**Supplementary material S4: Integrated litho-, chemo- and sequence stratigraphy of the Ediacaran Gametrail Formation across a shelf-slope transect in the Wernecke Mountains, Yukon, Canada**

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***Rhenium-Osmium (Re-Os) isochron (JB1714-31.3)***



***Re and Os elemental abundance and isotopic composition data for isochron regressions (JB1714-31.3)***

Uncertainties are given at 2σ for 187Re/188Os and 187Os/188Os and 192Os. The uncertainty includes the 2 SE uncertainty for mass spectrometer analysis plus uncertainties for Os blank abundance and isotopic composition.

aRho is the associated error correlation (Ludwig, 1980).

bOs*i* = initial 187Os/188Os isotope ratio calculated at 566 Ma.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Batch/Sample** | **Re (ng/g)** | **±** | **Os (pg/g)** | **±** | **192Os (pg/g)** | **±** | **187Re/188Os** | **±** | **187Os/188Os** | **±** | **rhoa** | **Os*i*b** |
| JB1714-R 0.1 | 0.89 | 0.004 | 126.5 | 0.4 | 48.7 | 0.2 | 36.51000 | 0.22935 | 0.68032 | 0.00389 | 0.45098 | 0.334 |
| JB1714-C -0.2 | 2.39 | 0.008 | 235.8 | 0.8 | 89.1 | 0.3 | 53.36034 | 0.26645 | 0.83979 | 0.00436 | 0.51592 | 0.334 |
| JB1714-L -0.7 | 0.76 | 0.004 | 141.5 | 0.5 | 55.1 | 0.2 | 27.45163 | 0.17183 | 0.59355 | 0.00311 | 0.41920 | 0.333 |
| JB1714-0 | 1.59 | 0.015 | 163.4 | 0.6 | 61.9 | 0.2 | 51.23080 | 0.50435 | 0.81345 | 0.00397 | 0.25183 | 0.328 |
| JB1714-0.3 | 1.21 | 0.009 | 128.9 | 0.4 | 48.9 | 0.2 | 49.08169 | 0.41112 | 0.79654 | 0.00390 | 0.29740 | 0.332 |
| JB1714R+0.8 | 1.18 | 0.006 | 57.7 | 0.2 | 20.3 | 0.1 | 115.84578 | 0.70105 | 1.43417 | 0.00700 | 0.48223 | 0.337 |