

UNL National Weather Camp

June 9-13, 2014



Monday, June 9



Greeting the Weather Campers



N Welcome to the **N**
UNL WEATHER CAMP

N
EMMA
OY'S
WEATHERING
THE STORM

N
MADDY
OY'S
WEATHERING
THE STORM

N
MOLLIE
OY'S
WEATHERING
THE STORM

N
KELLY
OY'S
WEATHERING
THE STORM

N
EMILY
OY'S
WEATHERING
THE STORM

N
DAVID
OY'S
WEATHERING
THE STORM

N
GRACE
OY'S
WEATHERING
THE STORM

N
DALYON
OY'S
WEATHERING
THE STORM

N
HANNA
OY'S
WEATHERING
THE STORM

N
TREVOR
OY'S
WEATHERING
THE STORM

N
NICAH
OY'S
WEATHERING
THE STORM

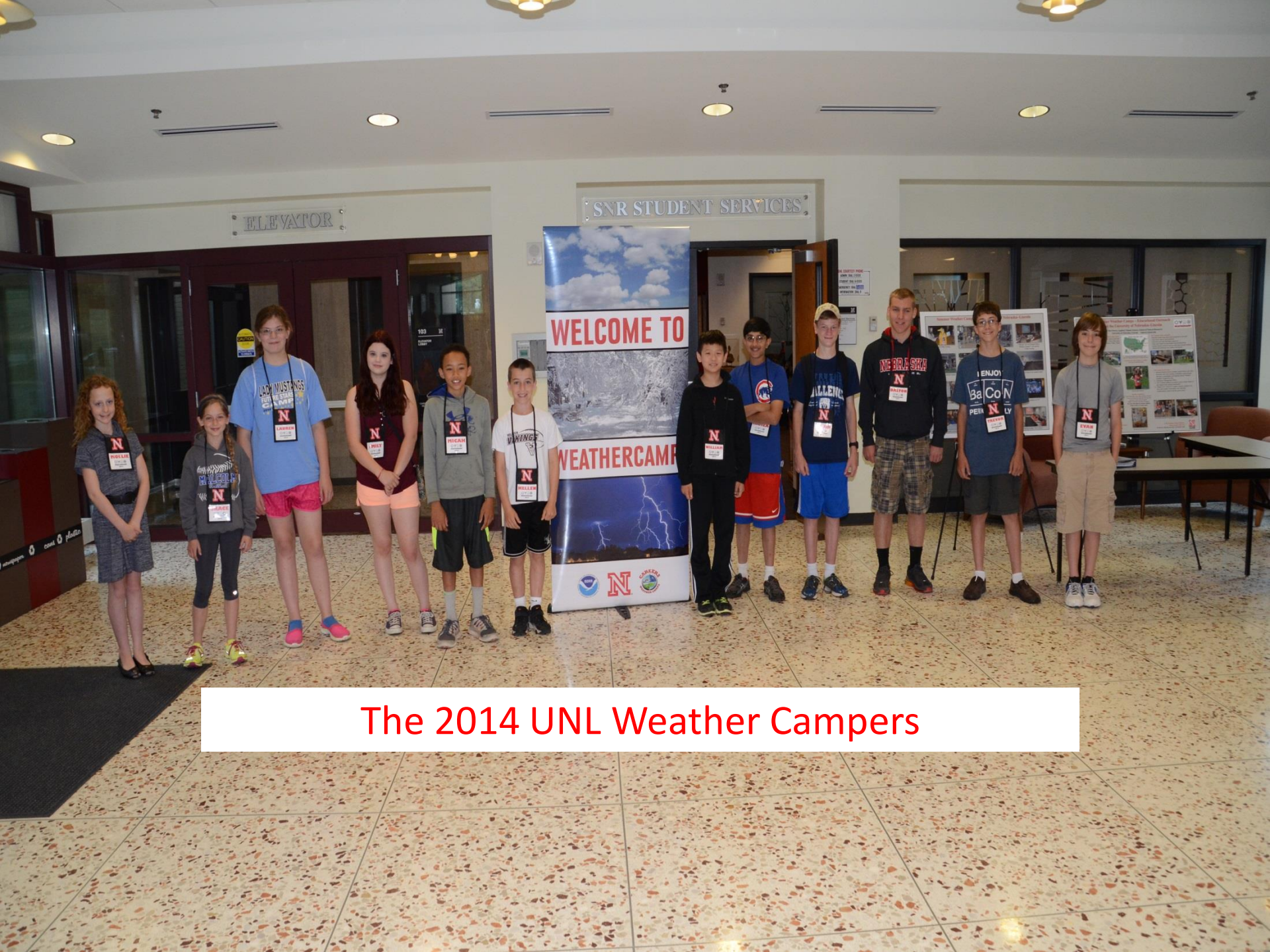
N
LYDIA
OY'S
WEATHERING
THE STORM

N
JAM
OY'S
WEATHERING
THE STORM

N
BRUCE
OY'S
WEATHERING
THE STORM

N
SARAH
OY'S
WEATHERING
THE STORM

N
MICHAEL
OY'S
WEATHERING
THE STORM



The 2014 UNL Weather Campers



The 2014 UNL Weather Campers, Instructors and Staff



Day 1 Weather Briefing and introduction

Weather Briefing



Learning how to draw a weather map



Learning how to read weather maps



Our first outdoor weather observations



SNACK TIME!!!!



