

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 19667 - L2 Version 2
Chandra X-Ray Center

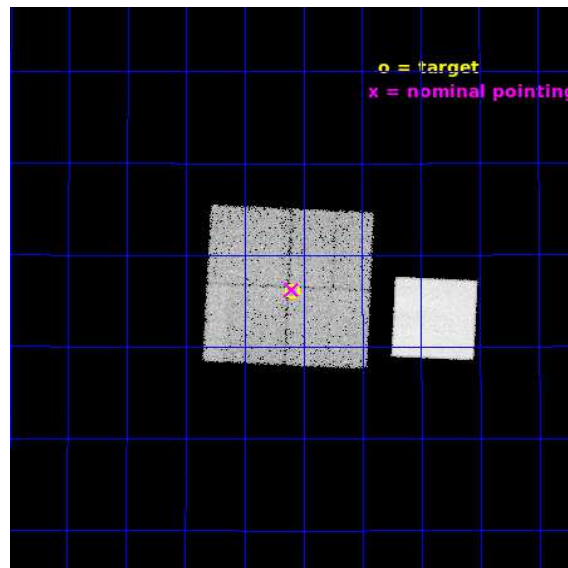
L2 Processing Date : Oct 24 2020

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1 Front

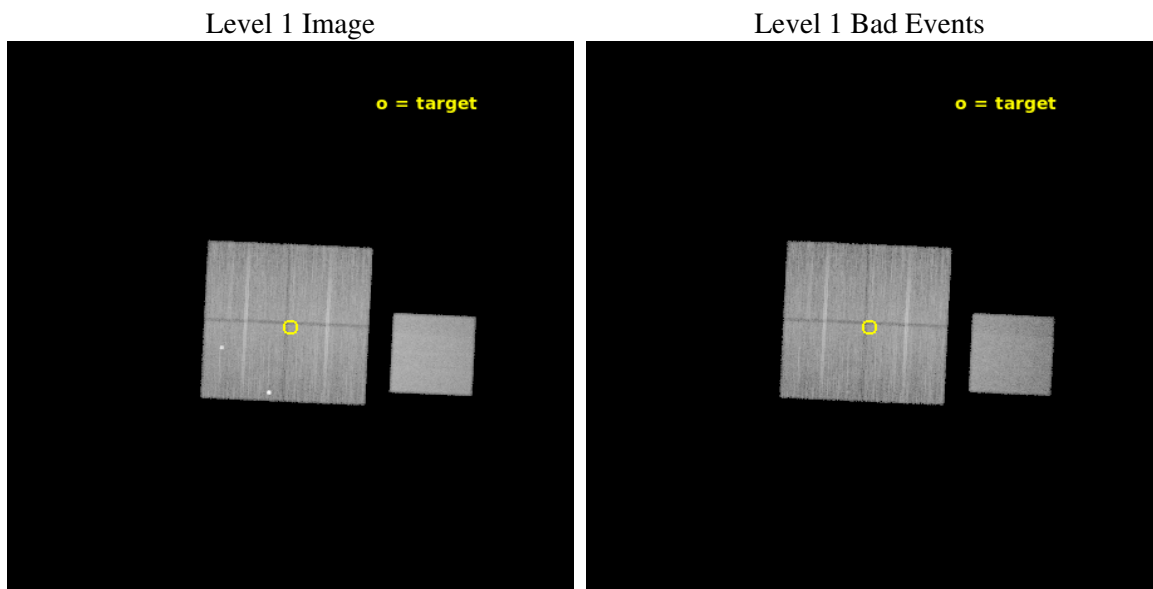
seq_num	901374	Sequence number
obs_id	19667	Observation id
title	The Chandra Deep Wide-Field Survey: Completing the new generation of Chandra extragalactic surveys	Proposal title
observer	Ryan Hickox	Principal investigator
object	Xbootes (CDWFS)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.89768	Observer's specified target RA [deg]
dec_targ	34.934124	Observer's specified target Dec [deg]
ra_nom	217.89932401596	Nominal RA [deg]
dec_nom	34.937436645418	Nominal Dec [deg]
roll_nom	92.703435406466	Nominal Roll [deg]
revision	2	Processing version of data
ontime	23057.680251598	Sum of GTIs [s]
livetime	22756.414684294	Livetime [s]
ontime0	23057.557131529	Sum of GTIs [s]
ontime1	23057.598171592	Sum of GTIs [s]
ontime2	23057.639211535	Sum of GTIs [s]
ontime3	23057.680251598	Sum of GTIs [s]
ontime7	23057.721291542	Sum of GTIs [s]
l2events	154483	Number of level 2 events



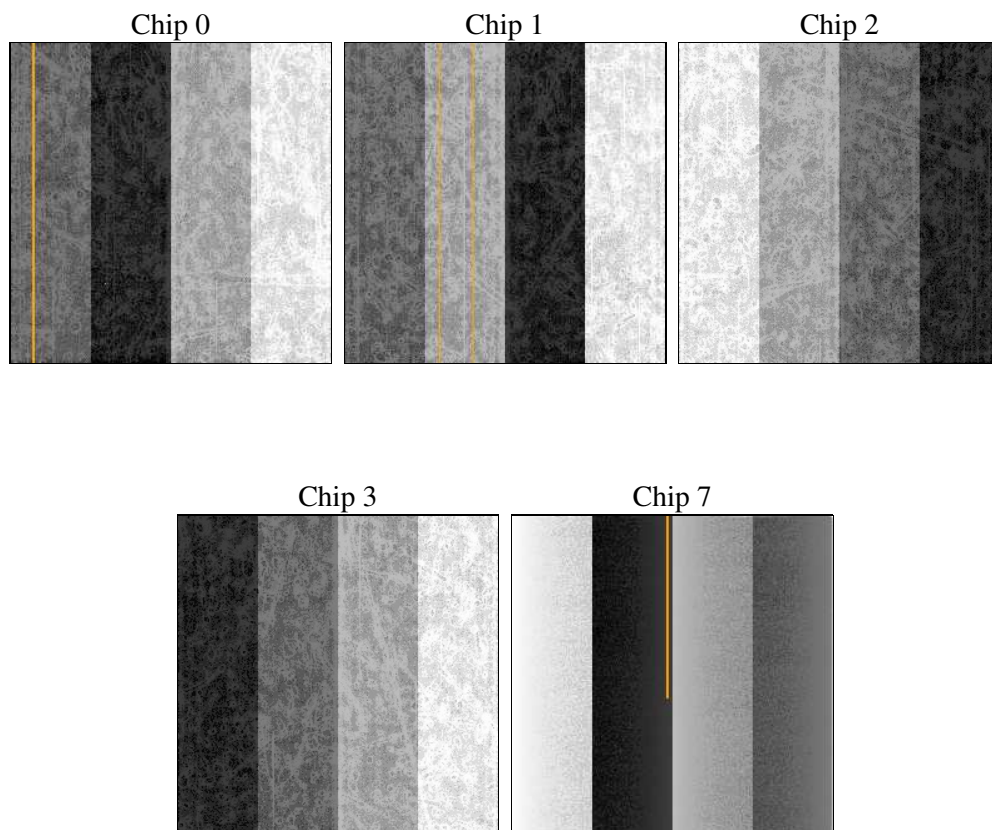
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	23057.680251598	Sum of GTIs [s]
caldbver	4.9.3	 	ontime0	23057.557131529	Sum of GTIs [s]
date	2020-10-24T17:44:27	Date and time of file creation	ontime1	23057.598171592	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	23057.639211535	Sum of GTIs [s]
			ontime3	23057.680251598	Sum of GTIs [s]
			ontime7	23057.721291542	Sum of GTIs [s]
			l1events	881311	Number of level 1 events

