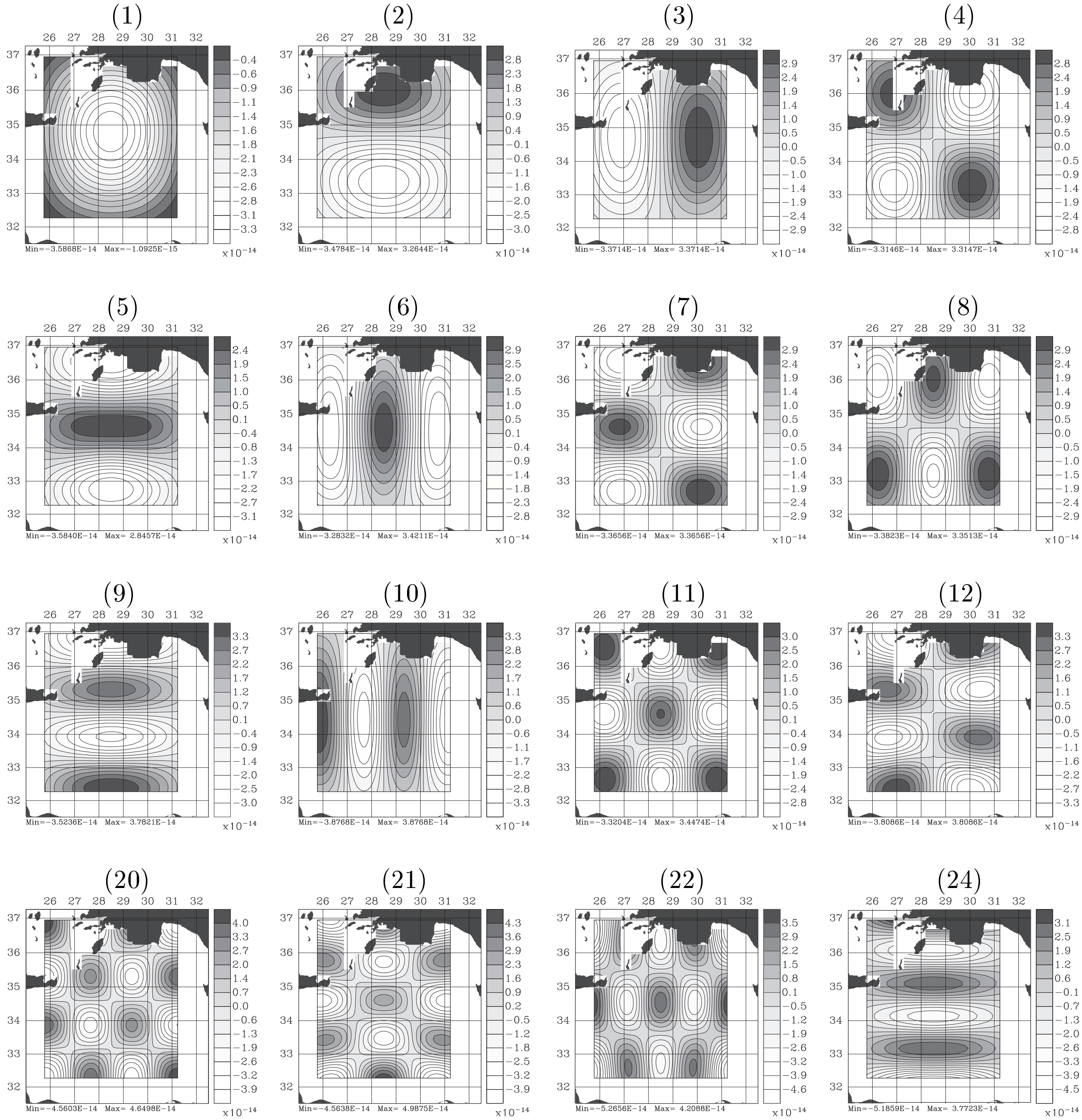

Fig. 3. Eigenvectors of a covariance for a subbasin-scale horizontal tracer field (Panel numbers are vector numbers). The non-dimensional covariance function and numerical domain are discussed in the text. The vectors 40 up to 2073 account for less than 1% of the subbasin-scale error variance. Note the decrease in scale as the vector number increases. Due to the Mercator projection, some paired vectors appear distorted (e.g. vectors 2–3, 5–6). All vectors are non-dimensional; the scale values have no absolute meaning.