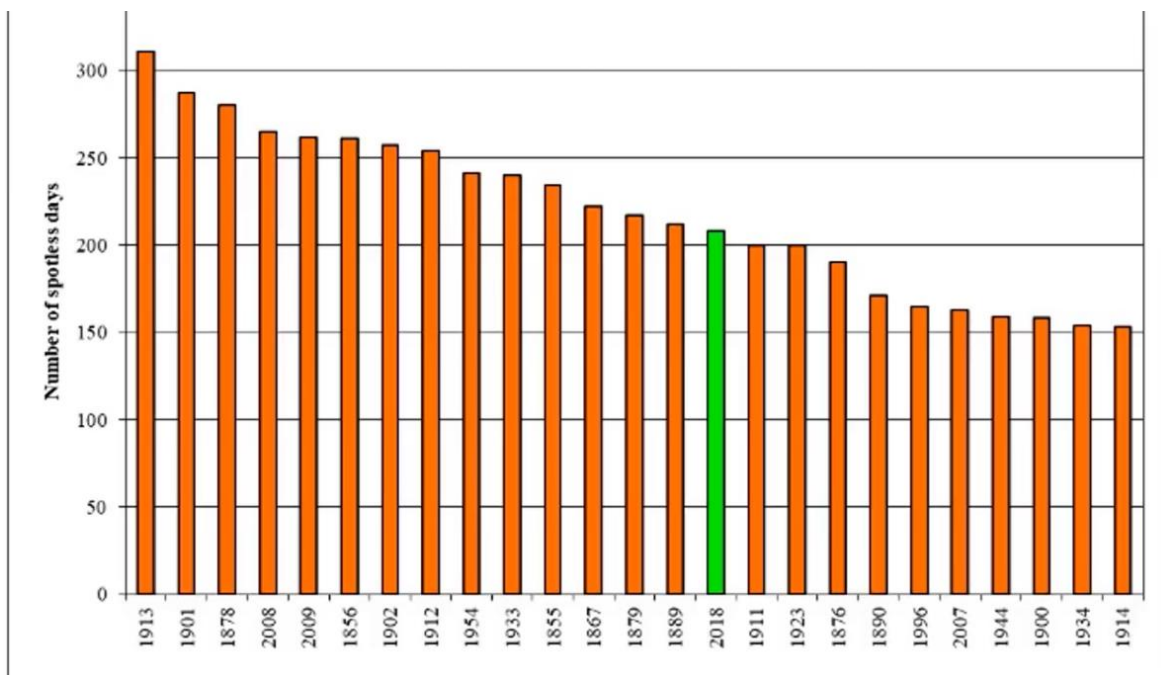


Global Atmospheric Shift: Algeria Emerges as a New Bread Basket



Data concerning the top 25 years with the most Sun-Spotless days since 1849 reveals that 2019 in the number 3 slot, even if the 2019 data is not yet included in the data shown below. The 1897 has just been eclipsed, no pun intended.



Top 25 of years with most spotless days since 1849. Image credit: SIDC (2019 data not included)

As the Grand Solar Minimum intensifies, forecasts for a falloff in global temperatures as solar activity continues to a 400-year low is taking place reducing crop yields through the continents.

THE SUN DEFINES THE CLIMATE

Habibullo Abdussamatov, Dr. Sc.

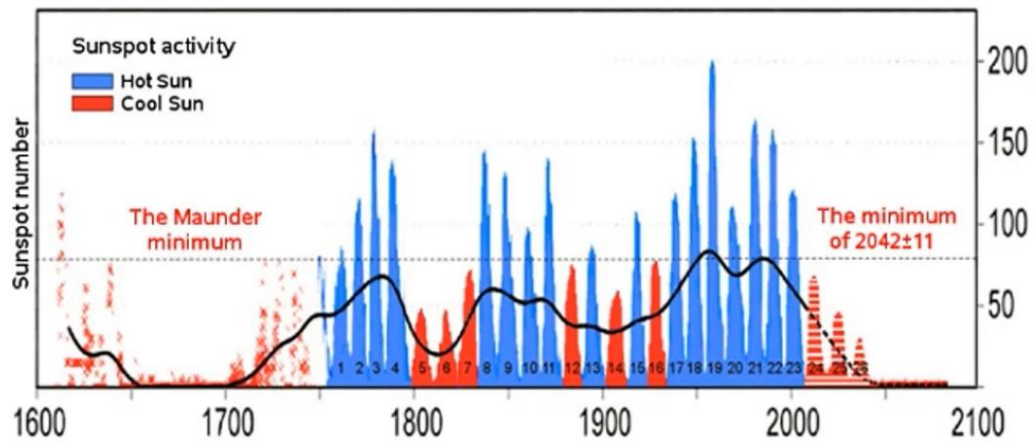
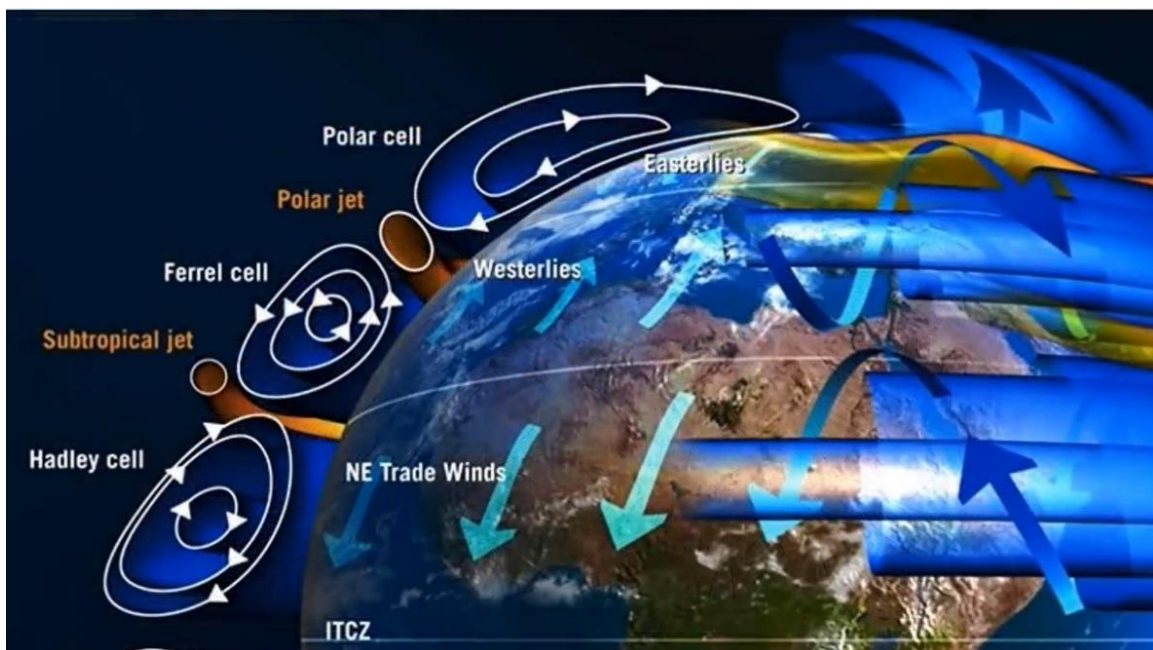


Fig. 3. Variation in the TSI drawing on the data reconstruction of Lean, J.L. (2000) and Wang Y. - M., Lean J.L., Sheeley N.R. (2005) up to 1978, sunspot activity of the Sun from 1611, and changes forecast by us after 2008 (dotted lines).

Jet streams and cloud cells are starting to shift because of the weakening magnetosphere and the polar wander phenomenon has been speeding up as of late. Since this is multi-century cycle where the Intertropical Convergence Zone (ICTZ) is going to shift. We already see areas across the planet where it is going to become wetter or dryer, which can be confidently predicted based on the past six Grand Solar Minima.



We already see signs in the skies, such as changing vortex winds. It should be noted that when jet streams or cloud cells collide, they move to new places. This is exactly what happened during the formation of a rare tornado at 4,023 meters, or 13,200 feet above sea level in the mountains of Bolivia. This is the highest altitude tornado EVER RECORDED.

THE WATCHERS

Watching the world evolve and transform

EARTH CHANGES

SEVERE WEATHER

SPACE WEATHER

SPACE

Rare tornado forms at over 4 023 m (13 200 feet) in Bolivia, possibly one of the highest-altitude twisters ever

Posted by Julie Celestial on December 11, 2019 at 19:55 UTC (7 days ago)

[Follow @TheWatchers_](#)



This rare tornado hit the area near El Alto International Airport in December 8th.

THE WATCHERS

Watching the world evolve and transform

EARTH CHANGES

SEVERE WEATHER

SPACE WEATHER

SPACE

Rare tornado forms at over 4 023 m (13 200 feet) in Bolivia, possibly one of the highest-altitude twisters ever

Posted by Julie Celestial on December 11, 2019 at 19:55 UTC (7 days ago)

[Follow @TheWatchers_](#)

A rare tornado hit an area [near the El Alto International Airport](#) -- the highest airport in the world at 4 058 m (13 313 feet) -- in Bolivia on Sunday, December 8, 2019. This could be one of the highest-altitude tornadoes ever observed. Minor damages were reported as it moved along the northern periphery of the airport and into nearby neighborhoods.

El Alto is near a large lake to the west, Lake Titicaca. This gives a good indication where it is on the west coast of South America.



Then there is also these strange water spouts in Indonesia. These types of tornado or water spouts are not normally seen along the equator like this, so this is another rare event.



WEATHER/ METEO WORLD @StormchaserUKEU · Dec 9
WOW... Epic #waterspout and rainbow at the same time in Sumenep, Indonesia this morning 9th December! Video via wearesumenep Insta: #severeweather #Tornado




Freak storms with several instances of strange precipitation, such as a month's worth of rain in Brisbane; a month's worth of rain in an hour, in Brazil; a years' worth of rain in 48 hours in Djibouti; and a months' worth of rain, in a day, in northern and central England.

These seem to be some kind of copy/paste climate events. These were considered rare events before, but are becoming common. These four recent events happened within the span of 30 days. When I starting to discuss these things in 2014 on my social media platforms, this was a once every 6 months is kind of a headline. Now, it has become 4 or 5 times per month. There has definitely been an uptick in the precipitation anomalies.

THE WATCHERS
Watching the world evolve and transform


EARTH CHANGES **SEVERE WEATHER** **SPACE WEATHER** **SPACE**



Freak storm dumps six months' worth of rain in one night - Brisbane, Australia

A major thunderstorm brought six months' worth of rain in one night in Brisbane, Queensland, Australia, on Wednesday night, December 11, 2019. The city saw 100 mm (4 inches) of rain in just over an hour, which made it one of the highest 24-hour rainfall totals...


