

SLOVAK ACADEMY OF SCIENCES
Earth Science Institute



**Yearbook
of meteorological measurements
2021**

Bratislava, SLOVAK REPUBLIC

2022

OBSERVATORIES



SKALNATÉ PLESO: $\phi = 49^\circ 11' \text{ N}$, $\lambda = 20^\circ 14' \text{ E}$, H = 1778 m a.s.l.



STARÁ LESNÁ: $\phi = 49^\circ 09' \text{ N}$, $\lambda = 20^\circ 17' \text{ E}$, H = 810 m a.s.l.

EARTH SCIENCE INSTITUTE
OF THE SLOVAK ACADEMY OF SCIENCES

Department of Atmospheric Physics

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INTRODUCTION

The meteorological observatories (MO) of the Earth Science Institute of the Slovak Academy of Sciences are characterized as follows:

- MO Skalnaté Pleso represents a slope station in the south side of the High Tatras
- MO Stará Lesná represents a valley position of the Poprad-hollow.

The panorama of the horizon of these observatories is shown in Fig. 1 and Fig. 2.

The year-book contains the following tables:

A. daily and monthly sums of radiation elements and precipitation

- *global radiation*
- *photosynthetically active radiation* (Skalnaté Pleso observatory only)
- *atmospheric back radiation* (Stará Lesná observatory only)
- *long-wave radiation balance* (Stará Lesná observatory only)
- *radiation balance* (Stará Lesná observatory only)
- *sunshine duration* (Skalnaté Pleso observatory only)
- *amount of precipitation*

B. daily and monthly averages of meteorological elements

- *air temperature*
- *relative air humidity*
- *atmospheric pressure*
- *soil temperature at 5 cm depth*
- *soil temperature at 20 cm depth*
- *near-surface air temperature*
- *wind speed*

C. daily and monthly extreme values of selected elements

- *air temperature minima*
- *air temperature maxima*
- *near-surface air temperature minima*
- *wind speed maxima*

Note: There are three kinds of data in the tables:

- without brackets if all 24 hour values were valid;
- with round brackets if the number of the valid hour values was at least 16 (or 2/3);
- without value if the number of valid hour values was less than 16 (or 2/3).

Skalnaté Pleso – measurement system

Most of data were recorded by the measurement system based on PROlog - ultralow power datalogger (Physicus, SK). The photosynthetically active radiation is measured by the PAR Quantum Sensor PQS1 (Kipp and Zonen), calibrated on 02 December 2016.

The sunshine duration is measured by the Campbell-Stokes heliograph with blue tape. The method utilized in the Slovak Hydrometeorological Institute is used for evaluation of the tapes.

Stará Lesná – measurement system

All the data were recorded by the measurement system based on PROlog - ultralow power datalogger (Physicus, SK). The long-wave radiation fluxes are measured by Pyrgeometer CGR 3 (Kipp and Zonen). The values of downward atmospheric radiation are calculated from the measured long-wave radiation data.

At both stations the following identical sensors are used for the measurements :

- *for the global radiation* - the Pyranometer CMP 6 (Kipp and Zonen)
- *for the radiation balance* - the Net Radiometer NR Lite 2 (Kipp and Zonen)
- *for the air temperature* (at 2 m level above the surface), *near surface air temperature* (at 5 cm level above ground) and *soil temperature* (at the depths 5 cm and 20 cm) - the Temperature probes (Physicus, SK) with platinum resistance thermometers Pt 100
- *for the relative air humidity* (at 2 m level above the surface) - Prove-HumiAir 9 (Physicus, SK)
- *for the air pressure* - the Pressure sensor-PressAir (Physicus, SK)
- *for the wind speed* - the Wind Transmitter Compact (Thies Clima) on the roof of the building
- *for the amount of precipitation* - the Rain Gauge MR3H (Meteoservice, CZ)

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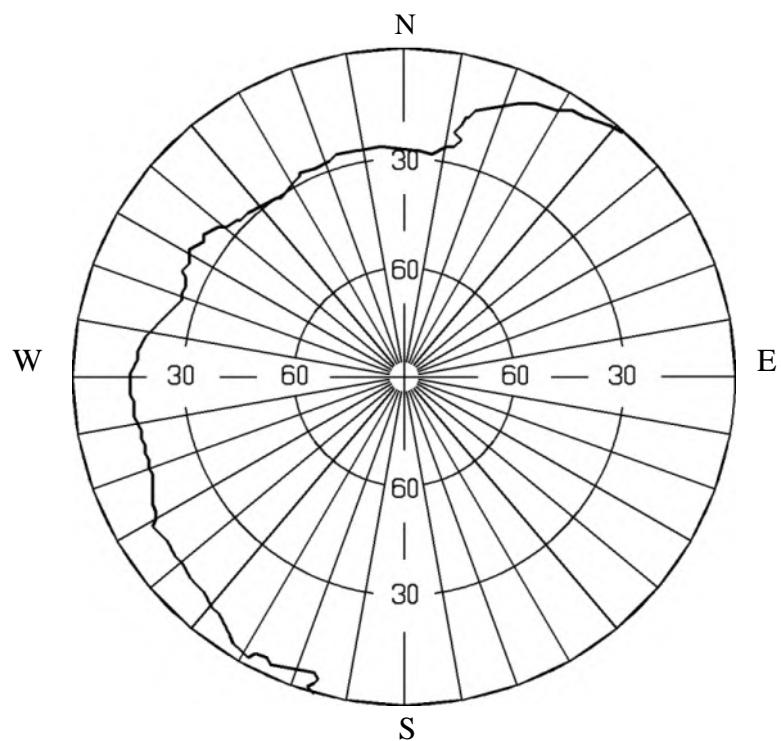


Fig. 1. Panorama of the horizon of Skalnaté Pleso station

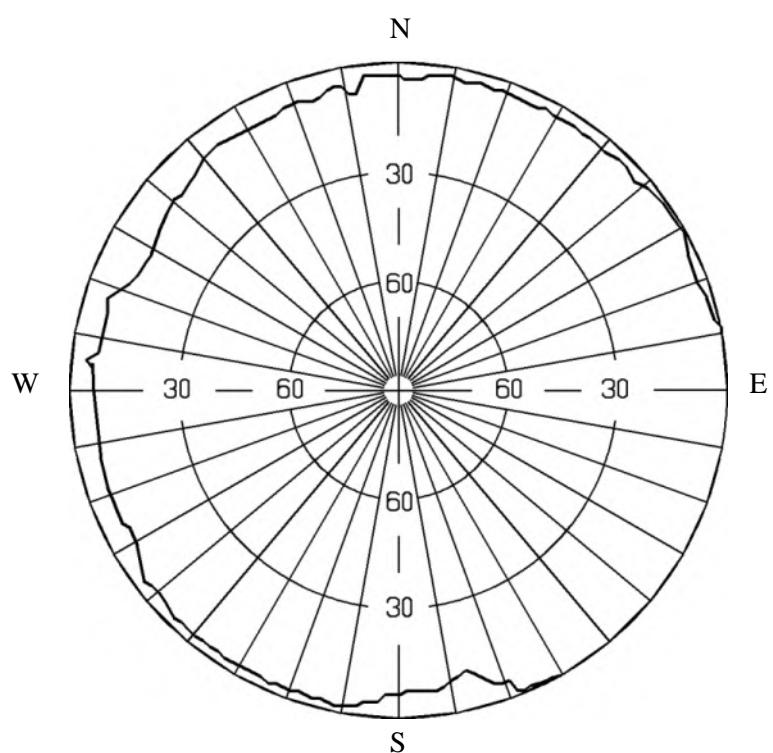


Fig. 2. Panorama of the horizon of Stará Lesná station

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	342	938	1376	1560	1768	1608	774	565	756	648	1042	528
2	243	834	1498	1062	1303	2074	962	1306	1429	1662	180	462
3	184	898	1532	1185	1495	2481	1008	1610	1124	1602	677	519
4	263	659	736	1438	2725	2091	913	1008	1042	1579	268	466
5	178	495	386	2071	1655	1201	854	184	1392	1190	784	455
6	145	371	1617	1430	1913	1010	2263	691	2145	314	922	211
7	228	319	1652	1747	1166	1942	2534	2071	1494	1013	737	330
8	179	619	891	1937	2657	2302	1794	1725	2028	1526	407	587
9	170	689	740	2346	2878	2276	2067	1400	2151	1467	558	184
10	372	690	1017	2390	2775	2835	1069	1597	2107	1156	874	527
11	707	407	1093	1454	2886	2010	1963	1673	2066	828	781	542
12	648	1212	1151	1591	2377	1962	1193	1266	1119	685	777	535
13	287	1218	1256	833	836	2829	2903	1801	778	266	741	572
14	362	1339	512	2265	561	3168	2441	1406	515	585	768	566
15	304	1242	1524	1021	731	2754	1508	2255	1033	886	791	480
16	410	651	1828	1387	913	2796	1548	2067	843	803	804	210
17	577	554	1730	926	473	2400	2366	668	413	1289	760	442
18	766	515	1791	1244	995	3020	2040	859	538	522	313	562
19	478	664	1432	1062	1440	3019	1480	956	656	969	307	576
20	405	997	888	1774	2400	2062	933	766	750	1037	712	351
21	677	1321	1710	1560	2703	1476	1650	638	1264	977	561	
22	427	1339	2132	1643	1036	1782	855	1146	539	1041	176	
23	131	1369	845	1463	962	1566	901	378	1280	586	572	
24	392	1191	1987	2546	1899	2688	2133	946	1394	947	686	
25	380	1333	1520	1082	1072	1622	1056	1829	707	1128	647	
26	471	1409	1715	2489	2489	1172	2394	666	1028	1031	100	(215)
27	412	1268	1772	2069	1267	1151	2164	416	829	993	467	521
28	705	1426	1993	2797	1405	1307	2609	705	1345	1054	420	559
29	569		1121	1920	862	2104	1140	794	967	1060	100	410
30	540		1091	1063	1857	2824	1922	614	179	1050	423	370
31	848		2084		1389		935	683		1052		364
Sum	12800	25967	42620	49355	50888	63532	50372	34689	33911	30946	17355	(11544)

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	10.54	16.62	28.16	32.27	35.91	32.01	15.81	11.64	15.84	12.67	21.43	11.18
2	4.86	18.12	30.69	22.08	26.68	40.96	19.92	26.04	29.33	34.38	3.87	9.59
3	3.84	19.04	31.58	23.72	29.72	49.06	20.79	32.63	22.86	32.71	17.29	10.75
4	6.95	14.56	14.65	28.71	54.00	41.11	18.70	19.96	21.26	32.49	5.63	9.46
5	2.71	11.33	4.47	41.74	33.54	24.31	17.42	4.21	28.23	23.62	16.82	8.70
6	3.02	4.33	32.07	15.92	38.97	20.84	45.16	14.25	42.83	6.60	19.76	1.80
7	2.88	8.12	33.32	30.73	23.47	38.54	50.41	42.00	30.11	21.17	15.57	3.04
8	2.85	13.11	15.66	32.32	50.84	45.37	36.28	34.35	35.84	30.80	8.10	12.92
9	2.52	13.42	11.75	46.79	58.59	44.88	41.24	27.96	42.20	30.16	10.38	3.80
10	8.52	6.54	17.84	47.38	55.53	56.03	20.96	32.30	42.05	23.96	18.52	11.42
11	15.05	3.88	22.69	30.18	58.44	39.23	39.21	33.40	41.27	17.17	17.35	10.72
12	14.14	23.55	23.90	32.03	48.06	39.30	24.08	25.55	23.18	13.10	17.20	11.83
13	5.78	24.12	25.78	19.39	17.33	55.08	58.29	36.64	16.32	3.22	15.13	12.88
14	7.84	26.24	10.91	44.75	12.22	63.11	48.18	28.24	10.36	11.77	17.02	12.83
15	8.08	25.49	30.48	12.72	14.88	54.32	28.86	45.38	21.00	18.33	17.33	9.71
16	8.45	12.41	35.56	22.21	19.07	57.11	31.09	42.17	17.15	17.01	16.99	4.52
17	5.62	11.98	34.45	22.16	10.09	47.37	46.93	12.65	8.68	26.50	16.62	8.28
18	16.36	12.48	34.16	34.44	21.83	60.57	40.09	17.34	10.76	10.68	5.96	11.96
19	9.10	13.77	27.77	23.63	29.80	61.09	29.94	19.66	13.33	20.84	6.64	12.26
20	8.57	19.34	17.63	35.40	48.11	41.81	18.78	15.32	14.93	21.68	15.93	7.04
21	14.52	27.86	35.08	31.58	54.63	30.11	32.19	12.85	24.94	20.64	11.88	3.44
22	8.66	28.38	41.33	32.70	21.28	36.34	16.84	22.63	9.78	21.56	3.93	5.41
23	3.08	28.12	17.56	29.41	20.26	31.93	17.76	8.37	26.10	11.72	13.82	8.81
24	8.48	24.59	38.83	49.38	37.53	54.02	42.29	19.34	28.06	19.60	15.42	8.12
25	8.22	27.54	32.25	21.62	21.21	32.93	21.13	34.71	14.99	23.99	14.32	3.44
26	8.47	29.11	35.34	48.20	50.46	23.56	46.96	14.17	21.47	21.24	2.15	5.08
27	5.11	25.75	36.48	43.19	25.95	23.27	43.75	8.94	16.52	20.42	8.61	10.71
28	14.86	29.05	39.50	55.05	27.44	26.25	52.81	14.83	27.42	22.95	8.99	12.66
29	12.00		23.60	39.59	17.17	41.52	21.96	16.57	19.49	22.51	1.11	8.60
30	10.47		23.66	22.50	37.54	56.01	38.98	12.92	4.05	22.20	9.15	7.64
31	16.86		42.21		28.10		18.71	14.33		21.77		8.38
Sum	258.41	518.85	849.36	971.79	1028.65	1268.04	1005.52	701.35	680.35	637.46	372.92	266.98

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-372	-586	-42	429	874	695	236	-18	247	120	-21	-103
2	-155	-326	38	178	619	888	281	521	730	504	-25	-5
3	-141	-222	123	325	633	1102	453	552	296	377	-66	-312
4	-108	-144	85	189	1123	898	344	407	226	440	-78	-149
5	-41	14	-135	739	658	367	314	-71	380	288	-120	-51
6	-246	-110	41	-11	693	240	1053	159	708	-58	-56	-55
7	-100	-231	-4	-41	460	740	1177	936	455	310	82	-83
8	-126	20	-146	161	1158	1087	699	803	716	315	-2	-468
9	-162	-263	-19	381	1200	991	892	560	678	317	-48	1
10	-385	-205	-92	635	1143	1307	375	662	690	253	-123	-254
11	-569	-199	68	423	1207	903	875	656	705	219	-81	-262
12	-284	-221	-87	632	1019	882	452	425	305	1	-91	-440
13	19	-200	19	185	333	1362	1341	748	181	-174	-148	-409
14	-23	-146	2	893	217	1696	1185	520	56	-32	-72	-365
15	-52	-505	65	-122	252	1217	606	1030	195	151	-166	-97
16	-54	-77	431	85	209	1272	613	940	328	132	-216	-254
17	-325	-98	310	116	-18	1028	1155	185	15	307	-135	39
18	-449	-63	317	486	-20	1346	925	167	158	93	-35	-127
19	-65	-108	-39	294	524	1386	518	337	153	165	-26	-189
20	-271	-226	-77	465	1146	856	180	348	101	166	-131	33
21	-469	-331	104	360	1303	551	808	213	433	130	-98	-65
22	-136	-208	481	460	176	744	303	509	-23	117	58	-259
23	-35	-233	48	408	241	605	363	68	529	149	-187	-309
24	-66	-94	331	987	800	1268	846	219	542	87	-202	-158
25	-10	-54	215	198	502	688	396	713	223	66	-249	-26
26	-94	-12	134	886	1024	410	1158	110	284	21	-31	-460
27	-207	43	346	674	437	318	961	-17	208	116	-123	-452
28	-408	0	134	963	608	471	1241	135	326	67	39	-506
29	-32		286	734	313	984	348	132	312	-15	-129	-196
30	-178		256	273	835	1369	776	27	39	-68	-53	-271
31	-435		701		607		155	78		-204		-34
Sum	-5979	-4785	3894	12385	20276	27671	21029	12054	10196	4360	-2533	-6286

