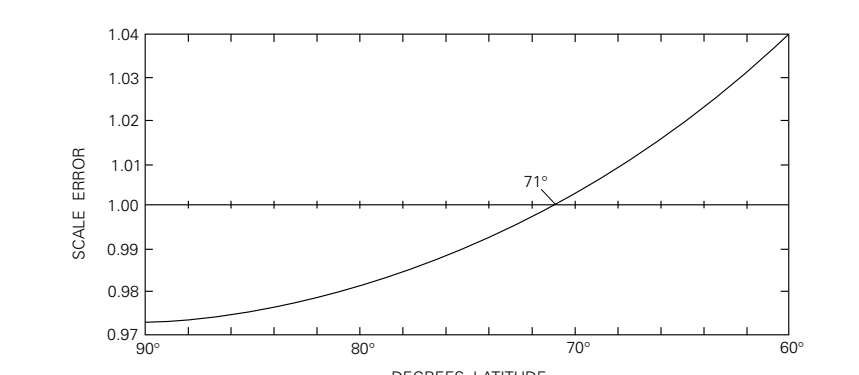


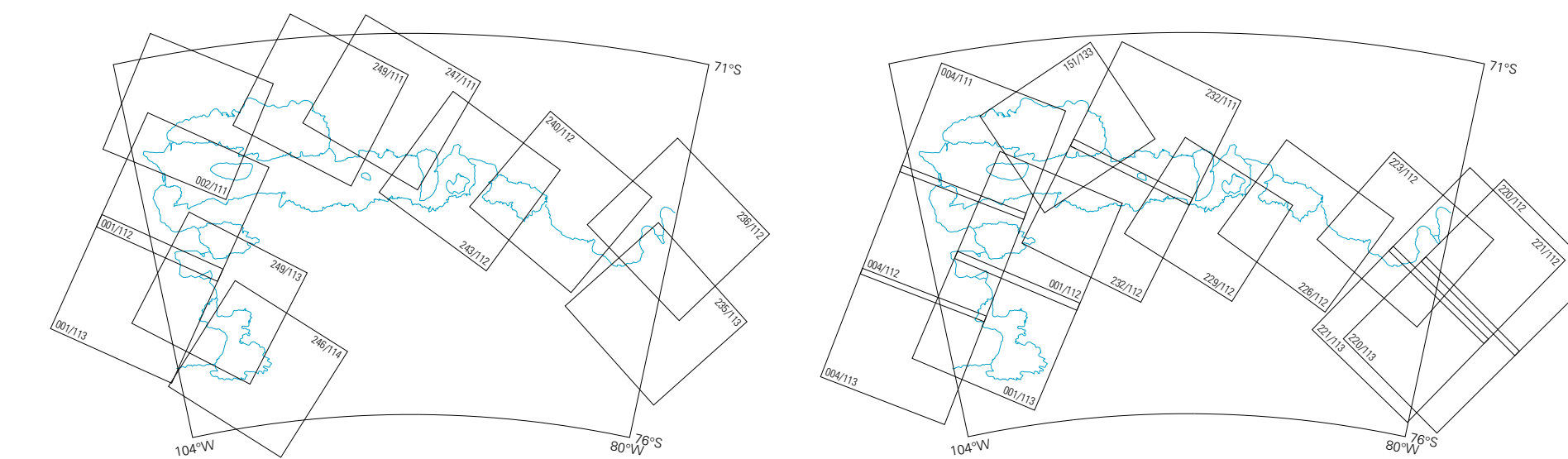
Index map of the planned 24 coastal-change and glaciological maps of Antarctica at 1:1,000,000 scale. Eight Coast area map is shaded.

EXPLANATION

- Ice front—RADARSAT imagery; image acquisition dates: 9 September–20 October 1997
- Ice front—Middle 1980s to early 1990s imagery; date of observation shown
- Ice front—Early 1970s imagery; date of observation shown
- Iceberg tongue—RADARSAT imagery; image acquisition dates: 9 September–20 October 1997
- Iceberg tongue—Middle 1980s to early 1990s imagery; date of observation shown
- Iceberg tongue—Early 1970s imagery; date of observation shown
- Iceberg—Position of iceberg and new ice front on 12 November 2001, formed by the 2001 Pine Island Glacier calving event
- Ice wall—Date of observation shown
- Grounding line—Date of observation shown
- Ice ramp—Within a grounding line and (or) ice wall
- Ice rise—Within a grounding line and (or) ice wall
- Flow line
- Ridge line on ice
- Topographic contour, in meters—Modified from RAMP digital elevation model (Scott Polar Research Center)
- Unnamed outlet glacier or ice stream—Identified by World Glacier Monitoring Service geographic location code (UNV) and by latitude and longitude. See table 2 in pamphlet for description.
- Named outlet or valley glacier or ice stream
- Ice-velocity vector—Number shows ice velocity in kilometers per year (km a⁻¹)



Graph showing scale error of polar stereographic projection with standard parallel at 71°S. Modified from Stevens and Bennett (1986).



INDEX MAP TO LANDSAT 1 AND 2 MSS COVERAGE FROM EARLY 1970s

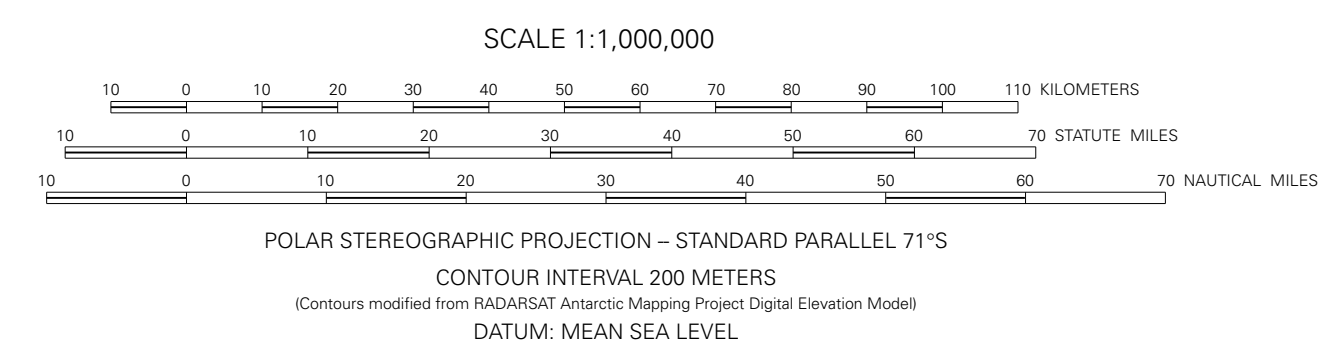
Path/Row	Image No.	Date
001/113	1191-14264	30 Jan 73
001/113	1191-14270	30 Jan 73
002/111	1174-14214	13 Jan 73
230/113	1175-14233	12 Jan 73
230/112	2025-14262	18 Jan 73
240/112	1551-15150	31 Jan 74
240/112	1185-15265	21 Jan 75
240/114	1185-15260	24 Jan 75
240/111	1184-15272	07 Jan 75
240/112	1184-15275	07 Jan 75
240/111	1134-14091	04 Dec 72
240/113	2005-15002	13 Feb 75

INDEX MAP TO LANDSAT 4 AND 5 MSS AND TM COVERAGE FROM MID-1980s TO EARLY 1990s

Path/Row	Image No.	Date
001/112	43206-14102	20 Dec 88
001/112	42347-14232	18 Dec 88
001/112	42347-14234	18 Dec 88
004/112	42720-14422	28 Dec 89
004/112	42720-14424	22 Jan 89
004/112	42800-14424	09 Feb 89
004/112	42816-14441	27 Jan 89
004/112	42800-14420	09 Feb 89
101/102	50284-09090	10 Dec 84
220/112	50718-12512	18 Feb 86
220/112	42720-14232	09 Mar 86
221/112	42384-10323	24 Jan 89
221/112	42384-10325	24 Jan 89
221/112	42384-10321	24 Jan 89
220/112	42306-12023	10 Feb 88
220/112	42306-12021	03 Feb 89
220/111	50547-13059	20 Feb 91
220/112	42148-14223	24 Jan 90
220/112	52547-14000	20 Feb 91

*Used only for velocity measurements.

Maps used in compilation and analysis:
U.S. Geological Survey Antarctica 1:250,000 scale Topographic Reconnaissance Series—Jones Mountains
U.S. Geological Survey 1:500,000-scale Antarctica Sketch Maps—Byrd Coast–Ellsworth Land, Thurston Island–Jones Mountains
Other information sources:
RADARSAT SAR Image Map Mosaic of Antarctica (RADARSAT Antarctic Mapping Project (RAMP), Byrd Polar Research Center, The Ohio State University; see full reference citation in accompanying pamphlet).
Antarctic digital database user's guide and reference manual (British Antarctic Survey and others, 1995; see full reference citation in accompanying pamphlet). This manual accompanies a CD-ROM. The Antarctic Digital Database (ADD) project provides a digital coastline and other cartographic information of Antarctica.
Map projection parameters have been used in accordance with the recommendations of the Working Group on Geodesy and Geographic Information of the Scientific Committee on Antarctic Research (SCAR). The accuracy of topographic features in relation to the latitude and to the satellite observation stations is approximately 1 mm (equals 1 km on the ground).
Image base from RADARSAT Image Mosaic of Antarctica (125-meter pixel).



AUTHOR AFFILIATIONS
¹Scott Polar Research Institute, University of Cambridge, Lensfield Road, Cambridge CB2 1ER, United Kingdom.
²U.S. Geological Survey, 384 Woods Hole Road, Woods Hole, MA 02543-1598.
³U.S. Geological Survey, Reston, VA 20192.
⁴U.S. Geological Survey, 2255 North Central Drive, Flagstaff, AZ 86001-1689.
⁵George Mason University, 4400 University Drive, Fairfax, VA 22030-4444.

COASTAL-CHANGE AND GLACIOLOGICAL MAP OF THE EIGHTS COAST AREA, ANTARCTICA: 1972–2001
By
Charles Swinbank,¹ Richard S. Williams, Jr.,² Jane G. Ferrigno,³ Kevin M. Foley,³ Christine E. Rosanova,⁴ and Lina M. Dailide⁵
2004



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