

A proposal of the SPARC Reanalysis/Analysis Intercomparison Project (S-RIP)

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Available global reanalysis data sets (8 currently) will be investigated for the major middle atmospheric diagnostics under the collaboration between the SPARC community and the reanalysis centers. The purposes of this project are to have a good communication platform between the SPARC community and the reanalysis centers, to understand the current reanalysis products, and to contribute to future reanalysis improvements in the middle atmosphere region. The project will have three major components: (1) the management team which deals with the overall coordination including the SPARC-reanalysis center connection, (2) the scientific working group which suggests the diagnostics covered and has the responsibility for editing and writing the final report, and (3) all SPARC-related researchers who make the data analysis, write journal papers, and contribute to the final report. The project will hold two or three dedicated workshops, where analysis results are discussed among the SPARC community and the reanalysis centers, and produce the final report as a SPARC report, which reviews the then past and near-future publications. The project duration is expected to be 3-5 years for the first phase. This project will be officially proposed at the SPARC SSG meeting in February 2012.