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	4.8	7.2	7.1	7.8	5.8	5.3	0.0	0.4	0.0	0.1	7.7	2.6
2	0.6	6.1	8.9	2.2	2.8	6.9	0.5	2.7	5.9	9.3	0.0	3.0
3	0.0	5.8	8.9	2.5	5.1	10.7	0.2	6.7	4.3	9.1	6.0	3.7
4	1.4	1.1	0.1	5.0	11.5	9	1.3	1.4	5.2	9.1	0.7	1.4
5	0.0	0.2	0.0	9.5	5.0	1.8	2.7	0.0	4.6	7.1	6.1	2.1
6	0.0	0.0	6.6	2.8	3.7	4.7	8.7	0.6	10.9	0.0	6.3	0.0
7	0.0	0.0	8.8	5.4	0.9	9.3	9.9	10.6	6.8	4.2	4.8	0.0
8	0.7	0.2	2.5	3.8	9.7	9.5	8.1	6.4	10.0	8.4	0.9	5.9
9	1.8	2.4	0.0	9.8	12.5	9.9	6.8	4.3	10.3	8.9	1.5	0.0
10	2.8	0.1	2.9	9.4	13.9	12.1	2.1	7.6	10.6	5.8	7.4	4.6
11	6.8	0.0	4.5	4.3	12.5	7.6	5.5	8.4	10.0	2.1	6.9	5.2
12	5.7	5.2	1.9	4.3	10.0	8	3.9	4.4	4.9	2.2	7.0	5.5
13	0.0	5.0	5.4	0.0	0.7	7.6	13.2	7.3	2.2	0.0	6.7	6.4
14	0.0	6.4	0.0	6.0	0.0	11.3	7.5	6.8	0.0	2.1	6.4	6.5
15	0.1	8.0	6.3	0.0	0.0	12.4	3.9	11.1	3.2	4.4	7.0	1.1
16	0.0	0.8	6.9	0.2	0.0	11.6	5.0	10.3	0.6	4.0	7.0	0.1
17	2.1	0.2	1.7	0.0	0.5	8.8	7.8	0.2	0.0	8.4	7.1	0.6
18	6.6	0.0	6.6	1.8	0.0	12.4	5.0	1.4	0.1	0.9	0.0	3.5
19	0.9	1.2	3.3	0.0	3.7	13.1	3.2	2.8	0.2	6.2	0.0	5.8
20	1.8	2.3	1.0	4.6	7.1	8.2	1.2	0.2	2.2	7.0	6.9	0.0
21	5.4	8.0	6.5	4.1	9.6	5.7	3.4	1.4	6.6	5.3	3.5	0.0
22	0.2	8.6	4.7	3.7	1.5	7.2	0.2	3.4	1.3	8.0	0.0	1.2
23	0.0	8.2	0.4	3.2	0.4	5.2	1.6	0.0	5.5	3.5	6.7	2.8
24	0.4	6.4	5.8	8.0	4.5	11.1	10.2	1.1	5.1	6.0	6.7	0.2
25	0.0	8.1	1.6	0.1	0.6	5.1	3.1	5.0	2.6	8.1	6.5	0.0
26	0.0	8.7	8.0	9.6	10.1	1.3	9.9	1.9	4.6	7.8	0.0	3.5
27	0.0	6.8	7.4	9.0	2.5	3.6	8.7	0.0	2.5	6.6	2.6	4.6
28	4.8	6.9	6.4	12.2	2.4	4.4	11.4	1.1	7.3	7.8	2.1	5.1
29	0.9	0.0	5.8	0.2	6.3	3.2	0.4	4.1	7.6	0.0	1.6	
30	0.2	0.0	1.7	4.1	11	9.6	0.0	0.0	7.6	1.9	0.3	
31	4.1		9.8		2.8		2.1	0.6		7.8		1.2
Sum	52.1	113.9	134.0	136.8	144.1	241.1	159.9	108.5	131.6	175.4	126.4	78.5

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-3.6	-4.9	-0.7	6.7	7.0	1.9	9.8	12.4	5.1	2.5	7.5	-2.4
2	-2.3	-0.7	4.3	-0.8	4.3	4.2	8.7	8.9	5.4	7.1	1.0	-2.4
3	-2.2	2.5	4.6	-5.5	-2.4	6.7	8.4	9.5	7.2	10.3	1.2	-7.8
4	-2.9	-1.4	1.9	-6.9	1.8	9.0	9.8	10.2	7.8	10.9	4.1	-4.0
5	-3.6	-4.7	-7.0	-1.3	3.3	8.5	11.7	9.6	5.3	8.8	1.0	-3.3
6	-4.4	-4.3	-10.6	-9.2	-1.0	8.5	14.0	7.1	7.6	5.6	0.6	-5.3
7	-8.2	0.4	-5.9	-9.4	0.9	10.0	16.9	12.3	8.2	3.5	2.4	-7.3
8	-10.7	-0.3	-10.0	-8.6	-2.2	10.9	18.2	14.4	9.5	3.4	-2.3	-3.6
9	-10.8	-5.0	-12.2	-2.7	6.1	10.6	16.5	12.3	11.7	0.2	-1.3	-1.6
10	-10.8	-5.2	-10.8	2.5	12.1	9.4	13.1	13.7	11.0	2.3	7.8	-3.2
11	-7.8	-14.0	-3.3	1.3	13.3	9.7	14.7	12.7	10.9	3.2	10.5	-4.7
12	-3.9	-20.2	-3.1	2.8	11.8	10.4	13.2	9.9	11.1	-1.0	9.2	-2.6
13	-10.3	-15.3	-2.2	-1.4	5.8	2.9	16.9	12.8	10.1	-3.0	8.0	-1.3
14	-11.0	-11.8	-3.6	-6.1	3.7	6.0	18.0	15.3	8.6	-2.2	4.9	-1.8
15	-13.5	-10.9	-5.0	-6.4	3.3	10.8	14.4	17.0	11.3	1.6	5.8	-1.0
16	-15.6	-6.9	-5.9	-4.0	3.6	12.5	14.8	17.0	12.4	1.1	5.2	1.8
17	-14.9	-2.2	-7.4	-2.8	2.9	12.9	15.5	7.6	8.1	1.2	4.0	-6.5
18	-10.4	-4.7	-9.6	-1.6	1.6	15.2	15.7	5.1	4.3	0.1	-3.4	-2.3
19	-7.1	-1.0	-11.2	-1.4	2.8	16.1	12.2	7.9	3.0	4.8	3.5	-2.2
20	-0.5	-3.3	-11.7	-0.1	1.8	15.1	9.3	9.1	0.7	12.0	2.7	-10.9
21	1.5	5.9	-7.8	1.1	5.0	15.7	9.1	9.6	1.1	8.9	4.1	-14.3
22	1.0	10.8	-9.6	-0.5	4.1	16.4	8.4	11.1	-0.5	1.5	-3.3	-14.3
23	-0.4	6.8	-6.5	-4.2	2.3	16.6	10.4	9.7	4.2	-3.0	-3.9	-6.5
24	-4.2	6.8	-4.8	-2.2	5.1	19.6	12.8	6.7	5.2	-0.4	-0.1	-0.8
25	-8.6	8.4	-2.8	-3.8	5.8	14.6	12.2	5.6	6.9	9.4	2.2	-7.7
26	-11.6	4.8	1.4	-4.7	4.9	10.7	15.7	5.2	9.7	5.7	-0.6	-8.9
27	-12.1	-4.3	2.1	-3.6	6.3	10.7	16.7	3.8	9.5	3.3	-1.8	-4.9
28	-6.9	-1.8	-4.0	1.5	3.9	12.5	17.0	4.7	9.3	8.8	-1.3	0.0
29	-4.7		-1.0	4.8	1.4	15.6	13.2	4.8	8.3	11.2	-7.0	-2.1
30	-6.8		4.1	4.7	1.8	16.4	14.9	4.7	4.8	10.9	-7.8	0.0
31	-9.6		8.4		1.3		13.2	5.3		11.1		3.6
Average	-7.0	-2.7	-4.2	-2.1	3.9	11.3	13.4	9.5	7.3	4.5	1.8	-4.1

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-6.2	-10.4	-4.2	1.6	4.1	-0.4	7.6	10.0	3.8	0.8	2.4	-8.6
2	-4.9	-4.9	1.4	-5.5	-1.9	-0.2	7.3	6.2	3.5	2.4	-1.8	-4.6
3	-4.0	-1.7	1.7	-8.1	-5.2	1.3	6.4	6.0	3.3	7.3	-3.1	-10.3
4	-4.2	-4.9	-1.8	-9.1	-5.4	3.6	7.0	7.6	4.2	7.9	2.4	-7.8
5	-5.8	-6.2	-13.2	-7.8	-3.4	6.2	8.3	8.0	2.7	6.8	-2.9	-5.3
6	-6.5	-6.3	-13.3	-12.8	-5.2	5.7	9.3	5.6	3.9	2.3	-3.3	-7.0
7	-11.3	-4.0	-10.9	-13.2	-5.9	6.6	11.7	6.3	4.0	0.8	-1.7	-9.8
8	-12.6	-5.6	-14.6	-12.1	-6.1	6.8	14.2	11.2	5.3	-2.2	-4.2	-9.3
9	-12.6	-8.0	-15.4	-10.1	-2.5	7.3	12.6	9.1	8.2	-3.8	-4.2	-3.9
10	-13.6	-9.8	-13.3	-1.3	8.6	6.0	9.2	10.9	7.3	-1.5	2.8	-5.1
11	-11.2	-22.4	-9.8	-0.7	9.5	6.5	11.2	8.8	6.7	-0.5	6.6	-6.4
12	-8.2	-22.9	-6.0	0.5	6.9	3.7	11.4	7.2	8.0	-2.8	6.8	-5.8
13	-12.0	-20.2	-6.0	-6.6	3.4	1.4	12.4	7.5	8.0	-5.0	0.5	-2.8
14	-12.5	-14.7	-6.7	-8.1	2.3	1.8	11.9	11.4	6.8	-5.1	1.6	-4.9
15	-15.7	-13.3	-7.9	-8.1	2.1	5.5	12.3	12.7	7.5	-0.8	0.7	-5.6
16	-16.7	-9.6	-7.3	-7.4	1.5	8.4	12.1	13.1	9.8	-1.5	-1.4	-1.6
17	-17.0	-7.4	-9.6	-4.6	1.1	8.4	12.9	3.3	4.1	-2.6	0.1	-8.3
18	-13.8	-6.5	-13.3	-4.1	0.3	10.4	12.8	2.9	3.2	-3.2	-4.9	-8.5
19	-10.3	-6.7	-13.9	-2.8	-0.2	11.6	9.2	4.3	0.3	0.9	-2.9	-10.4
20	-5.6	-5.9	-14.2	-2.7	-0.3	11.5	7.0	7.1	-1.5	6.4	-0.3	-14.2
21	-2.5	0.0	-13.1	-2.1	-0.1	12.6	6.2	7.8	-1.8	0.4	-3.0	-16.2
22	-0.9	6.9	-11.4	-5.8	1.5	13.3	6.2	7.7	-1.9	-2.7	-5.4	-16.9
23	-1.6	3.9	-9.1	-6.4	0.5	13.9	7.5	8.0	-2.0	-4.9	-8.4	-11.5
24	-7.8	4.0	-7.6	-6.2	0.2	15.6	9.2	2.8	2.5	-5.9	-4.0	-4.6
25	-10.7	5.4	-8.1	-8.4	-0.5	10.4	9.9	1.9	2.6	3.4	-1.7	-14.7
26	-14.0	-1.1	-1.3	-9.6	-0.6	8.4	11.0	3.3	5.4	0.4	-3.5	-13.4
27	-14.3	-7.9	-3.1	-8.6	3.8	8.0	13.2	2.5	7.3	-0.9	-5.2	-7.7
28	-12.3	-8.0	-6.8	-4.4	1.4	8.9	13.2	2.0	6.7	4.2	-2.9	-4.1
29	-6.6		-5.4	2.0	-0.7	11.4	10.8	3.6	6.6	8.4	-11.0	-5.0
30	-14.0		-0.1	3.2	-1.1	10.7	9.8	3.4	2.2	9.2	-9.9	-5.0
31	-12.4		6.1		-0.1		10.8	2.9		7.1		1.0
Extreme	-17.0	-22.9	-15.4	-13.2	-6.1	-0.4	6.2	1.9	-2.0	-5.9	-11.0	-16.9

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-0.4	1.4	3.7	12.1	11.8	5.2	12.0	14.8	6.9	4.6	13.3	3.4
2	0.0	4.8	9.4	4.6	10.5	9.1	11.5	12.3	9.3	11.0	3.1	2.2
3	-0.7	6.3	9.8	-1.6	1.1	12.3	11.0	13.7	10.8	12.9	4.9	-4.5
4	-1.2	3.9	5.1	-3.0	7.6	13.7	13.3	13.0	12.0	15.8	7.3	2.1
5	-1.6	-2.6	-1.1	5.8	8.6	12.4	14.0	11.2	10.4	10.8	5.5	2.0
6	-1.8	-3.1	-5.1	-4.3	2.3	11.3	18.3	9.0	11.9	8.8	4.8	-3.5
7	-5.2	4.3	-0.5	-3.8	5.8	14.2	21.2	16.1	12.8	8.1	7.0	-4.3
8	-6.5	2.8	-5.2	-3.8	3.9	14.7	22.2	17.8	13.6	10.1	1.7	2.3
9	-6.5	-1.1	-8.6	2.1	10.4	15.7	20.5	15.4	14.9	6.2	3.2	1.9
10	-6.4	-0.3	-4.9	6.6	16.0	13.1	15.8	18.0	15.2	6.3	11.4	0.4
11	-1.7	-6.0	2.9	3.5	17.1	15.2	19.1	16.8	15.9	8.2	16.0	-1.8
12	2.0	-17.4	1.2	6.2	17.2	15.4	17.4	12.9	15.9	3.2	13.9	-0.3
13	-5.8	-11.7	1.2	2.1	8.2	4.7	19.1	17.1	13.5	-1.7	12.0	1.7
14	-8.9	-9.3	-1.0	-2.5	5.0	11.4	22.0	19.4	10.4	0.7	9.9	2.7
15	-9.0	-6.7	-0.8	-3.7	5.6	14.9	16.8	22.2	15.0	5.7	11.6	2.6
16	-14.3	-1.5	-3.7	-0.4	5.2	16.7	19.1	21.6	15.6	6.6	9.6	3.6
17	-9.8	1.3	-4.3	1.4	5.2	18.4	19.8	13.8	10.2	8.0	10.0	-0.8
18	-6.4	-2.5	-6.4	2.5	3.0	20.5	19.8	8.2	6.0	3.6	0.6	2.4
19	-2.5	6.0	-6.0	0.7	6.6	21.0	17.2	11.3	5.5	9.2	6.4	4.9
20	3.3	0.6	-8.2	3.7	4.8	19.8	11.9	11.2	3.5	16.1	6.1	-9.1
21	6.9	11.9	-2.0	4.9	8.5	19.2	13.8	12.2	6.3	16.3	10.1	-12.5
22	3.1	17.2	-7.6	4.9	6.8	20.2	10.6	15.8	2.4	6.0	-1.7	-10.2
23	1.4	10.5	-4.1	0.8	5.9	20.6	13.3	11.6	9.0	0.7	1.8	-2.3
24	-0.3	10.9	-1.4	3.6	8.9	24.4	16.2	10.4	8.0	3.8	6.1	2.5
25	-5.9	13.3	1.5	-0.6	11.5	20.0	14.6	9.2	10.9	14.8	5.9	-1.8
26	-8.9	9.2	5.6	2.1	9.8	14.0	19.7	9.0	14.1	11.6	2.4	-2.8
27	-9.7	0.9	7.0	2.0	11.4	13.5	22.6	5.5	14.0	6.4	1.8	-0.4
28	-1.0	2.5	0.5	5.3	8.4	17.0	21.6	7.7	13.0	13.5	1.2	4.9
29	-2.5		2.3	9.7	3.5	19.8	16.4	6.0	12.7	14.1	-2.4	2.8
30	-1.8		7.0	6.6	5.2	22.6	19.6	6.3	7.1	13.7	-5.2	4.2
31	-4.5		13.7		5.1		15.6	9.1		14.5		7.3
Extreme	6.9	17.2	13.7	12.1	17.2	24.4	22.6	22.2	15.9	16.3	16.0	7.3

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	69	29	60	76	89	85	99	89	97	97	47	85
2	80	76	42	90	96	83	96	98	90	78	98	91
3	89	81	40	84	84	78	92	89	90	61	88	56
4	89	88	60	82	67	80	93	96	89	76	88	46
5	94	96	94	62	75	89	90	98	89	83	73	92
6	82	96	76	80	81	86	89	97	64	90	70	96
7	93	94	51	75	90	76	82	86	73	95	69	93
8	90	95	80	78	76	72	82	88	77	60	95	57
9	87	88	86	58	54	78	83	96	56	59	86	80
10	76	92	75	57	43	74	94	85	65	76	28	77
11	60	89	59	76	53	78	87	84	78	87	47	85
12	45	83	85	91	62	85	90	93	82	93	54	47
13	92	83	75	95	97	90	72	88	96	92	44	54
14	92	76	93	82	100	77	75	86	100	89	76	73
15	90	54	66	95	99	70	93	79	91	89	58	68
16	89	65	76	94	96	66	85	81	89	88	33	68
17	88	81	92	96	95	82	89	100	98	74	47	89
18	59	94	84	93	95	75	88	97	100	96	96	76
19	89	68	77	100	89	72	90	91	99	82	94	77
20	69	67	86	85	84	81	93	92	97	63	85	92
21	47	28	76	84	72	84	90	98	87	55	61	89
22	87	35	88	87	82	84	96	94	95	79	98	89
23	99	41	90	83	89	93	93	99	81	83	80	70
24	94	63	92	72	83	68	80	99	77	73	53	88
25	91	41	76	88	97	95	90	91	98	33	51	93
26	92	59	64	77	70	94	87	86	94	53	96	32
27	90	81	69	76	79	92	82	99	96	82	89	71
28	66	57	75	64	94	91	75	97	78	54	91	65
29	93		85	84	97	90	95	95	77	38	95	86
30	91		96	93	91	78	82	97	100	33	90	85
31	32		78		91		87	96		21		91
Average	81	71	76	82	83	82	88	92	87	72	73	76

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	808.7	801.1	827.9	819.3	815.1	820.5	818.3	817.0	820.6	826.7	812.7	801.2
2	814.2	806.9	830.7	813.2	810.0	824.1	819.1	818.5	825.4	823.8	806.3	800.2
3	813.0	807.7	827.0	811.5	816.0	827.5	819.1	822.0	824.7	822.4	810.8	806.0
4	812.4	809.0	816.1	814.0	814.5	828.2	819.1	820.9	823.1	824.0	811.0	804.7
5	807.3	814.2	812.2	805.9	808.8	824.8	819.9	813.5	826.0	823.4	818.9	803.5
6	808.5	811.0	820.5	801.9	811.7	824.0	823.1	811.8	827.9	822.8	825.2	805.9
7	807.4	804.6	815.8	805.5	810.0	824.7	826.3	818.2	828.8	825.7	817.8	807.5
8	809.3	796.8	811.9	814.0	818.2	824.5	829.2	821.8	828.7	828.0	818.1	806.7
9	812.7	800.3	813.1	819.1	822.1	823.8	826.4	826.2	825.8	827.7	826.8	805.4
10	815.4	802.1	812.6	819.5	822.2	822.9	825.2	826.0	824.8	825.6	828.9	802.3
11	814.0	804.9	810.3	819.2	820.2	822.1	824.7	825.2	824.5	820.8	825.8	809.7
12	806.8	811.4	808.4	818.8	814.1	820.5	823.0	827.9	823.8	814.6	822.8	816.1
13	802.6	818.1	808.5	816.9	807.5	819.0	821.8	829.8	823.5	815.5	818.8	819.4
14	802.0	822.6	805.8	813.1	809.5	822.8	823.0	828.8	824.4	820.8	821.7	821.6
15	807.0	822.4	805.3	813.9	813.7	823.8	822.2	825.1	823.9	819.5	826.7	824.4
16	807.0	816.4	806.8	814.6	811.1	825.0	823.1	820.5	821.4	819.8	824.6	825.4
17	806.8	812.0	809.1	816.0	809.0	827.0	822.9	818.8	816.2	820.4	819.7	821.3
18	810.5	816.4	810.6	816.4	809.7	827.1	822.3	819.9	815.4	823.6	821.3	822.0
19	810.4	818.1	810.0	815.3	814.2	825.2	821.5	821.3	815.7	826.4	820.5	811.4
20	811.4	821.7	813.7	814.0	816.0	822.6	821.2	823.7	818.1	821.6	819.8	808.6
21	809.2	824.4	808.4	815.5	817.3	820.0	824.7	825.5	823.5	812.2	812.7	813.5
22	805.2	826.4	808.1	815.9	814.4	821.4	825.7	825.2	821.0	814.9	814.8	817.0
23	801.6	831.6	813.7	818.8	818.2	825.9	823.9	822.4	819.6	820.7	820.0	811.2
24	797.5	835.0	816.8	820.4	822.8	825.9	823.2	821.8	815.5	828.0	820.1	801.6
25	796.9	832.2	818.4	816.6	818.6	822.8	823.0	820.2	823.2	826.6	811.6	804.6
26	804.5	826.0	821.7	815.0	820.6	823.1	822.8	814.4	826.1	823.5	800.6	808.1
27	806.4	823.8	821.8	813.2	819.6	824.1	823.9	815.8	823.9	826.4	797.6	808.6
28	802.9	826.9	825.0	813.2	820.0	824.9	822.6	818.5	823.9	827.2	797.5	807.0
29	797.3		828.4	812.5	819.4	822.3	821.8	816.0	824.6	824.6	796.3	807.0
30	796.2		829.2	814.7	820.6	818.8	821.2	815.2	827.1	822.0	799.7	815.5
31	800.8		827.3		820.5		819.3	816.2		820.3		818.7
Average	806.6	815.9	816.0	814.6	815.7	823.6	822.7	820.9	823.0	822.6	815.6	810.8

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.1	-0.2	0.0	-0.1	0.0	4.0	14.3	13.4	6.8	7.5	5.6	1.2
2	0.1	-0.2	0.0	0.0	0.0	4.5	13.2	13.1	7.2	7.2	5.1	1.2
3	0.0	-0.2	0.0	0.0	0.1	5.6	12.2	12.7	7.6	7.5	4.1	1.3
4	0.0	-0.1	0.0	0.0	0.5	6.8	11.9	12.5	7.9	8.1	4.1	1.2
5	0.0	-0.1	0.0	0.0	1.6	7.5	12.1	11.7	8.0	8.3	3.5	1.2
6	0.0	-0.1	0.0	0.0	1.7	7.5	13.1	10.7	7.7	7.5	2.7	1.4
7	-0.1	0.0	0.0	0.0	1.4	8.0	14.4	11.2	8.1	6.9	2.5	1.4
8	-0.2	0.0	-0.1	0.0	1.3	8.7	15.4	12.3	8.8	6.3	2.6	1.4
9	-0.2	0.0	-0.2	-0.1	2.3	9.4	15.6	13.0	9.2	5.2	2.3	1.2
10	-0.3	0.0	-0.2	-0.1	4.5	9.9	14.8	13.2	9.4	5.0	2.3	1.0
11	-0.3	0.0	-0.4	-0.1	6.7	10.0	15.0	13.2	9.8	5.5	3.2	0.9
12	-0.4	0.0	-0.2	0.0	8.1	10.4	14.8	13.0	10.2	5.2	3.8	0.9
13	-0.4	0.0	-0.2	0.0	7.9	8.9	14.9	13.1	10.3	4.3	4.2	1.0
14	-0.4	0.0	-0.2	0.0	7.0	7.9	15.6	13.6	10.3	3.9	3.9	1.0
15	-0.5	0.0	-0.3	0.0	6.4	8.9	15.0	14.3	10.3	3.8	3.7	1.0
16	-0.5	-0.1	-0.7	0.0	5.9	10.0	15.3	15.1	10.8	4.1	3.6	1.0
17	-0.5	-0.1	-0.7	0.0	4.8	10.7	15.2	14.2	10.6	3.8	3.0	1.0
18	-0.5	-0.1	-1.2	0.0	2.3	12.0	15.6	12.6	9.6	3.9	2.6	1.0
19	-0.5	-0.1	-1.4	0.0	3.1	13.0	15.3	11.9	8.7	4.4	2.8	1.1
20	-0.4	-0.1	-1.7	0.0	3.5	13.8	14.2	11.8	7.6	5.5	3.2	1.2
21	-0.3	-0.1	-1.6	0.0	4.3	14.1	13.4	11.8	6.8	6.5	3.0	1.3
22	-0.2	-0.1	-1.3	0.0	4.5	14.9	12.8	12.0	6.2	5.7	2.7	1.4
23	-0.2	0.0	-1.8	0.0	4.2	15.2	12.7	11.7	6.2	4.6	2.3	1.4
24	-0.2	0.0	-1.3	0.0	4.5	16.0	13.0	11.3	6.5	3.8	1.9	1.5
25	-0.2	0.0	-1.0	0.0	5.7	15.8	12.7	10.7	6.8	4.0	1.6	1.5
26	-0.2	0.0	-0.6	0.0	5.8	14.6	13.4	9.8	7.9	4.6	1.5	1.6
27	-0.2	0.0	-0.3	0.0	5.9	13.8	14.6	9.1	8.5	4.4	1.5	1.7
28	-0.2	0.0	-0.2	0.0	6.1	13.4	15.1	8.4	8.7	4.9	1.4	1.7
29	-0.2		-0.2	0.0	5.5	14.3	15.0	8.2	8.5	5.6	1.4	1.8
30	-0.2		-0.1	0.0	5.0	15.3	14.7	7.5	8.2	5.8	1.3	1.8
31	-0.1		-0.1		4.3		14.2	7.4		5.8		0.9
Average	-0.2	-0.1	-0.5	0.0	4.0	10.8	14.2	11.8	8.4	5.5	2.9	1.3

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.3	0.2	0.2	-0.1	0.6	4.1	14.4	13.7	7.1	7.9	6.0	1.8
2	0.3	0.2	0.2	-0.1	1.1	4.3	13.5	13.2	7.3	7.5	5.7	1.8
3	0.2	0.2	0.3	-0.1	1.4	5.0	12.6	12.9	7.6	7.6	4.8	1.8
4	0.1	0.2	0.3	0.0	1.4	6.0	12.0	12.6	8.0	8.0	4.3	1.9
5	0.1	0.2	0.4	0.0	1.8	6.8	12.0	12.0	8.1	8.4	4.0	1.9
6	0.1	0.2	0.4	0.0	2.0	7.2	12.4	11.1	8.0	8.0	3.4	1.9
7	0.0	0.3	0.4	0.0	1.7	7.4	13.5	11.1	8.2	7.2	3.2	2.0
8	0.0	0.1	0.3	0.1	1.6	8.0	14.6	11.8	8.7	6.9	3.2	2.1
9	0.0	0.2	0.3	0.1	1.8	8.7	15.1	12.6	9.2	6.3	3.0	1.9
10	0.0	0.2	0.2	0.1	3.4	9.2	14.7	12.9	9.5	5.8	2.9	1.6
11	0.0	0.3	0.1	0.1	5.4	9.4	14.6	13.0	9.8	6.0	3.3	1.4
12	0.0	0.4	0.1	0.1	7.0	9.8	14.6	13.0	10.1	6.0	4.0	1.4
13	0.0	0.5	0.1	0.1	7.6	9.3	14.4	12.9	10.3	5.4	4.3	1.6
14	0.0	0.4	0.1	0.1	7.1	8.0	15.0	13.2	10.3	4.8	4.3	1.6
15	0.0	0.4	0.0	0.1	6.5	8.3	15.0	13.8	10.2	4.6	4.2	1.6
16	0.0	0.3	0.0	0.1	5.9	9.3	15.1	14.5	10.5	4.7	4.1	1.6
17	0.0	0.2	-0.1	0.1	5.2	10.0	15.1	14.5	10.6	4.6	3.7	1.6
18	0.0	0.2	-0.2	0.2	3.2	11.0	15.3	13.4	10.0	4.6	3.5	1.6
19	0.0	0.2	-0.4	0.2	3.2	12.1	15.3	12.4	9.2	4.8	3.2	1.8
20	0.0	0.2	-0.6	0.2	3.5	13.1	14.6	12.0	8.4	5.4	3.5	1.8
21	0.0	0.2	-0.7	0.2	3.8	13.5	13.7	11.9	7.7	6.4	3.4	1.8
22	0.0	0.2	-0.7	0.2	4.4	14.1	13.1	11.9	7.2	6.3	3.3	2.0
23	0.1	0.2	-0.9	0.2	4.2	14.5	12.9	11.8	6.7	5.6	3.0	2.1
24	0.0	0.1	-0.8	0.3	4.2	15.1	12.9	11.5	6.9	4.8	2.6	2.1
25	0.0	0.1	-0.6	0.3	5.0	15.4	12.8	10.9	7.0	4.6	2.3	2.1
26	0.1	0.2	-0.4	0.3	5.4	14.8	12.9	10.4	7.6	5.0	2.1	2.2
27	0.1	0.2	-0.2	0.3	5.6	14.0	13.9	9.8	8.3	5.0	2.0	2.3
28	0.1	0.2	-0.1	0.2	5.8	13.5	14.5	9.0	8.6	5.2	1.9	2.3
29	0.1		-0.1	0.2	5.6	13.7	14.8	8.7	8.6	5.7	1.8	2.3
30	0.2		-0.1	0.4	5.1	14.5	14.6	8.0	8.5	6.0	1.8	2.3
31	0.2		-0.1		4.6		14.4	7.8		6.1		1.4
Average	0.1	0.2	-0.1	0.1	4.0	10.3	14.0	11.9	8.6	6.0	3.4	1.9

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-4.8	-7.7	-0.2	6.3	7.9	2.4	11.2	11.6	5.4	3.2	7.9	-2.6
2	-3.3	-3.0	3.9	-0.2	5.0	5.9	9.7	11.0	6.3	8.3	1.1	-1.4
3	-2.5	0.6	4.2	-4.6	-0.8	8.4	8.7	9.9	7.2	11.1	0.6	-6.9
4	-3.1	-1.8	1.6	-5.4	3.2	10.7	10.4	11.0	7.5	11.0	3.8	-5.1
5	-3.3	-2.9	-5.5	-0.1	4.0	9.1	11.8	9.4	6.1	8.8	1.6	-2.4
6	-4.9	-2.3	-8.8	-7.2	0.0	8.6	15.2	7.5	8.6	5.4	0.8	-2.7
7	-6.2	-0.9	-5.0	-8.0	1.3	10.8	18.0	13.6	8.6	5.3	3.0	-5.0
8	-6.4	-0.3	-9.0	-7.9	-0.5	12.0	18.8	15.4	11.1	4.8	-1.3	-5.8
9	-9.2	-3.2	-10.5	-2.7	7.1	11.4	16.7	13.5	11.8	2.2	-1.0	-2.7
10	-11.3	-3.6	-10.0	3.0	12.7	10.8	13.6	13.9	11.5	3.4	6.2	-4.1
11	-9.2	-6.7	-3.8	1.2	14.8	11.1	15.9	13.7	12.1	4.4	9.0	-4.7
12	-6.4	-13.4	-3.3	3.1	13.6	11.9	13.5	10.8	11.5	0.0	8.0	-5.1
13	-8.0	-12.9	-2.8	-0.6	6.4	3.1	17.5	14.2	10.3	-2.2	7.4	-3.6
14	-5.2	-11.1	-3.2	-5.3	4.8	6.4	18.6	15.6	8.9	-2.1	4.6	-3.4
15	-7.9	-9.9	-5.5	-3.9	4.0	13.2	15.0	17.4	10.9	1.5	5.6	-3.0
16	-5.8	-6.9	-5.6	-2.2	4.1	13.4	15.7	18.6	12.4	1.6	4.2	-1.4
17	-10.6	-3.8	-5.0	-0.6	2.6	14.7	16.8	9.6	8.8	2.3	2.9	-3.6
18	-10.3	-2.9	-7.3	-0.2	0.9	17.7	16.9	6.8	5.9	1.1	-2.3	-0.8
19	-5.9	-2.4	-8.2	-0.6	2.9	18.7	12.7	8.2	4.5	4.9	3.2	-2.7
20	-3.1	-2.9	-7.0	-0.2	2.4	16.5	10.2	9.7	1.7	12.2	3.0	-2.2
21	-1.7	-2.0	-5.0	1.0	5.9	16.0	10.3	10.2	2.8	9.7	3.6	-2.8
22	-0.3	-0.3	-6.3	0.3	4.3	16.5	9.7	12.2	0.5	2.8	-1.9	-6.2
23	-0.7	0.5	-5.2	-3.1	2.6	17.3	11.4	9.9	5.3	-2.1	-3.5	-7.3
24	-3.2	3.6	-3.7	-1.3	5.5	20.1	13.1	7.6	5.5	-0.1	-1.6	-1.6
25	-4.1	5.3	-2.6	-3.0	6.7	15.2	12.2	7.2	7.4	8.9	1.0	-3.3
26	-6.6	3.9	0.2	-2.4	5.9	11.6	16.8	5.3	10.0	5.8	-0.7	-8.4
27	-7.4	-4.0	2.0	-1.8	7.1	11.0	18.1	4.0	9.9	3.7	-2.0	-6.2
28	-7.2	-1.4	-2.6	3.0	5.6	12.7	18.0	4.8	9.5	8.6	-1.6	-3.7
29	-3.9		-0.5	5.3	2.6	16.8	13.7	4.6	8.6	10.9	-1.7	-2.8
30	-3.7		3.4	4.7	2.5	17.5	15.4	5.2	5.6	10.6	-4.2	-2.4
31	-8.0		8.1		1.5		12.7	5.5		11.3		2.0
Average	-5.6	-3.3	-3.3	-1.1	4.7	12.4	14.1	10.3	7.9	5.1	1.9	-3.6

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-6.8	-10.7	-4.3	0.9	3.2	-0.9	7.1	8.6	3.6	-0.4	0.8	-8.4
2	-6.5	-7.1	-0.5	-5.6	-1.7	-1.4	5.9	4.4	3.4	-0.2	-1.6	-4.1
3	-4.1	-2.5	-1.0	-8.2	-5.6	0.0	6.4	4.0	1.0	5.6	-4.2	-10.4
4	-4.9	-5.2	-1.8	-9.5	-5.7	2.0	5.7	6.0	1.4	4.8	1.7	-9.3
5	-7.8	-4.0	-13.0	-9.0	-3.0	4.4	6.3	7.5	-0.2	4.7	-4.6	-3.8
6	-8.1	-3.6	-13.0	-13.1	-5.7	3.3	7.7	3.8	-0.8	2.4	-4.8	-5.0
7	-8.7	-3.2	-12.8	-14.0	-5.9	4.9	10.4	4.2	-0.2	-0.2	-1.3	-8.5
8	-8.9	-3.2	-16.9	-13.0	-6.1	5.3	13.2	9.7	3.4	-2.8	-4.9	-9.5
9	-13.9	-5.1	-17.4	-11.3	-4.3	5.7	12.0	7.8	2.7	-4.0	-5.0	-5.7
10	-14.5	-6.9	-14.5	-3.1	6.7	4.5	8.5	8.5	2.0	-3.2	0.1	-6.7
11	-12.8	-12.1	-13.5	-0.7	8.8	3.9	9.6	7.2	3.0	-1.9	2.5	-7.2
12	-12.5	-17.6	-8.0	0.2	6.2	2.6	10.7	4.9	5.5	-4.4	2.4	-7.6
13	-12.0	-16.9	-8.0	-6.7	3.7	1.2	10.3	5.1	5.7	-5.9	0.0	-6.0
14	-11.7	-15.3	-7.3	-7.9	2.5	1.3	10.8	8.1	4.8	-6.3	-1.5	-5.8
15	-12.9	-13.3	-8.4	-7.6	2.0	3.5	10.8	8.8	4.2	-3.5	-1.5	-5.9
16	-9.4	-11.0	-7.7	-6.9	0.5	6.6	10.6	11.4	8.6	-3.4	-2.0	-4.9
17	-16.3	-5.6	-9.5	-4.1	0.4	5.5	11.2	2.8	4.0	-4.3	-1.7	-6.4
18	-14.5	-3.6	-9.4	-3.4	-0.1	7.6	11.5	1.9	3.5	-3.4	-4.7	-3.0
19	-7.8	-3.3	-11.7	-1.9	-1.6	8.7	8.5	1.9	-1.2	-1.2	-2.9	-5.5
20	-5.0	-3.9	-12.2	-2.9	-1.6	9.6	6.8	6.4	-2.5	2.4	-1.9	-3.5
21	-4.6	-3.9	-10.3	-3.4	-1.8	8.9	5.7	6.1	-3.0	-0.4	-3.0	-8.9
22	-1.9	-1.2	-10.8	-5.4	0.2	11.8	5.2	6.1	-1.9	-2.9	-5.0	-11.4
23	-2.2	-1.7	-9.5	-6.6	-0.7	11.1	5.7	8.4	-2.3	-4.4	-8.6	-10.8
24	-6.1	1.1	-6.4	-6.5	-1.0	14.2	5.8	3.0	2.0	-7.2	-6.3	-3.9
25	-6.1	1.5	-6.7	-8.8	-0.7	9.0	9.8	0.1	2.0	-0.2	-5.1	-7.1
26	-11.1	-0.8	-4.8	-10.1	-1.9	6.4	10.1	-0.2	2.9	-1.7	-3.0	-9.7
27	-11.5	-8.3	-2.4	-8.8	1.9	5.9	11.1	0.2	4.4	-2.7	-4.6	-8.0
28	-12.9	-8.4	-6.7	-5.2	1.0	6.3	11.5	0.2	3.1	0.4	-3.9	-6.2
29	-6.1		-6.8	2.0	-0.6	10.2	8.4	2.7	1.1	7.1	-7.7	-5.2
30	-8.1		0.0	2.0	-1.5	9.7	7.3	1.6	3.1	8.4	-9.8	-5.8
31	-10.6		3.8		-0.5		8.6	1.1		4.1		-0.1
Extreme	-16.3	-17.6	-17.4	-14.0	-6.1	-1.4	5.2	-0.2	-3.0	-7.2	-9.8	-11.4

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	1.0	1.9	4.0	2.5	5.3	3.8	1.0	4.8	5.3	1.4	4.4	6.4
2	9.9	2.0	2.5	2.0	5.8	2.8	2.1	1.2	3.9	1.5	5.2	1.7
3	10.2	3.5	0.9	3.6	2.0	1.8	4.1	1.6	0.9	6.1	7.4	2.7
4	3.7	4.7	1.8	2.6	5.1	1.1	0.9	1.9	0.8	2.7	12.6	1.3
5	1.9	0.7	2.6	2.8	6.0	1.3	0.8	3.9	1.3	9.8	1.5	0.9
6	7.1	0.5	1.9	1.6	3.3	2.2	1.6	2.2	0.8	8.6	0.8	0.3
7	1.6	4.0	0.9	3.4	3.5	3.0	1.8	4.4	1.0	2.3	1.4	2.3
8	0.3	6.1	1.0	3.8	3.3	2.4	2.9	5.2	1.6	3.2	0.8	3.3
9	0.3	1.6	0.4	2.5	2.0	2.9	7.4	1.0	1.0	4.6	0.9	7.8
10	0.8	1.2	0.6	2.5	4.0	3.3	2.2	1.2	0.8	1.2	0.9	6.8
11	0.9	1.1	1.3	12.3	4.7	1.6	1.6	1.4	0.9	0.5	0.6	2.2
12	0.6	6.3	2.8	5.8	2.0	1.9	3.8	1.0	1.6	0.7	0.5	8.9
13	3.1	7.7	4.4	0.8	1.5	12.2	4.6	0.8	0.6	1.7	5.7	4.4
14	3.9	7.5	1.1	10.0	0.5	5.0	6.2	0.8	0.8	1.0	0.6	1.8
15	3.1	2.7	5.3	0.7	2.2	2.2	3.9	1.8	1.5	0.8	2.5	3.5
16	3.6	1.0	6.3	0.6	2.7	4.2	2.3	2.7	2.0	0.8	3.6	2.6
17	1.1	5.1	8.3	0.2	4.8	2.0	4.6	1.3	1.3	0.6	0.5	5.3
18	1.5	2.1	4.9	2.1	9.5	1.7	4.4	0.8	1.3	1.2	0.9	8.2
19	2.2	1.4	1.3	3.2	2.7	3.2	4.3	0.8	1.1	0.8	6.4	7.6
20	3.3	1.0	1.4	2.0	5.6	1.6	2.8	0.9	0.9	3.7	3.2	4.9
21	2.2	0.8	1.0	1.0	2.6	1.3	2.8	0.6	1.0	5.0	1.0	
22	9.7	0.7	6.5	1.5	5.7	2.8	0.7	1.3	2.3	2.5	1.0	
23	15.9	2.5	6.4	3.0	1.5	2.1	0.7	2.9	1.4	3.5	1.0	
24	5.2	1.6	4.7	2.1	5.2	6.4	4.2	3.7	4.7	1.0	0.5	
25	2.3	0.8	2.0	2.9	4.7	2.3	7.9	1.1	0.8	1.0	4.5	
26	0.5	1.9	0.8	1.2	2.7	1.7	6.5	0.6	0.7	1.2	7.7	(0.7)
27	1.8	6.8	2.8	1.4	1.5	0.8	3.5	0.8	0.6	0.7	4.0	0.6
28	2.1	2.6	1.7	3.2	1.2	0.9	3.3	1.3	1.1	1.4	5.4	1.0
29	1.5		0.8	4.9	1.4	3.6	1.2	4.6	1.3	8.2	1.9	0.8
30	2.0		5.2	1.5	3.6	3.6	1.5	2.2	0.6	11.0	3.9	3.1
31	2.3		2.0		4.6		2.2	1.8		5.3		2.9
Average	3.4	2.8	2.8	2.9	3.6	2.9	3.2	2.0	1.5	3.0	3.0	(3.5)

