

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6999 - L2 Version 4
Chandra X-Ray Center

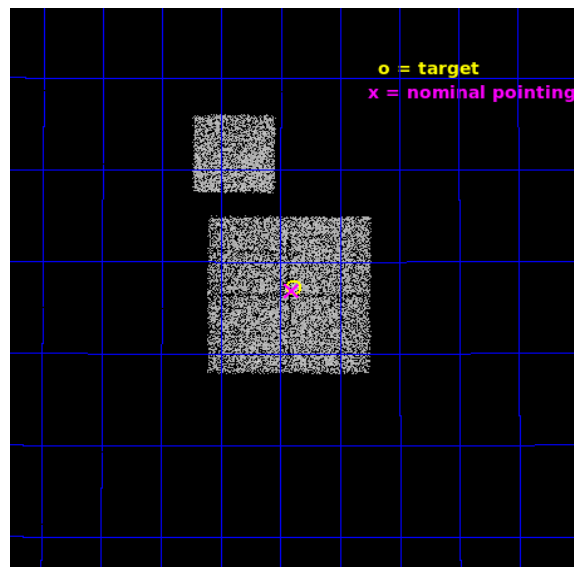
L2 Processing Date : Oct 11 2020

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1 Front

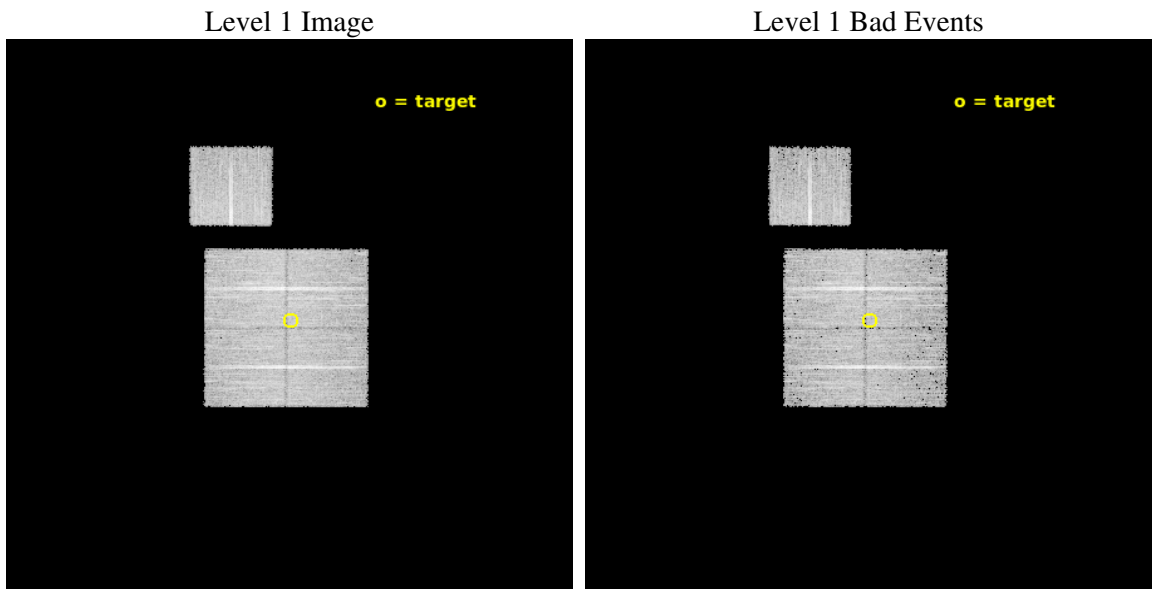
seq_num	900415	Sequence number
obs_id	6999	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	XBootes	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.84825	Observer's specified target RA [deg]
dec_targ	33.952944	Observer's specified target Dec [deg]
ra_nom	217.85118838272	Nominal RA [deg]
dec_nom	33.947642318029	Nominal Dec [deg]
roll_nom	0.20513218846673	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9705.6152882576	Sum of GTIs [s]
livetime	9578.8042793465	Livetime [s]
ontime0	9708.6331285238	Sum of GTIs [s]
ontime1	9699.2512279749	Sum of GTIs [s]
ontime2	9708.7152085304	Sum of GTIs [s]
ontime3	9705.6152882576	Sum of GTIs [s]
ontime6	9705.4511182904	Sum of GTIs [s]
l2events	23402	Number of level 2 events



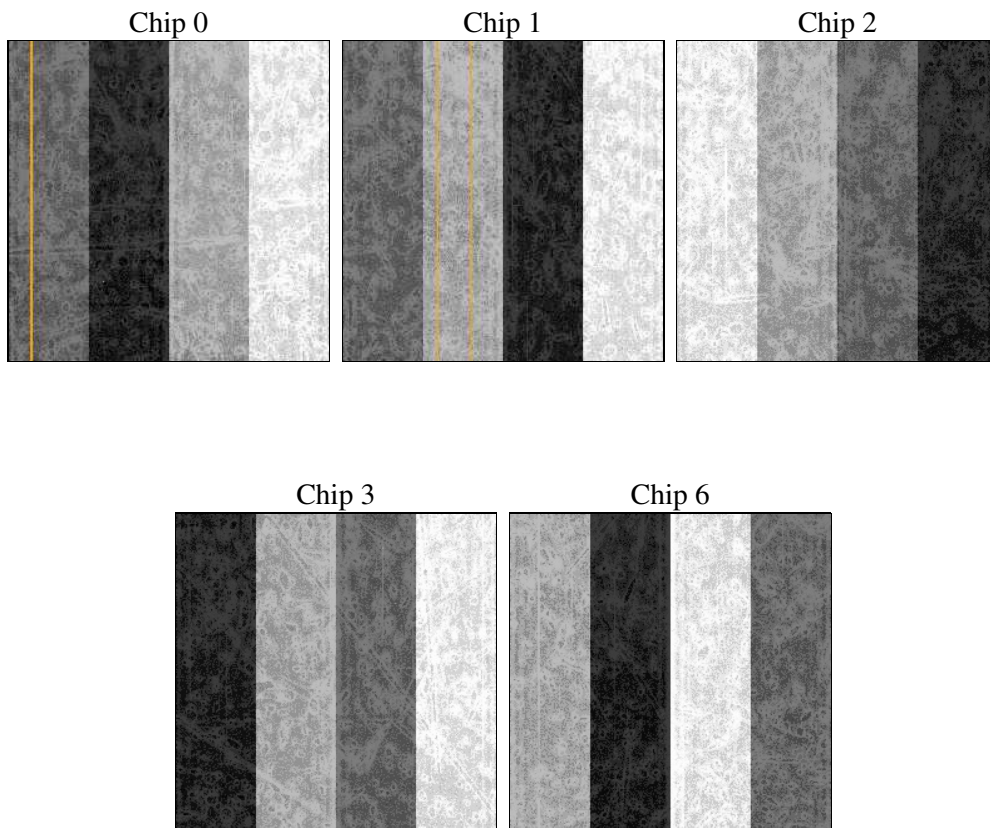
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9705.6152882576	Sum of GTIs [s]
caldbver	4.9.2	 	ontime0	9708.6331285238	Sum of GTIs [s]
date	2020-10-11T14:21:20	Date and time of file creation	ontime1	9699.2512279749	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	9708.7152085304	Sum of GTIs [s]
			ontime3	9705.6152882576	Sum of GTIs [s]
			ontime6	9705.4511182904	Sum of GTIs [s]
			l1events	297418	Number of level 1 events

