

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6888 - L2 Version 3
Chandra X-Ray Center

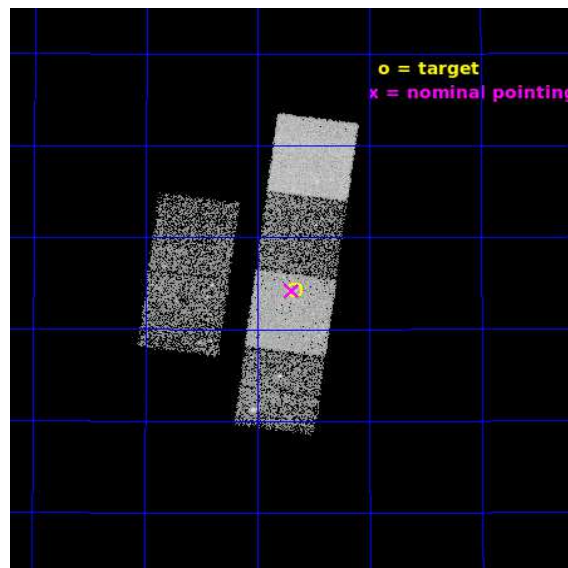
L2 Processing Date : Oct 11 2020

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1 Front

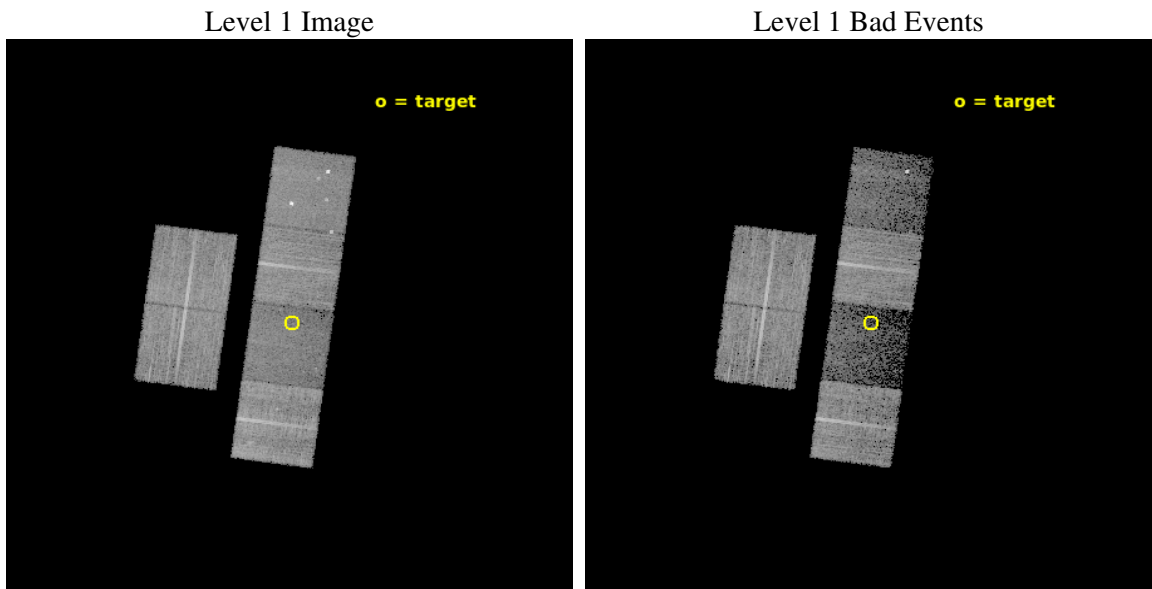
seq_num	701305	Sequence number
obs_id	6888	Observation id
title	A Uniform Chandra Survey of the Brightest and Most Extreme SDSS BALQSOs	Proposal title
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J073739.96+384413.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.416667	Observer's specified target RA [deg]
dec_targ	38.737028	Observer's specified target Dec [deg]
ra_nom	114.42295442052	Nominal RA [deg]
dec_nom	38.736871532576	Nominal Dec [deg]
roll_nom	97.690437501333	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10627.199960411	Sum of GTIs [s]
livetime	10492.63195558	Livetime [s]
ontime2	10627.199960411	Sum of GTIs [s]
ontime3	10627.199960411	Sum of GTIs [s]
ontime5	10627.199960411	Sum of GTIs [s]
ontime6	10627.199960411	Sum of GTIs [s]
ontime7	10627.199960411	Sum of GTIs [s]
ontime8	10627.199960411	Sum of GTIs [s]
l2events	64657	Number of level 2 events



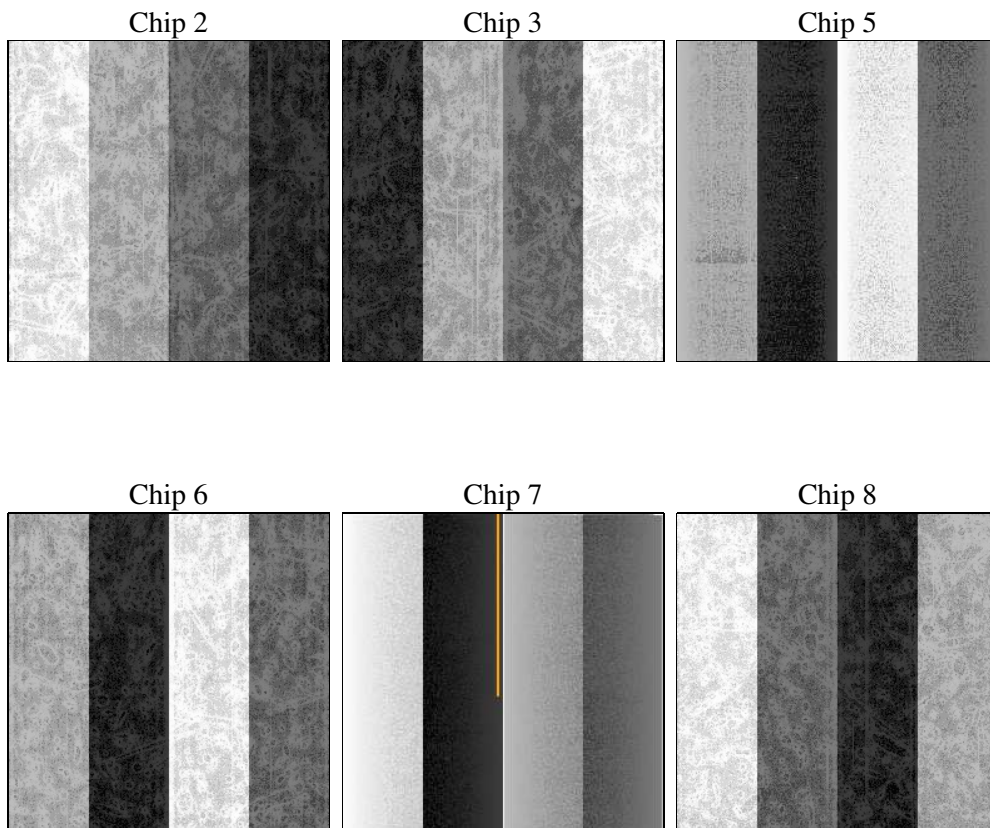
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10500.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10627.199960411	Sum of GTIs [s]
caldsver	4.9.2	 	ontime2	10627.199960411	Sum of GTIs [s]
date	2020-10-11T17:41:35	Date and time of file creation	ontime3	10627.199960411	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	10627.199960411	Sum of GTIs [s]
			ontime6	10627.199960411	Sum of GTIs [s]
			ontime7	10627.199960411	Sum of GTIs [s]
			ontime8	10627.199960411	Sum of GTIs [s]
			l1events	345510	Number of level 1 events

