

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20766 - L2 Version 2
Chandra X-Ray Center

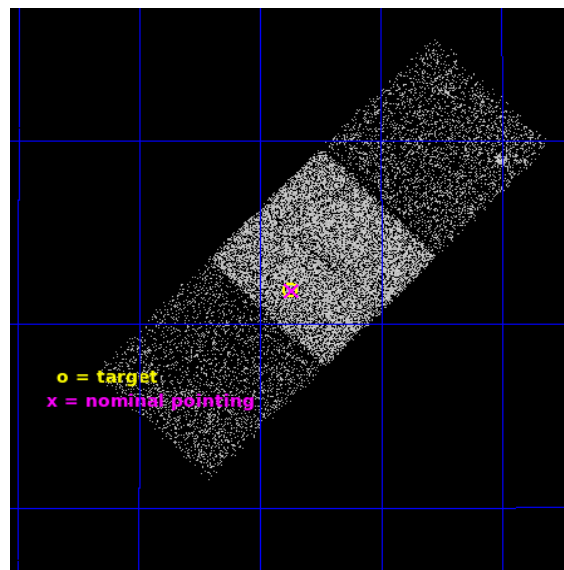
L2 Processing Date : Oct 24 2020

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1 Front

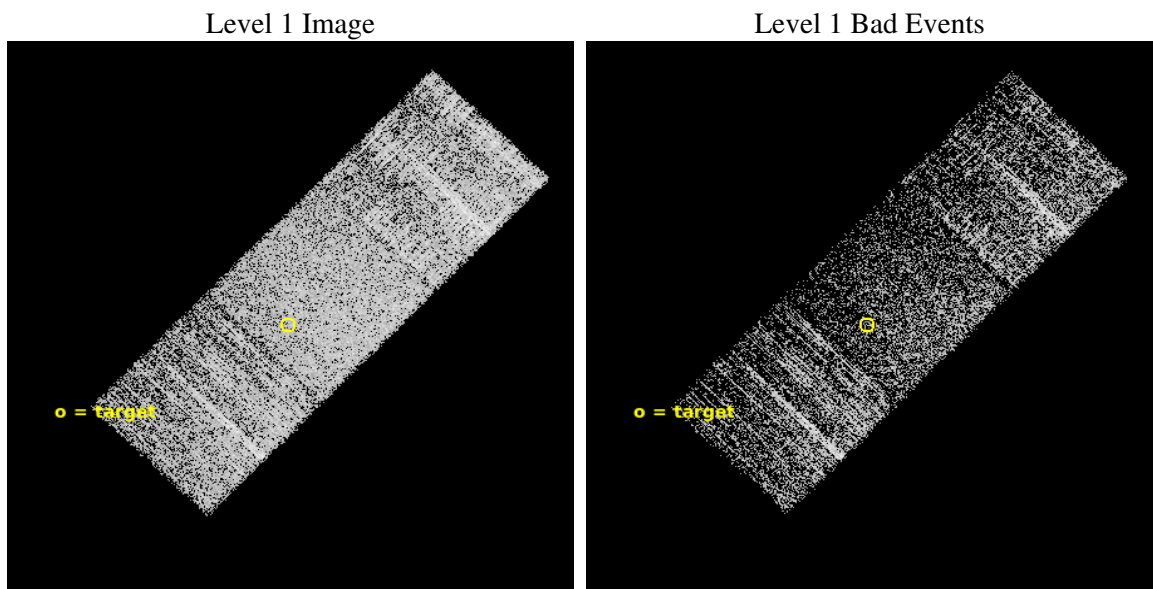
seq_num	703631	Sequence number
obs_id	20766	Observation id
title	A Chandra Snapshot Survey of Extremely Red Quasars from SDSS BOSS and WISE	Proposal title
observer	Gordon Garmire	Principal investigator
object	J0152+3231	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	28.094167	Observer's specified target RA [deg]
dec_targ	32.531306	Observer's specified target Dec [deg]
ra_nom	28.092159995206	Nominal RA [deg]
dec_nom	32.530462295722	Nominal Dec [deg]
roll_nom	314.1446085277	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4110.6000317335	Sum of GTIs [s]
livetime	4056.8920161392	Livetime [s]
ontime6	4110.6000317335	Sum of GTIs [s]
ontime7	4110.6000317335	Sum of GTIs [s]
ontime8	4110.6000317335	Sum of GTIs [s]
l2events	22950	Number of level 2 events



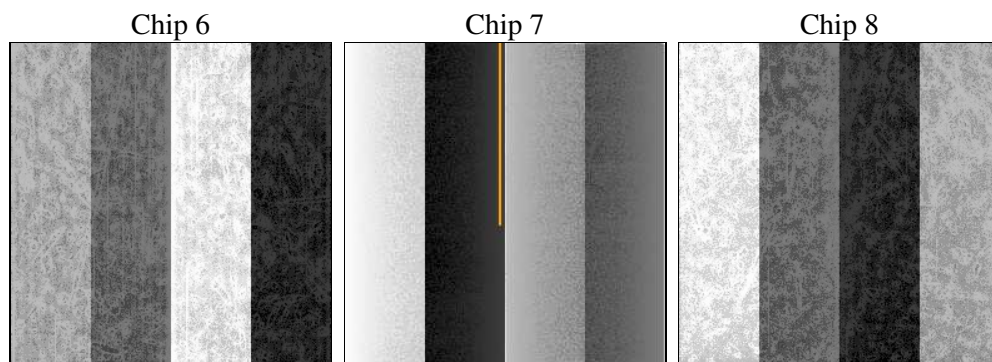
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	4110.6000317335	Sum of GTIs [s]
caldsver	4.9.3	 	ontime6	4110.6000317335	Sum of GTIs [s]
date	2020-10-25T00:30:50	Date and time of file creation	ontime7	4110.6000317335	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	4110.6000317335	Sum of GTIs [s]
			l1events	109773	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	30953	37953	40867
rejected events	27568	21230	29341
rejected %	89%	55%	71%

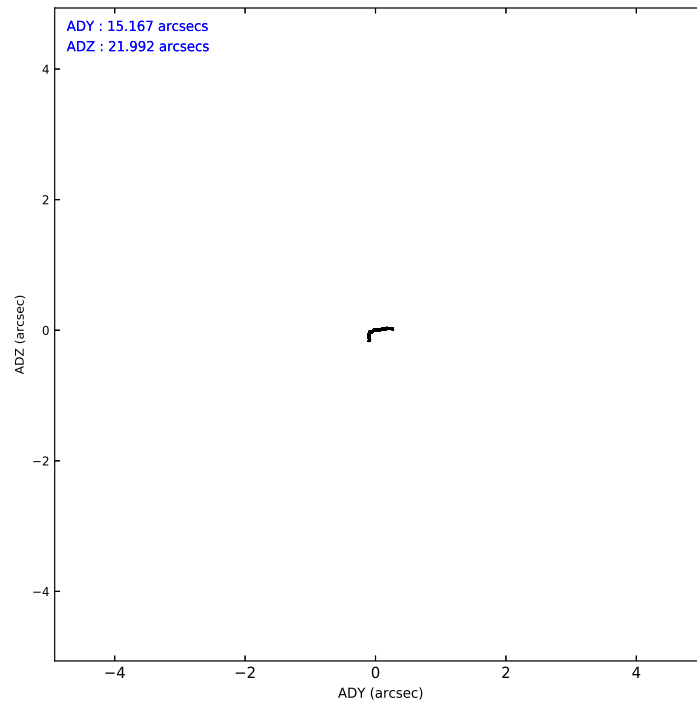
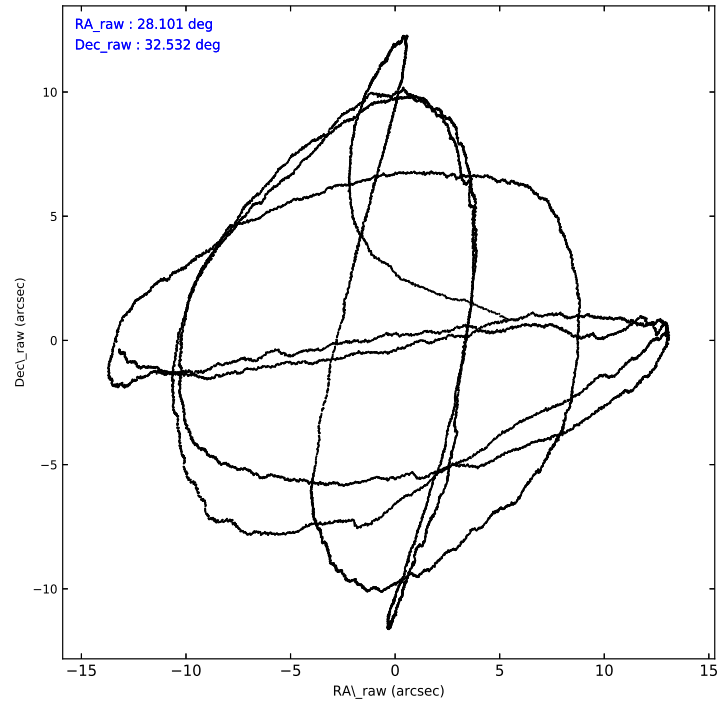
	ccd 6	ccd 7	ccd 8
grade 0 events	1193	1463	3515
	3%	3%	8%
grade 1 events	16	75	29
	0%	0%	0%
grade 2 events	796	3472	2788
	2%	9%	6%
grade 3 events	312	1365	1214
	1%	3%	2%
grade 4 events	308	1397	1095
	0%	3%	2%
grade 5 events	1410	3791	2188
	4%	9%	5%
grade 6 events	778	9049	2950
	2%	23%	7%
grade 7 events	26140	17341	27088
	84%	45%	66%

