



USER

Username

Password

Remember me

Login

FAST TRACK

- ▶ Vol
56,
Fast
Track
1,
2013
- ▶ Vol
57,
Fast
Track
2,
2014
- ▶ Vol
58,
Fast

ARTICLE TOOLS



Indexing
metadata



How to
cite item



Email
this article
(Login
required)



Email
the author
(Login
required)

ABOUT THE AUTHORS

*Péter
Kovács*
Geological
and
Geophysical
Institute

of
Hungary,
Budapest
Hungary

*András
Csontos*
Geological
and
Geophysical
Institute
of
Hungary,
Budapest
Hungary

*Balázs
Heilig*
Geological
and
Geophysical
Institute
of
Hungary,
Budapest
Hungary

*András
Koppán*
Geological
and
Geophysical
Institute
of
Hungary,
Budapest
Hungary

KEYWORDS

Earthquake

GPS

Historical
seismology

Ionosphere

Irpinia
earthquake

Italy Mt.

Etna

Seismic
hazard

Seismic
hazard

assessment

UN/IDNDR

earthquake

earthquakes

historical

earthquakes

historical

seismology

ionosphere

magnetic

anomalies

paleoseismology

radon

seismic

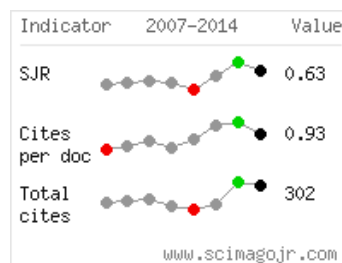
hazard

seismicity

seismology

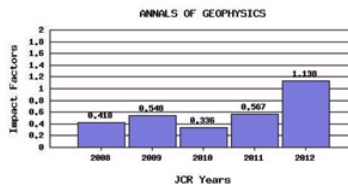
Powered
by OJS,
engineered
and
maintained
by
CINECA.

SCIMAGO JOURNAL & COUNTRY RANK



5
YEARS
IMPACT

FACTOR



NOTIFICATIONS

- ▶ View
- ▶ Subscribe

[HOME](#) [ABOUT](#) [LOGIN](#) [REGISTER](#) [SEARCH](#) [CURRENT](#)
[ARCHIVES](#)
[ANNOUNCEMENTS](#)
[INGV](#)

[Home](#) > [Vol 55, No 6 \(2012\)](#) > [Kovács](#)

Hungarian repeat station survey, 2010

Péter Kovács, András Csontos, Balázs Heilig, András Koppán

Abstract

The last Hungarian repeat station survey was completed between October

2010 and February 2011. Declination, inclination and the total field were observed using one-axial DMI fluxgate magnetometer mounted on Zeiss20A theodolite and GSM 19 Overhauser magnetometer. The magnetic elements of the sites were reduced to the epoch of 2010.5 on the basis of the continuous recordings of Tihany Geophysical Observatory. In stations located far from the reference observatory, the observations were carried out in the morning and afternoon in order to decrease the effect of the distant temporal correction. To further increase the accuracy, on-site dIdD variometer has also been installed near the Aggtelek station, in the Baradla cave, during the survey of the easternmost sites. The paper presents the technical details and the results of our last campaign. The improvement of the accuracy of the temporal reduction by the use of the local variometer is also reported.

Keywords

Magnetism; Model; Instrument

Full Text - Views: 264

[PDF](#)

Identifiers

- DOI: [10.4401/ag-5450](https://doi.org/10.4401/ag-5450)



This work is licensed under a [Creative Commons Attribution 3.0 License](#).

Published by INGV, Istituto Nazionale di Geofisica e Vulcanologia -

ISSN: 2037-416X