

ATSR-2 Demonstration Data Products for Continental Australia

Alfredo J. Prata, Robert P. Cechet &
Ian F. Grant

CSIRO Division of Atmospheric Research, Chris T.
Australia
rpc@dar.csiro.au
<http://www.csiro.au/>
url

Rutherford Appleton Laboratory,
England

Abstract

Along-Track Scanning Radiometer (ATSR-2) data of the Australian region acquired over a 35 day repeat cycle in the southern hemisphere spring of 1996, has been used to assemble a cloud-free mosaic image of each of the 6 ATSR-2 channels. Demonstration products such as albedo, land surface temperature, emissivity, aerosol loading and vegetation index are being developed for the Australian region. The demonstration data-set will be used to test new parameterisations for ATSR-2 land surface products and to investigate issues related to atmospheric correction (e.g. aerosols and water vapour effects) and surface directional effects in the visible and IR. Example products and some inter-comparisons with AVHRR will be presented.

Keywords: satellite data products, ATSR, climate

Keywords: ESA European Space Agency - Agence spatiale europeenne, observation de la terre, earth observation, satellite remote sensing, teledetection, geophysique, altimetrie, radar, chimie atmospherique, geophysics, altimetry, radar, atmospheric chemistry