2.1.4 Events

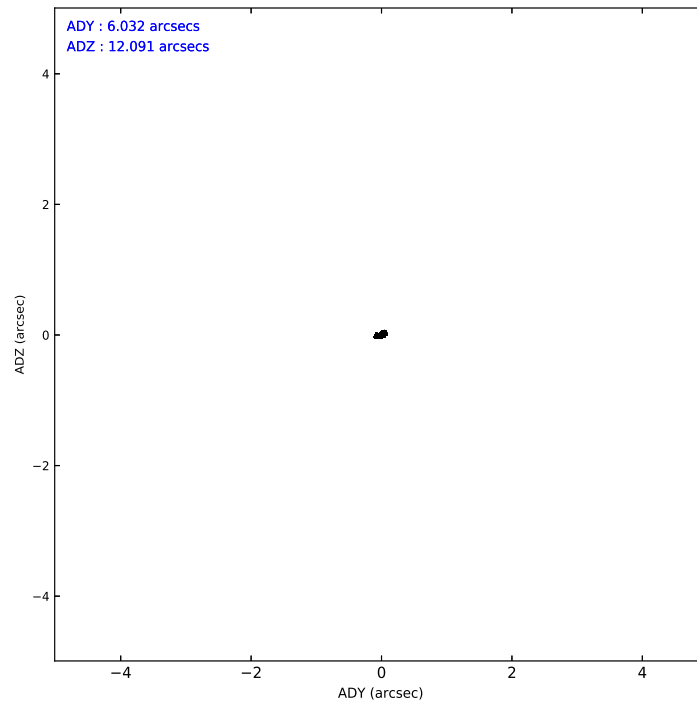
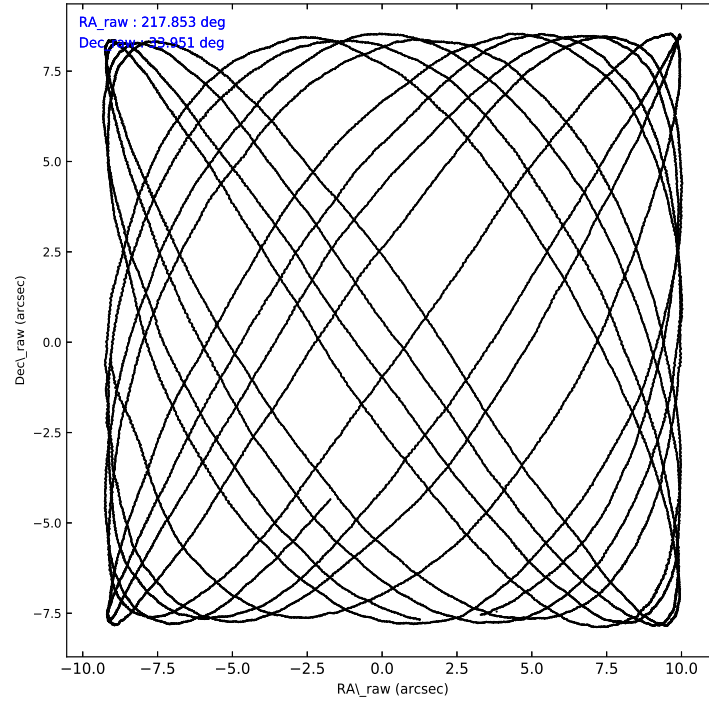
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	58808	54059	67906	57994	58651
rejected events	52967	48093	62308	52546	52672
rejected %	90%	88%	91%	90%	89%

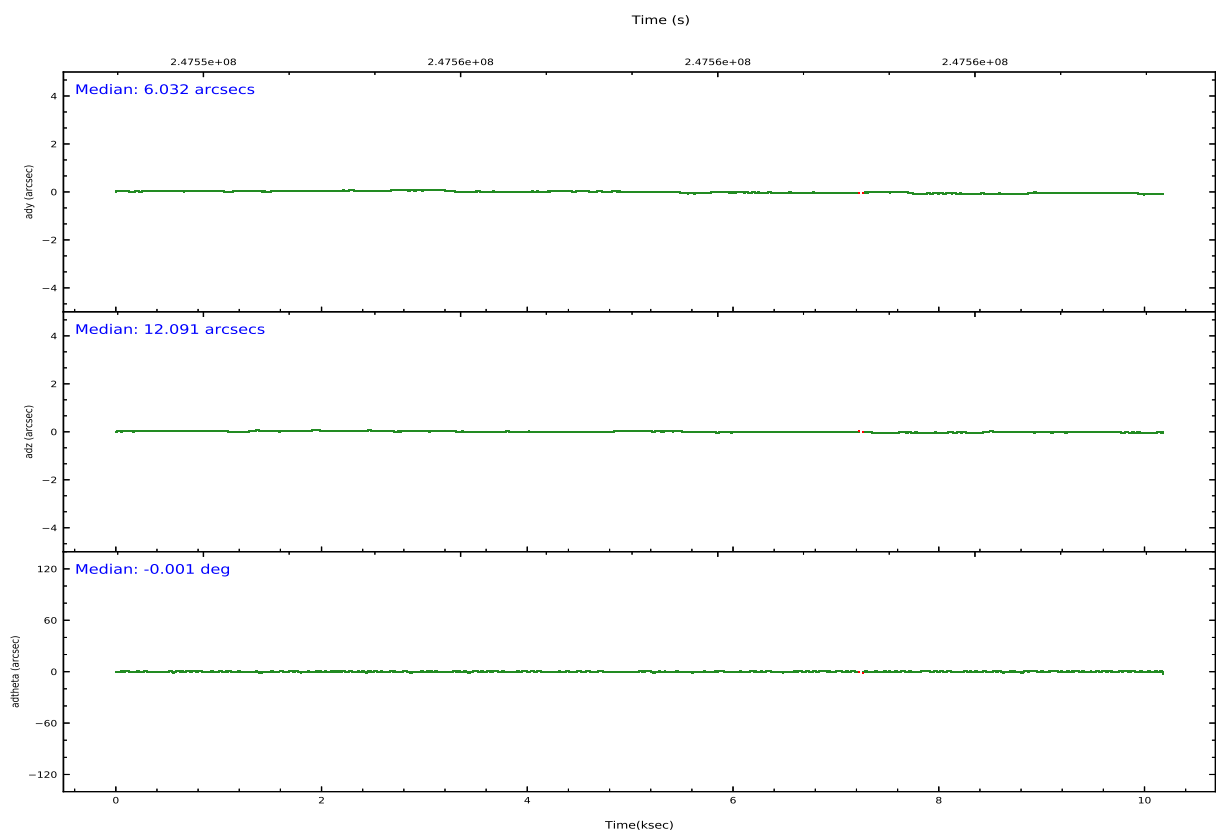
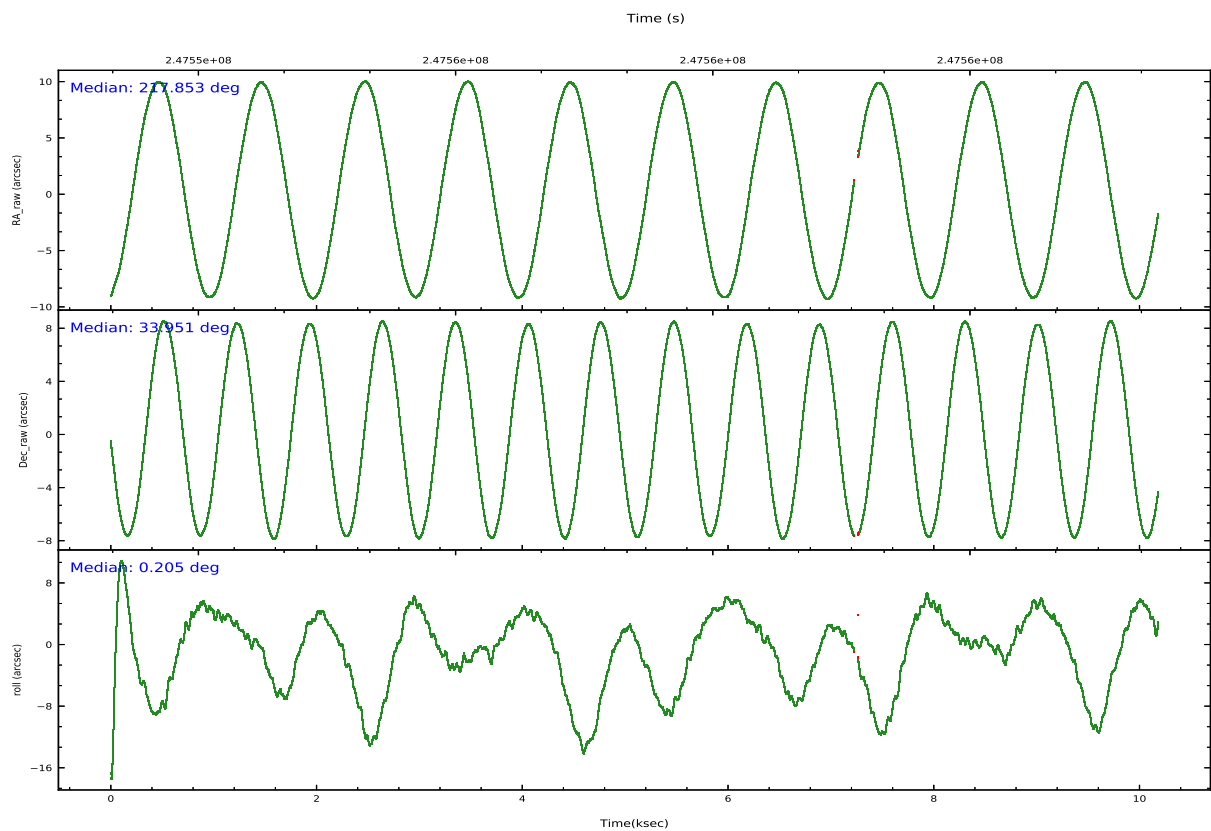
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2109	1984	2098	1904	2182
	3%	3%	3%	3%	3%
grade 1 events	20	26	39	32	25
	0%	0%	0%	0%	0%
grade 2 events	1394	1356	1349	1203	1288
	2%	2%	1%	2%	2%
grade 3 events	667	742	603	652	703
	1%	1%	0%	1%	1%
grade 4 events	693	720	627	647	666
	1%	1%	0%	1%	1%
grade 5 events	1732	2079	1647	2062	2035
	2%	3%	2%	3%	3%
grade 6 events	1019	1209	958	1083	1186
	1%	2%	1%	1%	2%
grade 7 events	51174	45943	60585	50411	50566
	87%	84%	89%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	217.824949	217.85118838272	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.937270	33.947642318029	Alternating exposures requested	N	N
[deg] Pointing Roll	0.013005	0.20513218846673	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	247551830.184000	247551454.3765			
Observation start date	2005-11-05T04:22:46	2005-11-05T04:17:34			
[s] Observation end time (MET)	247561830.184000	247562902.08953			
Observation end date	2005-11-05T07:09:26	2005-11-05T07:28:22			
Read mode	TIMED	TIMED			

