

Table 6.1: Borehole number, measurement date, total depth of the borehole, coordinates of the borehole location, and drilling technique.

number	date	depth	coordinates (m / m / m a.s.l.)	drill types
CG18-1/21	30.03.2021 ^a	30.4	633798 / 86576 / 4455	steam
CG18-2/21	10.06.2021 ^a	30.7	633798 / 86576 / 4455	steam
CG21-1/21	10.06.2021 ^b	83	633846.5 / 86526.4 / 4460	mechanical

Type of thermistors: ^a YSI 44031; ^b YSI 4460031

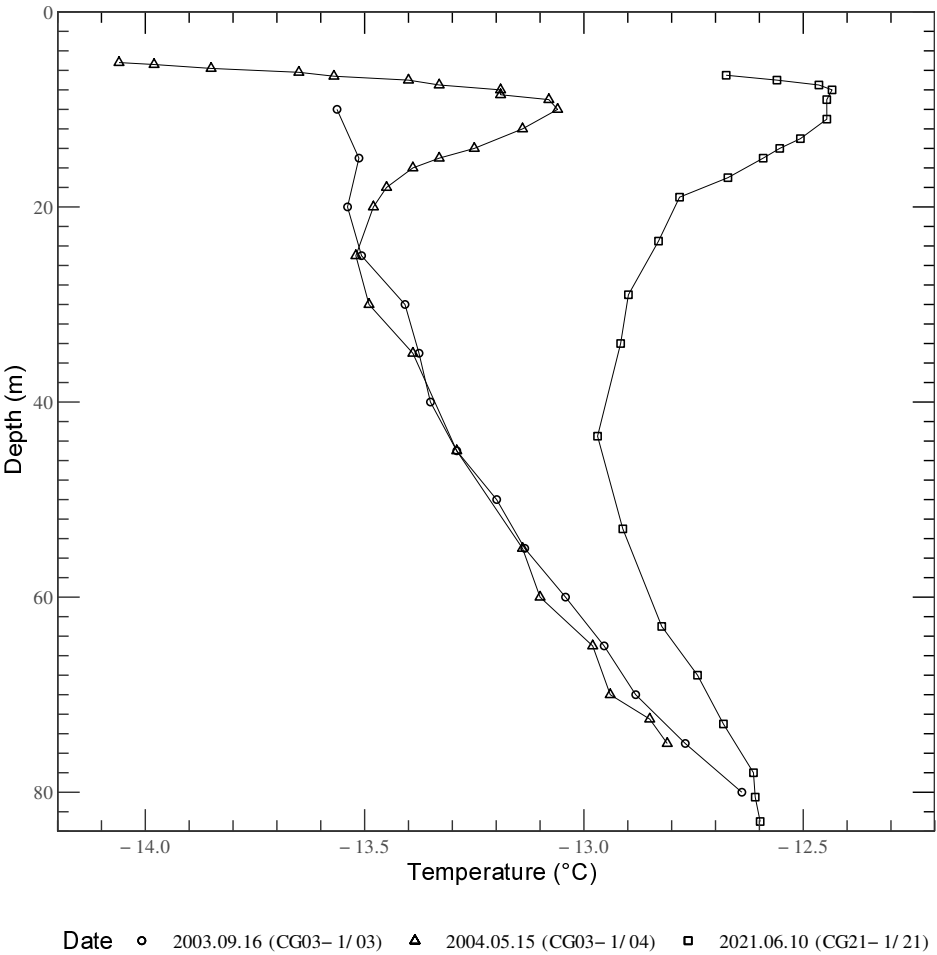


Figure 6.3: Firn temperature profiles at the Colle Gnifetti saddle, measured in 2003 (Hoelzle et al., 2011), 2004 (Hoelzle et al., 2011) and 2021. Boreholes CG03-1/03, CG03-1/04 and CG21-1/21 are located at the same position.

Table 6.2: Colle Gnifetti - Englacial temperature measurements in 2021 in two different boreholes CG18-2/21b and CG21-1/21.

Borehole: CG18-1/21 / CG18-2/21			Borehole: CG21-1/21	
depth (m)	30.03.2021 temperature (°C)	10.06.2021 temperature (°C)	depth (m)	10.06.2021 temperature (°C)
5.4	−12.95		6.5	−12.68
5.67		−13.54	7.0	−12.56
7.4	−12.36		7.5	−12.46
7.67		−12.96	8.0	−12.43
9.4	−12.13		9.0	−12.45
9.67		−12.50	11.0	−12.45
10.4	−12.05		13.0	−12.51
10.67		−12.32	14.0	−12.55
11.4	−12.08		15.0	−12.59
11.67		−12.28	17.0	−12.67
13.4	−12.34		19.0	−12.78
13.67		−12.40	23.5	−12.83
15.4	−12.36		29.0	−12.90
15.67		−12.36	34.0	−12.92
20.4	−12.59		43.5	−12.97
20.67		−12.57	53.0	−12.91
25.4	−12.68		63.0	−12.82
25.67		−12.68	68.0	−12.74
30.4	−12.92		73.0	−12.68
30.67		−12.92	78.0	−12.61
			80.5	−12.61
			83.0	−12.60