Supplement of

**CIRCUMGLOBAL ROSSBY WAVE PATTERNS
DURING BOREAL WINTER HIGHLIGHTED BY
WAVENUMBER/PHASE SPEED SPECTRAL
ANALYSIS**

by Jacopo Riboldi*, Efi Rousi, Fabio D'Andrea, Gwendal Rivière, and
François Lott

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CONTENT:

Table S1: list of the 48 CRWP1 events used to compute composites, with the central date of the event (corresponding to the maximum in PC1) and the duration of the event in days.

Table S2: list of the 42 CRWP2 events used to compute composites, with the central date of the event (corresponding to the maximum in PC2) and the duration of the event in days.

CRWP1 events

# Event	Date of $t_{\max}$	Duration [days]
1	1997-01-18	7
2	2005-01-16	10
3	1984-02-08	10
4	1983-01-12	36
5	2018-01-11	26
6	1988-01-27	15
7	1989-01-06	7
8	1990-02-23	14
9	2008-01-02	9
10	2004-12-25	10
11	2013-01-13	36
12	1990-12-23	20
13	1995-01-13	9
14	1996-12-18	15
15	1979-12-19	5
16	2011-02-14	8
17	1980-01-22	10
18	1994-12-19	5
19	2007-01-26	9
20	2017-12-06	9
21	2003-12-18	23
22	1983-12-14	6
23	1991-02-18	7
24	1982-01-19	19
25	1984-12-09	8
26	1998-02-21	8
27	1997-12-31	9
28	1996-02-20	11
29	2016-02-17	15
30	1980-12-01	9
31	1999-01-30	8
32	1997-12-11	6
33	1988-12-17	17
34	1982-12-03	6
35	2002-02-03	6
36	2005-02-03	14
37	1986-01-17	16
38	1994-02-19	9
39	1985-02-15	5
40	2017-02-28	15
41	2017-01-26	5

42	2010-12-11	11
43	2010-12-31	5
44	1989-02-23	5
45	1987-01-20	10
46	2015-12-18	5
47	2013-12-18	11
48	2014-12-29	9

Table S1: list of the 48 CRWP1 events used to compute composites, with the central date of the event (corresponding to the maximum in PC1) and the duration of the event in days.

CRWP2 events

# Event	Date of $t_{\max}$	Duration [days]
1	2019-01-23	46
2	1985-02-15	10
3	1987-02-10	8
4	2009-02-28	29
5	2016-02-15	23
6	1985-12-07	60
7	1994-01-05	11
8	2004-12-23	23
9	2018-01-05	9
10	1988-01-26	61
11	2015-02-19	6
12	2003-12-16	26
13	2015-01-05	23
14	1982-01-23	7
15	2001-02-02	17
16	1997-12-10	6
17	2014-02-15	5
18	2006-12-25	5
19	1994-02-07	15
20	1999-01-02	7
21	1993-12-01	14
22	2007-01-09	12
23	2006-01-15	14
24	1987-01-14	19
25	2002-01-23	5
26	2013-02-17	7
27	2013-12-19	5
28	2006-02-12	5
29	1999-12-05	10
30	2012-12-21	5
31	2018-01-25	9
32	1998-01-23	5
33	2001-01-01	11
34	1990-01-02	13
35	1985-01-22	11
36	2002-02-10	9
37	1995-02-21	5
38	2014-12-21	11
39	2007-02-19	8
40	2013-01-16	5
41	2011-12-03	11

42	1989-01-25	6
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Table S2: list of the 42 CRWP2 events used to compute composites, with the central date of the event (corresponding to the maximum in PC2) and the duration of the event in days.