

Current Status and Plans of the EUREF WUT Local Analysis Centre

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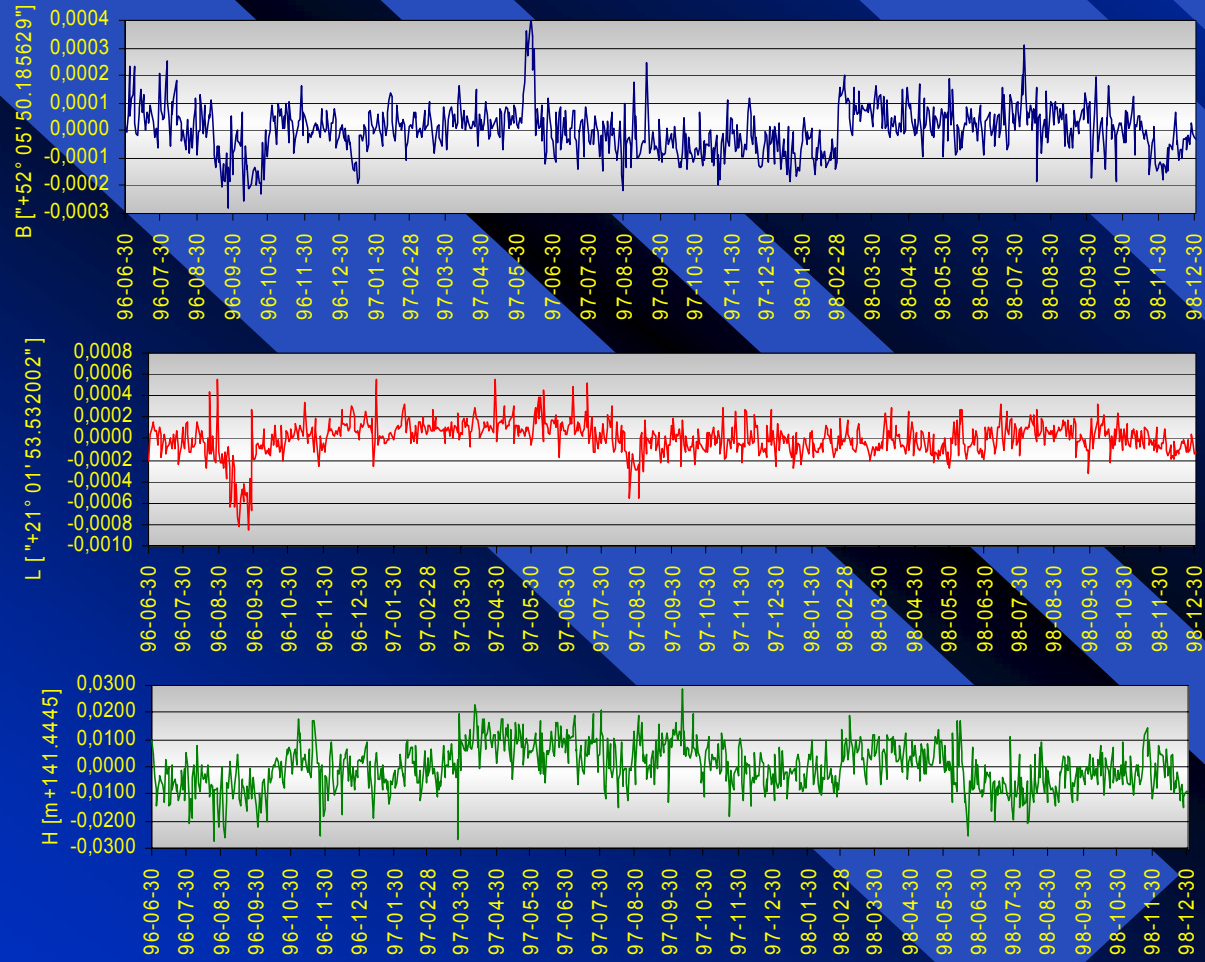
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GPS