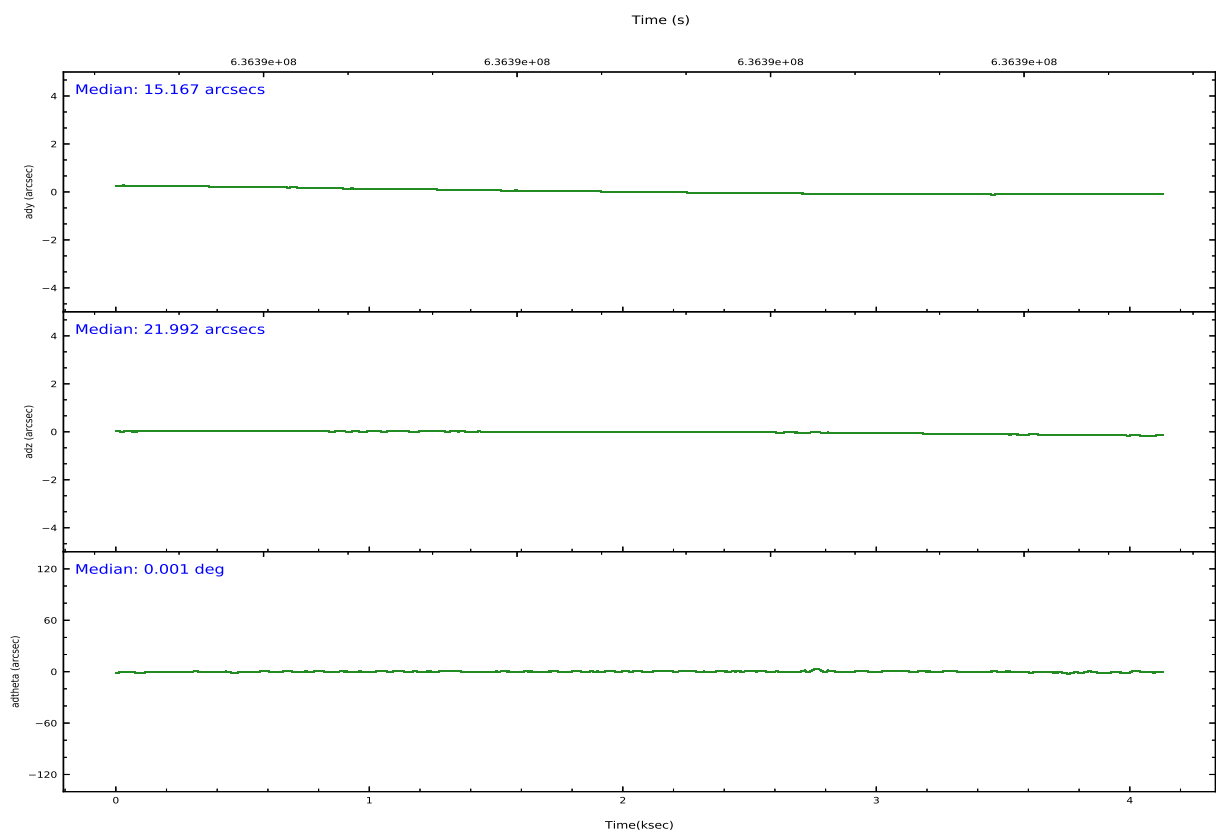
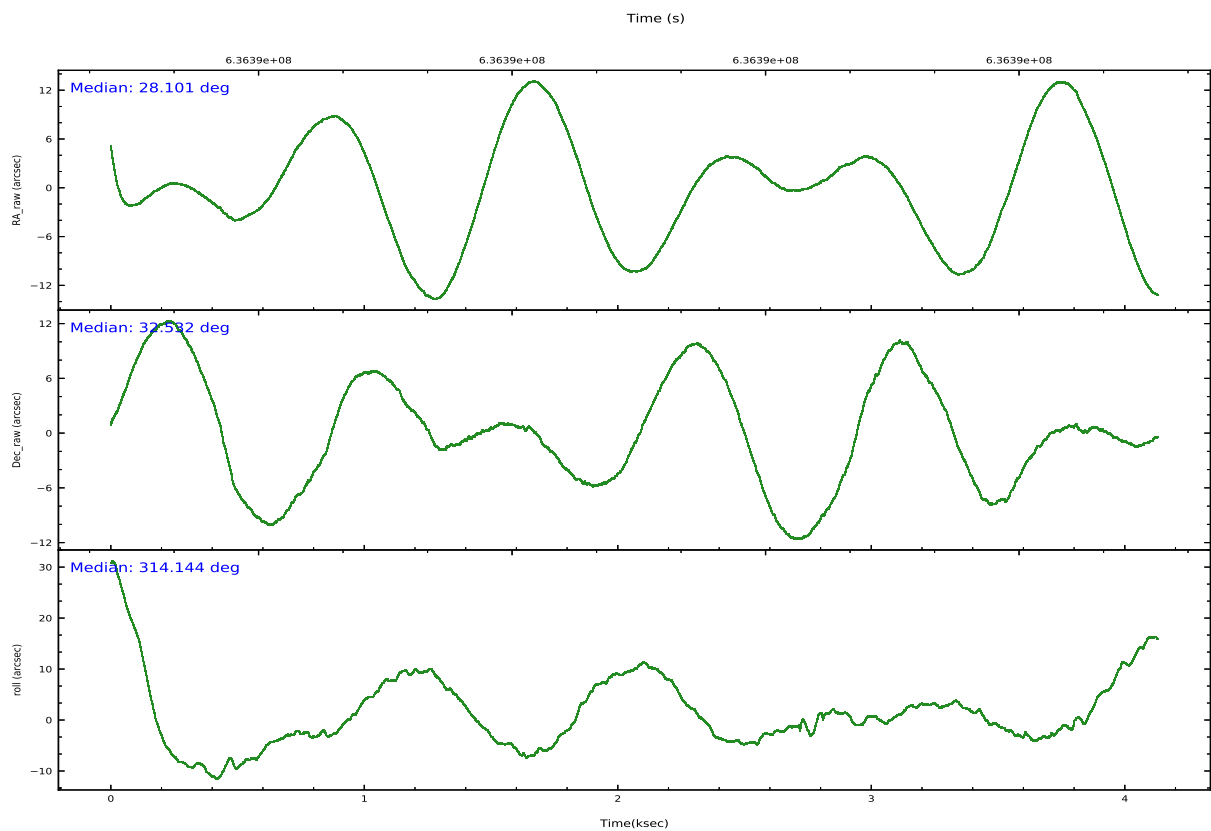
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	28.069707	28.092159995206
[deg] Pointing Dec	32.538701	32.530462295722
[deg] Pointing Roll	314.013152	314.1446085277
[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)	636385549.184000	636384077.2726001
Observation start date	2018-03-02T13:44:40	2018-03-02T13:21:17
[s] Observation end time (MET)	636389549.184000	636390575.77298
Observation end date	2018-03-02T14:51:20	2018-03-02T15:09:35
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