2.1.4 Events

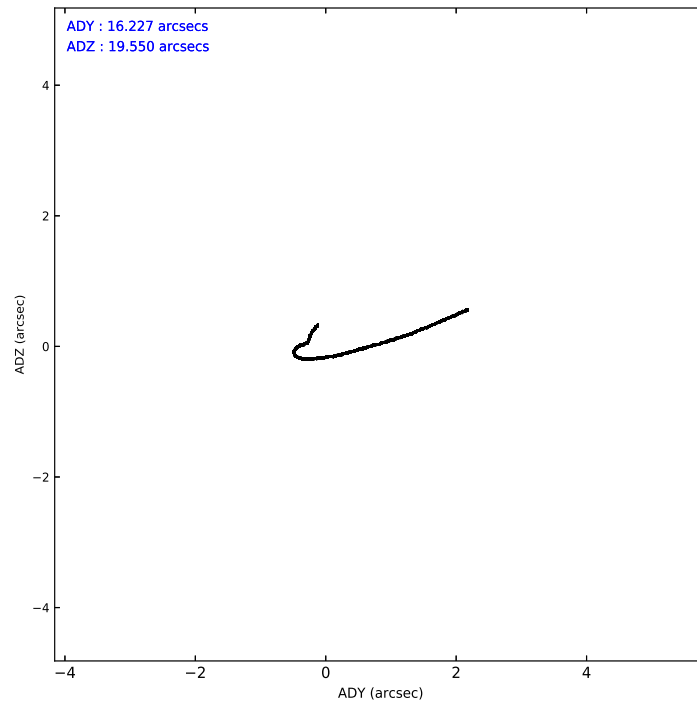
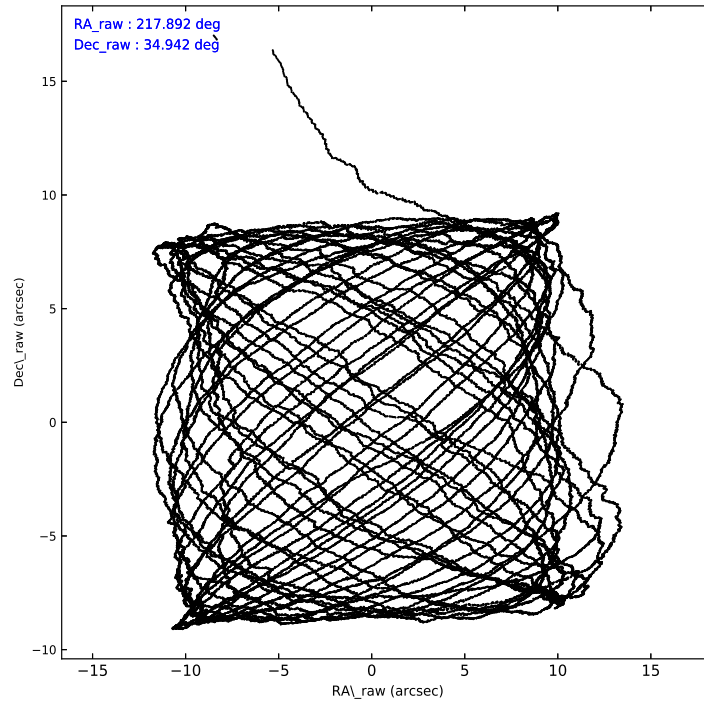
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	158261	165047	172687	165792	219524
rejected events	139070	134286	154368	148239	124633
rejected %	87%	81%	89%	89%	56%

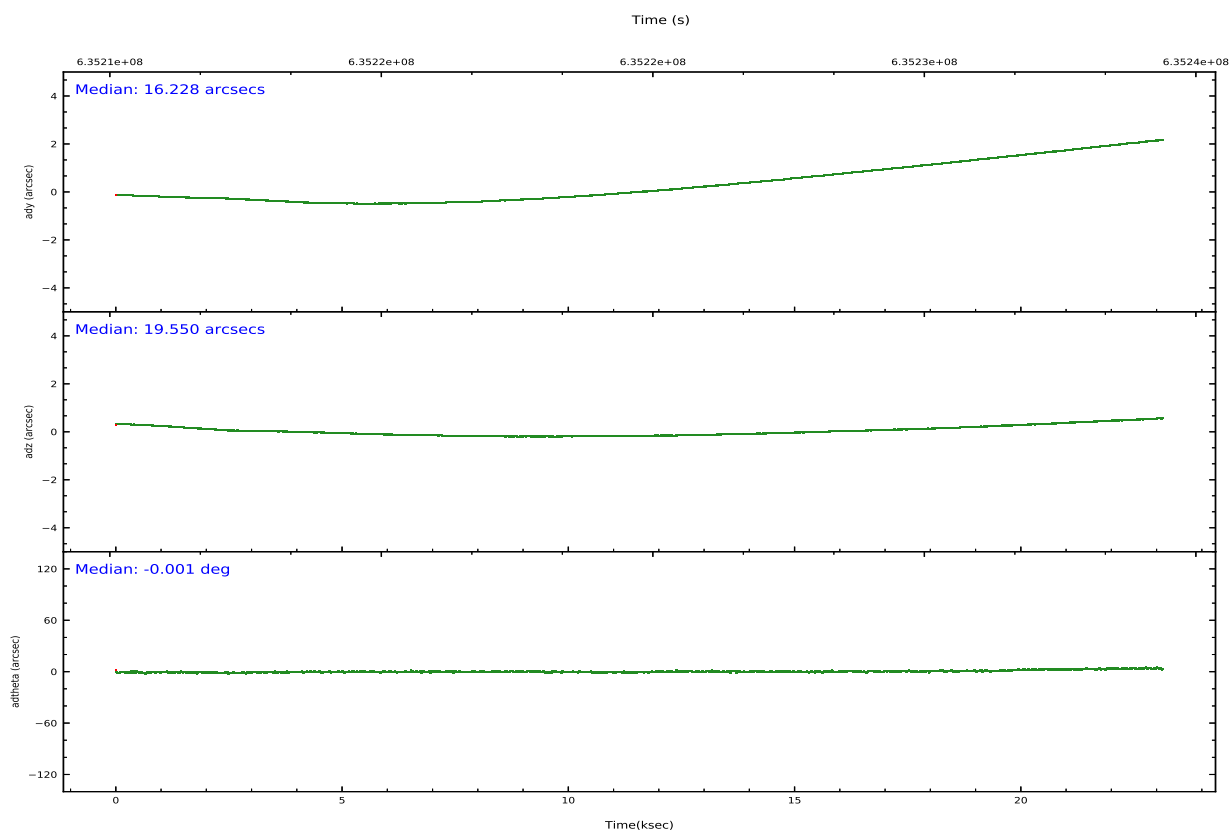
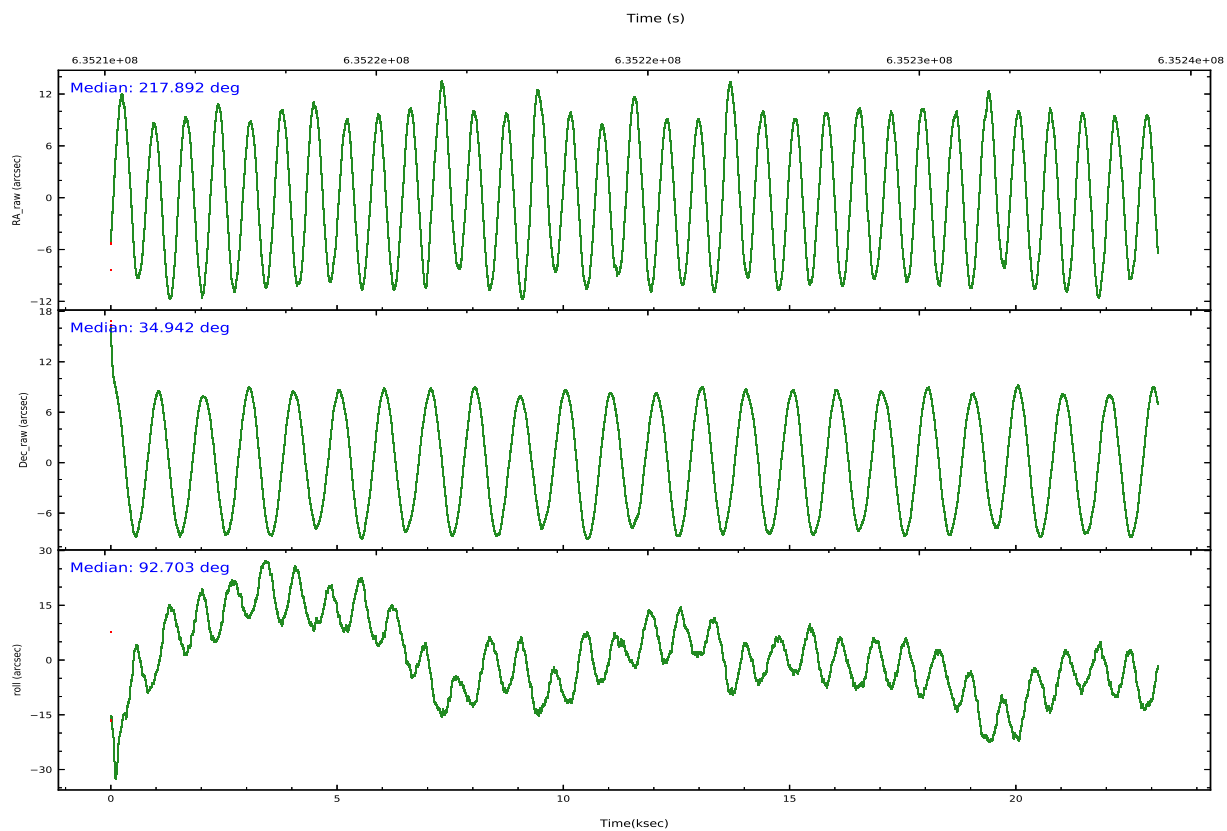
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6406	9879	6401	6171	7923
	4%	5%	3%	3%	3%
grade 1 events	112	129	83	90	332
	0%	0%	0%	0%	0%
grade 2 events	4862	12322	4493	3886	20010
	3%	7%	2%	2%	9%
grade 3 events	1988	1942	1845	1916	7545
	1%	1%	1%	1%	3%
grade 4 events	1917	1940	1855	1842	7520
	1%	1%	1%	1%	3%
grade 5 events	7341	7350	6694	8071	22003
	4%	4%	3%	4%	10%
grade 6 events	4024	4682	3729	3742	51904
	2%	2%	2%	2%	23%
grade 7 events	131611	126803	147587	140074	102287
	83%	76%	85%	84%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	217.910494	217.89932401596	CCD I2 on	Y	Y
[deg] Pointing Dec	34.918795	34.937436645418	CCD I3 on	Y	Y
[deg] Pointing Roll	92.484663	92.703435406466	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	635212278.184000	635211395.20349	CCD S5 on	N	N
Observation start date	2018-02-16T23:50:09	2018-02-16T23:36:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	635235278.184000	635235974.70494	On-chip summing requested	N	N
Observation end date	2018-02-17T06:13:29	2018-02-17T06:26:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



