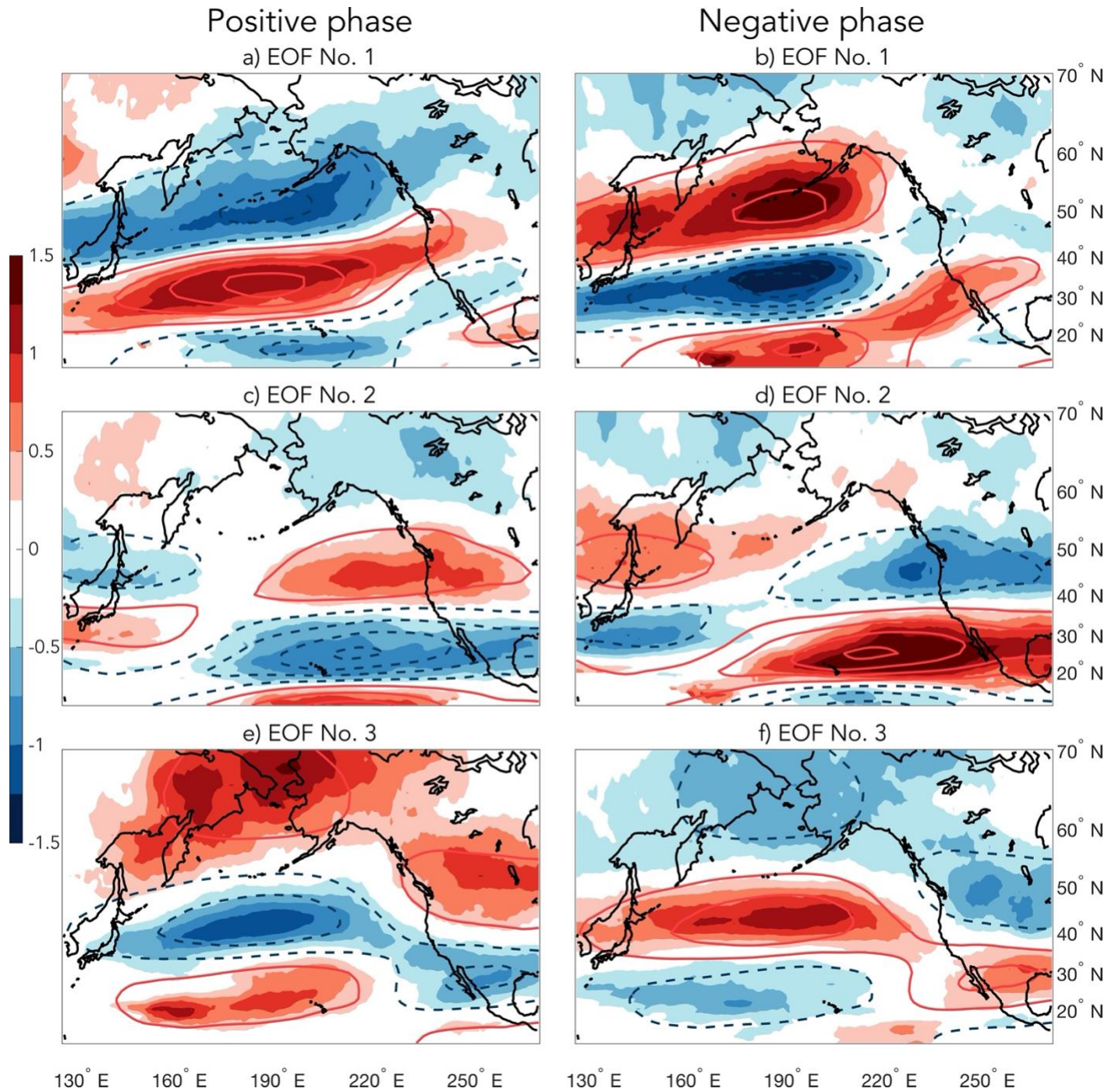*Supplement of*

Subseasonal prediction of springtime Pacific–North American transport using upper-level wind forecasts

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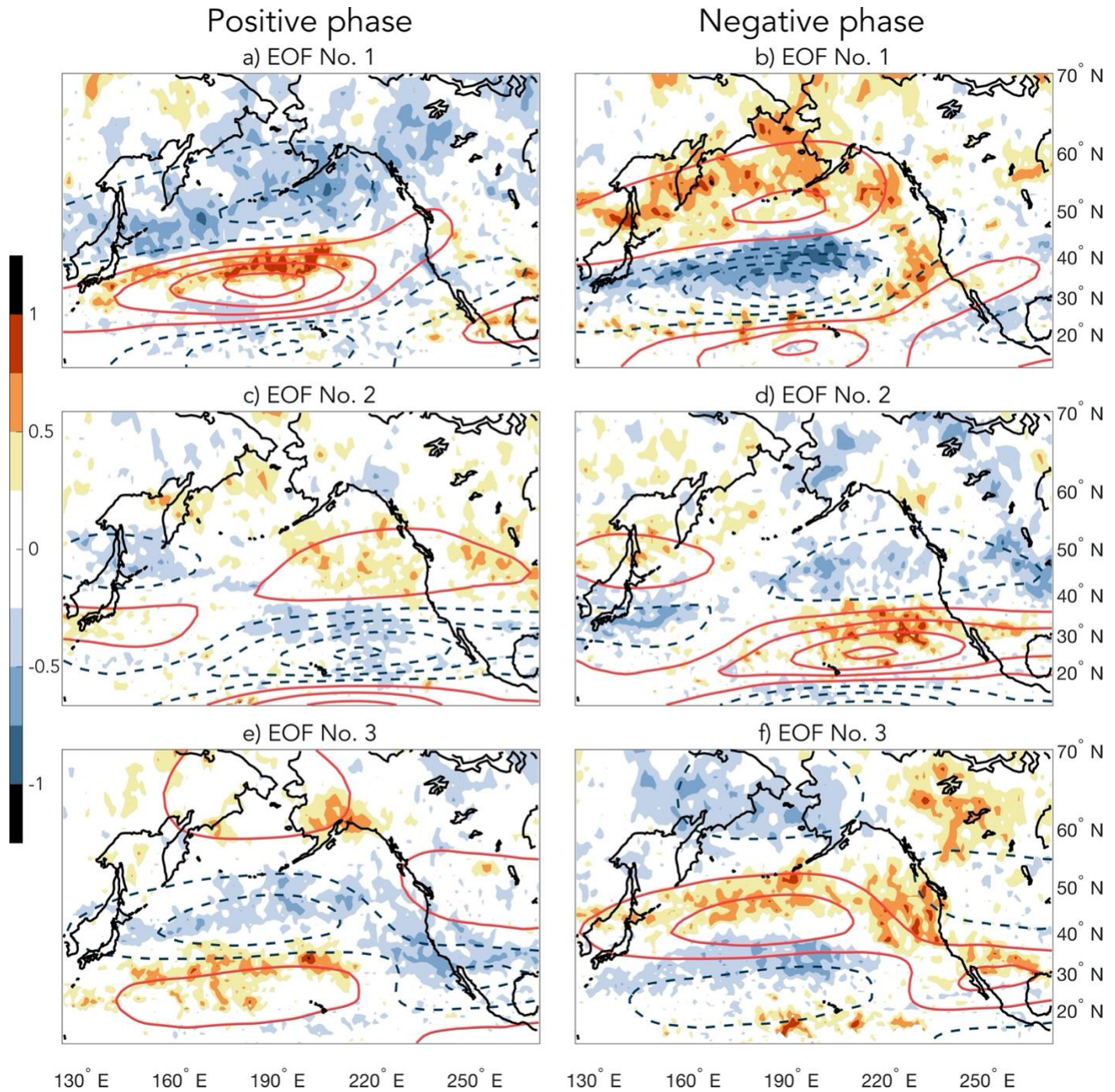*Correspondence to:* John R. Albers (john.albers@noaa.gov)

