	GRIP sensitivity tests				Dome C sensitivity tests				
No.	1	2	3	4	1	2	3	4	5
Section	4.3.	4.3.	4.3.	4.3.	4.3.	4.3.	4.3.	4.3.	4.3.
Figures	Fig. 9	Fig. 9	Fig. 9	Fig. 9	Fig. 10	Fig. 10	Fig. 10	Fig. 10	Fig. 10
Duration	6 months	6 months	6 months	6 months	3 years	3 years	3 years	3 years	3 years
Period	Jan–Jun	Jan–Jun	Jan–Jun	Jan–Jun	Jan 2000–	Jan 2000-	Jan 2000-	Jan 2001-	Jan 2001-
	2000	2000	2000	2000	Dec 2002	Dec 2002	Dec 2002	Dec 2003	Dec 2003
Atmospheric forcing applied									
Air T	-	_	-	-	-	_	_	ERA-Interim	ERA-Interim
Specific humidity	_	-	-	-	-	-	-	ERA-Interim	ERA-Interim
Air pressure	-	_	-	-	-	-	-	ERA-Interim	ERA-Interim
Wind velocity	_	-	-	-	-	-	-	ERA-Interim	ERA-Interim
Snowfall	NO	NO							
$\delta^{18}O_{sf}$	-	-	-	_	-	_	_	-	-
Model configuration									
Initial snow T	Flat profile (241 K)	Flat profile (220 K)	Flat profile (220 K)	1-year run initialization (Jan–Dec 2000)	1-year run initialization (Jan–Dec 2000)				
Evolution of snow T	Constant	Computed	Computed						
Initial snow δ^{18} O	Sinusoidal profile ¹	Sinusoidal profile ¹	Sinusoidal profile ¹	Sinusoidal profile ¹	Sinusoidal profile ²	Sinusoidal profile ²	Sinusoidal profile ²	Sinusoidal profile ²	Sinusoidal profile ²
Wind drift	NO	NO							
Homogeneous compaction	NO	NO							
Mass ratio τ within the grain	1×10^{-6}	5×10^{-4}	3.3×10^{-2}	5×10^{-4}	3.3×10^{-2}				
Period for recrystalli-	15 days	15 days	15 days	2 days	15 days	2 days	15 days	15 days	15 days
zation $\Delta t_{surf/center}$									