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On the cover



## ◊ Articles ◊

- Norcliffe, J., Magee, C., Jackson, C., Kopping, J. and Lathrop, B. "Fault inversion contributes to ground deformation above inflating igneous sills", doi: [10.30909/vol.04.01.0121](https://doi.org/10.30909/vol.04.01.0121).....1
- Nichols, C. and Graettinger, A. "The influence of regional stress and structural control on the shape of maar craters", doi: [10.30909/vol.04.01.2339](https://doi.org/10.30909/vol.04.01.2339).....23
- Di Muro, A., Schwarzmüller, F., Kueppers, U., Heap, M. and Dingwell, D. "Petrophysical characterisation of volcanic ejecta to constrain subsurface lithological heterogeneities: implications for edifice stability at basaltic volcanoes", doi: [10.30909/vol.04.01.4166](https://doi.org/10.30909/vol.04.01.4166).....41
- Maher, S., Matoza, R., de Groot-Hedlin, C., Kim, K. and Gee, K. "Evaluating the applicability of a screen diffraction approximation to local volcano infrasound", doi: [10.30909/vol.04.01.6785](https://doi.org/10.30909/vol.04.01.6785).....67
- Schmid, M., Kueppers, U., Civico, R., Ricci, T., Taddeucci, J. and Dingwell, D. B. "Characterising vent and crater shape changes at Stromboli: implications for risk areas", doi: [10.30909/vol.04.01.87105](https://doi.org/10.30909/vol.04.01.87105).....87

### Vent flux

In this issue, Markus Schmid and co-authors use UAV-derived topographic data to characterise vent evolution at Stromboli Volcano (Italy). They detect significant changes in vent morphology over timescales of days to months, which in turn affects eruption dynamics.

Ultimately, the authors propose iterative revision of risk areas at persistently active volcanic systems such as Stromboli. This image of Stromboli's crater was captured 9th September 2016, at around 18:45 local time, by [Erwan Hesry](#).

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