Once in a Century Climate Events are now Our New Norm



Pakistan records the lowest December temperature ever in their country's history breaking the previous low at the bottom of Solar Cycle 22, 1994 in Skardu City at 5° Fahrenheit below zero. In addition to this city, many locations recorded record lows either tied or nearly broke old records.



The city's low of -21C (-5.8F) breaks Pakistan's all-time December low temperature, which was set back in 1994 (approaching solar minimum of cycle 22).

In addition, record *or near-record* lows were also registered in Gupis and Bagrote with their readings of -12C; in Astore with -11C; in Gilgit with -7C; and in both Kalam and Kalat with their lows of -5C.

If you are a trekker the cold event was mainly focused up in the Karakoram and Hindu Kush Himalayan range, as has been seen through the last couple of years, exceptional snows, new weather patterns, and new precipitation patterns are forming across the Himalaya. This record cold is just another indicator that something is changing in the range.



Likewise, Delhi recorded its coldest December day, second coldest since 1901. It seems that wherever you look, extremes in temperature, weather and in the Jetstream's behavior can be observed, more like in your face plain as day for the global populace to see.

THE WATCHERS Watching the world evolve and transform	LANTITOTANOLO	SEVERE WEATHER	SPACE WEATHER	SPACE
	Delhi records coldest December day, second coldest December since 1901			
	Delhi has just recorded its coldest day for the month of December on Monday, December 30, 2019, the Indian Meteorological Department (IMD) confirmed. The station in Safdarjung reported 9.4 °C (48.9 °F), which is 11.4 °C (20.5 °F) below normal and the			
	December 30, 2019			

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These extreme weather conditions are brought on by the declining magnetic field of the Sun that affects the Earth. Note that the Earth's magnetic shielding and field are what lock the jet streams and cloud cells in place, therefore, when that is loose the jet streams can wander anywhere.



The contrast in European temperatures, especially in Norway where patterns of 10 to 15°C above normal are setting up, a perfect example of these wandering jet streams.



severe-weather.EU @severeweatherEU · 15h

An impressive temperature contrast across Europe today. After Norway reaching almost +15 °C yesterday, strong warm advection continues today. Further south, cold advection continues across east-central Europe and the Balkans.



Norway's temperature, which was in the 50's°F for the end of December, and exceptional below freezing temperatures in the Balkans are unheard of. The temperatures have actually reversed themselves due to anomalous movements of the jet stream flows. Furthermore, heat will be the next thing over more northerly latitudes as more and more extra tropical cyclones continue later in the season.



Expect warmer temperatures at times because air that is being drug up from the central Atlantic is much warmer than the Arctic air that the cyclonic lows are displacing.



Also, these weather mix-ups, in the image below, shows that the cloud pattern is over the Balkans, which is where the extreme cold is. So, as you can see, atmospheric disturbance is present wherever temperature extremes are taking place.



severe-weather.EU @severeweatherEU · 16h

A spectacular satellite view of the wave clouds across the Dynaric mountain range (Croatia) yesterday, Dec 29th. Notice a very large Lee wave lenticular cloud north of Zadar. Image: @NASA MODIS

Did anyone get ground photos of these clouds yesterday?



Perfect example of another heat wave in the Scandinavian countries during winter is because of these extra tropical cyclones blowing past Iceland, then up to Norway, Sweden, and Finland. This will always bring higher temperatures because warmer water dense lows are going to have more force and power to push that arctic air out of the way.



This graphic shows how the polar vortex works. Stable polar vortex on the left side, think of the intensity of the blue as how strong our jet streams are being held in place.

Over the next few years with the intensifying Grand Solar Minimum (GSM), I would say that we have to make a third globe on the right that is totally opaque, where jet streams move and double back on themselves completely out of season.



This is expected in a Grand Solar Minimum, as the magnetic field on our Earth responds to the Sun, which is going through a 400-year low solar cycle. We are in the low of the 11-year solar cycle right now, but the Sun also operates on a larger cycle, like a 400-year cycle.

So when solar activity goes low on a 400-year cycle, the Earth responds accordingly, and this is exactly what are seeing right now and why most storms are the record breaking 100+ year event.

THE SUN DEFINES THE CLIMATE



Habibullo Abdussamatov, Dr. Sc.

Fig. 3. Variation in the TSI drawing on the data reconstruction of Lean, J.L (2000) and Wang Y. - M., Lean J.L., Sheeley N.R. (2005) up to 1978, sunspot activity of the Sun from 1611, and changes forecast by us after 2008 (dotted lines).

So happens that once-in-a-lifetime stratospheric clouds are spotted in the same spot where they had the record warmth. Do you think they are related at all? Do you think the atmospheric disturbance have anything to do with this?

"ONCE IN A LIFETIME" STRATOSPHERIC CLOUDS: A spectacular outbreak of polar stratospheric clouds (PSCs) is underway around the Arctic Circle. "This is a once in a lifetime event," says Chad Blakley, who runs the <u>Lights over</u> <u>Lapland</u> aurora tour service in Abisko, Sweden. "No question, this is the best that any of us have ever seen." Tour guide Paige Ellis took this video showing the clouds' aurora-like colors on Dec. 29th:



Look at these clouds, for instance. People thought it was daytime Aurora's at first.



This is a result of a polar stratospheric disturbance.



Thanks for reading, I hope you got something out of the article. If you like more content like this, I produce the tri-weekly Mini Ice Age Conversations podcast of a 30-minute in-depth analysis on the GSM you can take on the go through out your day.

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*** Story Links ***

Delhi records coldest December day, second coldest December since 1901 https://watchers.news/2019/12/30/delhi-records-coldest-december-daysecond-coldest-december-since-1901/

THE MERCURY IN SKARDU, PAKISTAN PLUNGES TO A RECORD-BREAKING -21C (-5.8F) https://electroverse.net/temp-in-skardu-pakistan-plunges-to-a-recordbreaking-21c-5-8f/

ONCE IN A LIFETIME" STRATOSPHERIC CLOUDS https://spaceweather.com/

Stratospheric clouds <u>https://pbs.twimg.com/media/EM-</u> JXPTXkAIDOhf?format=jpg&name=small <u>https://pbs.twimg.com/media/ENC-</u> <u>uBtUUAAKDjk?format=jpg&name=small</u>

Huge temperature contrast across Europe today https://www.severe-weather.eu/mcd/huge-temperature-contrast-acrosseurope-mk/

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