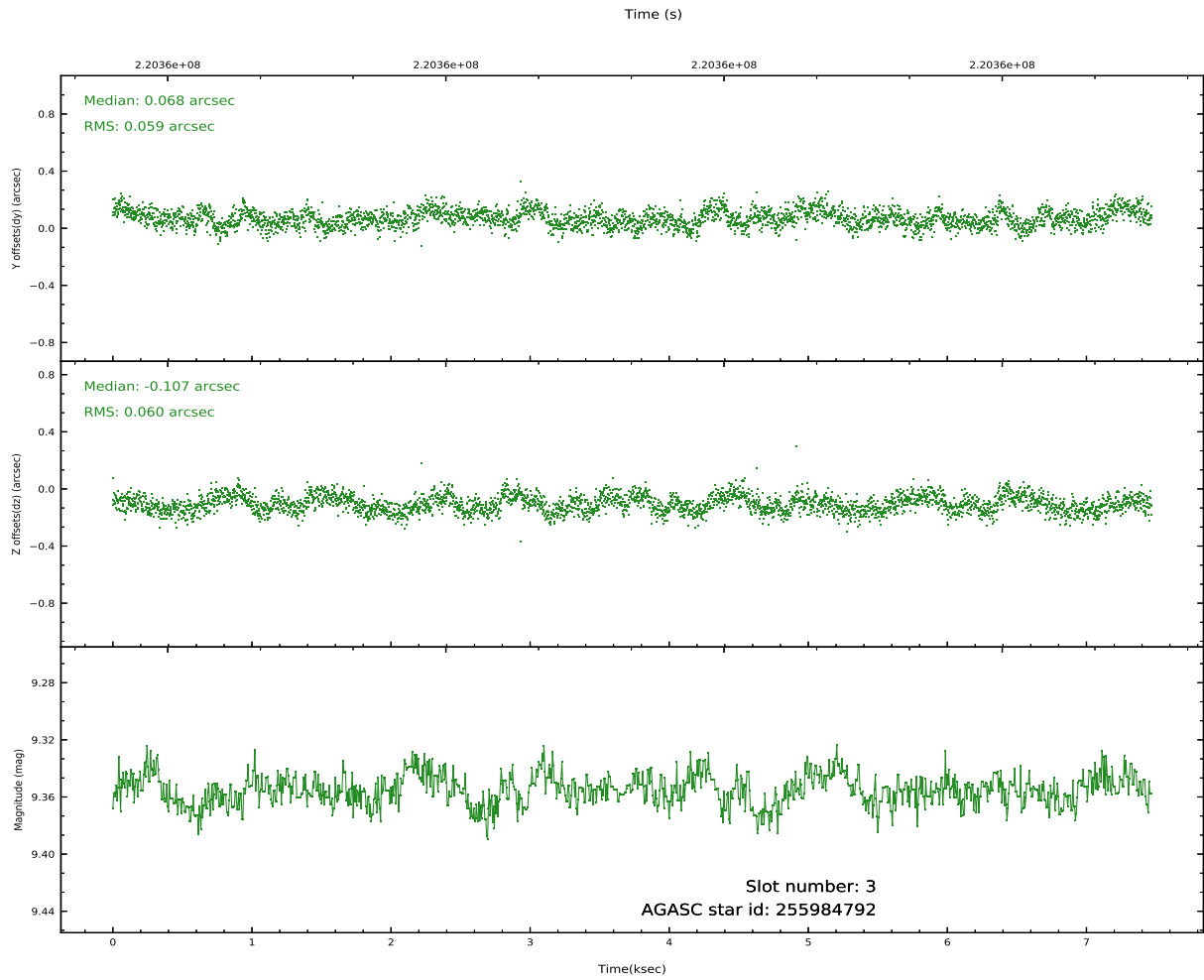
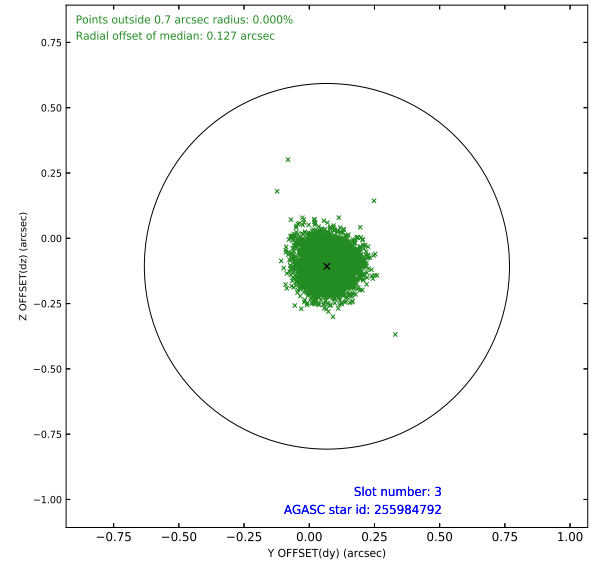
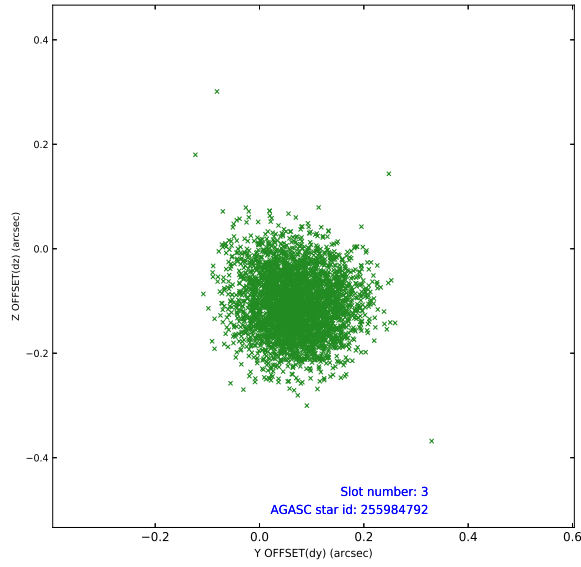


Slot Statistics

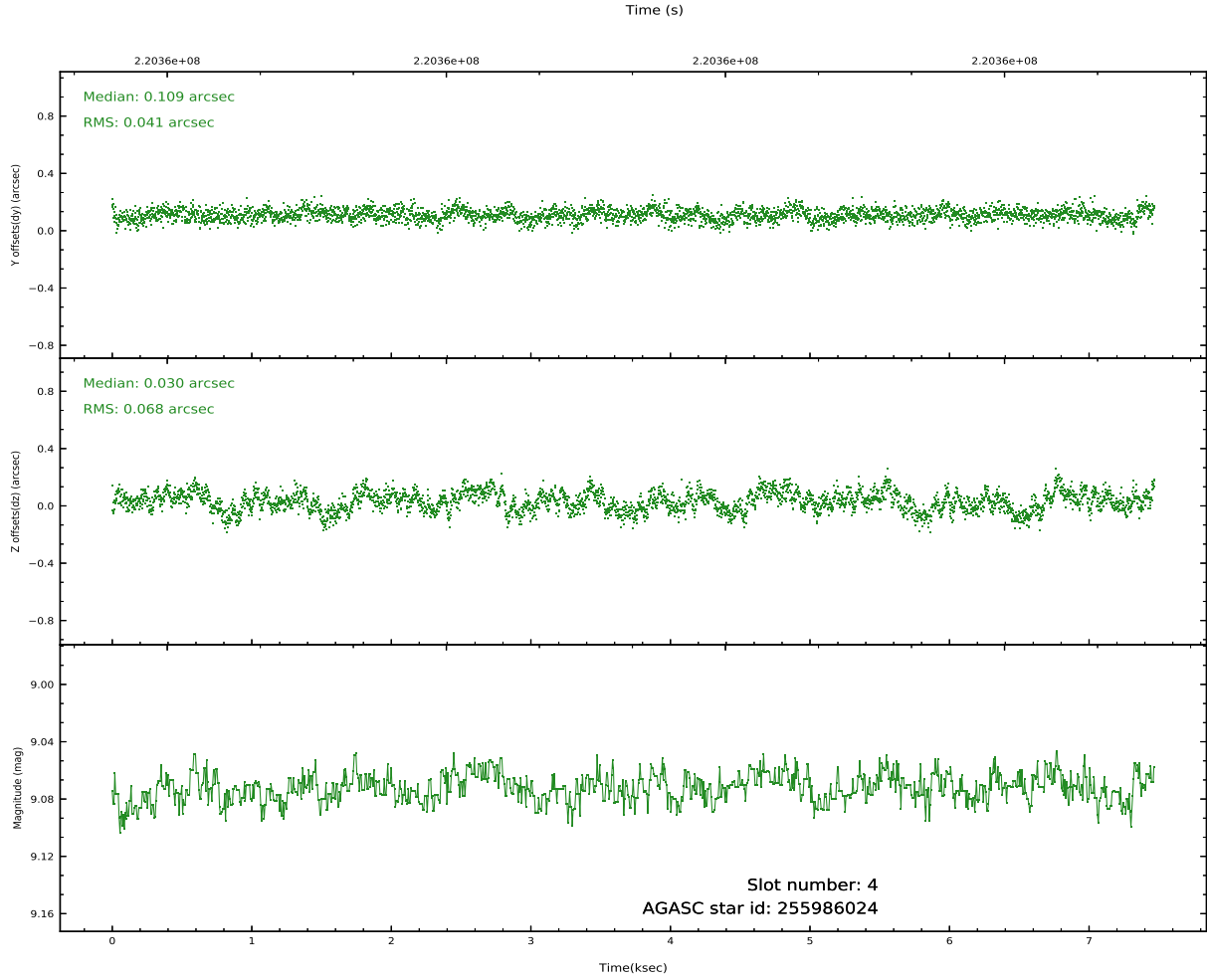
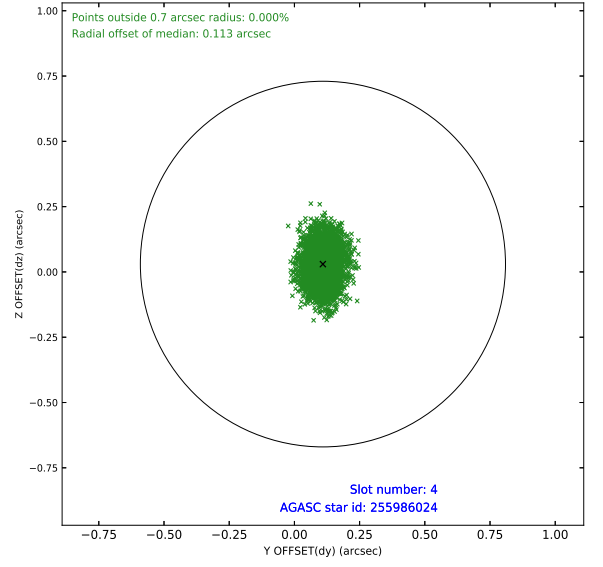
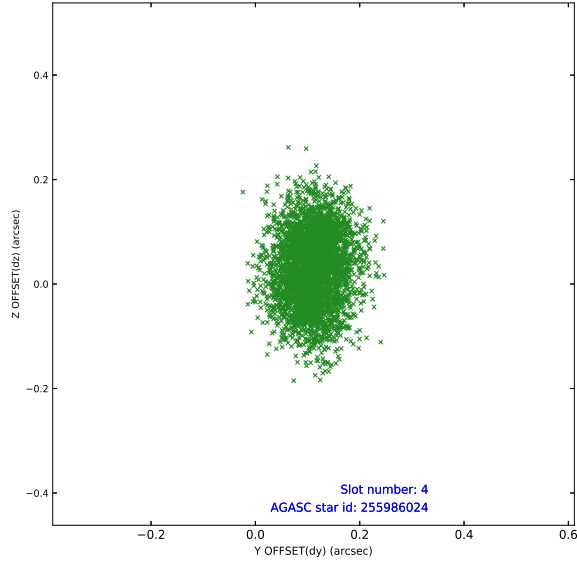
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1822	1.000	0.012	-0.068	0.007	0.011	0.000000	0.000000	935.23	-1727
1	FID		ACIS-S-4	7.21	1822	1.000	0.135	0.046	0.007	0.011	0.000000	0.000000	2153.13	176
