

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20760 - L2 Version 2
Chandra X-Ray Center

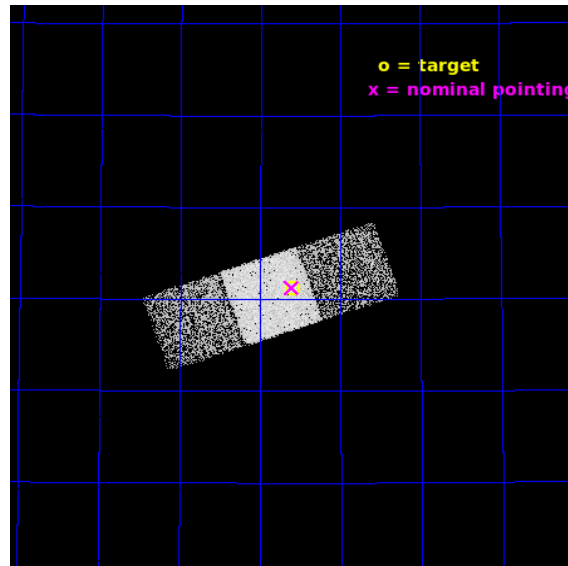
L2 Processing Date : Oct 25 2020

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1 Front

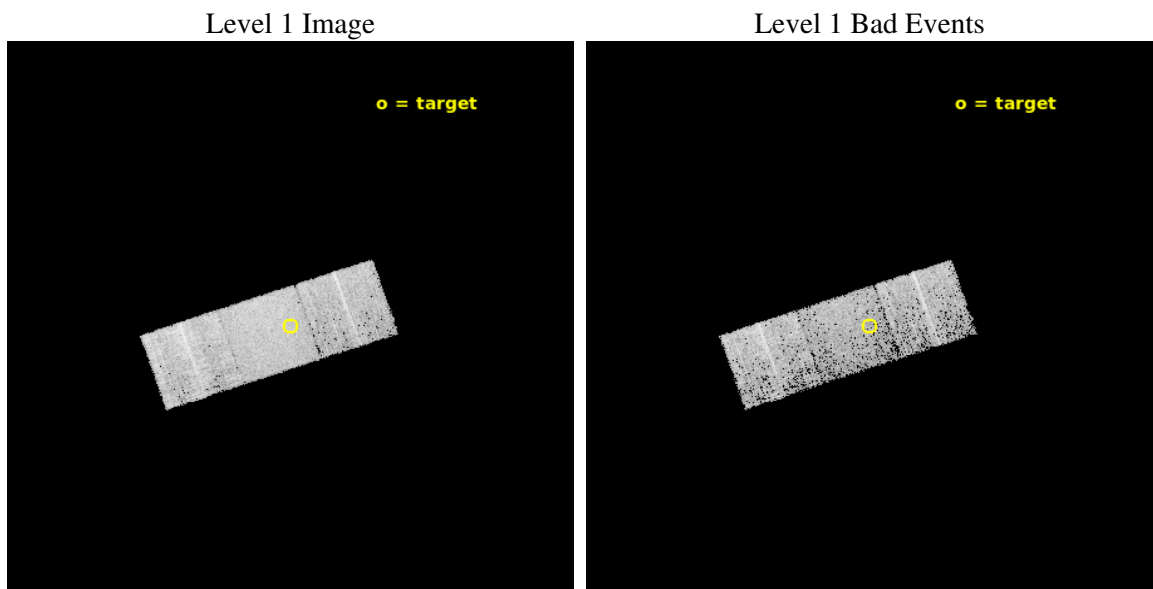
seq_num	703625	Sequence number
obs_id	20760	Observation id
title	A Chandra Snapshot Survey of Extremely Red Quasars from SDSS BOSS and WISE	Proposal title
observer	Gordon Garmire	Principal investigator
object	J1309+5601	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.400417	Observer's specified target RA [deg]
dec_targ	56.019806	Observer's specified target Dec [deg]
ra_nom	197.40165411811	Nominal RA [deg]
dec_nom	56.021014885056	Nominal Dec [deg]
roll_nom	161.04482897244	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4107.5000317097	Sum of GTIs [s]
livetime	4053.8325198979	Livetime [s]
ontime6	4107.5000317097	Sum of GTIs [s]
ontime7	4107.5000317097	Sum of GTIs [s]
ontime8	4104.3590414524	Sum of GTIs [s]
l2events	23334	Number of level 2 events



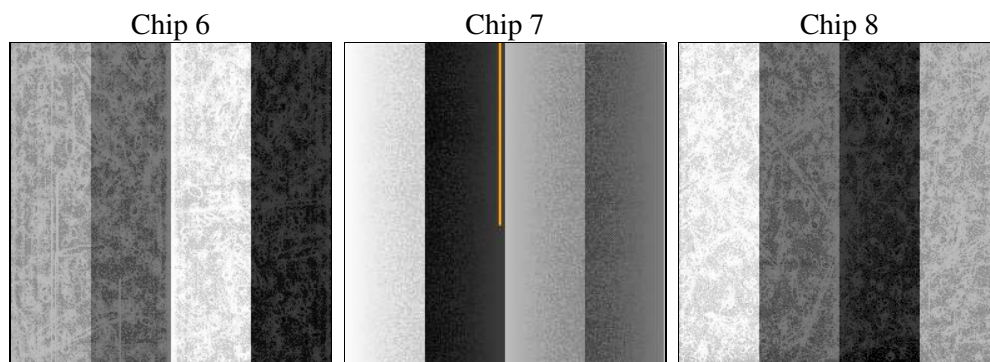
2 OBI

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	4107.5000317097	Sum of GTIs [s]
caldsver	4.9.3	 	ontime6	4107.5000317097	Sum of GTIs [s]
date	2020-10-25T04:17:39	Date and time of file creation	ontime7	4107.5000317097	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	4104.3590414524	Sum of GTIs [s]
			l1events	111878	Number of level 1 events

2.1.4 Events

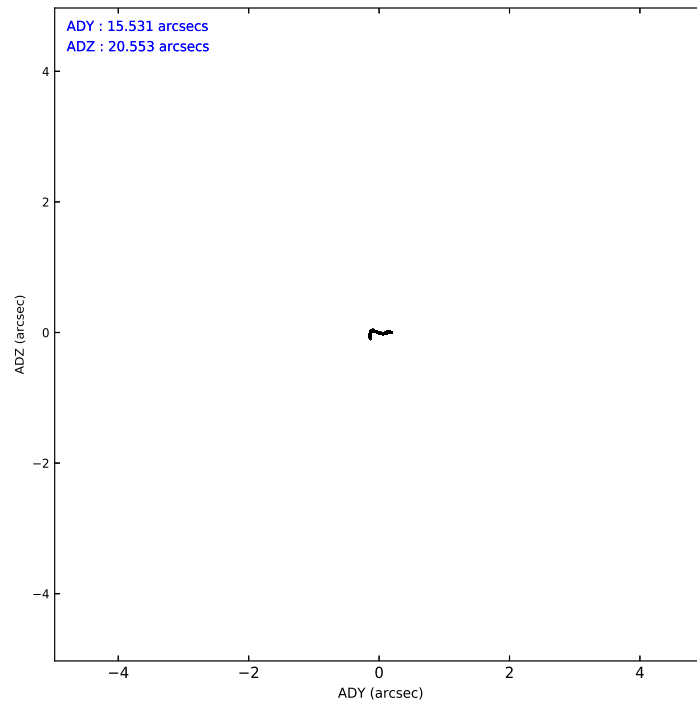
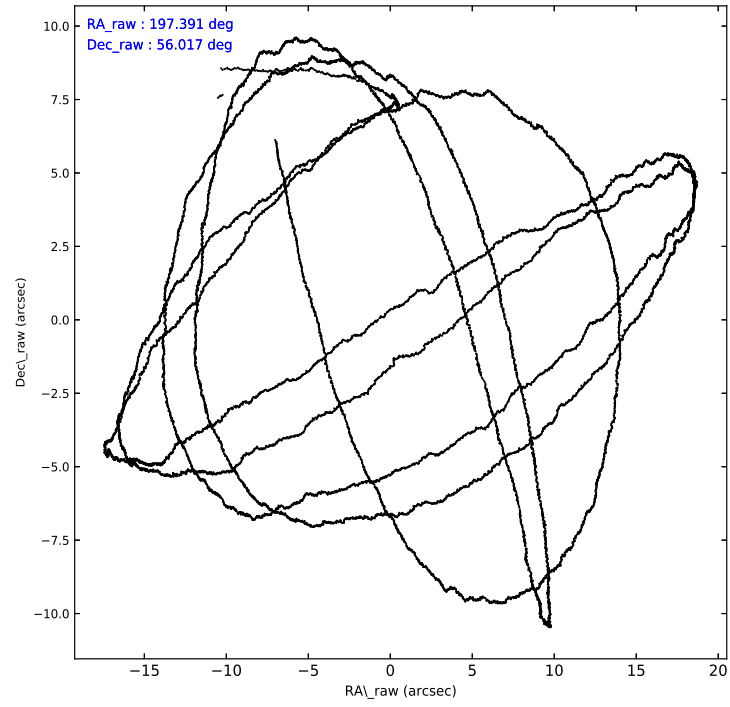
	ccd 6	ccd 7	ccd 8
level 1 events	31704	39218	40956
rejected events	28146	21954	30052
rejected %	88%	55%	73%

