

Present Weather

Present Weather is a two digit code that describes the weather occurring at the time of observation, or in some cases that has occurred during the last hour. There are 100 code figures for describing present weather, from 00 to 99, generally the higher the code the worse the weather.

The codes are banded into six different categories:

- 01 - 19 Miscellaneous Phenomena
- 20 - 29 Phenomena Ceased During the Preceding Hour
- 30 - 39 Sand or Dust Storms
- 40 - 49 Fog or Ice Fog
- 50 - 79 Precipitation from Stratiform Clouds
- 80 - 99 Precipitation from Stratiform Clouds Only

Table below of Present Weather Codes:

Present weather code	
MISCELLANEOUS PHENOMENA	
01	Clouds generally dissolving or becoming less developed
02	State of sky generally unchanged
03	Clouds generally forming or developing
04	Visibility reduced by smoke (e.g. industrial smoke, forest fires)
05	Haze
06	Widespread dust in suspension in the air (not raised by wind) at or near station
07	Dust or sand raised by wind but no well developed dust or sand whirl(s), at or near station
08	Well developed dust or sand whirl(s) at or near station, but no dust or sandstorm seen
09	Dust or sandstorm within sight of station
10	Mist
11	Shallow fog (or ice fog) at station, not deeper than 2 m over land or 10 m over sea in patches
12	Shallow fog (or ice fog) at station, not deeper than 2 m over land or 10 m over sea more or less continuous
13	Lightning seen (but no thunder heard)
14	Precipitation in sight (But not at station) not reaching the ground or surface of the sea
15	Precipitation in sight (But not at station) reaching the ground or surface of the sea, but at a distance of not less than about 3 miles

16	Precipitation in sight (But not at station) reaching the ground or surface of the sea near to (but not at) the station
17	Thunderstorm without precipitation at the station
18	Squalls at or within sight of the station
19	Funnel cloud(s) (e.g. water spout, tornado cloud) at or within sight of the station
	PHENOMENA CEASED DURING THE PRECEDING HOUR
20	Drizzle (not freezing) or snow grains
21	Rain (not freezing)
22	Snow (in flakes)
23	Rain or snow (sleet) or ice pellets
24	Freezing drizzle or freezing rain
25	Shower(s) of rain
26	Shower(s) of snow (in flakes) or of snow and rain (sleet)
27	Shower(s) of hail, small hail or of rain and hail
28	Fog (or ice fog), i.e. visibility less than 1,000m due to water particles or ice crystals
29	Thunderstorm (with or without precipitation)
	SAND OR DUST STORMS
	Slight or moderate
30	Has decreased in the past hour
31	No appreciable change
32	Has begun or increased in the past hour
	Severe
33	Has decreased in the past hour
34	No appreciable change
35	Has begun or increased in the past hour
	Drifting or blowing snow
36	Slight or moderate drifting snow, generally low
37	Heavy drifting snow, generally low
38	Slight or moderate blowing snow, generally high
39	Heavy blowing snow, generally high

	FOG OR ICE FOG
40	Fog at a distance (not at the station in the past hour)
	Visibility LESS THAN 1,000m due predominantly to water droplets (or ice crystals)
41	Fog in patches
	Has become THINNER in the past hour
42	Sky/clouds discernible
43	Sky/clouds obscured
	No appreciable changes in the preceding hour
44	Sky/clouds discernible
45	Sky/clouds obscured
	Has formed or has become THICKER in the preceding hour
46	Sky/clouds discernible
47	Sky/clouds obscured
	Fog defrosting time
48	Sky/clouds discernible
49	Sky/clouds obscured
	Precipitation from stratiform clouds
	Drizzle
	Slight
50	Intermittent
51	Continuous
	Moderate
52	Intermittent
53	Continuous
	Heavy
54	Intermittent
55	Continuous
	Freezing Drizzle
56	Slight
57	Moderate or heavy

	Drizzle with rain
58	Slight
59	Moderate or heavy
	Rain
	Slight
60	Intermittent
61	Continuous
	Moderate
62	Intermittent
63	Continuous
	Heavy
64	Intermittent
65	Continuous
	Freezing Rain
66	Slight
67	Moderate or heavy
	Rain (or drizzle) with snow (sleet)
68	Slight
69	Moderate or heavy
	Snow (Flakes)
	Slight
70	Intermittent
71	Continuous
	Moderate
72	Intermittent
73	Continuous
	Heavy
74	Intermittent
75	Continuous
	Snow grains, ice pellets, etc.
76	Ice prisms

77	Snow grains
78	Isolated starlike snow crystals
79	Ice pellets
	Precipitation from stratiform clouds only
	Shower(s)
	Of Rain
80	Slight
81	Moderate or heavy
82	Violent
	Of Rain and snow (sleet)
83	Slight
84	Moderate or heavy
	Of snow (flakes)
85	Slight
86	Moderate or heavy
	Of snow pellets, or small hail with or without rain or sleet
87	Slight
88	Moderate or heavy
	Of hail with or without rain or sleet
89	Slight
90	Moderate or heavy
	Thundery conditions
	A thunderstorm without any precipitation is reported by code figure 17
	Thunderstorm ceased in the past hour. Precipitation continuing
91	Slight rain
92	Moderate/heavy rain
93	Slight snow/sleet/hail*
94	Moderate/heavy snow/sleet/hail*
	Thunderstorm with precipitation both at time of observation
95	Thunderstorm with rain and/or snow (flakes), slight or moderate
96	Thunderstorm with hail*, slight or moderate

97	Thunderstorm with rain and/or snow (flakes), heavy
98	Thunderstorm with dust or sandstorm
99	Thunderstorm with hail*, heavy
	The intensity refers to the thundery conditions not to the precipitation