Making a cloud wheel

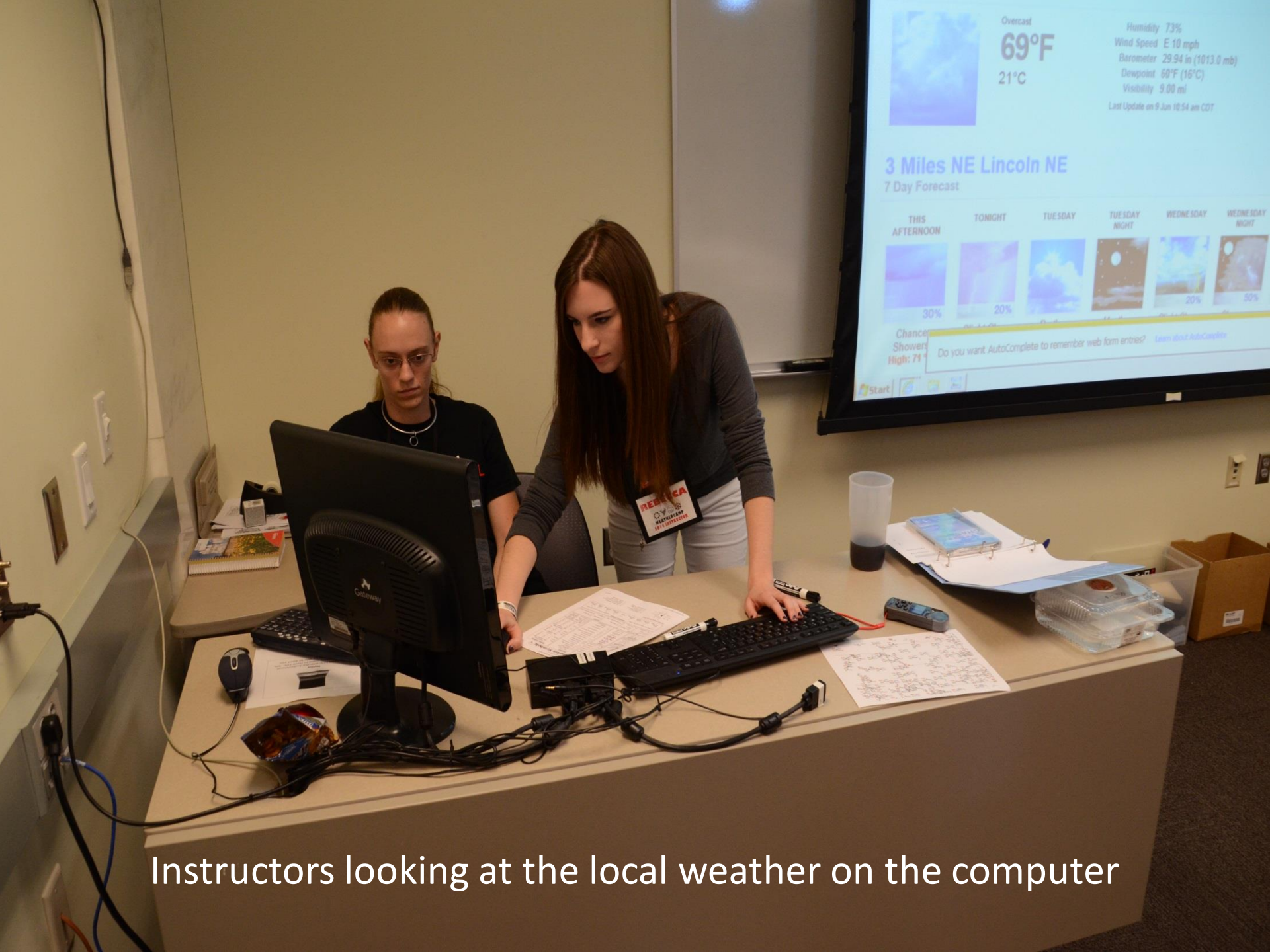


Cutting out a cloud wheel



Identifying fronts



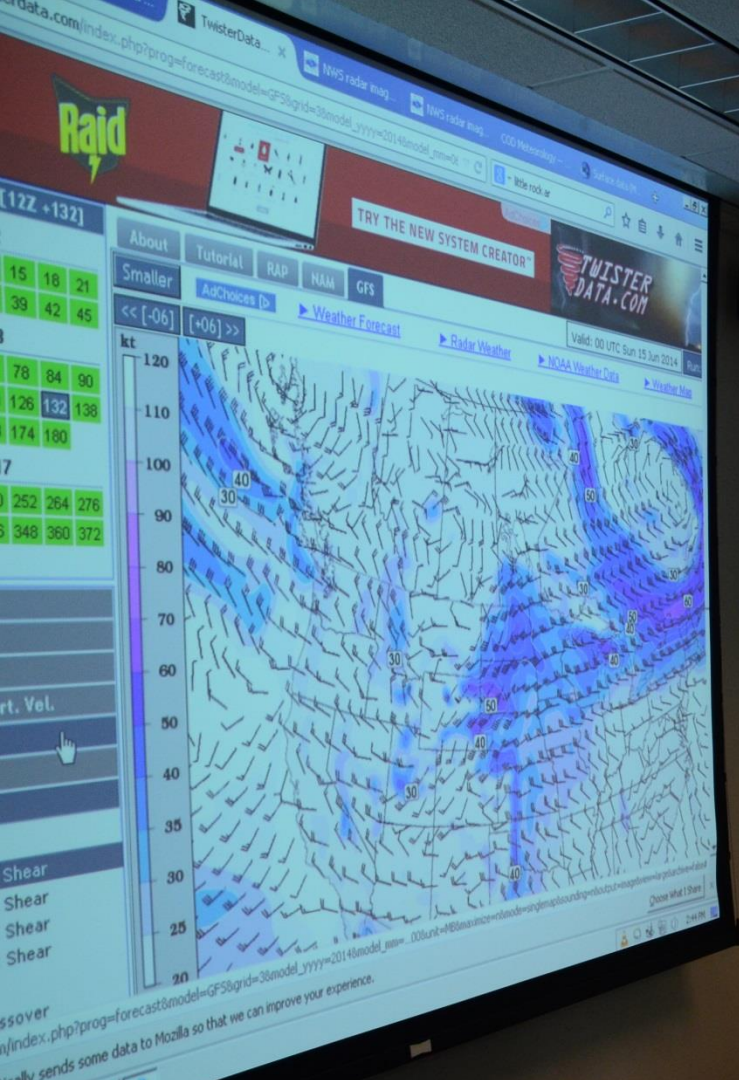


Instructors looking at the local weather on the computer



Raising Cane's donated lunch

Learning about cloud types



Weather campers working on their individual research projects



Tuesday, June 10



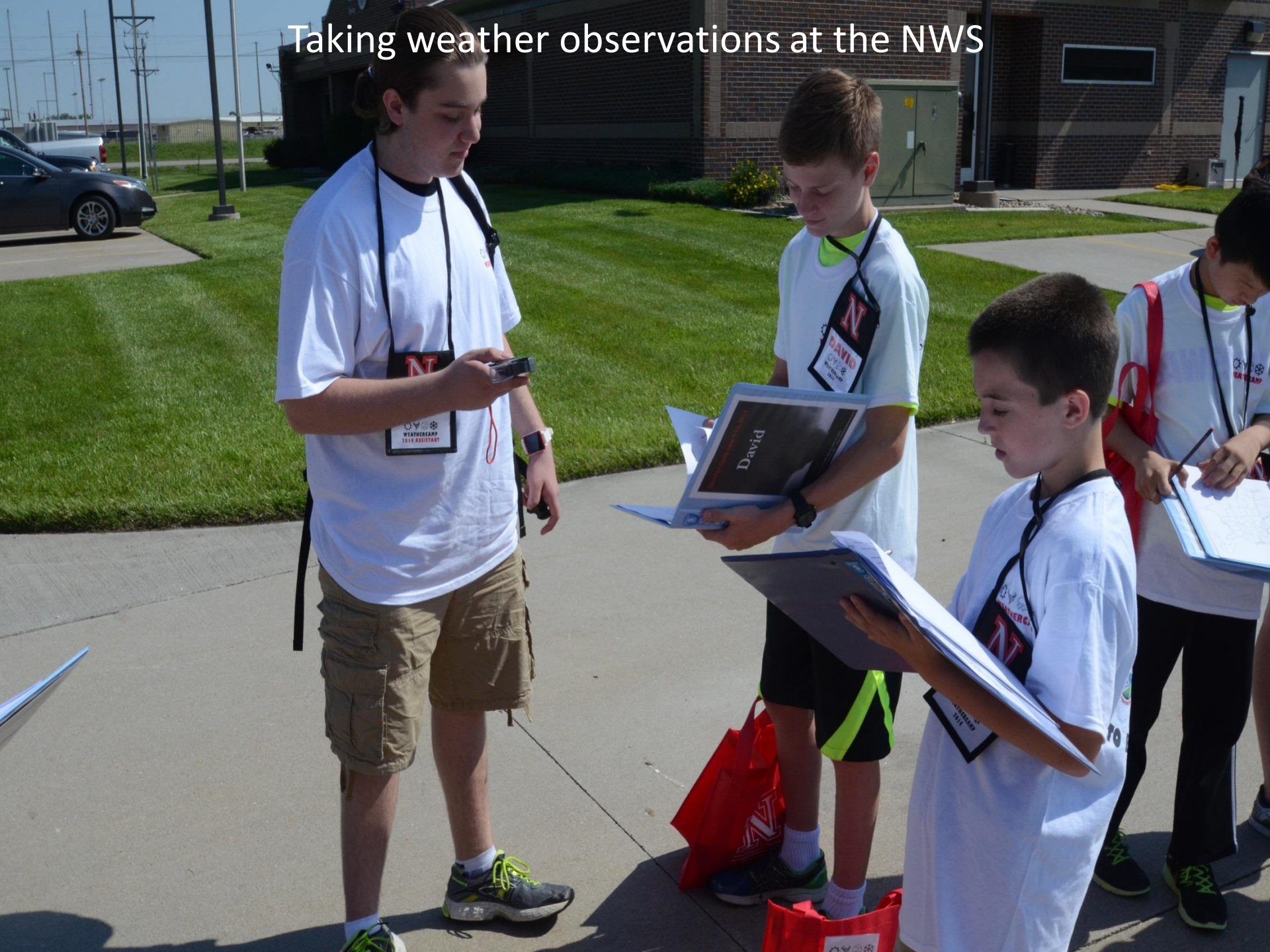
Getting ready to go to the Omaha/Valley, NE, National Weather Service (NWS) Office



Its nice that some people have energy this early in the morning.



Taking weather observations at the NWS



Measuring the wind speed



Learning about the different instruments



The radar dome



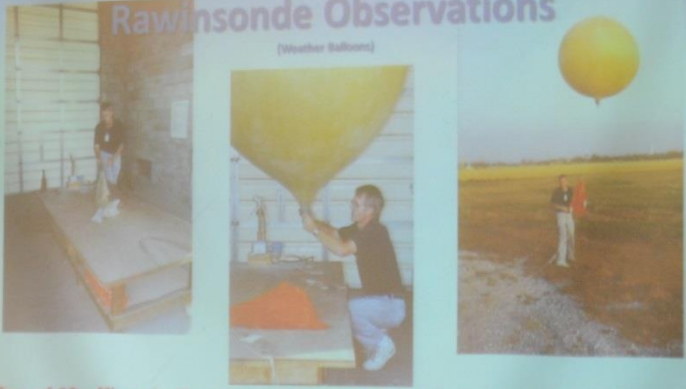


Learning about National Weather Service Careers

National Weather Service
Omaha/Valley, NE

Rawinsonde Observations

[Weather Balloon]



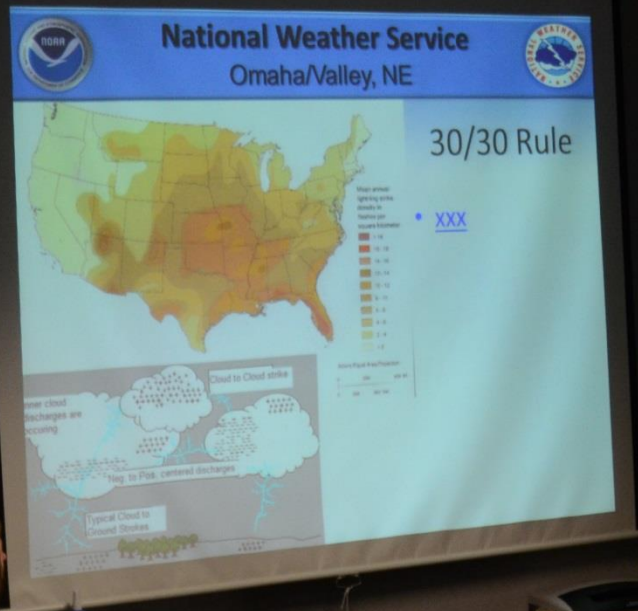
One of 69 offices in the conterminous U.S. to launch weather balloons each day. The radiosonde is a small, expendable instrument package that is suspended below a six foot wide balloon filled with hydrogen. The sensors on the radiosonde measure profiles of pressure, temperature, wind, and relative humidity. Improvements - Radiosonde Replacement System to replace the current system, the new system will use a Global Positioning System to track the flight

Workstation area with multiple computer monitors and a woman presenting to a group of students.

Student 1: **THIS IS WISE**
Earth Resources

Student 2: **THIS IS WISE**







The main floor of the NWS forecast office



EXIT

Lin (208) 621-4611-270-7337
Pat (208) 326-5511-6111
325-575-0723

RedVan - I-404
What You Buy









WIDE AREA
SPOTTER NETWORK

WIDE AREA
SPOTTER NETWORK

WIDE AREA
SPOTTER NETWORK

WIDE AREA
SPOTTER NETWORK

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
University of Nebraska
Lincoln
BE WEATHERWISE