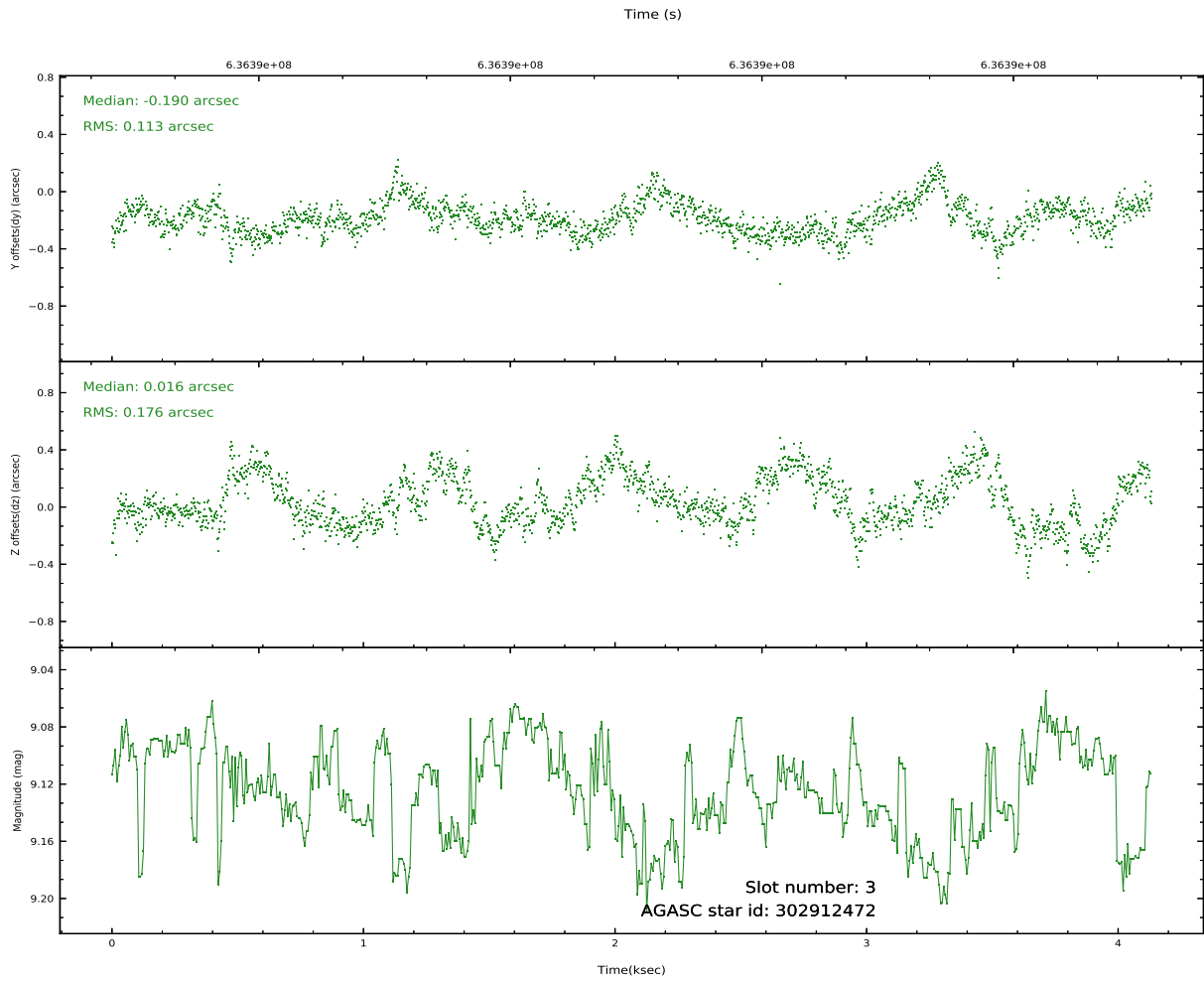
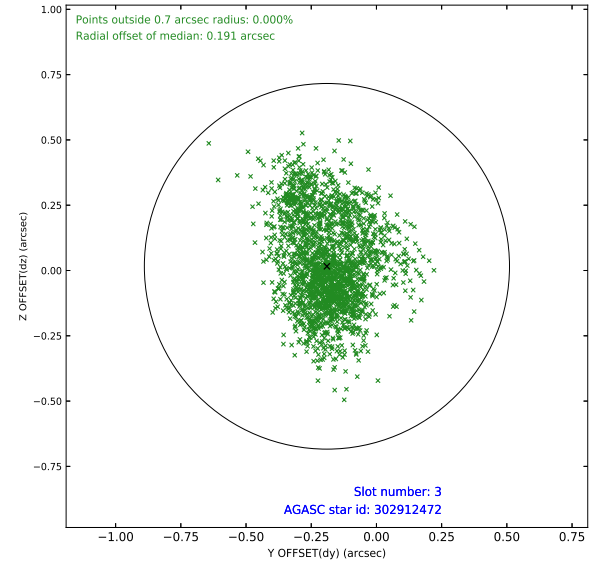
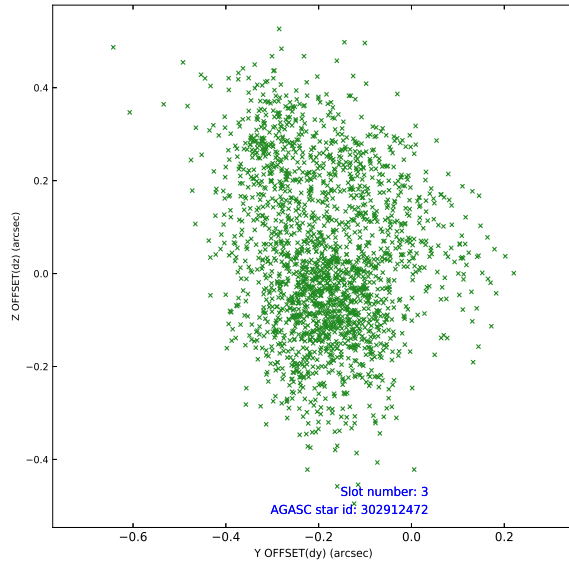


