

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21439 - L2 Version 1
Chandra X-Ray Center

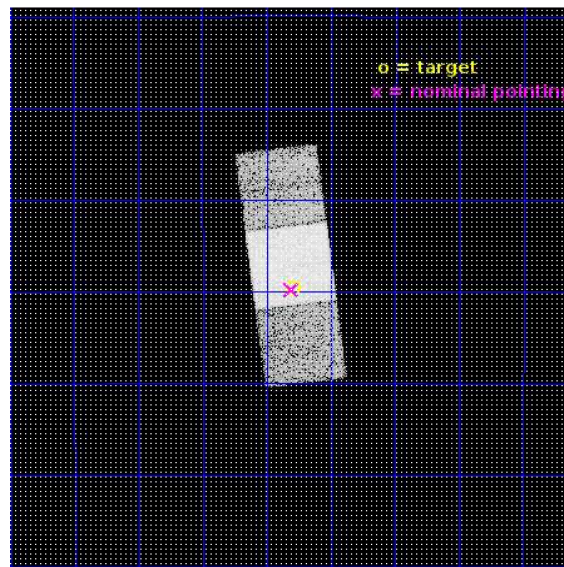
L2 Processing Date : Mar 9 2019

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1 Front

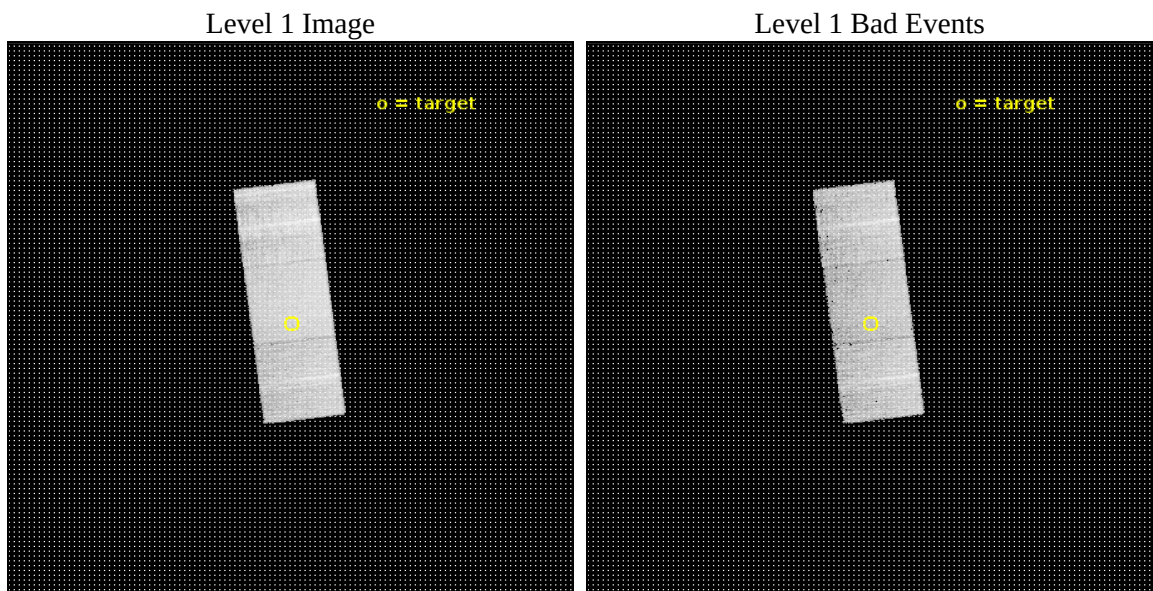
seq_num	703736	Sequence number
obs_id	21439	Observation id
title	Tidal disruption events unveiled: Directly probing the accretion disks through late-time Chandra observations	Proposal title
observer	Edo Berger	Principal investigator
object	DES14C1kia	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.697917	Observer's specified target RA [deg]
dec_targ	-26.326389	Observer's specified target Dec [deg]
ra_nom	53.701896337217	Nominal RA [deg]
dec_nom	-26.329753826814	Nominal Dec [deg]
roll_nom	262.79668171853	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10803.500083208	Sum of GTIs [s]
livetime	10662.3444012	Livetime [s]
ontime6	10800.359122992	Sum of GTIs [s]
ontime7	10803.500083208	Sum of GTIs [s]
ontime8	10803.500083208	Sum of GTIs [s]
l2events	63761	Number of level 2 events



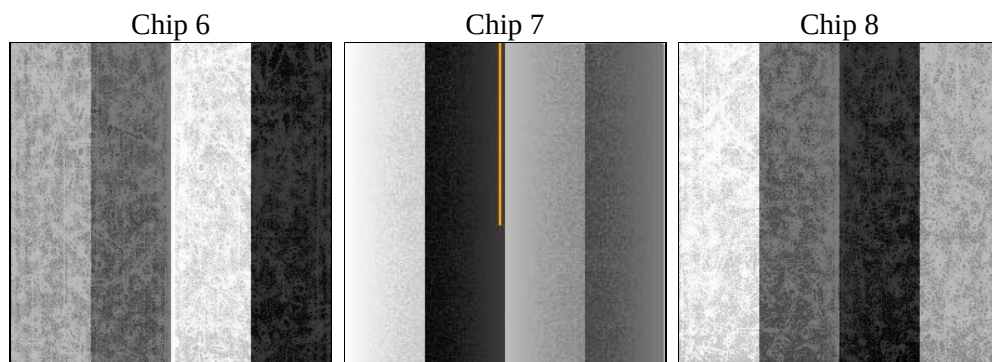
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10691.732000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	10803.500083208	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	10800.359122992	Sum of GTIs [s]
date	2019-03-09T15:03:08	Date and time of file creation	ontime7	10803.500083208	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	10803.500083208	Sum of GTIs [s]
			l1events	298024	Number of level 1 events

