



Pubblicazioni 2002

- 0822 **Aloisi, M., O. Cocina, G. Neri, B. Orecchio, E. Privitera**, 2002. Seismic tomography of the crust underneath the Etna volcano, Sicily. *Phys. of the Earth and Planet. Int.*, 134, 139-155.
- 0823 **Aloisi, M., M. D'Agostino, K. G. Dean, A. Mostaccio, G. Neri**, 2002. Satellite analysis and PUFF simulation of the eruptive cloud generated by the Mount Etna paroxysm of 22 July 1998. *J. Geophys. Res.*, 27 December 2002.
- 0824 **Amore, M., A. Bonaccorso, F. Ferrari, M. Mattia**, 2002. Eolo: software for the automatic on-line treatment and analysis of GPS data for environmental monitoring, *Computer and Geosciences*, 28, 271-280.
- 0825 **Andronico, D., R. Cioni.**, 2002. Contrasting styles of Mount Vesuvius activity in the period between the Avellino and Pompeii Plinian eruptions, and some implications for assessment of future hazards. *Bull. Volcanol.* Online publication: June 21, 2002.
- 0826 **Azzaro, R., S. D'Amico, A. Mostaccio e L. Scarfi**, 2002. Terremoti con effetti macroseismici in Sicilia Orientale - Calabria Meridionale nel periodo gennaio 1999 - gennaio 2001. *Quaderni di Geofisica*, 27, 60 pp.
- 0827 **Baldi, P., S. Bonvalot, P. Briole, M. Coltellini, K.**, 2002. Validation and comparison of different techniques for the derivation of digital elevation models and volcanic monitoring (Vulcano island, Italy), *International Journal of Remote Sensing*, 23, 22, 5122-5134.
- 0828 **Bonaccorso, A.**, 2002. Ground deformation of the south-central sector of the Aeolian islands arc from geodetic data, *Tectonophysics*, 351, 181-192.
- 0829 **Bonaccorso, A., M. Aloisi, M. Mattia**, 2002. Dike emplacement forerunning the Etna July 2001 eruption modelled through continuous tilt and GPS data, *Geophysical Research Letters*, 29, 13.
- 0830 **Bonforte, A., M. Anzidei, G. Puglisi, M. Mattia, O**, 2002. GPS surveys in the foreland - foredeep tectonic system of southeastern Sicily: first results. *Annals of Geophysics*, 45, 5, 673-682.
- 0831 **Budetta G., D. Carbone, F. Greco**, 2002. Il dispositivo di monitoraggio gravimetrico dell'Etna. Atti del XXI Convegno Nazionale del Gruppo Nazionale di Geofisica della Terra Solida (GNGTS). Roma, 19 -21 Novembre 2002, 245-247.
- 0832 **Budetta, G., D. Carbone, F. Greco**, 2002. Installazione ad alta quota di una stazione gravimetrica in telemetria: applicazioni all'Etna, *Quaderni di Geofisica*, 23 ,8 pp

- 0833 **Calvari, S. and H. Pinkerton**, 2002. Instabilities in the summit region of Mount Etna during the 1999 eruption, *Bulletin of Volcanology*, 63, 526-535.
- 0834 **Calvari, S., M. Pompilio and D. Andronico**, 2002. Stromboli (Italy) Fallout from 23 January explosion carpets popular tourist area. *Bulletin of the Global Volcanism Network*, 27, 1, 14-15.
- 0835 **Corsaro, R.A., M. Neri, & M. Pompilio**, 2002. Paleo-environmental and volcano tectonic evolution of the south-eastern flank of Mt.Etna during the last 225 ka inferred from volcanic succession of the "Timpe", Acireale, Sicily. *J. Volcanol. Geotherm. Res.*, 113, 289-306.
- 0836 **Corsaro, R.A., P. Mazzoleni**, 2002. Textural evidence of peperites inside pillow lavas at Acicastello Castle Rock (Mt. Etna, Sicily). *Journ. Volc. Geoth. Res.*, 114, 219-229.
- 0837 **Del Negro, C., R. Napoli**, 2002. Ground and marine magnetic surveys of the lower eastern flank of Etna volcano (Italy), *J. Volcanol. Geotherm. Res.* 114/3-4, 357-372.
- 0838 **Del Negro, C., R. Napoli, A. Sicali**, 2002. Automated system for magnetic monitoring of active volcanoes, *Bulletin of Volcanology*, 64, 94-99.
- 0839 **Del Negro, C., F. Ferrucci, R. Napoli**, 2002. Marine magnetic investigation of the submarine base of Mt. Etna and Iblei mountains, *Annals of Geophysics*, 45, 2, 361-374.
- 0840 **Di Stefano, A., S. Branca**, 2002. Long-term uplift rate of the Etna volcano basement (Southern Italy) from biochronological data of the Pleistocene sediments. *Terra Nova*, 14, 1, 61-68.
- 0841 **Falsaperla, S., E. Privitera, B. Chouet, P. Dawson**, 2002. Analysis of long period events recorded on Mt. Etna (Italy) in 1992, and their relationship with eruptive activity. *J. Volcanol. Geoth. Res.* 114/3-4, 421-442.
- 0842 **Falsaperla, S., J. Wassermann, F. Scherbaum**, 2002. Polarization analyses of broadband seismic data recorded on Stromboli volcano (Italy) from 1996 to 1999. *Geophys. Res. Letters*. 10.1029/2001GL014300, 22 May 2002.
- 0843 **Gambino, S.**, 2002. Coseismic and aseismic tilt variations on Mount Etna. *Pure and Applied Geophysics*, 159, 11/12, 2751-2762.
- 0844 **Giampiccolo, E., G Tusa., H. Langer, S. Gresta**, 2002. Attenuation in Southeastern Sicily (Italy) by applying different coda methods. *Journal of Seismology*, 6, 487-501.
- 0845 **Gresta, S., H. Langer**, 2002. Assessment of Seismic Potential in South eastern Sicily. In: Brebbia, C. A. ed): *Risk Analysis*, III, WIT Press, Southampton, Boston, 617-626.
- 0846 **Harris, A. J. L., & M. Neri**, 2002. Volumetric observations during paroxysmal eruptions at Mount Etna: pressurized drainage of a shallow chamber or pulsed supply?. *J. Volcanol. Geotherm. Res.*, 116, 79-95.
- 0847 **Miraglia L.**, 2002. Evidence for heterogeneous magmas in the feeding system of the 1763 "Montagnola" eruption at Mount Etna, *Plinius*, 27, 108-112.