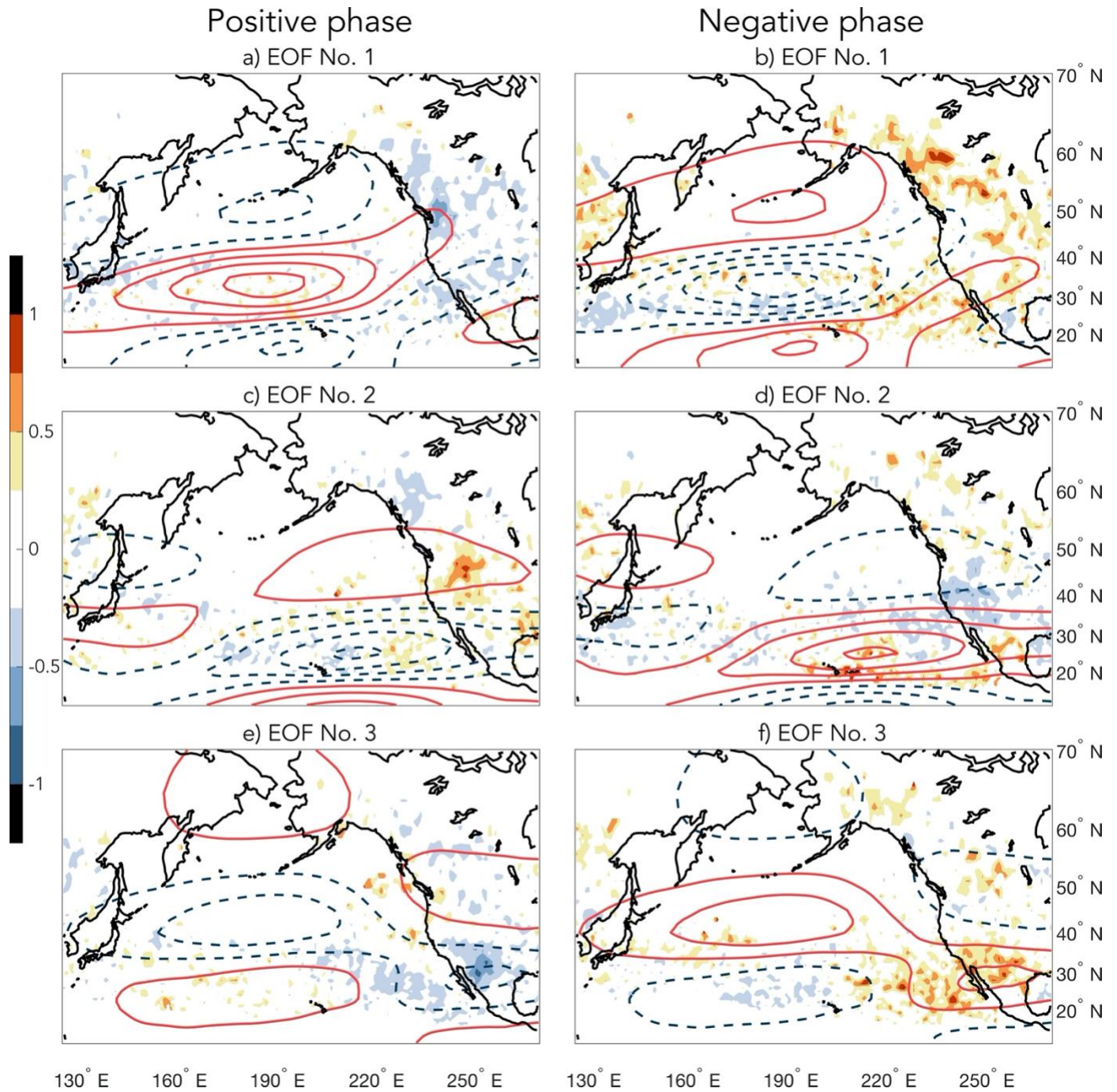**Figure S1:** Monthly mean (MAM, 1979-2014) jet frequencies (filled contours) for time periods when PCs 1-3 are greater than +/- 1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
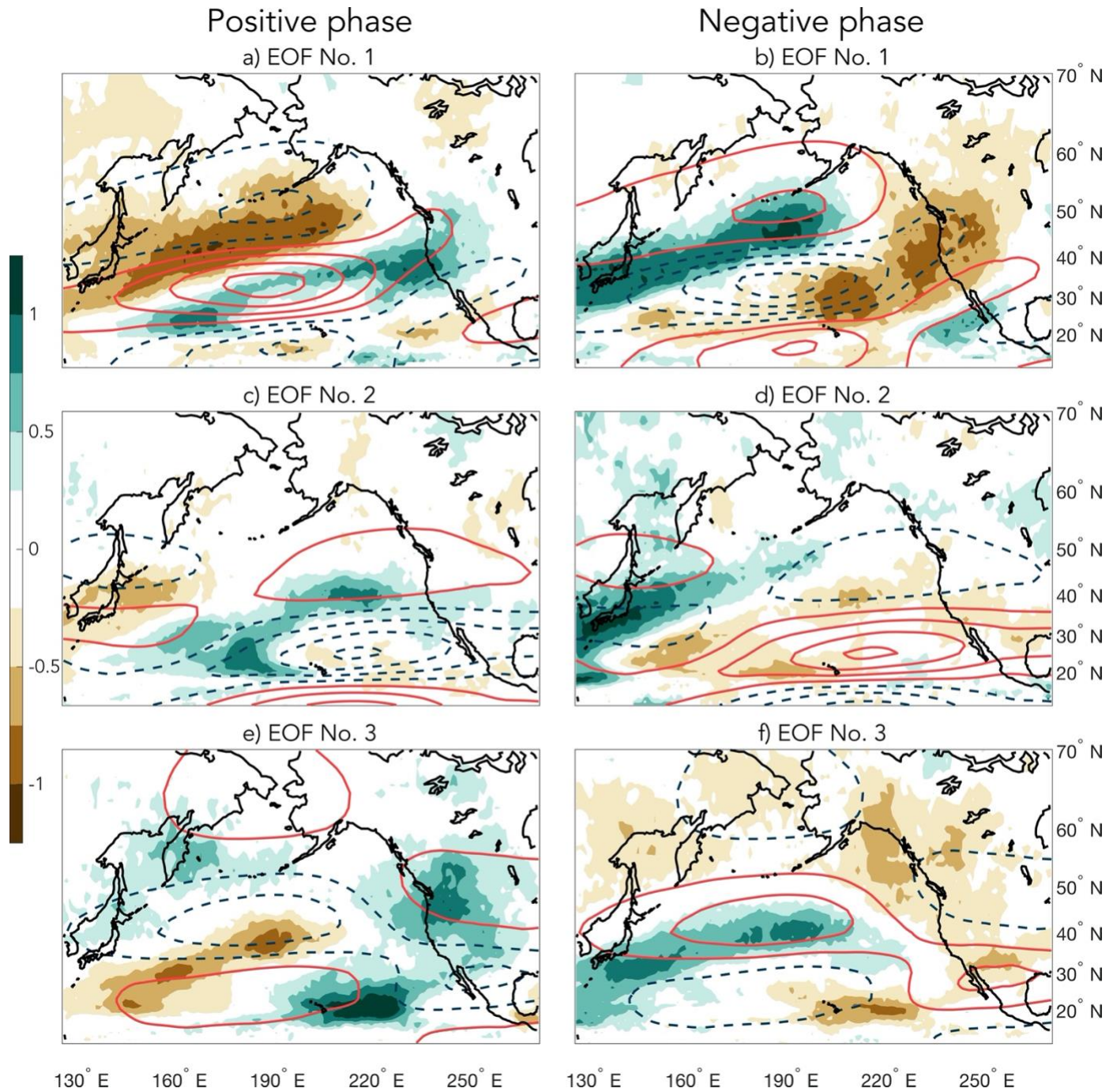
Figure S2: Monthly mean (MAM, 1979-2014) frequencies of STT to 500 hPa (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
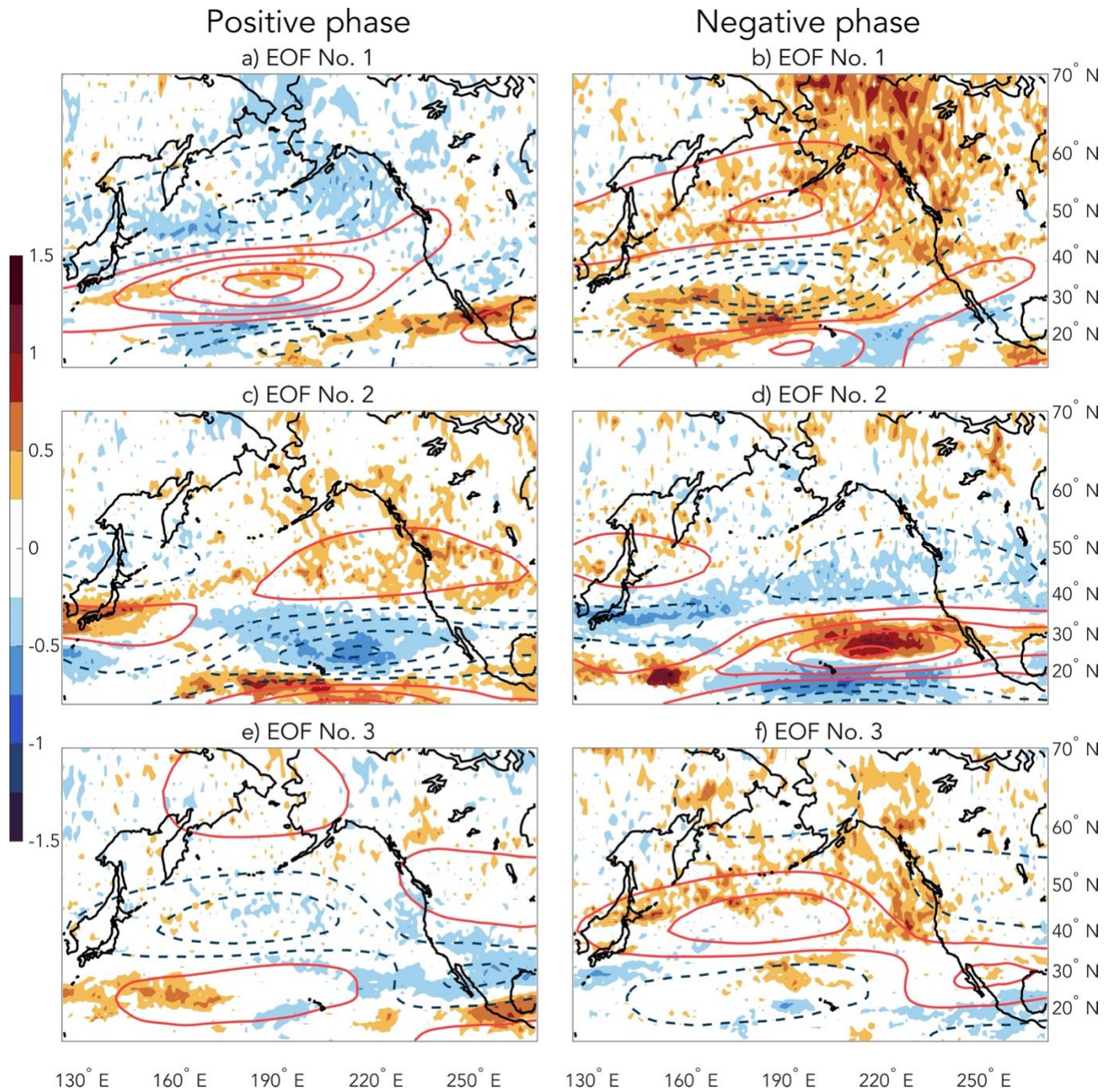
Figure S3: Monthly mean (MAM, 1979-2014) frequencies of STT to the PBL (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
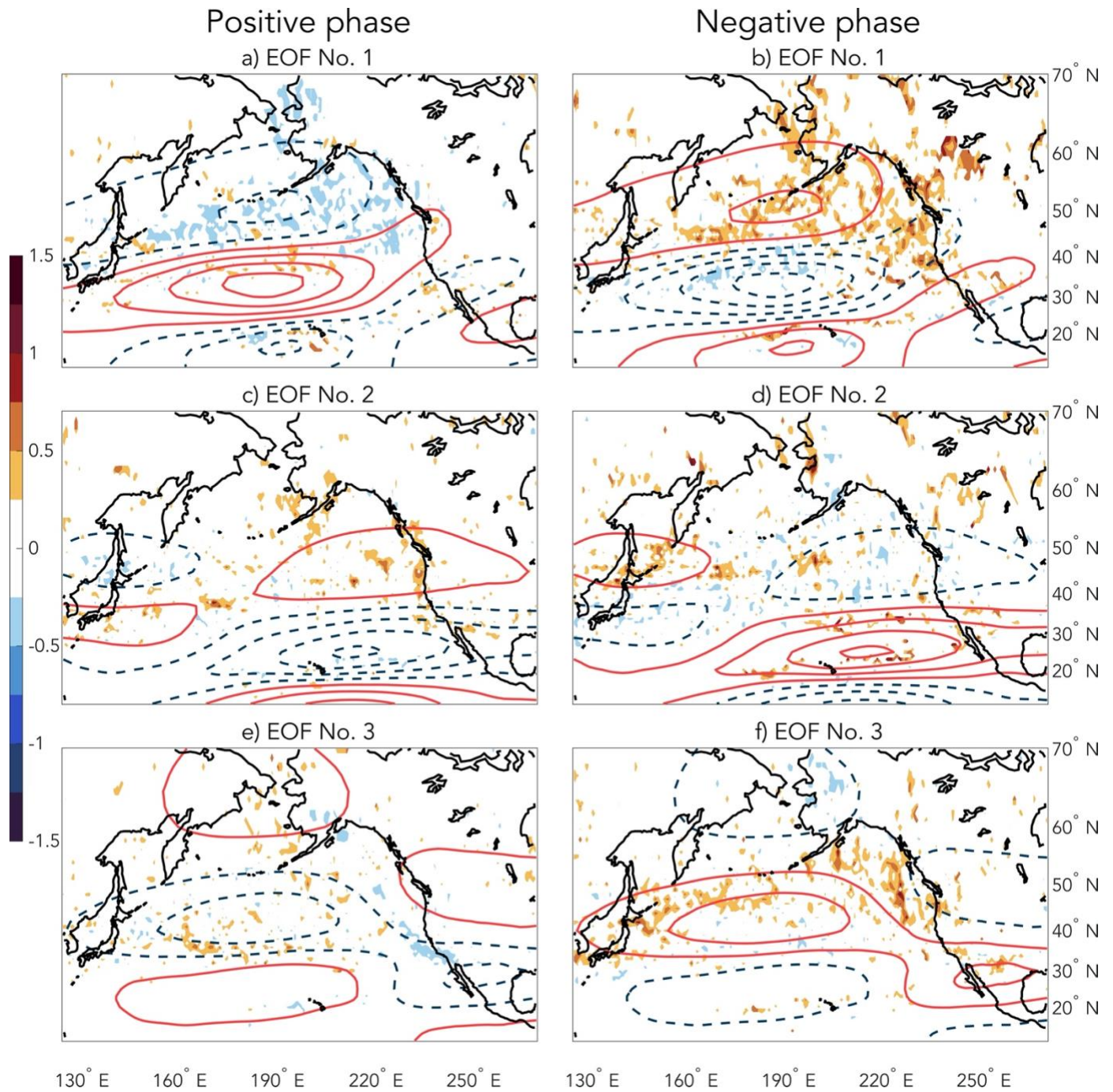
