

**SLOVAK HYDROMETEOROLOGICAL INSTITUTE**

**YEARBOOK OF WEATHER OBSERVATIONS AT  
METEOROLOGICAL STATIONS IN SLOVAKIA IN 2008**

**BRATISLAVA 2009**

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List of weather stations on the day 1.1.2008

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Annual average air temperature in °C in 2008

Deviation of the average annual air temperature in 2007 in °C from normal 1961 – 1990

Annual total precipitation in mm in 2008

Annual total precipitation in 2007 in % of the normal period 1961 – 1990

**Explanatory Notes to Table “List of weather stations on the day 1.1.2008”**

Thermometers are placed in a weather booth of 2 m above the ground surface, except for the following MS:

11858 Hurbanovo: 165cm

11916 Chopok: 300cm

11930 Lomnický štít: 120cm

**Types of reporting:**

I – Inter

Ih - Inter Mountain

S - SYNOP

C - Climat

**Type of weather station:**

U - Specialized MS

D - Voluntary MS

P - Professional MS

A - Automatic MS

V - The military MS

## List of weather stations on the day 1.1.2008

Indicative MS	Meteorological observation station (MS)	Northern latitude	Eastern longitude	Elevation under the weather cab [m]	Type of MS	Type of provided report	Observer
664	Málinec - priehrada	48° 25' 20''	19° 39' 46''	355	U		Ing.Ján Hrivnák
665	Ďubákovo	48° 33' 24''	19° 44' 15''	854	U		Jozef Golčiter
11800	Holíč	48° 48' 44''	17° 09' 49''	180	D	I	Tomáš Novák
11801	Kuchyňa - Nový Dvor	48° 24' 05''	17° 08' 52''	206	V,A	I,S	pozorovatelia ASR
11802	Trenčín	48° 52' 42''	18° 02' 54''	303	D	I	Juraj Leško
11806	Myjava	48° 45' 14''	17° 33' 42''	349	D		Milan Medved'
11810	Bratislava - Mlynská dolina	48° 09' 08''	17° 04' 13''	182	D	I	pracovníci MFFUK
11811	Stupava	48° 16' 48''	17° 01' 33''	179	D		Soňa Nemčovičová
11812	Malý Javorník	48° 15' 21''	17° 09' 14''	586	D,A		pracovníci SHMÚ
11813	Bratislava - Koliba	48° 10' 07''	17° 06' 38''	287	P,A	I,S	pozorovatelia SHMÚ
11815	Slovenský Grob	48° 15' 38''	17° 16' 47''	141	D		Renata Rusnáková
11816	Bratislava - letisko	48° 10' 18''	17° 12' 00''	133	P,A	I,S	pozorovatelia SHMÚ
11817	Kráľová pri Senci	48° 12' 00''	17° 16' 29''	124	D	I	Miroslava Hincová
11818	Gabčíkovo	47° 53' 45''	17° 33' 56''	113	D		Jarmila Haratimová
11819	Jaslovské Bohunice	48° 29' 12''	17° 40' 15''	176	P,A	I,S	pozorovatelia SHMÚ
11820	Žihárec	48° 04' 28''	17° 52' 57''	111	D	I	Zoltán Pulen
11826	Piešťany	48° 36' 47''	17° 49' 58''	163	P,A	I,S,C	pozorovatelia SHMÚ
11828	Trenčianske Teplice	48° 54' 32''	18° 10' 20''	282	D		Mária Nachtmanová
11833	Modra - Piesok	48° 22' 27''	17° 16' 33''	533	D	I	pracovníci MFFUK
11835	Moravský Svätý Ján	48° 34' 54''	16° 59' 43''	155	D		Rudolf Matejovič
11841	Dolný Hričov	49° 13' 55''	18° 37' 04''	309	P,A	I,S	pozorovatelia SHMÚ
11846	Veľké Ripňany	48° 30' 38''	17° 59' 26''	188	D		Mária Chalániová
11847	Topolčany	48° 33' 50''	18° 09' 22''	180	D	I	Alfonz Krajčovič
11849	Žikava	48° 27' 31''	18° 23' 25''	318	D		Milan Herda
11850	Podhájska	48° 06' 27''	18° 20' 21''	138	D	I	Jozef Rosypal
11855	Nitra - Veľké Janíkovce	48° 16' 44''	18° 08' 18''	135	P,A	I,S	pozorovatelia SHMÚ
11856	Mochovce	48° 17' 22''	18° 27' 22''	261	P,A	I,S	pozorovatelia SHMÚ
11858	Hurbanovo	47° 52' 23''	18° 11' 39''	115	P,A	I,S,C	pozorovatelia SHMÚ
11862	Beluša	49° 03' 58''	18° 19' 05''	254	D	I	Ing.Milan Kozlovský
11865	Žilina	49° 12' 19''	18° 44' 48''	365	D		Iveta Klaková

