

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6173 - L2 Version 4
Chandra X-Ray Center

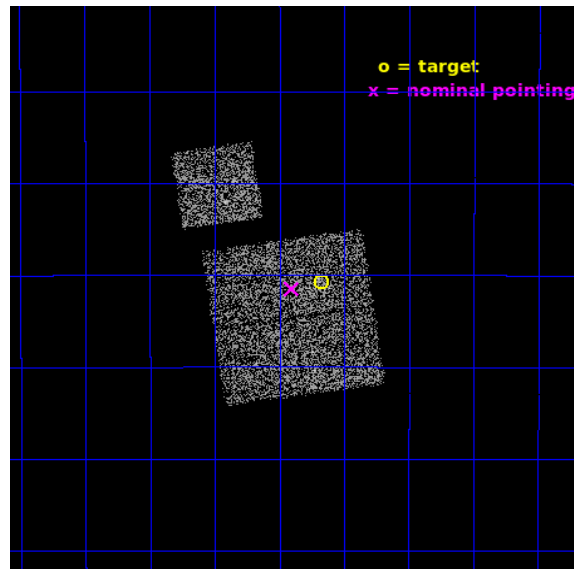
L2 Processing Date : Oct 5 2020

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1 Front

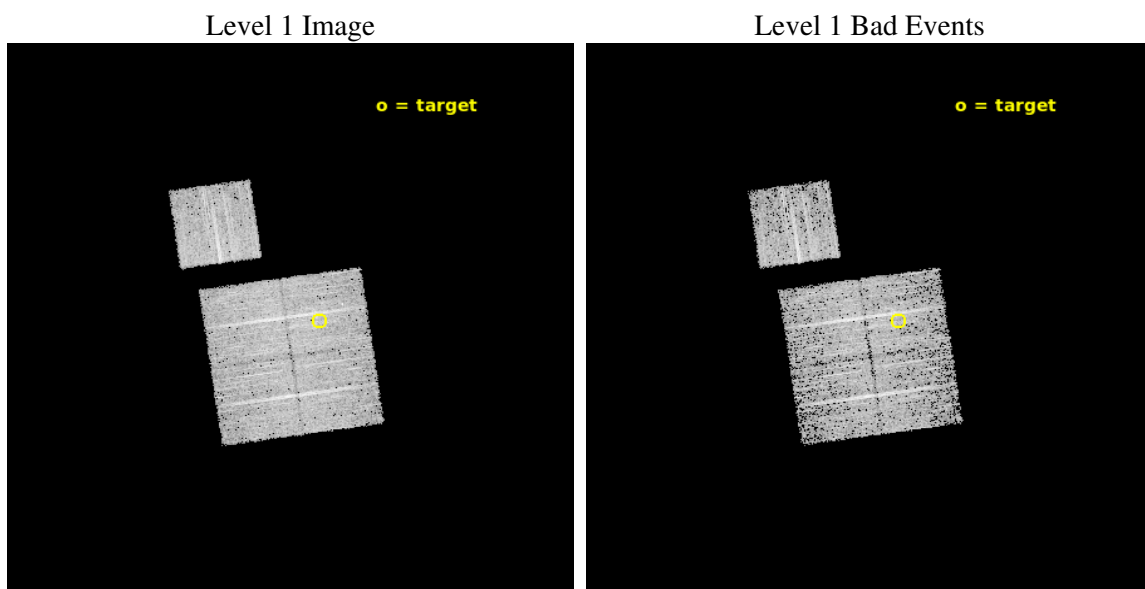
seq_num	800379	Sequence number
obs_id	6173	Observation id
title	Chandra snapshot survey of 10 distant clusters of galaxies	Proposa
observer	Dr. Stephen Murray	Principal investigator
object	CIG J0521-2530	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	80.294583	Observer's specified target RA [deg]
dec_targ	-25.512222	Observer's specified target Dec [deg]
ra_nom	80.350860911938	Nominal RA [deg]
dec_nom	-25.524699671531	Nominal Dec [deg]
roll_nom	351.73536243483	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4941.3999904692	Sum of GTIs [s]
livetime	4876.836961788	Livetime [s]
ontime0	4941.3999904692	Sum of GTIs [s]
ontime1	4941.3999904692	Sum of GTIs [s]
ontime2	4938.2590102255	Sum of GTIs [s]
ontime3	4941.3999904692	Sum of GTIs [s]
ontime6	4941.3999904692	Sum of GTIs [s]
l2events	13342	Number of level 2 events



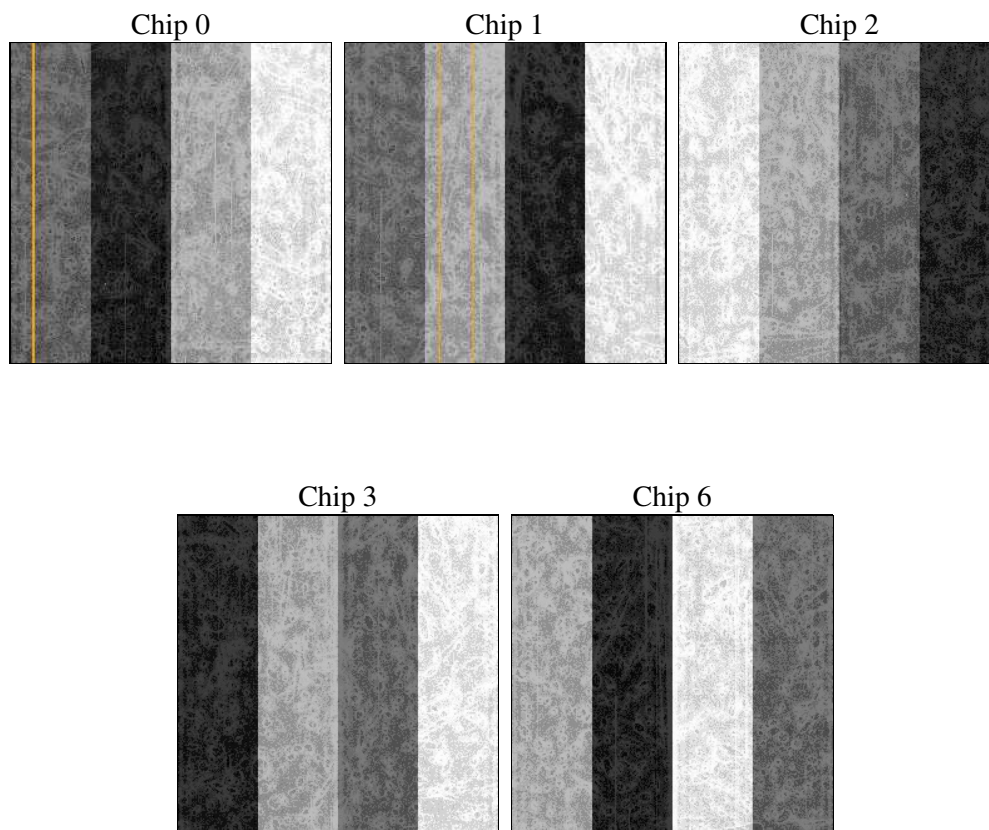
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4766.134000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4941.3999904692	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	4941.3999904692	Sum of GTIs [s]
date	2020-10-05T18:22:43	Date and time of file creation	ontime1	4941.3999904692	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4938.2590102255	Sum of GTIs [s]
			ontime3	4941.3999904692	Sum of GTIs [s]
			ontime6	4941.3999904692	Sum of GTIs [s]
			l1events	199561	Number of level 1 events

