

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6565 - L2 Version 3
Chandra X-Ray Center

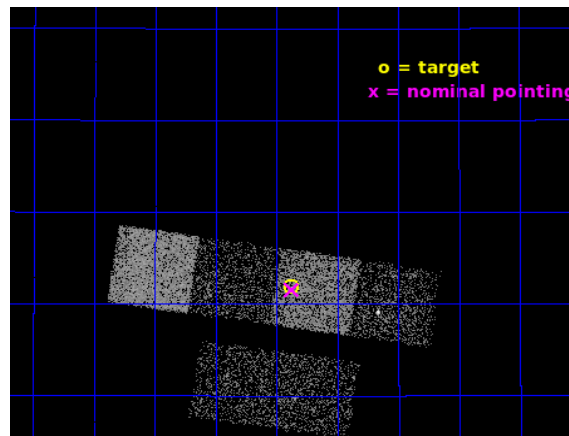
L2 Processing Date : Oct 11 2020

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1 Front

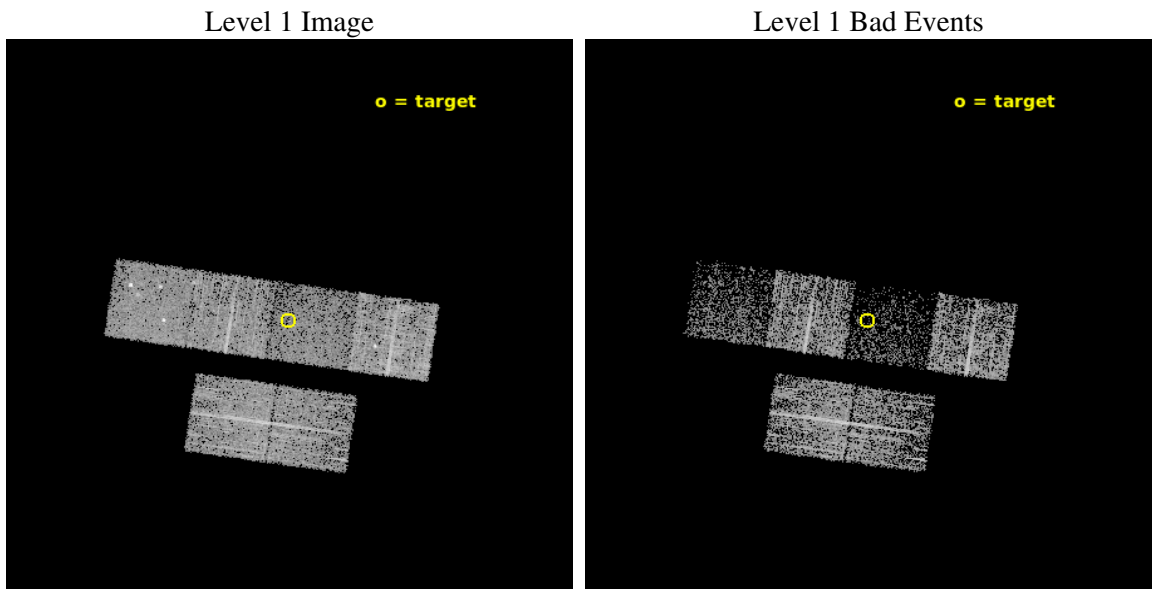
seq_num	300169	Sequence number
obs_id	6565	Observation id
title	X-ray Measures of the Three Newest Double-Degenerate AM CVn's	Pro
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J155252.48+320150.9	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	238.219167	Observer's specified target RA [deg]
dec_targ	32.030806	Observer's specified target Dec [deg]
ra_nom	238.21869860014	Nominal RA [deg]
dec_nom	32.025894160413	Nominal Dec [deg]
roll_nom	8.3788042894228	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3161.5999882221	Sum of GTIs [s]
livetime	3121.5659054843	Livetime [s]
ontime2	3161.5999882221	Sum of GTIs [s]
ontime3	3161.5999882221	Sum of GTIs [s]
ontime5	3161.5999882221	Sum of GTIs [s]
ontime6	3161.5999882221	Sum of GTIs [s]
ontime7	3161.5999882221	Sum of GTIs [s]
ontime8	3161.5999882221	Sum of GTIs [s]
l2events	19578	Number of level 2 events



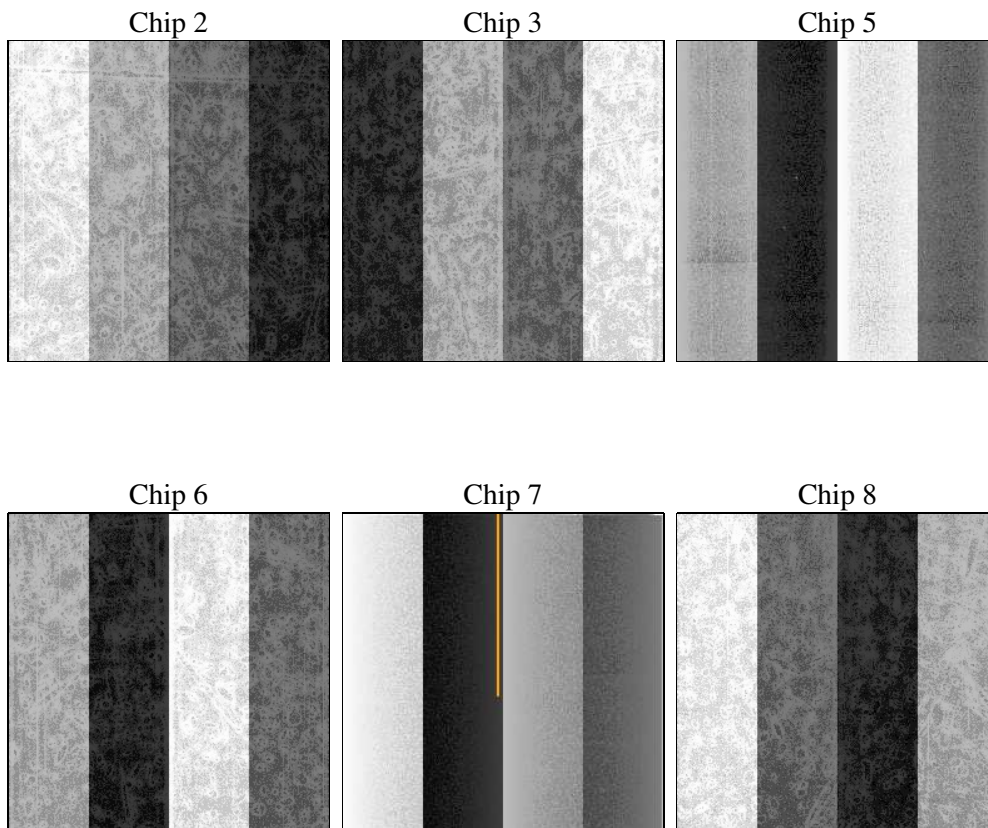
2 OBI

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	3161.5999882221	Sum of GTIs [s]
caldbver	4.9.2	 	ontime2	3161.5999882221	Sum of GTIs [s]
date	2020-10-11T17:40:29	Date and time of file creation	ontime3	3161.5999882221	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3161.5999882221	Sum of GTIs [s]
			ontime6	3161.5999882221	Sum of GTIs [s]
			ontime7	3161.5999882221	Sum of GTIs [s]
			ontime8	3161.5999882221	Sum of GTIs [s]
			l1events	106237	Number of level 1 events

2.1.4 Events

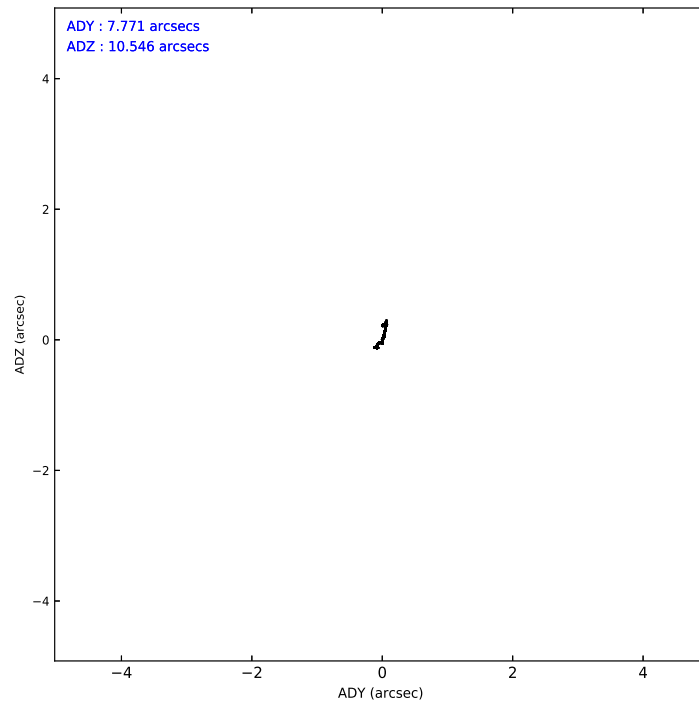
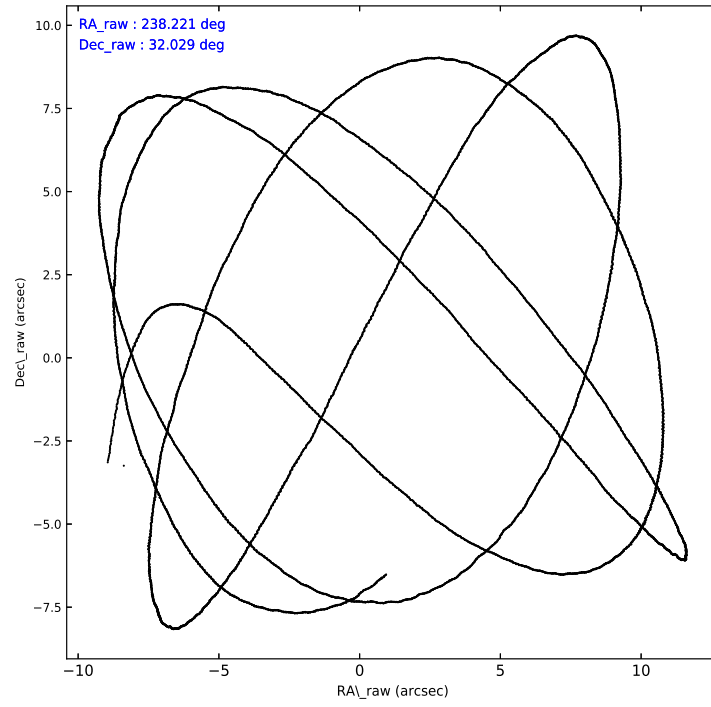
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20802	16713	17122	18156	10404	23040
rejected events	19213	15248	6620	16496	4630	17201
rejected %	92%	91%	38%	90%	44%	74%

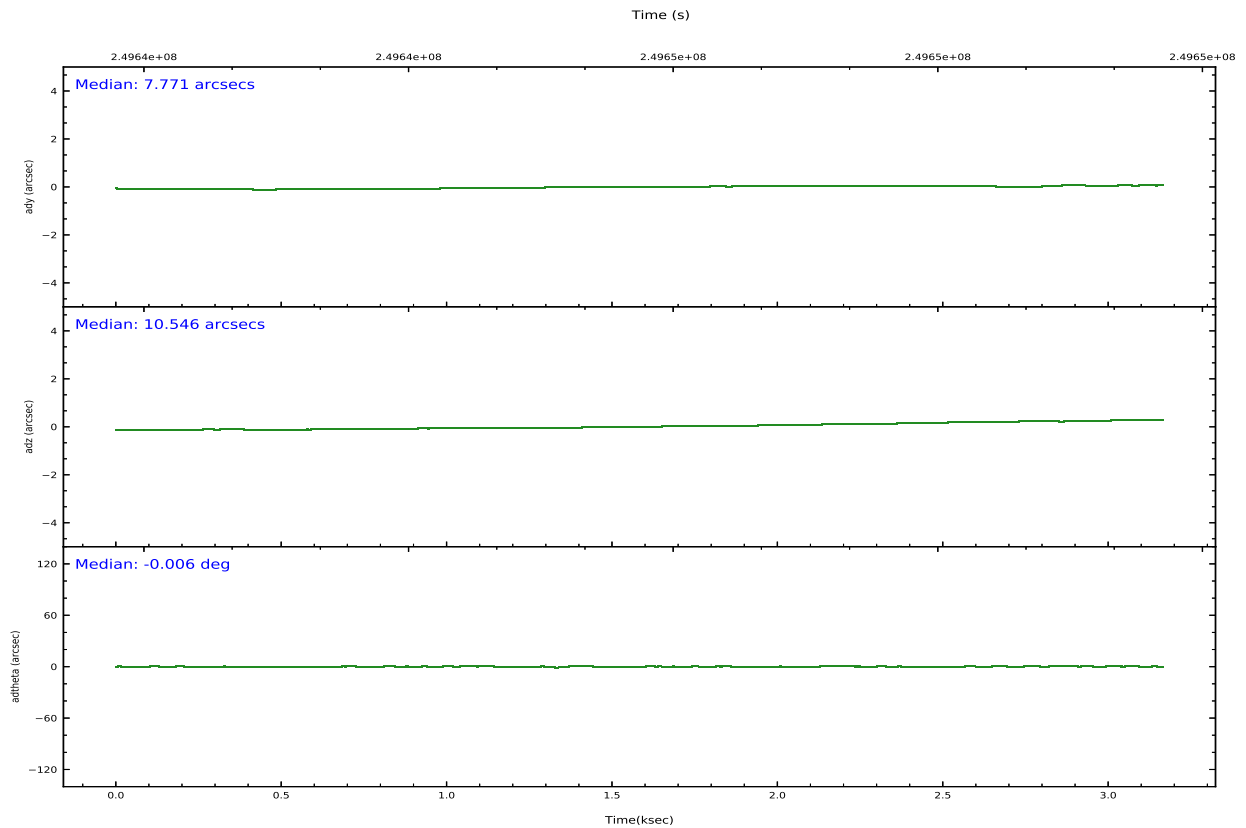
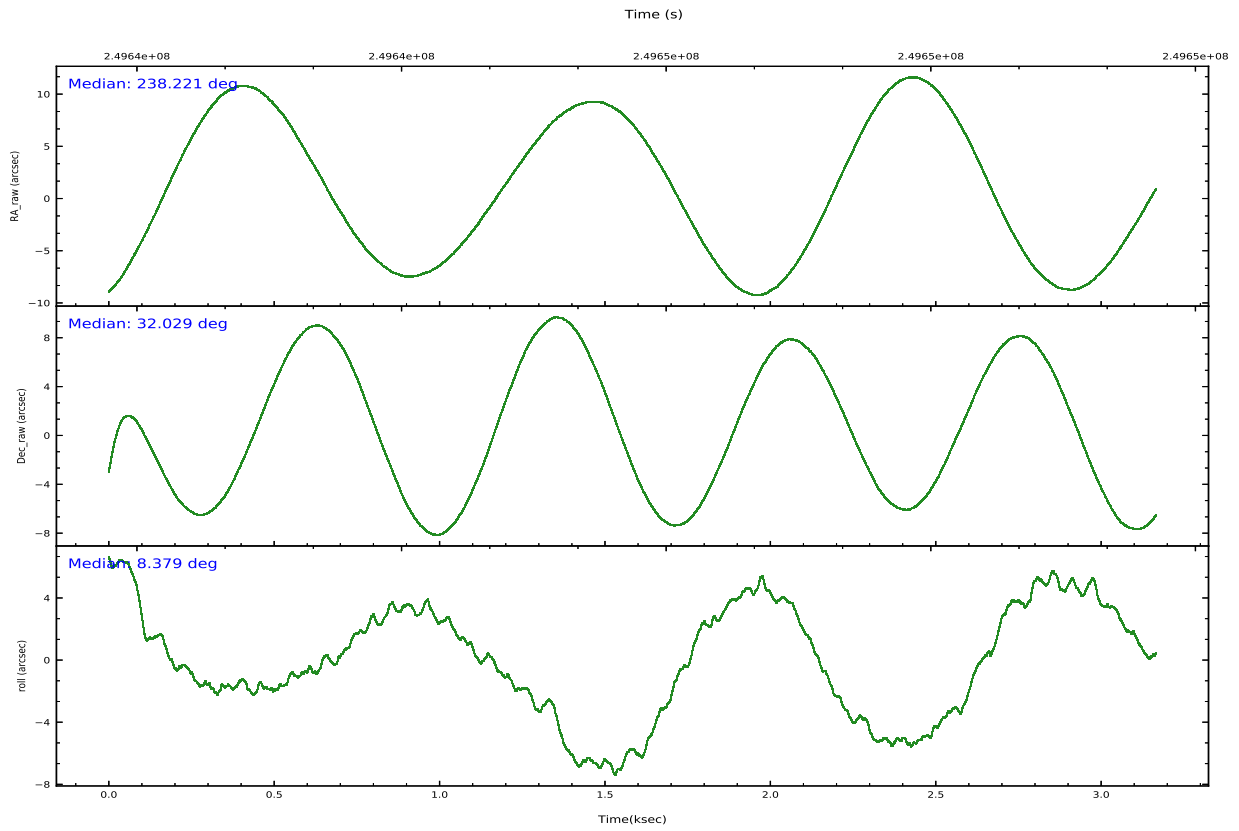
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	688	626	1993	699	745	2004
	3%	3%	11%	3%	7%	8%
grade 1 events	18	9	56	7	23	15
	0%	0%	0%	0%	0%	0%
grade 2 events	391	312	3585	388	1403	1288
	1%	1%	20%	2%	13%	5%
grade 3 events	159	150	547	167	625	636
	0%	0%	3%	0%	6%	2%
grade 4 events	186	186	508	178	646	629
	0%	1%	2%	0%	6%	2%
grade 5 events	266	361	1339	354	1113	604
	1%	2%	7%	1%	10%	2%
grade 6 events	232	238	4220	290	2546	1488
	1%	1%	24%	1%	24%	6%
grade 7 events	18862	14831	4874	16073	3303	16376
	90%	88%	28%	88%	31%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	238.195997	238.21869860014	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.012137	32.025894160413	Alternating exposures requested	N	N
[deg] Pointing Roll	8.229214	8.378804289422799	[s] Primary exposure time	0.000000	3.2
[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)	249644081.184000	249642969.53558			
Observation start date	2005-11-29T09:33:37	2005-11-29T09:16:09			
[s] Observation end time (MET)	249647081.184000	249647877.2358			
Observation end date	2005-11-29T10:23:37	2005-11-29T10:37:57			
Read mode	TIMED	TIMED			

2.3 Aspect





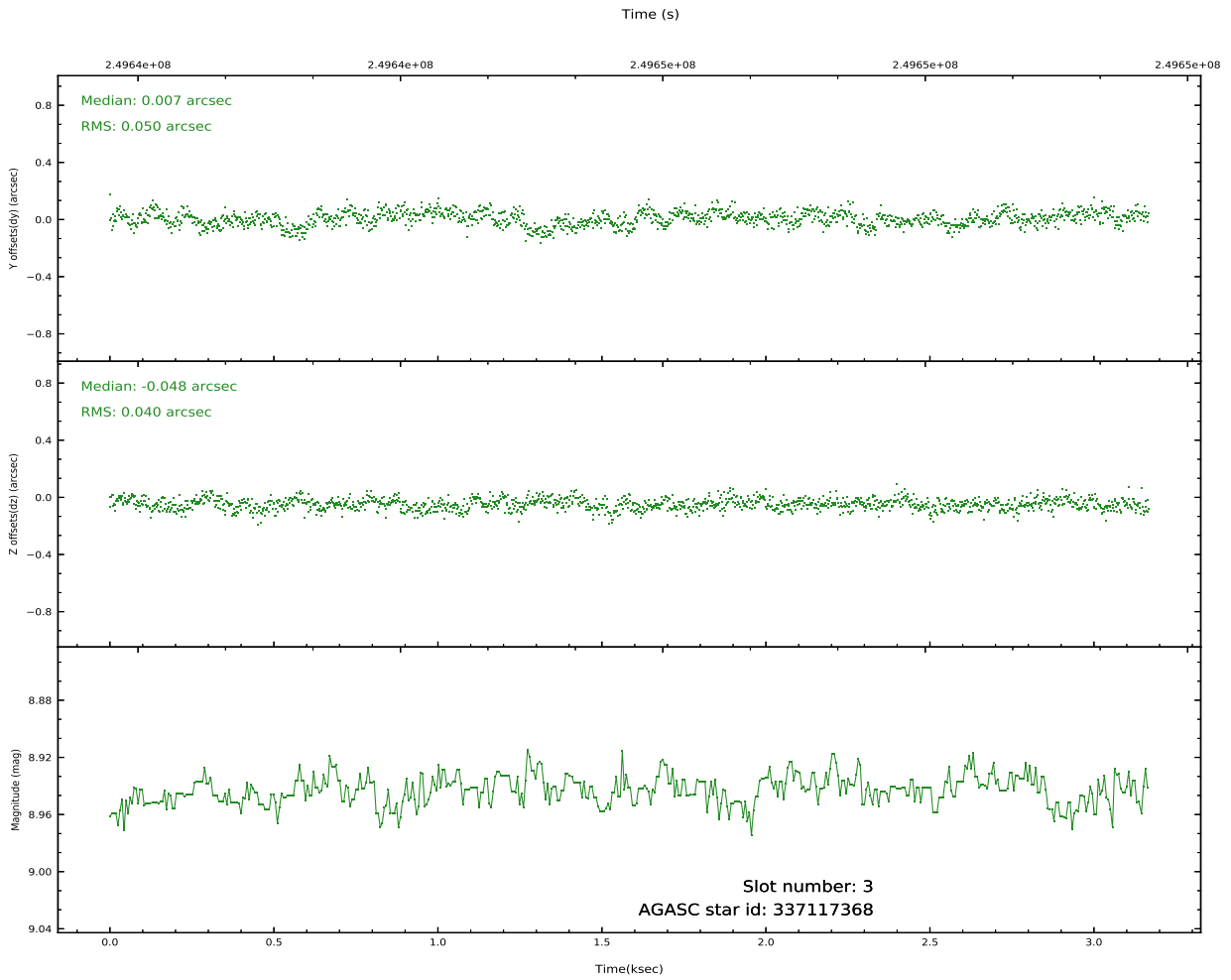
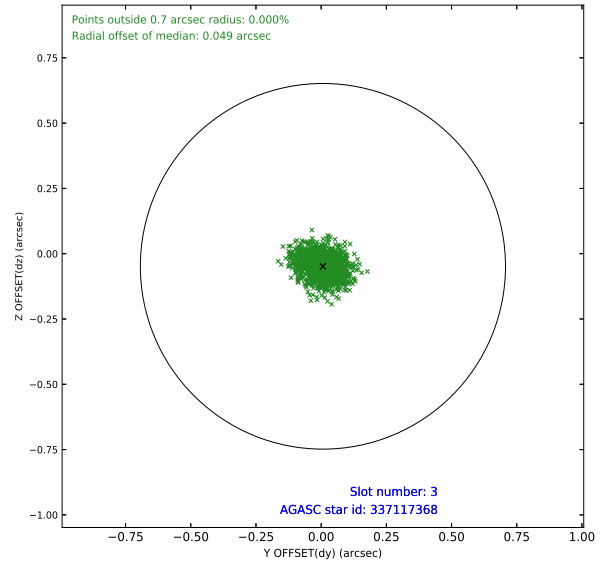
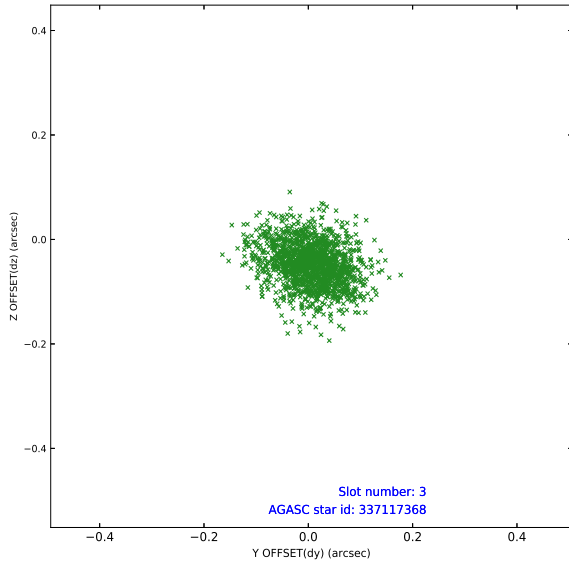
Slot Statistics

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	7.11	773	1.000	-0.079	-0.062	0.006	0.010	0.000000	0.000000	-760.53	-1731
1	FID		ACIS-S-4	7.21	773	1.000	0.175	0.055	0.006	0.010	0.000000	0.000000	2152.01	174
2	FID		ACIS-S-5	7.24	773	1.000	-0.127	0.016	0.007	0.012	0.000000	0.000000	-1810.92	170
3	GUIDE	used	337117368	8.94	1545	1.000	0.007	-0.048	0.067	0.114	237.642090	32.225739	-1558.41	1007
4	GUIDE	used	337117608	8.93	1546	1.000	0.062	-0.016	0.075	0.130	237.770221	31.720854	-1440.53	-847
5	GUIDE	used	337120024	8.33	1545	1.000	-0.053	0.096	0.057	0.092	237.744790	31.501005	-1634.16	-1620
6	GUIDE	used	337122104	8.66	1545	1.000	-0.010	0.047	0.069	0.107	238.551370	32.342676	1239.78	1024
7	GUIDE	used	337123632	8.39	1545	1.000	-0.008	-0.075	0.060	0.096	238.091655	32.117884	-258.99	423

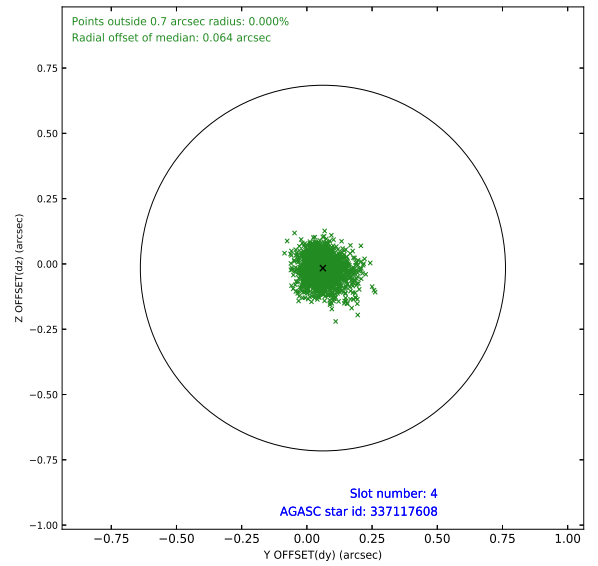
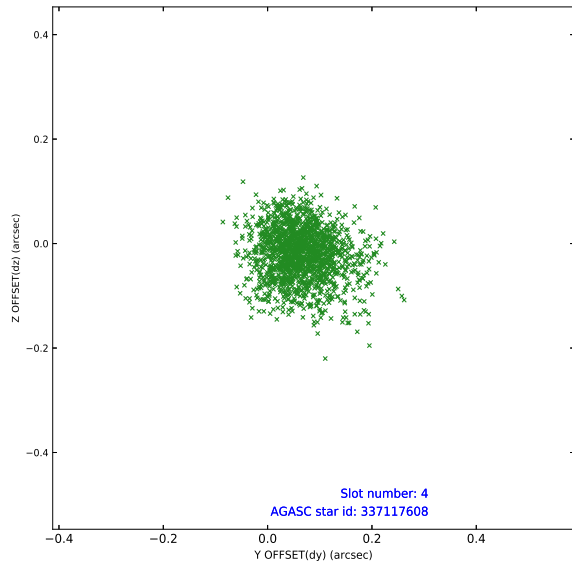
∞

2.4 Star Slots

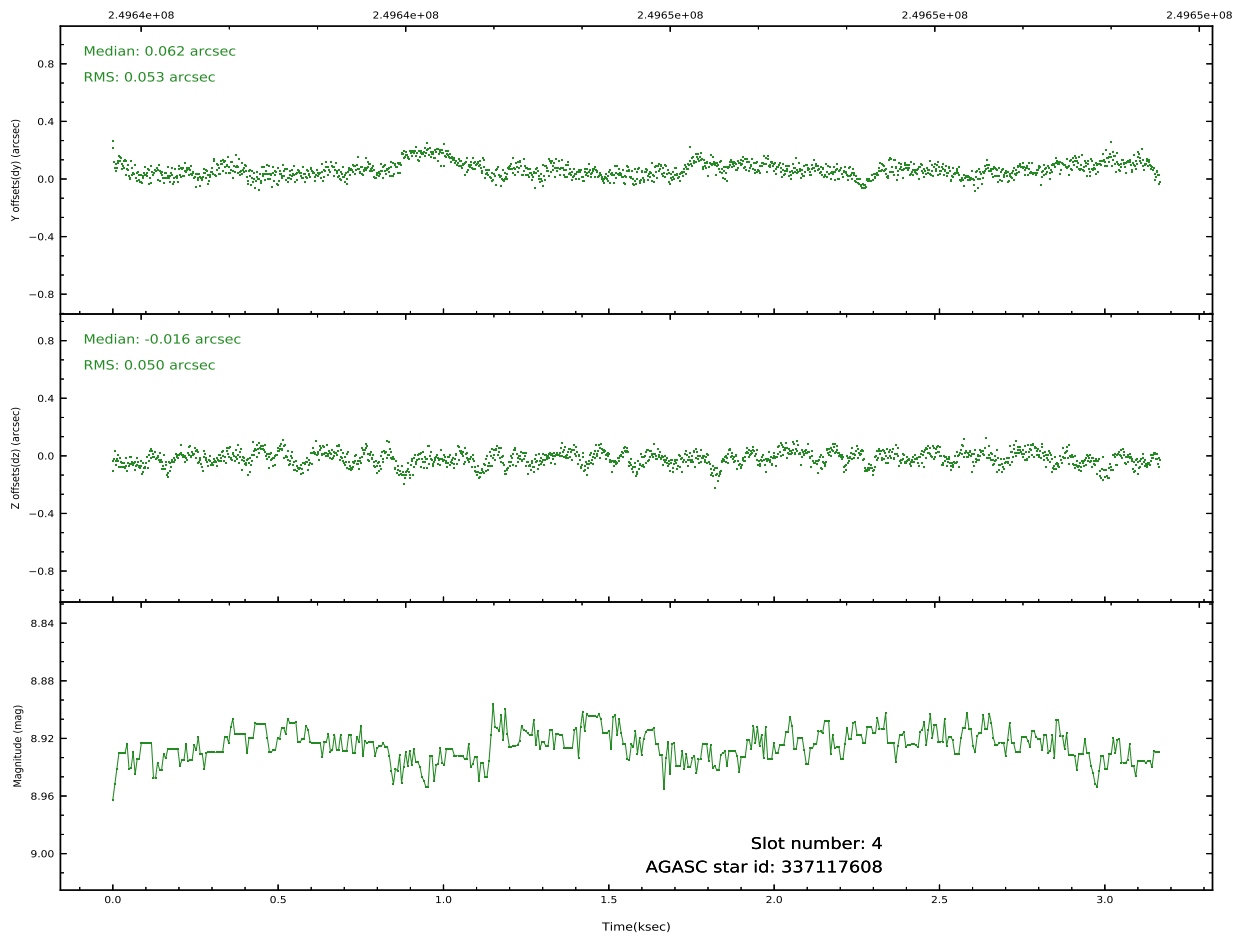
2.4.1 Slot 3



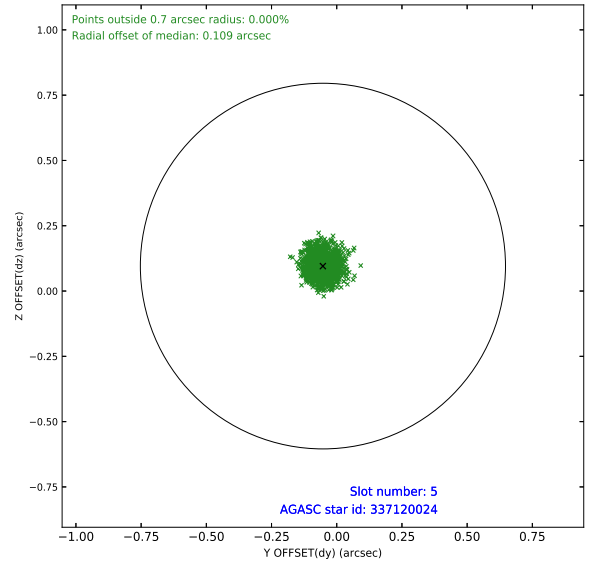
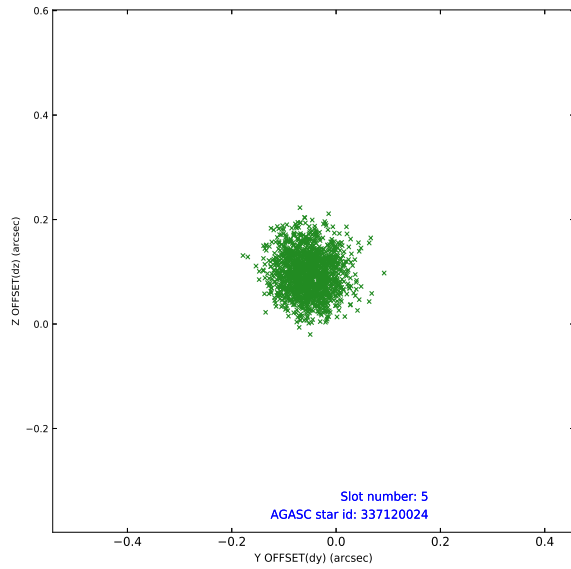
2.4.2 Slot 4



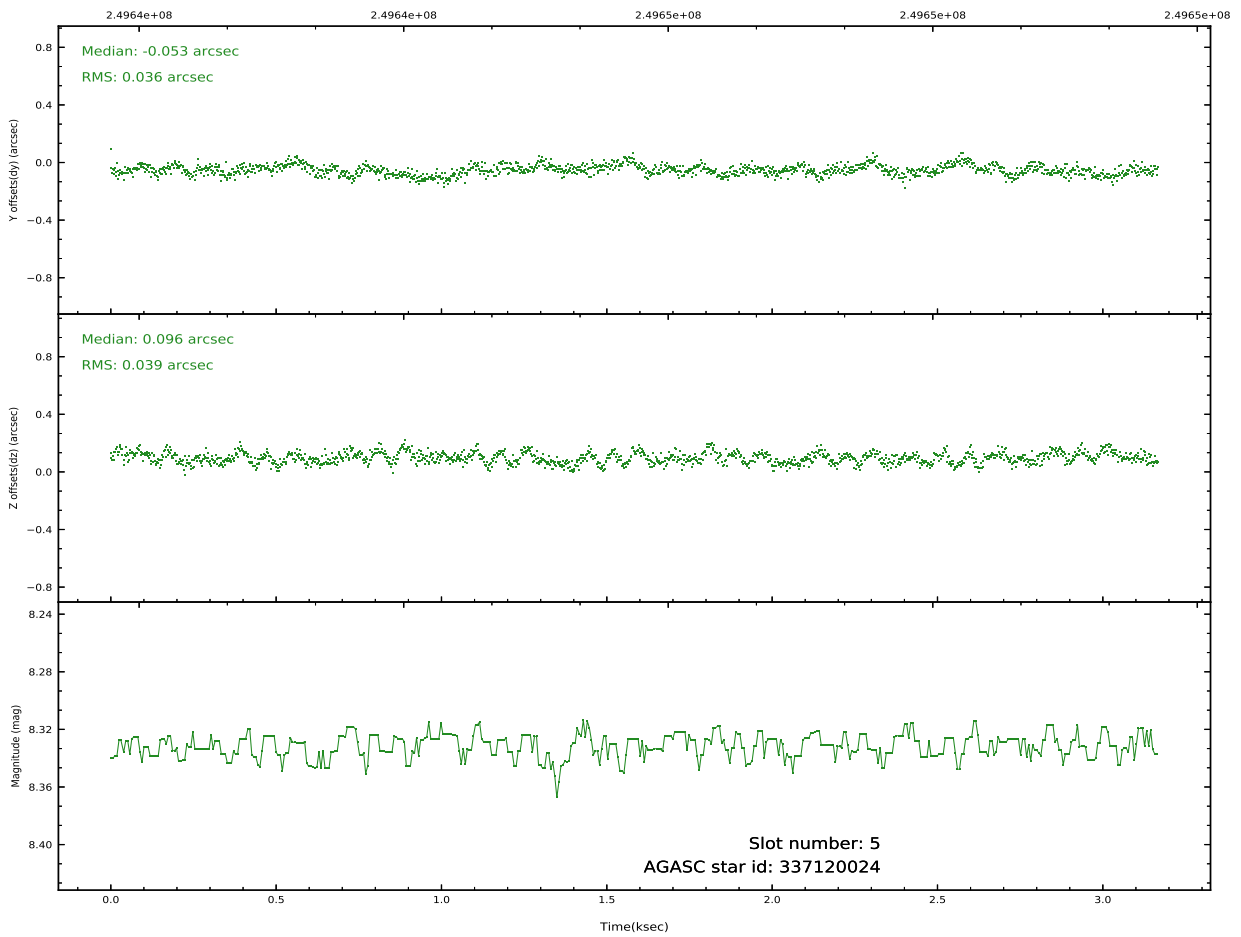
Time (s)



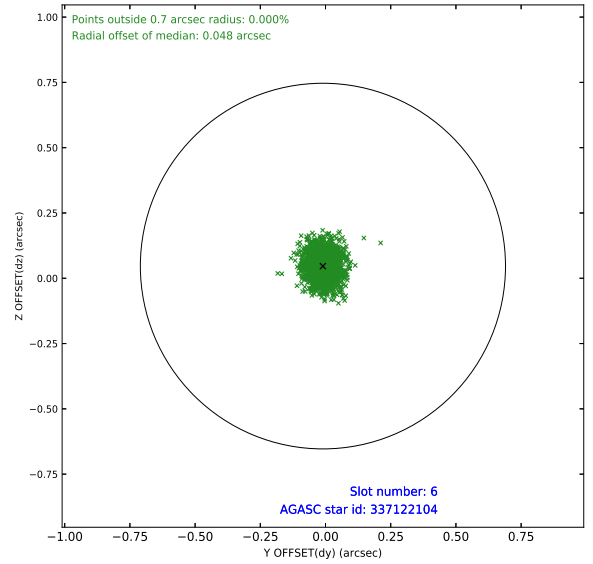
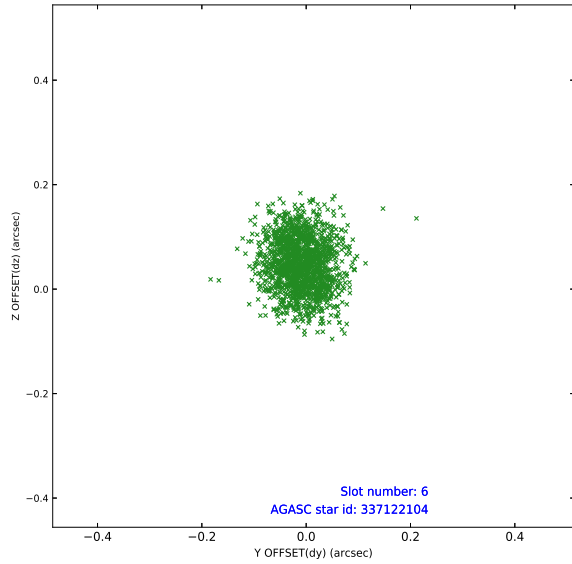
2.4.3 Slot 5



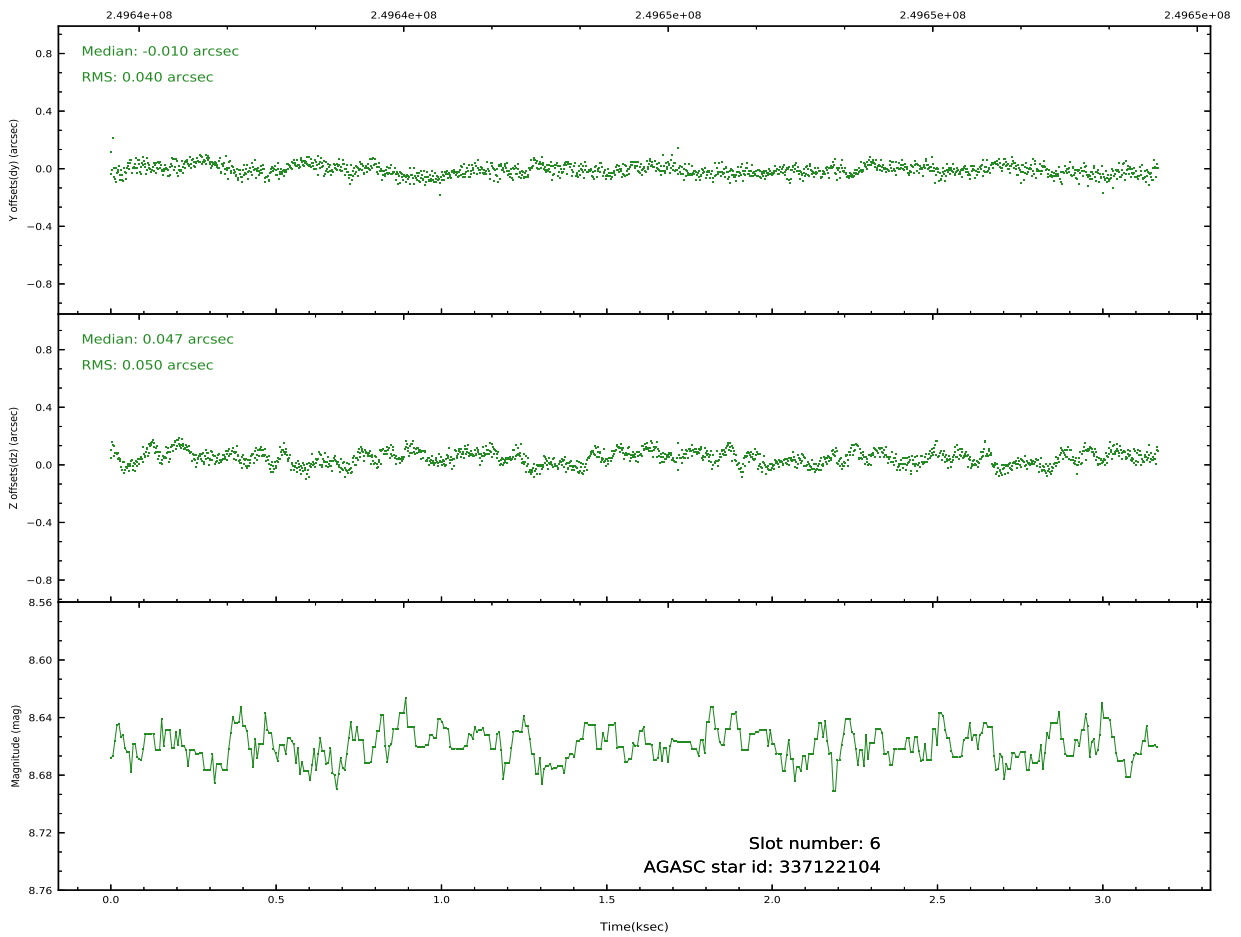
Time (s)



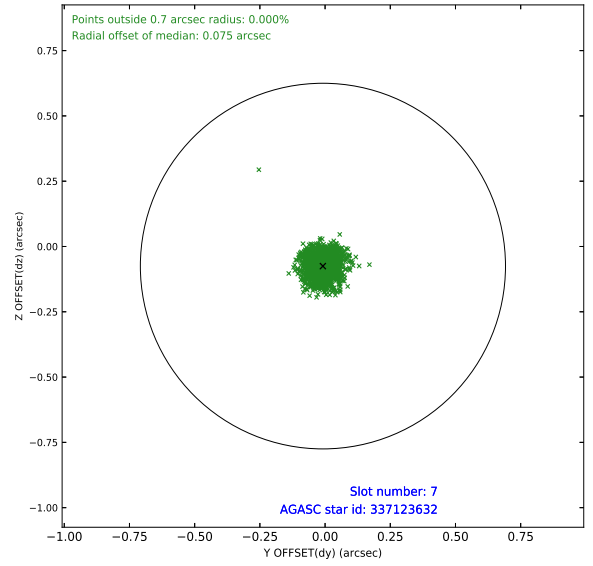
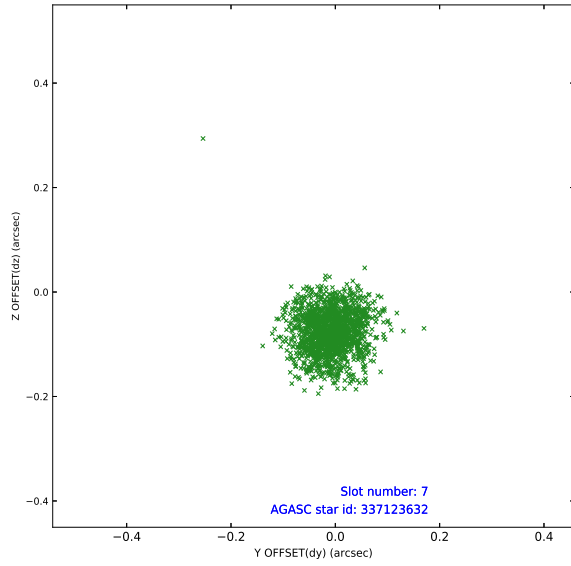
2.4.4 Slot 6



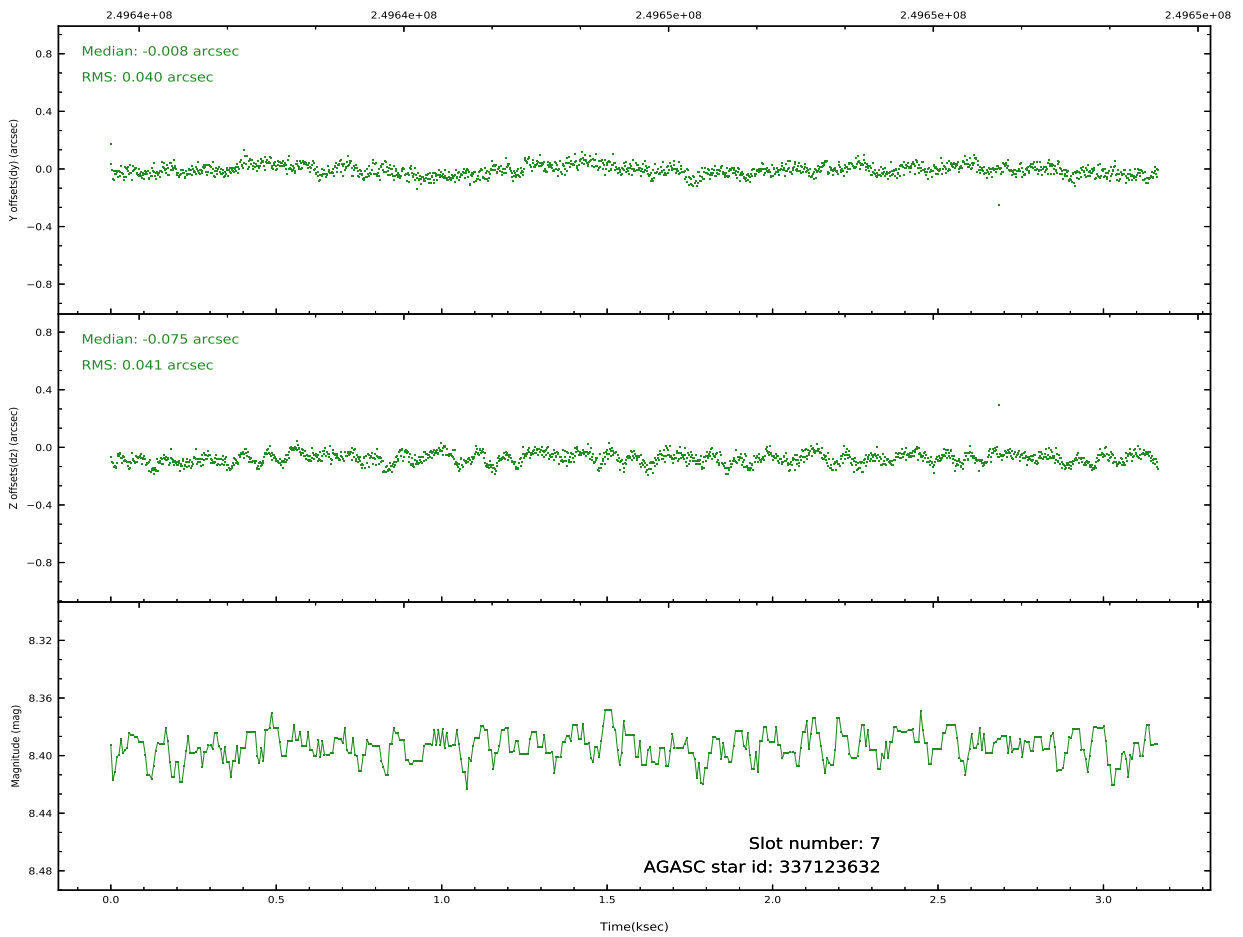
Time (s)



