

	Aerosol optical thickness in the column (532 nm)	Daily mean net downward radiation ( $\text{W m}^{-2}$ )	Daily mean sensible heat flux ( $\text{W m}^{-2}$ )	Daily mean latent heat flux ( $\text{W m}^{-2}$ )	Daily mean ground absorption ( $\text{W m}^{-2}$ )	Daily mean of 2 m temperature (K)	Daily maximum of 2 m temperature (K)	Daily integrated surface evaporation ( $\text{kg m}^{-2} \text{ day}^{-1}$ )	Daily maximum ABL height (m)
EXP0									
Spring mean	0.0	166	88	78	-0.6	285	293	2.68	2352
EXP1 – EXP0									
Spring mean	0.21	-14	-7	-6	-1.3	-0.3	-0.2	-0.21	-133
2 Apr 2012	0.38	-22	-10	-10	-2.2	-0.5	-0.6	-0.34	-186
16 Apr 2013	0.35	-19	-9	-8	-1.8	-0.4	-0.4	-0.29	-162
8 May 2013	0.32	-18	-8	-8	-1.7	-0.4	-0.4	-0.27	-150
9 May 2013	0.42	-23	-11	-10	-2.2	-0.5	-0.5	-0.36	-208
14 May 2013	0.37	-22	-11	-10	-2.1	-0.5	-0.5	-0.33	-163
EXP2 – EXP0									
Spring mean	0.21	-14	-7	-5	-1.2	-0.2	-0.1	-0.18	-24
2 Apr 2012	0.38	-22	-11	-9	-1.9	-0.4	-0.2	-0.30	-72
16 Apr 2013	0.35	-19	-9	-8	-1.7	-0.3	-0.2	-0.26	-83
8 May 2013	0.32	-18	-9	-7	-1.6	-0.3	-0.2	-0.25	-77
9 May 2013	0.42	-23	-12	-9	-2.0	-0.4	-0.3	-0.32	-90
14 May 2013	0.37	-22	-11	-9	-1.9	-0.3	-0.2	-0.30	-70