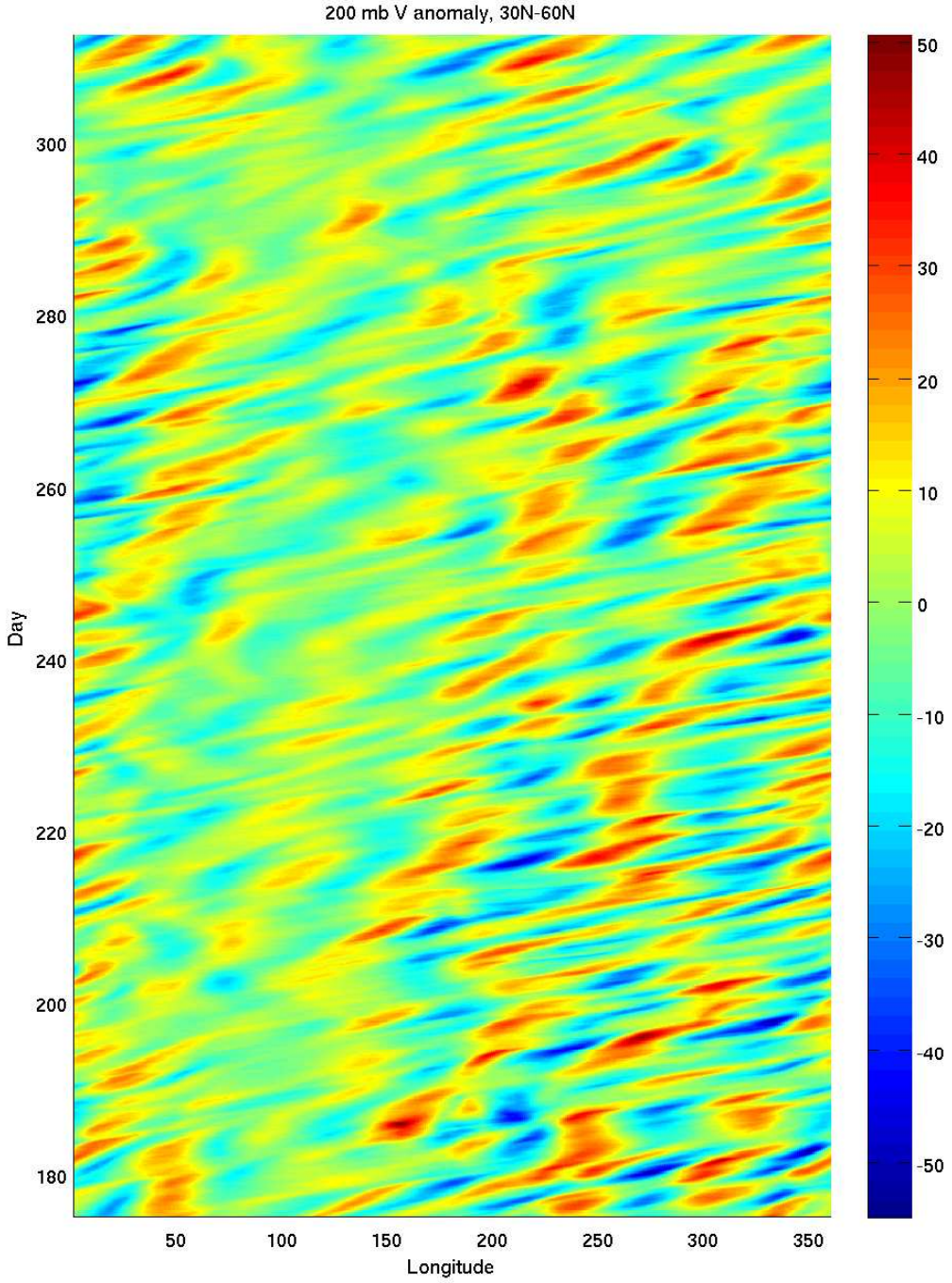

Figure 1: Upper tropospheric northern hemisphere midlatitude wave activity in the Nature Run, late October-early March. 200 mb meridional wind anomaly, averaged 30-60N, Day relative to May 1 2005.

