Reviews

Overview of China’s Antarctic research progress 1984–2016 ................................................151
CHEN Liqi, LIU Xiaohan, BIAN Lingen, CHEN Bo, HUANG Hongliang, HU Hongqiao, LUO Wei,
SHI Guitao, SHI Jiuxin, XU Chengli, YANG Guang, ZHAO Yue & ZHANG Shaohua

Chinese radioglaciological studies on the Antarctic ice sheet: progress and prospects.........161
CUI Xiangbin, WANG Tiantian, SUN Bo, TANG Xueyuan & GUO Jingxue

Articles

Mechanisms associated with winter intraseasonal extreme sea ice extent in the Weddell
Sea .............................................................................................................................171
Fabio Ullmann Furtado de LIMA & Leila M. V. CARVALHO

Mass change of the Antarctic ice sheet inferred from ICESat and CryoSat-2 .......................185
ZHANG Baojun, WANG Zemin, AN Jiachun & LIU Yanxia

Sea ice classification in the Weddell Sea based on scatterometer data ................................196
GAO Xiang, PANG Xiaoping & JI Qing

Determination of grounding line on the Amery Ice Shelf using Sentinel-1 radar interferometry
data .........................................................................................................................204
LEI Haobo, ZHOU Chunxia & CHEN Yiming

ZHANG Yi & WANG Zhongjun