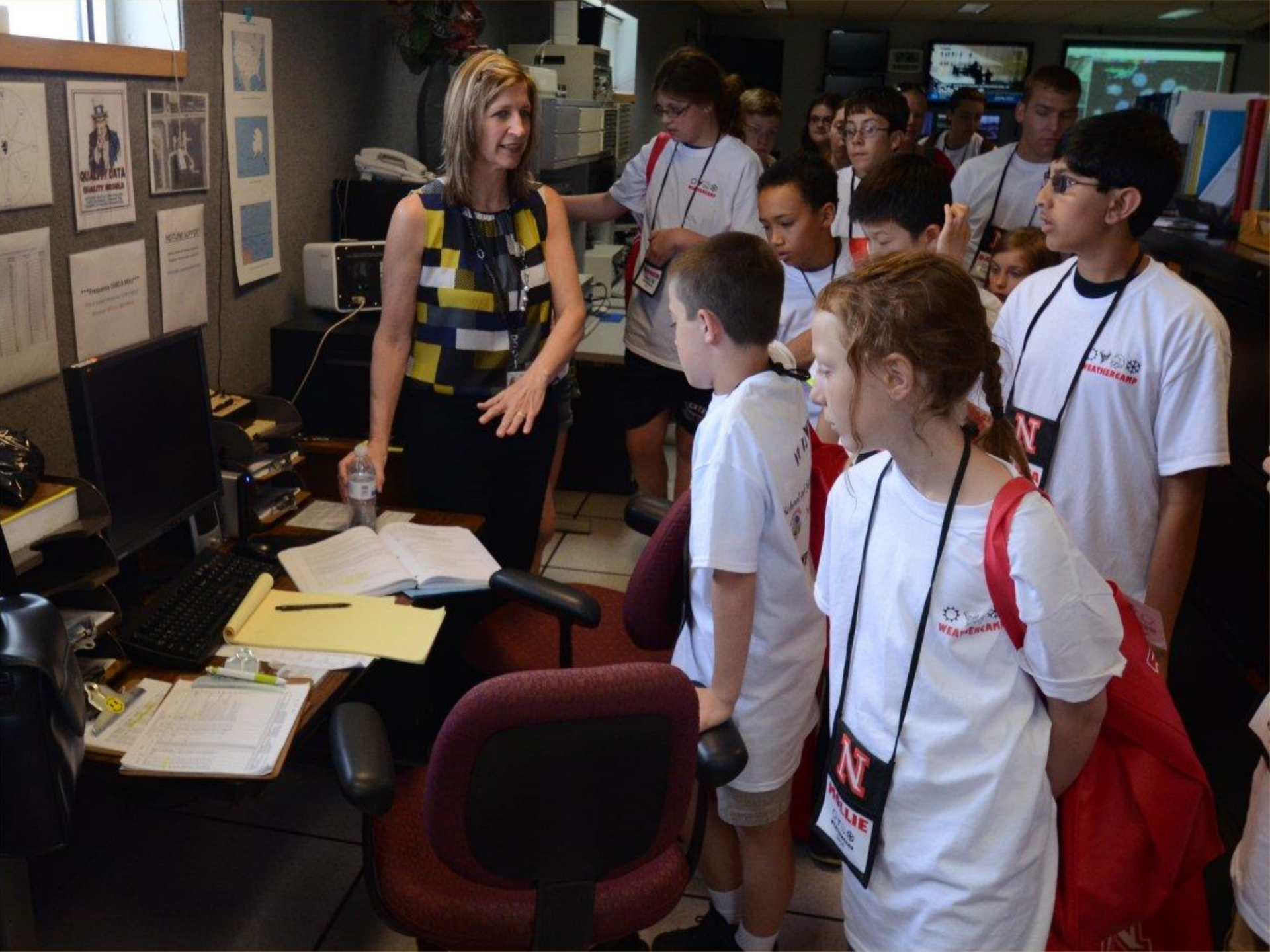
resources
IT IS WISE

IT IS WISE
School of Natural Resources
UNIVERSITY OF
Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
UNIVERSITY OF
Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
UNIVERSITY OF
Nebraska
Lincoln
BE WEATHERWISE

IT IS WISE
School of Natural Resources
UNIVERSITY OF
Nebraska
Lincoln
BE WEATHERWISE

