

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3583 - L2 Version 001
Chandra X-Ray Center

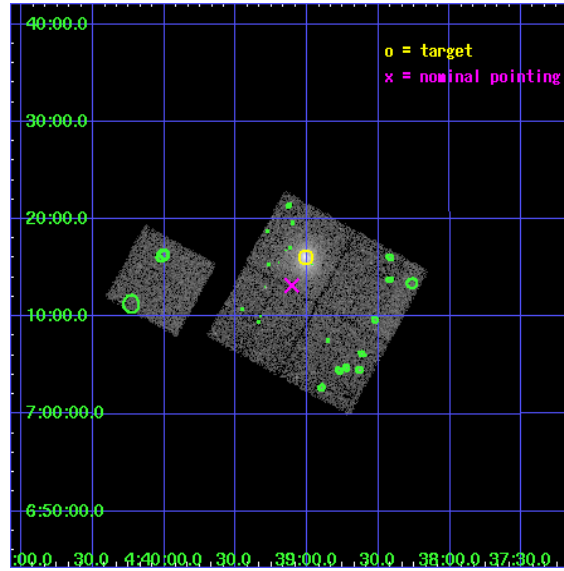
L2 Processing Date : Oct 18 2006

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1 Front

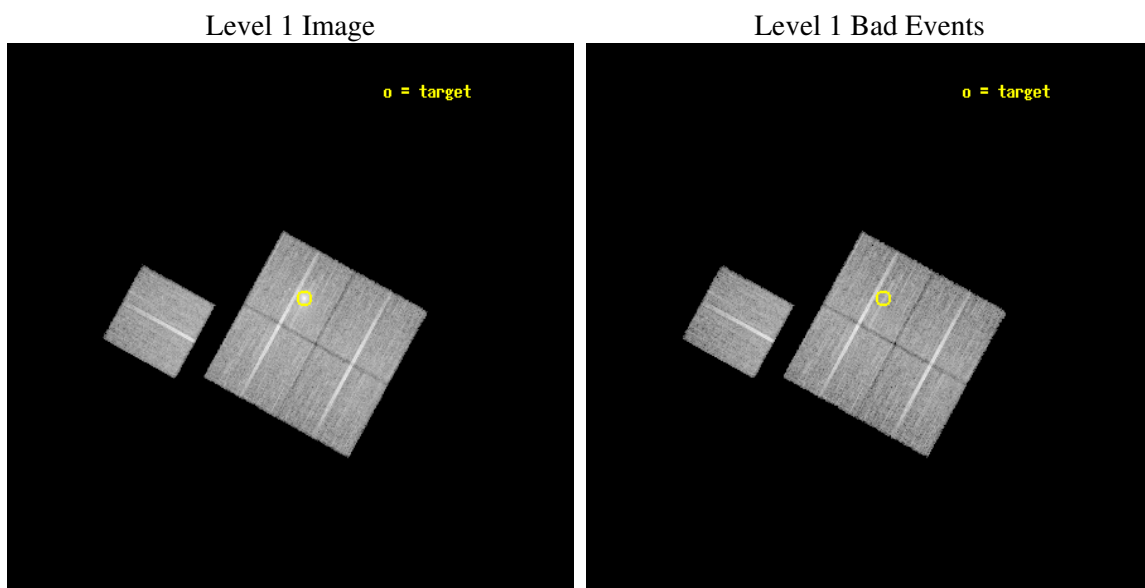
seq_num	800304
obs_id	3583
title	X-RAY/SZ DETERMINATION OF COSMOLOGICAL PARAMETERS
observer	DR. LEON VANSPEYBROECK
object	RXJ0439.0+0715
dtcycle	0
cycle	P
ra_targ	69.752083
dec_targ	7.268333
ra_nom	69.77672656798
dec_nom	7.2198453816183
roll_nom	298.83039646945
revision	2
ontime	19467.999962568
livetime	19213.636210924
ontime0	19467.999962568
ontime1	19467.999962568
ontime2	19461.718002141
ontime3	19467.999962568
ontime6	19467.999962568
l2events	56350



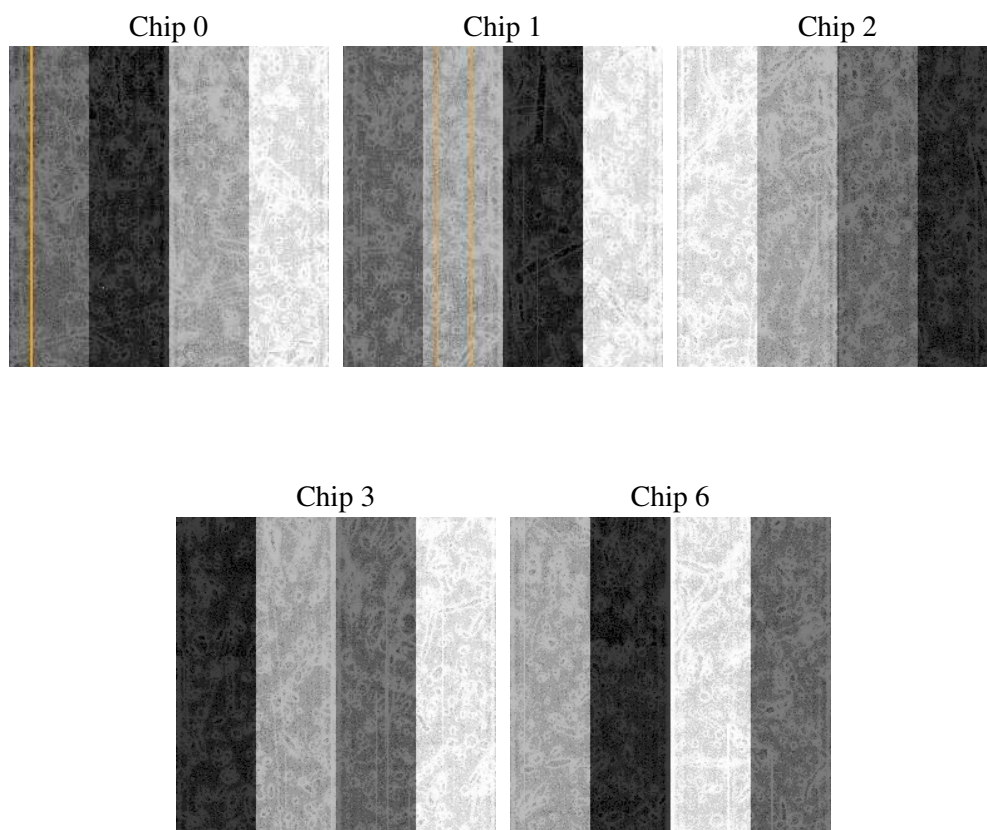
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-18T17:23:29
revision	2

sched_exp_time	19289.847000
ontime	19587.338058949
ontime0	19587.338078856
ontime1	19587.338058949
ontime2	19581.056098521
ontime3	19587.338058949
ontime6	19587.338058949
l1events	525908