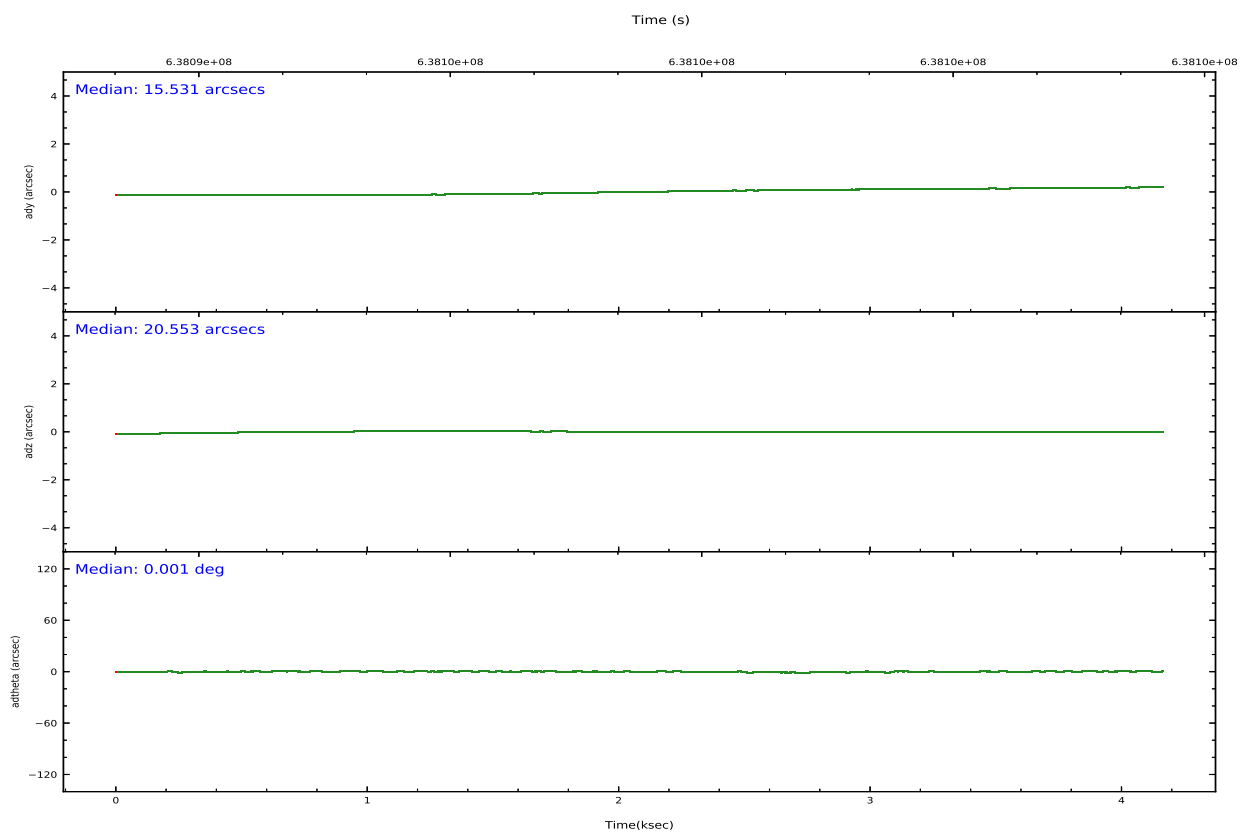
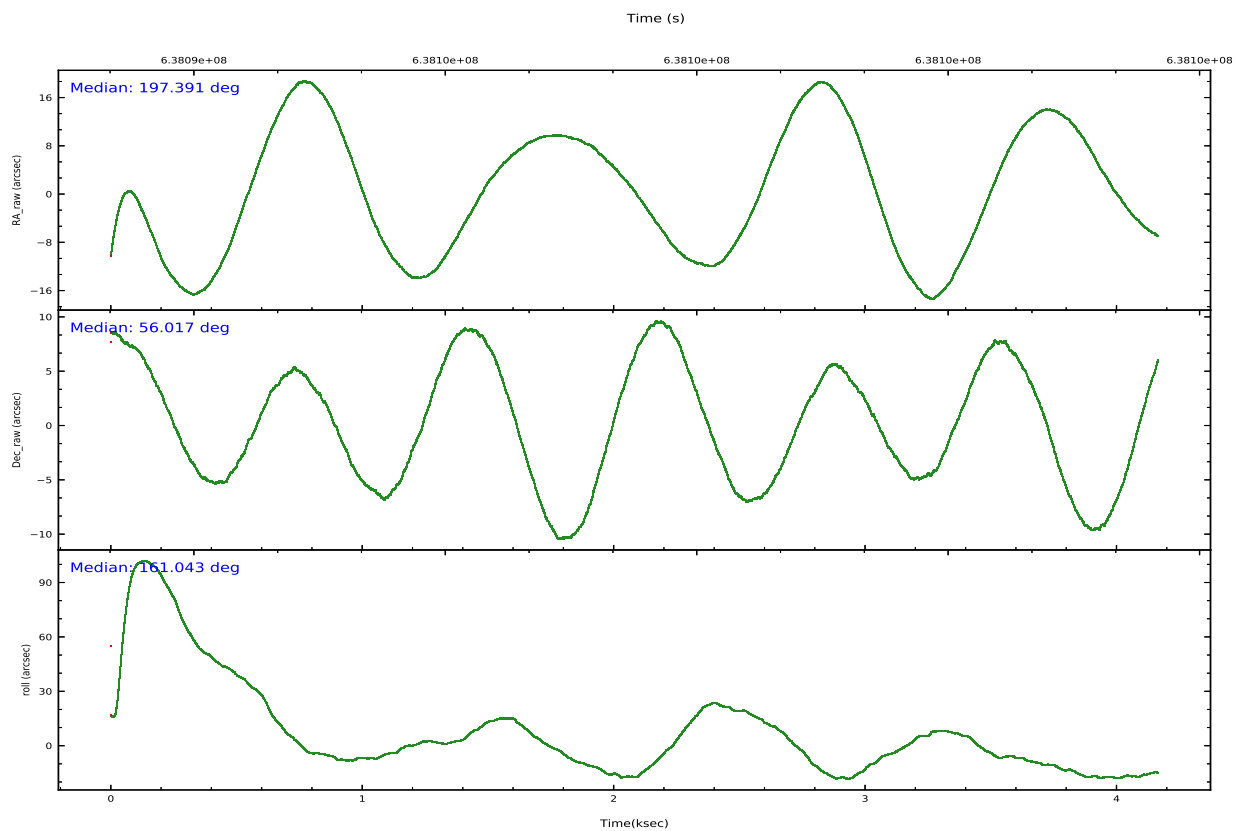
	ccd 6	ccd 7	ccd 8
grade 0 events	1160	1449	3020
	3%	3%	7%
grade 1 events	16	62	30
	0%	0%	0%
grade 2 events	886	3586	2611
	2%	9%	6%
grade 3 events	309	1354	1191
	0%	3%	2%
grade 4 events	314	1289	1102
	0%	3%	2%
grade 5 events	1356	3878	2150
	4%	9%	5%
grade 6 events	892	9612	3011
	2%	24%	7%
grade 7 events	26771	17988	27841
	84%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-678	ACIS-678	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	197.438967	197.40165411811	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.022501	56.021014885056	Alternating exposures requested	N	N
[deg] Pointing Roll	160.859958	161.04482897244	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	638093835.184000	638092624.76086			
Observation start date	2018-03-22T08:16:06	2018-03-22T07:57:04			
[s] Observation end time (MET)	638097835.184000	638098356.5612			
Observation end date	2018-03-22T09:22:46	2018-03-22T09:32:36			
Read mode	TIMED	TIMED			

