

## Supplementary Material S3

**Table S3.1** Seasonal average and standard deviation for the AWSs under the region R1 (2013–2018).

	Spring						Summer						Fall						Winter					
	Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR	
AWS	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD
135m_NSN_Pr	18.4	6.7	8.5	4.6	9.9	4.1	28.2	4.4	16.2	3.0	12.0	3.4	17.8	6.9	8.5	5.2	9.3	3.9	6.4	5.5	0.3	4.7	6.0	3.2
2013	19.2	6.9	10.7	3.6	8.6	5.2	27.9	5.2	15.4	3.0	12.5	3.6	17.5	6.3	8.4	4.5	9.1	4.0	5.8	4.8	0.8	4.2	5.0	3.3
2014	18.2	5.2	8.3	3.6	10.0	3.6	26.8	3.7	15.4	2.7	11.4	3.4	17.7	6.3	9.5	5.4	8.2	3.4	8.6	5.8	2.1	5.0	6.5	3.4
2015	17.7	6.6	7.6	4.9	10.1	3.9	29.2	5.0	16.6	3.0	12.6	3.7	17.5	7.3	8.4	5.9	9.1	4.2	6.0	4.2	0.5	3.8	5.5	3.3
2016	17.8	6.5	7.9	4.5	9.9	4.3	27.4	3.9	16.0	2.7	11.4	3.2	17.0	7.4	7.5	5.5	9.4	3.9	6.8	6.3	−0.1	5.2	6.9	3.0
2017	18.7	5.9	8.0	4.3	10.7	3.5	30.2	4.8	16.8	3.6	13.4	3.4	17.4	6.3	8.3	4.2	9.1	3.9	4.6	7.2	−1.9	6.3	6.5	3.3
2018	19.0	9.3	8.6	6.6	10.4	4.2	27.8	3.8	16.9	2.7	10.9	3.2	19.7	7.7	8.8	5.6	10.8	4.2	6.4	4.9	0.6	3.9	5.9	3.2
151m_NSC_G_Pe	18.1	6.8	8.9	4.8	9.1	3.6	28.6	4.5	17.0	3.2	11.6	3.2	20.1	6.6	10.5	4.4	9.6	3.9	5.4	5.1	0.1	4.2	5.3	2.5
2016	17.8	6.7	9.2	4.8	8.7	3.9	27.5	3.9	16.5	2.6	11.0	3.1	17.3	7.5	8.0	5.4	9.4	3.8	6.8	6.4	0.7	5.3	6.0	3.0
2017	16.1	5.5	6.7	3.8	9.4	3.2	31.3	5.3	17.9	3.8	13.4	3.3	21.9	5.4	13.1	2.6	8.8	4.2	3.5	7.7	−2.9	6.7	6.4	3.3
2018	20.2	8.2	10.8	5.7	9.4	3.7	27.2	4.4	16.6	3.0	10.6	3.3	21.1	6.8	10.5	5.2	10.6	3.8	6.0	1.2	2.4	0.8	3.6	1.1
78m_VRB_Pl	18.4	5.9	7.4	4.4	11.0	4.9	26.1	5.5	15.8	3.4	10.3	4.7	16.2	6.5	7.9	5.0	8.3	4.7	6.4	5.0	−0.3	4.2	6.7	3.7
2013	23.0	4.6	10.5	3.4	12.5	4.1	28.8	5.3	15.5	3.0	13.3	3.6	18.0	6.5	7.6	3.9	10.5	4.7	5.1	4.1	−2.1	2.8	7.2	3.6
2014	18.9	5.2	7.1	4.4	11.8	4.7	26.7	4.1	15.4	3.9	11.4	5.0	16.7	6.3	8.8	5.4	7.9	4.5	7.6	6.4	−0.2	5.3	7.8	3.9
2015	18.0	6.8	6.3	5.3	11.8	4.9	22.9	7.0	16.7	3.4	6.2	5.3	14.0	6.8	7.5	5.8	6.5	5.1	5.5	3.9	−0.1	4.0	5.6	3.7
2016	13.6	7.0	5.8	4.4	7.9	6.0													7.4	5.6	1.3	5.0	6.0	3.5
79m_NSC_A	18.7	7.2	7.0	5.0	11.6	4.6	29.7	4.8	15.1	2.7	14.6	4.4	19.4	6.9	7.4	4.9	12.0	5.1	6.0	5.3	−0.5	4.4	6.5	3.7
2013	17.5	8.5	6.3	5.7	11.2	4.8	29.3	5.5	14.4	2.5	14.9	4.3	20.5	5.4	8.5	3.7	12.0	6.0	5.7	3.7	1.1	3.2	4.6	3.1
2014	18.7	5.1	7.6	3.9	11.2	4.4	27.7	3.8	14.6	2.9	13.0	3.9	18.4	6.7	8.3	5.3	10.0	4.4	7.6	5.6	1.0	5.4	6.6	3.9
2015	18.1	6.8	6.4	5.1	11.8	4.5	30.8	5.7	15.3	2.7	15.5	4.8	18.6	7.7	7.3	5.8	11.3	5.6	5.7	4.2	−0.2	3.8	5.9	4.0
2016	18.4	6.5	7.3	4.3	11.1	4.5	28.5	4.3	15.2	2.6	13.3	4.3	17.5	7.8	6.0	5.4	11.5	4.7	6.3	6.0	−1.2	4.6	7.5	3.6

