

**Figure 34.** Annual and seasonal mean sea surface temperature (SST) changes ( $^{\circ}\text{C}$ ) between 2070-2099 and 1969-1998 in RCO-SCOBI simulations driven by regionalized GCM results. From left to right results for winter (December through February), spring (March through May), summer (June through August), autumn (September through November) and the annual mean are shown. From top to bottom the results of the following scenario simulations and analysis results are shown: RCO-HadCM3-A1B-REF, RCO-ECHAM5-A1B-3-REF, RCO-ECHAM5-A1B-1-REF, RCO-ECHAM5-A2-1-REF, ensemble mean, and range.

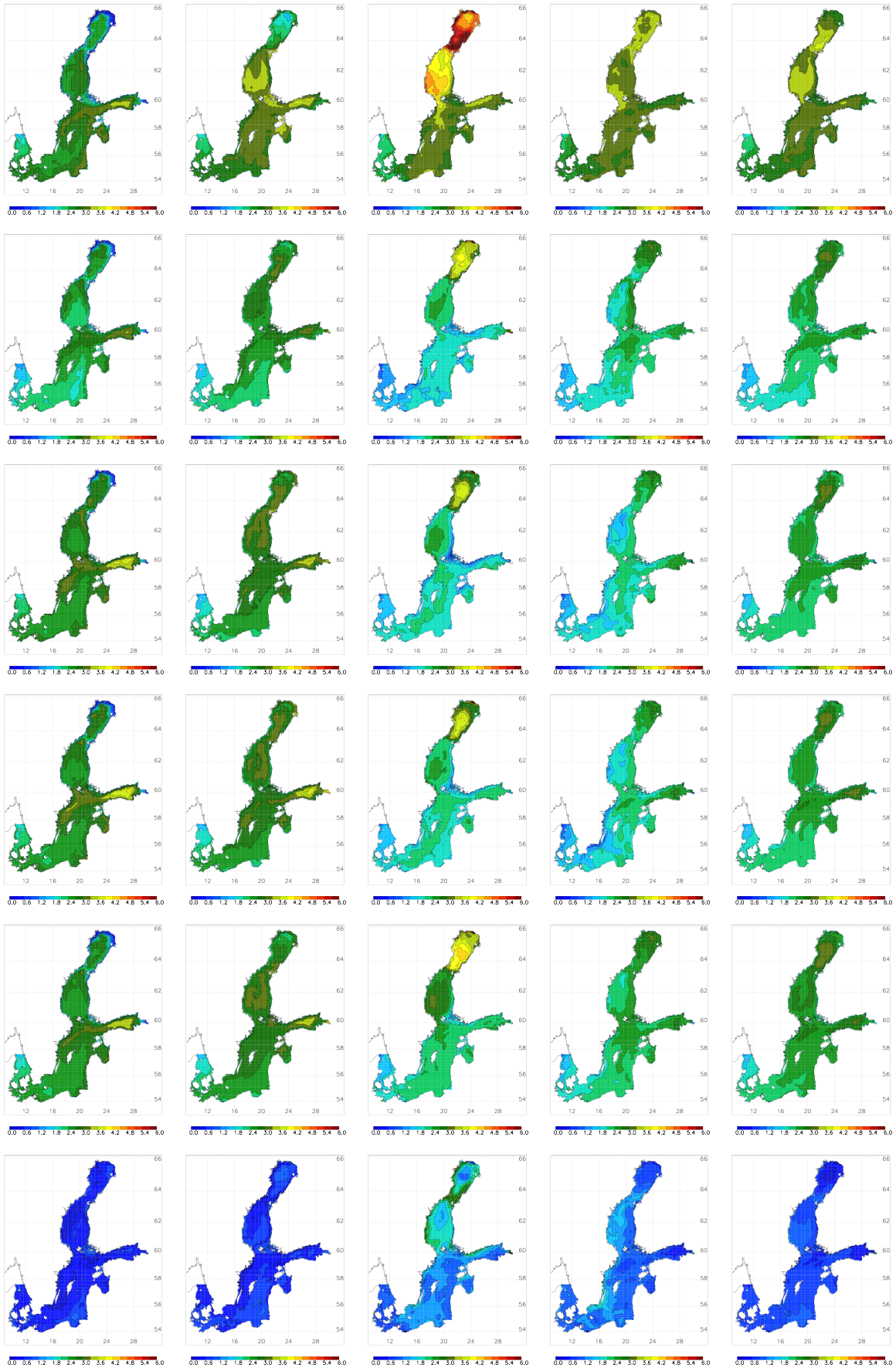


Figure 34. Continued.

