

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22040 - L2 Version 1
Chandra X-Ray Center

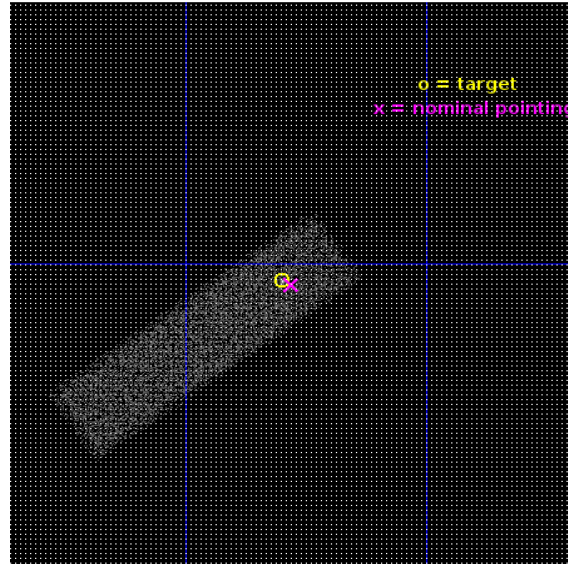
L2 Processing Date : Dec 25 2018

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1 Front

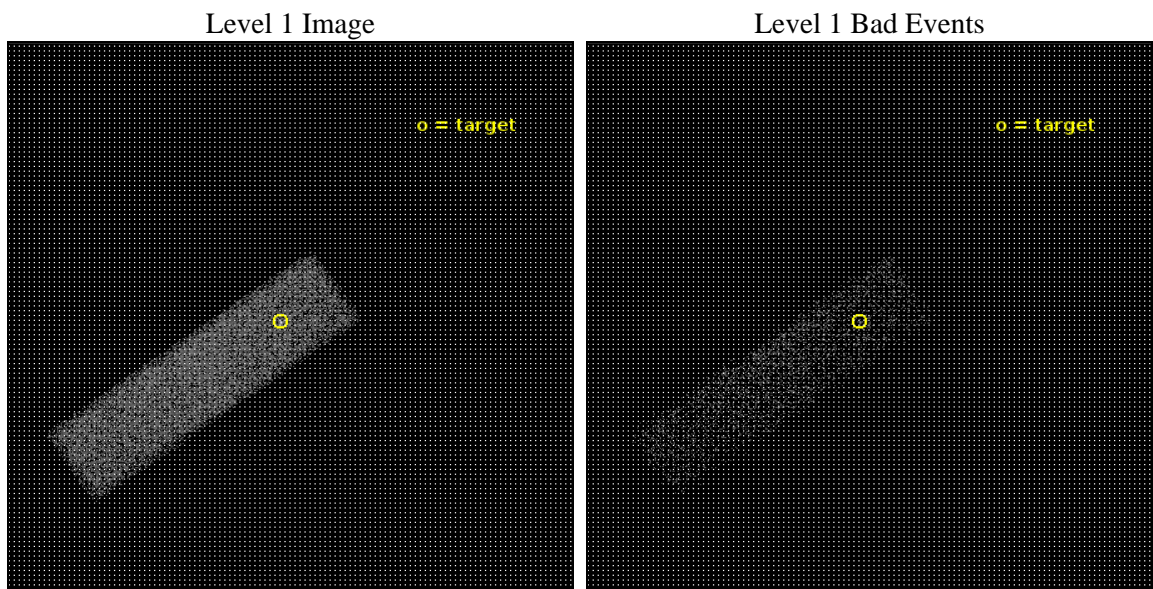
seq_num	703846	Sequence number
obs_id	22040	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	2MASXJ06411806+3249313	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.325089	Observer's specified target RA [deg]
dec_targ	32.825493	Observer's specified target Dec [deg]
ra_nom	100.3201370861	Nominal RA [deg]
dec_nom	32.823779188784	Nominal Dec [deg]
roll_nom	144.38118819127	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10060.706385374	Sum of GTIs [s]
livetime	9569.7768338002	Livetime [s]
ontime7	10060.706385374	Sum of GTIs [s]
l2events	13123	Number of level 2 events



2 OBI

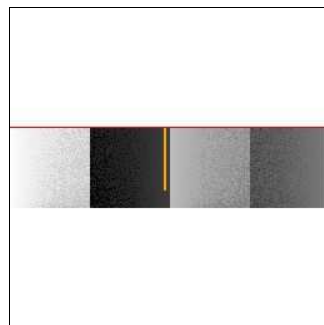
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	10060.706385374	Sum of GTIs [s]
caldsver	4.8.2	 	ontime7	10060.706385374	Sum of GTIs [s]
date	2018-12-25T14:48:58	Date and time of file creation	l1events	26661	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

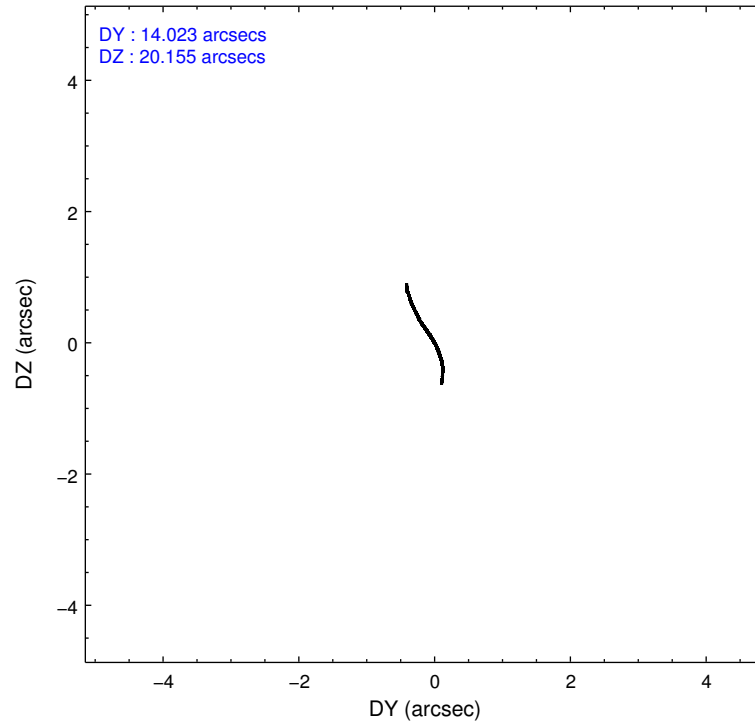
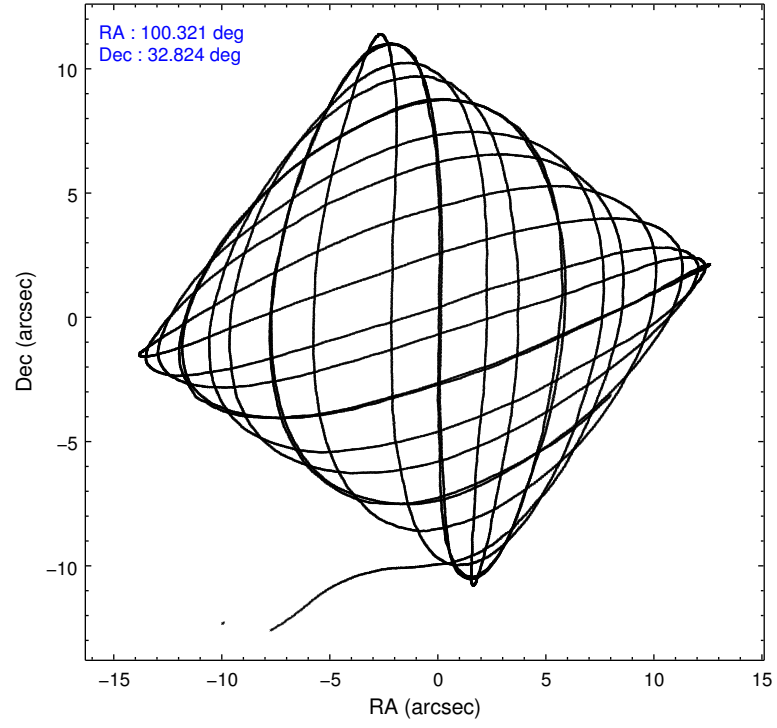
	ccd 7
level 1 events	26661
rejected events	13138
rejected %	49%