2.3 Aspect



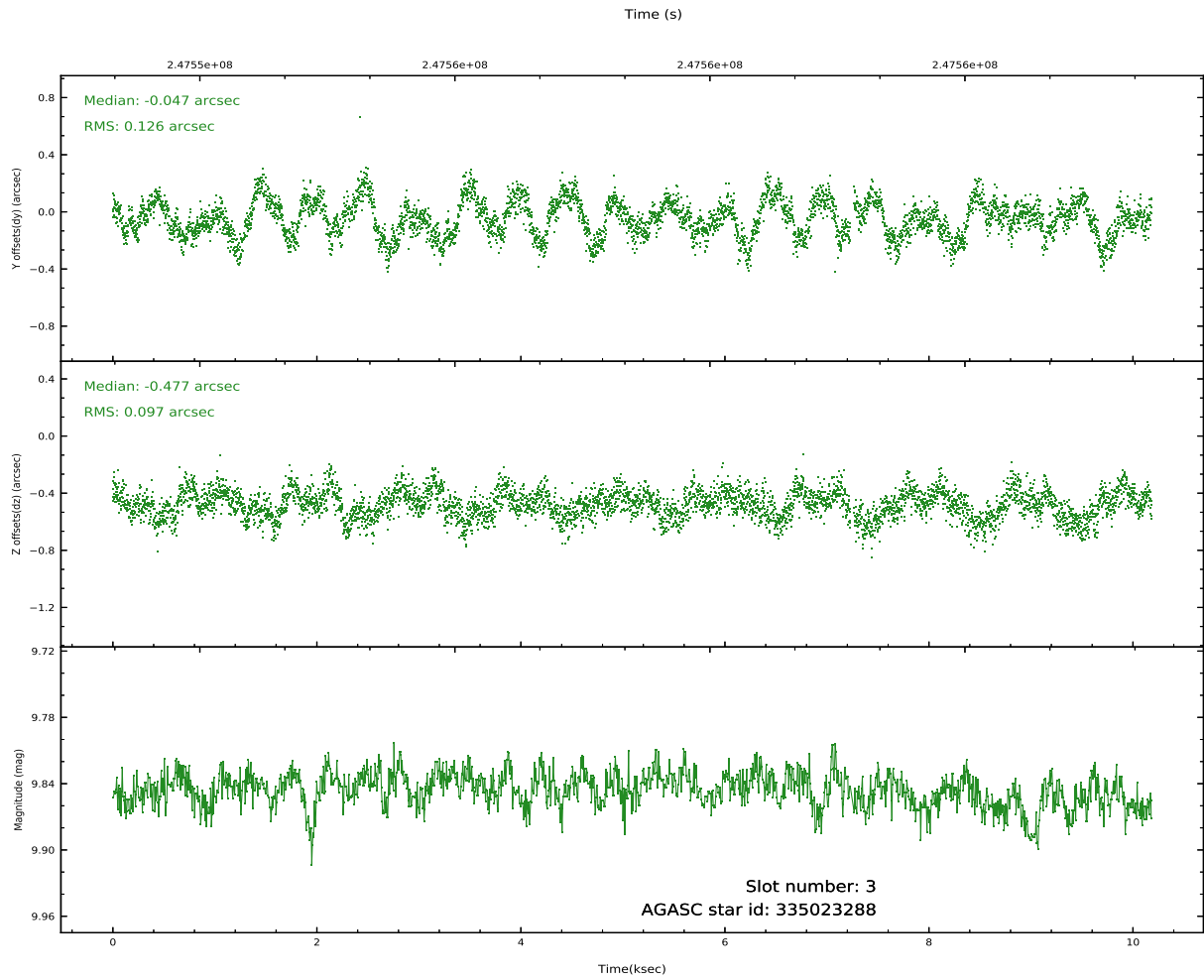
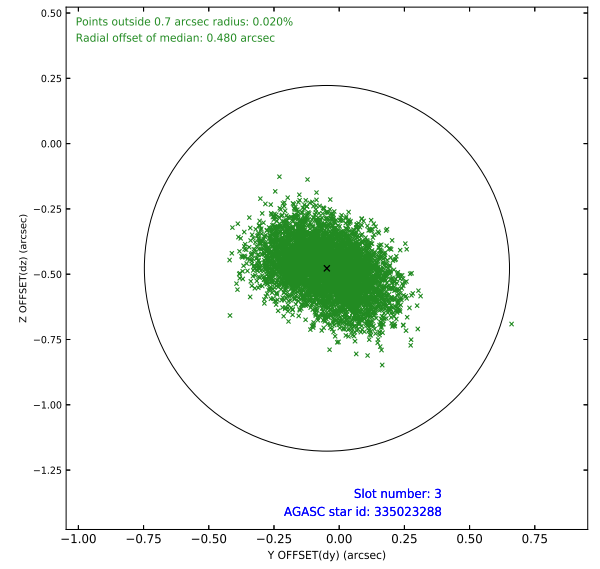
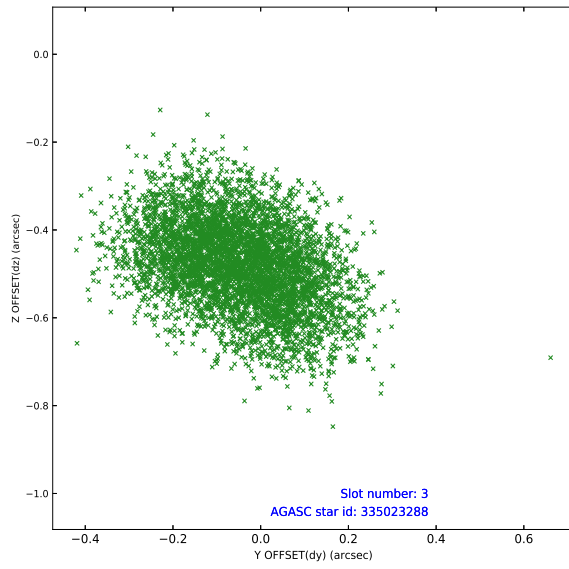


