

Method	Water vapor mole fraction range (ppm)	Result
Dew point mirror (Dewmet) from 2013	7000–25 000	$H_2O_{\text{Dewmet2013}} = (0.802 \pm 0.010) \cdot H_2O_{\text{uncalibrated}}$
FISH calibration bench	2–600	$H_2O_{\text{calBench}} = (0.97 \pm 0.04)$ $\cdot H_2O_{\text{Dewmet2013}} - (12.2 \pm 0.5) \text{ ppm}$
CO ₂ dilution effect	300–27 000	$H_2O_{\text{dilution}} = (1.029 \pm 0.023)$ $\cdot H_2O_{\text{Dewmet2013}} - (16.1 \pm 1.6) \text{ ppm}$