2.3 Aspect



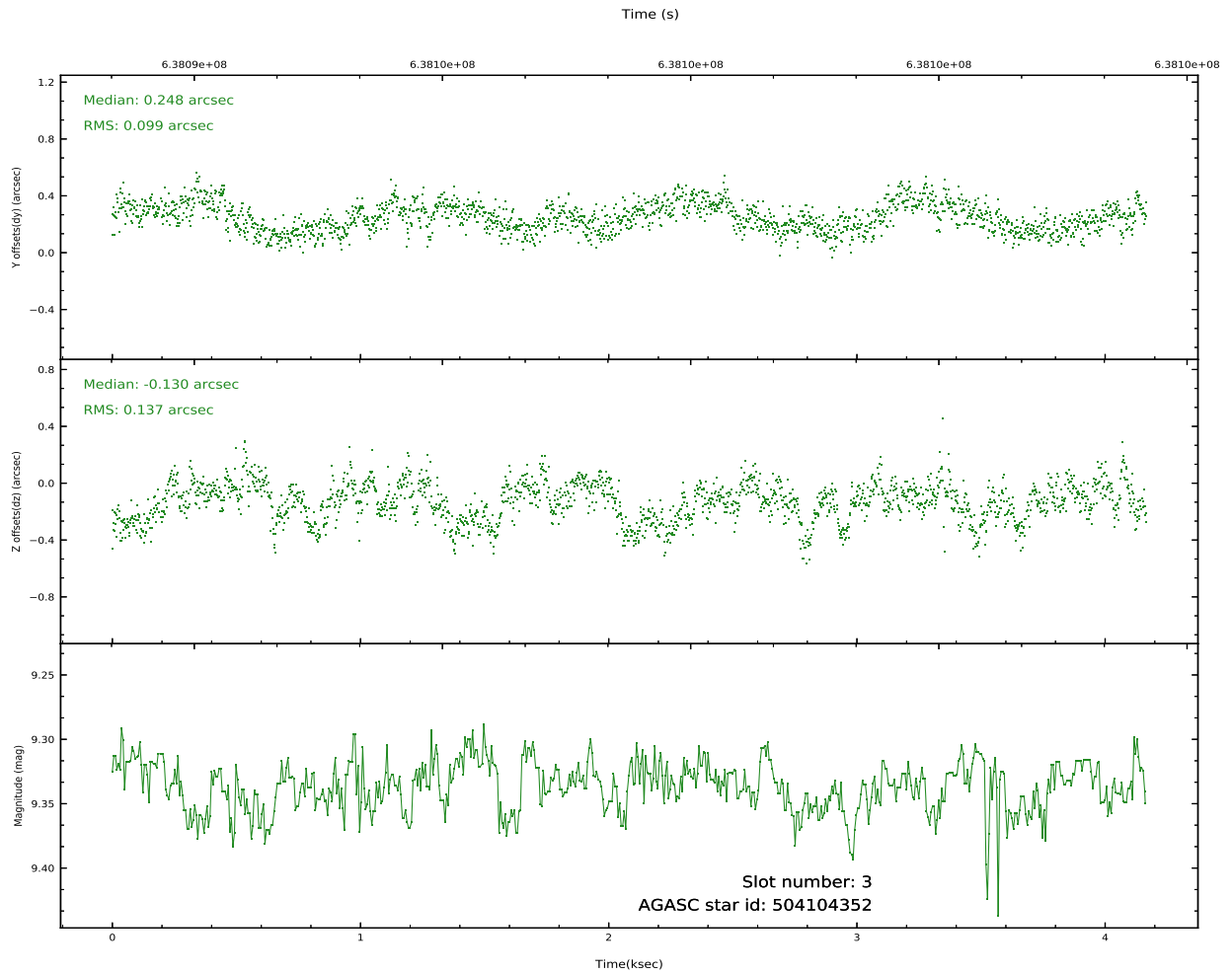
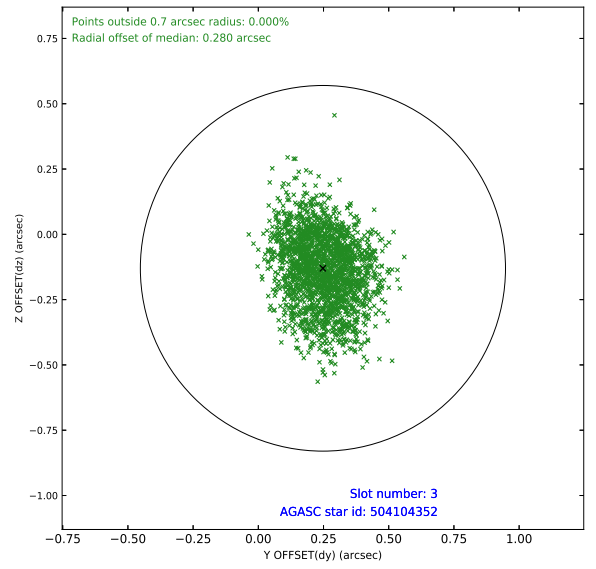
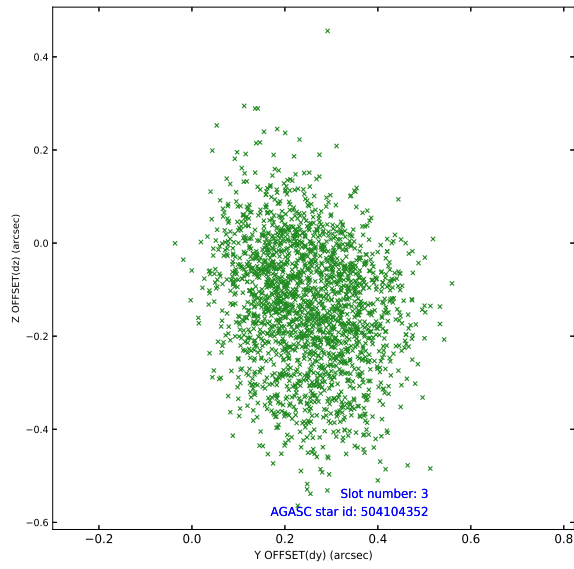