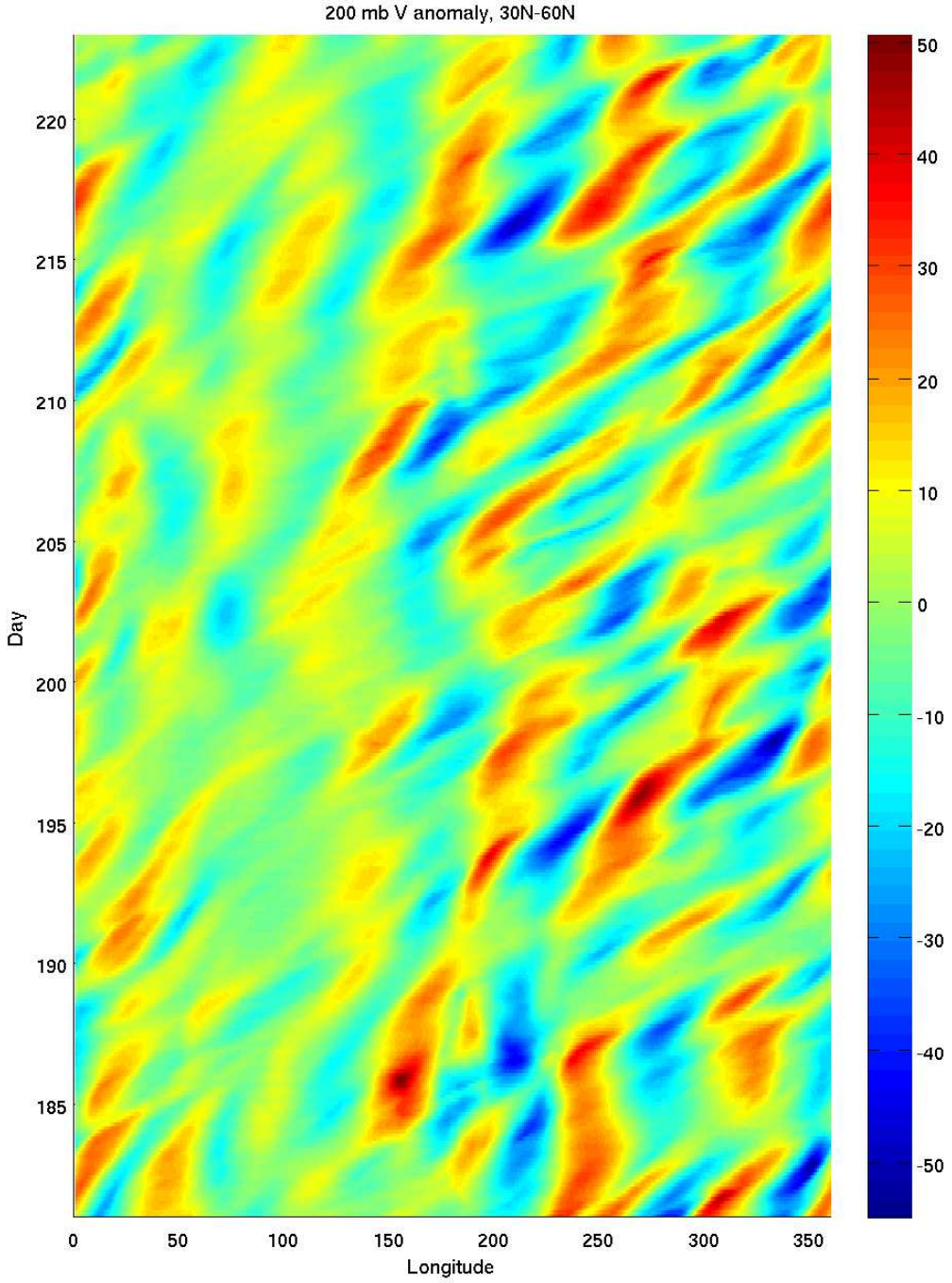

Figure 2: Close-up of wave activity in the Nature Run. 200 mb meridional wind anomaly, averaged 30-60N, Day relative to May 1 2005 (late October - mid December).Extratropical transistion of tropical cyclone near 15 longitude, Day 185-190.