2.1.4 Events

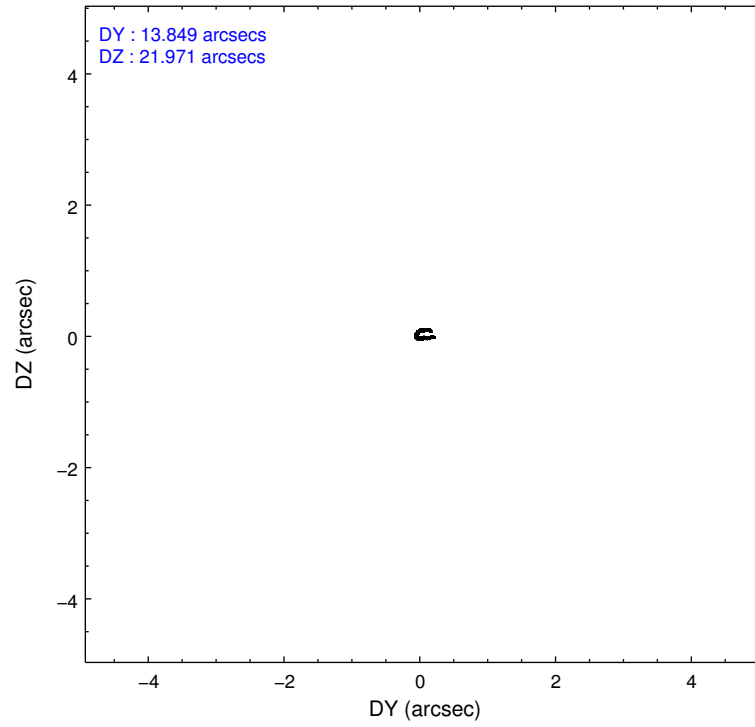
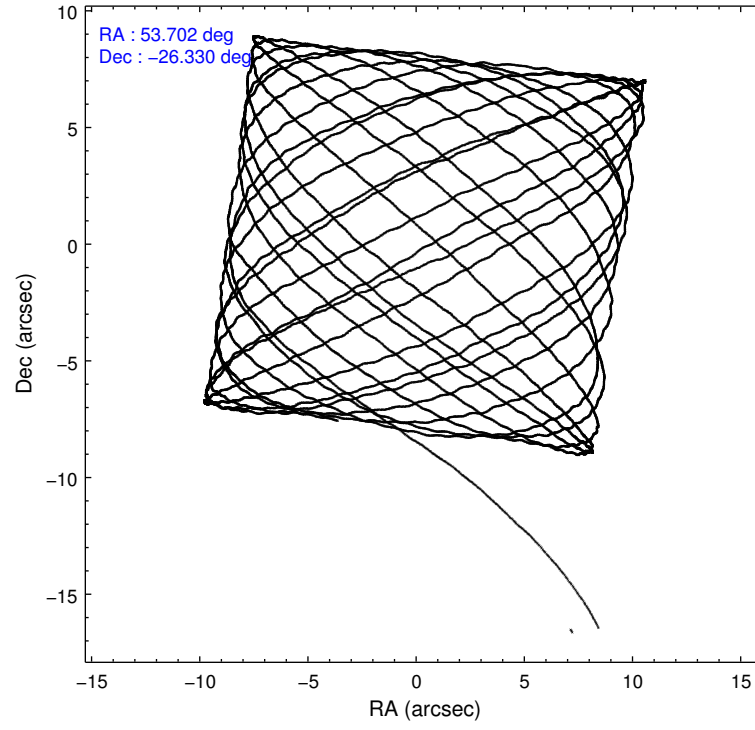
	ccd 6	ccd 7	ccd 8
level 1 events	83351	105624	109049
rejected events	74021	58559	76796
rejected %	88%	55%	70%

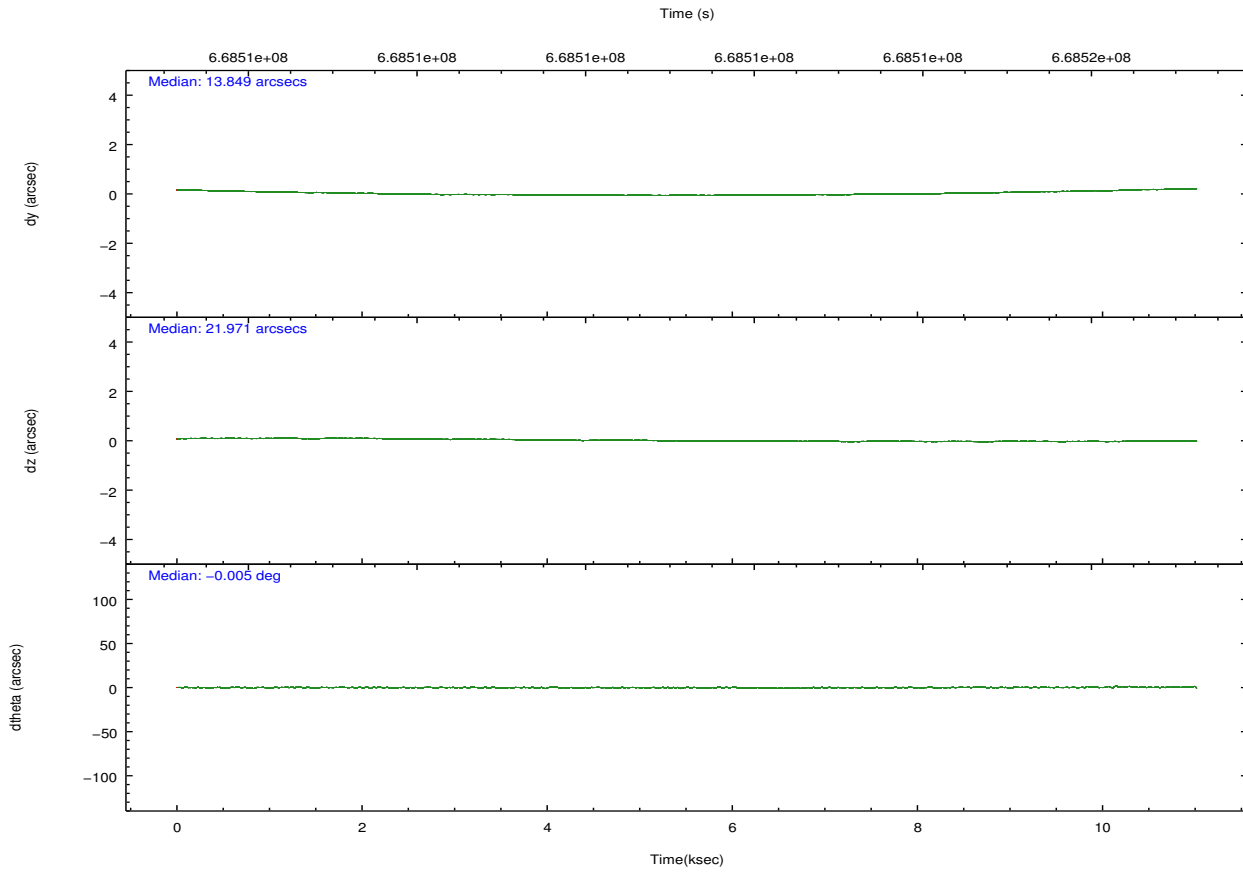
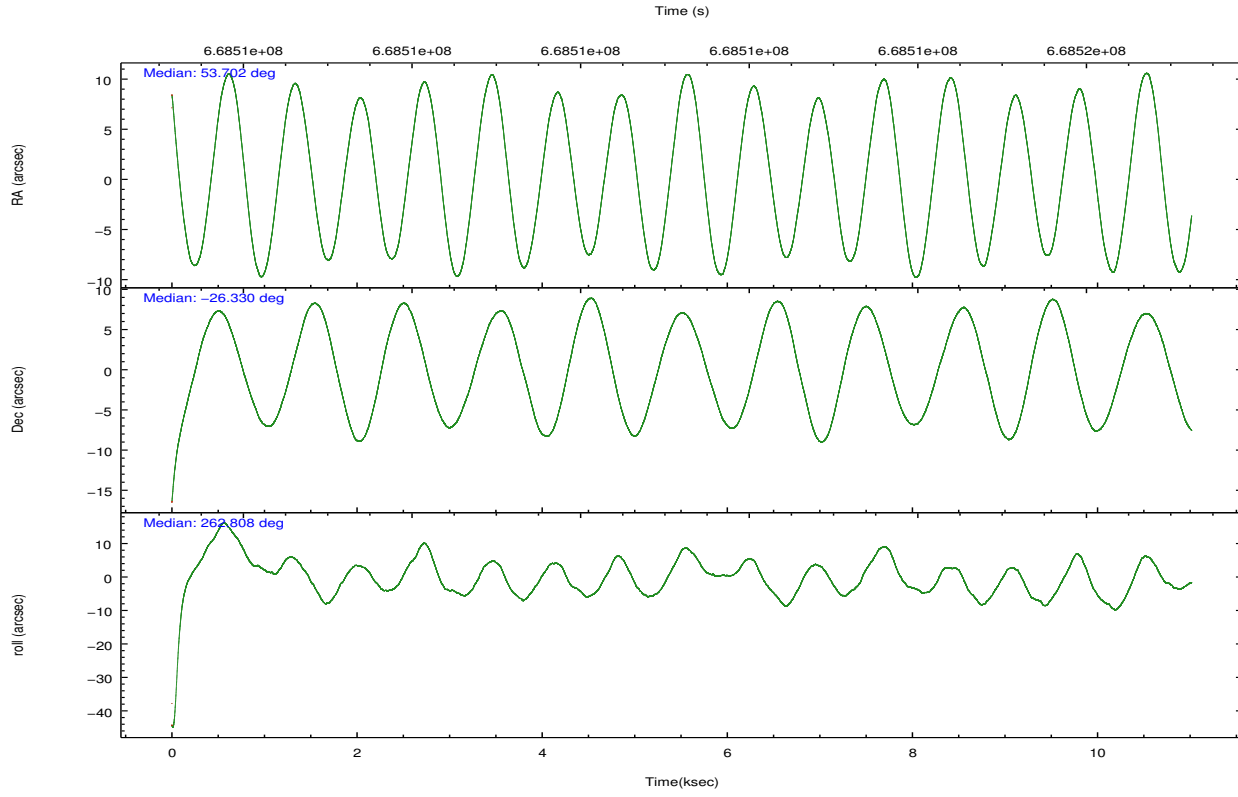
	ccd 6	ccd 7	ccd 8
grade 0 events	3054	4018	9411
	3%	3%	8%
grade 1 events	42	151	110
	0%	0%	0%
grade 2 events	2225	10155	7952
	2%	9%	7%
grade 3 events	904	3850	3149
	1%	3%	2%
grade 4 events	942	3879	3115
	1%	3%	2%
grade 5 events	4018	10689	5786
	4%	10%	5%
grade 6 events	2207	25173	8648
	2%	23%	7%
grade 7 events	69959	47709	70878
	83%	45%	64%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
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	53.689701	53.70189633721743	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.304597	-26.32975382681412	Alternating exposures requested	N	N
[deg] Pointing Roll	262.634714	262.7966817185268	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	668506022.184000	668505117.20968			
Observation start date	2019-03-09T08:05:53	2019-03-09T07:51:57			
[s] Observation end time (MET)	668516714.184000	668517684.22293			
Observation end date	2019-03-09T11:04:05	2019-03-09T11:21:24			
Read mode	TIMED	TIMED			

