**Orthopyroxene Thermobarometers**

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| --- | --- | --- | --- | --- |
| Reference | Name in ThermoBar | T-dependent? | P-dependent? | H2O-dependent? |
| **Orthopyroxene-Liquid Barometry. *Function “calculate\_opx\_liq\_press”*** | | | | |
| Putirka (2008) | P\_Put2008\_eq29a | **🗸** |  | **🗸** |
| P\_Put2008\_eq29b | **🗸** | **🗸** |
| Putirka Supplement New “Global” calibrations | P\_Put\_Global\_Opx | **✗** | **✗** |
| P\_Put\_Felsic\_Opx | **✗** | **✗** |
| **Orthopyroxene-Liquid Thermometry. *Function “calculate\_opx\_liq\_temp”*** | | | | |
| Putirka (2008) | T\_Put2008\_eq28a |  | **🗸** | **🗸** |
| T\_Put2008\_eq28b\_opx\_sat | **🗸** | **🗸** |
| **Orthopyroxene-only Barometry. Function “calculate\_opx\_only\_press”** | | | | |
| Putirka (2008) | P\_Put2008\_eq29c | **🗸** |  | **✗** |
| **Other Functions** | | | | |
| ***calculate\_opx\_liq\_press\_temp():*** Iteratively solves P and T for opx-liq pairs.  **calculate\_opx\_liq\_press\_temp\_matching():** Calculates P and T for all possible opx-liquid pairs. **calculate\_opx\_rhodes\_diagram\_lines():** Calculates equilibrium lines for a range of melt Mg#s. | | | | |

**Two Pyroxene Thermobarometers**

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| Reference | Name in ThermoBar | T-dependent? | P-dependent? | H2O-dependent? |
| **Orthopyroxene-Clinopyroxene Barometry. *Function “calculate\_cpx\_opx\_press”*** | | | | |
| Putirka (2008) | P\_Put2008\_eq38 | **✗** |  | **✗** |
| P\_Put2008\_eq39 | **🗸** | **✗** |
| **Orthopyroxene-Clinopyroxene Thermometry. *Function “calculate\_cpx\_opx\_press”*** | | | | |
| Putirka (2008) | T\_Put2008\_eq36 |  | **🗸** | **✗** |
| T\_Put2008\_eq37 | **🗸** | **✗** |
| Brey and Kohler (1990) | T\_Brey1990 | **🗸** | **✗** |
| Wells (1977) | T\_Wells1977 | **✗** | **✗** |
| Wood and Banno (1973) | T\_Wood1973 | **✗** | **✗** |
| **Other Functions** | | | | |
| ***calculate\_cpx\_opx\_press\_temp():*** Iteratively solves P and T for opx-cpx pairs.  **calculate\_cpx\_opx\_press\_temp\_matching():** Calculates P and T for all possible opx-cpx pairs. | | | | |