Figure S4: Monthly mean (MAM, 1979-2014) frequencies of TME (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
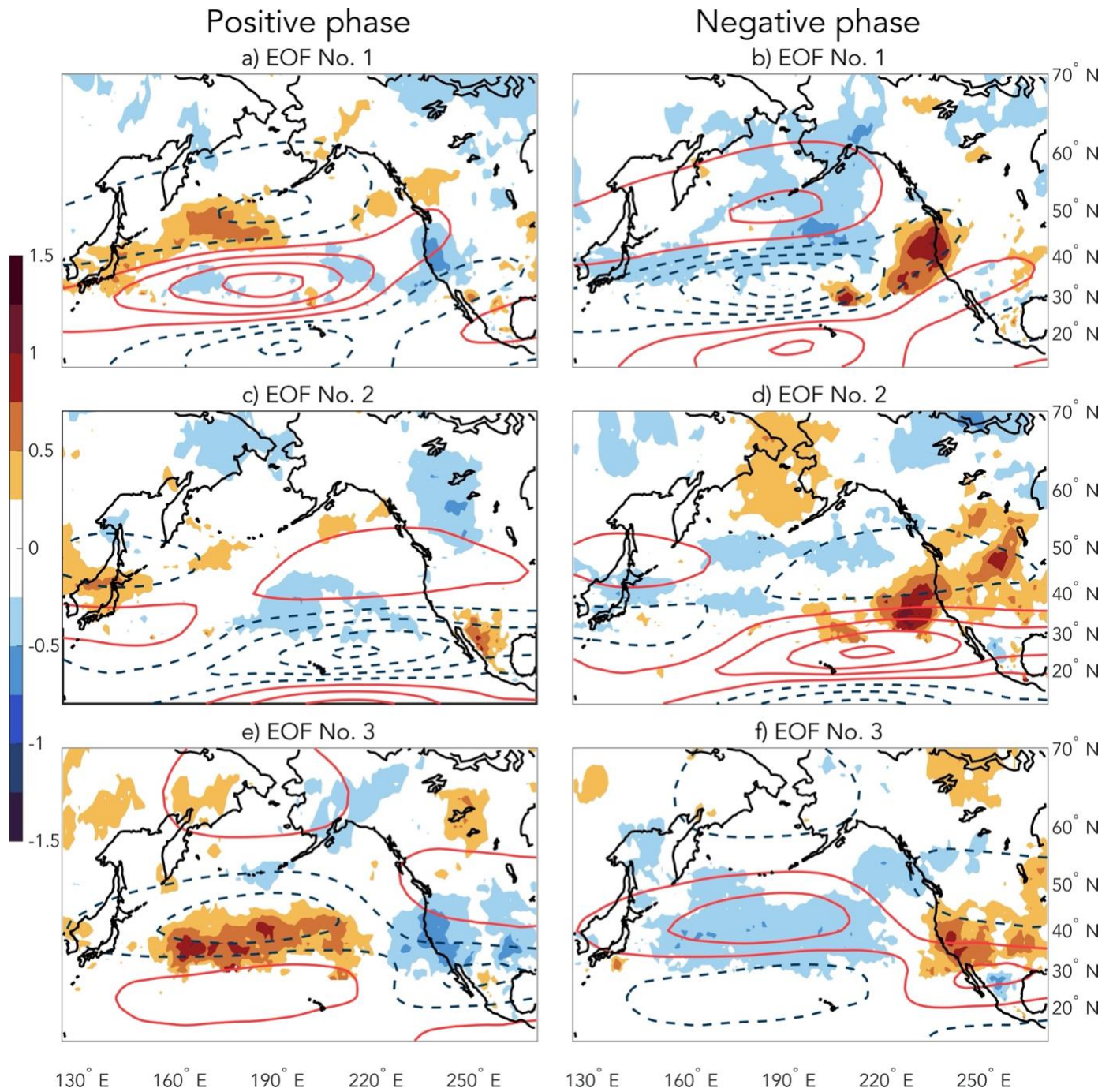
Figure S5: Monthly mean (MAM, 1979-2014) frequencies of shallow depth tropopause folds (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
