

Figure 2.1: Mean seasonal SLP calculated from NMC CD-ROM data for the period 1956-1989.

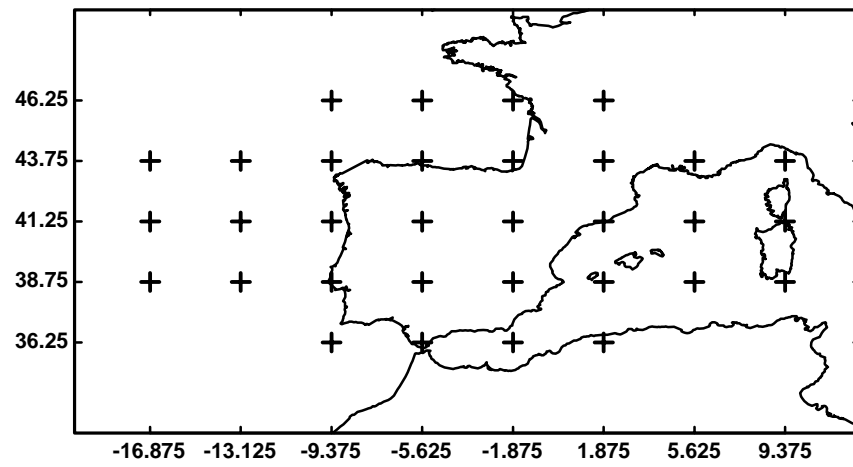


Figure 2.2: Grid used in the automated circulation-typing scheme.

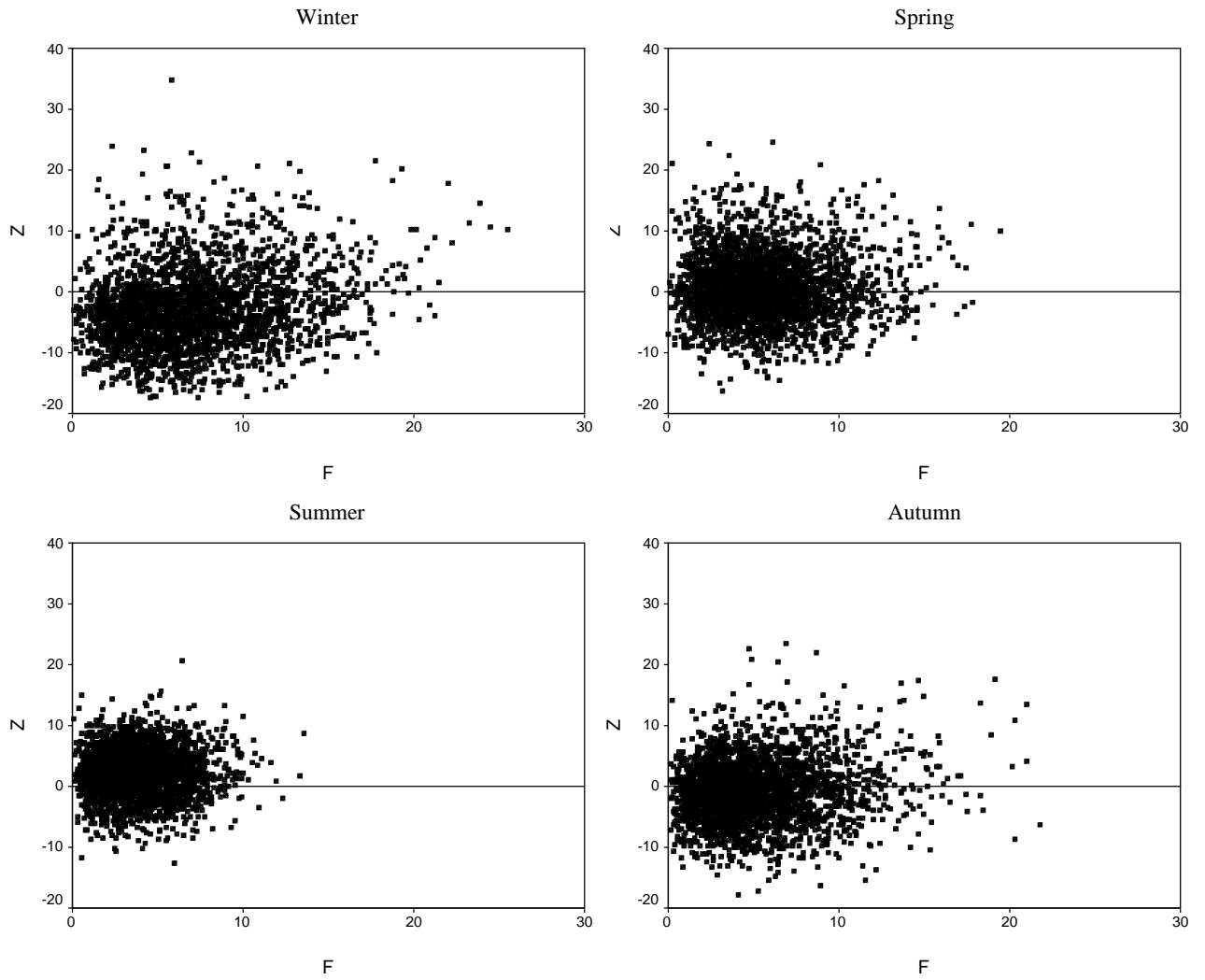


Figure 2.3: Seasonal scatter plots of F and Z calculated from observed SLP data.

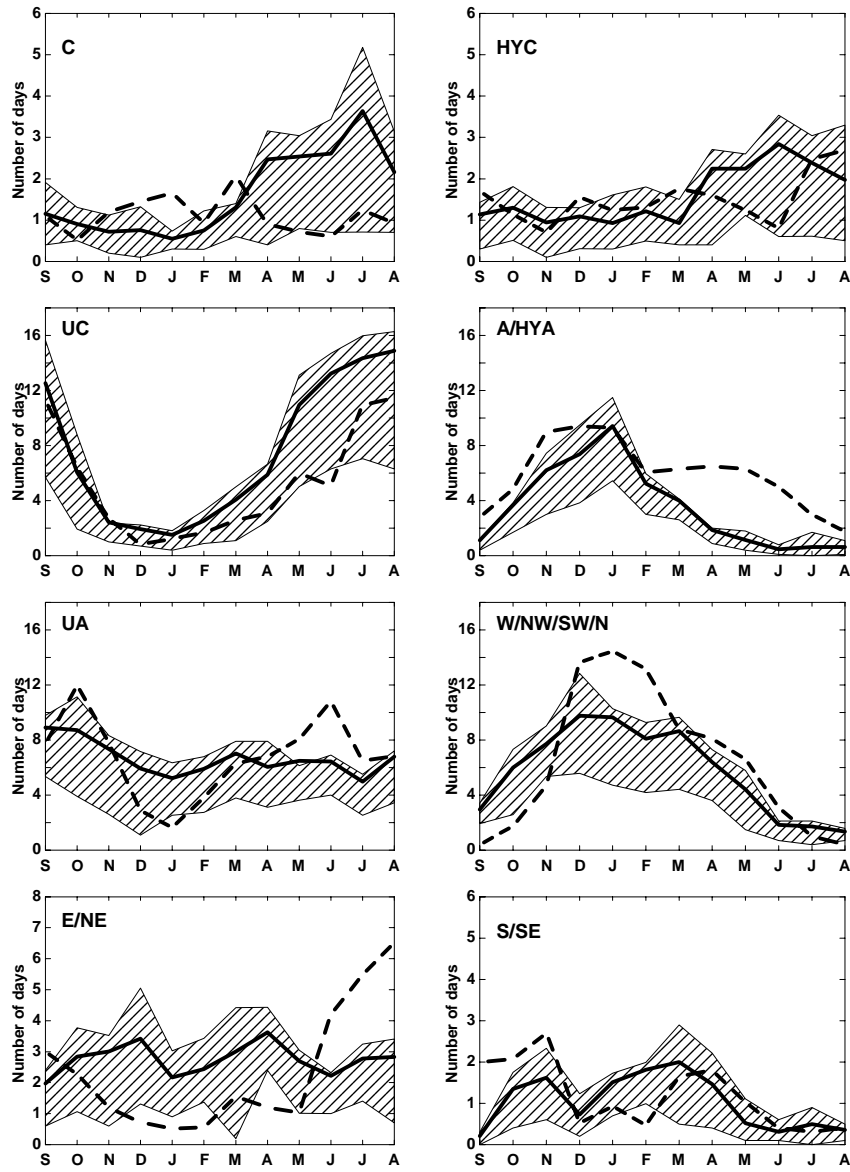


Figure 2.4: Observed and simulated monthly frequencies of the eight circulation-type groups. The solid line shows the mean frequency (number of days per month) calculated from observed SLP data (1956-1989). The shaded area shows the maximum and minimum frequency range observed over any ten-year period. The dashed line shows the mean frequency calculated from UKTR control-run model output.

