

	Lochnagar	Redon	Gossenköllesee	Skalnate Pleso
Sampling period	Jun 2004–Mar 2007	May 2004–Sep 2006	Jun 2004–Aug 2006	May 2004–May 2006
Mountain range	Grampian Mountains	Pyrenees	Tyrolean Alps	Tatra Mountains
Latitude (N)	56.95914	42.64208	47.22528	49.189933
Longitude (E)	−3.23128	0.77951	11.01390	20.234217
Altitude (m a.s.l.) <sup>a</sup>	790	2235	2413	1787
Temperature (°C) <sup>b</sup>	4.9	5.3	−1.4	2.2
Mean precipitation (mm month <sup>−1</sup> )	129	79	66	120
Particle flux(min–max)	130 (15–1600)	320 (14–2800)	145 (18–590)	330 (43–1800)
∑PAH <sup>c</sup> (min–max)	2.1 (0.53–10)	0.80 (0.24–1.4)	1.3 (0.19–3.7)	9.7 (2.3–32)
Warm	1.8 (0.53–4.4)	0.89 (0.24–1.4)	1.3 (0.22–3.7)	8.4 (2.3–15)
Cold	2.25 (0.74–10)	0.63 (0.24–1.2)	1.3 (0.19–3.7)	8.8 (3.6–32)
LMW-PAH <sup>d</sup> (min–max)	1.1 (0.25–7.6)	0.30 (0.06–0.74)	0.89 (0.09–3.1)	5.6 (1.4–22)
Warm	0.94 (0.25–2.2)	0.30 (0.07–0.74)	0.86 (0.10–3.1)	5.7 (1.4–10)
Cold	1.2 (0.39–7.6)	0.28 (0.06–0.66)	0.90 (0.09–2.8)	4.2 (1.7–22)
HMW-PAH <sup>e</sup> (min–max)	0.97 (0.08–2.6)	0.49 (0.18–0.94)	0.40 (0.10–0.84)	3.9 (0.73–11)
Warm	0.82 (0.20–2.6)	0.57 (0.21–0.94)	0.42 (0.11–0.98)	2.3 (0.73–4.1)
Cold	1.1 (0.08–2.5)	0.34 (0.18–0.55)	0.41 (0.10–0.84)	4.5 (1.6–11)
PAH (∑15 PAH-EPA) <sup>f</sup> (min–max)	1.9 (0.48–9.6)	0.70 (0.22–1.3)	1.2 (0.17–3.5)	8.8 (2.2–29)