|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reference | Name in ThermoBar | Temperature-dependent? | Pressure-dependent? | H2O-Dependent? |
| **Amphibole-Liquid Barometers. *Function “calculate\_amp\_liq\_press”*** | | | | |
| Putirka (2016) | P\_Put2016\_eq7a | No |  | Yes\* |
| P\_Put2016\_eq7b | No |  |
| P\_Put2016\_eq7c | No |  |
| **Amphibole-Liquid Thermometers. *Function “calculate\_amp\_liq\_temp”*** | | | | |
| Putirka (2016) | T\_Put2016\_eq4b |  | No | Yes\* |
| T\_Put2016\_eq4a\_amp\_sat | No | Yes\* |
| T\_Put2016\_eq9 | No | Yes\* |
| **Amphibole-only Barometers. *Function “calculate\_amp\_only\_press”*** | | | | |
| Ridolfi and Renzulli (2012) | P\_Ridolfi2012\_1a | No |  | No |
| P\_Ridolfi2012\_1b | No | No |
| P\_Ridolfi2012\_1c | No | No |
| P\_Ridolfi2012\_1d | No | No |
| P\_Ridolfi2012\_1e | No | No |
| Ridolfi et al. (2010) | P\_Ridolfi2010 | No | No |
| Hammerstrom & Zen, 1986 | P\_Hammerstrom1986\_eq1 | No | No |
| P\_Hammerstrom1986\_eq2 | No | No |
| P\_Hammerstrom1986\_eq3 | No | No |
| Hollister et al. 1987 | P\_Hollister1987 | No | No |
| Johnson & Rutherford, 1989 | P\_Johnson1989 | No | No |
| Blundy et al. 1990 | P\_Blundy1990 | No | No |
| Schmidt 1992 | P\_Schmidt1992 | No | No |
| Anderson & Smith, 1995 | P\_Anderson1995 | **Yes** | No |
| **Amphibole-only Thermometers. *Function “calculate\_amp\_only\_temp”*** | | | | |
| Putirka (2016) | T\_Put2016\_eq5 |  | No | No |
|  | T\_Put2016\_eq6 | No | No |
|  | T\_Put2016\_SiHbl | No | No |
|  | T\_Put2016\_eq8 | **Yes** | No |
| Ridolfi and Renzuli, 2012 | T\_Ridolfi2012 | **Yes** | No |
| **Other Functions** | | | | |
| ***calculate\_amp\_liq\_press\_temp*:** Iteratively solves P and T for liquid-amphibole pairs using an equation for pressure, and an equation for temperature.  **calculate\_amp\_only\_press\_temp:** Iteratively solves P and T for amphibole compositions using an equation for pressure, and an equation for temperature. | | | | |