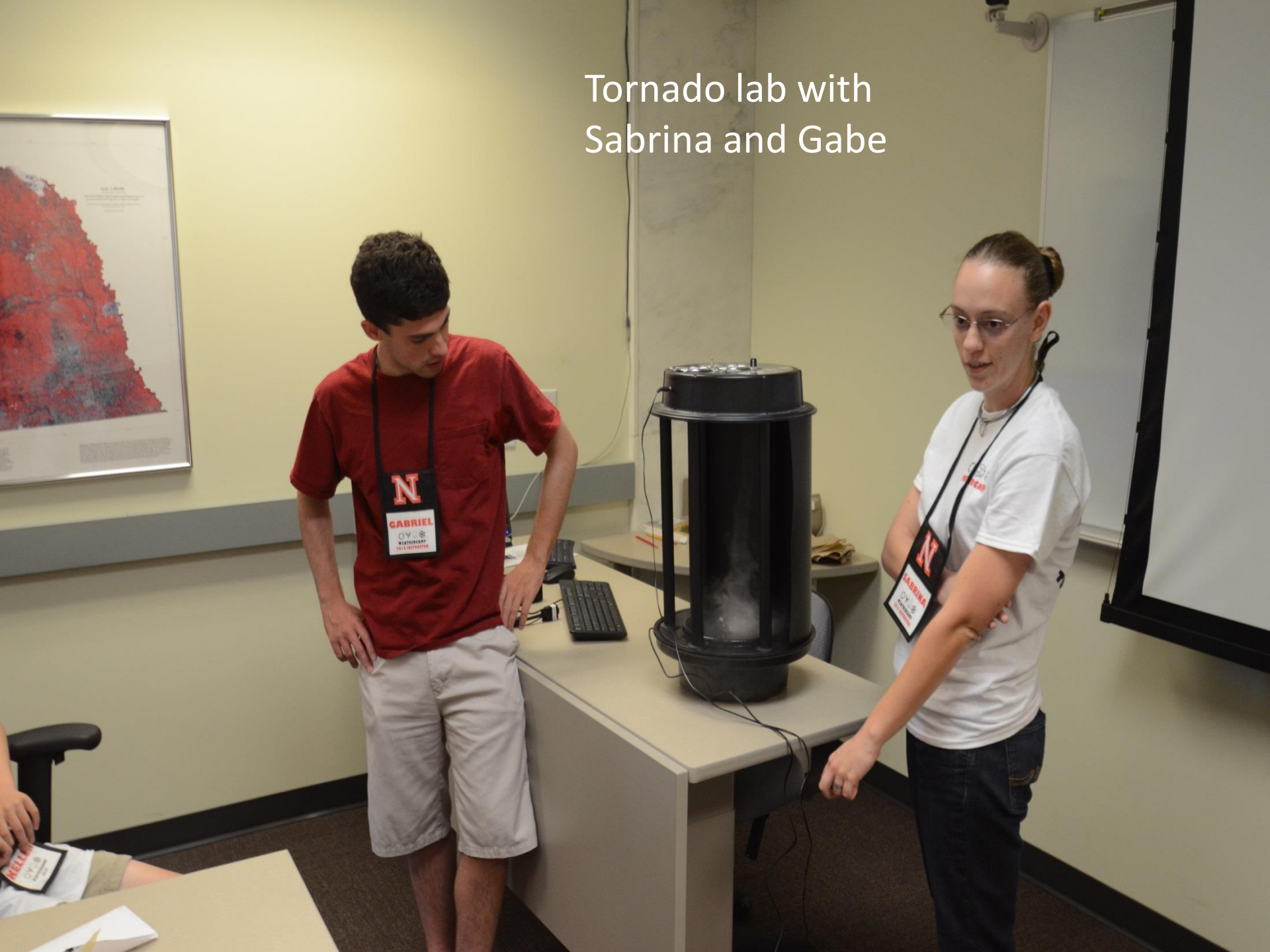




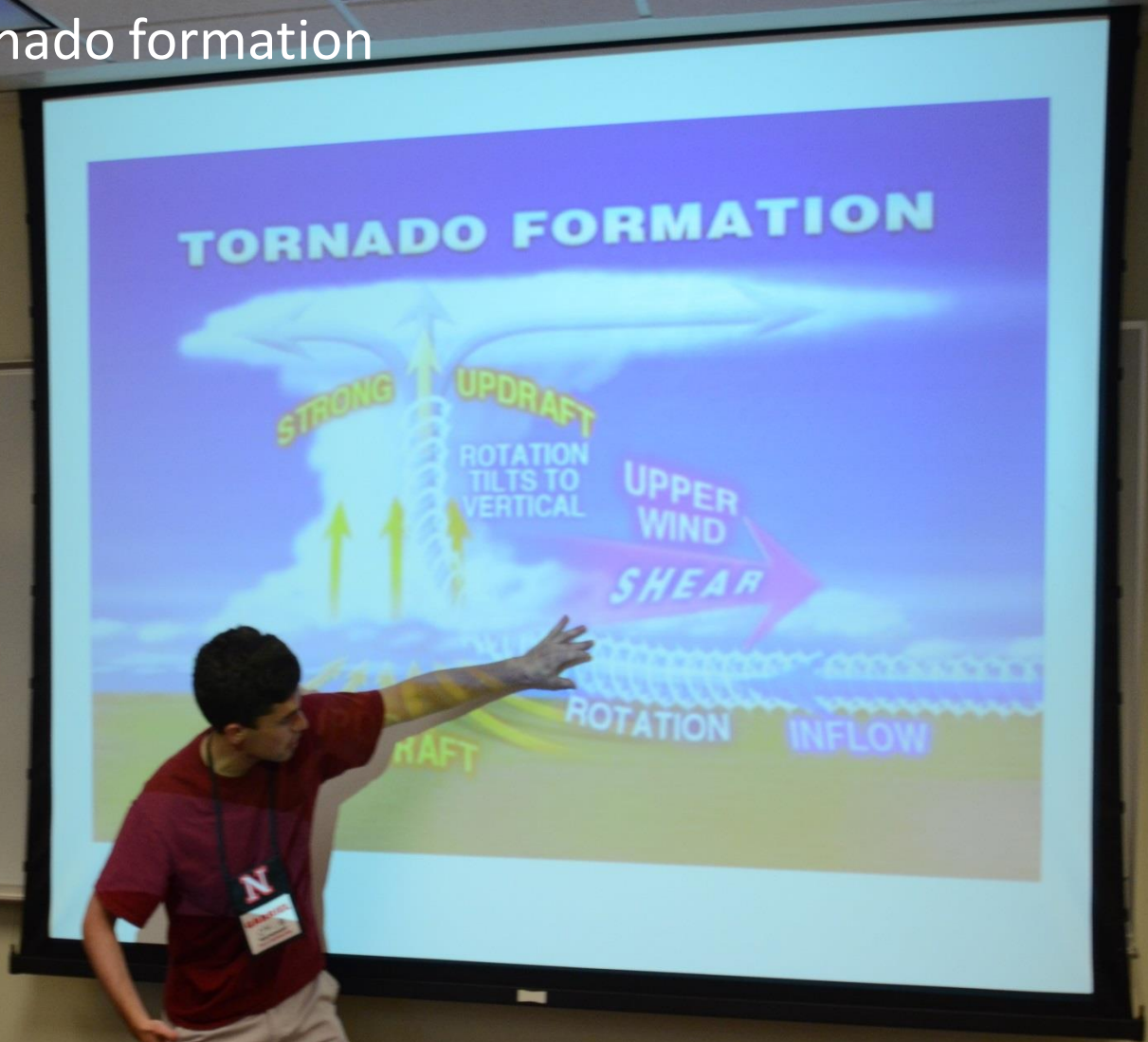


Outside the Omaha/Valley, NE, NWS office

Tornado lab with Sabrina and Gabe

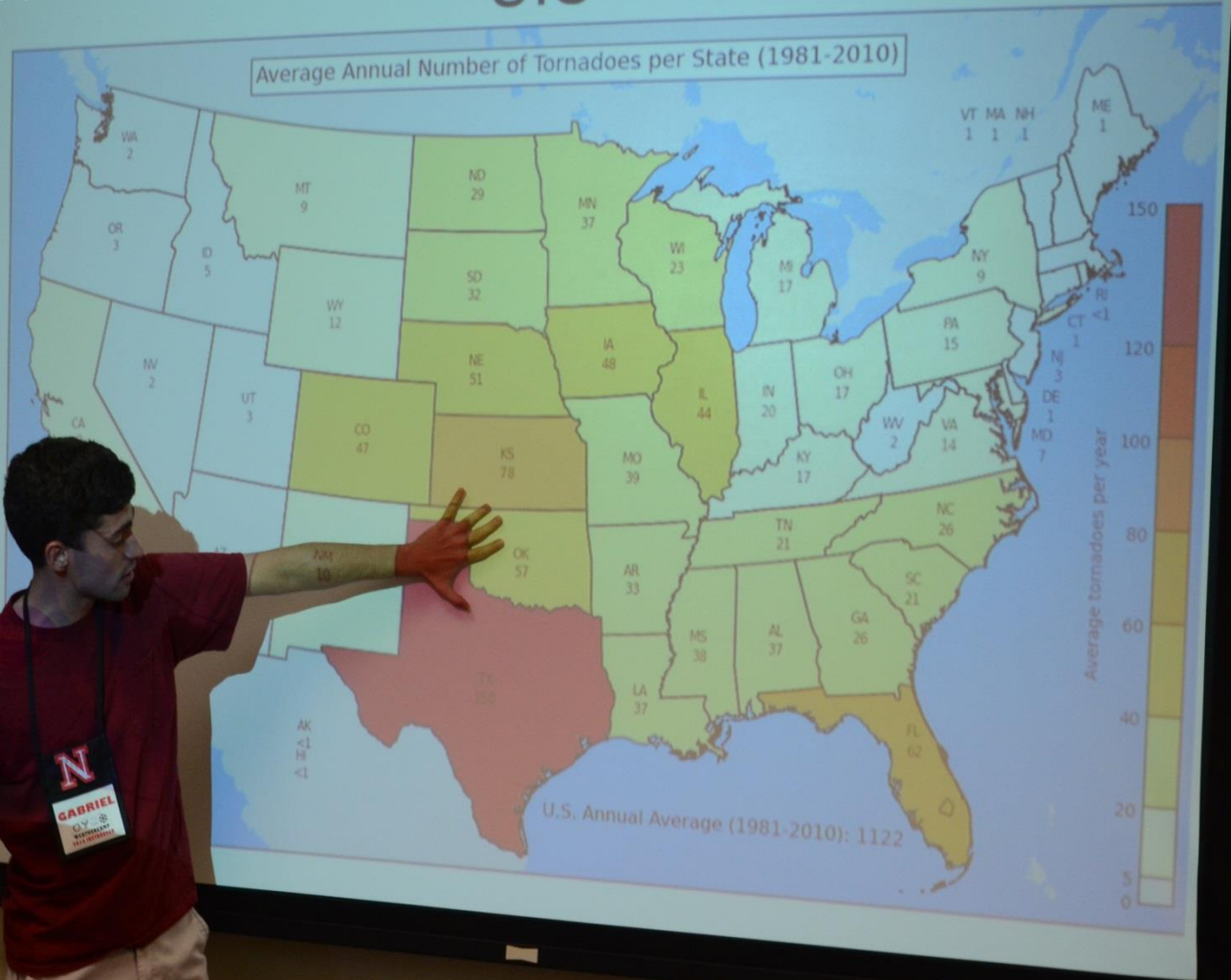


Learning about tornado formation



Tornado climatology

Tornado Climatology around the U.S



NOAA “hot seat severe weather forecasting” simulation game







Instructors vs Campers





141.2
COMPUTER CLASSROOM

IT IS WISE



Wednesday, June 11



At Memorial Stadium, UNL City Campus



The Weather Campers inside Memorial Stadium





Running out on the field

Perfect day to be there



Taking the wind speed at the top of the bleachers



Looking west at the top of the stadium bleachers



Looking south at the top of the stadium bleachers



Weather Campers taking temperature measurements on the field



Exploring the micro climate of the stadium









N NEBRASKA N

NEBRASKA



Weather Campers Group at the center of the football field





1956 NATIONAL CHAMPIONS 1957
1956 NATIONAL CHAMPIONS 1957
CONFERENCE CHAMPIONS
NEBRASKA FOOTBALL

NEBRASKA

NEBRASKA

HUSKERS

TOM OSBORNE FIELD

613

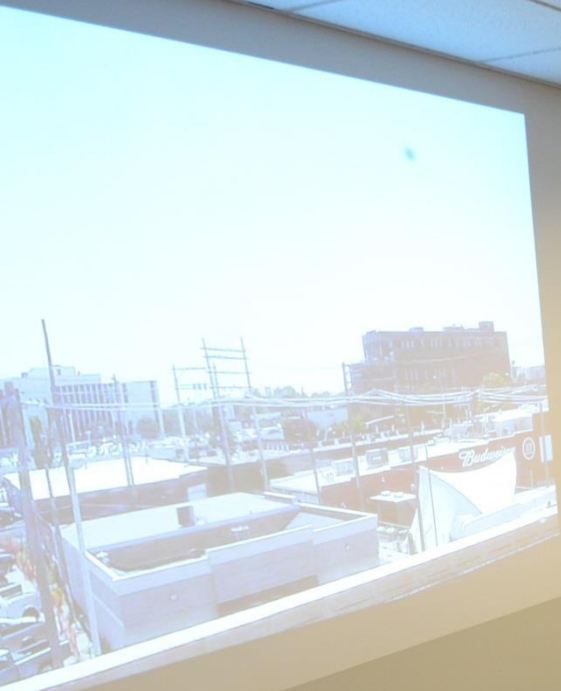
612







Touring the local Office of Emergency Management



hp 1530

WIND Speeds Gusts

Direction	<10	10-20
N	10-20	20-30
NE	20-30	30-40
E	30-40	40-50
SE	40-50	50-60
S	50-60	>60

TORNADIC ACTIVITY

Cell	Tower	N	NE
Scud	W	Over	E
Roll Cloud	SW	SE	
Lowering Tower	S		
Wall Cloud	Possible Funnel		
Rotation	Definite Funnel		

RAIN HAIL

Point 1 Location

Mod

Torrential Quarter Rain Shut

LIGHTNING

Cloud to Cloud	NW	NE	
Cloud to Ground	W	Over	E
	SW	SE	S

ENTER REPORT

Spotters Point Manager

Emergency Management Spotters Point Location Manager

Northwest	East	Southeast
1-1 [IDM] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	4-1 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	6-1 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-2 [EDTAS] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	4-3 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	6-2 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-2a] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived		6-3 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-2b] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Southwest	6-4 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-3 [UGHO] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-0 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	6-5 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-4 [TRK] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-1 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	6-6 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
1-5 [DDED] <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-2 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	
2-1 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Northwest	Hospitals
2-2 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-3 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Bryan E <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
2-3 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-4 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Bryan W <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
West	5-5 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Madonej <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-1 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-6 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	KOLN <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-2 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-7 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	KLKN <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-4 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-8 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	Lin Surg <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-6 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	5-9 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived	NE Hrt <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-7 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived		St Eliz <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
3-8 <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived		KFOR <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived
		KLIN <input type="checkbox"/> <input type="checkbox"/> Cleared <input type="checkbox"/> En Route <input type="checkbox"/> Arrived