2.4.5 Slot 7

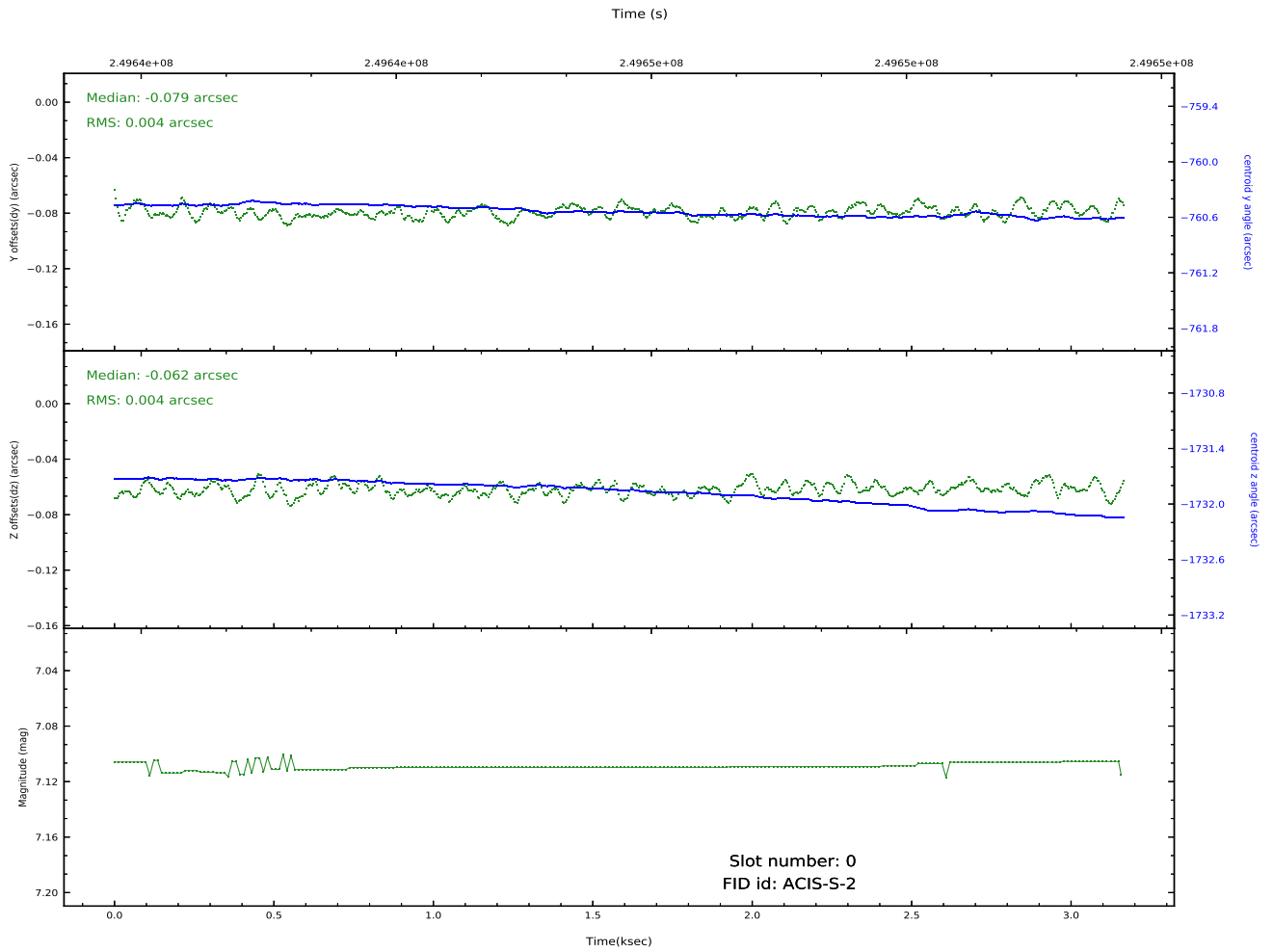
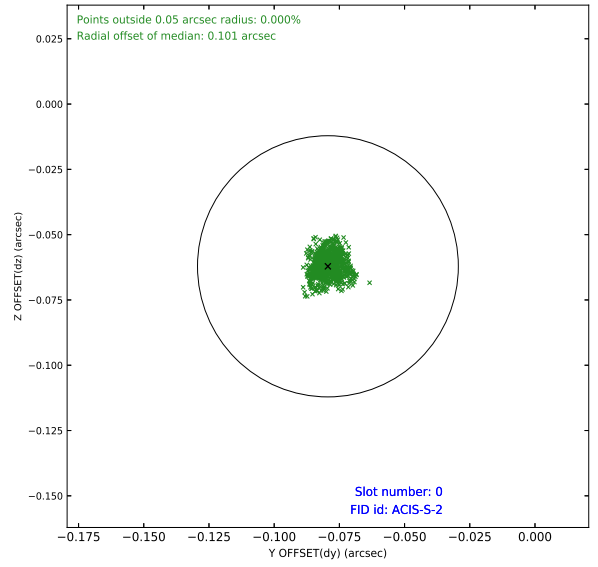
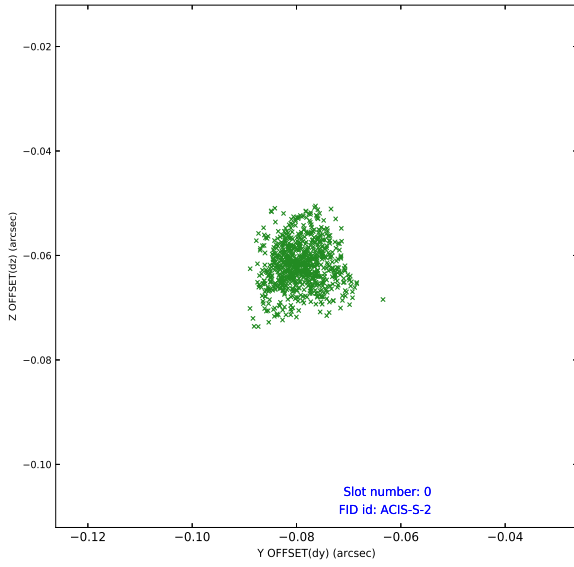


Time (s)

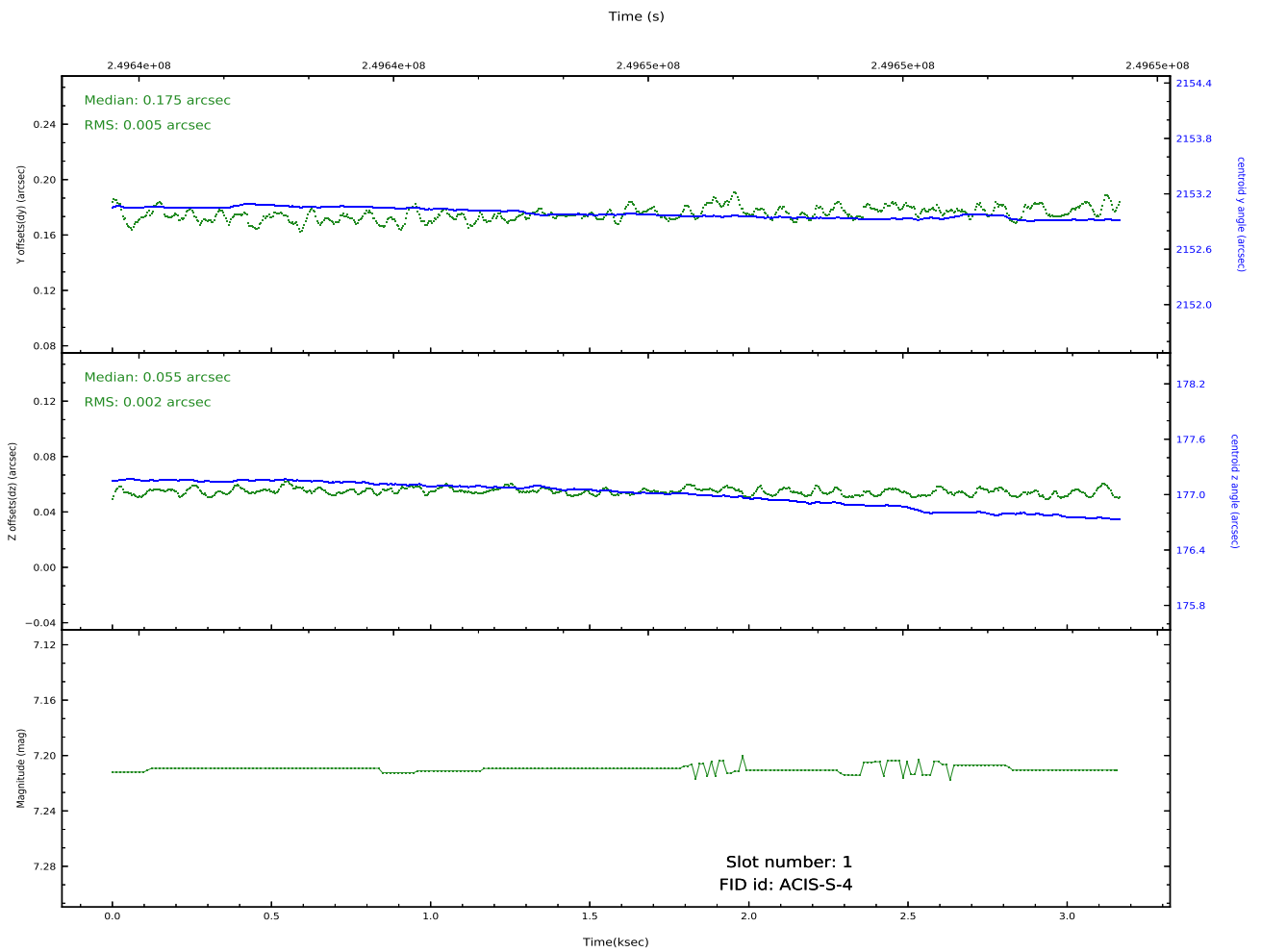
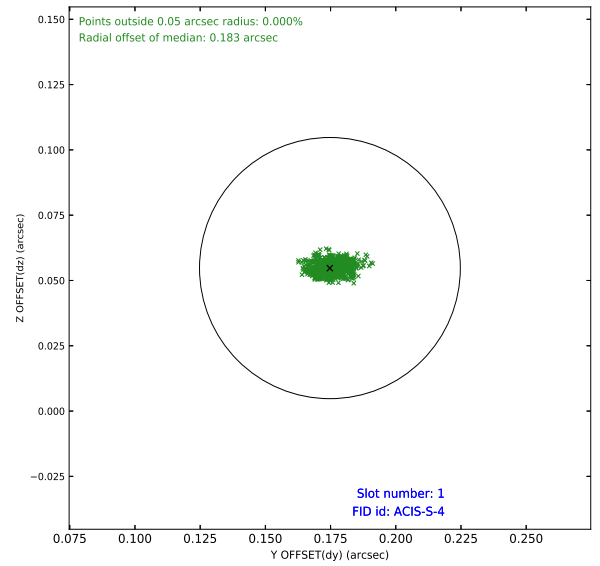
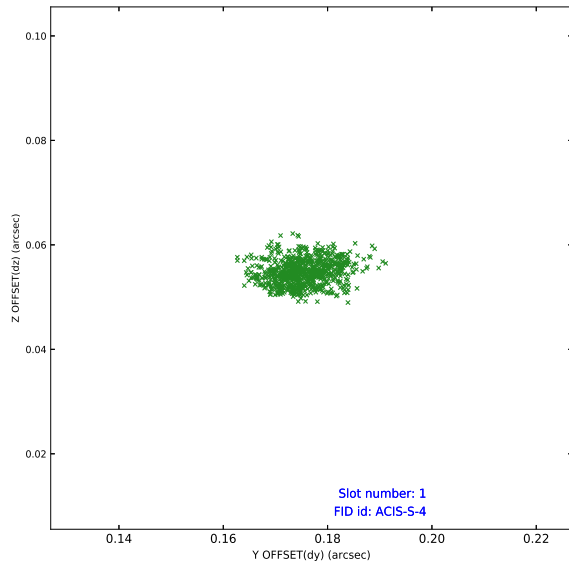