2017	19.2	6.1	6.7	4.5	12.5	4.2	31.3	5.1	15.0	3.1	16.3	4.6	18.3	7.0	6.5	4.1	11.8	5.4	4.5	7.0	-3.3	6.1	7.9	4.1
2018	20.1	10.2	8.0	6.7	12.1	5.2	30.7	4.4	16.2	2.5	14.5	4.2	23.2	6.6	8.0	5.1	15.2	4.6	6.1	5.3	-0.4	3.3	6.5	3.7
80m_NSK_A	19.7	9.9	7.6	6.5	12.1	5.3	30.2	5.4	15.8	3.1	14.4	5.3	19.1	7.4	6.8	5.0	12.4	5.3	6.9	5.0	-0.4	3.6	7.3	3.9
2017							32.3	5.4	15.1	3.3	17.2	5.0	18.0	7.0	6.6	4.3	11.4	5.4	7.6	5.1	0.0	3.3	7.6	3.9
2018	19.7	9.9	7.6	6.5	12.1	5.3	28.1	5.4	16.5	2.8	11.6	5.5	20.3	7.9	7.0	5.7	13.3	5.2	6.1	4.9	-0.8	3.8	6.9	3.8
Total	18.5	6.9	7.9	4.8	10.6	4.4	28.6	4.8	15.9	3.0	12.7	4.0	18.5	6.8	8.2	4.9	10.3	4.5	6.2	5.2	-0.1	4.4	6.3	3.4