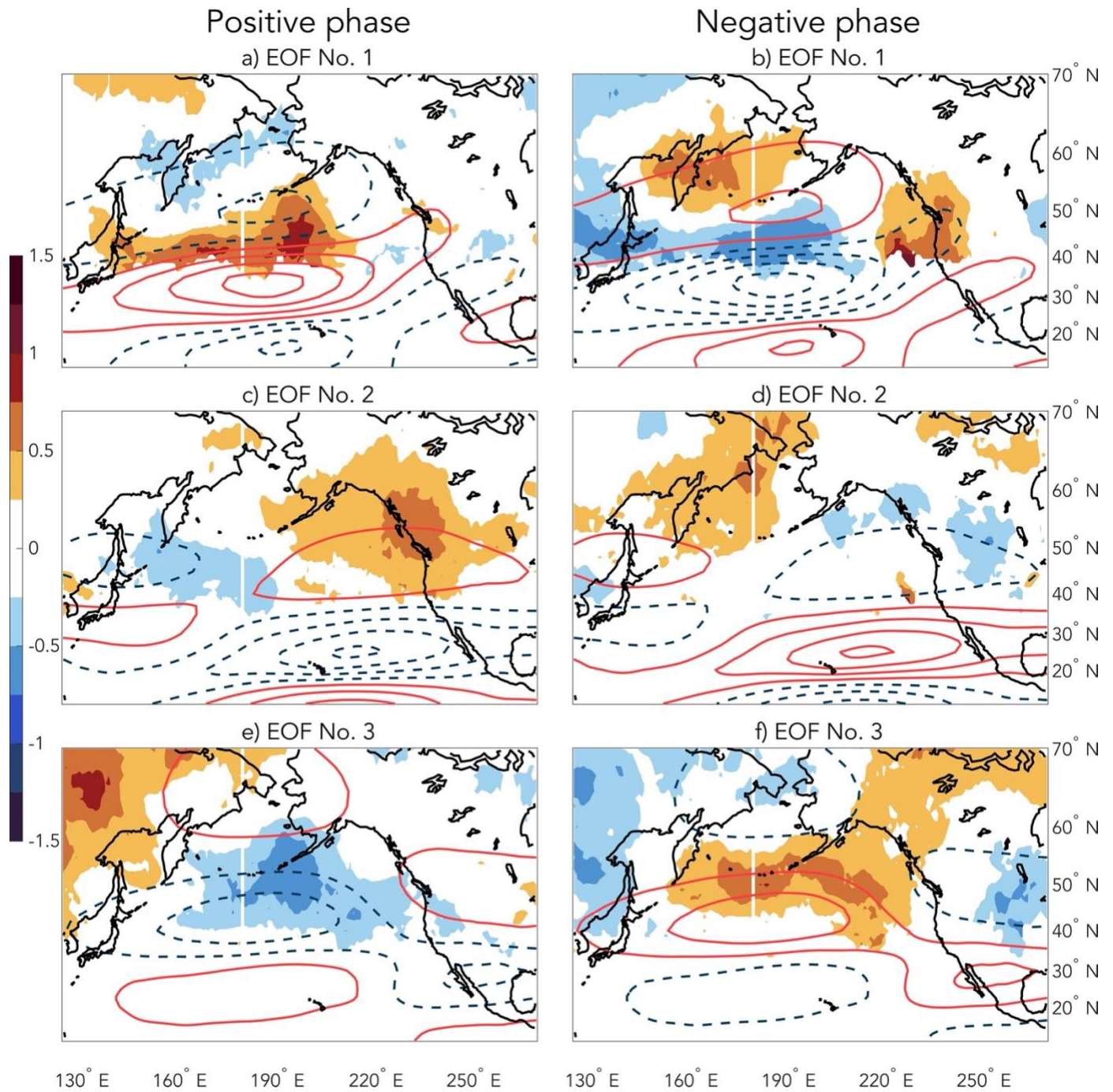
Figure S6: Monthly mean (MAM, 1979-2014) frequencies of medium depth tropopause folds (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.

Figure S7: Monthly mean (MAM, 1979-2014) frequencies of PV cutoffs on the 310 K isentropic surface (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.

