

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3595 - L2 Version 001
Chandra X-Ray Center

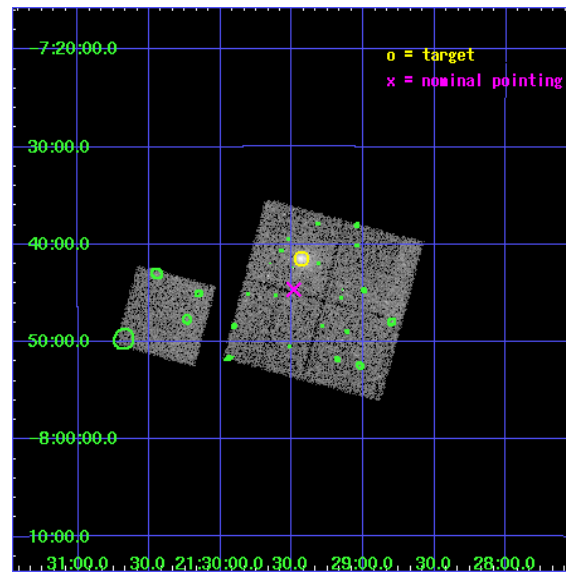
L2 Processing Date : Jun 29 2006

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1 Front

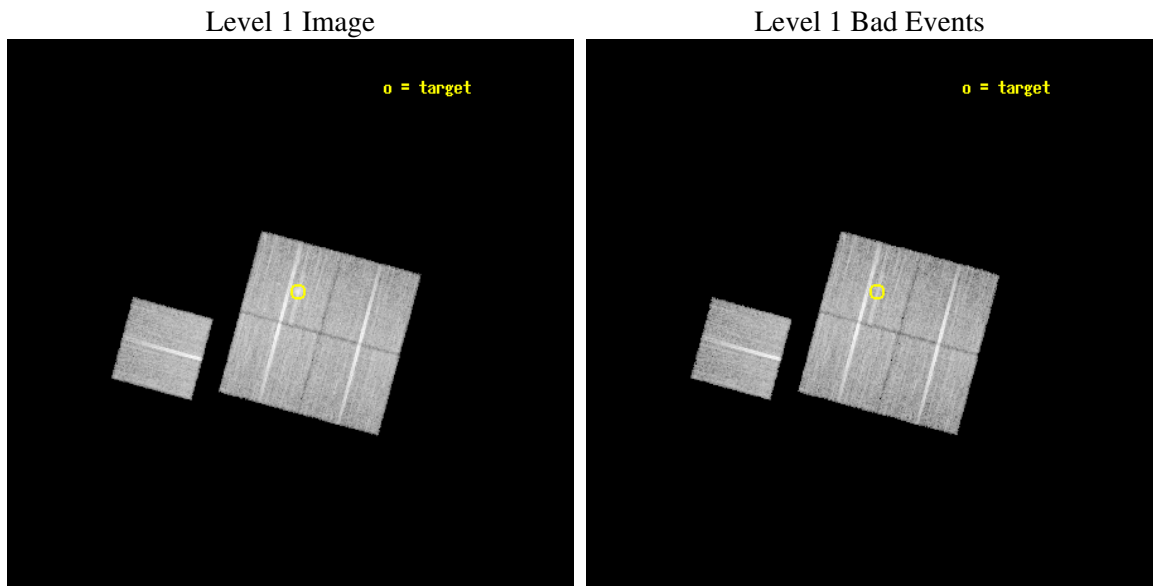
seq_num	800316
obs_id	3595
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS
observer	DR. LEON VANSPEYBROECK
object	MACS-J2129.4-0741
dtcycle	0
cycle	P
ra_targ	322.359167
dec_targ	-7.691
ra_nom	322.37157143396
dec_nom	-7.7439024452047
roll_nom	285.19610174514
revision	2
ontime	20137.558981031
livetime	19874.446947889
ontime0	20140.699961275
ontime1	20140.699961275
ontime2	20140.699961275
ontime3	20137.558981031
ontime6	20140.699961275
l2events	49675



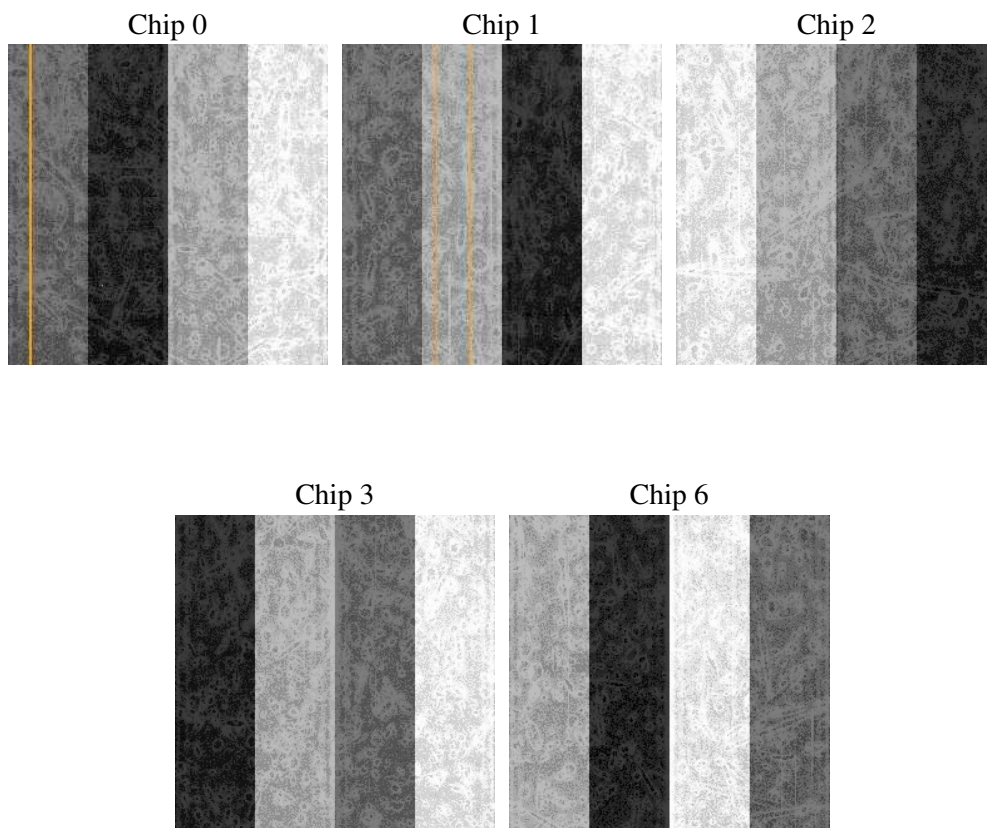
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-29T10:16:25
revision	2

sched_exp_time	20000.000000
ontime	20510.759052128
ontime0	20513.900032371
ontime1	20513.900032371
ontime2	20513.900032371
ontime3	20510.759052128
ontime6	20513.900032371
l1events	559936