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	8.0	8.0	28.0	17.0	21.0	11.0	10.0	23.0	31.0	7.0	19.0	43.0
2	32.0	29.0	12.0	22.0	31.0	11.0	20.0	10.0	23.0	8.0	21.0	18.0
3	25.0	24.0	10.0	25.0	14.0	10.0	23.0	12.0	5.0	24.0	31.0	21.0
4	13.0	28.0	18.0	17.0	25.0	8.0	8.0	11.0	5.0	16.0	35.0	13.0
5	15.0	4.0	23.0	25.0	26.0	14.0	6.0	21.0	9.0	27.0	22.0	11.0
6	26.0	5.0	17.0	12.0	24.0	11.0	9.0	21.0	4.0	31.0	4.0	3.0
7	17.0	29.0	16.0	22.0	32.0	14.0	11.0	35.0	6.0	11.0	10.0	8.0
8	4.0	32.0	11.0	23.0	27.0	13.0	11.0	31.0	8.0	13.0	20.0	19.0
9	3.0	24.0	4.0	15.0	11.0	15.0	21.0	6.0	7.0	13.0	12.0	22.0
10	3.0	13.0	7.0	11.0	19.0	16.0	18.0	8.0	6.0	6.0	6.0	20.0
11	5.0	21.0	18.0	35.0	17.0	10.0	9.0	11.0	8.0	4.0	4.0	14.0
12	6.0	37.0	22.0	31.0	9.0	26.0	19.6	5.0	9.0	5.0	4.0	24.0
13	28.0	38.0	40.0	16.0	7.0	37.0	14.0	5.0	5.0	15.0	20.0	18.0
14	33.0	39.0	11.0	29.0	5.0	29.0	44.0	44.0	6.0	9.0	9.0	12.0
15	28.0	22.0	17.0	10.0	17.0	12.0	28.0	11.0	13.0	10.0	11.0	18.0
16	21.0	13.0	25.0	12.0	15.0	15.0	8.0	11.0	11.0	7.0	14.0	21.0
17	11.0	31.0	35.0	4.0	15.0	9.0	12.0	10.0	16.0	4.0	8.0	28.0
18	16.0	23.0	19.0	11.0	34.0	9.0	13.0	5.0	14.0	13.0	5.0	32.0
19	18.0	13.0	10.0	12.0	15.0	9.0	14.0	5.0	14.0	8.0	32.0	37.0
20	17.0	7.0	10.0	13.0	28.0	8.0	13.0	6.0	7.0	37.0	29.0	28.0
21	22.0	4.0	15.0	6.0	24.0	8.0	17.0	4.0	13.0	42.0	14.0	
22	44.0	4.0	31.0	11.0	31.0	12.0	5.0	7.0	25.0	30.0	9.0	
23	39.0	19.0	31.0	24.0	11.0	10.0	4.0	23.0	10.0	23.0	8.0	
24	26.0	15.0	28.0	16.0	27.0	20.0	15.0	20.0	30.0	8.0	3.0	
25	16.0	5.0	16.0	29.0	30.0	15.0	17.0	11.0	6.0	7.0	28.0	
26	4.0	17.0	6.0	8.0	17.0	11.0	24.0	5.0	4.0	10.0	24.0	(3.0)
27	14.0	34.0	13.0	8.0	9.0	6.0	26.0	5.0	17.2	5.0	27.0	4.0
28	25.0	20.0	19.0	13.0	10.0	7.0	20.0	6.0	8.0	8.0	26.0	20.4
29	14.0		10.0	26.0	15.0	18.0	16.0	15.0	10.0	27.0	22.0	8.0
30	23.0		20.0	10.0	18.0	20.0	9.0	12.0	8.0	31.0	33.0	30.0
31	11.0		10.0		16.0		17.0	21.0		26.0		22.0
Extreme	44.0	39.0	40.0	35.0	34.0	37.0	44.0	44.0	31.0	42.0	35.0	(43.0)

Skalnaté Pleso

Daily and monthly totals of precipitation [mm]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.0	0.0	0.0	6.0	7.0	0.0	19.0	13.0	28.0	0.0	1.0	0.0
2	0.0	0.0	0.0	6.0	14.0	0.0	8.0	1.0	0.0	0.0	15.0	9.0
3	0.0	0.0	0.0	1.0	0.0	0.0	3.0	2.0	0.0	0.0	1.0	1.0
4	1.0	3.0	6.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.0	0.0
5	3.0	0.0	5.0	1.0	10.0	8.0	0.0	69.0	0.0	0.0	0.0	2.0
6	2.0	2.0	0.0	10.0	2.0	0.0	0.0	7.0	0.0	19.0	0.0	2.0
7	9.0	7.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	3.0	7.0	1.0	3.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
9	2.0	2.0	0.0	0.0	0.0	6.0	4.0	0.0	0.0	0.0	0.0	2.0
10	0.0	1.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	2.0
11	0.0	2.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1.0	0.0	4.0	22.0	0.0	31.0	15.0	0.0	19.0	1.0	0.0	0.0
13	10.0	0.0	0.0	13.0	4.0	6.0	0.0	0.0	4.0	3.0	0.0	0.0
14	4.0	0.0	0.0	0.0	14.0	2.0	18.0	0.0	0.0	0.0	0.0	0.0
15	3.0	0.0	0.0	13.0	15.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0
16	0.0	1.0	2.0	2.0	5.0	0.0	0.0	7.0	2.0	2.0	0.0	0.0
17	5.0	7.0	6.0	1.0	68.0	0.0	0.0	4.0	35.0	0.0	0.0	7.0
18	1.0	9.0	0.0	5.0	24.0	0.0	2.0	1.0	6.0	0.0	0.0	4.0
19	4.0	4.0	0.0	6.0	2.0	0.0	1.0	0.0	4.0	0.0	11.0	6.0
20	3.0	0.0	1.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	8.0
21	0.0	0.0	1.0	1.0	0.0	8.0	2.0	0.0	1.0	0.0	0.0	7.0
22	3.0	0.0	1.0	3.0	1.0	0.0	0.0	3.0	4.0	0.0	4.0	2.0
23	2.0	0.0	1.0	1.0	9.0	0.0	0.0	36.0	0.0	1.0	1.0	2.0
24	6.0	0.0	3.0	0.0	3.0	0.0	0.0	9.0	2.0	0.0	0.0	10.0
25	9.0	0.0	0.0	2.0	5.0	18.0	1.0	0.0	0.0	0.0	0.0	6.0
26	1.0	0.0	0.0	0.0	0.0	13.0	12.0	4.0	0.0	0.0	5.0	0.0
27	1.0	0.0	4.0	0.0	6.0	5.0	0.0	18.0	0.0	0.0	1.0	0.0
28	1.0	0.0	3.0	0.0	1.0	0.0	4.0	12.0	0.0	0.0	4.0	0.0
29	4.0		2.0	1.0	2.0	1.0	0.0	18.0	1.0	0.0	10.0	0.0
30	8.0		4.0	6.0	4.0	3.0	0.0	47.0	33.0	0.0	3.0	11.0
31	0.0		0.0		8.0		11.0	74.0		0.0		21.0
Sum	86	45	47	104	210	102	138	341	139	26	64	102

Stará Lesná

Daily and monthly sums of global radiation [J/cm²]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	510	743	961	1679	1612	1695	1128	777	870	680	696	353
2	331	653	1387	1005	1530	2325	1330	1155	1516	1280	141	292
3	128	594	1356	1107	2296	2810	1218	1697	1533	1097	604	85
4	176	276	680	1275	2524	2432	1434	1631	1490	1286	288	139
5	64	379	174	1984	1965	990	1580	302	1643	865	590	155
6	60	142	1093	302	1970	2302	2486	850	1912	262	621	53
7	40	72	1511	821	1153	1688	2794	2464	1504	1071	501	193
8	88	148	892	928	1929	2224	1966	2014	1790	1296	502	305
9	105	158	1158	2024	2694	2174	1741	2299	1810	1262	597	152
10	111	246	1389	2140	2586	2637	2375	(2355)	1750	1122	586	104
11	313	100	1064	1185	2674	1909	2178	1583	1708	690	531	238
12	641	297	842	733	2641	1960	1352	1591	1640	898	517	255
13	203	786	1206	236	1047	2406	2453	1848	1173	337	471	451
14	125	889	553	1518	701	2844	2194	1557	1303	1012	300	469
15	81	1150	1226	474	1264	2926	1552	2167	1544	979	240	297
16	93	460	1577	584	1019	2812	2559	2279	1155	666	503	207
17	65	341	1041	357	768	2895	2265	505	325	534	468	284
18	129	352	1190	1393	652	2837	2262	1414	973	556	292	385
19	306	562	1376	848	1381	2718	1605	1318	904	897	240	298
20	159	974	970	1236	1892	2603	1400	1555	827	853	410	94
21	305	1246	1722	1357	2531	2116	1573	1176	1371	877	371	98
22	222	1077	1207	1604	941	2526	923	1495	528	879	115	123
23	78	1225	742	1497	928	2088	1537	281	1093	971	410	164
24	322	978	664	2484	1773	2569	1925	662	764	892	541	145
25	149	1105	939	725	1171	1875	988	1180	1285	886	421	34
26	600	1170	1670	2242	2892	1645	2209	746	1456	752	60	81
27	355	1282	1670	2227	1431	1747	2470	504	1300	743	347	85
28	853	1214	1506	2556	1590	2254	2405	1284	1404	691	255	112
29	242		1135	1164	1088	1835	1471	676	1087	662	63	77
30	422		453	799	1476	2759	2542	569	209	732	195	113
31	498		1742		1308		790	690		730		188
Sum	7774	18619	35096	38484	51427	68601	56705	(40624)	37867	26458	11876	6029

Stará Lesná

Daily and monthly sums of downward atmospheric radiation [J/cm²]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	2261	1860	2394	2873	3084	2756	3388	3403	3141	2988	2486	2448
2	2515	2324	2258	2681	2982	2678	3304	3287	2967	2672	2981	2706
3	2787	2768	2347	2530	2533	2694	3279	3109	2816	2744	2808	2643
4	2847	2691	2669	2338	2522	2886	3137	3335	2897	2790	2931	2630
5	2844	2731	2728	2481	2899	3218	3245	3453	2651	2841	2324	2732
6	2772	2718	2221	2699	2640	2949	3135	3170	2562	3094	2245	2771
7	2708	2618	1984	2429	2873	2933	3224	3009	2733	2796	2574	2531
8	2626	2799	2128	2268	2519	3005	3375	3350	2746	2439	2485	2026
9	2548	2726	2175	2252	2528	3056	3381	3280	2684	2306	2438	2678
10	2481	2679	2001	2458	2729	2934	3334	(2892)	2730	2464	2272	2767
11	2078	2416	2320	2758	2863	3026	3266	3115	2781	2715	2377	2620
12	2142	2352	2535	3085	2968	3119	3374	2979	3072	2536	2373	2204
13	2678	2407	2480	2855	3146	2918	3376	3055	3269	2731	2460	2063
14	2620	1940	2661	2615	3172	2824	3435	3218	3150	2479	2764	2162
15	2547	1828	2308	2805	3112	2865	3443	3230	2971	2475	2855	2552
16	2495	2363	2367	2820	3040	2942	3213	3301	3250	2777	2431	2514
17	2428	2667	2632	2872	3078	3044	3324	3205	3275	2666	2437	2477
18	2373	2816	2288	2815	3098	3061	3362	2903	3045	2753	2621	2666
19	2472	2764	2067	2970	2980	3138	3320	3009	3001	2582	2861	2766
20	2515	2480	2292	2714	2730	3162	3145	3217	2678	2768	2529	2607
21	2478	2268	2306	2648	2684	3300	3141	3183	2764	2740	2776	2514
22	2836	2462	2406	2744	2810	3315	3149	3255	2801	2473	2875	2364
23	2931	2380	2643	2508	2931	3363	3188	3436	2739	2588	2727	2499
24	2769	2553	2692	2501	2974	3450	3052	3211	2859	2272	2410	2708
25	2717	2455	2476	2595	3166	3414	3315	2872	2931	2304	2519	2634
26	2171	2494	2338	2463	2697	3344	3397	3020	2904	2358	2911	2346
27	2176	2364	2669	2345	3022	3340	3258	3179	2948	2462	2716	2504
28	2216	2228	2498	2390	3079	3244	3282	3145	2965	2476	2889	2620
29	2726		2754	2834	2935	3373	3330	3179	2949	2487	2752	2720
30	2617		3083	3011	2895	3386	3142	3219	3213	2537	2558	2743
31	2052		2839		2876		3221	3184		2385		2923
Sum	78426	69151	75559	79357	89565	92737	101535	(98403)	87492	80698	78385	79138

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-471	-677	-493	-462	-281	-458	-115	-113	-172	-160	-529	-378
2	-339	-392	-683	-333	-275	-596	-169	-149	-390	-540	-9	-199
3	-115	-155	-670	-352	-535	-668	-210	-330	-537	-548	-210	3
4	-15	-227	-305	-501	-666	-557	-370	-182	-488	-599	-223	4
5	3	-107	-45	-515	-341	-125	-370	7	-598	-489	-595	-9
6	3	8	-455	-16	-453	-466	-542	-207	-676	-96	-614	3
7	4	7	-712	-257	-258	-543	-554	-580	-560	-377	-382	-172
8	3	-6	-515	-442	-506	-545	-436	-397	-617	-631	-435	-475
9	-1	7	-442	-673	-730	-489	-377	-(315)	-674	-677	-452	-49
10	-2	-8	-612	-657	-753	-575	-320	-(488)	-638	-528	-624	3
11	-386	6	-365	-408	-728	-471	-416	-460	-644	-337	-495	-78
12	-388	8	-324	-156	-598	-413	-228	-502	-418	-428	-509	-513
13	8	-127	-457	5	-159	-432	-385	-505	-193	-138	-496	-515
14	4	-706	-281	-284	-55	-571	-430	-434	-325	-430	-173	-461
15	6	-639	-585	4	-146	-644	-221	-508	-530	-494	-14	-217
16	5	-136	-570	-31	-149	-625	-538	-487	-305	-239	-410	-299
17	5	2	-234	-30	-100	-615	-450	-140	-44	-301	-400	-360
18	4	-42	-476	-200	-45	-652	-382	-379	-211	-265	-243	-121
19	-105	-101	-567	-71	-231	-597	-313	-381	-206	-500	-99	-85
20	-207	-353	-321	-378	-495	-558	-327	-294	-376	-504	-420	-82
21	-473	-533	-406	-430	-621	-435	-347	-317	-368	-488	-161	4
22	-149	-419	-365	-325	-388	-505	-288	-313	-238	-632	-44	3
23	-12	-598	-247	-456	-181	-422	-360	3	-447	-408	-41	1
24	-101	-530	-218	-538	-263	-503	-543	-125	-398	-617	-292	-16
25	6	-612	-374	-331	-105	-255	-270	-350	-402	-606	-323	6
26	-401	-586	-630	-513	-573	-178	-335	-186	-512	-598	-1	4
27	-314	-590	-467	-629	-239	-173	-552	-18	-447	-528	-159	11
28	-332	-608	-443	-733	-220	-382	-510	-102	-354	-542	-20	4
29	2		-258	-354	-239	-282	-290	-72	-328	-661	6	2
30	-140		-5	-189	-292	-388	-571	-16	9	-767	-139	-1
31	-451		-448		-332		-268	-50		-740		-10
Sum	-4349	-8114	-12973	-10255	-10957	-14123	-11487	-(8390)	-12087	-14868	-8506	-3992

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-323	-150	301	824	997	796	613	345	353	281	217	-231
2	-113	-31	498	392	848	1133	722	609	881	502	-20	-106
3	15	105	517	409	1181	1462	655	860	731	389	226	-175
4	-9	-125	198	476	1273	1266	767	1030	767	539	-8	-277
5	-97	98	-284	879	1136	364	894	58	806	236	32	-172
6	-75	-159	59	-426	930	1214	1464	371	971	-26	62	-63
7	-67	-72	232	-44	424	770	1706	1432	708	481	154	-112
8	-148	-180	86	3	949	1170	1181	1251	911	467	32	-169
9	-140	-196	354	941	1391	1047	960	1437	909	433	140	-70
10	-131	-22	472	1081	1348	1338	1520	(1473)	893	482	9	-161
11	-318	-124	331	546	1461	967	1311	830	878	221	50	-101
12	-300	-245	53	410	1560	1020	688	782	913	252	57	-611
13	-134	-167	503	5	550	1206	1533	1019	619	-34	21	-296
14	-166	-177	166	697	231	1447	1325	861	731	355	91	-218
15	-135	-55	416	140	749	1584	924	1276	795	434	37	-58
16	-129	-47	673	218	363	1513	1550	1421	621	282	-65	-170
17	-126	-187	256	132	341	1609	1378	113	34	153	81	-239
18	-91	-244	441	813	90	1545	1355	662	490	191	-27	-124
19	-203	50	381	416	631	1505	880	649	456	392	52	-110
20	-318	53	330	518	854	1456	717	934	222	316	-5	-333
21	-281	114	767	579	1321	1156	857	610	708	350	161	-123
22	-133	128	354	827	179	1430	431	872	68	241	-42	-77
23	21	153	252	659	239	1138	876	75	458	450	-140	-156
24	77	158	262	1399	874	1510	1018	165	230	209	-137	-270
25	-109	209	341	122	636	1021	459	551	690	259	-5	-23
26	-187	365	735	1185	1468	925	1384	185	730	160	-11	-79
27	-243	421	862	1068	658	902	1456	87	650	264	101	-123
28	-34	366	649	1279	901	1324	1423	720	794	250	85	-56
29	-75		582	522	421	1047	799	269	542	189	-48	-84
30	-220		204	315	588	1714	1483	151	35	71	-138	-286
31	-128		926		487		261	258		92		34
Sum	-4320	39	11917	16385	25079	36579	32590	(21356)	18594	8881	962	-5039

