

# Weather Codes

## ww – Present Weather

### 00-49 No precipitation at ship at time of observation

#### 00-03 Change of Sky in Last Hour

- 00 Cloud development not observed or not observable
- 01 Clouds dissolving or becoming less developed
- 02 State of sky on the whole unchanged
- 03 Clouds forming or developing

#### 04-09 Haze, Dust, Sand or Smoke

- 04 Visibility reduced by smoke, e. g. industrial smoke, volcanic ash
- 05 Haze
- 06 Widespread dust in suspension in the air, not raised by wind at or near ship at time of observation
- 07 Blowing spray at the station
- 09 Duststorm or sandstorm within sight at the time of observation or during the preceding hour

#### 10-12 Shallow Fog or Mist

- 10 Mist (visibility 1000 metres or more)
- 11 Shallow fog in patches . . . . . } Not deeper than 10 m at sea or 2 m ashore
- 12 Shallow fog, not more or less continuous } Not deeper than 10 m at sea or 2 m ashore

#### 13-16 Phenomena Within Sight but not at Station

- 13 Lightning visible, not thunder heard
- 14 Precipitation, not reaching the ground or surface of sea
- 15 Precipitation beyond 3 miles, reaching surface
- 16 Precipitation within 3 miles, reaching surface

#### 17 Thunder audible during the 10 minutes preceding the time of observation, but no precipitation at time of observation

#### 18-19 Phenomena Within Last Hour or at Time of Observation

- 18 Squall(s) . . . . . } at or within sight of ship
- 19 Funnel cloud(s) (Tornado cloud or waterspout) } at or within sight of ship

#### 20-29 Phenomena Within Last Hour but not at Time of Observation

- 20 Drizzle (not freezing) or snow grains
- 21 Rain (not freezing) . . . . . } Not in showers
- 22 Snow . . . . . } Not in showers
- 23 Rain and snow, or ice pellets . . . . . } Not in showers
- 24 Drizzle or rain, freezing . . . . . } Not in showers
- 25 Shower(s) of rain
- 26 Shower(s) of snow, or of rain and snow
- 27 Shower(s) of hail, or of hail and rain
- 28 Fog in the past hour but not at present (visibility was less than 1000 m now is 1000 m or more)
- 29 Thunderstorm, with or without precipitation or lightning  
See also 91-94.

#### 30-35 Duststorm, Sandstorm, Drifting or Blowing Snow, all terms refer to development during the preceding hour

- 30 Duststorm or sandstorm, decreasing, \* slight or moderate
- 31 Duststorm or sandstorm, unchanging, \* slight or moderate
- 32 Duststorm or sandstorm, increasing, \* slight or moderate
- 33 Duststorm or sandstorm, decreasing, \* severe
- 34 Duststorm or sandstorm, unchanging, \* severe
- 35 Duststorm or sandstorm, increasing, \* severe
- 36 Drifting snow, below eye level, slight or moderate
- 37 Drifting snow, below eye level, heavy
- 38 Blowing snow, above eye level, slight or moderate
- 39 Blowing snow, above eye level, heavy

#### 40-49 Fog at Time of Observation

- 40 Fogbank at a distance at the time of observation, but not at ship during last hour, the fog extending to a level above that of the observer. (Visibility 1000 m or more)

#### 41-49 Visibility less than 1000 m

- 41 Fog in patches
- 42 Fog, thinning in last hour, sky discernible
- 43 Fog, thinning in last hour, sky not discernible
- 44 Fog, unchanging in last hour, sky discernible
- 45 Fog, unchanging in last hour, sky not discernible
- 46 Fog, beginning or thickening in last hour, sky discernible
- 47 Fog, beginning or thickening in last hour, sky not discernible
- 48 Fog, depositing rime, sky discernible
- 49 Fog, depositing rime, sky not discernible

\* (These terms refer to development during the preceding hour.)

#### 50-59 Drizzle

- 50 Slight drizzle. Intermittent
- 51 Slight drizzle. Continuous
- 52 Moderate drizzle. Intermittent
- 53 Moderate drizzle. Continuous
- 54 Dense drizzle. Intermittent
- 55 Dense drizzle. Continuous
- 56 Freezing drizzle. Slight
- 57 Freezing drizzle. Moderate or dense
- 58 Drizzle and rain. Slight
- 59 Drizzle and rain. Moderate or dense

} Not freezing

#### 60-69 Rain

- 60 Slight rain. Intermittent
- 61 Slight rain. Continuous
- 62 Moderate rain. Intermittent
- 63 Moderate rain. Continuous
- 64 Heavy rain. Intermittent
- 65 Heavy rain. Continuous
- 66 Freezing rain. Slight
- 67 Freezing rain. Moderate or heavy
- 68 Rain or drizzle and snow. Slight
- 69 Rain or drizzle and snow. Moderate or heavy

} Not freezing

#### 70-79 Solid Precipitation, Not in Showers

- 70 Slight fall of snow flakes. Intermittent
- 71 Slight fall of snow flakes. Continuous
- 72 Moderate fall of snow flakes. Intermittent
- 73 Moderate fall of snow flakes. Continuous
- 74 Heavy fall of snow flakes. Intermittent
- 75 Heavy fall of snow flakes. Continuous
- 76 Ice prisms . . . . . }
- 77 Snow grains . . . . . } With or without fog
- 78 Isolated starlike snow crystals }
- 79 Ice pellets

#### 80-90 Showery Precipitation. No thunder at time of observation or during preceding hour

- 80 Slight rain shower(s)
- 81 Moderate or heavy rain shower(s)
- 82 Violent rain shower(s)
- 83 Slight shower(s) of rain and snow
- 84 Moderate or heavy shower(s) of rain and snow
- 85 Slight snow shower(s)
- 86 Moderate or heavy snow shower(s)
- 87 Slight showers of soft or small hail\*
- 88 Moderate or heavy showers of soft or small hail\*
- 89 Slight showers of hail\* . . . . . }
- 90 Moderate or heavy showers of hail\* } Not associated with thunder  
(\* The hail may be accompanied by rain, snow, or both)

#### 91-94 Thunderstorm\* during the Preceding Hour but not at the Time of Observation

- 91 Slight rain . . . . . }
- 92 Moderate or heavy rain. . . . . } Precipitation occurring at time of observation
- 93 Slight snow, or rain and snow mixed, or hail . . . . . }
- 94 Moderate or heavy snow, or rain and snow, mixed, or hail . . . . . }

\*(Thunder heard; lightning may or may not be seen)

#### 95-99 Thunderstorm at Time of Observation

- 95 Slight or moderate thunderstorm without hail . . . . . }
- 96 Slight or moderate thunderstorm with hail . . . . . } Precipitation occurring at time of observation
- 97 Heavy thunderstorm without hail
- 98 Thunderstorm with dust or sandstorm
- 99 Heavy thunderstorm with hail