2.1.4 Events

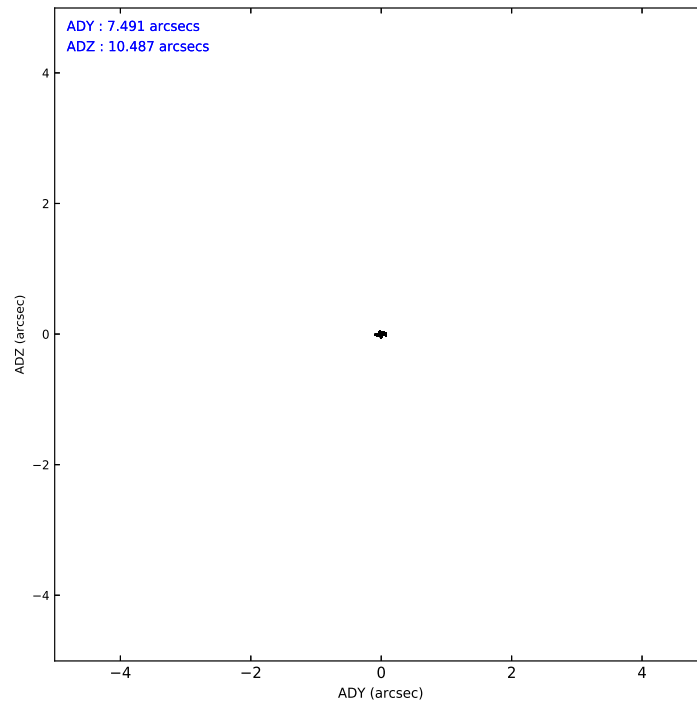
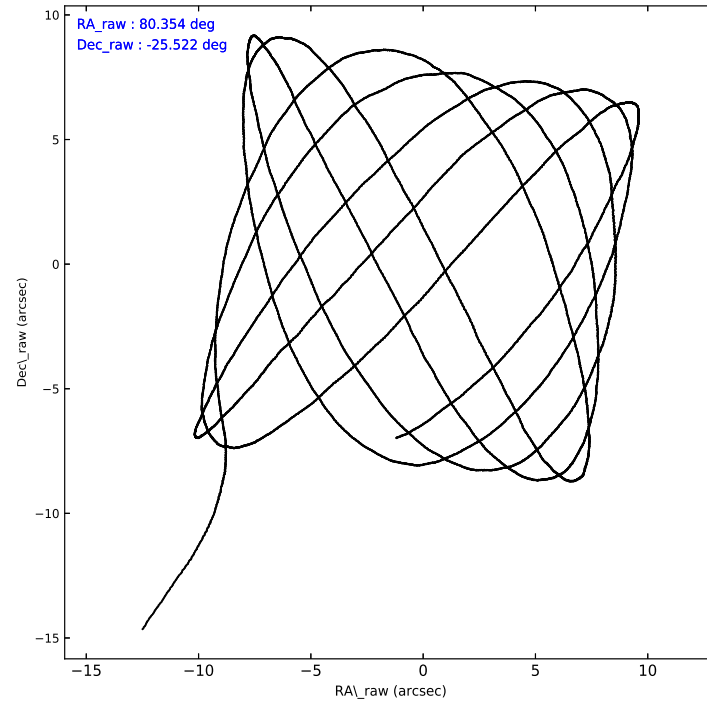
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	37590	37200	42225	41061	41485
rejected events	34428	33813	39089	37902	38160
rejected %	91%	90%	92%	92%	91%

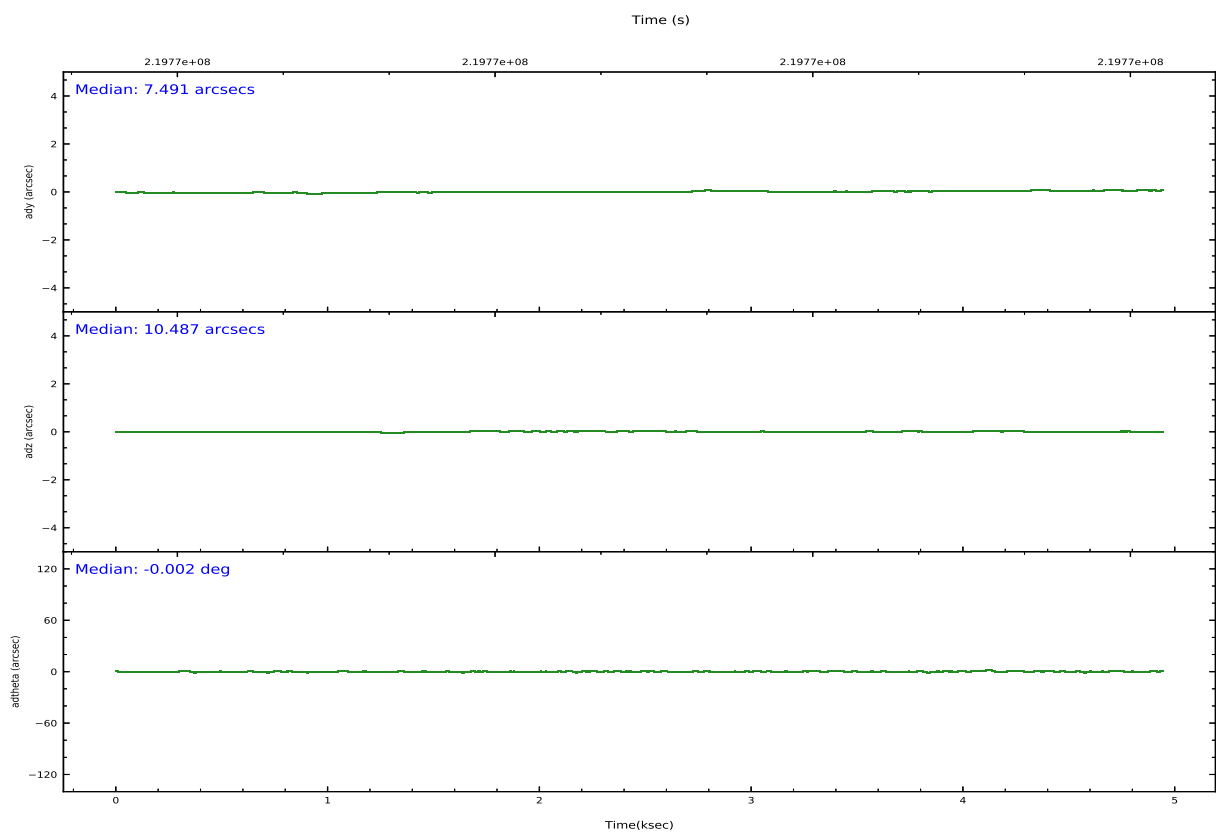
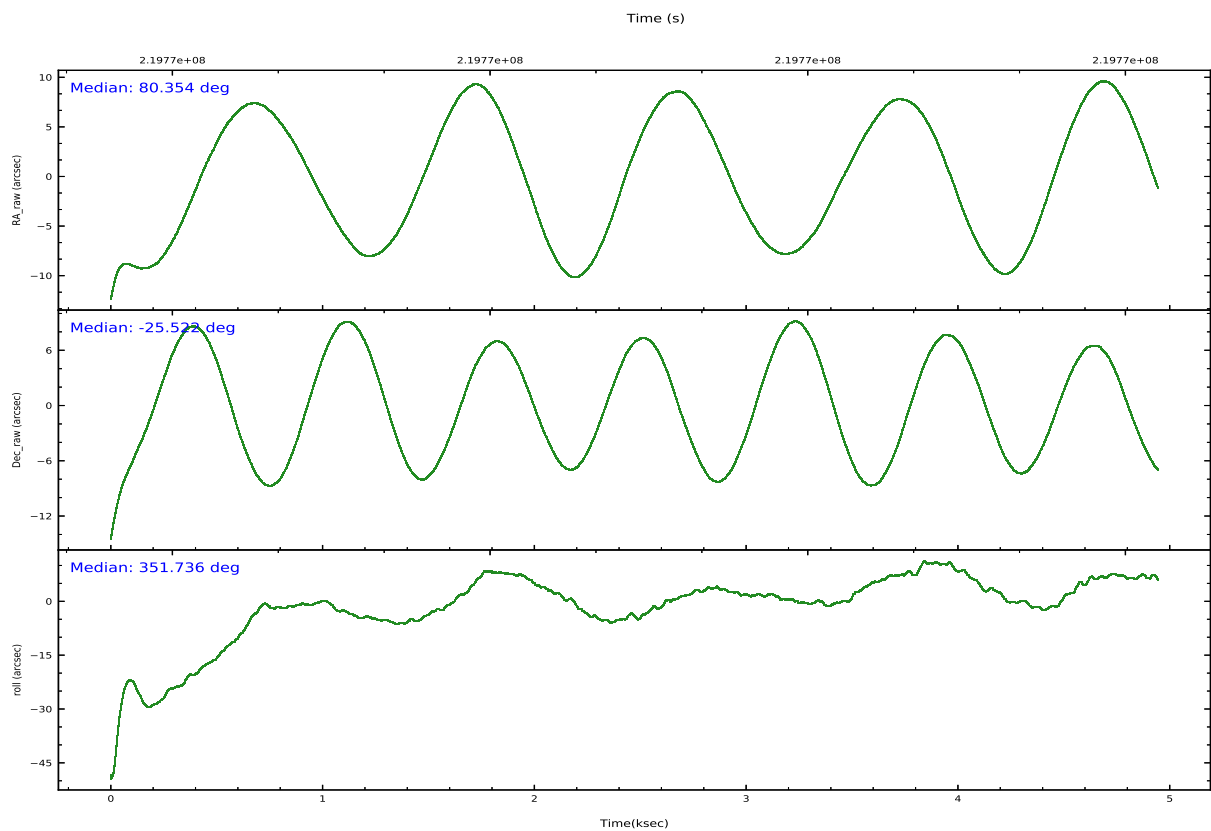
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1348	1490	1380	1490	1441
	3%	4%	3%	3%	3%
grade 1 events	15	20	29	24	14
	0%	0%	0%	0%	0%
grade 2 events	899	900	940	762	811
	2%	2%	2%	1%	1%
grade 3 events	476	459	448	455	456
	1%	1%	1%	1%	1%
grade 4 events	418	492	456	438	460
	1%	1%	1%	1%	1%
grade 5 events	1339	1488	1298	1512	1512
	3%	4%	3%	3%	3%
grade 6 events	760	840	694	704	893
	2%	2%	1%	1%	2%
grade 7 events	32335	31511	36980	35676	35898
	86%	84%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01236	ACIS-01236	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	80.325628	80.350860911938	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.532245	-25.524699671531	Alternating exposures requested	N	N
[deg] Pointing Roll	351.513361	351.73536243483	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	219765889.184000	219764331.43472			
Observation start date	2004-12-18T14:03:45	2004-12-18T13:38:51			
[s] Observation end time (MET)	219770655.184000	219770886.82252			
Observation end date	2004-12-18T15:23:11	2004-12-18T15:28:06			
Read mode	TIMED	TIMED			

