The second round review of 'Non-singular spherical harmonic expressions of geomagnetic vector and gradient tensor fields in the local north oriented reference frame' by Du et al.

The authors have revised the paper properly and I can recommend its publication, but there are still some minor issues, which must be considered and the paper should be corrected accordingly. I will present them below:

The use of language. You should either use American or British not a mixture of them. I suppose that your are writing in American then please correct the followings:

Page 3, Line 34: modelled -> modeled

- Page 4, Line 48: modelling -> modeling
- When you refer to any section or subsection by their number the first letter should be written in capital form for example:

Page 5, Line 70, Page 6, Line 91, section 3 -> Section 3

- Page 16, Lines 259, section 2.1 -> Section 2.1 and section 2.3 -> Section 2.3
- Please use parenthesis using the mathtype or your equation editor and not those from the keyboard in all your equations, this make the mathematical formulae to appear better.
- Please change \$\frac{\partial P\_l^m}{\partial \theta}\$ to \$\frac{dP\_l^m}{d\theta}\$ in all of your equations as the Legendre functions are only function of the co-latitude and you cannot use the partial derivative operator for them.
  Page 17, Line 278, The satellite gradiometry mission is related to the gravity gradiometry and
- has nothing to do with the magnetic field. Please make this sentence clearer!

Best regards Mehdi Eshagh.