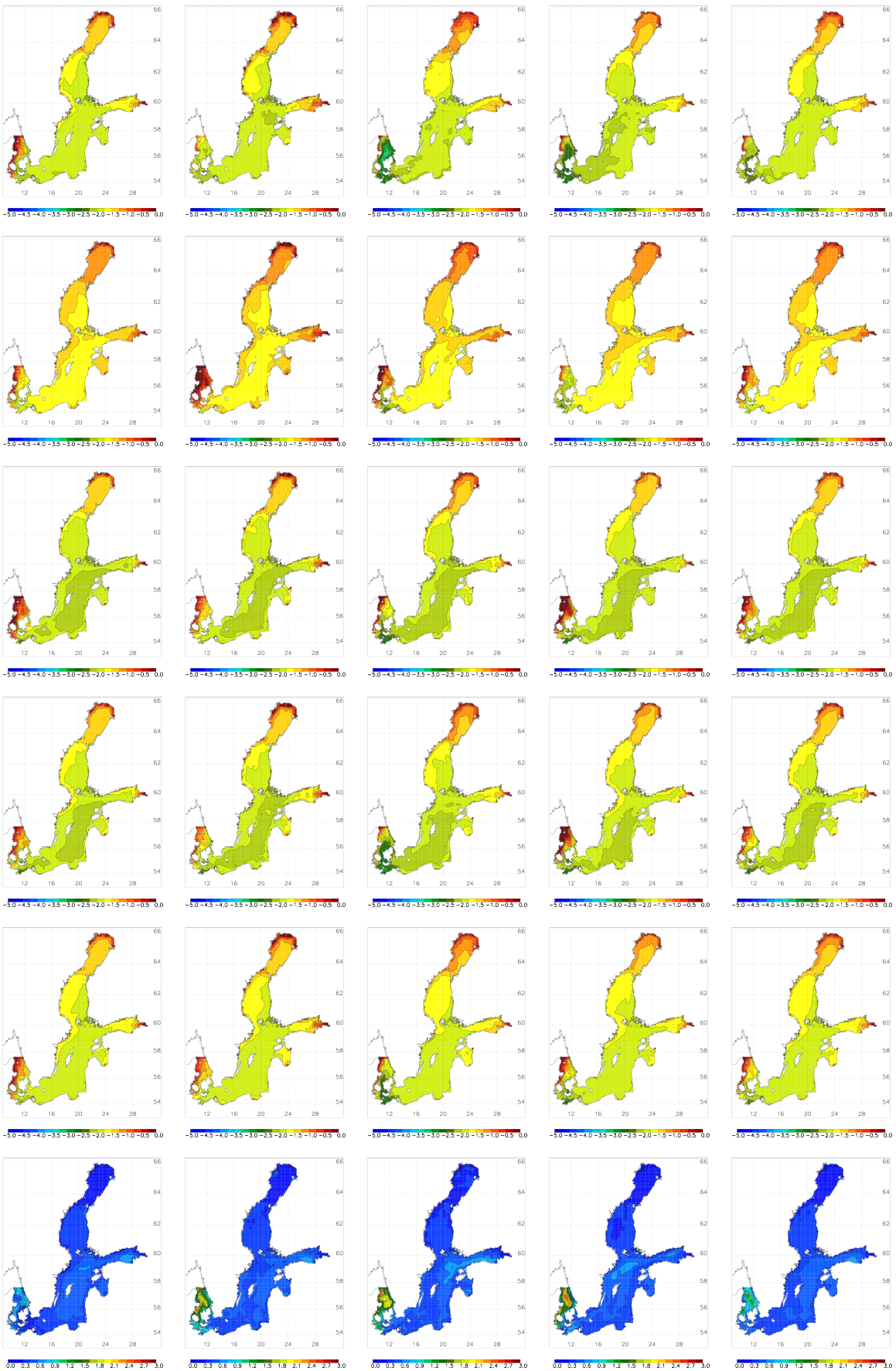


Figure 35. As Fig. 34 but for sea surface salinity (SSS) changes (in  $\text{g kg}^{-1}$ ).

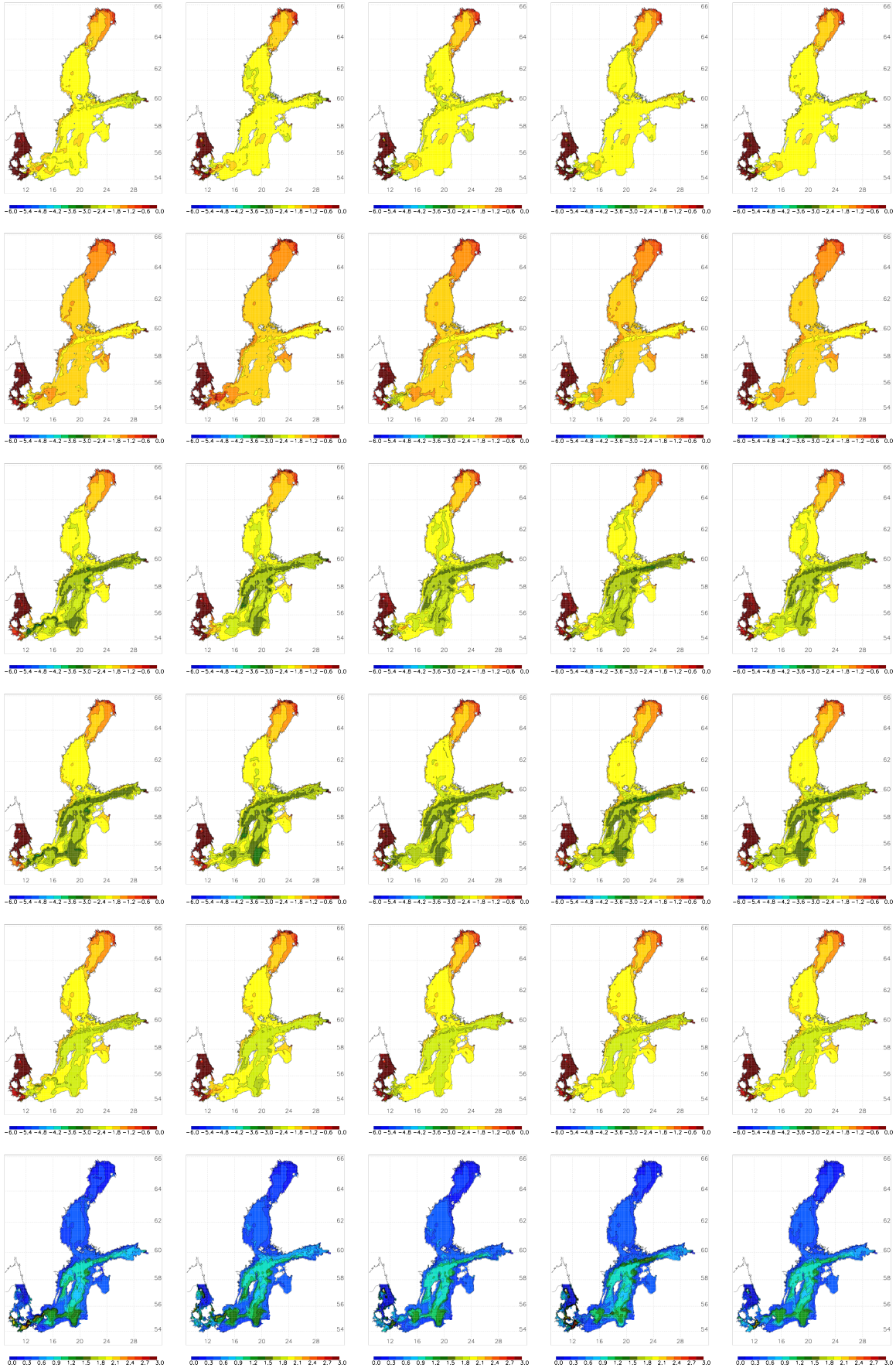


Figure 36. As Fig. 34 but for bottom salinity changes (in  $\text{g kg}^{-1}$ ).