2.1.4 Events

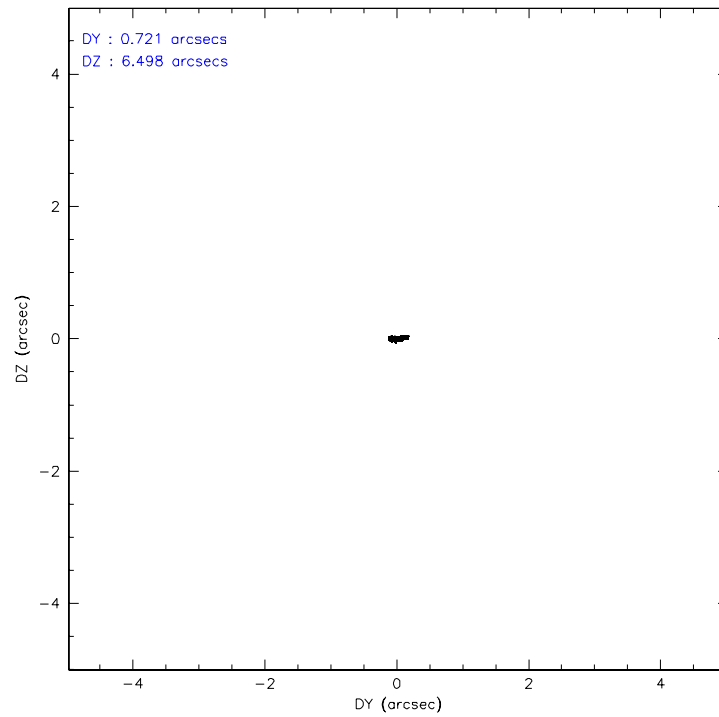
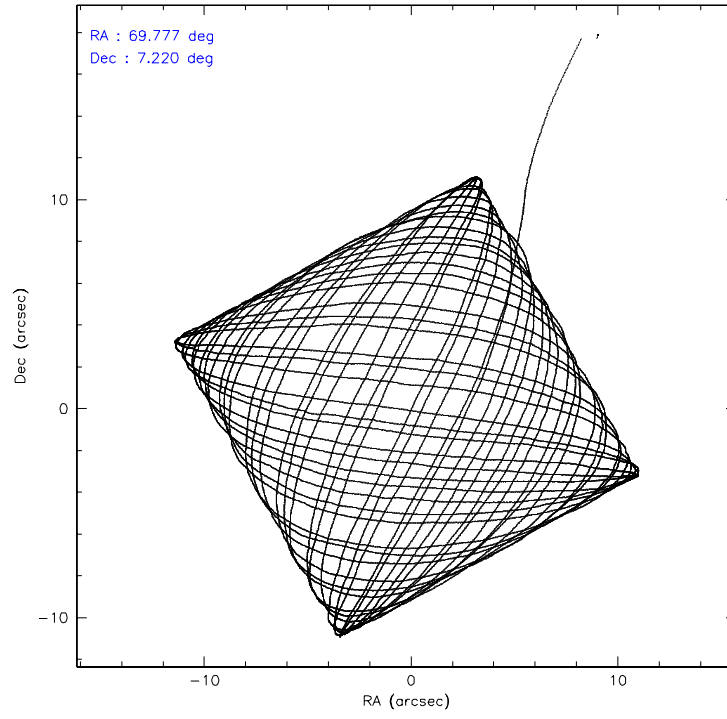
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	96748	98807	107933	117715	104705
rejected events	86511	87151	97770	94922	93997
rejected %	89%	88%	90%	80%	89%