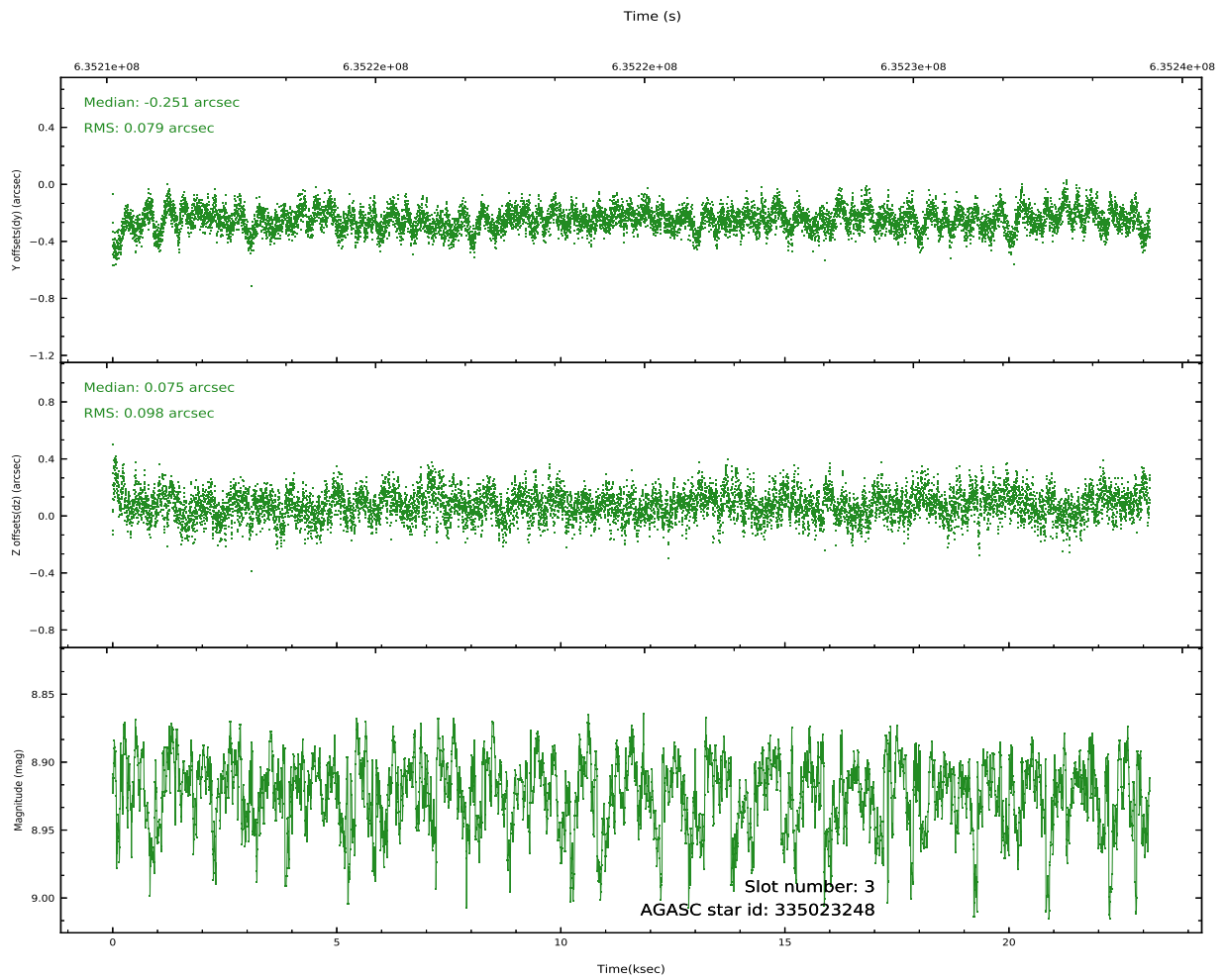
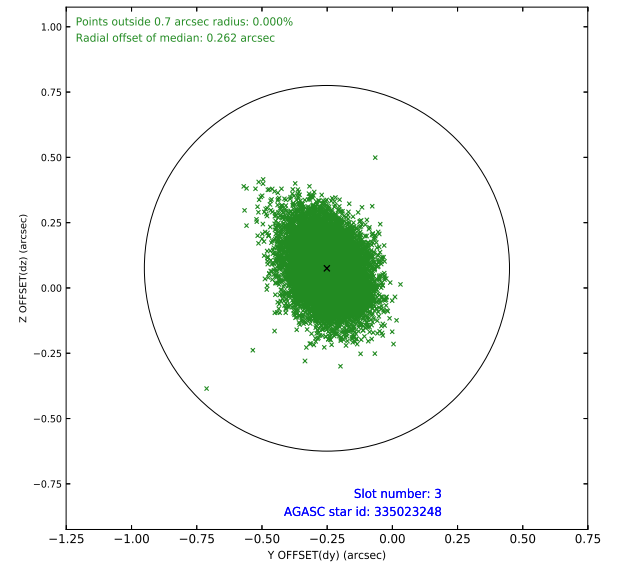
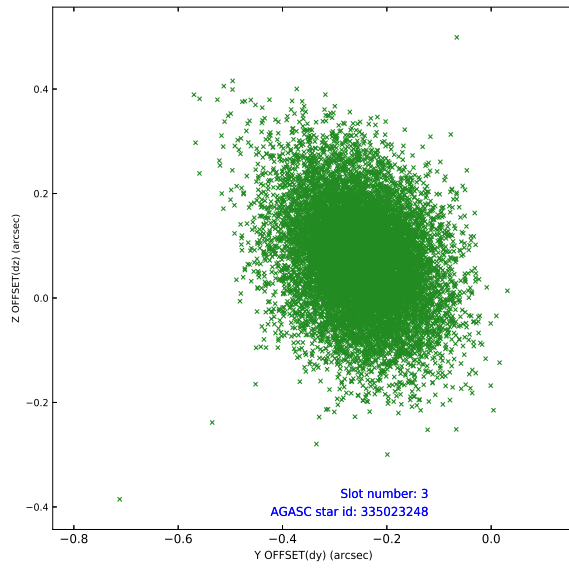