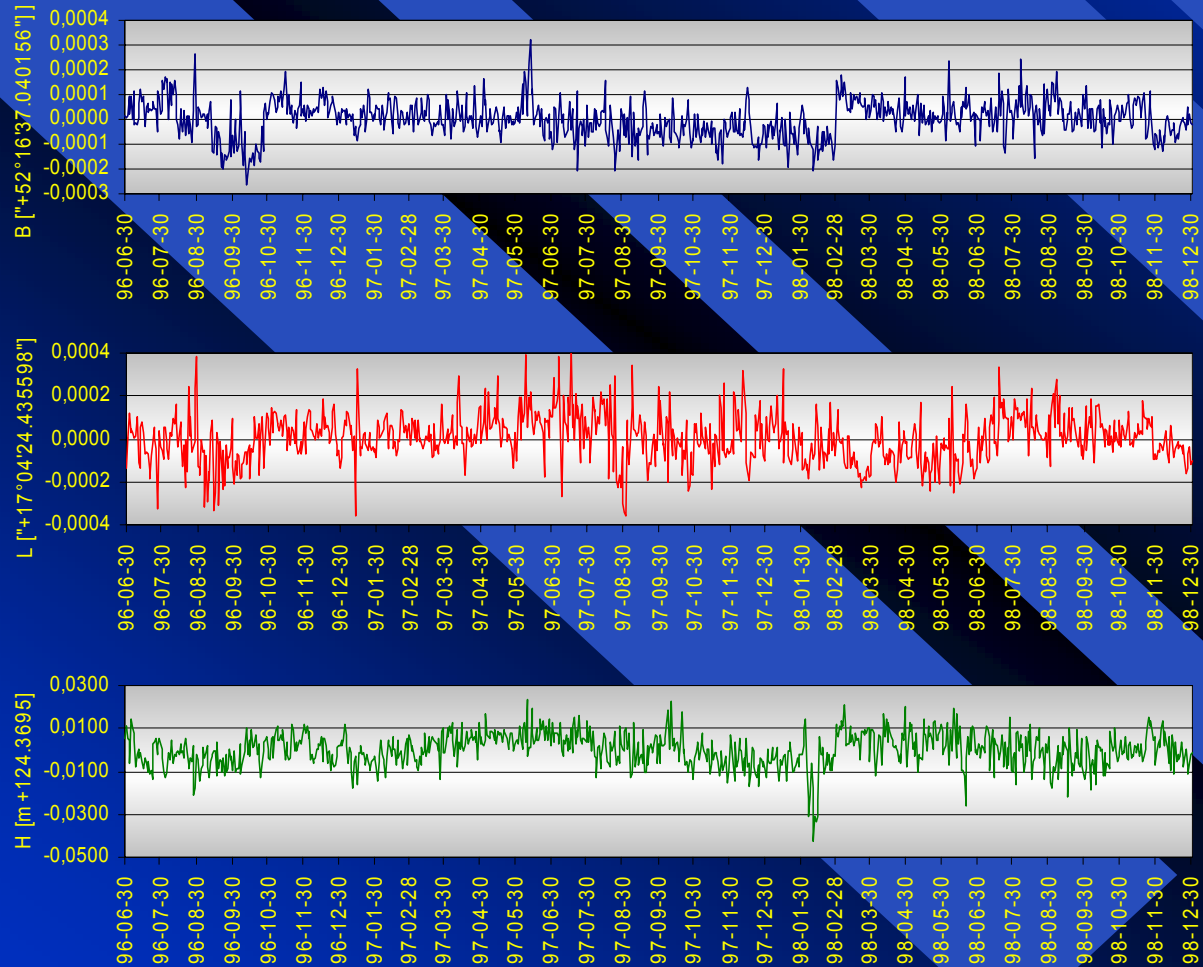
- **Participation in the processing of the permanent EUREF frame, which includes 22 stations from Central and North Europe**
- **Processing of CEGRN and EXTENDED SAGET, which include about 50 stations**
- **Processing of the local networks for geophysical and geodetic needs in the territory of Poland**
- **Testing the hourly data computation strategies**

