NWP SAF

NWPSAF 1D-Var Portability Results

Version 1.1

20th February 2017

NWP SAF 1D-Var Portability Results

This documentation was developed within the context of the EUMETSAT Satellite Application Facility on Numerical Weather Prediction (NWP SAF), under the Cooperation Agreement dated 29 June 2011, between EUMETSAT and the Met Office, UK, by one or more partners within the NWP SAF. The partners in the NWP SAF are the Met Office, ECMWF, KNMI and Météo France.

Change record			
Version	Date	Author/changed by	Remarks
0.1	17/02/14	P. Weston	First version, based on Met Office 1D-Var portability results.
0.2	29/05/14	P. Weston	Updated with new header, new document ID, new copyright statement and changed font following comments from B. Conway
1.0	22/08/14	P. Weston	Version valid for NWPSAF 1D-Var v1.0
1.1	20/02/17	F. Smith	Version valid for NWPSAF 1D-Var v1.1

NWPSAF 1D-Var v1.0
20 February 2017

Compiles and runs under:
NAGWare Fortran 95 compiler version 5.2
Portland Group Fortran 90 compiler version 11.7
Portland Group Fortran 90 compiler version 14.6
Portland Group Fortran 90 compiler version 15.1
Intel Fortran 90 compiler version 12.0.4
GNU Fortran 90 compiler version 4.4.7
GNU Fortran 90 compiler version 4.8.3
GNU Fortran 90 compiler version 4.9.2
GNU Fortran 90 compiler version 6.2.0

Additionally, compilation was tested with Intel Fortran 90 compiler version 17.0

All tests were run on a Dell Precision T3500 running RHEL-6.8 (except for gfortran 4.8.3 and 4.9.2 which were run on different Linux distributions)