December 12, 2019



Salvador on high alert as more than a month's worth of rain falls in three hours, Brazil

More than a month's worth of rain fell in a 3-hour period in Salvador, capital of Bahia State on Tuesday, November 26, 2019, putting the city on high alert. The city's Civil Defense said the rain dumped 169 mm (7 inches) of rain in the morning. The monthly...


November 28, 2019



9 killed, state of emergency after a year's worth of rain hits Djibouti in just 48 hours

Nine people have been killed in floods in Djibouti City, Djibouti, after almost a year's worth of rain fell in 48 hours to November 21, 2019. The government has since declared a state of emergency. News and information agency, Agence Djiboutienne...

November 25, 2019



Month's worth of rain triggers widespread floods across northern and central England

Widespread floods hit parts of northern and central England following heavy rains on November 7, 2019. The downpour was reportedly equivalent to a month's worth of rain, prompting evacuations to hundreds of residents. According to the Environment Agency, the...

November 08, 2019

As for the vortices, there was a severe storm outbreak with 37 tornadoes on December 17, 2019. Question; how many tornadoes are generally experienced in the United States in December? Because to me 37 tornadoes seem to be a lot, especially that the season is going into the coldest part of the year.



Joey M. Marino

@WxJmar93



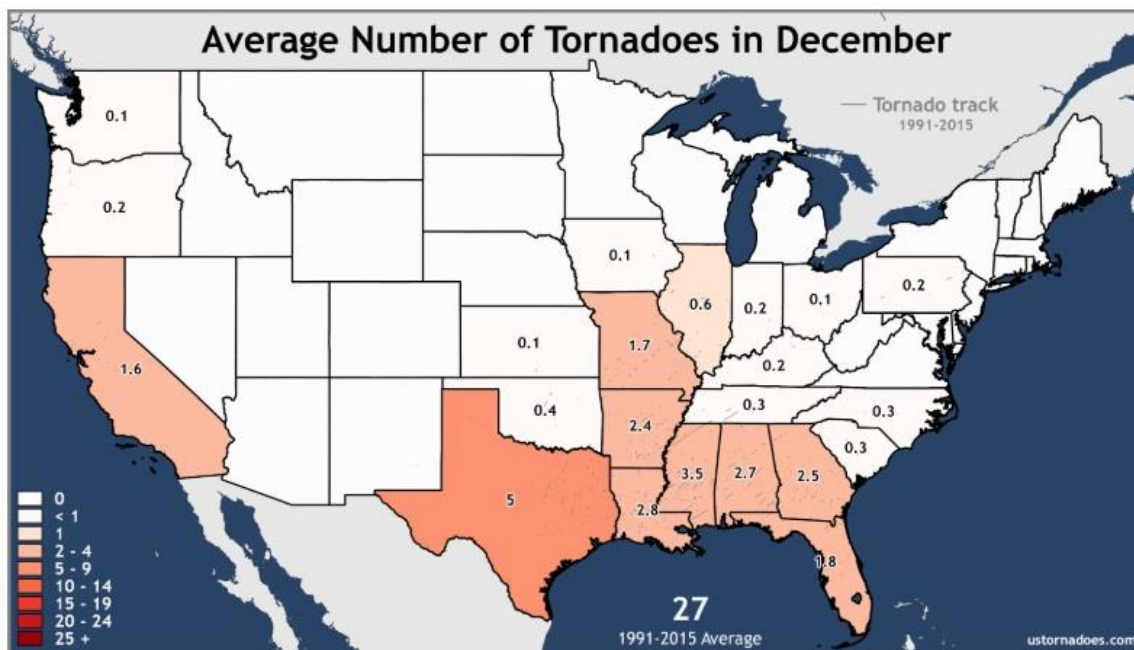
Here are the storm reports from yesterday's severe weather outbreak in the deep south. 37 tornado reports have been submitted so far. More to follow as the @NWS conducts surveys. #LAWx #MSwx #ALwx #TNwx @MyStateline



♥ 1 9:05 PM - Dec 17, 2019



Although, it was Gulf moisture colliding with cool Arctic air at that time, but still, 27 tornadoes is the average in December over 25-years, which means that the recent single event eclipsed the record.



Even in 2018, there were 27 tornadoes for the entire month in Illinois in just a single storm session. If you look at the top five tornado outbreaks included 2015 and 2010 it is interesting because these extreme events are starting to pile up within the last few years.

Biggest December Tornado Outbreaks in Illinois

Rank	Dates	Tornadoes
1	Dec. 1, 2018	27*
2	Dec. 18-19, 1957	21
3	Dec. 23, 2015	6
4	Dec. 4, 1973	5
5	Dec. 31, 2010	4

** Subject to Change. Storms surveyed thru 12/4/18*

Photo by Andrew Pritchard
12/1/18 near Beardstown, IL

National Weather Service
Lincoln, Illinois

Photo by Robert Wolfe
12/1/18 near Taylorville, IL

So in order to get a good glimpse of the true totals over time, I looked in the 1910s, 1920s and 1930s, instead of a risk of looking at possibly altered data. I found this PDF about tornado occurrences in the US from 1913 to 1960. According to the records, in 1957 the number two position had 21 tornadoes in Illinois alone, with a total of 38 tornadoes for the month. This means that we really need to go back in time, literally, like in the 1950s to find these types of tornadic outbreaks that are well above the averages.

