

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20478 - L2 Version 2
Chandra X-Ray Center

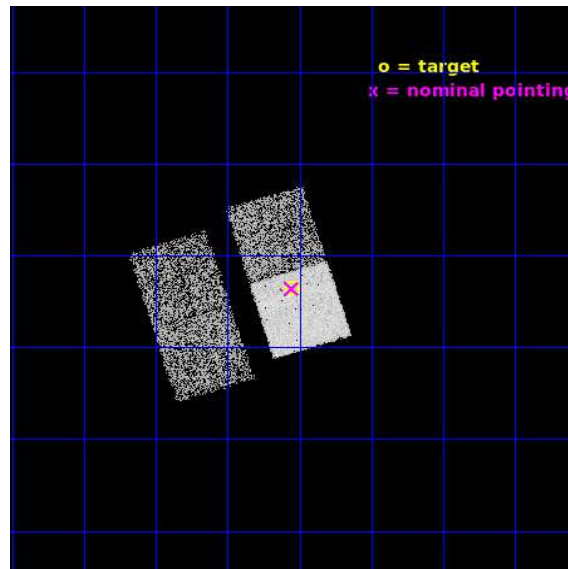
L2 Processing Date : Oct 24 2020

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1 Front

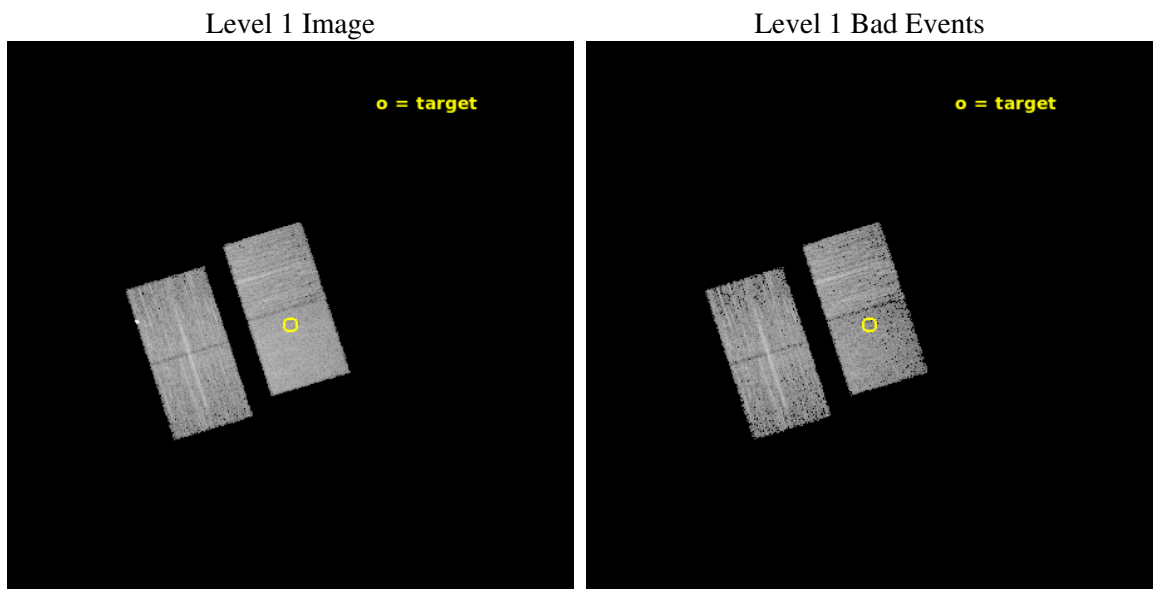
seq_num	703581	Sequence number
obs_id	20478	Observation id
title	Young Radio Sources at High Redshift	Proposal title
observer	Aneta Siemiginowska	Principal investigator
object	SDSS J123503.02-000331.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.7625	Observer's specified target RA [deg]
dec_targ	-0.058806	Observer's specified target Dec [deg]
ra_nom	188.7632187697	Nominal RA [deg]
dec_nom	-0.060036069641773	Nominal Dec [deg]
roll_nom	72.596198515428	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6066.7000467777	Sum of GTIs [s]
liveltime	5987.434144427	Livetime [s]
ontime2	6066.7000467777	Sum of GTIs [s]
ontime3	6066.7000467777	Sum of GTIs [s]
ontime6	6066.7000467777	Sum of GTIs [s]
ontime7	6066.7000467777	Sum of GTIs [s]
l2events	35263	Number of level 2 events



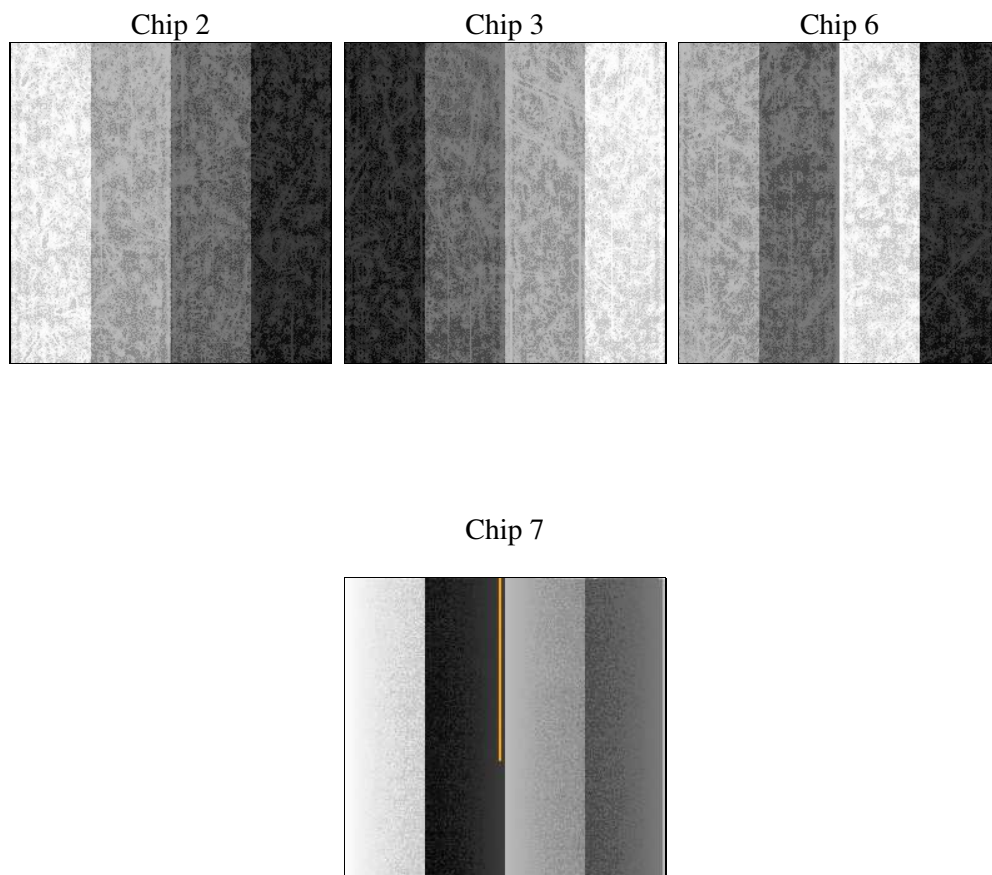
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	6066.7000467777	Sum of GTIs [s]
caldsver	4.9.3	 	ontime2	6066.7000467777	Sum of GTIs [s]
date	2020-10-24T19:06:39	Date and time of file creation	ontime3	6066.7000467777	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6066.7000467777	Sum of GTIs [s]
			ontime7	6066.7000467777	Sum of GTIs [s]
			l1events	192805	Number of level 1 events