2.1.4 Events

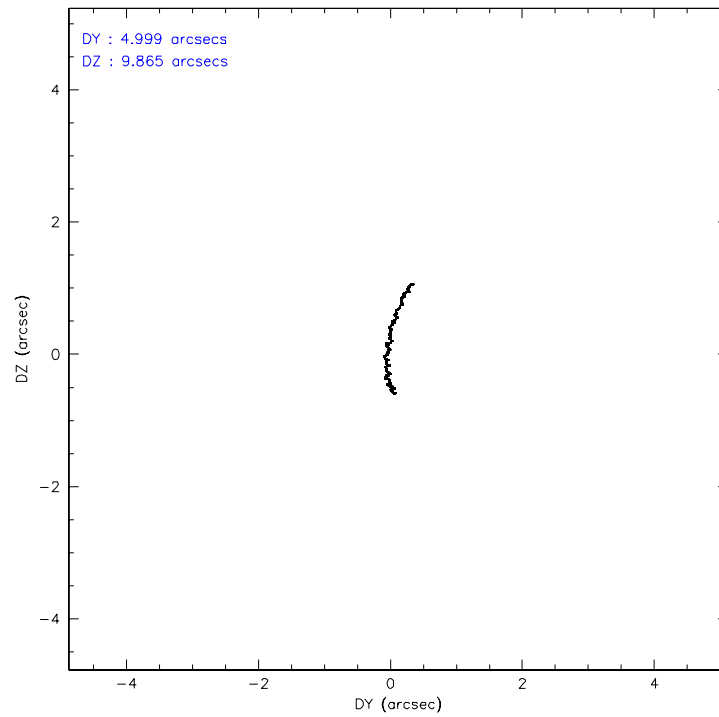
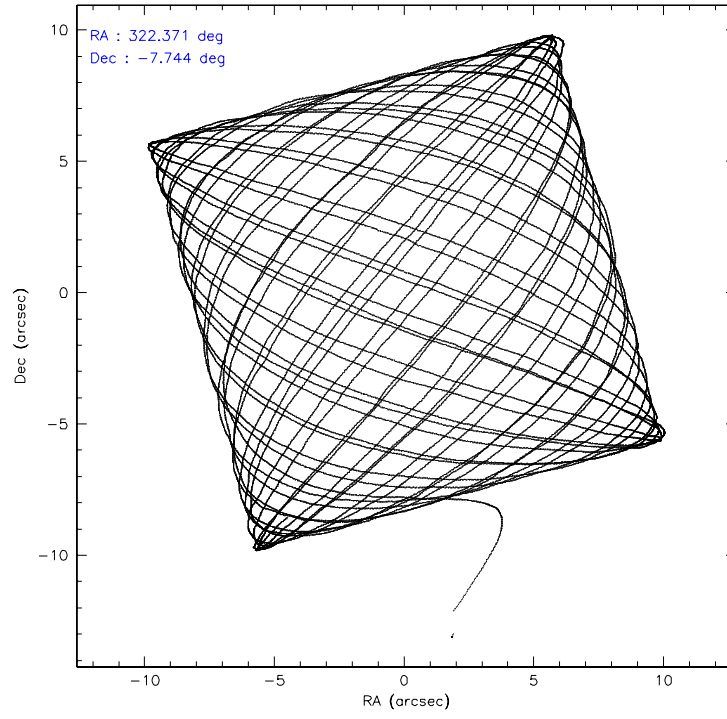
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	105752	102733	119042	119885	112524
rejected events	94689	90519	108137	105741	101534
rejected %	89%	88%	90%	88%	90%