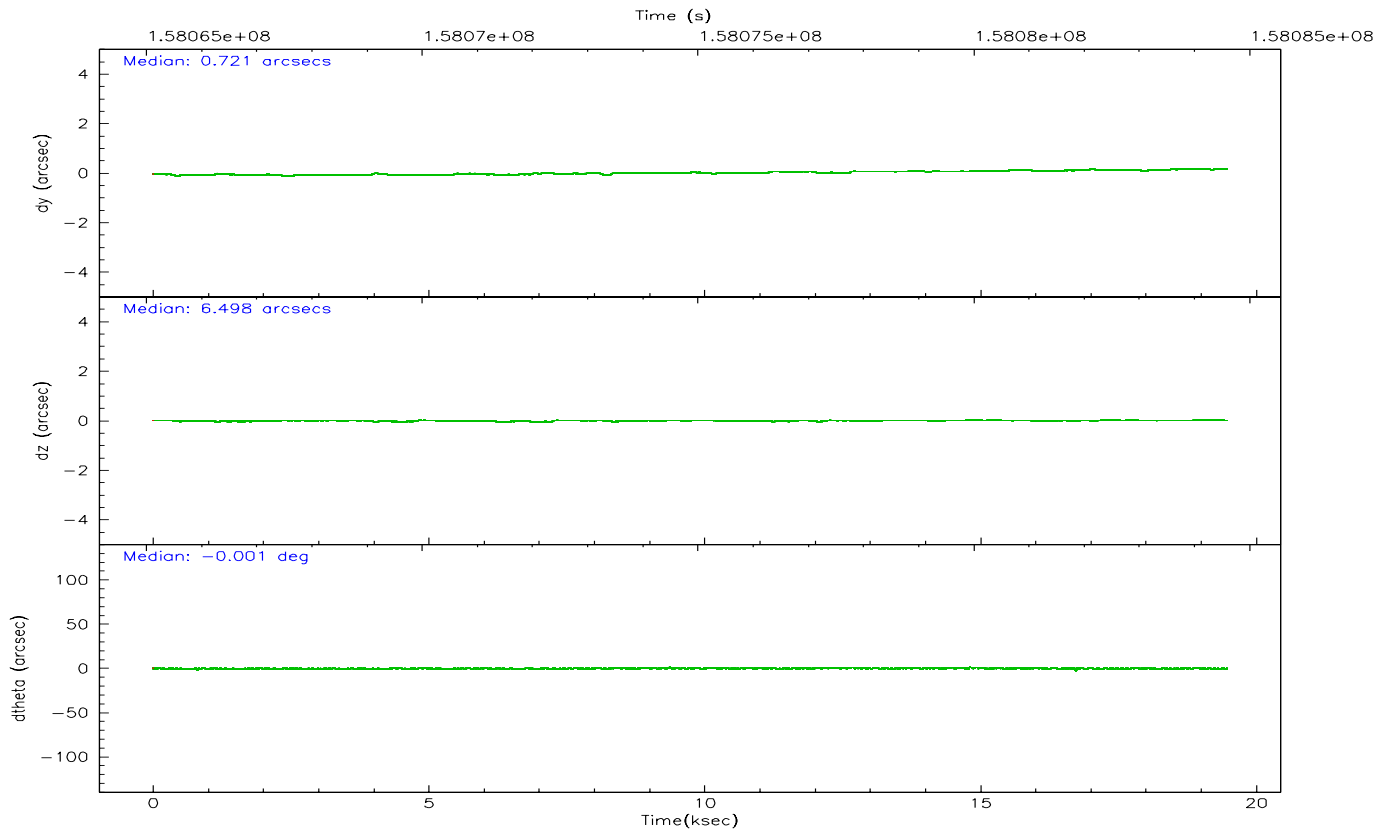
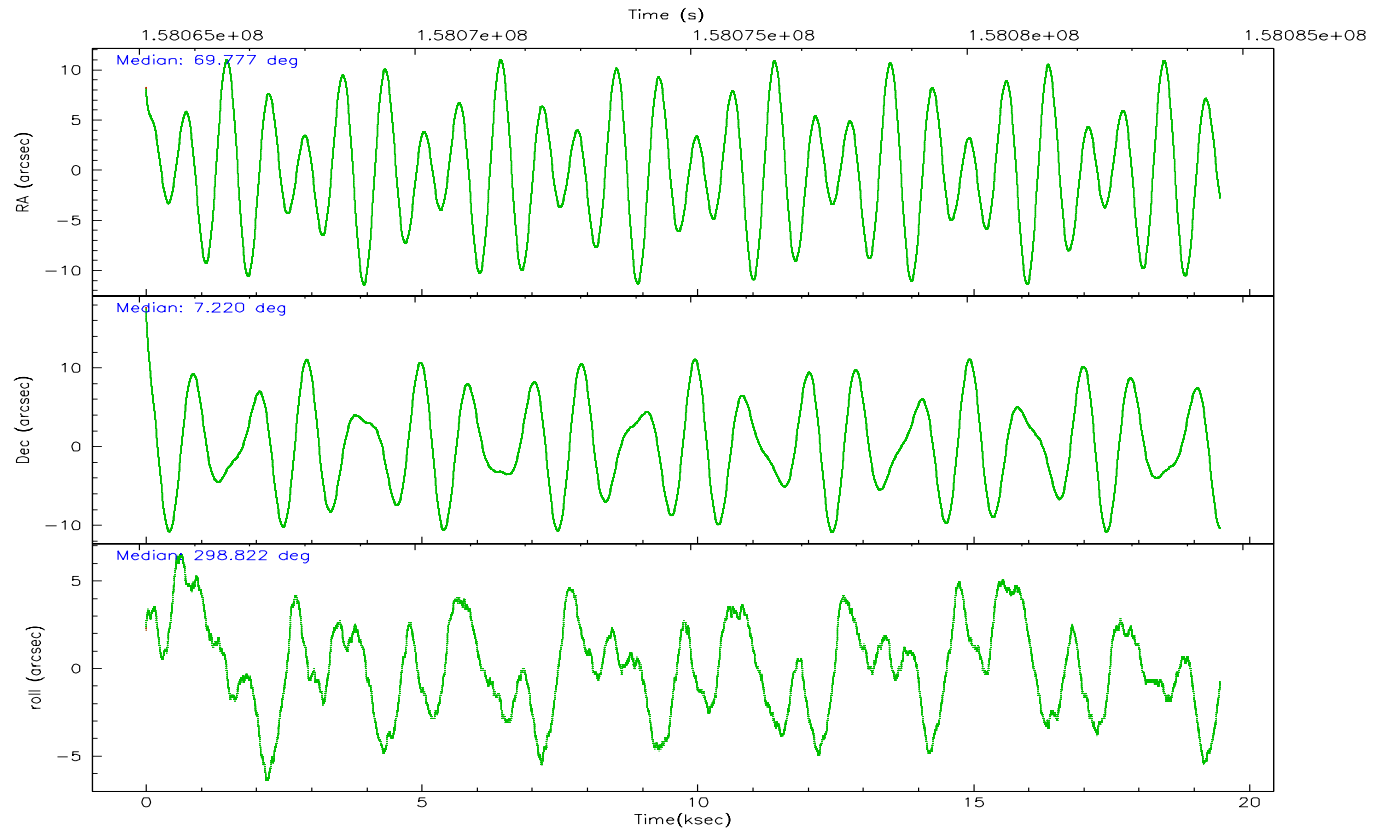
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3773	4431	3791	14355	4038
	3%	4%	3%	12%	3%
grade 1 events	49	52	65	75	47
	0%	0%	0%	0%	0%
grade 2 events	2224	2485	2253	3273	2212
	2%	2%	2%	2%	2%
grade 3 events	1187	1346	1170	1583	1225
	1%	1%	1%	1%	1%
grade 4 events	1144	1244	1167	1523	1111
	1%	1%	1%	1%	1%
grade 5 events	3536	3804	3359	3975	3953
	3%	3%	3%	3%	3%
grade 6 events	1970	2227	1841	2205	2172
	2%	2%	1%	1%	2%
grade 7 events	82865	83218	94287	90726	89947
	85%	84%	87%	77%	85%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	69.753031	69.77672656797968	Subarray requested	NONE	NONE
Pointing Dec	7.233914	7.219845381618313	Alternating exposures requested	N	N
Pointing Roll	298.624694	298.8303964694489	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	158065300.184000	158064251.82973			
Observation start date	2003-01-04T11:00:36	2003-01-04T10:44:11			
Observation end time	158084590.184000	158084904.0431			
Observation end date	2003-01-04T16:22:06	2003-01-04T16:28:24			
Read mode	TIMED	TIMED			

