

Abstract Submitted
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Prototype Development for an Air Cherenkov Array at the South Pole MATTHIAS PLUM, ANNA ABADSANTOS, ANTONIO BANDA, AINE GRADY, SEAN MCLAUGHLIN, LARISSA PAUL, KAREN ANDEEN, Marquette Univ, ICECUBE COLLABORATION — IceAct is a proposed array of small and cost effective Imaging Air Cherenkov Telescopes situated at the IceCube Observatory at the South Pole. Since January 2019, two prototype IceAct telescopes have been taking data during the South Pole winters. Two years of data-taking experience has taught us much about how these telescopes perform in the harsh South Pole environment. Here we will detail the lessons-learned and ongoing research and development efforts to update these prototypes for future Polar seasons.

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