**Table S3.2** Seasonal average and standard deviation for the AWSs under the region R2 (2013–2018).

	Spring						Summer						Fall						Winter					
	Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR	
AWS	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD
119m_SLj_A	18.3	6.6	5.7	4.9	12.6	4.8	28.1	4.0	14.5	2.8	13.5	3.9	16.9	7.2	6.3	5.2	10.6	5.1	5.1	5.0	-1.9	4.8	7.0	3.8
2014	19.2	4.7	6.4	4.0	12.8	4.7	26.7	3.6	13.5	3.2	13.2	4.0	18.0	7.1	7.8	5.3	10.2	5.2	6.1	5.0	-0.7	5.4	6.9	3.7
2015	17.4	6.2	5.0	5.0	12.4	4.7	29.1	5.2	14.9	2.7	14.1	4.7	17.4	7.4	6.3	5.6	11.1	5.5	5.1	3.8	-0.9	4.2	6.0	3.9
2016	17.8	6.3	5.7	4.3	12.1	4.8	27.0	3.5	14.3	2.6	12.8	3.6	16.1	7.5	5.3	5.6	10.7	4.6	5.3	5.4	-2.2	4.8	7.5	3.7
2017	18.5	6.0	5.3	4.3	13.2	4.7	29.7	4.3	14.1	3.2	15.6	4.0	16.3	6.6	5.8	4.4	10.5	5.1	3.9	6.2	-4.1	5.9	8.0	4.1
2018	18.8	9.7	6.3	6.9	12.5	5.1	27.7	3.5	15.9	2.4	11.8	3.2							5.1	4.7	-1.4	3.9	6.5	3.6
74m_SEK_G_A	18.0	7.0	6.4	5.5	11.5	4.6	29.5	4.5	14.9	3.3	14.6	4.2	17.8	7.2	6.9	5.1	10.9	4.8	5.4	4.9	-1.4	4.4	6.8	3.6
2013	15.3	8.5	7.3	7.4	8.0	4.7	29.7	5.2	14.2	3.1	15.5	4.4	17.9	6.3	6.8	4.2	11.1	5.0	5.3	4.3	-1.2	3.7	6.5	4.1
2014	18.9	5.1	6.8	4.0	12.1	4.6	27.9	4.0	13.8	3.4	14.2	4.3	17.6	6.6	8.5	5.4	9.1	4.1	7.4	5.1	0.3	4.6	7.1	3.5
2015	18.0	6.4	5.3	5.1	12.7	4.6	30.5	5.4	15.5	3.3	15.1	4.5	17.4	7.5	6.9	6.0	10.5	5.2	5.4	3.7	-0.4	4.0	5.8	3.6
2016	18.2	6.3	6.3	4.5	11.9	4.6	28.3	3.9	14.9	3.3	13.4	3.8	16.8	8.0	5.7	5.4	11.1	4.8	5.3	5.5	-1.8	4.5	7.1	3.5
2017	18.5	6.2	5.9	4.7	12.7	4.5	31.1	4.8	15.1	3.7	16.0	4.4	17.3	6.8	6.2	4.5	11.1	4.9	4.2	6.1	-3.6	5.5	7.8	3.8
2018	19.1	9.7	7.2	7.1	11.8	4.8	29.3	3.7	15.9	3.0	13.4	3.8	19.7	7.7	7.0	5.4	12.7	4.8	5.1	4.4	-1.5	4.1	6.6	2.9
91m_SBV_Pe	18.2	8.0	6.3	5.1	11.9	5.4	29.8	4.9	14.9	4.0	14.9	5.2	17.2	7.7	6.1	5.1	11.2	6.1	4.6	5.4	-2.1	4.8	6.8	3.6
2016	18.0	7.0	6.5	4.3	11.5	5.2	28.8	4.3	14.1	3.6	14.7	4.4	16.4	8.0	5.3	5.8	11.1	6.2	5.2	5.8	-1.4	4.6	6.6	3.9
2017	18.5	6.6	5.8	4.0	12.7	5.3	31.2	5.5	14.9	5.3	16.3	5.7	16.0	7.0	6.4	4.5	9.6	5.9	3.9	6.0	-3.7	5.8	7.6	4.1
2018	18.2	10.4	6.8	7.0	11.4	5.6	29.4	4.8	15.8	3.1	13.6	5.4	19.3	8.3	6.6	5.1	12.7	6.2	4.8	4.5	-1.3	4.0	6.1	2.9
91m_SOR_A	18.4	7.1	5.9	5.2	12.5	4.8	29.6	4.6	14.2	3.1	15.4	4.3	17.9	7.1	6.2	5.0	11.7	5.0	5.5	4.7	-1.5	4.3	7.0	3.6