Save Reset





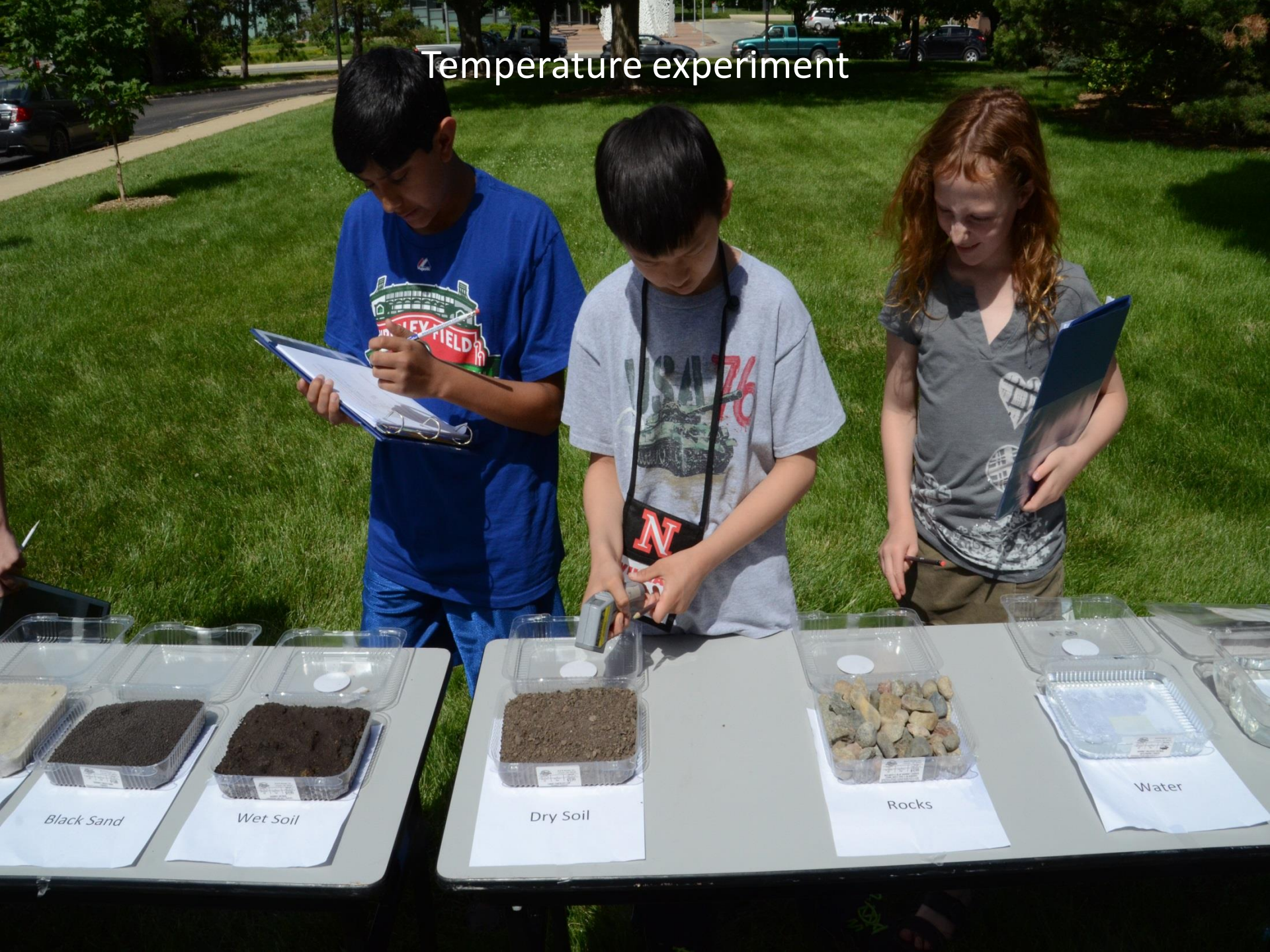




Thursday, June 12



Temperature experiment



Black Sand

Wet Soil

Dry Soil

Rocks

Water



WRIGLEY FIELD
1914-2019

UNDER ARMOUR

Rocks

Water

Large Water

Raytheon visited the Weather Camp to talk about science careers



Raytheon visited the Weather Camp to talk about science careers



Grace says she loves Weather Camp!



Friday, June 13



Bringing in tonight's celebration dinner!



Sabrina at our UNL Weather Camp TV Studio!



Learning how to use the Green Screen



Practicing doing a weathercast in front of the green screen







Playing with the green screen



Group photo at the UNL Weather Camp TV Studio



Working on the research posters





← RESTROOM

RESTROOM →



ON THE
MULTIPLA
N
DAVID
OF THE
MUSEUM





Rusty Dawkins KOLN/KGIN TV Meteorologist met with the students to tell them all about a Weathercasting career



Group photo with Rusty Dawkins and the UNL 2014 weather campers



The UNL National Drought Mitigation Center (NDMC) met with the campers



and we played a simulation game called "Water Banking"





The School of Natural Resources gave a presentation on science careers and how to prepare for College

What can I do right now?

- Sign up for an environmental or science club
- Volunteer at a park, zoo, nature center, lake, or other environmental organization to help
- Take math and science courses in high school
- Find someone in your area to job shadow
- Read more about your interest area