Slot Statistics

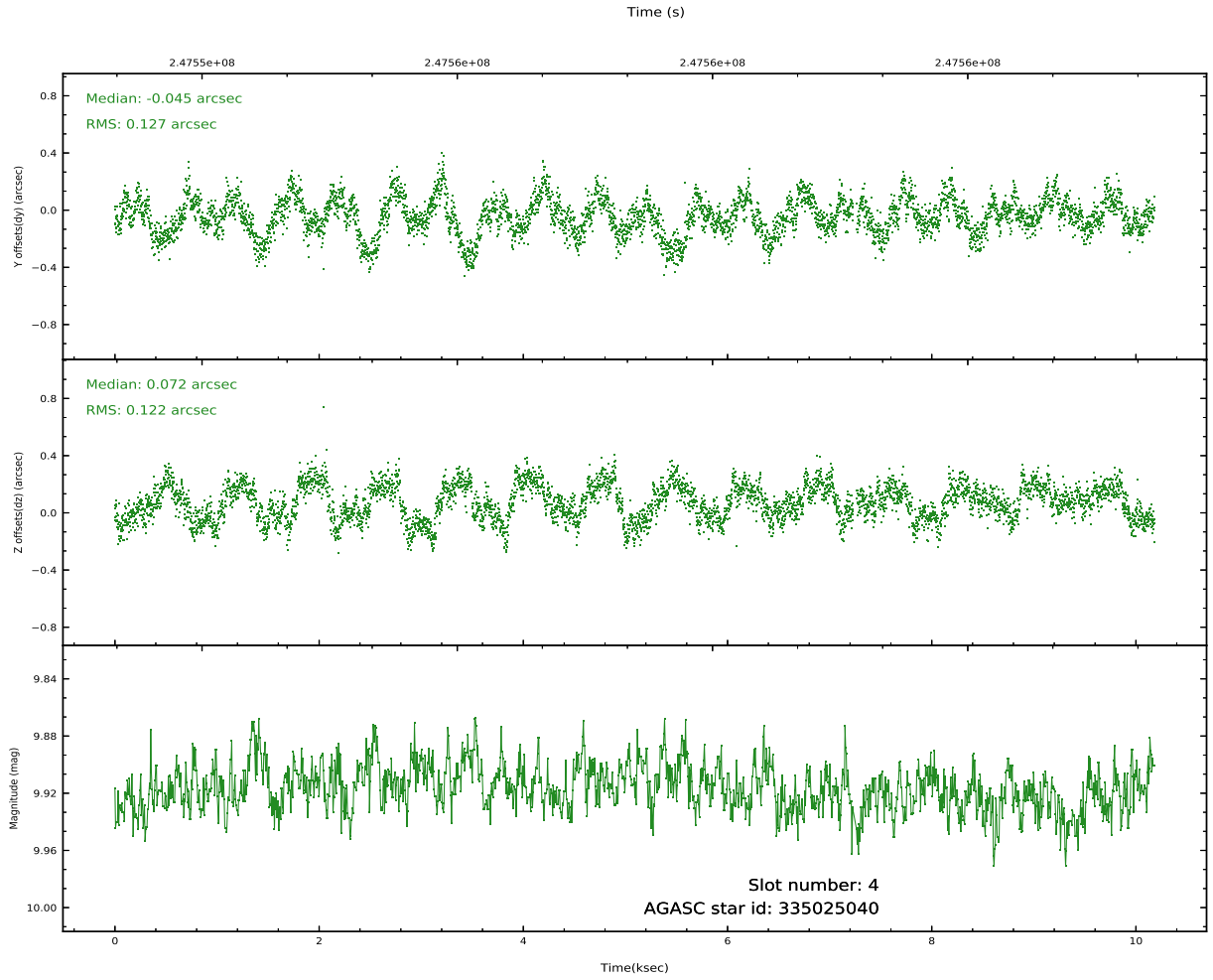
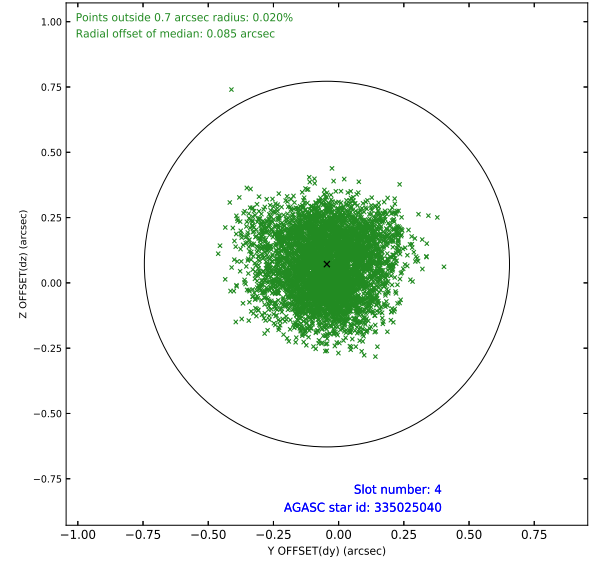
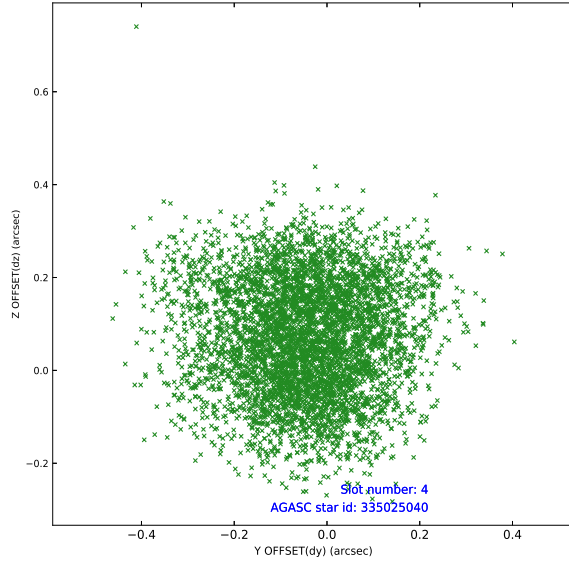
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	2476	1.000	0.057	-0.030	0.006	0.011	0.000000	0.000000	933.72	-835
1	FID		ACIS-I-5	7.23	2476	1.000	-0.200	0.063	0.006	0.010	0.000000	0.000000	-1814.32	1061
2	FID		ACIS-I-6	7.25	2476	1.000	0.051	0.037	0.007	0.011	0.000000	0.000000	398.75	1706
3	GUIDE	used	335023288	9.85	4948	1.000	-0.047	-0.477	0.170	0.272	217.791365	34.425735	-98.88	1758
4	GUIDE	used	335025040	9.92	4943	1.000	-0.045	0.072	0.190	0.298	218.601670	34.305240	2310.50	1333
5	GUIDE	used	335025848	9.73	4947	1.000	0.108	0.182	0.106	0.176	217.530531	33.778292	-880.14	-570
6	GUIDE	used	335027600	10.44	4940	1.000	-0.048	0.046	0.180	0.301	218.618512	33.447101	2383.92	-1756
7	GUIDE	used	335028696	9.16	4950	1.000	0.035	0.176	0.094	0.149	217.260519	33.844112	-1687.07	-330

2.4 Star Slots

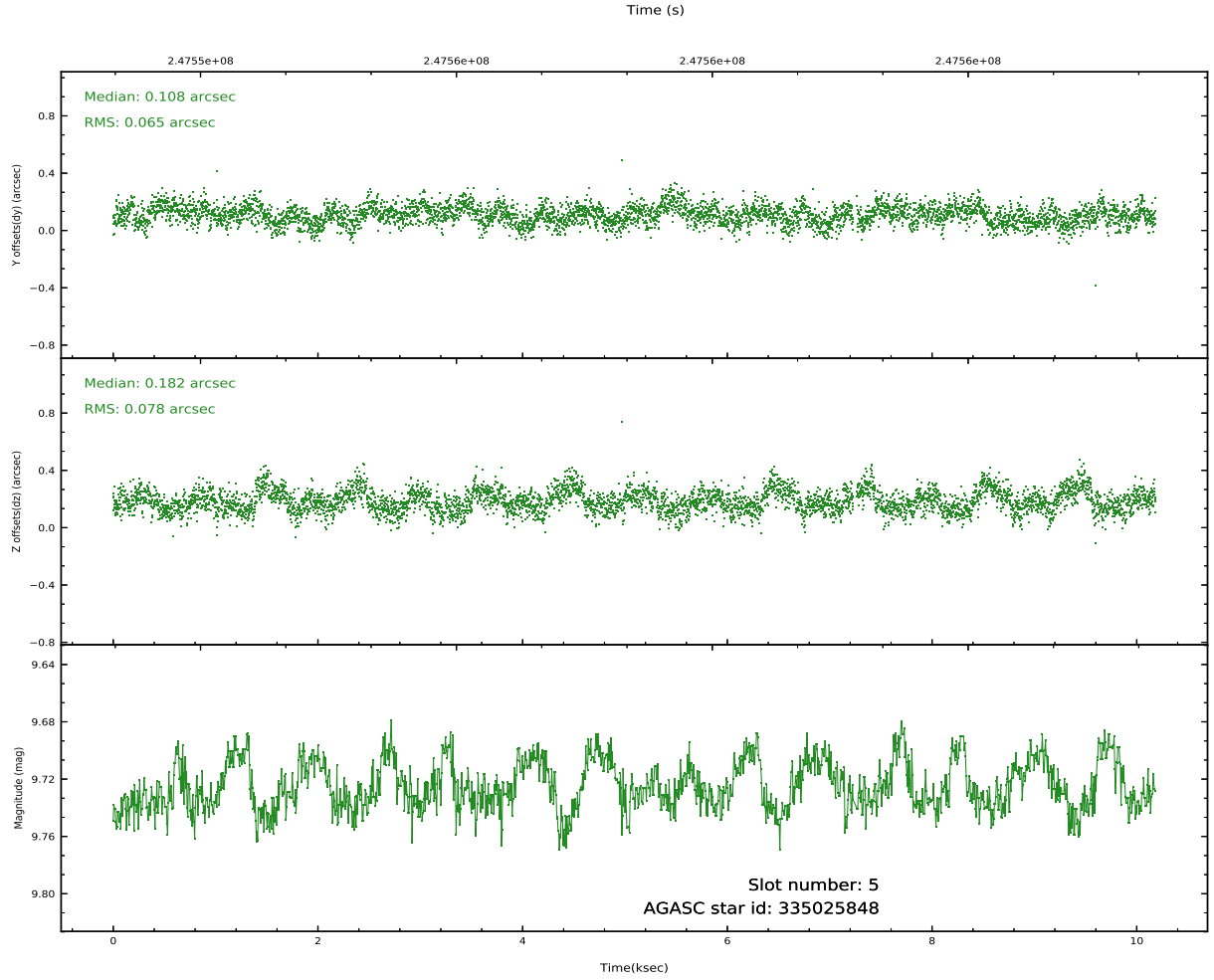
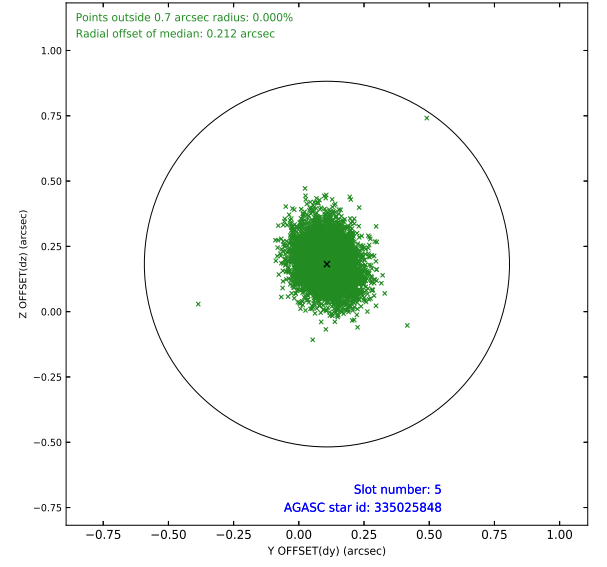
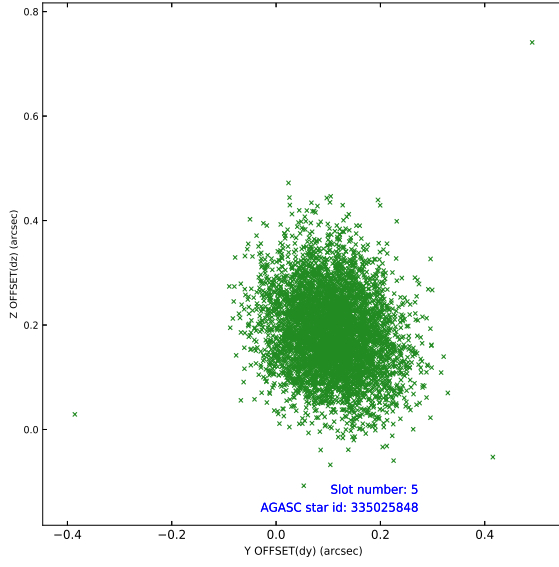
2.4.1 Slot 3



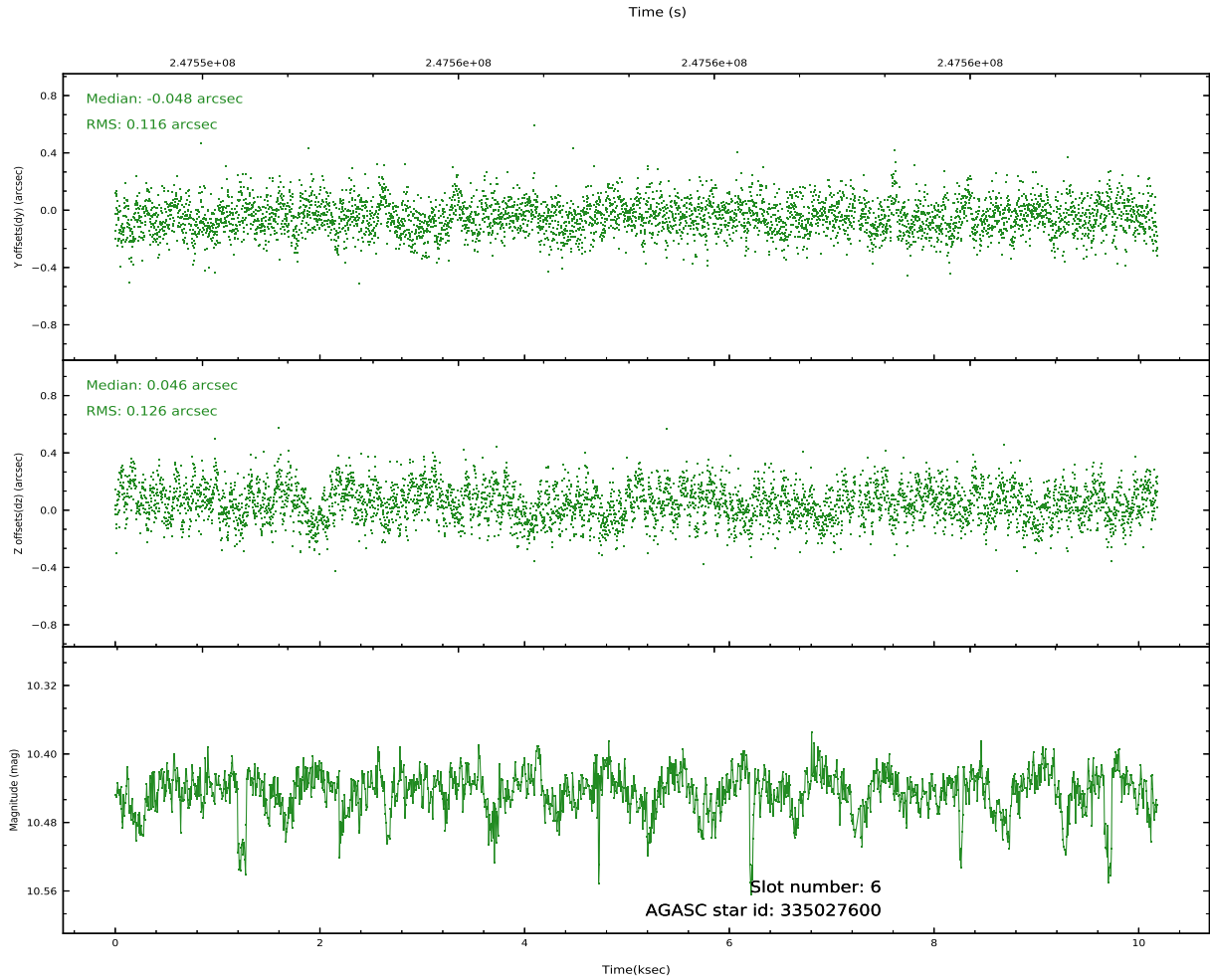
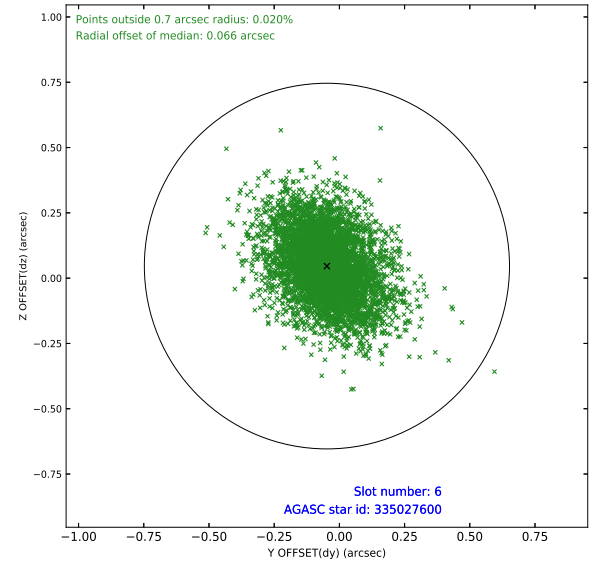
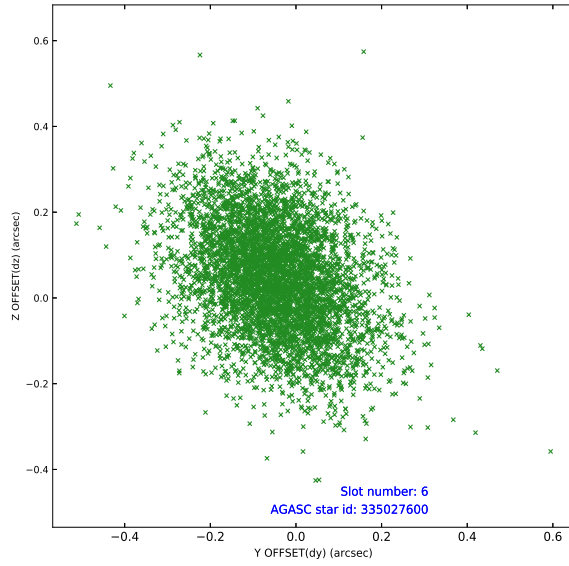
2.4.2 Slot 4