2.3 Aspect



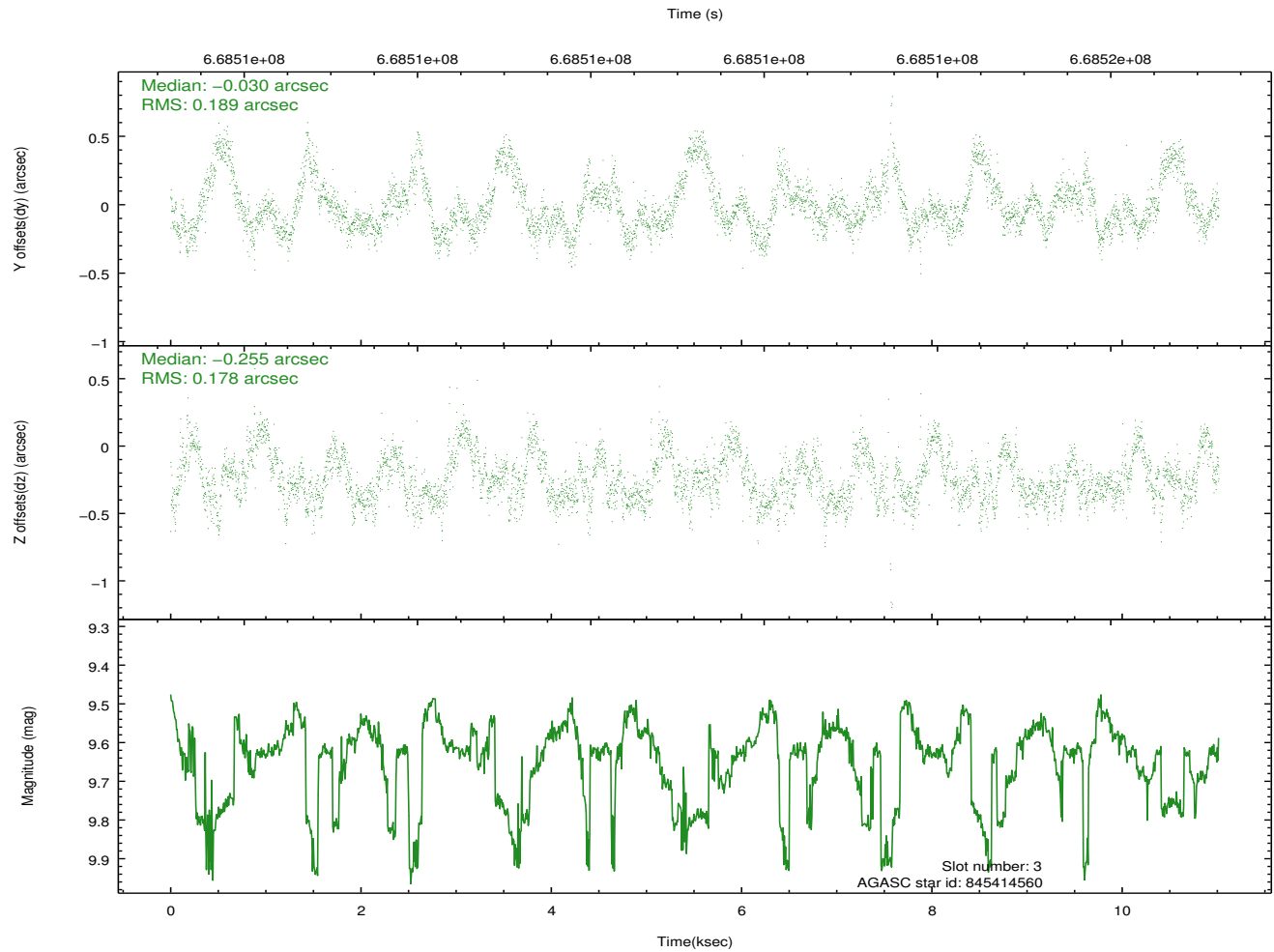
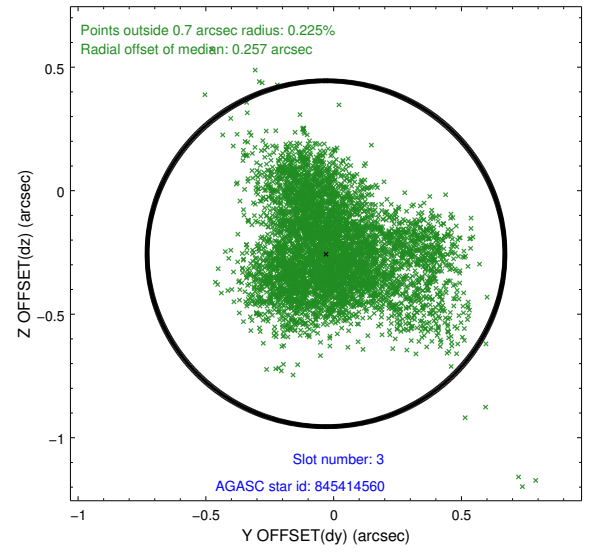
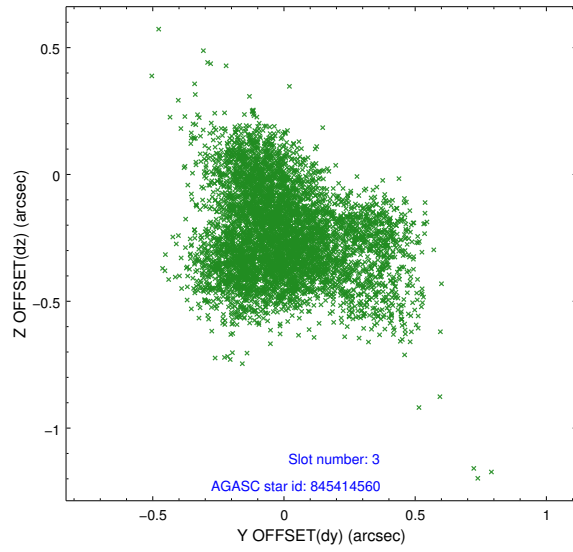