2.1.4 Events

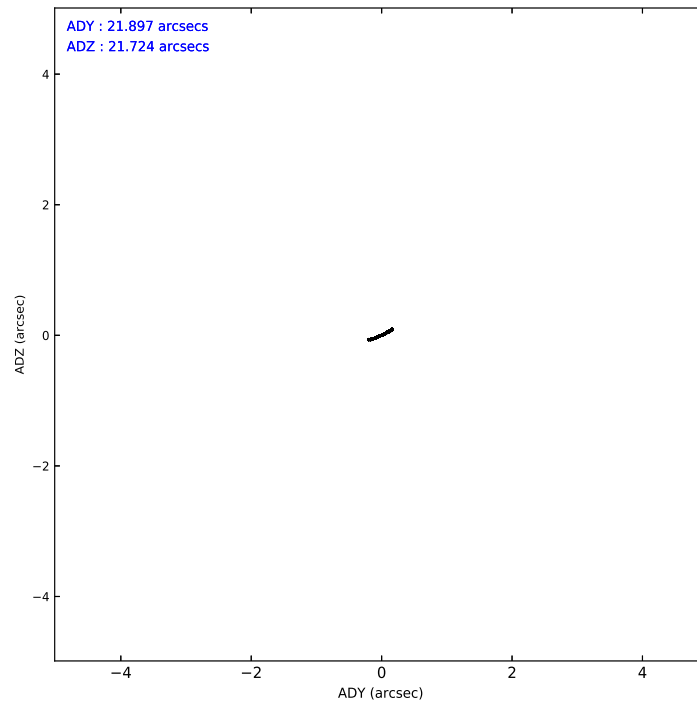
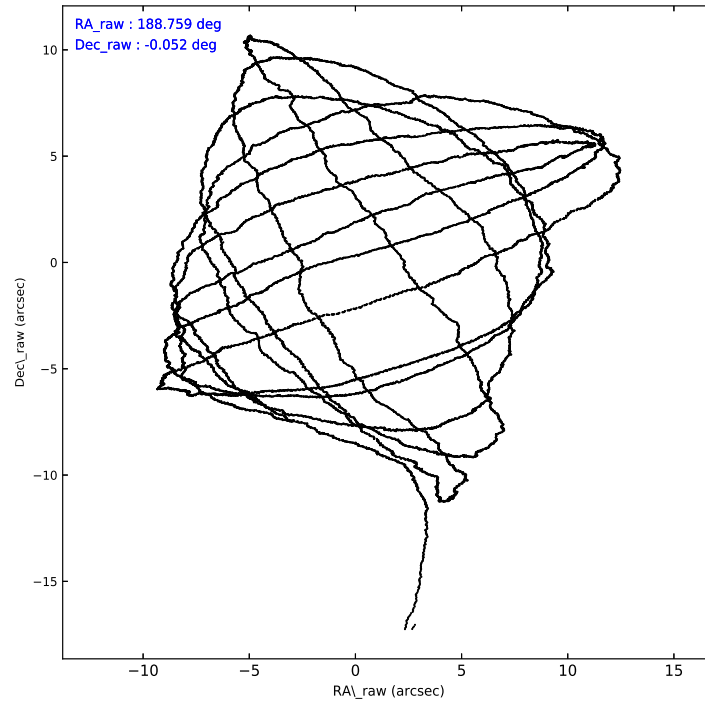
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46680	42517	47307	56301
rejected events	40289	38231	42362	32159
rejected %	86%	89%	89%	57%

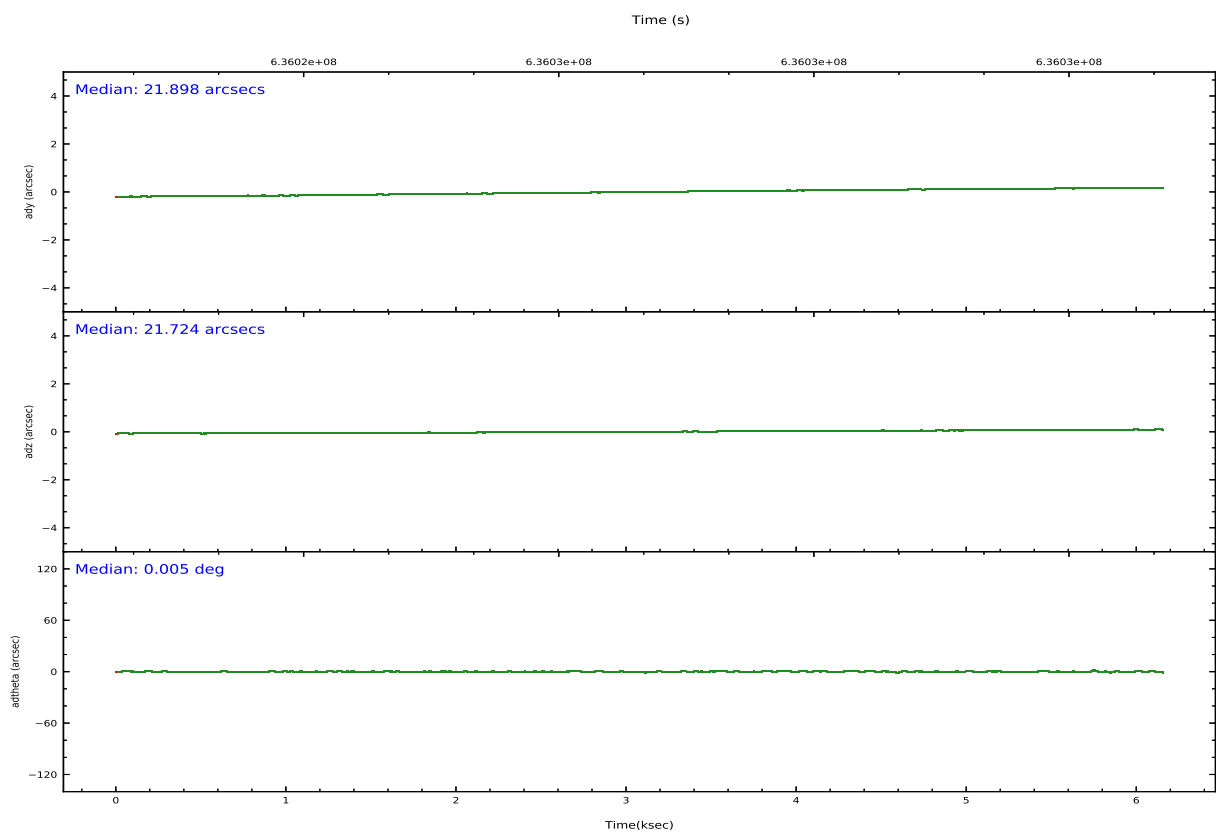
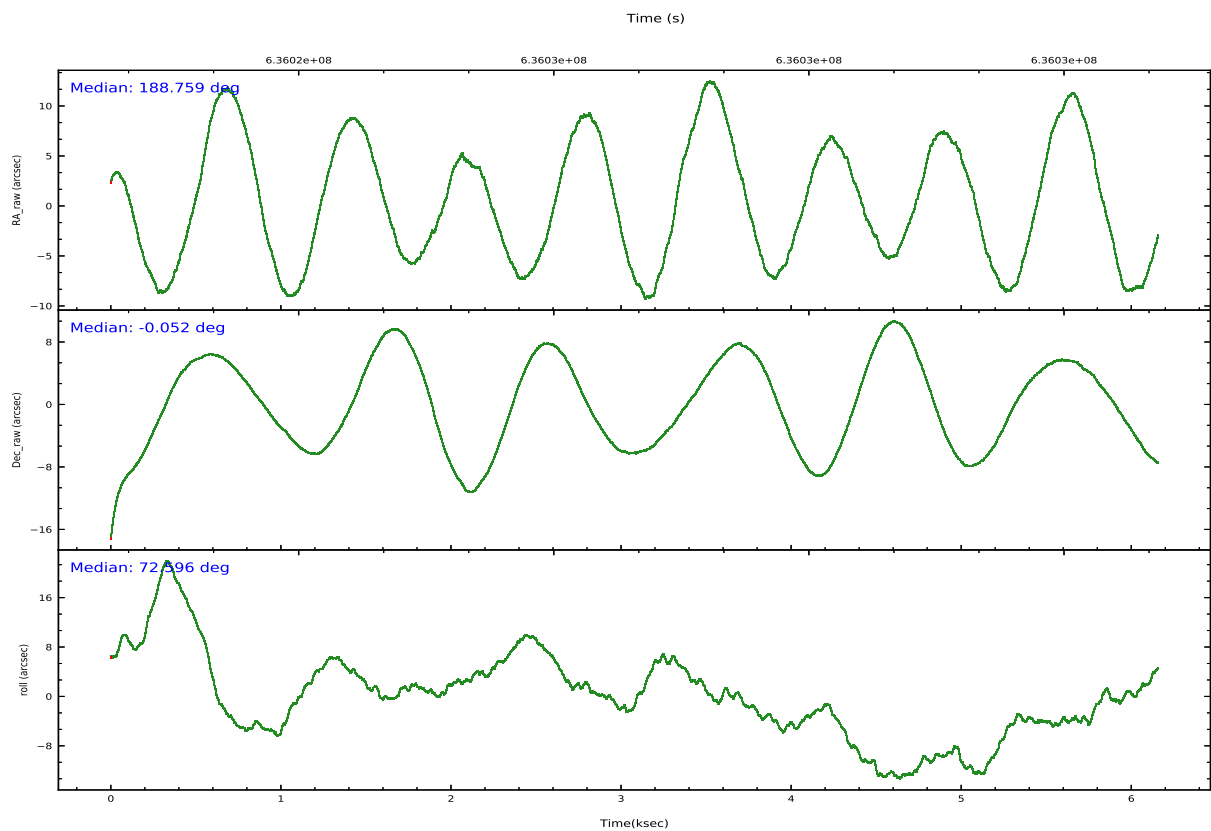
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1550	1496	1466	2011
	3%	3%	3%	3%
grade 1 events	27	26	19	75
	0%	0%	0%	0%
grade 2 events	2947	927	1286	5082
	6%	2%	2%	9%
grade 3 events	476	456	469	1894
	1%	1%	0%	3%
grade 4 events	459	463	464	1855
	0%	1%	0%	3%
grade 5 events	1646	2052	1957	5495
	3%	4%	4%	9%
grade 6 events	961	947	1264	13307
	2%	2%	2%	23%
grade 7 events	38614	36150	40382	26582
	82%	85%	85%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	188.765571	188.7632187697	CCD I2 on	O1	Y
[deg] Pointing Dec	-0.078782	-0.060036069641773	CCD I3 on	O3	Y
[deg] Pointing Roll	72.451408	72.596198515428	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	636024053.184000	636022985.12632	CCD S5 on	N	N
Observation start date	2018-02-26T09:19:44	2018-02-26T09:03:05	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	636030053.184000	636031092.87679	On-chip summing requested	N	N
Observation end date	2018-02-26T10:59:44	2018-02-26T11:18:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