Figure S8: Monthly mean (MAM, 1979-2014) frequencies of PV streamers on the 310 K isentropic surface (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.
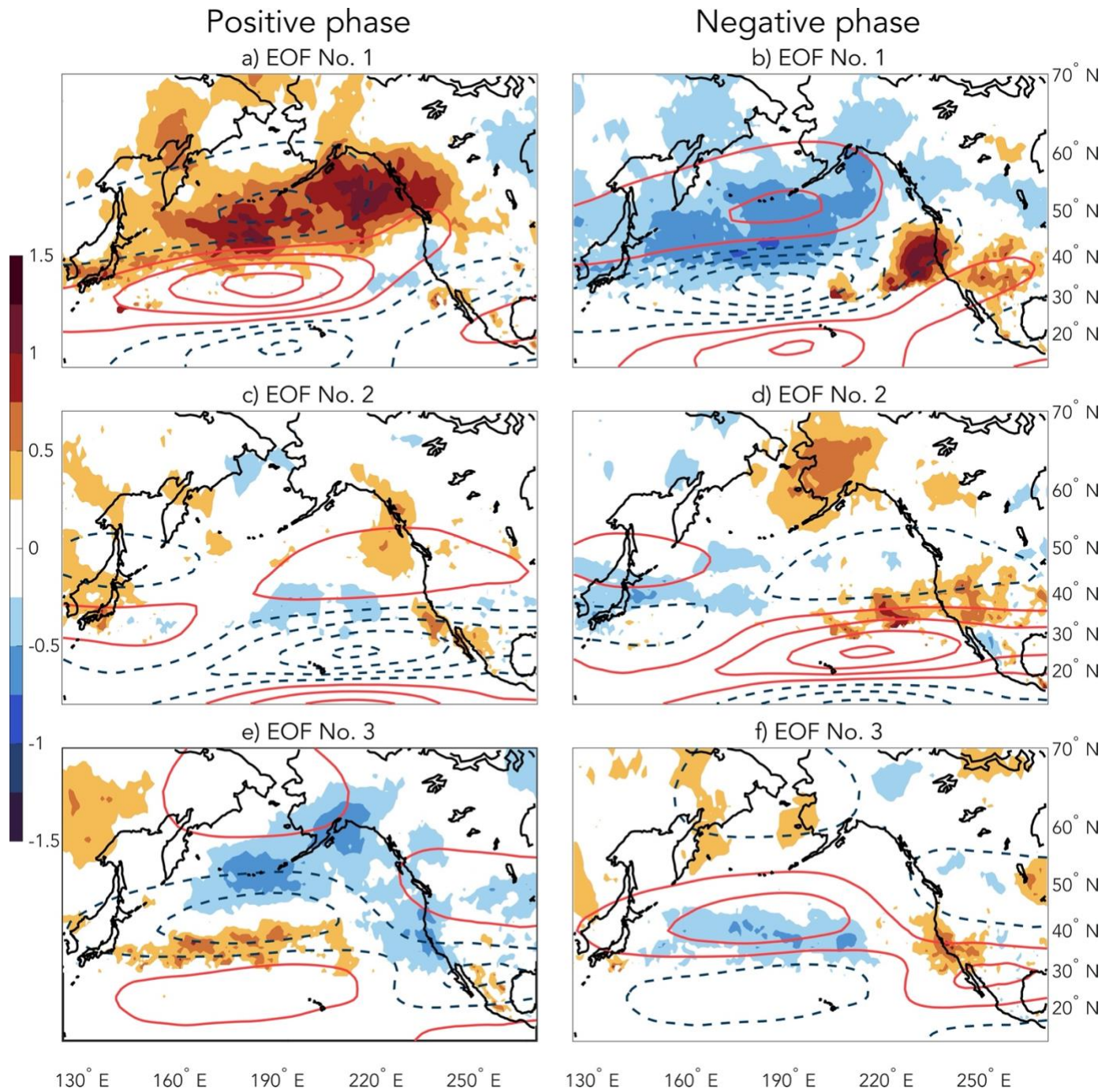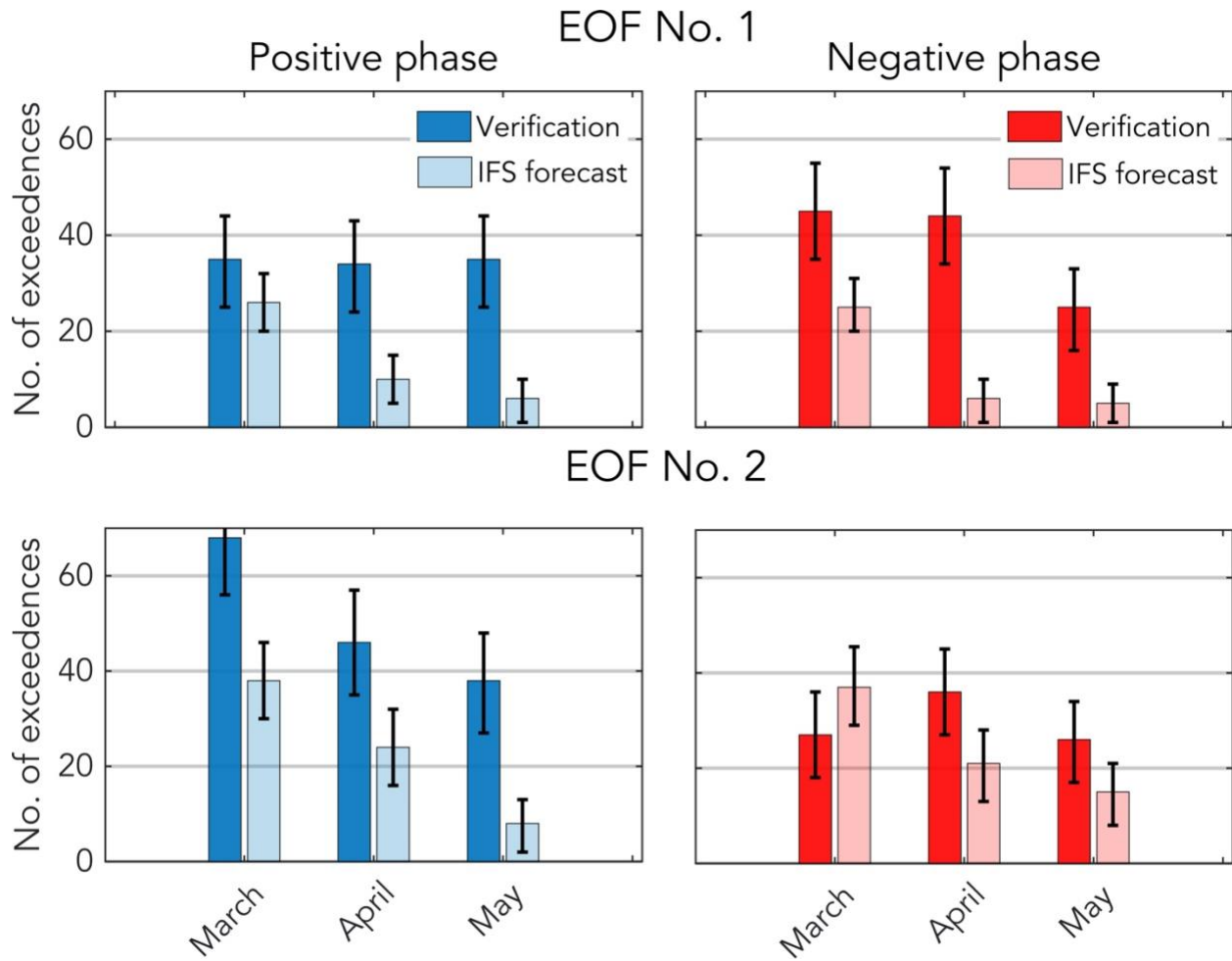
Figure S9: Monthly mean (MAM, 1979-2014) frequencies of PV cutoffs on the 305 K isentropic surface (filled contours) for time periods when PCs 1-3 are greater than +/-1 STDs from climatology (units of STDs). Colored contours show the EOF patterns associated with each composite.

Figure S10: Number of times that a weeks 3-5 average verification or forecast exceeded the 0.8 STD threshold for the 1997-2016 hindcast period (i.e., the periods in Fig. 4 where the black or orange lines, respectively, was above or below the dashed horizontal STD reference lines). 95th percentile bootstrap confidence intervals are shown as whiskers.