GPS



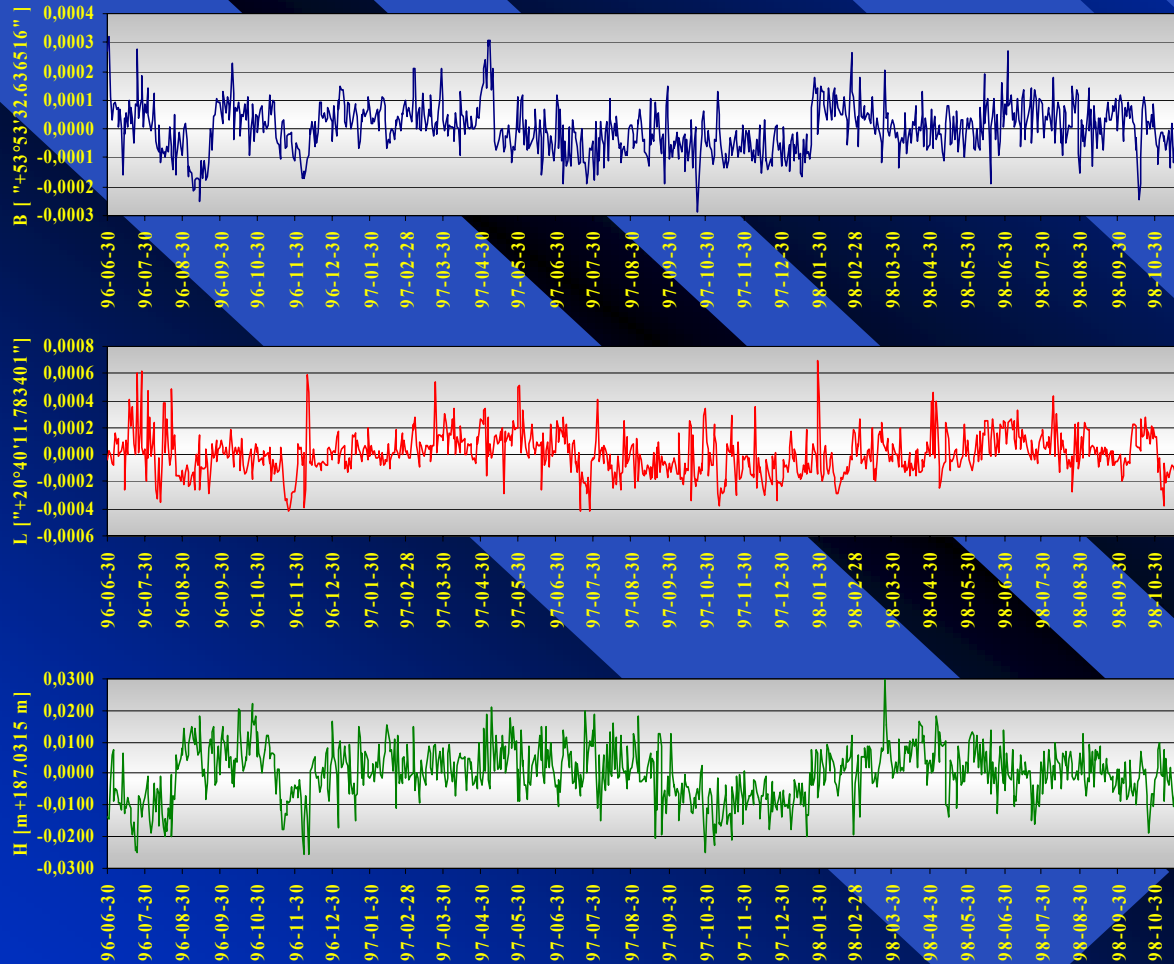
BLH coordinates of Józefosław site

GPS



BLH coordinates of Borowiec site

GPS



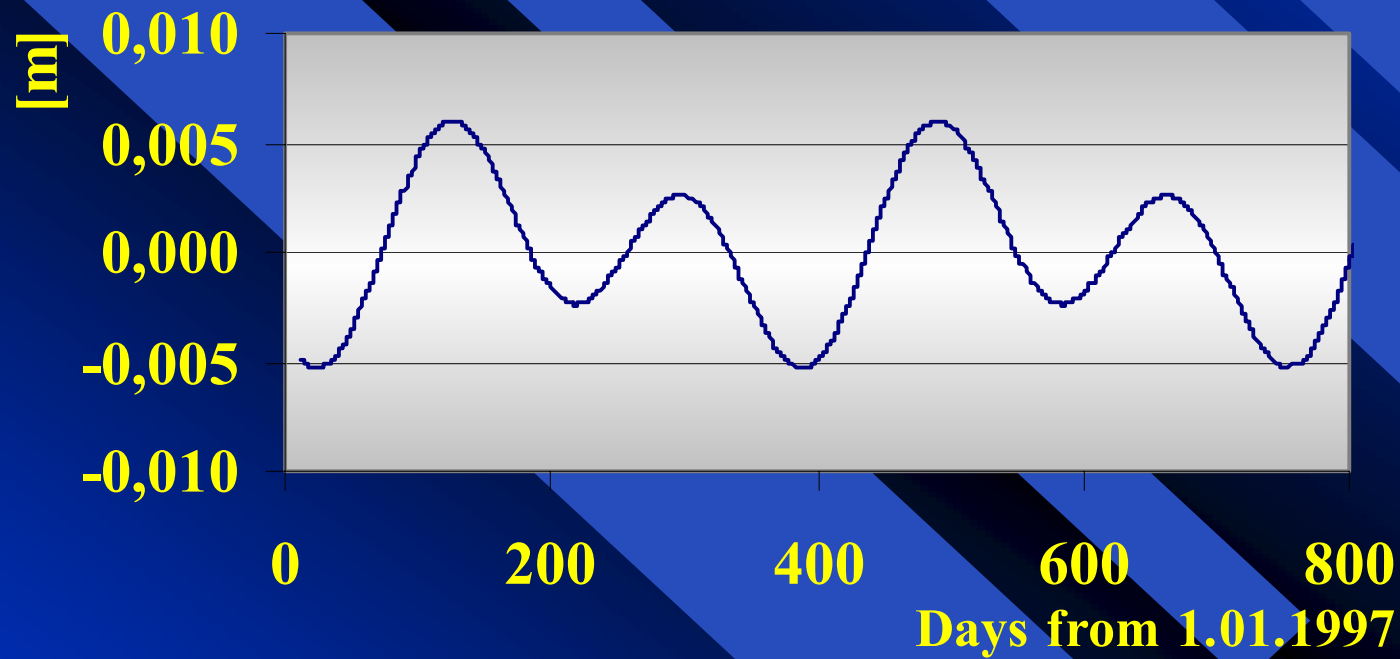
BLH coordinates of Lamkówko site

GPS

Station	North [cm/year]	East [cm/year]
Borowiec	1.59	1.99
Józefosław	1.54	2.23
Lamkówko	1.49	2.02
Wrocław	1.57	2.03

