



GLOBE La Niña Web Chat

22 October 1998

[Paul/CPC]

RE: [Christos/GLOBE] Good morning and welcome to GLOBE's web chat on La Niña. Today we are delighted to have three scientists from NOAA's Climate Prediction Center as our experts. They are Dr. Jim Laver, Dr. John Janowiak, and Dr. Paul Sabol.

Greetings! I am Paul Sabol, a meteorologist at the Climate Prediction Center, National Centers for Environmental Prediction, NWS, NOAA. I have over 30 years of experience, primarily in climatology.

[Christos/GLOBE]

RE: [Paul/CPC] Greetings! I am Paul Sabol, a meteorologist at the Climate Prediction Center, National Centers for Environmental Prediction, NWS, NOAA. I have over 30 years of experience, primarily in climatology.

Hello Paul, we are happy to have you as one of our experts.

[Jim]

RE: [Christos/GLOBE] Good morning and welcome to GLOBE's web chat on La Niña. Today we are delighted to have three scientists from NOAA's Climate Prediction Center as our experts. They are Dr. Jim Laver, Dr. John Janowiak, and Dr. Paul Sabol.

Hello! I am Jim Laver, Deputy Director of the Climate Prediction Center.

[Christos/GLOBE]

RE: [Jim] Hello! I am Jim Laver, Deputy Director of the Climate Prediction Center. Good morning Jim. Welcome to our chat.

[john]

Hi, I am John Janowiak, a meteorologist at "CPC"

[Christos/GLOBE]

RE: [john] Hi, I am John Janowiak, a meteorologist at "CPC"
Hello John. Could you please tell us a little about your research.

[unknown]

Why are we having la Nina

[Christos/GLOBE]

Hello "Unknown". Could you please tell us your name, your school, and where are you from?

[john]

RE: [Christos/GLOBE] Hello John. Could you please tell us a little about your research.

My research involves looking for impacts on U.S. weather that is associated with El Nino and La Nina. I also look for interesting changes in tropical precipitation as seen from satellite data.

[Paul/CPC]

RE: [unknown] Why are we having la Nina

El Nino and La Nina result from interaction between of the surface of the ocean and the atmosphere in the tropical Pacific Ocean. They appear to be cyclical, occurring roughly every 3 to 4 years.

[Christos/GLOBE]

Paul and Jim, could you please also tell a bit more about your work?

[unknown]

TYFFANI ST. HELEN

[Christos/GLOBE]

Hello Tyffani. Please type your name before your questions, so we know who you are. Where are you from?

[Paul/CPC]

RE: [Christos/GLOBE] Paul and Jim, could you please also tell a bit more about your work?

I am involved in current awareness. What has happened in the last week? Month? Season? Year? I generally do operational type of work as opposed to research. Basically I let people know what is currently going on.

[unknown]

HOW OFTEN ARE WE GOING TO BE HAVING THE NINA?

[Jim]

RE: [Christos/GLOBE] Paul and Jim, could you please also tell a bit more about your work?

I am responsible for coordinating administrative and technical support for the CPC staff of about 50 federal employees and about 20 contractors. I also focus on product improvement & delivery to users.

[john]

La Nina typically occurs every 4-7 years, on average, but there have been times when we haven't experienced one for 10 years or so, such as the period 1977-1987.

[unknown]

Hello. I'm Emilia Vinces, I coordinates G.L.O.B.E. in the school Abdón Calderón High School. I would like to know about the Niña Program chat

[Christos/GLOBE]

Hello Emilia. Our experts will be happy to answer your questions on La Niña. Please type your name at the space provided, so we know who you are.

[john]

Let me correct my last statement, a weak La Nina was observed during 1983-85.

[Christos/GLOBE]

To all our participants: Please type your name and your school (e.g., Emilia/Abdon Calderon) at the space provided above the text entry box.

[unknown]

TYFFANI/ WHY OR HOW DOES IT EFFECT OUR COUNTRY?

[unknown]

HOW DOES THE COLD CURRENTS ENVOLVE FROM THE WARM CURRENTS OF EL NINO?

[unknown]

Hello! 16 year old Earth Science student here from Virginia. What kind of effects should the east coast of the United States expect from La Nina? (i.e. Enough snow to call it a national disaster??)

[unknown]

Hello. I'm Emilia Vines. I encharged of the GLOBE program and I would like to know about the Niña chat to be, clear when it's going to come and how long is going to take and which places are going to be affected

[unknown]

Why are we having the Nina?

[unknown]

WE GO TO ST. HELEN SCHOOL.WE ARE IN EIGHTH GRADE

[unknown]

HOW DO THE WARM CURRENTS FROM EL NINO EVOLVE INTO THE COOL CURRENTS OF LA NINA?

[john]

Regarding "... the cold currents evolving from the warm currents ..." La Nina conditions do not always follow El Ninos, but sometimes they do. The link (if any exists) between La Nina and El Nino is not presently known.

[Jim]

RE: [unknown] TYFFANI/ WHY OR HOW DOES IT EFFECT OUR COUNTRY?

Tyffani, La Nina tend to encourage weather patterns which result in dry conditions over the southern third of the U. S. and part of the midwest from now thru spring. It will likely be wetter than normal in the Northwest U.S. and near the Great Lakes. as well. Where it's dryer, it will also likely be warmer than normal.

[Paul/CPC]

RE: [unknown] Hello! 16 year old Earth Science student here from Virginia. What kind of effects should the east coast of the United States expect from La Nina? (i.e. Enough snow to call it a national disaster??)

La Nina tends to cause unusually wet conditions across the east-central states and relatively warm conditions in the East; however, because of the strengthening of the amplitude of the jet stream, the weather can be highly variable. As for heavy snow, storms are to short in duration to predict.

[Paul/CPC]

RE: [unknown] Why are we having the Nina?

The La Nina is a natural variation in the waters of the eastern Tropical Pacific, where the sea surface temperature is colder than normal as opposed to an El Nino, when sea surface temperatures are elevated.

[Paul/CPC]

RE: [unknown] Can we see my location now?

No

[Paul/CPC]

RE: [unknown] Can we see my name and location now?

No

[john]

Hi Emilia, We are currently experiencing weak La Nina conditions and we expect these conditions to continue through the middle of 1999 and possibly strengthen somewhat. The effects that we expect are more than normal rainfall during the 1999 Indian monsoon, beneficial rainfall in eastern Australia and Indonesia, drier than normal in the Southwest U.S. and U.S. Gulf Coast this winter, but more rainfall (and snowfall) in the Pacific Northwest U.S.

[Paul/CPC]

RE: [unknown] Hello from Boulder

Query from Boulder, name please.

[Jim]

RE: [unknown] HOW DO THE WARM CURRENTS FROM EL NINO EVOLVE INTO THE COOL CURRENTS OF LA NINA?

Ocean currents are still not well understood. We are not sure what drive the change from El Nino to La Nina, or to neutral conditions, yet we know enough to predict some of their aspects and impacts. That is why we continue to need new, young scientists attacking the problems.

[Christos/GLOBE]

GLOBE Chaters. It appears that we are unable to display your names. We are trying to fix this, but until then please type your names before your questions. Thanks!

[unknown]

Do La Nina events always follow La Nina events?

[unknown]

How do you think La Nina will affect the weather of the southeast United States?