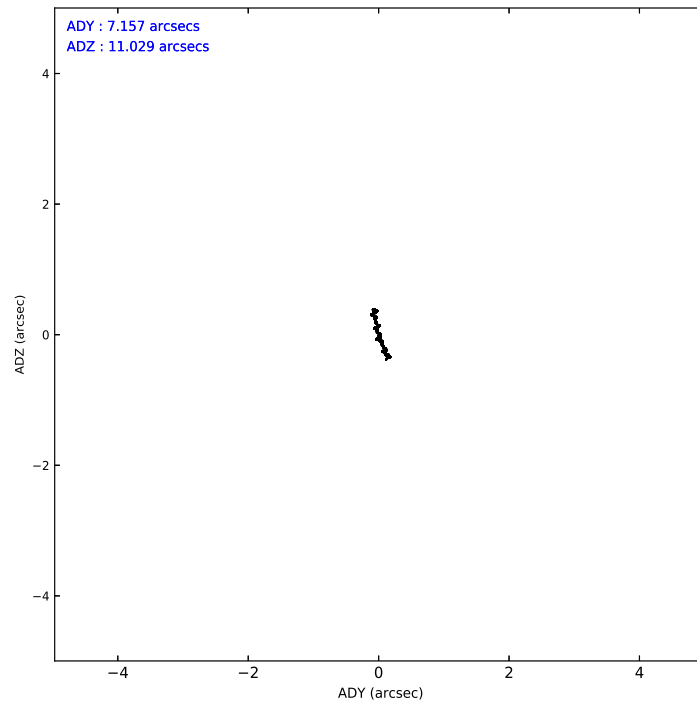
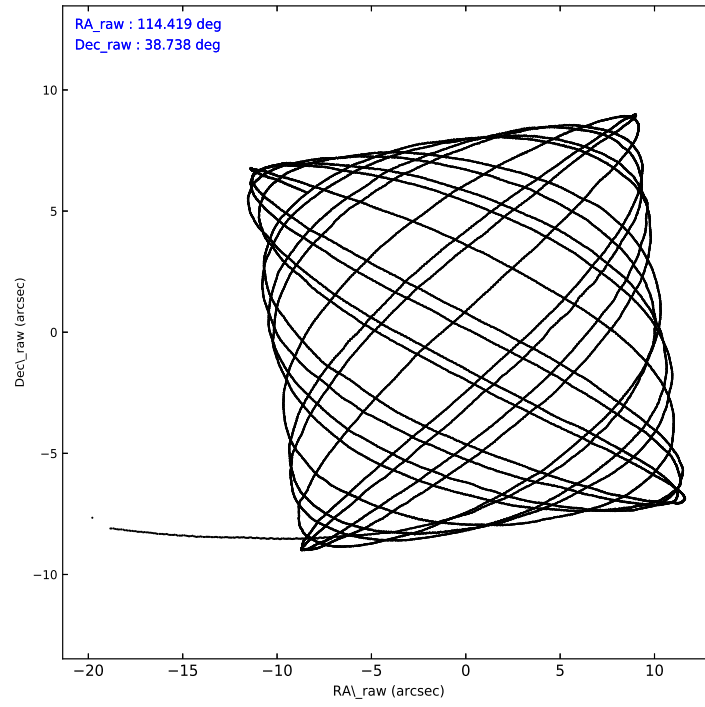
2.1.4 Events

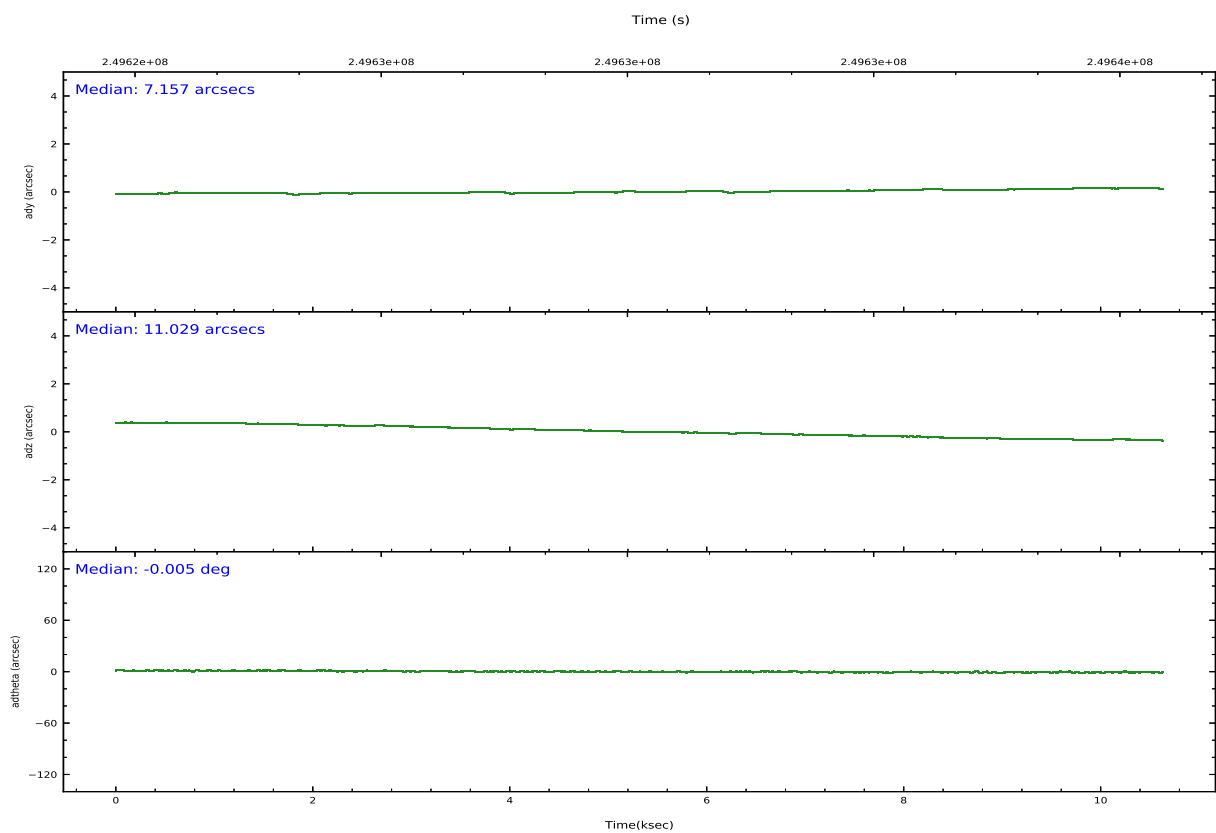
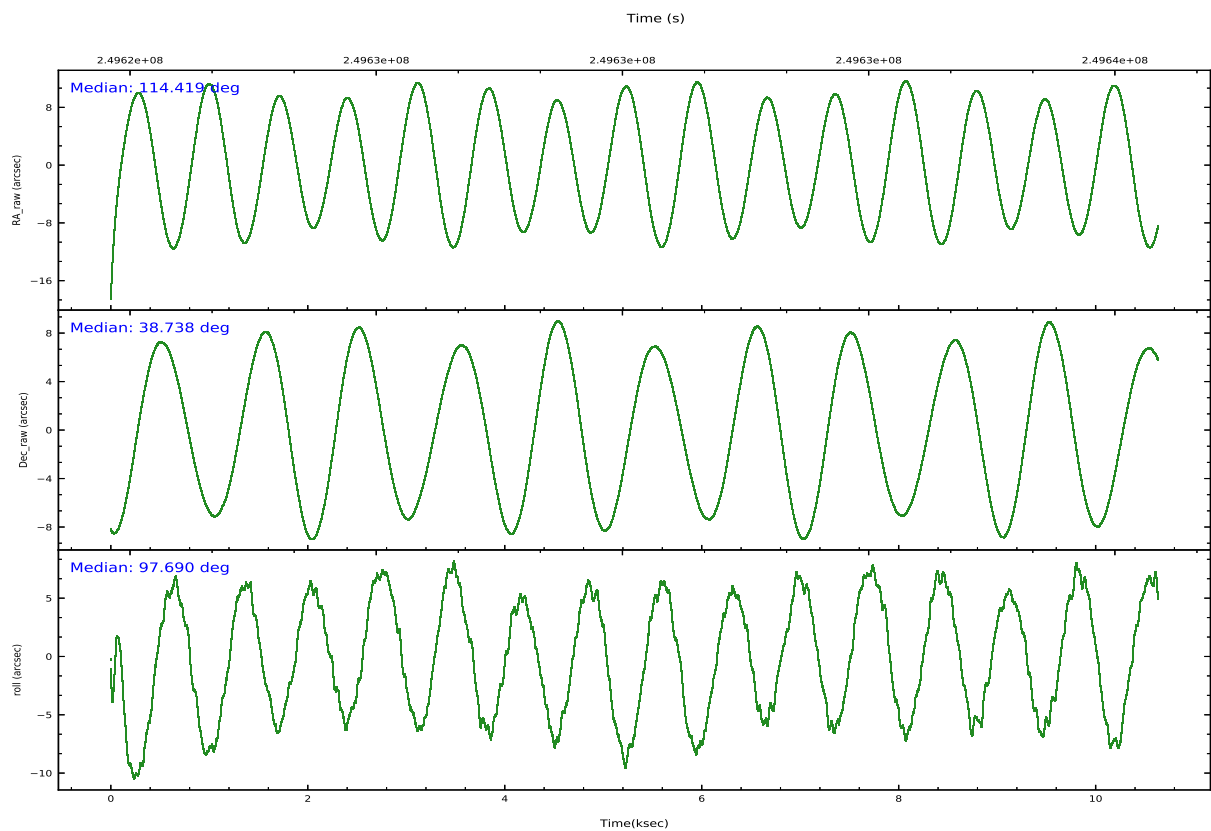
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	64180	60297	55651	59596	33891	71895	grade 0 events	2034	2004	6490	2240	2466	5458
rejected events	59064	55451	21332	54200	14427	53872		3%	3%	11%	3%	7%	7%
rejected %	92%	91%	38%	90%	42%	74%	grade 1 events	26	27	115	28	69	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1213	1006	10603	1128	4501	4005
								1%	1%	19%	1%	13%	5%
							grade 3 events	568	543	1777	607	2076	2012
								0%	0%	3%	1%	6%	2%
							grade 4 events	589	562	1706	582	2046	1875
								0%	0%	3%	0%	6%	2%
							grade 5 events	950	1114	4480	1124	3671	2000
								1%	1%	8%	1%	10%	2%
							grade 6 events	717	735	13801	846	8390	4727
								1%	1%	24%	1%	24%	6%
							grade 7 events	58083	54306	16679	53041	10672	51754
								90%	90%	29%	89%	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	114.440290	114.42295442052	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.717159	38.736871532576	Alternating exposures requested	N	N
[deg] Pointing Roll	97.519613	97.69043750133299	[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)	249624939.184000	249623888.64719			
Observation start date	2005-11-29T04:14:35	2005-11-29T03:58:08			
[s] Observation end time (MET)	249635439.184000	249636128.17276			
Observation end date	2005-11-29T07:09:35	2005-11-29T07:22:08			
Read mode	TIMED	TIMED			

