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Drill Tents

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Efficient operation of drill equipment in the field can quickly be thwarted by bad weather. A structure to protect equipment and operators during poor weather conditions can significantly reduce the amount of down time during expeditions. However, structures are often a logistical burden and time consuming to erect. A lightweight tent, designed in collaboration with Fabricon, LLC, was successfully deployed to Antarctica during the 2018-2019 field season with the IDP Blue Ice Drill. The tent, weighing a total of 97 kg, withstood winds of approximately 50 knots. The tent was constructed simultaneously with the drill system and took approximately eight hours to complete. This poster presents details of the structure as well as adaptations to the tent that will allow it to be implemented with many of the U.S Ice Drilling Program's suite of drills.

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