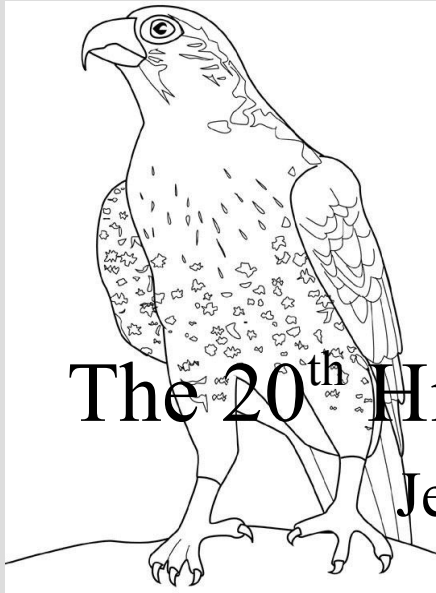# The HAWK

The 20th Hirlam Aladin Workshop in Krakow

Jean-Daniel Gril - 13-16 April 2010

A hawk-eyed last year report

- Geometry package documentation :

  http://www.cnrm.meteo.fr/gmapdoc/spip.php?article204

- Corrected version of LFI/FA design :

  http://www.cnrm.meteo.fr/aladin/spip.php?article127

- Correction of a bug in egg_tools_mod.F90 :

  - This bug (correction in cy36t2) is about computation of the list of possible values of NDLON and NDGL according to $2^n.3^m.5^p$. It occurs when one tries a value of NDLUX/NDGUX such as 245 :

A hawk-eyed last year report (2)

Before

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```
SPECTRAL LIMITS  ( closer best value is => )
Your value is :  245, best limit is :   250, delta is :   5/11
```

IX	Value	Limit	2^n	3^m	5^p
22	117	128	7	0	0
23	133	144	4	2	0
24	139	150	1	1	2
25	149	160	5	0	1
26	151	162	1	4	0
27	169	180	2	2	1
28	181	192	6	1	0
29	189	200	3	0	2
30	205	216	3	3	0
31	229	240	4	1	1
=> 32	239	250	1	0	3
33	245	256	8	0	0
34	259	270	1	3	1
35	277	288	5	2	0
36	289	300	2	1	2
37	309	320	6	0	1
38	313	324	2	4	0
39	349	360	3	2	1
40	373	384	7	1	0
41	389	400	4	0	2
42	421	432	4	3	0

After

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```
SPECTRAL LIMITS  ( closer best value is => )
Your value is:  245, best limit is:   256, delta is :  11/11
```

IX	Value	Limit	2^n	3^m	5^p
23	133	144	4	2	0
24	139	150	1	1	2
25	149	160	5	0	1
26	151	162	1	4	0
27	169	180	2	2	1
28	181	192	6	1	0
29	189	200	3	0	2
30	205	216	3	3	0
31	229	240	4	1	1
32	239	250	1	0	3
=> 33	245	256	8	0	0
34	259	270	1	3	1
35	277	288	5	2	0
36	289	300	2	1	2
37	309	320	6	0	1
38	313	324	2	4	0
39	349	360	3	2	1
40	373	384	7	1	0
41	389	400	4	0	2
42	421	432	4	3	0
43	439	450	1	2	2

A hawk-eyed on next year plans

- Write a documentation on FA design

- Carry on coding Python FA file reader

- Beginning of the VORTEX project which will be a Python developed tool box for operational and research teams. You will be kept informed of progresses as they occur (project guru is Eric Sevault).

Thank you for your attention...