2013	16.6	8.4	5.3	5.9	11.3	4.9	29.5	5.3	13.6	3.2	15.9	4.7	17.7	6.3	6.5	3.9	11.2	5.0	4.9	3.7	-1.4	3.2	6.3	3.3
2014	18.7	5.0	6.1	4.4	12.7	4.7	27.6	3.9	13.5	3.3	14.1	4.1	17.9	6.6	7.7	5.0	10.2	4.5	7.2	5.3	-0.2	4.9	7.3	3.6
2015	18.3	6.5	5.1	5.2	13.1	4.9	30.7	5.5	14.6	3.0	16.1	4.8	17.7	7.3	6.0	5.6	11.7	5.3	5.4	3.8	-0.5	4.0	6.0	3.7
2016	18.4	6.8	6.0	4.4	12.4	5.0	29.2	4.1	14.0	3.0	15.1	4.2	17.1	7.9	5.1	5.6	11.9	5.1	5.7	5.3	-1.9	4.2	7.7	3.7
2017	19.0	6.1	5.9	4.5	13.0	4.2	31.1	4.8	13.9	3.5	17.2	4.2	17.3	6.7	5.6	4.4	11.7	5.2	4.8	5.9	-3.3	5.7	8.1	3.8
2018	19.6	10.0	7.2	6.9	12.4	4.8	29.5	3.8	15.6	2.9	13.9	3.9	19.6	7.7	6.3	5.2	13.3	5.0	5.1	4.4	-1.4	4.1	6.5	3.2
Grand Total	18.2	7.1	6.1	5.2	12.1	4.8	29.2	4.5	14.6	3.2	14.6	4.3	17.5	7.3	6.4	5.1	11.1	5.3	5.3	4.9	-1.6	4.6	6.9	3.6

**Table S3.3** Seasonal average and standard deviation for the AWSs under the region R3 (2013–2016).

	Spring						Summer						Fall						Winter					
	Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR		Tmax		Tmin		DTR	
AWS	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD	av	SD
127m_PBK_A	16.5	7.0	8.4	5.4	8.1	5.1	27.9	5.1	16.7	3.4	11.1	4.8	16.6	7.1	9.2	6.2	7.3	4.9	6.7	5.3	0.9	4.7	5.8	3.4
2013.0	14.1	9.6	7.6	7.8	6.5	4.8	27.6	6.2	15.4	3.1	12.2	5.7	18.2	6.2	10.4	5.4	7.7	6.8	5.9	4.4	0.7	3.4	5.3	3.1
2014.0	17.1	5.3	9.9	5.0	7.2	4.9	26.2	5.3	19.5	4.9	6.7	5.9	13.2	6.4	9.9	6.6	3.4	2.9	8.4	5.8	2.0	4.5	6.4	3.9
2015.0	17.1	6.6	7.5	5.0	9.6	5.5	30.7	5.4	16.5	2.9	14.1	4.4	18.2	8.5	9.9	7.2	8.2	5.5	5.5	4.8	0.9	5.1	4.6	3.5
2016.0	17.7	6.6	8.8	3.9	8.9	5.3	27.0	3.5	15.5	2.7	11.4	3.4	16.7	7.3	6.7	5.5	10.0	4.2	7.0	6.0	0.1	5.8	6.9	3.2
80m_BCT_G_A	20.0	6.5	6.1	4.9	13.9	5.6	30.5	4.7	14.5	3.2	16.0	4.7	18.6	7.9	6.7	6.5	11.9	6.0	6.2	5.6	-0.2	5.2	6.3	4.6
2015.0	20.7	6.2	6.6	4.8	14.1	5.4	31.4	5.1	14.4	3.1	17.0	4.8	18.5	8.0	7.2	7.1	11.3	5.9	6.2	4.3	0.9	3.1	5.3	4.9
2016.0	19.4	6.7	5.6	4.9	13.8	5.8	29.7	4.2	14.6	3.3	15.0	4.6	18.7	7.8	6.3	5.8	12.5	6.0	6.2	6.9	-1.2	7.2	7.4	4.3
82m_CRC_PI	18.9	7.0	6.3	4.8	12.6	5.4	30.1	4.6	14.5	3.5	15.7	4.8	18.6	7.4	7.5	5.4	11.2	5.1	7.1	5.3	-0.5	4.8	7.6	3.9
2013.0	18.8	8.8	6.8	5.6	12.1	5.6	30.6	5.7	13.7	5.0	16.9	6.8	19.2	6.6	6.9	4.4	12.3	5.4	6.3	4.2	-0.6	3.9	7.0	3.6
2014.0	19.2	5.5	6.9	4.4	12.3	5.0	28.7	3.6	14.3	2.9	14.4	4.0	18.5	6.9	9.0	5.4	9.5	4.6	8.8	5.5	0.4	4.8	8.4	4.4
2015.0	18.4	7.2	5.7	5.0	12.7	5.4	31.5	5.1	15.9	3.4	15.7	4.0	18.9	8.1	8.6	6.4	10.2	4.9	6.5	4.8	-0.7	4.9	7.2	4.1
2016.0	19.2	6.5	5.9	4.4	13.3	5.5	29.7	4.1	14.1	2.9	15.6	4.4	17.9	8.2	5.2	5.5	12.7	5.4	6.8	6.5	-1.2	5.5	8.0	3.6
Grand Total	18.2	6.9	7.1	5.1	11.0	5.3	29.3	4.8	15.4	3.4	13.9	4.8	17.8	7.4	8.0	5.9	9.8	5.2	6.8	5.3	0.1	4.8	6.6	3.8