Tornado Occurrences in the United States

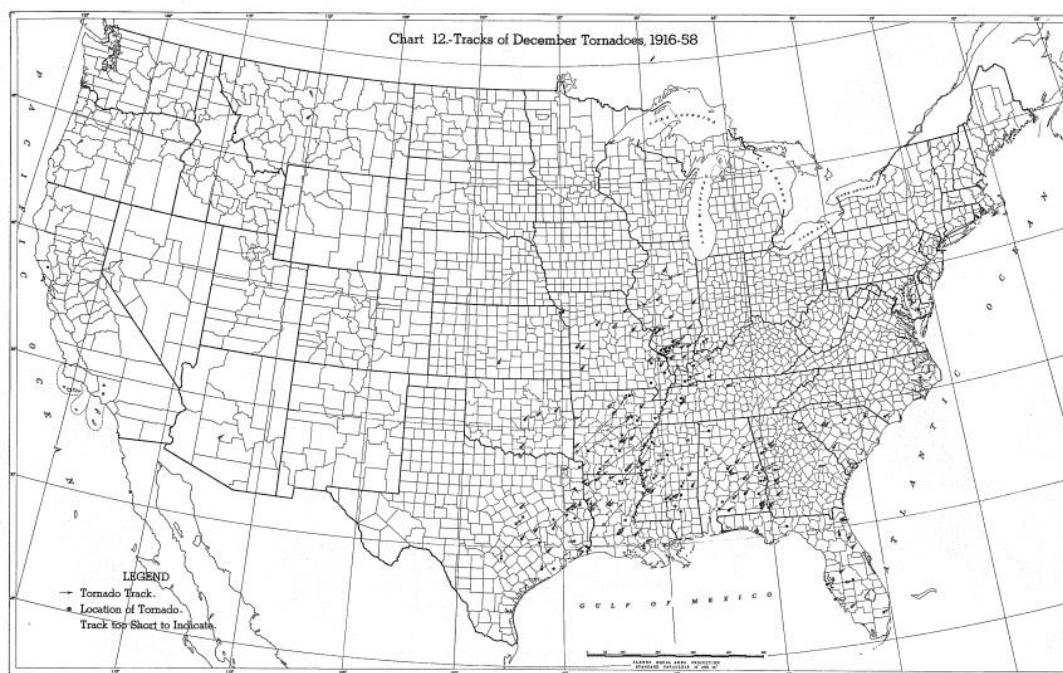
WASHINGTON, D.C.

Revised 1960

Table 3.--NUMBER OF TORNADES, DAYS, DEATHS, AND DAMAGE FOR UNITED STATES
BY MONTHS FOR YEARS, 1916-58 (Continued)

Year	October				November				December			
	Num-ber	Days	Deaths	Damage † (thous.)	Num-ber	Days	Deaths	Damage † (thous.)	Num-ber	Days	Deaths	Damage † (thous.)
1953	6	4	-	48	11	6	-	364	20	8	49	26,597
1954	15	8	2	700	2	2	-	40	16	3	1	1,683
1955	23	7	1	344	20	4	1	1,451	3	2	-	90
1956	30	8	-	1,063	8	6	-	793	10	4	-	265
1957	17	11	2	322	61	11	25	9,798	38	4	18	5,444
1958	9	6	4	1,372	45	6	-	909	1	1	-	20

The graphic shown below is included in the PDF as well, so I encourage you to take a look at the linked file found at the end of this article, for you to see how much more professional they were then in their reports than they are now. All the months are listed according to where the winds were flowing, and where the tornadoes had touched down.



Average number of tornados by month in the U.S is shown in this graph. 27 were recorded in December, but it looks like there is a little uptick in January.

Tornado Average by Month in the Contiguous United States

1991-2015



A list of the largest winter tornado outbreaks can also be found on the web, but this is a little strange, for me. They counted some of the same tornadoes that came down multiple times, and that is supposed to be the same tornado that lifted off and then came back.

So, in here, much higher totals were recorded. It also seems like they did not update this record to include the 2019, 2018, and the 2015 outbreaks. As can be seen, the second position includes records in 2008. There was also the 2011 record, but without 2015, 2018 and 2019.

Date(s)	Outbreak	Sequence	Deaths	Injuries	Strongest	Max Track (mi)
1/21-22/1999	129	131	9	162	4	39.0
2/5-6/2008	86	86	57	425	4	121.8
1/7-8/2008	56	56	4	35	3	50.4
1/1-3/1999	46	47	1	35	3	10.0
2/27-28/2011	45	45	1	7	3	23.3
12/23-25/1982	43	43	3	82	4	63.0
1/9-10/1975	41	41	11	331	4	56.0
12/14-15/1971	40	40	2	119	3	48.0
12/30/2010-1/1/2011	37	37	9	32	3	26.2
12/2-3/1982	34	41	4	99	3	34.0

ustornadoes.com

The top winter tornado outbreaks. Outbreak totals include tornadoes from the same system with no greater than a 6 hour break. "Sequence" totals include additional tornadoes from the same system that came before or after at least a 6 hour break.

You can clearly see that there has been a lot of activity in our atmosphere over the last decade that further increased, not only in number of events, but in intensity as well.

Another example that can be talked about are these Medicanes, or the Mediterranean Hurricane, that are supposed to be rare, but are now frequent. We have had two Medicanes in just a single month, and both of those landed in North Africa.