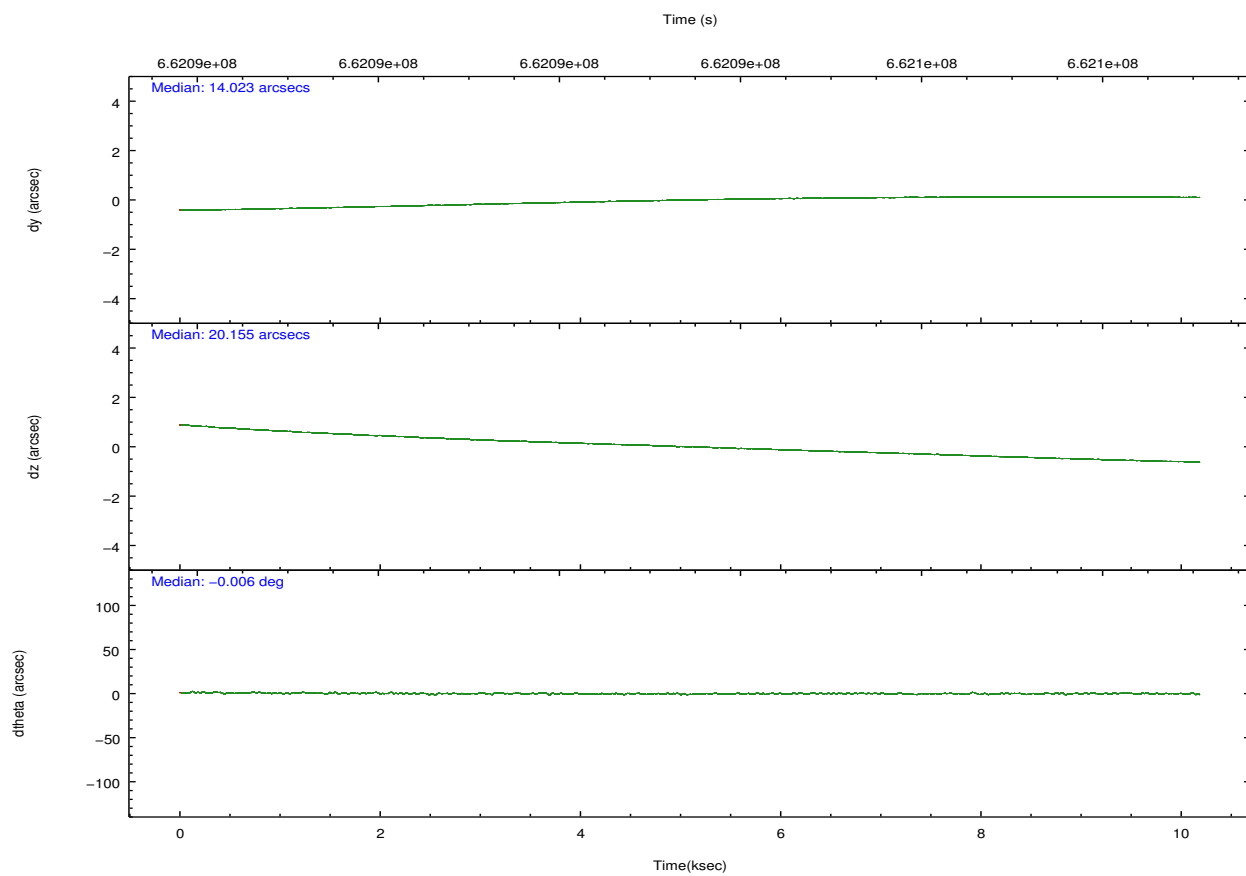
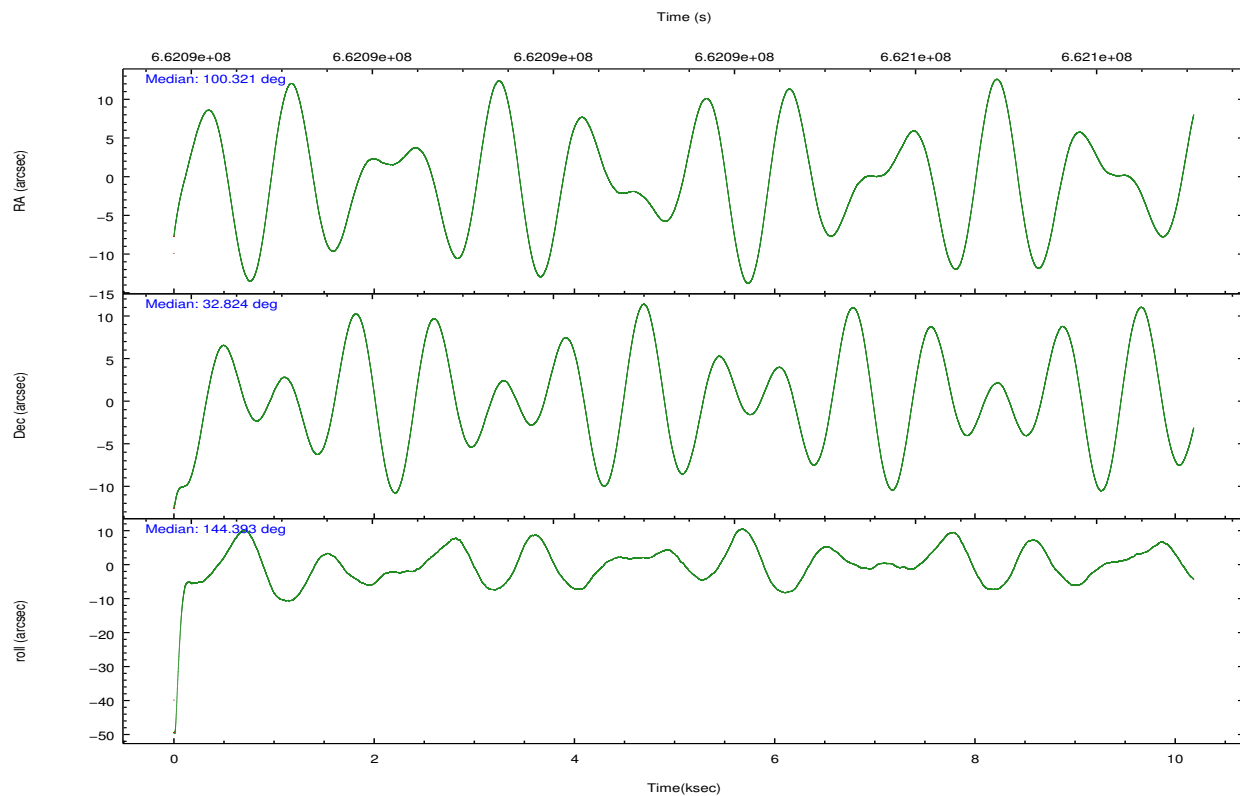
	ccd 7
grade 0 events	1442
	5%
grade 1 events	41
	0%
grade 2 events	2870
	10%
grade 3 events	1487
	5%
grade 4 events	1477
	5%
grade 5 events	2691
	10%
grade 6 events	6254
	23%
grade 7 events	10399
	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	100.352693	100.3201370861045	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	32.821518	32.82377918878358	Subarray start row	385	385
[deg] Pointing Roll	144.206970	144.3811881912718	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	662088533.184000	662087559.02633			
Observation start date	2018-12-25T01:27:44	2018-12-25T01:12:39			
[s] Observation end time (MET)	662098533.184000	662099416.22703			
Observation end date	2018-12-25T04:14:24	2018-12-25T04:30:16			
Read mode	TIMED	TIMED			