Slot Statistics

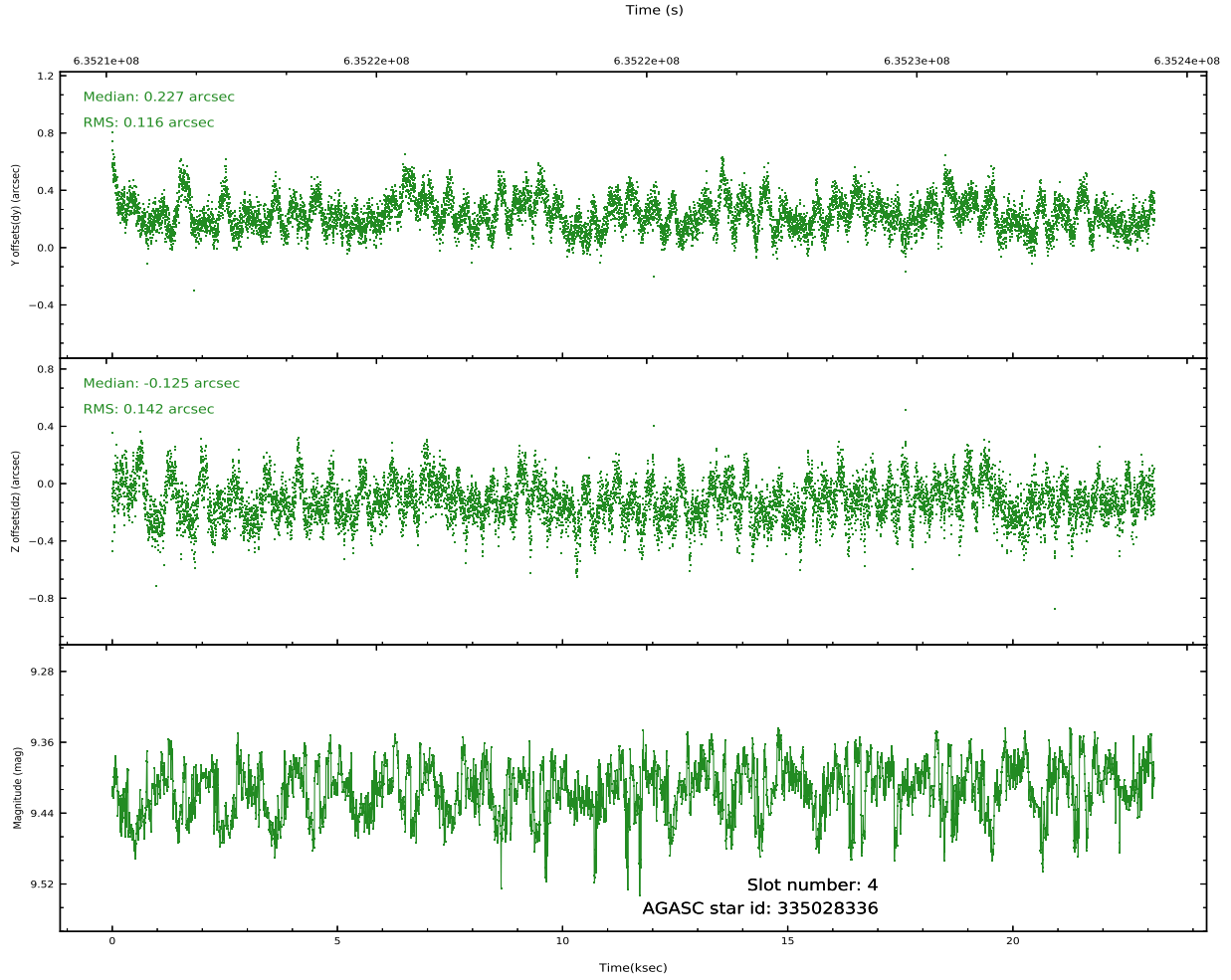
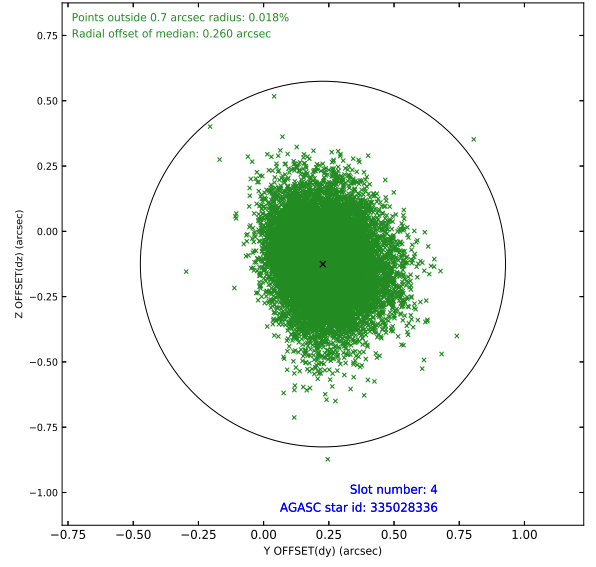
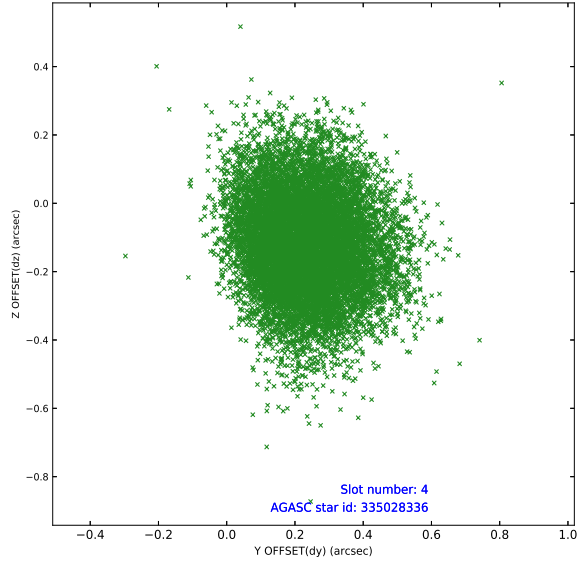
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.12	5646	1.000	0.124	-0.136	0.014	0.021	0.000000	0.000000	922.93	-843
1	FID		ACIS-I-2	7.02	5644	1.000	0.046	0.027	0.022	0.030	0.000000	0.000000	-771.16	-849
2	FID		ACIS-I-5	7.10	5645	1.000	-0.261	0.183	0.019	0.032	0.000000	0.000000	-1825.75	1054
3	GUIDE	used	335023248	8.92	11282	1.000	-0.251	0.075	0.131	0.221	217.634832	34.944512	129.16	808
4	GUIDE	used	335028336	9.41	11279	1.000	0.227	-0.125	0.195	0.316	217.189840	34.665629	-809.92	2170
5	GUIDE	used	335415168	9.72	11269	1.000	0.190	-0.099	0.232	0.366	217.681296	35.301767	1408.24	615
6	GUIDE	used	335417968	9.32	11268	1.000	-0.198	0.098	0.186	0.296	217.358149	35.055285	566.18	1605
7	GUIDE	used	335422272	9.44	11275	1.000	0.036	0.043	0.180	0.295	217.586135	35.522660	2215.71	855

