

Yorkshire Dales National Park

Forecast valid from 06:00 on Friday 01 Mar 2024 until 23:59 on Saturday 02 Mar 2024

Forecast Issued on Friday 01 Mar 2024 at 03:28

Confidence: High for rather cold conditions with bands of rain, sleet or snow affecting the United Kingdom. Some day-to-day uncertainties in the track of these so please keep updated with the latest forecast.

Headline for Friday 01 Mar 2024: Dry start but sleet or snow arriving giving difficult conditions. Windy with blizzards developing on the tops.

Mountain weather hazards on Friday 01 Mar 2024

Blizzards

Low Likelihood

Heavy persistent snow

Medium Likelihood

Storm force winds

No Likelihood

Gales

Low Likelihood

Severe chill effect

High Likelihood

Poor visibility

High Likelihood

Thunderstorms

No Likelihood

Heavy persistent rain

Low Likelihood

Strong sunlight

No Likelihood

| Weather and chance of precipitation at 600m | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
|  |  |  |  |  |  |
| Cloudy | Heavy snow | Heavy snow | Heavy snow | Light snow showers (night) | Light snow showers (night) |
| Precipitation probability | | | | | |
| 10% | 40% | 90% | 90% | 50% | 50% |

Forecast for Friday 01 Mar 2024

Weather: Sleet or snow arriving from the south during the morning with mainly rain or sleet below 300m. This will be persistent and perhaps heavy for a few hours before clearing north during the evening. Bright spells and wintry showers following with a low chance of hail and thunder.

Chance of cloud-free hill tops above 600m: 70% to start the morning becoming less than 10% as sleet or snow arrive and cloud descends.

Low Cloud and visibility: Mainly good visibility at first with patchy cloud above 600m. Visibility becoming poor or very poor as sleet or snow arrives with extensive cloud and fog above 400m leading to very difficult navigation. Blizzard conditions on the tops for a few hours.

Forecast for Friday 01 Mar 2024

| Height (m) | Wind Speed mean/gusts (mph) | | | Wind Direction (blowing from) | | | |
|---------------|-----------------------------|---------|---------|-------------------------------|---------|---------|--------|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600 | 13/19 E | 22/29 E | 24/33 E | 13/19 SE | 9/15 SE | 8/14 SE | 7/11 E |
| 300 | 9/21 E | 14/30 E | 16/34 E | 9/18 SE | 6/14 SE | 4/11 E | 5/11 E |
| Valley | 9/23 E | 15/31 E | 16/35 E | 7/15 E | 4/10 E | 5/13 E | 5/11 E |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600 | -1/-7 | -1/-8 | 0/-7 | -1/-6 | -1/-6 | -2/-6 | -2/-6 |
| 300 | 0/-4 | 2/-3 | 1/-4 | 2/-2 | 1/-2 | 0/-2 | 0/-2 |
| Valley | 2/-2 | 3/-2 | 4/-2 | 3/0 | 2/0 | 2/-1 | 1/-1 |
| Freezing Level* | 300m | 400m | 500m | 400m | 400m | 300m | 300m |

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A cold day with gusts of 35 to 45mph on the tops giving a severe wind chill. Conditions deteriorating quite quickly during the morning when sleet or snow arrives.

Recent rainfall: measured at Malham: altitude 375m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|--------------------------|----------------|----------------|----------------|
| 03:00 on Fri 01 Mar 2024 | 0.2mm | 7mm | 12.4mm |

Forecast for Saturday 02 Mar 2024

Weather: Dry with clear spells and a frost overnight. A dry and bright start but becoming cloudy with occasional showers developing, wintry above 400m.

Maximum wind: Northeast 10 to 15mph gusts 25mph.

Chance of cloud-free hill tops above 600m: 80% decreasing to 20% in the afternoon.

Low Cloud and visibility: Good visibility in the morning with just the odd patch of fog in the valleys. Poor at times in the afternoon and evening with areas of cloud and fog developing above 400 to 600m.

Temperature: **Valleys:** Minus 2C rising to 5C.
At 600m: Minus 4C rising to Minus 1C.
Freezing level: 300m rising to 700m.