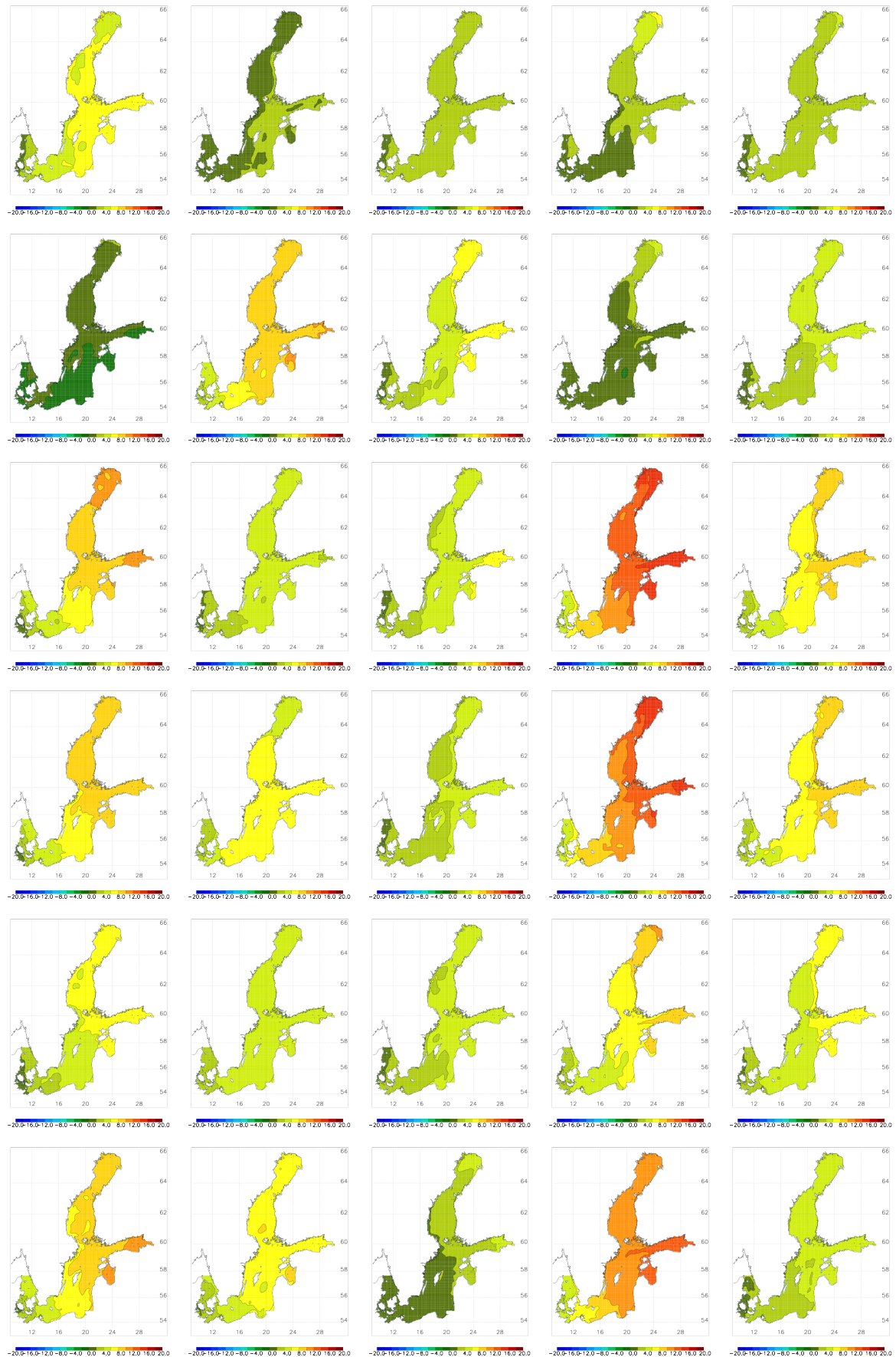


Figure 37. As Fig. 34 but for sea surface height (SSH) changes (cm).