THE WATCHERS
Watching the world evolve and transform

EARTH CHANGES **SEVERE WEATHER** **SPACE WEATHER** **SPACE**

Medicane "Trudy" (Detlef, Bernardo) makes landfall in Algeria
<https://watchers.news/2019/11/12/medicane/>
12 Nov 2019 ... A shallow, warm-core cyclone or **medicane** informally named Trudy, also Detlef and Bernardo, formed in the western Mediterranean on ...

Medicane "Scott" makes landfall over Egypt, heavy rain spreading ...
<https://watchers.news/.../medicane-scott-makes-landfall-over-egypt-heavy-rain-spreading-through-the-region/>
26 Oct 2019 ... **Medicane** "Scott" made landfall southeast of Port Said, northeastern Egypt early October 26, 2019, with maximum sustained winds of 72 km/h ...

Forecast models hint development of two medicanes by November 12
<https://watchers.news/.../forecast-models-hint-development-of-two-medicanes-by-november-12/>
10 Nov 2019 ... Potential is there for a **#medicane** / warm-core cyclone development in the W Mediterranean sea tomorrow:<https://t.co/TswOmD1tVK>.

This was how the storm front looked in Algeria as Medicane Trudy made landfall and later in the month Medicane Scott over Egypt..

THE WATCHERS
Watching the world evolve and transform

EARTH CHANGES **SEVERE WEATHER** **SPACE WEATHER** **SPACE**

Medicane "Scott" makes landfall over Egypt, heavy rain spreading through the region

Posted by Teo Blašković on October 26, 2019 at 14:57 UTC (1 month ago) [Follow @TheWatchers](#)

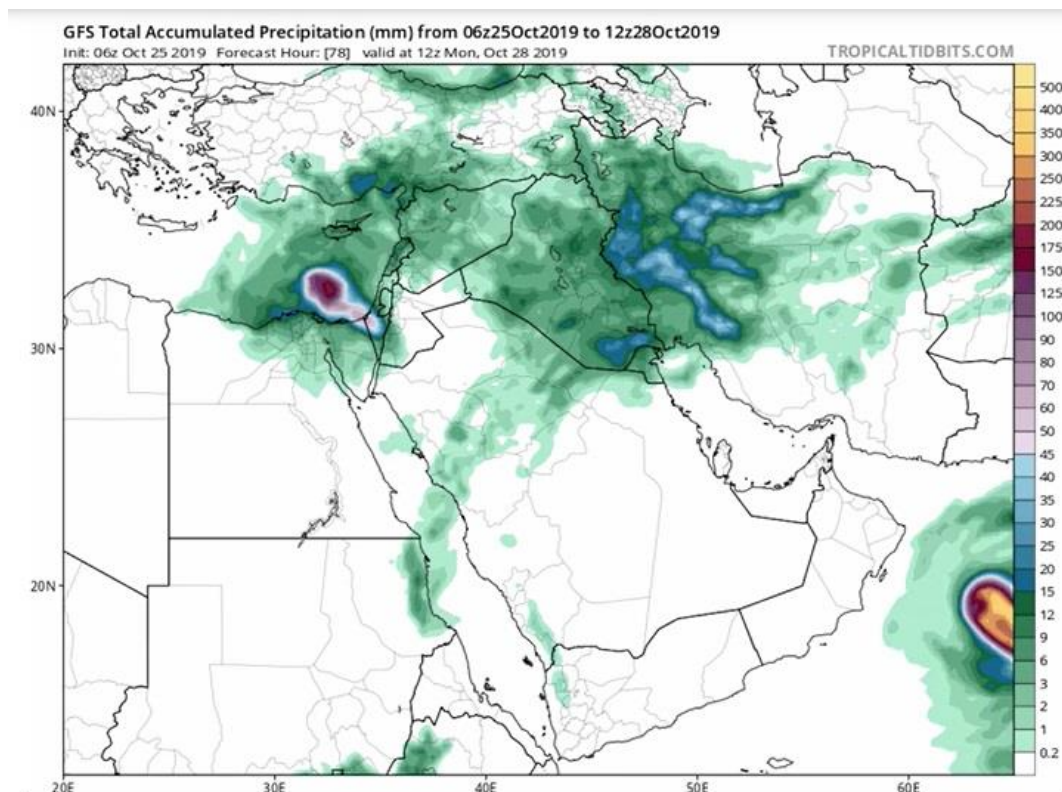
Categories: Cyclones, Featured articles, Floods, Severe storms



The image is a satellite photograph showing a large, well-defined storm system over the Eastern Mediterranean. The storm's eye is visible as a bright white circular area. The storm front extends from the sea towards the coast of Egypt and the Sinai Peninsula. Labels on the map include Antalya, Cyprus (CYP), Lebanon (LEB.), Syria, Iraq, Amman, Jordan (JORD.), Israel (ISR.), Alexandria, and Cairo. The storm is positioned over the eastern part of the Mediterranean Sea, just west of the Egyptian coast.



Shortly before that, Medcane Scott made landfall in Egypt. The result of the precipitation is record grain production and blooming of deserts and mountains in those areas, which are out of the ordinary in arid lands.



During the landfall of the Medicane in Egypt, a cyclone rolled in over Oman from the Arabian Sea. This is just one of the unusual cyclones that Oman and Yemen has seen these last couple of years.

(BELOW) Mammatus cloud formations in Algeria.



severe-weather.EU @severeweatherEU · 3h

An amazing capture of mammatus cloud formations, as seen yesterday over Algeria.

Photo sent to us by Bob Alem. Posted with permission.



