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*Supplement of*

## **Past ice-sheet behaviour: retreat scenarios and changing controls in the Ross Sea, Antarctica**

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Supplementary Table 1. Multibeam dataset compilation. NBP1502 cruise data were used here with the permission of J.B. Anderson. The remaining Nathaniel B. Palmer (NBP) cruise data were accessed through the Lamont-Doherty Earth Observatory ([marine-geo.org](http://marine-geo.org)) and the Oden data are available at [oden.geo.su.se](http://oden.geo.su.se). Swedish Polar Research = SPR.

<i>Cruise Number</i>	<i>Vessel</i>	<i>Multibeam System</i>	<i>Date</i>	<i>PI</i>
NBP9801	NBP	SeaBeam Instruments 2112	1/16/1998 - 2/18/1998	J.B. Anderson
NBP9802	NBP	SeaBeam Instruments 2112	2/22/1998 - 4/2/1998	S. Honjo
NBP9803	NBP	SeaBeam Instruments 2112	5/1/1998 - 6/17/1998	M. Jeffries/D. Garrison
NBP9807	NBP	SeaBeam Instruments 2112	11/1/1998 - 12/12/1998	R. Dunbar
NBP9901	NBP	SeaBeam Instruments 2112	12/26/1998 - 2/4/1999	M. Jeffries
NBP9902	NBP	SeaBeam Instruments 2112	2/12/1999 - 3/22/1999	J.B. Anderson
NBP9909	NBP	SeaBeam Instruments 2112	12/20/1999 - 2/9/2000	J. Bengtson
NBP0001	NBP	SeaBeam Instruments 2112	2/14/2000 - 3/30/2000	S. Jacobs/T. Kellogg
NBP0209	NBP	Kongsberg EM120	12/11/2002 - 12/30/2002	S. Cande
NBP0301	NBP	Kongsberg EM120	1/5/2003 - 1/29/2003	L. Bartek/B. Luyendyk
NBP0301A	NBP	Kongsberg EM120	2/1/2003 - 2/18/2003	P. Bart
NBP0301B	NBP	Kongsberg EM120	2/20/2003 - 2/22/2003	W. Smith/V. Asper
NBP0302	NBP	Kongsberg EM120	2/24/2003 - 4/4/2003	A. Gordon
NBP0305A	NBP	Kongsberg EM120	12/20/2003 - 12/30/2003	W. Smith
NBP0306	NBP	Kongsberg EM120	1/4/2004 - 1/15/2004	B. Luyendyk/L. Bartek
NBP0401	NBP	Kongsberg EM120	1/19/2004 - 2/17/2004	T. Wilson
NBP0402	NBP	Kongsberg EM120	2/21/2004 - 4/6/2004	M. Visbeck
NBP0408	NBP	Kongsberg EM120	10/12/2004 - 12/6/2004	S. Jacobs
NBP0409	NBP	Kongsberg EM120	12/18/2004 - 1/21/2005	R. Kiene/D. Kieber
NBP0501	NBP	Kongsberg EM120	1/28/2005 - 2/13/2005	A. Gordon
NBP0508	NBP	Kongsberg EM120	10/26/2005 - 12/3/2005	P. Neale
NBP0601	NBP	Kongsberg EM120	12/17/2005 - 1/24/2006	G. DiTullio
NBP0601A	NBP	Kongsberg EM120	1/30/2006 - 2/2/2006	W. Smith
NBP0602	NBP	Kongsberg EM120	1/30/2006 - 2/21/2006	J. Stock
NBP0608	NBP	Kongsberg EM120	11/3/2006 - 12/11/2006	G. DiTullio
NBP0701	NBP	Kongsberg EM120	12/22/2006 - 1/28/2007	S. Cande/P. Castillo
NBP0702	NBP	Kongsberg EM120	2/2/2007 - 3/23/2007	S. Jacobs
OSO0708	<i>Oden</i>	Kongsberg EM122	11/29/2007 - 1/7/2008	SPR Secretariat
NBP0801	NBP	Kongsberg EM120	1/9/2008 - 1/26/2008	D. Caron/B. Huber
NBP0802	NBP	Kongsberg EM120	1/30/2008 - 2/20/2008	D. Caron/P. Bart
NBP0803	NBP	Kongsberg EM120	2/22/2008 - 3/13/2008	P. Bart
NBP1005A	NBP	Kongsberg EM120	1/13/2010 - 1/16/2011	P. Yager
OSO0910	<i>Oden</i>	Kongsberg EM122	2/8/2010 - 3/12/2010	M. Jakobsson/J.B. Anderson
NBP1005	NBP	Kongsberg EM120	11/26/2010 - 1/16/2011	P. Yager
OSO1011	<i>Oden</i>	Kongsberg EM122	12/8/2010 - 1/16/2011	SPR Secretariat
NBP1101	NBP	Kongsberg EM120	1/19/2011 - 2/15/2011	J. Kohut/A. Kutska
NBP1102	NBP	Kongsberg EM120	2/19/2011 - 4/23/2011	J. Swift
NBP1201	NBP	Kongsberg EM120	12/24/2011 - 2/11/2012	D. McGillicuddy
NBP1202	NBP	Kongsberg EM120	2/11/2012 - 2/27/2012	H. Owen
NBP1210	NBP	Kongsberg EM120	1/6/2013 - 2/9/2013	K. Halanych
NBP1302	NBP	Kongsberg EM120	2/12/2013 - 4/5/2013	D. Hansell/X. Yuan/G. Kooyman
NBP1310B	NBP	Kongsberg EM120	12/3/2013 - 1/23/2014	K. Arrigo/R. Aronson
NBP1502A	NBP	Kongsberg EM122	1/23/2015 - 3/20/2015	J.B. Anderson