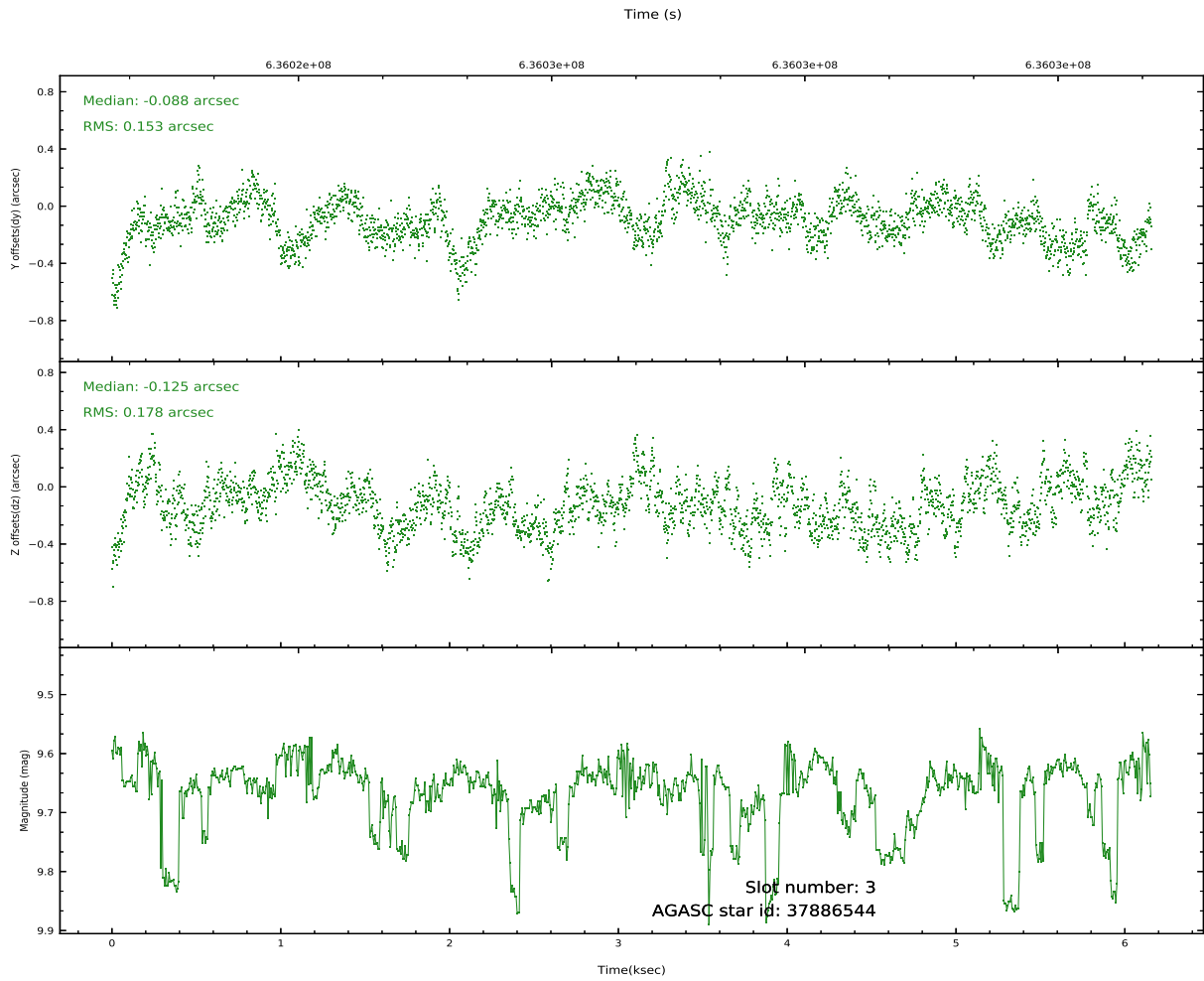
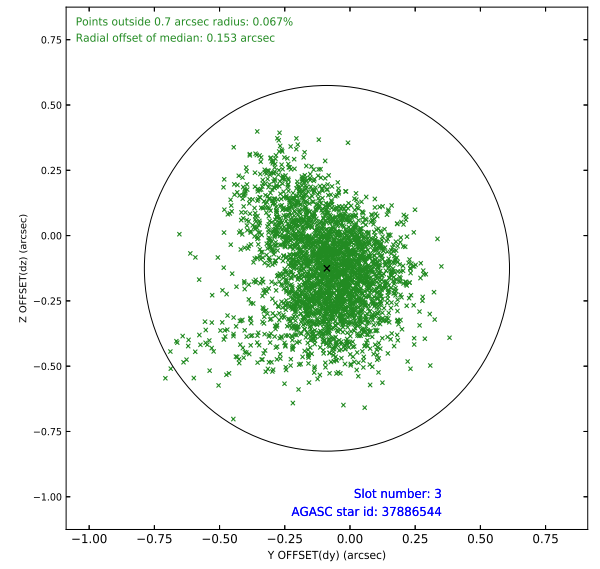
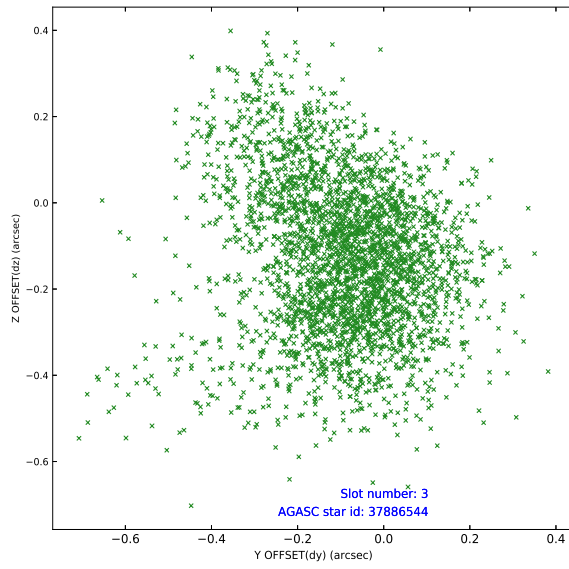