2.4 Star Slots

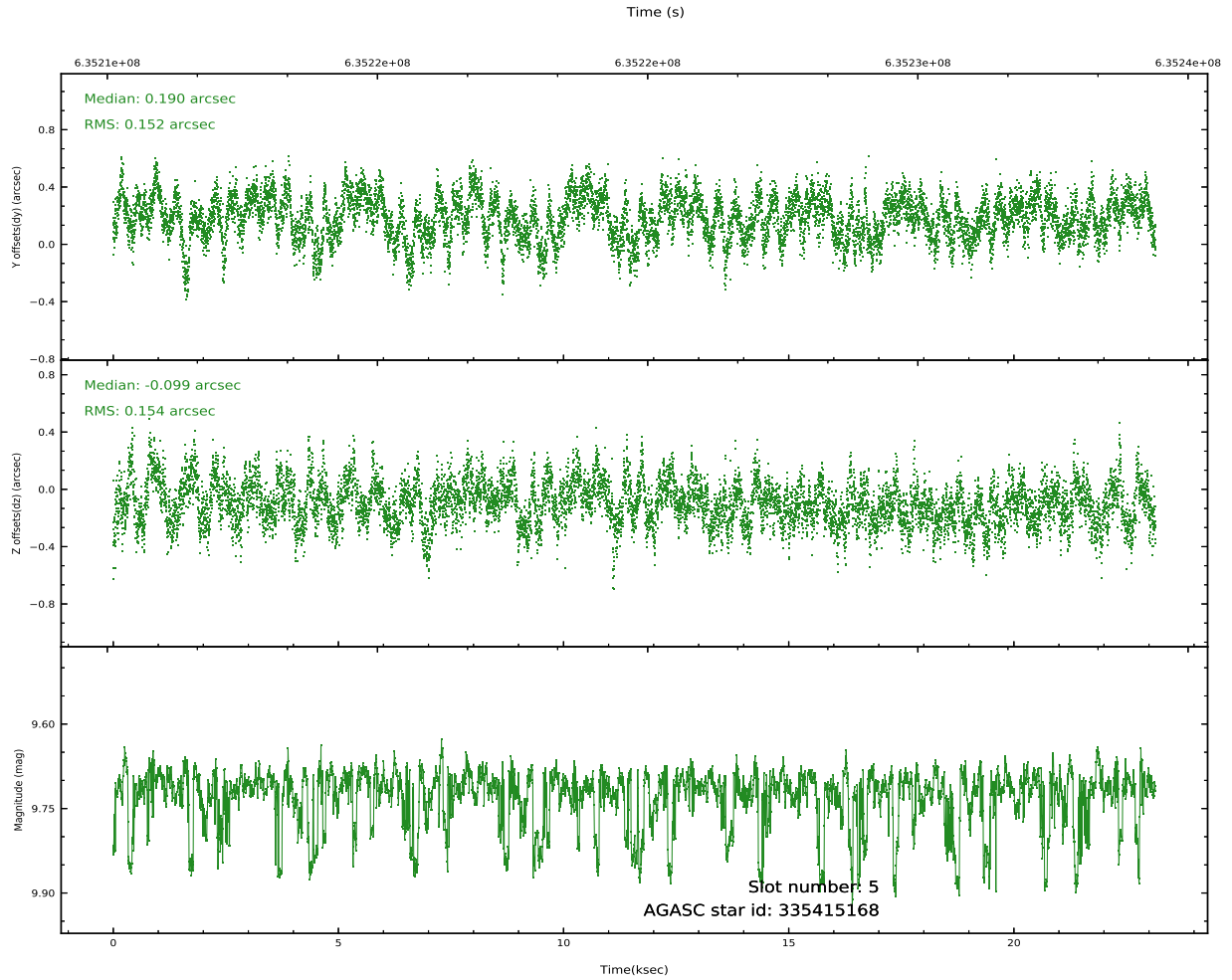
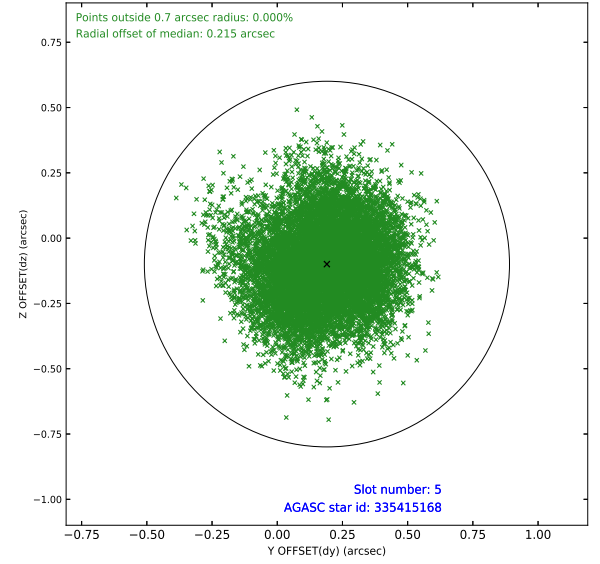
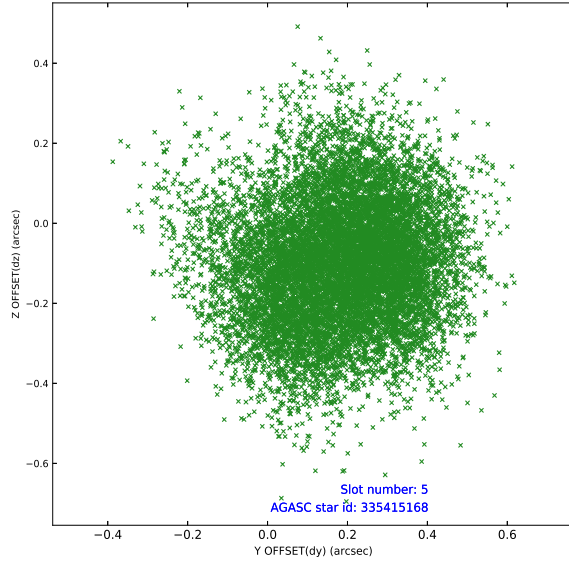
2.4.1 Slot 3



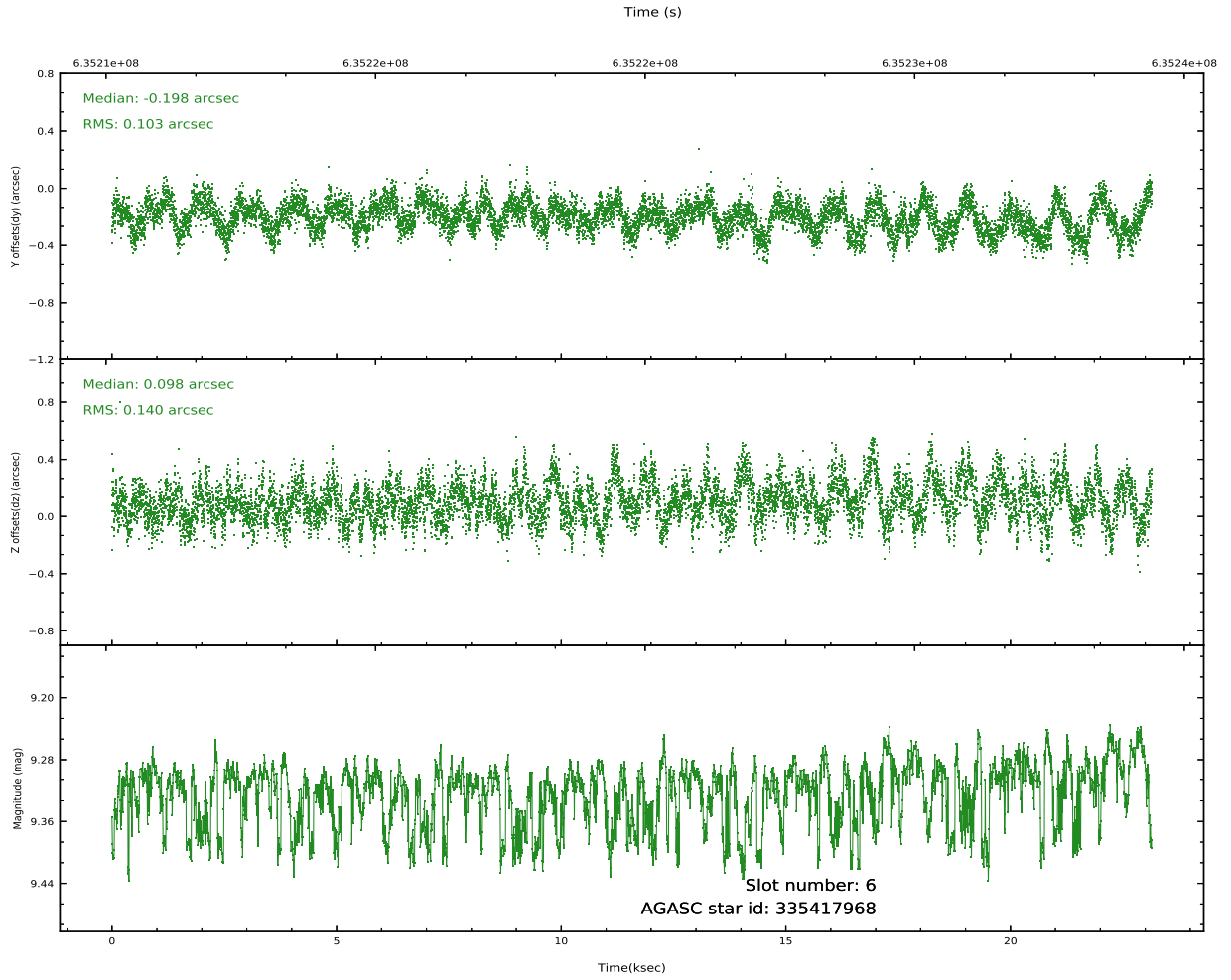
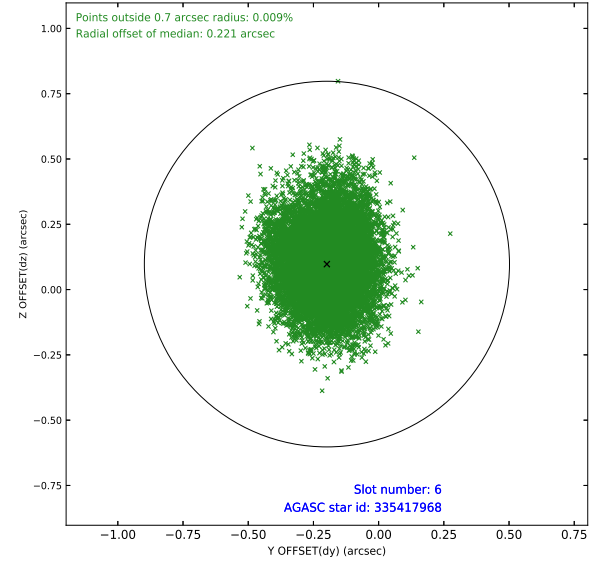
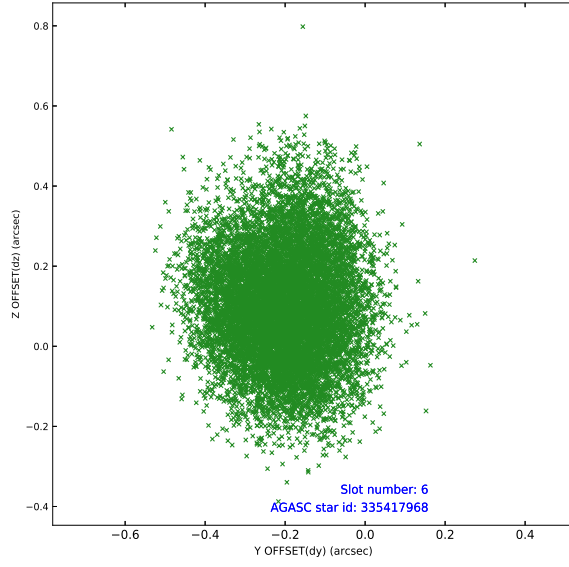
2.4.2 Slot 4