Slot Statistics

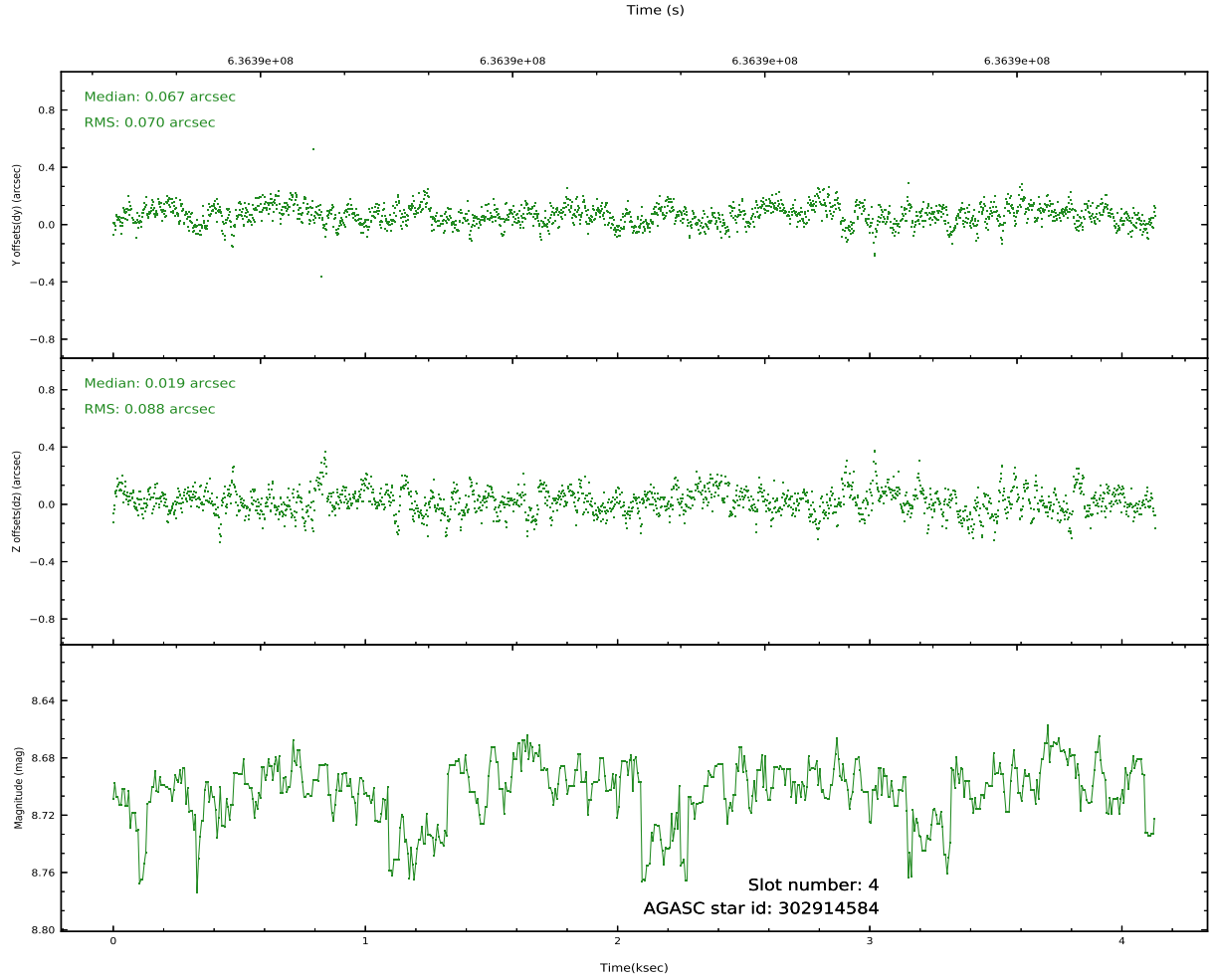
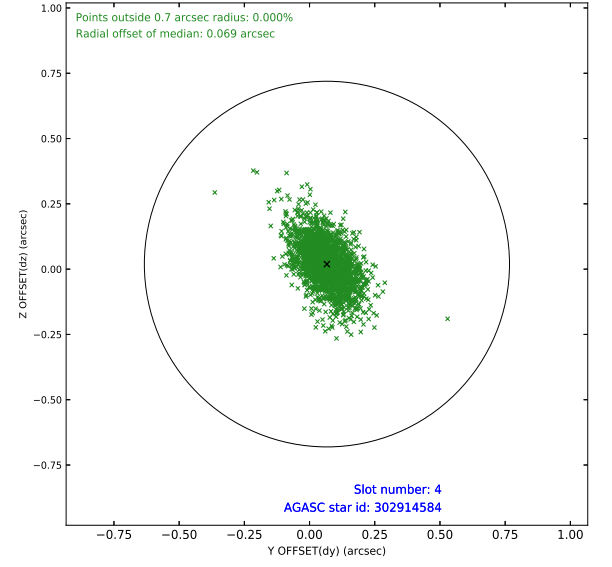
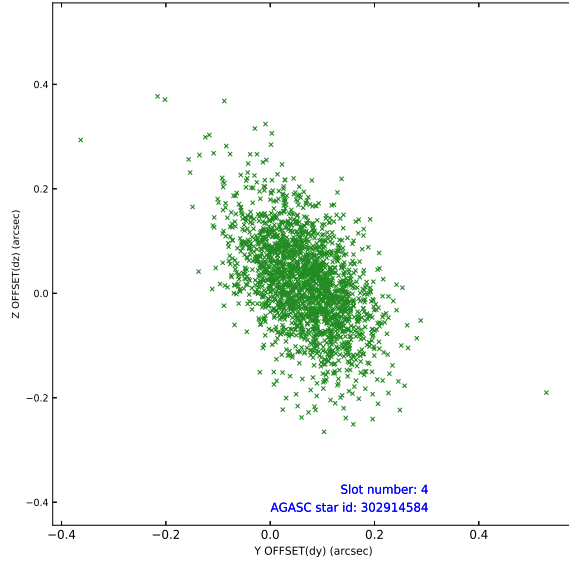
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.98	1008	1.000	0.001	0.009	0.008	0.014	0.000000	0.000000	-768.33	-1743
1	FID		ACIS-S-4	7.08	1006	1.000	0.063	-0.030	0.007	0.013	0.000000	0.000000	2144.49	163
2	FID		ACIS-S-6	7.23	1006	1.000	-0.092	0.028	0.007	0.013	0.000000	0.000000	395.72	802
3	GUIDE	used	302912472	9.12	2015	1.000	-0.190	0.016	0.228	0.359	27.564414	32.657743	-1374.00	-801
4	GUIDE	used	302914584	8.70	2015	1.000	0.067	0.019	0.114	0.203	28.248666	32.211086	1226.72	-427
5	GUIDE	used	302917816	9.43	2014	1.000	-0.077	0.030	0.214	0.328	28.942477	32.424544	2131.76	1628
6	GUIDE	used	302919944	8.24	2016	1.000	0.127	-0.024	0.193	0.301	28.375920	31.940576	2199.93	-821
7	GUIDE	used	302921544	8.88	2012	1.000	0.070	-0.060	0.220	0.326	28.391072	31.999644	2078.40	-642

2.4 Star Slots

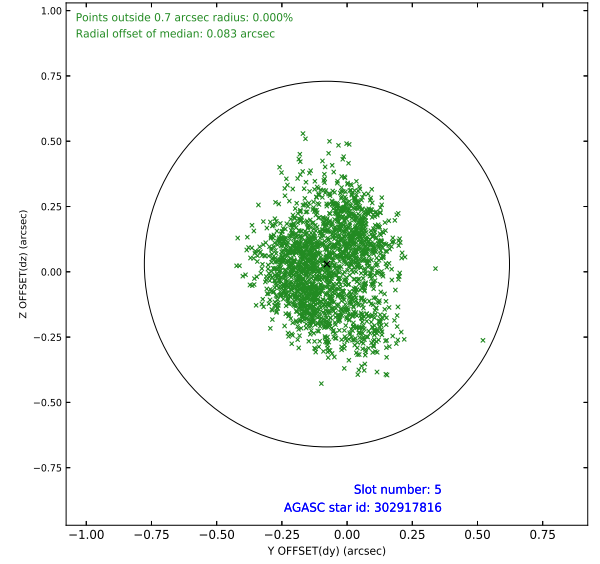
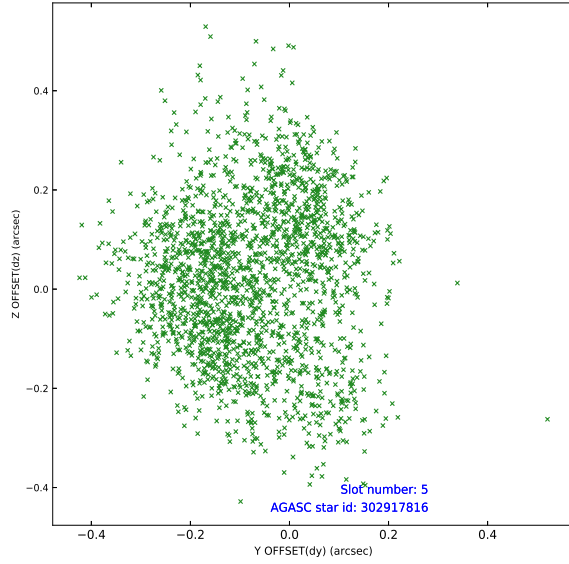
2.4.1 Slot 3