**Table S3.4** Seasonal average and standard deviation for the AWSs under the region R4 (2013–2018).



125m_SMD_A	19.0	7.9	7.5	5.3	11.4	5.6	27.9	5.2	17.2	4.0	10.7	5.6	16.3	6.9	6.7	5.6	9.6	5.6	5.9	5.5	-1.2	5.2	7.1	4.1
2015	18.6	7.3	7.8	5.2	10.8	6.0	27.7	5.6	18.3	5.6	9.4	6.4	15.7	8.5	6.6	7.2	9.1	6.4	6.8	4.5	0.9	4.4	5.9	4.6
2016	17.9	8.3	7.3	4.5	10.6	6.0	25.2	4.7	16.5	3.7	8.7	5.4	12.4	4.2	5.5	4.8	6.9	5.0	6.6	5.7	-1.1	5.4	7.8	4.0
2017	17.7	4.7	5.0	3.5	12.7	4.2	28.9	7.0	16.6	3.8	12.3	6.3	17.1	6.9	7.5	5.1	9.6	5.6	4.3	6.8	-3.6	6.4	7.9	4.1
2018	21.6	11.2	10.1	8.2	11.5	6.1	29.7	3.7	17.3	3.1	12.4	4.5	19.9	7.9	7.2	5.0	12.6	5.5	5.8	4.9	-0.8	4.6	6.6	3.8
145m_RNS_G_Pe	17.5	6.1	6.7	3.8	10.7	4.8	30.7	4.4	16.5	2.5	14.2	3.7	18.4	8.1	7.0	5.9	11.4	4.6	5.0	6.8	-2.5	5.1	7.4	4.1
2016	19.6	6.9	7.9	4.2	11.7	4.8	30.7	4.4	16.5	2.5	14.2	3.7	18.4	8.1	7.0	5.9	11.4	4.6	6.6	6.2	-0.7	4.5	7.3	3.9
2017	15.3	5.3	5.6	3.4	9.8	4.7													3.4	7.3	-4.2	5.8	7.6	4.2
94m_SMK_G_Pr	18.6	7.3	7.8	5.0	10.8	4.4	29.2	4.4	16.1	3.0	13.1	3.6	18.2	7.4	7.6	5.1	10.7	4.6	6.1	5.7	-0.2	4.6	6.3	3.3
2015	17.8	6.7	7.2	4.7	10.6	4.2	29.7	4.9	16.4	3.1	13.3	3.7	17.9	7.4	7.9	5.7	10.0	4.5	8.2	5.3	2.9	4.1	5.3	3.7
2016	18.2	6.9	7.5	4.2	10.6	4.9	28.2	3.9	15.6	2.9	12.6	3.6	17.2	7.7	6.8	5.4	10.5	4.4	6.4	5.8	-0.7	4.6	7.1	3.2
2017	18.9	6.2	7.8	4.4	11.2	4.2	30.5	4.6	16.1	3.4	14.3	3.5	17.5	6.6	7.4	4.2	10.1	4.5	4.4	7.1	-2.8	5.9	7.2	3.6
2018	19.4	9.3	8.6	6.6	10.8	4.4	28.5	4.2	16.4	2.6	12.2	3.8	20.2	8.0	8.1	5.1	12.0	5.0	5.5	4.5	-0.2	3.7	5.8	2.8
Grand Total	18.5	7.3	7.5	4.9	11.0	4.9	29.3	4.7	16.6	3.2	12.7	4.3	17.4	7.3	7.1	5.4	10.3	5.1	5.8	5.8	-1.0	4.9	6.8	3.8