## List of abbreviations and signs used in tables “Yearbook of climatological observations in 2008

Title:

The coordinates indicate the geographical coordinates of the meteorological booth and elevation under booth

Table 1:

### **Average daily temperature**

- P** average monthly and annual air temperature (°C)  
**AMx** monthly and annual average maximum daily temperature (°C)  
**D** date monthly and annual average daily maximum temperature  
**AMn** monthly and annual average daily minimum temperature (°C)  
**D** date monthly and annual average daily minimum temperature

### **Max. temperature**

- P** average monthly and annual value of daily maximum temperature (°C)  
**AMx** absolute monthly and annual maximum temperature (°C)  
**D** date absolute monthly and annual maximum temperature

### **Min. temperature**

- P** average monthly and annual value daily minimum temperature (°C)  
**AMn** absolute monthly and annual minimum temperature (°C)  
**D** date absolute monthly and annual minimum temperature

### **Ground floor minimum temperature**

- P** average monthly and annual value daily ground floor minimum temperature (°C)  
**AMn** absolute monthly and annual minimum ground floor temperature (°C)  
**D** date monthly and annual minimum ground floor temperature

### **Rainfall**

- $\Sigma$  monthly and annual rainfall (mm)  
**Amx** maximum daily rainfall of the month and year (mm)  
**D** date maximum daily rainfall of the month and year

### **NSP new snow cover**

- $\Sigma$  monthly and annual amount of new snow cover (cm)  
**Amx** absolute monthly and annual maximum amount of new snow cover of the month and year (cm)

- D** date the maximum amount of new snow cover
- CSP** total snow cover
- Amx** absolute monthly and annual maximum of total snow cover (cm)
- Φ month. values** average monthly values
- TVP** average monthly and annual water vapor pressure (hPa)
- RVZ** average monthly and annual relative humidity (%)
- TV** average monthly and annual air pressure reduced to 0°C (hPa)

Table 2:

**Average daily temperature**

- <0** number of days in the month and year with average daily temperature below 0°C
- >=5** number of days in the month and year with average daily temperature above 4.9°C
- >=10** number of days in the month and year with average daily temperature above 9.9°C
- >=15** number of days in the month and year with average daily temperature above 14.9°C

**Max. temperature**

- >=30** number of tropical days (maximum daily temperature above 29.9°C) of the month and year
- >=25** number of summer days (maximum daily temperature above 24.9°C) of the month and year
- <0** number of ice days (maximum daily temperature below 0°C) of the month and year

**Min. temperature**

- >=20** number of days with tropical night (minimum daily temperature above 19.9°C) of the month and year
- <0** number of frost days (minimum daily temperature below 0°C) of the month and year

**Tprz** ground floor minimum temperature

- <0** number of days with ground frost (ground floor minimum temperature below 0°C) of the month and year

**Daily rainfall**

- >=0** number of days with rainfall in the month and year
- >=1** number of days with rainfall above 0.9 mm in the month and year
- >=5** number of days with rainfall above 4.9 mm in the month and year
- >=10** number of days with rainfall above 9.9 mm in the month and year

**Type of rainfall**

- Tek.** number of days with rainfall liquid in the month and year
- Zm.** number of days with mixed rainfall in the month and year
- Tuh.** number of days with solid rainfall in the month and year

**Snow cover**

- N<sub>>=1</sub>** number of days with new snow cover 1 cm and more in the month and year  
**N<sub>>=10</sub>** number of days with new snow cover 10 cm and more in the month and year  
**C<sub>>=1</sub>** number of days with total snow cover 1 cm and more in the month and year  
**C<sub>>=10</sub>** number of days with total snow cover 10 cm and more in the month and year

**Events**

- R, S** number of days with close or remote storm in the month and year  
**M** number of days with fog in the month and year  
**U** number of days with strong wind (wind speed over 10.7 m/s) in the month and year

Table 3:

**Relative frequency of wind direction**

- S-SZ** 8-directional wind rose wind directions relative abundance of the month and year (‰)  
**CALM** calm

**Average wind speed**

- S-SZ** 8-directional wind rose an average wind speed in the month and year (m/s)  
**Mes.** average wind speed in the month and year (m/s)

**Sunshine**

- $\Sigma$  amount of sunshine for each month and year (h)  
**Ss=0** number of days with no sunshine in the month and year  
**Ss>5** number of days with sunshine more than five hours in the month and year

**Cloudiness**

- Φ** average monthly and annual cloudiness (tenth sky coverage)  
**O<2** number of clear days (average daily Cloudiness less than two tenths of total sky coverage) in the month and year  
**O>8** number of cloudy days (average daily Cloudiness more than eight tenths of total sky coverage) in the month and year

Figures indicated in the yearbooks \* has only indicative value.

In the yearbooks are dash marked elements, which means that station does not it observe.

MINISTRY OF ENVIRONMENT

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