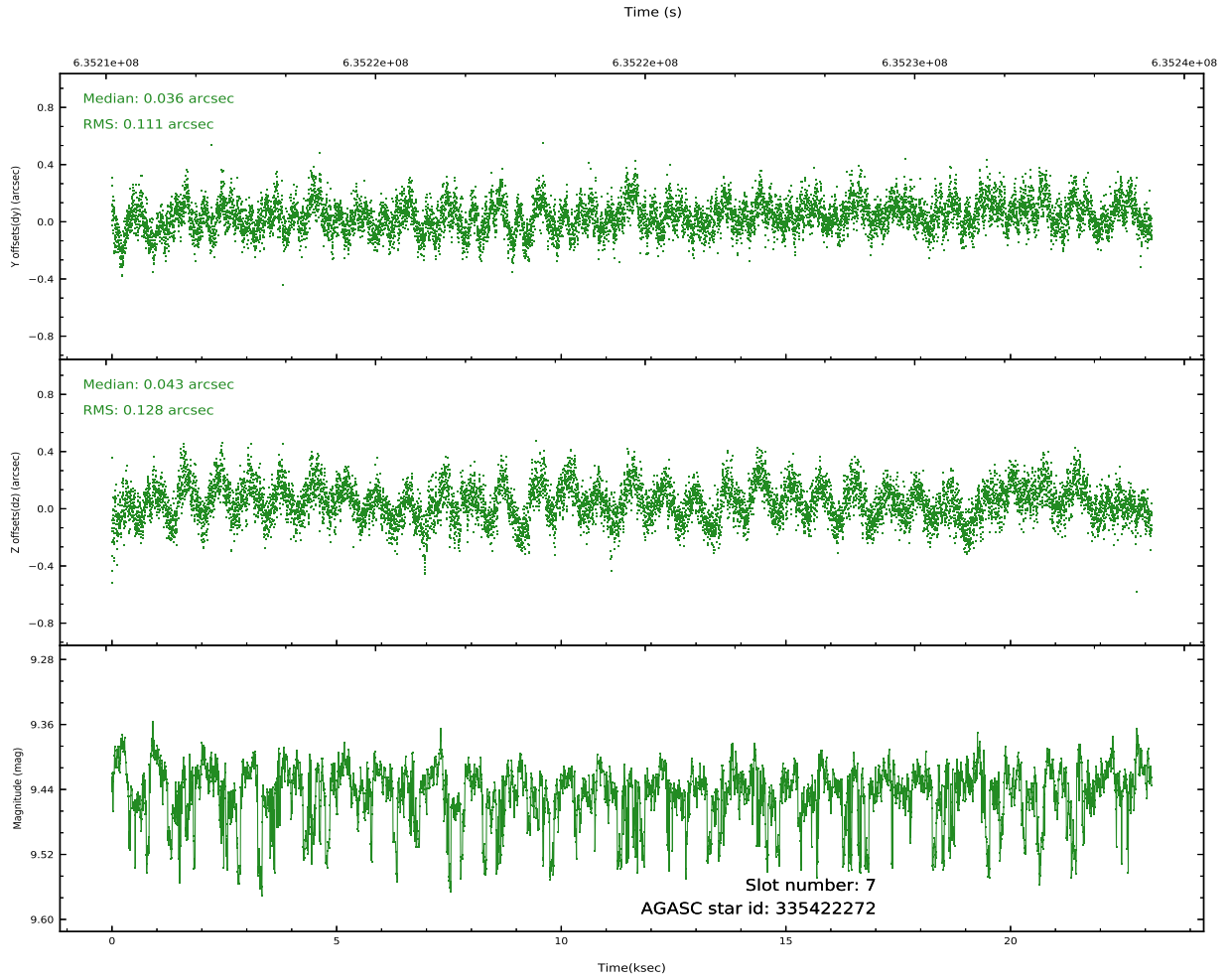
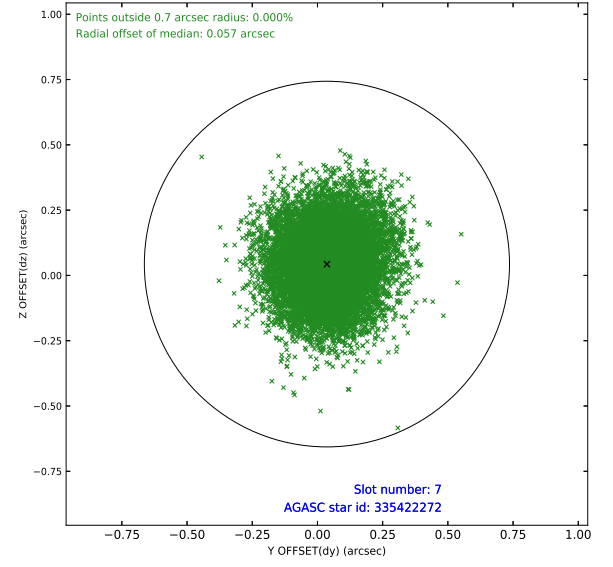
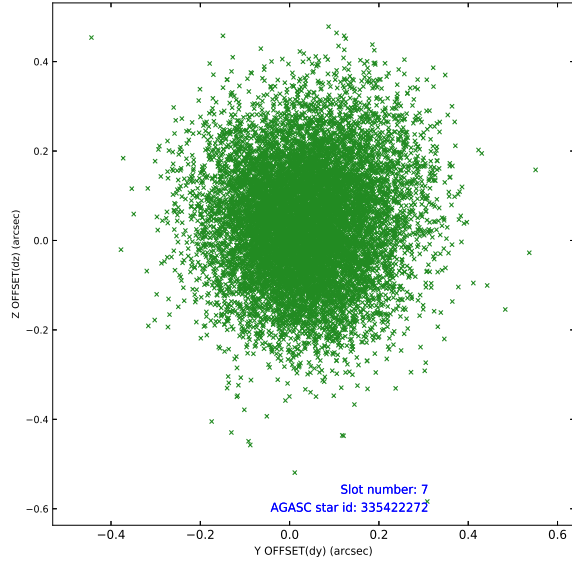
2.4.3 Slot 5



