

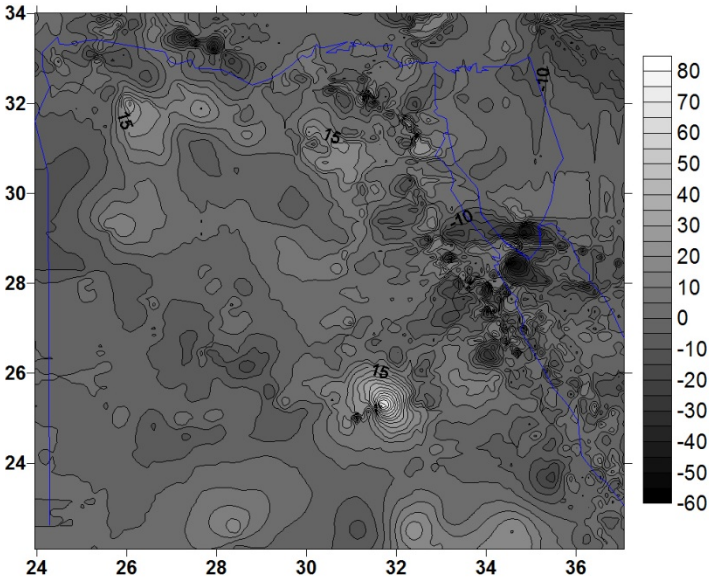

Fig.3 Δgfa residuals referred to Tailored EGXGM2016 with terrestrial data for the whole area of Egypt.

6. CONCLUSION

The results illustrated that the tailored model of XGM2016 denoted as EGXGM2016 has acceptable performance W.R.T the poor, lake and bad distribution of the local data, [illegible] its mean value is [1.56 mgal] the standard deviation is [10.50 mgal] and the range of the reduced gravity anomalies to EGXGM2016 compared with XGM2016 have lesser values by about [43.52 mgal] and the stander deviation is better by 62%. While the external accuracy by using [71 free air gravity anomaly data points] denoted that 54% lesser in terms of stander deviation.

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