2.3 Aspect



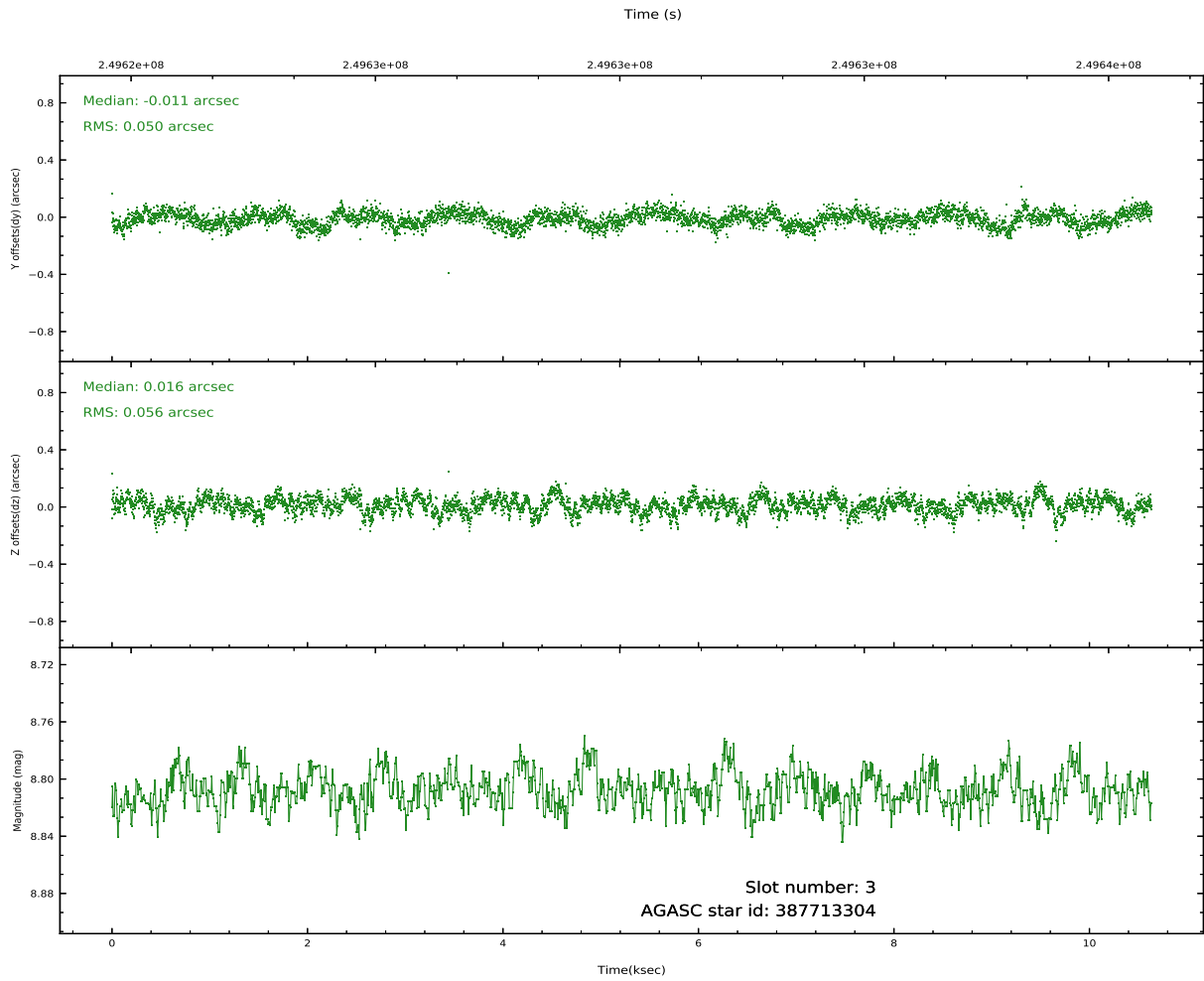
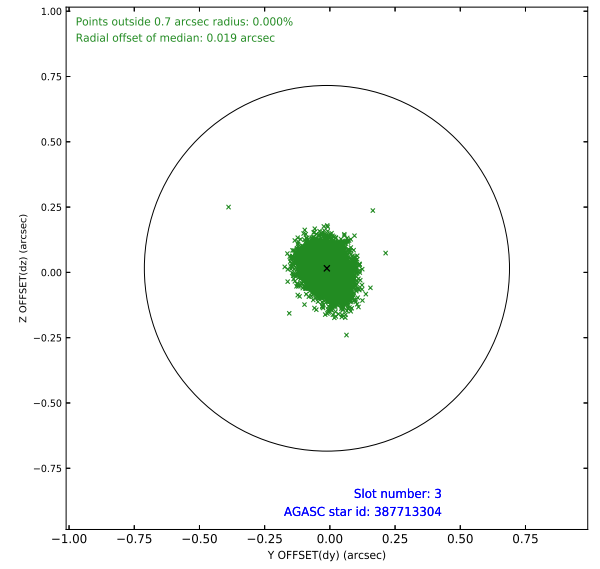
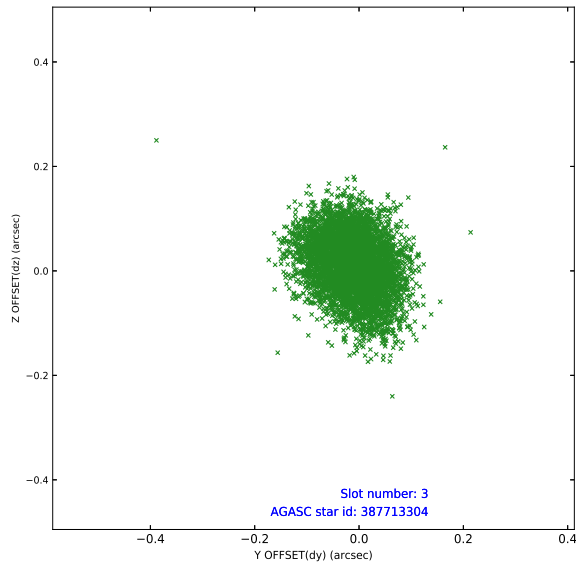