Slot Statistics

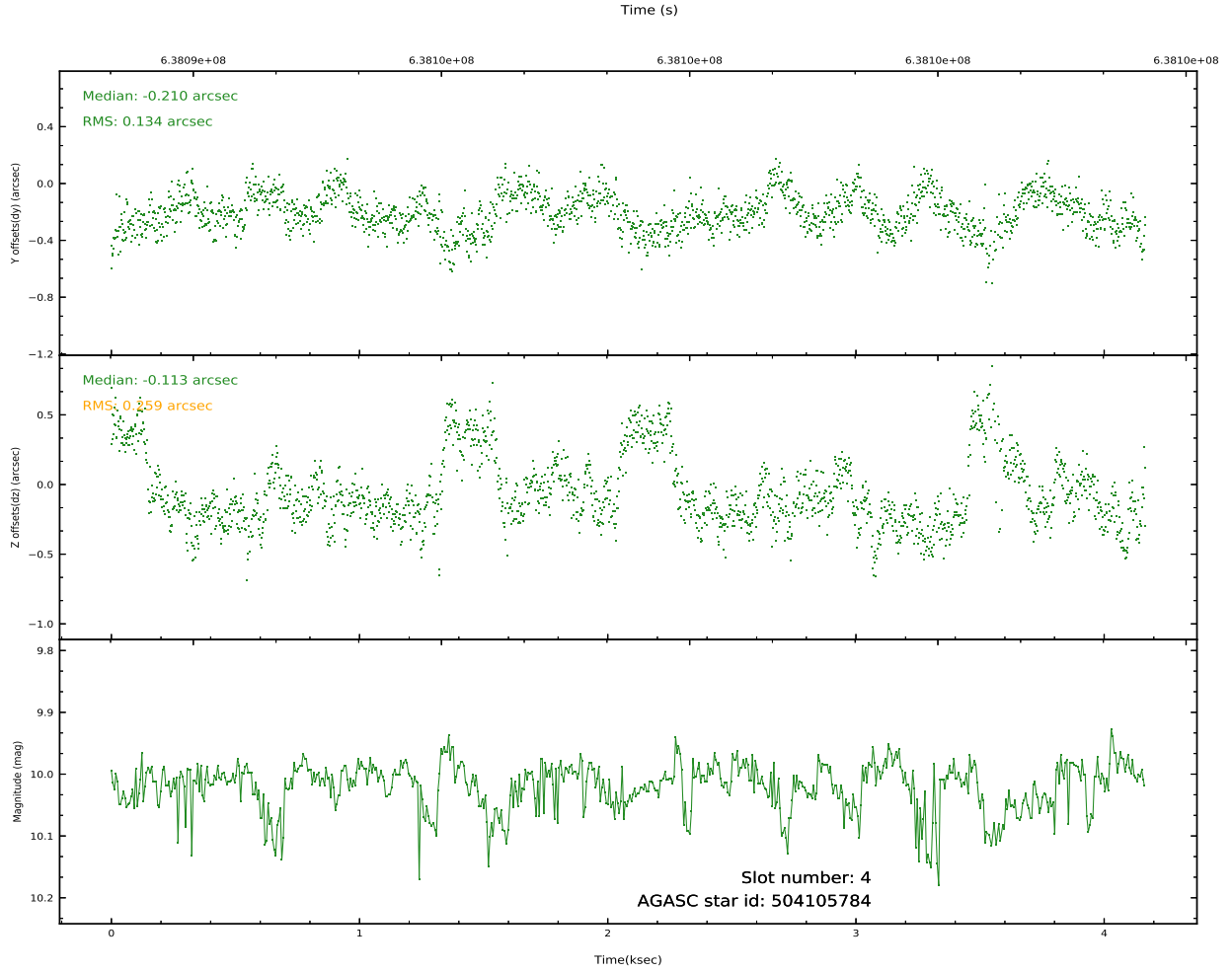
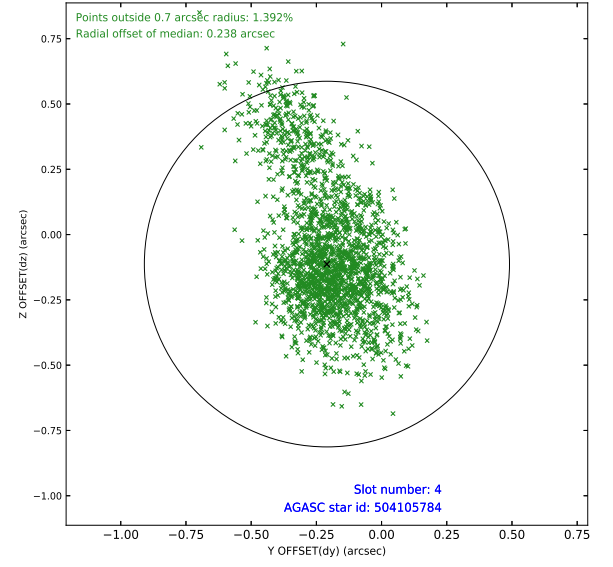
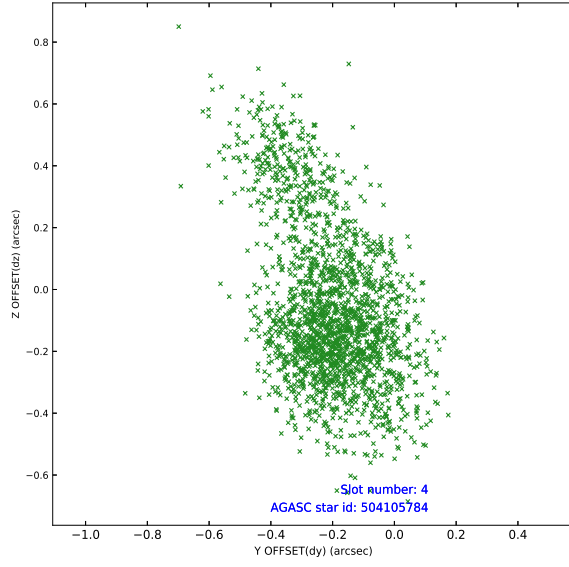
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.20	1017	1.000	0.227	-0.149	0.007	0.011	0.000000	0.000000	927.55	-1737
1	FID		ACIS-S-4	7.24	1017	1.000	0.072	-0.001	0.007	0.012	0.000000	0.000000	2145.82	164
2	FID		ACIS-S-5	7.22	1017	1.000	-0.326	0.163	0.007	0.011	0.000000	0.000000	-1819.77	160
3	GUIDE	used	504104352	9.34	2029	1.000	0.248	-0.130	0.177	0.285	197.605623	55.960925	-389.16	99
4	GUIDE	used	504105784	10.01	2012	1.000	-0.210	-0.113	0.273	0.594	197.078419	55.653416	257.32	1494
5	GUIDE	used	504109200	7.51	2033	1.000	-0.112	0.282	0.125	0.204	198.006291	56.380142	-644.59	-1590
6	GUIDE	used	504110328	9.57	2030	1.000	-0.055	0.047	0.196	0.342	197.787936	56.617075	50.02	-2251
7	GUIDE	used	504106056	8.89	2030	1.000	0.114	-0.142	0.126	0.207	197.917232	55.926583	-1024.13	5

2.4 Star Slots

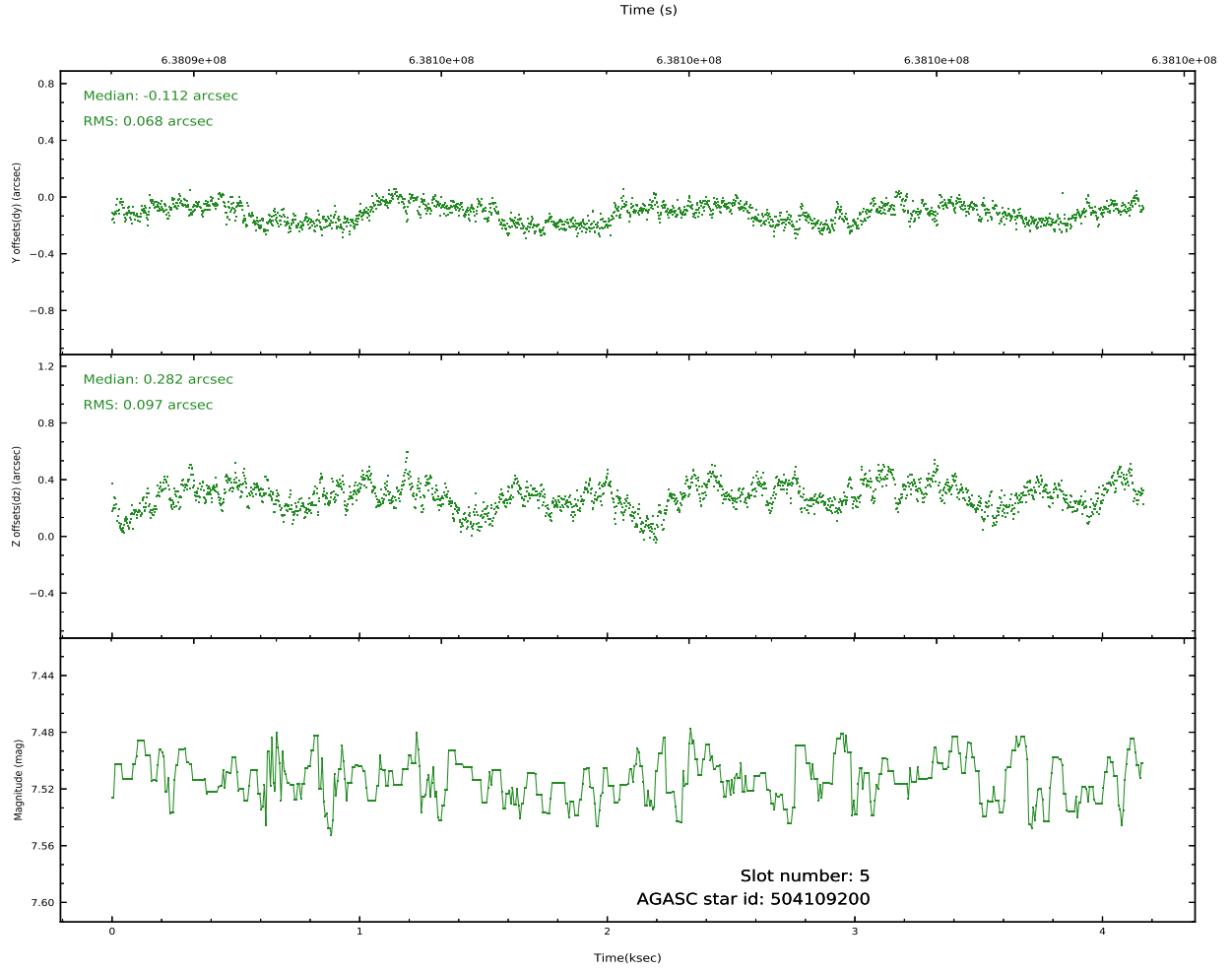
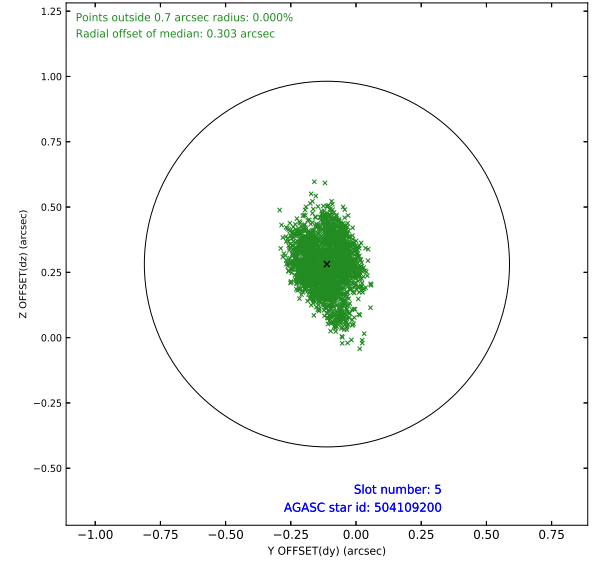
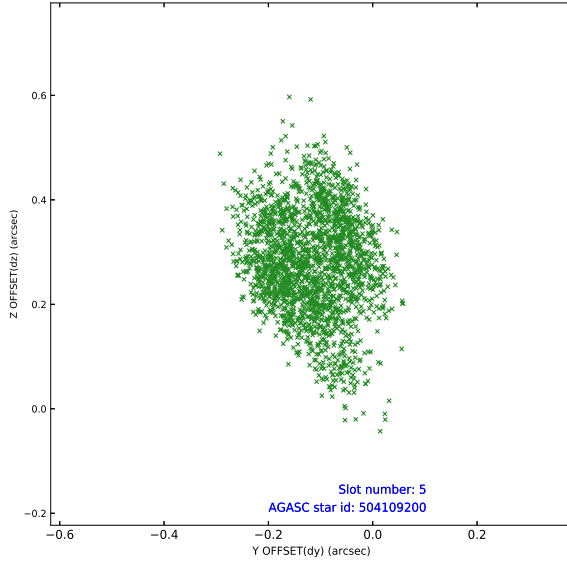
2.4.1 Slot 3