2.3 Aspect



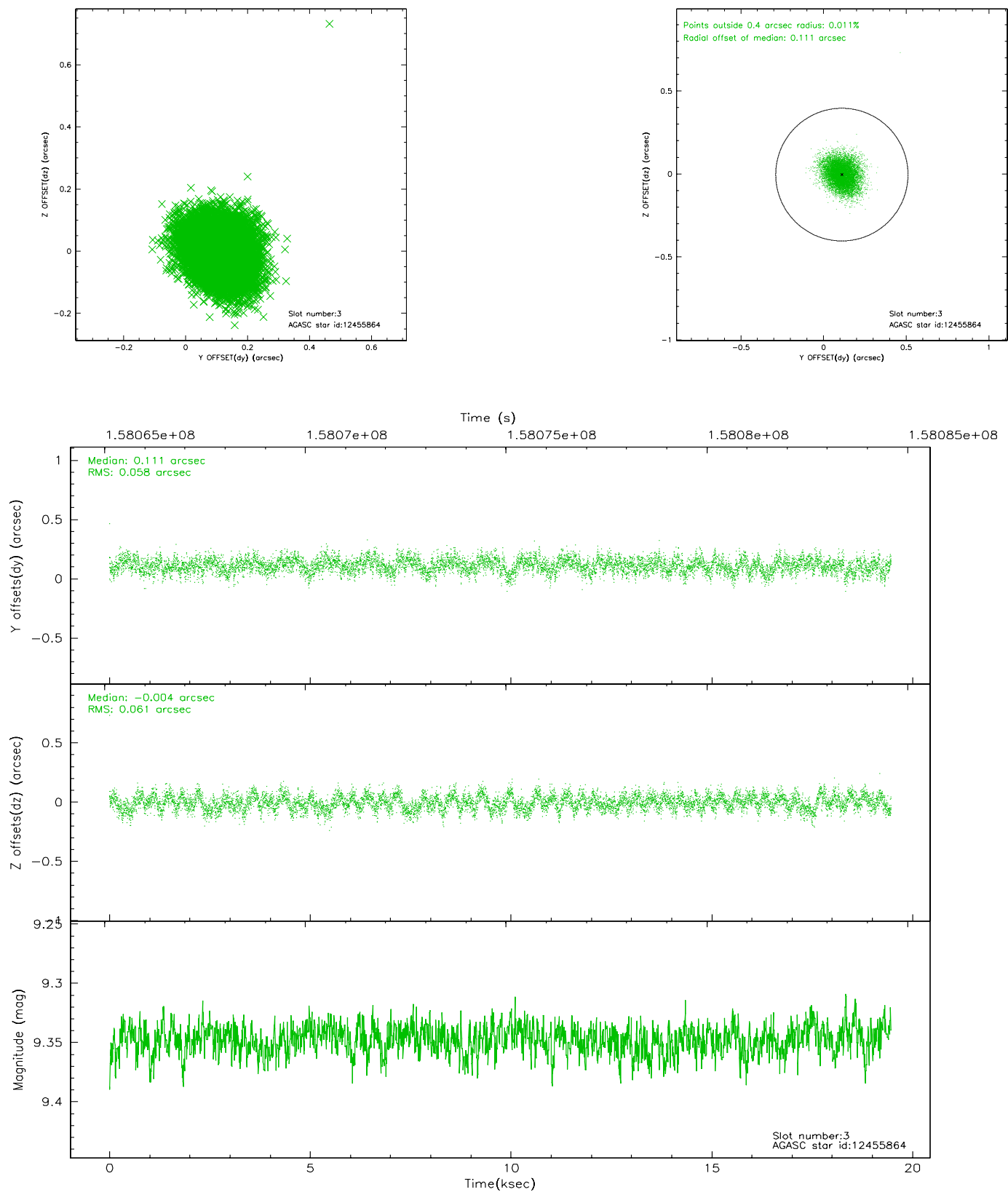


Slot Statistics

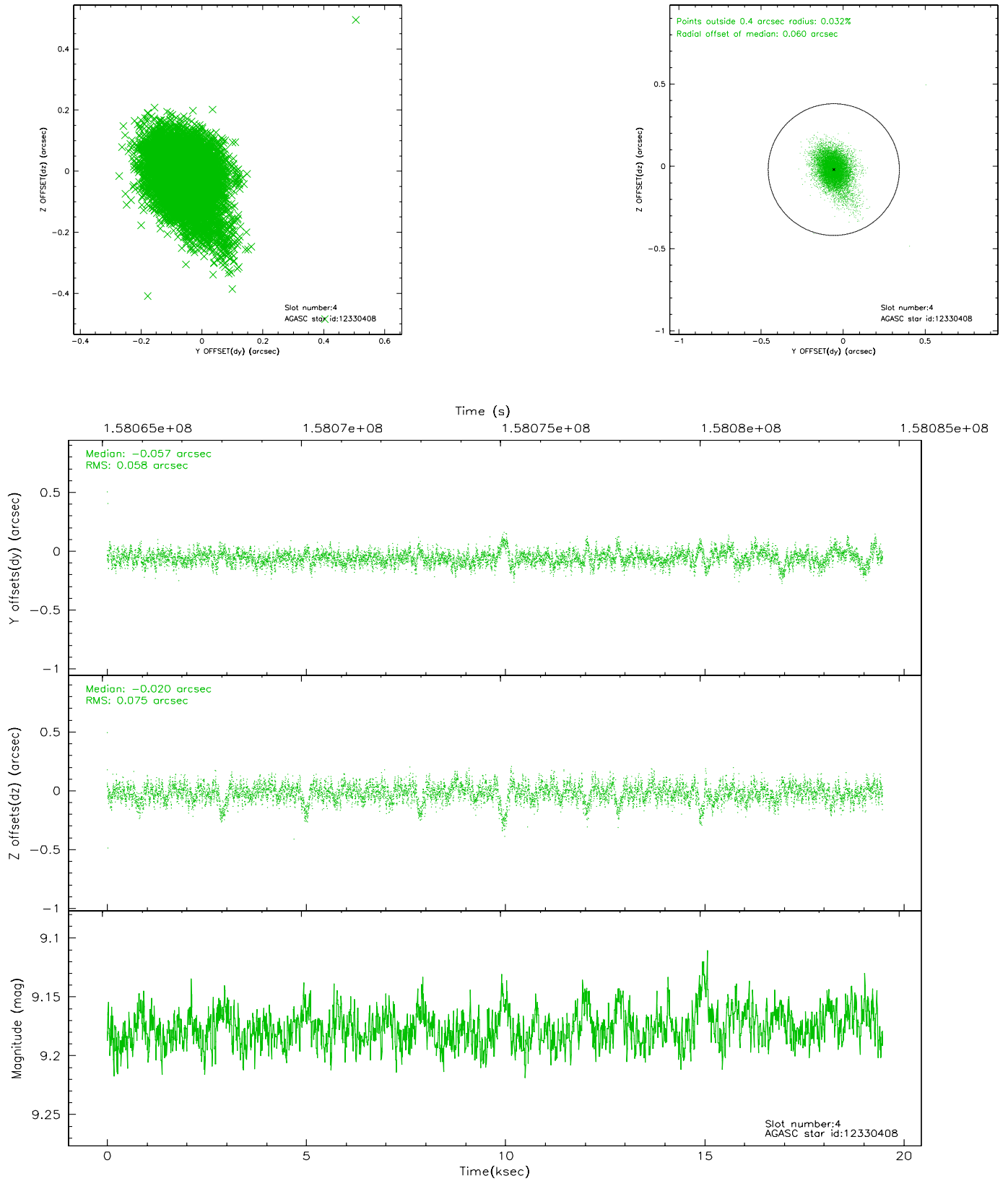
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4750	0.084	-0.039	0.007	0.011	0.000000	0.000000	939.04	-989.02
1	FID	ACIS-I-5	7.22	4749	-0.187	0.096	0.007	0.013	0.000000	0.000000	-1809.20	908.53
2	FID	ACIS-I-6	7.26	4750	0.011	0.014	0.008	0.013	0.000000	0.000000	404.34	1553.14
3	GUIDE	12455864	9.35	9491	0.111	-0.004	0.090	0.144	69.547712	6.609739	1621.04	-1720.40
4	GUIDE	12330408	9.18	9498	-0.057	-0.020	0.095	0.170	69.191517	6.828920	317.75	-2459.57
5	GUIDE	12451872	9.61	9495	0.040	-0.024	0.094	0.155	70.002213	7.321573	149.05	932.32
6	GUIDE	89400416	9.18	9498	-0.036	0.012	0.095	0.157	69.717208	7.929078	-2257.70	1086.90
7	GUIDE	89403544	7.90	9498	-0.061	0.038	0.077	0.114	69.809992	7.987097	-2283.25	1477.39