[unknown]

WE ARE TYPING IN OUR NAME AND LOCATION, BUT IT IS NOT GOING THROUGH. WE ARE FROM WEST ELEMENTARY IN EAST ROCHESTER, OHIO

[unknown]

I live in Guayaquil, Ecuador. My country was affected by the El Niño event and I would like to know which are going to be the effects after the El Niño event

[unknown]

How will La Nina affect the southeastern U.S.?

[unknown]

Do La Nina events always follow El Ninos?

[unknown]

Hello from all 9 GLOBE school students here at Mercer from Savannah, GA. Why does El Nino occur more frequently than La Nina?

[unknown]

But La Nina characteristically means a lot of snow, correct?

[unknown]

We're in the Globe school program since 1996. We are from GA. How does La Nina effect the US?

[Paul/CPC]

RE: [unknown] Do La Nina events always follow La Nina events?

Normal La Nina and El Nino events tend to alternate. This variation from warm (El Nino) to cold (La Nina) and back is part of the Southern Oscillation. Perhaps, imagining warm and cold water sloshing around is a good start to visualizing what is going on.

[unknown]

My second grade class is interested in finding out a few facts about La Nina....we are from Stevens School in Upstate NY... This question is from Jeffrey How did La Nina get its name?

[unknown]

HI EVERYONE!!!! THIS IS SARAH FORM HYLTON HIGH SCHOOL IN VA

[unknown]

This is Marna, from Hylton High School in Woodbridge, VA. My name and location is not working for some reason.... Is there a specific part of the world that will have the most severe weather due to La Nina, and if there is, what kind of weather conditions should they expect?

[unknown]

Do La Nina events always follow EL Ninos events?

[john]

RE: [unknown] How do you think La Nina will affect the weather of the southeast United States? We expect the southeastern U.S. States to be drier and warmer than normal.

[unknown]

HI CHRISTOS/ WE MET IN MISSOULA AT A FRANCHISE TRAINING. MY 5TH GRADERS WILL BE SENDING MORE QUESTIONS. THANKS FOR THIS OPPORTUNITY. KAREN SCHONAUER/WEST ELEMENTARY/OHIO

[unknown]

Hello Christos! Is La Nina expected to affect Europe too? If yes, how?

[Jim]

RE: [unknown] I live in Guayaquil, Ecuador. My country was affected by the El Niño event and I would like to know which are going to be the effects after the El Niño event

We expect that La Nina will continue to develop and this usually means an opposite effect than El Niño - Guayaquil should be cooler and drier in general, but that doesn't mean that there won't be wet and warm periods.

[Paul/CPC]

RE: [unknown] How do you think La Nina will affect the weather of the southeast United States?

La Nina conditions tend to favor relatively warm and dry weather in the Southeast. An excellent graphic is on http://nic.fb4.noaa.gov/products/analysis_monitoring/ensocycle/nawinter.html

[Christos/GLOBE]

RE: [unknown] HI CHRISTOS/ WE MET IN MISSOULA AT A FRANCHISE TRAINING. MY 5TH GRADERS WILL BE SENDING MORE QUESTIONS. THANKS FOR THIS OPPORTUNITY. KAREN SCHONAUER/WEST ELEMENTARY/OHIO

Hello Karen. I'm glad you and your students can join us!

[Christos/GLOBE]

RE: [unknown] Hello Christos! Is La Nina expected to affect Europe too? If yes, how?

Hello. We're having trouble showing your names, so please tell your name and where you are from.

[unknown]

We are Mercer Middle. We are located in Georgia. We want to know how La Nina effect the US.

[unknown]

Hello! I'm William Lindblad, an eighth grade GLOBE student at Mercer Middle School in Savannah, Georgia. How do think La Nina will affect the southeastern U.S.?

[unknown]

In what way the La Niña Event is going to affect the natural disasters: for example: Volcanoes, earthquakes, and climate

[Paul/CPC]

RE: [unknown] But La Nina characteristically means a lot of snow, correct?

Because of the nature of snowfall, one cannot safely predict how snow will be affected by either El Niño and/or La Nina. We would be trying to compare a short-term event with a longer-term condition. It appears that La Nina favors greater variability in the United States because of the amplified jet stream pattern.

[john]

RE: [unknown] Hello from all 9 GLOBE school students here at Mercer from Savannah, GA. Why does El Niño occur more frequently than La Nina?

That's a very good question, but it depends on the time period that you look at. Since 1948 we've documented 13 La Ninas and 16 El Ninos, so the difference isn't as large if you just looked at the more

recent 20 years. A lot of La Ninas were observed in the 1950's and early 1970's - since the late 1970's we've seen more El Ninos than La Ninas.

[unknown]

I heard we are supposed to get 8 feet of snow here in Everett, WA Is that true?

[unknown]

what parts of the world will la nina effect?

[unknown]

Hi! I am Nghi From Mercer Middle and we want to know what are the affects of La Nina.

[unknown]

which part of the world will la nina effect?

[unknown]

WE JUST FINISH TREE IDENTIFICATION OUTSIDE OUR SCHOOL. 10 DEGREES CELSIUS, HOW WILL La Nina affect the trees since they have already dropped their leaves.

[Jim]

RE: [unknown] We're in the Globe school program since 1996. We are from GA.How does La Nina effect the US?

La Nina tends to make the souther third of the U. S. drier than normal, and this area extend into parts of the midwest. Those same areas tend to be warmer than normal between now and spring. A wetter NW and north central U. S. is also more likely this winter - that may also mean more snow than normal in those areas.

[Paul/CPC]

RE: [unknown] Hello Christos!Is La Nina expected to affect Europe too?If yes,how?

Because of its location, Europe is not affected very much by La Nina or El Nino. Too mnay other factors can effect Europe.

[unknown]

hi. we are students from gateway

[Christos/GLOBE]

Hello Gateway! Where are you located?

[Jim]

RE: [unknown] We are Mercer Middle. We are located in Georgia. We want to know how La Nina effect the US.

If you check previous answer you will see how La Nina affects the US.

[Paul/CPC]

RE: [unknown] Hello! I'm William Lindblad, an eighth grade GLOBE student at Mercer Middle School in Savannah,Georgia. How do think La Nina will affect the southeastern U.S.?

La Nina favors warm and dry conditions across the Southeast, but because of the jet stream, expect considerable day-to-day variability.

[unknown]

Are the questions being answered in the order they are recieved?

[Christos/GLOBE]

There are many questions, so our experts are trying their best to respond to as many as possible.

[unknown]

Could you tell me what problems are we going to have in Ecuador after the El Niño Event, because we are going to have a Science Fair in November and we would like to know what effect is going to have with the volcanoes, earthquakes and avalanches

[unknown]

Hello, I'm from Mercer Middle's GLOBE Student program. When did the first La Nina occur?

[unknown]

we are located in everett wash. near seattle

[unknown]

Christos...this is Sarah from C.D. Hylton High school...My messages are not coming through to where i can see them. Can you?

[john]

RE: [unknown] My second grade class is interested in finding out a few facts about La Nina....we are from Stevens School in Upstate NY... This question is from Jeffrey How did La Nina get its name? La Nina got it's name as the "sister" to El Nino. El Nino meast the "boy child" which was given to a warm ocean current that forms off the South American coast every year around Christmas time and the name "El Nino" is for the Christ child. However, El Nino now has come to mean abnormally strong warmings not the one that is experienced eavery year.

[Paul/CPC]

RE: [unknown] which part of the world will la nina effect?

An excellent graphic on global effects is available on

http://nic.fb4.noaa.gov/products/analysis_monitoring/ensocycle/laninasfc.html

[john]

RE: [unknown] I heard we are supposed to get 8 feet of snow here in Everett, WA Is that true? 8' of snow in Everett, WA?? Where did you see that? We expect more snowfall than normal in the Pacific NW, but no THAT much!!

[Christos/GLOBE]

Please repeat you question with your name and I will answer it :)

[Jim]

RE: [unknown] In what way the La Niña Event is going to affect the natural disasters: for example: Volcanoes, earthquakes, and climate

We have not yet identified any relationships between La Nina and volcanoes or earthquakes - that doesn't mean there aren't any. Worldwide climate and weather has many influences from La Nina.

Many place will experience cooler, wramer, wetter or drier conditions, for example it will be drier and warmer than normal across the southern third of the US.

[Paul/CPC]

RE: [unknown] Could you tell me what problems are we going to have in Ecuador after the El Niño Event, because we are going to have a Science Fair in November and we would like to know what effect is going to have with the volcanoes, earthquakes and avalanches
Ecuador: Expect relative cool and dry conditions. Cooler waters may favor the fishing industry. As for earthquakes and volcanoes, they are not affected by La Nina.

[john]

RE: [unknown] Hello, I'm from Mercer Middle's GLOBE Student program. When did the first La Nina occur?
La Nina probably has occurred since the earth was created. However, we only have weather records for the last 150 years or so over the earth, so the only ones that we are aware of occurred over that period.

[unknown]

we are in everett washington near seattle

[unknown]

Hello from Fourth grade at Rancho Vista

[unknown]

WHO NAMED LA NINA? WHAT IS IT NAMED FOR?

[unknown]

HEY THIS IS TYFANNI WE ARE FROM ST. HELENS AND WE ARE SINGING OFF FOR NOW.

[Jim]

RE: [unknown] Could you tell me what problems are we going to have in Ecuador after the El Niño Event, because we are going to have a Science Fair in November and we would like to know what effect is going to have with the volcanoes, earthquakes and avalanches
I am soory that we cannot yet make specific forecasts about particular days or even months, during La nina.

[Sarah/Hylton_high/VA]

Okay question from Sarah at Hylton...What simalar effects does El Nino and La nina have?

[kyle/mercerc/gardencity]

Hello, I'd like to know how often does El nino occur?

[john/mercerc]

how do you think La Nina will affect the weather of the northwest United States

[Sarah/Hylton_high/VA]

oh yeah...the names are now showing...good job guys!!!

[Joshua/Mercer/GardenCity]

Who discovered that there was an La Nina

[Paul/CPC]

RE: [unknown] WHO NAMED LA NINA? WHAT IS IT NAMED FOR?

El Nino (The Boy) was named after Christmas because of when it was most noticeable. La Nina (The Girl) is the opposite, that is an abnormal cooling of waters in the Eastern Tropical Pacific. Both names come from the Spanish language.

[Students/Gateway]

How long will La Nina last?

[Christos/GLOBE]

Dear Chatters, the problem has been fixed and now you will be able to post your names. We are sorry for this problem!

[Chardae/Mercer/GardenCity]

What countries are not affected by El Nina?

[Brandon/Mercer/Savanna]

Hello , I would like to know how La Nina effects the animals and there environment? Mercer Middle

[Paul/CPC]

RE: [Sarah/Hylton_high/VA] Okay question from Sarah at Hylton...What similar effects does El Nino and La nina have?

Effects are not similar. La Nina (cold) and El Nino (warm) episodes affect the atmosphere quite differently.

[Marsha/Mercer/GardenCity]

Hi, again!! Who gave La Nino its name?

[Students/Gateway]

Will the weather conditions be dangerous in the city of Everett?

[dean/medfordnj]

will this la nina year effect the amount of severe wx next spring

[Marna/Hylton_High/VA]

Is La Nina characterized by severe weather as El Nino is characterized by weaker weather?

[William/SavannahGA]

How often does La Nina occur?

[JOHNSON/FERNBANKATLANTAGA]

HOW LONG WILL THE EFFECTS OF LA NINA LAST?

[Jim]

RE: [kyle/mercergardencity] Hello, I'd like to know how often does El nino occur?

Kyle, El Nino's occur every 3 to 5 years but sometime that range can be as little as 2 or as large as 7 years. We know they will return, but not always when.

[Paul/CPC]

RE: [john/mercer] how do you think La Nina will affect the weather of the northwest United States Cooler and wet than normal conditions are expected across the Northwest. Expect considerable day-to-day variability.

[Keli/gateway]

Our names are Andrew, Eli, Jesse, Kara, and Kevin. How much snow is there supposed to be in the Cascade Mountain Range this winter.

[kyle/mercer/gardencity]

Hello, It's me, Kyle again. How does a La Nina occur?

[Marie/Gateway]

How much snow are we going to get this year?

[JOHNSON/FERNBANKATLANTAGA]

JOHNSON/FERNBANK ATLANTA, GA: HOW LONG WILL THE EFFECTS OF LA NINA LAST?

[john/mercer]

whats up! Id just like to know if vegetation will be affected by La Nina

[Marie/Gateway]

How much snow are we going to get this year?

[Chardae/Mercer/GardenCity]

When did you find out about El Nina?

[Emilia/AbdnCaldernHighSchool]

My name is Eduardo. I work with Emilia Vinces in the same school and I'm a Biokinetic Engineer. My question is: what relationship have La Niña, El Niño events with the Greenhouse Effect

[Sarah/Hylton_High/VA]

With all the hype over El Nino...Do you expect the same kind of coverage and same sort of drastic change in weather patterns?

[Paul/CPC]

RE: [Chardae/Mercer/GardenCity] What countries are not affected by El Nina? Europe, northern Asia, and northeastern Africa show little effect from La Nina

[ERIN/WESTELEM/OHIO]

Stefan/westelem/ohio How is La nina going to affect Ohio?

[Students/Gateway]

what do you think about El Nino??

[Jim]

RE: [Students/Gateway] How long will La Nina last?

Gateway students, La Nina will likely last thru next spring, but the impact is usually strongest in the winter hemisphere.

[john]

La Nina was "discovered" over a number of years of research by many scientists. Recent technical advances (satellite, computers) certainly helped to collect & sort thru a lot of data.

[alyssa/RanchoVista]

Hi I would like to know how bad La Nina will be? Like El Nino will it strike at the same places or not? Do you think it will be more serious?

[Brandon/Mercer/Savanna]

How bad can La Nina and El Nino get?

[Paul/CPC]

RE: [JOHNSON/FERNBANKATLANTAGA] JOHNSON/FERNBANK ATLANTA, GA: HOW LONG WILL THE EFFECTS OF LA NINA LAST?

La Nina, like El Nino lasts several months to a year before it decays.

[Nghj/Mercer/Savannah]

What are the changes of La Nina on the environment?

[Paul/CPC]

RE: [Emilia/AbdnCaldernHighSchool] My name is Eduardo. I work with Emilia Vinces in the same school and I'm a Biokinetic Engineer. My question is: what relationship have La Niña, El Niño events with the Greenhouse Effect

None known.

[Kylee/Gateway]

Are you sure that La Nina is coming our way?

[Keli/gateway]

How much snow is supposed to in Centerville, Utah

[Joshua/Mercer/GardenCity]

Will La Nina Affect any of the polar regions

[unknown]

Alev/TED Ankara College/Turkey/ Hello Christos! Thank you for answering my question "with no name" about Europe.

[unknown]

Justin/West Elem./ Does the sun affect the heating and cooling.

