

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10794 - L2 Version 2
Chandra X-Ray Center

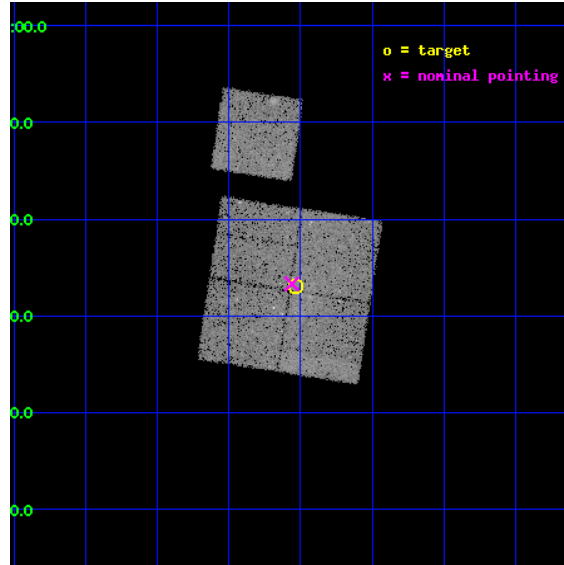
L2 Processing Date : May 23 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

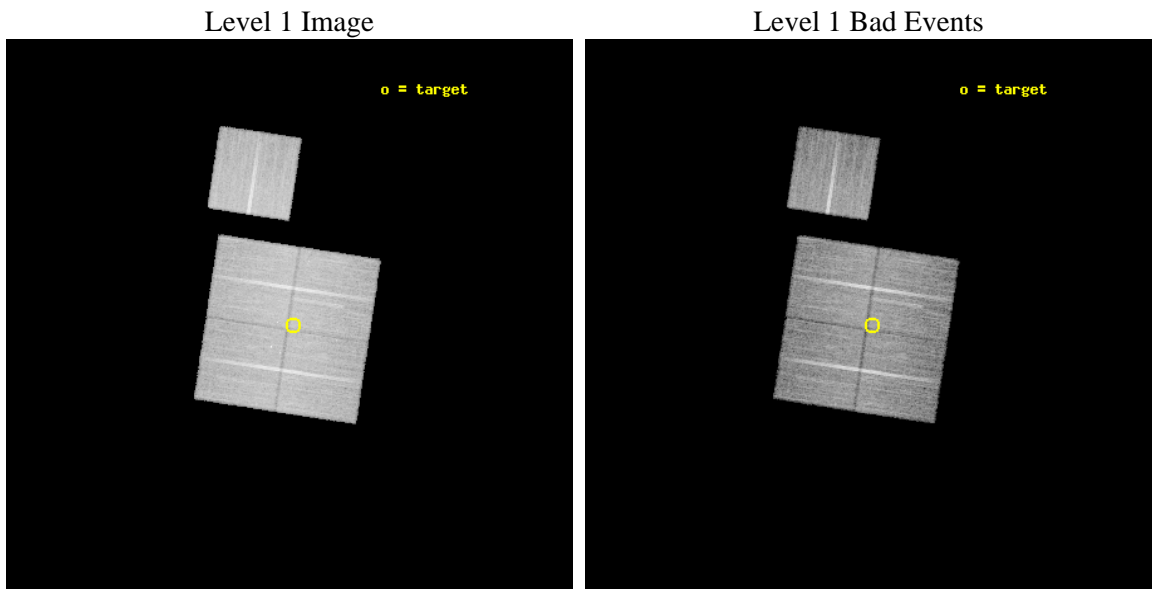
seq_num	800845	Sequence number
obs_id	10794	Observation id
title	Merging Clusters in DEEP2 Field 4	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	PDCS-016	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.132917	Observer's specified target RA [deg]
dec_targ	0.551556	Observer's specified target Dec [deg]
ra_nom	37.140176918223	Nominal RA [deg]
dec_nom	0.55511521180333	Nominal Dec [deg]
roll_nom	8.7086244409504	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18953.400145769	Sum of GTIs [s]
livetime	18705.760019574	Livetime [s]
ontime0	18953.400145769	Sum of GTIs [s]
ontime1	18953.400145769	Sum of GTIs [s]
ontime2	18953.400145769	Sum of GTIs [s]
ontime3	18953.400145769	Sum of GTIs [s]
ontime6	18953.400145769	Sum of GTIs [s]
l2events	67446	Number of level 2 events



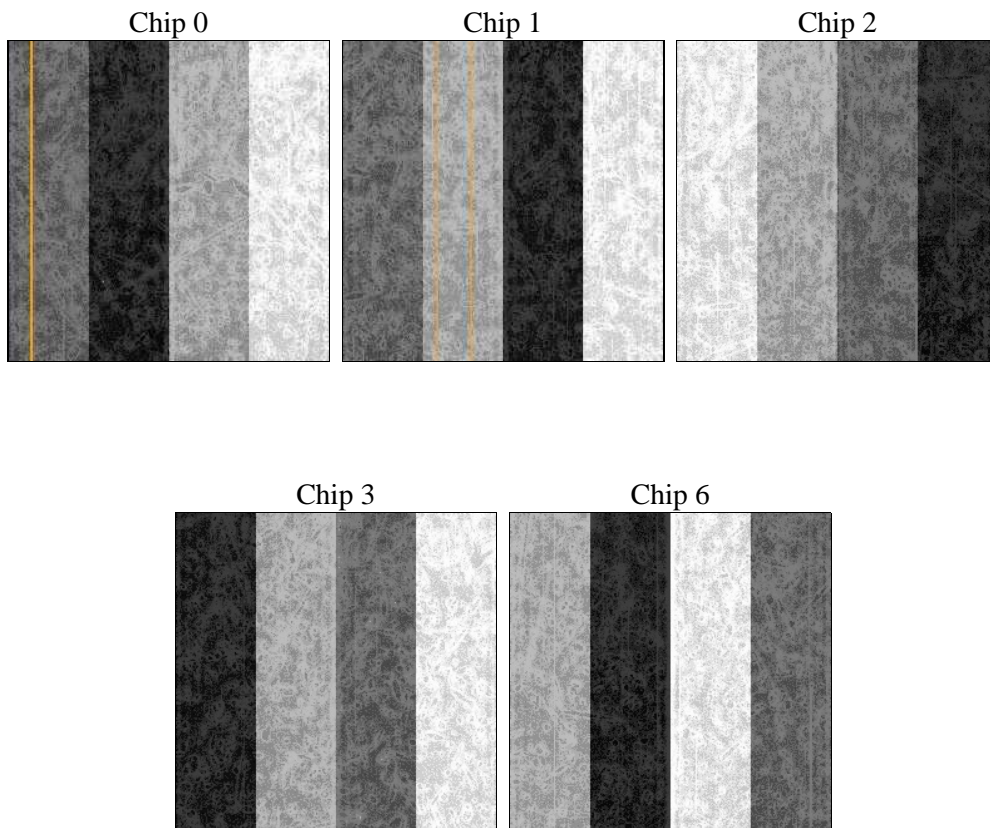
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18953.400145769	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	18953.400145769	Sum of GTIs [s]
date	2012-05-23T12:19:52	Date and time of file creation	ontime1	18953.400145769	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	18953.400145769	Sum of GTIs [s]
			ontime3	18953.400145769	Sum of GTIs [s]
			ontime6	18953.400145769	Sum of GTIs [s]
			l1events	790214	Number of level 1 events

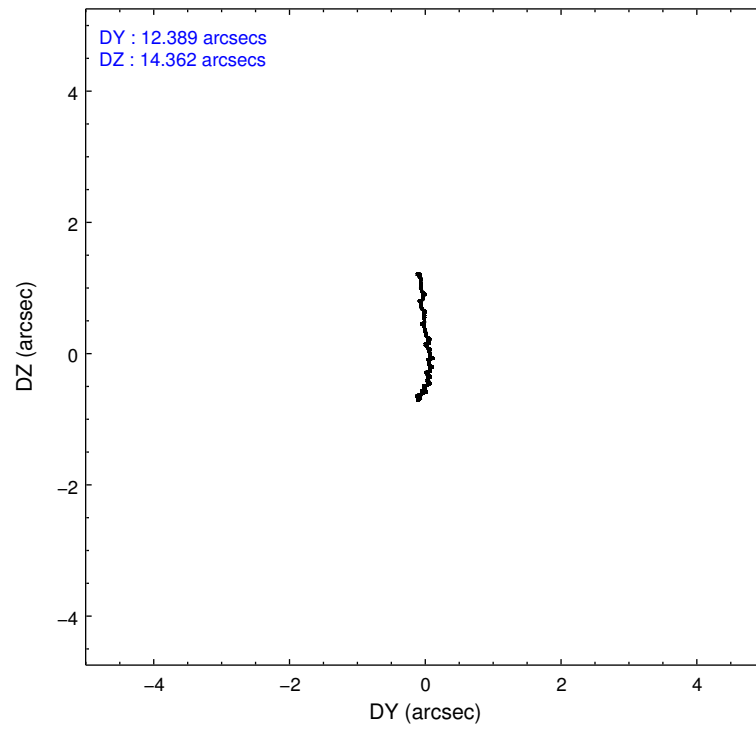
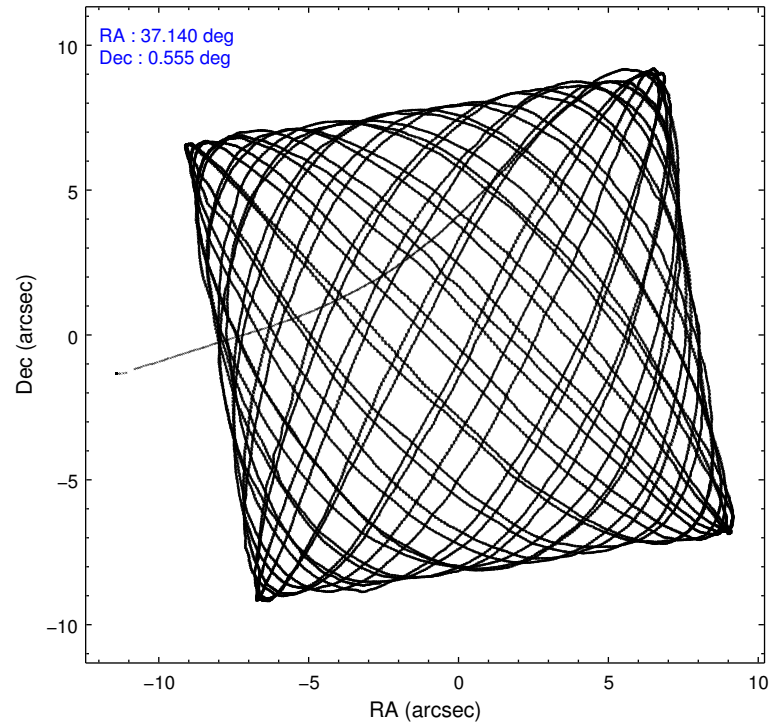
2.1.4 Events

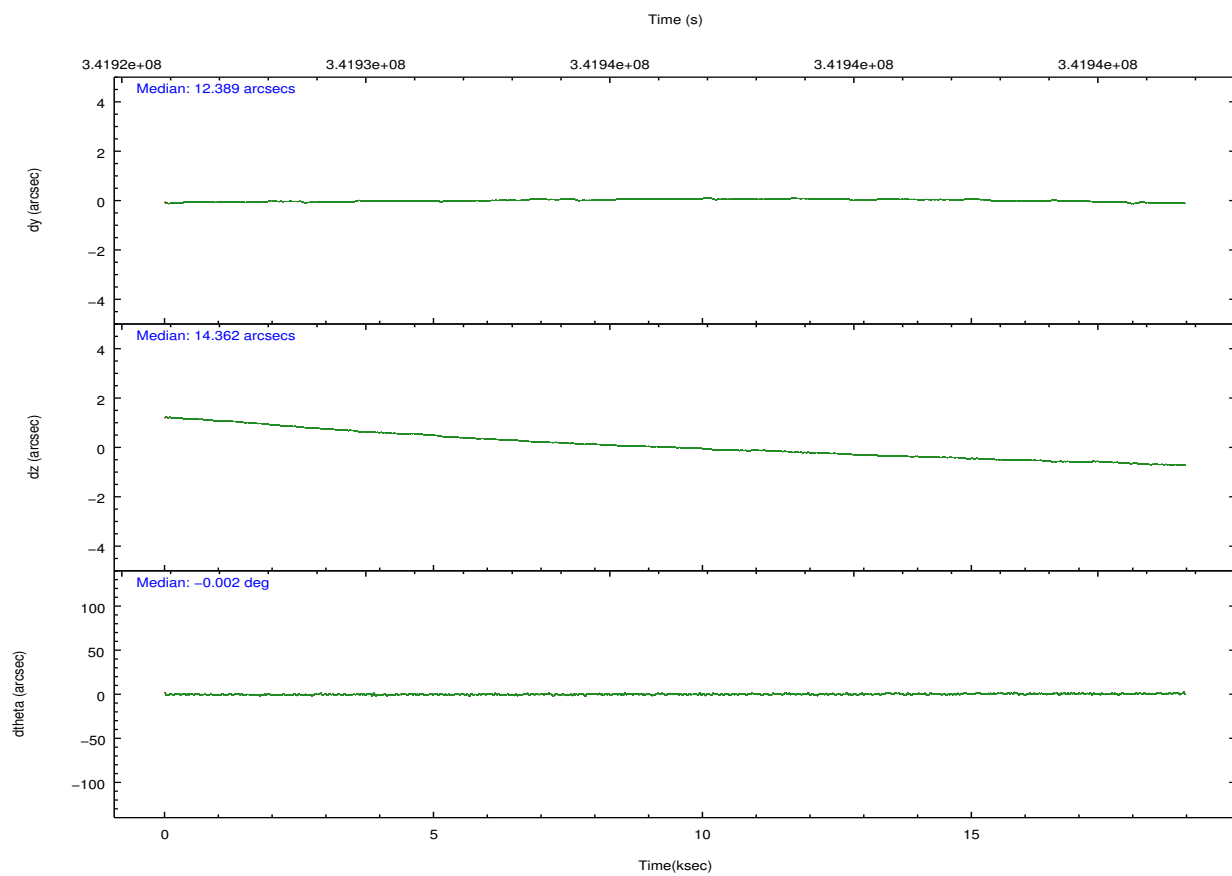
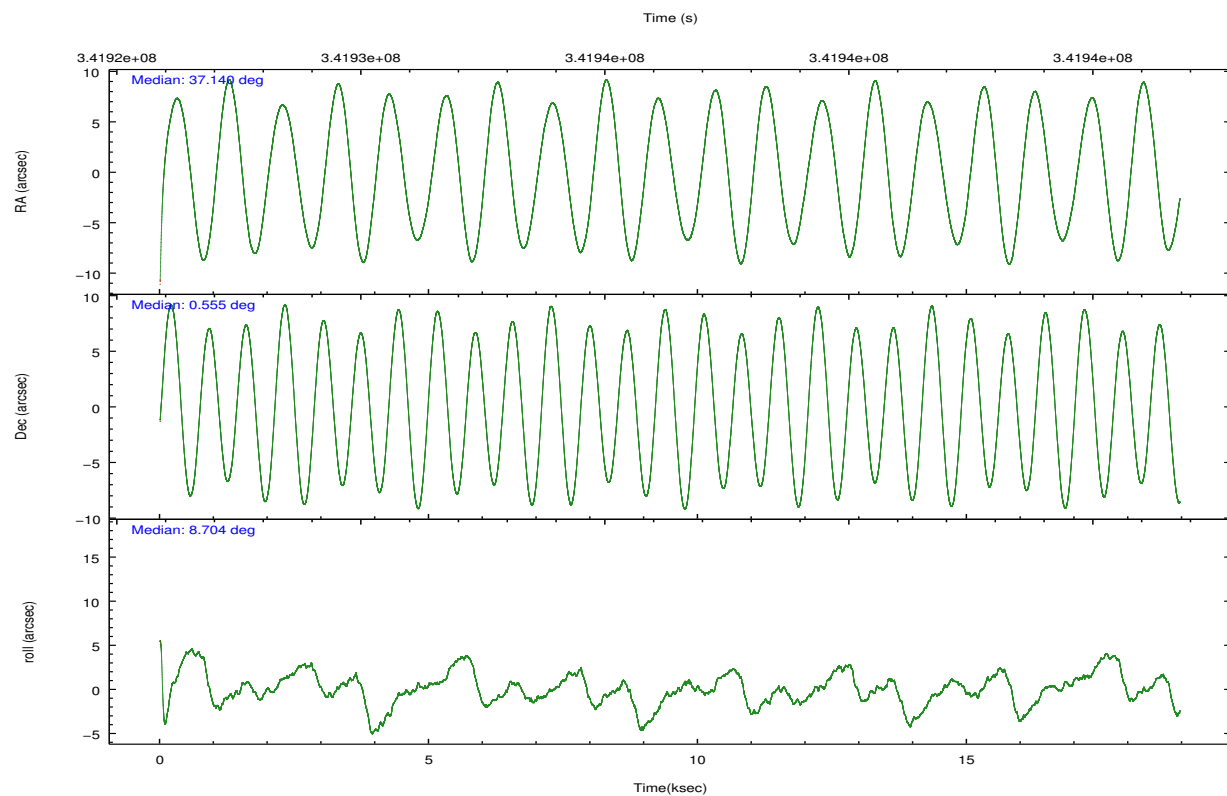
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	148468	150277	168576	158567	164326	grade 0 events	6046	6803	5626	5623	5922
rejected events	132252	132499	153148	143287	147995		4%	4%	3%	3%	3%
rejected %	89%	88%	90%	90%	90%	grade 1 events	110	77	76	110	76
							0%	0%	0%	0%	0%
						grade 2 events	4042	4176	3905	3494	3694
							2%	2%	2%	2%	2%
						grade 3 events	1760	1881	1687	1839	1860
							1%	1%	1%	1%	1%
						grade 4 events	1749	1914	1691	1738	1822
							1%	1%	1%	1%	1%
						grade 5 events	5660	6486	5508	6635	6572
							3%	4%	3%	4%	3%
						grade 6 events	3215	3662	3104	3109	3620
							2%	2%	1%	1%	2%
						grade 7 events	125886	125278	146979	136019	140760
							84%	83%	87%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	37.118787	37.14017691822273	CCD I2 on	Y	Y
[deg] Pointing Dec	0.537819	0.5551152118033342	CCD I3 on	Y	Y
[deg] Pointing Roll	8.500137	8.708624440950398	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	341927019.184000	341925698.37689	CCD S5 on	N	N
Observation start date	2008-11-01T11:42:34	2008-11-01T11:21:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341945819.184000	341946669.36543	On-chip summing requested	N	N
Observation end date	2008-11-01T16:55:54	2008-11-01T17:11:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



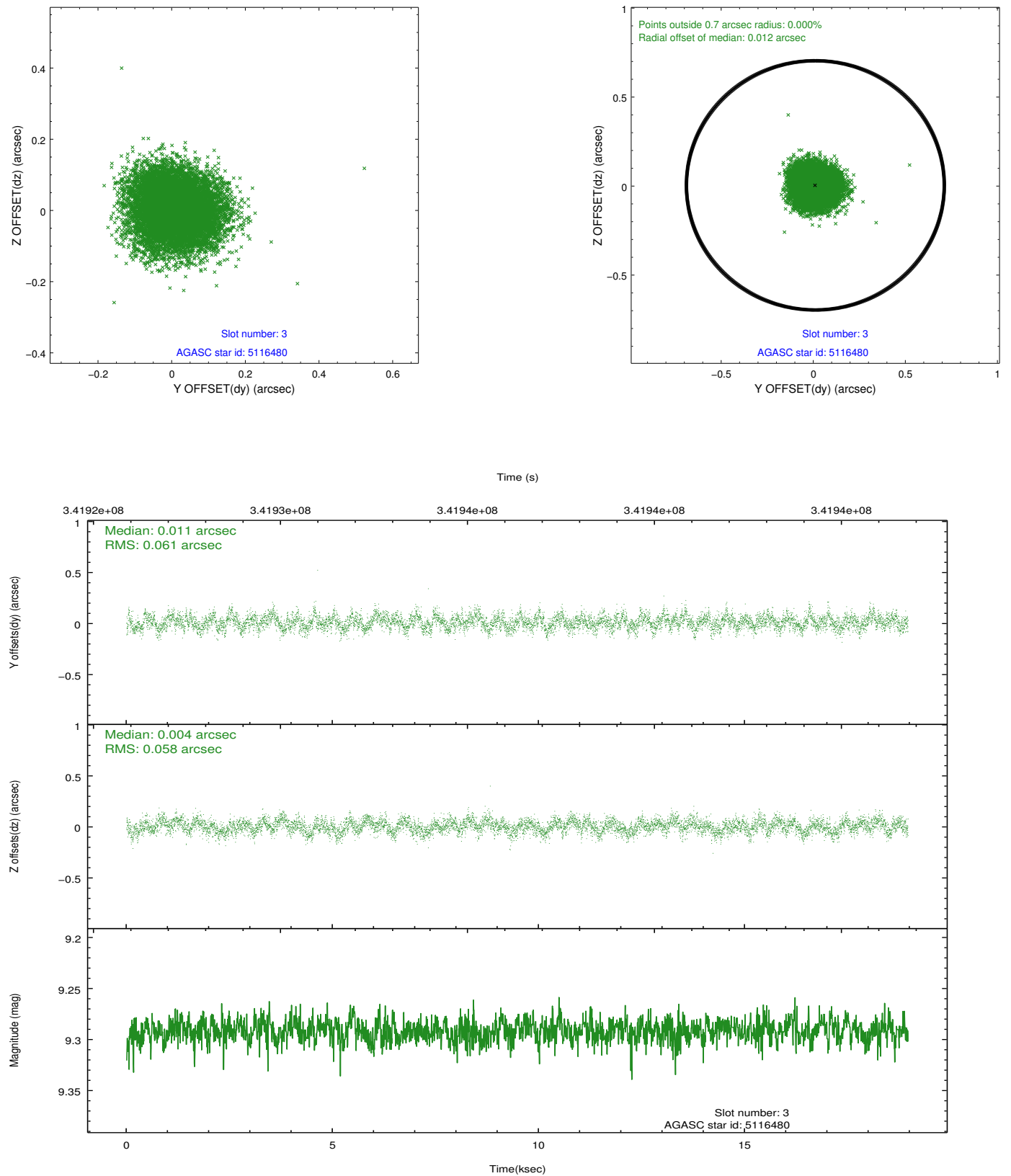


Slot Statistics

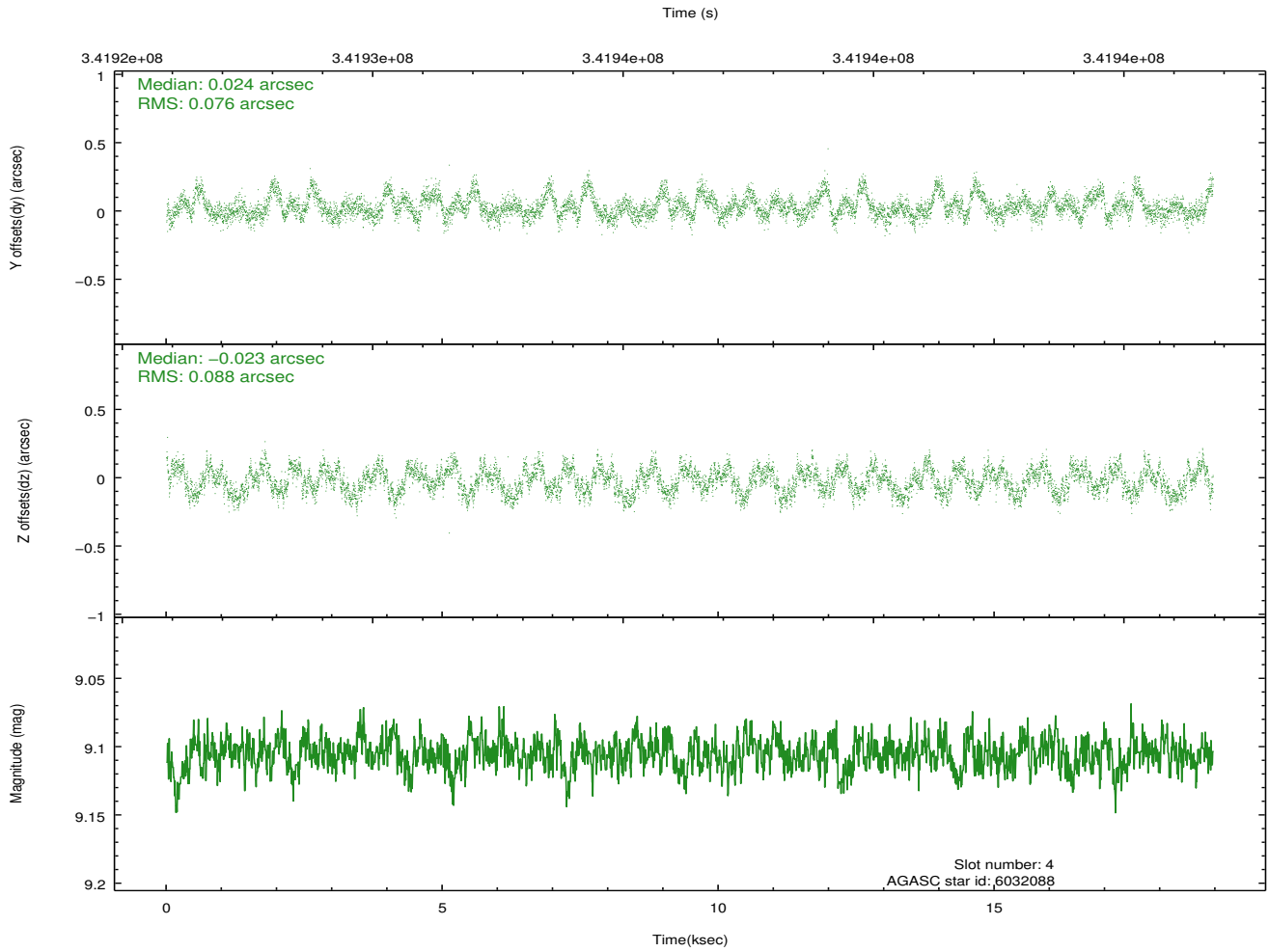
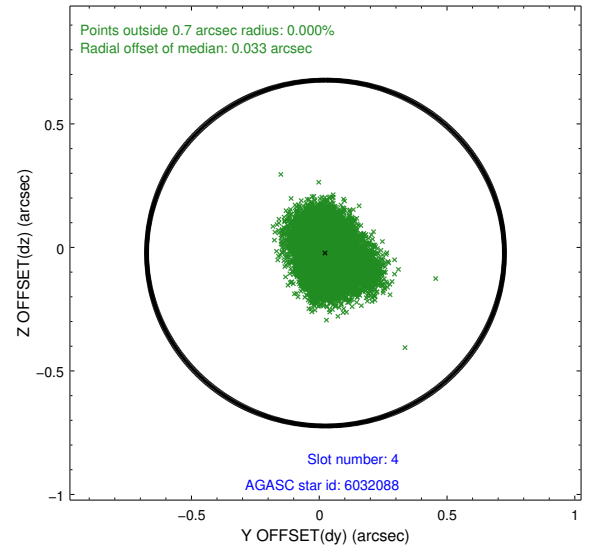
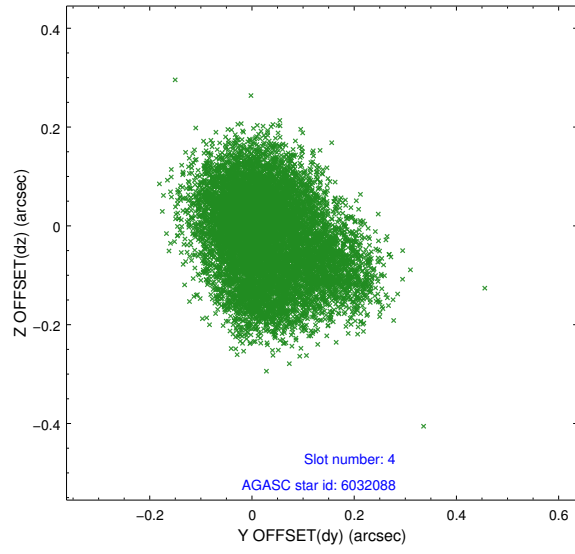
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.93	4625	-0.069	-0.082	0.010	0.017	0.000000	0.000000	-767.10	-844.48
1	FID	ACIS-I-4	6.94	4625	0.173	0.066	0.011	0.020	0.000000	0.000000	2147.10	1061.74
2	FID	ACIS-I-5	6.99	4625	-0.204	0.084	0.011	0.020	0.000000	0.000000	-1820.80	1059.84
3	GUIDE	5116480	9.29	9238	0.011	0.004	0.089	0.146	36.624607	0.603451	-1723.96	496.67
4	GUIDE	6032088	9.11	9244	0.024	-0.023	0.127	0.192	37.532714	0.102881	1242.64	-1768.61
5	GUIDE	6042384	6.42	9249	-0.001	0.028	0.073	0.117	37.688348	0.255749	1877.76	-1307.51
6	GUIDE	5115776	9.66	9227	0.000	0.041	0.124	0.204	36.405971	0.913022	-2337.74	1715.33
7	GUIDE	6034024	9.68	9211	-0.041	-0.041	0.142	0.226	37.505848	1.160303	1708.91	2011.02

2.4 Star Slots

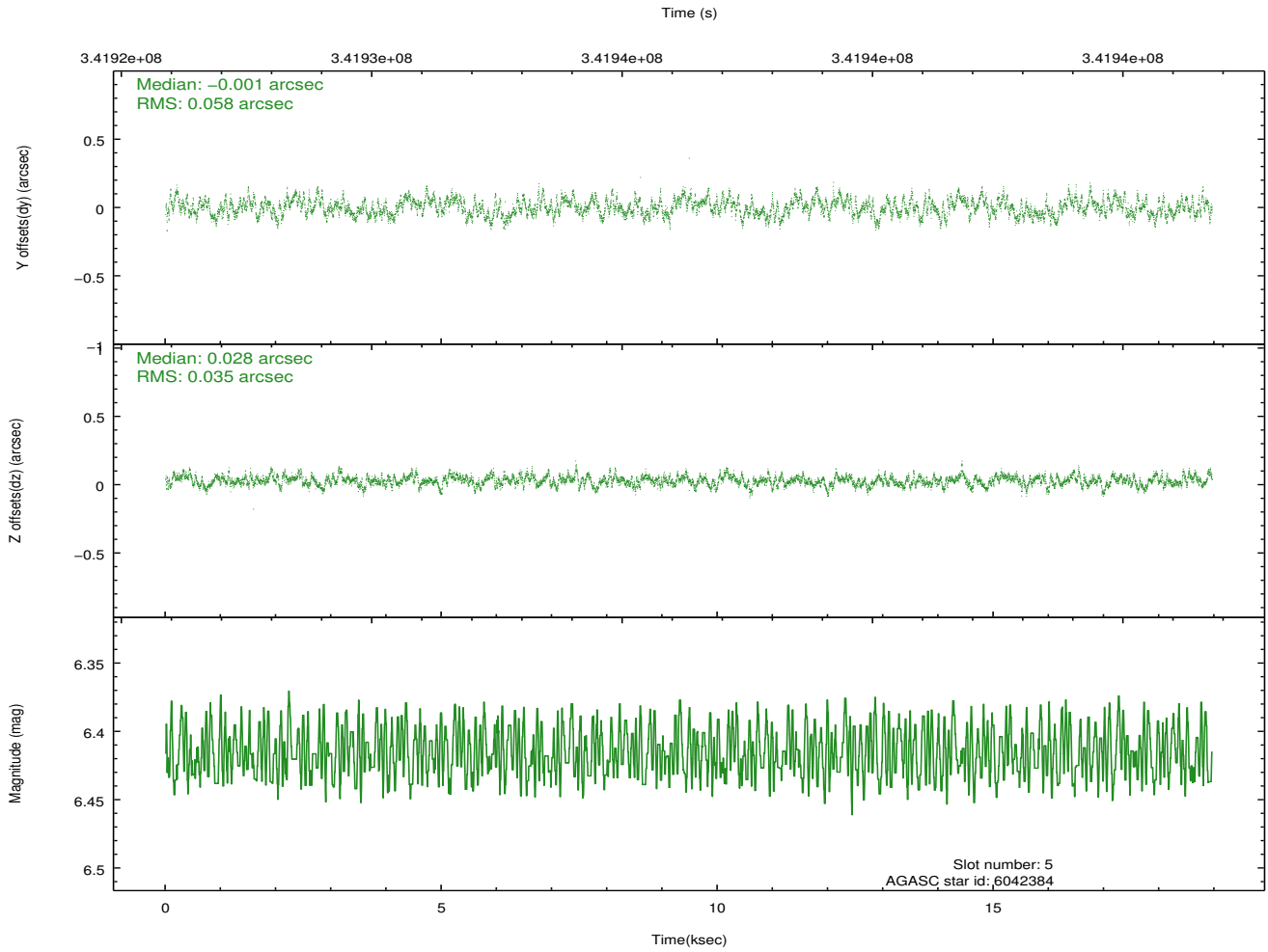
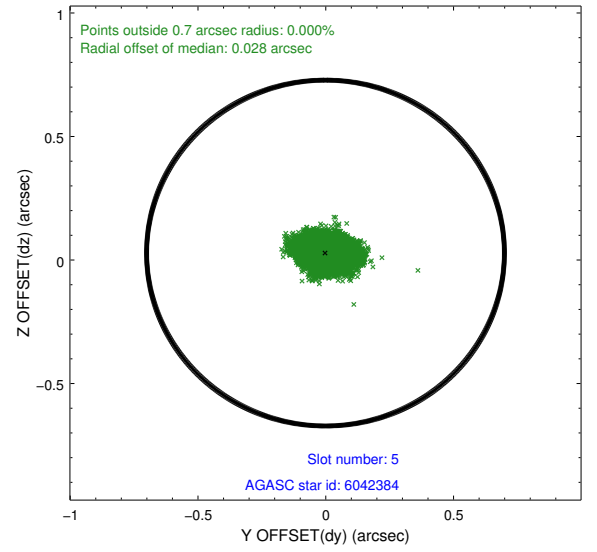
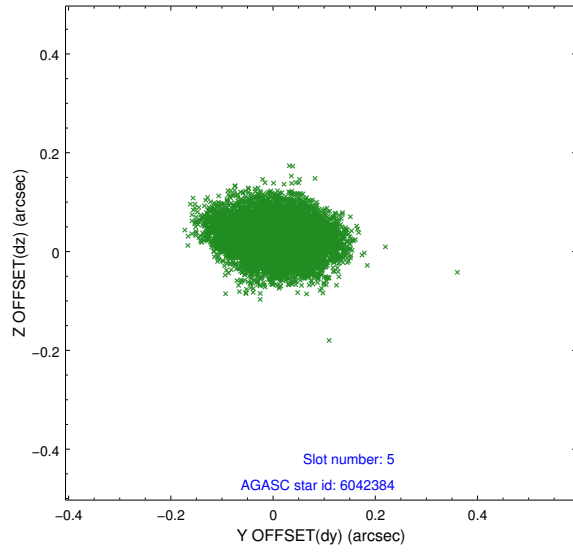
2.4.1 Slot 3



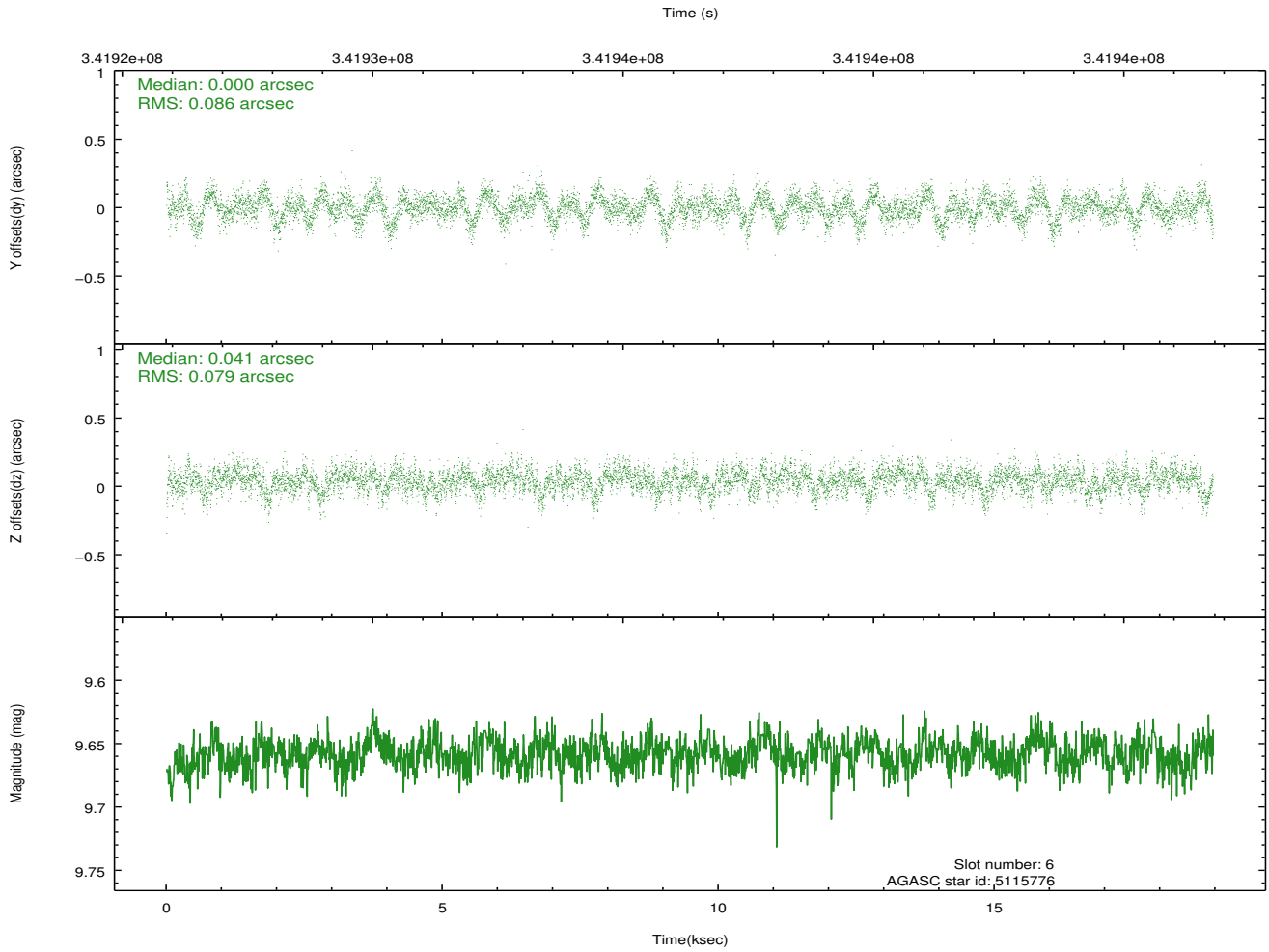
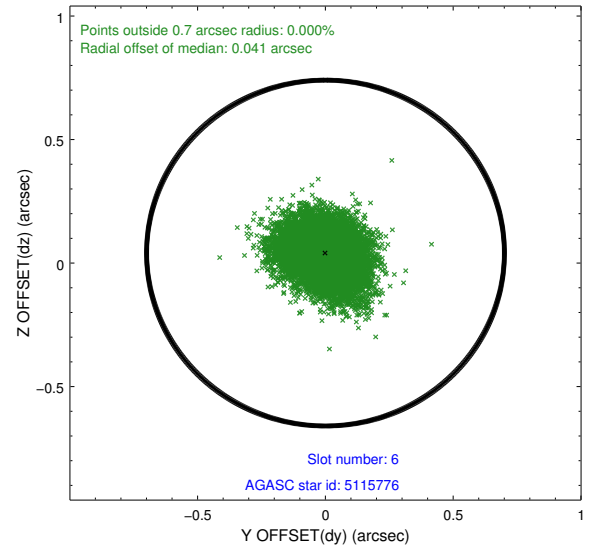
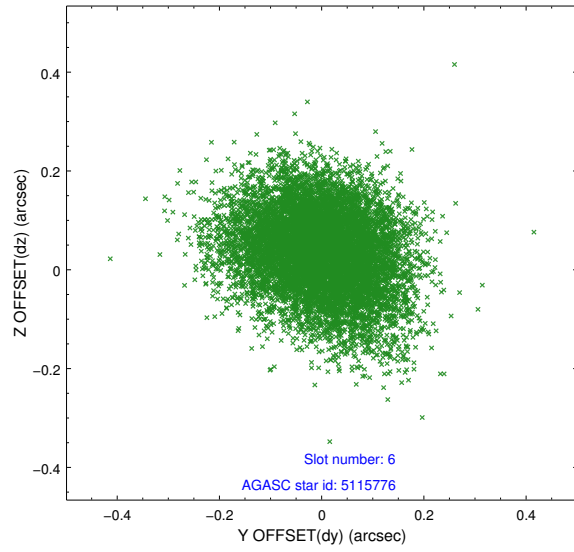
2.4.2 Slot 4



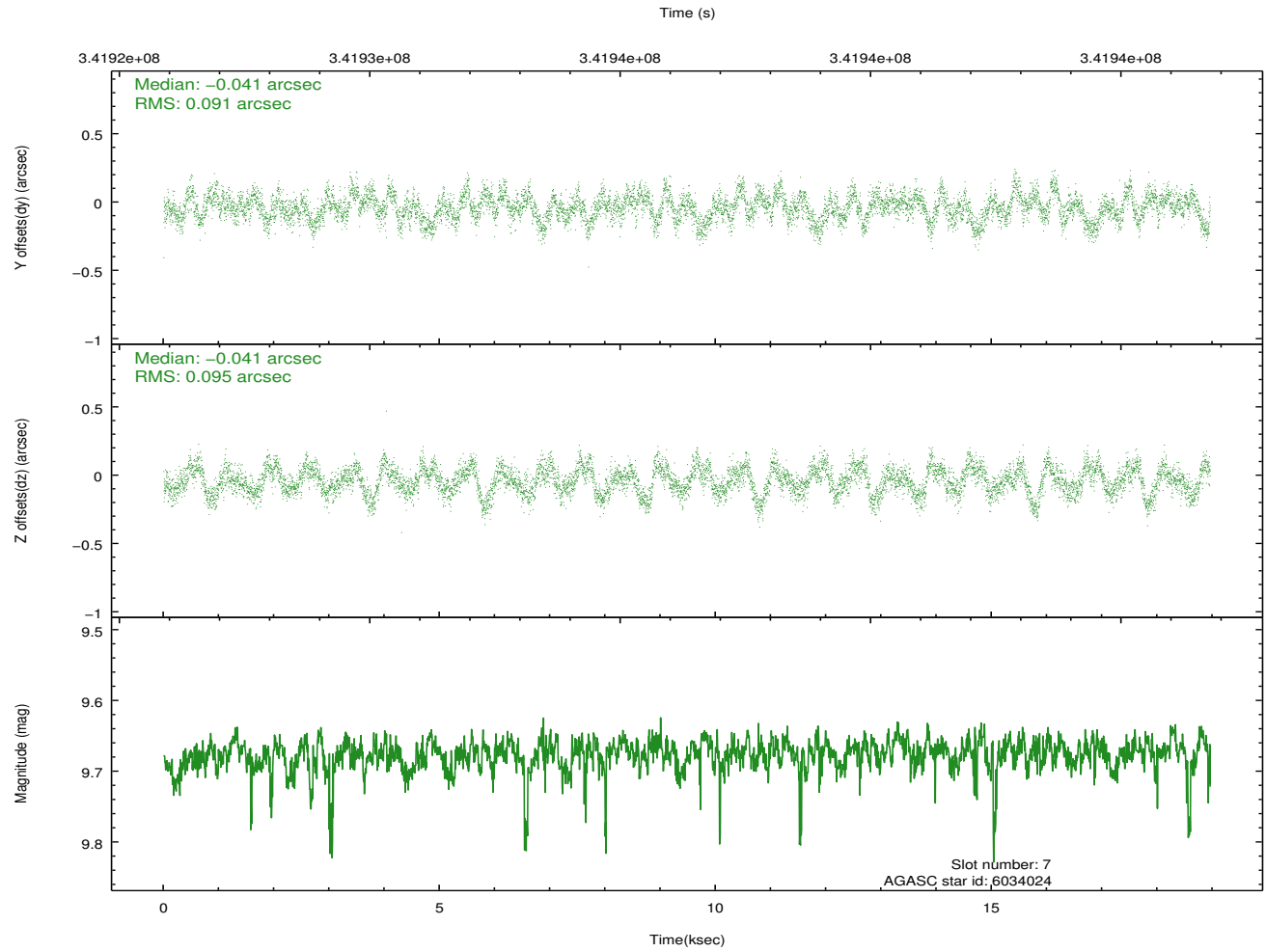
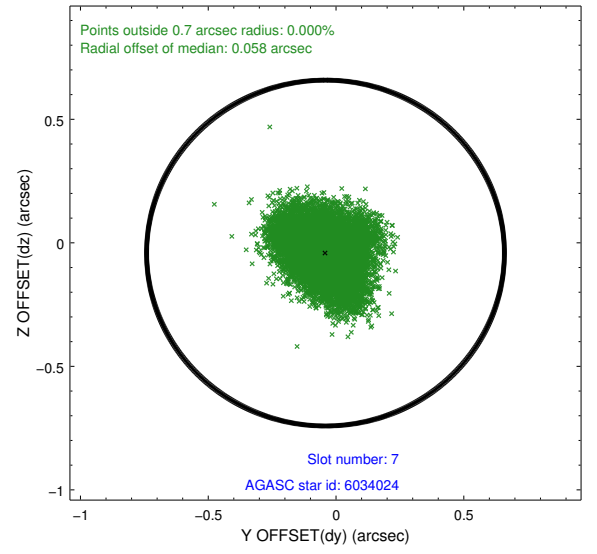
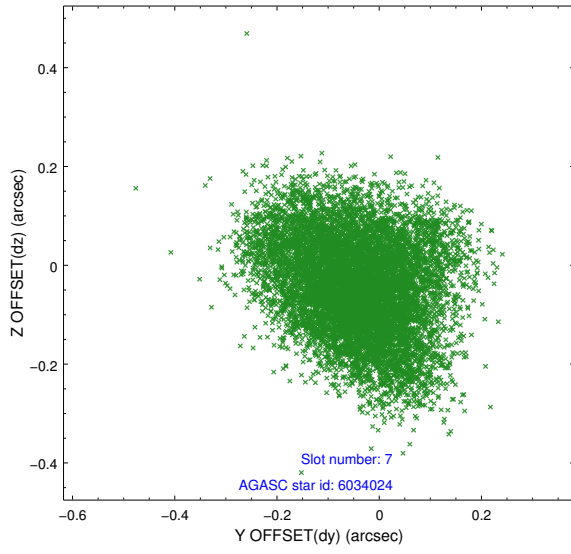
2.4.3 Slot 5



2.4.4 Slot 6

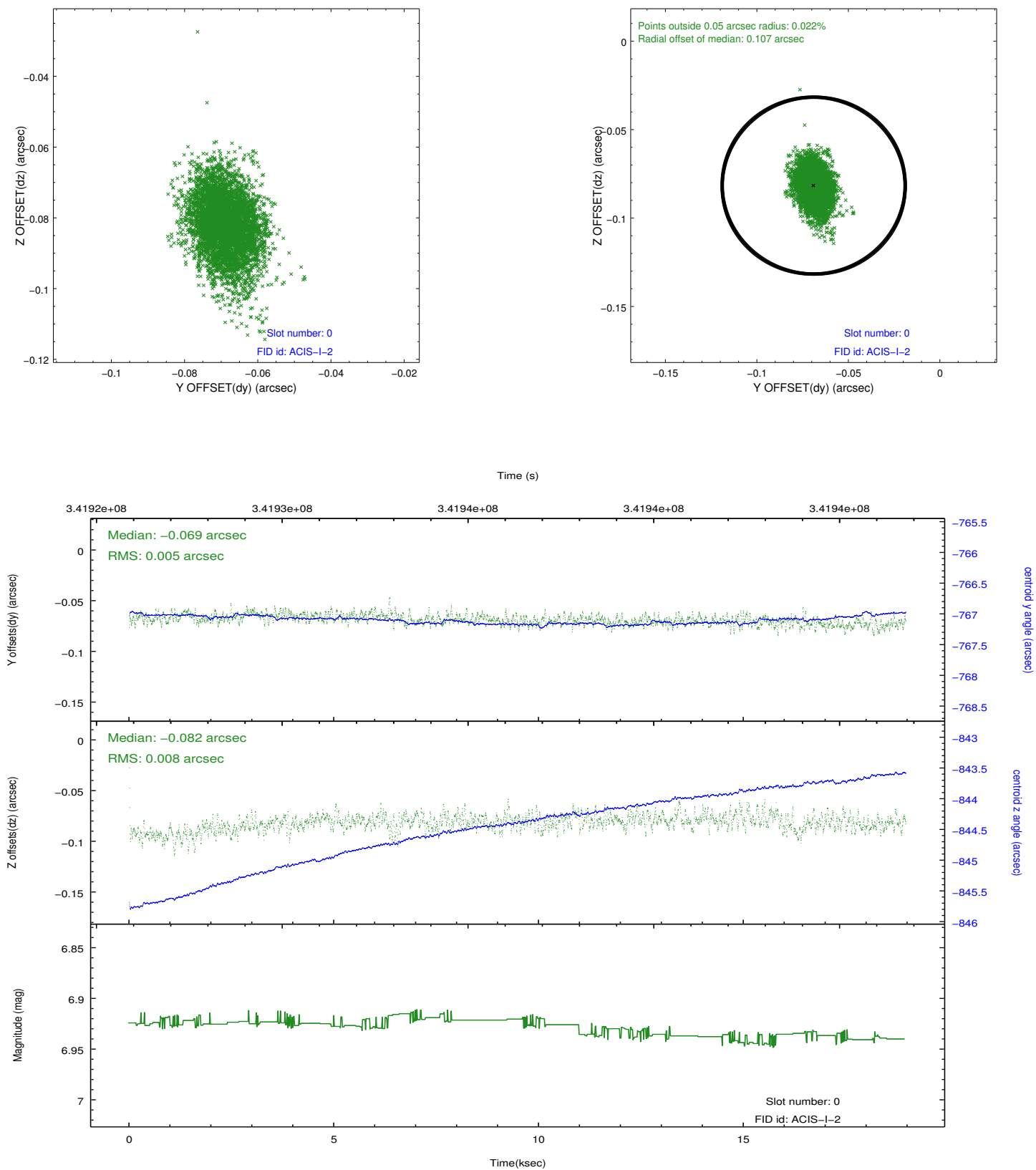


2.4.5 Slot 7

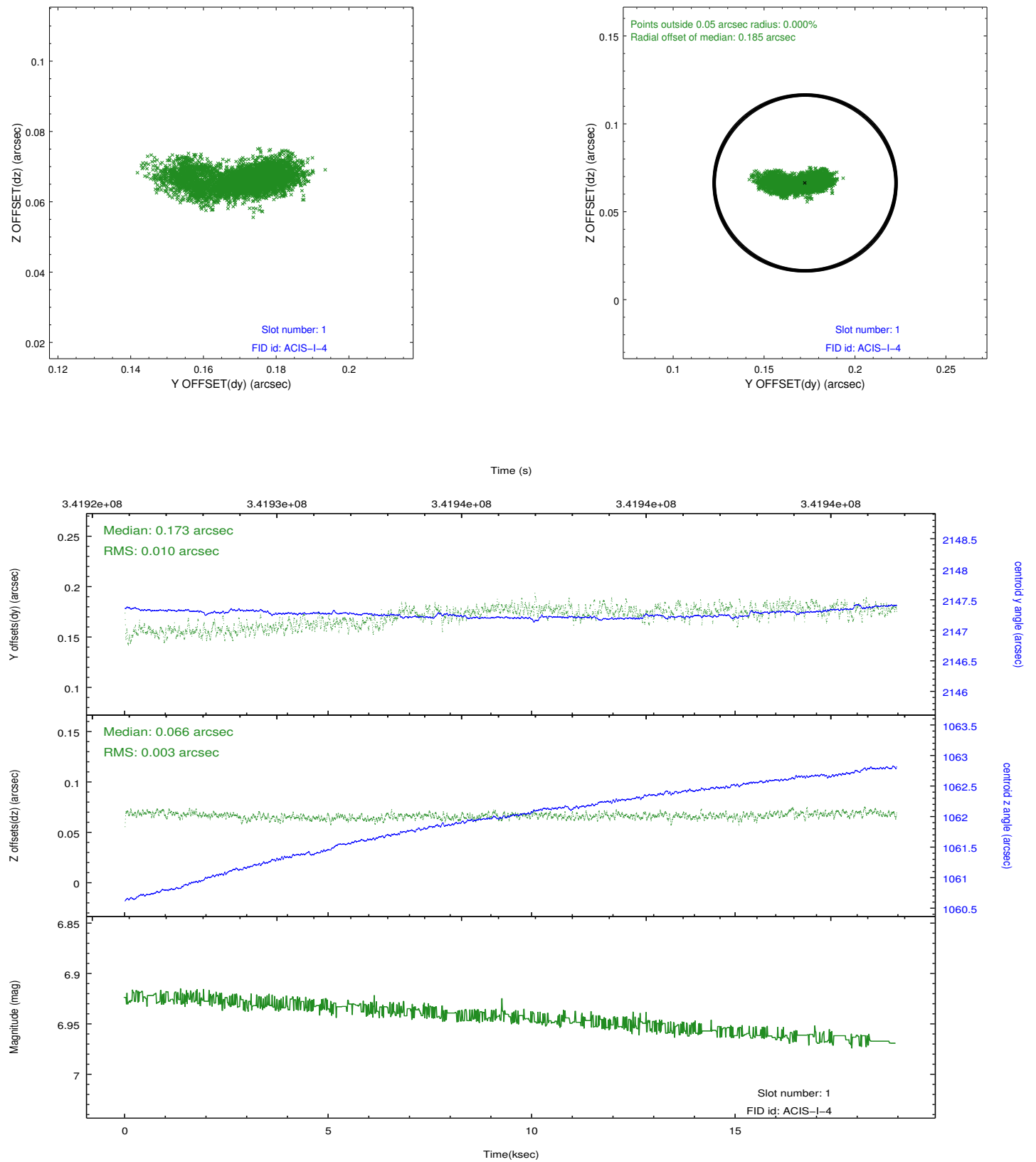


2.5 FID Slots

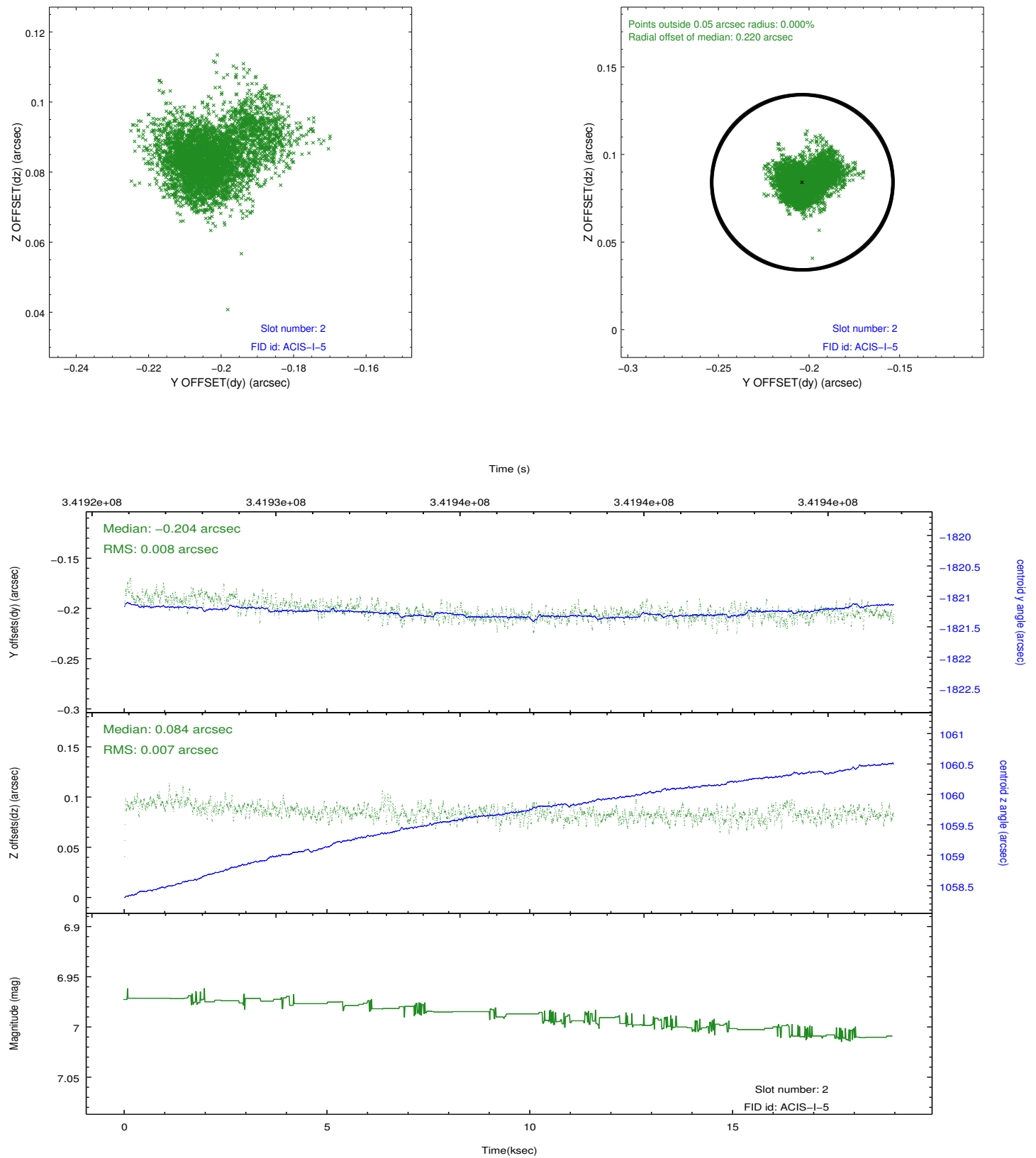
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.9534001

A.2 Comments