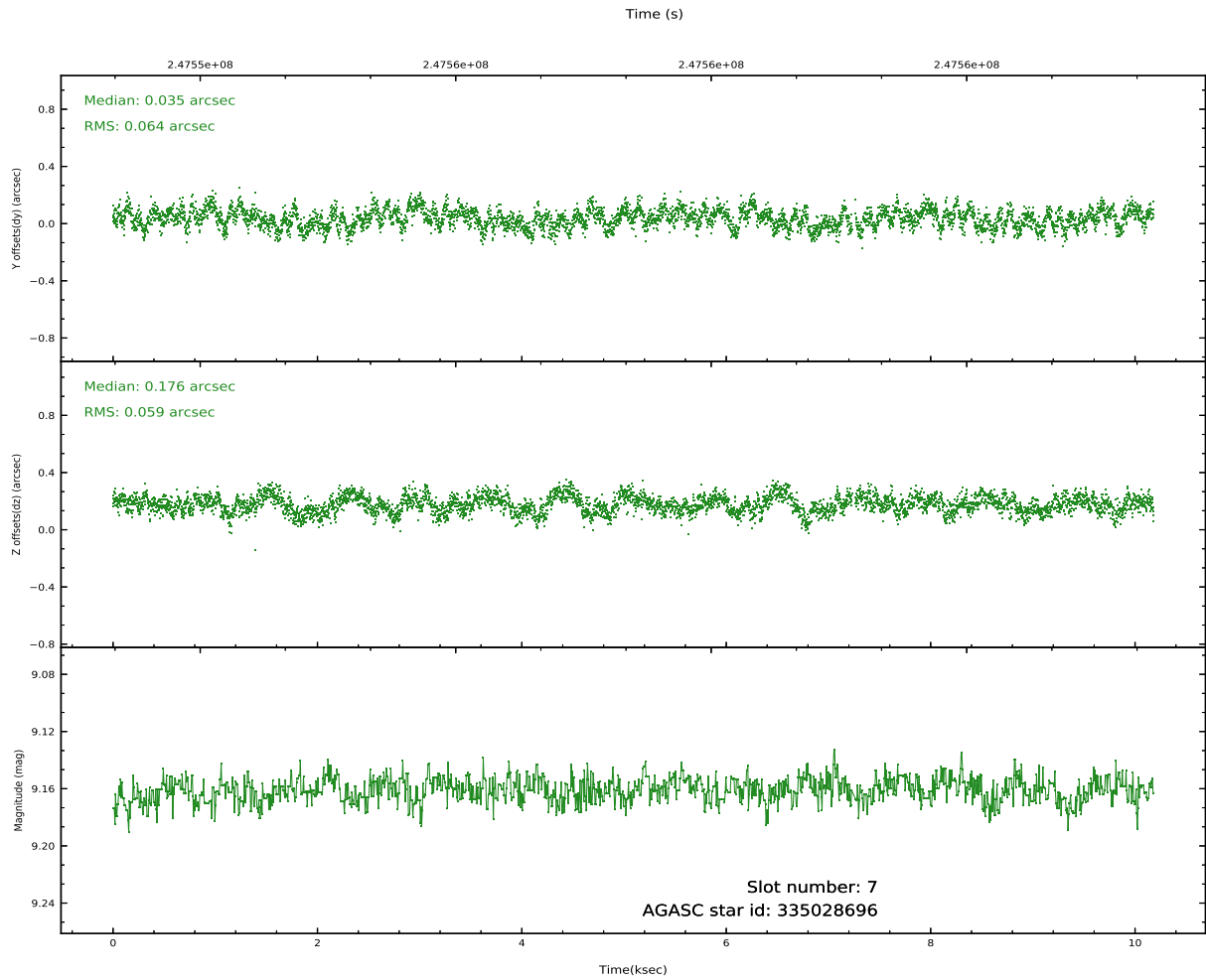
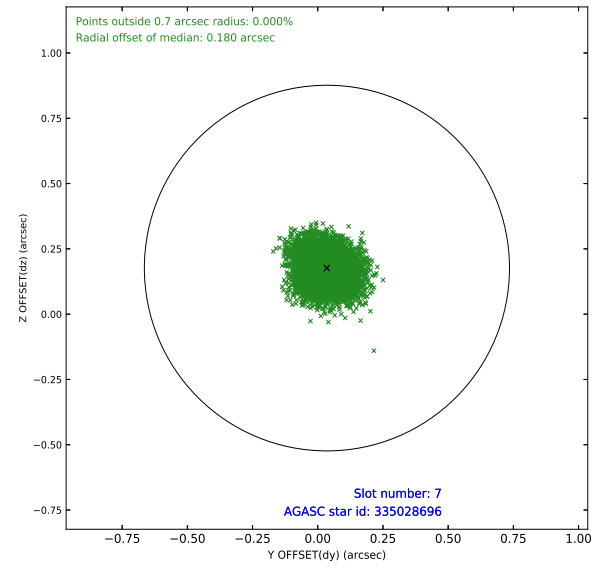
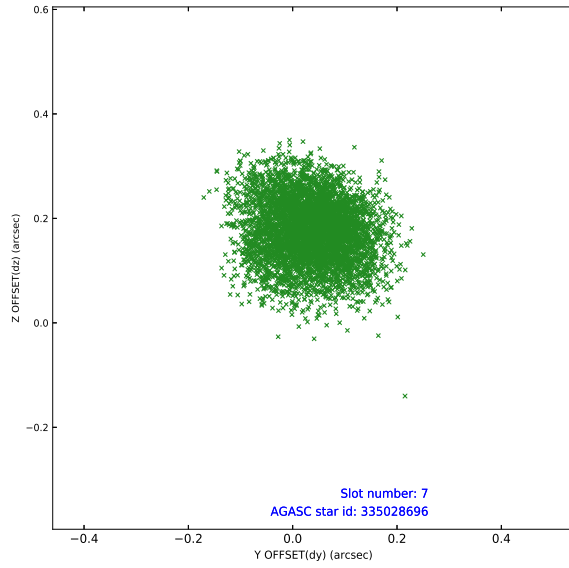
2.4.3 Slot 5