The contours of the storm as it lands can be seen clearly upon closer look; and had brought 15-foot waves in the Mediterranean.

THE WATCHERS

Watching the world evolve and transform

EARTH CHANGES

SEVERE WEATHER

SPACE WEATHER

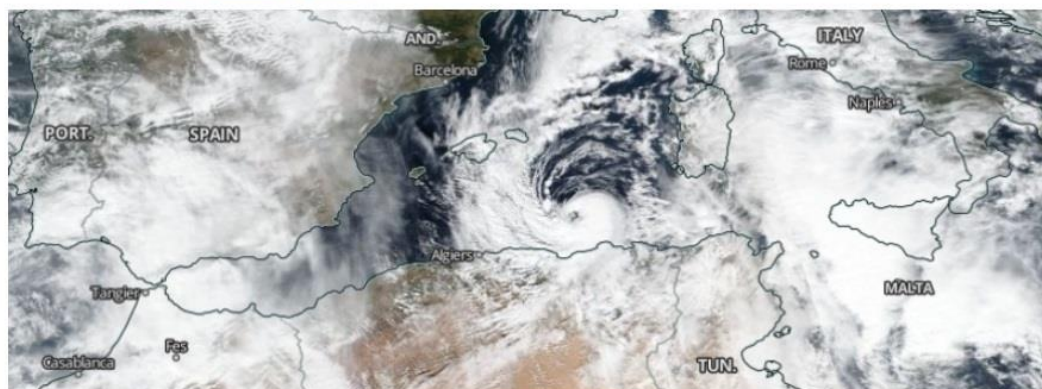
SPACE

Medicane "Trudy" (Detlef, Bernardo) makes landfall in Algeria

Posted by Julie Celestial on November 12, 2019 at 12:31 UTC (1 month ago)

[Follow @TheWatchers_](#)

Categories: Cyclones, Featured articles



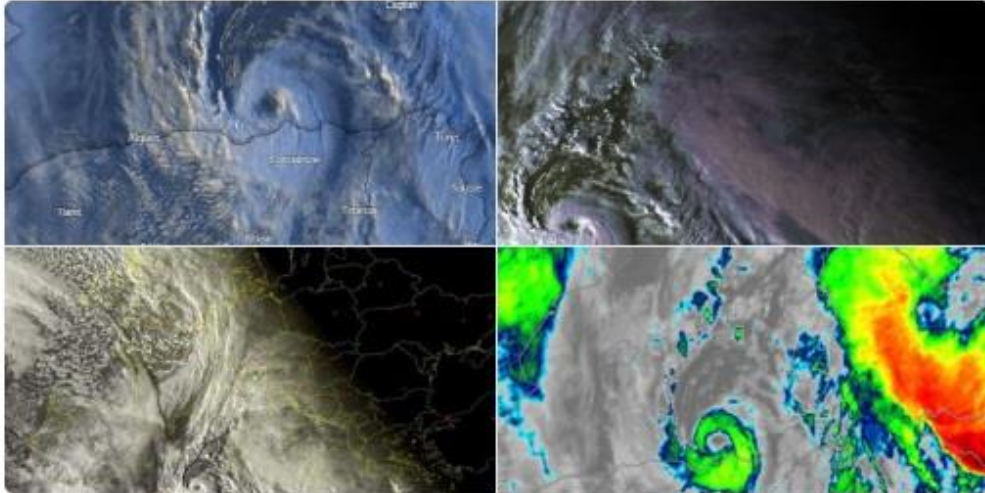


Mediterranean Cyclone Centre

@Medicane_Centre



Here are some of the best images of #MedicaneTrudy around peak yesterday. #medicane #weather #hurricane



11 7:45 PM - Nov 12, 2019



With the increasing precipitation Northern African nations are seeing record crop production in these areas.