[john]

RE: [Students/Gateway] Will the weather conditions be dangerous in the city of Everett?

We expect more than normal rainfall/snowfall in the Pacific NW this winter so there should be more storminess than in a typical winter.

[Paul/CPC]

RE: [ERIN/WESTELEM/OHIO] Stefan/westelem/ohio How is La nina going to affect Ohio? Wetter than normal in Ohio, with considerable variation in day-to-day conditions.

[Marsha/Mercer/GardenCity]

Hi, its me again. When was the last El Nino? La Nina?

[MrsCartwright2ndStevens]

Stevens school again! My next student Alice asked this question....Do animals know before humans when we are going to have a La Nina?

[kyle/mercergardencity]

Hello, It's me, kyle. Does a La Nina effect Africa?

[Jim]

RE: [John/mercergardencity] whats up! Id just like to know if vegetation will be affected by La Nina
Yes, John, La Nina will affect vegetation, hopefully not permanently - where it's drier, vegetation will suffer.

[Paul/CPC]

RE: [Kylee/Gateway] Are you sure that La Nina is coming our way?
Below normal sea surface temperatures in the eastern Tropical Pacific indicate a La Nina

[Paul/CPC]

RE: [Joshua/Mercer/GardenCity] Will La Nina Affect any of the polar reigons
No effects expected

[Christos/GLOBE]

RE: [unknown] Alev/TED Ankara College/Turkey/ Hello Christos! Thank you for answering my question "with no name' about Europe.
Hello Alev. Great to hear from you. Thanks for been patient during the technical difficulties we were having.

[Sarah/Hylton_High/VA]

where does La Nina effect directly?

[Chardae/Mercer/GardenCity]

What will be the average amount of snow New York recieves this winter?

[Emilia/AbdnCaldernHighSchool]

which animals are in danger of extinction related to the La Niña event

[Paul/CPC - 170 - 08:56:26]

RE: [unknown] Justin/West Elem./ Does the sun affect the heeting and cooling.
The sun is the external energy source for the earth. It affects everything!

[Students/Gateway]

Kylee La nina is coming our way! A hard winter!

[Keli/gateway]

About How much snow will we get in Everett this coming winter???

[john/mercerc]

Hola!how much rain will fall in mexico

[john]

RE: [alyssa/RanchoVista] Hi I would like to know how bad La Nina will be?Like El Nino will it srike at the same places or not?Do you think it will be more serious?

La Nina and El Nino are not "storms" in the sense that they form somewhere and "hit" places. Rather, they describe conditions over the Pacific Ocean which affect the atmosphere in a way different than "normal". In general, we expect more variability in our day-to-day weather this winter than normal.

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens school again! My next student Alice asked this question....Do animals know before humans when we are going to have a La Nina?

Animals adjust to their environment as needed. For example, fish will swim where their food supply is.

[Tasos_Panos_Greece]

Hello from Greece!!!! we are from the 3rd lyceum of Aigaleo we are glad chatting with you!!

[Jim]

RE: [kyle/mercerc/gardencity] Hello, It's me, kyle. Does a La Nina effect Africa?

Kyle, Yes, La Nina will effect Africa, for example, south Africa will tend to be wetter and cooler than normal

[MrsCartwright2ndStevens]

Stevens...this question is from Jacob...Will La Nina affect the whole earth?

[Paul/CPC]

RE: [Sarah/Hylton_High/VA] where does La Nina effect directly?

Eastern Tropical Pacific

[Christos/GLOBE]

RE: [Tasos_Panos_Greece] Hello from Greece!!!! we are from the 3rd lyceum of Aigaleo we are glad chatting with you!!

Hello Tasos. We're glad you can join us!

[Tasos_Panos_Greece]

We have lots of questions for you... ;)

[kylee/Gateway]

yes la nina is coming are way

[Paul/CPC]

RE: [Students/Gateway] Kylee La Nina is coming our way! A hard winter!
Not necessarily. La Nina is NOT a storm, it is an abnormal cooling of the eastern Tropical Pacific.

[Tasos_Panos_Greece]

Christos>You have a lot of greetings from Orfanos ;))

[MrsCartwright2ndStevens]

Stevens...from Georgina...Has La Nina always been there or has it only happened recently?

[Sarah/Hylton_High/VA]

El nino got a lot of publicity and hype...Do you expect the same for La Nina? ANd you expect the same drastic changes in the weather patterns?

[Jim]

RE: [Chardae/Mercer/GardenCity] What will be the average amount of snow New York recieves this winter?

Snow in New York will depend where you are - we cannot predict specific amounts, but during La Ninas NY tends to get above normal snow during the season as a whole.

[DianaHighMeadows]

How much of the rain in the U.S. comes from La Nina?

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens...this question is from Jacob...Will La Nina affect the whole earth?

No. Just certain areas. See <http://nic.fb4.noaa.gov> and select La Nina

[john]

RE: [Chardae/Mercer/GardenCity] What will be the average amount of snow New York recieves this winter?

We expect the Pacific NW region to get more snow than in a normal year, but we cannot say how much nor can we say much about an individual location.

[MrsCartwright2ndStevens]

Stevens...from Joey...does La Nina make hurricanes happen?

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens...from Georgina...Has La Nina always been there or has it only happened recently?

La Nina has been around for ages. It was only recently discovered.

[unknown]

Kyle/West Elem. Why was there more hurricanes this year?

[Christos/GLOBE]

RE: [Tasos_Panos_Greece] Christos>You have a lot of greetings from Orfanos ;))

Please give him my best and say hello to all your classmates.

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens...from Joey...does La Nina make hurricanes happen?
La Nina conditions in the eastern tropical Pacific favors hurricane activity in the Atlantic; however, the Atlantic season is just about over.

[MrsCartwright2ndStevens]

Stevens...from Carly What will La Nina do to our oceans?

[john]

RE: [Sarah/Hylton_High/VA] El nino got a lot of publicity and hype...Do you expect the same for La Nina?
AND you expect the same drastic changes in the weather patterns?

We expect more day-to-day variability in US weather this coming winter than El Nino or normal years.
Also, we think it will be cooler with more snow in the Pacific NW states but we do not expect the persistent storminess that we saw in California last winter.

[Jim]

RE: [DianaHighMeadows] How much of the rain in the U.S. comes from La Nina?

We cannot say exactly how much rain comes from La Nina, because even without La Nina there would be rain. We just know that it tends to influence the amount in many areas.

[AriJadeHighMeadows]

How does La Nina affect the water, does it make big waves?

[Paul/CPC]

RE: [unknown] Kyle/West Elem. Why was there more hurricanes this year?

La Nina conditions in the Pacific allowed for more favorable hurricane conditions in the Atlantic

[Paul/CPC]

RE: [AriJadeHighMeadows] How does La Nina affect the water, does it make big waves?

No.

[MrsCartwright2ndStevens]

Stevens from Nicholas...How did La Nina get started?

[Paul/CPC]

RE: [AriJadeHighMeadows] How does La Nina affect the water, does it make big waves?

Waters in the eastern tropical Pacific cool. No wave action.

[john]

RE: [MrsCartwright2ndStevens] Stevens...from Carly What will La Nina do to our oceans?

La Nina results in cooler ocean temperatures in the central Pacific Ocean near the equator - but it is a natural part of our climate system!

[Emilia/AbdnCaldernHighSchool]

Have something to do the Ozone layer with the El Niño even or with The La Niña event?

[MrsCartwright2ndStevens]

Stevens...from Megan...How many years do they expect this to be going on?