Slot Statistics

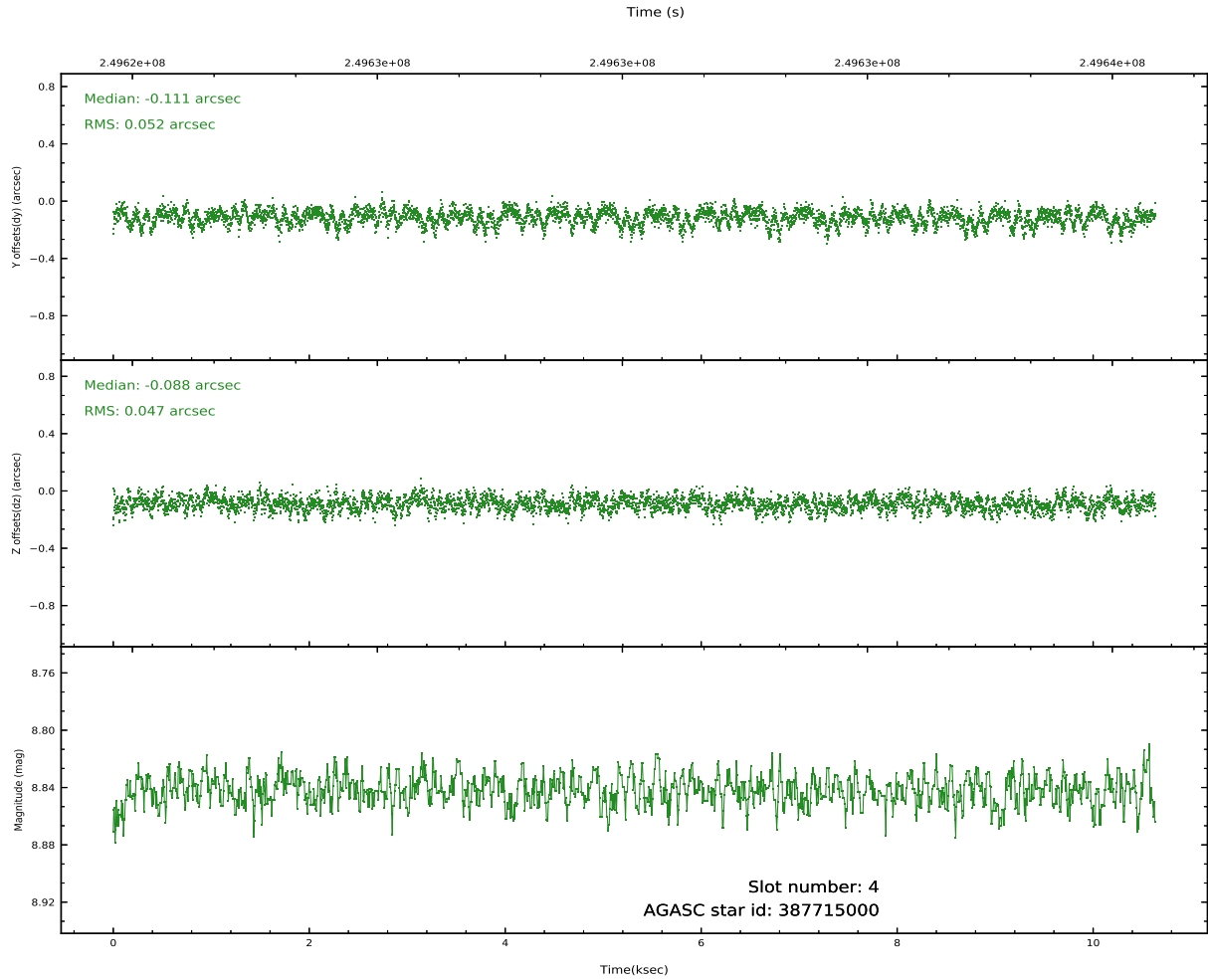
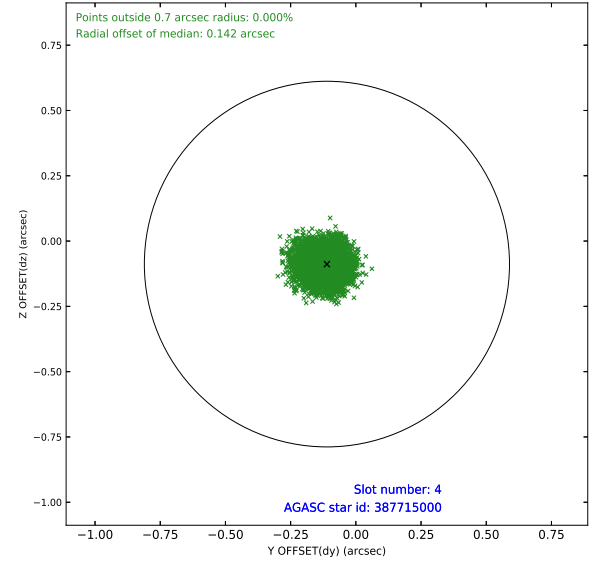
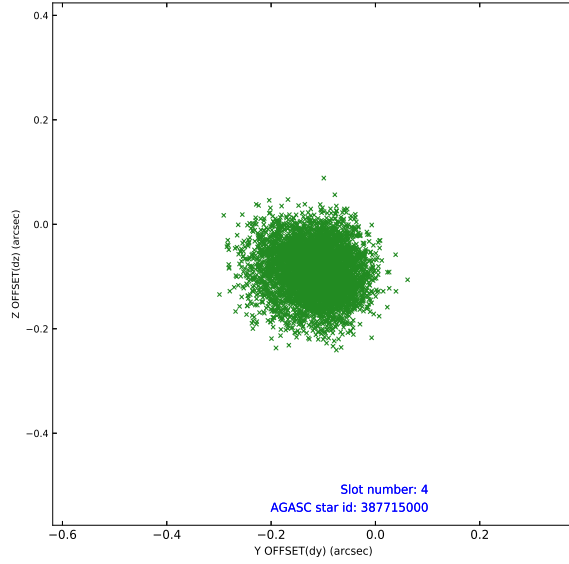
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	2594	1.000	-0.108	-0.094	0.007	0.012	0.000000	0.000000	-759.99	-1732
1	FID		ACIS-S-4	7.21	2593	1.000	0.103	0.046	0.007	0.011	0.000000	0.000000	2153.23	175
2	FID		ACIS-S-6	7.35	2594	1.000	-0.022	0.055	0.007	0.012	0.000000	0.000000	402.64	813
3	GUIDE	used	387713304	8.81	5186	1.000	-0.011	0.016	0.080	0.128	114.854129	38.795070	128.72	-1188
4	GUIDE	used	387715000	8.84	5188	1.000	-0.111	-0.088	0.075	0.120	113.726977	38.946553	1087.46	1870
5	GUIDE	used	387724808	9.06	5183	1.000	-0.039	-0.141	0.082	0.138	114.178337	38.188370	-1789.06	983
6	GUIDE	used	387724760	9.44	5186	1.000	0.128	0.154	0.086	0.145	114.639887	38.092557	-2302.74	-266
7	GUIDE	used	387727880	8.44	5185	1.000	0.040	0.061	0.083	0.129	114.692394	38.330570	-1472.70	-523