Slot Statistics

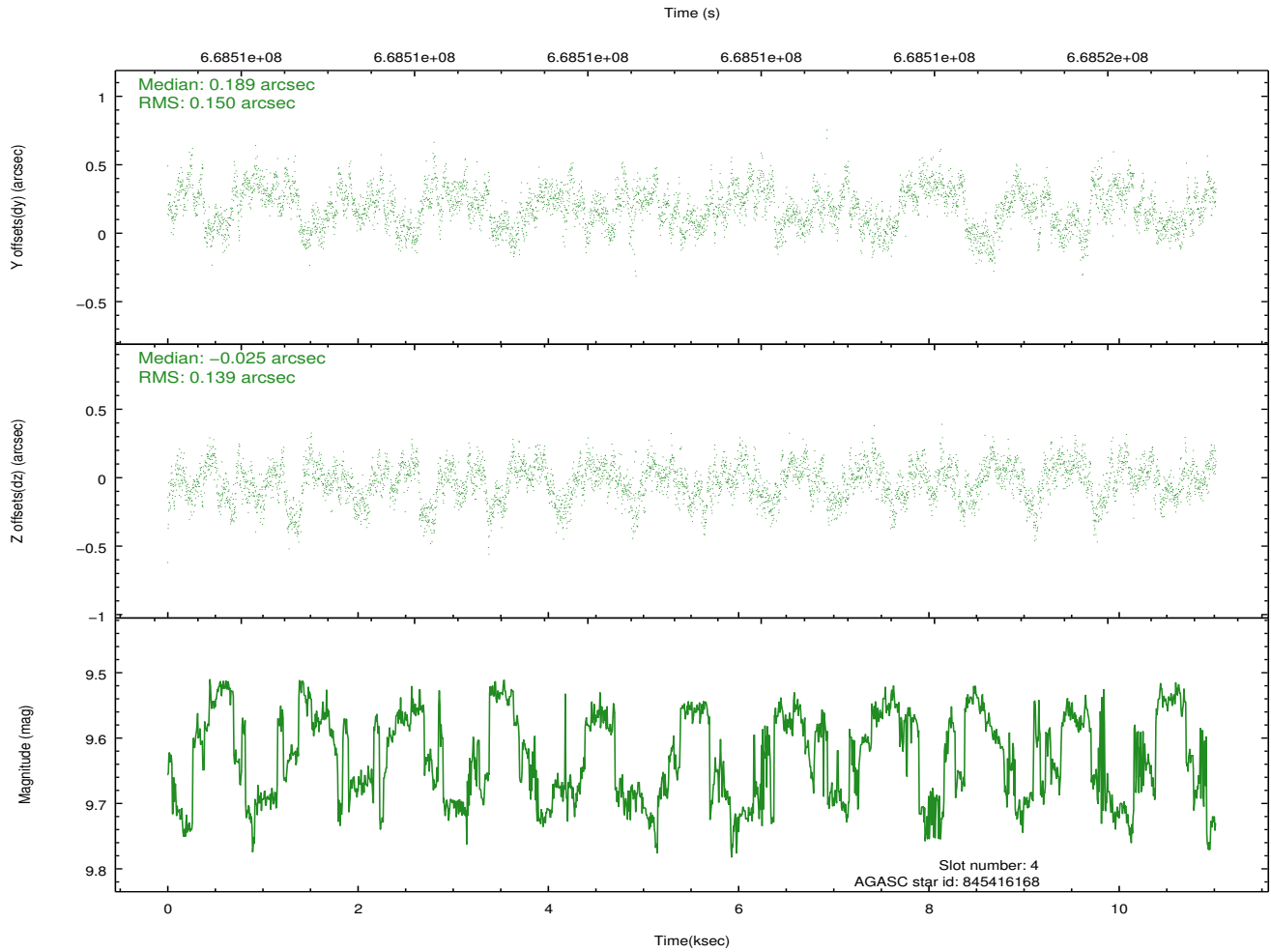
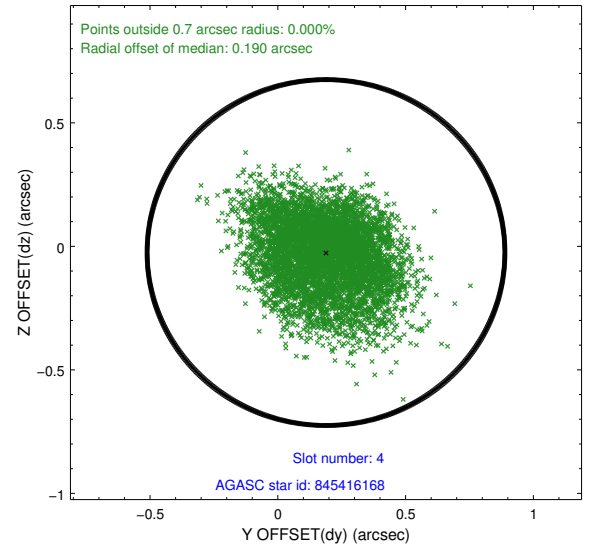
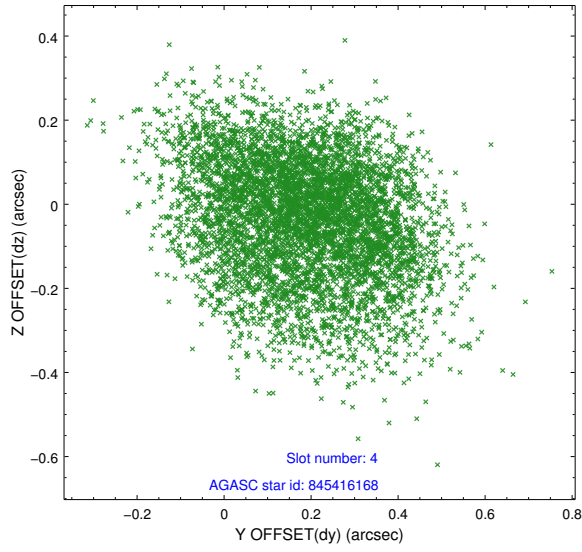
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.98	2688	1.000	-0.281	-0.167	0.008	0.014	0.000000	0.000000	-767.06	-1743
1	FID		ACIS-S-4	7.11	2688	1.000	0.684	0.180	0.007	0.012	0.000000	0.000000	2146.93	164
2	FID		ACIS-S-5	7.10	2688	1.000	-0.435	-0.005	0.008	0.013	0.000000	0.000000	-1819.49	158
3	GUIDE	used	845414560	9.63	5334	1.000	-0.030	-0.255	0.270	0.450	53.858079	-26.030821	-1047.30	415
4	GUIDE	used	845416168	9.63	5358	1.000	0.189	-0.025	0.220	0.344	53.160032	-26.752934	1822.54	-1480
5	GUIDE	used	845416336	8.76	5373	1.000	-0.273	-0.283	0.136	0.212	53.960749	-26.787384	1614.16	1087
6	GUIDE	used	845418032	9.75	5259	1.000	-0.117	0.195	0.256	0.423	53.453562	-26.318583	148.64	-747
7	GUIDE	used	845421488	6.21	5372	1.000	0.212	0.325	0.113	0.188	53.111135	-25.658502	-2061.18	-2158

2.4 Star Slots

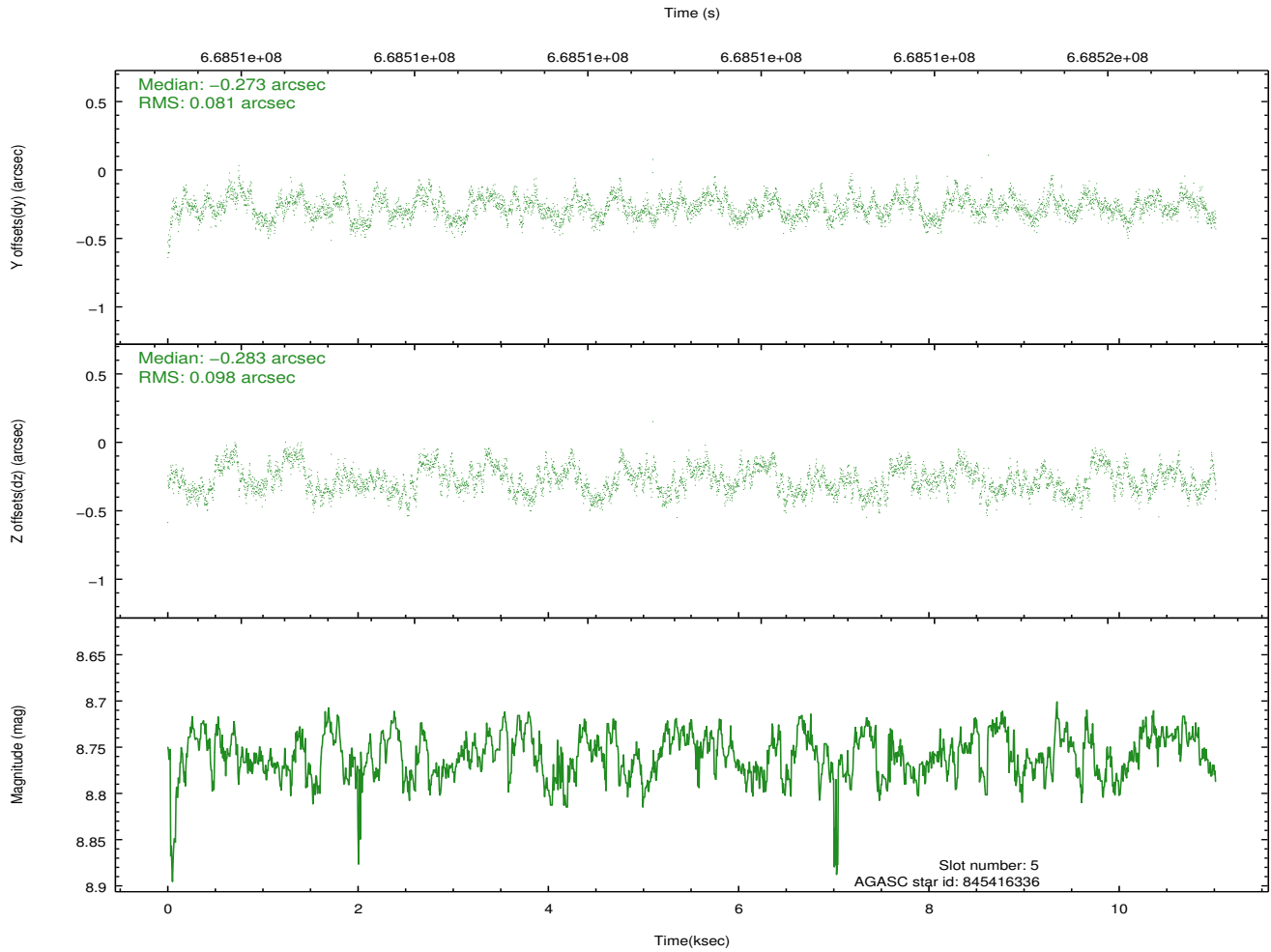
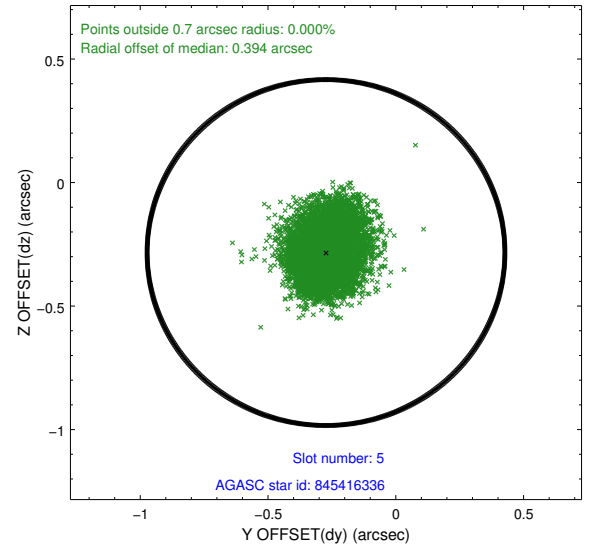
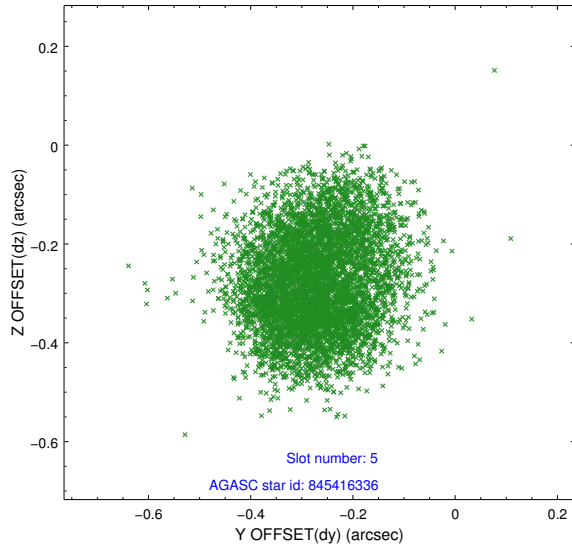
2.4.1 Slot 3



