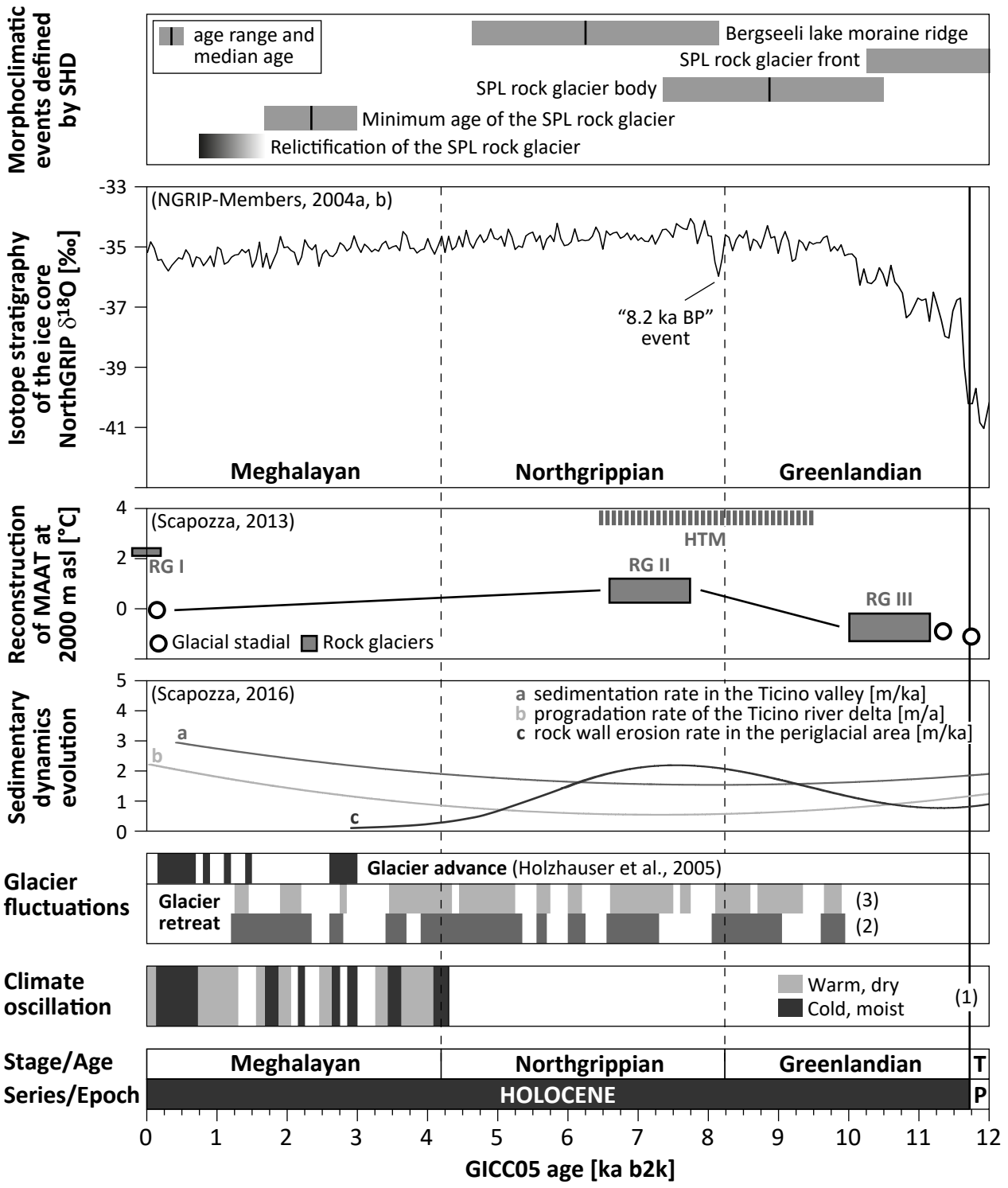
Morphoclimatic events defined by SHD
age range and median age
Bergseeli lake moraine ridge
SPL rock glacier front
SPL rock glacier body
Minimum age of the SPL rock glacier
Relictification of the SPL rock glacier
Isotope stratigraphy of the ice core NorthGRIP δ18O [‰]
(NGRIP-Members, 2004a, b)
-33
-35
-37
-39
-41
"8.2 ka BP" event
Meghalayan
Northgrippian
Greenlandian
Reconstruction of MAAT at 2000 m asl [°C]
(Scapozza, 2013)
HTM
RG I
RG II
RG III
Glacial stadial
Rock glaciers
Sedimentary dynamics evolution
(Scapozza, 2016)
a sedimentation rate in the Ticino valley [m/ka]
b progradation rate of the Ticino river delta [m/a]
c rock wall erosion rate in the periglacial area [m/ka]
Glacier fluctuations
Glacier advance (Holzhauser et al., 2005)
Glacier retreat
(3)
(2)
Climate oscillation
Warm, dry
Cold, moist
(1)
Stage/Age
Meghalayan
Northgrippian
Greenlandian
T
Series/Epoch
HOLOCENE
P
0
1
2
3
4
5
6
7
8
9
10
11
12
GICC05 age [ka b2k]