

DEEPWAVE Education & Outreach

Alison Rockwell
EOL Education & Outreach Coordinator



Yale University



Community & School Visits

Primary - Secondary Public School Calendar 2014

Term 1

27 Jan - 17 April

Term 2

5 May - 4 July*

Term 3

21 July - 26 Sept

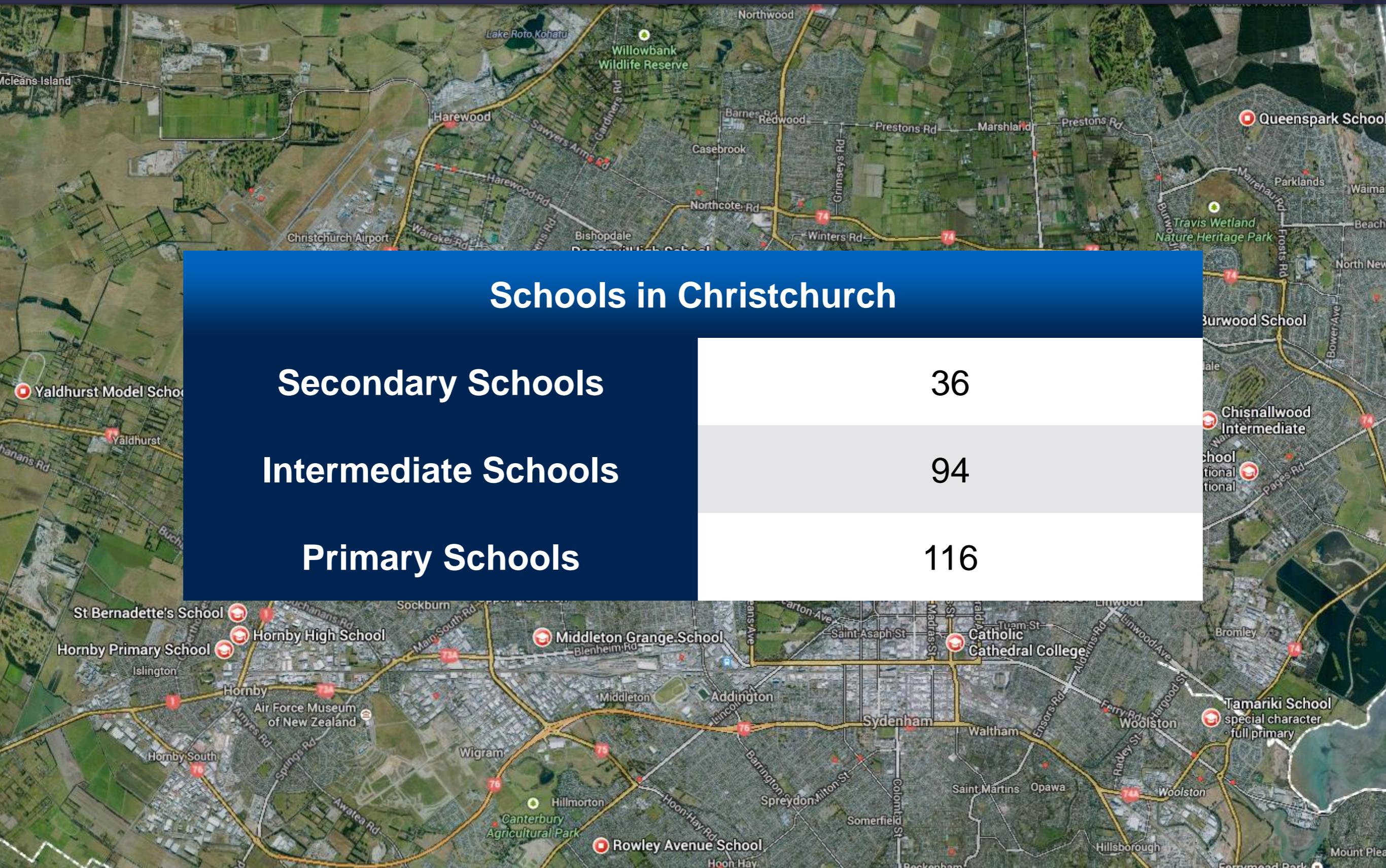
Term 4

13 Oct - 19 Dec

EO Coordinator on location for 2 weeks = 10 school days

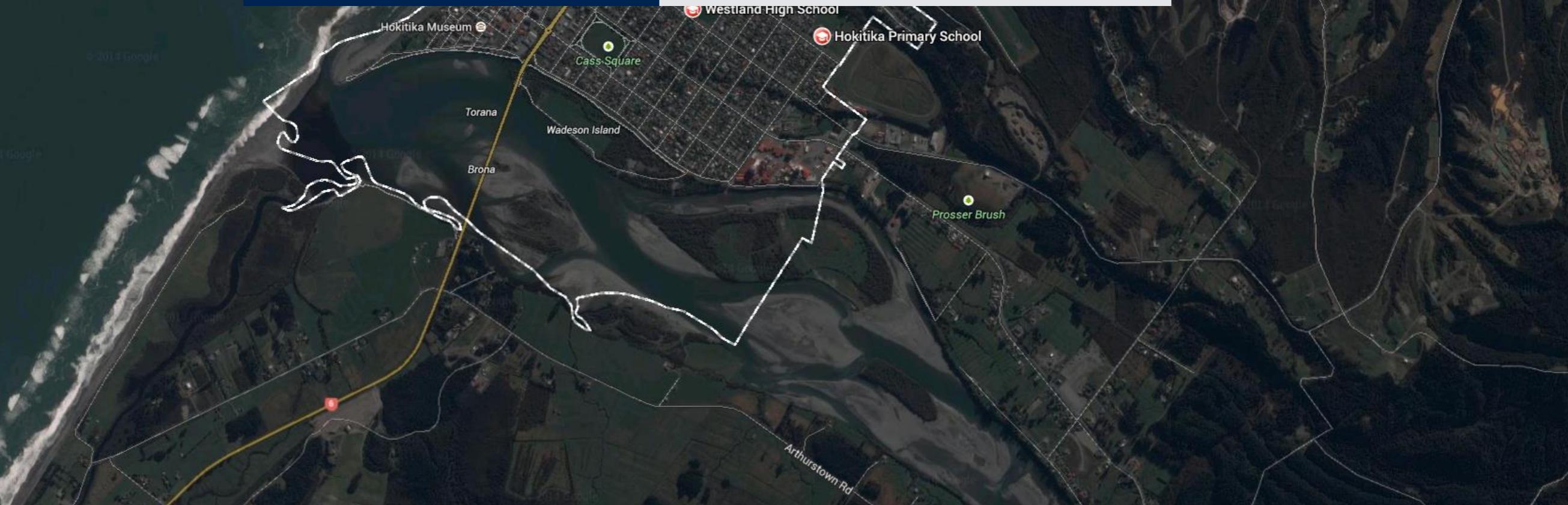


Schools Near Christchurch



Schools Near ISS Site

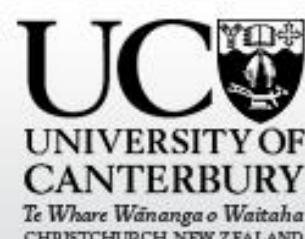
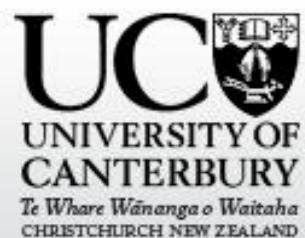
Hokitika Schools	
High School	1
Primary	1



Public Open House & Media Event



University Student Involvement



Centre for Atmospheric
Research



Civil and Natural Resources
Engineering



Solve.



Discover.



Internet-based Outreach

CONTRAST EDUCATION & OUTREACH

Quick Questions for CONTRAST PIs

CONTRAST Science Team

CONTRAST HIAPER Payload

CONTRAST PI Relevant Publications

Follow the NSF/NCAR HIAPER in Real Time 

CONTRAST Educational Resources

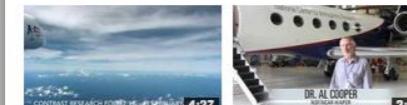
CONTRAST in the News



NCAREOL

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CONTRAST 2014



[CONTRAST Research Flight 11](#)

by NCAREOL 322 views



[LAOF :: NSF/NCAR HIAPER](#)

by NCAREOL 91 views

NSF/NCAR GV



[NS/NCAR Gulfstream V :: Atmospheric Research](#)

by NCAREOL 2,559 views



[Thunderstorms Affect Air Pollution](#)

by InsideScienceTV 488 views



[GV \(HIAPER\) Dropsonde Launch](#)

by NCAREOL 1,563 views



[GV - New Frontiers in Atmospheric Science](#)

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[Introducing HIAPER - the NSF/NCAR Gulfstream V ...](#)

by AtmosNews :: NCAR & UCAR Science on YouTube 13,931 views



[Arrival of the N V \(HIAPER\)](#)

by NCAREOL 1,2



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thunderstorms in ozone production | An NSF funded project

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Exemplifying Experiential Education

Posted on [July 2, 2012](#)

An undergraduate course was taught at University of North Dakota by Dr. Gretchen Mullendore during Spring 2012 titled *Forecasting/verification of convective regimes for the Deep Convective Clouds and Chemistry (DC3) field campaign*. The course examined the objectives and motivation of the DC3 field campaign, and included discussions about particular challenges involved in making chemical transport measurements as well as hands-on forecasting exercises for all three DC3 regions.

