



UNIVERSITY OF LEEDS

This is a repository copy of *A global transition to ferruginous conditions in the early Neoproterozoic oceans*.

White Rose Research Online URL for this paper:
<http://eprints.whiterose.ac.uk/87451/>

Version: Supplemental Material

Article:

Guilbaud, R, Poulton, SW orcid.org/0000-0001-7621-189X, Butterfield, NJ et al. (2 more authors) (2015) A global transition to ferruginous conditions in the early Neoproterozoic oceans. *Nature Geoscience*, 8 (6). pp. 466-470. ISSN 1752-0908

<https://doi.org/10.1038/ngeo2434>

Reuse

Items deposited in White Rose Research Online are protected by copyright, with all rights reserved unless indicated otherwise. They may be downloaded and/or printed for private study, or other acts as permitted by national copyright laws. The publisher or other rights holders may allow further reproduction and re-use of the full text version. This is indicated by the licence information on the White Rose Research Online record for the item.

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



eprints@whiterose.ac.uk
<https://eprints.whiterose.ac.uk/>

Table S2: Input parameters (mol/Ma) used in our box model. Modern input parameters are from Adams et al. (2010). See the main supplementary text for a full discussion on the input parameters and their associated isotopic compositions.

	Modern	Scenario 1	Scenario 2	Scenario 3
F _w	0.98 x 10 ¹⁸	1.47 x 10 ¹⁸	0.49 x 10 ¹⁸	0.65 x 10 ¹⁷
F _v	0.33 x 10 ¹⁸	0.10 x 10 ¹⁸	0.10 x 10 ¹⁸	0.10 x 10 ¹⁸
F _m	0.20 x 10 ¹⁸	0.20 x 10 ¹⁸	0.20 x 10 ¹⁸	0.20 x 10 ¹⁸
F _{input}	1.51 x 10 ¹⁸	1.77 x 10 ¹⁸	0.79 x 10 ¹⁸	3.65 x 10 ¹⁷
F _{py}	0.68 x 10 ¹⁸	1.68 x 10 ¹⁸	0.75 x 10 ¹⁸	3.47 x 10 ¹⁷ to 3.62 x 10 ¹⁷
F _{evap}	0.83 x 10 ¹⁸	8.85 x 10 ¹⁶	3.95 x 10 ¹⁶	0.18 x 10 ¹⁷