CURRENT

ARCHIVES

SEARCH

Home > Vol 44, No 2 (2001) > **Oshiman**

ANNOUNCEMENTS

ABOUT

Long-term geomagnetic changes observed n association with earthquake swarm activities in the Izu Peninsula, Japan [™]

REGISTER

N. Oshiman, Y. Sasai, Y. Honkura, Y. Ishikawa, S. Koyama

LOGIN

INGV

Abstract

HOME

Anomalous crustal uplift has continued since 1976 in the Izu Peninsula, Japan. Earthquake swarms have also occurred intermittently off the coast of Ito since 1978. Observations of the total intensity of the geomagnetic field in the peninsula started in 1976 to detect anomalous changes in association with those crustal activities. In particular, a dense continuous observation network using proton magnetometers was established in the northeastern part of the peninsula, immediately after the sea-floor eruption off the coast of Ito in 1989. No remarkable swarm activities were observed there from 1990 to 1992. However, after the occurrence of a small swarm in January 1993, five large swarm activities were observed. At some observation sites, we observed a remarkable long-term trend in the total geomagnetic field in association with the change in the distribution pattern in the seismicity of the earthquake swarms.

Keywords

Geomagnetic field;tectonomagneticsm;earthquake swarm;total force

Full Text:

PDF

References

DOI: https://doi.org/10.4401/ag-3588

Published by INGV, Istituto Nazionale di Geofisica e Vulcanologia - ISSN: 2037 - $416\mathrm{X}$

Powered by OJS, engineered and maintained by 4Science.

USER

Username
Password
Remember me

MOST VIEWED

- OPERATIONAL EARTHQUAKE FORECASTING....
- FORECASTING....

 ObsPy What can it do for data...

 Twitter earthquake
- Twitter earthquake detection:...Magnitude and energy
- Magnitude and energy of earthquakesComparison between
- Comparison between low-cost and...

AUTHOR GUIDELINES

EARLY PAPERS

O Vol 61, 2018

FAST TRACKS

Vol 56, Fast Track 1, 2013

Vol 50, Fast Track 2, 2014

Vol 58, Fast Track 3, 2015

Vol 59, Fast Track 4, 2016

Vol 59, Fast Track 5, 2016

Vol 60, Fast Track 6, 2017Vol 60, Fast Track 7, 2017

Vol 60, Fast Track 7, 2017Vol 61, Fast Track 8, 2018

ARTICLE TOOLS

Indexing metadata

How to cite item

Email this article

(Login required)

Email the author (Login required)

ABOUT THE AUTHORS

N. Oshiman
Disaster Prevention
Research Institute, Kyoto
University, Kyoto, Japan

Y. Sasai Earthquake Research Institute, University of Tokyo, Japan

Y. Honkura
Department of Earth and
Planetary Sciences,

We use cookies to ensure that we give you the best experience on our website. If you continue to use this site we will assume that you are happy with it

OK

rch

, Japan

Institute, University of Tokyo, Japan

S. Koyama Earthquake Research Institute, University of Tokyo, Japan

JOURNAL CONTENT



Browse

By Issue

By Issue
By Author

By Title

Journal Help

KEYWORDS

Central Italy
Earthquake GPS
Historical seismology
Ionosphere Irpinia
earthquake Italy Mt.
Etna Seismic hazard
Seismic hazard
assessment
Seismology UN/IDNDR
earthquake
earthquakes
historical
earthquakes
ionosphere magnetic
anomalies
paleoseismology
seismic hazard
Seismicity
seismology

NOTIFICATIONS

View

Subscribe

USAGE STATISTICS INFORMATION

We log anonymous usage statistics. Please read the privacy information for details.