Fluctuations in the areas of baroclinic development in the Northern Hemisphere during the last four decades

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We use a recently created database of extremes of baroclinic development to check if there has been variations in the main areas of baroclinic development in the last four decades. We see that the minima of geopotential occur more frequently during 1968-1977 and 1988-1997 at 200 hPa; during 1988-1997 at 500 hPa and during 1968-1977 at 850 hPa; for winter in these regions: Europe, Northeast of Asia and Northeast of America.