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens from Nicholas...How did La Nina get started?

La Nina is a cooling of the waters of the eastern Tropical Pacific - a naturally-occurring cycle of warming and cooling.

[Sarah/Hylton_High/VA]

is there going to be any sort of change on the east coast that could possibly get me out of Mid-terms? :)

[Tasos_Panos_Greece]

What kind of climatic phenomenon La Nipa is?

[Paul/CPC]

RE: [MrsCartwright2ndStevens] Stevens...from Megan...How many years do they expect this to be going on?

El Nino and La Nina tend to occur about every 3-4 years.

[Scott/HighMeadows]

How greatly can La Nina effect the way people live?

[Joshua/Mercer/GardenCity]

Is it possible that there will be massive flooding in the U.S.

[john]

RE: [MrsCartwright2ndStevens] Stevens from Nicholas...How did La Nina get started?

La Nina has occurred, on average, every 4-7 years and has probably occurred since earth had an ocean and atmosphere. It was only "discovered" fairly recently due to advances in technology and knowledge.

[expert/expert]

RE: [Emilia/AbdnCaldernHighSchool] Have something to do the Ozone layer with the El Niño even or with The La Niña event?

Emilia, We know of no interaction between the Ozone Layer and El Nino/La Nina - but that doesn't mean that there are no possible connections - just not likely.

[Paul/CPC]

RE: [Sarah/Hylton_High/VA] is there going to be any sort of change on the east coast that could possibly get me out of Mid-terms??? :)

Study hard for the mid-terms! We do not get off that easy!

[Paul/CPC]

RE: [Scott/HighMeadows] How greatly can La Nina effect the way people live?

I expect effects to be minimal. People are very adaptable.

[john]

RE: [MrsCartwright2ndStevens] Stevens...from Megan...How many years do they expect this to be going on?

We expect the current La Nina to continue until middle 1999.

[expert/expert]

RE: [Tasos_Panos_Greece] What kind of climatic phenomenon La Nipa is?

La Nina is a climaet phenomenon which involves every weather parameter you can imagine - rain, air pressure, winds, temperature, etc.

[Sarah/Hylton_High/VA]

That's ridiculous; we should be getting some snowfall as a result to La Nina over here near D.C. right?

[Paul/CPC]

RE: [Joshua/Mercer/GardenCity] Is it possible that there will be massive flooding in the U.S.

We would need a lot of snow in the winter to generate massive flooding next spring. If the Pacific Northwest has a lot of major storms they could see flooding this winter.

[Sarah/Hylton_High/VA]

When is the next la Nina year?

[nick/gateway/everett/WA]

What exactly is La'Nina?

[Paul/CPC]

RE: [Sarah/Hylton_High/VA] GOD! That is ridiculous...we should be getting some sort of snow fall as a result to La Nina over here near D.C. right?

Because of the amplitude of the jet stream I would expect highly variable condtions. As for school, most state laws require a minimum of 180 days per academic year, so you won't get out of it!

[Paul/CPC]

RE: [Sarah/Hylton_High/VA] When is the next la Nina year?

We do not know.

[john]

RE: [Sarah/Hylton_High/VA] GOD! That is ridiculous...we should be getting some sort of snow fall as a result to La Nina over here near D.C. right?

La Nina is only one factor ... generally speaking, we expect less snowfall in the mid-Atlantic states (including D.C.) during La Nina as we expect the strom track to be further west than normal. However, 1995-96 was a weak La Nina year and we set records all along the East Coast! This was due primarily to an atmospheric pattern that doesn't appear to berelated to La Nina.

[alyssa/RanchoVista]

Wow, There is certainly alot of info. about La Nina!! Thank You for answering all of our questions

[Blake/gateway/EverettWA]

How cold is it going to get?

[Paul/CPC]

RE: [nick/gateway/everett/WA] What exactly is La'Nina?

La Nina is the abnormal cooling of the waters of the eastern tropical Pacific.

[Jim]

RE: [Sarah/Hylton_High/VA] When is the next La Nina year?

Sarah, after this 1998-99 La Nina year we do not know when the next one will be. Sometime between 2 and seven years from now is most likely.

[Brianna_Gateway]

About how many feet of snow will we get in Washington this winter?

[Paul/CPC]

RE: [Blake/gateway/EverettWA] How cold is it going to get?

With a lot of amplitude in the jet stream I would expect some very cold days. Can't give an exact value though.

[scandall]

What's the newest hurricane

[Emilia/AbdnCaldernHighSchool]

Thanks for your info. Anything you want to know about Ecuador we are able to please you. Eduardo and Emilia.

[Paul/CPC]

RE: [Brianna_Gateway] About how many feet of snow will we get in Washington this winter?

We do not know yet.

[Sarah/Hylton_High/VA]

Is there the same sort of yearly pattern with La Nina like there is with El Nino?

[Matthew/HighMeadows]

How fast do La Nina and El Nino travel?

[john]

RE: [Tasos_Panos_Greece] We would like to learn something about the phenomenon of NAO??

The NAO or "North Atlantic Oscillation" is a pattern of atmospheric flow that occurs periodically but is not (as of yet) predictable. I hope that excites you to study meteorology to help solve these puzzles!

[Christina/gateway]

WILL SCHOOL BE DELAYED A LOT THIS YEAR?

[AustinMichieTN]

What is La Nina about?

[holly/westelem]

Will Ohio have more snow than usual?

[Paul/CPC]

RE: [scandall] What's the newest hurricane

Depends on what ocean it is in!

[Paul/CPC]

RE: [Matthew/HighMeadows] How fast do La Nina and El Nina travel?
They do not travel. They are phenomena observed in the eastern tropical pacific.

[Karla/Gateway/EverettWA]

how many feet of snow are we going to get in Seattle?

[Sarah/Gateway/Everett/WA]

I live in Everett W.A. could you tell me if we are going to get snow?If so could you tell me how many inches high it will be or if it will last long?

[Robbie/gateway/EverettWA]

How did El Nina start?

[nick/gateway/everett/WA]

about when will the first snow come?

[Paul/CPC]

RE: [Christina/gateway] WILL SCHOOL BE DEYLATED ALOT THIS YEAR?
Probably not.

[Paul/CPC]

RE: [holly/westelem] Will Ohio have more snow then usual?
I would expect more snow than normal in Ohio.

[Paul/CPC]

RE: [Karla/Gateway/EverettWA] how many feet of snow are we going to get in Seattle?
We do not know yet.

[Tasos_Greece]

I told you that I live in Greece....So,which are the affections of NAO in Greece?...or in general in Europe...

[john]

RE: [Sarah/Hylton_High/VA] is there the same sort of yearly pattern with La Nina like there is with El Nino?

In general, they are opposite. Where it tends to be wet during El Nino, it tends to be dry during La Nina. However, last year's El Nino was one of the largest ever observed and the present La Nina is not nearly as impressive.

[Paul/CPC]

RE: [Sarah/Gateway/Everett/WA] I live in Everett W.A. could you tell me if we are going to get snow?If so could you tell me how many inches high it will be or if it will last long?
We do not know yet.

[Jim]

RE: [AustinMichieTN] What is La Nina about?

La Nina is about changing water temperatures in the equatorial Pacific which results in changing jet streams and weather pattern around the world.

[Christina/gateway]

Do you think there will be enough snow so that we can go snowboarding alot and that the animal will hibernate for a long time?

[Paul/CPC]

La Nina is a cooling of the waters in the eastern tropical Pacific.

