**Olivine Thermometers and Hygrometers**

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| --- | --- | --- | --- | --- |
| Reference | Name in Thermobar | T-dependent? | P-dependent? | H2O-dependent? |
| **Olivine-Liquid thermometry. *Function “calculate\_ol\_liq\_temp”*** | | | | |
| Putirka (2008) | T\_Put2008\_eq19 |  | **🗸** | **✗** |
| T\_Put2008\_eq21 | **🗸** | **🗸** |
| T\_Put2008\_eq22 | **🗸** | **🗸** |
| Beattie (1993) | T\_Beatt93\_ol | **🗸** | **✗** |
| T\_Beatt93\_ol\_HerzCorr | **🗸** | **✗** |
| Sisson and Grove (1992) | T\_Sisson1992 | **🗸** | **✗** |
| Pu et al. (2017) | T\_Pu2017 | **✗** | **✗** |
| Pu et al. (2021) | T\_Pu2021 | **🗸** | **✗** |
| **Olivine-Liquid hygrometers. *Function “calculate\_ol\_liq\_hygr”*** | | | | |
| Gavrilenko et al. (2016) | H\_Gavr2016 | **✗** | **✗** |  |
| **Olivine-Spinel thermometry. *Function “calculate\_ol\_sp\_temp”*** | | | | |
| Coogan et al. (2014) | T\_Coogan2014 |  | **✗** | **✗** |
| Wan et al. (2008) | T\_Wan2008 | **✗** | **✗** |