Station	Period	Amplitude [mm]	Ampl. error [mm]	Phase [°]	Phase error [°]
JOZE	1 rok	2,25	0,37	110,06	9,53
	½ roku	3,97	0,37	31,54	5,39
BOGO	1 rok	5,49	0,36	73,72	3,75
	½ roku	3,58	0,36	357,94	5,73
BOR1	1 rok	4,43	0,37	110,63	4,82
	½ roku	2,42	0,37	9,55	8,88
LAMA	1 rok	6,36	0,41	102,40	3,65
	½ roku	1,87	0,40	60,74	12,36
WROC	1 rok	6,28	0,31	86,84	2,84
	½ roku	2,66	0,31	359,44	6,72

GPS



Model of the height changes

Adjustment of 1-hour GPS observations

STATIONS

BOGO (Borowa Góra, Poland)

BOR1 (Borowiec, Poland)

GOPE (Pecny, Czech Republic)

GRAA (Graz, Austria)

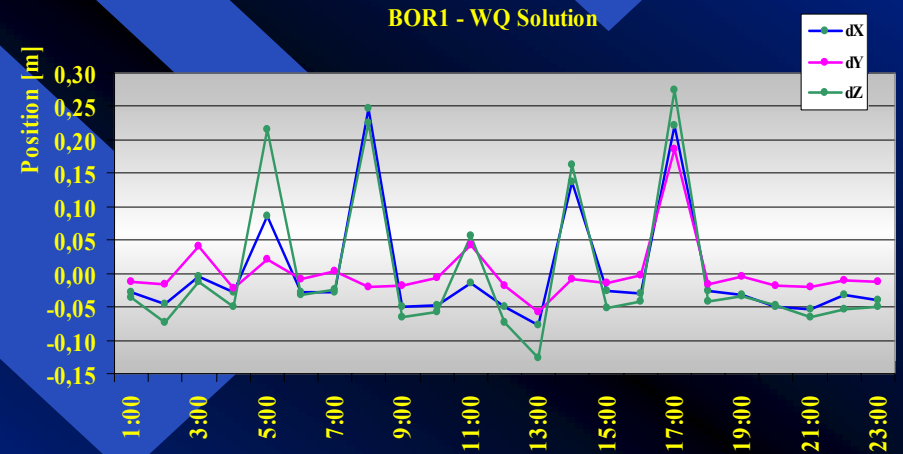
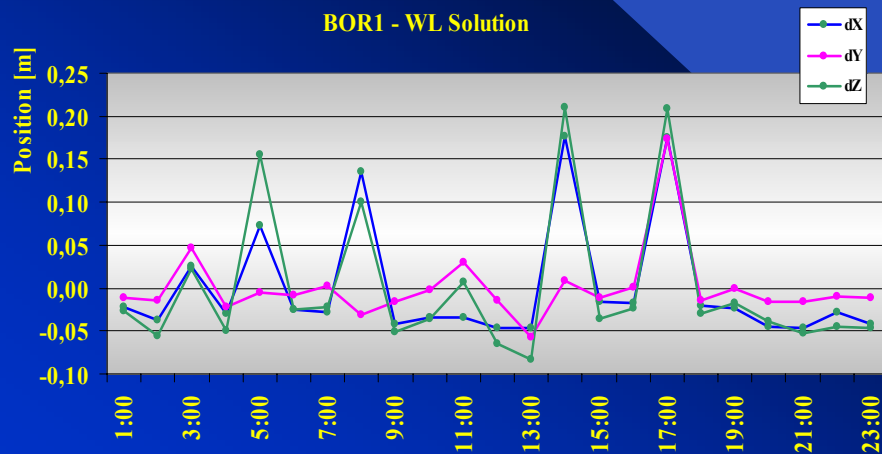
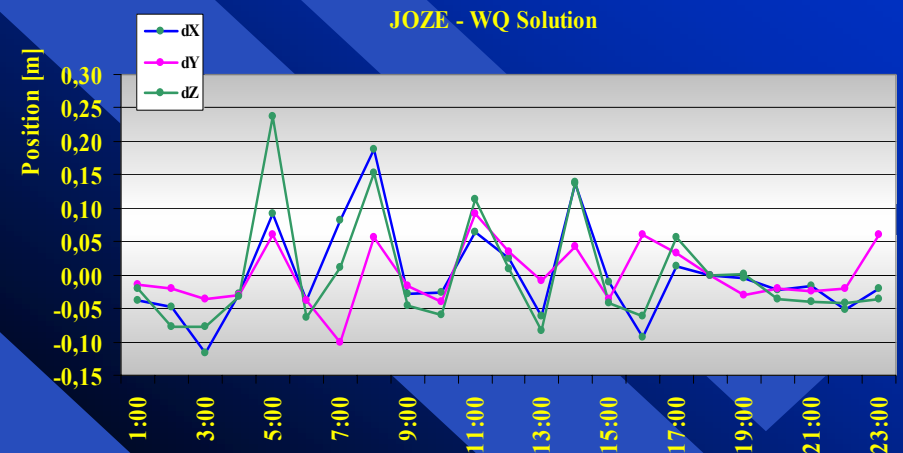
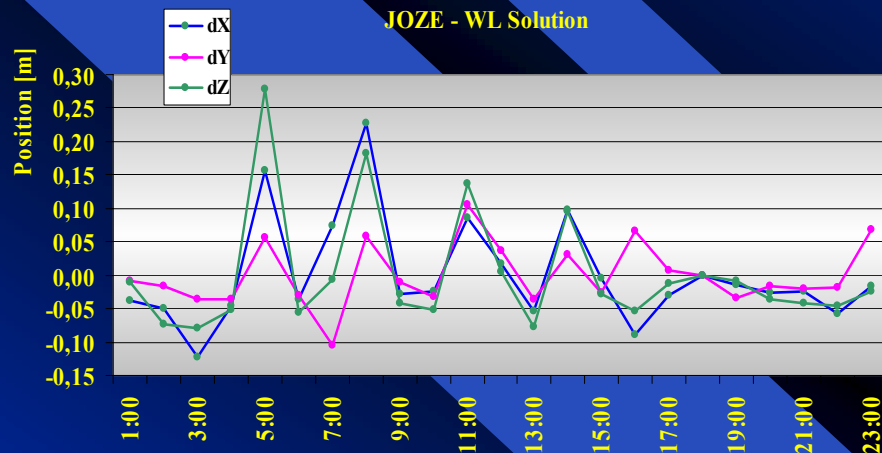
PENC (Penc, Hungary)

