Electronic Supplementary Material to:
Specific Relationship between the Surface Air Temperature and the Area of the Terra Nova Bay Polynya, Antarctica

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Fig. S1. The time series of the polynya area (km²) in the entire period of April to August during 2005–15.

Fig. S2. The monthly averaged polynya area (km²) in the period of April to August during 2005–15.

* The online version of this article can be found at https://doi.org/10.1007/s00376-020-9146-2.
Table 1. The total amounts of daily reanalysis data and observations in the period of April to August during 2005−15.

<table>
<thead>
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<th>Variables</th>
<th>ERA5 reanalysis</th>
<th>ERA-Interim reanalysis</th>
<th>Eneide AWS</th>
<th>Rita AWS</th>
<th>Manuela AWS</th>
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</table>

*The amount of SIC data used for TNBP area estimation is 1639.

Fig. S3. The observed air temperature plotted versus the observed eastward and northward wind speed based on observations from the (a) Eneide, (b) Rita, and (c) Manuela AWSs.