Stará Lesná

Daily and monthly averages of air temperature [°C]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-2.2	-7.7	1.0	11.1	11.9	8.6	15.4	15.8	11.0	7.3	4.2	-0.2
2	0.6	-3.3	2.2	4.4	9.8	9.4	14.4	13.9	11.5	8.7	4.0	1.8
3	1.7	1.9	3.9	0.7	4.9	11.4	14.8	13.4	11.2	10.5	4.2	-4.6
4	0.7	2.2	3.4	-0.1	7.4	13.2	15.0	15.3	12.0	12.7	7.8	-5.2
5	0.3	-0.1	-1.6	2.8	9.0	11.8	17.0	14.7	9.4	11.5	2.2	-2.5
6	-1.6	-3.2	-4.4	-3.4	5.2	12.9	18.4	12.6	8.5	8.6	0.6	-1.7
7	-3.2	-5.9	-4.2	-4.5	6.7	14.2	20.4	16.3	9.9	7.9	3.0	-3.3
8	-5.4	-1.0	-5.1	-3.5	4.0	15.6	21.6	20.2	11.6	5.2	2.2	-8.3
9	-7.4	-3.2	-6.0	1.2	9.1	15.6	20.6	17.5	11.4	3.2	1.3	-2.8
10	-9.3	-3.9	-5.8	6.3	14.7	14.7	18.2	(18.6)	11.6	3.2	1.6	-1.9
11	-9.5	-11.5	-4.5	7.4	17.3	14.5	18.6	16.4	12.8	4.9	1.0	-3.6
12	-7.8	-13.6	0.4	9.3	16.3	15.2	17.3	14.2	14.1	2.8	1.3	-2.7
13	-4.2	-8.3	1.9	0.5	11.0	11.4	20.4	16.0	14.2	0.8	3.1	-6.3
14	-5.8	-4.9	2.7	0.8	9.5	12.4	22.6	17.9	14.4	1.4	2.6	-5.1
15	-7.6	-10.0	1.0	-0.8	9.6	14.6	18.8	19.6	15.0	2.7	0.8	-1.7
16	-9.0	-8.8	1.9	0.3	8.2	16.1	20.0	20.8	16.3	4.1	0.4	-0.4
17	-10.8	-4.7	0.3	1.6	7.8	17.7	20.9	12.2	11.7	3.0	0.0	0.1
18	-12.7	0.5	-1.9	4.0	7.4	18.9	20.2	10.0	9.7	4.2	0.8	-1.2
19	-6.8	0.5	-5.3	4.8	8.3	19.5	17.9	12.1	8.7	5.5	2.9	0.4
20	-2.7	-0.4	-5.8	5.9	8.7	19.2	14.5	14.8	5.0	9.8	3.1	-3.6
21	2.9	-1.3	-3.9	5.4	10.0	19.7	14.6	14.9	6.4	9.2	2.4	-8.6
22	3.7	0.6	-1.9	5.1	8.5	21.4	13.6	16.3	5.1	6.2	2.2	-12.8
23	2.7	2.9	1.0	2.6	6.4	21.1	15.7	14.4	7.7	3.7	-1.3	-9.1
24	1.0	5.7	1.8	4.1	8.8	24.4	16.9	11.8	10.0	1.0	-3.0	-2.8
25	-3.3	5.3	0.2	2.0	10.0	18.8	17.0	8.7	11.1	1.5	0.1	-5.3
26	-6.7	5.6	2.6	2.5	9.6	15.6	20.0	8.4	12.8	2.6	1.9	-13.0
27	-8.8	2.6	6.5	2.8	9.5	15.1	21.4	8.8	12.6	3.5	0.9	-8.8
28	-7.6	-0.2	2.2	6.1	10.3	17.2	21.1	9.3	10.8	4.2	1.7	-5.4
29	-2.9		3.7	8.2	7.7	18.5	17.9	9.8	9.8	7.5	-2.2	-2.8
30	-2.1		6.1	8.6	7.7	20.4	19.2	9.6	9.0	11.1	-3.4	-2.3
31	-8.4		10.2		8.5		15.4	9.2		7.1		2.3
Average	-4.3	-2.3	0.1	3.2	9.2	16.0	18.1	(14.0)	10.8	5.7	1.5	-3.9

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-6.1	-15.5	-5.0	3.0	4.4	2.7	12.2	10.1	7.9	3.0	-3.1	-4.2
2	-1.4	-11.3	-5.7	-2.1	2.6	1.6	10.4	7.4	6.9	2.0	1.2	0.0
3	-0.2	-0.6	-3.4	-3.0	-2.2	3.6	11.2	5.6	4.1	2.3	-1.1	-11.6
4	-1.0	-0.3	-2.7	-6.2	-3.5	3.6	8.7	8.6	3.7	5.7	4.5	-11.9
5	-1.3	-1.8	-5.7	-7.7	1.8	6.0	9.2	13.0	3.2	5.4	-3.1	-5.0
6	-2.7	-7.5	-11.2	-10.8	-0.6	4.6	10.3	6.2	0.2	7.2	-3.8	-2.6
7	-8.4	-7.7	-12.5	-11.4	1.6	6.0	11.2	5.9	1.1	0.8	-3.5	-8.7
8	-10.0	-5.6	-10.6	-10.6	-2.4	5.8	13.2	15.4	4.1	-1.6	-3.0	-12.0
9	-11.3	-8.3	-12.7	-9.7	-3.0	8.3	15.0	10.4	2.1	-2.5	-3.4	-7.2
10	-12.9	-5.8	-12.4	-1.0	6.6	7.0	14.2	(12.0)	2.5	-3.2	-4.2	-3.8
11	-13.7	-19.8	-14.0	1.8	9.1	6.2	13.1	10.9	5.0	-1.0	-3.2	-6.1
12	-15.4	-20.5	-4.8	5.6	8.6	6.0	11.4	8.1	5.0	-2.0	-2.7	-8.7
13	-6.7	-16.9	-6.2	-1.5	7.4	7.8	13.3	7.6	7.9	-2.1	-2.4	-10.6
14	-9.8	-11.7	-2.2	-1.6	7.5	5.4	15.4	10.1	8.4	-3.3	-0.6	-9.8
15	-10.4	-15.5	-2.9	-2.1	7.0	4.2	15.2	11.1	6.4	-3.8	-3.2	-7.1
16	-12.0	-13.6	-1.2	-2.5	1.7	6.7	12.9	13.4	11.6	-0.5	-3.8	-3.1
17	-14.3	-11.9	-1.9	-0.1	1.1	9.3	15.8	6.0	5.9	-1.4	-5.6	-3.7
18	-19.0	-2.0	-9.0	0.8	4.1	9.1	15.2	5.1	5.4	-0.4	-2.6	-3.7
19	-10.6	-3.3	-11.0	2.6	1.3	10.5	14.7	4.1	1.8	-1.1	-2.4	-2.1
20	-4.7	-5.8	-11.4	-1.0	0.5	10.5	10.7	9.3	-0.8	0.2	-1.6	-6.8
21	-0.5	-7.2	-12.2	-2.1	-0.3	11.5	8.2	9.1	0.4	2.0	-1.6	-16.4
22	2.1	-3.7	-4.0	-0.5	0.3	14.5	7.8	10.2	1.4	-0.5	-0.2	-16.7
23	1.8	-4.7	-3.4	-2.5	0.0	14.0	9.2	13.3	-1.1	-1.0	-5.4	-16.5
24	-1.9	0.4	-2.2	-2.1	-0.2	15.9	8.6	8.0	5.1	-3.9	-7.0	-6.7
25	-5.6	-1.0	-4.4	-1.9	2.9	13.7	10.1	2.8	3.0	-5.2	-6.5	-10.9
26	-12.4	-1.6	-5.1	-4.6	-0.3	9.3	13.6	0.9	5.5	-3.6	0.7	-16.3
27	-13.3	-2.9	-2.9	-3.0	1.8	8.0	13.6	3.3	6.1	-2.7	-0.9	-15.3
28	-15.1	-6.0	-3.6	-4.5	6.3	8.4	13.0	3.3	6.0	-1.6	-0.8	-9.2
29	-4.4		-4.4	2.4	2.8	12.7	11.5	6.3	0.6	-0.4	-7.6	-6.8
30	-8.2		2.5	3.1	0.8	14.2	10.1	5.0	5.4	7.0	-8.5	-7.9
31	-15.4		1.9		4.8		10.7	3.4		-2.8		0.0
Extreme	-19.0	-20.5	-14.0	-11.4	-3.5	1.6	7.8	(0.9)	-1.1	-5.2	-8.5	-16.7

Stará Lesná

Daily and monthly maxima of air temperature [°C]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	1.7	1.7	8.0	21.9	19.8	12.9	18.7	20.4	14.2	11.6	12.4	5.6
2	4.6	3.6	13.1	10.4	16.7	16.6	19.7	18.6	17.4	15.4	5.7	6.5
3	4.0	7.2	14.6	6.2	11.3	18.4	20.4	21.6	18.5	16.3	10.3	0.1
4	2.7	7.6	9.8	7.2	14.9	21.0	20.2	21.8	19.5	19.8	12.0	-0.9
5	2.2	3.7	2.2	10.3	17.1	18.1	22.9	17.1	16.6	19.1	8.8	0.3
6	-0.1	-1.0	0.9	1.3	10.3	20.0	26.1	16.7	18.1	11.7	9.2	-0.3
7	-1.2	-3.2	5.6	1.4	13.3	20.6	28.1	23.9	19.7	14.3	12.0	-0.9
8	0.2	2.2	0.4	2.2	9.3	22.3	29.7	25.8	21.1	13.3	9.2	-3.8
9	-0.3	0.0	-0.9	8.1	17.7	22.0	27.1	28.7	21.6	9.7	8.1	1.4
10	-2.3	-1.7	1.7	14.3	20.8	21.9	25.1	(26.1)	21.9	11.9	10.9	-0.1
11	-2.1	-5.4	2.6	12.8	23.8	21.7	25.3	24.0	22.9	10.7	9.9	3.1
12	-1.8	-7.2	6.5	14.1	23.7	21.8	22.7	21.1	23.4	10.3	9.5	1.2
13	-1.7	-2.7	7.1	5.6	15.2	17.0	30.7	23.9	21.2	3.2	10.3	1.2
14	-3.0	0.7	5.9	8.7	11.3	18.1	29.1	25.9	20.3	9.5	7.0	1.8
15	-4.2	-1.3	6.8	0.7	13.1	21.9	24.2	28.1	23.6	10.7	3.2	3.3
16	-5.3	-5.1	7.1	3.0	12.4	23.8	28.6	28.9	23.1	11.1	7.8	3.2
17	-7.9	0.3	4.7	3.0	12.2	25.3	25.5	16.6	14.4	9.2	8.1	4.6
18	-7.4	3.0	3.8	9.0	10.2	27.4	25.8	16.0	14.4	9.0	4.8	4.9
19	-2.5	6.9	1.6	8.5	13.0	27.2	22.3	18.4	13.0	14.6	6.7	4.0
20	1.7	4.4	-0.4	12.4	14.5	27.2	19.2	21.1	12.8	17.4	12.2	-1.8
21	4.3	4.8	2.6	12.6	21.1	26.9	21.2	20.2	12.2	14.6	7.2	-5.2
22	6.2	10.1	2.1	13.3	13.6	29.4	18.1	22.6	8.8	14.3	4.1	-5.3
23	4.8	10.8	3.9	10.7	11.7	27.8	21.1	15.8	13.5	10.0	3.3	-4.7
24	3.9	15.3	5.0	12.4	18.0	32.3	24.5	16.0	15.2	9.4	3.4	2.7
25	-1.2	16.6	5.4	6.2	16.7	27.5	20.8	14.4	18.4	12.1	4.4	-0.1
26	-0.4	15.1	12.0	10.0	17.0	21.8	27.3	13.2	21.2	12.4	3.4	-6.2
27	-3.4	8.1	14.7	9.3	17.5	21.1	28.4	11.8	22.2	12.5	4.3	-0.4
28	-2.9	7.5	8.0	14.1	15.6	24.4	28.9	15.0	22.2	14.0	4.9	-0.2
29	0.3		11.0	14.5	12.6	24.7	24.0	13.0	17.0	15.6	2.3	1.2
30	4.0		9.7	14.1	13.3	28.6	28.1	12.2	11.8	15.4	-0.2	1.5
31	-3.0		20.1		14.2		20.5	14.1		15.3		6.1
Extreme	6.2	16.6	20.1	21.9	23.8	32.3	30.7	(28.9)	23.6	19.8	12.4	6.5

Stará Lesná

Daily and monthly averages of relative air humidity [%]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	91	62	83	72	82	72	91	94	91	93	81	88
2	90	83	72	82	85	70	89	90	80	84	93	89
3	86	90	68	79	68	68	84	86	83	79	89	89
4	96	89	77	69	61	72	84	89	84	79	90	77
5	96	93	88	65	71	90	81	96	79	82	87	90
6	96	91	67	79	73	80	78	91	79	89	85	93
7	94	91	70	79	80	71	76	76	83	87	80	91
8	91	95	79	80	65	66	77	76	82	78	84	90
9	88	92	72	62	57	73	82	83	82	70	88	92
10	87	92	72	61	50	70	87	(77)	81	79	80	94
11	86	86	77	67	55	73	84	82	79	85	87	94
12	85	71	86	73	63	75	90	83	81	87	89	83
13	89	65	76	92	90	68	81	84	90	94	80	86
14	90	56	82	72	94	66	74	86	86	86	93	88
15	86	71	71	91	90	70	90	82	84	87	96	89
16	85	85	64	92	93	70	81	76	86	88	91	93
17	87	91	74	92	92	71	83	94	95	88	89	77
18	82	93	68	86	92	68	84	88	90	89	90	81
19	87	91	75	92	81	73	82	84	89	84	92	88
20	91	90	80	79	68	73	83	82	87	72	88	77
21	84	87	75	79	68	78	82	87	82	78	92	81
22	90	89	68	79	81	74	86	85	89	71	93	83
23	96	78	68	70	89	86	82	96	86	72	89	83
24	94	77	76	62	82	69	75	93	79	81	88	91
25	92	76	83	76	87	88	83	89	87	77	89	91
26	86	73	75	60	70	88	80	92	86	76	96	83
27	88	70	68	59	83	87	73	94	89	85	91	83
28	86	76	71	53	80	80	71	93	87	85	95	85
29	92		75	81	84	89	86	91	90	63	93	92
30	90		94	91	80	78	68	95	96	51	91	93
31	84		79		77		93	95		67		97
Average	89	82	75	76	77	75	82	(87)	85	80	89	87

