

ROGER SAUNDERS

Roger Saunders started his meteorological career by doing a PhD in atmospheric physics at Imperial College London, on the transmission of the atmosphere at millimetre wavelengths. Before joining the Met Office, he worked in a number of different institutes, including the Rutherford Appleton Laboratory, the European Space Operations Centre and University College London. These jobs all related to making better use of satellite data. In the Met Office, he worked in the Met Research Flight (the precursor to FAAM), where he led the group which made radiation measurements from the C-130 aircraft, and co-ordinated several field campaigns with the aircraft based in the South Atlantic (FATE) and the Mediterranean (MASTEX) to measure water vapour continuum absorption and validate satellite radiometers (i.e. ATSR, AVHRR). He was then appointed as the AMSU-B instrument scientist overseeing the pre-launch testing of the radiometer at Farnborough. During 1995-1999 he was head of the Satellite Section at ECMWF where he had responsibility for making use of new types of satellite data in the NWP model. He took the scientific lead in the ongoing development of a fast radiative transfer model, RTTOV, for assimilating satellite radiances. He also provided advice on the use of satellite data in the ERA-40 reanalysis. He now works at the Met Office at Exeter, heading the Satellite Applications section with the aim of making better use of satellite data for NWP and climate modelling.