[Petr/Kadan/cz]

What might be the effects of La Nina in Central Europe, especially in the Czech Republic ?

[Paul/CPC]

RE: [Christina/gateway] Do you think there will be enough snow so that we can go snowboarding alot and that the animal will hibernate for a long time?

The animals are smart -- they will hibernate. As for snowboarding -- have fun!!

[nick/gateway/everett/WA]

What is the difference between el nina and la nina?

[Christina/gateway]

will ther be alot of snow

[Brianna_Gateway]

How cold is it expected to be this winter in WA?

[Paul/CPC]

RE: [Petr/Kadan/cz] What might be the effects of La Nina in Central Europe, especially in the Czech Republic ?

I do not expect any significant effects from La Nina in the Czech Republic.

[Hollywood/Tennessee]

So,tell us some things about La Nina!

[Sarah/Gateway/Everett/WA]

Is it going to rain ALOT in everett washington

[Jim]

RE: [Robbie/gateway/EverettWA] How did El Nina start?

We do not know how La Nina started - they have likely been happening for thousands or millions of years. This particular La Nina started when cool ocean temperatures below the surface were brought to the surface by easterly winds in the eastern Pacific Ocean.

[Tom/CliftonEl/Atlanta]

What weather readings do you take to predict a year of La Nina?

[Christina/gateway]

WILL WE GET SNOWED IN

[Robbie/gateway/EverettWA]

Sorry, How did La Nina start

[john]

RE: [Tasos_Greece] I told you that I live in Greece....So,which are the affections of NAO in Greece?...or in general in Europe...

The current NAO phase (if it continues) would imply a more rainy winter than normal. However, the NAO pattern is not predictable, so the present conditions may not continue thru this winter.

[Paul/CPC]

RE: [nick/gateway/everett/WA] What is the difference between el nina and la nina?

La Nina is a cooling of waters in the eastern tropical Pacific. El Nino is the opposite -- a warming. They form a natural cycle.

[katie/kendra/Gateway/Everett/WA]

What would happen if La Nina and El Nina interact

[Casey/Westelem]

will La Nina affect the lake effect weather from Lake Erie?

[scandall]

Do you keep up with tornado's

[Paul/CPC]

RE: [Sarah/Gateway/Everett/WA] Is it going to rain ALOT in everett washington

Expect it to be wetter than normal.

[Jim]

RE: [Christina/gateway] will ther be alot of snow

Christina - it depends where you live. The Northwest and north central US are likely to have more than normal

[AustinMichieTN]

What do you predict the weather in TN will be like this winter?

[Paul/CPC]

RE: [Christina/gateway] WILL WE GET SNOWED IN

Do not expect it.

[Sarah/Gateway/Everett/WA]

will there be thunderstorms this weekend

[Paul/CPC]

RE: [Robbie/gateway/EverettWA] Sorry, How did La Nina start

La Nina is a cooling of the waters of the eastern tropical Pacific, a part of a natural warming and cooling cycle.

[john]

RE: [Tom/CliftonEl/Atlant] What weather readings do you take to predict a year of La Nina?
We look at sea level pressure, ocean temperatures both at and below the surface, rainfall patterns in the tropics, and many observations of temperature and winds in the upper atmosphere.

[Karla/Gateway/EverettWA]

How cold is it going to get in Washington?

[Christina/gateway]

I live in Everett WA, will we get lots of snow?

[Brynn/gateway/everett/WA]

When will we have our first snow here in Everett, WA?

[Paul/CPC]

RE: [Casey/Westelem] will La Nina affect the lake effect weather from Lake Erie?
With a highly variable jet stream I would be alert for a strengthening of lake-effect weather along the Great Lakes.

[Sarah/Gateway/Everett/WA]

will there be alot of wind and thunder storms this fall in everett

[Jim]

RE: [katie/kendra/Gateway/Everett/WA] What would happen if La Nina and El Nina interact
Katie & Kendra, The do interact, but do not fight each other - one sort of replaces the other - like warm & cold water sloshing in a bathtub.

[Blake/gateway/EverettWA]

How much snow are we going to get?

[Paul/CPC]

RE: [AustinMichieTN] What do you predict the weather in TN will be like this winter?
Probably warmer and drier than normal.

[Marin/OS/VN/Virovitica/CROATIA]

Hello everybody from Croatia!

[Brianna_Gateway]

Aout when will the first snow fall be in WA?

[john]

RE: [AustinMichieTN] What do you predict the weather in TN will be like this winter?
Tennessee doesn't appear to be affected much by La Nina. I would expect near-normal conditions

[Jim]

RE: [Sarah/Gateway/Everett/WA] will there be thunderstorms this weekend
Sarah, Check your local forecasters - they know best about upcoming weather in your local area.

[Christina/gateway]

How many questions are you answering per minute?

[Christos/GLOBE]

RE: [Marin/OS/VN/Virovitica/CROATIA] Hello everybody from Croatia!
Hello Marin. We are glad you can join!

[Louis/WestElem]

When will La Nina start effecting the U.S.

[Petr/Kadan/cz]

Thank you Paul. As we have a partner school in Norway. We would like to know the effects of La Nina for this country. What is meant by the opposit effect of La Nina versus El Nina?

[Brynn/gateway/everett/WA]

What is the meaning of life?

[Paul/CPC]

RE: [Christina/gateway] I live in Everett WA, will we get lots of snow?
It will be cooler than normal in Everett, WA. We do not know how much snow they will get or when it will fall. Expect more wind than normal, but thunder is rare.

[Lynn/HighMeadows]

Did el Nino last longer than expected, and how long do we expect to be affected by la Nina?

[Brianna_Gateway]

What is the winter going to be like in New York?

[Christina/gateway]

What's the weather gonna be like in thailand ?

[TasosGiannis/Athens/Greece]

Does La Nina has opposites affections in climate than El Nino?In the locations where it was raining now the weather is dry?

[Paul/CPC]

RE: [Christina/gateway] How many questions are you answering per minute?
As many as I can. Unfortunately my fingers are slower than my brain!!!

[fred/CliftonEI/Atlanta]

Which is more destructive El Nino or La Nina?

[john]

RE: [Louis/WestElem] When will La Nina start effecting the U.S.
Wintertime is the season with the most impact on US weather by both El Nino and La Nina

[Rachel/Gateway/EverettWA]

Is there a possibility of snow in early november?

[Paul/CPC]

RE: [Petr/Kadan/cz] Thank you Paul. As we have a partner school in Norway. We would like to know the effects of La Nina for this country. What is meant by the opposit effect of La Nina versus El Nina?
El Nino is a warming of waters in the eastern tropical Pacific while La Nina is a cooling of the waters in the same area.

[Jim]

RE: [Brynn/gateway/everett/WA] What is the meaning of life?
Brynn, Life is whatever you make it!

[Sarah/Gateway/Everett/WA]

where are you located right now

[Paul/CPC]

RE: [Christina/gateway] What's the weather gonna be like in thailand ?
Hot and humid.

[Marin/OS/VN/Virovitica/CROATIA]

Hi, Christos I'm interested in affect of La-Nina on this winter weather in SE Europe, especially on Croatia!?

[john]

RE: [Lynn/HighMeadows] Did el Nino last longer than expected, and how long do we expect to be affected by la Nina?
El Nino lasted about as long as expected - we expect La Nina conditions to persist thru the middle of 1999

[Paul/CPC]

RE: [TasosGiannis/Athens/Greece] Does La Nina has opposites affections in climate than El Nino?In the locations where it was raining now the weather is dry?
La Nina tends to have the opposite effects on weather.

