

## **Os Isotope Climate Studies Using a New Dynamic Multi-collector ICPMS Technique**

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We have recently developed a new high-precision analytical technique using the new multicollector ICPMS in Rick Fairbanks' lab, which we will report at the YM Goldschmidt Conference in August (Hemming et al. 1999). The method results in a major increase in the time efficiency of Os isotope analyses, which will allow the high resolution necessary for climate-related studies. Thus far, we have only analyzed Os standard solutions. Rick has been generous in giving us free analytical time for methods development. But the lab costs are expensive, normal charges are \$500/day. In order to obtain outside funding we need preliminary data on geological samples. We request here only support for lab expenses in order to obtain the preliminary data needed to validate the method.