2.3 Aspect



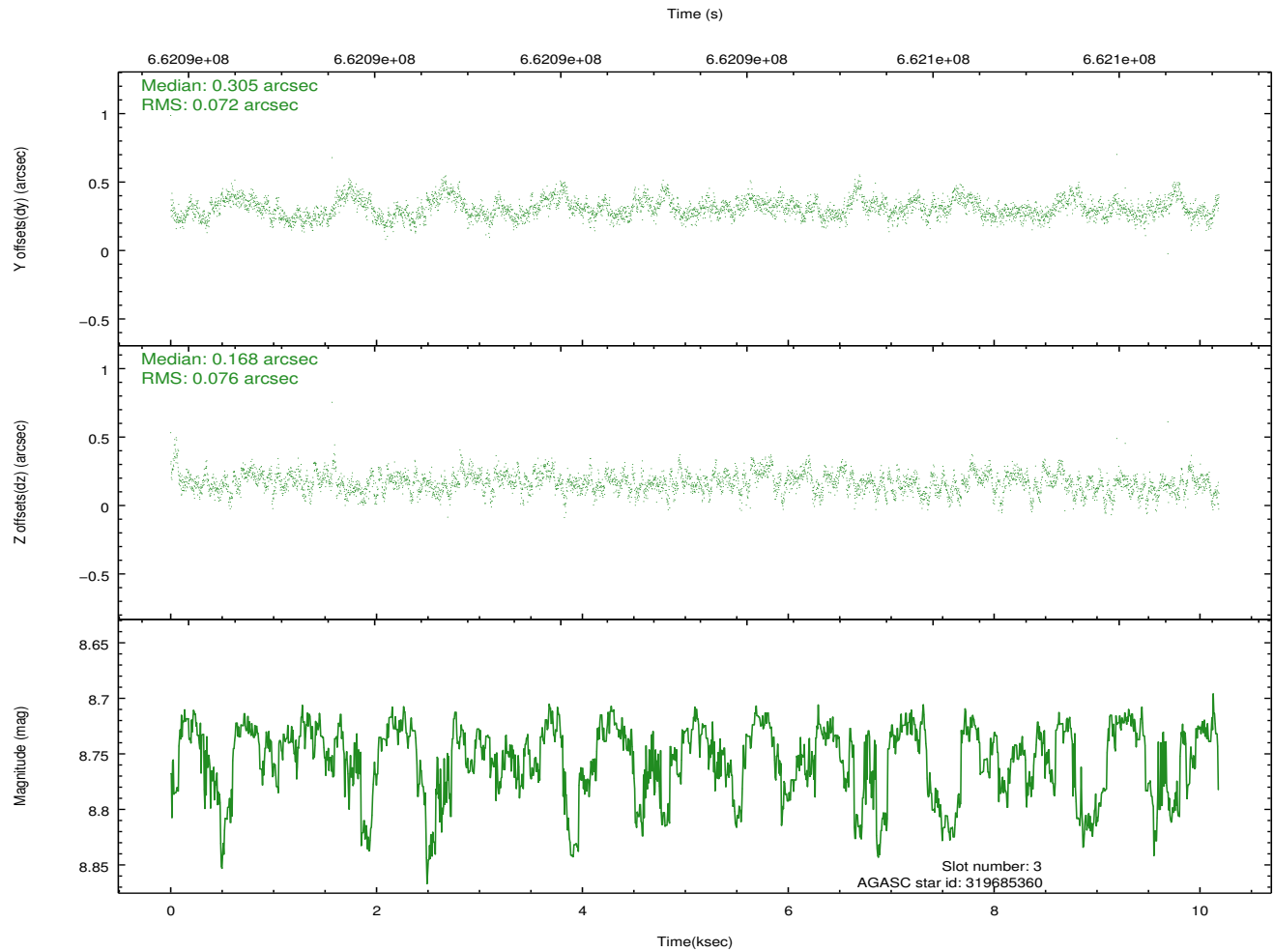
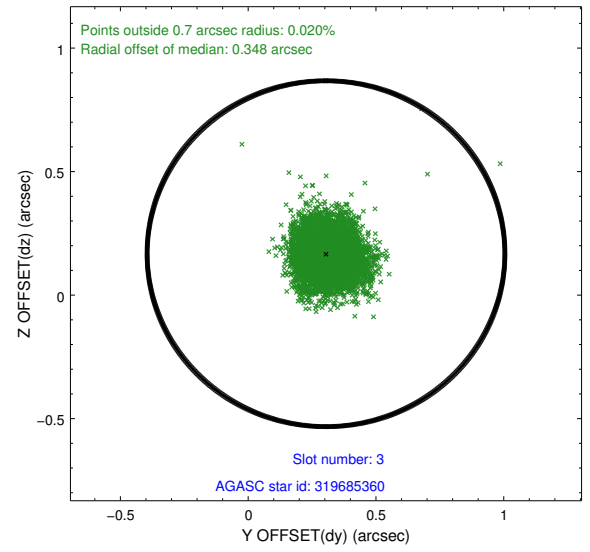
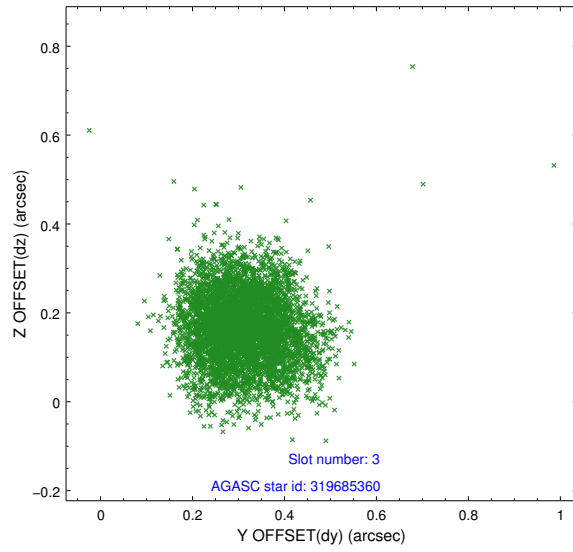