PFAN (Pfander, Austria)

UPAD (Padova, Italy)

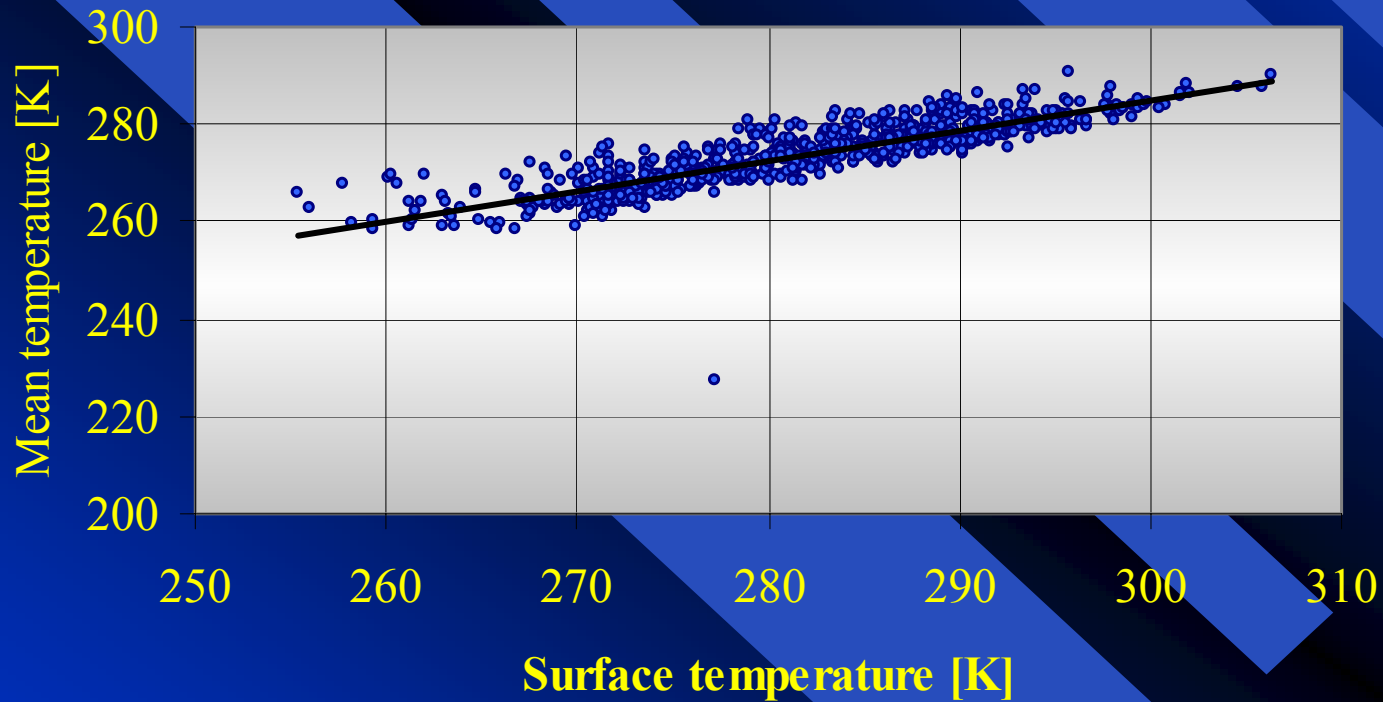
ZIMM (Zimmerwald, Switzerland)