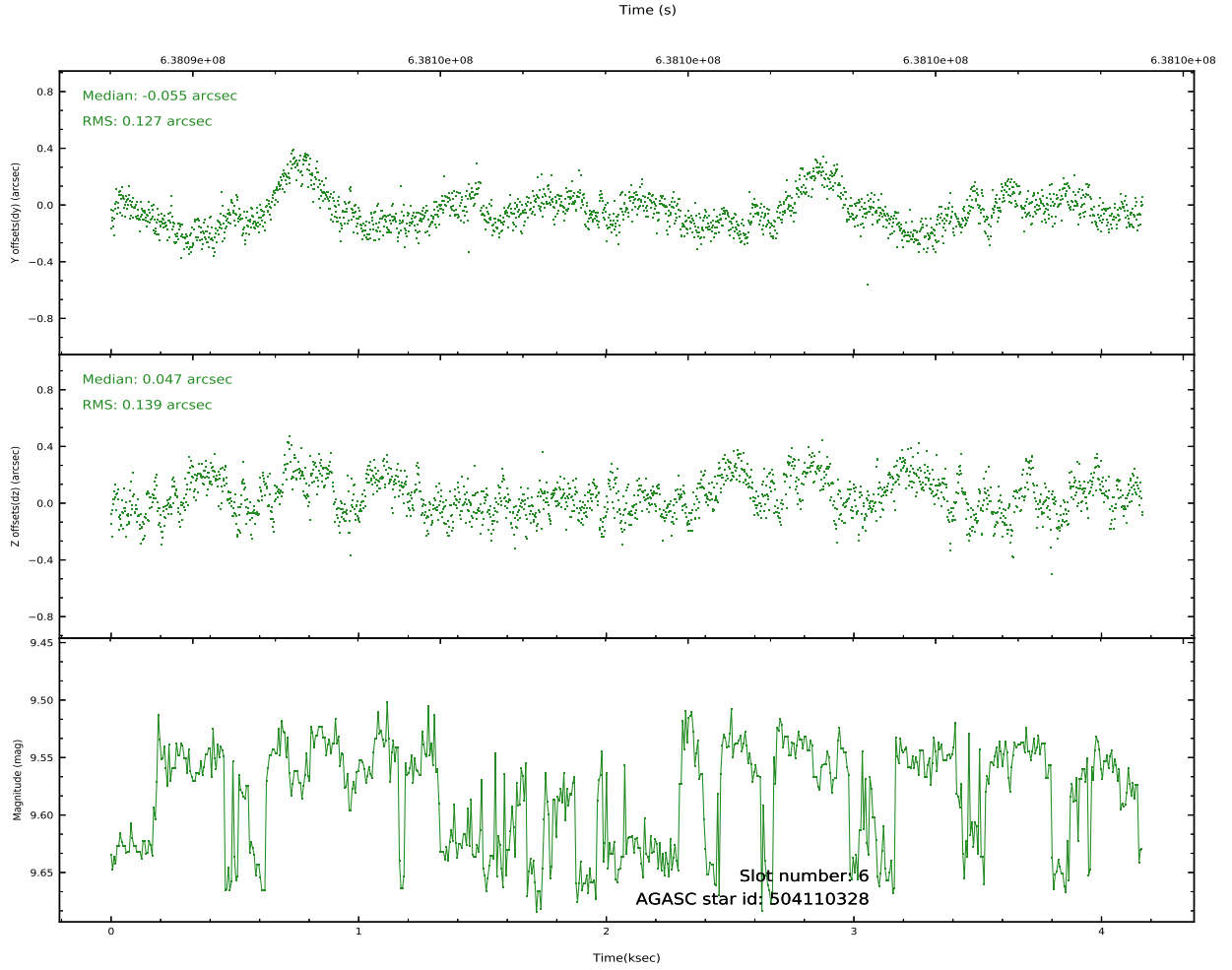
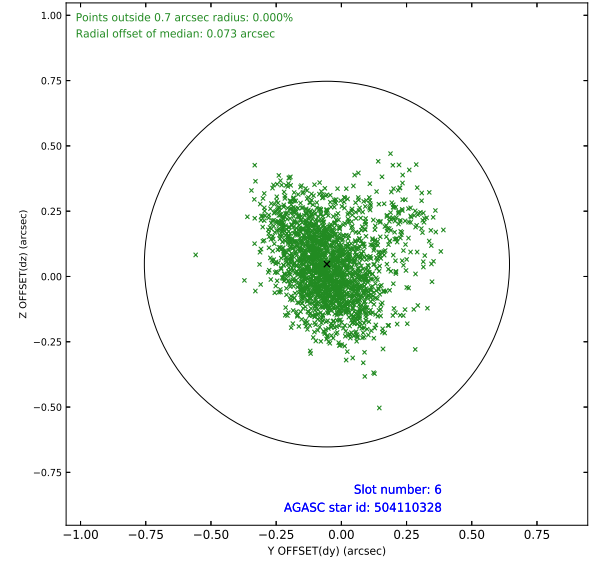
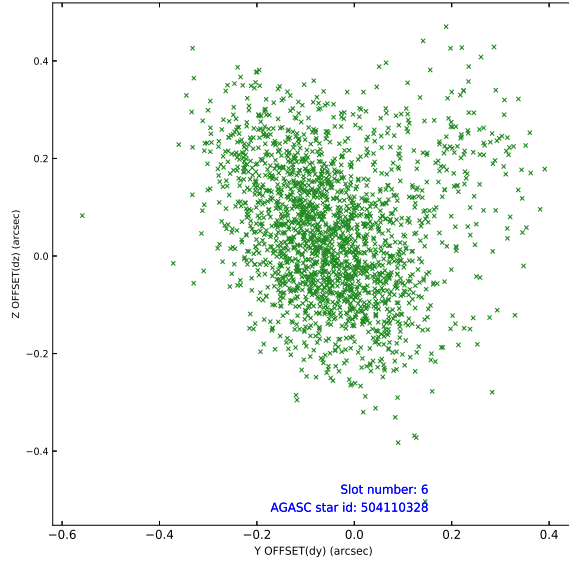
2.4.2 Slot 4



