



Supplement of

Measurements of greenhouse gases at Beromünster tall tower station in Switzerland

T. A. Berhanu et al.

Correspondence to: T. A. Berhanu (berhanu@climate.unibe.ch)

The copyright of individual parts of the supplement might differ from the CC-BY 3.0 licence.

642 Table. S.1. Summary of multiple linear regression results for CO, CO₂, and CH₄ derived from
 643 the WG gas CH₄ mixing ratio measurements. Note that the p-values are less than 2.2e-16 for
 644 all cylinders and species except for CO of HS and LS with p-values of 0.000289 and 0.01365,
 645 respectively.

Species	Cylinder	A (ppb K ⁻¹ , ppm K ⁻¹)	B (ppb ppm ⁻¹ , ppm ppm ⁻¹)	r ²
CO	WG	1.85E-03	1.94	0.756
	HS	2.77E-04	-6.50E-01	0.128
	LS	1.43E-04	-4.85E-01	0.061
	T	5.14E-04	-1.02	0.426
CO ₂	WG	5.94E-03	9.46E+01	0.923
	HS	-6.47E-05	9.62E+01	0.744
	LS	4.53E-03	2.86E+01	0.562
	T	1.98E-03	4.97E+01	0.834
CH ₄	WG	-1.11E-05	1.24	0.980
	HS	1.81E-05	7.50E-01	0.952
	LS	-6.36E-06	1.004	0.983

646