[katie/kendra/Erin/Gateway/Everett/WA]

WHEN WILL EL NINA EFFECT EVERETT

[Christina/gateway]

Where do you live , maybe I can visit your home state

[Brynn/gateway/everett/WA]

When will we gi our first snow?

[Jim]

RE: [fred/CliftonEl/Atlant] Which is more destructive El Nino or La Nina?
We cannot say what is more destructive - depends where you are - there are many winners and loser during each type of event,.

[john]

RE: [Rachel/Gateway/EverettWA] Is there a possibility of snow in early november?

Sure there's a possibility but it is to far in the future for us to forecast snowfall that far in advance.

[Brianna_Gateway]

What is the winter going to be like in California?

[Paul/CPC]

RE: [Sarah/Gateway/Everett/WA] where are you located right now
Camp Springs, MD, a suburb of Washington, DC, about 10 miles southeast of the White House

[Paul/CPC]

RE: [Brynn/gateway/everett/WA] When will we get our first snow?
La Nina will cause cooler and wetter than normal conditions in the Northwest, but we do not know about snow.

[john]

RE: [fred/CliftonEl/Atlant] Which is more destructive El Nino or La Nina?
It is hard to say ... remember that while we read/heard about all the devastation in California during last year's El Nino, much of the country enjoyed a relatively mild winter which saved a lot of energy (and money!)

[Jim]

RE: [Brynn/gateway/everett/WA] When will we get our first snow?
Brynn, Depends on what elevation you live at - we can't say for sure.

[Jim]

RE: [Brynn/gateway/everett/WA] When will we get our first snow?
Brynn, Depends on what elevation you live at - we can't say for sure.

[Paul/CPC]

RE: [Christina/gateway] Where do you live , maybe I can visit your home state
It is not a good idea to visit people you meet on the 'Net until you clear it with your parents. In fact parents, teachers, or other responsible adults should supervise youth when they access the Internet.

[Christina/gateway]

What are your names/

[Tasos_Giannis/Athens/Greece]

Could you tell us the effects of La Nina in Mediterranean?

[john]

RE: [Marin/OS/VN/Virovitica/CROATIA] Hi, Christos I'm interested in affect of La-Nina on this winter weather in SE Europe, especially on Croatia!?
There does not appear to be much affect of La Nina in Europe in general.

[Harley/gateway/everett/WA]

what is snow and rain?

[Robbie/gateway/EverettWA]

Is your job to answer these questions?

[Paul/CPC]

RE: [Brianna_Gateway] What is the winter going to be like in California?
California is expected to be drier than normal.

[Rachel/Gateway/EverettWA]

Is this winter expected to be worse than 1996?

[Louis/WestElem]

Will La Nina effect the wildlife around us?

[Brianna_Gateway]

what will be the effects of La Nina?

[Christos/GLOBE]

RE: [Marin/OS/VN/Virovitica/CROATIA] Hi, Christos I'm interested in affect of La-Nina on this winter weather in SE Europe, especially on Croatia!?

Marin, La Niña should have little or no effect on the weather of SE Europe. However, I am not an expert on the subject so you should ask Jim, John, or Paul for a more detailed answer.

[katie/kendra/Erin/Gateway/Everett/WA]

WHY DID YOU DECIDE TO STUDY EL NINA AND EL NINO?

[Faizan/CliftonEI/Atlanta]

Why did they name it La Nina?

[Sarah/Gateway/Everett/WA]

will there be alot of thunder and lightning storms this fall for everett

[Jim]

RE: [Louis/WestElem] Will La Nina effect the wildlofi around us?

Louis, Yes, wildlife will be effected is some ways. Dry or wet winter conditions will likely have an impact on many animals.

[Greg/gateway/everett/WA]

I live at 2000 foot elevation. in everett wa. when will it snow.

[john]

RE: [Tasos_Giannis/Athens/Greece] Could you tell us the effects of La Nina in Mediterranean?

La Nina doesn't appear to have much (if any) influence in the Med. region

[Paul/CPC]

RE: [Harley/gateway/everett/WA] what is snow and rain?

Rain is liquid water that falls from clouds. Snow is frozen water that falls while sleet is liquid water that freezes as it falls. Freezing rain is liquid that freezes on contact with a cold surface

[Paul/CPC]

RE: [Robbie/gateway/EverettWA] Is your job to answer these questions?
yes

[john]

RE: [Rachel/Gateway/EverettWA] Is this winter expected to be worse than 1996?
We expect more cold weather & snow in the Pac. NW states this winter - is that better or worse?

[Anthony/CliftonEl/Atlanta]

What effects does La Nina and El Nino have on marine animals?

[Paul/CPC]

RE: [katie/kendra/Erin/Gateway/Everett/WA] WHY DID YOU DECIDE TO STUDY EL NINA AND EL NINO?
I am curious about natural processes at the earth's surface: meteorology, geology, and geography.

[katie/Erin/Gateway/Everett/WA]

WHEN DID YOU BECOME A SCIENTIST?

[john]

RE: [Louis/WestElem] Will La Nina effect the wildlife around us?
Not likely; they are part of nature just like La Nina

[Paul/CPC]

RE: [Greg/gateway/everett/WA] I live at 2000 foot elevation. in everett wa. when will it snow.
I do not know.

[Sarah/Gateway/Everett/WA]

Whats the weather like where you are

[Blake/gateway/EverettWA]

Is it going to get anywhere near 22 degrees?

[Brianna_Gateway]

Do you like answering these questions?

[Jim]

RE: [Brianna_Gateway] what will be the effects of La Nina?
Brianna, La Nina will have many effects - more rain & snow than normal in NW & north central U. S.
Dryness and drought in many parts of the southern US. Other countries will have similar impacts. Our web sites at NOAA have many details on the impacts.

[Paul/CPC]

RE: [Anthony/CliftonEl/Atlanta] What effects does La Nina and El Nino have on marine animals?
Both affect marine life by causing migration of fish. Fish prefer the cooler waters because they contain more nutrients.

[john]

RE: [katie/Erin/Gateway/Everett/WA] WHEN DID YOU BECOME A SCIENTIST?

Officially when I finished college and began working but I have always been interested in all aspects of science.

[Tasos_Giannis/Athens/Greece]

Christos>>Giannis Orfanos is with me ;))

[Greg/gateway/everett/WA]

What is metrology?

[Christos/GLOBE]

RE: [Sarah/Gateway/Everett/WA] Whats the weather like where you are
It is sunny and about 12 degrees C.

[katie/Erin/Gateway/Everett/WA]

WHAT IS METEOROLOGY, GEOLOGY?

[Paul/CPC]

RE: [katie/Erin/Gateway/Everett/WA] WHEN DID YOU BECOME A SCIENTIST?
I put myself through college after serving in the United States Air Force. That was 30 years ago.

[Paul/CPC]

RE: [Brianna_Gateway] Do you like answering these questions?
yes

[Christos/GLOBE]

RE: [Tasos_Giannis/Athens/Greece] Christos>>Giannis Orfanos is with me ;))
Hello Gianni. I hope all is well in Aegaleo.

[Brianna_Gateway]

how much snow would guess we'd be getting this winter?

[shorty/gateway]

so, anyway i heard we're having the worst winter in a long time is dat tru

[Rachel/Gateway/EverettWA]

If you live at 500 ft.when can you expect your first snow?