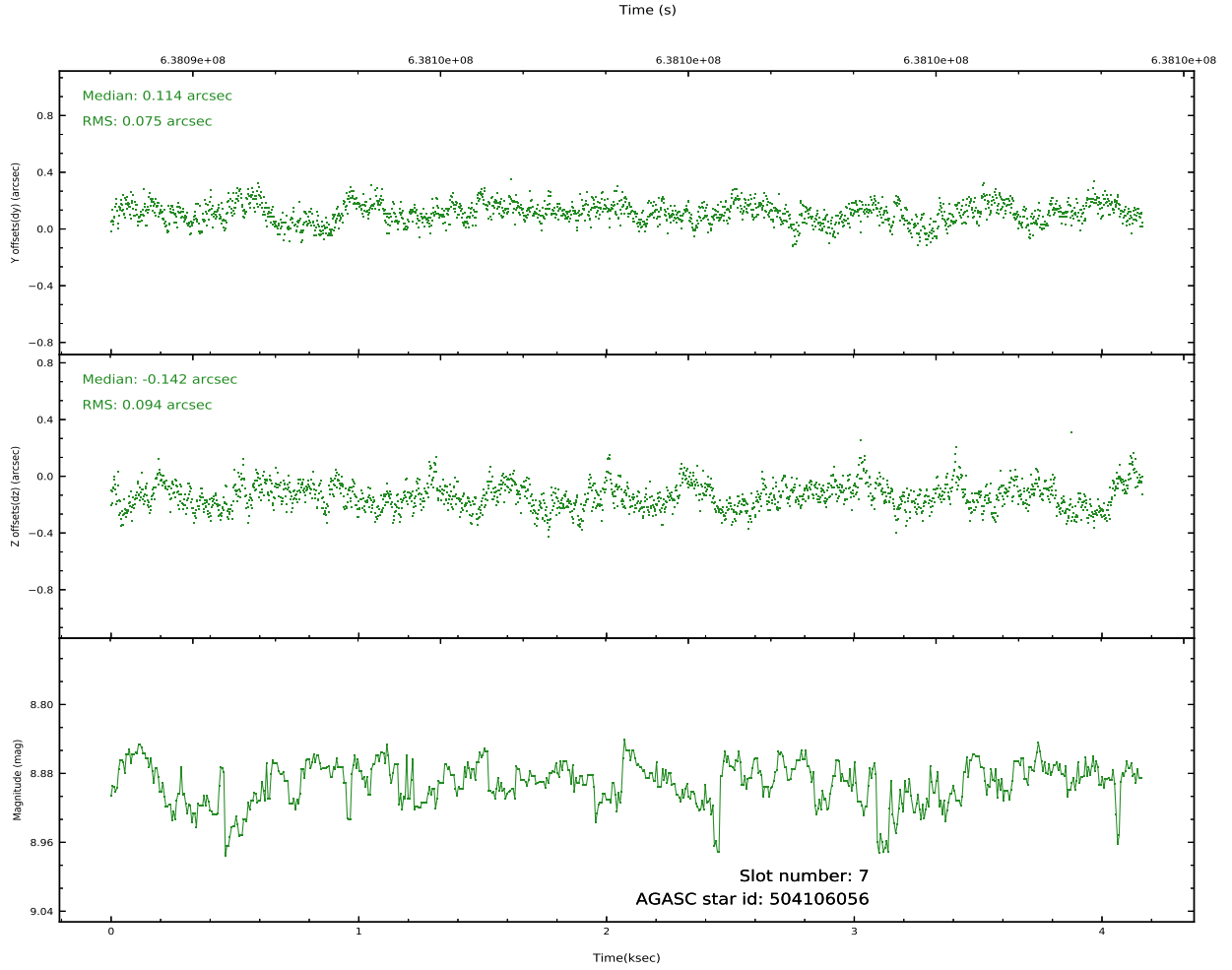
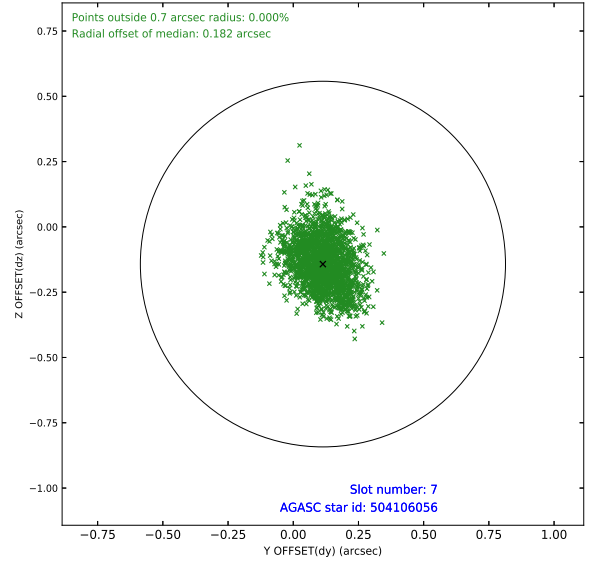
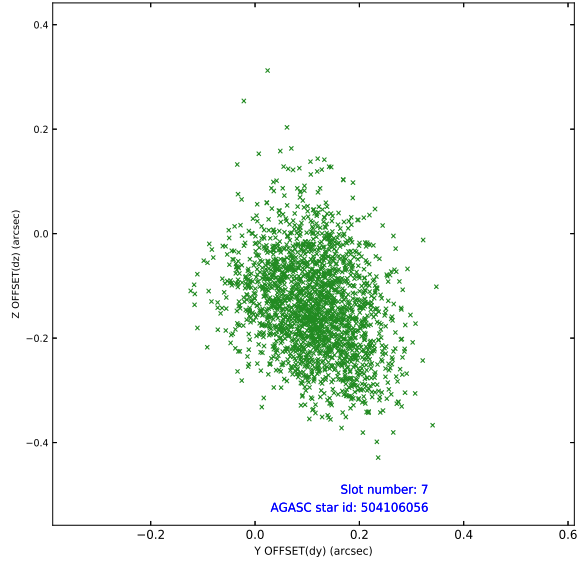
2.4.3 Slot 5