2.4.4 Slot 6

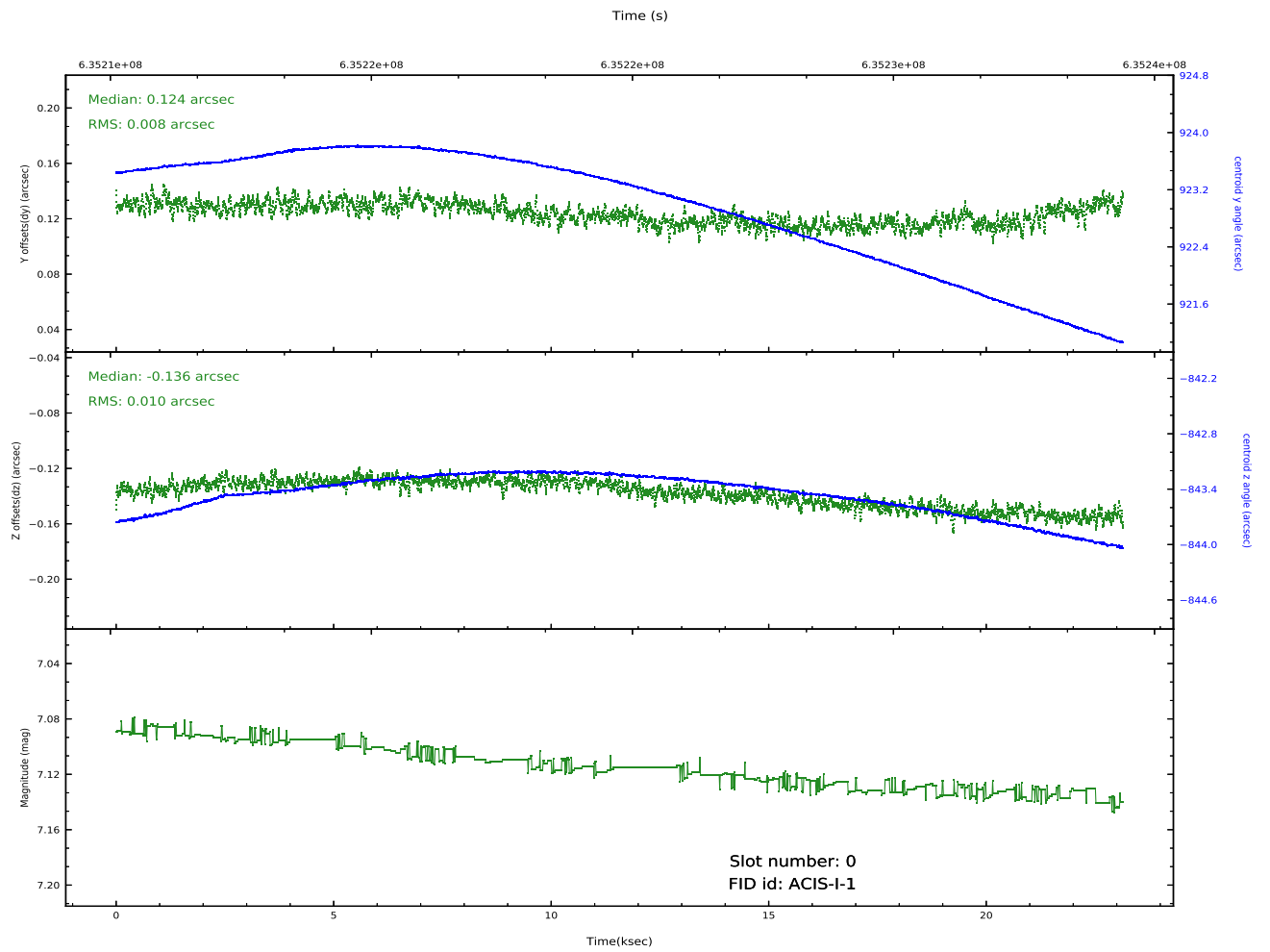
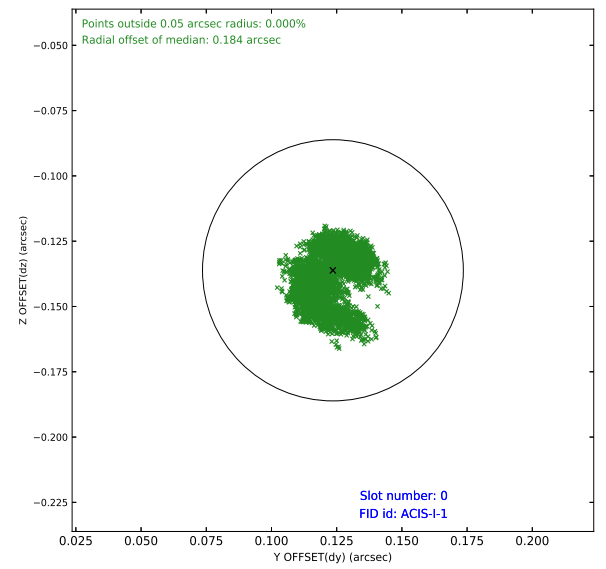
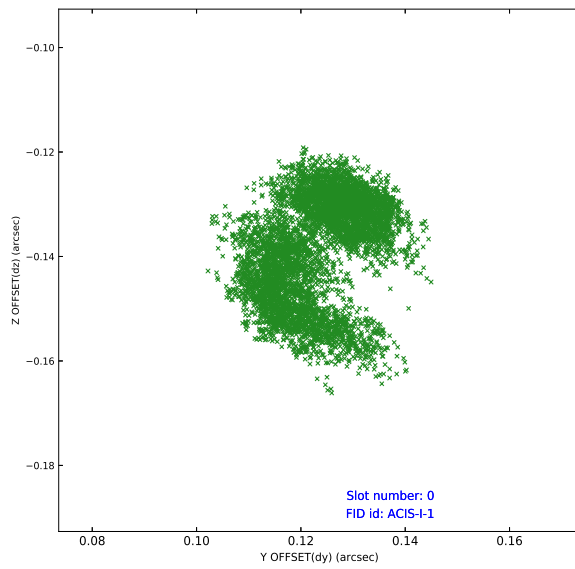


2.4.5 Slot 7

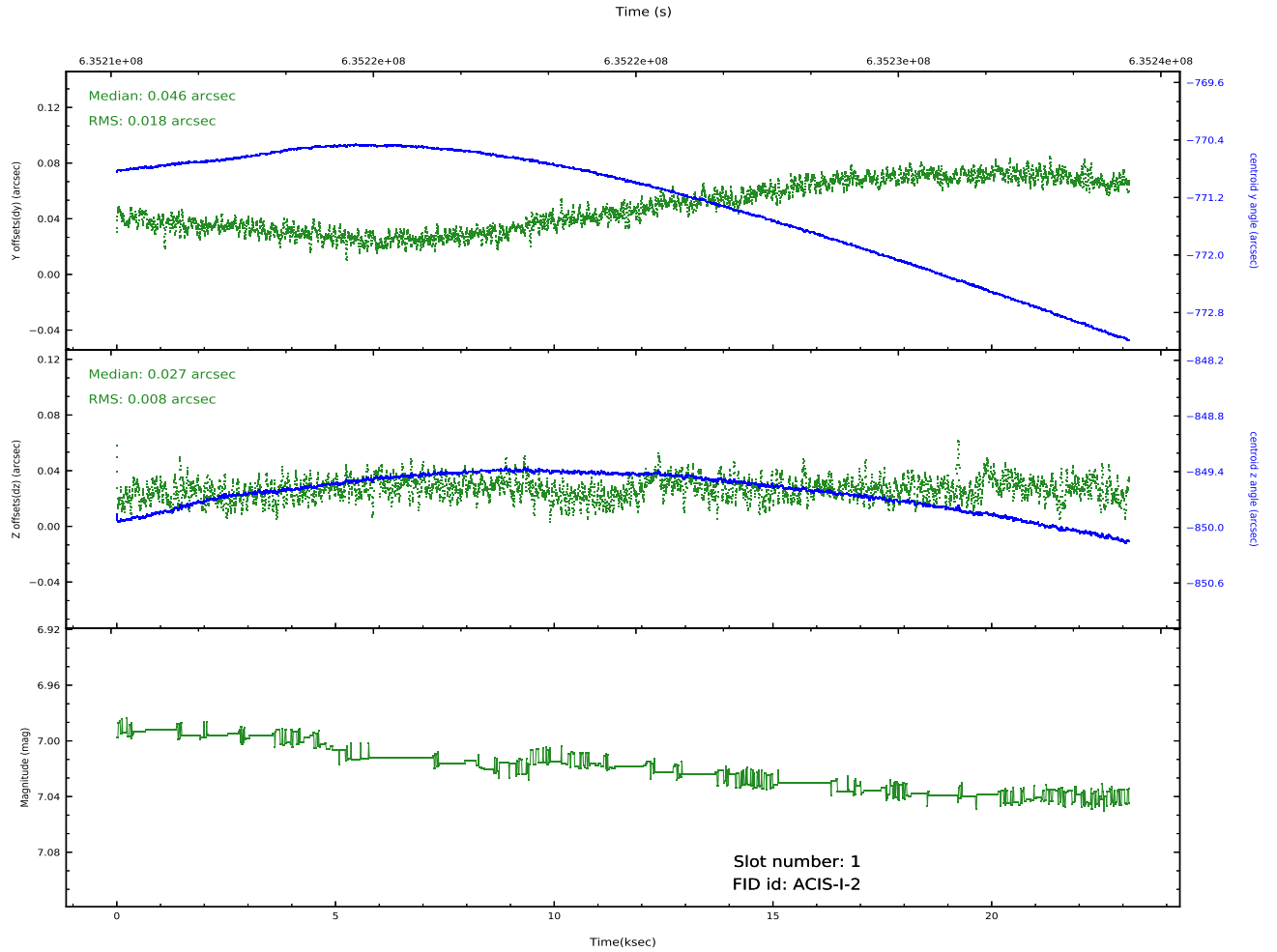
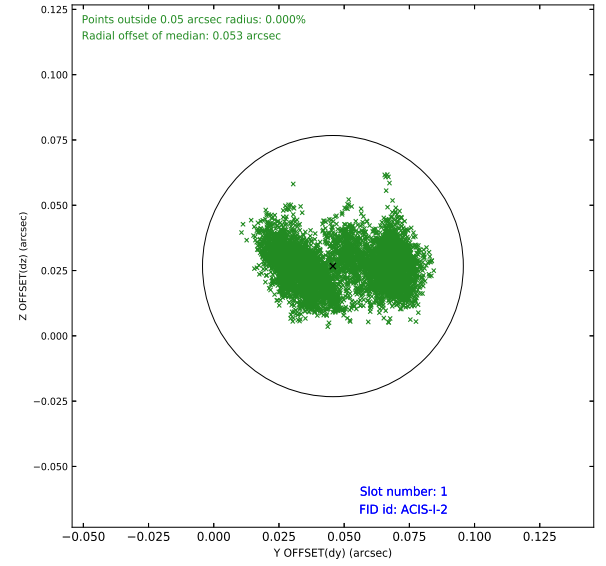
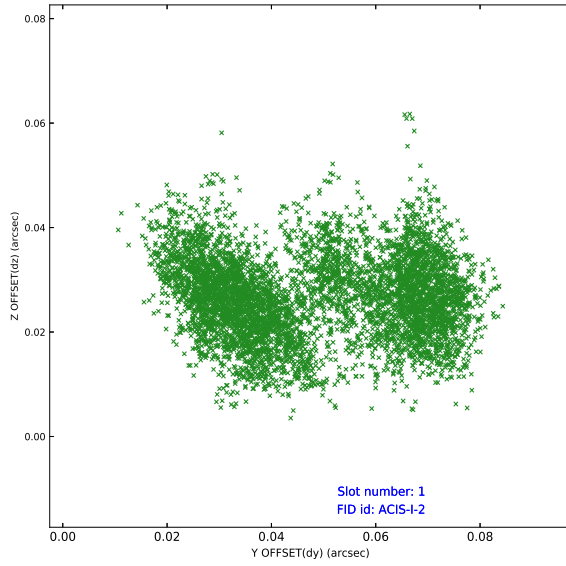