Slot Statistics

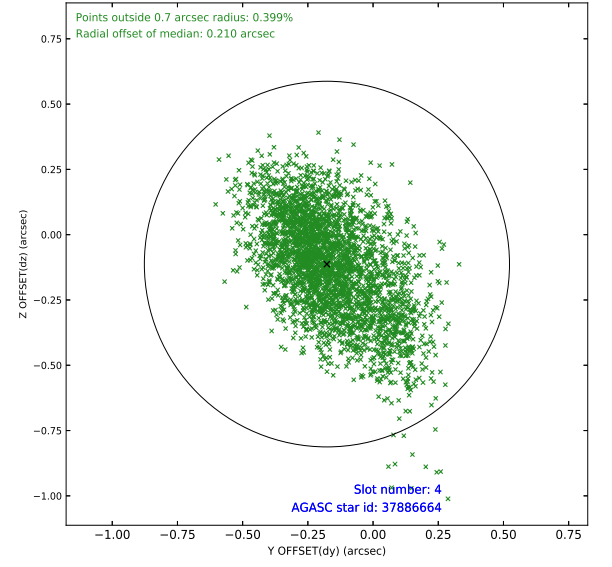
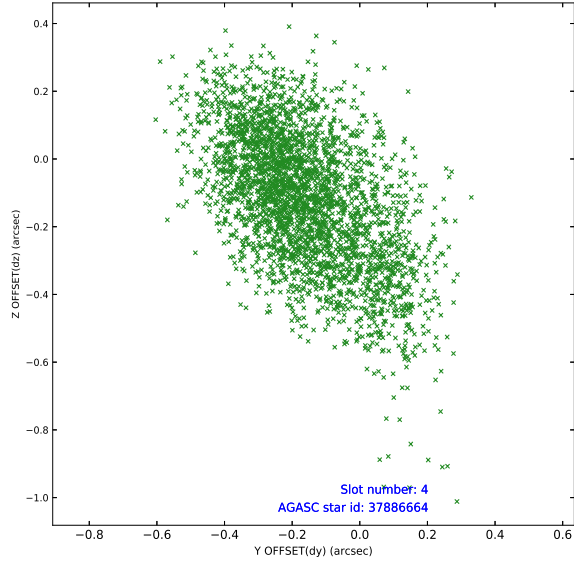
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.13	1503	1.000	0.183	-0.106	0.007	0.011	0.000000	0.000000	-775.14	-1743
1	FID		ACIS-S-4	7.24	1503	1.000	0.042	-0.059	0.006	0.010	0.000000	0.000000	2137.85	163
2	FID		ACIS-S-5	7.24	1503	1.000	-0.256	0.174	0.008	0.014	0.000000	0.000000	-1826.90	159
3	GUIDE	used	37886544	9.65	2999	1.000	-0.088	-0.125	0.243	0.424	188.640599	0.188811	782.94	719
4	GUIDE	used	37886664	9.84	3005	1.000	-0.177	-0.113	0.268	0.449	188.965528	0.232274	1285.23	-348
5	GUIDE	used	648546128	9.12	2999	1.000	-0.163	-0.006	0.212	0.337	189.319453	-0.187404	230.33	-2019
6	GUIDE	used	648546552	8.42	3002	1.000	0.046	0.144	0.186	0.289	189.094612	-0.293407	-378.50	-1362
7	GUIDE	used	648548584	9.43	3001	1.000	0.362	0.106	0.216	0.352	189.156989	-0.610655	-1399.87	-1922