2.4.4 Slot 6

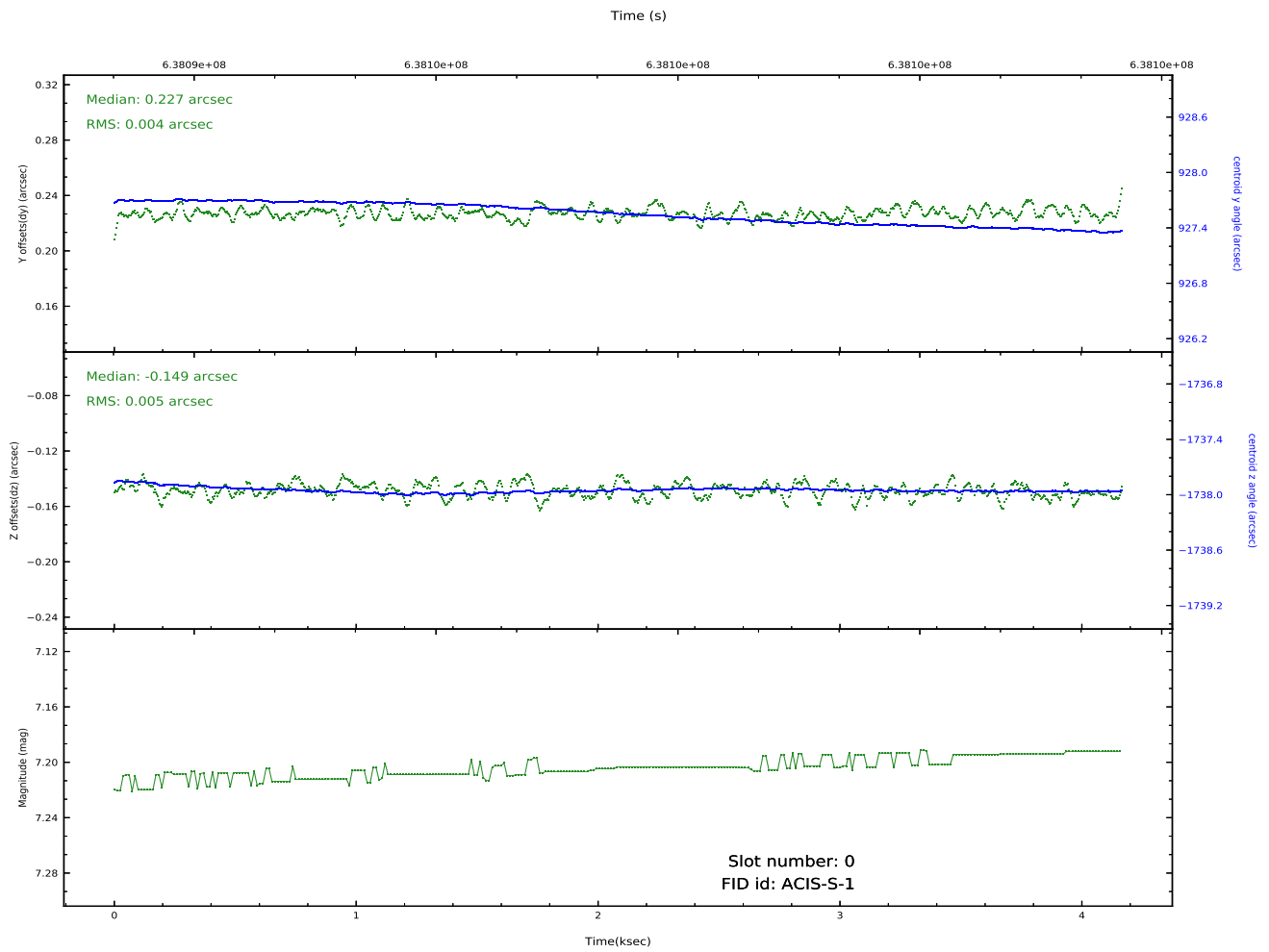
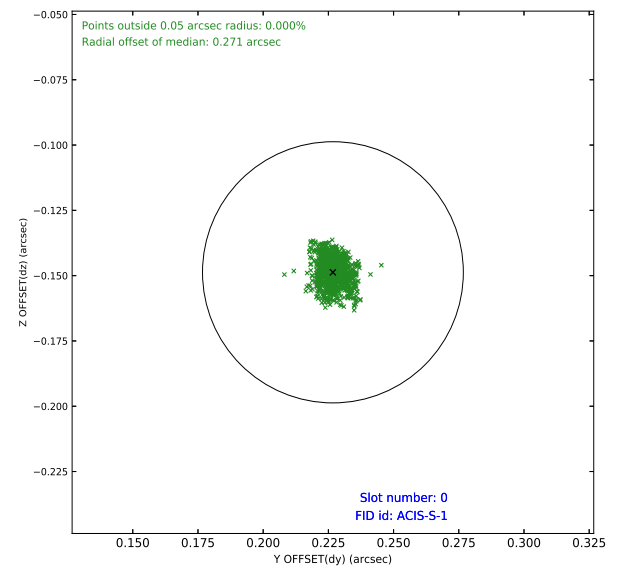
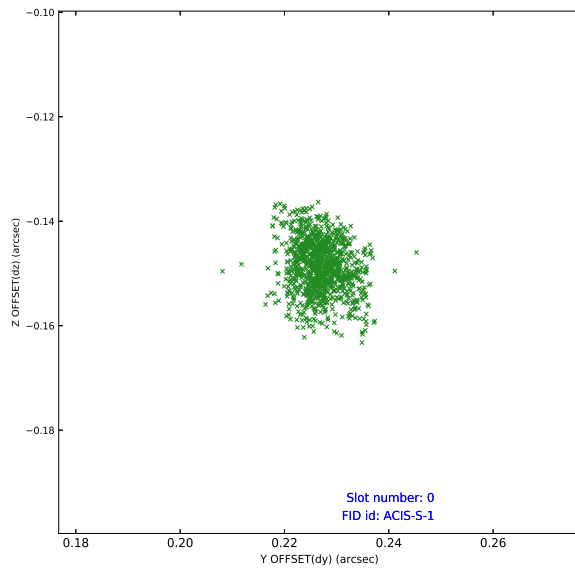


2.4.5 Slot 7

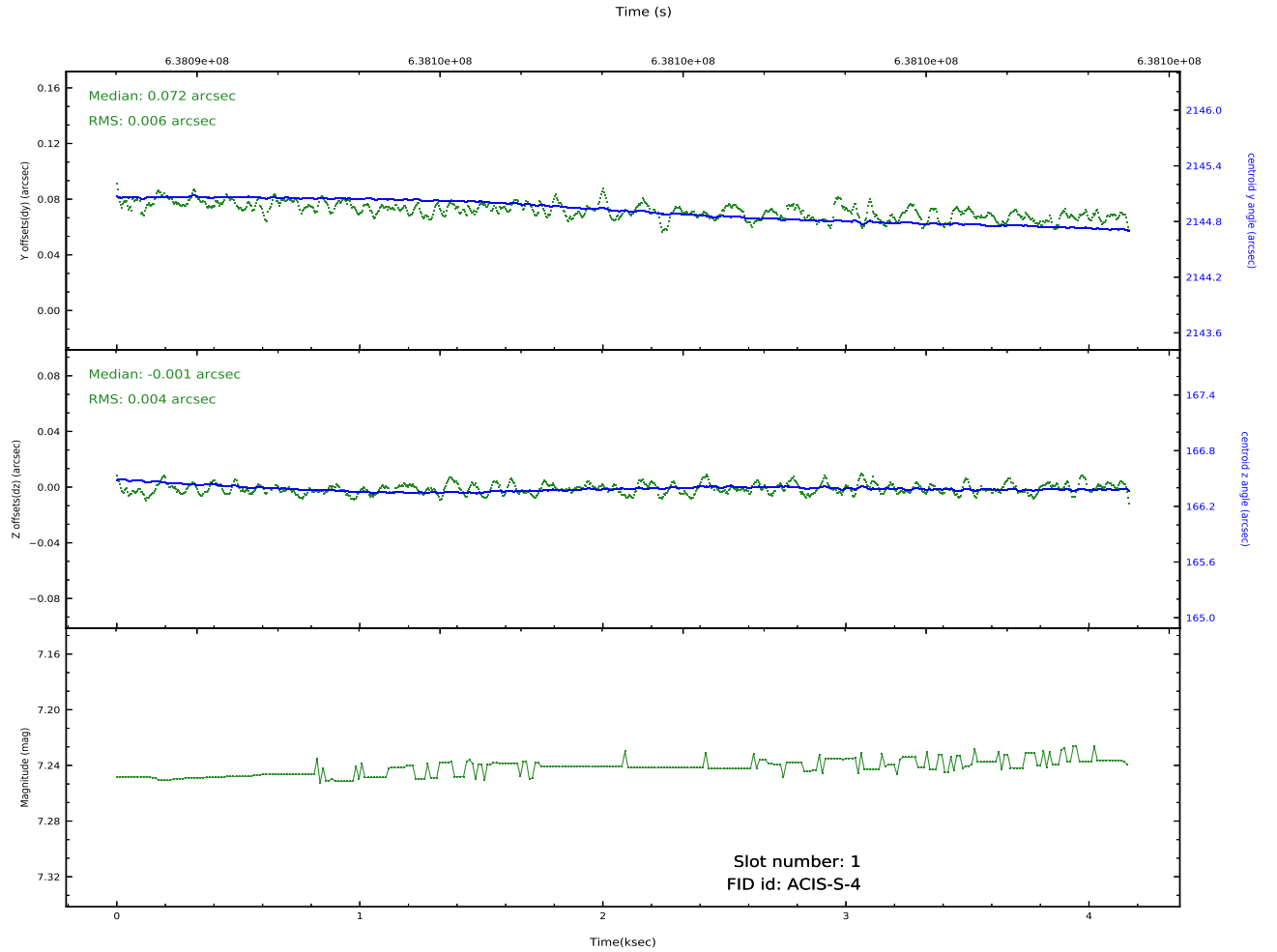
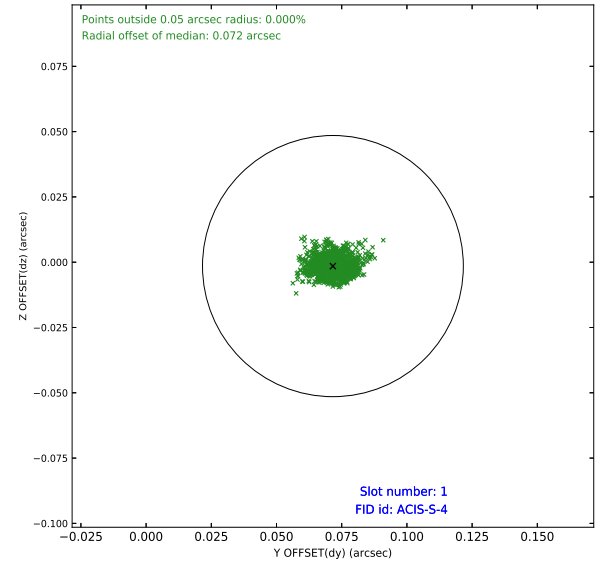
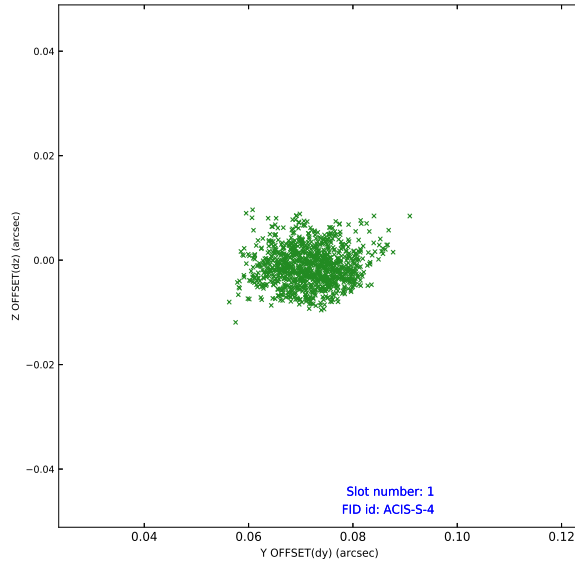