Adjustment of 1-hour GPS observations



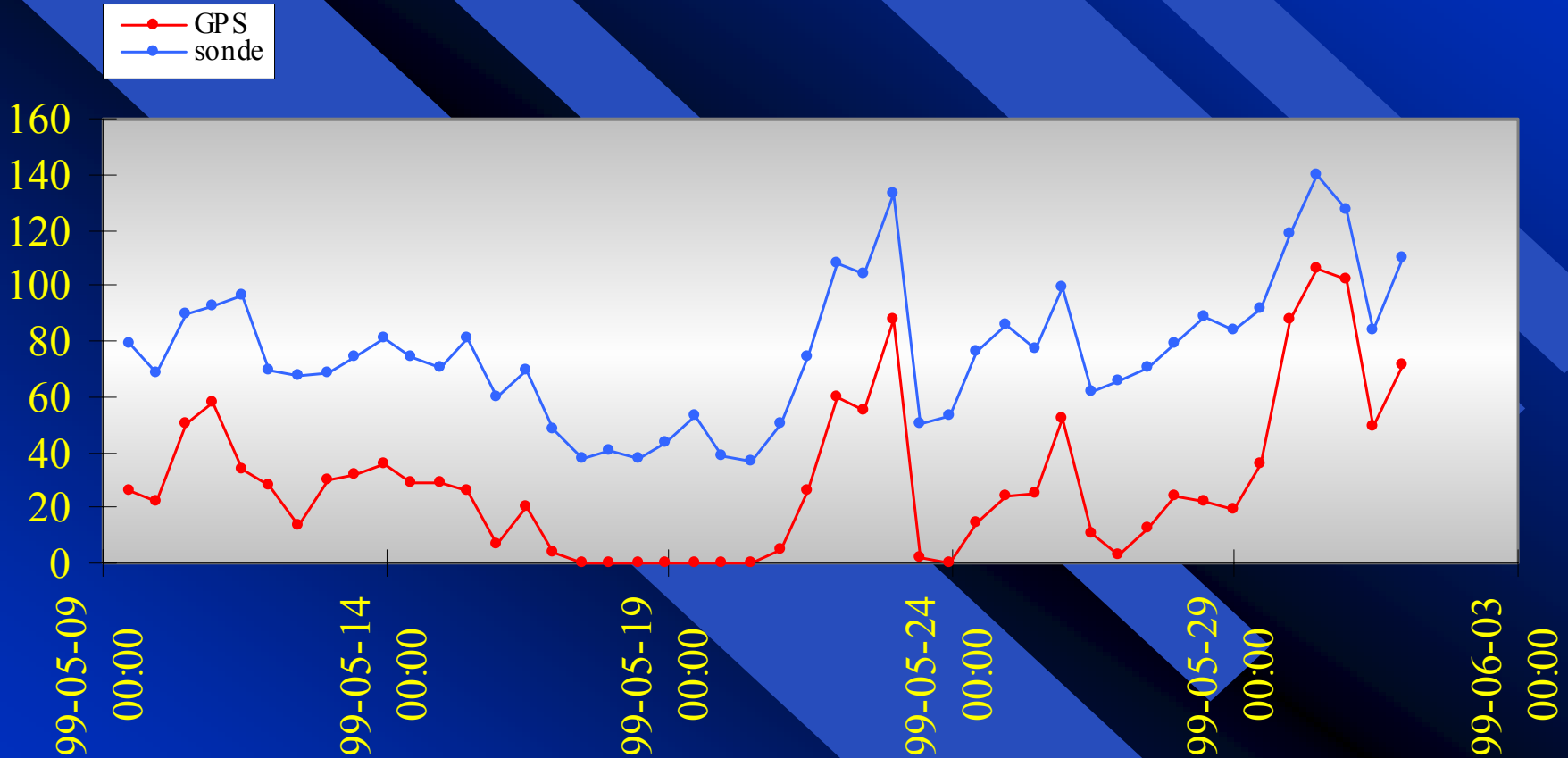
Hourly solution for two Polish IGS station