2.4 Star Slots

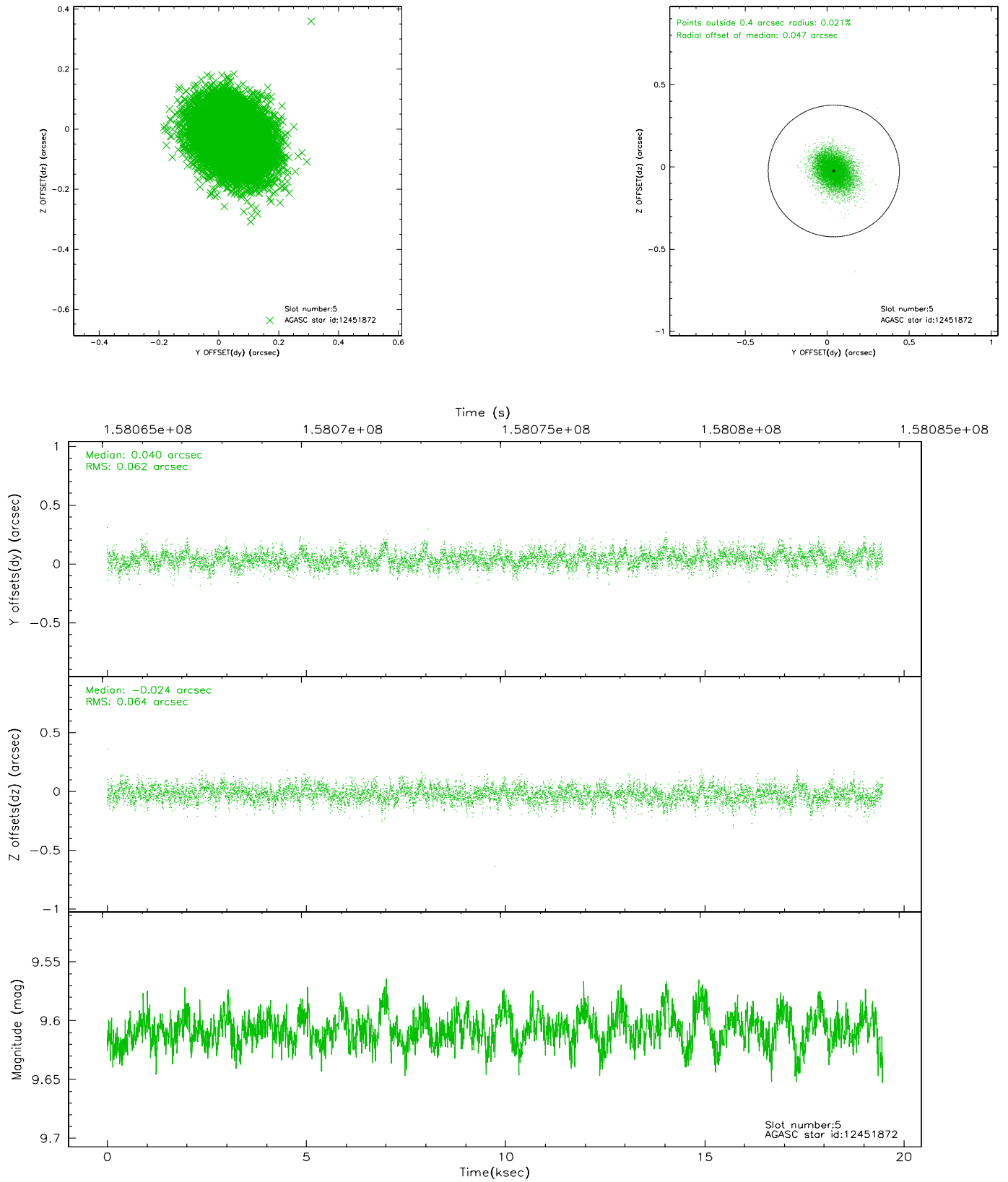
2.4.1 Slot 3



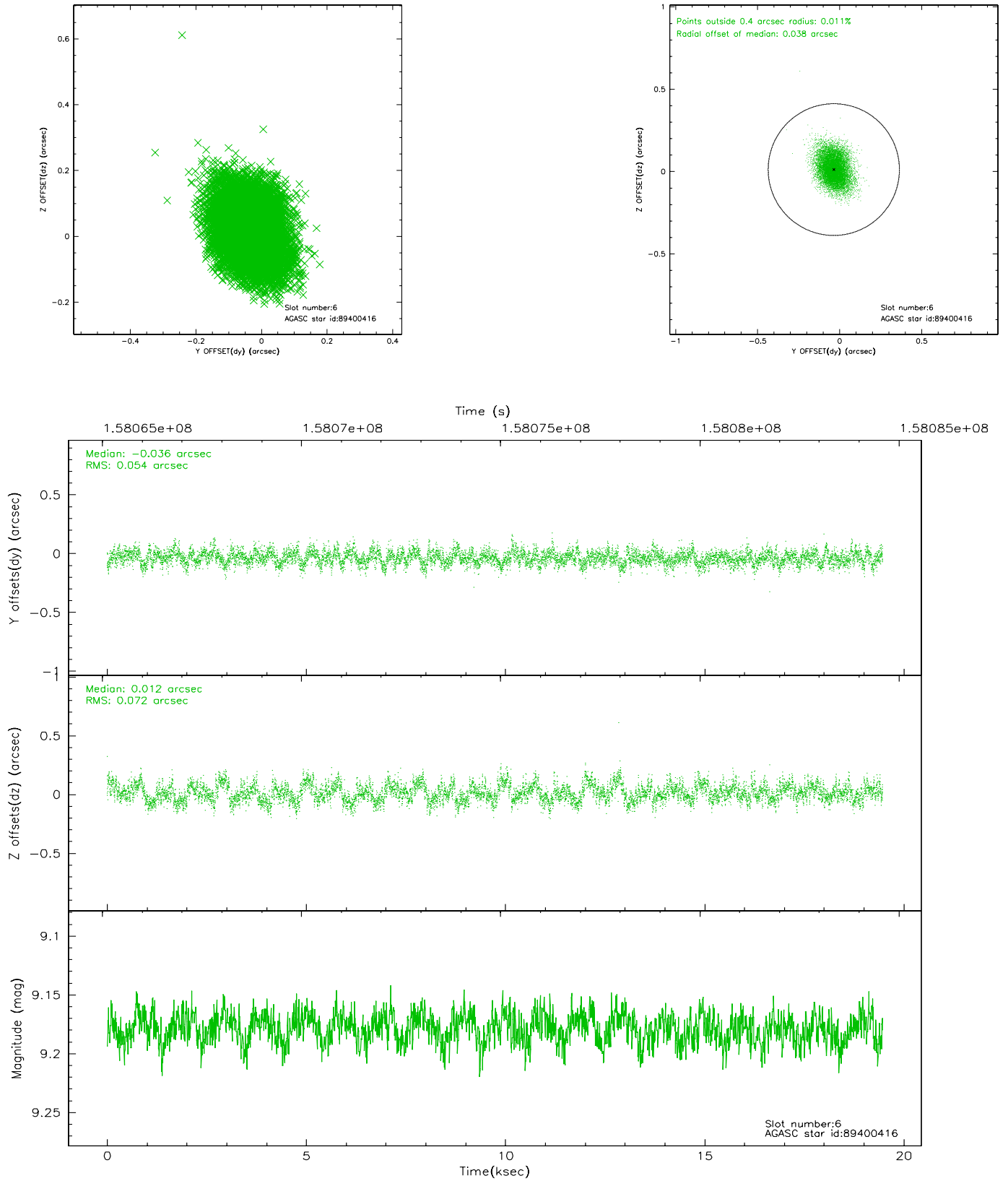
2.4.2 Slot 4



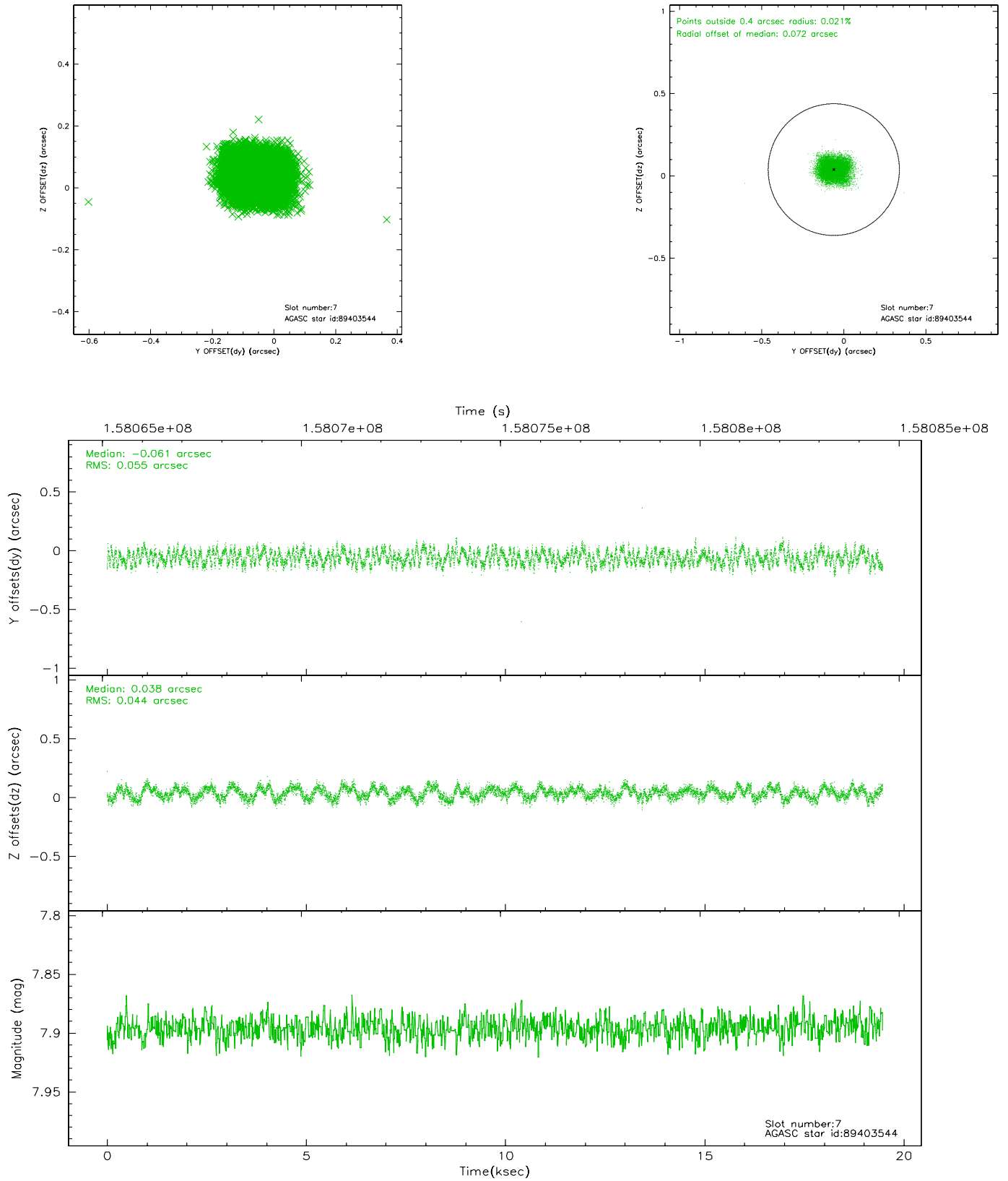
2.4.3 Slot 5



2.4.4 Slot 6