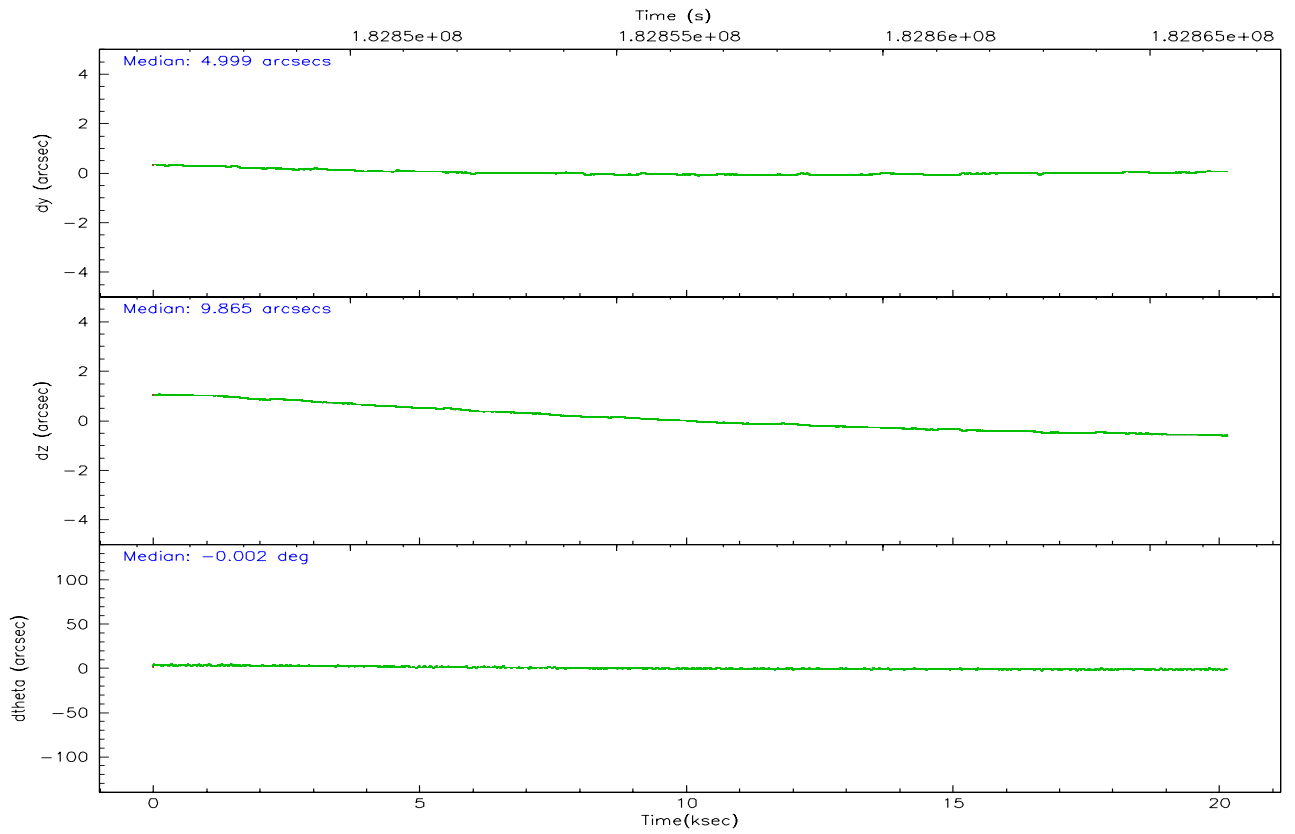
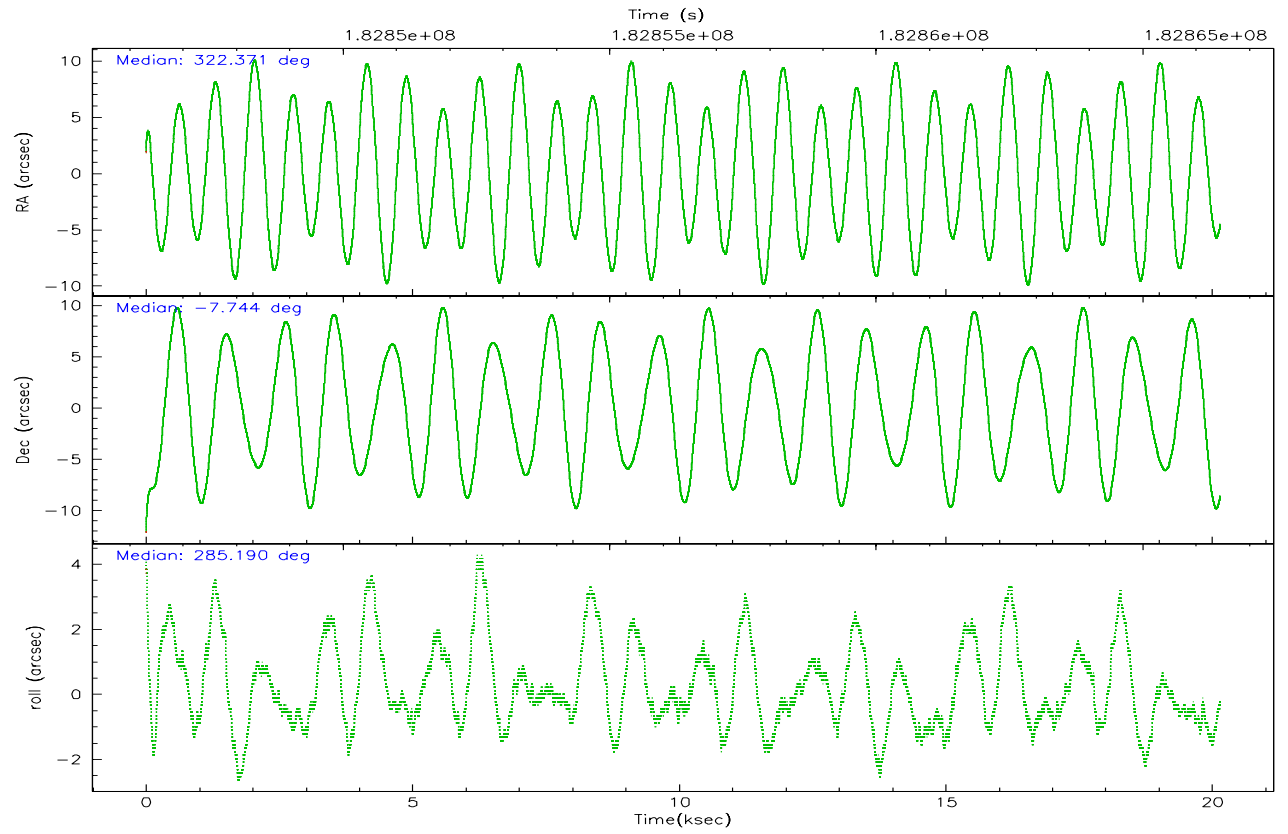
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3925	4507	3958	6869	3777
	3%	4%	3%	5%	3%
grade 1 events	39	33	59	78	47
	0%	0%	0%	0%	0%
grade 2 events	2638	2638	2623	2657	2401
	2%	2%	2%	2%	2%
grade 3 events	1311	1408	1240	1364	1238
	1%	1%	1%	1%	1%
grade 4 events	1233	1447	1235	1323	1344
	1%	1%	1%	1%	1%
grade 5 events	4014	4267	3873	4468	4407
	3%	4%	3%	3%	3%
grade 6 events	2199	2440	2056	2165	2447
	2%	2%	1%	1%	2%
grade 7 events	90393	85993	103998	100961	96863
	85%	83%	87%	84%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	322.351897	322.3715714339567	Alternating exposures requested	N	N
Pointing Dec	-7.724680	-7.743902445204651	Primary exposure time	0.000000	3.1
Pointing Roll	284.984762	285.1961017451399			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8458576473255			
SIM translation stage offset (mm)	-7.752	-7.746595355604228			
Observation start time	182846447.184000	182845291.45575			
Observation start date	2003-10-18T06:39:43	2003-10-18T06:21:31			
Observation end time	182866447.184000	182867055.28168			
Observation end date	2003-10-18T12:13:03	2003-10-18T12:24:15			
Read mode	TIMED	TIMED			