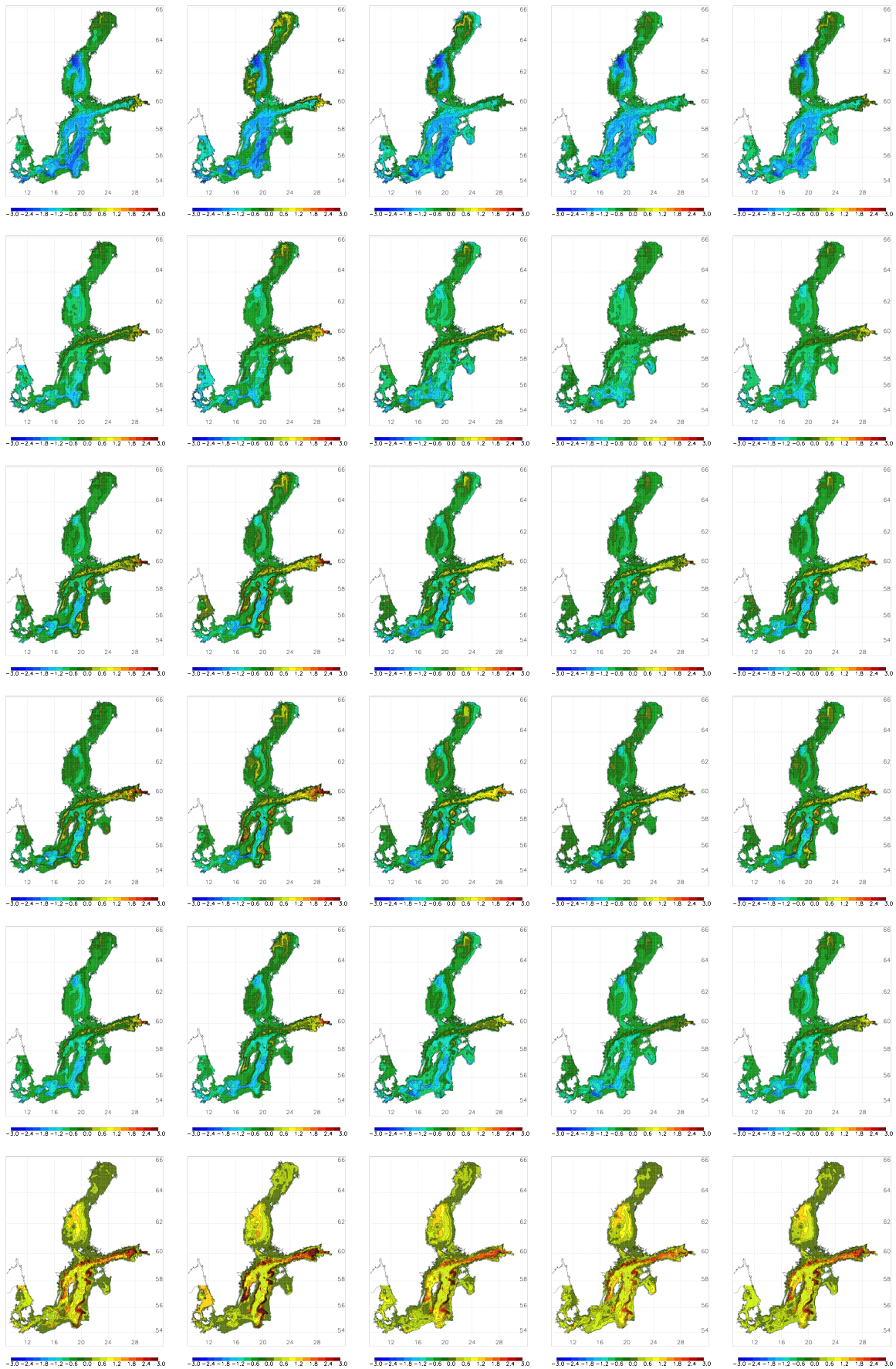


Figure 38. As Fig. 34 but for bottom oxygen concentration changes ( $\text{ml l}^{-1}$ ).

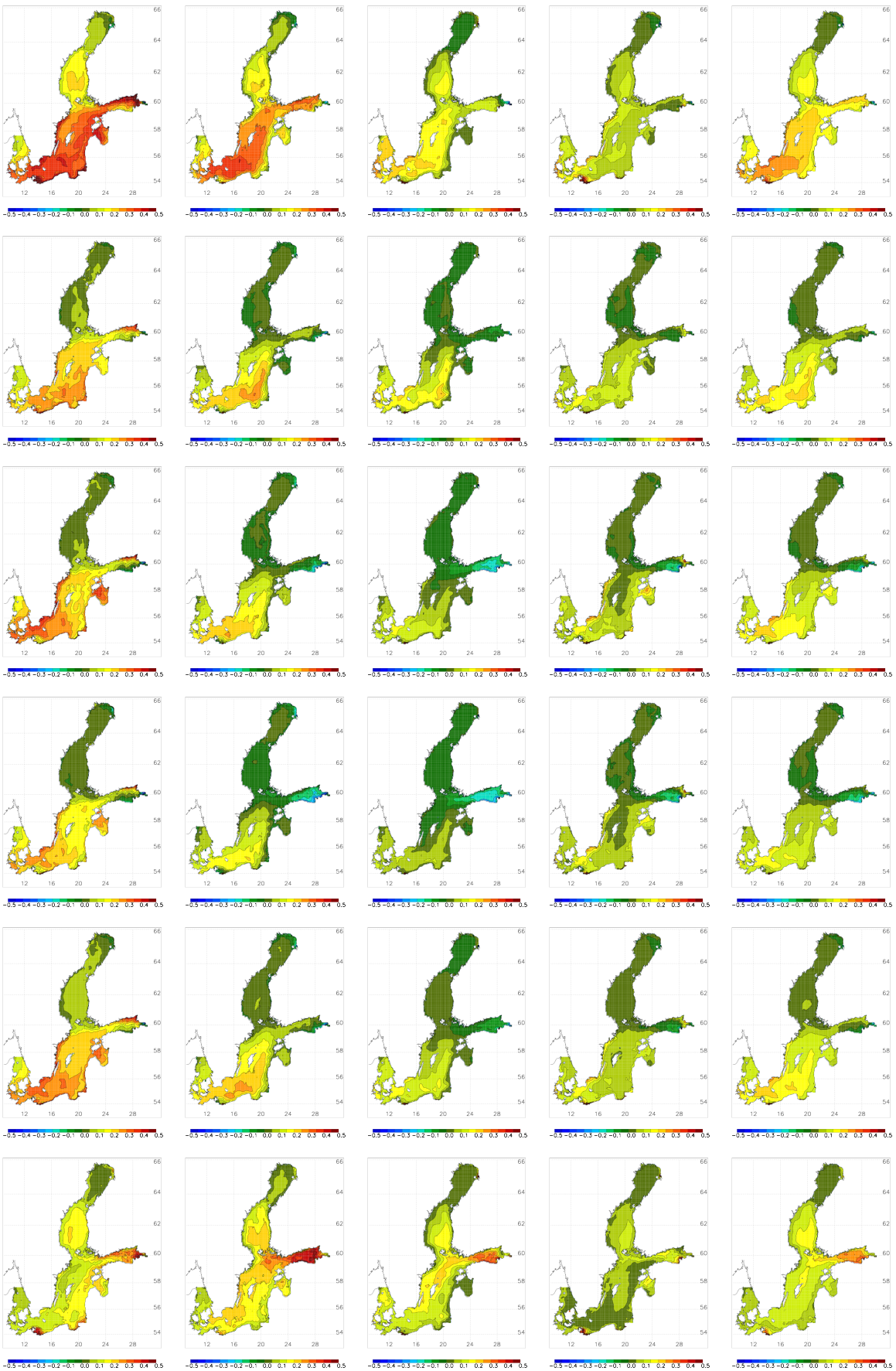


Figure 39. As Fig. 34 but for phosphate concentration changes (mmolP m<sup>-3</sup>).