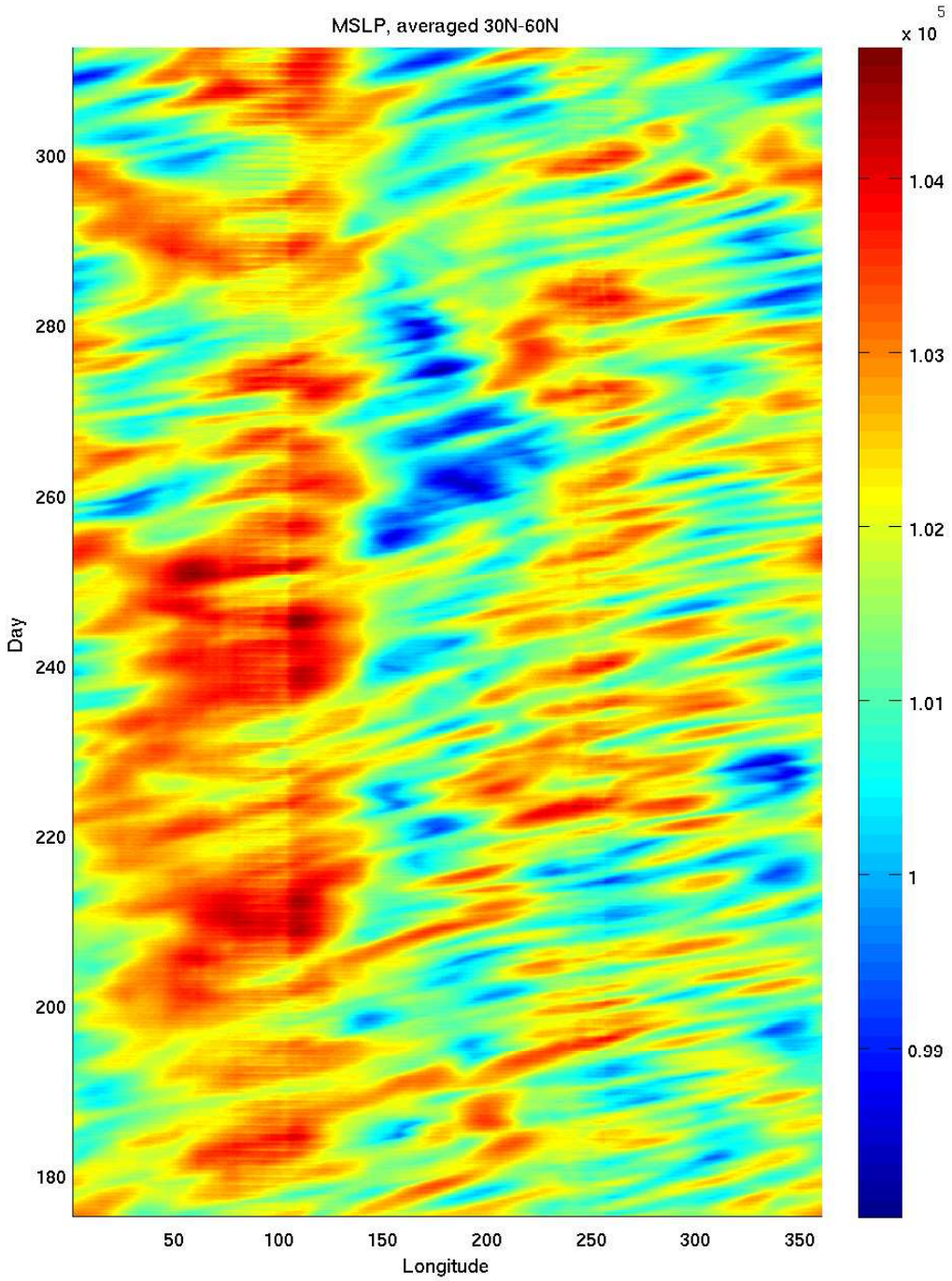

Figure 3: Northern hemispheric midlatitude low-level disturbances in the Nature Run, late October- early March. Mean sea level pressure, averaged 30-60N, Day relative to May 1 2005.

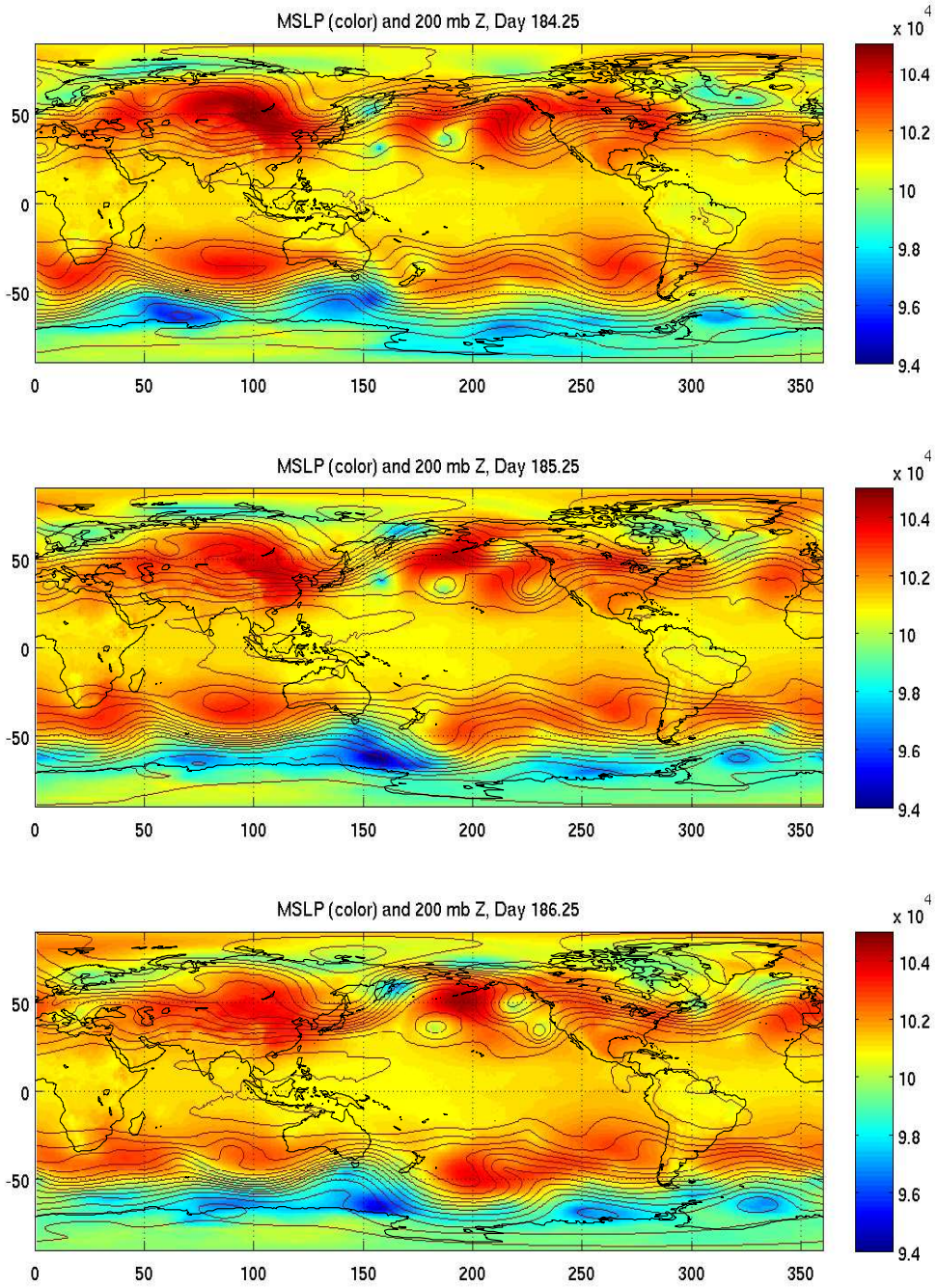

Figure 4: Illustration of tropical-extratropical transition of cyclone in the west Pacific, early November. Snapshot of MSLP and 200 mv Z, day 184-186. Tropical cyclone off the coast of Japan.

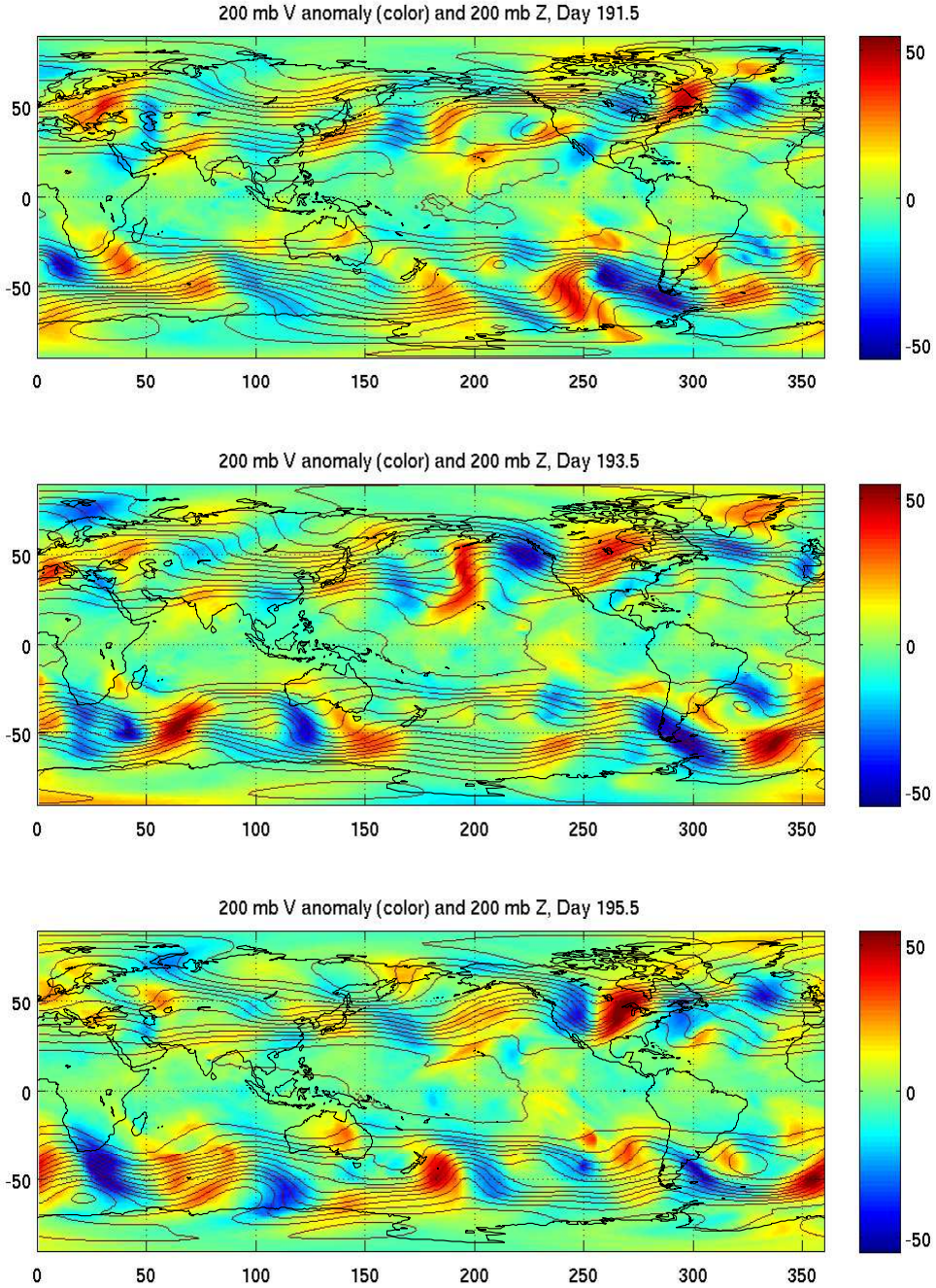

Figure 5: Wave train example in the north Pacific, mid November. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.

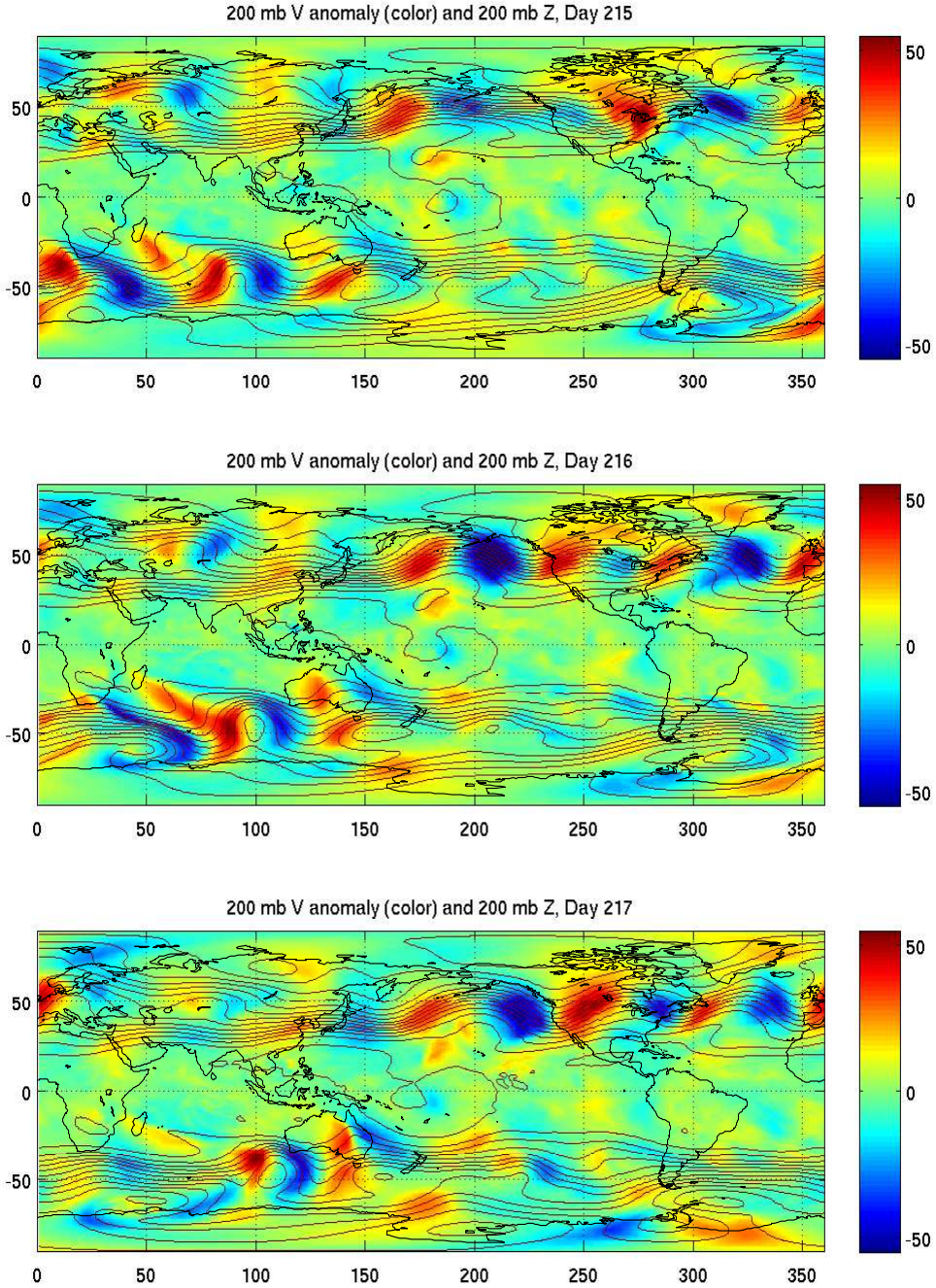

Figure 6: Wave train example in the north Pacific, early December. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.

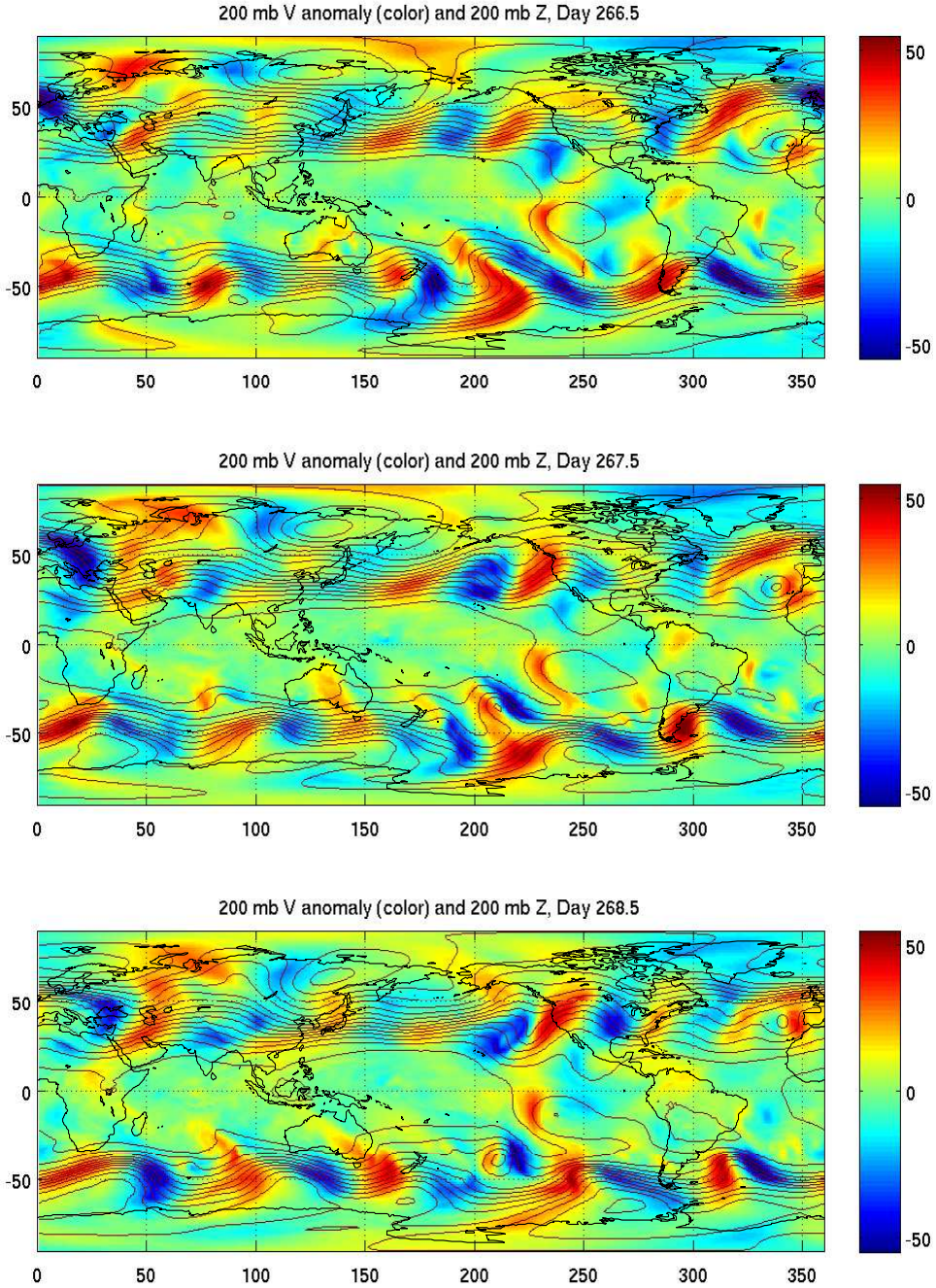

Figure 7: Wave train example in the north Pacific, late January. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.

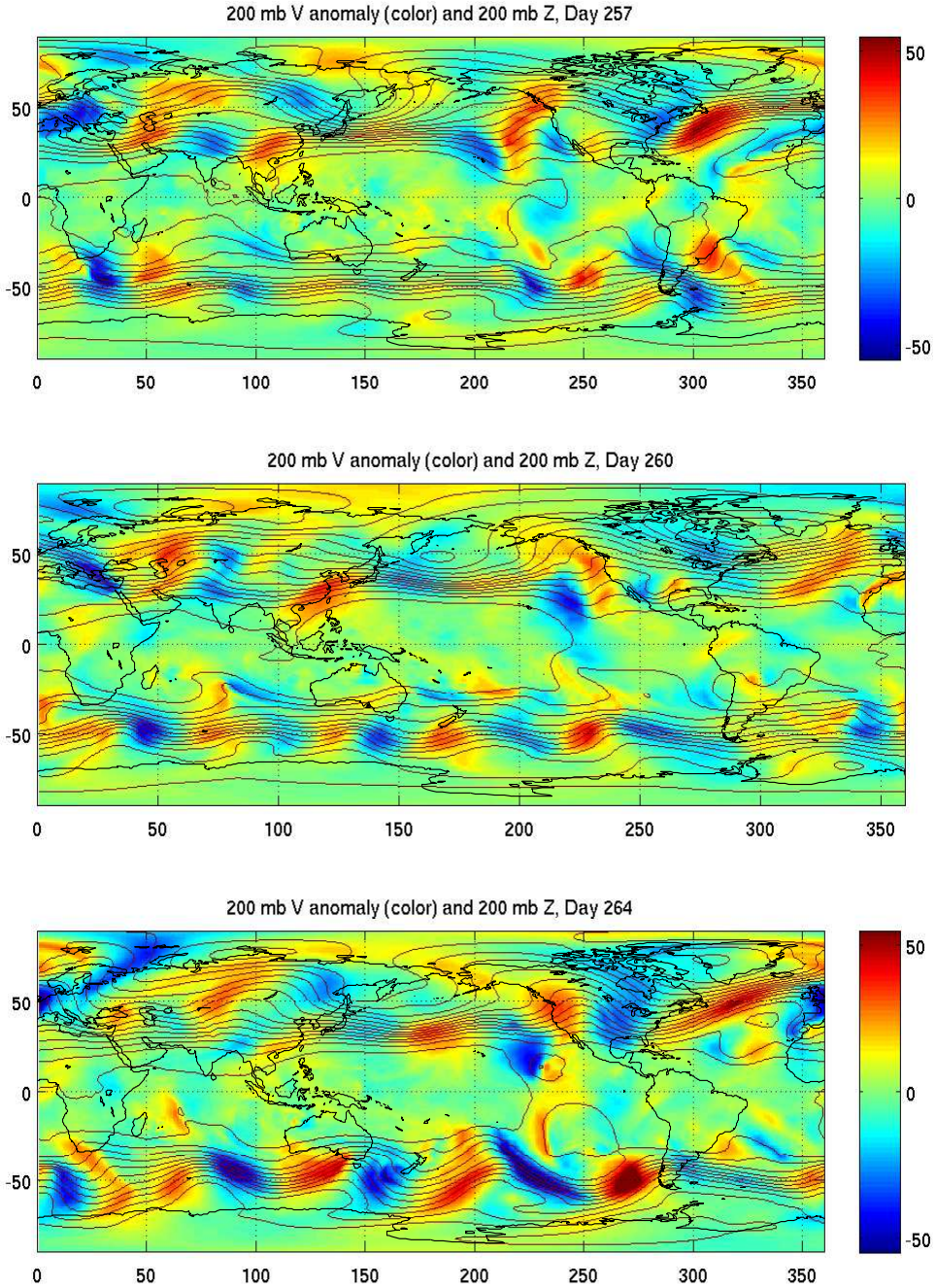

Figure 8: Large-scale flow during period of strong surface lows in north/western Pacific, mid January. Note strong jet in west/central Pacific. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.