2.4.4 Slot 6

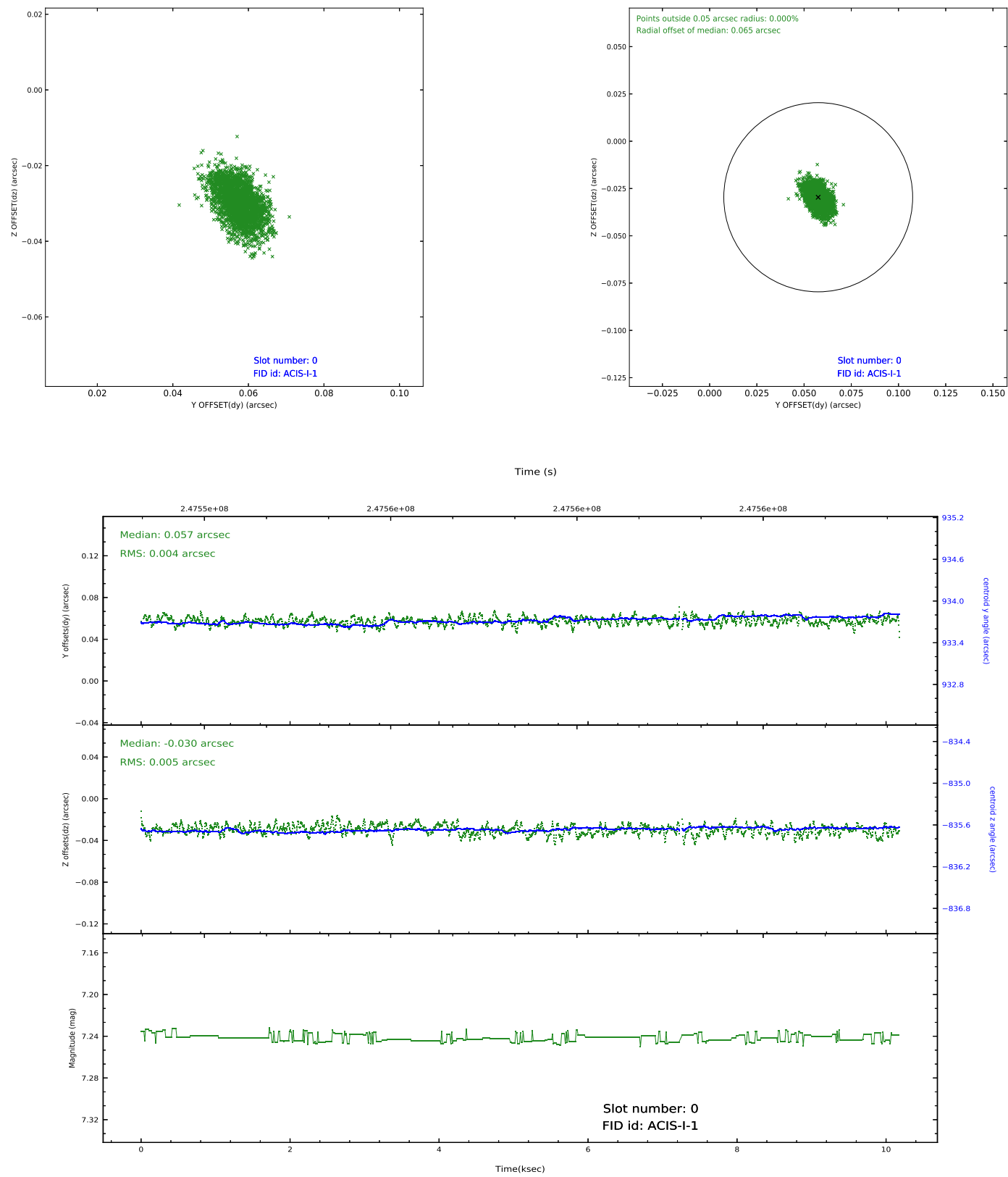


2.4.5 Slot 7

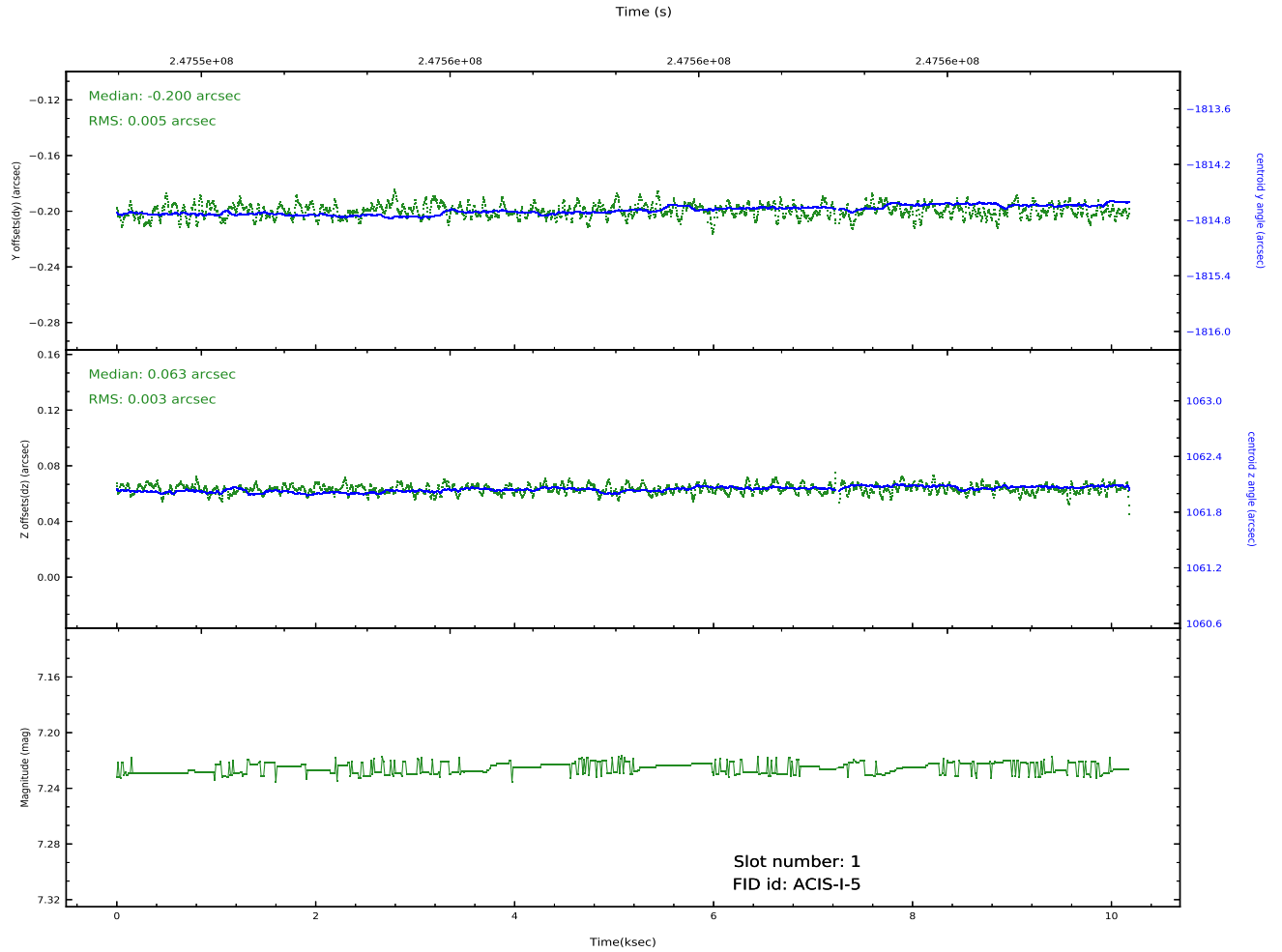
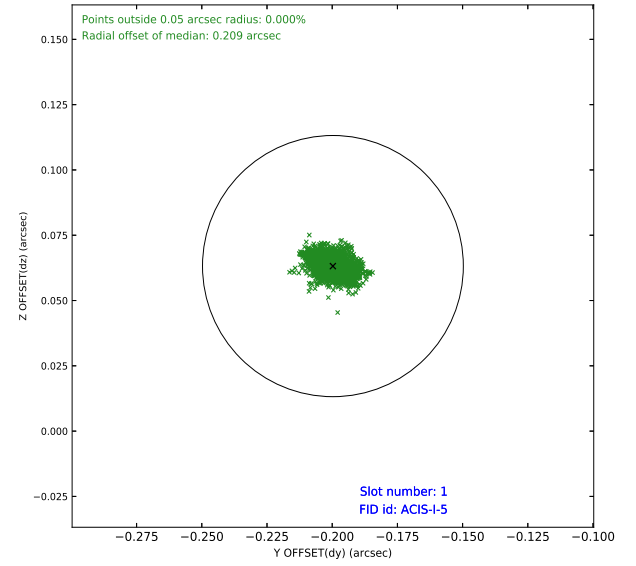
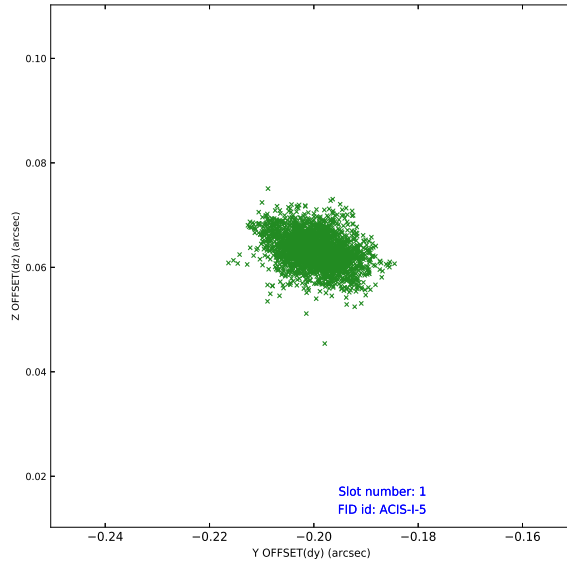


