

Data Repository Item for manuscript: *Consistent olivine Mg# in cratonic mantle reflects Archaean mantle melting to the exhaustion of orthopyroxene by Stefan Bernstein, Peter B. Kelemen and Karen Hanghøj.*

References to data sources:

Fig. 1.

Data sources for xenolith suites:

Xenolith data: U=Ubekendt: Bernstein et al. (2006); W=Wiedemann: Bernstein et al. (1998); Sa=Sarfartoq: Garrit (2002); Wy=Wyoming: Eggler et al. (1987) and Eggler pers. comm. (1998); T=Tanzania: Lee and Rudnick (1999); K=Kaapvaal: Boyd et al. (1999); Sl=Slave: Kopylova and Russell (2000), Kopylova and Caro (2004); Si=Siberia: Boyd et al. (1997).

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Fig. 2.

Data sources for diamond inclusions of olivine and spinel:

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Fig. 3.

Xenolith data, see references to Fig. 1, above. Diamond inclusion data, see references to Fig. 2, above.

Experimental data as referred to in legend:

Walter (1998); T (1993)=Takahashi et al. (1993); H&K (1993)=Hirose and Kushiro (1993); H&K (1995)=Hirose and Kawamoto (1995); B&S (1994)= Baker and Stolper (1994).

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