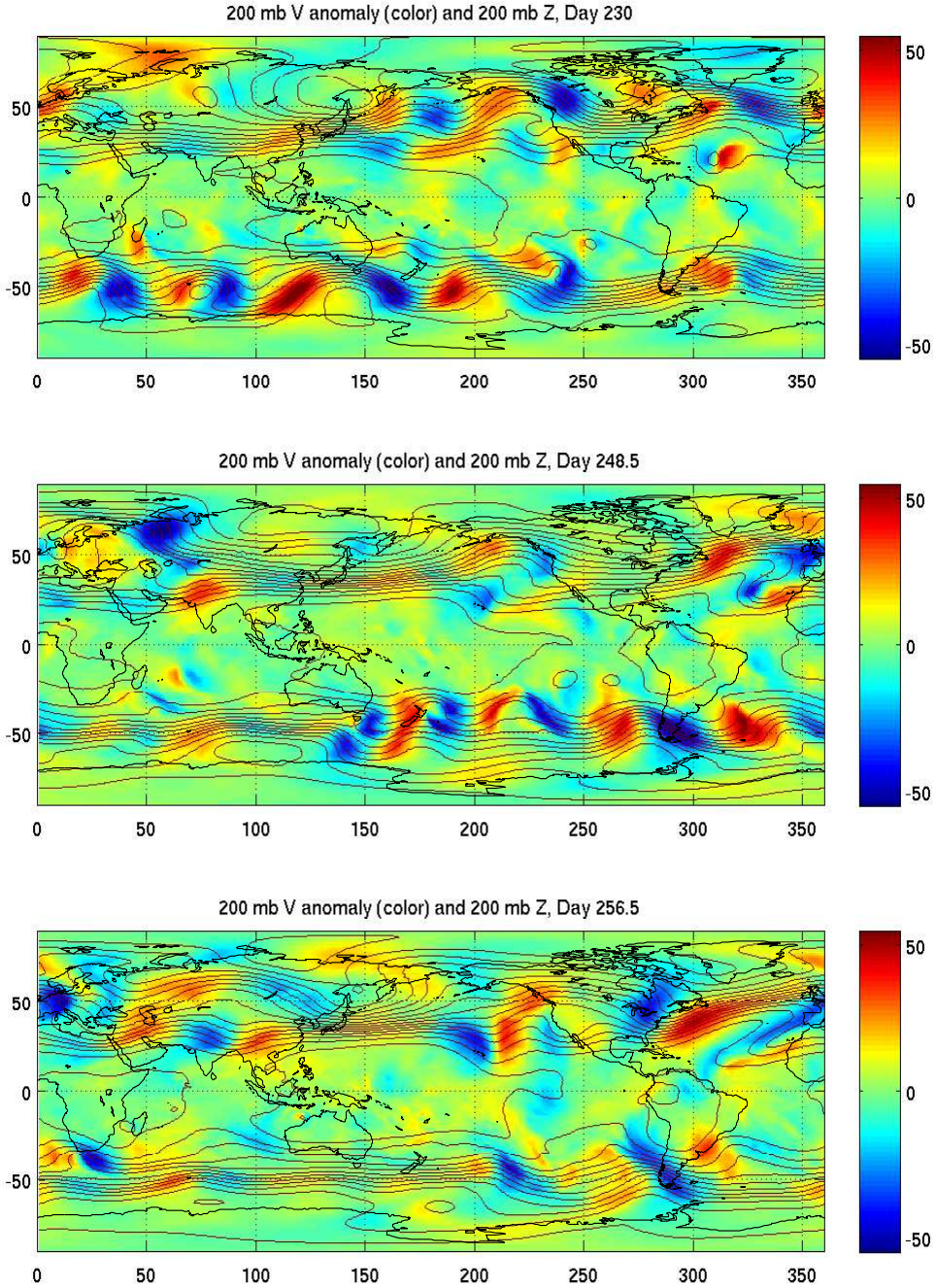

Figure 9: Strong west pacific jet with split in central/east pacific, early January. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.

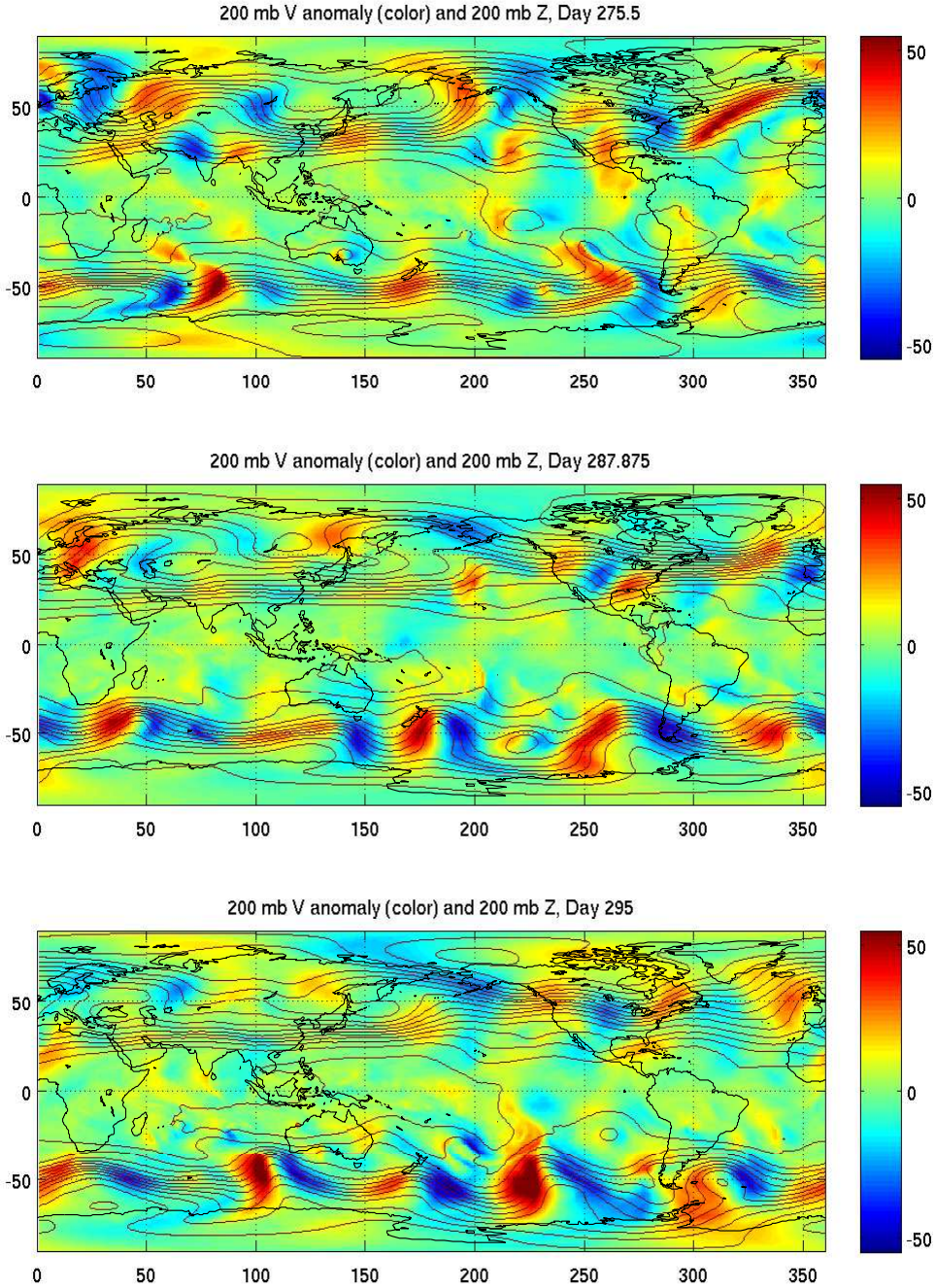

Figure 10: Strong west pacific jet with Siberian low, early February. 200 mb meridional wind anomaly (color) and 200 mb Z, Day relative to May 1 2005.