2.4 Star Slots

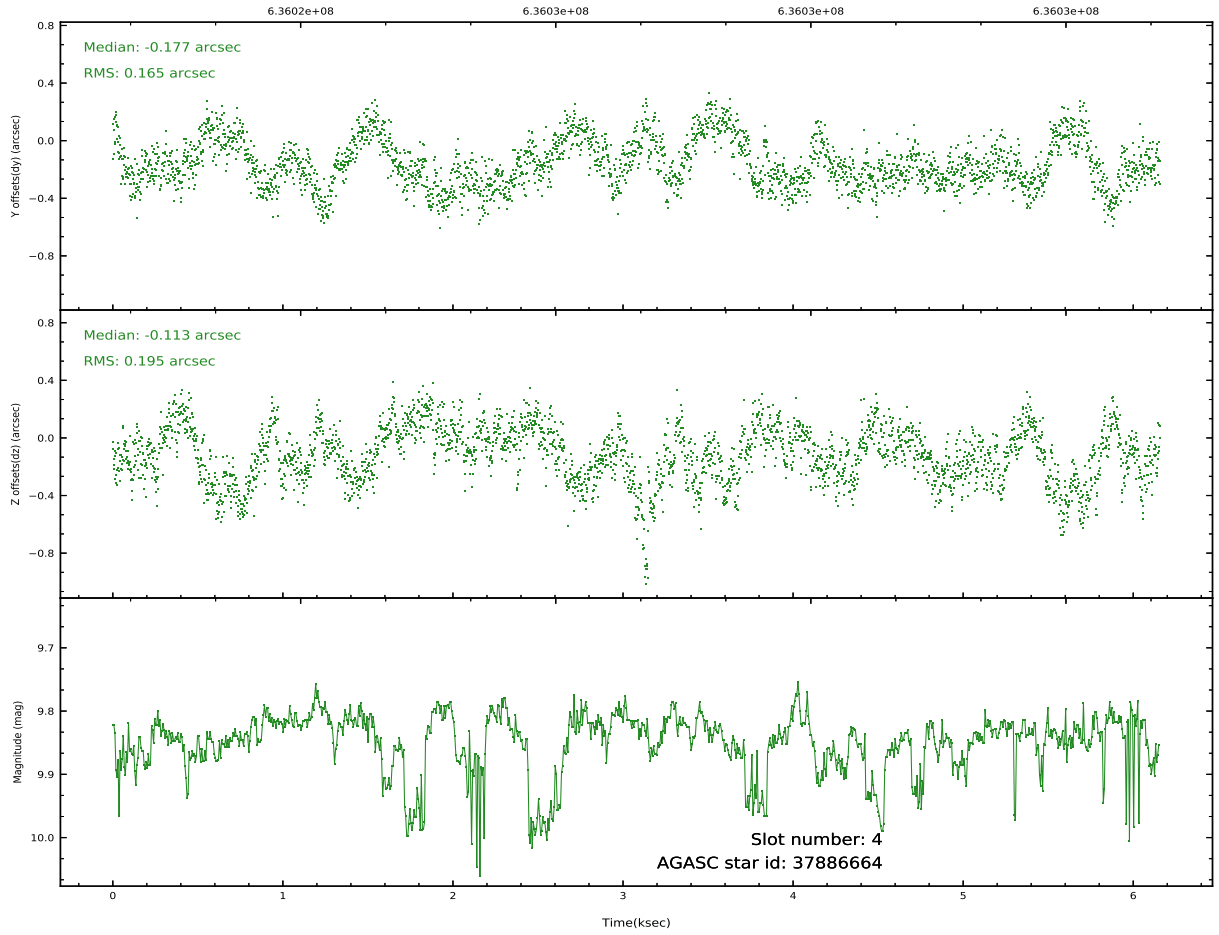
2.4.1 Slot 3



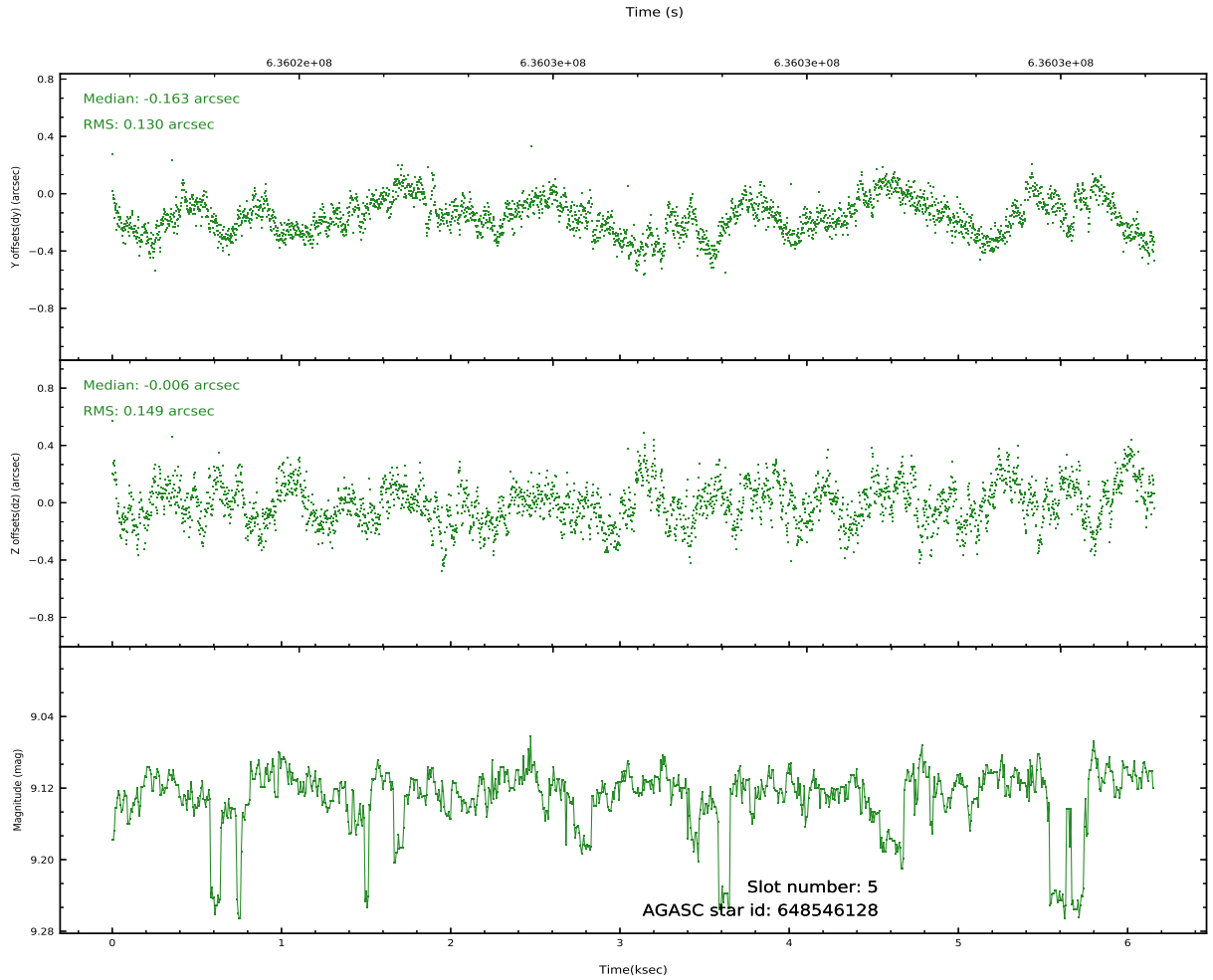
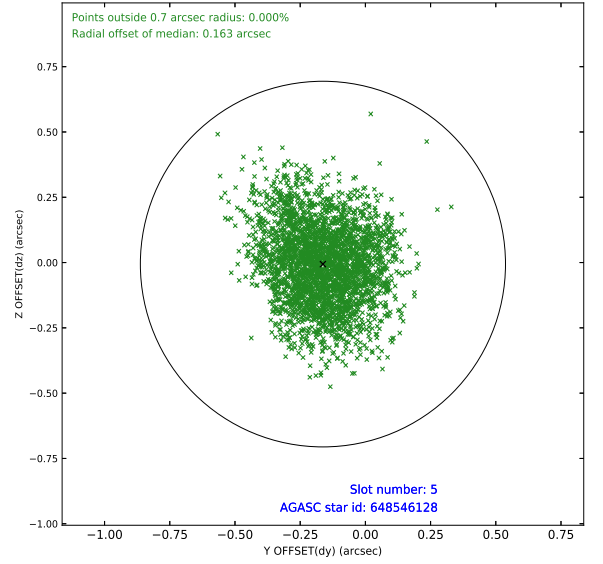
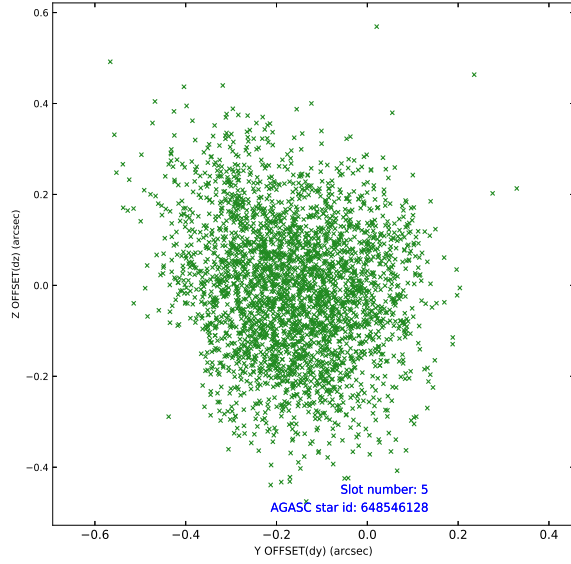
2.4.2 Slot 4



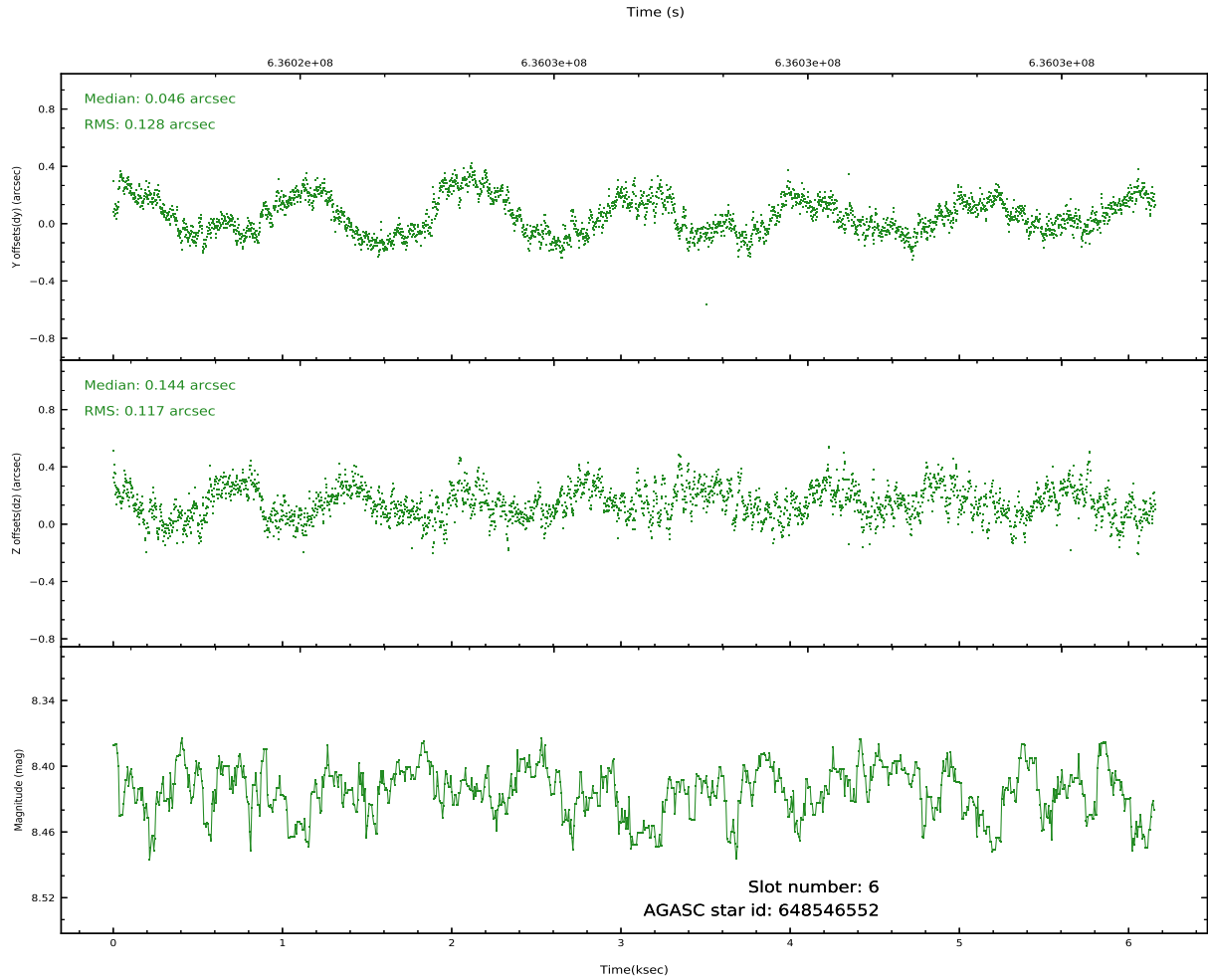
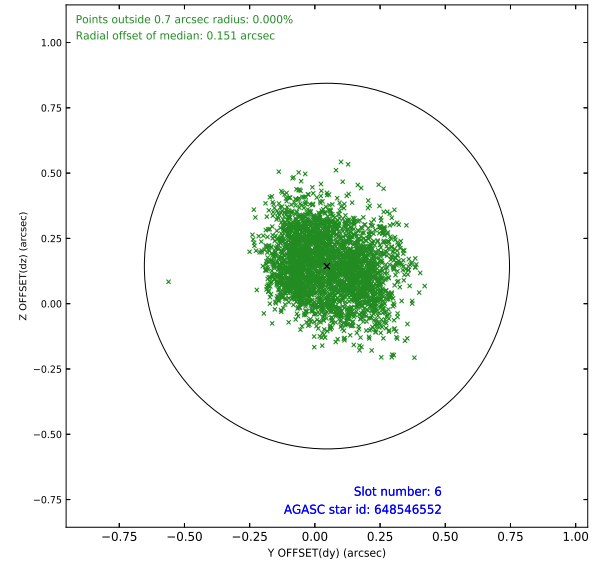
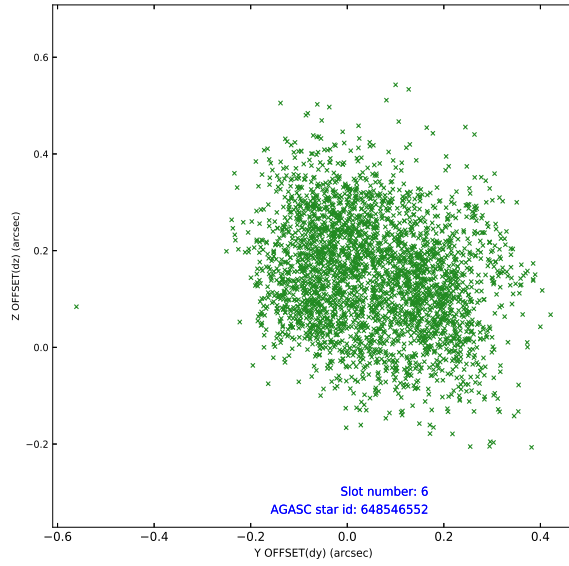
Time (s)