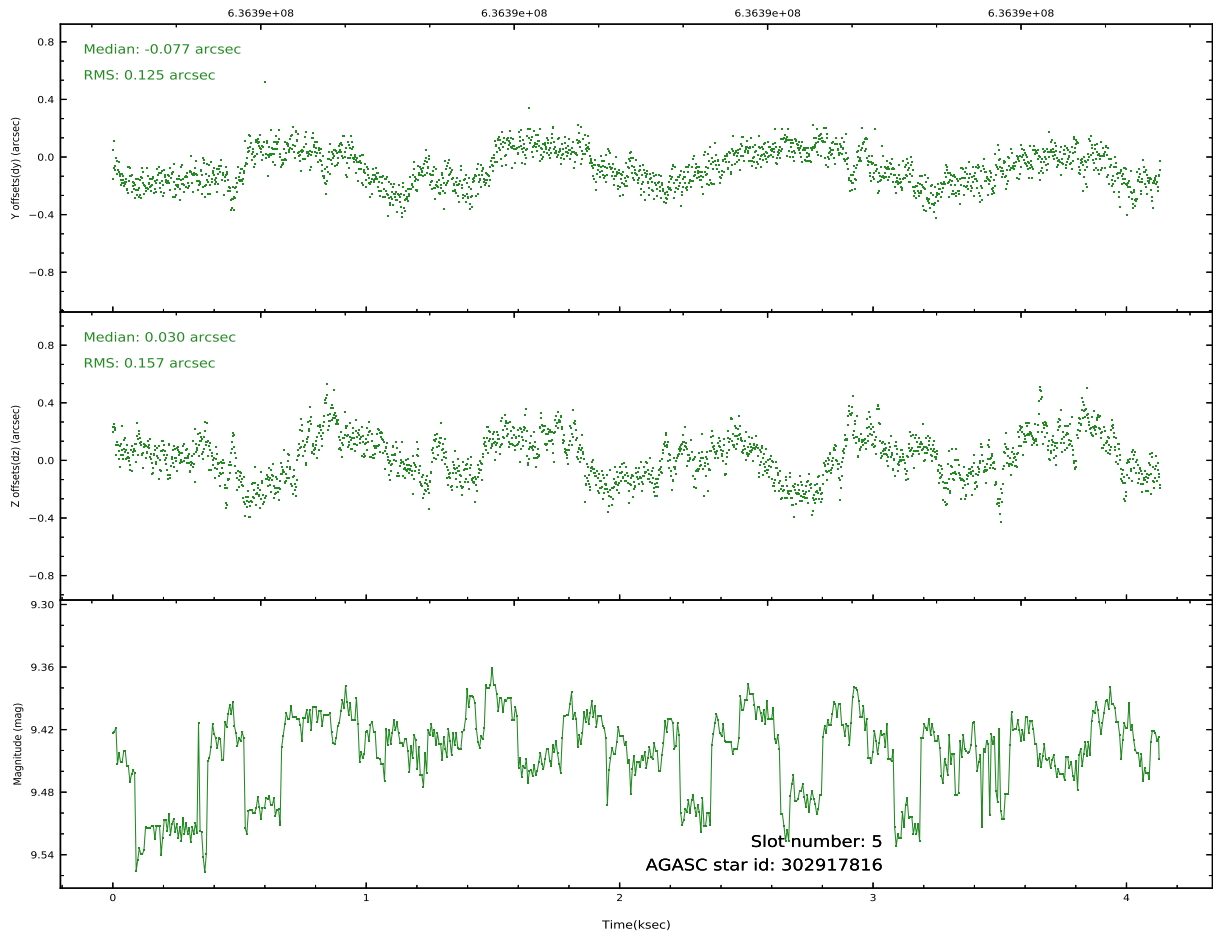
2.4.2 Slot 4



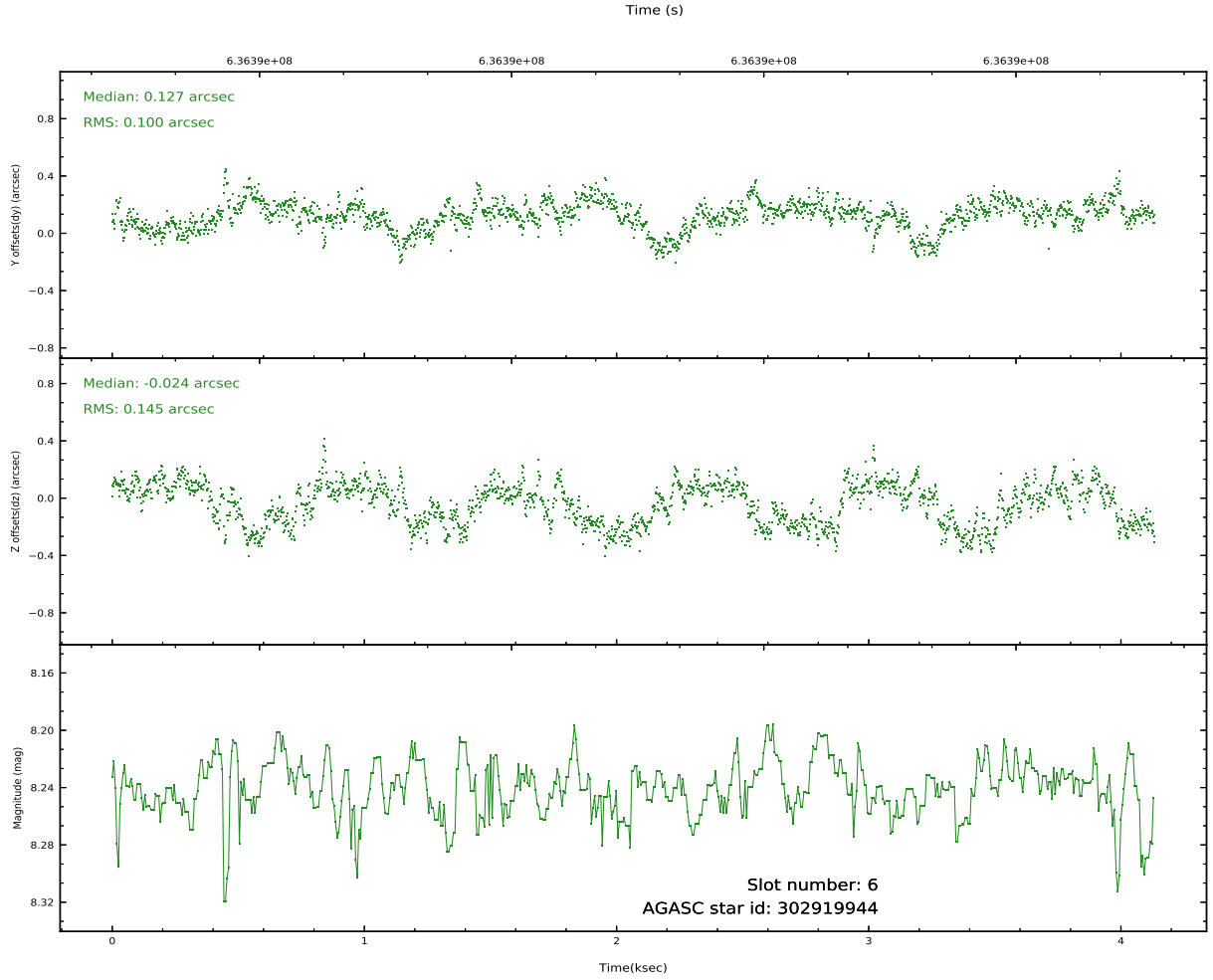
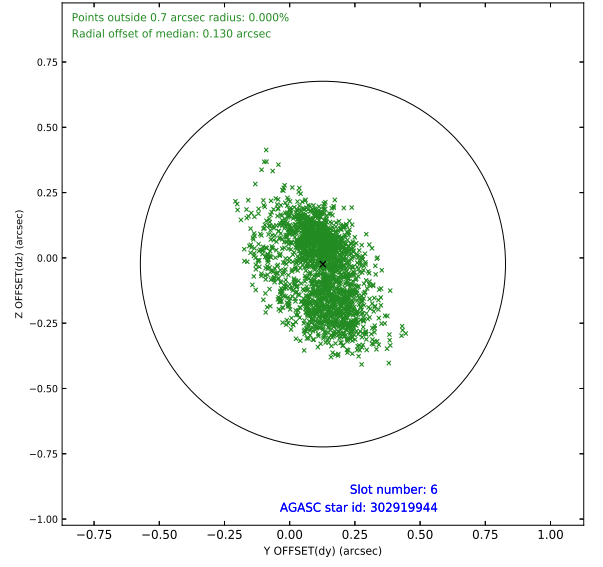
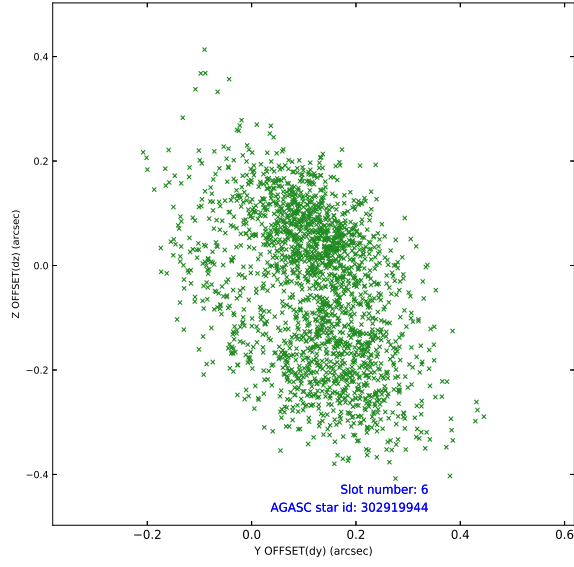
2.4.3 Slot 5