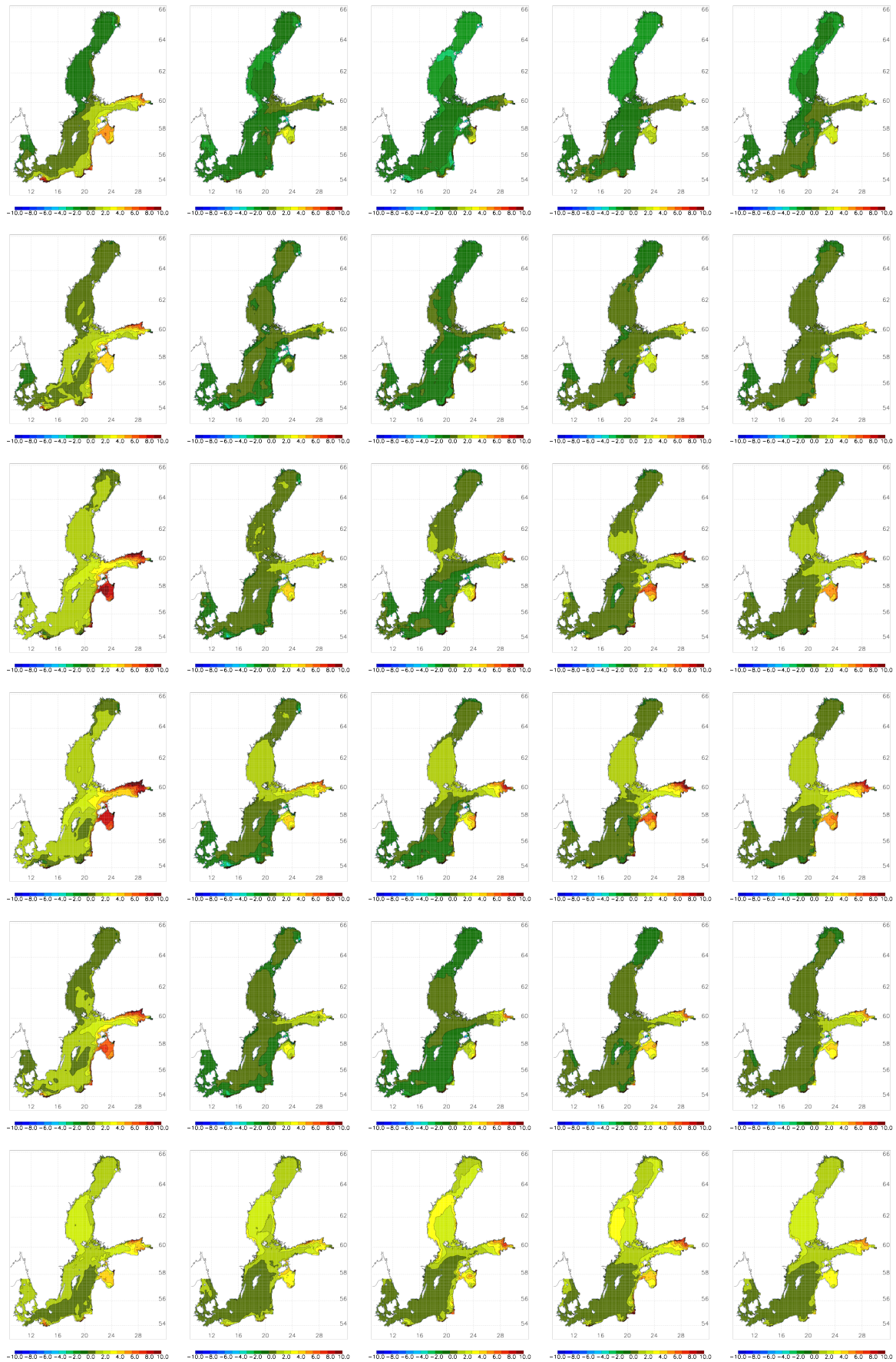


Figure 40. As Fig. 34 but for nitrate concentration changes ( $\text{mmolN m}^{-3}$ ).



