The Earth’s Dynamic Cryosphere and the Earth System

Supplemental Cryosphere Notes*

1 The Earth System
By Richard S. Williams, Jr.

2 Global Hydrologic Cycle
By Thomas G. Huntington, and Richard S. Williams, Jr.

3 Glaciers
By Richard S. Williams, Jr., Jane G. Ferrigno, Bruce H. Raup, and Jeffrey S. Kargel

4 Global Snow Cover
By Dorothy K. Hall, and David A. Robinson

5 Floating Ice (Sea Ice; Lake Ice and River Ice)
Sea Ice
By Claire L. Parkinson, and Donald J. Cavalieri
Lake Ice and River Ice
By Martin O. Jeffries, Kim Morris, and Claude R. Duguay

6 Permafrost and Periglacial Environments
By J. Alan Heginbottom, Jerry Brown, Ole Humlum, and Harald Svensson

7 Glacier Mass Changes and Their Effect on the Earth System (Sea Level)
By Mark B. Dyurgerov (Deceased, 2009) and Mark F. Meier (Deceased, 2012)

8 Ice Cores, High-Mountain Glaciers, and Climate
By Lonnie G. Thompson

*The 8 Supplemental Cryosphere Notes accompany Plate 1—Earth’s Dynamic Cryosphere

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