The Observer Glossary's new weather basics: steady hold; to disaster cycle forms short

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The route is tight and every weather forecaster has to navigate the definitions of the Scottish terms used in the shipping forecast

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238

Number of words used in the shipping forecast

150

Number of years the shipping forecast has been broadcast

212

Number of sea areas around the UK

Sea

The sea is always a key factor in the shipping forecast.

Swell

Swell is the waves on the surface of the sea that have been generated by distant storms.

Wind

Wind speed is given in knots, or nautical miles per hour, and is the average speed over a 10-minute period.

Gale

Gale force winds are those between 34 and 40 knots, or 39 to 46 mph. Gales are the most severe weather mentioned in the shipping forecast.

Storm

Storm force winds are between 48 and 55 knots, or 56 to 63 mph. Storms are rare in the shipping forecast.

Hurricane

Hurricane force winds are those above 64 knots, or 74 mph. Hurricanes are rare in the shipping forecast.

Visibility

Visibility is the distance you can see, and is given in nautical miles. Fog is the most common cause of poor visibility.

Rain

Rain is the most common form of precipitation mentioned in the shipping forecast.

Showers

Showers are intermittent falls of rain, hail or snow.

Thunder

Thunder is the sound that follows lightning.

Backing

Backing is when the wind changes direction in an anticlockwise direction.

Veering

Veering is when the wind changes direction in a clockwise direction.

Cyclonic

Cyclonic is when the wind is blowing around a low-pressure area.

Anticyclonic

Anticyclonic is when the wind is blowing around a high-pressure area.

Occasional

Occasional means between 5% and 30% of the time.

Intermittent

Intermittent means between 30% and 60% of the time.

Continuous

Continuous means more than 60% of the time.

A 19-page glossary, 'defined by the sky, sea and land', is the key to the shipping forecast

The shipping forecast is a unique form of communication. Broadcast on BBC Radio 4 and BBC Radio 4 Extra, it is the only way that many of the people who work at sea receive weather updates. The route is tight and every weather forecaster has to navigate the definitions of the Scottish terms used in the shipping forecast

Sea areas

The sea is always a key factor in the shipping forecast. The sea areas are: Viking, North Utsire, South Utsire, Forties, Cromarty, Forth, Tyne, Dogger, Fisher, German Bight, Humber, Thames, Dover, Wight, Portland, Plymouth, Biscay, Trafalgar, Fitzroy, Sole, Lundy, Fastnet, Irish Sea, Shannon, Rockall, Malin, Hebrides, Bailey, Fair Isle, Faeroes, Southeast Iceland, Jan Mayen, Northeast Iceland, Fa