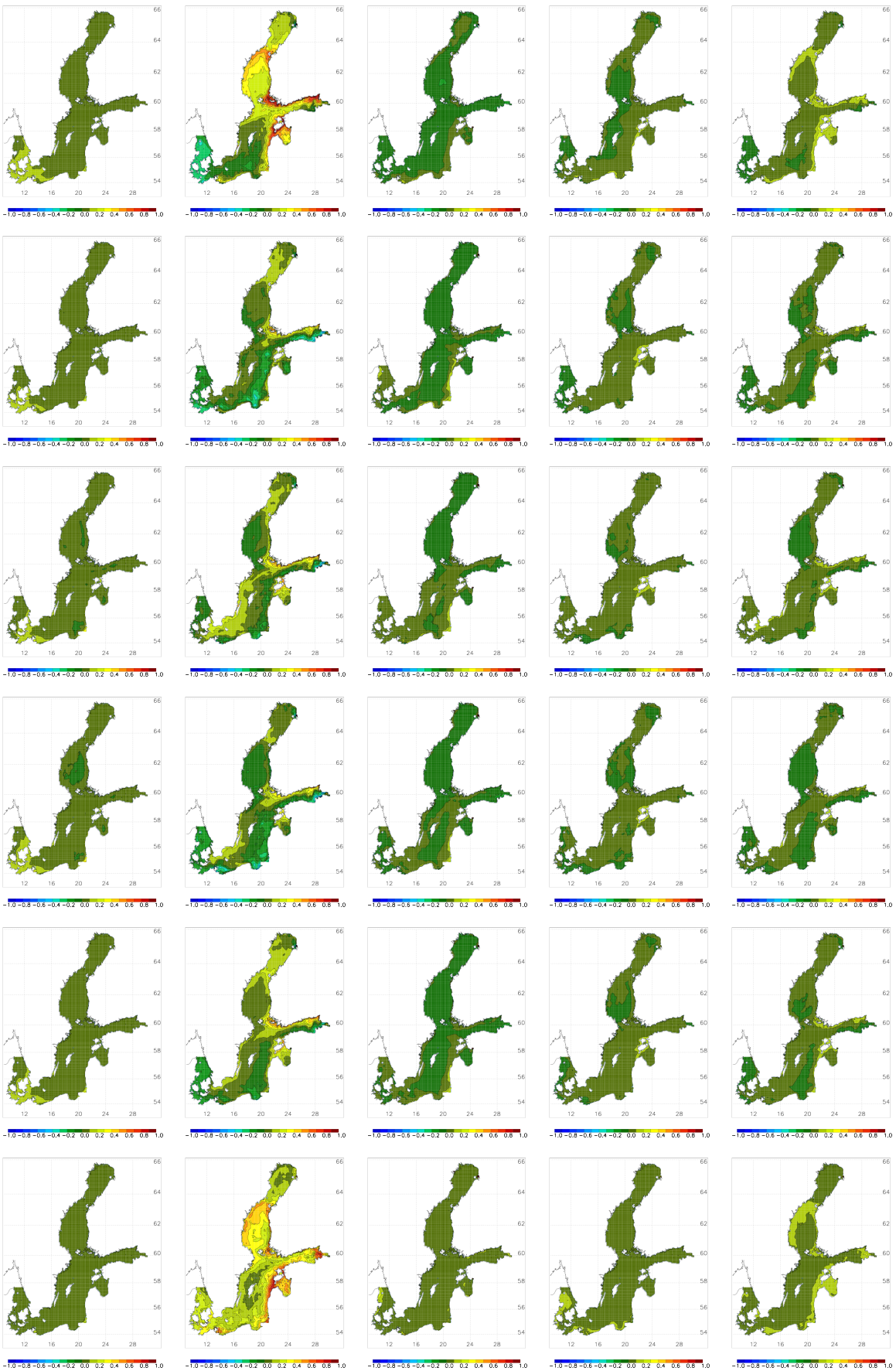


Figure 41. As Fig. 34 but for diatom concentration changes (mgChl m<sup>-3</sup>).

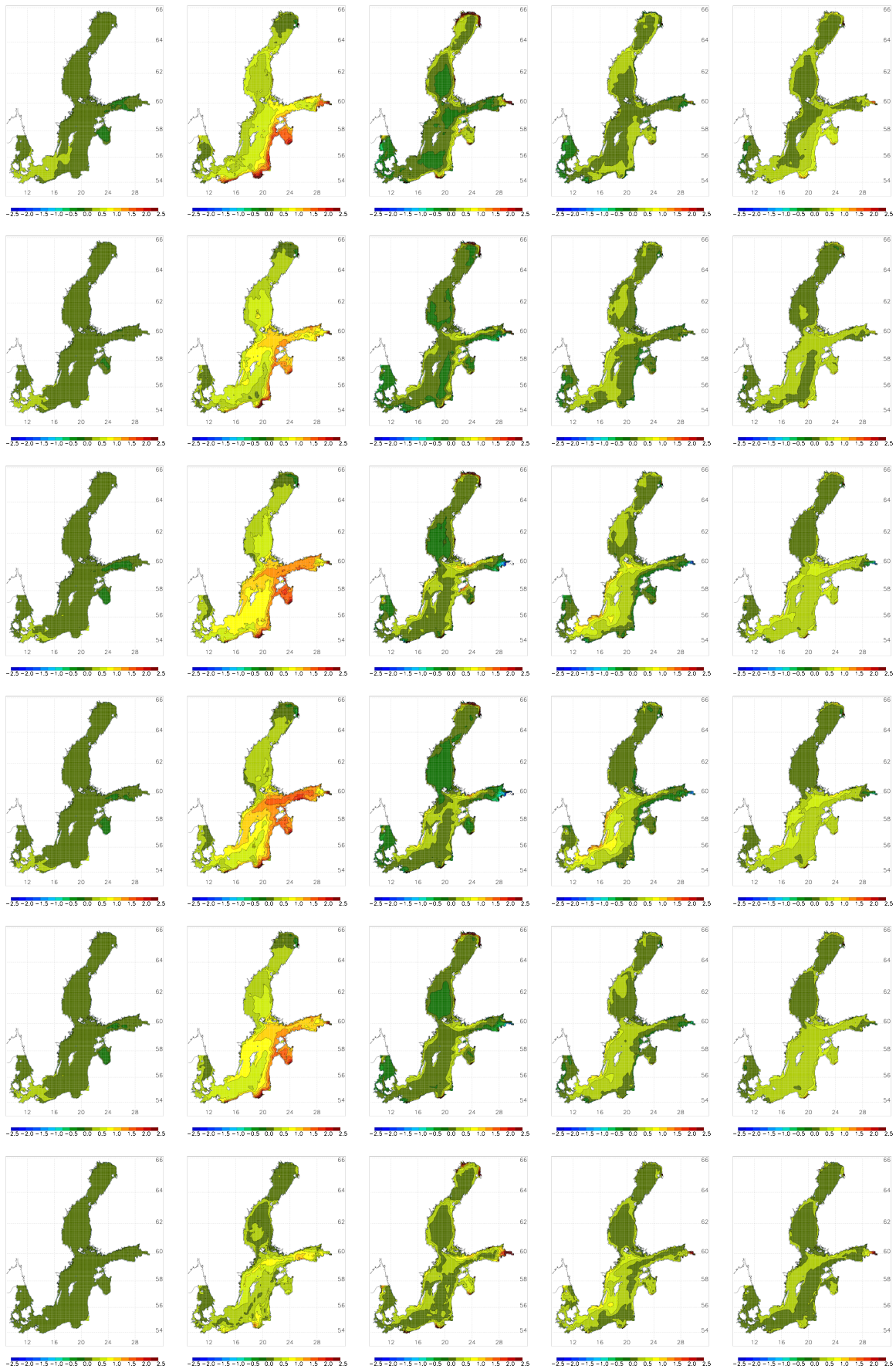


Figure 42. As Fig. 34 but for concentration changes of flagellates and others ( $\text{mgChl m}^{-3}$ ).