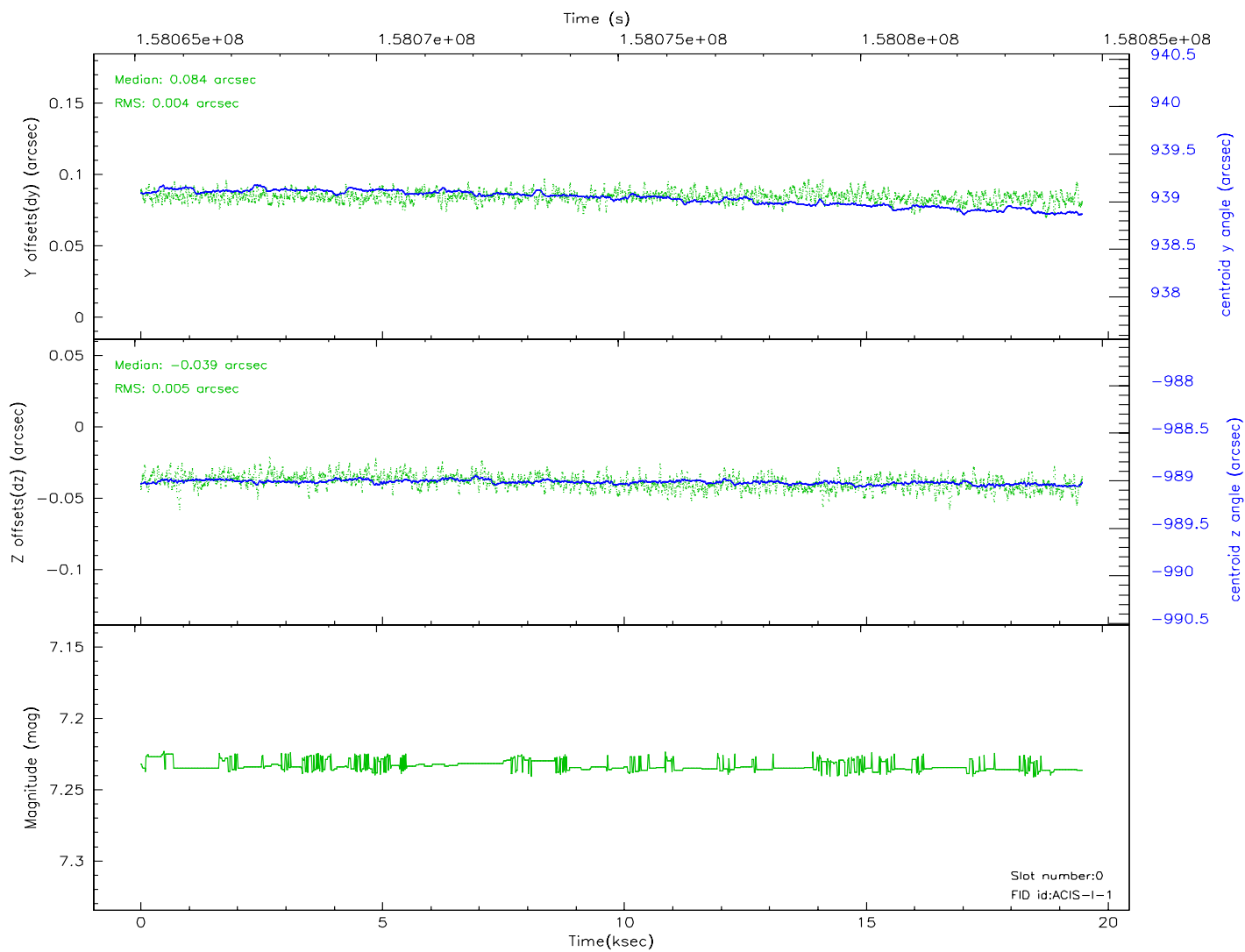
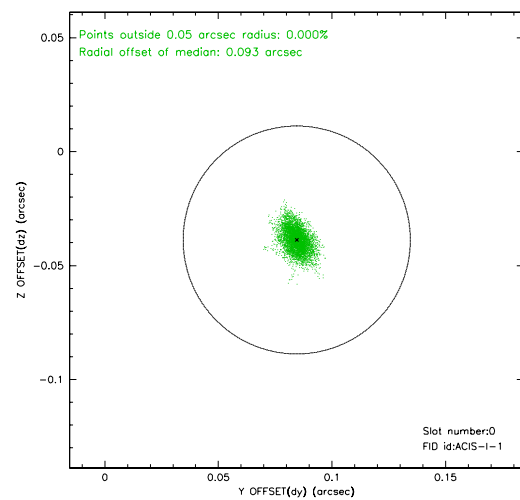
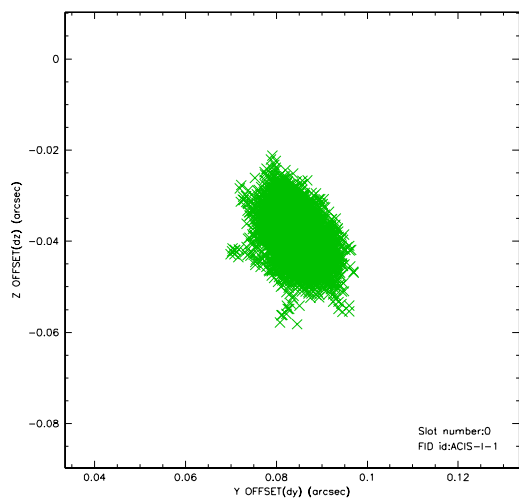


