

- Page 1, line 14: "applying the" instead of using
- Page 1, line 14, maybe add "to the topography and the bathymetry" in between "(...) Gaussians" and "and interpretation (...)".
- Page 1, line 15, maybe add "the" before "interpretation of vertical gravity (...)".
- Page 1, line 16, maybe change "with the aid of these methods" for the applied methods and the published geological observations incorporated.
- Page 1, line 17, morphologies instead of morphology?
- Page 1, line 19, should the verb be in this sentence: "the triple junction (...) developed" or "has been developing"?. Because in line 21, "the onset of the triple junction was (...)".
- Page 1, line 22, maybe add "," after "by this time".
- Page 1, line 27, maybe add "located to the" between "a nearby pole" and "northwest to the".
- Page 1, line 27, "northwest of the" instead of "northwest to the"?
- Page 1, line 33, maybe change "geophysical data" by "topography, bathymetry and gravity data"
- Page 1, line 33, maybe change "reviewed the available geological data" by a sentence that enumerates the incorporated geological data (volcanoes, ML>4 earthquakes,...).
- Page 2, lines 59-60, "Moreover, detailed compression between changes in plate motions and the 59 activity of plumes, suggests new concepts". This needs a bit of rephrasing.
- Page 2, line 64, maybe you can specify an example for "derived from other case of studies".
- Page 2, line 65, delete the "," in between "and" and "the timing of".
- Page 2, line 67, maybe add "and" after "gravity" and add "and incorporated the distribution of offshore" before "magnetic anomalies", add "ML>4" before earthquakes, add "onshore Quaternary" before "volcano distribution".
- Page 2, lines 67-68, Maybe change ". Using these datasets, we" by "in order to"
- Page 3, line 113, add "," after "in these studies"
- Page 3, line 113, delete "s" in changes.
- Page 3, line 115, maybe add "an" before " abrupt plate speed up"
- Page 3, line 116, maybe add "at" before "~65 Ma"
- Page 3, line 116, add "," before "the acceleration"
- Page 3, line 118, maybe change "was" by "were" and "as capable" by "triggering mechanisms of" and "plate kinematics" by "plate kinematic variations" and remove "even trigger".
- Page 4, line 129, maybe remove "at" and change "distance" by "away"
- Page 4, line 141, maybe add "." after "(Fig. 3) and "However,"
- Page 4, line 144, maybe change "current" by "active".
- Page 4, line 157, maybe remove "different".
- Page 5, line 158, maybe remove "location".
- Page 5, line 178, add "the" before "dynamic topography component".
- Page 5, line 181, maybe change "present" by "active".
- Page 5, line 191, maybe add something like "to have occurred" between "is estimated" and "between 20 and 18 Ma)".
- Page 5, line 194, maybe change " developed" by "recognized".
- Page 6, line 201, maybe remove "longitude".
- Page 6, line 204, maybe change "our best knowledge" by "in the literature".
- Page 6, line 206, maybe you can remove "the" before rifting
- Page 6, line 208, add "at" before "~23Ma".

- Page 6, line 212, maybe remove "latitudes" and add "N" after "16°" and "18°".
- Page 6, line 213, maybe remove "latitude" and add "N" after "22°".
- Page 6, add "the" before "opening rate".
- Page 6, line 222, maybe change "the onset of" by "age of".
- Page 6, line 229, maybe change "north" by "northwards".
- Page 6, line 229, maybe add "." before "However".
- Page 6, line 234, maybe change "at different times" by "diachronically" and "when" by "with the onset of".
- Page 6, line 235, maybe change "started" by "occurring".
- Page 7, line 258, change "above" by ">".
- Page 7, line 268, maybe remove "where in Fig. 5" and add "(Fig. 5)" after "grey colours".
- Page 8, line 282, maybe change "less straight" by "irregular"
- Page 8, line 290, maybe change "less sharp" by "smoother" or "gentler"
- Page 8, line 296, maybe change "with" by "within"
- Page 8, line 300, maybe add another figure as reference, because figure 3 does not include BGA and VGG data.
- Page 8, line 304, change "westward" by "westwards".
- Page 8, line 204, maybe change "meeting the" by "running"
- Page 8, line 313, maybe a "to" is missing here because of rewriting and edition.
- Page 8, line 313, maybe add "," after "rift axis".
- Page 8, line 316, maybe change "faulted bathymetry" for "fault activity inferred from the bathymetry".
- Page 9, line 321, maybe add "which" before "steeply"
- Page 9, line 321, maybe add "," after "along the basin".
- Page 9, line 323, maybe you should remove "-" before "1700" if you use deep afterwards.
- Page 9, line 326, maybe remove "intensive" before "seismic activity"
- Page 9, line 331, maybe change "more than" by ">".
- Page 9, line 351, maybe change "bays" for "arcuate rift segments".
- Page 9, line 353, maybe add "rift" before "axial segments".
- Page 10, line 364, maybe change " authors to suggest that this region reflects" for "to the interpretation of this region as"
- Page 10, line 373, maybe add "." before "However".
- Page 10, line 377, maybe add "mainly" after "supported".
- Page 10, younging trend of magmatic??
- Page 10, line 378, maybe remove "and other arguments".
- Page 10, line 388, maybe change "which are spread over a" for "covering"
- Page 11, line 407, maybe add "entirely" before "dictated"
- Page 11, line 426, maybe rephrased to something like " a central BGA high and lateral VGG peaks"
- Page 11, line 431, maybe change "in" by "during"
- Page 11, line 439, maybe change "suggested" by "suggest"
- Page 11, line 440, maybe change "marks" by "recorded".
- Page 12, line 470, remove "between Africa and Arabia" at the end of the sentence, because it is repeated.
- Page 12, line 502, remove "already" and change "showed" by "show"
- Page 12, line 506, remove "ed" from "calculated"
- Page 12, line 519, maybe change "manner" by "tectonic scenario".
- Page 12, line 526, add "s" to "divide".

- Page 12, line 527, maybe change "a synthesis of" by "the"
- Page 12, line 527, maybe add "and" before "gravity" and add "and the integration of published" before "magnetic anomalies (...)"
- Page 12, line 530, maybe add "," before "in contrast to".
- Page 12, line 532, maybe add "Rift" after "Main Ethiopian".
- Page 12, line 538, maybe change "from which the rift develops" by "development".
-