Supplement to:

Moores, E.M., Simmons, N., Basu, A.R., and Gregory, R.T., 2021, The Indian Ocean, its suprasubduction history, and implications for ophiolites, *in* Wakabayashi, J., and Dilek, Y., eds., Plate Tectonics, Ophiolites, and Societal Significance of Geology: A Celebration of the Career of Eldridge Moores: Geological Society of America Special Paper 552, https://doi.org/10.1130/2021.2552(1).

This supplement adds several REE plots of individual ophiolites.



Figure S1. REE plot for Dajiweng and Bar ophiolites. Note Rb and Ba enrichment in two groups of samples. The lower group is essentially similar to NMORB. The small Nb and Ta depletions in the lower group are very minor and are not seen in the upper group that clearly are not of arc origin.



Figure S2. REE plot for Dangqiong ophiolite. This diagram shows essentially a NMORB-like pattern.



Figure S3. REE plot for Dazhuka-Dazhuqu ophiolite. This plot shows a small depletion in some values of Nb, but the rest of the elemental plattern is flat, unlike arc basalts. The small depletion in some members in Nb could also result from analytical errors, as these high field strength elements are hard to analyze by ICPMS.



Figure S4. REE plot for Langceling and Luobusha ophiolites. Theese plots show Nb depletions but the rest of the elements are flat like NMORB.



Figure S5. REE plot for Neyriz ophiolite. Note that the diagram shows Ba enrichment, a little Nb depletion, but rest of the elemental pattern is flat like N-MORB. Thus it is neither arc-like nor SSZ-like.



Figure S6. NMORB normalized REE plot for Troodos and Corsica ophiolites. Troodos shows only one sample with a small amount of Ta depletion. The rest are flat, close to NMORB-like.



Figure S7. REE plot for Xialu ophiolite. This diagram shows some Rb enrichment, but the rest of the elements are NMORB-like.