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	916.2	908.2	937.1	922.9	918.4	926.1	920.7	918.3	925.6	933.3	917.5	908.0
2	922.2	913.6	937.9	919.4	913.9	929.4	922.1	921.3	930.6	929.0	911.7	905.8
3	920.6	913.6	933.4	919.6	923.1	932.3	922.1	924.9	928.7	927.4	916.9	914.5
4	919.6	915.4	922.1	923.0	920.4	932.1	921.3	923.5	926.9	927.8	915.8	912.6
5	914.5	922.5	921.3	912.2	913.2	928.5	921.4	915.2	931.5	927.5	925.6	910.9
6	916.6	919.9	932.0	910.2	918.2	927.3	924.3	914.3	933.2	928.3	932.9	913.7
7	916.1	912.0	925.1	914.5	915.5	927.7	927.0	920.2	933.2	931.7	924.0	916.2
8	919.0	902.2	921.7	923.7	925.7	927.2	929.6	923.2	932.6	935.1	925.5	915.0
9	922.7	907.6	924.0	927.7	927.4	926.5	927.3	928.8	929.1	935.8	935.2	912.3
10	926.1	910.1	923.2	925.6	925.6	926.1	927.3	(928.0)	927.9	932.6	935.8	909.6
11	924.0	916.8	919.0	926.0	922.2	925.1	926.2	927.4	927.3	926.7	931.2	917.6
12	915.1	926.4	915.3	924.5	915.5	923.1	924.6	931.4	926.2	921.0	928.0	924.9
13	911.7	931.7	915.4	925.0	910.3	925.0	922.6	932.5	926.3	923.2	924.4	928.4
14	911.4	935.2	912.1	922.7	913.3	927.8	923.0	930.4	927.7	928.5	928.0	930.4
15	918.3	934.9	912.8	922.9	918.2	927.0	923.3	925.8	926.4	925.8	933.5	933.3
16	918.9	926.9	914.9	923.0	915.4	927.5	924.1	920.8	923.2	926.5	931.7	933.4
17	918.7	920.3	918.3	924.0	913.0	929.3	923.6	922.2	919.1	927.8	927.0	931.4
18	922.2	925.0	920.3	923.7	915.1	928.7	923.1	924.2	919.7	930.8	929.7	931.9
19	920.0	926.1	920.0	921.9	919.2	926.5	923.4	924.7	920.7	932.3	927.3	919.4
20	918.7	930.5	924.8	920.0	921.7	923.5	924.2	926.7	924.1	925.7	926.0	919.0
21	915.8	931.9	917.8	921.0	922.1	920.4	928.2	928.7	930.5	916.1	918.4	925.6
22	911.6	932.4	917.8	922.3	919.0	921.5	929.4	927.8	928.0	920.5	922.3	929.3
23	907.4	938.1	922.9	927.2	923.8	926.5	926.6	925.6	924.8	929.0	929.1	921.4
24	903.6	941.0	925.7	927.9	928.4	925.8	925.1	926.1	919.8	936.5	928.6	907.5
25	904.8	937.4	926.7	924.6	923.2	924.0	924.9	925.3	927.2	933.0	918.8	913.3
26	914.0	931.8	928.5	923.3	925.6	925.7	924.0	918.4	929.4	929.6	905.9	918.0
27	916.4	933.4	928.0	920.6	923.8	926.6	924.7	920.2	927.2	932.9	903.3	916.1
28	911.6	936.1	933.9	918.8	925.1	926.8	923.2	923.0	928.2	932.6	902.7	914.0
29	904.2		936.6	916.8	925.4	923.2	923.2	920.1	929.2	929.3	903.2	913.9
30	903.0		936.1	918.7	926.7	919.3	921.9	919.5	932.9	927.0	907.5	922.6
31	909.9		931.8		926.4		920.5	920.2		924.8		924.5
Average	915.3	924.3	924.4	921.8	920.5	926.2	924.3	(923.8)	927.2	928.6	922.2	919.2

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0.7	-0.2	1.1	7.6	9.8	11.5	19.1	18.1	13.9	12.5	5.2	2.6
2	0.4	-0.4	1.1	7.2	10.6	12.2	18.3	18.3	14.4	12.0	6.0	2.6
3	0.7	-0.3	1.7	5.6	10.1	13.2	18.1	17.7	14.4	11.6	5.8	2.3
4	1.0	-0.3	2.2	4.7	9.8	13.9	18.1	18.1	14.3	12.3	6.7	1.2
5	1.1	-0.2	1.9	4.4	10.7	13.6	18.4	17.4	14.3	12.0	5.8	1.2
6	1.1	-0.1	1.2	3.9	9.9	14.2	19.5	17.1	13.6	11.6	4.5	1.6
7	1.1	0.0	0.2	2.4	9.8	14.1	20.5	17.7	13.5	11.8	4.3	1.8
8	0.8	0.0	-0.2	1.7	9.7	14.7	20.8	19.2	14.1	10.7	4.6	1.5
9	0.3	0.2	-0.3	2.3	10.0	15.3	20.6	19.7	14.2	9.3	4.2	1.2
10	0.0	0.2	-0.3	4.5	11.2	16.0	20.7	(20.2)	14.3	8.9	3.6	1.5
11	-0.2	0.3	-0.5	5.0	12.6	15.6	20.8	19.2	14.6	9.1	3.3	1.6
12	-0.3	0.2	-0.4	6.0	13.5	15.8	19.9	18.4	15.0	8.9	3.2	1.6
13	-0.3	0.0	-0.4	5.1	12.9	15.9	21.0	18.5	15.5	7.9	3.2	1.0
14	-0.2	-0.1	0.1	4.8	12.3	15.9	21.6	18.9	15.8	7.6	3.8	0.6
15	-0.2	-0.1	1.0	4.4	12.3	16.3	20.4	19.7	15.7	7.3	4.3	0.5
16	-0.2	-0.2	1.3	4.2	12.0	17.0	21.5	20.2	16.1	7.9	3.3	0.8
17	-0.2	-0.2	1.6	4.3	11.1	17.7	21.6	18.2	15.1	7.8	2.5	0.8
18	-0.2	-0.2	1.3	5.5	10.5	18.3	21.5	16.9	14.4	7.6	3.4	0.9
19	-0.2	-0.1	0.3	6.2	10.7	18.8	20.4	16.4	14.2	7.7	3.6	1.1
20	-0.2	0.0	-0.1	6.7	11.2	19.0	19.1	17.4	12.7	8.1	3.5	1.2
21	-0.2	0.0	0.1	6.6	11.5	19.2	18.8	17.4	12.4	8.6	3.7	1.2
22	-0.1	0.1	0.7	7.2	11.2	20.0	17.7	17.9	11.8	7.8	4.0	1.0
23	0.0	0.1	0.7	6.8	10.4	20.2	18.2	17.0	11.5	7.6	3.4	0.7
24	0.7	0.2	1.5	7.7	10.8	21.0	18.4	16.5	12.0	6.4	1.9	0.8
25	0.6	0.2	1.8	6.6	11.6	20.7	18.0	15.6	12.4	5.6	1.3	1.0
26	0.6	0.3	2.4	6.6	11.9	19.5	19.7	14.5	13.4	5.3	2.6	1.1
27	0.3	0.9	3.6	7.3	12.0	18.6	20.5	14.4	13.7	5.4	3.0	1.1
28	0.0	0.6	4.3	7.8	12.7	19.0	20.5	14.2	14.0	5.4	3.2	1.1
29	0.0		4.1	8.1	12.2	19.5	20.0	14.2	13.2	5.3	3.0	1.1
30	0.2		5.1	8.4	11.7	20.3	20.2	13.8	13.0	6.0	2.6	1.1
31	0.1		6.5		11.6		18.6	13.4		6.0		1.1
Average	0.2	0.0	1.4	5.7	11.2	16.9	19.8	(17.3)	13.9	8.5	3.8	1.3

Stará Lesná

Daily and monthly averages of soil temperature at 20cm depth [°C]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	1.8	0.8	1.6	6.8	8.8	11.5	19.0	18.4	14.3	13.2	6.5	3.6
2	1.6	0.7	1.8	7.2	9.8	11.8	18.4	18.4	14.6	12.8	6.8	3.6
3	1.6	0.6	2.1	6.1	9.8	12.4	18.0	17.9	14.7	12.4	6.7	3.5
4	1.8	0.6	2.5	5.4	9.6	13.0	17.9	17.9	14.7	12.7	7.2	2.8
5	1.9	0.7	2.6	5.0	10.1	13.3	18.0	17.9	14.8	12.6	7.0	2.5
6	1.9	0.7	2.1	4.9	10.0	13.5	18.5	17.5	14.2	12.5	6.2	2.6
7	2.0	0.8	1.4	3.7	9.8	13.7	19.2	17.4	14.0	12.4	5.7	2.8
8	1.8	0.8	1.0	3.0	9.7	14.0	19.8	18.4	14.3	11.9	5.8	2.7
9	1.5	0.9	0.8	2.9	9.7	14.5	19.8	19.0	14.5	10.9	5.5	2.4
10	1.3	1.0	0.7	4.2	10.5	15.0	19.8	(19.4)	14.6	10.3	5.2	2.5
11	1.1	1.0	0.6	4.9	11.5	15.0	20.0	19.2	14.7	10.1	4.8	2.6
12	0.9	1.0	0.5	5.6	12.3	15.1	19.7	18.6	14.9	10.1	4.6	2.6
13	0.9	0.9	0.5	5.7	12.6	15.4	19.9	18.4	15.4	9.4	4.5	2.3
14	0.8	0.8	0.8	5.1	12.1	15.3	20.4	18.6	15.7	9.0	4.7	1.9
15	0.8	0.8	1.4	5.0	12.0	15.5	20.0	19.0	15.7	8.7	5.0	1.8
16	0.8	0.7	1.8	4.7	12.0	16.0	20.5	19.5	15.9	8.8	4.8	1.8
17	0.8	0.7	2.1	4.7	11.4	16.5	20.7	18.9	15.7	8.8	4.1	1.8
18	0.8	0.7	2.0	5.2	10.9	17.0	20.8	17.7	15.0	8.6	4.4	1.9
19	0.8	0.7	1.5	5.9	10.8	17.5	20.4	17.1	14.8	8.7	4.4	2.0
20	0.8	0.8	1.1	6.4	11.1	17.8	19.5	17.4	13.9	8.8	4.6	2.1
21	0.8	0.8	1.0	6.5	11.3	18.1	18.9	17.5	13.3	9.2	4.5	2.1
22	0.8	0.8	1.3	6.9	11.5	18.6	18.3	17.7	13.0	9.0	4.8	2.1
23	0.8	0.8	1.4	7.0	10.8	19.0	18.1	17.5	12.4	8.6	4.6	1.9
24	1.2	0.9	1.8	7.3	10.8	19.4	18.3	17.1	12.7	8.0	3.7	1.8
25	1.4	0.9	2.1	7.2	11.4	19.7	18.1	16.4	12.7	7.3	3.0	1.9
26	1.3	1.0	2.5	6.7	11.6	19.1	18.7	15.6	13.4	6.9	3.4	2.0
27	1.2	1.3	3.3	7.2	11.8	18.4	19.5	15.3	13.8	6.7	3.8	2.0
28	1.0	1.4	4.3	7.5	12.2	18.4	19.8	14.9	14.1	6.7	4.0	2.0
29	1.0		4.1	7.9	12.2	18.7	19.7	14.9	13.7	6.6	4.0	2.0
30	1.0		4.8	8.1	11.8	19.2	19.6	14.5	13.7	6.8	3.8	2.0
31	1.0		5.6		11.6		19.0	14.2		7.1		2.0
Average	1.2	0.8	2.0	5.8	11.0	16.1	19.3	(17.5)	14.3	9.5	4.9	2.3

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-2.6	-8.4	1.5	11.4	12.2	8.9	18.1	16.2	11.9	8.0	3.6	-0.6
2	0.1	-3.2	2.7	4.5	10.4	10.3	17.3	14.7	12.5	8.7	4.2	1.2
3	1.2	1.7	4.2	1.6	6.4	12.3	16.2	14.4	12.4	10.5	4.4	-5.5
4	0.5	1.1	2.9	0.3	8.4	14.0	15.7	16.5	13.1	12.5	7.2	-5.5
5	0.3	0.1	-0.6	4.1	10.1	12.5	17.7	15.0	10.4	11.2	1.4	-2.3
6	-1.7	-2.8	-2.7	-2.2	6.8	14.5	19.2	13.3	10.2	8.8	-0.2	-1.3
7	-3.6	-4.4	-2.0	-4.0	7.4	14.3	21.4	17.2	10.7	8.5	2.2	-3.0
8	-5.9	-0.4	-2.8	-3.0	5.2	16.3	21.7	20.5	12.1	5.7	1.7	-9.3
9	-8.6	-1.2	-3.6	1.8	9.7	16.3	21.0	19.2	11.9	3.4	1.0	-2.5
10	-10.5	-1.0	-5.1	6.4	13.8	16.0	19.6	(19.7)	12.2	3.9	0.6	-1.3
11	-11.0	-4.6	-3.6	7.5	15.6	15.9	19.9	17.1	13.1	5.4	0.2	-3.0
12	-8.3	-7.1	-0.1	9.4	15.8	17.3	18.1	15.2	14.8	3.6	0.3	-3.8
13	-4.3	-5.3	2.0	1.2	11.8	12.7	21.4	17.2	14.7	1.7	2.0	-7.9
14	-5.7	-3.6	2.2	1.7	10.9	13.8	22.8	18.5	14.8	2.1	2.4	-7.0
15	-6.7	-5.1	1.2	0.3	11.2	17.2	19.7	20.3	14.9	3.3	1.3	-2.4
16	-8.3	-4.5	2.3	1.5	9.8	18.1	21.2	21.3	16.4	4.6	-0.9	-1.8
17	-8.8	-2.3	0.4	2.4	9.3	20.4	21.5	13.0	11.9	3.4	-0.3	-1.1
18	-12.0	-0.2	-1.6	5.0	8.6	21.4	21.0	11.7	10.4	4.6	0.7	-2.2
19	-5.6	-0.3	-4.5	5.5	9.2	21.9	18.4	13.3	9.5	5.5	2.9	-0.3
20	-3.2	-0.4	-4.8	6.2	9.4	22.2	15.1	16.0	5.8	9.6	1.6	-3.4
21	2.0	-0.5	-2.5	5.9	11.5	22.5	15.9	15.8	7.7	8.6	2.6	-2.3
22	3.1	1.0	-1.7	6.0	8.8	24.1	14.4	17.4	5.5	5.6	2.3	-5.2
23	2.2	1.3	1.3	3.7	8.4	23.6	16.9	15.0	8.4	3.8	-1.6	-4.0
24	1.0	2.8	1.6	5.4	10.6	25.8	17.4	12.6	9.7	0.9	-3.8	-1.7
25	-0.6	3.1	0.6	2.4	11.7	21.8	17.1	10.4	11.6	1.0	-0.2	-0.8
26	-4.4	3.7	3.0	4.4	12.0	18.2	20.8	9.8	13.5	2.1	2.1	-1.9
27	-8.4	2.6	6.9	4.0	10.8	17.7	21.9	10.0	13.2	3.0	1.3	-2.2
28	-6.4	0.7	2.7	6.8	11.5	20.1	21.6	11.4	11.8	3.4	2.1	-1.7
29	-2.3		4.4	8.1	9.0	20.8	18.4	10.7	10.7	5.6	-1.0	-0.7
30	-2.2		6.1	8.6	8.6	23.0	19.8	10.9	9.6	10.0	-2.7	-0.8
31	-8.2		10.1		8.7		15.6	10.4		5.5		0.0
Average	-4.2	-1.3	0.7	3.9	10.1	17.8	18.9	(15.0)	11.5	5.6	1.2	-2.7

