



Climatology of fog in SW-Iceland

Aurelio Barranco and Haraldur Ólafsson

Univ. Iceland and Icelandic Meteorol. Office (haraldur@vedur.is; aureliobarrance@gmail.com)

The climatology of fog in Keflavik Airport in Southwest-Iceland has been investigated for the latter half of the 20th Century. Fog is twice as frequent in the late night than in the afternoon, suggesting important, but not dominating, impact of the diurnal cycle. There is large interannual variability in the frequency of fog, but no clear long-term trend. However, there is a clear shift in seasonal frequency; the period 1953-1977 had relatively frequent fog in the autumn, while 1978-1998, fog is relatively frequent in the spring and summer. This indicates sensitivity of the fog to mean sea surface temperatures. An attempt is made to assess frequency of fog in climate scenarii.