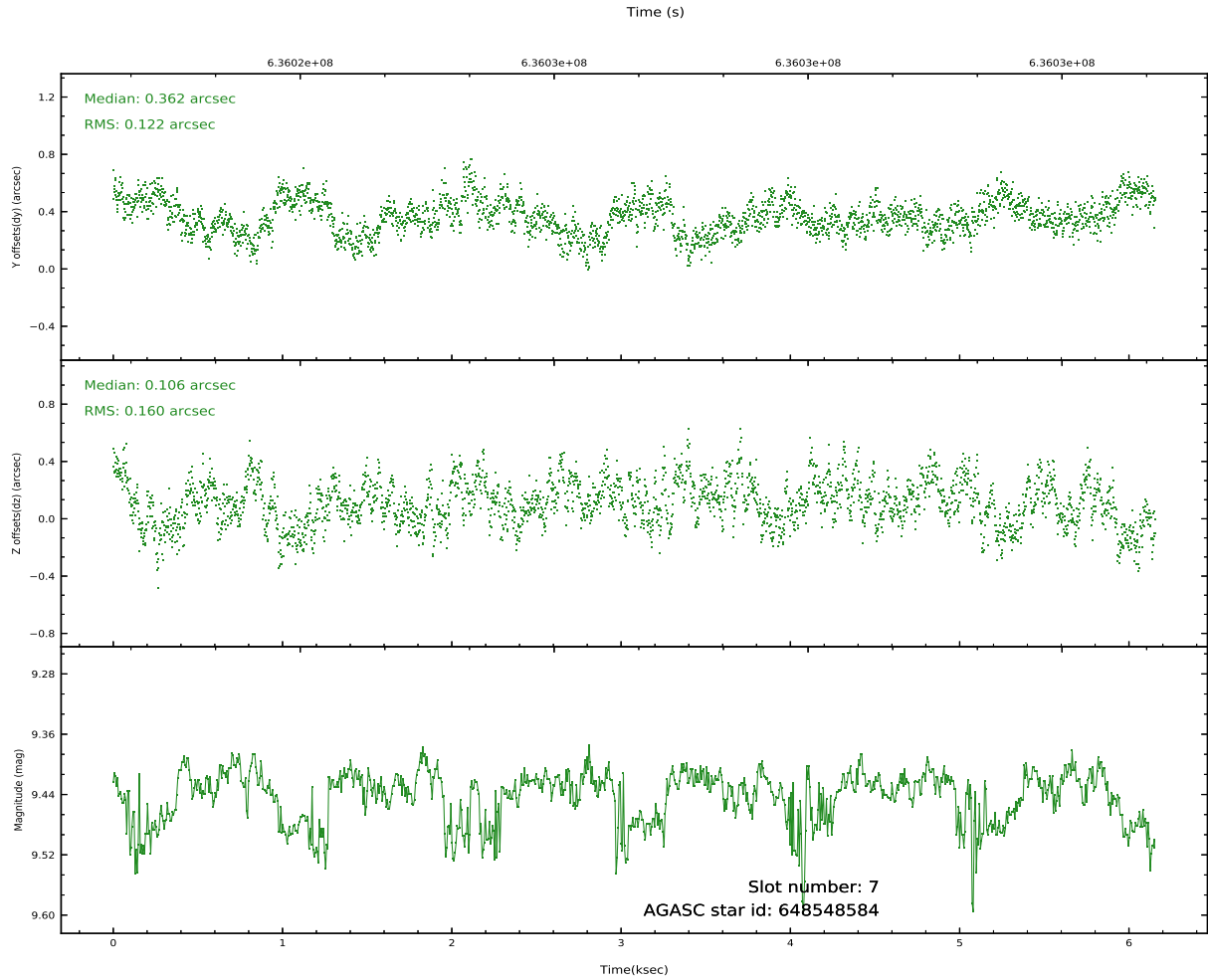
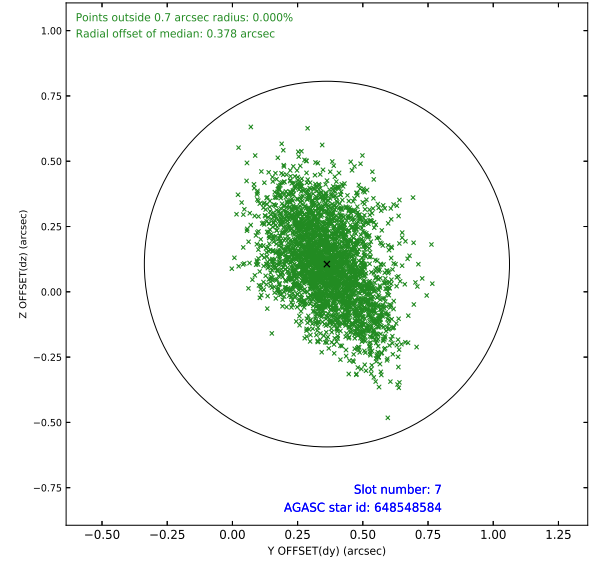
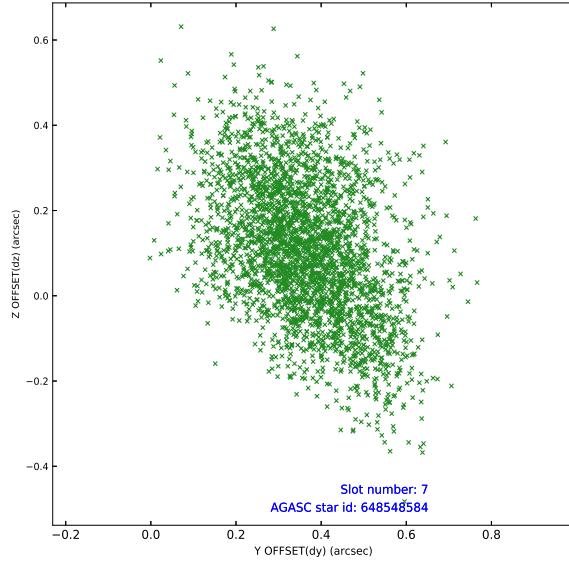
2.4.3 Slot 5