2.4.5 Slot 7

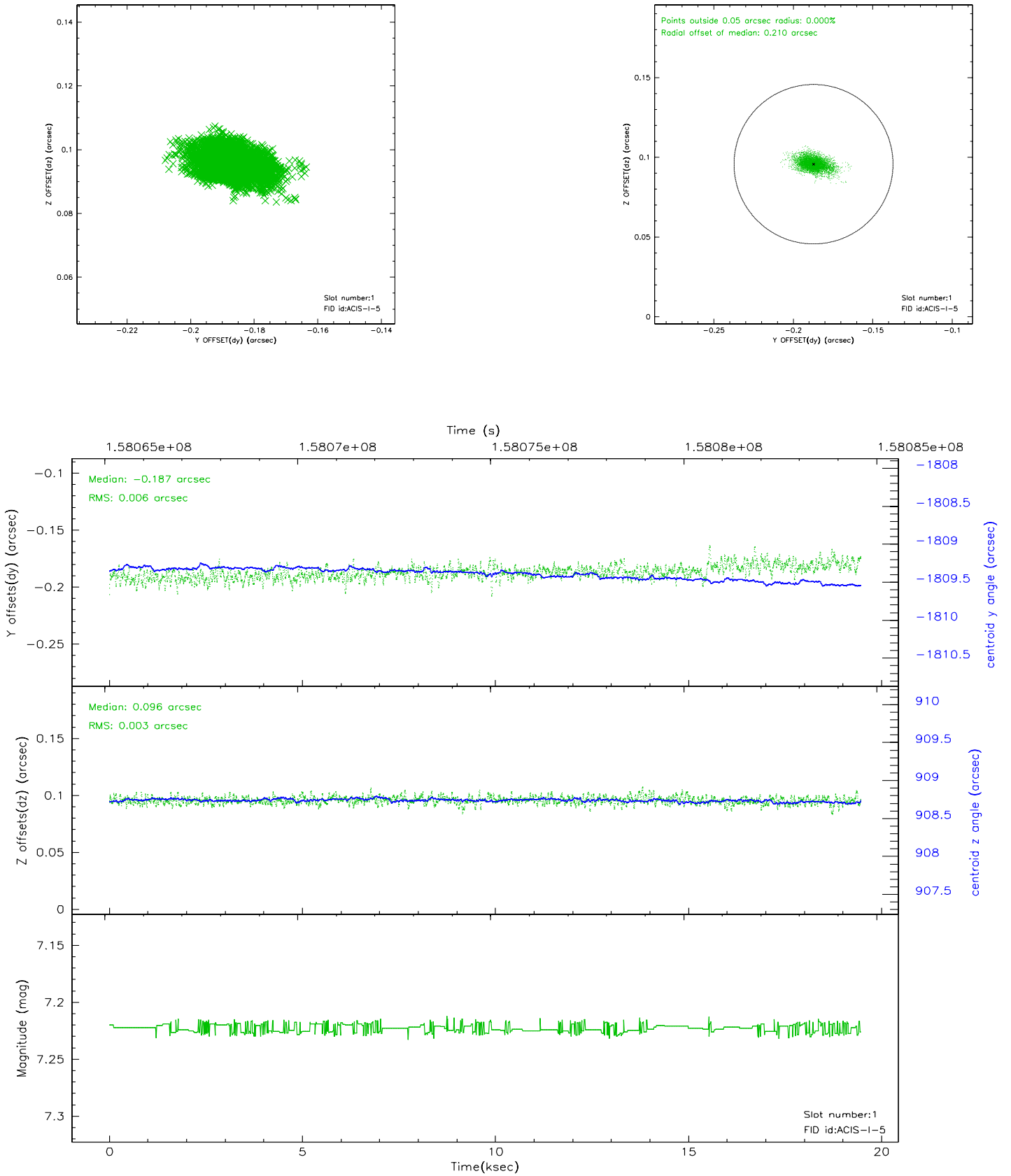


2.5 FID Slots

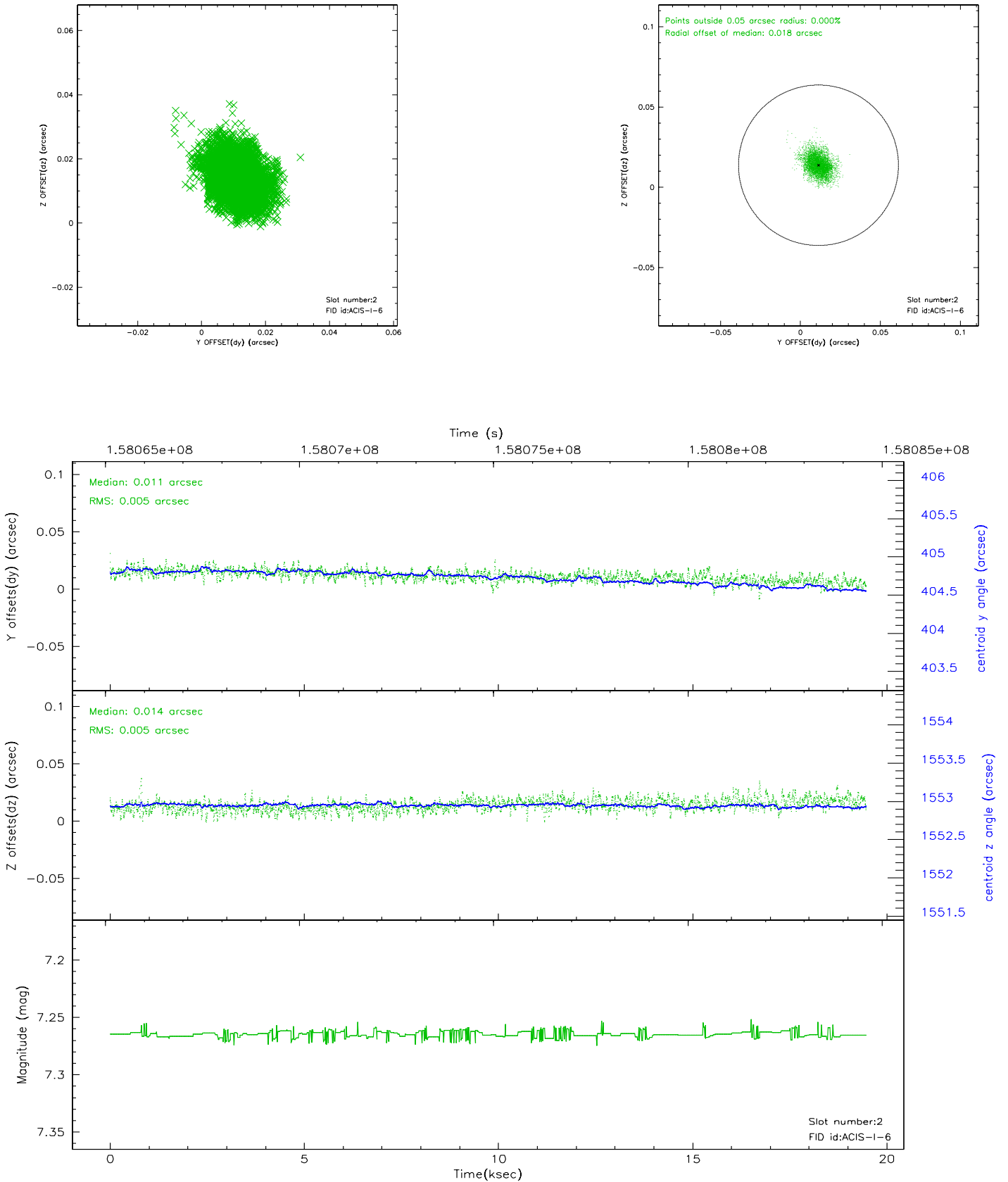
2.5.1 Slot 0



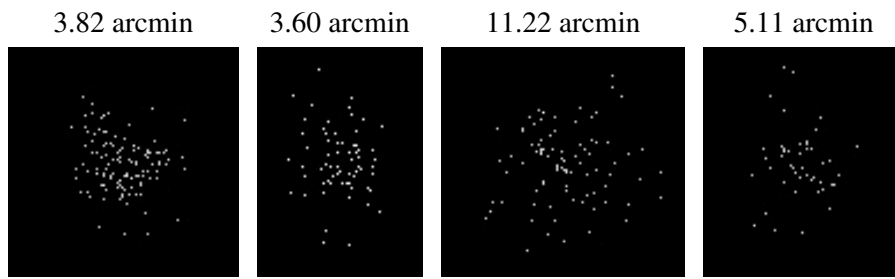
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.468

A.2 Comments

Focal plane temperature is warmer than -118.7 C degrees for the entire observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminatd chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.