2.3 Aspect



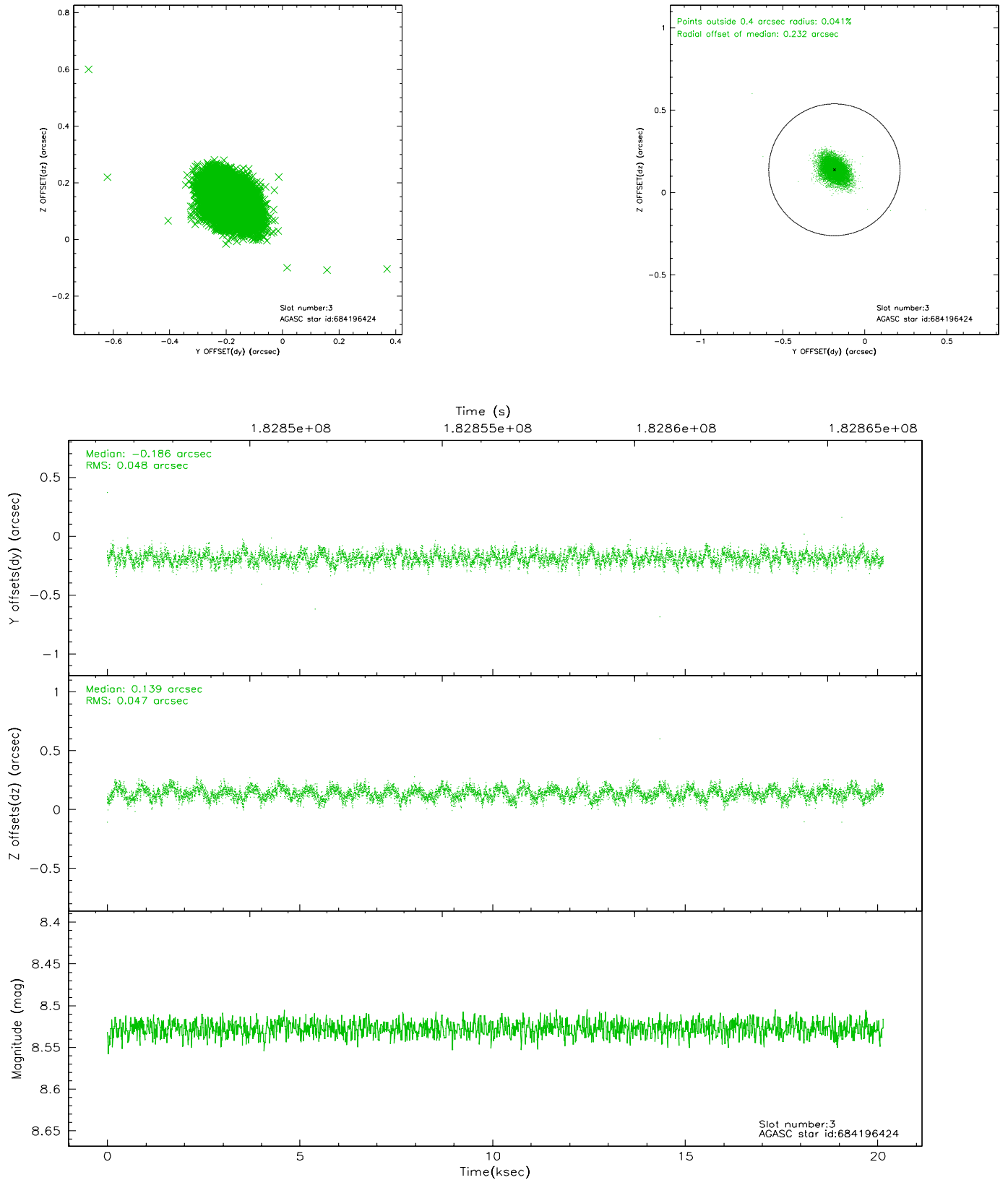


Slot Statistics

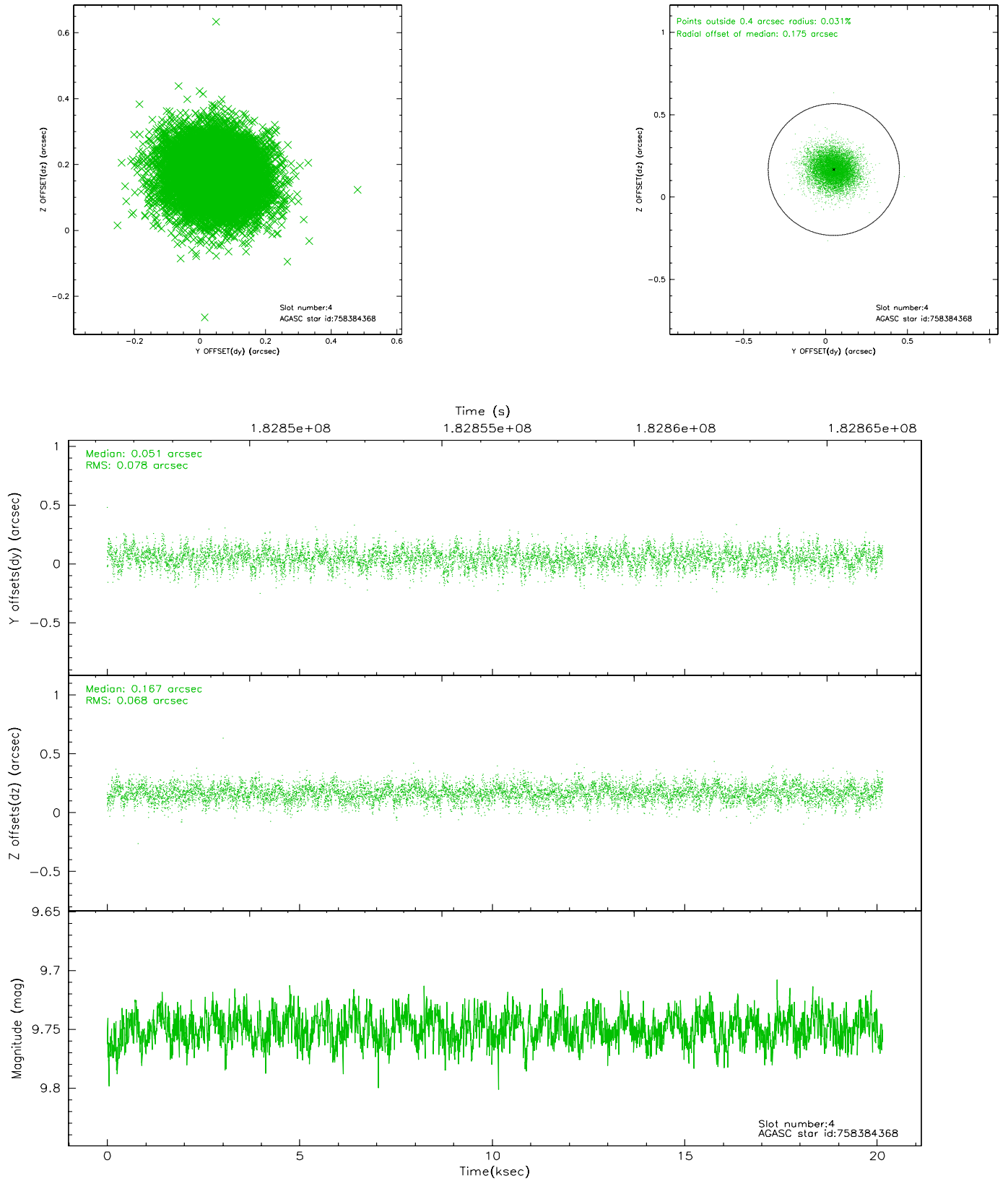
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4914	0.058	-0.034	0.015	0.039	0.000000	0.000000	934.61	-992.51
1	FID	ACIS-I-5	7.22	4915	-0.205	0.062	0.010	0.026	0.000000	0.000000	-1813.65	904.98
2	FID	ACIS-I-6	7.24	4915	0.055	0.044	0.012	0.028	0.000000	0.000000	399.96	1549.66
3	GUIDE	684196424	8.53	9828	-0.186	0.139	0.070	0.115	322.506260	-7.293564	-1356.64	933.90
4	GUIDE	758384368	9.75	9825	0.051	0.167	0.110	0.178	322.937659	-8.187761	2151.61	1585.67
5	GUIDE	758391200	9.64	9819	-0.094	-0.123	0.116	0.185	321.793565	-8.009857	479.28	-2188.12
6	GUIDE	758391768	9.75	9765	0.058	-0.115	0.123	0.197	322.421313	-7.871893	576.48	102.12
7	GUIDE	758391840	9.80	9819	0.168	-0.067	0.118	0.188	322.196358	-8.128595	1262.03	-911.20