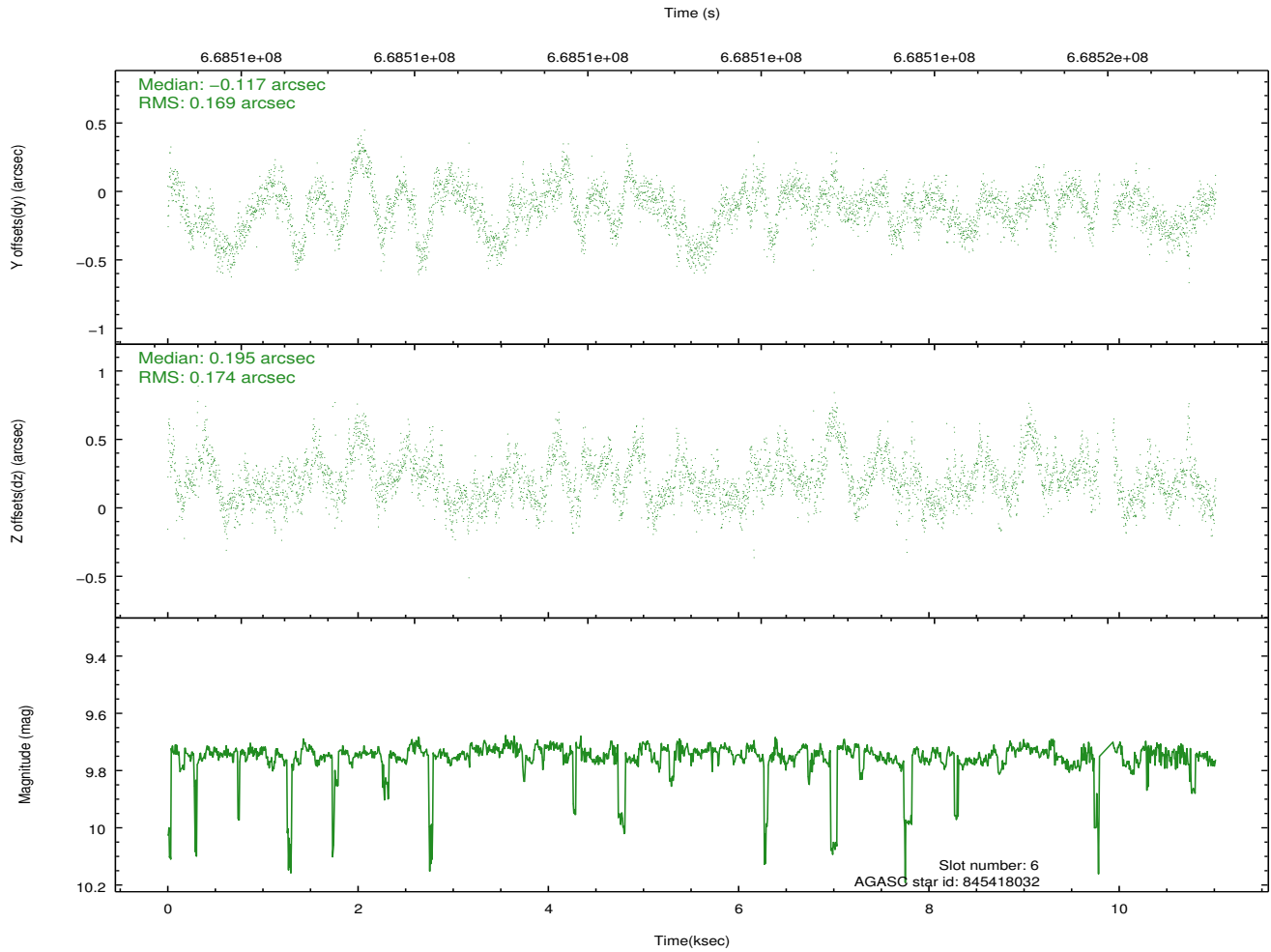
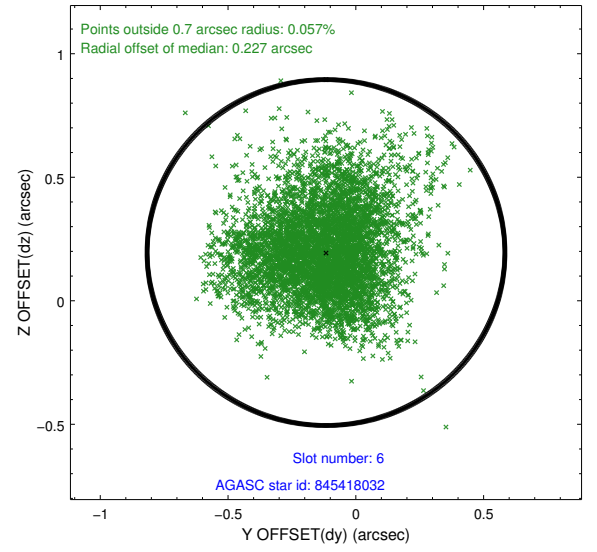
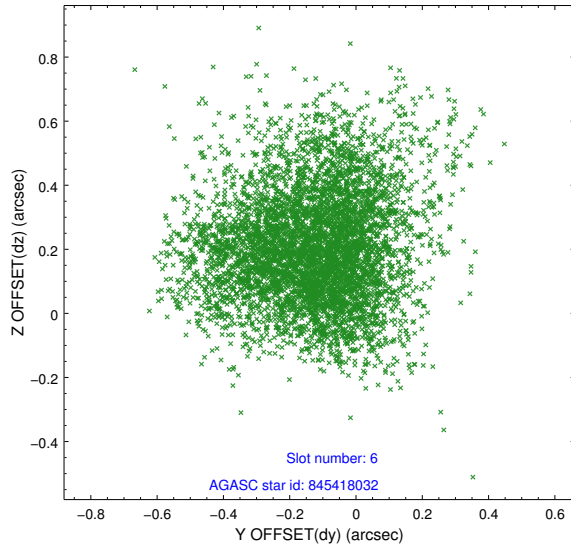
2.4.2 Slot 4