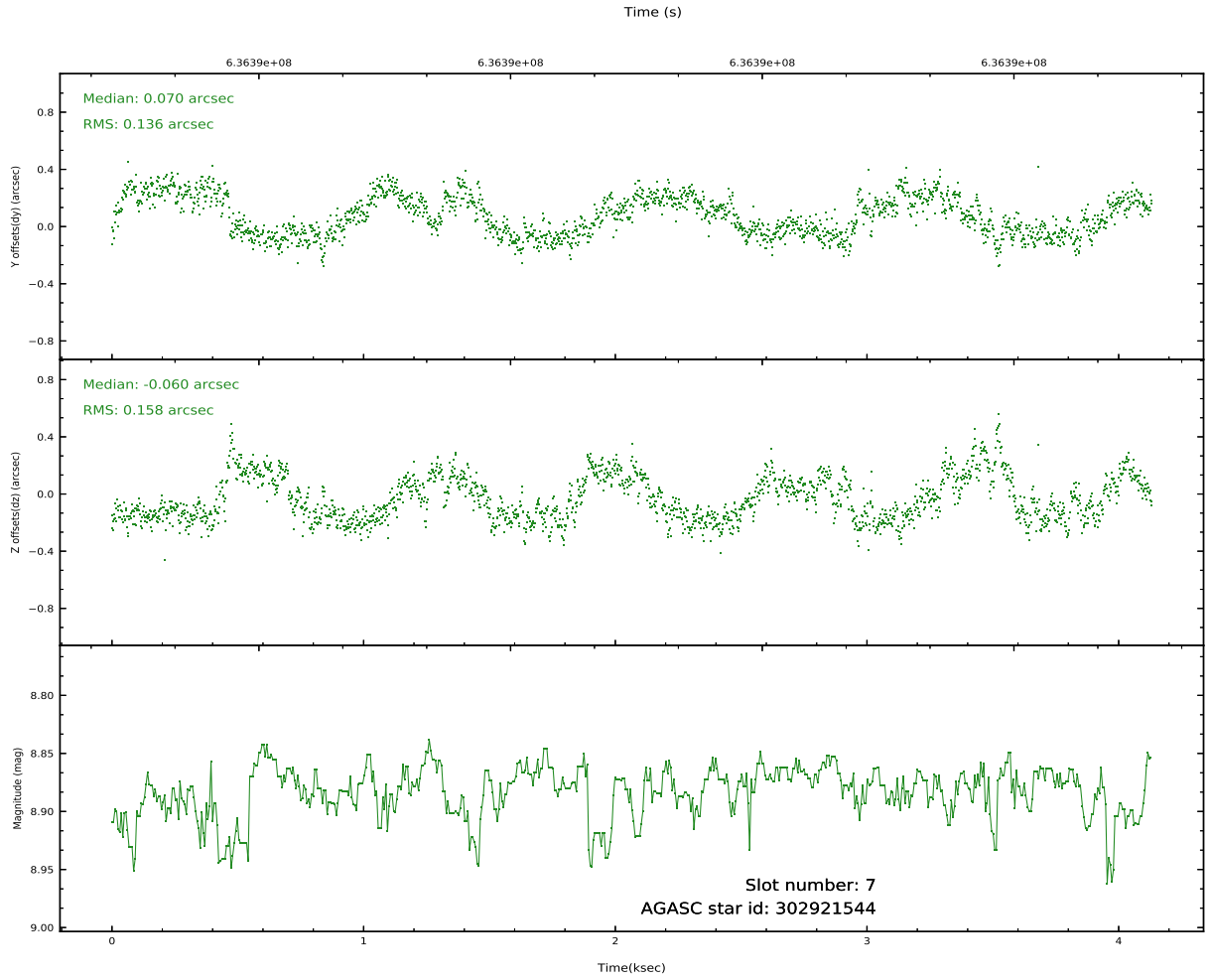
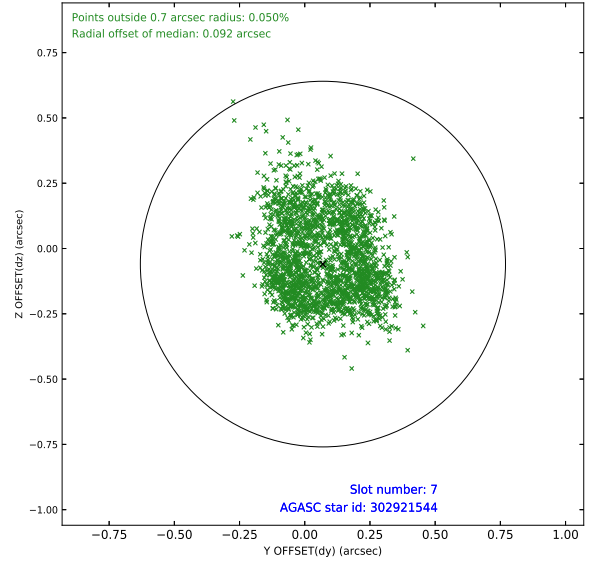
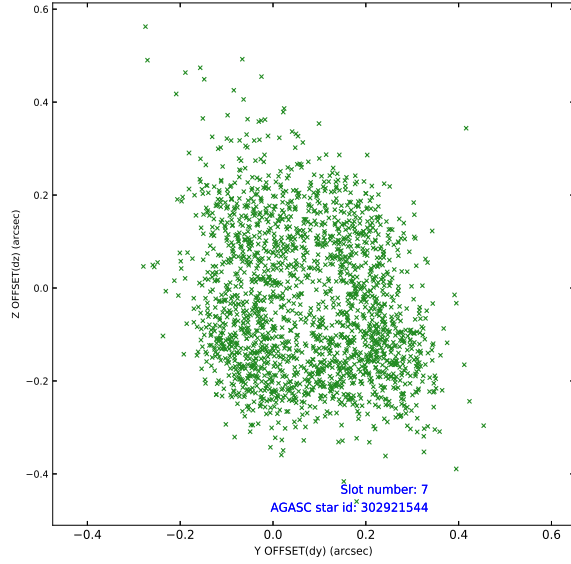
Time (s)



