

$$-55^{\circ} -35^{\circ}$$

$$X_{f} = 31 \text{ km}$$

$$Ws(X_{f}) = 5.5 \text{ km}$$

$$\Phi = 26^{\circ}$$

$$Te_{xf} = 2249 \text{ m}$$

$$\alpha_{xf} = 19735 \text{ m}$$

$$Te_{\gamma} = 2088 \text{ m}$$

$$\alpha_{\gamma} = 18671 \text{ m}$$

$$Te_{avg} = 2169 \text{ m}$$

$$\alpha_{avg} = 19203 \text{ m}$$

$$Te_{err} = 7\%$$

$$Hd = 4683 \text{ m (from } \Phi \text{ and } Te_{avg})$$