2	FID		ACIS-S-5	7.23	1822	1.000	-0.174	0.035	0.006	0.011	0.000000	0.000000	-1812.90	170
3	GUIDE	used	255984792	9.36	3643	1.000	0.068	-0.107	0.089	0.142	134.698273	27.233445	-1878.32	752
4	GUIDE	used	255986024	9.07	3644	1.000	0.109	0.030	0.085	0.140	135.247679	27.336469	-1425.99	-986
5	GUIDE	used	256376904	8.93	3639	1.000	-0.127	0.100	0.070	0.116	135.436580	27.927189	727.78	-1482
6	GUIDE	used	256381208	9.29	3643	1.000	0.017	-0.031	0.081	0.134	134.758821	27.635369	-424.15	623
7	GUIDE	used	256389120	6.41	3642	1.000	-0.066	0.001	0.076	0.114	135.453491	27.902591	642.14	-1539

2.4 Star Slots

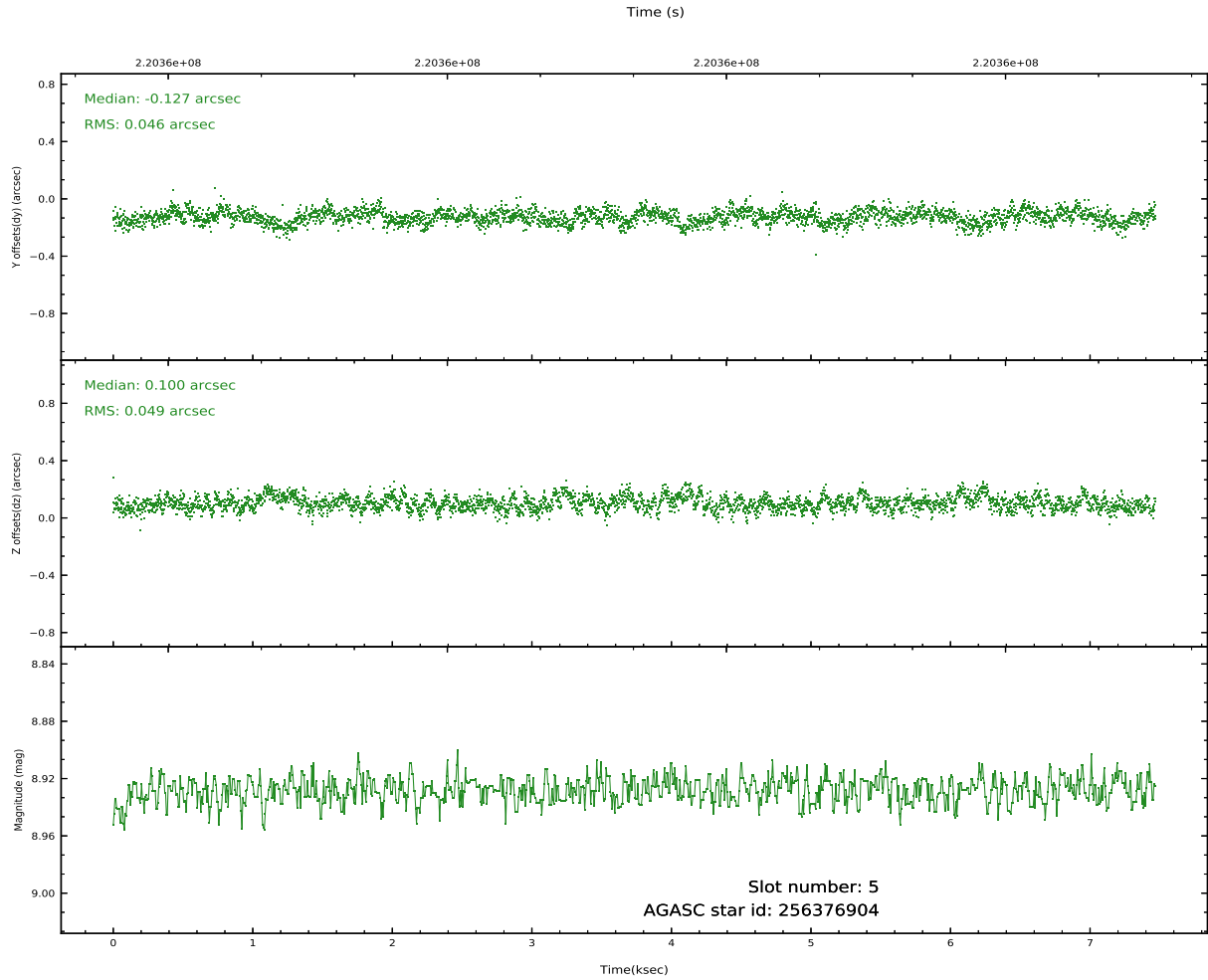
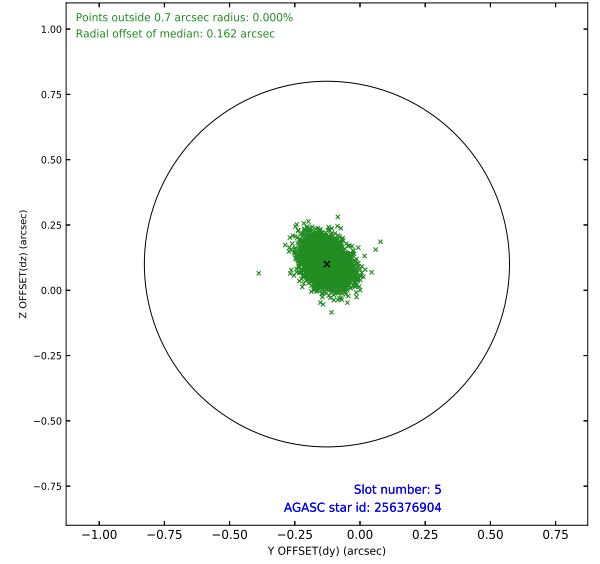
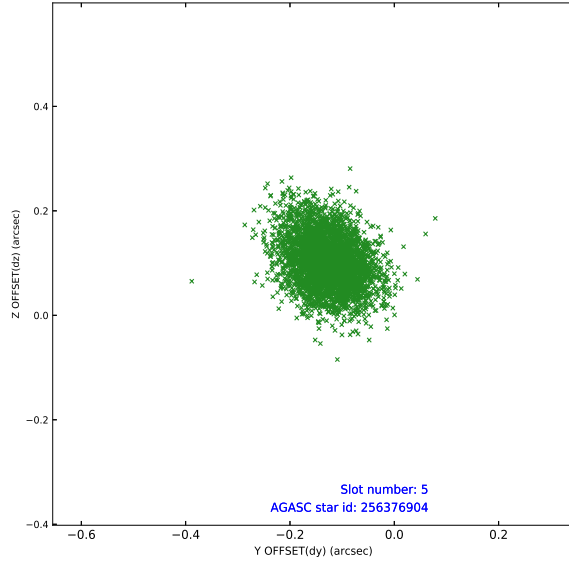
2.4.1 Slot 3