2.4.4 Slot 6

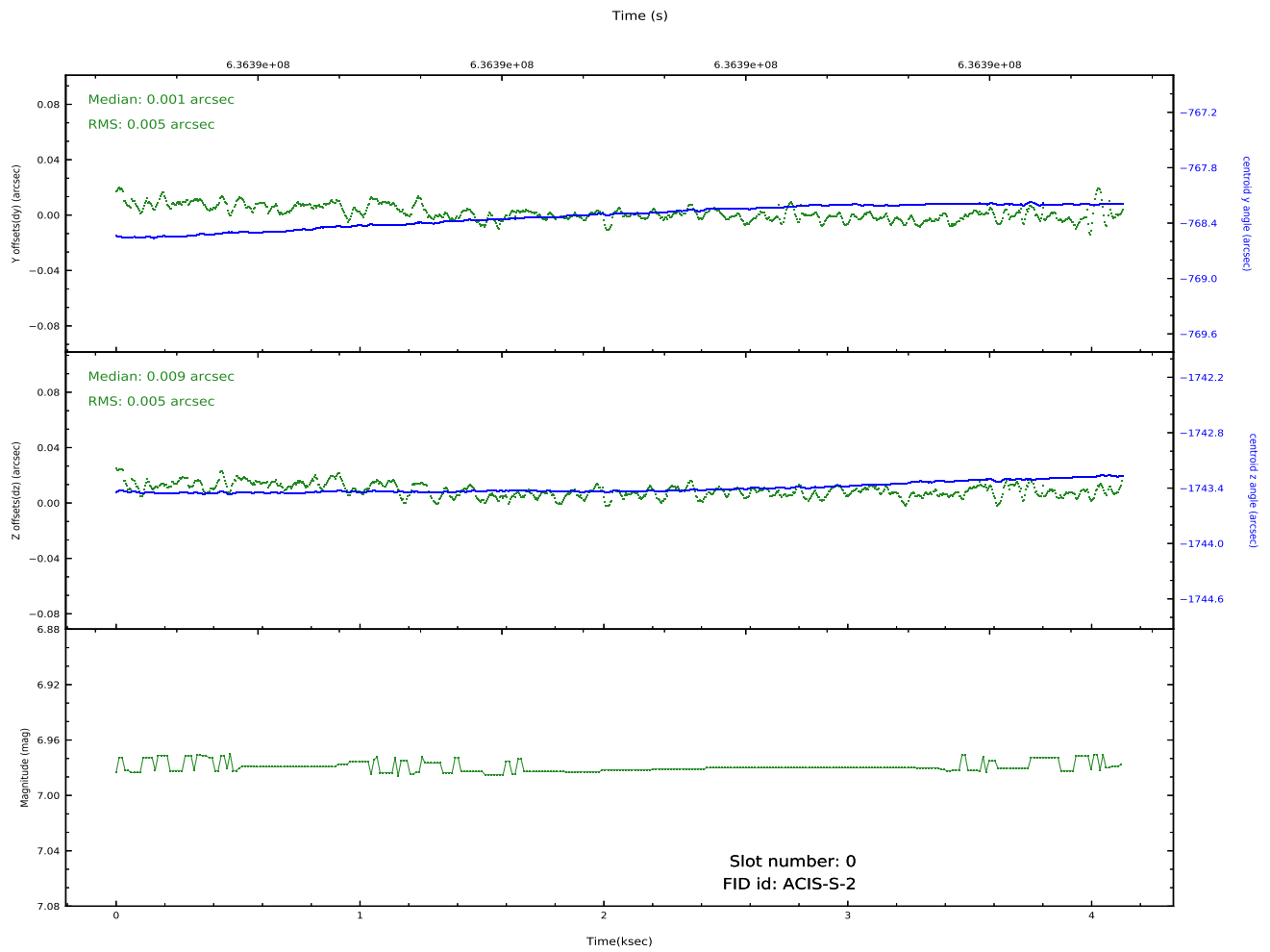
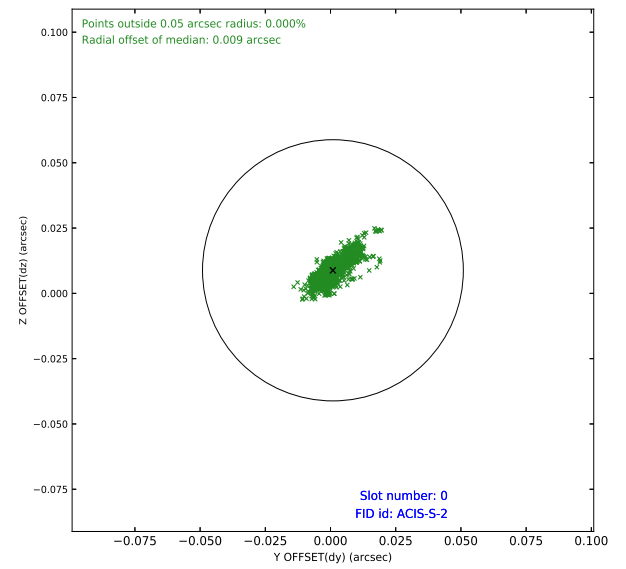
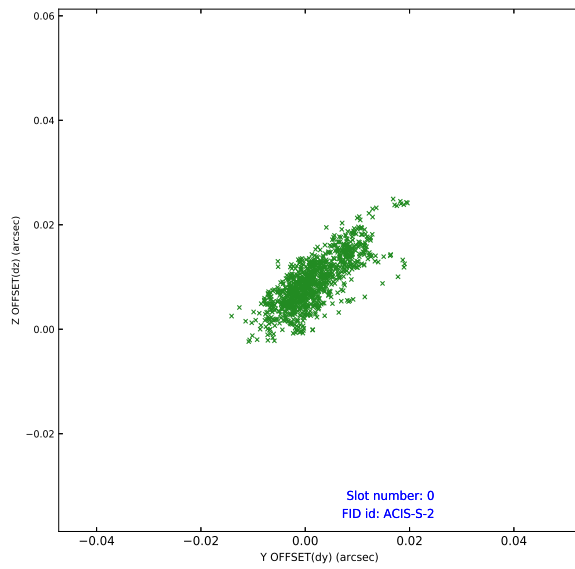


2.4.5 Slot 7

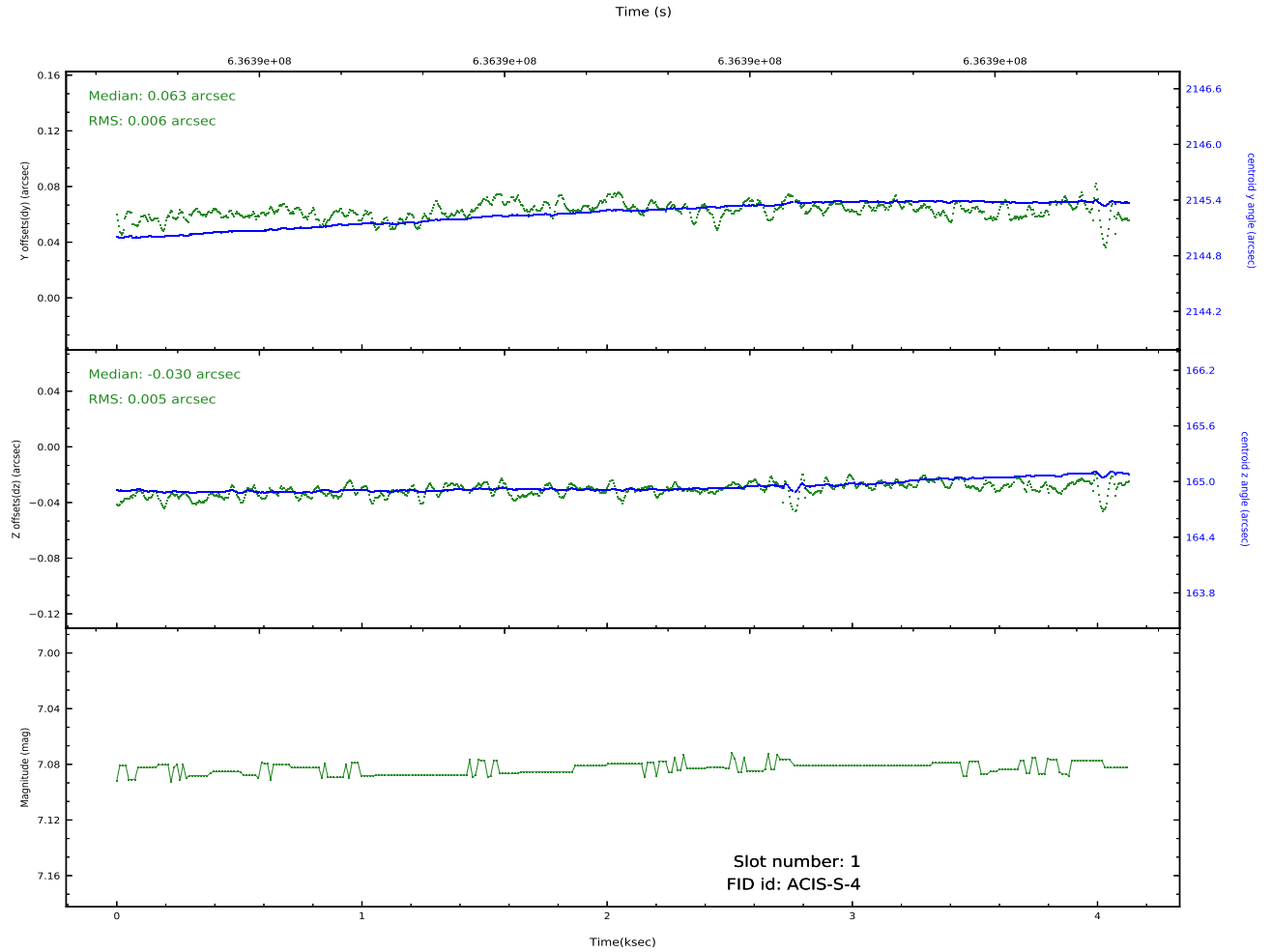
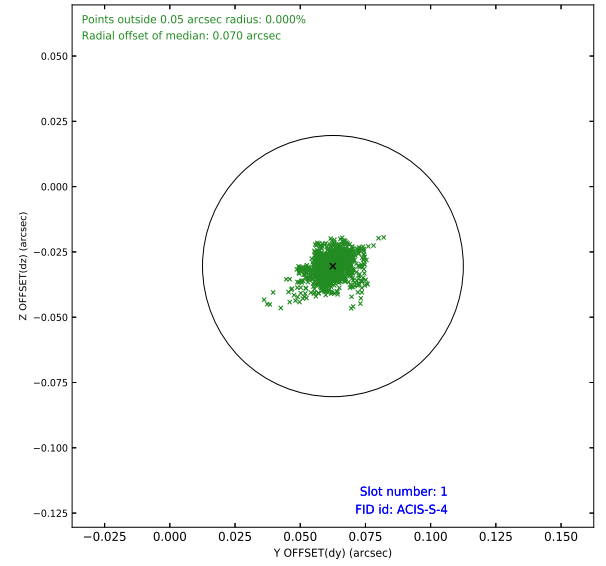
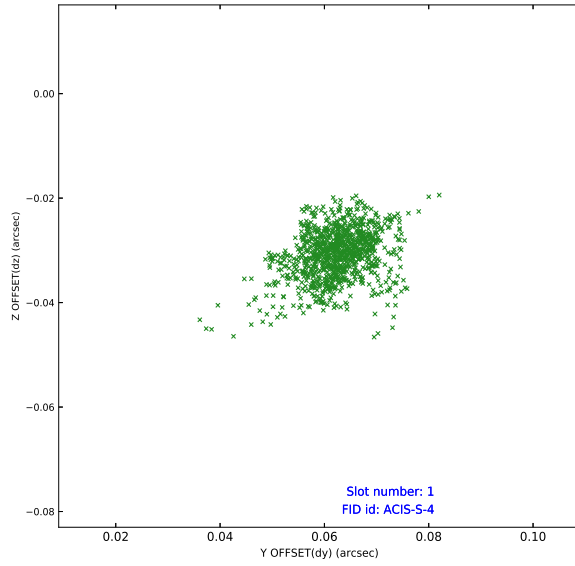


