

SEMINAR

The complex behavior of the 2015/2016 El Niño winter

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Abstract

This talk will examine the outstanding characteristics of the strong 2015-2016 El Niño (EN) winter, with particular attention to the polar stratosphere, potential polar stratospheric ozone effects and the EN impact over the European region. Despite being classified as a strong eastern Pacific (EP) EN event, this event showed an anomalous behavior with some signatures that are typical of central Pacific (CP) EN winters instead. They include (i) record-breaking value of the CP index, (ii) a stronger polar vortex in early and midwinter, due to reduced upward wave activity and a weakened Aleutian low, and (iii) the occurrence of one of the earliest stratospheric final warmings on record, which are more prone to occur during CP-EN.

Date: Monday, September 11, 2017
Time: Refreshments 3:15pm, Seminar 3:30pm
NCAR Foothills Laboratory
3450 Mitchell Lane, Boulder, CO 80301
FL2-1022, Large Auditorium
Live webcast: <http://ucarconnect.ucar.edu/live>

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