

**Which weather conditions would you expect to find 100 miles East of position "B"?**

A. Winds NW at 20.5 knots, steady warm temperature, high seas

Incorrect. The seas within the warm sector are not high and the wind direction and speed according to the diagram in the warm sector is approximately W'yly (westerly) at 15 knots.

B. Winds calm, falling temperature, clear skies, high seas

Incorrect. The temperature after the passing of a warm front and within the warm sector is generally steady or produces slightly rising high temperatures not falling. Also the seas are moderate not high.

C. Winds WSW, steady temperature, scattered clouds, moderate seas

Correct. The area between the warm front and the cold front is known as the warm sector. A vessel in position 100 miles to the east of position "B" would encounter conditions prevalent after the passing of the warm front which includes steady winds between W'yly (westerly) and SW'yly (southwesterly), steady high or slightly rising temperatures, scattered stratus or stratocumulous clouds, fair or poor visibility, steady barometric pressure and moderate seas.

D. None of the above

Incorrect. Answer C is the only correct answer.

