

The Monsoon Currents In The North Indian Ocean

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The Monsoon Currents In The

Monsoon Current, also called Monsoon Drift, surface current of the northern Indian Ocean. Unlike the Atlantic and Pacific, both of which have strong currents circulating clockwise north of the Equator, the northern Indian Ocean has surface currents that change with the seasonal monsoon. During the northeast monsoon (November–March), the Indian North Equatorial Current (or Northeast Monsoon ...

Monsoon Current | ocean current | Britannica

The Indian Monsoon Current refers to the seasonally varying ocean current regime found in the tropical regions of the northern Indian Ocean. During winter, the flow of the upper ocean is directed westward from near the Indonesian Archipelago to the Arabian Sea. During the summer, the direction reverses, with eastward flow extending from Somalia into the Bay of Bengal.

Indian Monsoon Current - Wikipedia

The monsoon currents are the seasonally reversing, open-ocean currents that flow between the Arabian Sea and the Bay of Bengal, the two wings of the north Indian Ocean. The Summer Monsoon Current (SMC) flows eastward during the summer monsoon (May–September) and the Winter Monsoon Current (WMC) flows westward during the winter monsoon (November–February).

[PDF] The monsoon currents in the north Indian Ocean ...

The Summer Monsoon Current (SMC) flows eastward during the summer monsoon (May–September) and the Winter Monsoon Current (WMC) flows westward during the winter monsoon (November–February). We assemble data on ship drifts, winds and Ekman drift, and geostrophic currents derived from altimetry and hydrography to describe the observed climatological seasonal cycle of the monsoon currents.

The monsoon currents in the north Indian Ocean - ScienceDirect

Monsoon Currents in oceans and seas, surface currents extending to a depth of approximately 100 m. The currents are caused by monsoons and undergo seasonal changes of direction. Monsoon currents are most pronounced in the Indian Ocean—in the equatorial zone, in the Arabian Sea, in the Bay of Bengal, and partially off the coasts of northeastern Africa ...

Monsoon Currents | Article about Monsoon Currents by The ...

Monsoon Zone The Monsoon Zone is a belt of low-pressure air currents that circle the Earth at the Equator. The Monsoon Zone is also known as the Intertropical Convergence Zone (ITCZ). The Monsoon Zone is usually warm and experiences mild winds. At sea, the Monsoon Zone is known as the Doldrums due to its lack of winds.

monsoon | National Geographic Society

"It restricts the surface flow of this current during the monsoon season, which prevents a lot of the heat normally carried by the current from making its way to the Indian Ocean." Furthermore, since all of these currents are connected globally, less warm water is transported into the Indian Ocean, and in turn, less warm water is transported from the Indian Ocean to the Atlantic Ocean over the ...

Seasonal Monsoon Rains Block Key Ocean Current - Climate ...

North- East monsoon (Winter monsoon) [November–February] monsoon is characterized by a dry continental air mass blowing from the vast Siberian high pressure area. 37 These winds blow from the north-east for one half of the year and from the south-west for the other half. In tropical monsoon country (E.g. Sri Lanka, India) there are two major monsoon seasons.

Monsoon system and Ocean currents around Sri Lanka

Monsoon Update (Updated on 3 June 2020) The Southwest Monsoon season arrived in late-May 2020 and is expected to persist over the region until September/early October. The prevailing winds during these months typically blowing from the southeast or southwest.

Forecast | Monsoon Update

A monsoon (/ m ɒ n ' s u : n /) is traditionally a seasonal reversing wind accompanied by corresponding changes in precipitation, but is now used to describe seasonal changes in atmospheric circulation and precipitation associated with the asymmetric heating of land and sea. Usually, the term monsoon is used to refer to the rainy phase of a seasonally changing pattern, although technically ...

Monsoon - Wikipedia

Monsoon currents flow between the Arabian Sea and the Bay of Bengal (BoB) in the northern Indian Ocean: the Southwest Monsoon Current flows eastward during the boreal summer monsoon (May–September ...

The monsoon currents in the north Indian Ocean | Request PDF

For many of us, monsoon is probably the most-awaited season of the year. Sure enough, the first drops of rains are rejuvenating, and provide us the much-sought relief from scorching summer heat. However, the onset of monsoon also means that your risk of catching a number of seasonal infections or diseases has increased considerably.

Monsoon - Latest News on Monsoon | Read Breaking News on ...

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The monsoon currents in the north Indian Ocean - NASA/ADS

In Indian Ocean: Surface currents ...during the northeast monsoon, the North Equatorial Current flows westward, turns south at the coast of Somalia, and returns east as the Equatorial Countercurrent between latitudes 2° and 10° S. An equatorial undercurrent flows eastward at a depth of 500 feet (150 metres) at that time. During the southwest monsoon,...

North Equatorial Current | Britannica

North-East Monsoon Current (Warm): North-east monsoon winds blow from land to the ocean during winter season in the northern hemisphere and thus westward blowing north-east monsoon currents are produced between Andman and Somali (fig. 29.4). This current flows to the south of 5°N latitude.

6 Main Currents in the Indian Ocean | Ocean | Geography

Precipitation and wind fields of the Asian monsoon show contrasting patterns between winter and summer (Figure 2.22).In winter, three branches of monsoon flow southward, respectively, over the Arabian Sea, the Bay of Bengal (Indian monsoons), and the SCS (East Asian monsoon), forming strong cross-equatorial northerlies there (Figure 2.22; Wang et al., 2003).

Monsoon - an overview | ScienceDirect Topics

"We have found that this current, which is a very important element of the global ocean current system, is significantly affected by local precipitation," Lee said. "It is fairly common knowledge that winds drive ocean currents. In this case, however, the precipitation is actually a dominant factor during the monsoon season."

News | Seasonal Monsoon Rains Block Key Ocean Current

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