Slot Statistics

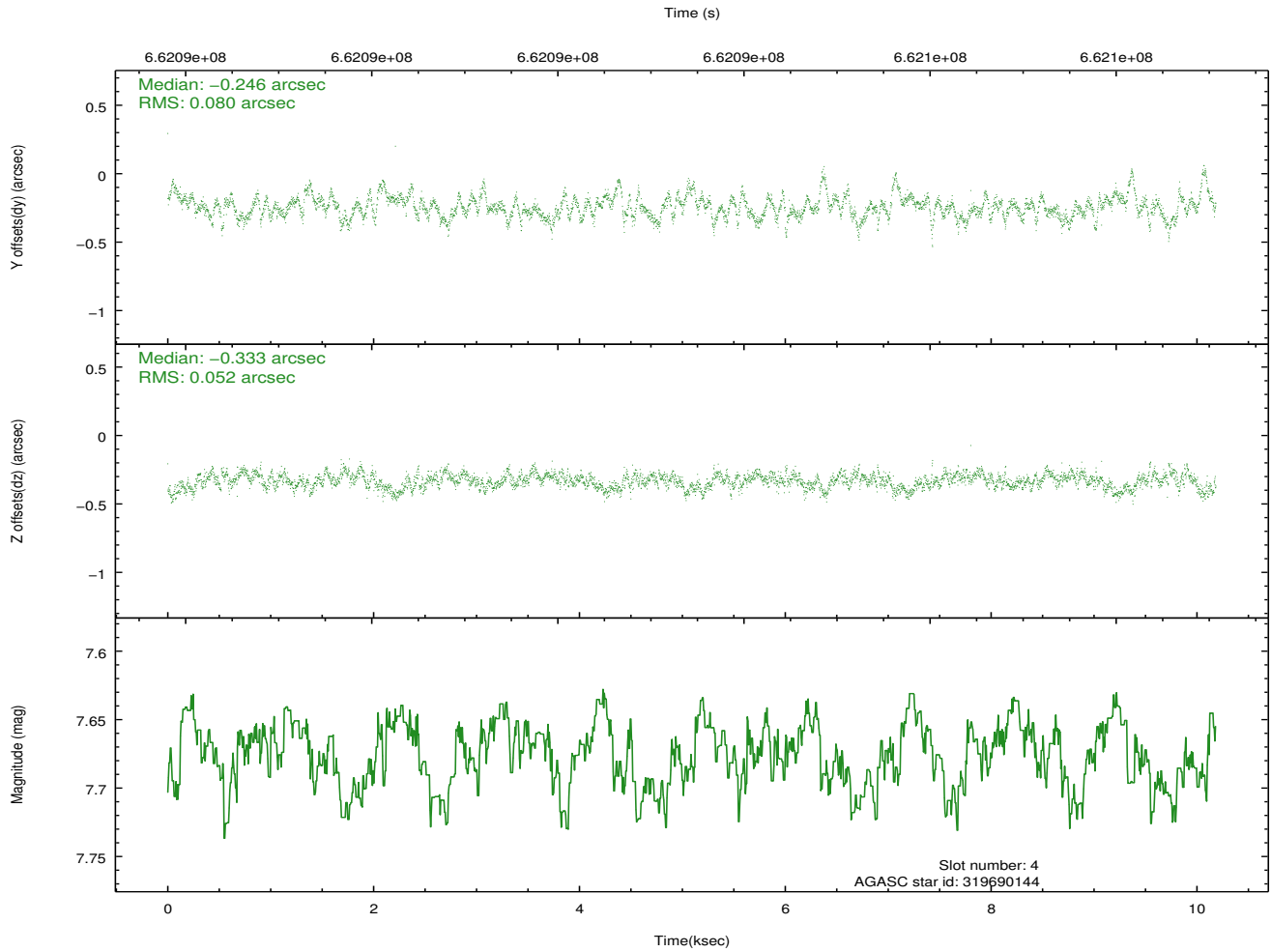
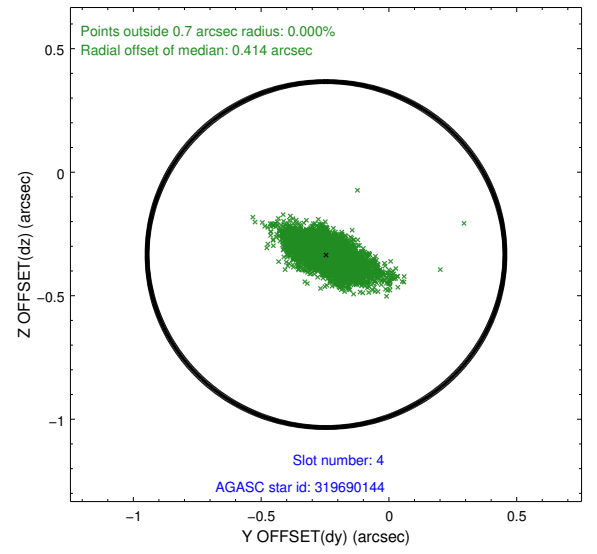
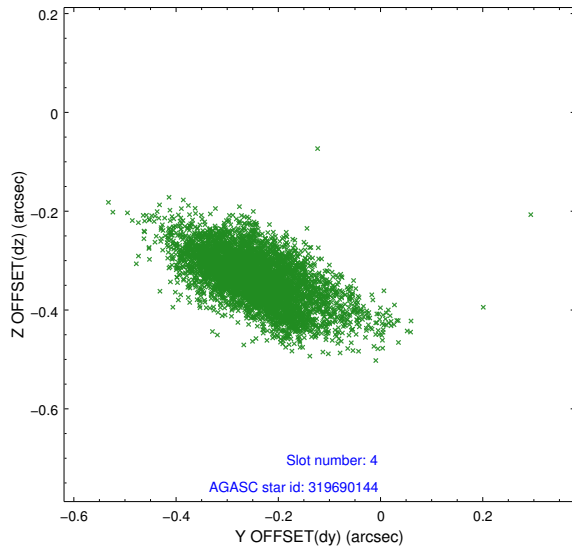
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.14	2485	1.000	-0.154	-0.131	0.023	0.031	0.000000	0.000000	928.98	-1737
1	FID		ACIS-S-4	7.16	2485	1.000	0.306	0.143	0.011	0.019	0.000000	0.000000	2147.12	166
2	FID		ACIS-S-6	7.28	2485	1.000	-0.177	-0.005	0.019	0.038	0.000000	0.000000	395.55	804
3	GUIDE	used	319685360	8.75	4966	1.000	0.305	0.168	0.111	0.178	101.020279	32.959465	-1340.65	-1585
4	GUIDE	used	319690144	7.68	4965	1.000	-0.246	-0.333	0.095	0.175	100.449626	32.636952	-626.33	367
5	GUIDE	used	319690360	8.12	4966	1.000	-0.053	-0.146	0.106	0.171	100.195557	33.025499	815.06	-317
6	GUIDE	used	319817064	8.48	4969	1.000	0.371	0.441	0.085	0.144	101.362677	32.966347	-2159.84	-2216
7	GUIDE	used	319692016	8.10	4967	1.000	-0.392	-0.124	0.086	0.142	99.726598	33.215558	2362.35	-52