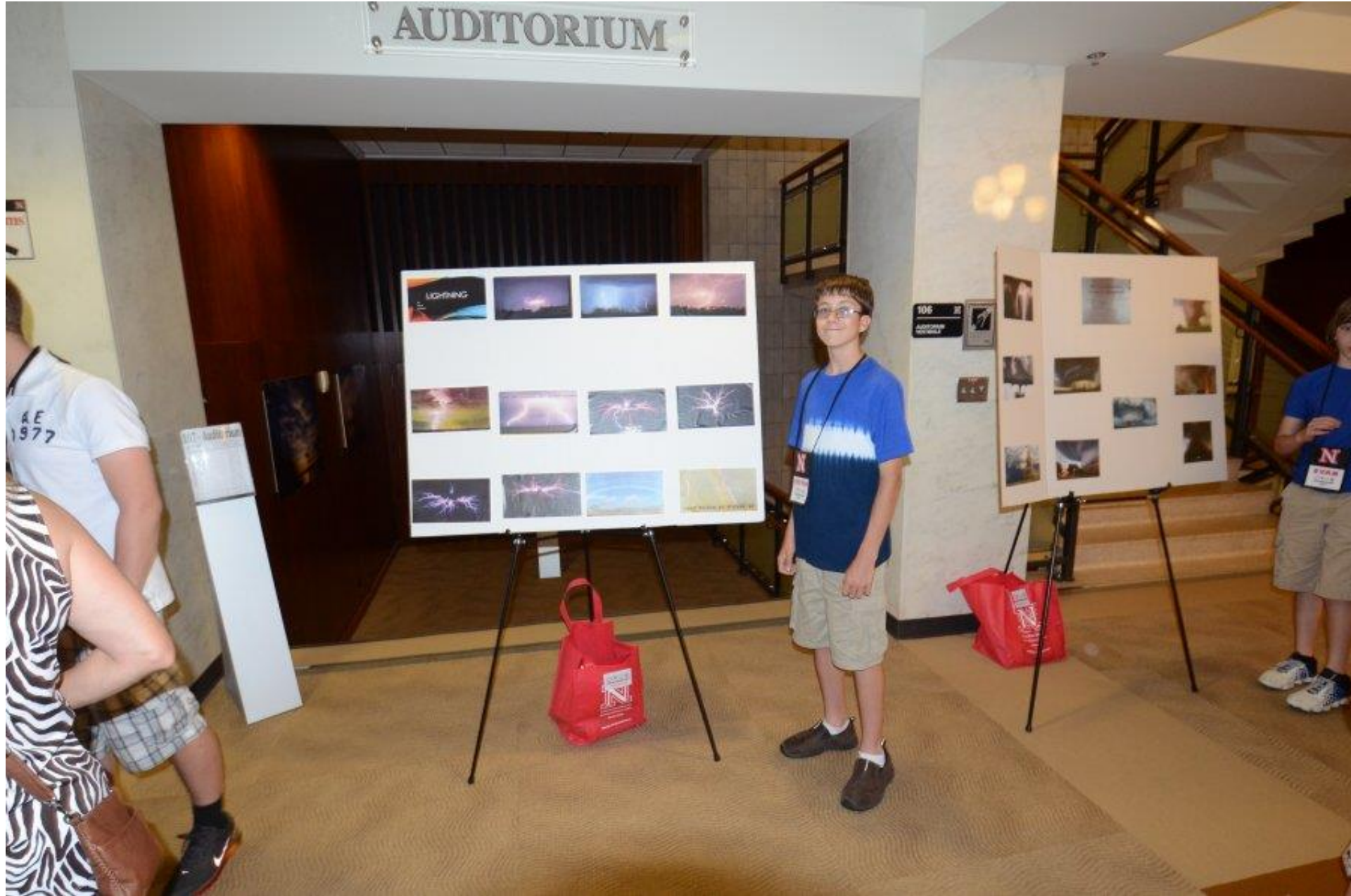


we played a game called science career Bingo



The week-long weather camp concluded on Friday late afternoon with each camper showcasing their research poster

AUDITORIUM



Parents, family and friends were invited to see the research posters



STUDENT SERVICES

WELCOME TO
CAMP!

WILSON
IN THE MAKING

N
WILLIAM
CIVIC
PROJECT



HARDIN HALL
2006



Wilson College
1000 North Main Street
Wilson, NC 27894
919.241.1234
www.wilson.edu







LABS
23 & 24
STATISTICS
49
←



N
WILLIAM
100

N
MADINA
100







Everyone then gathered in the 2nd floor lobby for a celebration dinner and graduation ceremony

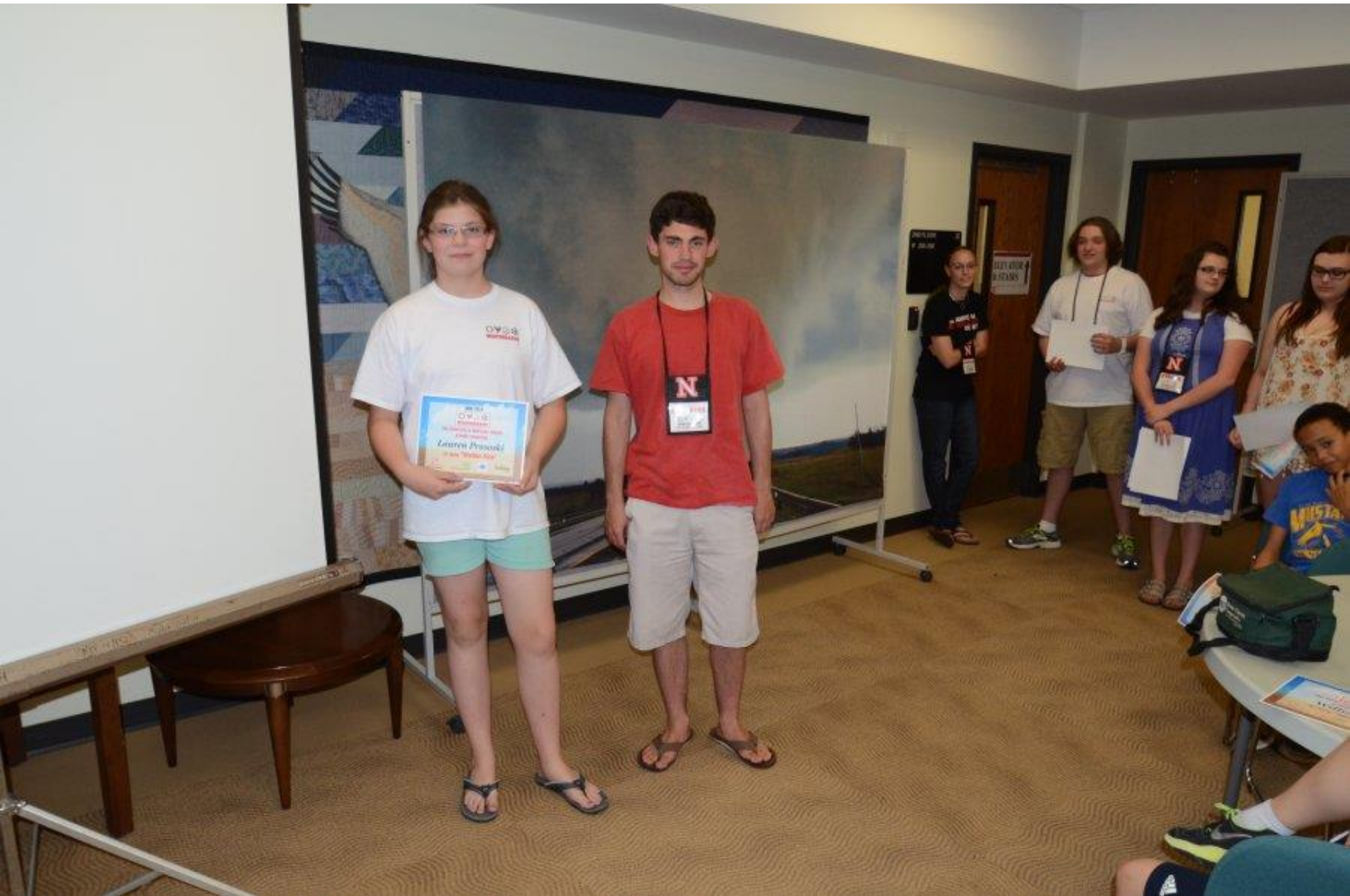




Each UNL Weather Camper received a graduation certificate and several weather related books as a gift from the UNL Weather Camp staff and instructors

















Final Weather Camp 2014 group photo with Dr. Ken Dewey, the director of the UNL Weather Camp



UNL National Weather Camp Instructors, June 9-13, 2014



Maddy Diedrichsen



Rebecca Duell



Sabrina Jaurenic



Gabriel Lojero



UNL National Weather Camp Counsellors, June 9-13, 2014



Emma Dewey



Ian Mason



Bree Nelson



Lydia Wall

