

عنوان مقاله:

The meridional variability of the components of moisture exchange between the ocean and the atmosphere in the northern Atlantic

محل انتشار:

پنجمین کنفرانس بین المللی اقیانوس شناسی خلیج فارس (سال: 1400)

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خلاصه مقاله:

Output from Reanalysis ۲ is used to express the temporal and spatial variations of rainfall, evaporation on the North Atlantic. This archive has been used for the years ۱۹۸۰-۲۰۱۶ within ۳۰۰N-۷۰۰N. The difference between E and P is the net freshwater flux, which directly affects salinity and thus classifies the ocean surface layers. In mean annual, P exceeds E in the North Atlantic poleward of ۵۰۰N; E exceeds P between ۲۰۰N and ۵۰۰N as well as in the eastern Atlantic Ocean (۱۰۰N-۳۵۰N). Seasonal changes are significant among the regions: s: P and E both peak during the cold period (October-March) in the subpolar region, also P and E values are close in the warm cold period at latitude .۴۱۰N, so that in the warm period, their difference approaches zero

کلمات کلیدی:

evaporation, precipitation, North Atlantic, atmospheric water vapor transport, world-ocean

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