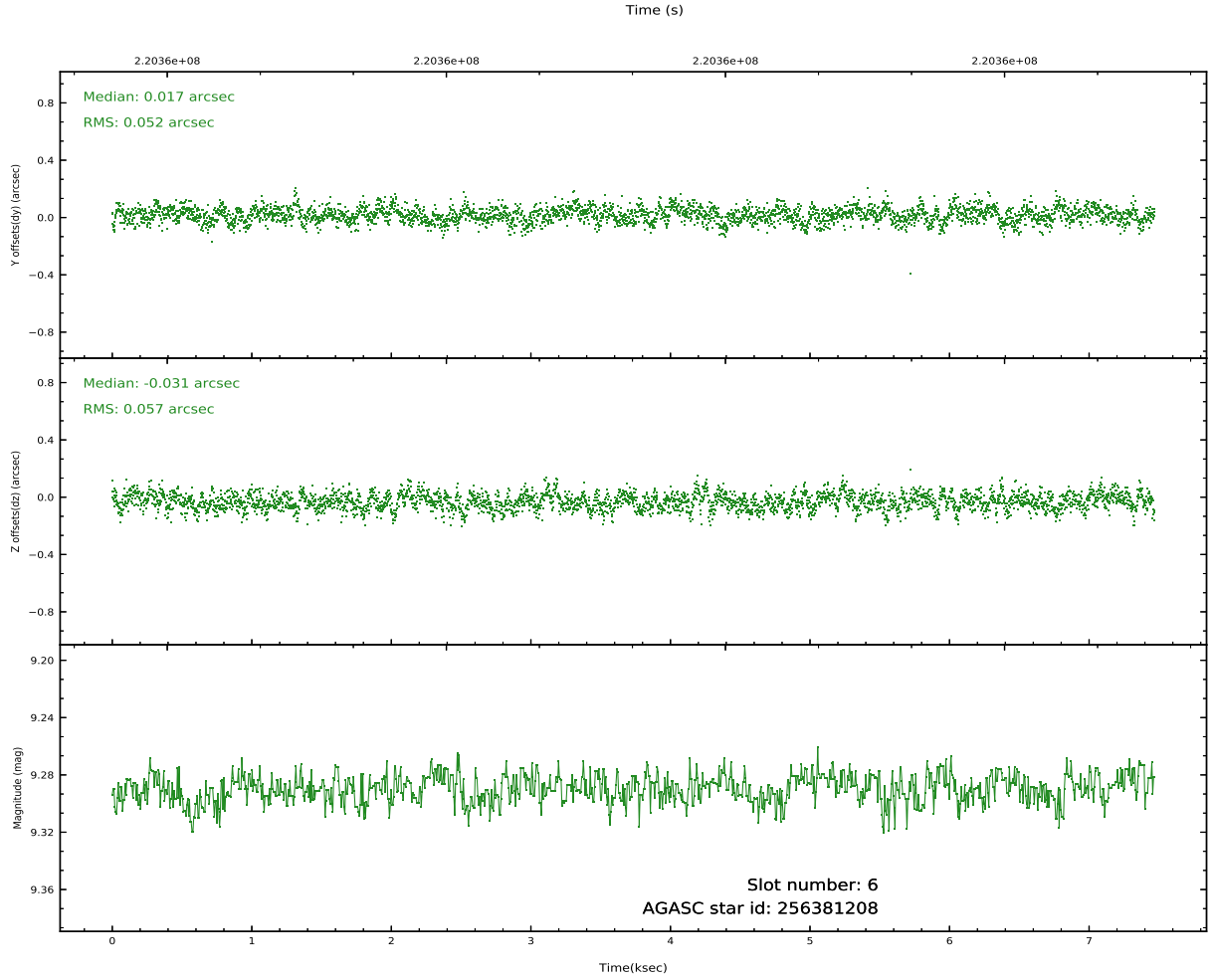
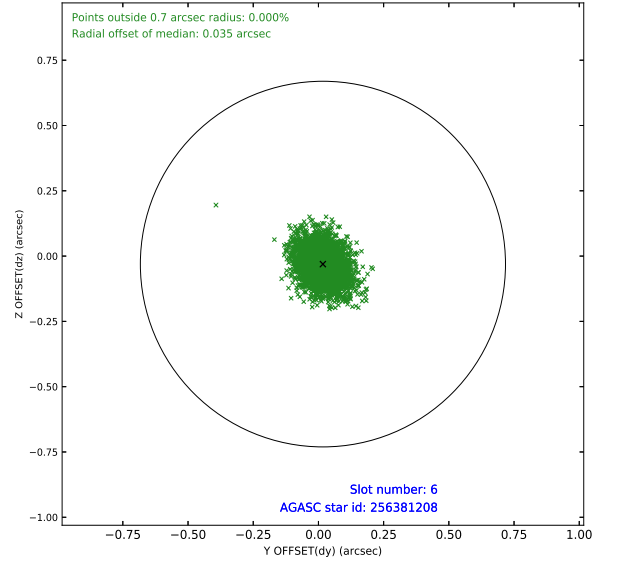
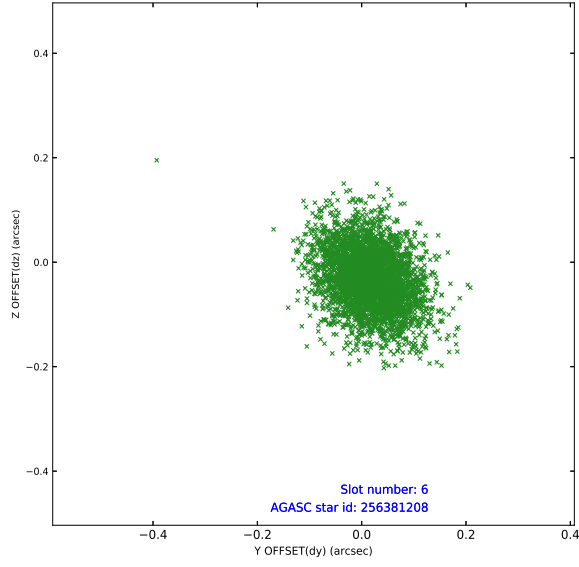
2.4.2 Slot 4



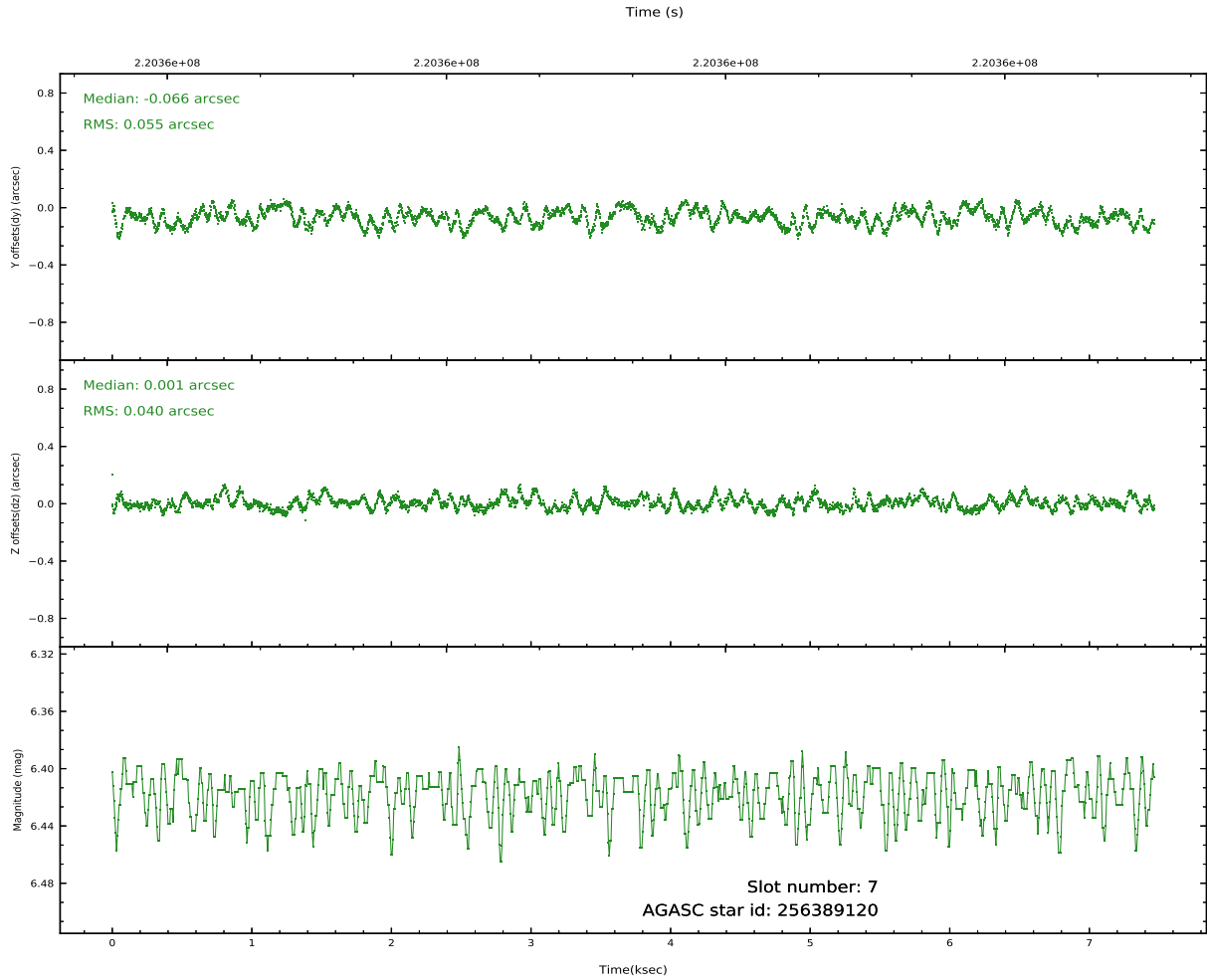
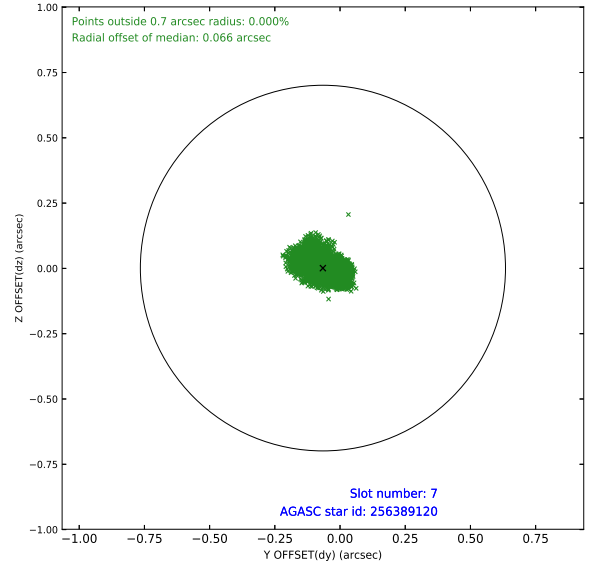
