



Climate monitoring using ERA-Interim in near real time

Paul Berrisford (2,1), Hitoshi Sato (1), Paul Poli (1), and Dick Dee (1)

(1) ECMWF, Research Department, Reading, United Kingdom (p.berrisford@ecmwf.int), (2) NCAS-Climate, University of Reading, Reading, UK

ERA-Interim, which has produced reanalyses starting in 1989, is now running in near real time and so provides an ideal opportunity to monitor the current climate. Currently, the ECMWF's in house monitoring system includes 1D monthly mean time series of various surface and upper air parameters, such as winds and temperature, for various regions around the globe. There are also time series for various circulation indices such as the NAO and SOI and for the budgets of mass, moisture and energy. In addition, there are monthly mean maps and zonal mean cross sections of the basic parameters. The monitoring system is being expanded to provide a more comprehensive set of products including, for example, 2D time series and measures of the storm-tracks, Hadley Circulation and the stratospheric vortex. An appropriate subset of this system is available on the public website and will be updated with the latest products when possible. The aim of this presentation is to provide examples of current products and discuss future ones.