2.4 Star Slots

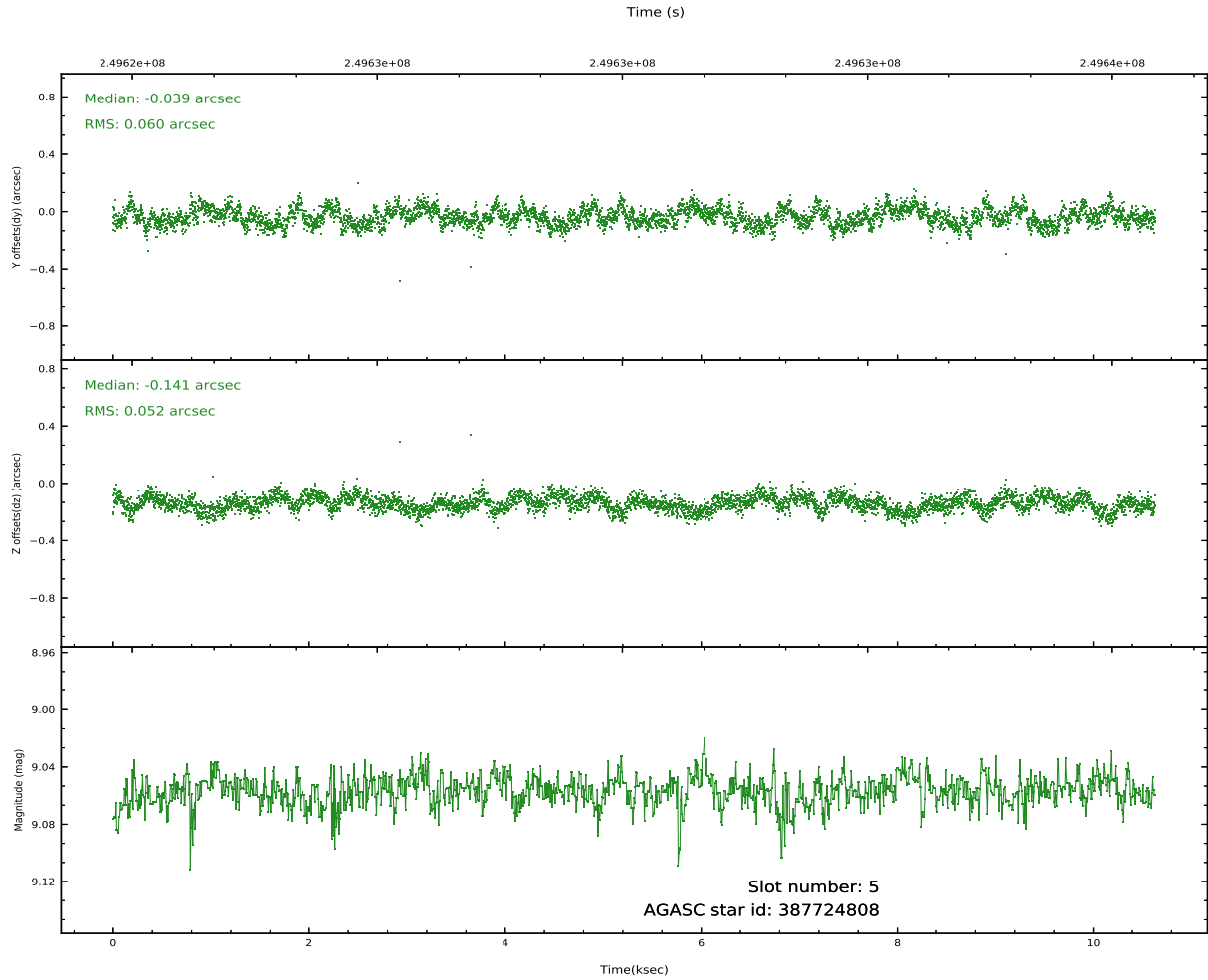
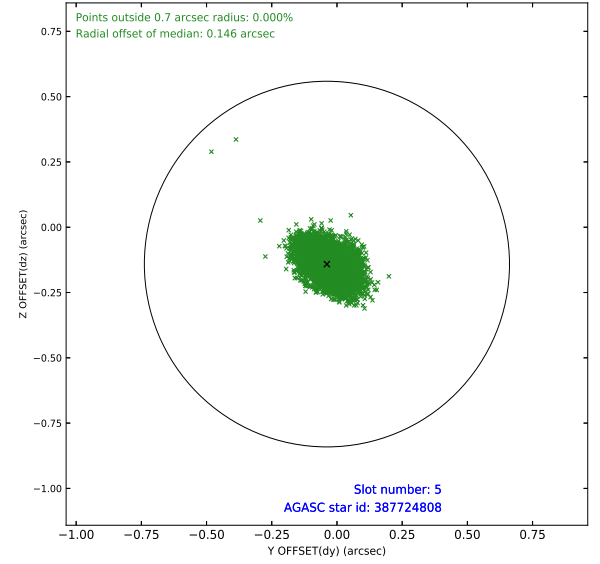
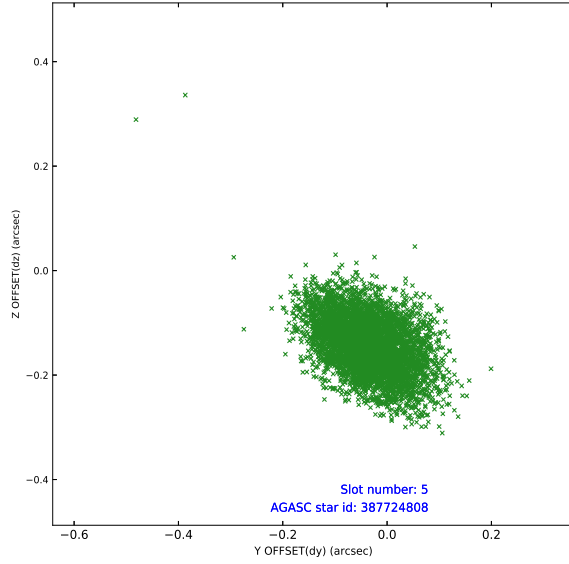
2.4.1 Slot 3



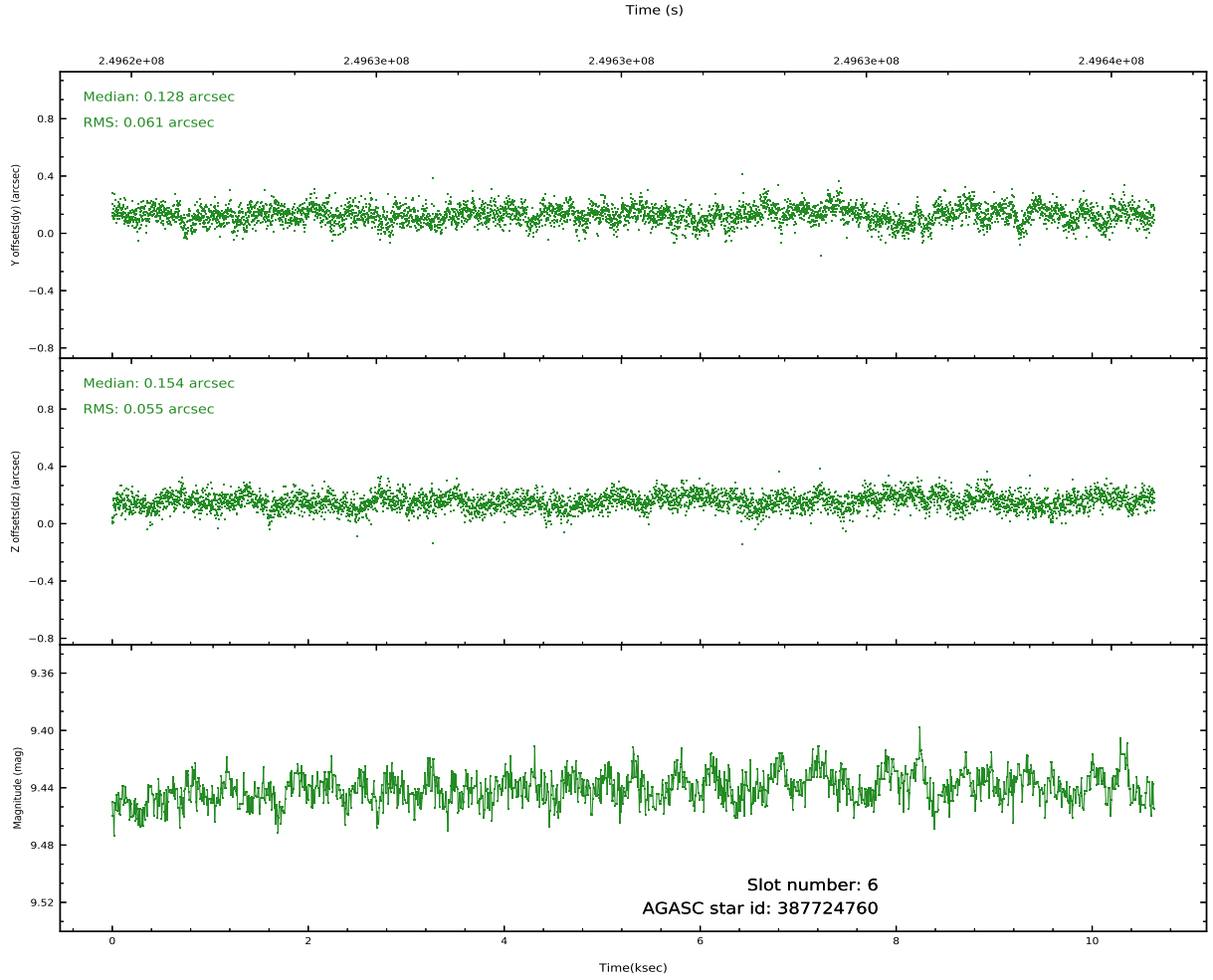
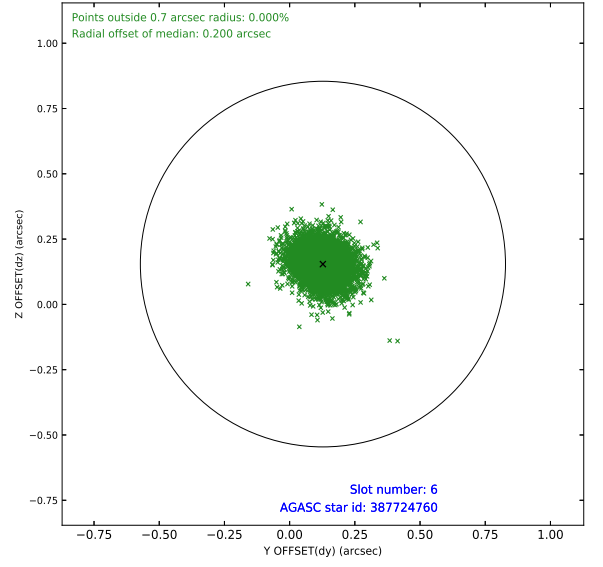
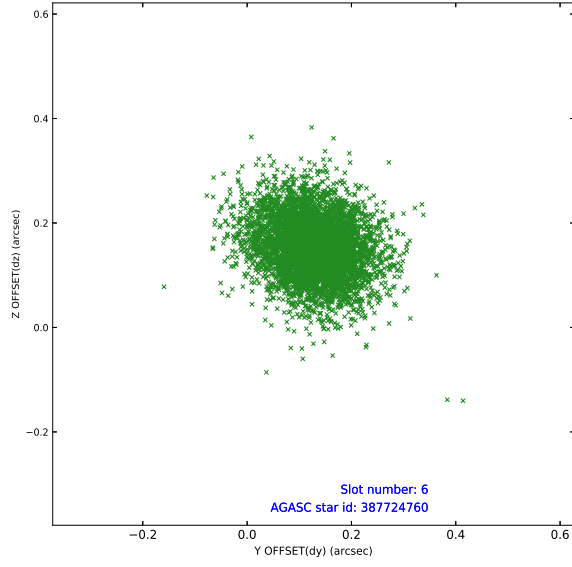
2.4.2 Slot 4