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	-7.1	-16.3	-4.4	1.2	3.3	2.5	14.2	10.1	7.3	1.8	-4.2	-5.9
2	-4.2	-12.0	-4.8	-2.8	2.2	1.5	12.9	7.2	6.7	1.7	0.7	-1.3
3	-0.5	-0.7	-3.8	-3.9	-2.6	2.9	11.4	5.7	4.4	1.8	-1.8	-12.5
4	-1.4	-1.1	-2.6	-6.9	-3.7	3.6	8.4	8.5	3.9	5.4	1.5	-14.1
5	-3.0	-2.6	-4.0	-7.8	2.7	5.5	9.0	13.1	2.8	4.9	-3.6	-5.9
6	-5.5	-6.6	-8.3	-11.6	-0.1	4.4	10.1	6.1	0.6	7.5	-5.3	-2.6
7	-10.0	-6.7	-8.9	-12.7	0.4	4.8	11.0	6.0	1.5	0.8	-4.3	-10.1
8	-11.2	-2.3	-7.1	-10.9	-2.8	5.4	12.9	13.8	3.9	-1.9	-3.8	-12.7
9	-12.4	-5.4	-8.7	-9.7	-3.2	7.3	14.4	9.8	2.2	-3.7	-5.5	-7.3
10	-14.2	-2.6	-12.4	-2.4	3.7	6.6	13.8	(11.7)	2.4	-3.0	-5.0	-4.2
11	-14.9	-9.3	-18.3	-2.2	6.0	6.3	12.6	6.6	5.0	-0.5	-3.9	-8.0
12	-16.7	-9.6	-6.0	5.3	5.4	6.0	11.2	7.9	3.5	-2.0	-3.9	-10.6
13	-8.3	-8.7	-6.9	-1.4	6.7	6.4	12.9	7.5	7.8	-1.8	-3.5	-12.1
14	-11.5	-5.5	-3.7	-1.7	7.5	5.3	14.9	9.9	8.2	-3.4	-2.0	-10.7
15	-9.9	-8.3	-3.8	-1.5	7.3	4.4	14.9	10.8	6.3	-3.6	-4.2	-8.4
16	-13.1	-7.7	-2.8	-2.9	2.3	6.5	12.6	12.8	11.1	-0.8	-5.0	-5.6
17	-14.3	-6.7	-2.2	0.5	1.9	9.1	14.3	6.0	5.6	-1.5	-6.4	-6.4
18	-18.7	-0.5	-9.4	1.0	3.3	9.1	14.5	5.1	5.4	-0.1	-4.0	-7.5
19	-8.7	-2.1	-15.5	2.7	1.2	10.4	14.0	4.2	1.7	-1.0	-2.3	-4.5
20	-7.2	-4.2	-11.2	-1.7	1.0	10.6	10.3	9.4	-0.3	0.0	-2.9	-5.5
21	-2.3	-5.5	-12.2	-2.8	0.7	11.7	7.8	8.9	1.1	0.9	-2.7	-4.9
22	1.8	-2.8	-5.4	-0.7	1.1	14.5	7.6	9.9	1.5	-1.1	-0.6	-7.0
23	1.0	-4.0	-4.1	-3.4	1.1	13.9	9.0	13.8	-0.8	-1.8	-6.0	-8.6
24	-2.6	-0.9	-3.8	-3.1	0.3	15.2	8.6	7.8	4.5	-4.1	-7.8	-4.7
25	-1.9	-2.8	-5.2	-3.4	2.8	14.0	9.7	3.0	3.0	-6.4	-8.4	-3.1
26	-14.0	-2.5	-6.0	-5.1	1.5	10.9	12.5	1.4	5.5	-4.1	0.6	-3.3
27	-14.2	-3.6	-4.3	-4.1	2.4	9.6	12.9	3.6	5.9	-4.0	-0.7	-3.0
28	-15.5	-5.1	-4.8	-5.3	5.9	9.8	12.5	3.6	4.4	-6.5	-1.2	-2.3
29	-4.1		-5.2	0.1	3.0	13.9	11.1	6.3	0.8	-1.5	-6.9	-1.5
30	-9.5		0.9	2.1	1.1	14.2	9.9	4.9	5.9	5.2	-7.8	-2.2
31	-16.4		0.0		3.7		10.5	3.7		-3.6		-1.8
Extreme	-18.7	-16.3	-18.3	-12.7	-3.7	1.5	7.6	(1.4)	-0.8	-6.5	-8.4	-14.1

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	1.6	1.0	1.5	2.0	1.6	2.1	1.0	1.1	1.4	0.9	1.7	2.2
2	2.1	1.5	1.2	1.4	2.3	1.9	1.0	1.1	1.6	2.4	0.9	1.6
3	1.8	1.8	1.3	2.0	2.2	2.2	1.1	1.2	1.4	3.1	2.4	0.9
4	1.2	1.8	0.9	2.0	3.2	1.3	1.1	1.3	1.0	2.6	2.7	2.6
5	0.9	0.7	3.0	3.3	2.4	1.0	1.0	0.9	1.8	2.0	1.2	0.8
6	1.4	1.6	1.7	1.3	3.1	1.8	1.5	1.3	1.5	1.3	1.1	0.6
7	0.7	1.1	1.5	1.3	2.4	1.8	1.8	2.1	1.1	1.3	1.6	0.9
8	0.9	0.8	2.0	1.3	1.6	1.7	1.5	2.1	1.3	2.1	1.0	0.9
9	1.2	0.7	1.2	4.0	2.8	2.0	1.8	1.1	1.4	2.4	1.0	1.6
10	1.0	0.6	2.0	2.3	3.6	2.2	1.8	(1.6)	1.5	1.2	1.8	0.9
11	0.9	1.1	3.5	3.8	2.9	1.3	1.4	1.3	1.4	0.8	1.1	0.8
12	0.9	2.7	1.9	2.4	1.9	1.4	1.2	1.4	1.2	1.3	0.8	2.7
13	1.2	4.4	3.5	1.3	1.4	2.9	2.1	1.2	0.9	0.8	1.5	0.9
14	1.0	4.6	1.4	3.5	0.7	3.4	1.9	1.2	1.1	1.1	0.6	1.1
15	1.2	1.2	2.7	1.0	1.4	1.9	1.3	1.8	1.5	1.2	0.8	1.0
16	1.2	1.0	3.8	0.6	1.4	2.3	1.7	2.1	1.2	0.8	1.2	0.9
17	0.7	0.9	4.2	0.7	1.4	1.8	2.3	1.2	0.9	0.7	1.0	4.3
18	0.8	0.7	3.2	2.0	1.3	1.5	2.3	1.2	1.1	0.8	0.9	1.9
19	1.2	1.1	1.6	2.0	1.8	1.6	2.9	1.1	0.9	1.4	0.8	2.0
20	1.2	0.9	1.5	2.0	3.8	1.6	2.2	1.2	1.2	3.2	1.1	3.8
21	4.6	1.3	1.5	1.3	2.7	1.3	1.1	1.2	1.0	3.6	0.9	1.6
22	4.2	0.9	3.6	1.9	2.4	2.2	1.1	1.1	1.1	2.9	0.9	1.0
23	2.6	1.2	3.4	1.6	1.1	1.5	1.1	0.7	1.3	1.4	1.0	2.3
24	1.5	1.1	3.5	1.5	2.1	2.4	1.6	1.9	1.8	1.0	0.9	1.4
25	0.7	1.2	1.1	1.9	1.5	1.5	1.3	1.0	1.2	1.3	3.6	1.3
26	1.1	1.3	1.2	1.8	2.3	1.5	1.8	1.2	1.1	1.4	1.3	1.3
27	1.1	2.2	2.6	1.4	1.1	1.3	2.2	0.9	1.1	1.3	1.4	0.6
28	1.0	1.2	1.4	2.0	1.3	1.4	2.5	1.0	1.4	1.1	1.2	1.1
29	0.7		0.9	2.2	1.0	1.3	1.1	1.7	1.1	2.3	0.9	0.8
30	1.4		0.8	1.1	2.3	1.8	2.1	0.8	0.7	5.0	2.2	0.8
31	1.0		1.6		2.4		1.2	0.9		2.3		1.1
Average	1.4	1.5	2.1	1.9	2.0	1.8	1.6	(1.3)	1.2	1.8	1.3	1.5

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	10.4	4.3	13.5	17.9	9.4	11.4	7.0	8.5	12.5	6.2	8.7	13.4
2	8.5	15.1	5.0	10.8	19.5	8.2	5.1	6.3	12.1	13.4	5.3	13.1
3	9.4	14.8	4.5	10.2	11.4	10.2	10.3	9.5	5.0	13.1	12.5	4.7
4	6.2	20.1	3.8	10.2	14.8	6.5	6.0	8.3	4.8	14.6	11.4	13.1
5	8.8	4.5	19.2	17.7	12.2	7.1	3.6	5.9	7.3	9.9	8.4	5.5
6	5.5	7.0	9.1	7.6	15.2	9.2	7.4	7.6	4.8	9.8	5.0	2.9
7	4.7	5.6	8.4	5.3	13.5	9.9	9.2	12.9	4.9	7.1	12.1	8.0
8	3.5	3.9	11.4	7.8	11.5	10.1	9.6	14.2	6.2	10.5	5.4	4.0
9	3.6	6.3	5.7	16.2	12.2	12.8	13.5	5.7	7.1	11.1	3.9	8.2
10	3.6	4.4	11.5	12.5	13.8	13.7	12.0	(11.1)	5.9	6.2	12.3	4.7
11	3.3	7.6	18.4	14.7	12.8	8.5	9.4	7.1	5.0	3.2	5.4	4.0
12	5.4	21.1	11.0	11.9	8.8	14.6	9.3	5.0	7.6	5.9	3.2	15.7
13	8.8	22.2	23.5	14.4	9.4	15.2	9.5	4.6	5.3	7.2	8.8	3.6
14	10.8	21.1	10.9	20.3	5.0	17.9	22.4	6.1	5.2	6.6	3.1	3.8
15	6.6	5.6	11.6	4.2	7.8	8.5	11.6	10.4	8.3	6.7	2.9	4.7
16	8.4	5.8	16.2	3.0	10.4	9.9	7.4	19.4	7.6	4.5	4.7	4.3
17	2.8	6.6	17.4	3.2	7.3	8.4	11.2	6.9	6.1	3.3	8.0	19.6
18	2.8	9.9	13.9	8.2	6.4	6.7	14.2	5.1	5.4	5.0	3.6	20.4
19	10.9	10.2	11.1	6.9	8.4	6.6	11.5	5.9	6.2	9.2	3.4	20.3
20	10.4	4.9	9.2	9.7	15.5	6.1	11.4	6.1	8.0	13.3	4.9	18.3
21	15.6	4.3	10.0	8.0	12.3	7.9	5.8	4.8	6.0	20.6	5.0	16.6
22	19.5	4.1	17.0	11.7	14.4	10.7	5.7	5.6	10.2	18.3	7.0	4.3
23	10.5	7.8	20.0	11.3	8.6	6.5	4.0	4.3	11.0	8.4	3.8	13.4
24	7.6	4.3	18.8	8.9	9.5	10.7	8.3	12.3	9.7	4.4	3.9	5.8
25	4.3	9.2	5.0	12.6	8.9	8.4	7.6	6.5	5.8	8.5	16.6	7.6
26	3.7	8.6	5.8	8.1	12.7	8.7	14.1	12.1	4.8	9.5	8.4	4.7
27	4.7	14.5	13.6	8.0	7.9	7.9	13.2	4.3	5.1	5.3	10.7	2.9
28	4.9	5.3	8.2	10.2	8.9	6.6	12.5	6.1	10.5	5.0	7.6	5.8
29	4.2		3.6	11.4	8.6	7.3	4.8	9.1	6.9	14.0	4.3	5.1
30	11.1		3.3	6.4	15.2	9.5	12.3	5.8	5.1	18.3	15.6	3.2
31	3.9		5.8		13.0		10.5	5.8		14.0		7.8
Extreme	19.5	22.2	23.5	20.3	19.5	17.9	22.4	(19.4)	12.5	20.6	16.6	20.4

Stará Lesná

Daily and monthly totals of precipitation [mm]

Year 2021

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	0	0	0	0	4	0	0	(0)	0	0	0	0
2	0	0	0	2	8	0	0	(0)	0	0	14	3
3	0	1	0	1	0	0	2	(0)	0	0	0	1
4	0	0	0	0	0	0	0	(0)	0	0	2	0
5	5	1	7	1	8	5	0		0	0	0	2
6	2	2	0	9	1	0	0	(0)	0	10	0	1
7	1	11	0	1	1	0	0	0	3	0	0	0
8	0	12	0	0	0	0	0	(0)	0	0	0	0
9	0	5	0	0	0	2	4	0	0	0	0	0
10	0	3	0	0	0	0	16	(0)	0	0	0	2
11	0	3	2	0	0	0	0	0	0	0	0	0
12	0	0	2	15	0	6	3	0	2	1	0	0
13	0	0	0	7	9	0	0	0	0	2	0	0
14	0	0	0	0	10	0	15	0	0	0	0	0
15	0	0	0	3	8	0	11	0	0	0	0	0
16	0	1	0	1	5	0	0	(0)	0	0	0	0
17	0	5	2	0	36	0	0	(0)	34	0	0	4
18	1	2	0	2	3	0	0	0	0	0	0	0
19	1	2	0	3	1	0	0	0	0	0	0	2
20	2	0	0	0	0	0	0	0	0	0	0	3
21	0	0	0	1	0	0	0	0	0	0	0	1
22	1	0	1	3	0	0	0	(0)	1	0	1	0
23	1	0	1	0	4	1	0	(0)	0	0	0	0
24	5	0	0	0	0	0	0	(0)	0	0	0	2
25	8	0	0	0	2	7	0	0	0	0	0	10
26	0	0	0	0	0	6	0	(0)	0	0	4	0
27	0	0	2	0	3	2	0	(0)	0	0	0	0
28	0	0	2	0	0	0	0	(0)	0	0	5	0
29	2		1	0	2	2	0	(0)	1	0	7	0
30	1		1	3	2	0	0	(0)	27	0	0	1
31	0		0		1	0			0			5
Sum	30	48	21	52	108	31	51	(0)	68	13	33	37

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