2.4.4 Slot 6

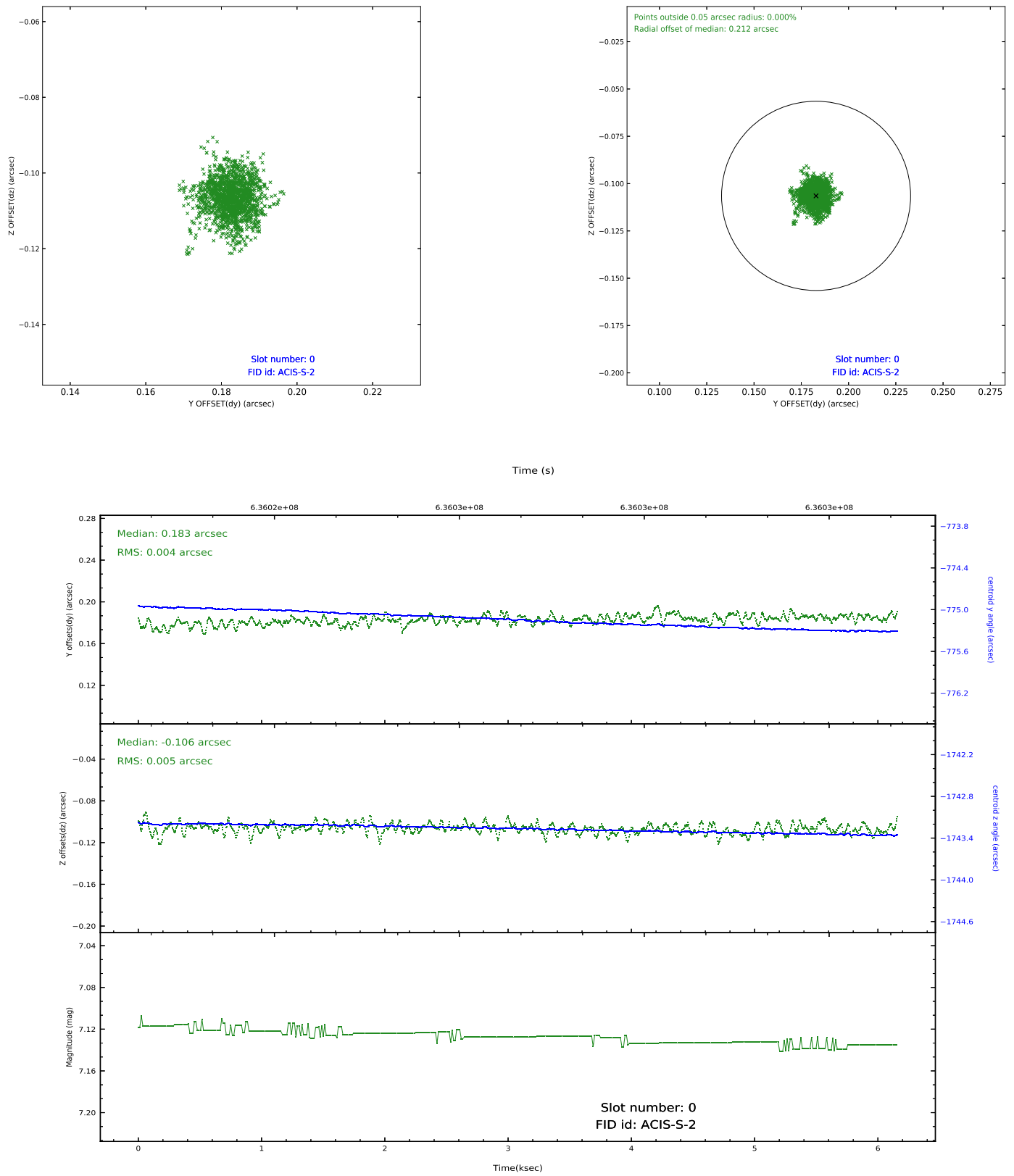


2.4.5 Slot 7

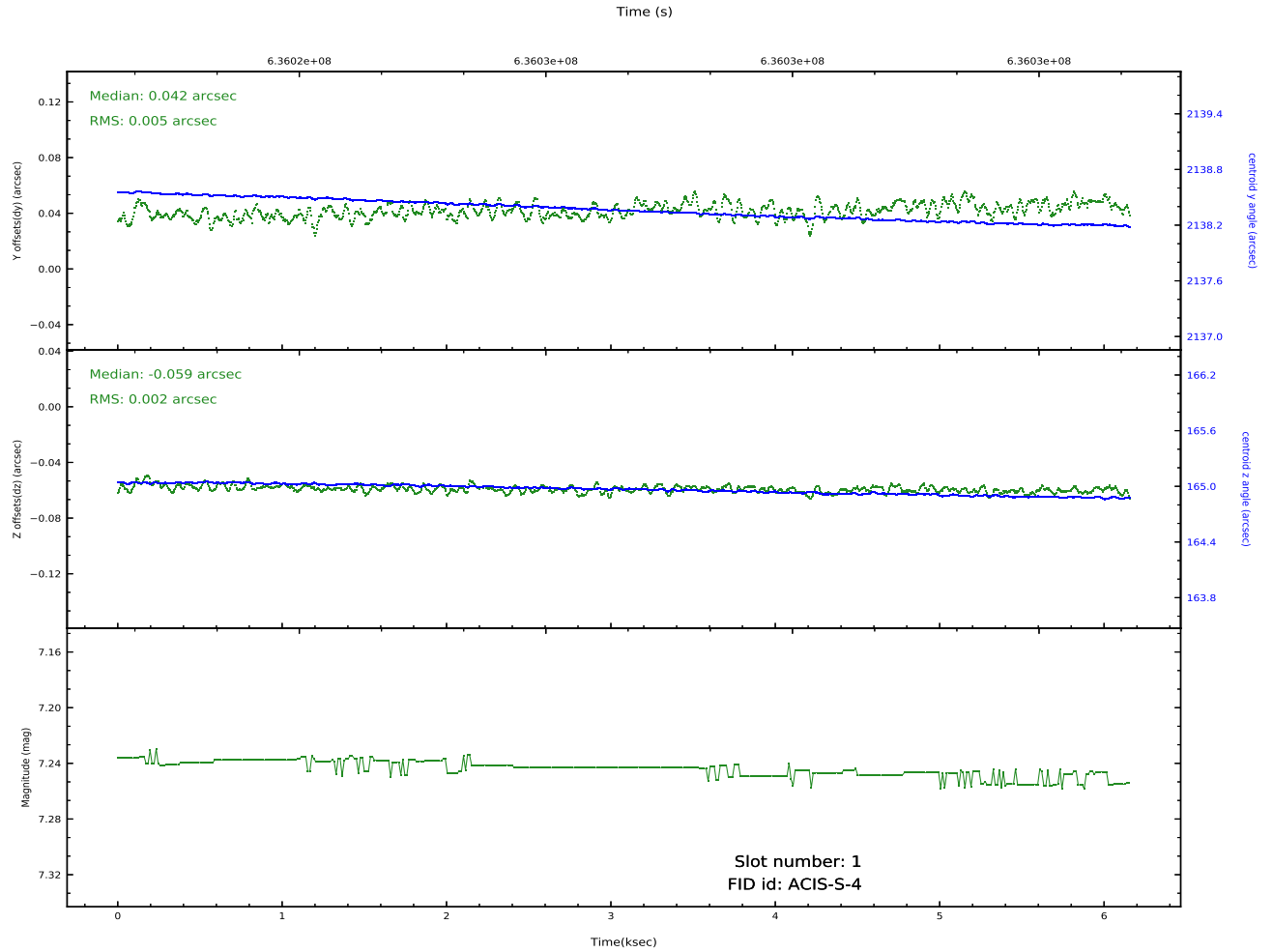
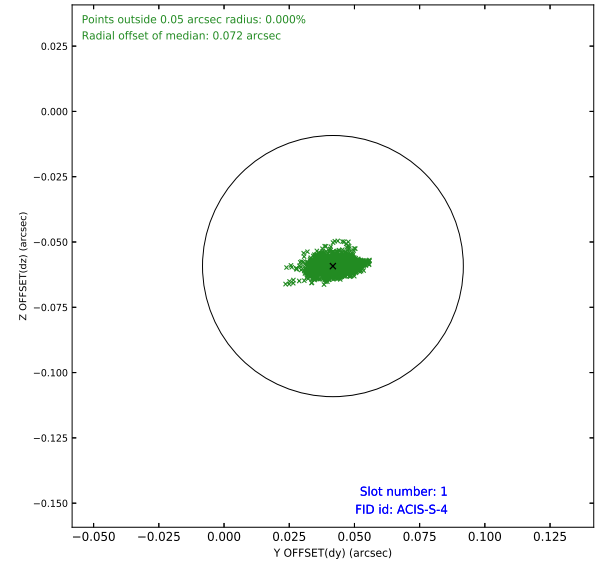
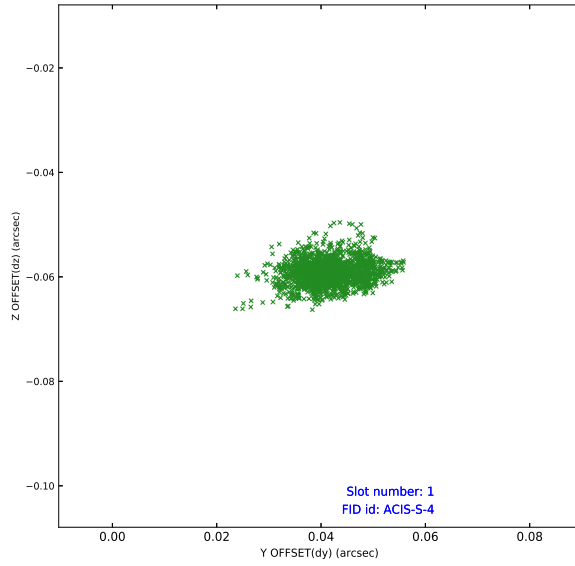