2.5 FID Slots

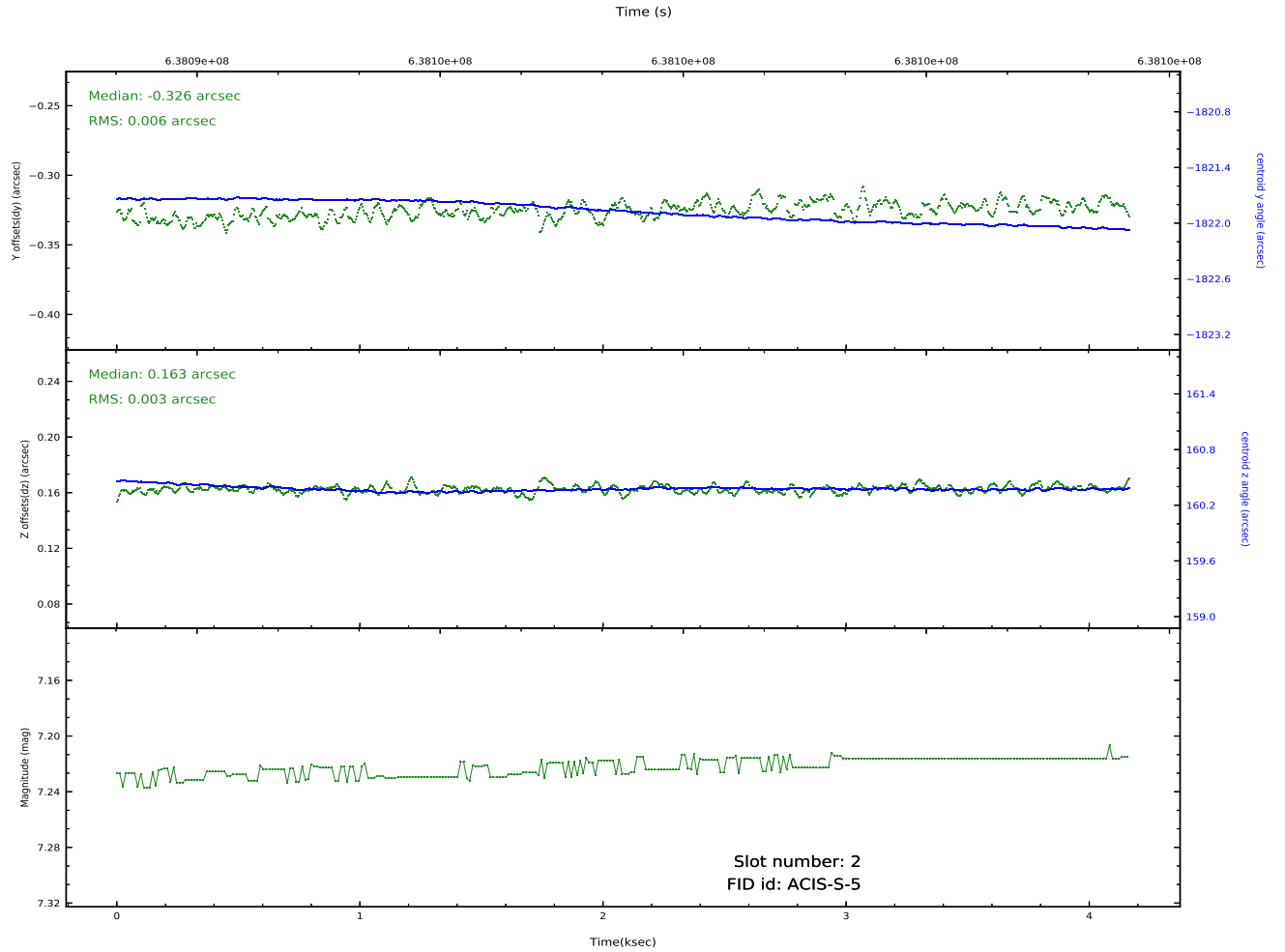
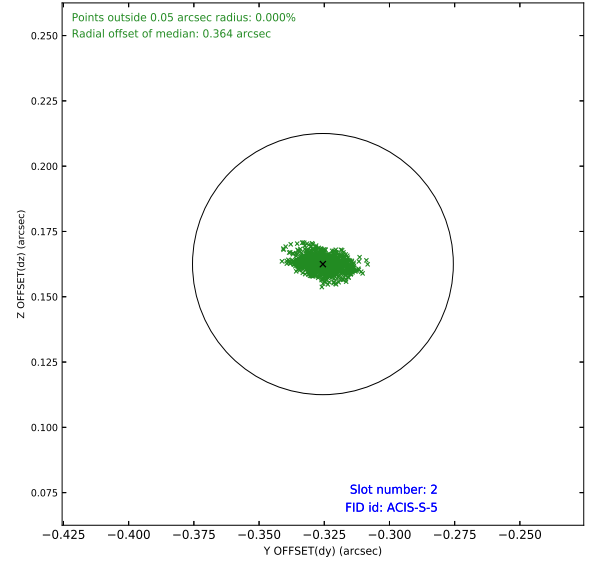
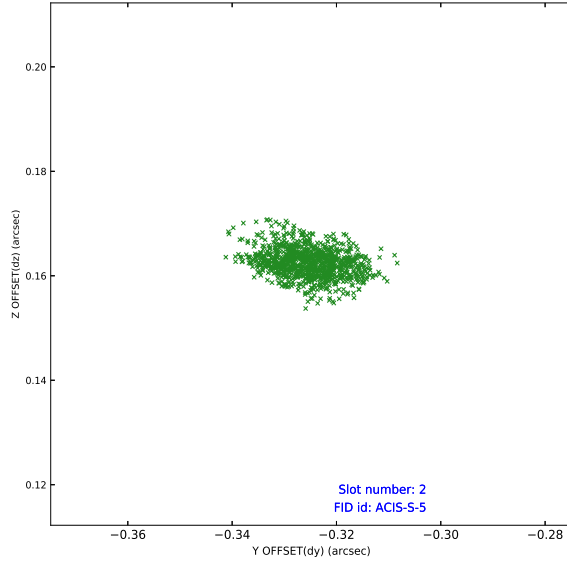
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1075000317097

A.2 Comments