The Data in this folder are from these publications:

2008 Pertermann M., Whittington A.G., Hofmeister A.M., Spera F.J., and Zayak J. Thermal diffusivity of low-sanidine single-crystals, glasses and melts at high temperatures. *Contrib. Mineral. Petrol. 155*, 689-702 DOI: 10.1007/s00410-007-0265-x

2009 Hofmeister A.M., Whittington A.G. Transport properties of high albite crystals, near-endmember feldspar and pyroxene glass, and their melts to high temperature. Contrib. Mineral. Petrol. 158, 381-400. DOI: 10.1007/s00410-009-0388-3

**See Crystals Database File in metadata folder for complete list of Crystal samples/compositions and references.**

**Data collected at Washington University, St. Louis, MO**

**Supported by NSF Funding – EAR1524495**

Files for Petermann 2008

Diffusivity of orthoclase crystals – Thermal diffusivity of orthoclase single crystal for OFD faces: square [010], triangle [001] and diamond [100]\* (Figure 4/8)

Raw Probe Data

|  |  |
| --- | --- |
| **Sample** | **Filename** |
| Un 3 Orthoclase M2 | Orthoclase Crystal Probe |

Files for Hofmeister 2009

Diffusivity of Amelia Albite – Thermal diffusivity of single-crystal Amelia albite [010], [001] and [100]\* (Figure 5)

Raw Probe Data. This is Amelia albite. Many chemical analysis can be found in the literature.

Files are also included of unpublished data on sunstone and calculated thermal conductivity from

Branlund J.M. and A.M. Hofmeister. 2012 Heat transfer in plagioclase feldspars. American Mineraogist, 97, 1145-1154.