2.5 FID Slots

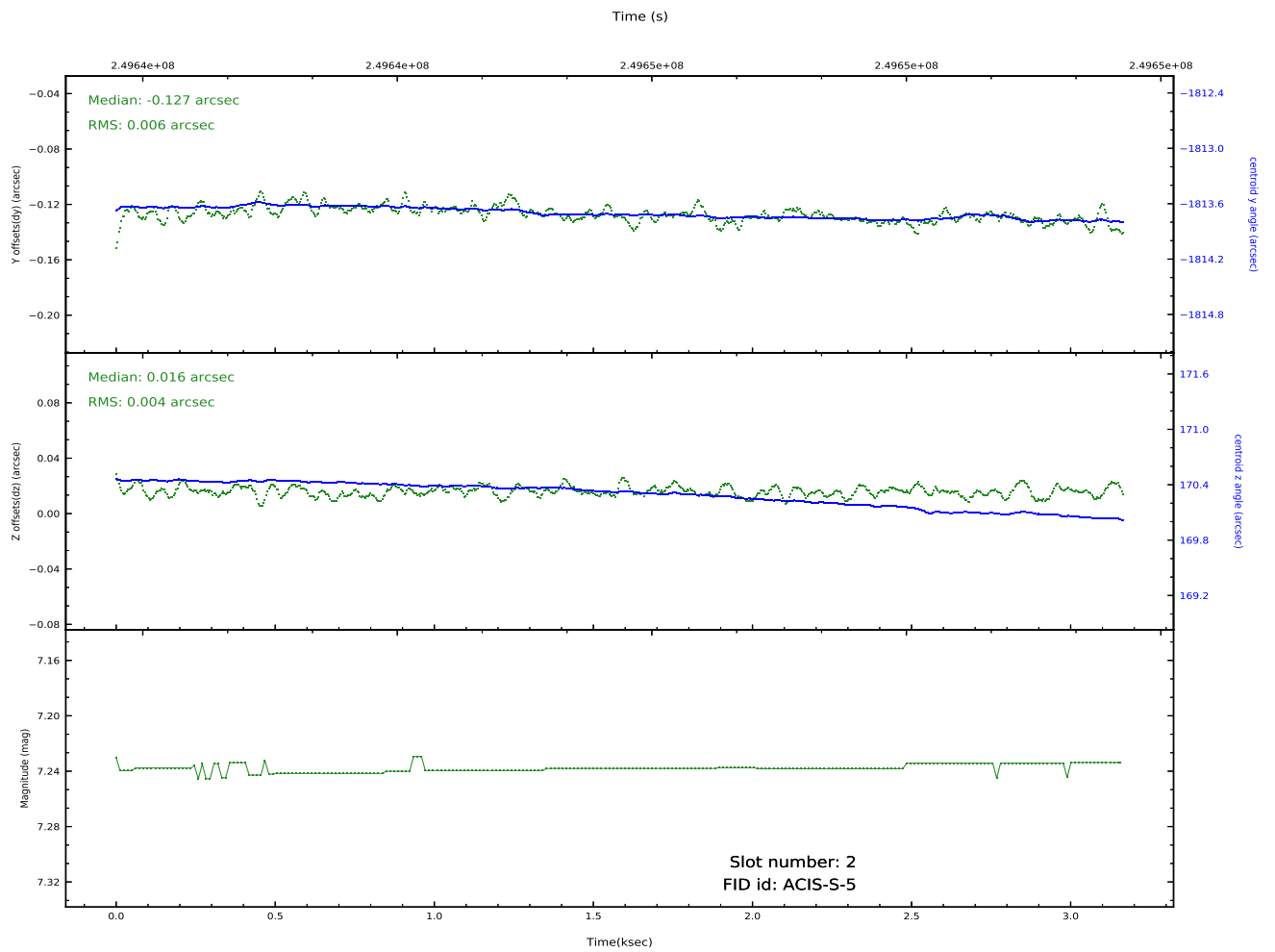
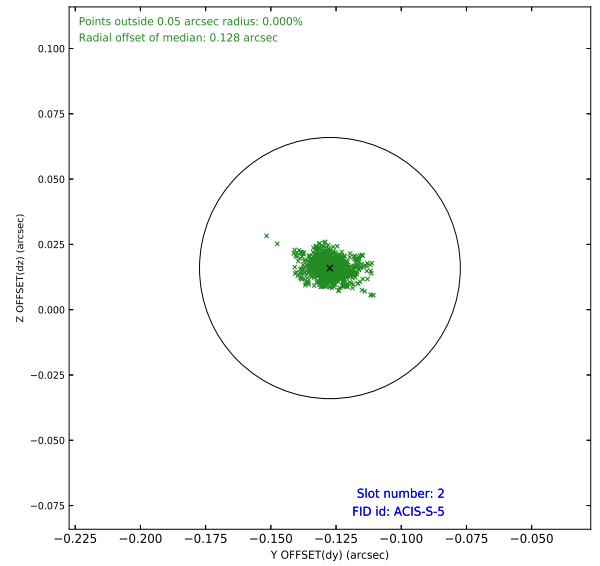
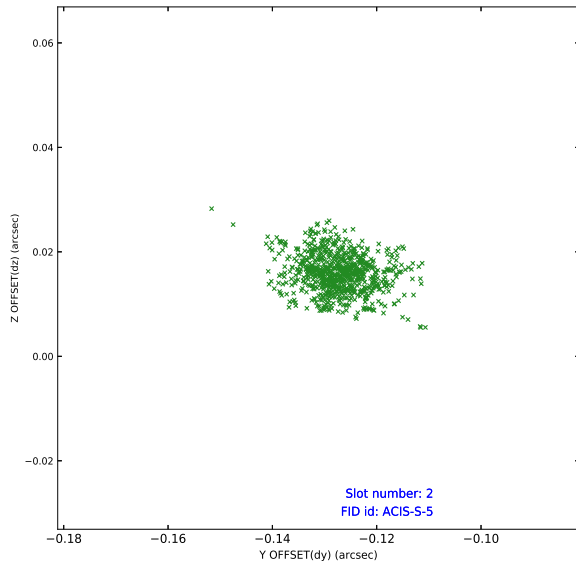
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.161599

A.2 Comments