

**RACMO2.3p2 relevant variable declaration for netcdf output  
MADE BY C.T. van Dalum (2018)**

All described variables have the dimensions [latitude,longitude]

<b>Name</b>	<b>Element of variable</b>	<b>Description and unit</b>
var176	[0,2:16]	Total 14-bands downward flux [W/m <sup>2</sup> ]
var176	[0,16:30]	Total 14-bands upward flux [W/m <sup>2</sup> ]
var176	[0,30:44]	Clear-sky 14-bands downward flux [W/m <sup>2</sup> ]
var176	[0,44:58]	Clear-sky 14-bands upward flux [W/m <sup>2</sup> ]
var176	[0,1]	Total downward shortwave radiation [W/m <sup>2</sup> ]
var71	[0,0]	Total cloud fraction
var76	[0,0]	Liquid water path (LWP) [kg/m <sup>2</sup> ]
var77	[0,0]	Ice water path (IWP) [kg/m <sup>2</sup> ]
var11	[0,1]	2-m temperature [K]
var172	[0,0]	Solar zenith angle (SZA) [degrees]
var91_2	[0,0]	Ice mask
var84	[0,0]	Background albedo of glaciated grid points
var156	[0,-1]	Snow albedo (-1 is the last element)
var218	[0,0]	Melt flux [W/m <sup>2</sup> ]
var67	[0]	Layer thickness, EXTRA DIMENSION: upper 20 layers [m]
var157	[0]	Snow density, EXTRA DIMENSION: upper 20 layers [kg/m <sup>3</sup> ]
var154	[0]	Snow particle radius, EXTRA DIMENSION: upper 20 layers [m]
var153	[0,0]	Fresh snow layer (on top of the other layers) grain size [m]
var70	[0,0]	Fresh snow layer (on top of the other layers) mass [kg]
var156	[0,-2]	Fresh snow layer (on top of the other layers) density (-2 is the last element) [kg/m <sup>3</sup> ]
var1	[0,0]	Surface pressure [Pa]
var156	[0,36]	Cloud optical thickness