2.3 Aspect



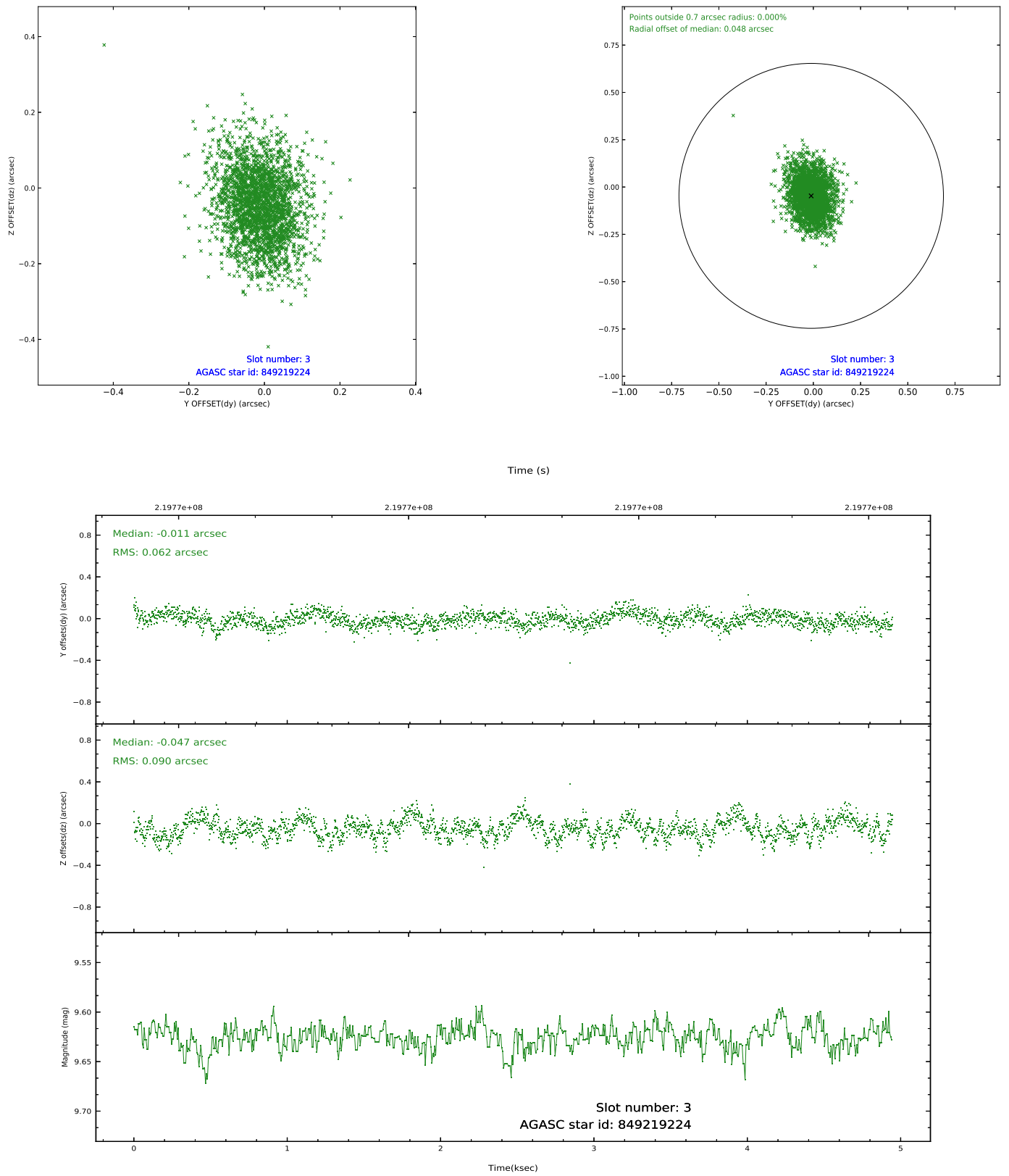


Slot Statistics

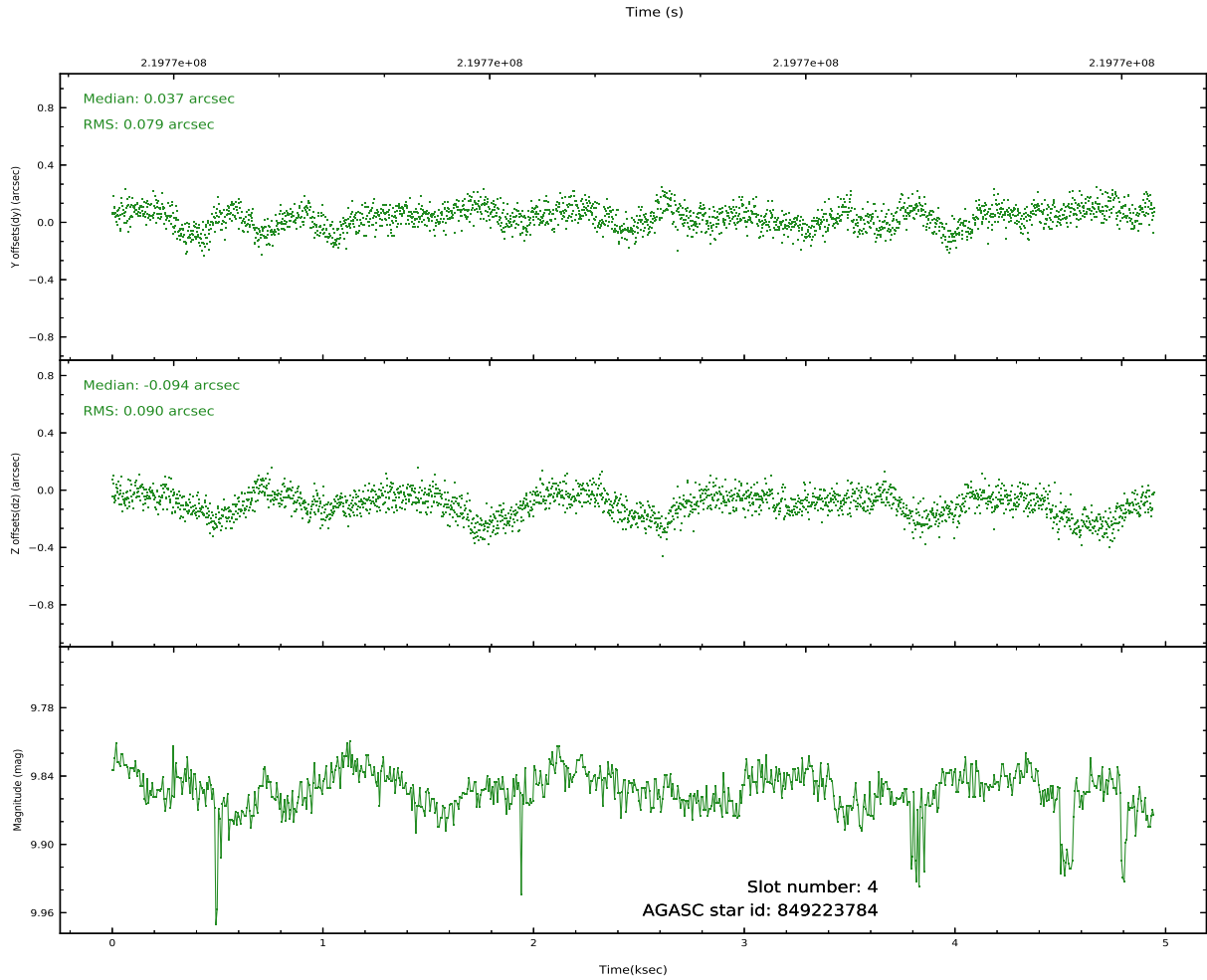
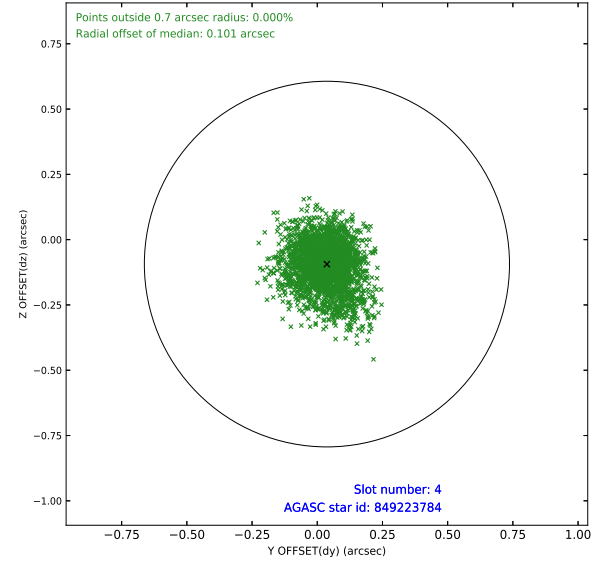
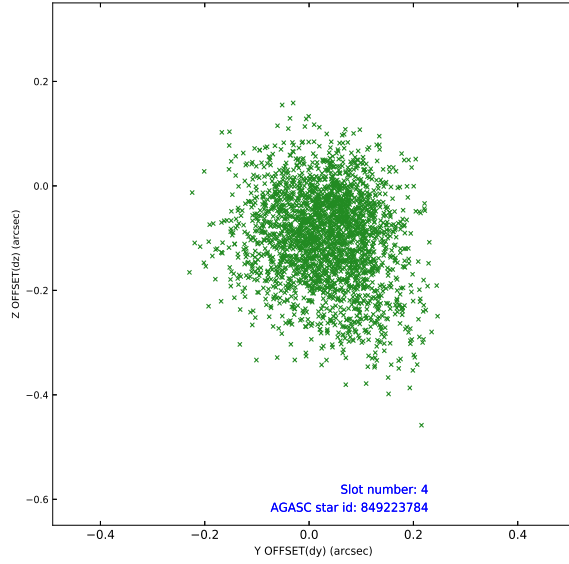
	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	m
	FID		ACIS-I-1	7.24	1207	1.000	0.115	-0.136	0.006	0.010	0.000000	0.000000	932.14	-9
	FID		ACIS-I-5	7.22	1207	1.000	-0.261	0.086	0.006	0.010	0.000000	0.000000	-1815.65	9
	FID		ACIS-I-6	7.25	1207	1.000	0.054	0.120	0.007	0.010	0.000000	0.000000	396.29	15
	GUIDE	used	849219224	9.63	2410	1.000	-0.011	-0.047	0.112	0.191	79.917999	-26.007007	-1051.57	-18