Atmosphere



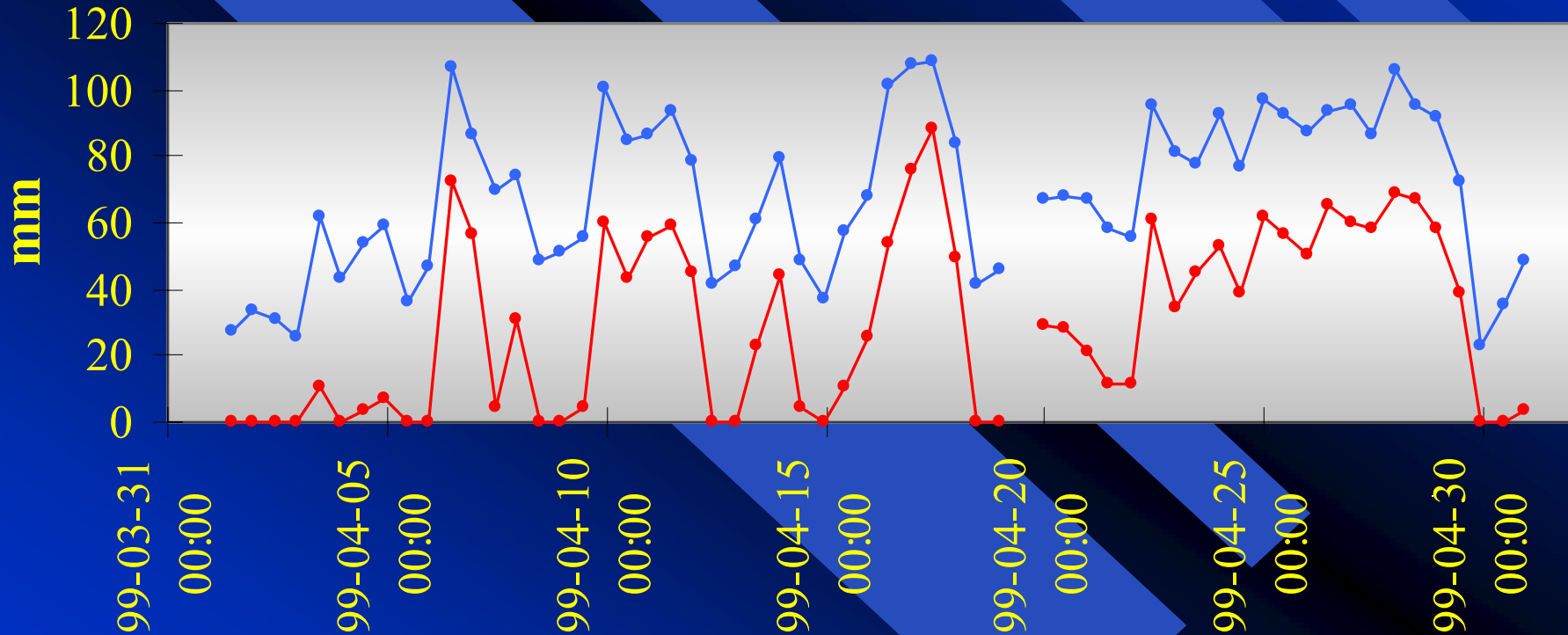
Mean temperature relative to surface temperature

Atmosphere



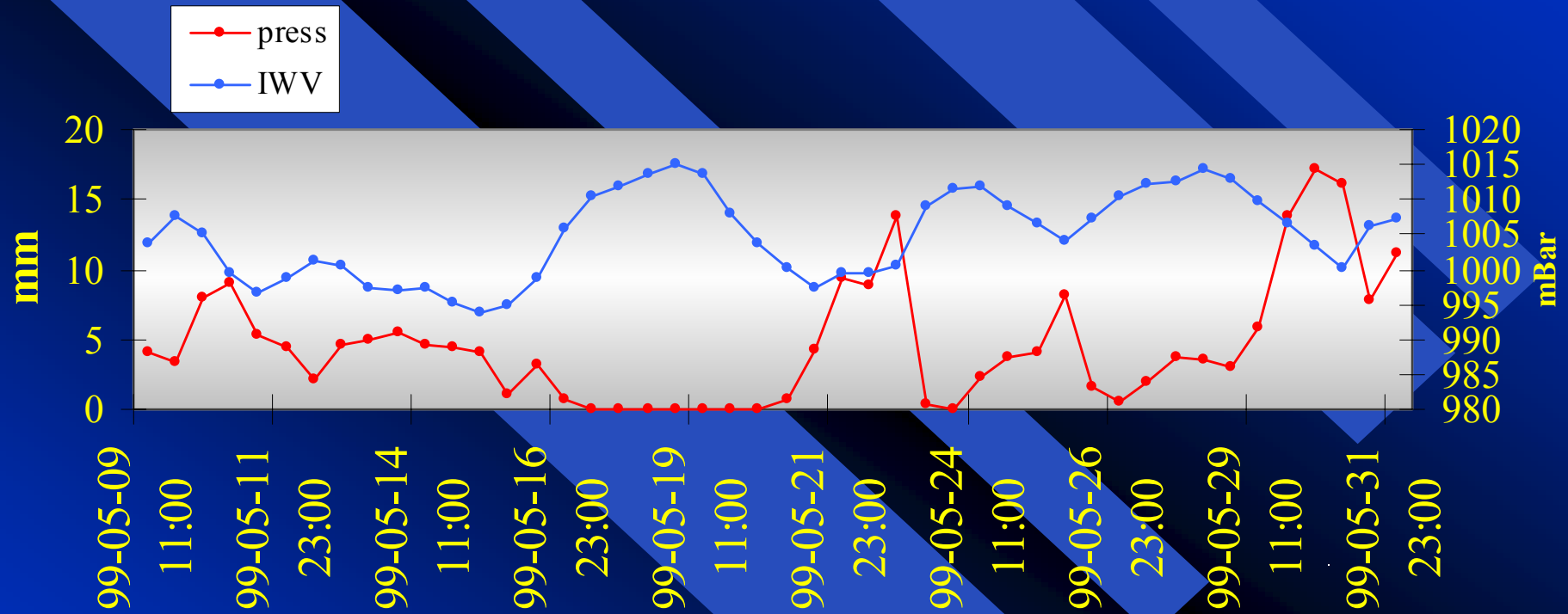
**Zenith Wet Delay from radiosonde
and WUT solution for JOZE**