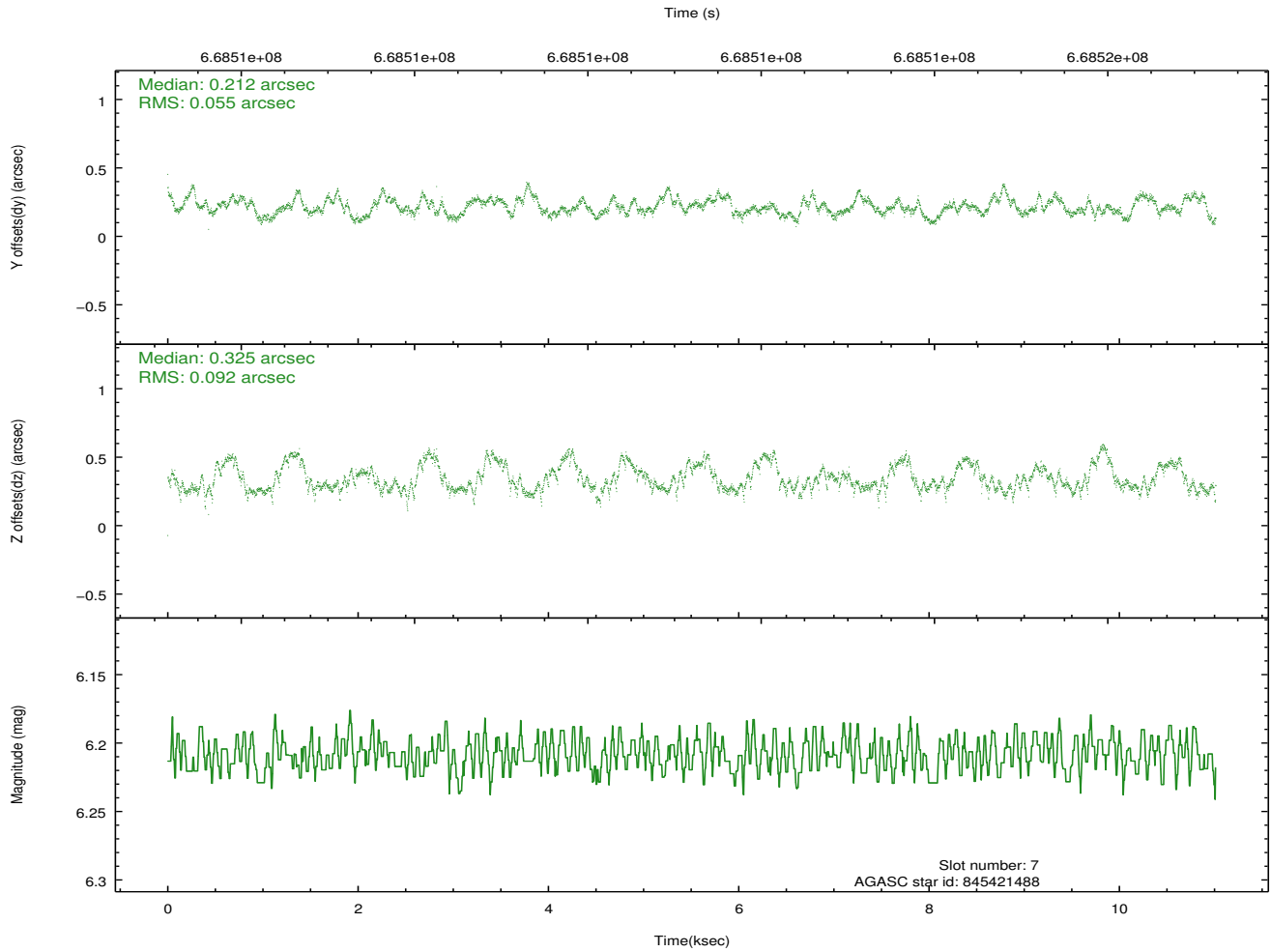
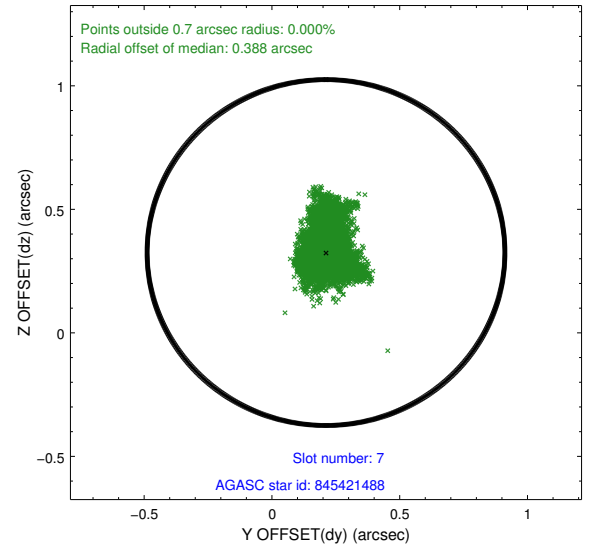
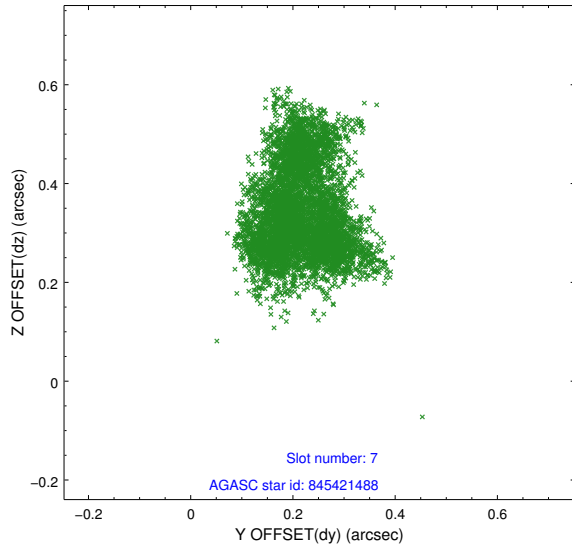
2.4.3 Slot 5



