Program

Wednesday, 13 March, Session 10 - Environmental Effects

C. Kroner and Jentzsch, G.: Introduction

Observ.: Monitoring of environmental parameters

Wednesday, 13 March, Session 11 - Barometric pressure and gravity

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V. Buhl and **C. Gerstenecker**: Correction of earth tidal gravity observations using GPS-measurements

J. Arnoso, B. Ducarme, **A.P. Venedikov**, and R. Vieira: Time variations and anomalies in the air pressure admittance of superconducting tidal gravity data

D. Crossley, Hinderer, J. and Rosat, S.: Using atmosphere-gravity correlation to derive a time-dependent admittance

visit to Moxa Observatory

departure: car park Lutherplatz, 13:30
return: car park Lutherplatz, around 18:30

Thursday, 14 March, Session 12 - Hydrology and gravity

D. Simon: Modelling of the field of gravity variations induced by the seasonal air mass warming during 1998-2000

R. IJpelaar, Troch, P., Warmerdam, P. ,Stricker, H., and Ducarme, B.: Detecting hydrological signals in time series of in-situ gravity measurements: a first approach

S. Takemoto, Fukuda, Y., Higashi T., Abe, M., Ogasawara, S., Dwipa, S., Kusuma, D. S., and Andan, A.: Effect of groundwater changes on SG observations in Kyoto and Bandung

Harnisch, M., Harnisch, G.: Seasonal variations of hydrological influences on gravity measurements at Wettzell

Zerbini, S., Richter, B., Romagnoli, C., Lago, L., Domenichini, F., and Simon, D.: Effects of environmental parameters on height and gravity variations

K. Nawa, Suda, N., Aoki, S., Shibuya, K., **Sato, T.**, and Fukao, Y.: Influence of sea level variations

in seismic normal mode band on superconducting gravimeter observation at Syowa Station

Thursday, 14 March, Session 13 - Barometric pressure and seismological data

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W. Zürn: Simplistic models of vertical seismic noise above 0.1 mHz derived from local barometric pressure

W. Zürn and Neumann, U.: Simplistic models of atmospheric signals in horizontal seismograms

K. Fischer: Sources and transfer mechanism of seismic noise: Preliminary results from FEM models

J. Exß and Zürn, W.: Reduction of noise in horizontal long period seismograms using local atmospheric pressure

Gy. Mentes: Microbarograph for investigation of geodynamical phenomena caused by atmospheric pressure variations influenced by lunisolar effects

Thursday / Friday, 14/15 March, Session 14 - Environmental effects and strain

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Mentes, Gy., and Eperne Papai I.**:** The effect of atmopsheric pressure on strain measurements at the Sopron Observatory, Hungary

H. Ishii: Environmental effects on strain observation, their applications for geophysical study and necessity of deep borehole observation for noiselessly high quality

Friday, 15 March, Session 15 - Environmental effects and tilt

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A. Kopaev, V. Milyukov, and V. Yushkin: Pressure and temperature effects in tilt, strain, and gravity observations near Mt. Elbrus, Central Caucasus

M. Westerhaus: Environmental effects on tilt measurements at Merapi Volcano

Th. Klügel: Tilt variations at shallow depth: implications for the installation of a laser gyroscope at the Geodetic Observatory Wettzell

G. Jentzsch, Graupner, St., Weise, A., Ishii, H., and Nakao, Sh.: Environmental effects in tilt data of Nokogiriyama Observatory

Friday, 15 March, Session 16 - Closing

General discussion, recommendations, etc.