2.4 Star Slots

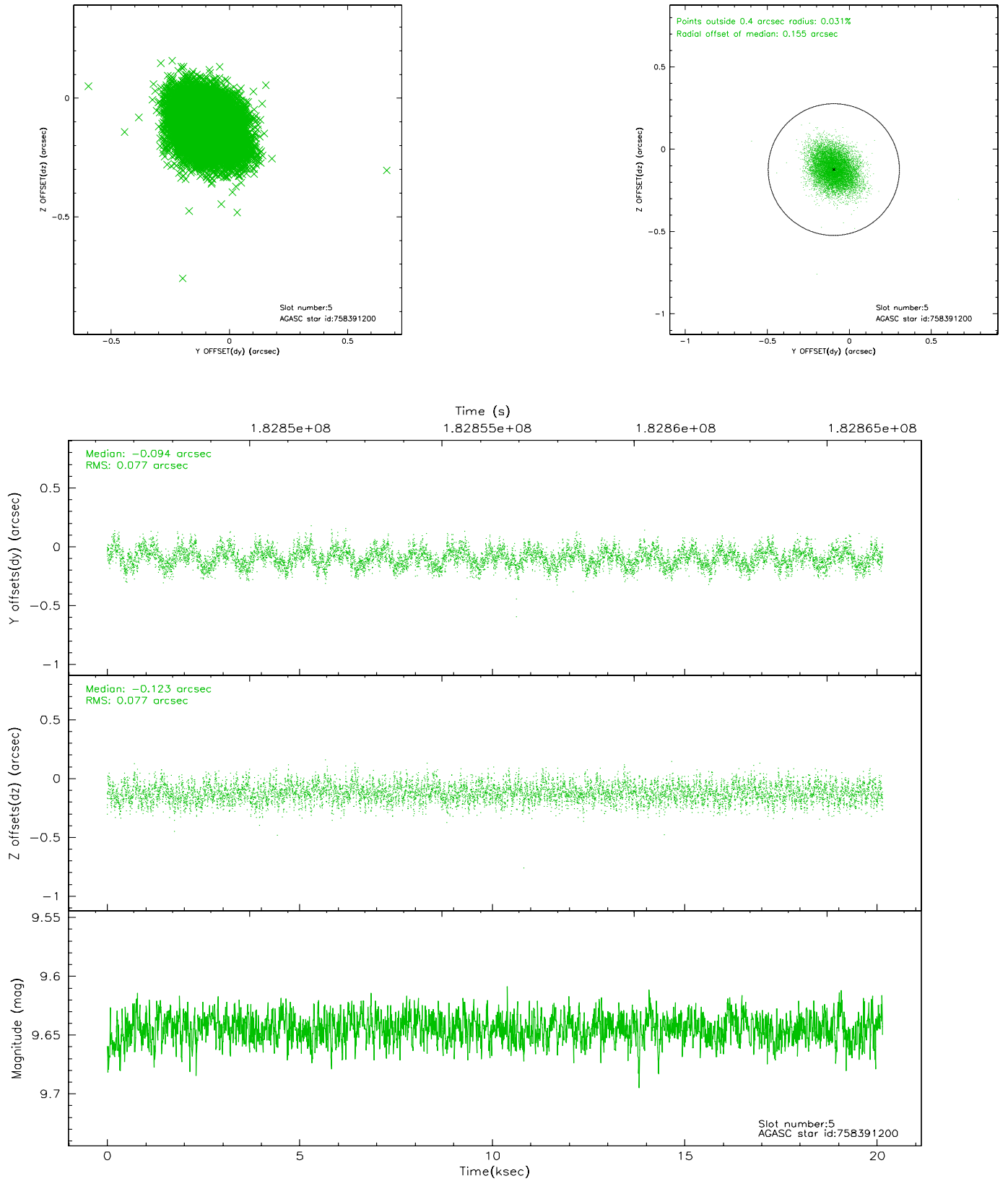
2.4.1 Slot 3



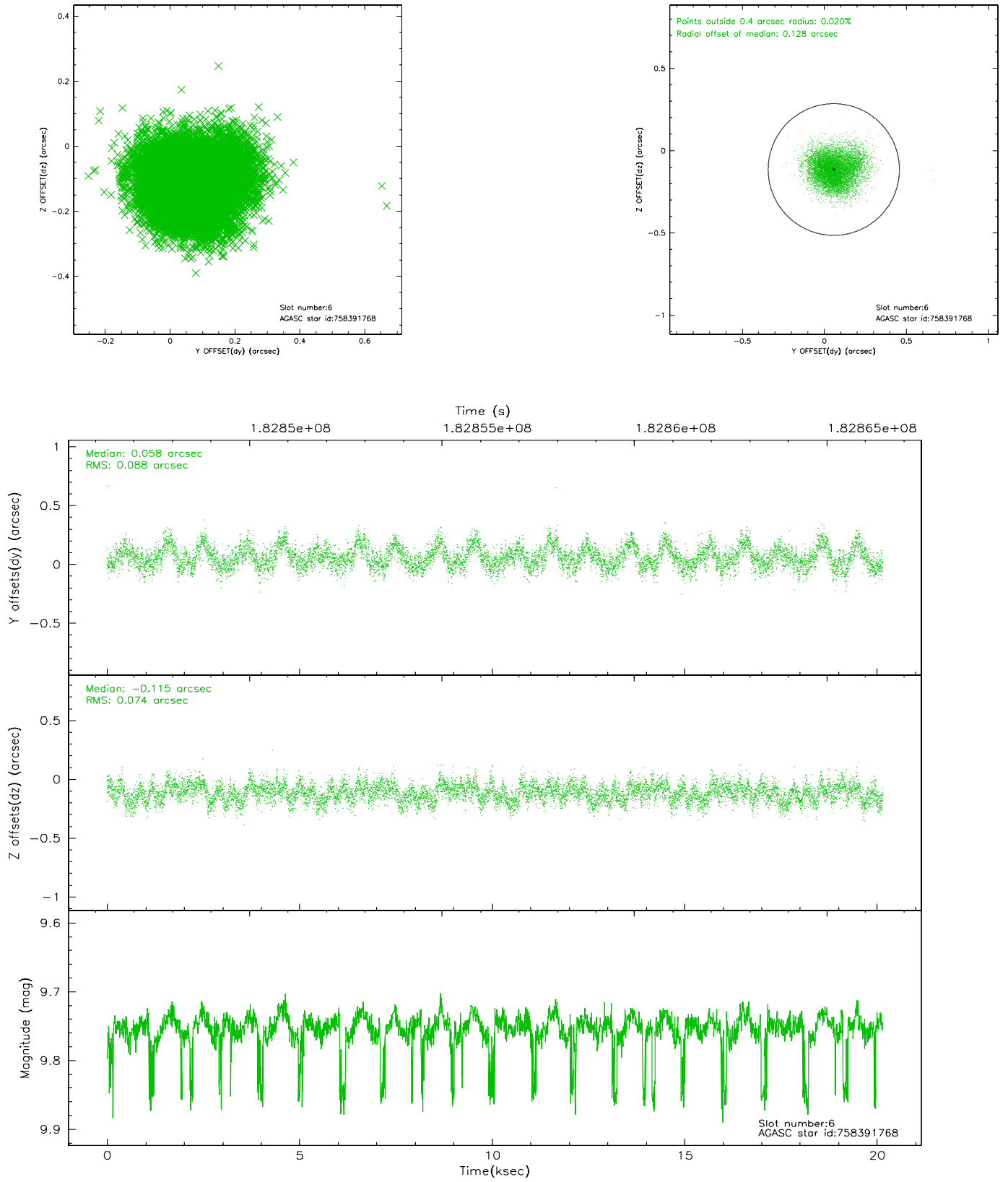
2.4.2 Slot 4



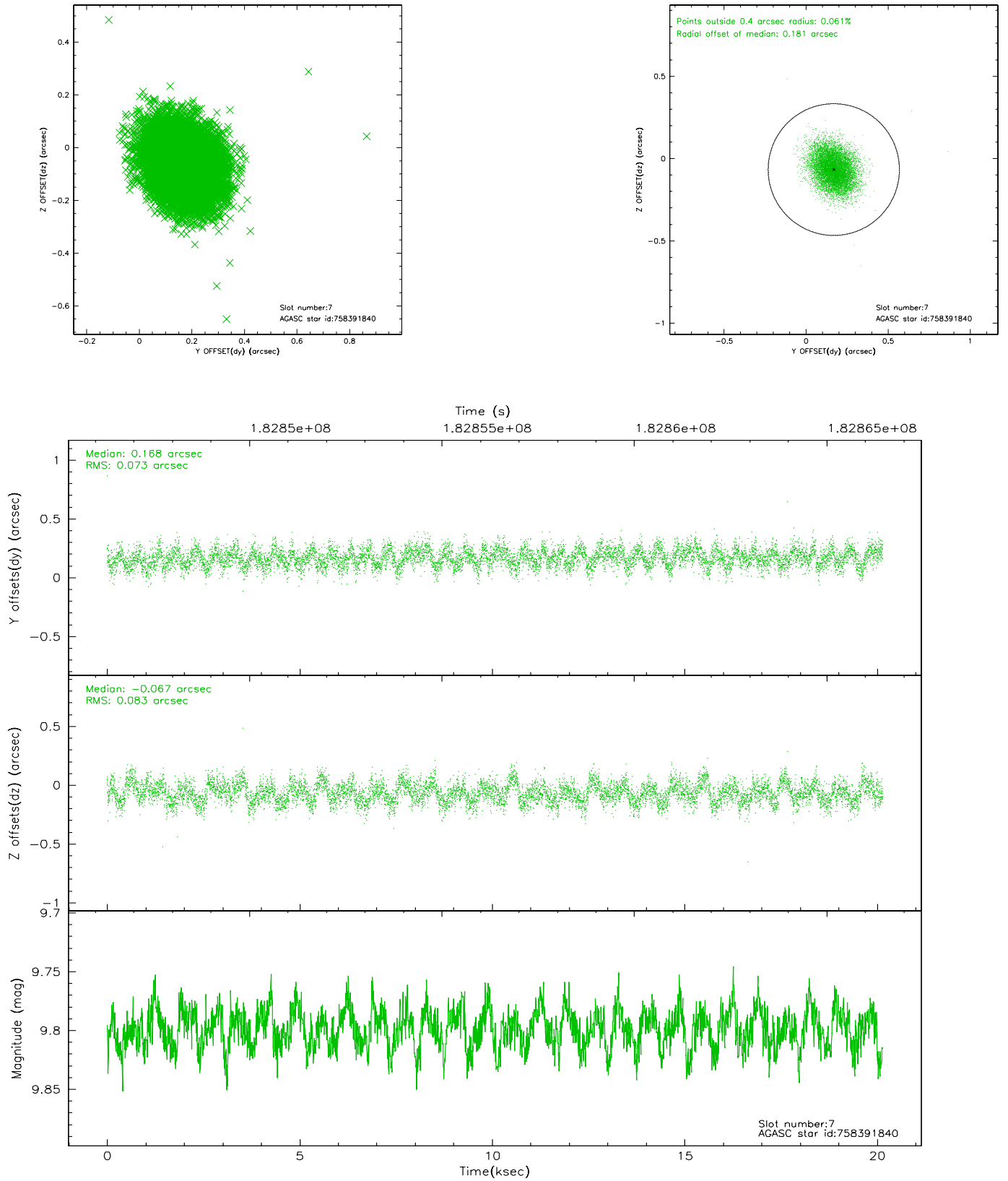