	GUIDE	used	849223784	9.85	2411	1.000	0.037	-0.094	0.126	0.209	80.444618	-25.367658	295.34	6
	GUIDE	used	849226272	8.39	2414	1.000	0.046	0.035	0.063	0.102	80.214822	-25.538553	-352.08	-
	BAD	used	849226688	5.45	1505	1.000	-0.030	0.125	0.042	0.066	79.879916	-25.124188	-1653.41	12
	GUIDE	used	849221808	9.98	2409	1.000	-0.049	0.032	0.123	0.202	81.008696	-25.199789	2024.49	15

2.4 Star Slots

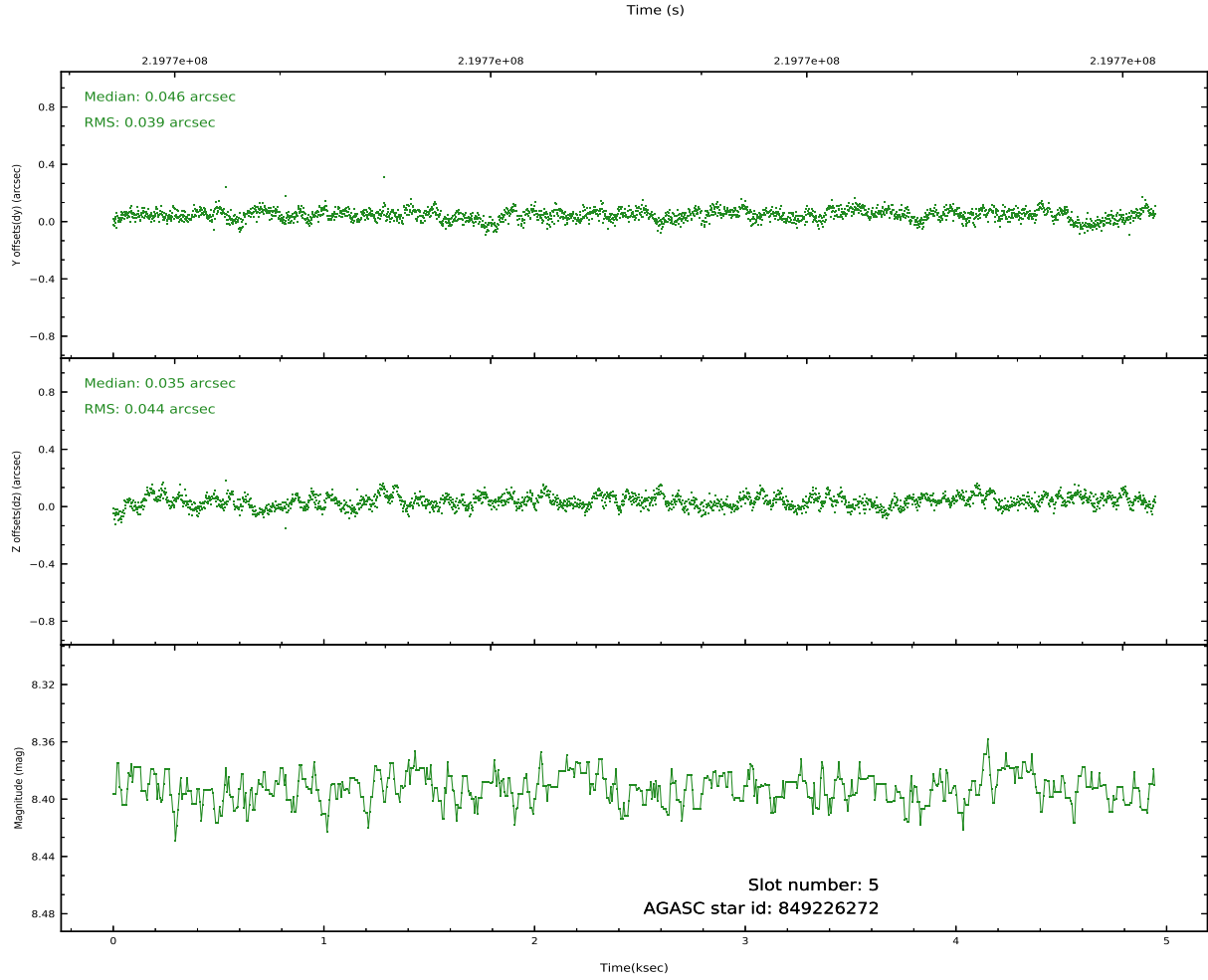
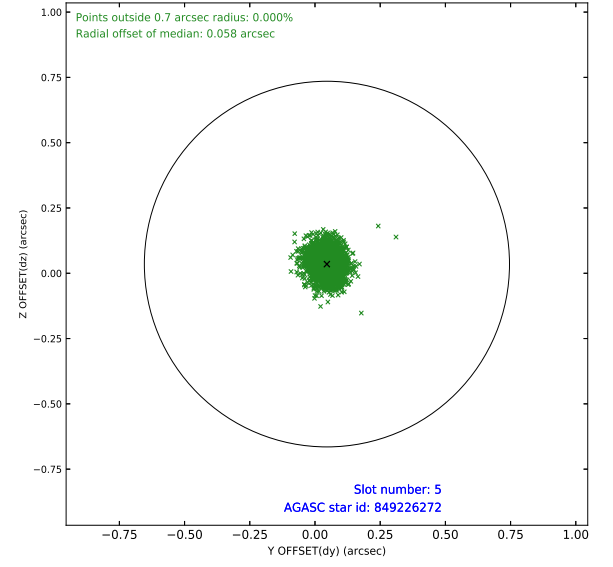
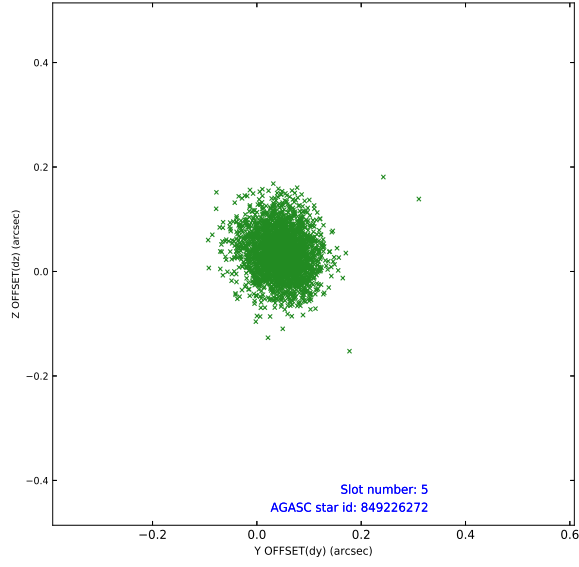
2.4.1 Slot 3



