

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 919 - L2 Version 3
Chandra X-Ray Center

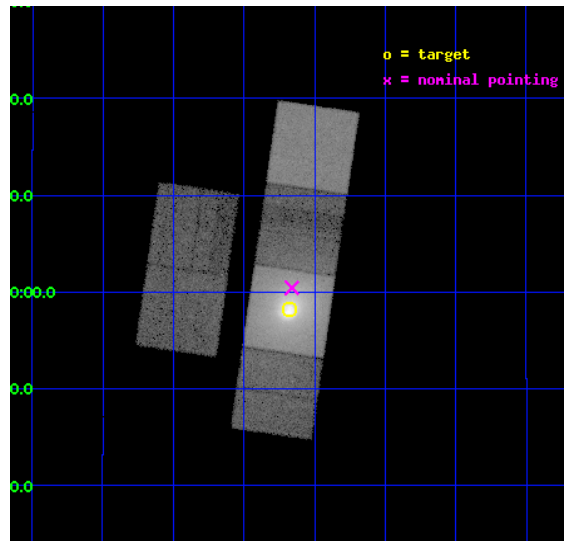
L2 Processing Date : Sep 1 2012

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1 Front

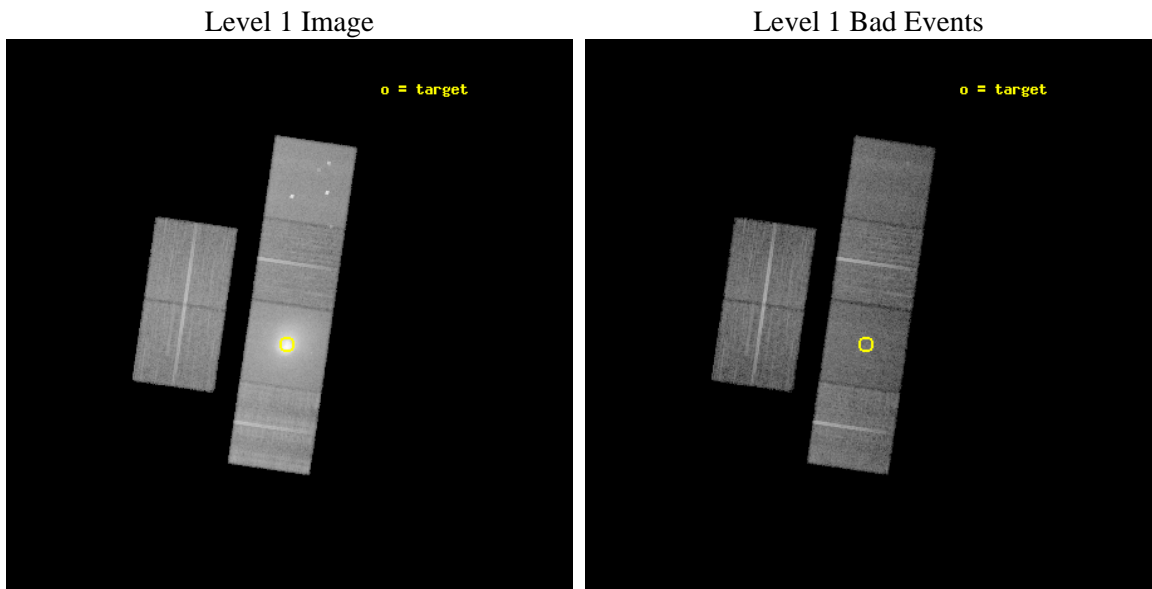
seq_num	800095	Sequence number
obs_id	919	Observation id
title	MEASUREMENTS OF THE ABSORPTION COLUMN DENSITY DISTRIBUTION AT THE CENTER OF CLUSTERS OF GALAXIES	Proposal title
observer	DR YASUSHI FUKAZAWA	Principal investigator
object	2A 0335+096	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.66875	Observer's specified target RA [deg]
dec_targ	9.969889	Observer's specified target Dec [deg]
ra_nom	54.665130812621	Nominal RA [deg]
dec_nom	10.007323340844	Nominal Dec [deg]
roll_nom	98.319588189474	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19977.600018591	Sum of GTIs [s]
livetime	19724.631618089	Livetime [s]
ontime2	19977.600018591	Sum of GTIs [s]
ontime3	19977.600018591	Sum of GTIs [s]
ontime5	19977.600018591	Sum of GTIs [s]
ontime6	19977.600018591	Sum of GTIs [s]
ontime7	19977.600018591	Sum of GTIs [s]
ontime8	19977.600018591	Sum of GTIs [s]
l2events	468289	Number of level 2 events



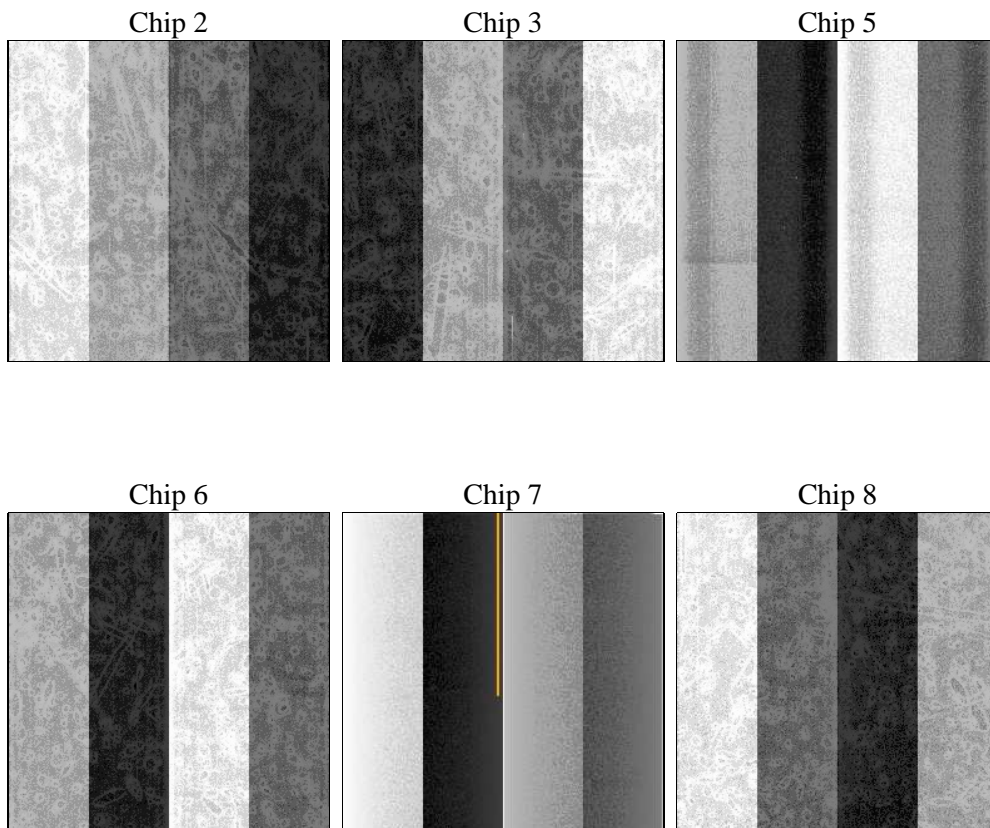
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19977.600018591	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	19977.600018591	Sum of GTIs [s]
date	2012-09-01T15:05:57	Date and time of file creation	ontime3	19977.600018591	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	19977.600018591	Sum of GTIs [s]
			ontime6	19977.600018591	Sum of GTIs [s]
			ontime7	19977.600018591	Sum of GTIs [s]
			ontime8	19977.600018591	Sum of GTIs [s]
			l1events	1180957	Number of level 1 events

2.1.4 Events

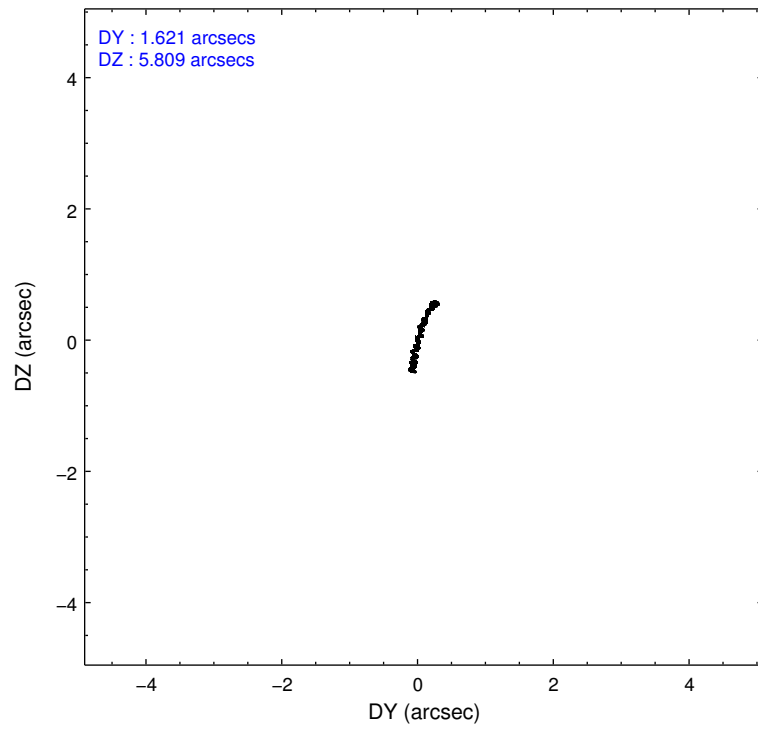
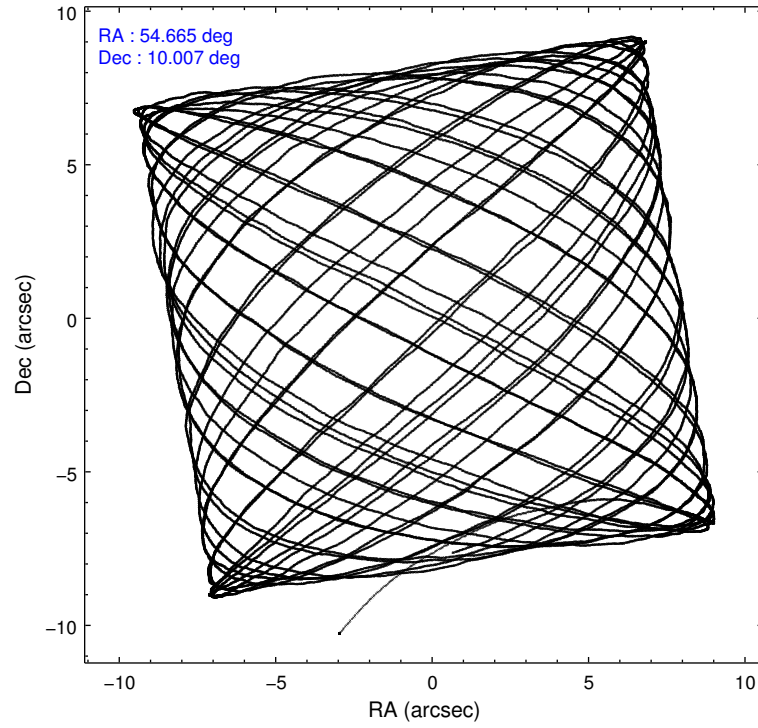
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	137820	128298	177270	140091	400497	196981	grade 0 events	8630	9700	14821	14059	78156	29871
rejected events	117927	106741	90462	112981	88610	125272		6%	7%	8%	10%	19%	15%
rejected %	85%	83%	51%	80%	22%	63%	grade 1 events	61	56	251	90	274	221
								0%	0%	0%	0%	0%	0%
							grade 2 events	4730	5222	23718	5604	78100	10988
								3%	4%	13%	4%	19%	5%
							grade 3 events	1335	1429	4209	1656	34677	10284
								0%	1%	2%	1%	8%	5%
							grade 4 events	1560	1535	3832	1701	34723	9176
								1%	1%	2%	1%	8%	4%
							grade 5 events	4013	4317	12683	4792	15751	6261
								2%	3%	7%	3%	3%	3%
							grade 6 events	3646	3681	40238	4092	86341	11415
								2%	2%	22%	2%	21%	5%
							grade 7 events	113845	102358	77518	108097	72475	118765
								82%	79%	43%	77%	18%	60%

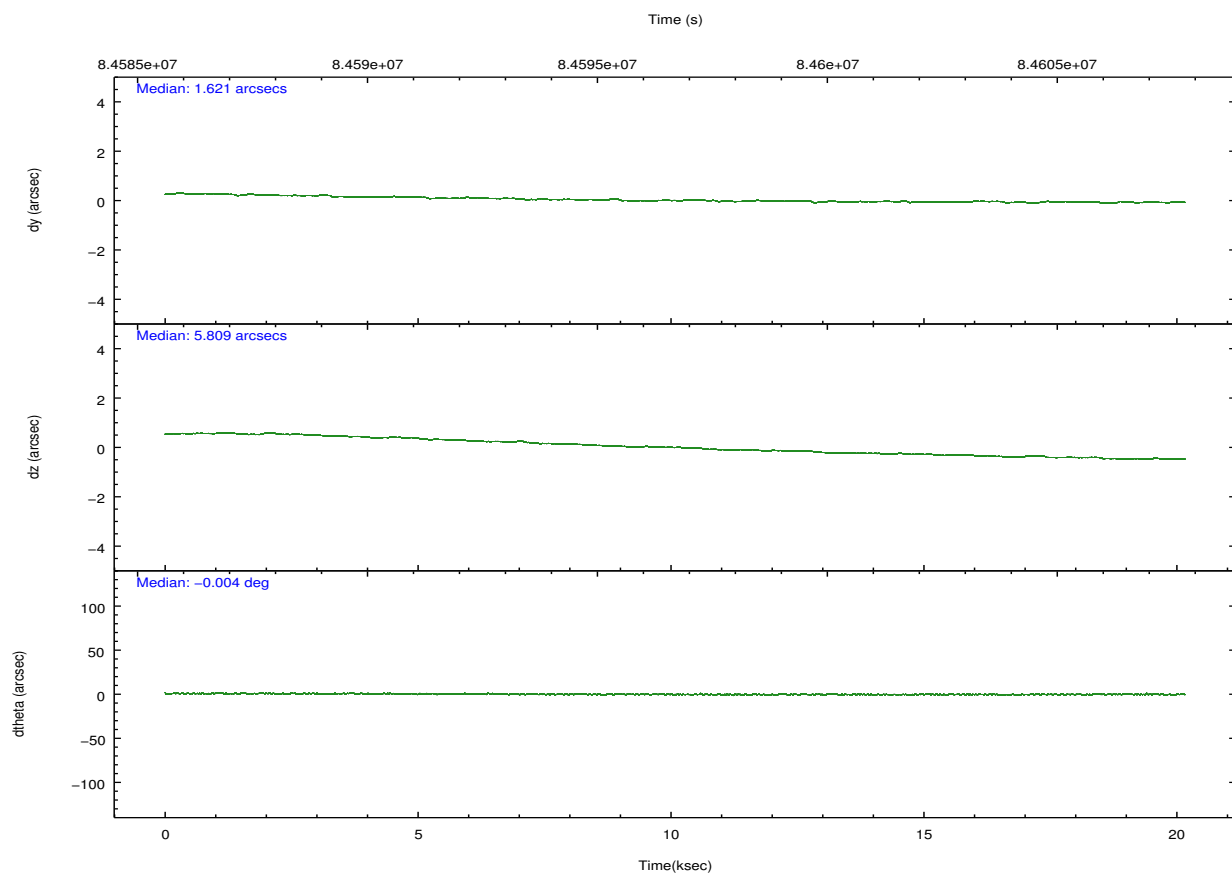
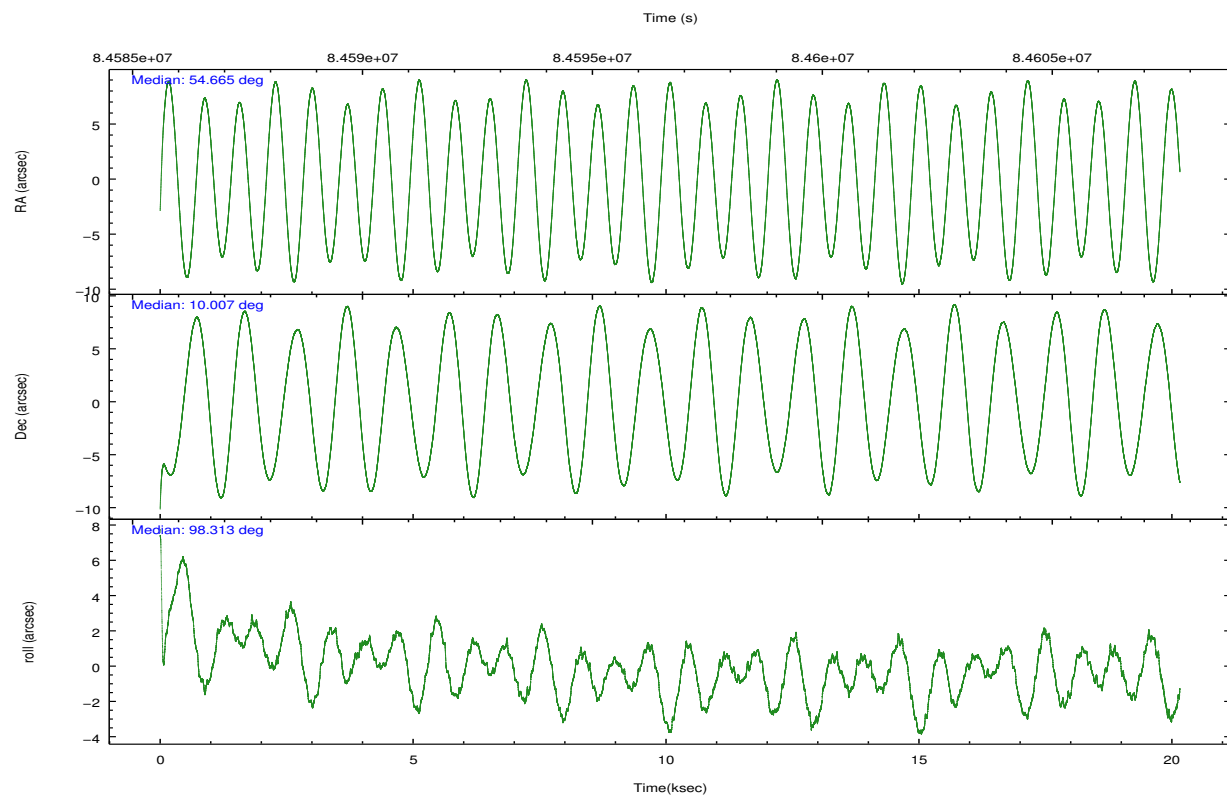
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	54.682482	54.66513081262054
[deg] Pointing Dec	9.985968	10.0073233408442
[deg] Pointing Roll	98.159944	98.31958818947382
[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)	84586767.184000	84585793.96782599
Observation start date	2000-09-06T00:18:23	2000-09-06T00:03:13
[s] Observation end time (MET)	84606767.184000	84607464.00613999
Observation end date	2000-09-06T05:51:43	2000-09-06T06:04:24
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
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	3.2

2.3 Aspect



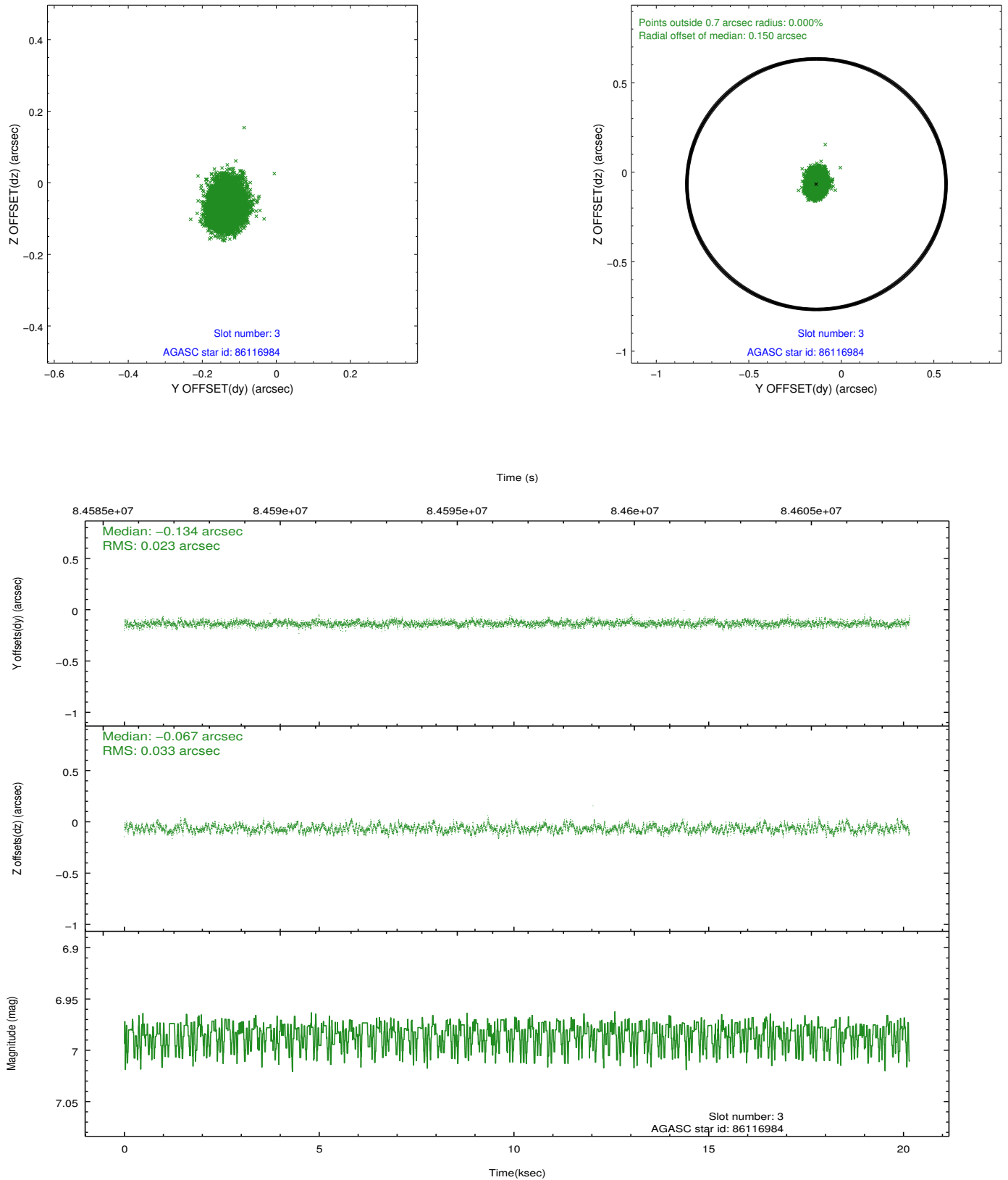


Slot Statistics

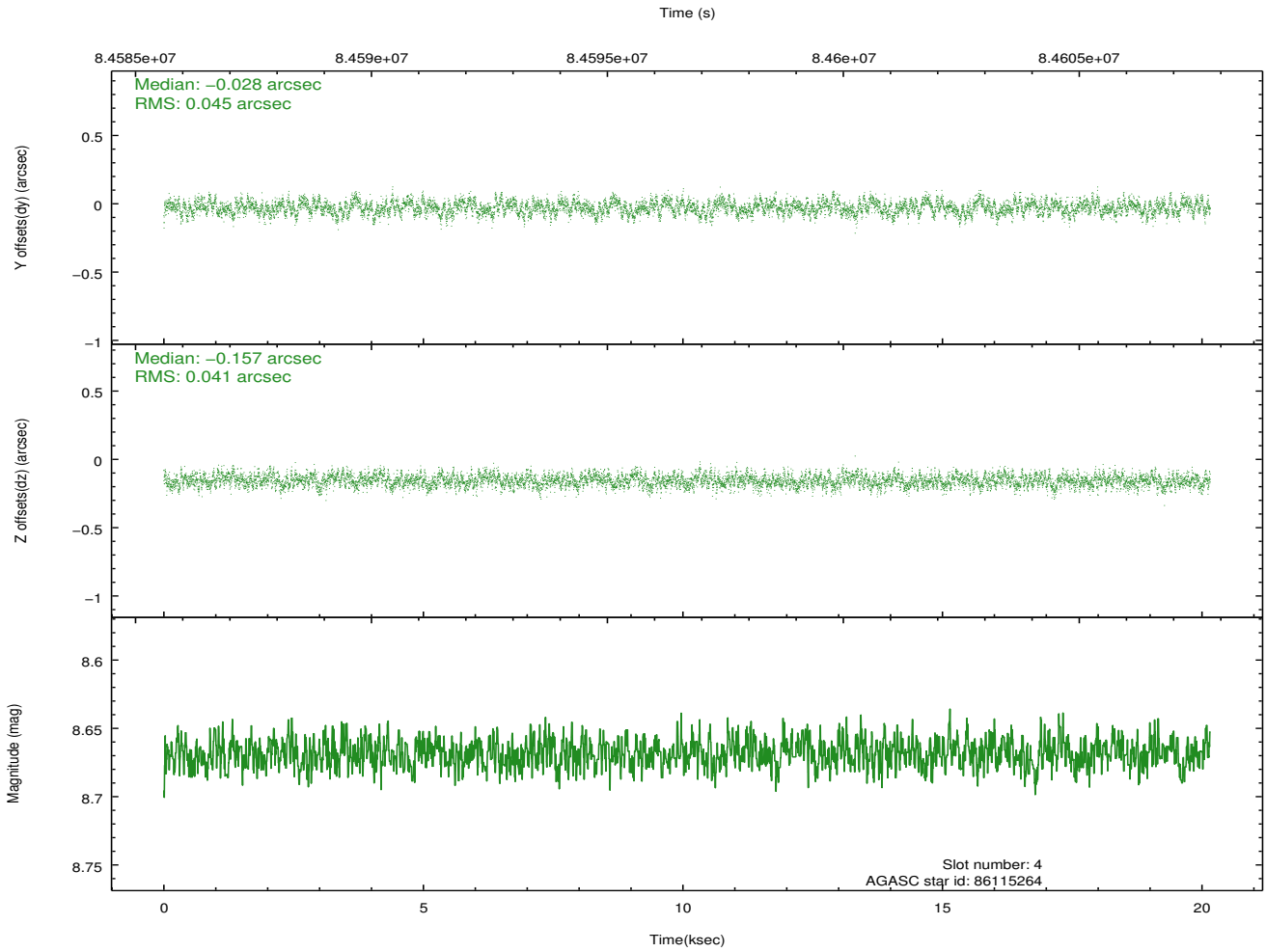
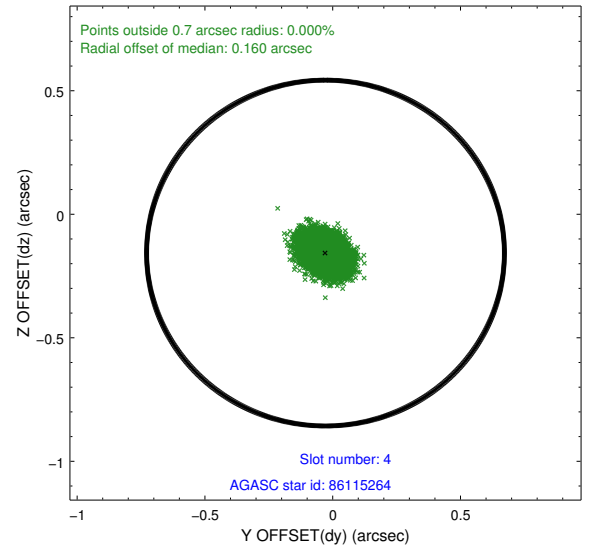
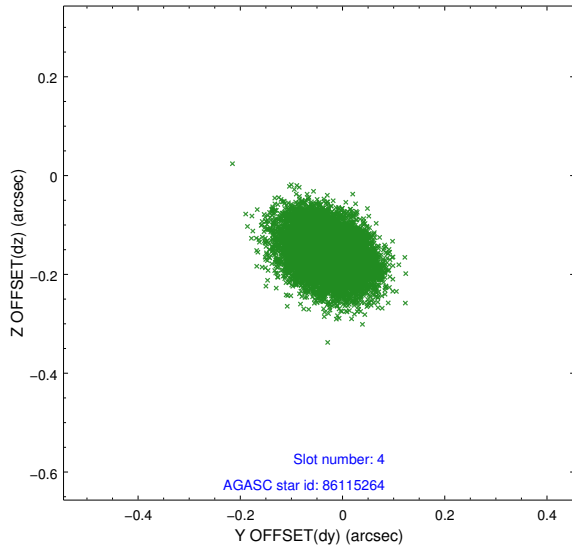
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4917	-0.039	0.005	0.007	0.012	0.000000	0.000000	-754.29	-1726.92
1	FID	ACIS-S-4	7.21	4916	-0.014	0.018	0.007	0.012	0.000000	0.000000	2158.91	181.41
2	FID	ACIS-S-5	7.24	4916	0.022	-0.014	0.007	0.011	0.000000	0.000000	-1806.85	175.23
3	GUIDE	86116984	6.98	9834	-0.134	-0.067	0.042	0.068	54.479042	9.932832	-86.06	742.09
4	GUIDE	86115264	8.67	9834	-0.028	-0.157	0.065	0.104	54.191764	9.800176	-413.06	1818.77
5	GUIDE	86117080	9.14	9833	0.144	0.190	0.073	0.118	54.768566	9.652832	-1229.47	-131.01
6	GUIDE	86114544	9.13	9832	0.120	0.155	0.070	0.113	55.029475	9.679738	-1264.44	-1061.61
7	GUIDE	86514736	9.34	9829	-0.105	-0.123	0.103	0.159	54.128487	10.185441	991.58	1841.78

2.4 Star Slots

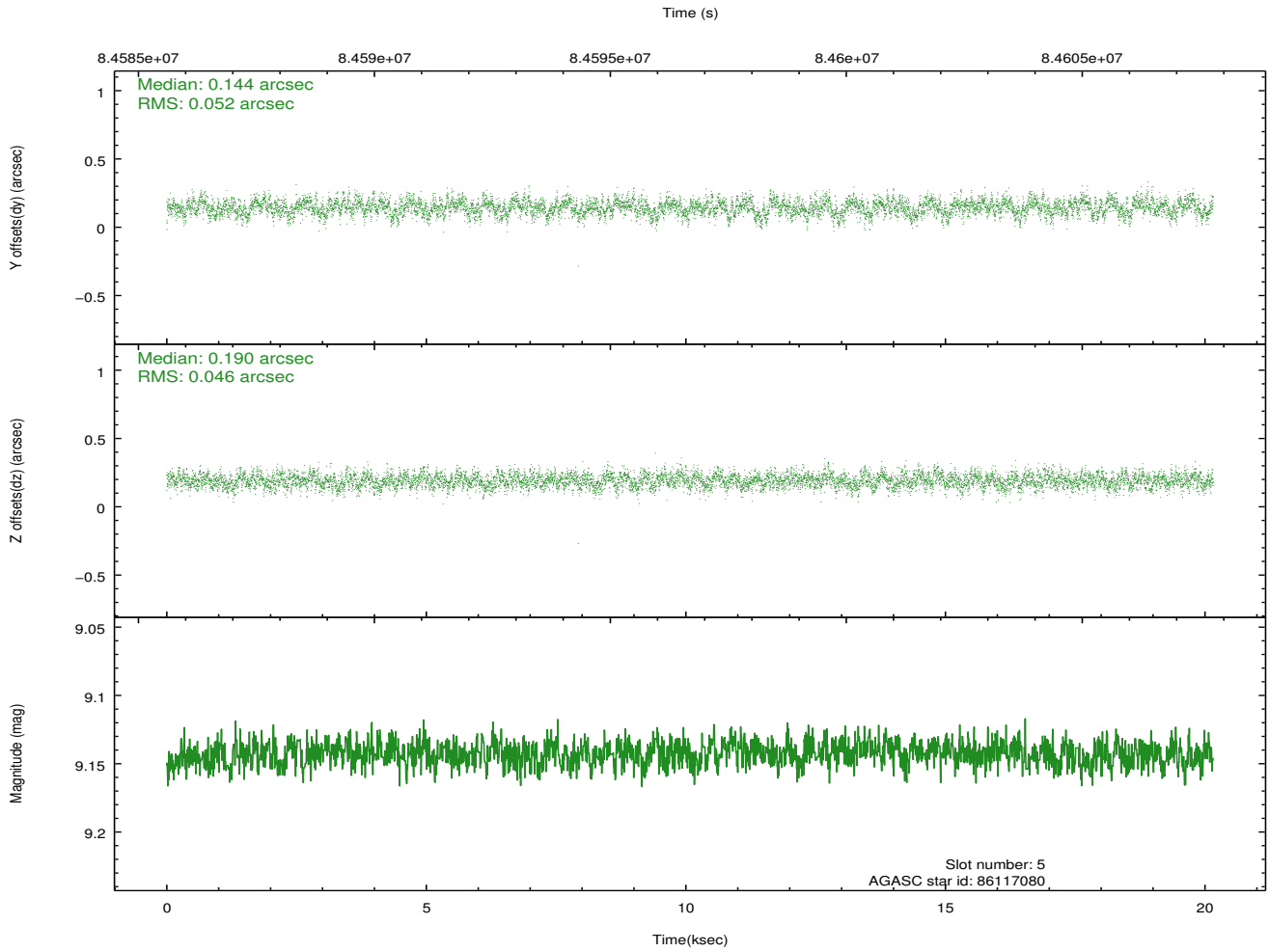
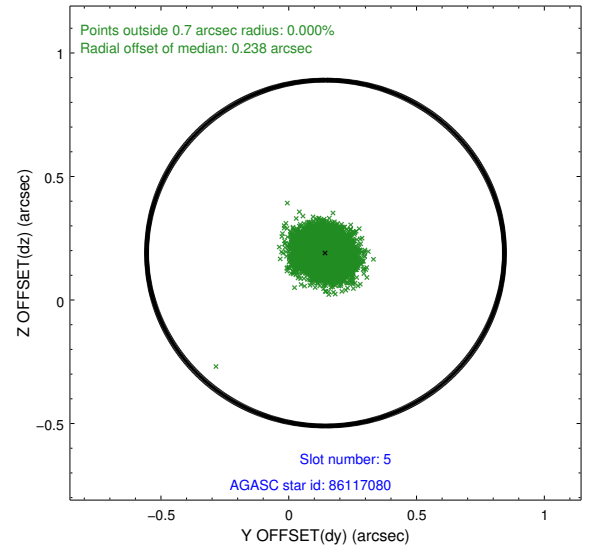
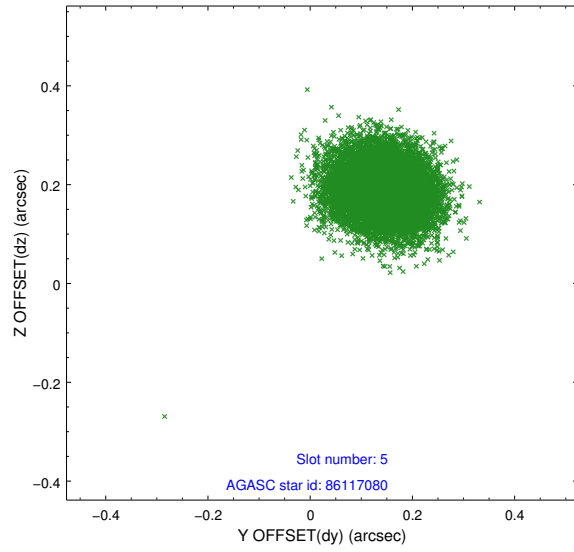
2.4.1 Slot 3



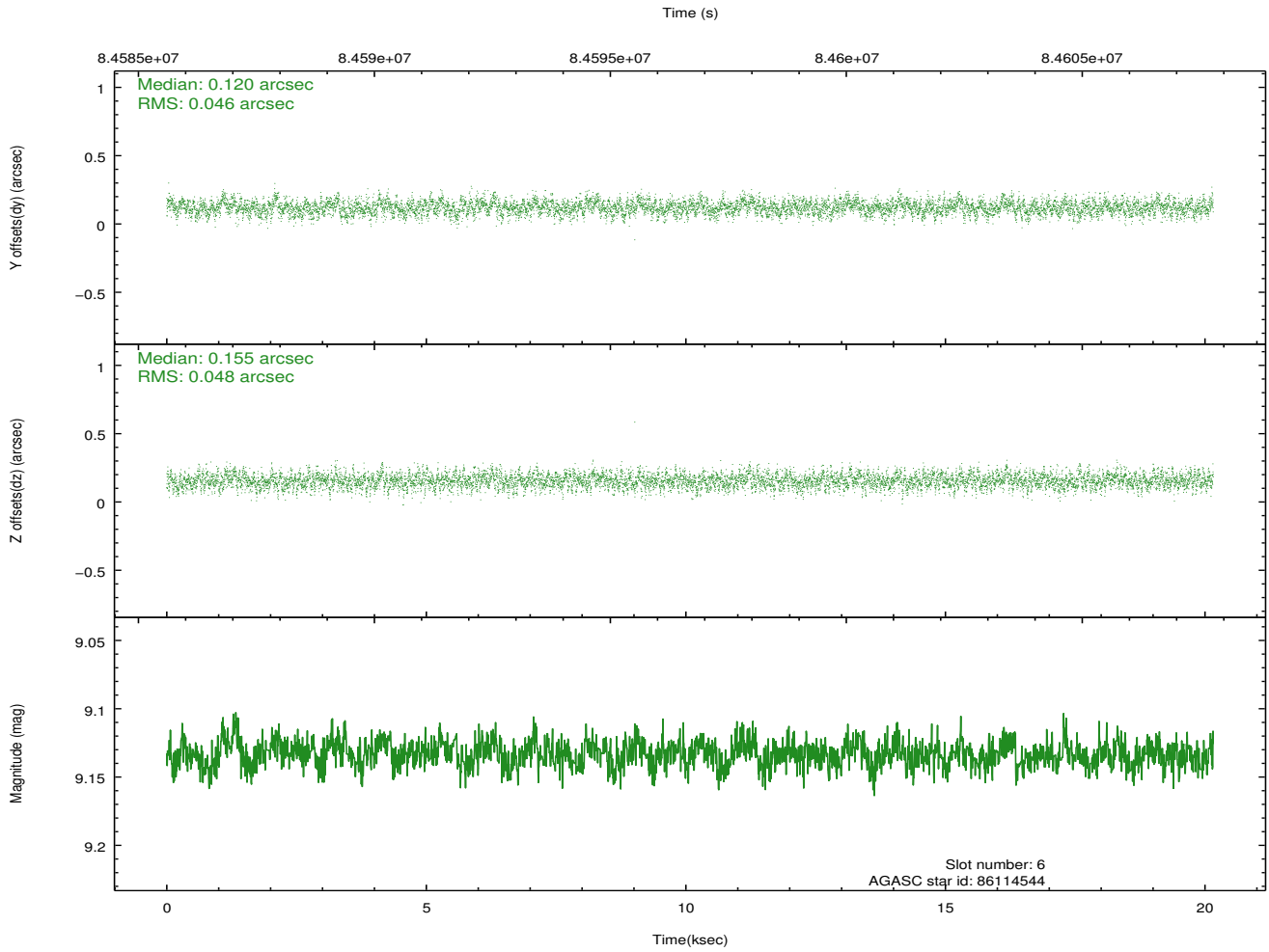
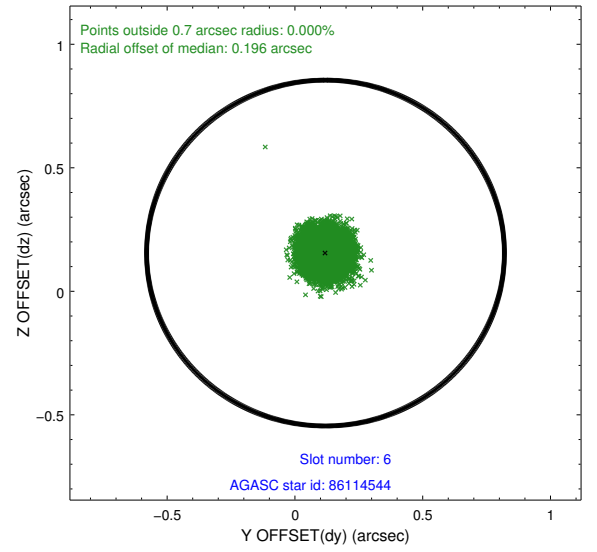
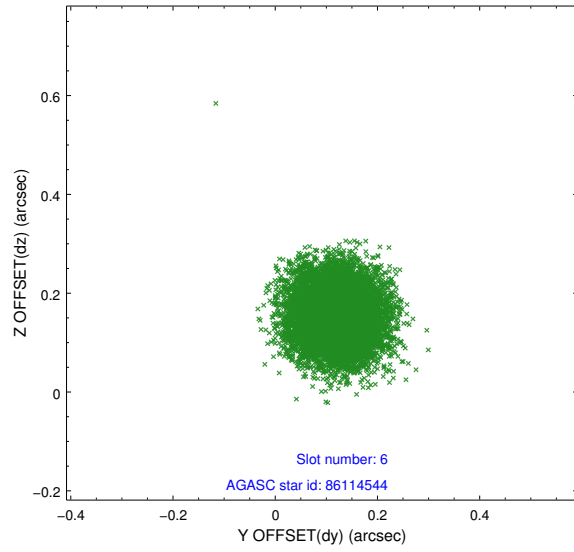
2.4.2 Slot 4



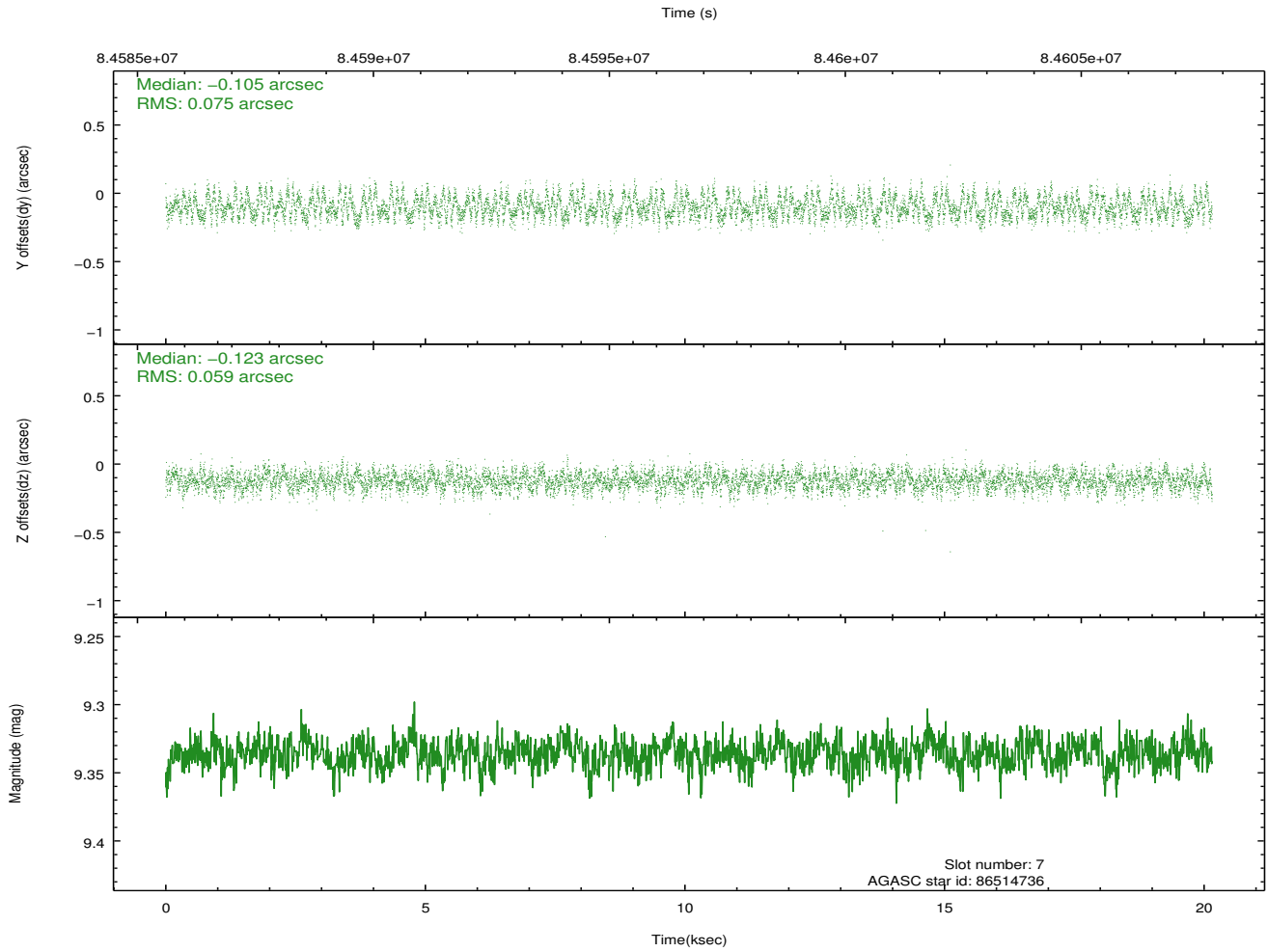
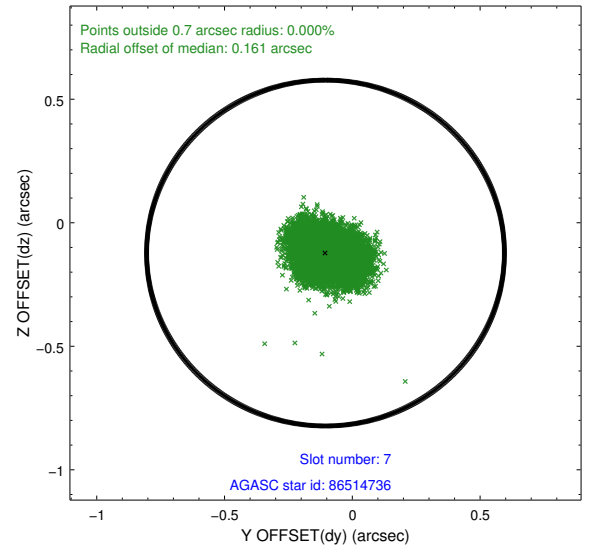
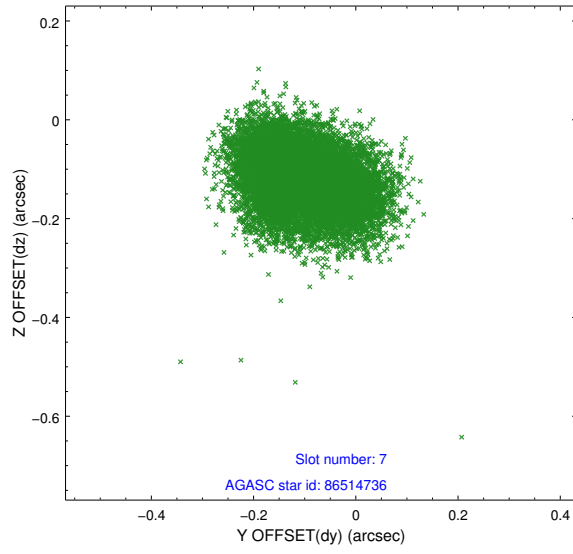
2.4.3 Slot 5



2.4.4 Slot 6

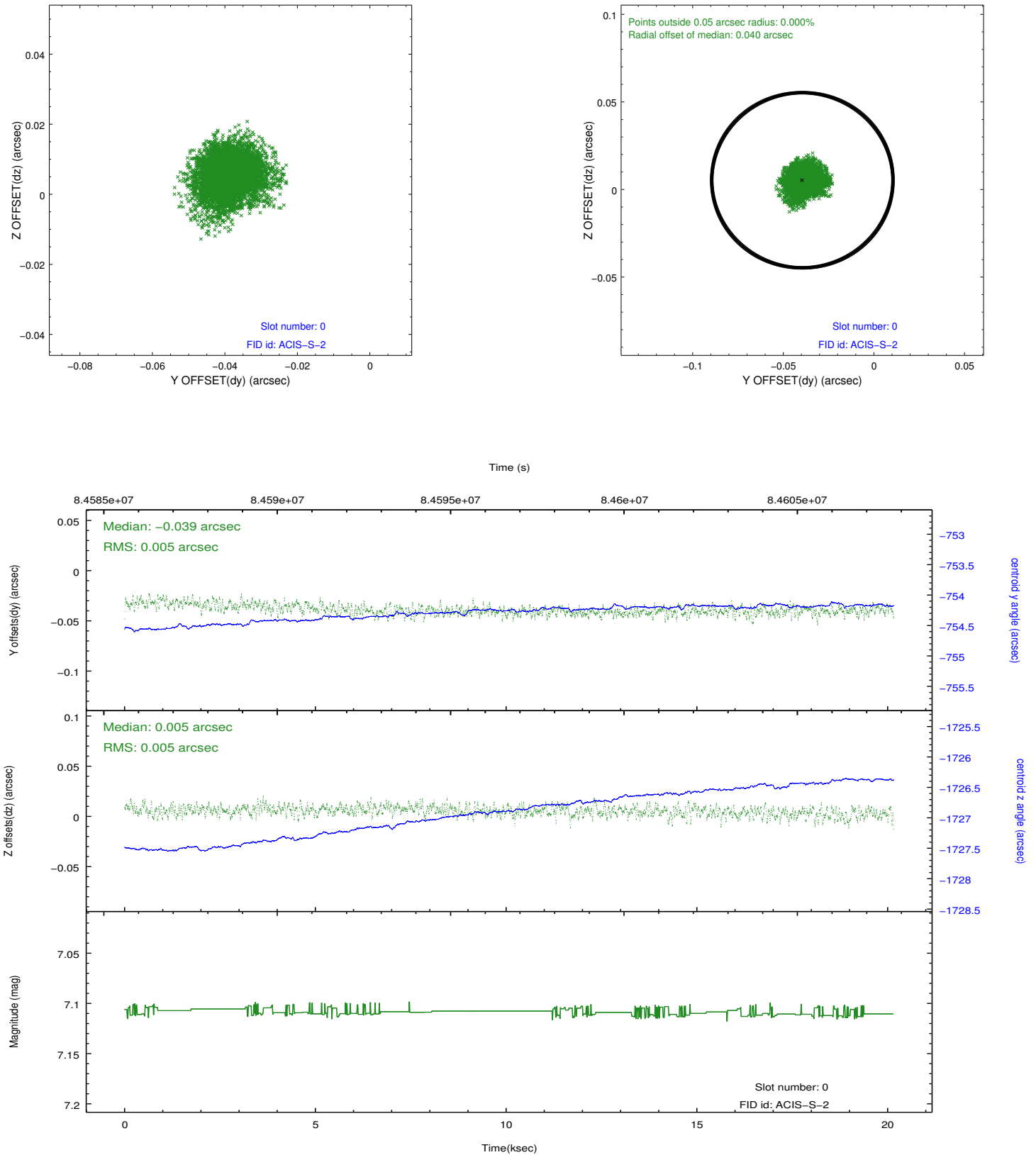


2.4.5 Slot 7

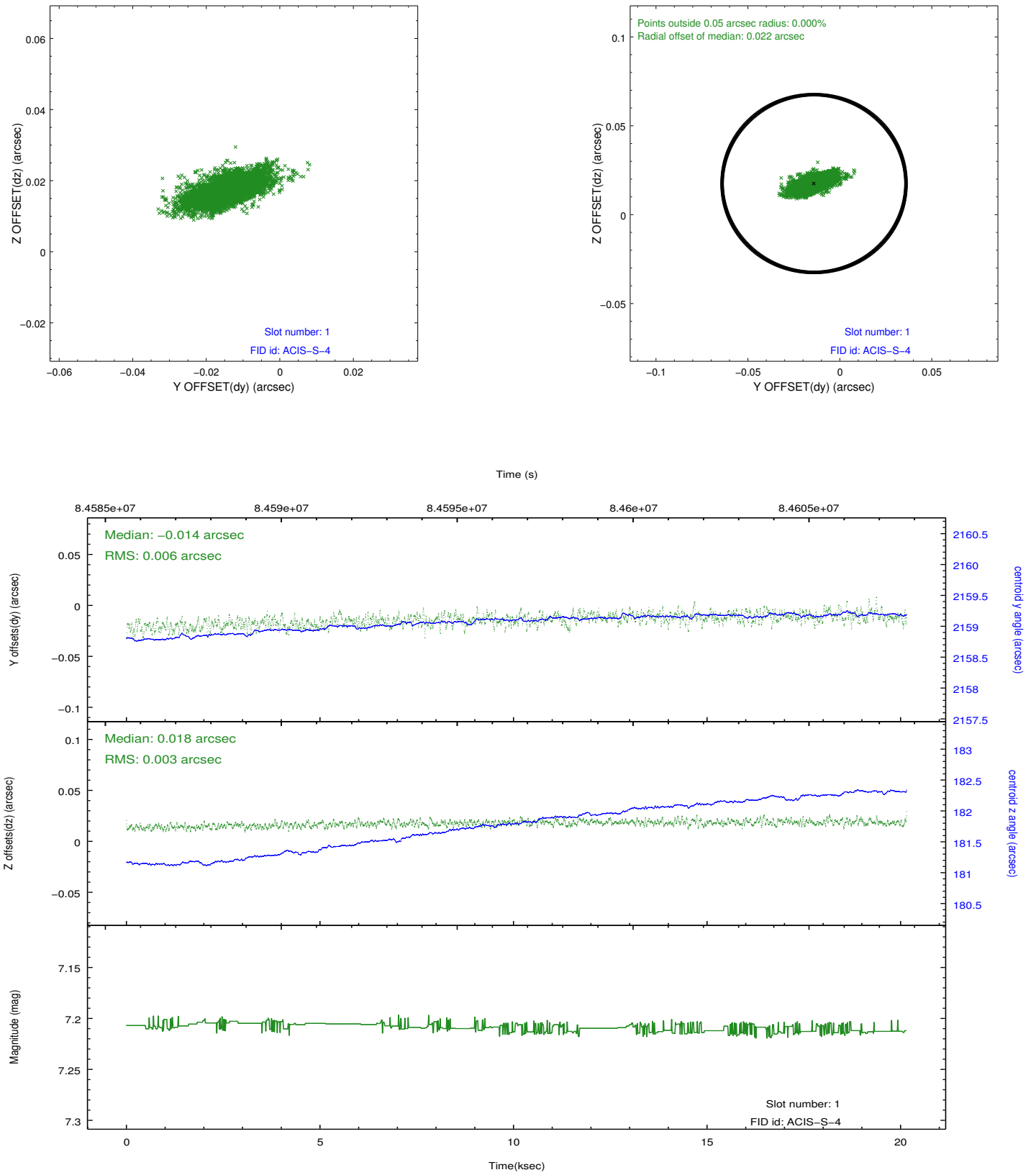


2.5 FID Slots

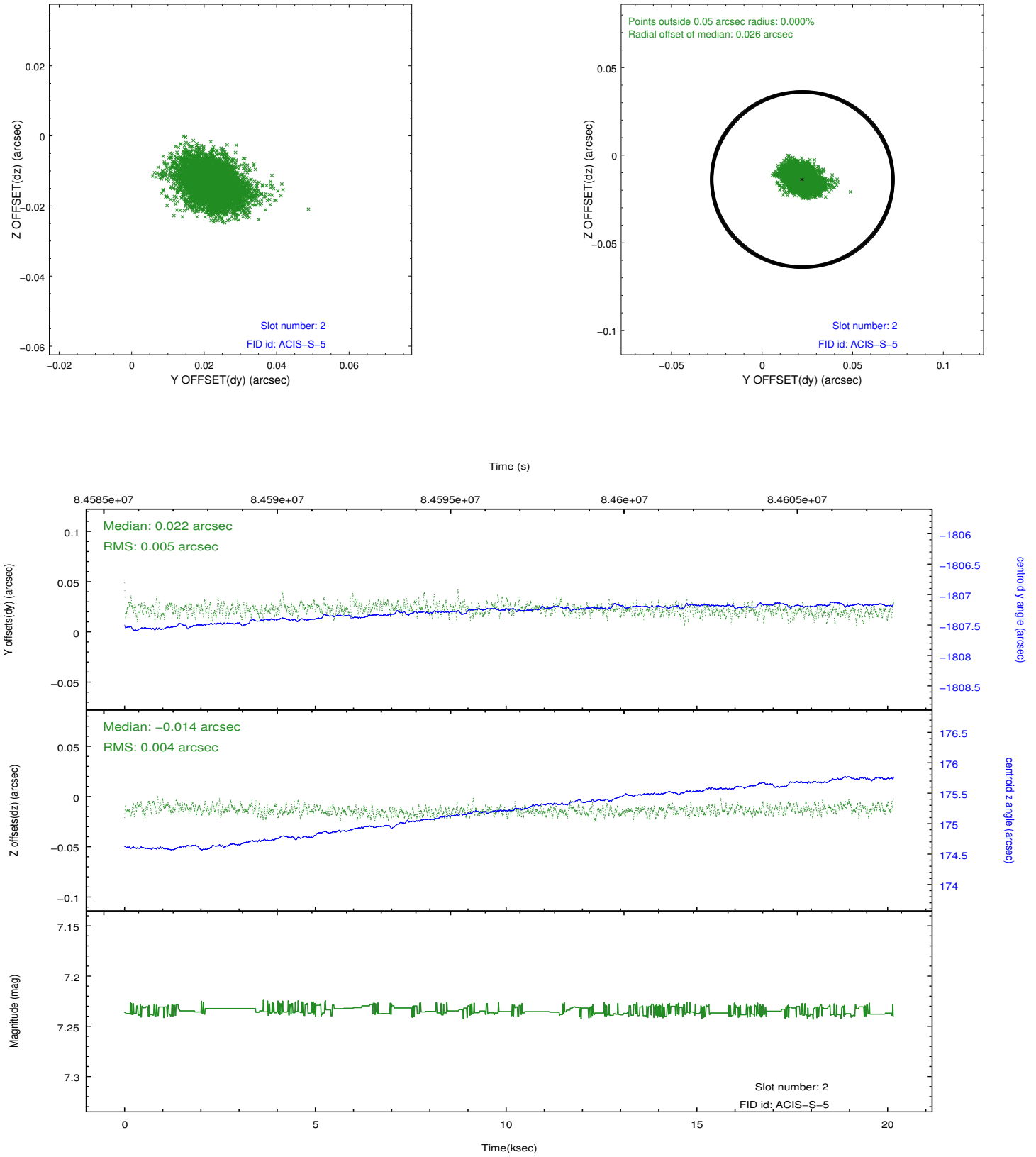
2.5.1 Slot 0



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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.98

A.2 Comments