- 0848 **Musumeci C., S. Gresta & S.D. Malone**, 2002. Magma System Recharge of Mount St. Helens (USA) from precise relative hypocenter location of microearthquakes. *J. Geophys. Res.*, 107 (B10), 2264, 10.1029/2001JB000629.
- 0849 **Neri G., G. Barberi, B. Orecchio & M. Aloisi**, 2002. Seismotomography of the crust in the transitino zone between the southern Tyrrhenian and Sicilian tectonic domains. *Geophys. Res. Lett.*, Vol. 29, No. 24.
- 0850 **Neri, M.**, 2002. The influence of the Late-Pleistocene Glaciers in the morpho-structural evolution of the Etna Volcano (Sicily-Italy). *Terra Glacialis, Annals of glaciological culture, Serv. Glaciol. Lombardo, Milano*, anno V, 9-32.
- 0851 **Neri, M., M. Rossi**, 2002. Geometria e volume dell'apparato vulcanico etneo: il contributo offerto dall'uso di mappe digitali. *Quaderni di Geofisica*, 20, 9-15.
- 0852 **Oppenheimer, C., MR Burton, J. Durieux, DM. Pyle**, 2002. Open-path Fourier transform spectroscopy of gas emissions from Oldoinyo Lengai volcano, Tanzania, *Optics and Lasers in Engineering*, 37 (2-3), 203-214,
- 0853 **Oppenheimer, C., M. Edmonds, P. Francis and M.R. B**, 2002. The eruption of Soufrière Hills Volcano, Montserrat, from 1995 to 1999. *Geological Society, London, Memoir*, 21, 621-639.
- 0854 **Patanè, D., C. Chiarabba, O. Cocina, P. De Gori., ,** 2002. Tomographic images and 3D earthquakes locations of the seismic swarm preceding the 2001 Mt. Etna eruption: Evidence for a dyke intrusion. *Geophys. Res. Lett.*, 29,10.
- 0855 **Patanè, D., F. Ferrari, E. Giampiccolo e S. Gresta**, 2002. A PC-based computer package for automatic detection and location of earthquakes: application to a seismic network in Eastern Sicily (Italy), *Lecture Notes in Earth Sciences "Methods and applications of signal processing in seismic network operations"*, Springer Verlag, Tetsuo Takanami and Genshiro Kitagawa (Eds), 98, 89-129.
- 0856 **Reitano, D., A. Ursino e H. Langer**, 2002. Technical characteristics of a very broad band seismographic station at Valguarnera (Sicily, Italy). *Rapporti Tecnici INGV*, 4, 10 pp.
- 0857 **Richter, D., M. Erdelyi, R.F. Curl, F.K. Tittel, C**, 2002. Field measurements of volcanic gases using tunable diode laser based mid-infrared and Fourier transform infrared spectrometers, *Optics and Lasers in Engineering*, 37 (2-3), 171-186.
- 0858 **Scribano V., G. Sapienza, S. Calvari, D. Ackerman**, 2002. Tentativo di ricostruzione della colonna litosferica sub-iblea in base agli xenoliti rinvenuti nelle vulcaniti basiche. *Bollettino dell'Accademia Gioenia di Scienze Naturali, Catania*, vol. 35, n. 361, pp. 273-292.
- 0859 **Taddeucci, J., M. Pompilio, P. Scarlato**, 2002. Monitoring the explosive activity of the July-August 2001 eruption of Mt. Etna (Italy) by ash characterization. *Geophysical Research Letters*, 29, 1029-1032.
- 0860 **Tranne, C.A., F. Lucchi, N. Calanchi, G. Lanzafame**, 2002. *Carta geologica dell'Isola di Lipari (Isole Eolie)*, 1: 12.500, Litografia Artistica Cartografica, Firenze.

0861 **Wadge, G., P.W. Webley, I.N. James, R. Bingley, A.**, 2002. Atmospheric models, GPS and InSAR measurements of the tropospheric water vapour field over Mount Etna. *Geophysical Research Letters*, 29, 19.

0862 **Weibring, P., J. Swartling, H. Edner, S. Svanberg,**, 2002. "Optical monitoring of volcanic sulphur dioxide emissions - comparison between four different remote-sensing spectroscopic techniques". *Optical and Lasers in Engineering*, 37, 267-284.