









BAe 146 H2O Mixing Ratio converted using the following equations:

$$e_{\text{water}} = [1.0007 + (3.46 \times 10^{-6}P)] \times 6.1121 \exp(17.502T / (240.97 + T))$$

$$e_{\text{ice}} = [1.0003 + (4.18 \times 10^{-6}P)] \times 6.1115 \exp(22.452T / (272.55 + T))$$

T is dew point/frost temperature in degree C.

P is pressure in mb.

$$\text{Mixing Ratio} = 622e / (P - e) \text{ in g/kg}$$

e = e<sub>water</sub> when temperature is above 273 K  
or e<sub>ice</sub> when temperature is lower than 273 K.