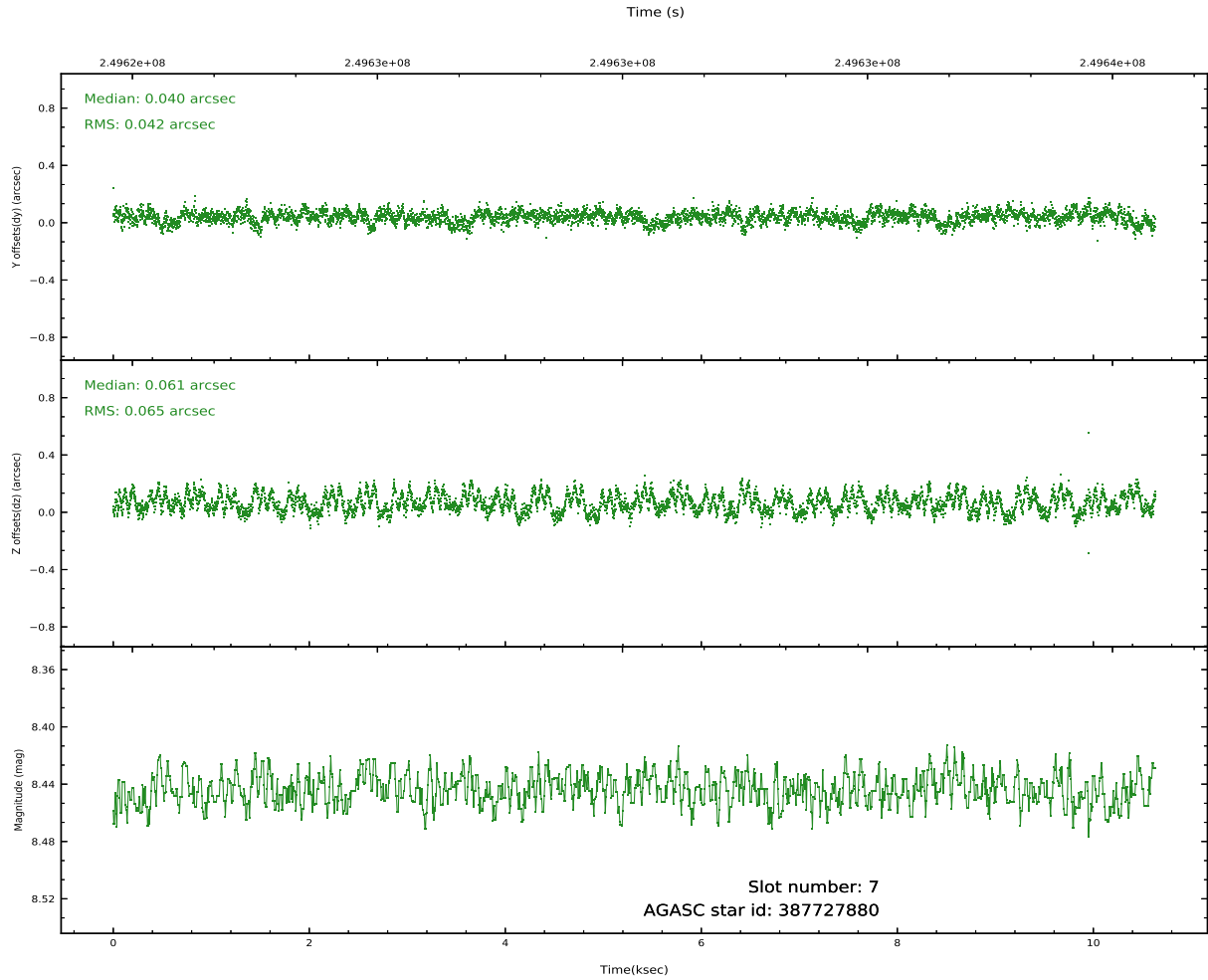
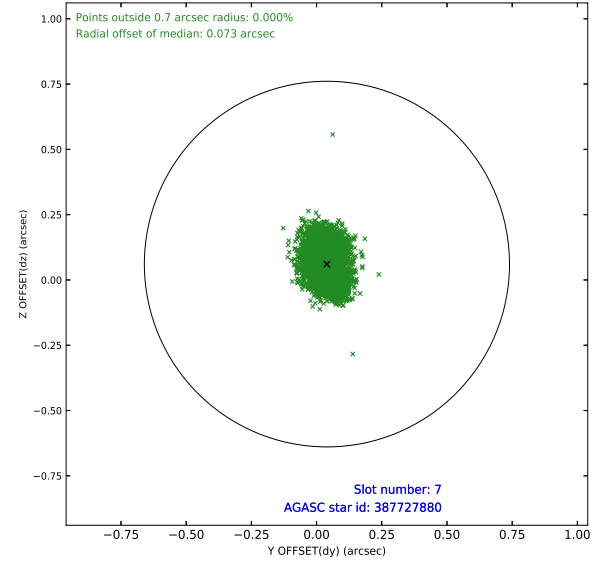
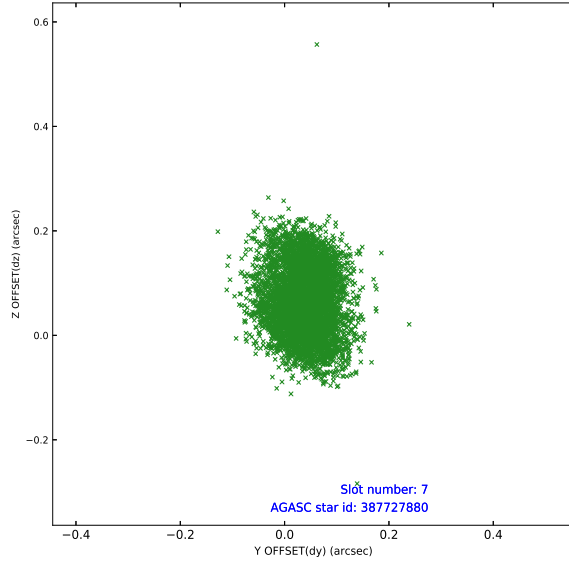
2.4.3 Slot 5



