

McMurdo events during the 2018-19 Operating Season

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The NPP meteorology team supporting USAP saw several significant weather events that 2018-19 operating season which challenged the forecasting team; but of note were three distinct scenarios that impacted the McMurdo region. The first was a series of lows that came to be known as the 14-day storm that delayed Mainbody operations for over 2 weeks. The second was a low-pressure system that moved through the McMurdo region at the beginning of December that was under forecasted by numerical weather prediction systems in the short-term. Finally, significant longwave ridging from the grid NNE (oriented along the 20degW longitude) brought unique weather to the McMurdo region, as well as the South Pole.