2.4 Star Slots

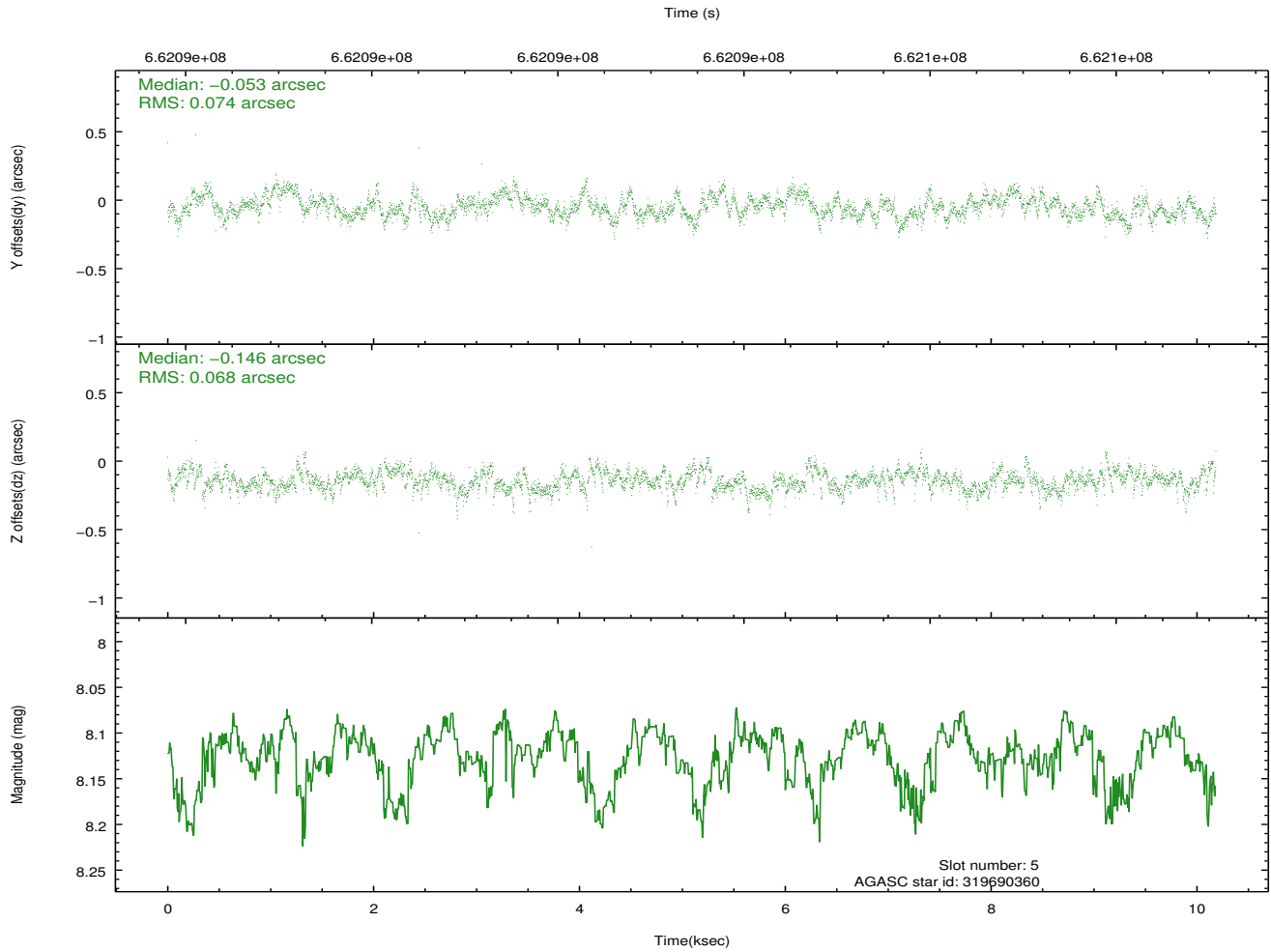
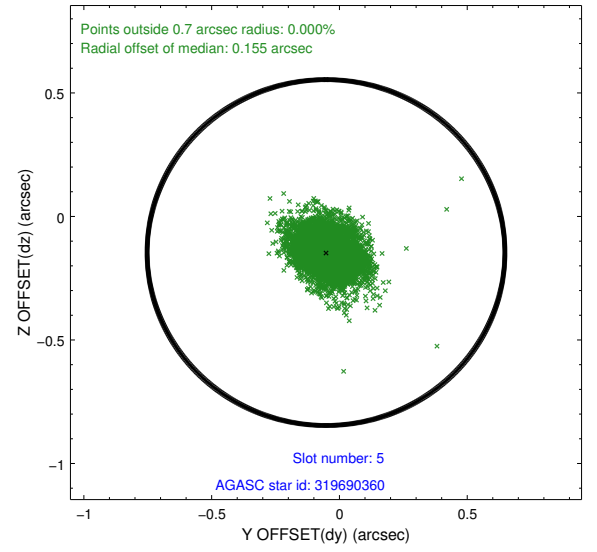
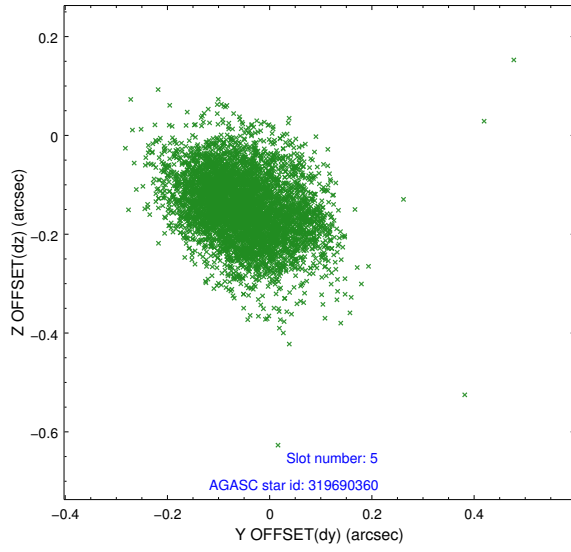
2.4.1 Slot 3



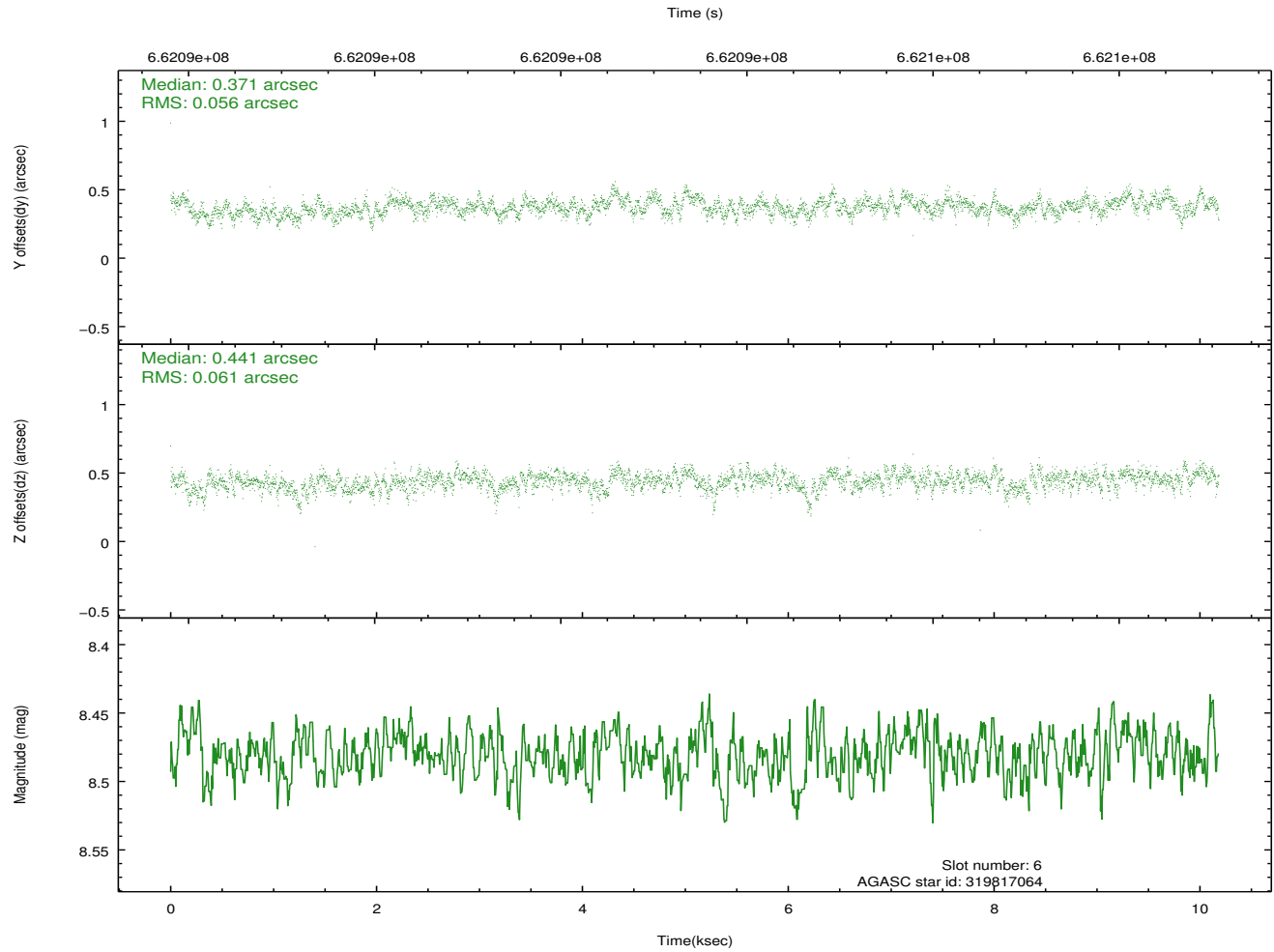
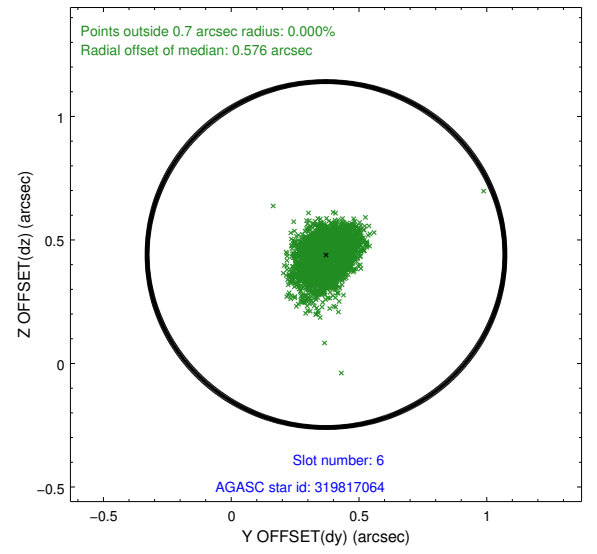
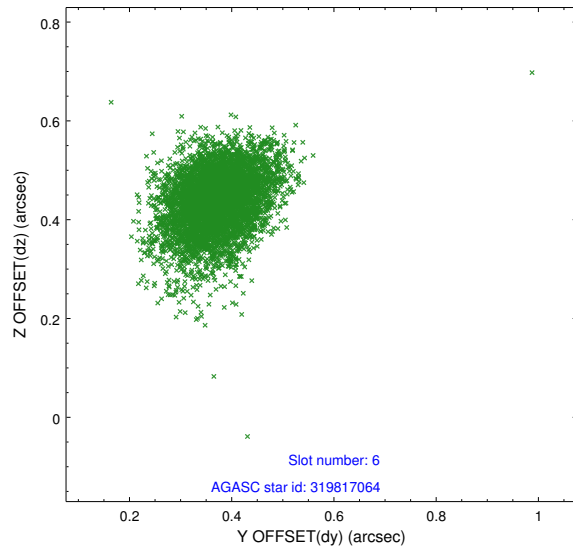
2.4.2 Slot 4



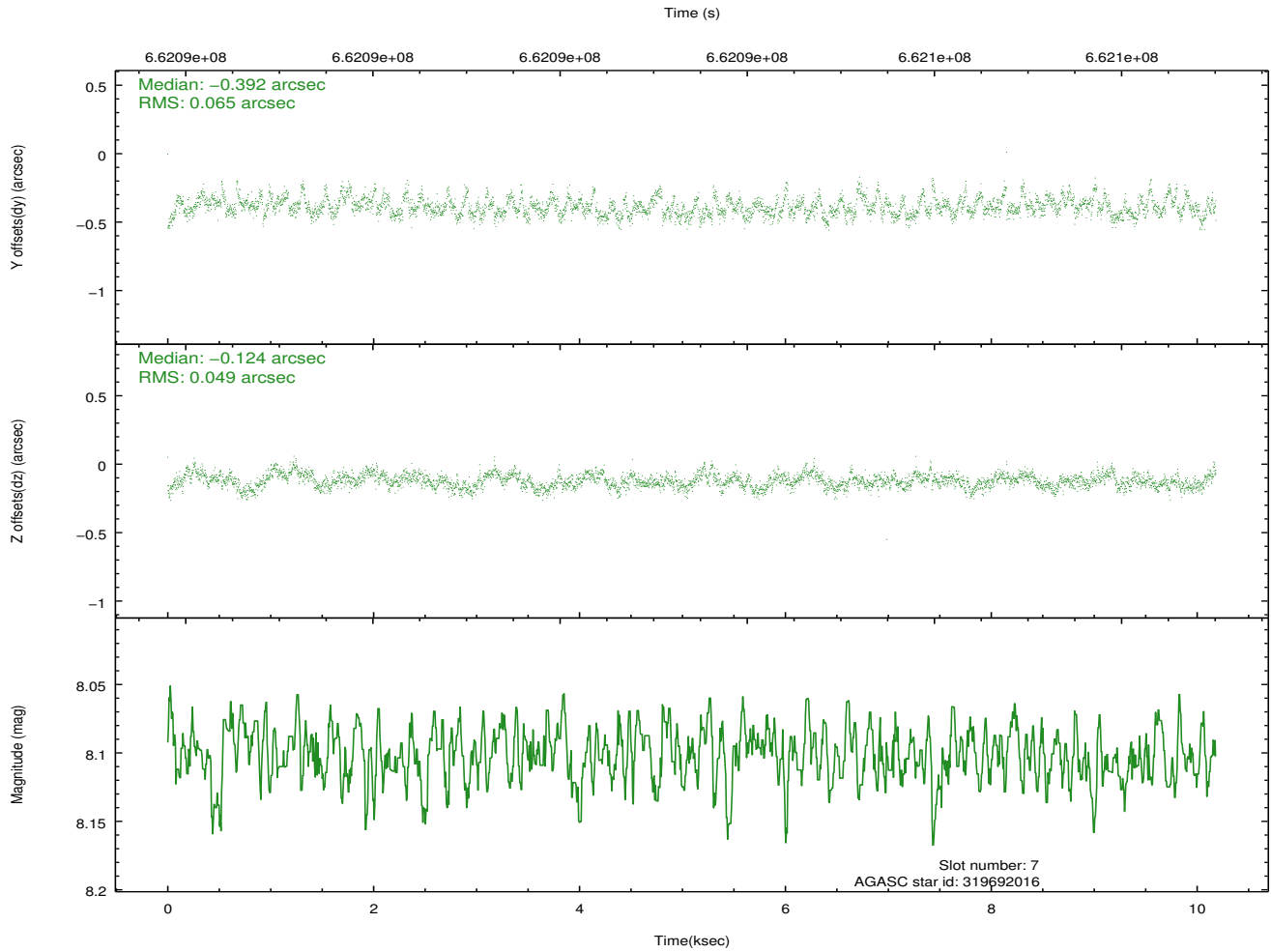
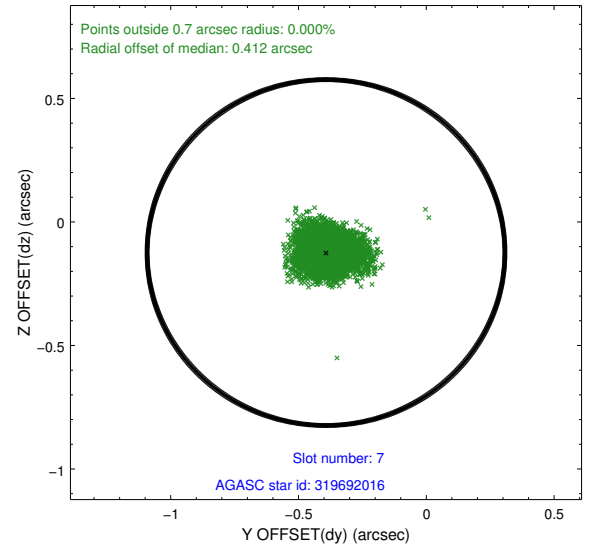
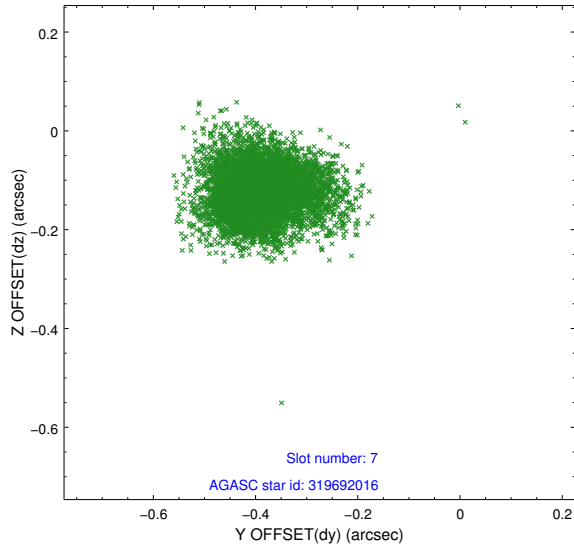
2.4.3 Slot 5



