

Low level forecast Norway

Description of content

Vertical cross section

Vertical cross section plots for offshore flight routes, given by ICAO IDs.

The plot ENHF-ENBJ is generated from the AROME Arctic model, all other plots are generated from the MEPS model.

The plots are 2-dimensional, with flight path on the X-axis and altitude along the Y-axis (from SFC to 10,000 ft).

Wind arrows indicate the direction and force of the wind in knots. The wind direction is indicated as follows: North (360°) by arrows pointing down, south (180°) by arrows pointing up, west (270°) by arrows pointing to the right and east (90°) by arrows pointing to the left.

Isolines for temperature: blue for temperature below zero, red above zero, while the 0 isotherm is displayed as a black, solid line.

The blue palette shows the density of clouds for degrees 0.2, 0.4, 0.6, 0.8 and 1, where 1 means completely cloudy. Darkest color indicates the highest density of clouds.

The multicolor palette shows icing intensity: dark blue = traces of ice, cyan = feeble icing conditions, yellow = moderate icing conditions, red = severe icing conditions.

Wind

Map with wind and mean sea level pressure.

Blue, solid isolines for mean sea level pressure (only available for surface = 10m).

Wind arrows indicate the the direction and force of the wind in knots.

The palette shows the wind force: from weak winds (light green, 0.4-3 kt) to strong winds (blue, > 63.5 kt).

Clouds

Map with clouds and fog.

The light brown palette shows mean level clouds with altitude between 6500 ft and 13000 ft.

The yellow palette shows low level clouds, with altitude from surface up to 6500 ft.

The red palette shows fog.

For all palettes: darkest colors indicate the highest cloud/fog density.

Visibility

Map with visibility.

The palette shows visibility in meters, from poor visibility (dark red, 0-100 m) to good visibility (blue/white, > 10000 m). For visibility below 1000 meters the palette has 100

meters intervals. For visibility above 1000 meters the palette has 1000 meters intervals. White areas in the map indicate more than 10 km visibility.

Freezing level

Map with freezing level (0-isotherm).

The palette shows freezing level (0-isotherm), from surface (white) to above 10000 ft (red).

Precipitation last hour

Map with precipitation.

The palette shows precipitation intensity, from light precipitation (light blue, 0.1-0.2 mm) to heavy precipitation (dark purple, > 30 mm).

Yellow solid lines show precipitation as snow. If all of the precipitation is enclosed by yellow lines, all of the precipitation is snow.

The red palette shows risk of freezing rain/drizzle.

Icing index

Map with atmospheric icing.

The palette shows icing intensity: dark blue = traces of ice, cyan = feeble icing conditions, yellow = moderate icing conditions, red = severe icing conditions.

Temperature at 2 meter

Map with temperature at 2 meters height.

Blue and purple colors indicate temperature below zero, yellow and red colors indicate temperature above zero.

Sea Surface Temperature

Map with temperature at sea level.

Blue and purple colors indicate temperature below zero, yellow and red colors indicate temperature above zero.

Helicopter triggered lightning index

Map with risk for helicopters to trigger lightning offshore (index set to zero inland).

Yellow indicate low risk, orange indicate moderate risk and red indicate high risk.

In addition, cyan (dark blue) coloured areas indicate (high) risk for natural triggered lightning.

Helicopter significant wave height

Map with significant wave height.

Different colours indicate different wave heights.