2.4.4 Slot 6

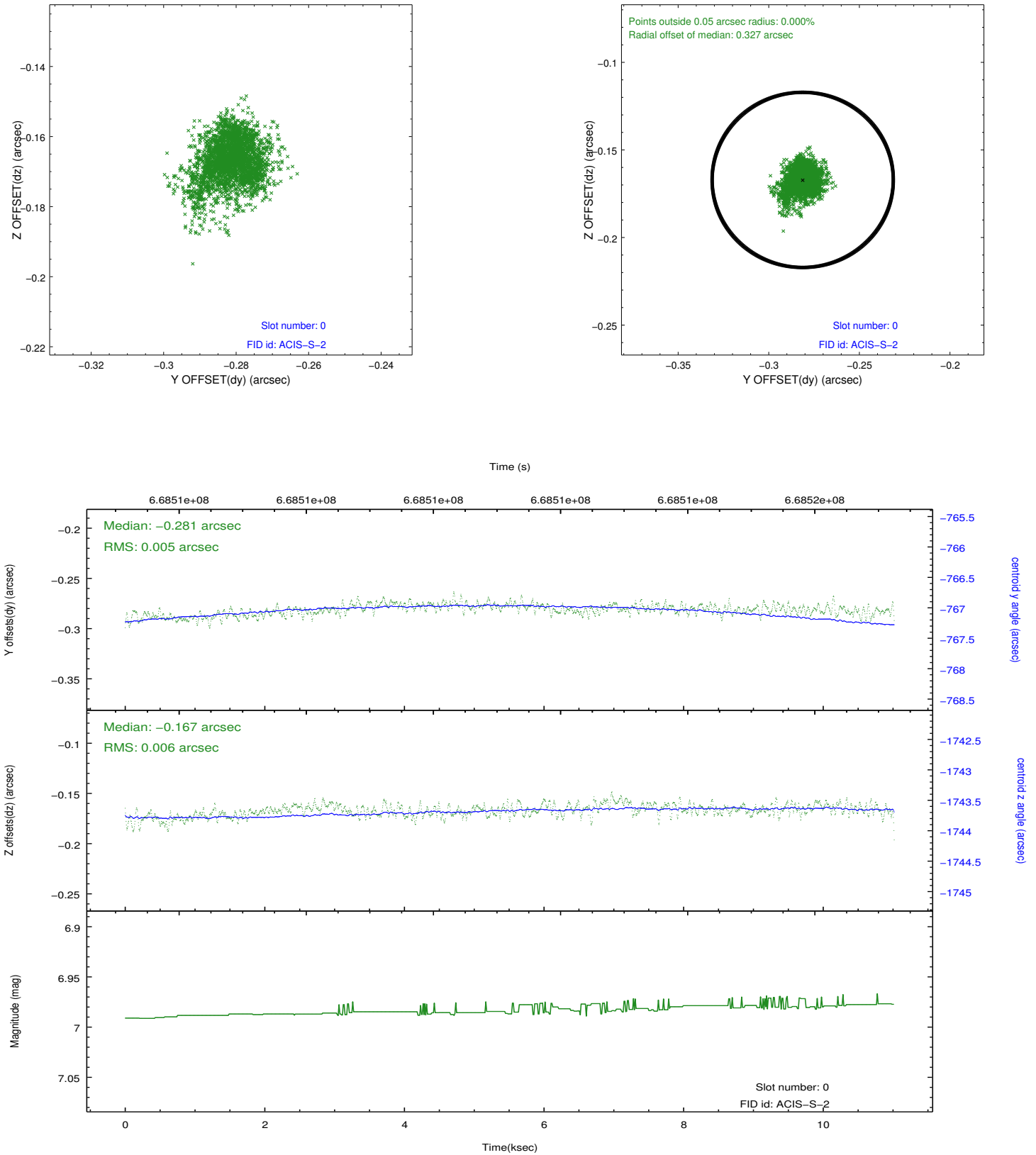


2.4.5 Slot 7

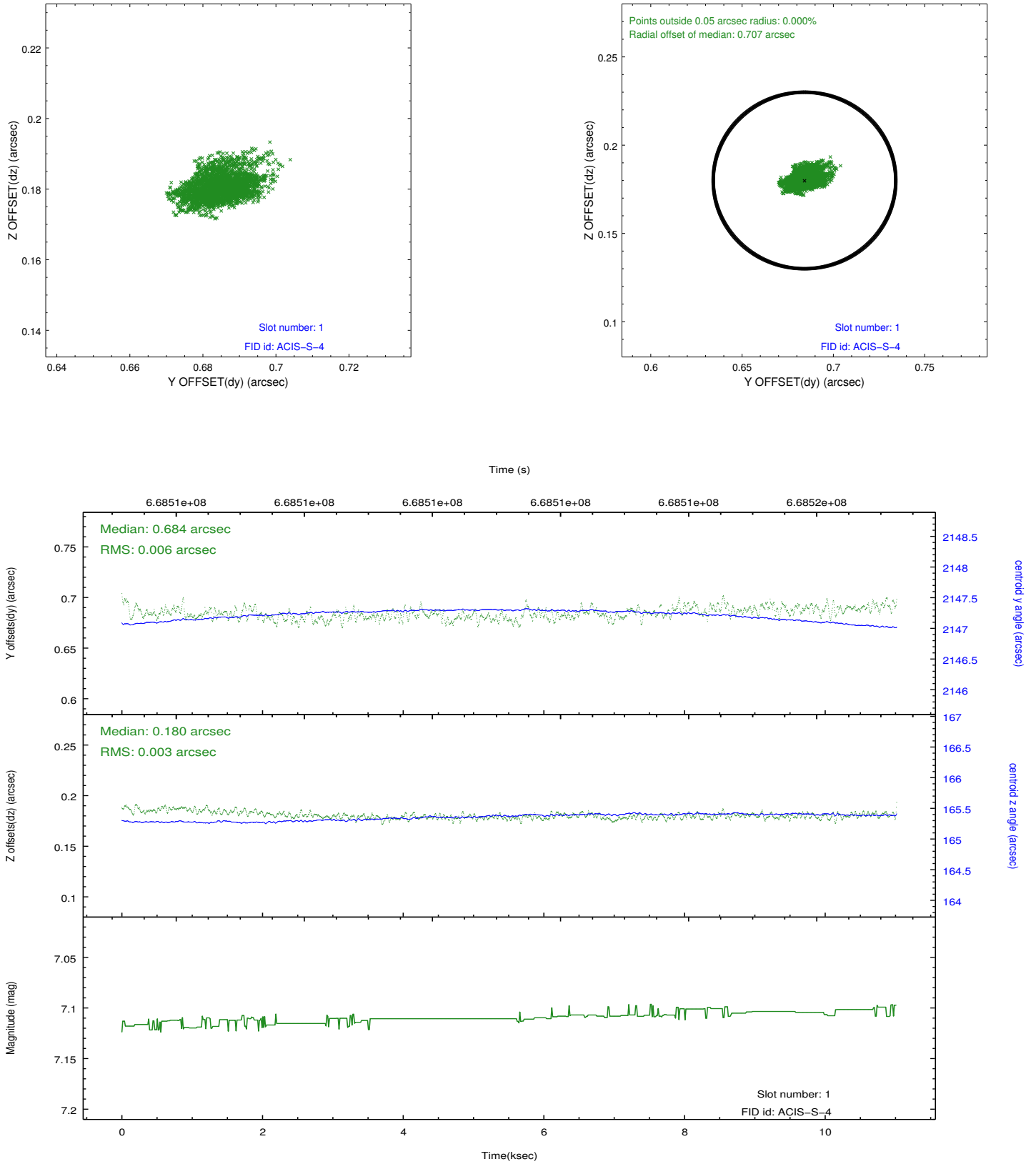


2.5 FID Slots

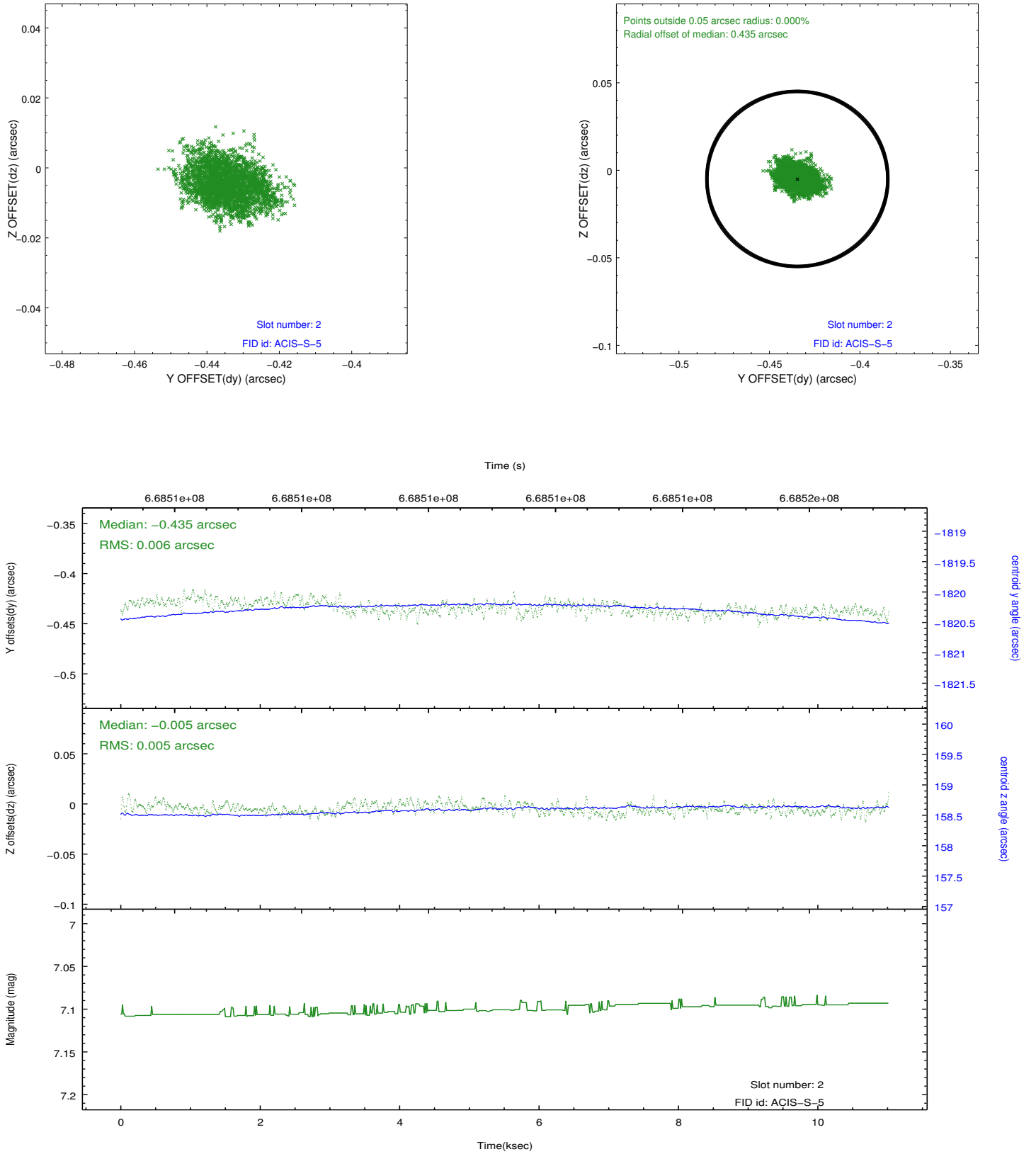
2.5.1 Slot 0



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)	2019.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.803500083208

A.2 Comments