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Interdecadal variability in Labrador Sea E-P and sea surface salinity

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Net precipitation minus evaporation over the interior of the Labrador Sea since 1950 is analyzed from NCEP and ERA40 reanalyses. Results from both datasets are comparable (and consistent with satellite based measurements over the more recent part of the study period) and suggest a significant increase in precitation over the Labrador Sea since the mid 1970s, mainly in spring and summer. Potential linkages between changes in the atmospheric precipitation and historical sea surface salinity changes, and the great salinity anomalies is considered.