2.4.3 Slot 5



2.4.4 Slot 6

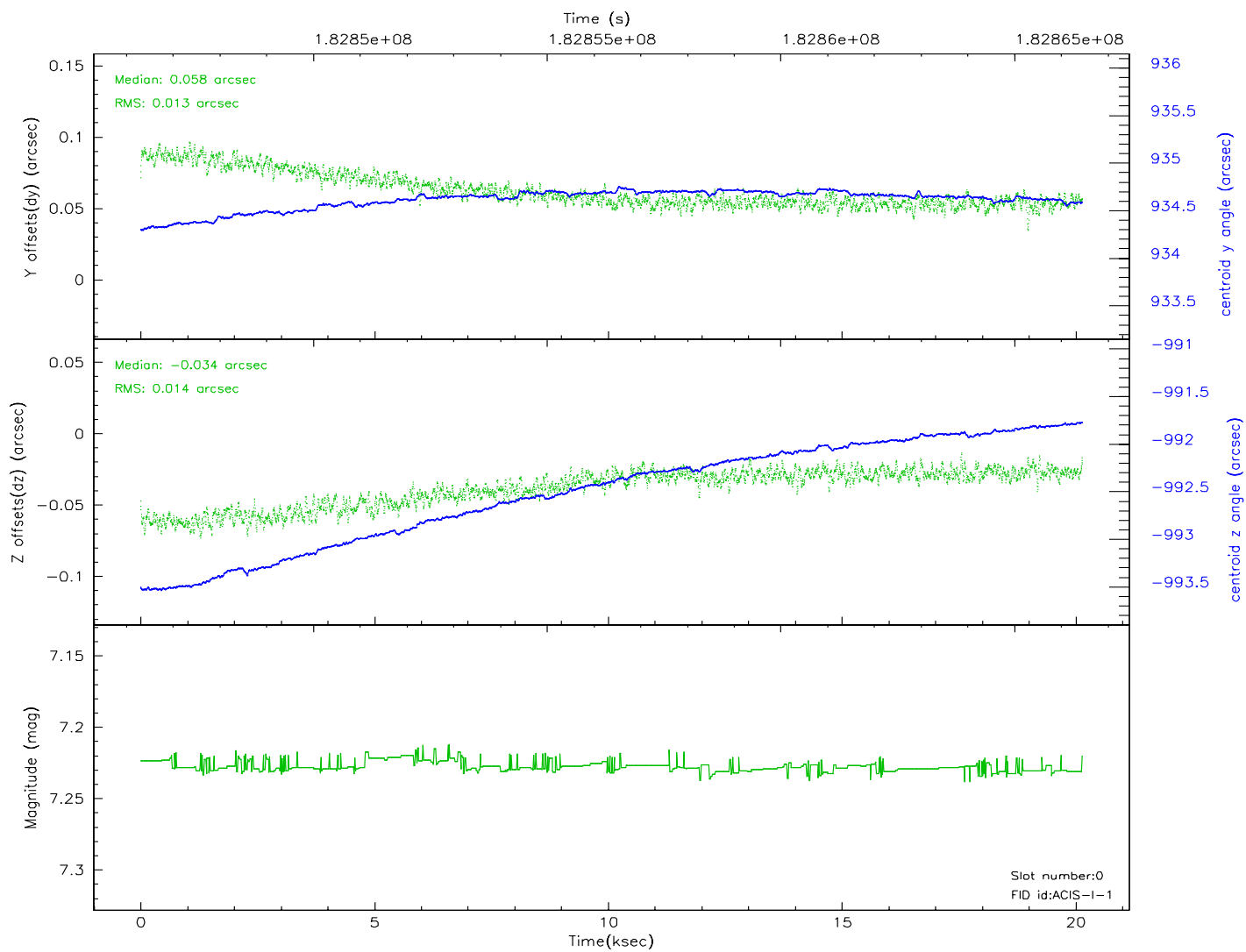
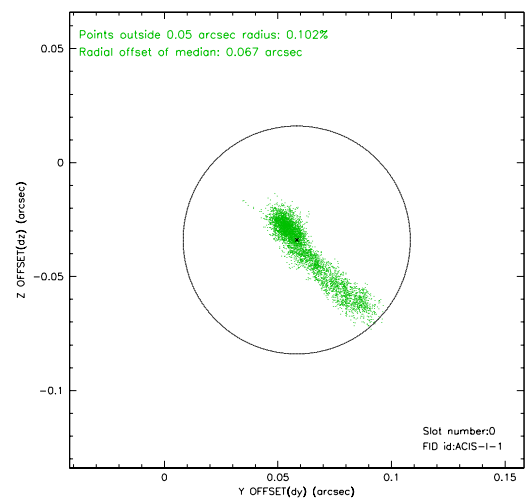
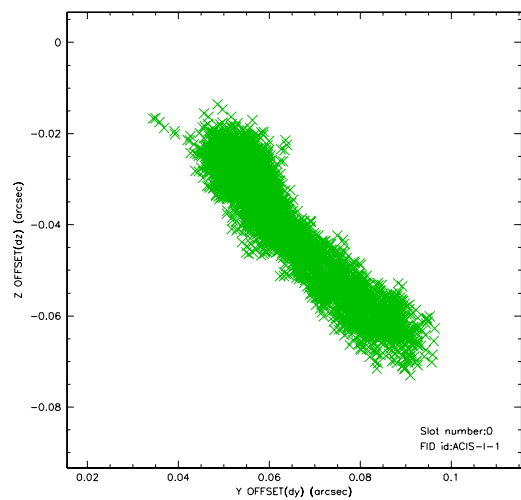