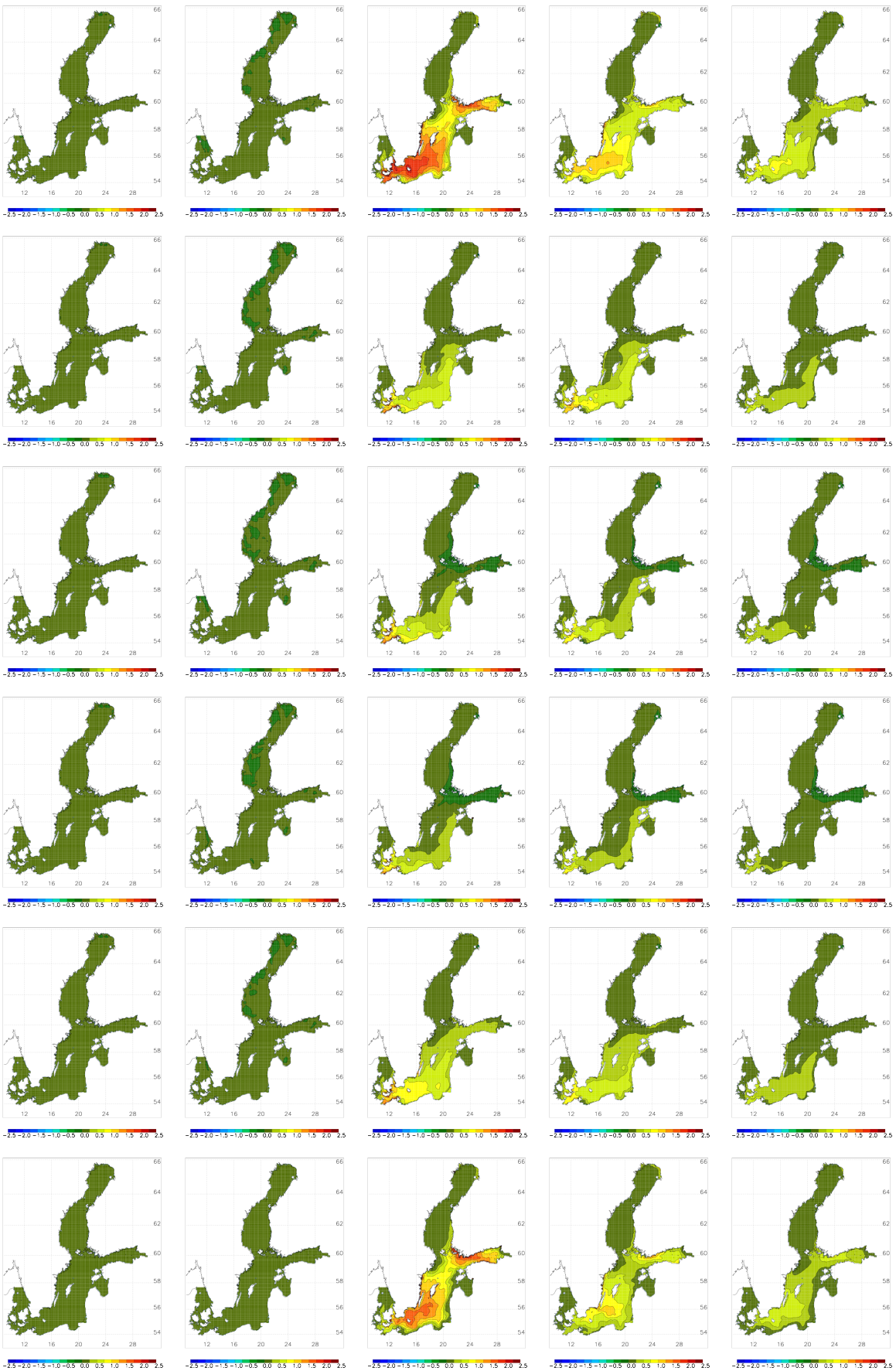


Figure 43. As Fig. 34 but for cyanobacteria concentration changes (mgChl m<sup>-3</sup>).

