

voir -iment filename

Without the -style option the date shown is the start of the simulation resp. start of ave/accum/min/max interval and levels are coded. If 'DEET' and/or 'NPAS' are 0 the date of origin is the same as the validity date.

variable name			date of origin			Samples: start of simulation			Diags: start of avg/min/max interval			coded level			packing/precision			grid description			
			grid size	grid size	grid size	(DATE-0	h	m	s)	IP1	IP2	IP3	DEET	NPAS	DTY	G	IG1	IG2	IG3	IG4	
0- >>	X	NA4_ERA75_B1	172	1	1	19580101	000000		47222	43692	0	0	0	E 32	E	1375	0	56480	56480		
1- ^^	X	NA4_ERA75_B1	1	160	1	19580101	000000		47222	43692	0	0	0	E 32	E	1375	0	56480	56480		
2- HY	X	NA4_ERA75_B1	1	1	1	19580101	000000	42043040	0	0		1200	1454976	E 32	X	800	1600	0	0		
3- HU	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
4- TT	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
5- HR	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
6- UU	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
7- VV	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
9- PN	P	NA4_ERA75_B1	172	160	1	19580101	000000	0	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
10- P0	P	NA4_ERA75_B1	172	160	1	19580101	000000	0	484299	0		1200	1452897	f 16	Z	47222	43692	0	0		
11- HU	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
12- TT	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
13- HR	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
14- UU	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
15- VV	P	NA4_ERA75_B1	172	160	1	19580101	000000	93423264	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
17- PN	P	NA4_ERA75_B1	172	160	1	19580101	000000	0	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		
18- P0	P	NA4_ERA75_B1	172	160	1	19580101	000000	0	484302	0		1200	1452906	f 16	Z	47222	43692	0	0		

Grid descriptors: >> : longitudes for "Z" grids
 ^^ : latitudes for "Z" grids
 ^> : longitudes & latitudes for YinYang, "U", grids -> toctoc
 HY : parameters for model levels (GEM3)
 !! : parameters for model levels (GEM4/5)

} tictacs } contain horizontal grid description

Each line is one "record"

For Z-grids these 2x three numbers are used by GEM, xrec, r.diag, pgsm etc. to find a matching set of tictacs for a variable to know the grid of the variable.
 A-, B-, L-, and G-grids are self described and do not have tictacs.

voir -style -iment filename

-style => actual (validity) date & decoded level

variable name	grid size			validity date Samples: actual date of data Diags: end of avg/min/max interval	coded validity date	level	level code
NOMV TV ETIQUETTE	NI	NJ	NK	(DATE-V h m s)	STAMP-V	LEVEL	IP1 ...
3- HU P NA4_ERA75_B1	172	160	1	20130401 030000	385513100	diagnostic level	1.5 M 93423264 ...
4- TT P NA4_ERA75_B1	172	160	1	20130401 030000	385513100		1.5 M 93423264 ...
6- UU P NA4_ERA75_B1	172	160	1	20130401 030000	385513100		10 M 93423264 ...
7- VV P NA4_ERA75_B1	172	160	1	20130401 030000	385513100		10 M 93423264 ...
9- PN P NA4_ERA75_B1	172	160	1	20130401 030000	385513100		0 mb 0 ...
10- P0 P NA4_ERA75_B1	172	160	1	20130401 030000	385513100	2D fields	0 mb 0 ...
11- PR P NA4_ERA75_B1	172	160	1	20130401 030000	385513100		0 mb 0 ...
:							
17- I0 P NA4_ERA75_B1	172	160	1	20130401 060000	385513100	soil levels	1 59868832 ...
18- I0 P NA4_ERA75_B1	172	160	1	20130401 060000	385513100		2 59968832 ...
19- I0 P NA4_ERA75_B1	172	160	1	20130401 060000	385513100	arbitrary levels depending on variable!	3 60068832 ...
:							
24- SD P NA4_ERA75_B1	172	160	1	20130401 090000	385511300	surface fractions	1 59868832 ...
25- SD P NA4_ERA75_B1	172	160	1	20130401 090000	385511300		2 59968832 ...
26- SD P NA4_ERA75_B1	172	160	1	20130401 090000	385511300		3 60068832 ...
27- SD P NA4_ERA75_B1	172	160	1	20130401 090000	385511300		4 60168832 ...
28- SD P NA4_ERA75_B1	172	160	1	20130401 090000	385511300		5 60268832 ...
:							
47- TT P NA4_ERA75_B1	172	160	1	20130401 090000	385513100	pressure levels	975 mb 975 ...
48- TT P NA4_ERA75_B1	172	160	1	20130401 090000	385513100		950 mb 950 ...
49- TT P NA4_ERA75_B1	172	160	1	20130401 090000	385513100		925 mb 925 ...

- Surface fractions**
- 1: soil
 - 2: glaciers
 - 3: open ocean
 - 4: marine ice
 - 5: aggregated
 - 6: urban
 - 7: lakes