

HadCM3 Grid Definition:

The orientation is west to east, north to south, except for VECTOR variables (see Page 2 below)

Upper left corner Upper right corner
I=1, J=1 (0.0 E, 90.0 N) I=96, J=1 (356.25 E, 90.0 N)

Lower left corner Lower right corner
I=1, J=73 (0.0 E, 90.0 S) I=96, J=73 (356.25 E, 90.0 S)

The 96 Longitudes

0.0000	3.7500	7.5000	11.2500	15.0000	18.7500	22.5000	26.2500
30.0000	33.7500	37.5000	41.2500	45.0000	48.7500	52.5000	56.2500
60.0000	63.7500	67.5000	71.2500	75.0000	78.7500	82.5000	86.2500
90.0000	93.7500	97.5000	101.2500	105.0000	108.7500	112.5000	116.2500
120.0000	123.7500	127.5000	131.2500	135.0000	138.7500	142.5000	146.2500
150.0000	153.7500	157.5000	161.2500	165.0000	168.7500	172.5000	176.2500
180.0000	183.7500	187.5000	191.2500	195.0000	198.7500	202.5000	206.2500
210.0000	213.7500	217.5000	221.2500	225.0000	228.7500	232.5000	236.2500
240.0000	243.7500	247.5000	251.2500	255.0000	258.7500	262.5000	266.2500
270.0000	273.7500	277.5000	281.2500	285.0000	288.7500	292.5000	296.2500
300.0000	303.7500	307.5000	311.2500	315.0000	318.7500	322.5000	326.2500
330.0000	333.7500	337.5000	341.2500	345.0000	348.7500	352.5000	356.2500

The 73 Latitudes of the grid

90.0000	87.5000	85.0000	82.5000	80.0000	77.5000	75.0000	72.5000
70.0000	67.5000	65.0000	62.5000	60.0000	57.5000	55.0000	52.5000
50.0000	47.5000	45.0000	42.5000	40.0000	37.5000	35.0000	32.5000
30.0000	27.5000	25.0000	22.5000	20.0000	17.5000	15.0000	12.5000
10.0000	7.5000	5.0000	2.5000	0.0000	-2.5000	-5.0000	-7.5000
-10.0000	-12.5000	-15.0000	-17.5000	-20.0000	-22.5000	-25.0000	-27.5000
-30.0000	-32.5000	-35.0000	-37.5000	-40.0000	-42.5000	-45.0000	-47.5000
-50.0000	-52.5000	-55.0000	-57.5000	-60.0000	-62.5000	-65.0000	-67.5000
-70.0000	-72.5000	-75.0000	-77.5000	-80.0000	-82.5000	-85.0000	-87.5000
-90.0000							

See Page 2

Vector Variables

The vector variables such as 10 metre wind are on a slightly different grid, 96 x 72

The grid orientation is west to east, north to south.

Upper left corner Upper right corner
I=1, J=1 (1.875 E, 88.75 N) I=96, J=1 (358.125 E, 88.75 N)

Lower left corner Lower right corner
I=1, J=72 (1.875 E, 88.75 S) I=96, J=72 (358.125 E, 88.75 S)

The 96 Longitudes of the vector grid (e.g. 10m windspeed)

1.87500	5.62500	9.37500	13.1250	16.8750	20.6250
24.3750	28.1250	31.8750	35.6250	39.3750	43.1250
46.8750	50.6250	54.3750	58.1250	61.8750	65.6250
69.3750	73.1250	76.8750	80.6250	84.3750	88.1250
91.8750	95.6250	99.3750	103.125	106.875	110.625
114.375	118.125	121.875	125.625	129.375	133.125
136.875	140.625	144.375	148.125	151.875	155.625
159.375	163.125	166.875	170.625	174.375	178.125
181.875	185.625	189.375	193.125	196.875	200.625
204.375	208.125	211.875	215.625	219.375	223.125
226.875	230.625	234.375	238.125	241.875	245.625
249.375	253.125	256.875	260.625	264.375	268.125
271.875	275.625	279.375	283.125	286.875	290.625
294.375	298.125	301.875	305.625	309.375	313.125
316.875	320.625	324.375	328.125	331.875	335.625
339.375	343.125	346.875	350.625	354.375	358.125

The 72 Latitudes of vector grid (e.g. 10 metre Windspeed)

88.7500	86.2500	83.7500	81.2500	78.7500	76.2500	73.7500	71.2500
68.7500	66.2500	63.7500	61.2500	58.7500	56.2500	53.7500	51.2500
48.7500	46.2500	43.7500	41.2500	38.7500	36.2500	33.7500	31.2500
28.7500	26.2500	23.7500	21.2500	18.7500	16.2500	13.7500	11.2500
8.7500	6.2500	3.7500	1.2500	-1.2500	-3.7500	-6.2500	-8.7500
-11.2500	-13.7500	-16.2500	-18.7500	-21.2500	-23.7500	-26.2500	-28.7500
-31.2500	-33.7500	-36.2500	-38.7500	-41.2500	-43.7500	-46.2500	-48.7500
-51.2500	-53.7500	-56.2500	-58.7500	-61.2500	-63.7500	-66.2500	-68.7500
-71.2500	-73.7500	-76.2500	-78.7500	-81.2500	-83.7500	-86.2500	-88.7500