



1000

900

800

700

600

500

400

300

200

100

0

-100

-200

-300

-400

-500

-600

-700

-800

-900

-1000

eastern atlas

GEOPHYSIKALISCHE PROSPEKTION MEYER + ULLRICH GBR

BERLINER STRASSE 69 0-13189 BERLIN FON 0049 30 9700 5409 FAX 0049 30 9700 5414

Geomagnetic survey

Archaeological city of Gerasa, Jordan

For: Dep. of Archaeological Science, University of Bochum, Germany

Dep. of Classical Archaeology, University of Aarhus, Denmark

Map N°: 1119-105

Date of fieldwork: 13.09. - 19.09.2011

Scale: 1:1000

Authors: Rudolf Knieß, Dana Pilz

Geomagnetic prospection:

Vertical gradient ΔZ of the Earth's magnetic field [nT/m]

-100 nT

+100 nT

ΔZ

Resolution: 0.5 m x 0.05 m

Grid Resolution: 0.25 m x 0.25 m

Equipment: 6 x Fluxgate Förster Gradiometer 4.021 und 4.032

Data-logger LEA_D2

Base maps: Topographic Data from eastern atlas - GPS survey

(absolute error: 6 m, relative error: 0,1 m)

Coordinate system: Palestine 1923 / Palestine Belt