

Sample number	1	2	3
Date	05.04.2016	06.04.2016	06.04.2016
Time	14:31	13:46	14:45
Duration /s	53	364	320
Sample volume/L	0.18	1.26	1.11
Pressure/mbar	906	914	914
Integrated SO ₂ /ppmv	1.85 ± 0.09	0.34 ± 0.04	0.74 ± 0.05
Br _x /ppb	0.65 ± 0.06	0.34 ± 0.01	0.14 ± 0.1
Br _x / SO ₂ × 10 ⁻⁴	3.5 ± 0.4	9.8 ± 1.3	1.9 ± 0.2
CO ₂ / SO ₂	43 ± 9	27 ± 4	17 ± 8
Distance/m	21 ± 2	80 ± 2	177 ± 2
Wind speed/m s ⁻¹	3.4 ± 0.5	4.8 ± 0.5	4.8 ± 0.5
Plume age/s	6 ± 1	17 ± 2	37 ± 4