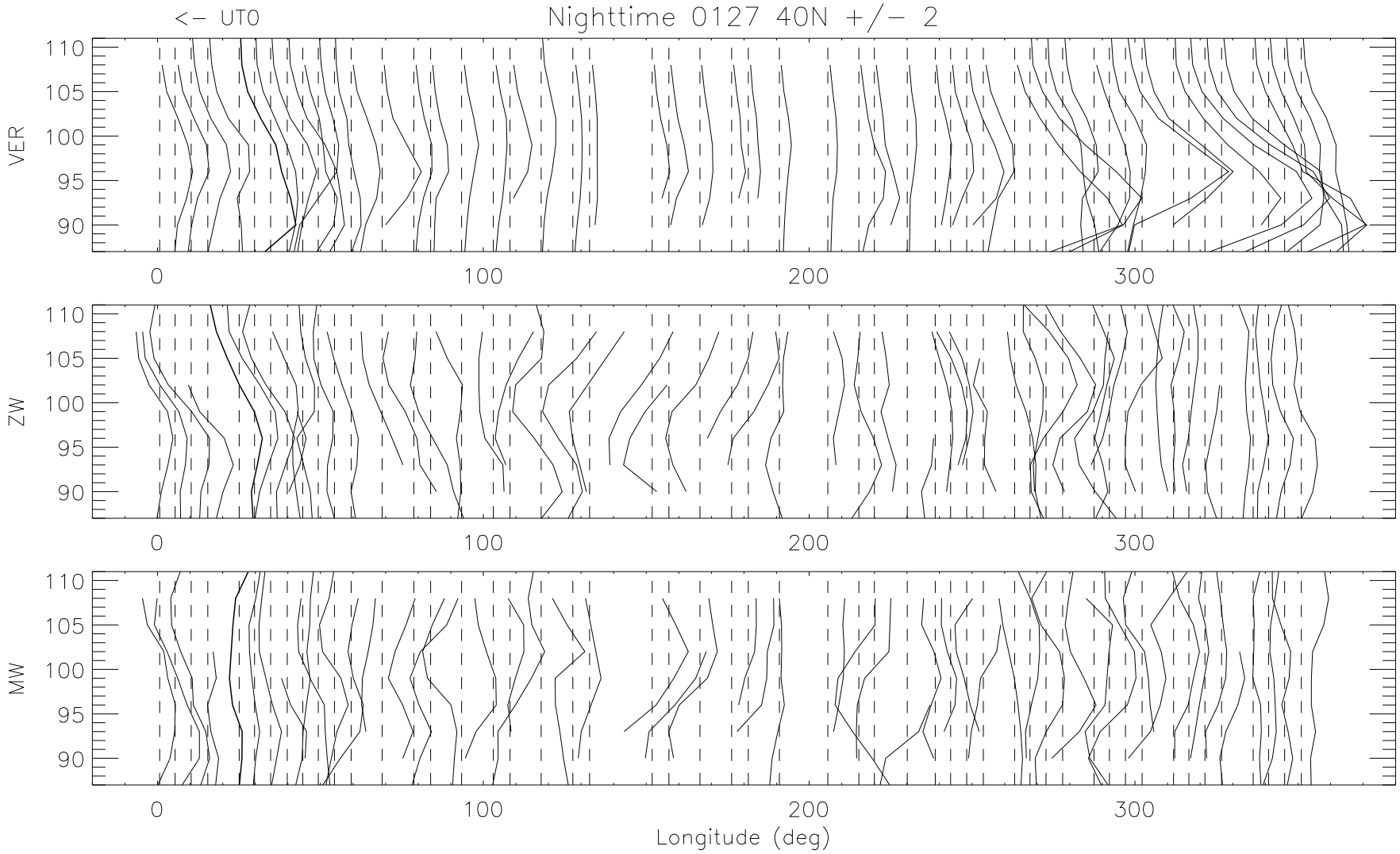

wind scale: the length of 10 deg. of longitude = 100 m/s