2.4.4 Slot 6

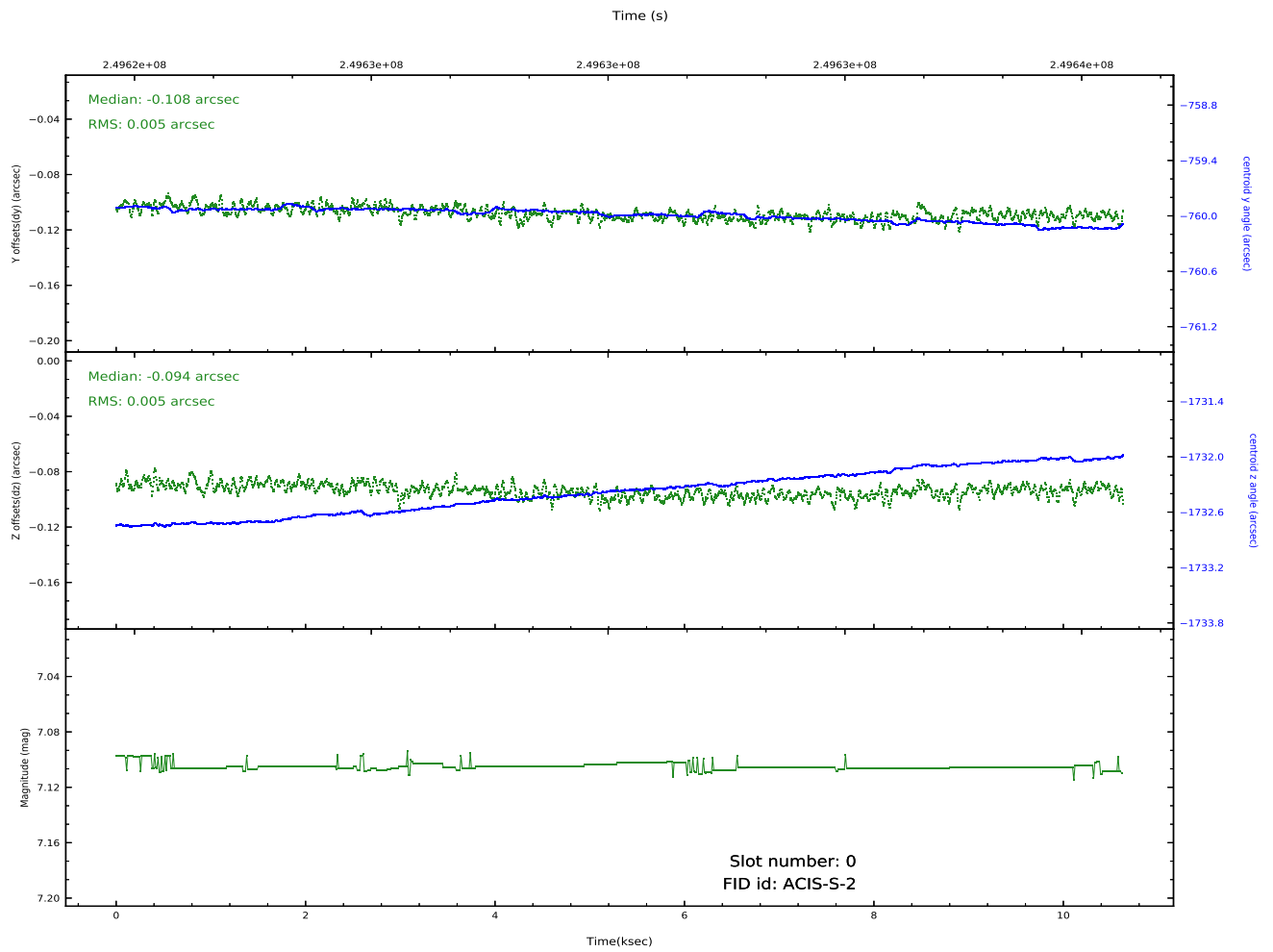
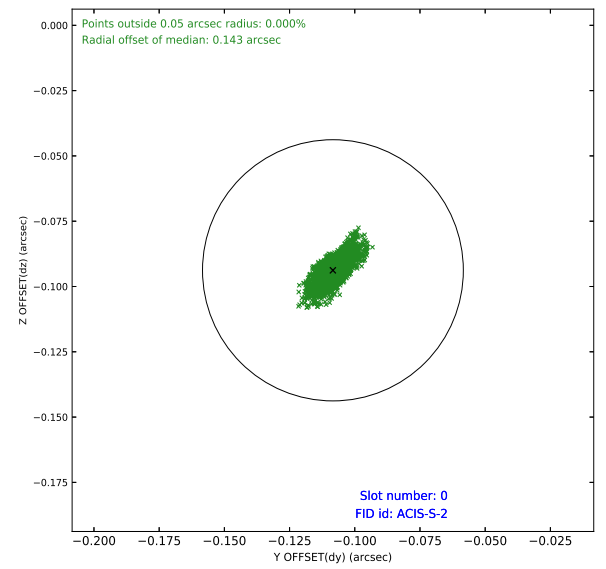
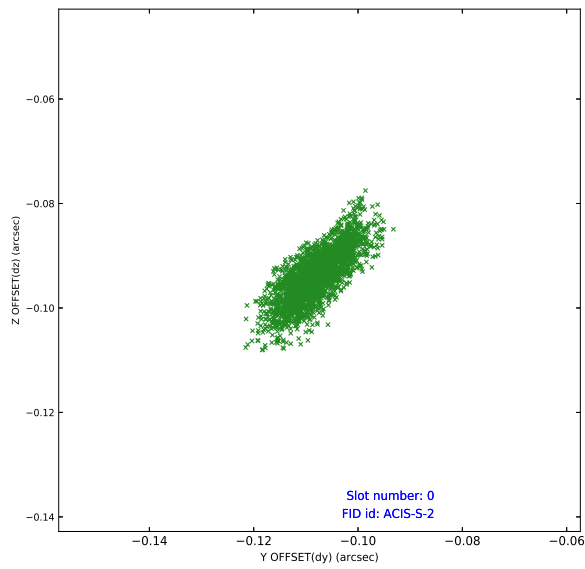


2.4.5 Slot 7

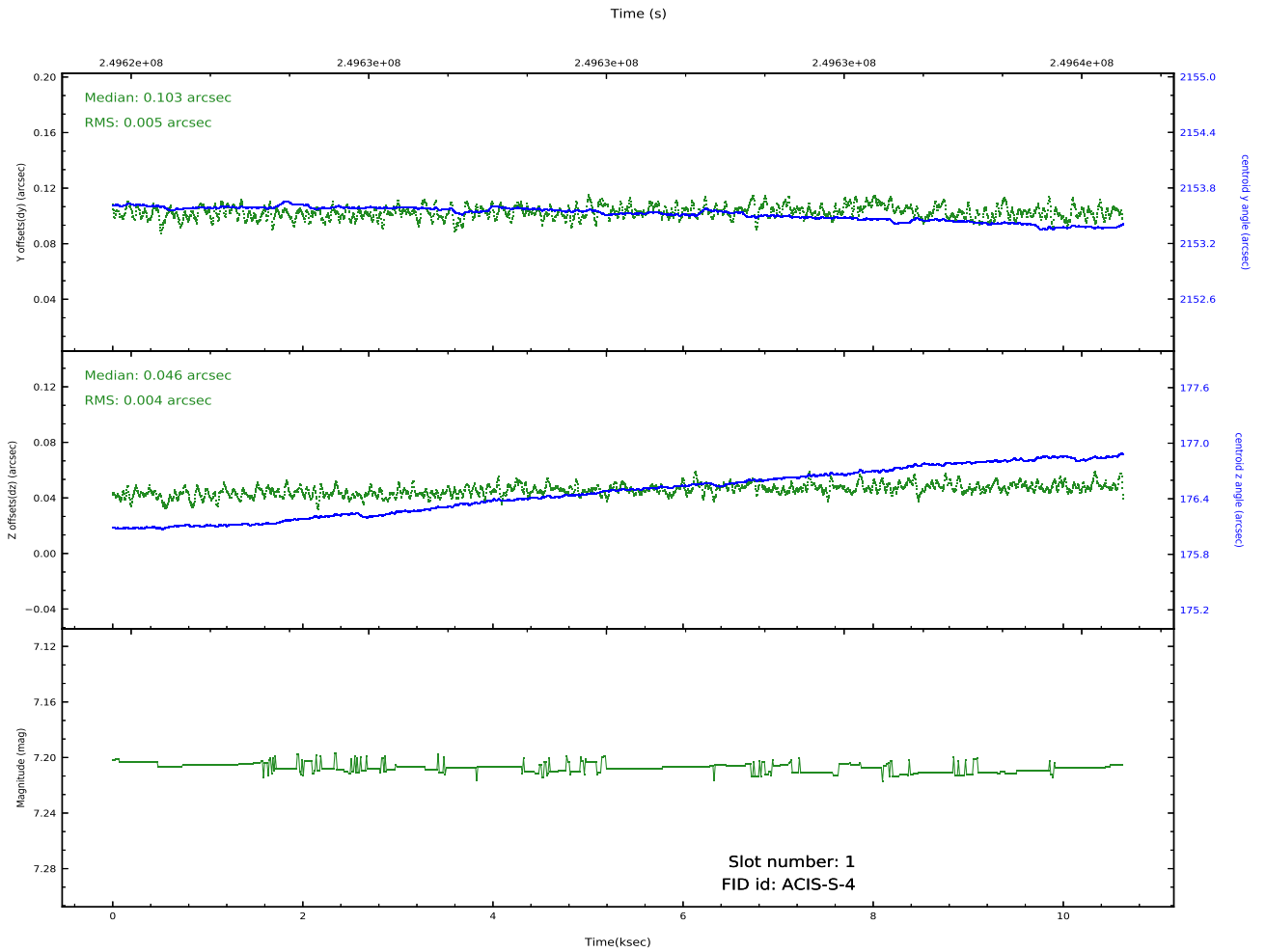
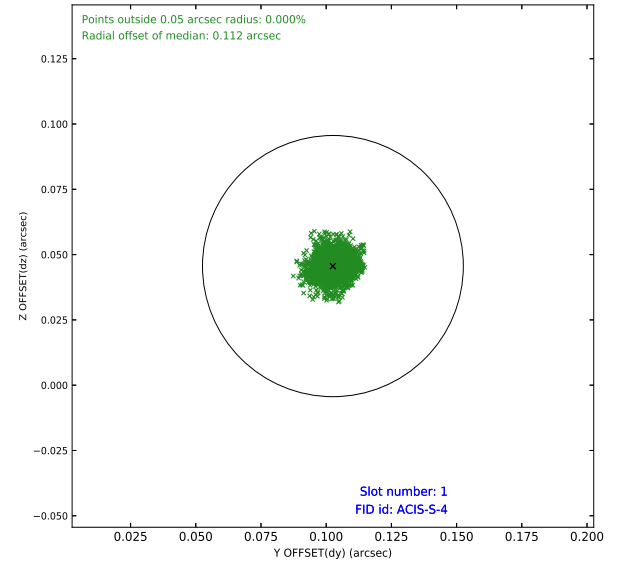
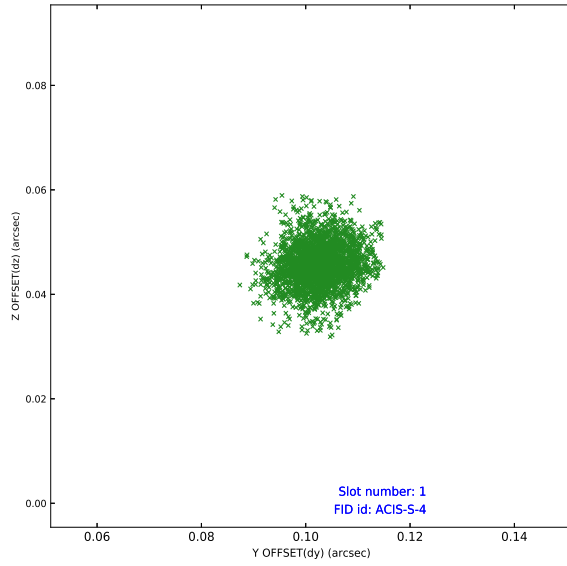