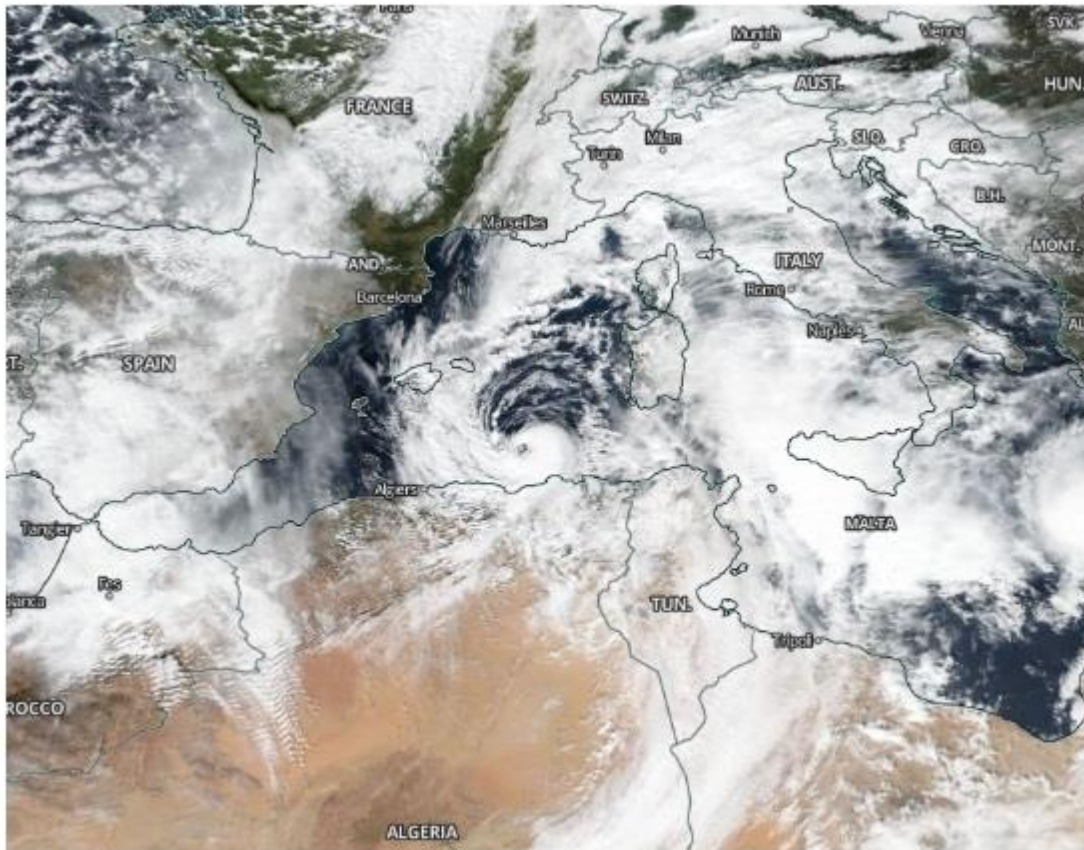


Image credit: NASA/NOAA Suomi NPP/VIIRS. Acquired November 11, 2019

I understand that this is from mid-November, before winter, but this is in Algeria and North Africa, so they should not get that much of snowfall. But as shown in some of these images, heavy snowfall pervaded in Algeria in early November. It's a progression in a cycle.

Heavy snowfall blocks multiple major roads in Algeria

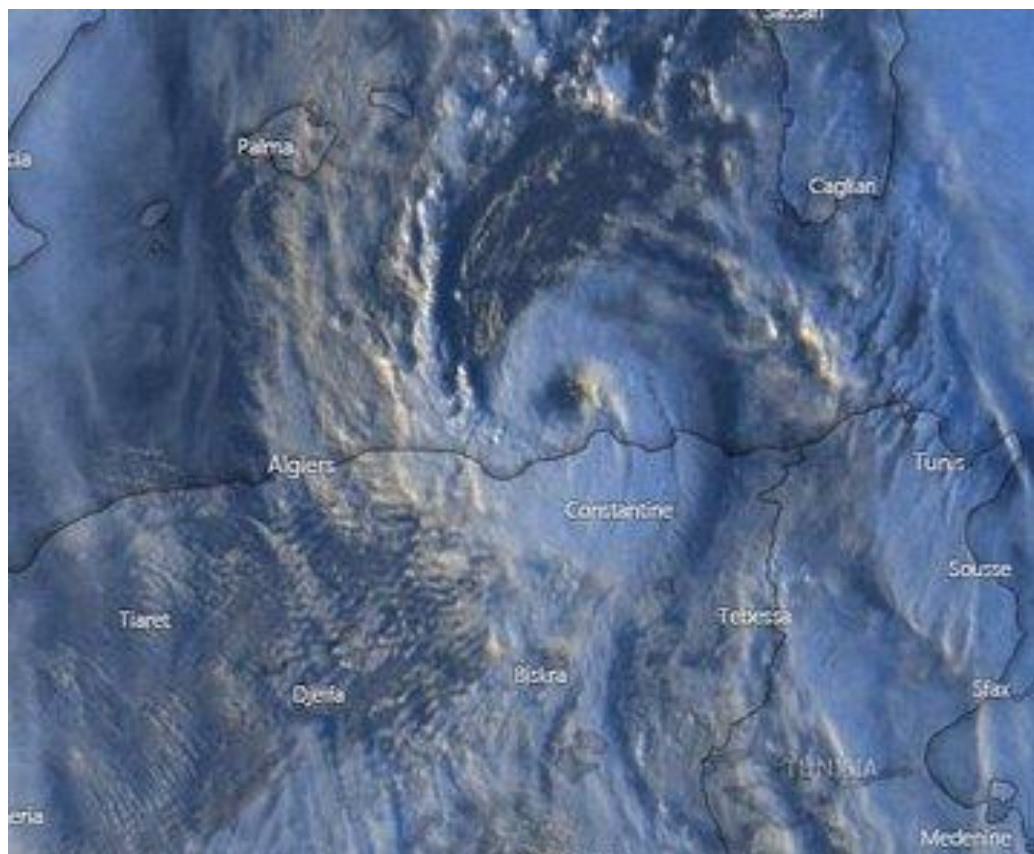
Posted by Julie Celestial on November 14, 2019 at 00:47 UTC (1 month ago)

[Follow @TheWatchers_](#)

Categories: Ice & snow, Newsflash, Severe storms



This continued to progress as more and more rainfall came down. The good thing is, they're having record grain production in Algeria and Tunisia.



Remember the incredibly rare Saharan snowstorm. This event happens once in a 50-year event, but now, it was experienced during the winner of 2016-2017, the same snowfall event in the same location occurred again in the winter of 2017-2018.

THE WATCHERS

Watching the world evolve and transform

EARTH CHANGES

SEVERE WEATHER

SPACE WEATHER

SPACE

Snow covers northern Algeria's desert for the second winter in a row

Posted by [Teo Blašković](#) on January 8, 2018 at 23:38 UTC (1 year ago)

[Follow @TheWatchers_](#)

Categories: [Earth changes](#), [Editors' picks](#), [Ice & snow](#)



Then recently, another heavy snowfall during the winter of 2018-2019. Does this make you wonder as well?