Atmosphere



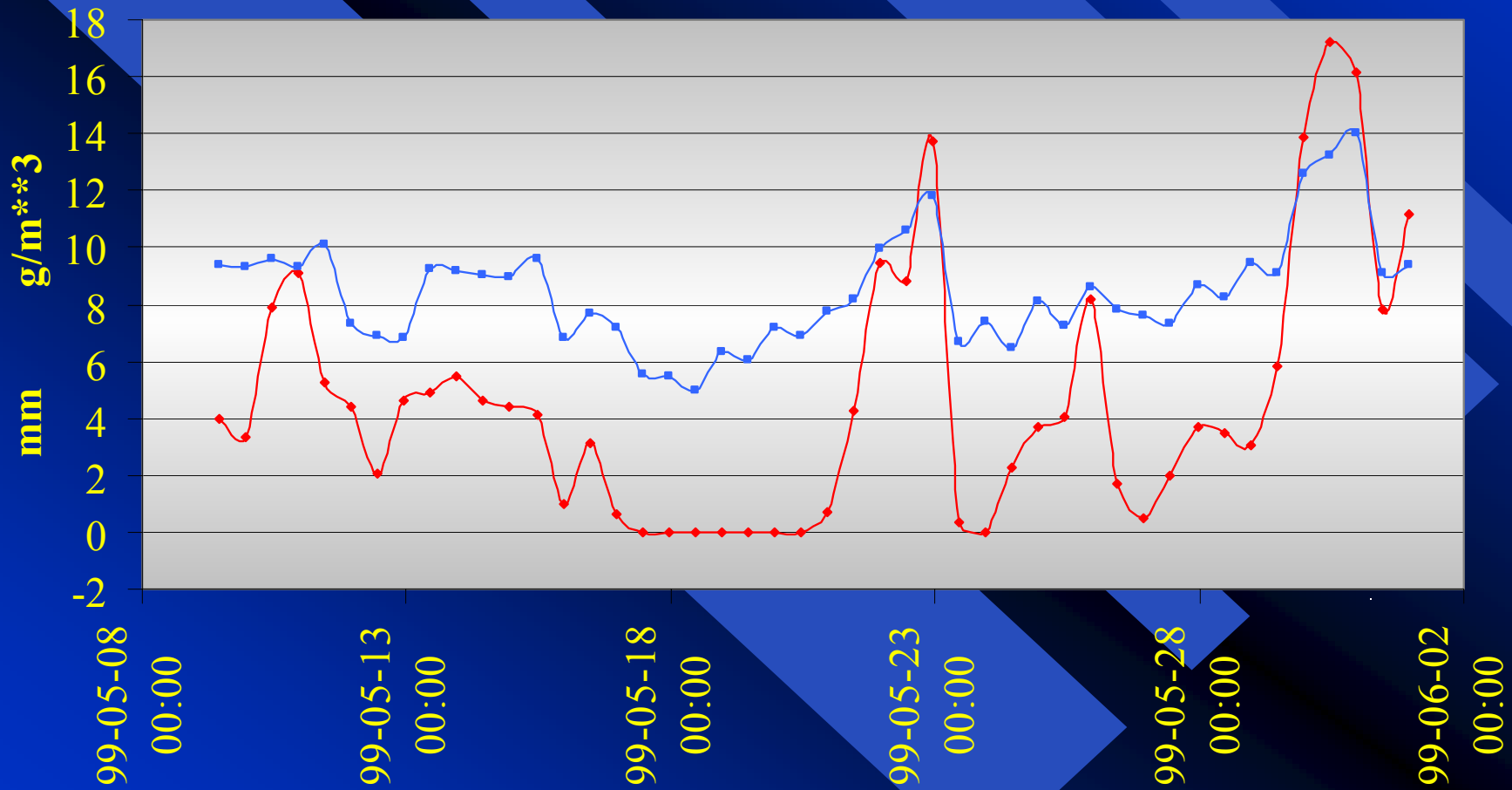
Zenith Wet delay from radiosonde (high) and GPS (BOGO-CODE solution) (low).

Atmosphere



Integrated Water Vapour (GPS) vs. surface atmospheric pressure

Atmosphere



IWV (from GPS) vs. absolute humidity