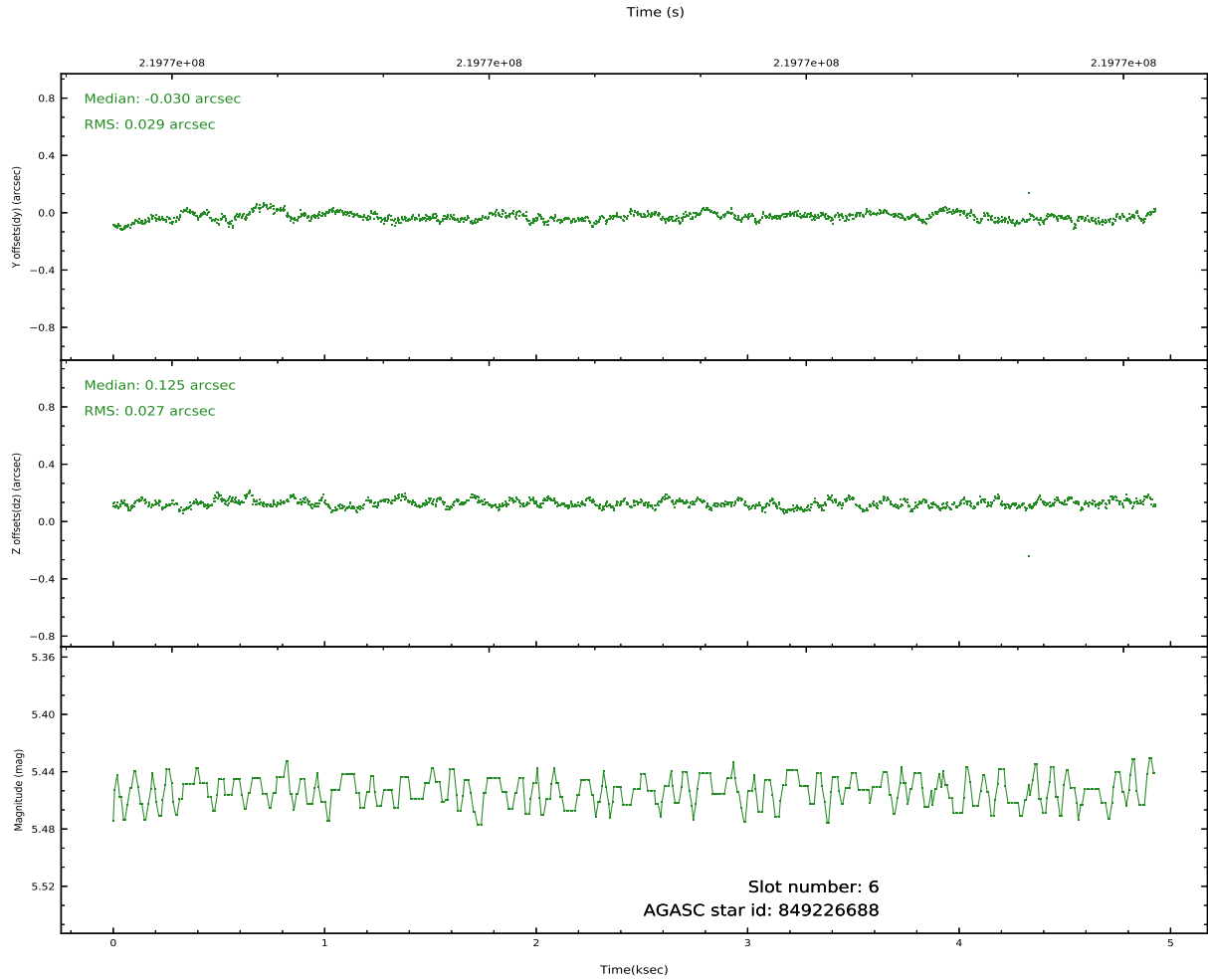
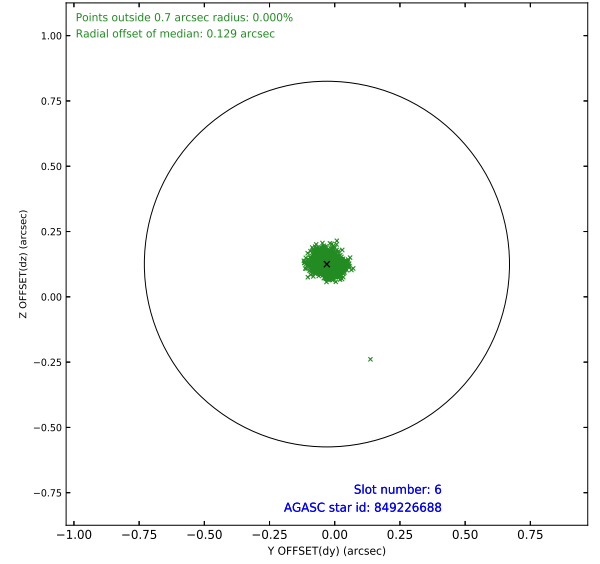
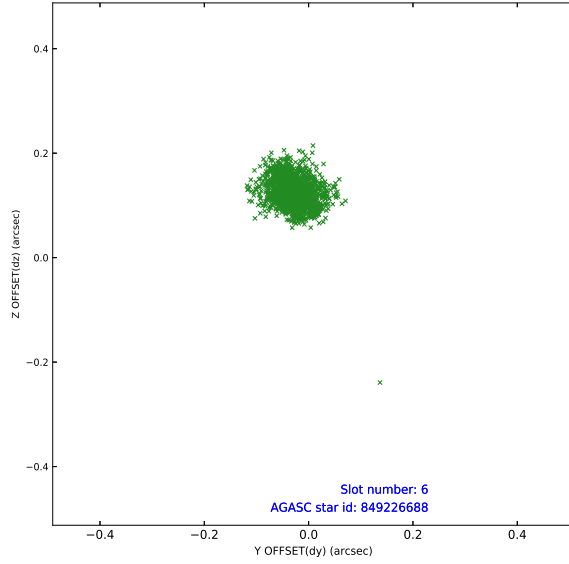
2.4.2 Slot 4



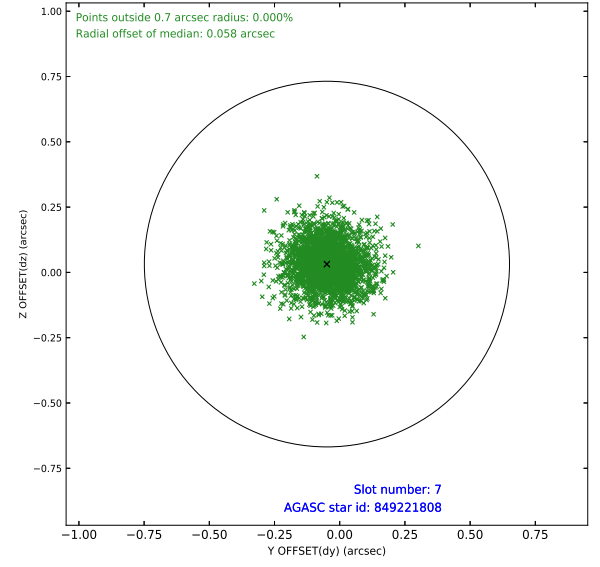
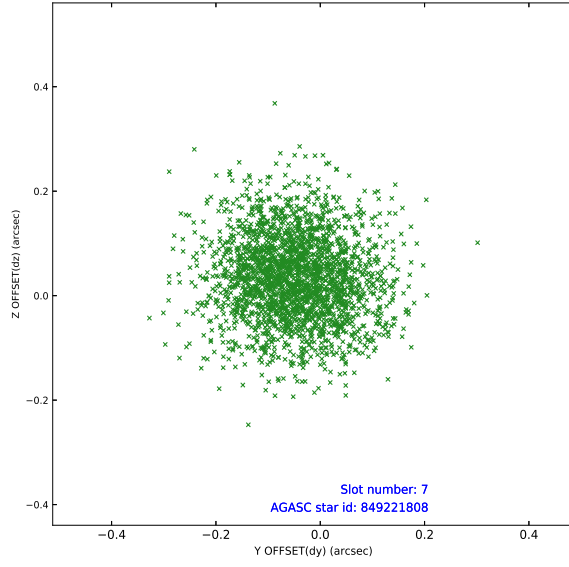
2.4.3 Slot 5



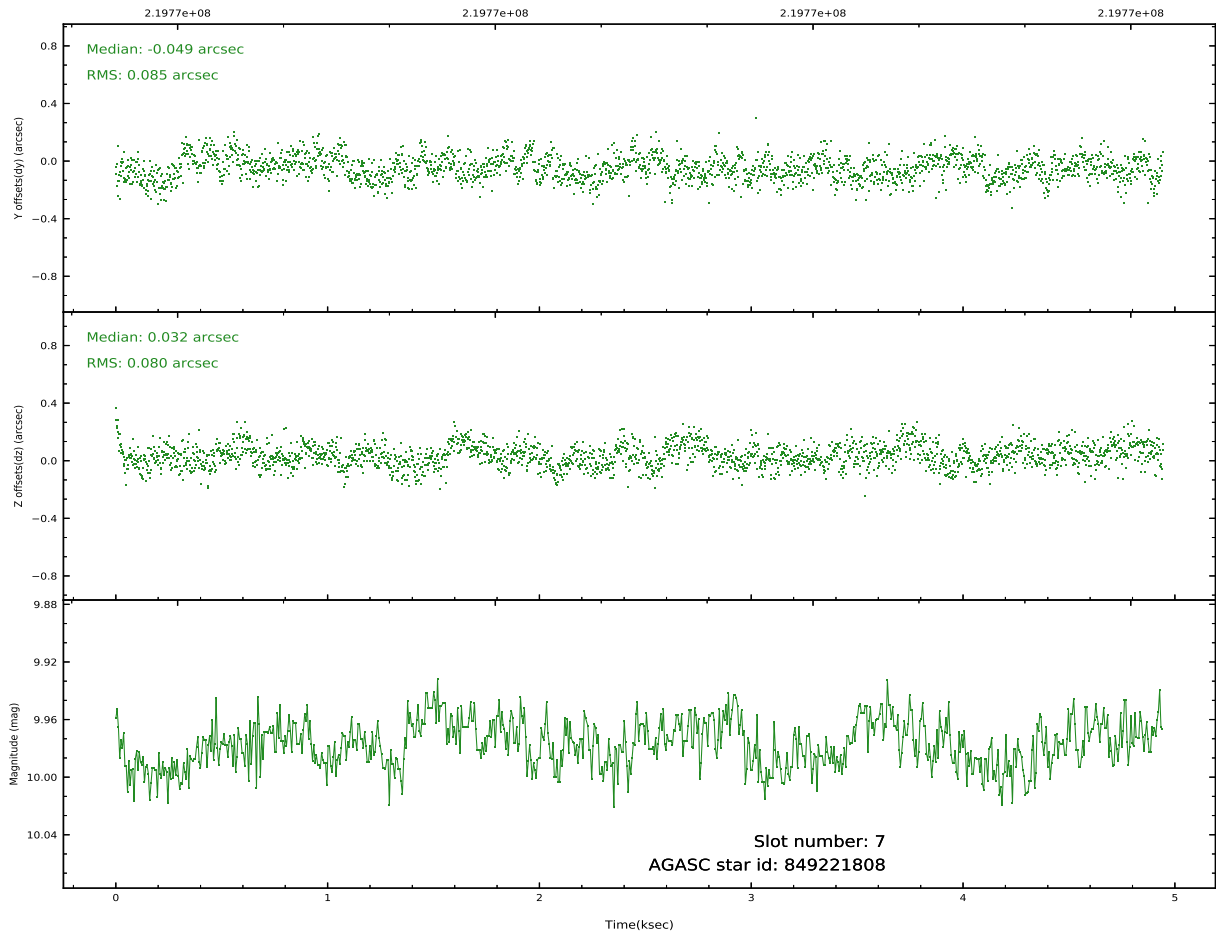
2.4.4 Slot 6



2.4.5 Slot 7

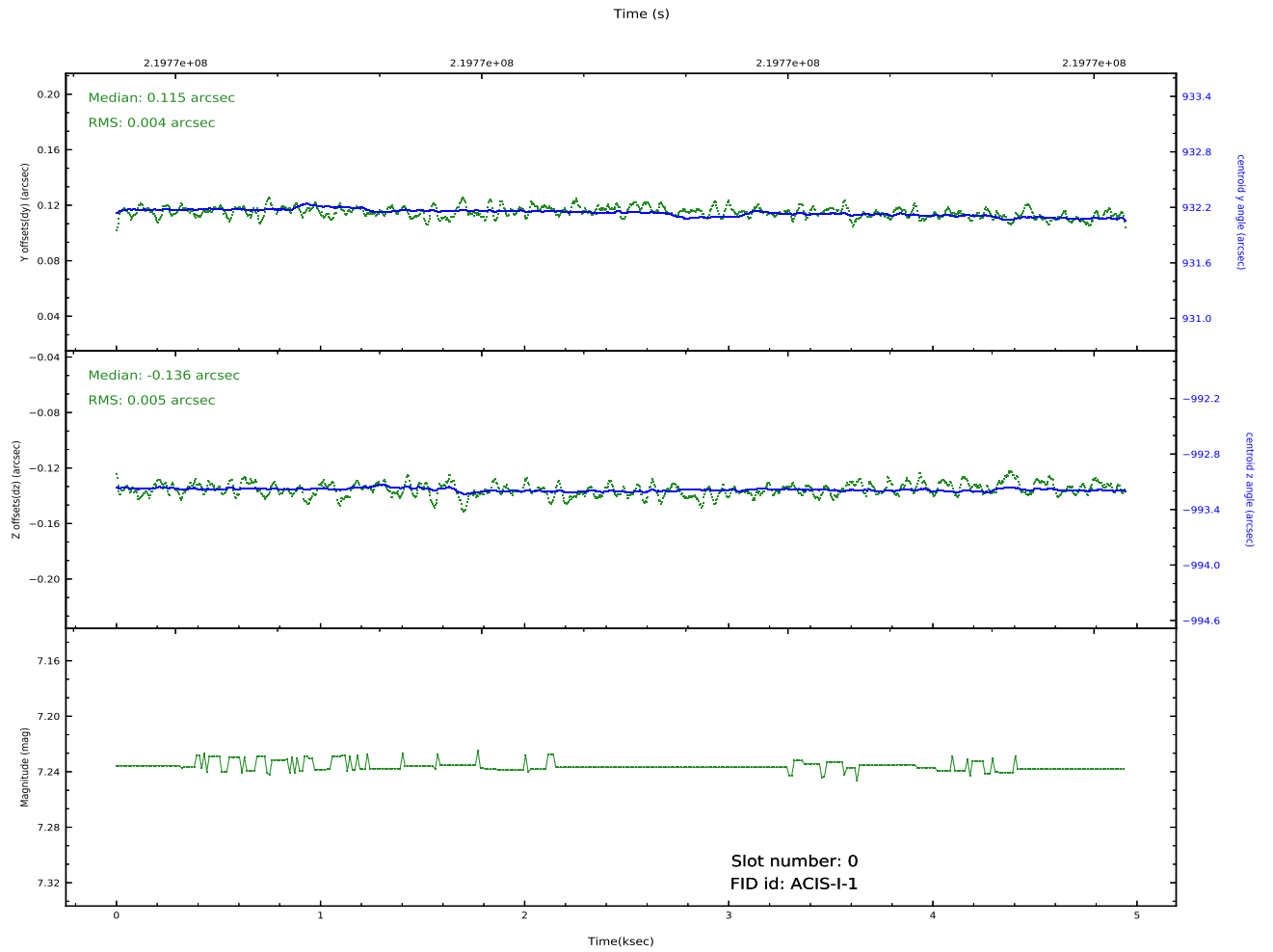
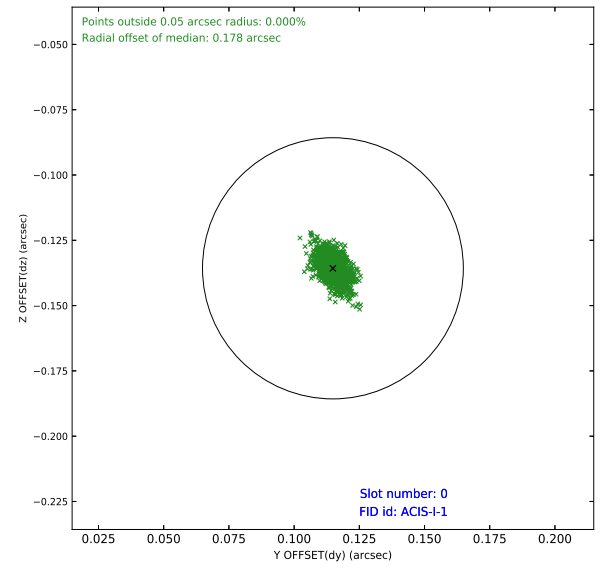
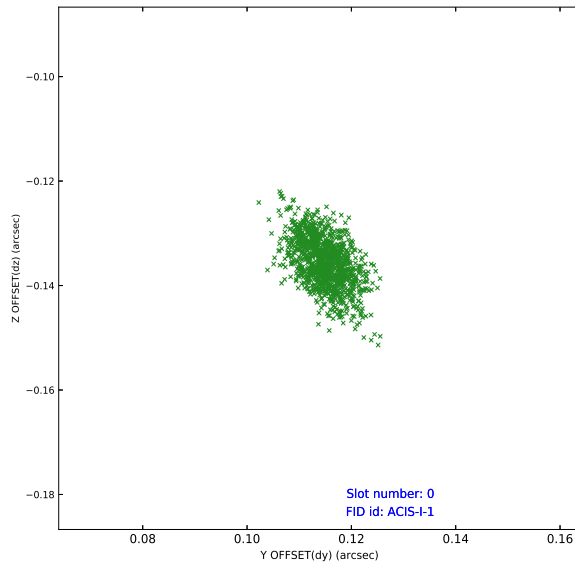


Time (s)

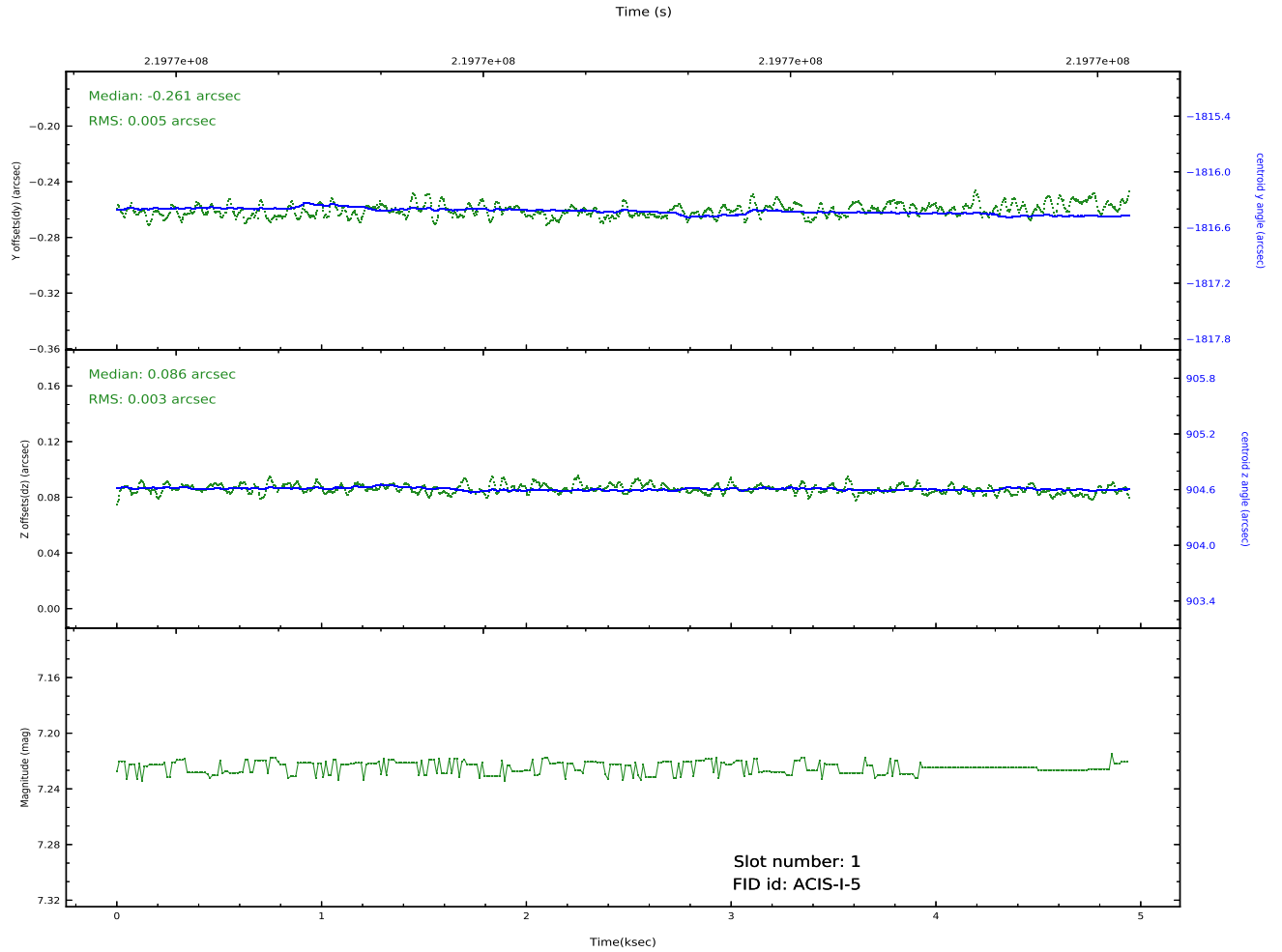
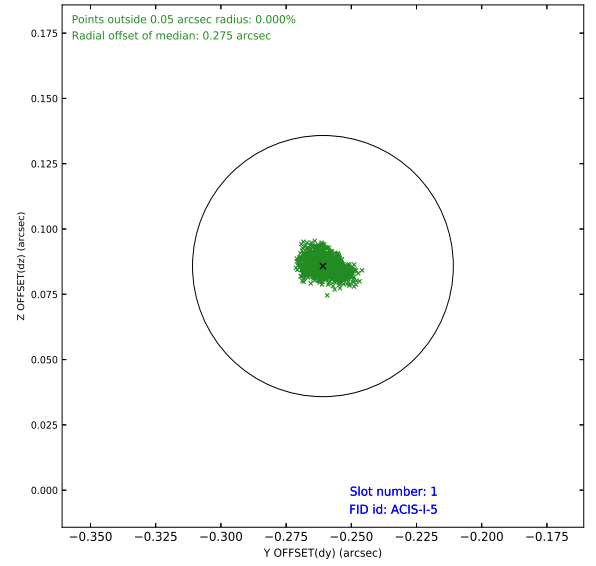
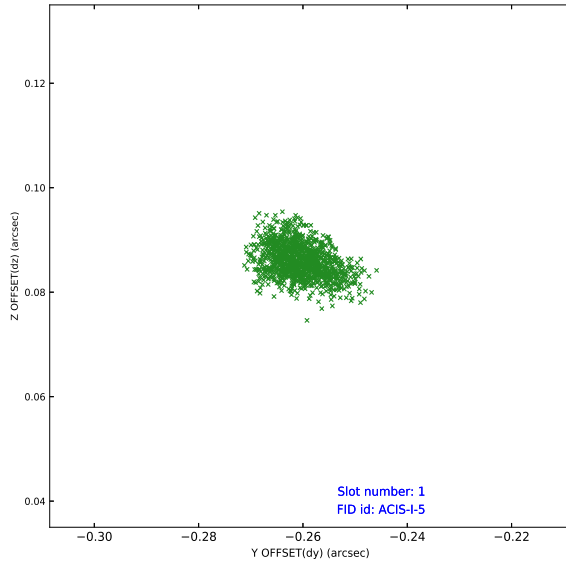