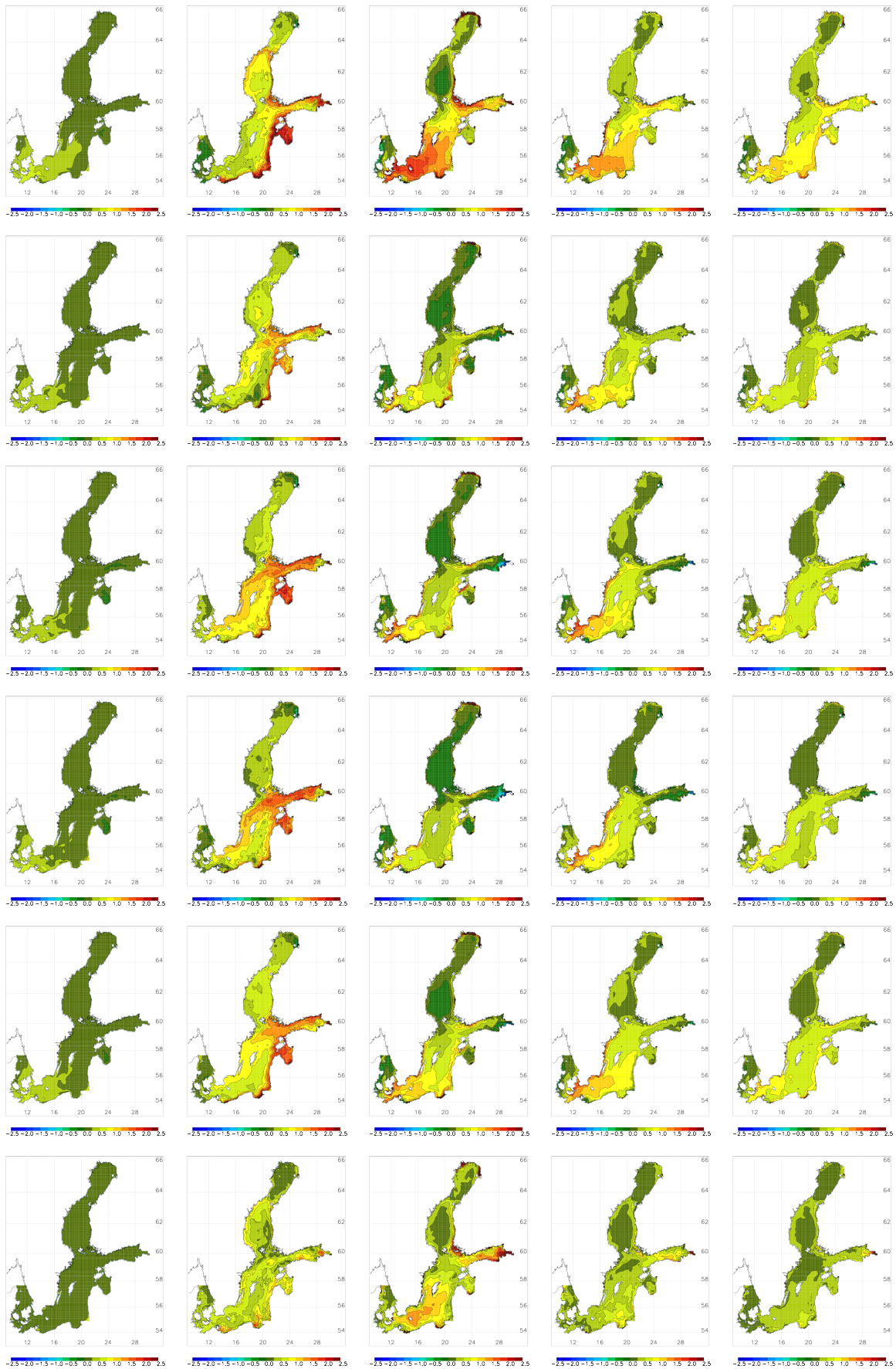


Figure 44. As Fig. 34 but for phytoplankton concentration changes ( $\text{mgChl m}^{-3}$ ).

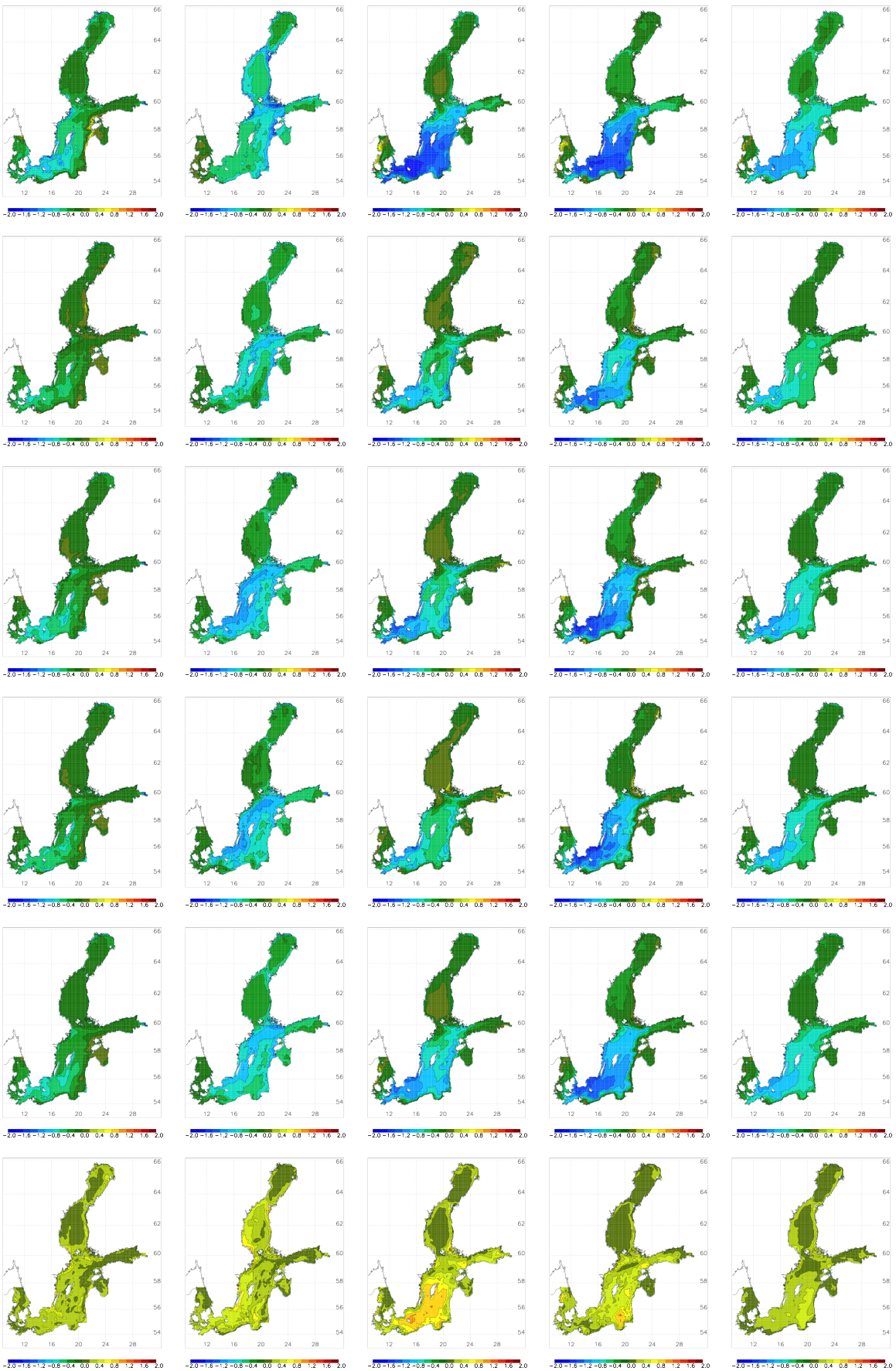


Figure 45. As Fig. 34 but for Secchi depth changes (m).