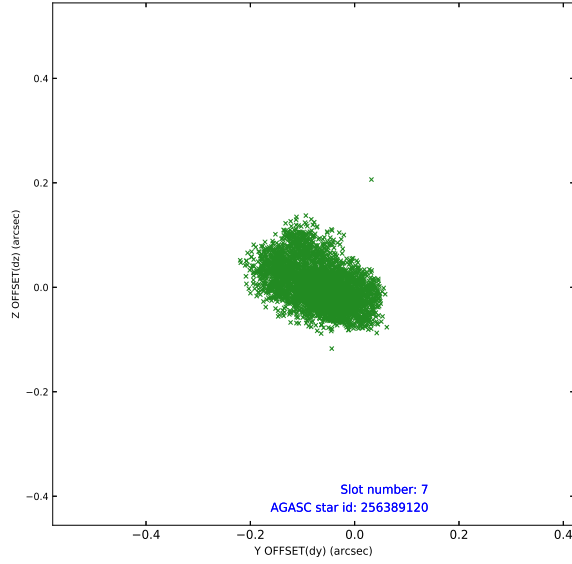
2.4.3 Slot 5



2.4.4 Slot 6

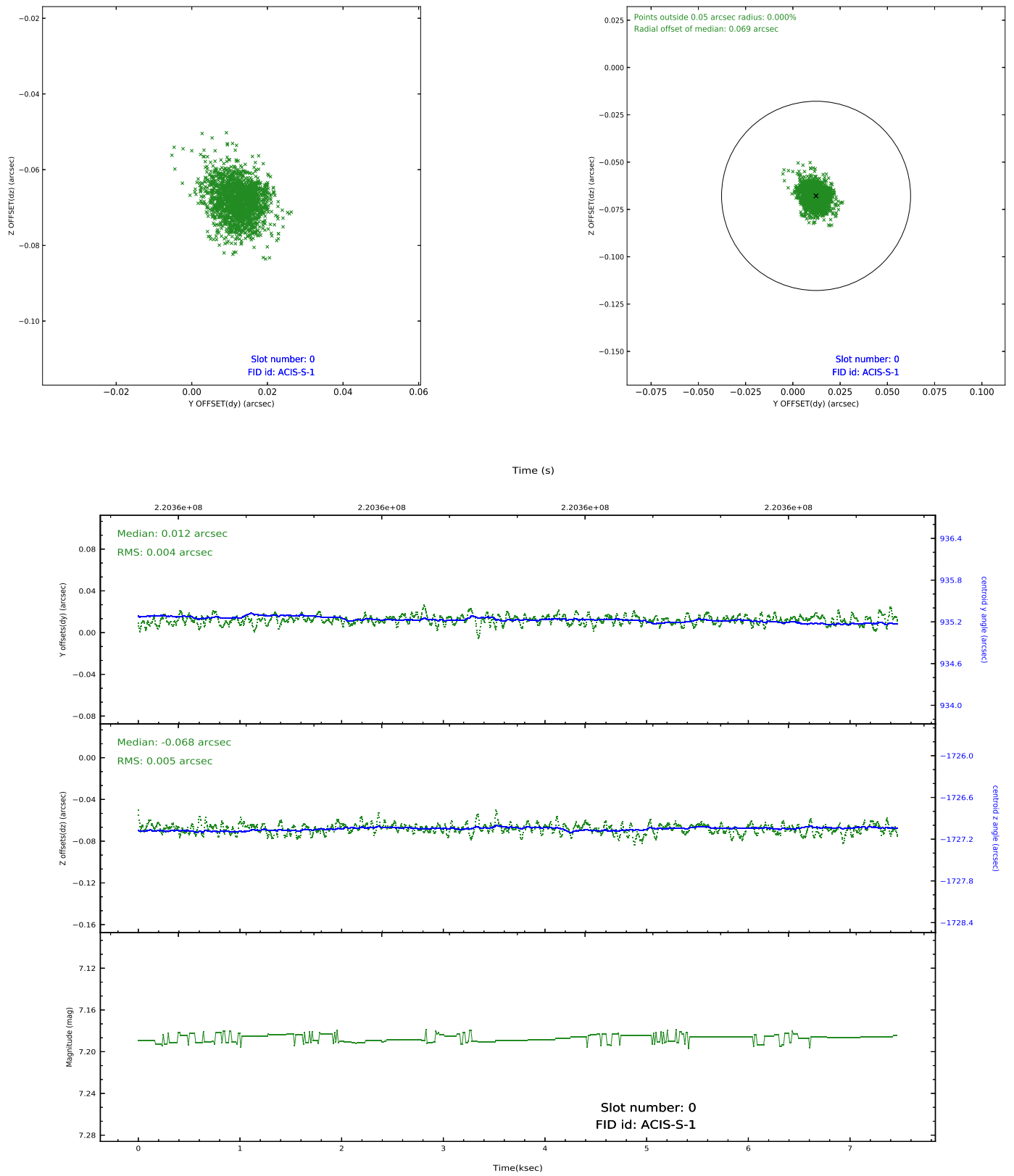


2.4.5 Slot 7

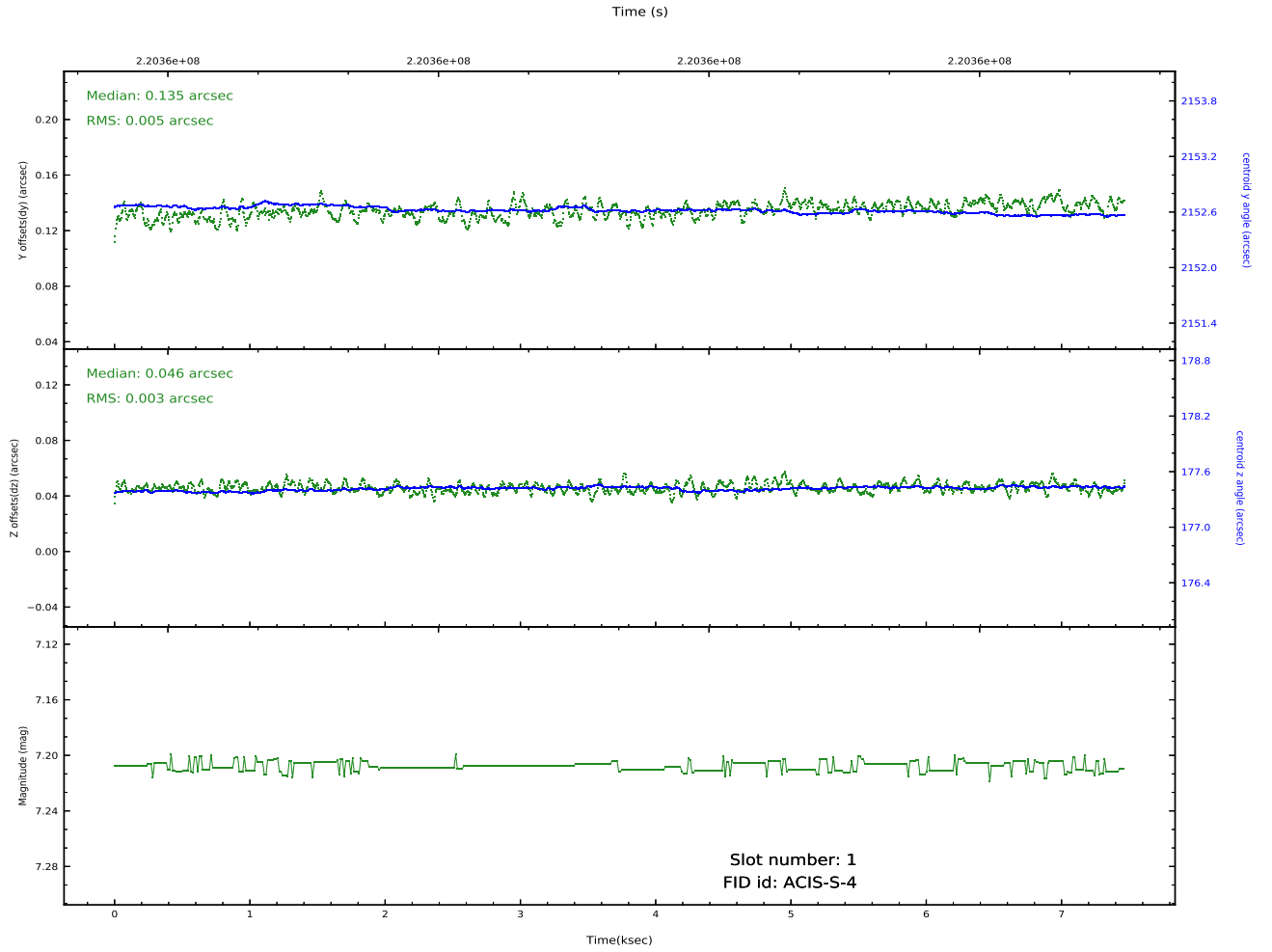
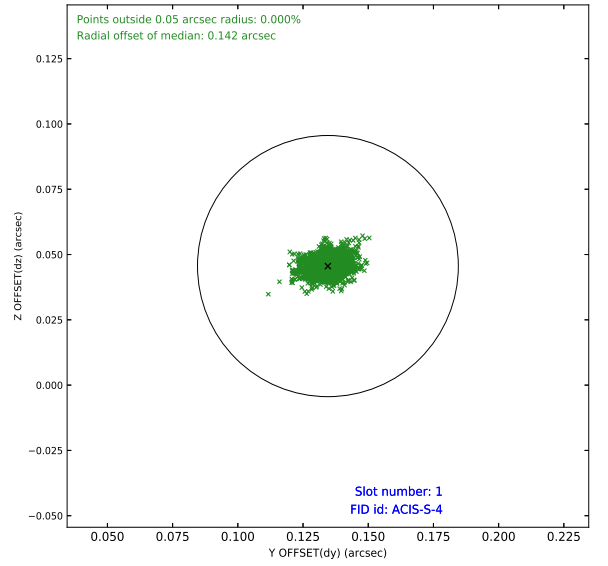
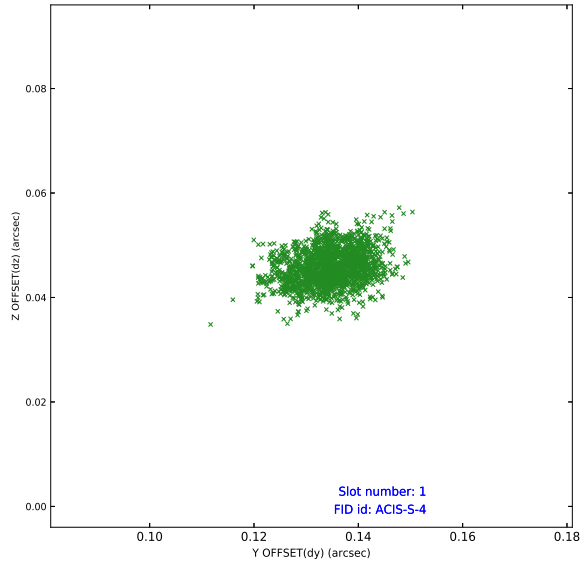


2.5 FID Slots

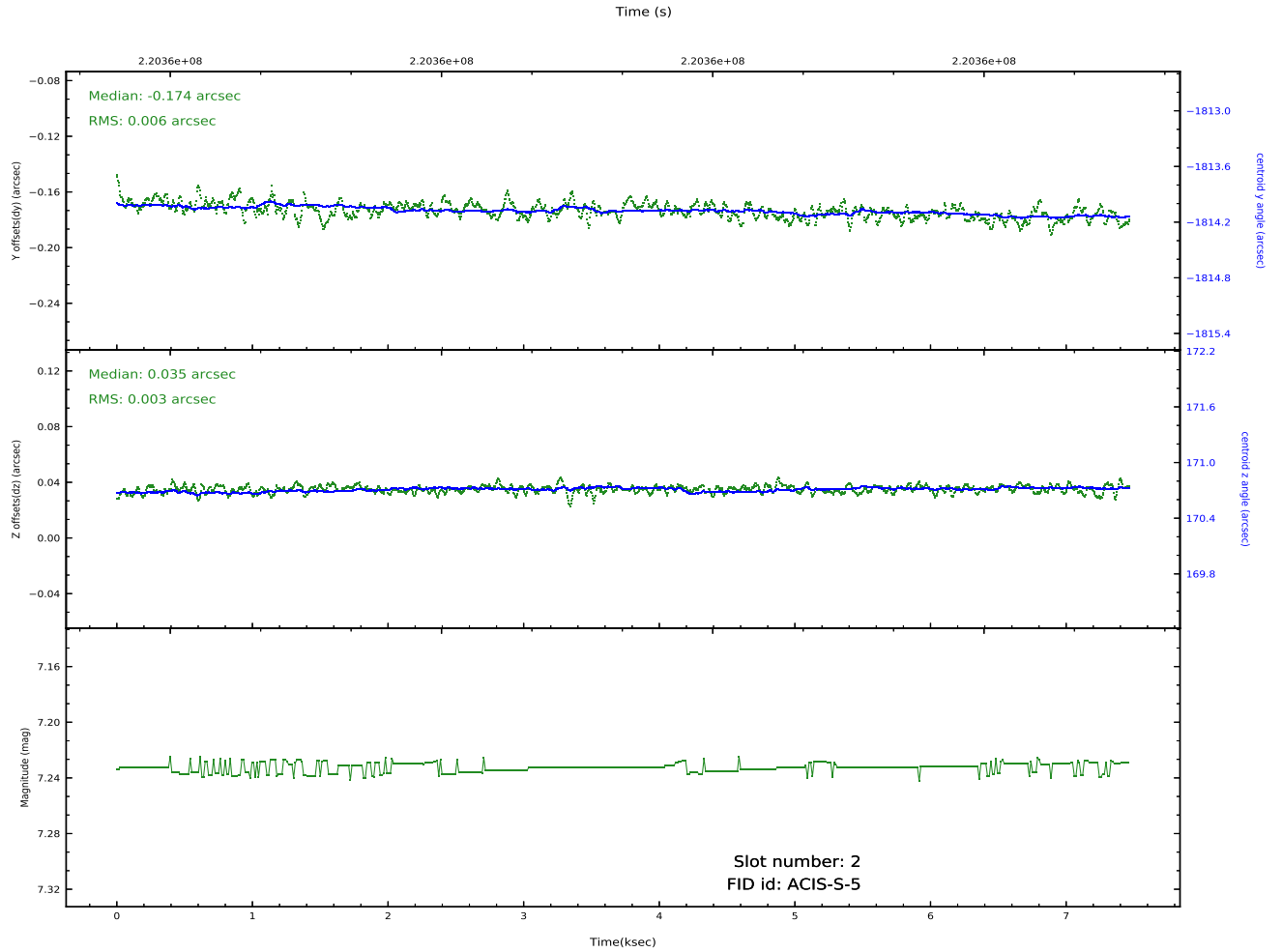
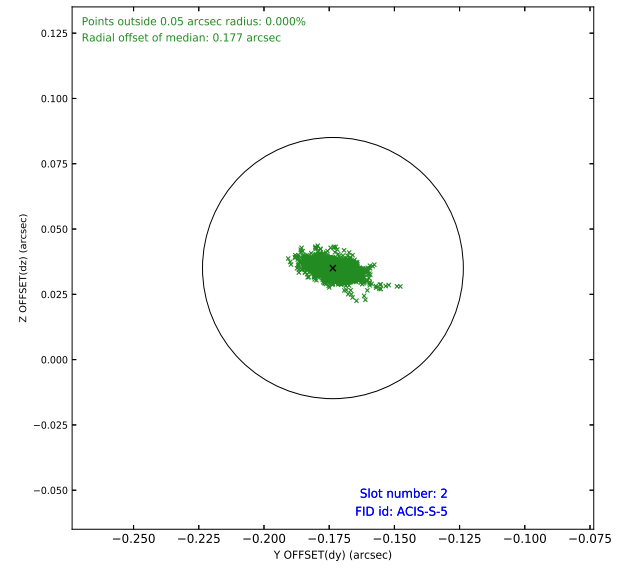
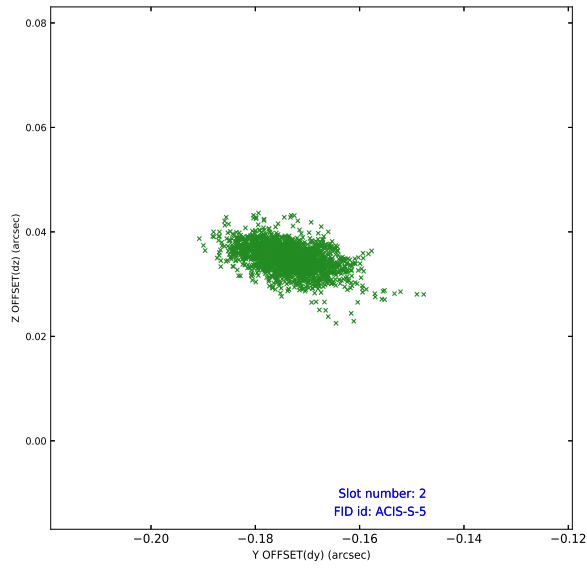
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.464

A.2 Comments

Joint proposal with NRAO.