2.5 FID Slots

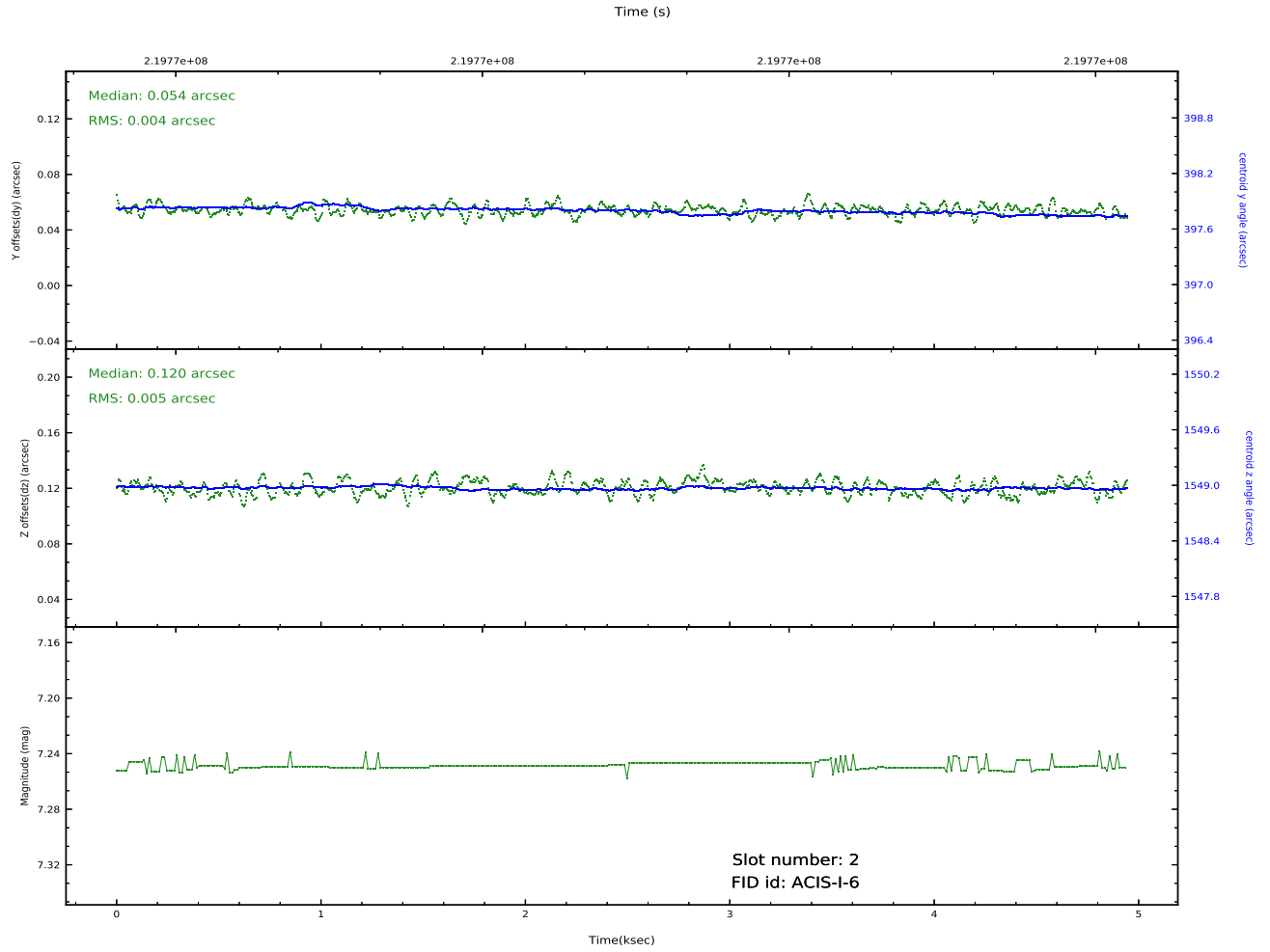
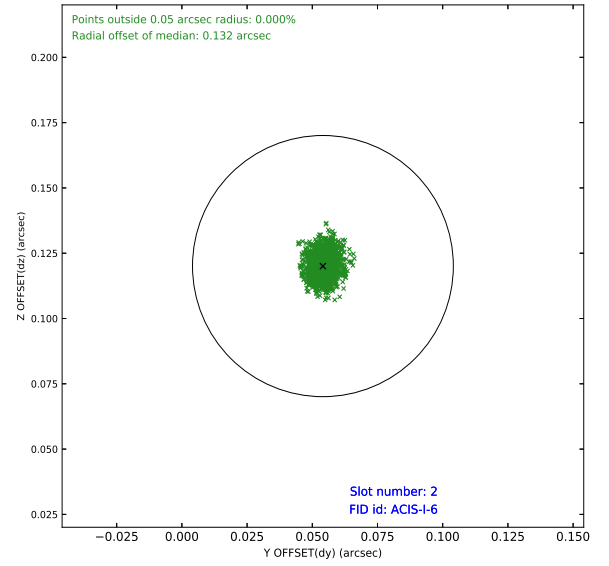
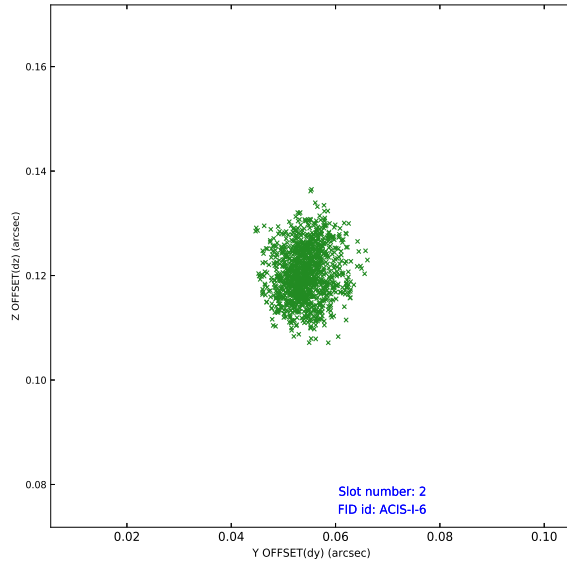
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.941399

A.2 Comments