

Annex 1. List of stations and climate time-series to be provided by Bulgaria NMHS to the datasets under development by the WMO MEDARE Initiative

| Station name | WMO code | Latitude | Longitude | Altitude (m) | Starting date |
|--------------|----------|-----------|-----------|--------------|---------------|
| Vidin | 15502 | 43.9942 N | 22.8526 E | 31 | 01.10.1907 |
| Knezha | 15520 | 43.4800 N | 24.0696 E | 117 | 01.01.1910 |
| Lovech | 15525 | 43.1633 N | 24.7007 E | 220 | 01.06.1937 |
| Razgrad | 15549 | 43.5662 N | 26.5079 E | 346 | 01.01.1946 |
| Varna | 15552 | 43.2125 N | 27.9525 E | 39 | 01.01.1959 |
| Sliven | 15640 | 42.6777 N | 26.3399 E | 259 | 01.01.1892 |
| Kurdzhali | 15730 | 41.6468 N | 25.3853 E | 337 | 16.10.1929 |
| Sandanski | 15712 | 41.5501 N | 23.2674 E | 206 | 01.05.1930 |
| Kyustendil | 15601 | 42.2838 N | 22.7131 E | 520 | 01.01.1892 |
| Sofia-CMS | 15614 | 42.6553 N | 23.3847 E | 586 | 01.02.1952 |

| Variable | Vidin | Knezha | Lovech | Razgrad | Varna |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | 01.10.1907 | 01.01.1910 | 01.06.1937 | 01.01.1946 | 01.01.1959 |
| Minimum air temperature | 01.04.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Maximum air temperature | 01.04.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Hourly air temperature | 01.01.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Precipitation | 01.01.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Air pressure | 16.03.1953 | 07.09.1944 | 01.01.1955 | 01.09.1978 | 01.08.1984 |
| Relative humidity | 01.01.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Cloud cover | 01.01.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Wind direction and speed | 01.01.1910 | 01.01.1926 | 01.01.1952 | 01.01.1951 | 01.01.1959 |
| Sunshine duration | 01.05.1970 | 01.08.1942 | NO | NO | 01.03.1950 |

| Meteo element | Sliven | Kurdzhali | Sandanski | Kyustendil | Sofia-CMS |
|------------------------|--------------------------|-------------------|--------------------------|--------------------------|--------------------------|
| Minimum air | 01.01.1892 01.01.1900 | 16.10.1929 | 01.05.1930 01.01.1931 | 01.01.1892 01.01.1906 | 01.02.1952 01.02.1952 |
| Maximum air | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 01.02.1952 |
| Hourly air temperature | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 01.02.1952 |
| Precipitation | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 01.02.1952 |
| Air pressure | 01.01.1900 | 01.12.1956 | 01.01.1931 | 01.01.1906 | 01.10.1952 |
| Relative humidity | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 01.02.1952 |
| Cloud cover | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 01.02.1952 |
| Wind direction | 01.01.1900 | 16.10.1929 | 01.01.1931 | 01.01.1906 | 09.05.1952 |
| Sunshine duration | 01.03.1975 | 01.01.1950 | 01.08.1950 | 01.03.1961 – | 01.06.1952 |

| Synoptic station with Climatic terms: 05, 12, 19 UTC | Length of digitized records | Length of records available only in paper form |
|---|------------------------------------|---|
| Vidin | 04.1910 – 2011 | 10.1907 – 1909 |
| Knezha | 01.1926 – 2011 | – |
| Lovech | 01.1952 – 2011 | – |
| Razgrad | 01.1951 – 2011 | 1946 – 1950 |
| Varna | 01.1959 – 2011 | – |
| Sliven | 01.1900 – 2011 | 1892 – 1899 |
| Kurdzhali | 10.1929 – 2011 | – |
| Sandanski | 01.1931 – 2011 | – |
| Kyustendil | 01.1906 – 2011 | 1892 – 1905 |
| Sofia – CMS | 02.1952 – 2011 | – |