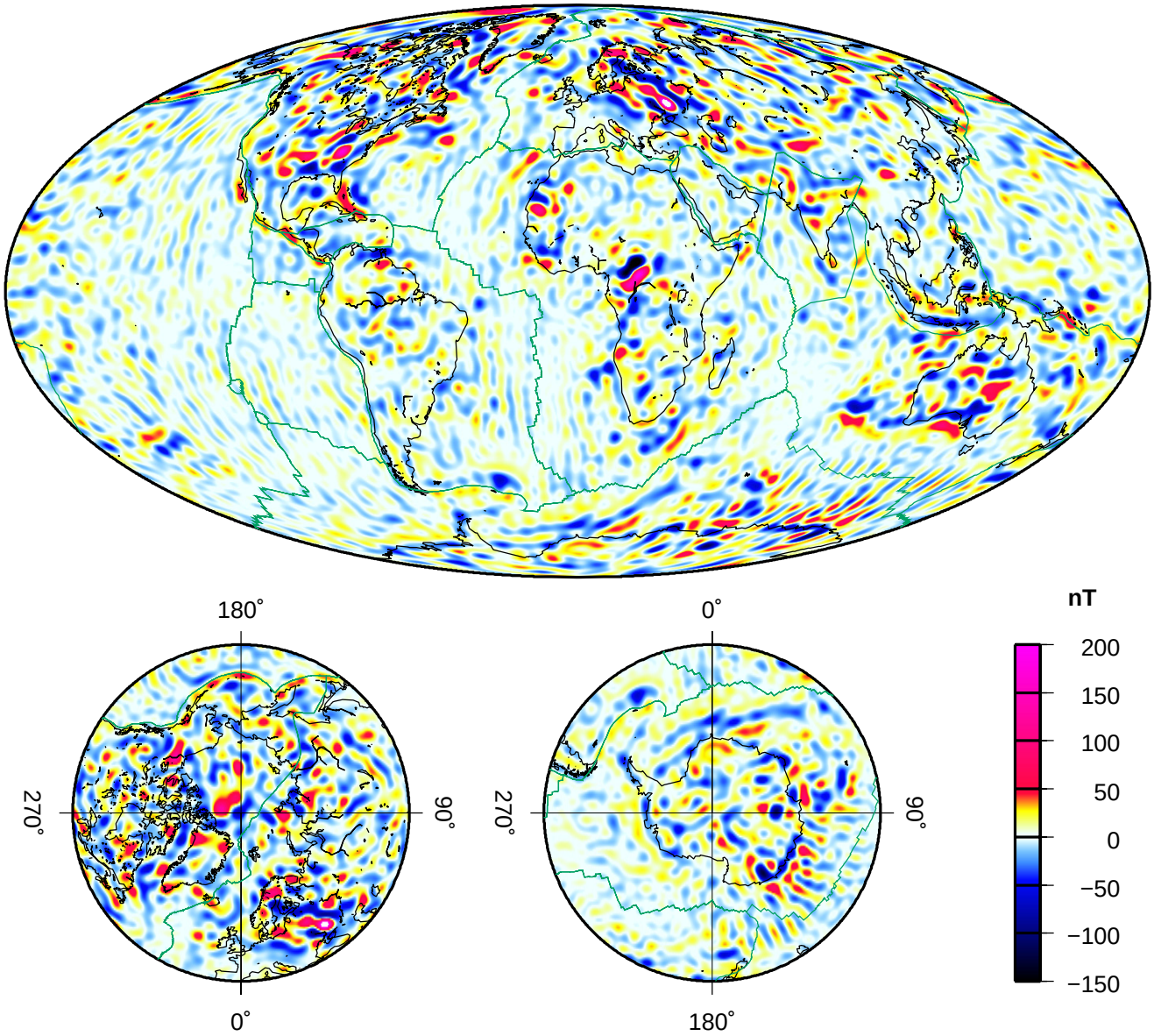MF4: Vertical component at 50 km altitude