Figure 2.5a:

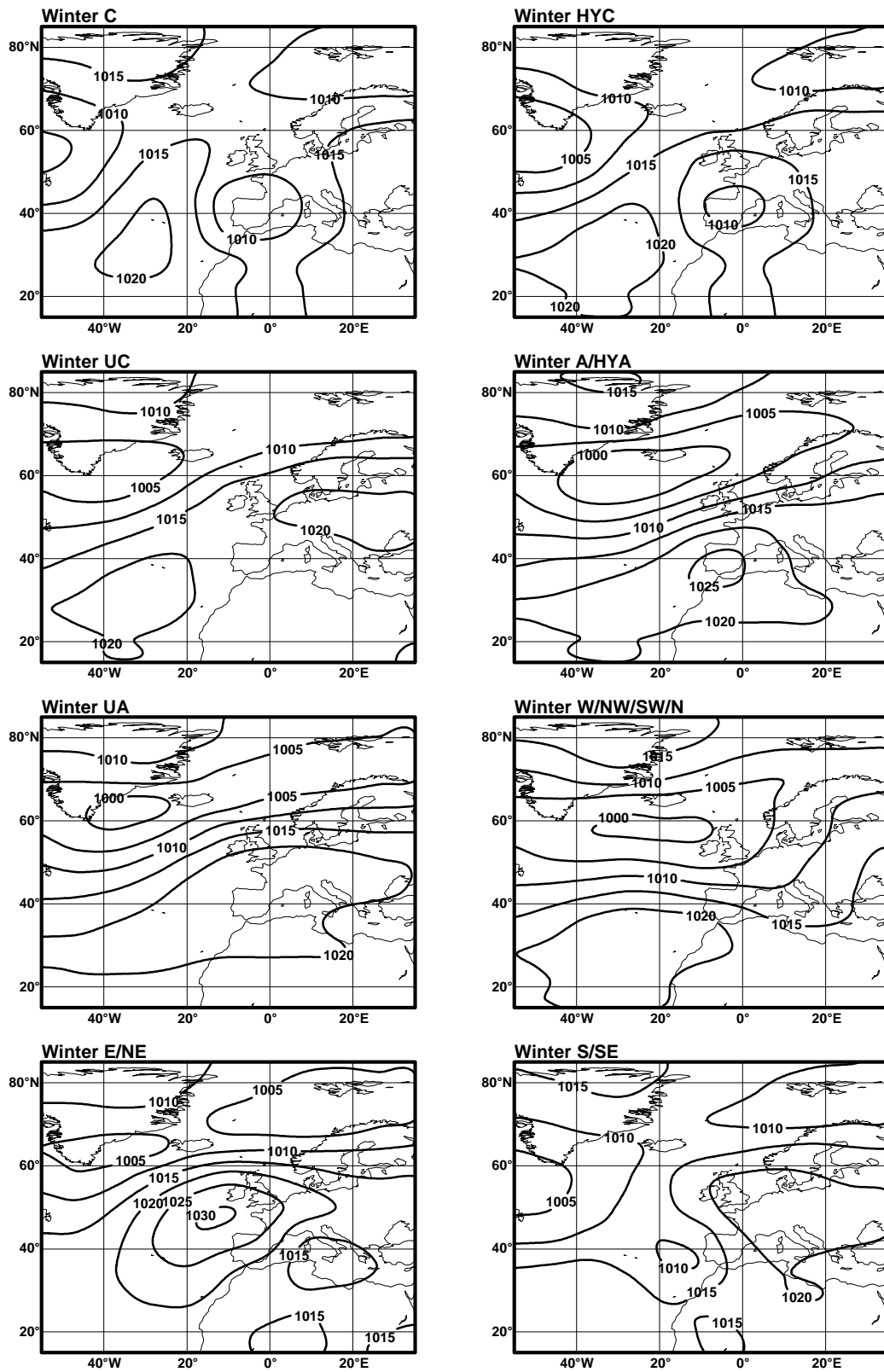


Figure 2.5: Seasonal mean SLP (hPa) for the eight circulation-type groups calculated from observed data, 1956-1989, (a) winter; (b) spring; (c) summer; and, (d) autumn.

Figure 2.5b:

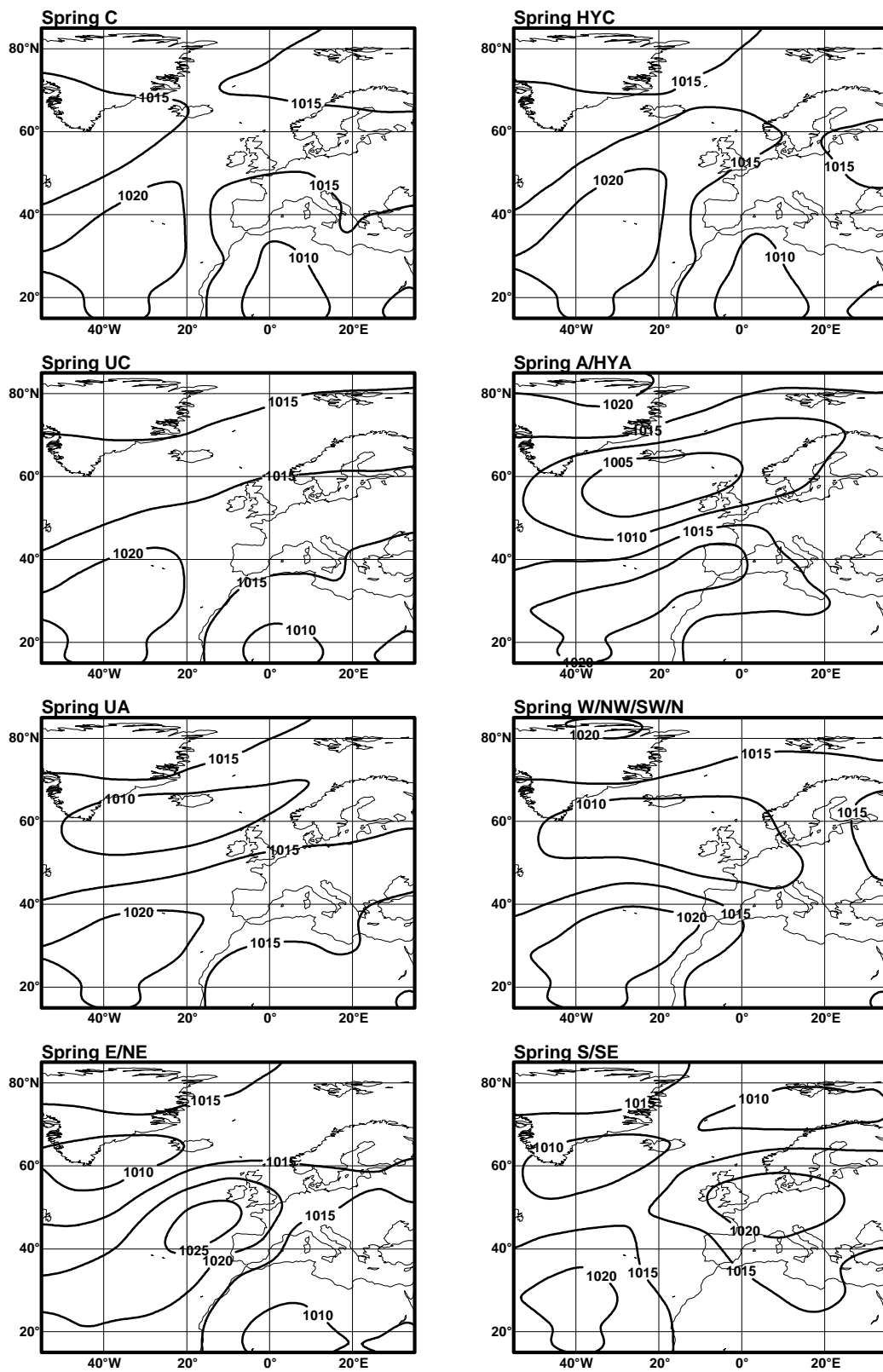


Figure 2.5c:

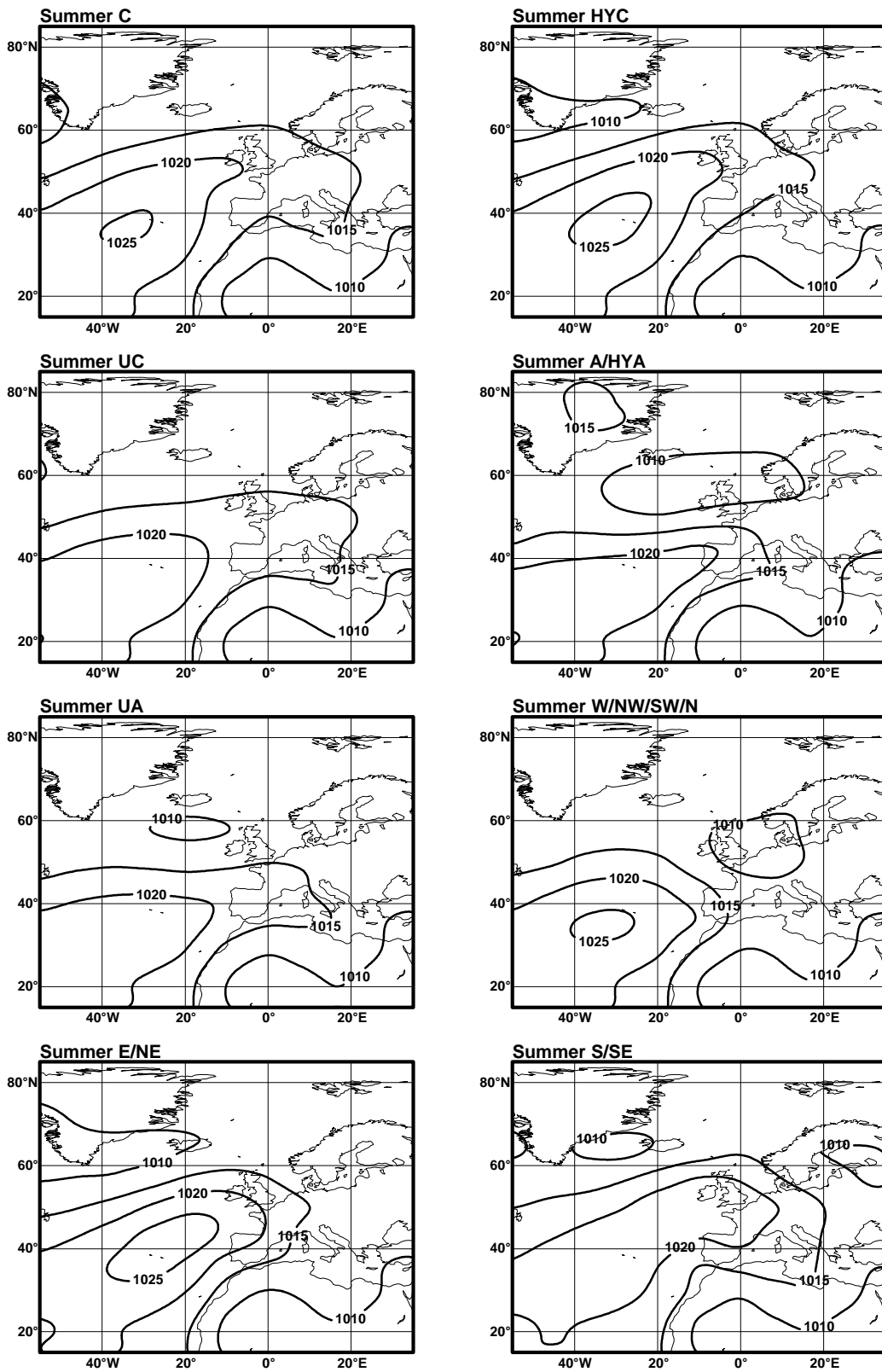


Figure 2.5d:

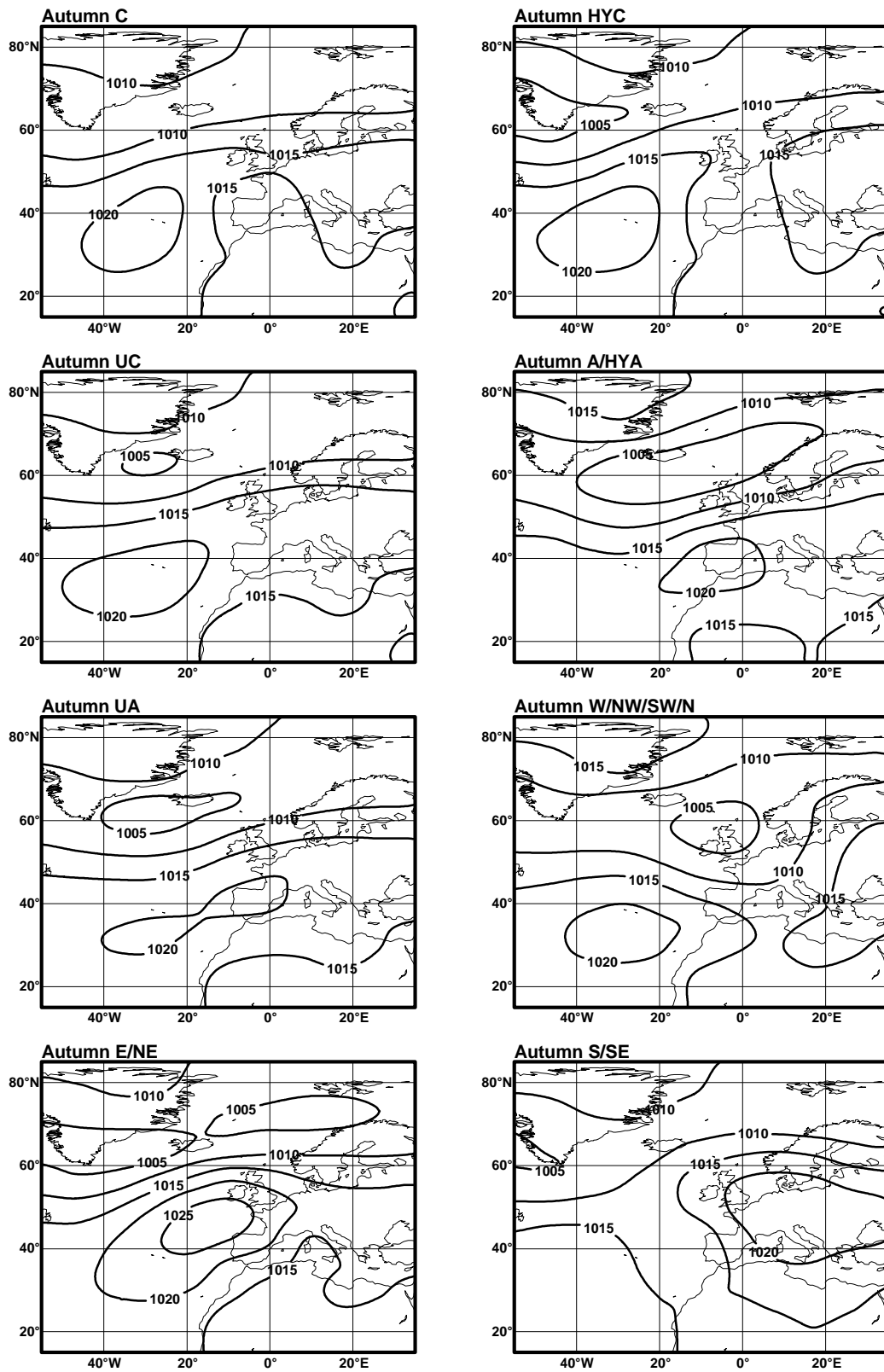


Figure 2.6a:

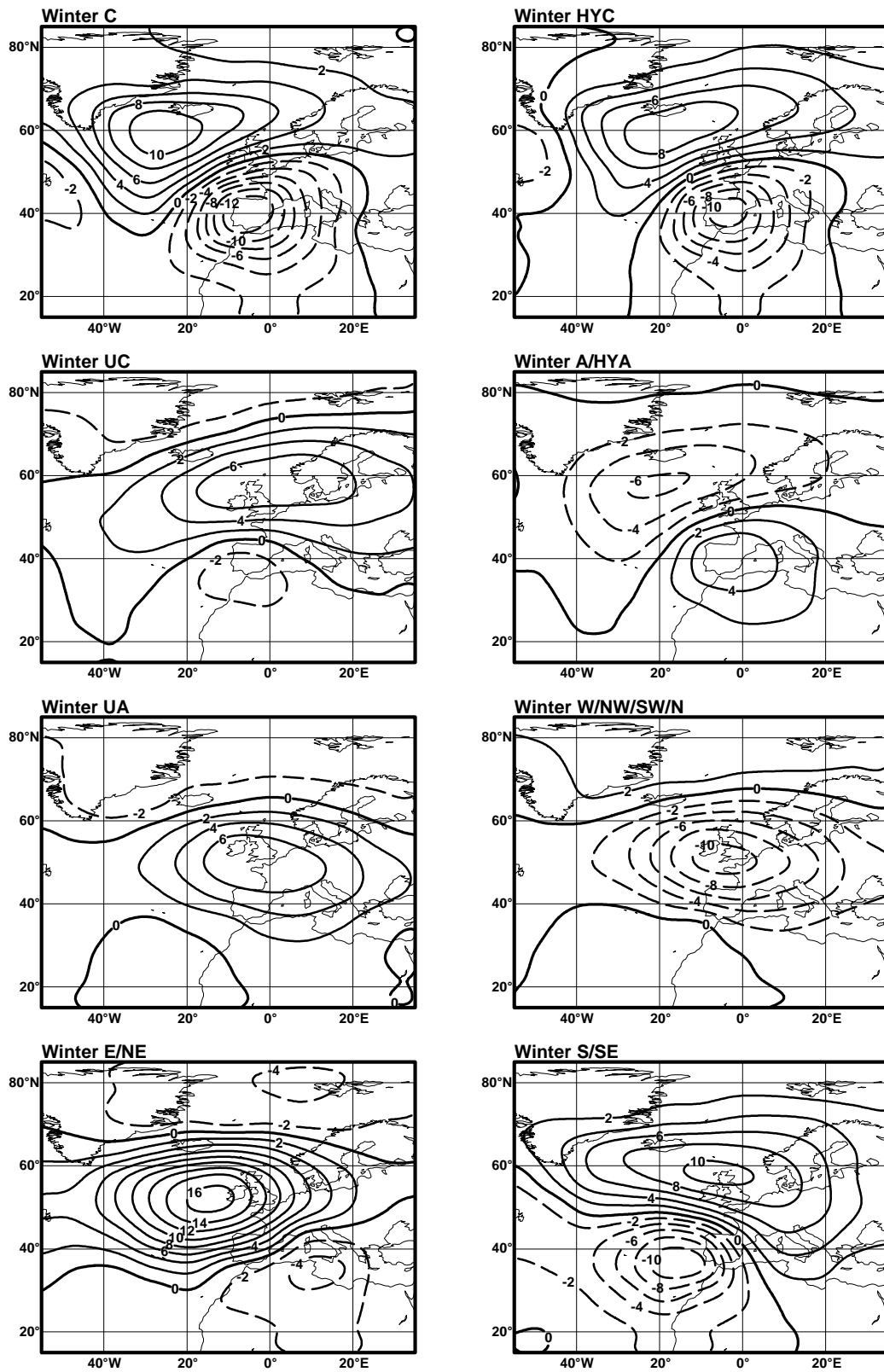


Figure 2.6: Seasonal SLP anomalies (hPa) for the eight circulation-type groups calculated from observed data, 1956-1989. Negative anomalies are indicated by dashed lines and positive anomalies by solid lines. (a) winter; (b) spring; (c) summer; and, (d) autumn.

Figure 2.6b:

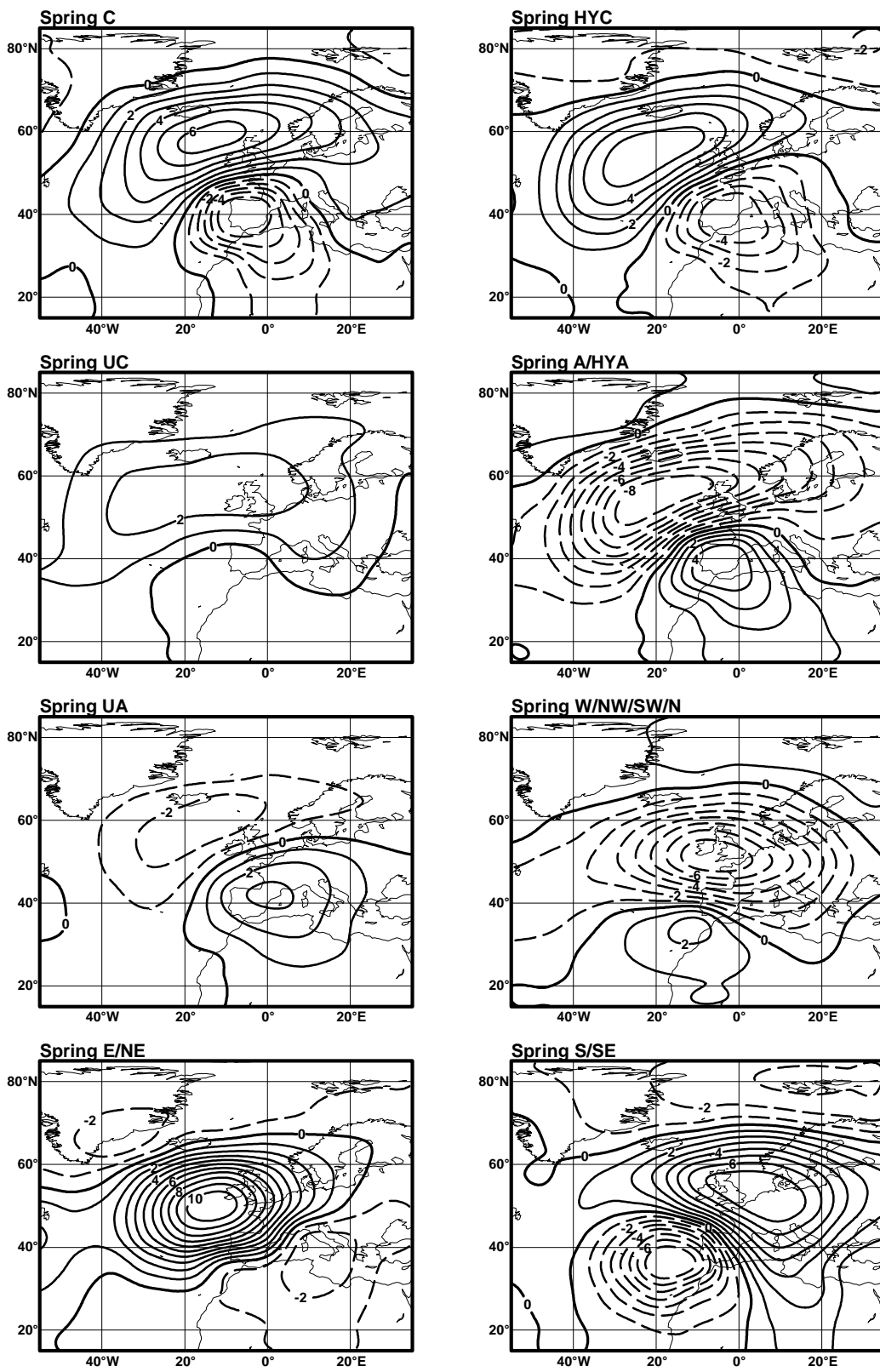


Figure 2.6c:

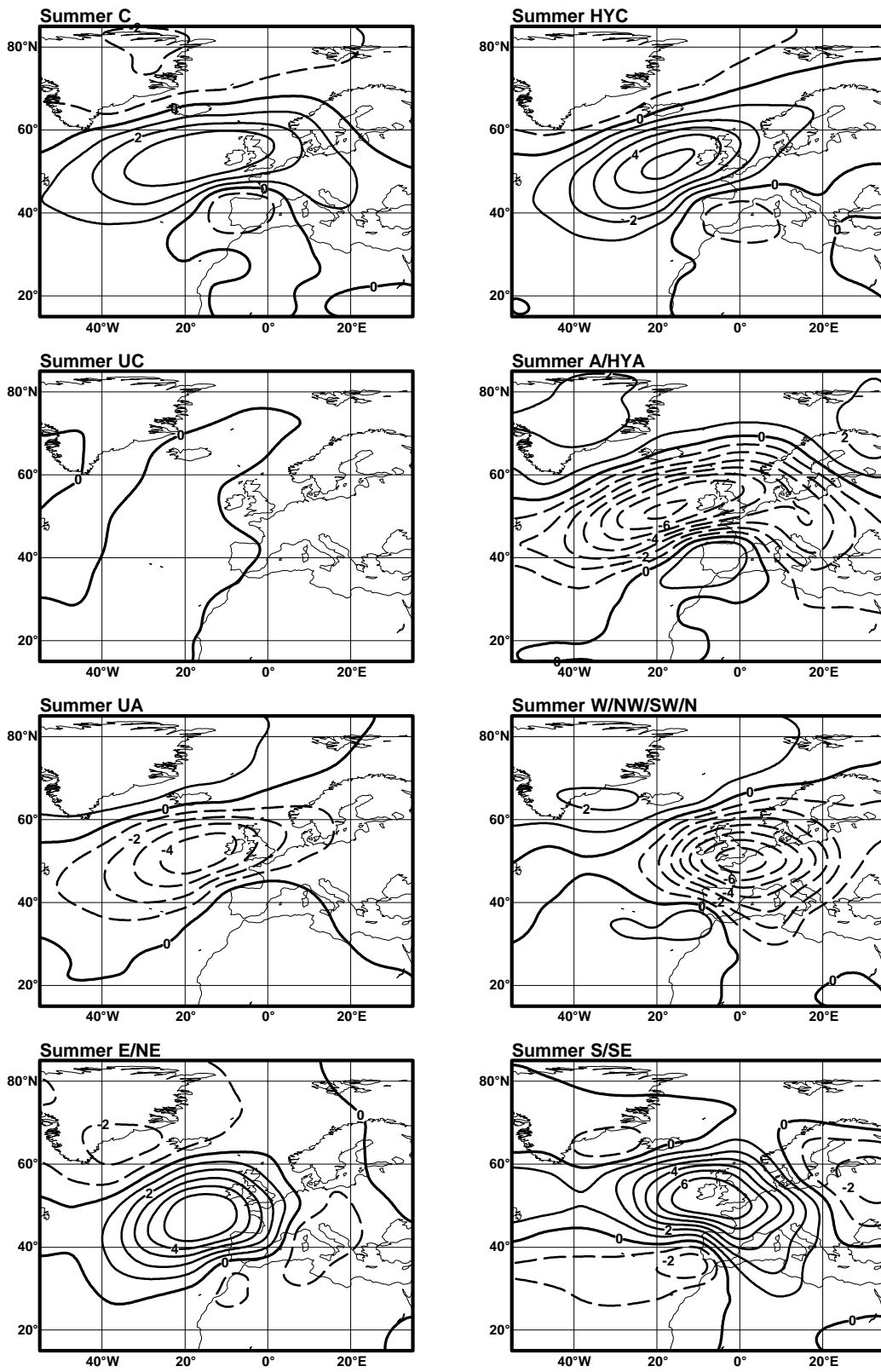


Figure 2.6d:

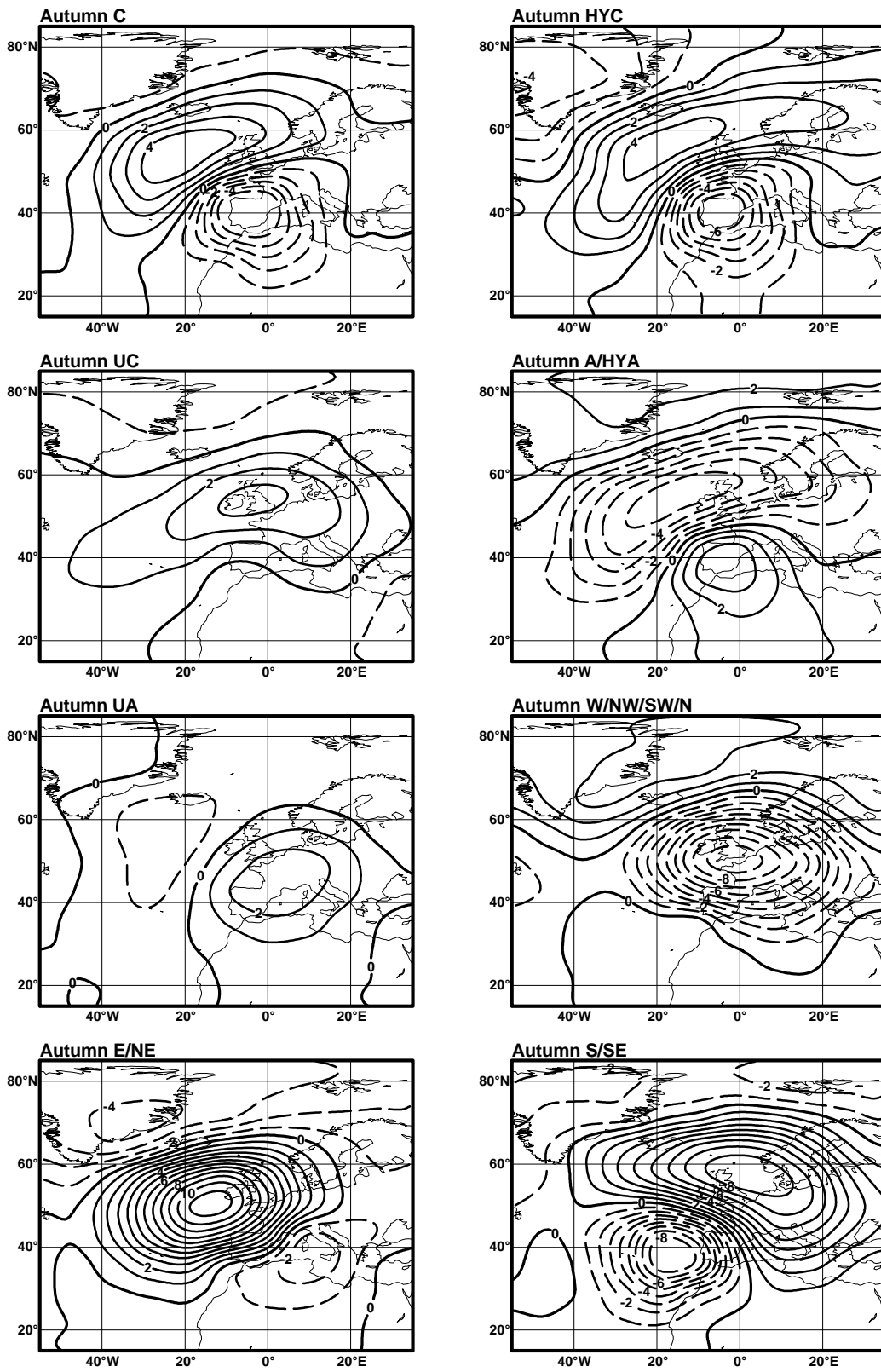


Figure 2.7a:

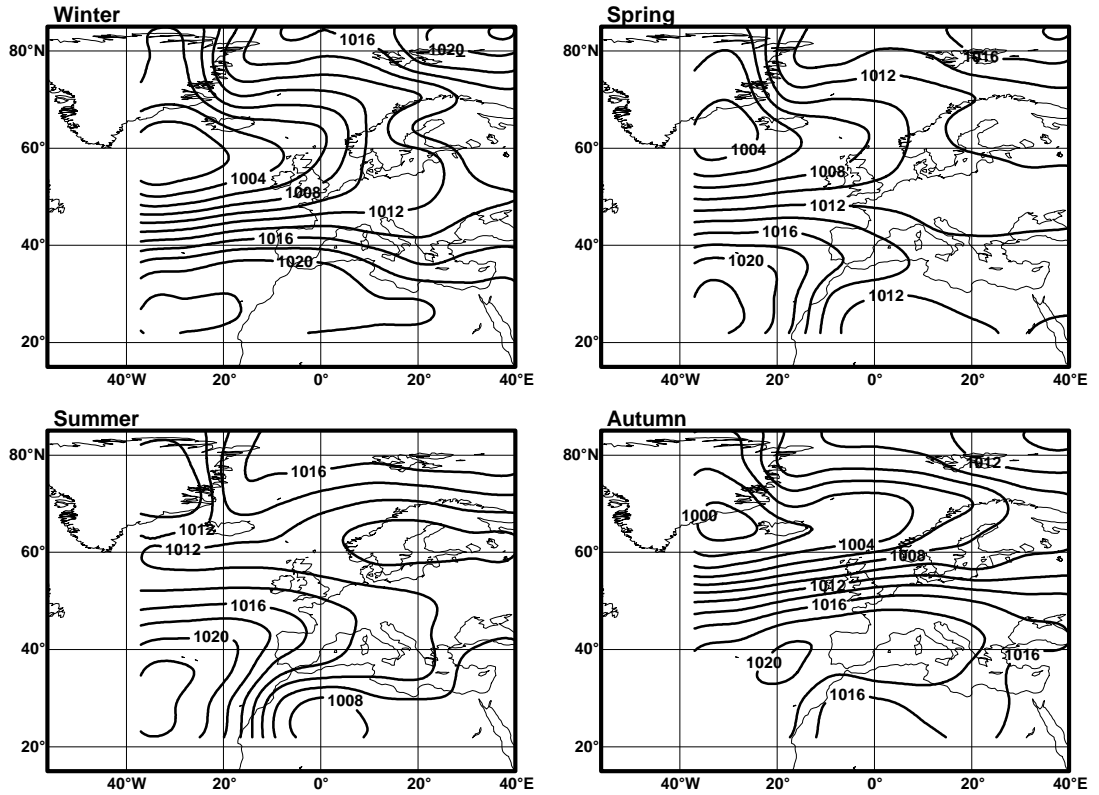


Figure 2.7b:

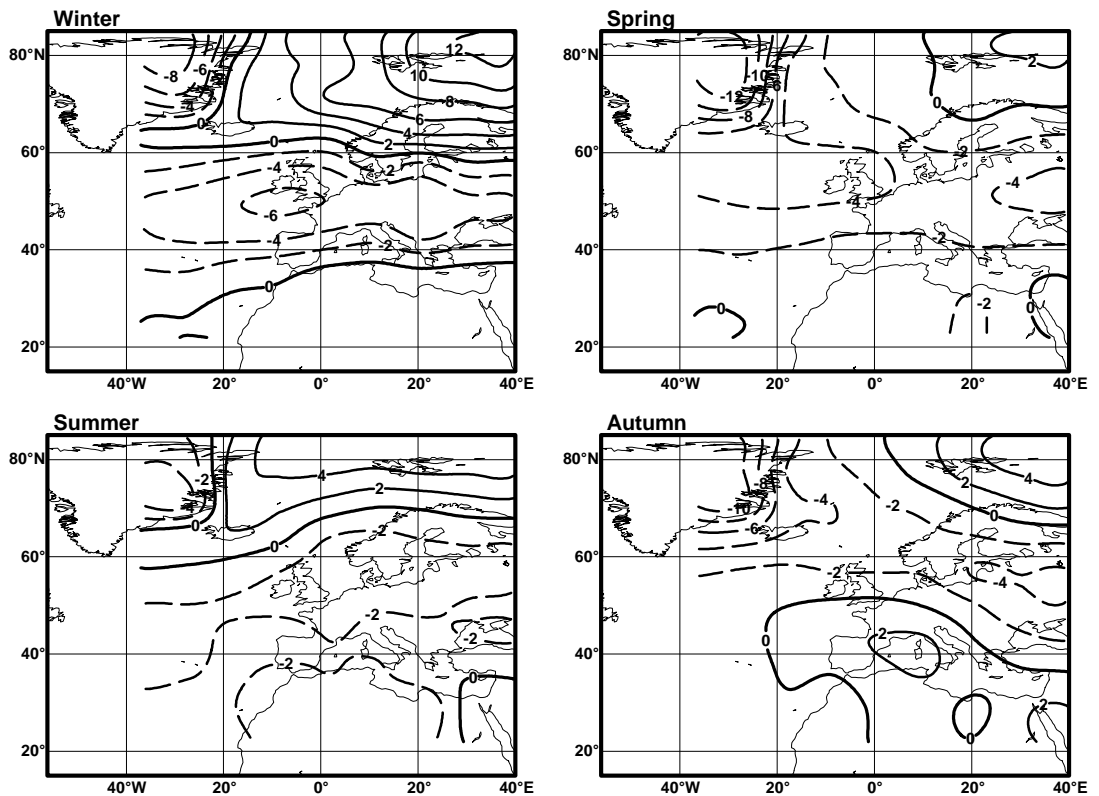


Figure 2.7: (a) Seasonal mean SLP (hPa) calculated from UKTR control-run model output; (b) UKTR control-run minus observed differences in seasonal mean SLP (hPa). Negative differences are indicated by dashed lines and positive differences by solid lines.

Figure 2.8a:

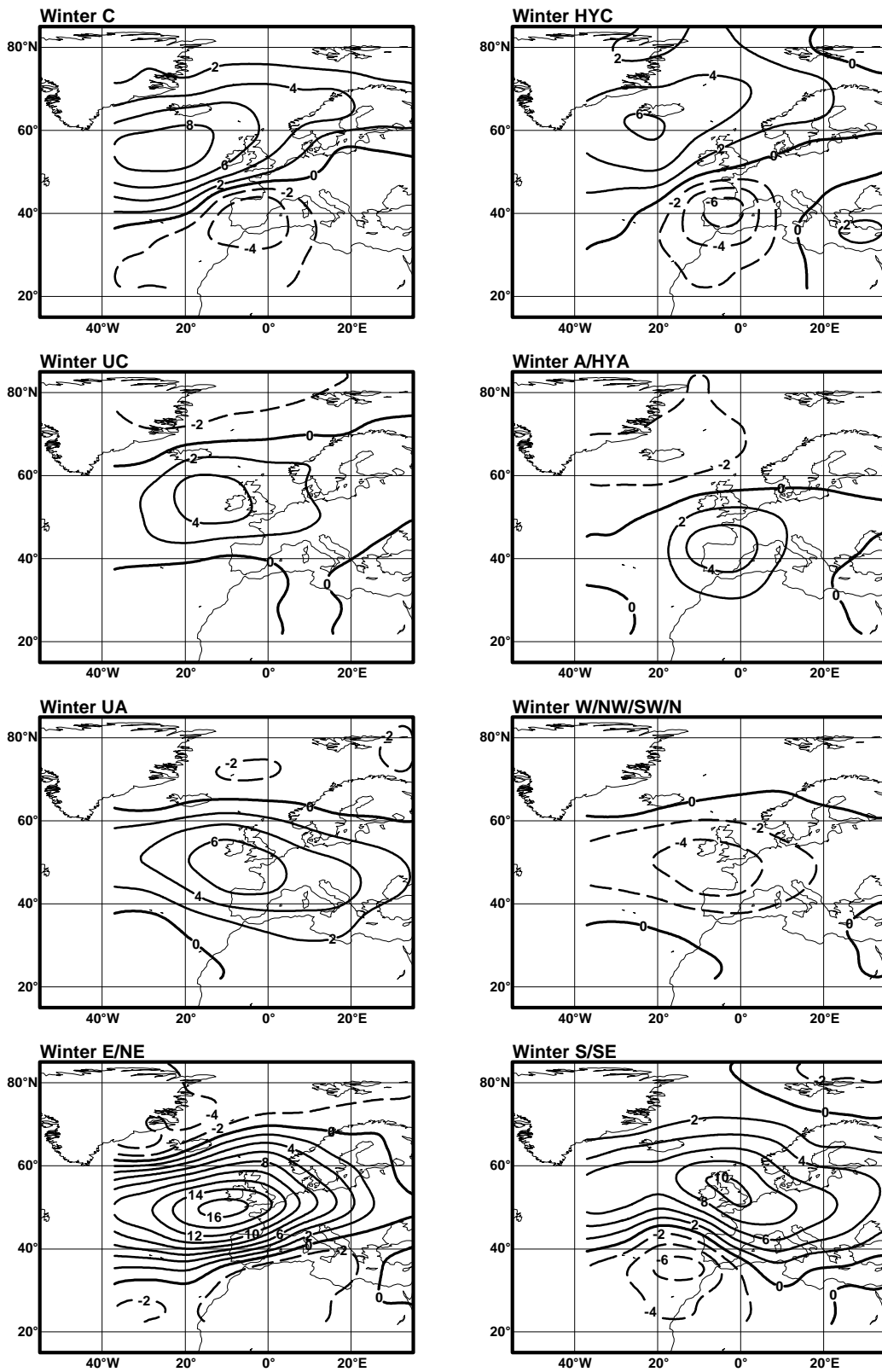


Figure 2.8: Seasonal SLP anomalies (hPa) for the eight circulation-type groups calculated from UKTR control-run model output. Negative anomalies are indicated by dashed lines and positive anomalies by solid lines. (a) winter; (b) spring; (c) summer; and, (d) autumn.

Figure 2.8b:

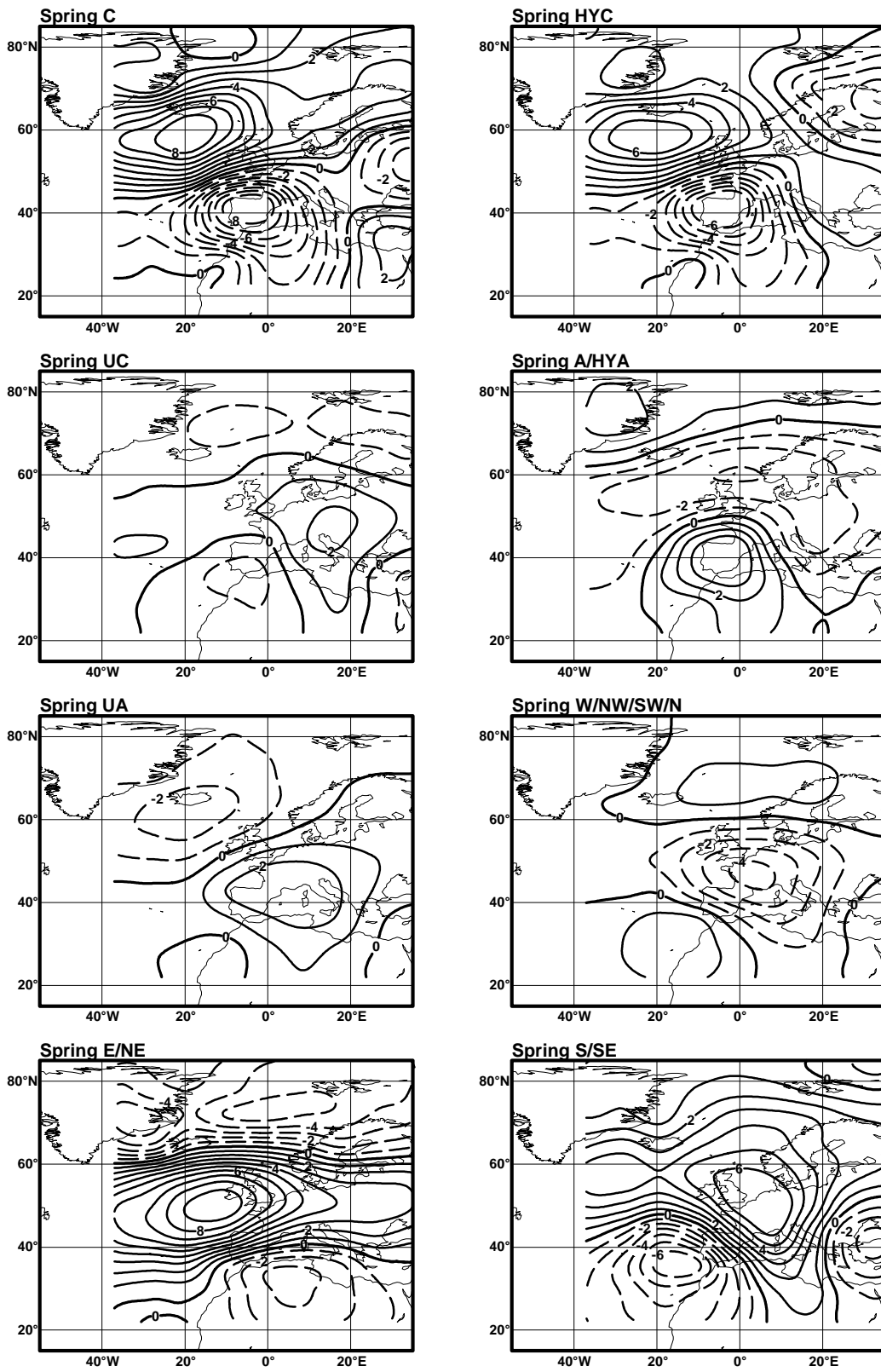


Figure 2.8c:

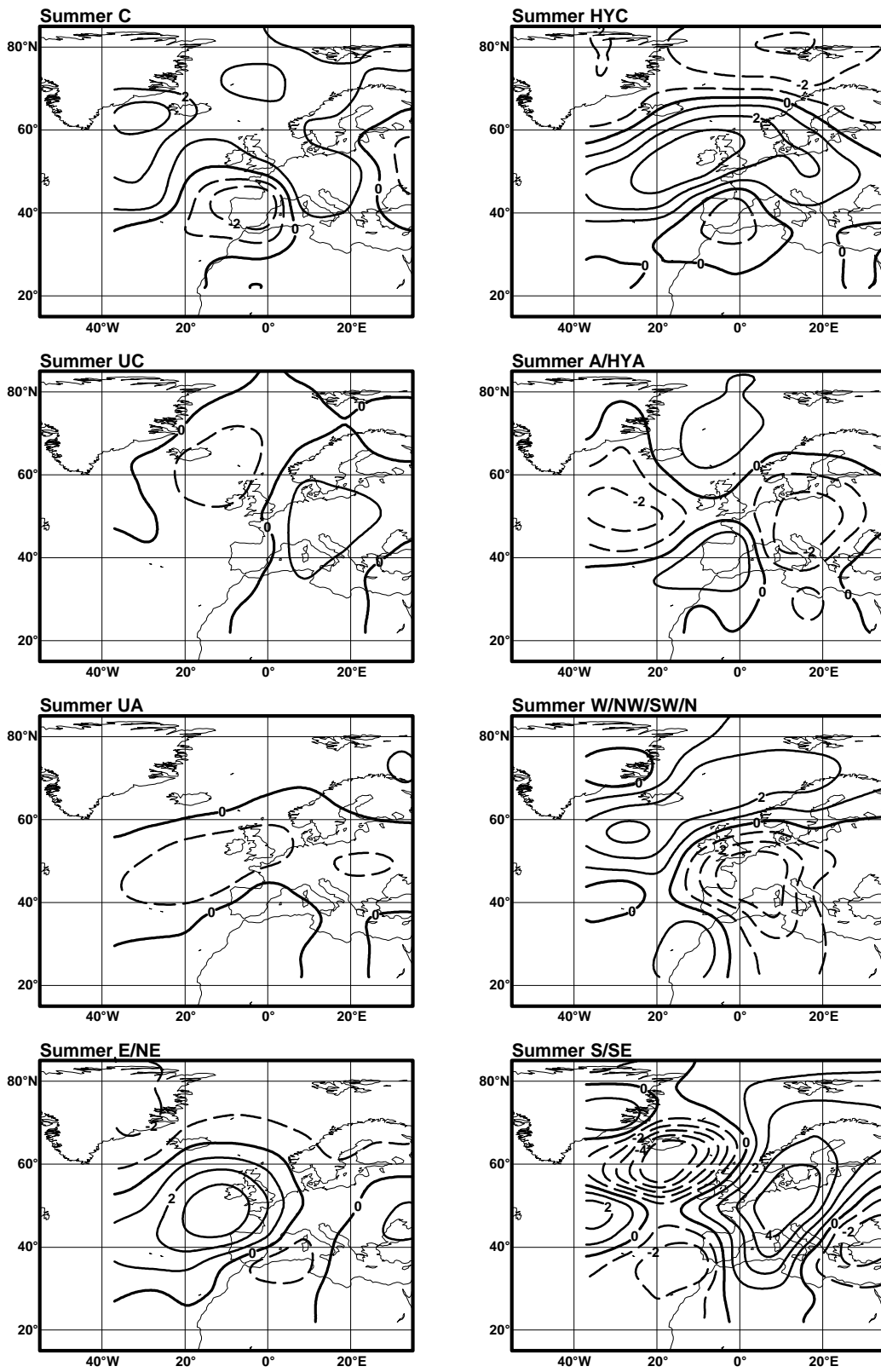
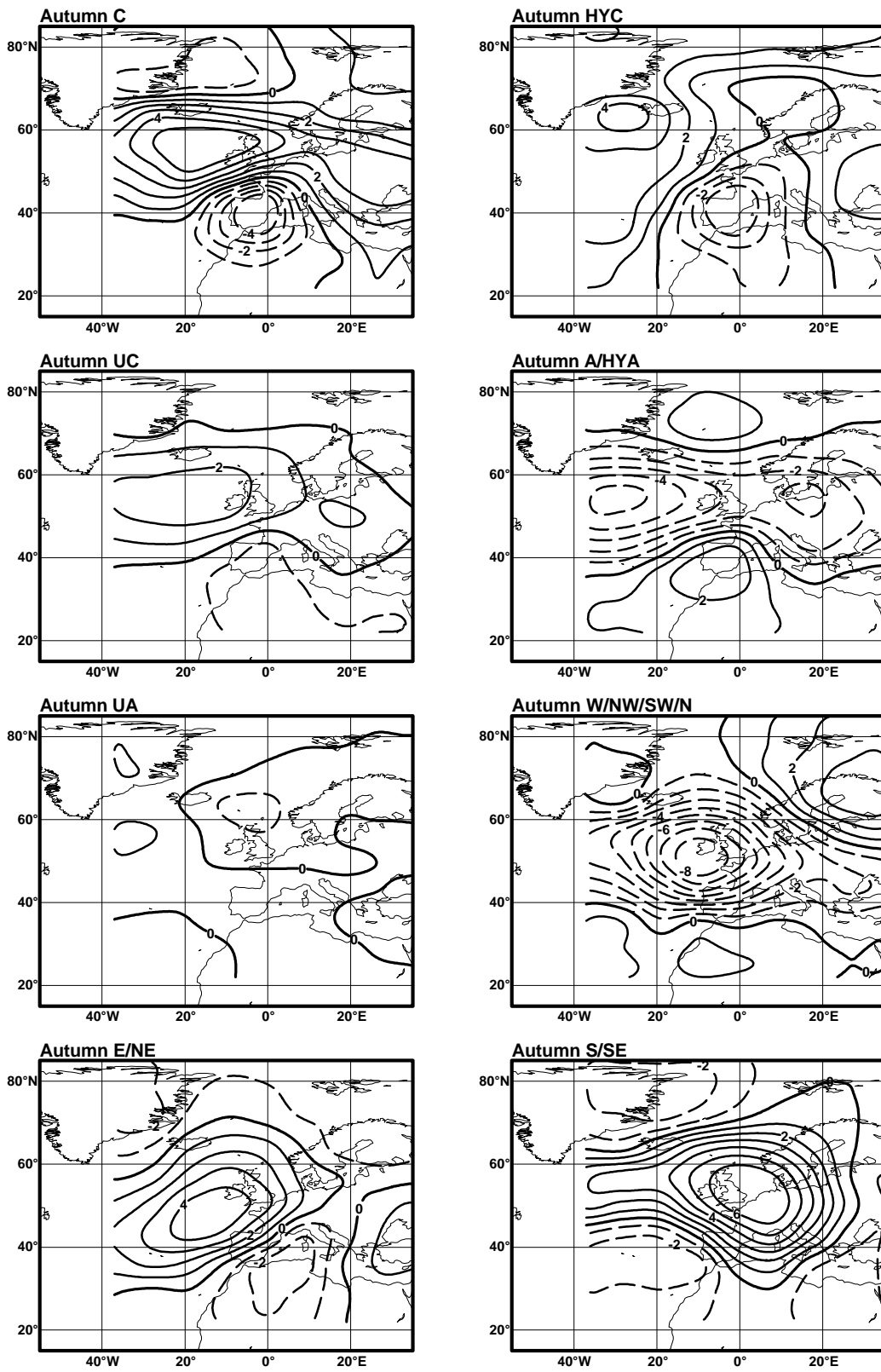


Figure 2.8d:



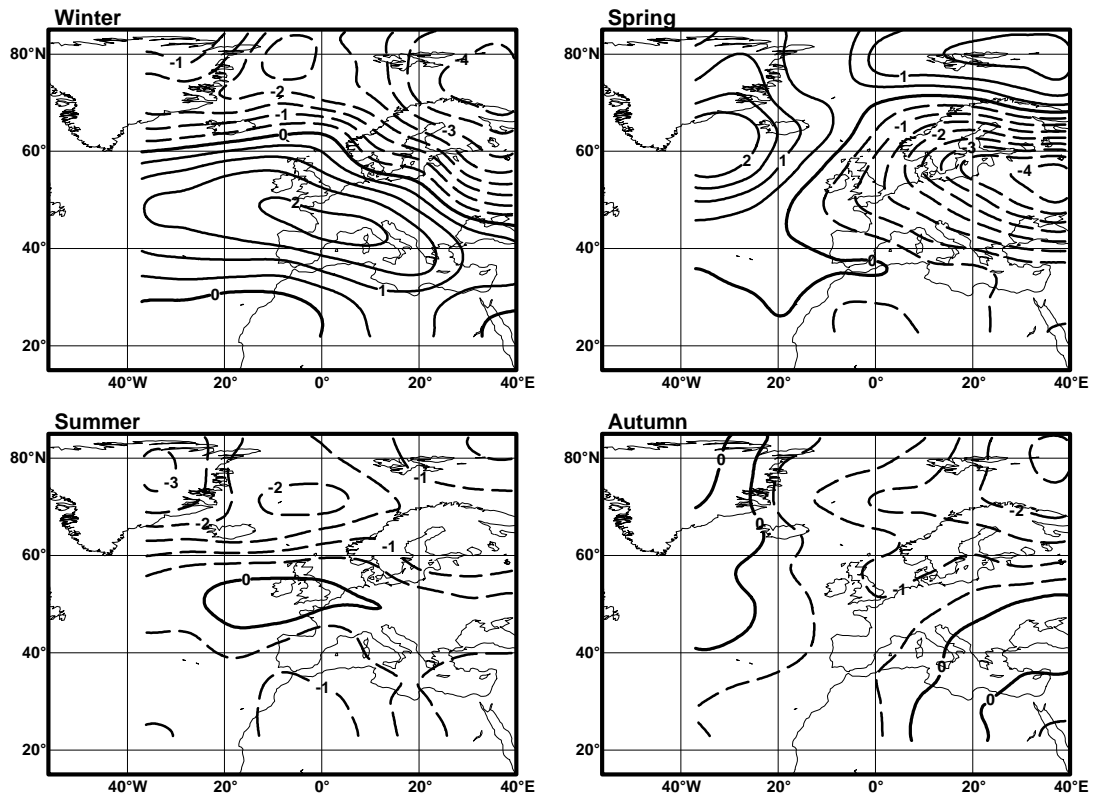


Figure 2.9: UKTR perturbed-run minus control-run differences in seasonal mean SLP (hPa). Negative differences are indicated by dashed lines and positive differences by solid lines.

Figure 2.10a:

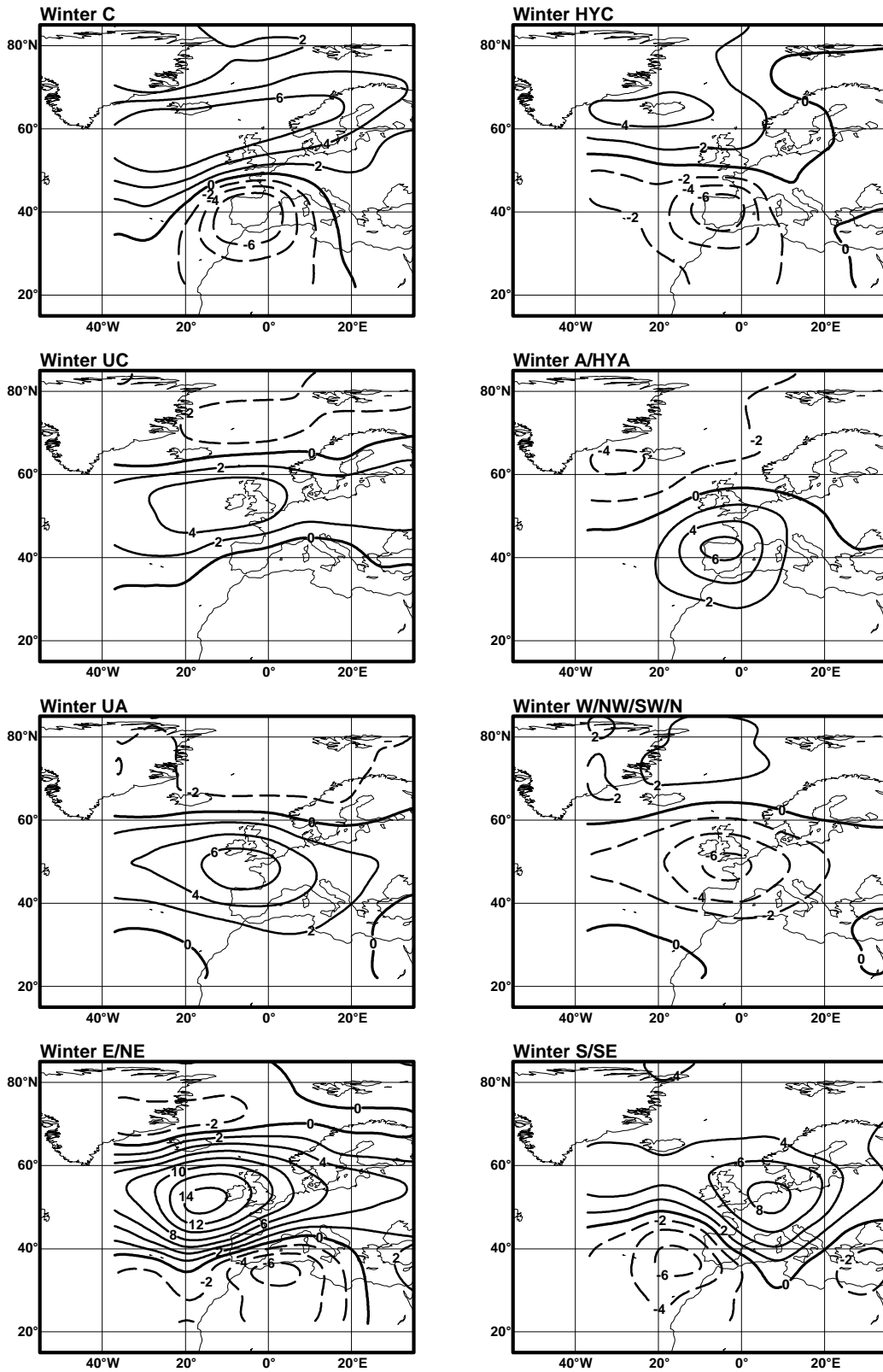


Figure 2.10: Seasonal SLP anomalies (hPa) for the eight circulation-type groups calculated from UKTR perturbed-run model output. Negative anomalies are indicated by dashed lines and positive anomalies by solid lines. (a) winter; (b) spring; (c) summer; and, (d) autumn.

Figure 2.10b:

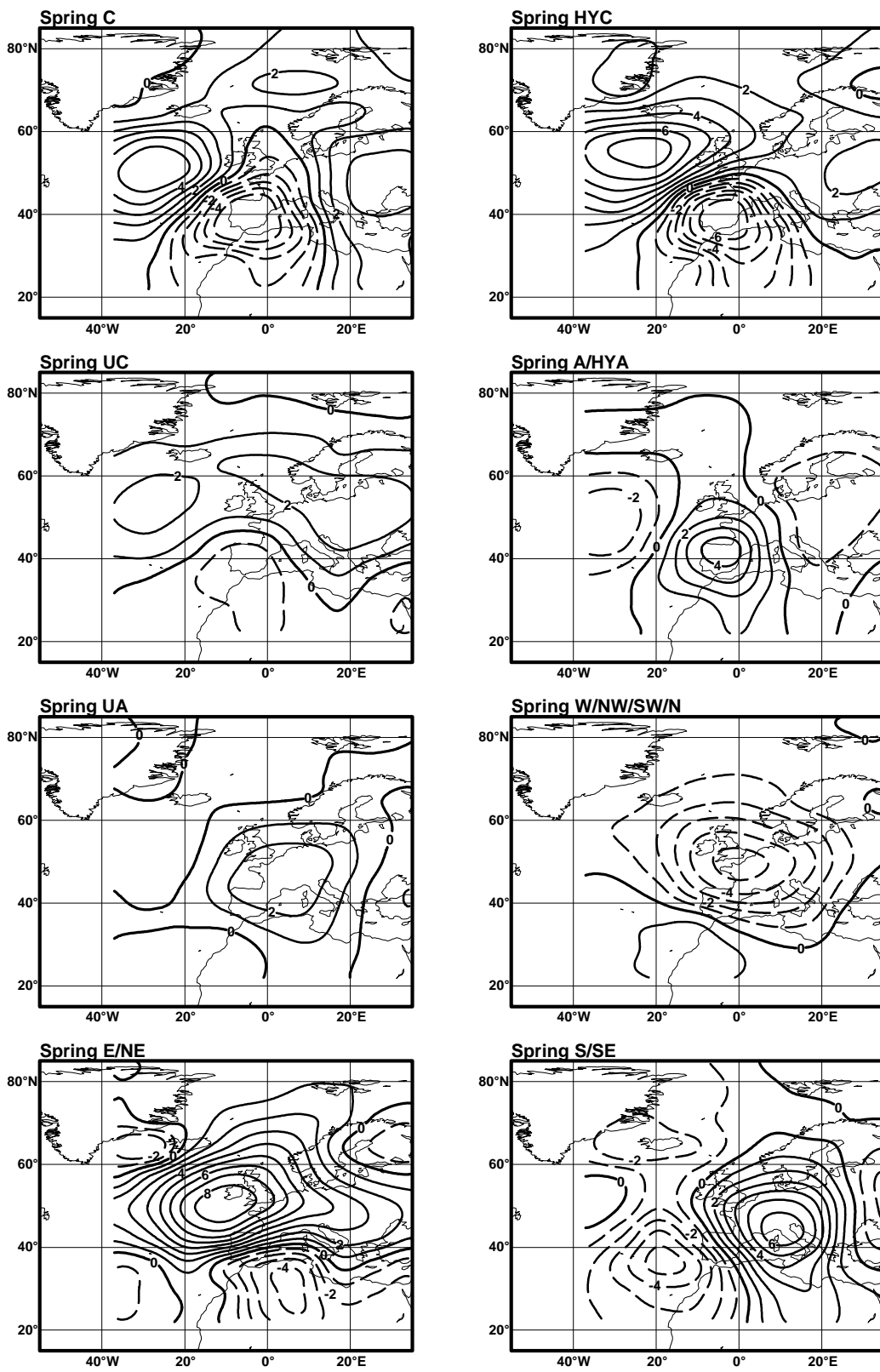


Figure 2.10c:

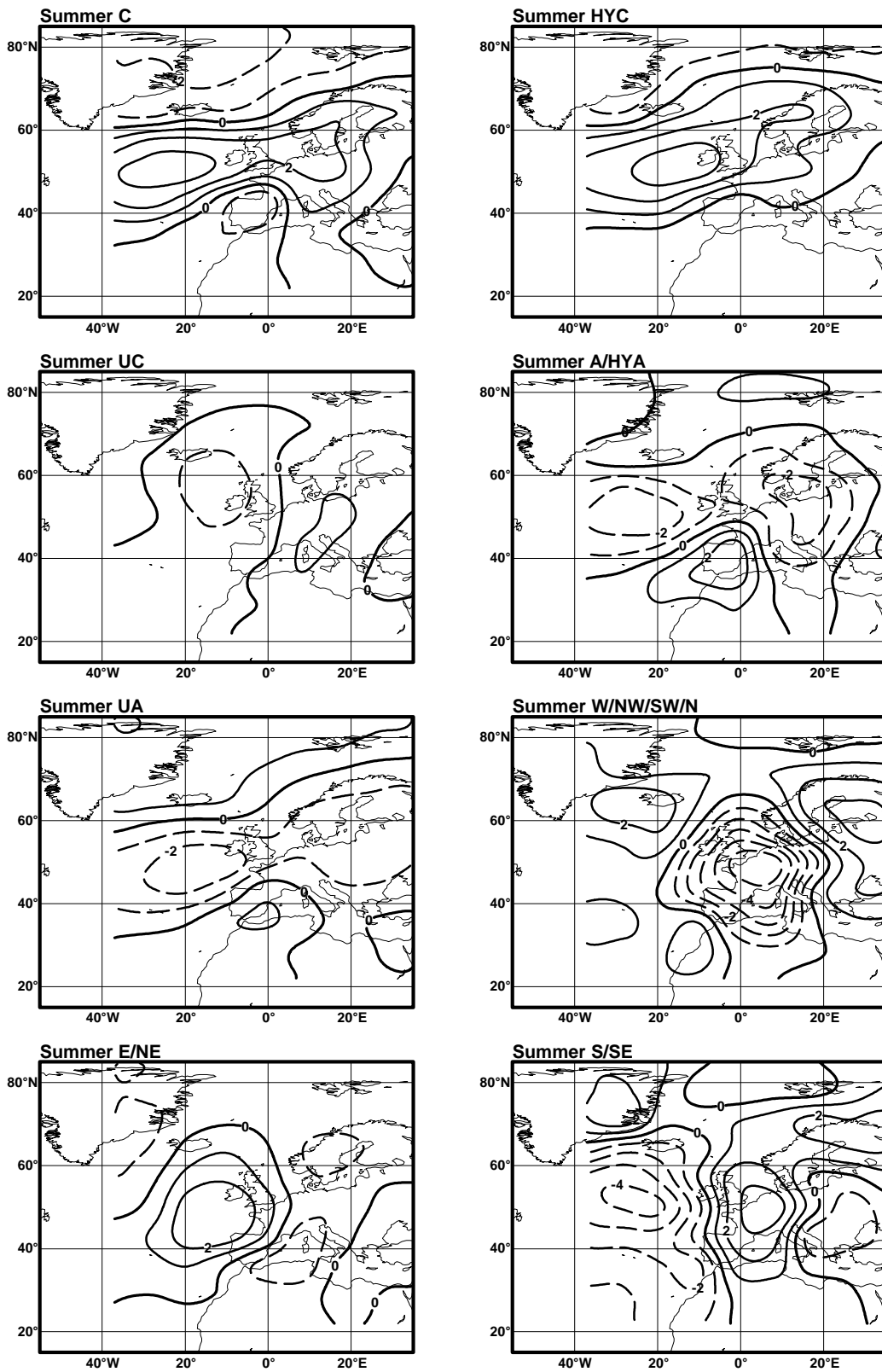


Figure 2.10d:

