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***Interactive comment on* “Comparisons of polar processing diagnostics from 34 years of the ERA-Interim and MERRA reanalyses” by Z. D. Lawrence et al.**

Z. D. Lawrence et al.

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We thank Craig for his comments and discussion regarding our manuscript. In addition to the changes we made based on Simon Chabrilat’s review, we have added a reference to the 2012 S-RIP proposal (Fujiwara et al., 2012), and the link to the S-RIP website to our manuscript. It is our hope that this paper and these additional references will bring more attention to the importance of intercomparisons and the S-RIP project as a whole.

We can also confirm that we now have the JRA-55 and CFSR datasets available, and

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have begun using them. As we mention in our conclusions, we will soon extend this study to both of these datasets. Our next study will thus be even more comprehensive, and will focus less on the definitions of the diagnostics, and more on the critical inter-comparisons of the most recent reanalyses. We hope to also include GMAO's newest MERRA-2 dataset, which we will have access to soon.

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 31361, 2014.

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