2.5 FID Slots

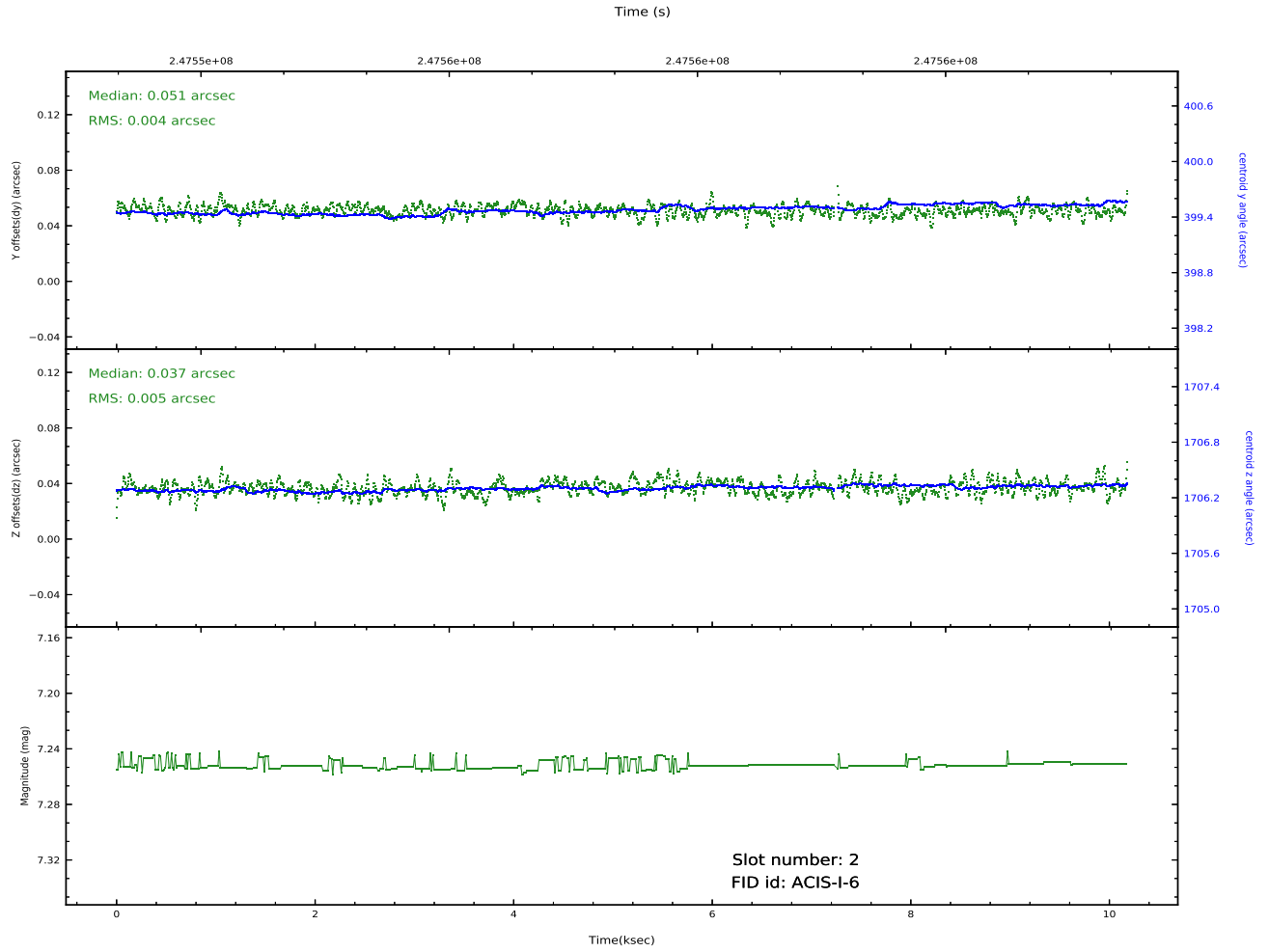
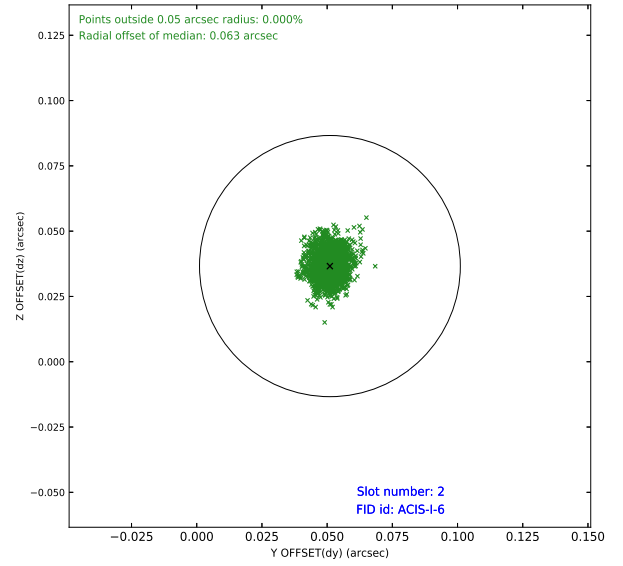
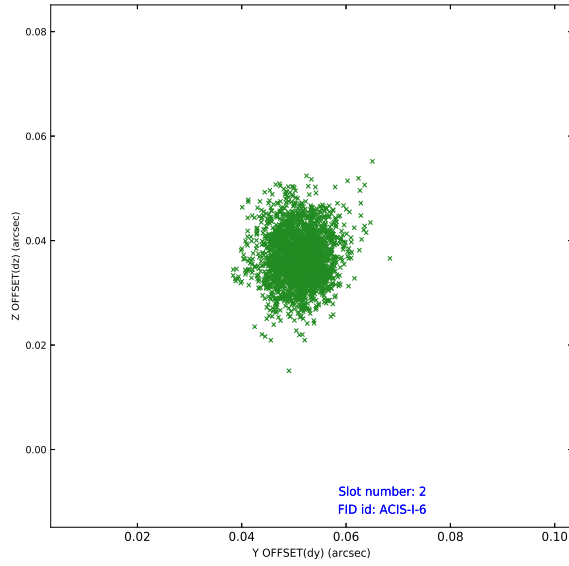
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.706059

A.2 Comments