

REVIEW AND UPDATE OF ASSIMILATED METEOROLOGICAL DATASET INTERCOMPARISONS

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Brief Abstract:

At the first SPARC Data Assimilation Workshop an effort was initiated to develop and use "process-based diagnostics" for intercomparisons of assimilated meteorological datasets, especially the more commonly used reanalyses and operational products. A review will be presented of recent studies that provide intercomparisons among these datasets, including several studies undertaken specifically as a result of the SPARC effort. Ideas for extending these intercomparison efforts to studies of additional processes, and for possible routine dissemination of results from intercomparisons that may be useful to researchers using the datasets, will be raised for discussion.