

# *COAA S'COOL Student Summer Camp 2001*

*Shi-Keng Yang*  
*COAA S'COOL Committee*

*24th CERES Science Team Meeting*  
*Newport News, VA*  
*5/1~3/01*

**COAA Announcement**      <http://coaaweb.org/>

In cooperation with the Dept. of Meteorology at the University of Maryland and personnel from NASA Langley Research Center, NASA Goddard Space Flight Center and NOAA, COAA will present an educational program entitled "COAA S'COOL Student Camp, 2001". The objective of the Camp is to inspire interests in earth sciences to the middle and high school students.

The activities include a series of lectures on the fundamentals of earth oceanic and atmospheric sciences, hands-on activities and visits to NASA and NOAA facilities. Lectures are designed to be concise and comprehensive. All of the presenters view this as a community service, as most of them volunteer their own time and resources for this endeavor.

**Date:** July 9<sup>th</sup>-13<sup>th</sup>, 2001

**Program:** the tentative program is attached

**Admission:** Free; Advanced notification is required as some presentations are in Chinese.

**Location:** July 9<sup>th</sup> at GSFC Visitor Center at Greenbelt, MD

July 10<sup>th</sup> ~13<sup>th</sup> at the Space Sciences Building, UMD, College Park, MD

**Directions:**

GSFC Visitor Center:

<http://pao.gsfc.nasa.gov/gsfcc/welcome/gsfccmap/gsfccmap.htm>

UMD Campus:

[http://www.inform.umd.edu/CampusInfo/About\\_UMCP/Maps/northwest.html](http://www.inform.umd.edu/CampusInfo/About_UMCP/Maps/northwest.html).

Dept. of Meteorology map: <http://meto.umd.edu/Directions.html>.

**Transportation:** please arrange your own transportation for the NASA tour and the NOAA tour .

**Lunch:** on your own

**Contact:**

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Monday 7/9

Tuesday 7/10

Wednesday 7/11

Thursday 7/12

Friday 7/13

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**COAA S'COOL Student Summer Camp 2001**

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Monday 7/9	Tuesday 7/10	Wednesday 7/11	Thursday 7/12	Friday 7/13
7/9 at <b>GSFC</b> Visitor Ctr.	7/10 at <b>UMCP</b>	7/11 at <b>UMCP</b>	7/12 at <b>UMCP</b>	7/13 at <b>UMCP</b>
9:00 -9:15 AM <b>Welcome</b> (COAA Chairman Tony Liu) Introduction (Shi-Keng Yang)	<b>Water weather &amp; Climate</b> (Chair: Chung-Lin Shie)  8:30-9:20 AM Aerosol & Ozone Hole (Allen Chu)	<b>S'COOL Day</b> (Chair: Lin Chambers)  8:30 AM - 2:30 PM Introduction to CERES and S'COOL	<b>Weather and Forecasts</b> (Chair: Henry Juang)  8:30-9:20 AM How meteorological observation data are used in making weather forecasts ? (Tsann-Wang Yu)	<b>Our Living Environment</b> (Chair; Shi-Keng Yang)  8:30-9:20 AM Air pollution (Sarah Lu)
<b>Fundamental of Earth Science</b> (Chair: Ben Chao)	9:30-10:20 AM A walk in cloud (Ruei-Fong Lin)	How we use S'COOL data	9:30-10:20 AM Computer and Numerical Modeling (Henry Juang)	9:30-10:20 AM Natural Disaster (William Tseng)
9:15 -10:00 AM The Planet beneath us. (Ben Chao)	10:30-11:20 AM A multi-media talk (David Herring)	How you can use S'COOL data	10:30-11:20 AM Ocean model and Analysis (Bohua Huang)	10:30-11:20 AM Cumulus, Thermal, Eagle and Balloon (Shi-Keng Yang)
10:15 AM-11:00 AM Satellite Remote Sensing of the Earth (Jim Shiue)	11:30 AM-12:20 PM Disastrous weather or unselfish atmosphere:let's take a look at tornados, thunderstorms, typhoons, and hurricanes (Chung-Lin Shie)	Hands-on activities (Lin Chambers & Doug Stoddard)	11:30 AM-12:20 PM Tahn Tien (Tiros Lee)	11:30 AM-12:20 PM Review (T Liu, S-K Yang, W Chen, C-H Sui, C-L Shie, B. Chao)
11:10 AM- 1:00 PM Goddard Tour	12:20 PM - 1:30 PM Lunch		12:20-2:00 PM Lunch and trip to SSMC	Adjourn
1:00-2:00 PM Picnic lunch @ visitor ctr	1:30 PM- 2:20 PM What is the most important element influencing Earth climate? and why? (Chung-Hsiung Sui)		2:00-4:30 PM Tour NOAA SSMC (Chung-Sheng Wu & Jye Chen)	
2:00 - 3:00 PM E-theater (Fritz Hasler & Chung-Lin Shie)	(2:20 PM - 4:30 PM Reserved time for Patuxant Nature Ctr.)			
3:15-4:00 PM Going fishing, playing soccer on nice days? What a ceaseless wind can also do to you? (Wilbur Chen)				
	UM logistics: Lung-Wen Chen Chian-Yi Liu:	UM logistics: Lung-Wen Chen Chian-Yi Liu:	UM logistics: Lung-Wen Chen Chian-Yi Liu:	UM logistics: Lung-Wen Chen Chian-Yi Liu: