



Progress Report of the SPARC Reanalysis Intercomparison Project (S-RIP)

29 June 2015 (covering the period from April 2014 to May 2015)

Submitted to the SPARC Scientific Steering Group

Summary:

The S-RIP 2014 Workshop was held at the NOAA Center for Weather and Climate Prediction during 10-12 September, with a joint workshop with the SPARC Data Assimilation activity on 10 September. In April 2014, David Jackson stepped down as an S-RIP co-lead, and at the above workshop, it was agreed that David Tan (ECMWF) become the new co-lead. Masatomo Fujiwara remains the other co-lead. In May 2015, the drafts of Chapters 1 to 4 (all the “basic” chapters) of the S-RIP 2015 Report are being written. In addition, the zeroth order drafts (i.e., outline) of Chapters 5 to 11 (all the “advanced” chapters) of the S-RIP 2018 full Report have been prepared at the S-RIP website’s Wiki area. Some researchers have published S-RIP related journal papers. The S-RIP 2015 Workshop is planned in October 2015 in France.

By December 2015, the S-RIP 2015 Report covering all the “basic” chapters will be finalized, and by May 2016, the drafts of all the “advanced” chapters will be prepared.

Progress and Achievements:

June 2014	The progress report of the S-RIP, covering the period from April 2013 to May 2014), was submitted to the SPARC Scientific Steering Group. http://s-rip.ees.hokudai.ac.jp/pdf/S-RIP_report_201405_v1.pdf
10–12 September 2014	The S-RIP 2014 Workshop was held at the NOAA Center for Weather and Climate Prediction. The SPARC Data Assimilation activity had a workshop in the same location for 8–10 September, with a joint workshop on 10 September. http://s-rip.ees.hokudai.ac.jp/events/meeting2014/ In April 2014, David Jackson stepped down as an S-RIP co-lead. At the workshop, it was agreed that David Tan (ECMWF) become the new co-lead.
December 2014	At the AGU Fall meeting (San Francisco, USA), a reanalysis session, "Reanalysis: Evaluation and Intercomparison", was held (in the Nonlinear Geophysics section). Sean Davis and Masatomo Fujiwara were two of the four conveners of this session. Steven Pawson and Gilbert

	<p>Compo gave invited talks.</p> <p>https://agu.confex.com/agu/fm14/webprogrampreliminary/Session3181.html</p>
January 2015	<p>The progress of the S-RIP was discussed at the SPARC SSG Meeting in Spain. Michaela Hegglin represented the S-RIP.</p> <p>http://s-rip.ees.hokudai.ac.jp/events/ssg2015/</p>
January 2015	<p>The SPARC Newsletter article on the report of the S-RIP and Data Assimilation workshops in September 2014 was published (Errera, Q., M. Fujiwara, C. Long, and D. Jackson: Report from the 10th SPARC data assimilation workshop and the 2014 SPARC Reanalysis Intercomparison Project (S-RIP) workshop in Washington DC, USA. SPARC Newsletter, No.44, 31–38, January 2015).</p> <p>http://www.sparc-climate.org/publications/newsletter/</p> <p>Also, the progress of the S-RIP was reported in Annual Report SPARC 2014 at pages 29-30.</p> <p>http://www.sparc-climate.org/publications/programme-plans/</p>
March 2015	<p>The QBO Modelling and Reanalyses Workshop was held at Victoria BC, Canada during 16-18 March 2015. Some of the researchers working on the S-RIP Chapter 9 (Quasi-Biennial Oscillation and Tropical Variability) were actively involved.</p> <p>http://users.ox.ac.uk/~astr0092/WS_Home.html</p> <p>A SPARC newsletter article describing the workshop will appear in the next SPARC newsletter (July 2015).</p>
March 2015	<p>The location and dates of the next S-RIP Workshop were announced.</p> <p>Location: Université Pierre-et-Marie-Curie, Paris, France.</p> <p>Local host: Bernard Legras.</p> <p>Dates: 12-14 October 2015 (Joint S-RIP – Data Assimilation workshop on 14 October)</p> <p>http://s-rip.ees.hokudai.ac.jp/events/meeting2015/</p>
January-April 2015	<p>At least two S-RIP related journal papers appeared: Mitchell et al. (QJRM: http://doi.org/10.1002/qj.2492) and Lawrence et al. (ACP: http://doi.org/10.5194/acp-15-3873-2015).</p>
May 2015	<p>The drafts of Chapters 1 to 4 (all the “basic” chapters) of the S-RIP 2015 Report are being written.</p> <p>The zeroth order drafts (i.e., outline) of Chapters 5 to 11 (all the “advanced” chapters) of the S-RIP 2018 full Report have been prepared at the S-RIP website’s Wiki area.</p> <p>(See http://s-rip.ees.hokudai.ac.jp/report/schedule.html for basic/advanced chapters.)</p>
Almost every month	<p>Quasi-monthly “S-RIP News” emails were sent from the S-RIP co-leads to all the S-RIP colleagues.</p>
Almost every week	<p>Necessary updates were made to the S-RIP website (http://s-rip.ees.hokudai.ac.jp/) by Masatomo Fujiwara and Jonathon Wright.</p>

Plans for next 12 months:

October 2015	S-RIP 2015 Workshop will be held at Université Pierre-et-Marie-Curie, Paris, France. http://s-rip.ees.hokudai.ac.jp/events/meeting2015/
December 2015	Publication of the S-RIP 2015 Report covering Chapters 1 to 4 (the “basic” chapters).
December 2015	A reanalysis intercomparison session (in the Atmospheric Sciences section) is planned at the AGU Fall Meeting (Sean Davis and Masatomo Fujiwara were two of the four conveners of this session).
May 2016	First drafts of the “advanced” chapters will be prepared.
Almost every month	Quasi-monthly “S-RIP News” emails are sent to all the S-RIP colleagues.
Almost every week	Necessary updates are made to the S-RIP website (http://s-rip.ees.hokudai.ac.jp/) by Masatomo Fujiwara and Jonathon Wright.