2.4.4 Slot 6

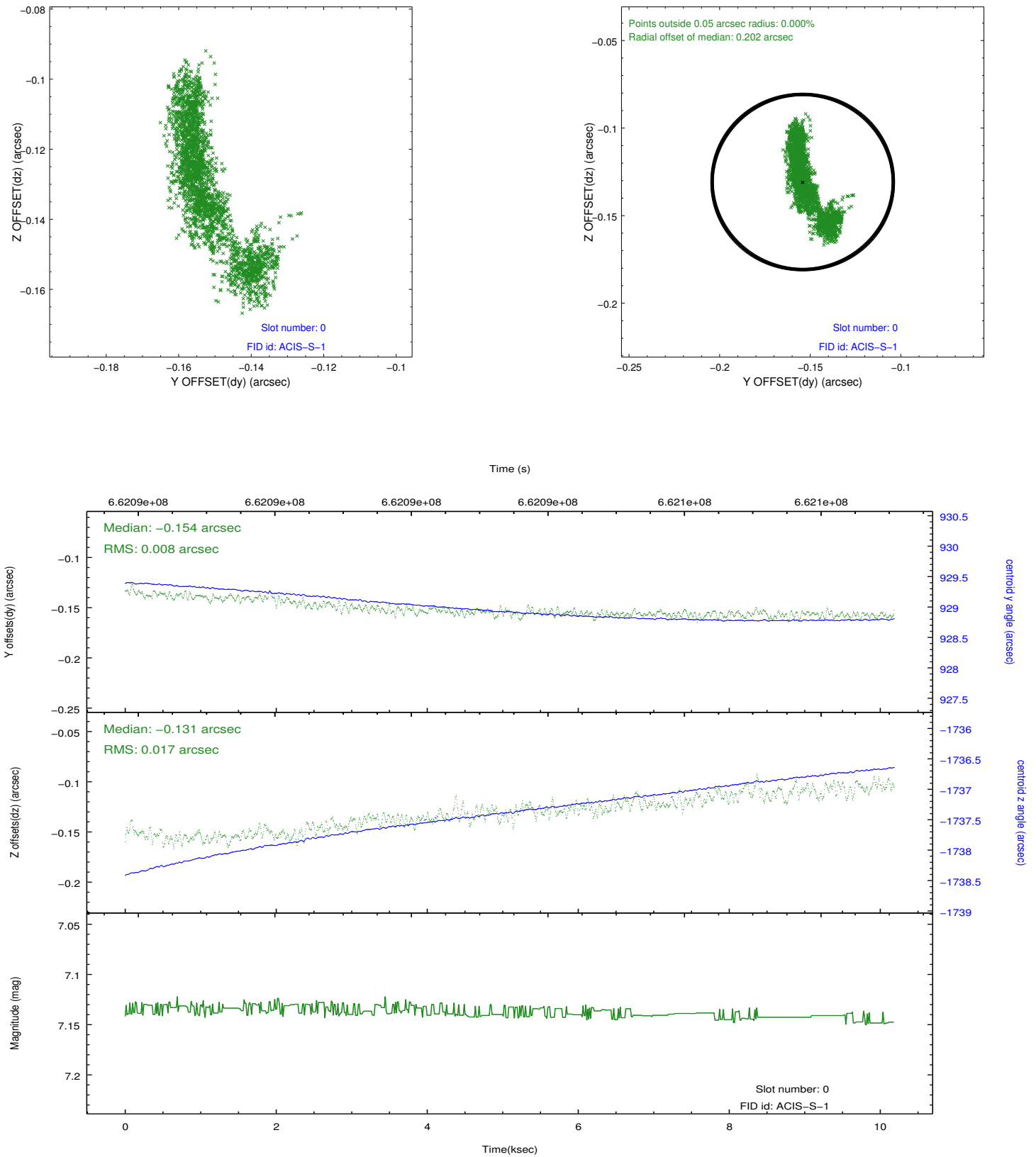


2.4.5 Slot 7

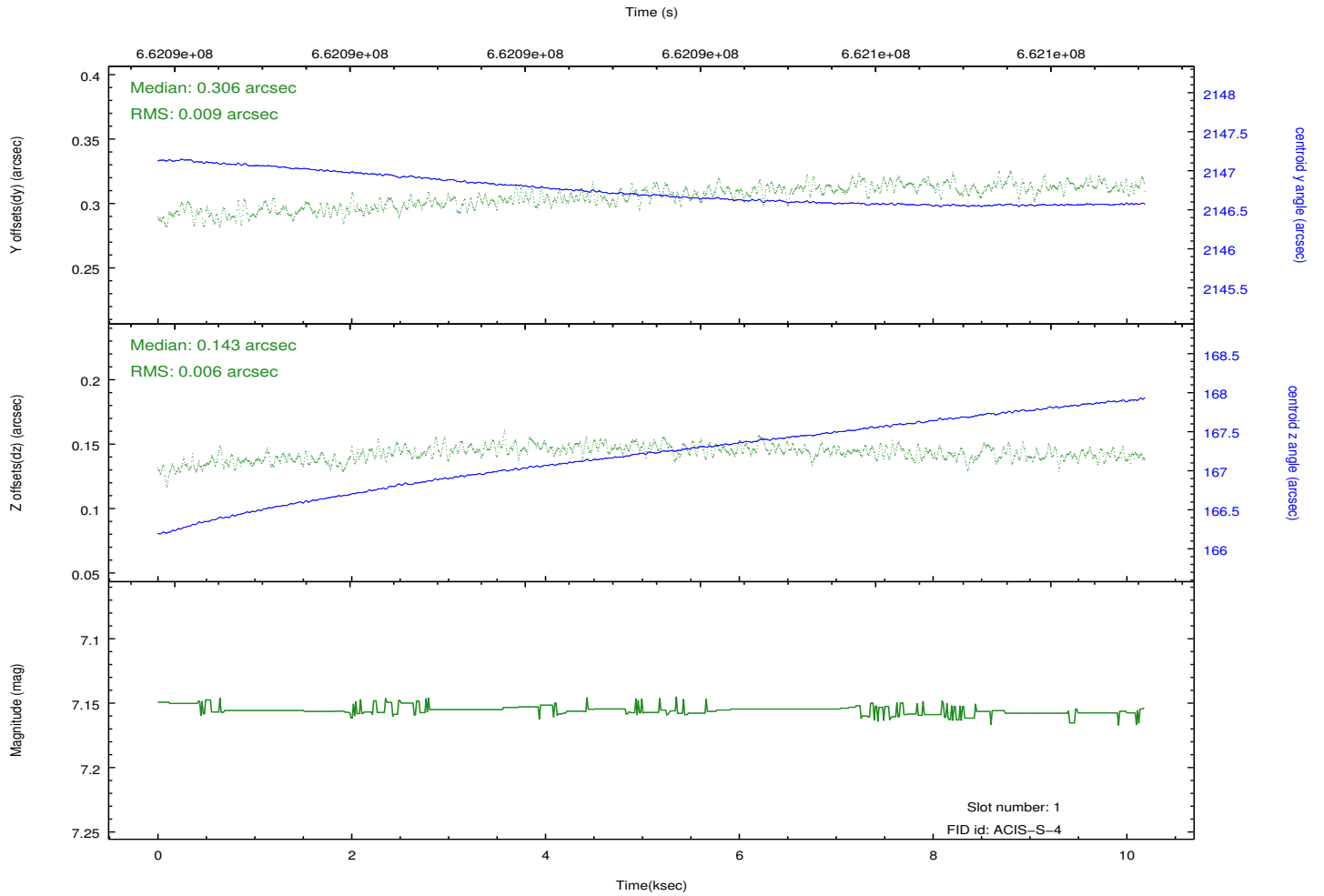
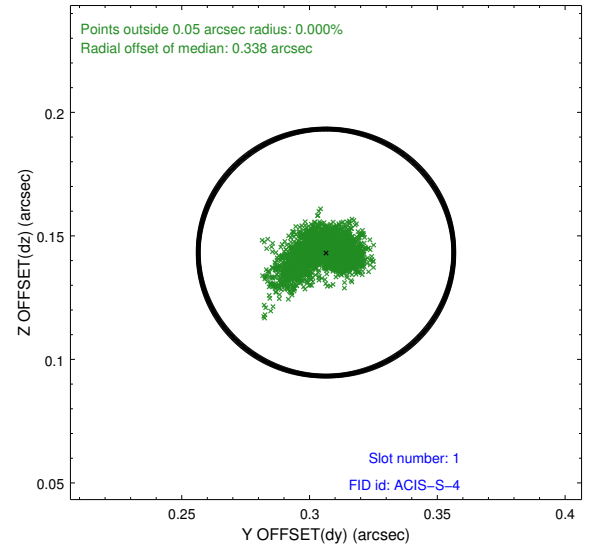
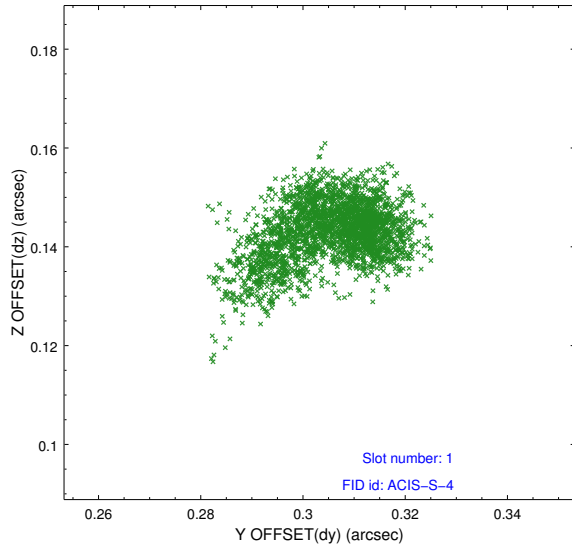


2.5 FID Slots