2.5 FID Slots

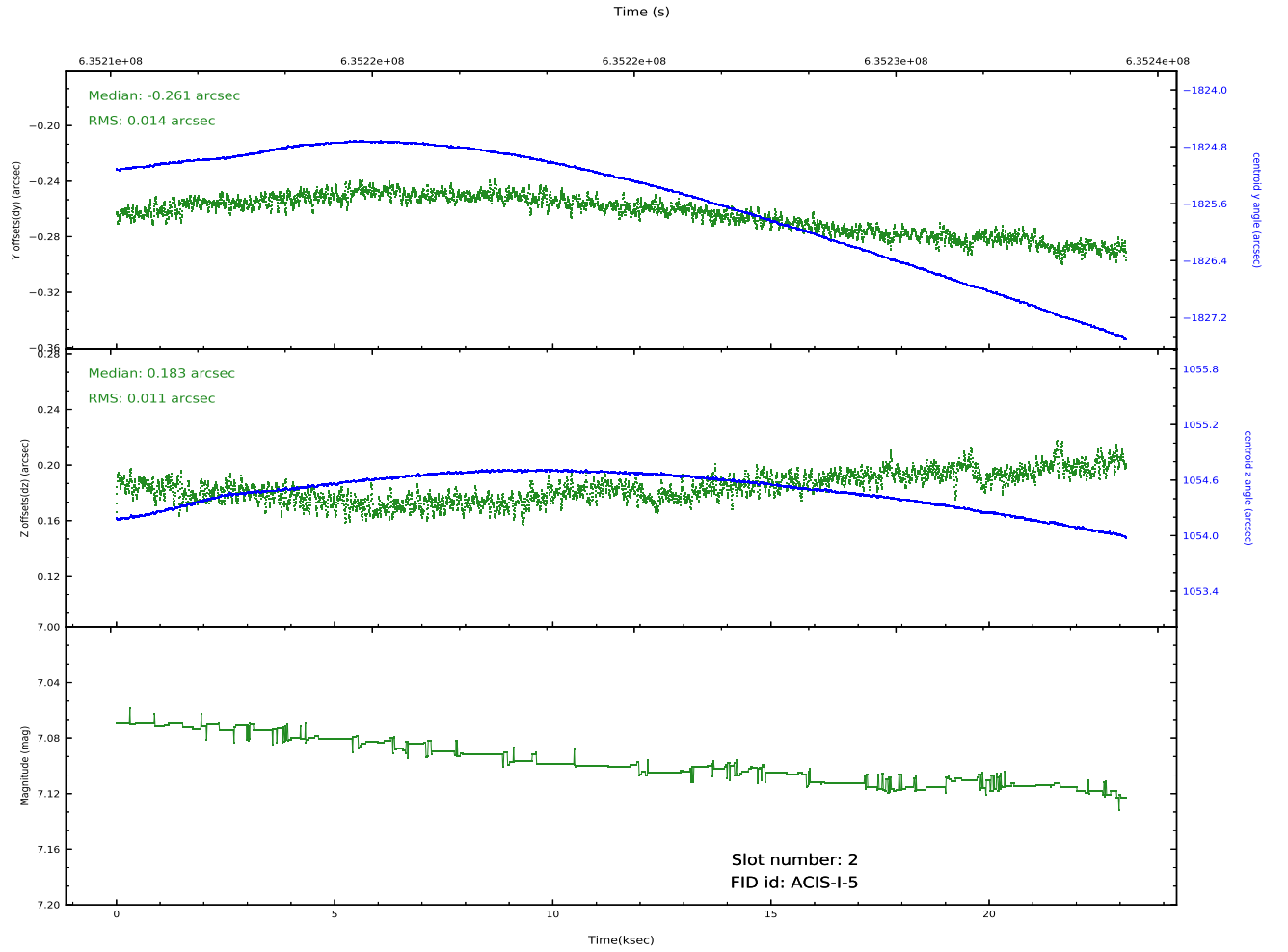
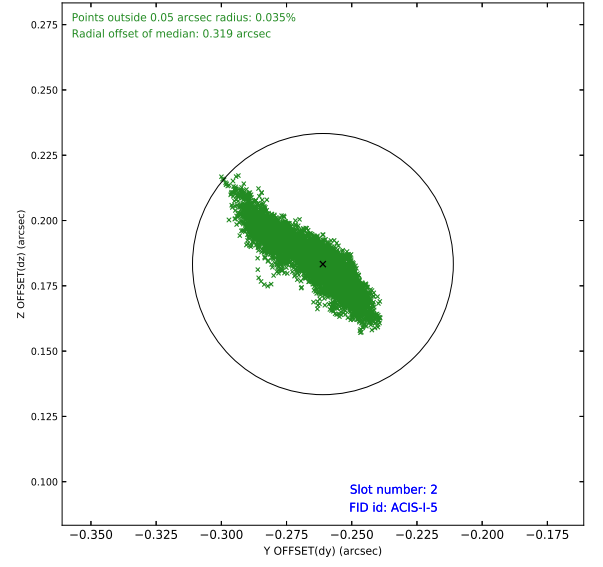
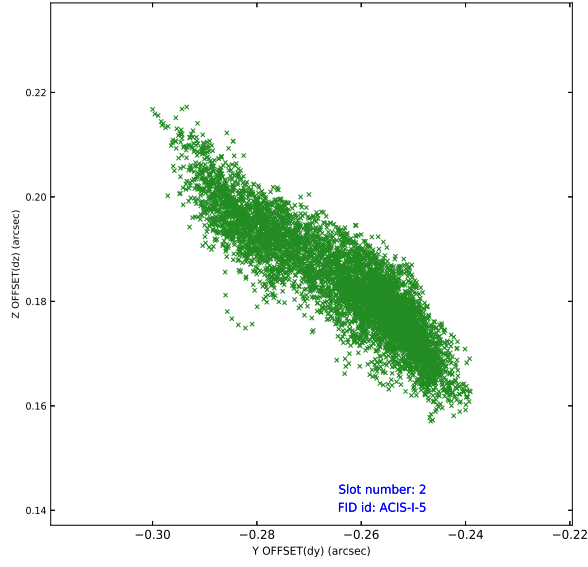
2.5.1 Slot 0



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)	2020.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.057680253744

A.2 Comments