2.5 FID Slots

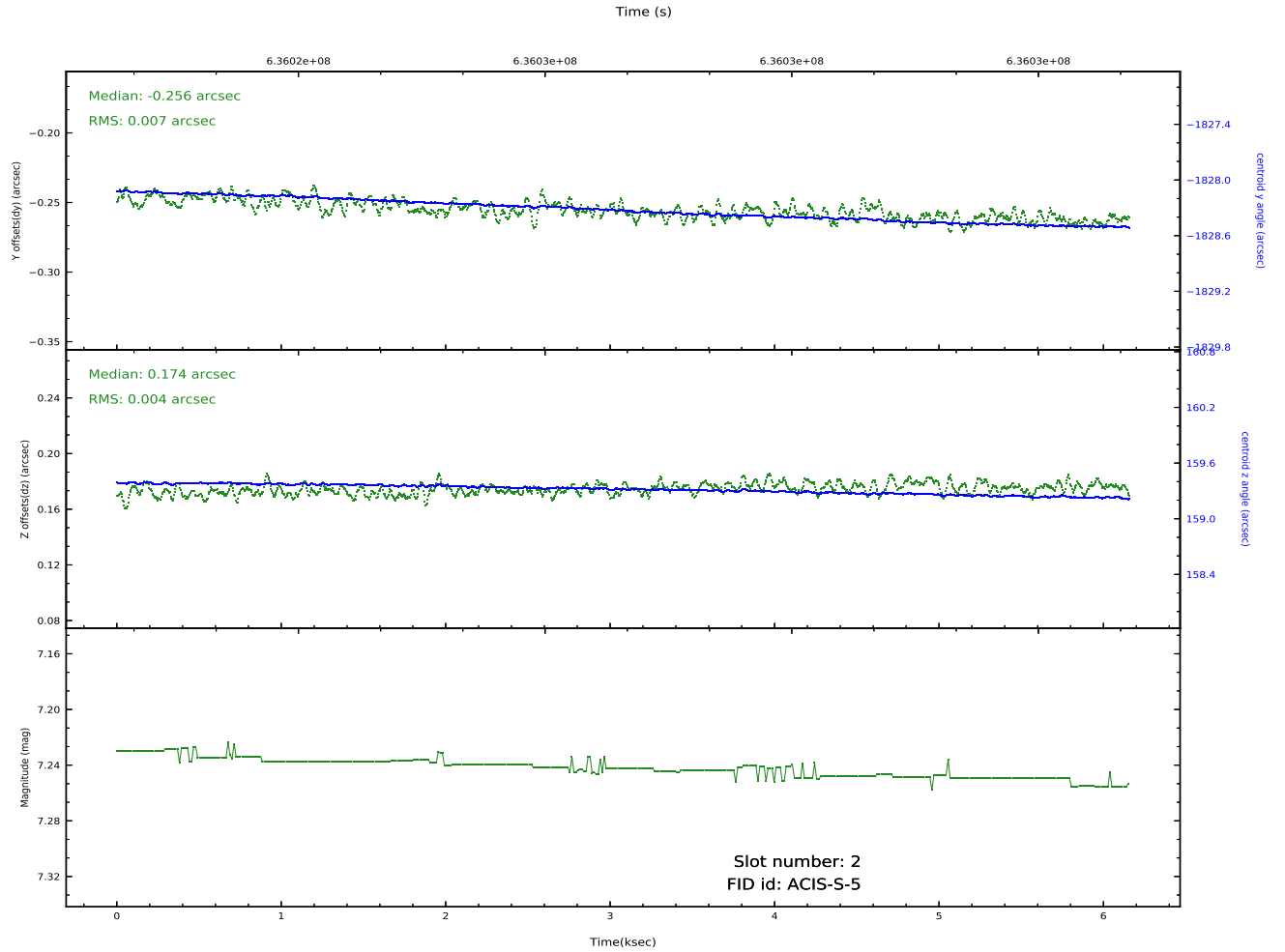
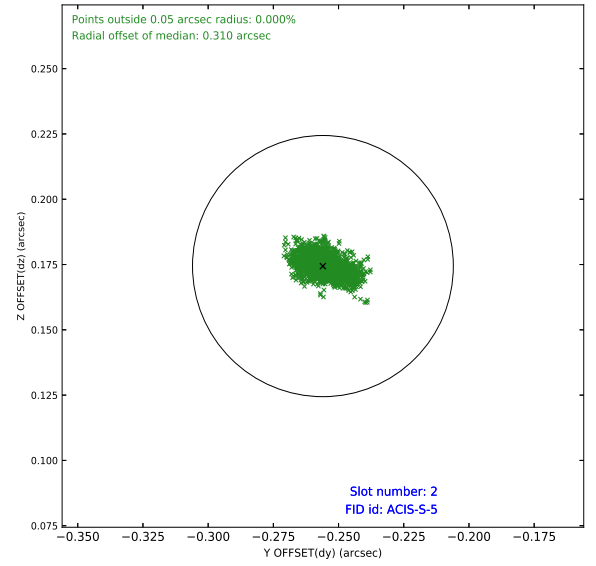
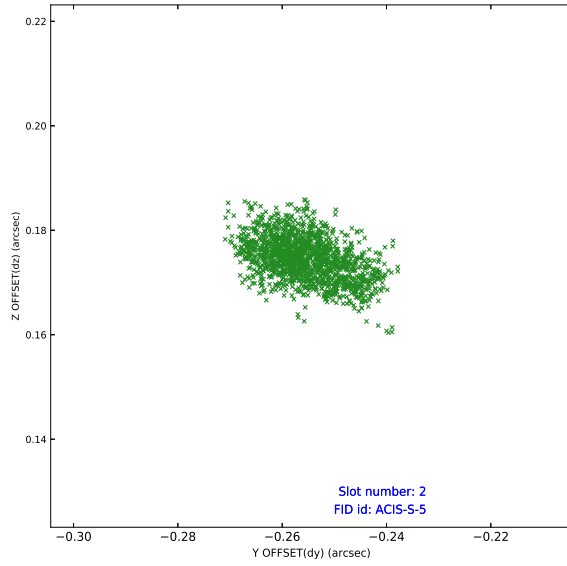
2.5.1 Slot 0



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)	2020.10.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0667000467777

A.2 Comments