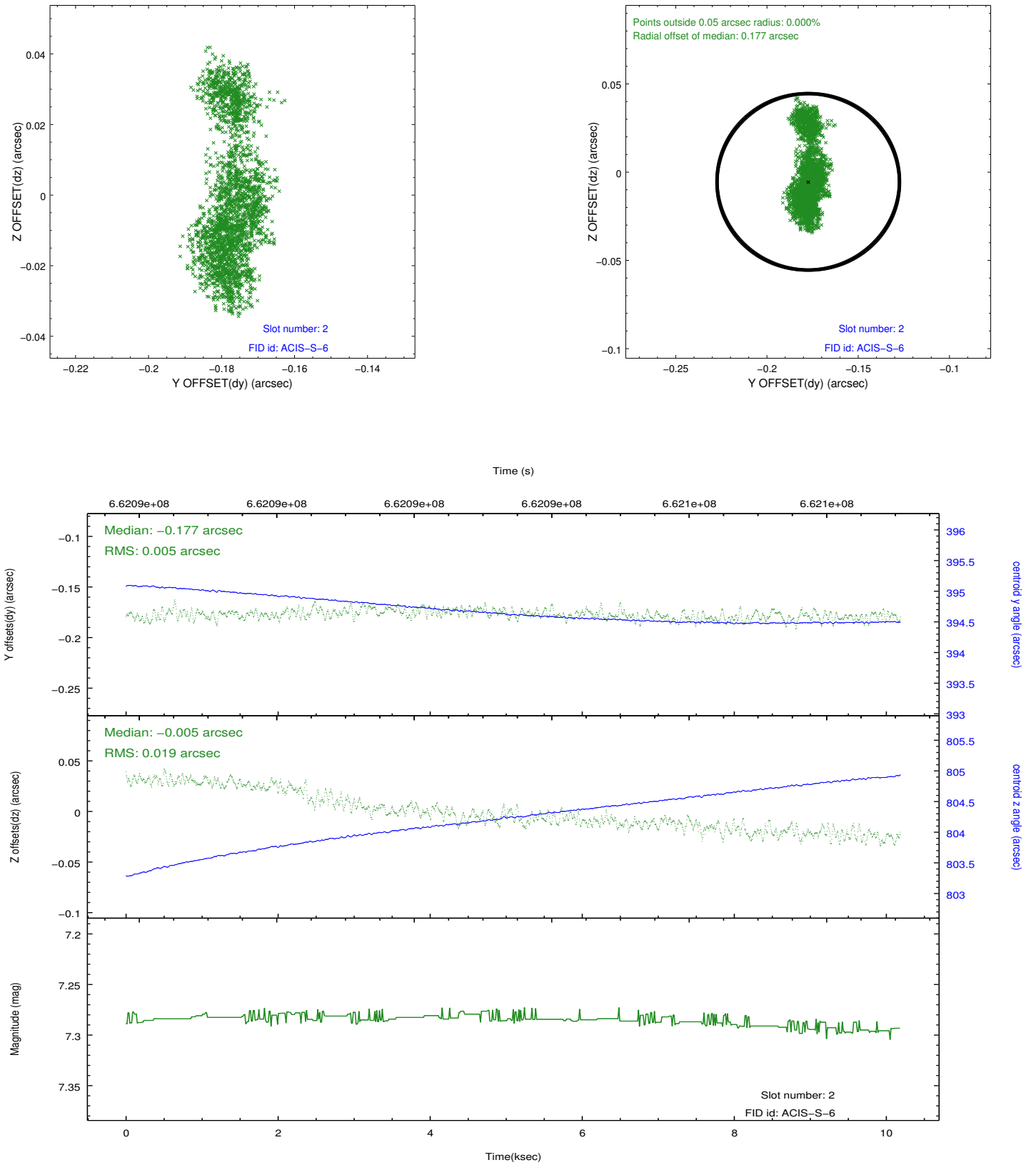
2.5.1 Slot 0



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)	2018.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.060706385374

A.2 Comments