

Type	R17 Name	R17 Reference	G11 name	G11 reference	Available for Antarctica?
Continuous					
	Global surface topography	Amante & Eakins, 2009	Topography	NOAA, 2006	Etopo1/2
	Depth to Moho	Reguzzoni et al., 2013			TODO: Reguzzoni & Sampietro, 2015 instead: <a href="https://www.researchgate.net/profile/Daniele_Sampietro/publication/275331970_GEMMA_v10/data/55379v10.txt">https://www.researchgate.net/profile/Daniele_Sampietro/publication/275331970_GEMMA_v10/data/55379v10.txt</a>
	Lithosphere-asthenosphere boundary	Pasyanos et al., 2014	Lithosphere thickness	Shapiro & Ritzwoller, 2002	Pasyanos14: <a href="https://igppweb.ucsd.edu/~gabi/litho1.0.html">https://igppweb.ucsd.edu/~gabi/litho1.0.html</a>
	Age	Poupinet & Shapiro, 2009			TODO: Artiemieva, 2006 instead: <a href="http://www.lithosphere.info/TC1-age-and-temperature.html">http://www.lithosphere.info/TC1-age-and-temperature.html</a>
	Bougeur gravity anomaly	Balmino et al., 2012			TODO: <a href="http://bgi.omp.obs-mip.fr/data-products/Grids-and-models/wgm2012">http://bgi.omp.obs-mip.fr/data-products/Grids-and-models/wgm2012</a>
	Crustal thickness	Laske, 2013			TODO: <a href="https://igppweb.ucsd.edu/~gabi/crust1.html">https://igppweb.ucsd.edu/~gabi/crust1.html</a> Redundant to “Depth to Moho”?
	Upper mantle density anomaly	Kaban et al., 2004	Up mantle density anomaly	same	
	Magnetic anomaly	Maus et al., 2007			TODO: <a href="https://geomag.us/models/wdmam.html">https://geomag.us/models/wdmam.html</a>
	Thickness of upper crust	Bassin, 2000	Thickness up crust	same	CRUST2.0
	Thickness of lower crust	Bassin, 2000			TODO: <a href="https://igppweb.ucsd.edu/~gabi/crust1.html">https://igppweb.ucsd.edu/~gabi/crust1.html</a>
	Heat production provinces	G11		Heat prod (provinces)	<b>Unavailable</b>
Categorical					
	Age of last thermotectonic event	USGS, 1997	Thermo-tectonic age	same	<b>Unavailable</b>
	Upper Mantle velocity structure	Shapiro & Ritzwoller, 2002	Up mantle velocity structure (class)	same	
	Rock type	Hartmann & Moosdorf, 2012			<b>Unavailable</b>
Proximity					
	Distance to trench	UTIG	Distance to trench	same	
	Distance to transform ridge	UTIG	Distance to transform	same	
	Distance to young rift	Sengor & Natalin, 2001	Distance to young rift	same	
	Distance to volcano (5 nearest)	Siebert & Simkin, 2002	Mean distance to volcanoes	same	
	Distance to ridge	UTIG	Distance to ridge	same	
	Distance to hot spot	Anderson, 2016			TODO: <a href="http://www.mantleplumes.org/CompleateHotspot.html">http://www.mantleplumes.org/CompleateHotspot.html</a>

- R17 = Rezvanbehbahani et al., 2017, G11 = Goutorbe et al, 2011.

Variables are divided into 3 categories according to availability for Antarctica:

- TODO: available and is being collected.
- Unavailable: not found in the literature and *should not be used in training*.
- Other variables: directly from G11.