2.4.5 Slot 7

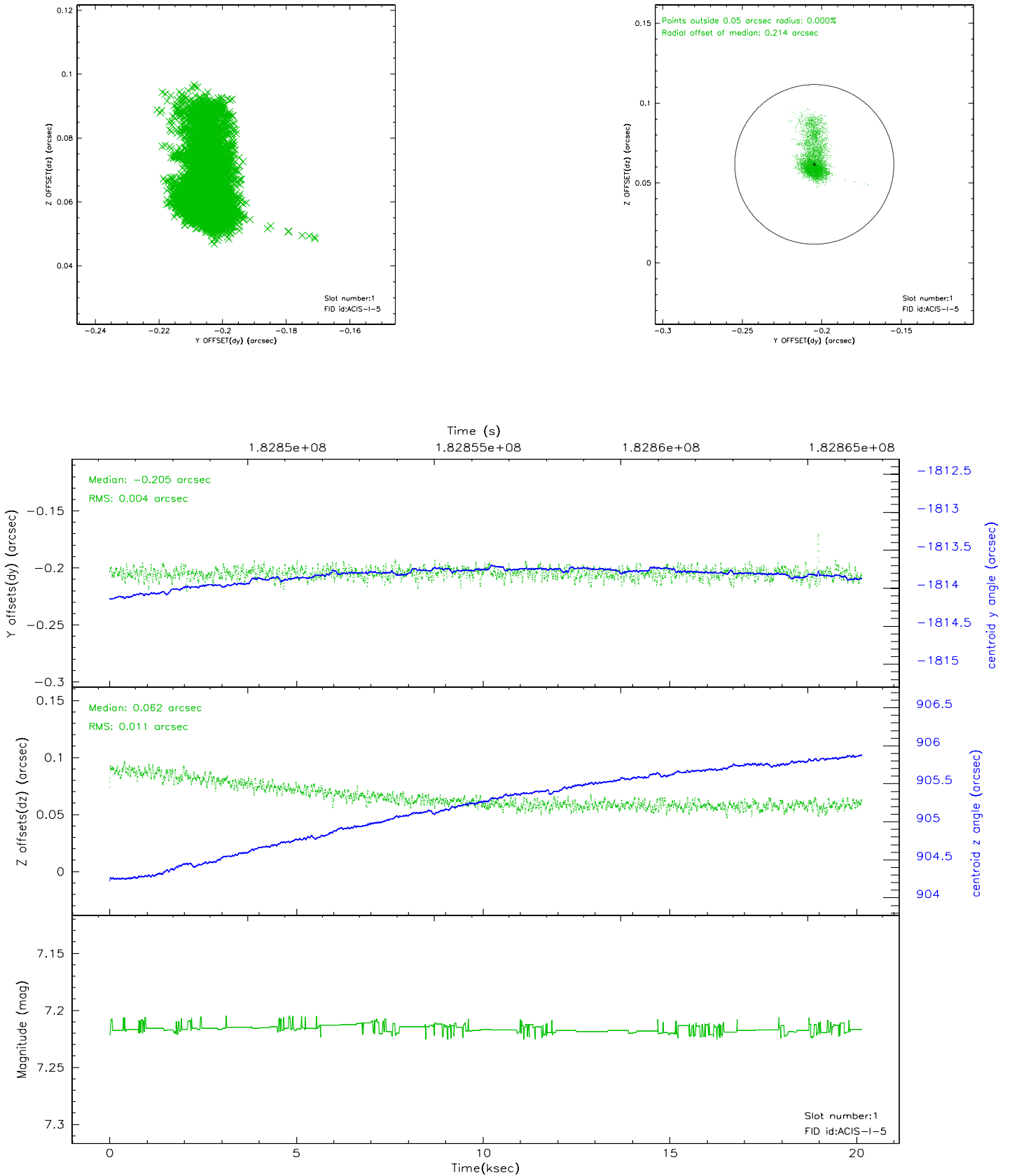


2.5 FID Slots

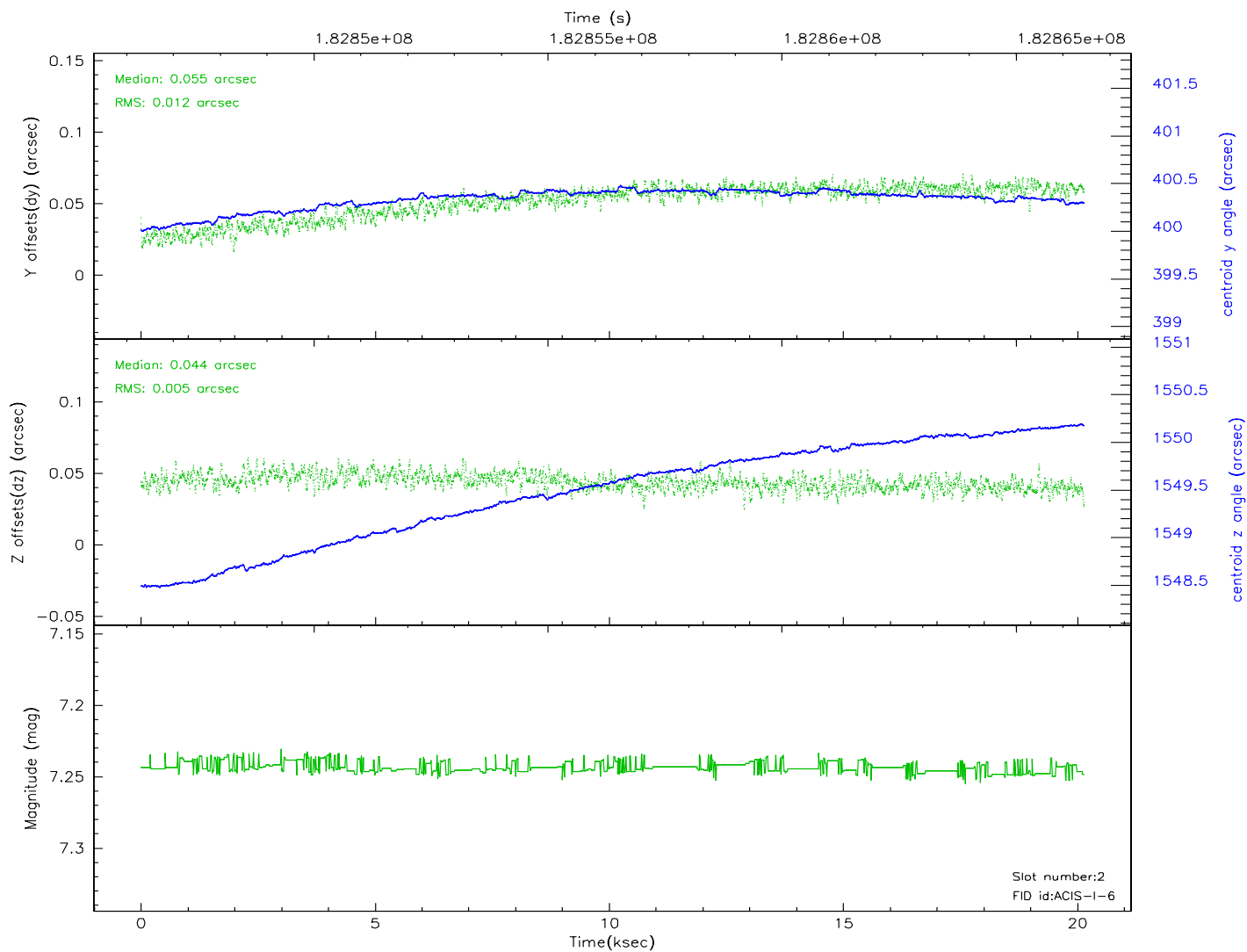
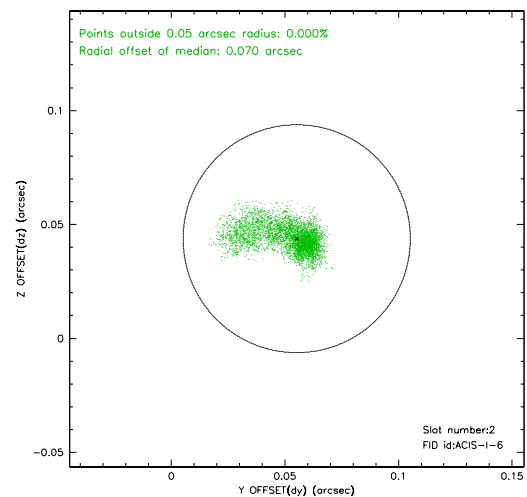
