

Peak District National Park









Forecast valid from 00:00 on Thursday 08 Feb 2024 until 23:59 on Friday 09 Feb 2024
Forecast Issued on Wednesday 07 Feb 2024 at 15:26

Confidence: Medium

Headline for Thursday 08 Feb 2024: Heavy snow. Severe wind chill. Drifting.

Mountain weather hazards on Thursday 08 Feb 2024

Blizzards Medium 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 No Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Cloudy	Cloudy	Cloudy	Heavy snow	Heavy snow	Heavy snow	Light snow	Light snow
Precipitation probability							
00%	20%	40%	70%	80%	80%	80%	80%

Forecast for Thursday 08 Feb 2024

Weather: Dry and cold with upper cloud increasing. Cloud thickening and lowering during the morning with outbreaks of heavy snow. Further snow through the afternoon and evening, heavy at times, but turning to sleet at times lower down. Strong to gale force winds over the tops with severe wind chill, temporary blizzard, whiteout conditions and drifting.

Chance of cloud-free hill tops above 600m: 10%.

Low cloud and visibility: Cloud extensive, base 300 to 600m, during daylight hours. Visibility often moderate to very poor at height.

Forecast for Thursday 08 Feb 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/11 E	11/16 E	18/25 E	26/35 E	29/41 E	28/40 E	27/39 E	27/40 E	27/39 E
300	5/9 E	7/13 E	11/18 E	17/26 E	21/35 E	24/39 E	23/39 E	23/38 E	21/35 NE
Valley	5/12 E	10/18 E	12/23 E	14/29 E	19/38 E	20/40 E	22/43 E	23/44 E	22/43 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-2/-6	-2/-7	-2/-9	-2/-10	-2/-11	-2/-11	-2/-11	-2/-10	-2/-10
300	1/-2	0/-3	0/-4	0/-6	-0/-7	-0/-7	-0/-7	0/-6	1/-6
Valley	1/-1	1/-3	1/-4	1/-5	0/-6	0/-6	0/-6	1/-6	1/-5
Freezing Level*	300m	200m	200m	300m	200m	200m	200m	300m	400m

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

Meteorologist's View

Very challenging winter conditions.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 07 Feb 2024	4.8mm	18.8mm	18.8mm

Forecast for Friday 09 Feb 2024

Weather: Cloudy and overcast with outbreaks of rain, sleet and snow overnight. The snow heavy at times with blizzard and whiteout conditions at height. Turning to rain or sleet through the morning as milder conditions push in from the south, then outbreaks of rain and drizzle through the afternoon and evening.

Maximum wind: East or Northeast 30mph gusts 45mph early, easing steadily during the day.

Chance of cloud-free hill tops above 600m: 20%

Low cloud and visibility: Extensive cloud, base 300 to 600m, patches or occasional below 300m. Visibility moderate to very poor.

Temperature: **Valleys:** Zero gradually rising to Plus 6 Celsius
At 600m: Minus 1 Celsius gradually rising to Plus 3 Celsius
Freezing level: All levels steadily rising above the summits.