[Sarah/Gateway/Everett/WA]

are you working in an office or at your house

[Paul/CPC]

RE: [katie/Erin/Gateway/Everett/WA] WHAT IS METEOROLOGY, GEOLOGY?
meteorology - the study of weather geology - the study of the earth

[katie/Erin/Gateway/Everett/WA]

WHAT OTHER RESOURCE WOULD YOU WANT TO STUDY?

[Harley/gateway]

How is the weather like in the Phillipines?

[Jim]

RE: [Greg/gateway/everett/WA] What is metrology?

Meteorology is the study of weather and climate.

[sarah/gateway/kansas]

is it going to be cold in Antarctica

[Marin/OS/VN/Virovitica/CROATIA]

Hello Jim, John and Paul! Is the size of previous El-Nino in any relation with the size of following La-Nina?

[Paul/CPC]

We answer questions from the office. We do not yet know how much snow you will get. Expect a wetter and cooler winter than normal.

[john]

RE: [katie/Erin/Gateway/Everett/WA] WHAT OTHER RESOURCE WOULD YOU WANT TO STUDY?

Oceanography and hydrology.

[Tasos_Giannis/Athens/Greece]

Christos>Hi Christos...Here we are all fine!!The "Alexandros" program is getting well and the participations in that program this year is 100 students!!I hope to see you soon...

[katie/Erin/Gateway/Everett/WA]

WHAT WAS THE LOWEST GRADE YOU EVER GOT IN SCIENCE?

[Harley/gateway]

How is the weather like in New Jersey?

[Paul/CPC]

RE: [katie/Erin/Gateway/Everett/WA] WHAT OTHER RESOURCE WOULD YOU WANT TO STUDY?

Anything on the surface of the earth can I can observe with my own eyes.

[Jim]

RE: [Harley/gateway] How is the weather like in the Phillipines?

Harley, The Phillipines are usually warm and humid with plenty of rain.

[Petr/Kadan/cz]

How can I make a copy of all questions and answers of this chat ?

[katie/Erin/Gateway/Everett/WA]

WHAT IS OCEANOGRAPHY AND HYDROLOGY?

[john]

RE: [Marin/OS/VN/Virovitica/CROATIA] Hello Jim, John and Paul! Is the size of previous El-Nino in any relation with the size of following La-Nina?

Excellent question. The last El Nino was one of the largest ever observed. The current La Nina is weak and we do not expect it to increase significantly - certainly not to the "size" of the 1997-98 El Nino.

[Paul/CPC]

RE: [katie/Erin/Gateway/Everett/WA] WHAT WAS THE LOWEST GRADE YOU EVER GOT IN SCIENCE?
I have never received a D or an F in ANY college subject that I have attempted -- that includes general education, core courses, math, and science.

[Jim]

RE: [Marin/OS/VN/Virovitica/CROATIA] Hello Jim, John and Paul! Is the size of previous El-Nino in any relation with the size of following La-Nina?

Marin, The size of one does not necessarily relate to the size of the following one. El Nino's generally cover much more ocean area.

[Louis/WestElem]

Why did you become a scientist?

[BillyBlue/gateway]

When are we gonna have a earthquake in Washington

[Petr/Kadan/cz]

Where and how can I become all information about La Nina?

[Tasos_Giannis/Athens/Greece]

It's late....we have to go now...See you in the next WebChat Good night to everybody... <<Kalh nyxta!!>>

[Christos/GLOBE]

RE: [Tasos_Giannis/Athens/Greece] Christos>Hi Christos...Here we are all fine!!The "Alexandros" program is getting well and the participations in that program this year is 100 students!!I hope to see you soon...

I hope so too! I am keeping in touch with Costas Kartalis so I know the great progress that the Program is making in Greece. Are you and your students working on any other projects?

[Paul/CPC]

RE: [Petr/Kadan/cz] How can I make a copy of all questions and answers of this chat ?

Check with your teacher or ask Christos. I believe the chat is archived.

[john]

RE: [katie/Erin/Gateway/Everett/WA] WHAT IS OCEANOGRAPHY AND HYDROLOGY?

Oceanography is the study of the oceans; hydrology is the study of water resources over land. These 2 sciences and meteorology are strongly related.

[BillyBlue/gateway]

Is it gonna be really sunny in washington?

[john]

RE: [BillyBlue/gateway] When are we gonna have a earthquake in Washington

We donot know - you need to ask a volcanologist. Meteorologists study the atmosphere.

[Paul/CPC]

RE: [BillyBob/Gateway/EverettWA] Why does gas smell?

A chemical is added to natural gas to make it smell so one would be alert to dangerous leaks. If you smell gas go to a place far where there is no smell and call the gas company. Do not light a match or create sparks if you smell gas!!

[Harley/gateway]

Is it gonna rain tomorrow in Washington?

[LindaRteacher/Mercer]

Thank you for your prompt responses and enthusiasm. Students at Mercer Middle School, Savannah, Georgia enjoyed this event. We have printed transcript to further study responses and generate research questions. Signing Off...

[john]

RE: [Petr/Kadan/cz] Where and how can I become all information about La Nina?

A good source is the Climate Prediction Center web page: <http://nic.fb4.noaa.gov>

[Christos/GLOBE]

RE: [Paul/CPC] Check with your teacher or ask Christos. I believe the chat is archived.

Petr, all the questions and answers from today's chat will be archived on GLOBE's website.

[Tasos_Giannis/Athens/Greece]

Christos>Yes...in Commenius...and we participate in many Greek competitions about climate..bye

[Jim]

RE: [Louis/WestElem] Why did you become a scientist?

Louis, I became a scientist because I love understanding the thing that happen around me and how they can be predicted using certain math & physics approaches.

[Marin/OS/VN/Virovitica/CROATIA]

Hi Jim! In which year in past La-Nina achieved it's greatest value?

[Paul/CPC]

RE: [Harley/gateway] Is it gonna rain tomorrow in Washington?

Please consult NOAA Weather Radio.

[LindaRteacher/Mercer]

Thank you for your prompt responses and enthusiasm. Students at Mercer Middle School, Savannah, Georgia enjoyed this event. We have printed transcript to further study responses and generate research questions. Signing Off...

[Christos/GLOBE]

Dear GLOBE chat participants. Our chat will be ending in about 10 minutes so we'll have time for only a few more questions.

[john]

The strongest La Ninas that we have observed over the past 50 years (the period for which we have reliable data) were during 1973-1974 and 1988-1989

[Paul/CPC]

RE: [leo/gateway/wa] hi!my name is leonardo di caprio
I am Paul. Leodardo means lion-hearted.

[Paul/CPC]

RE: [LindaRteacher/Mercer] Thank you for your prompt responses and enthusiasm. Students at Mercer Middle School, Savannah, Georgia enjoyed this event. We have printed transcript to further study responses and generate research questions. Signing Off...
Thank you for joining us!

[Paul/CPC]

RE: [Christos/GLOBE] Dear GLOBE chat participant. Our chat will be ending in a about 10 minutes so we'll have time for only a few more questions.
Questions dropped off rapidly!!

[Marin/OS/VN/Virovitica/CROATIA]

Goodby from CROATIA and our GLOBE students Marin, Marija, Martina, Marija (2nd), Matija, all 13 years old, and their GLOBE-teacher Zlatko! Thanks for all the answers!

[Christos/GLOBE]

I would like to thank our experts, Jim Laver, John Janowiak, and Paul Sabol for their wonderful answers and all of you for participating. Please check our schedule for future chats!