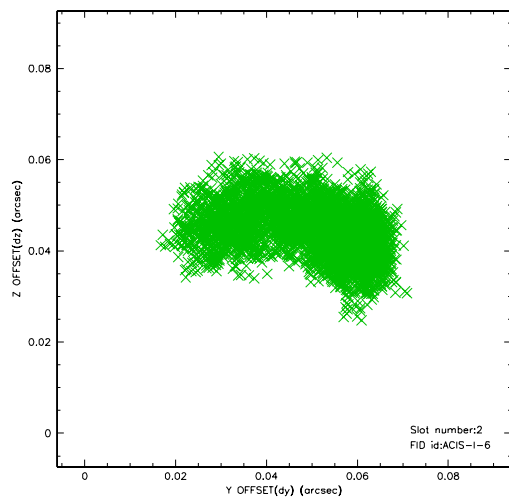
2.5.1 Slot 0



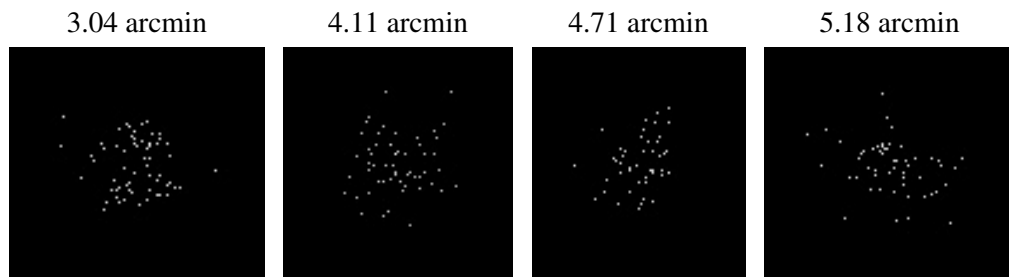
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.137

A.2 Comments