Six UND undergraduate students traveled to University of Alabama, Huntsville, to work with UND graduate student Brandon Bigelbach and the DC3 UAH team, headed by Dr. Larry Carey. During the campaign, a hands-on forecasting internship was also held at UND, led by Dr. Jeff Tilley, that gave both graduate and undergraduate students a chance to do forecasting for the campaign and listen in on live forecast discussion.

Now that the course, and the project, are over, the students had time to reflect on their experience and the comment on the positive impact that amazing experiential educational opportunity will have to their education and overall career path.

LEARN MORE ABOUT DC3
[www.eol.ucar.edu/dc3/outreach](#)

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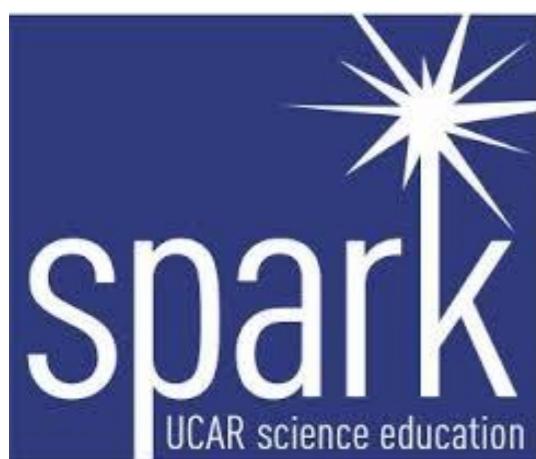


Like this

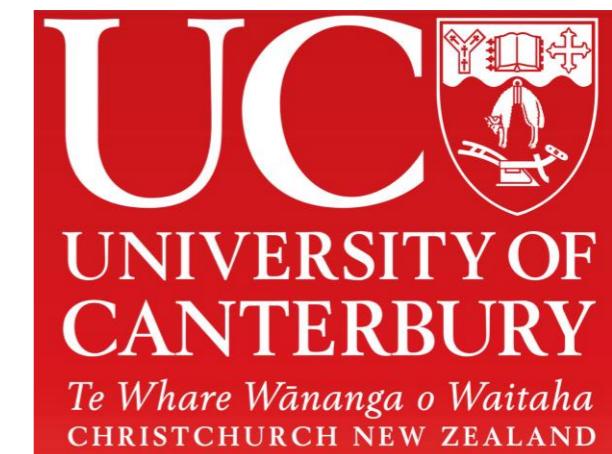
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Educational Collaborations



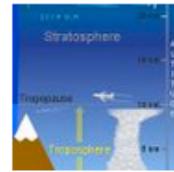
Yale University



Teacher Workshop*

UCAR SCIENCE EDUCATION | SPARK (K-12)

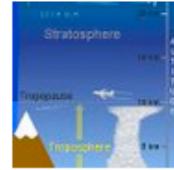
The Troposphere - Overview



The troposphere is the lowest layer of Earth's atmosphere. Most of the mass (about 75-80%) of the atmosphere is in the troposphere. Most types of clouds are found in the troposphere, and almost all weather occurs within this layer.

[>> Read more](#)

The Stratosphere - Overview



The stratosphere is a layer of Earth's atmosphere. It is the second layer of the atmosphere as you go upward. The troposphere, the lowest layer, is right below the stratosphere. The next higher layer above the stratosphere is the mesosphere.

[>> Read more](#)

Clouds and How They Form

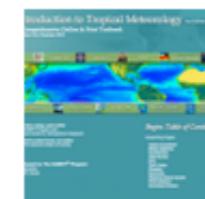


Clouds are made of water droplets or ice crystals that are so small and light they are able to stay in the air. But how does the water and ice that makes up clouds get into the sky? And why do different types of clouds form?

[>> Read more](#)

UCAR METED (ADVANCED & FREE LOGIN REQUIRED)

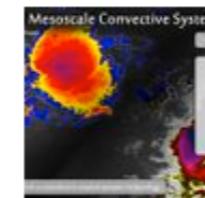
Introduction to Tropical Meteorology



This online textbook is a comprehensive resource for Tropical Meteorology. It is intended for use by undergraduate and early graduate students in Tropical Meteorology courses, forecasters, and others interested in the impacts of tropical weather and climate.

[>> Read more](#)

Tropical Mesoscale Convective Systems



A Mesoscale Convective System (MCS) is an organized group of thunderstorms that produces a contiguous precipitation area measuring 100 km or more in at least one direction. This system grows upscale from convective towers [...]

[>> Read more](#)





Questions?