2.5 FID Slots

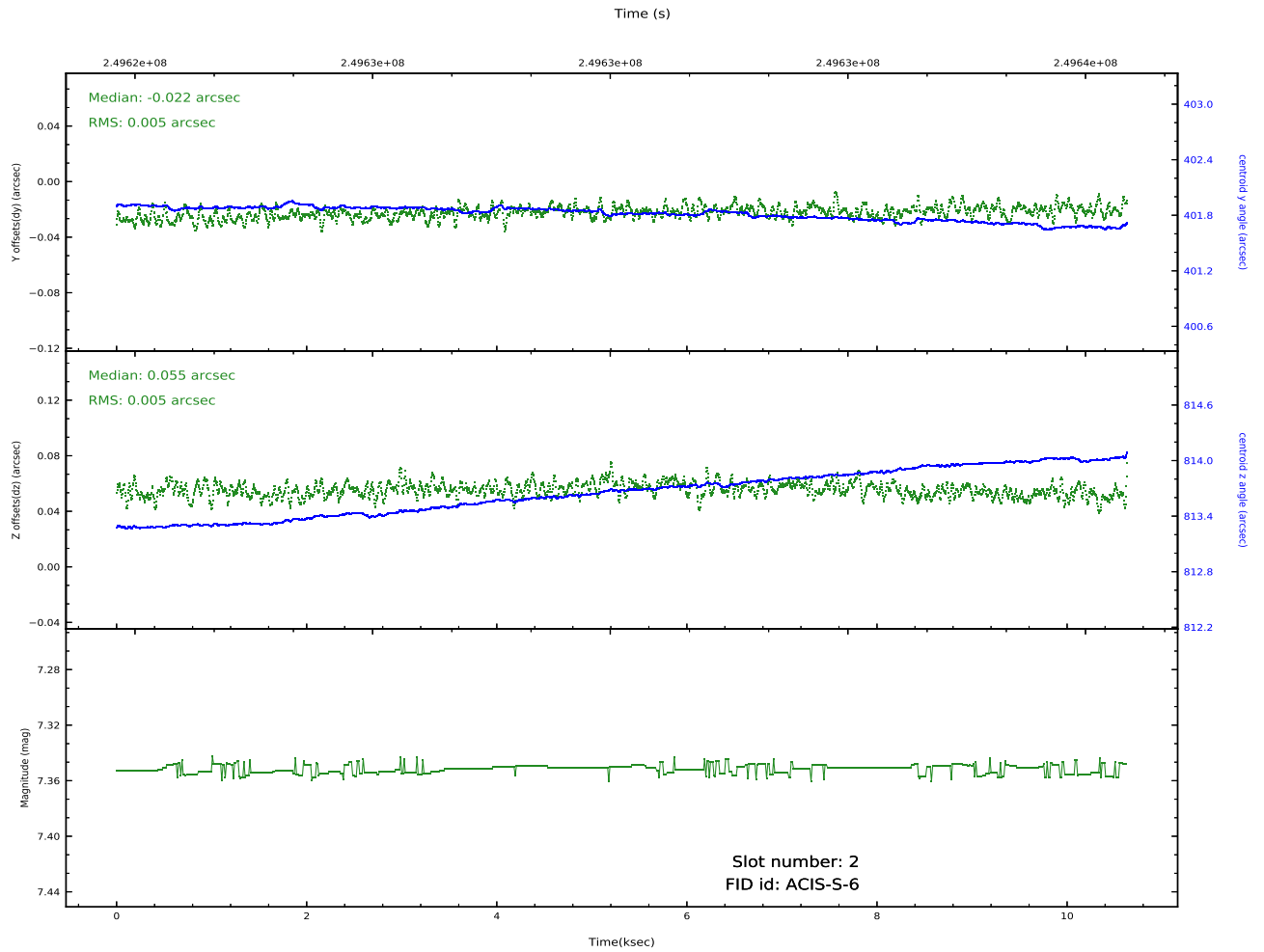
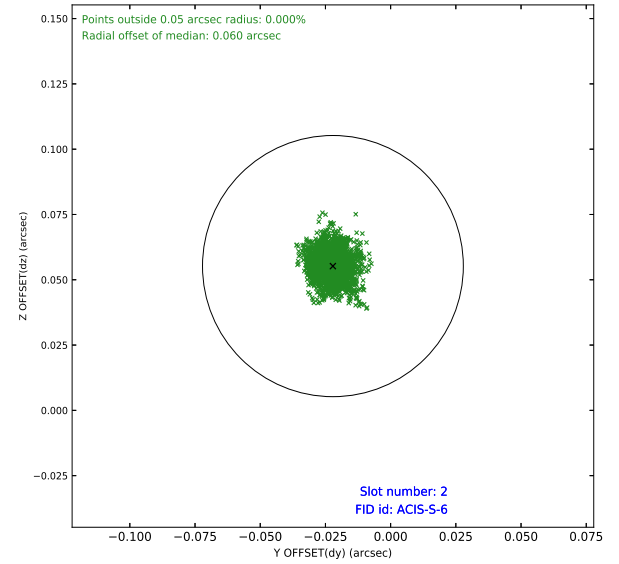
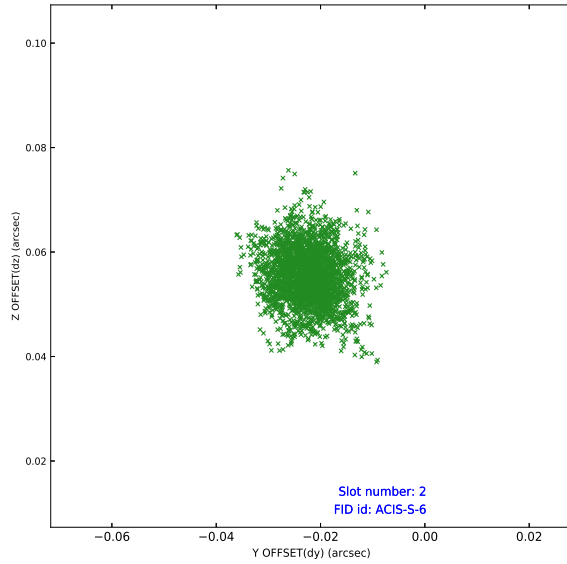
2.5.1 Slot 0



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	10.62719

A.2 Comments