2.5 FID Slots

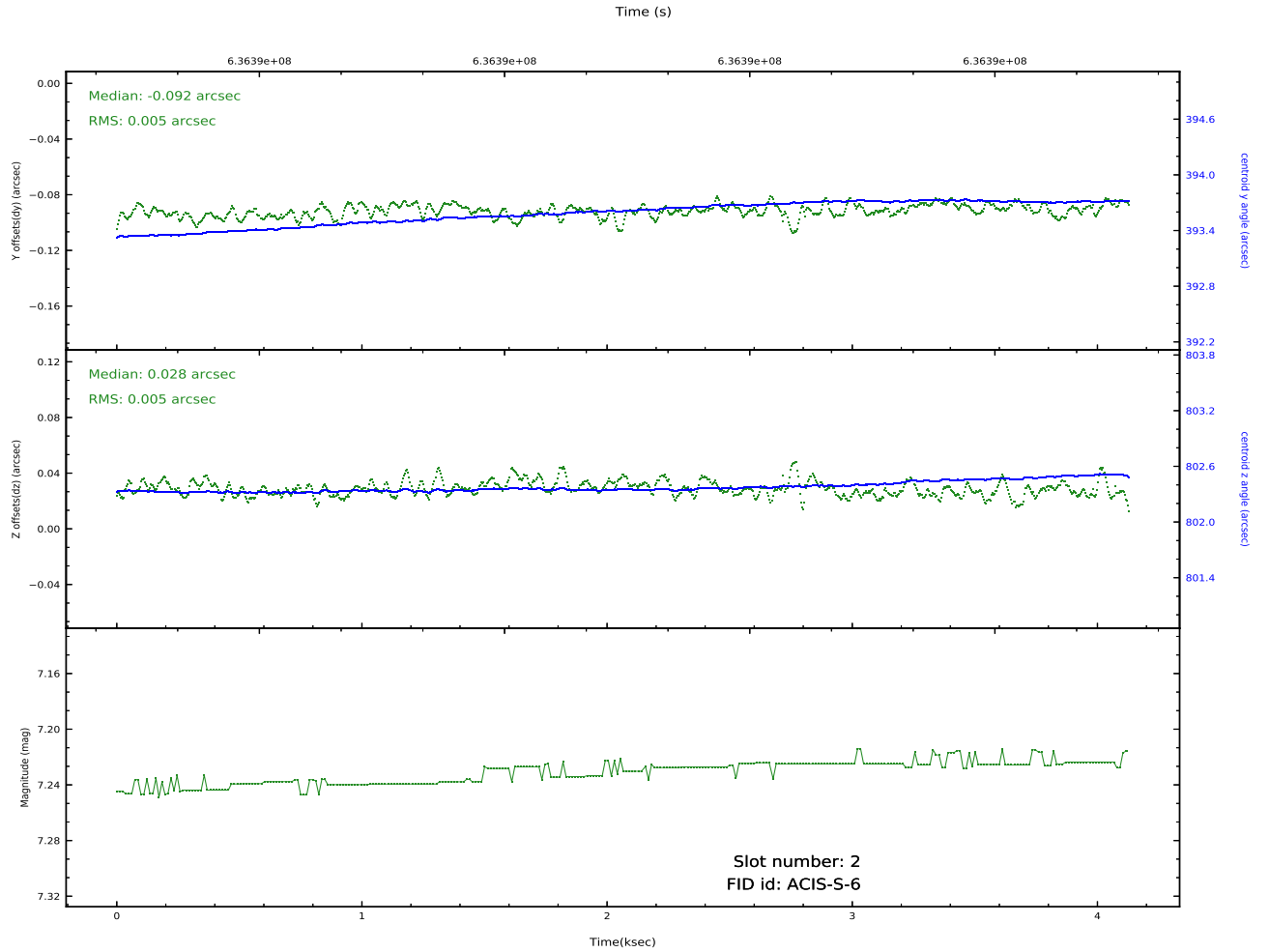
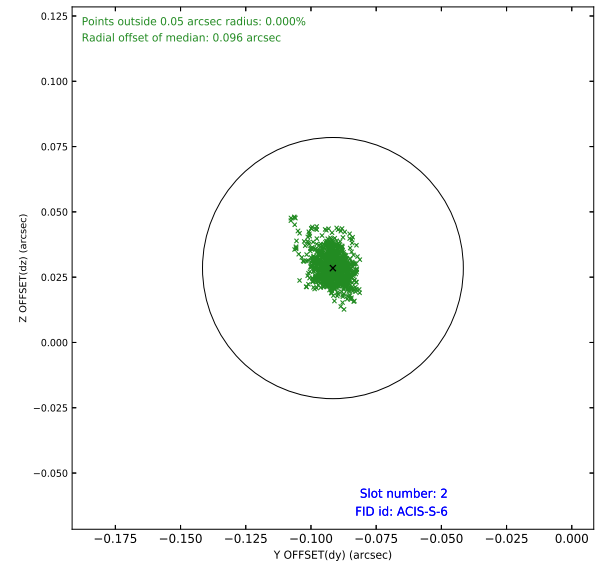
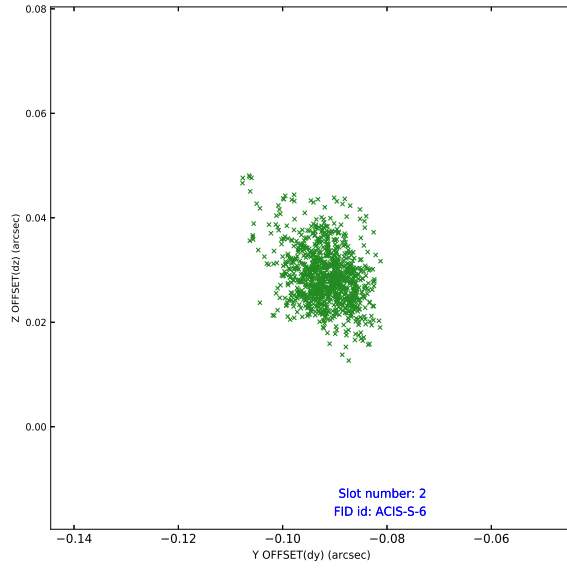
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1106000317335

A.2 Comments