Snow in Aïn Séfra, Algeria on December 19, 2016. Photo by Karim Bouchetata

On a more serious note, with all these climatic shifting, what is going to happen when food prices rise? I think we should learn from what is happening in Iran. They had 3x increase in fuel taxes, which sent the country ablaze that even the rough and tough military they have could not control.

The angry crowds were uncontrollable so they had to cut the Internet. What is going to happen when it is their food price that is rising?

 ZeroHedge 12/10/2019

What Really Happened In Iran?

On November 15, a wave of protests engulfed over 100 Iranian cities as the government resorted to an extremely unpopular measure: a fuel tax hike of as much as 300%, without a semblance of a PR campaign to explain the reasons.



This is why I like the idea of sharing tips on how we can improve agriculture during the Grand Solar Minimum, reframed by the corporate media as global climate change. This way, unnecessary panic can be prevented, especially when you understand that this is a multi-decade event and there's nothing you can do about it. This is not going to go away no matter how much global taxes you pay.

It comes down to us, the people, to be more innovative in our solutions. They were able to come up with ideas to grow citrus in Nebraska in the middle of winter, so we should be able to come up with ingenious solutions as well.



Farm Futures @FarmFutures · 1h



How can you help reduce global climate change?
Breeder's Journal: There are things farmers can do that would make a difference.

farmprogress.com/management/how... #ClimateChange #farm #agriculture



Citrus In The Snow



"He proved the professors wrong".

*The greenhouse in the snow with virtually no heating or cooling costs,
...and you can duplicate it anywhere in the world!*


By Russ Finch

China and the EU's unified defense forces are vying for what was the Roman grain growing area of North Africa. Obviously, this is a solution to bring this area online by using underground water sources, such as tapping the primary water from Libya, and putting out canal systems to get two full grow seasons out of it, and be able to turn that into a new breadbasket.

This is also why there's so much interest in North Africa. The rain patterns are increasing there, resulting to increased grain production, so now, the investment increases in the area.



Looking back through history is a solution as well, when we look back we find a stone art that is almost the same as what was seen in Chaco Canyon, also seen in Tassili National Park in Algeria.

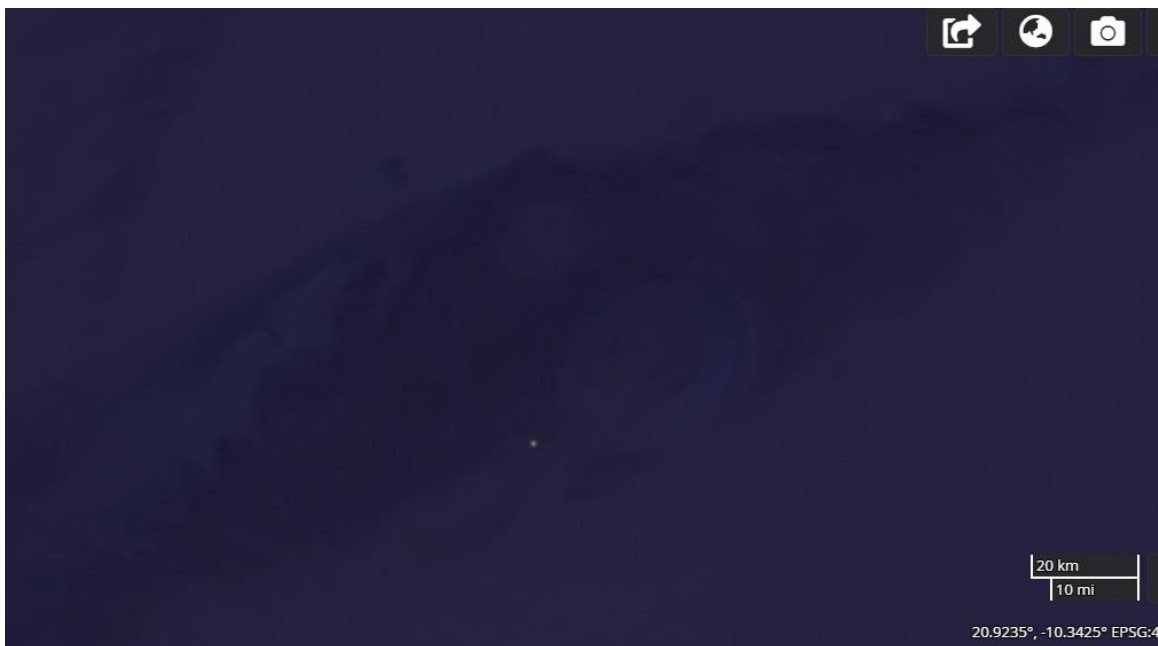
 **Prof Susan Oosthuizen** @DrSueOosthuizen · Dec 14
#LandscapesTheyKnew A prehistoric #antelope waking up to the weekend - carved into the rock 12,000-6,000 years ago at **Algeria's** Tassili n Ajjer National Park (photo Wiki; more detail via africanrockart.org/wp-content/upl...)



This area has been inhabited since the last interglacial, 108,000- 115,000 years ago, which means that people have survived in that same area, indicating that is a place where the rains will return. That part of Africa used to be a Savanna 7,000 years ago, with animals and forests. That was only 7,000 years ago, can you imagine back to the last interglacial?

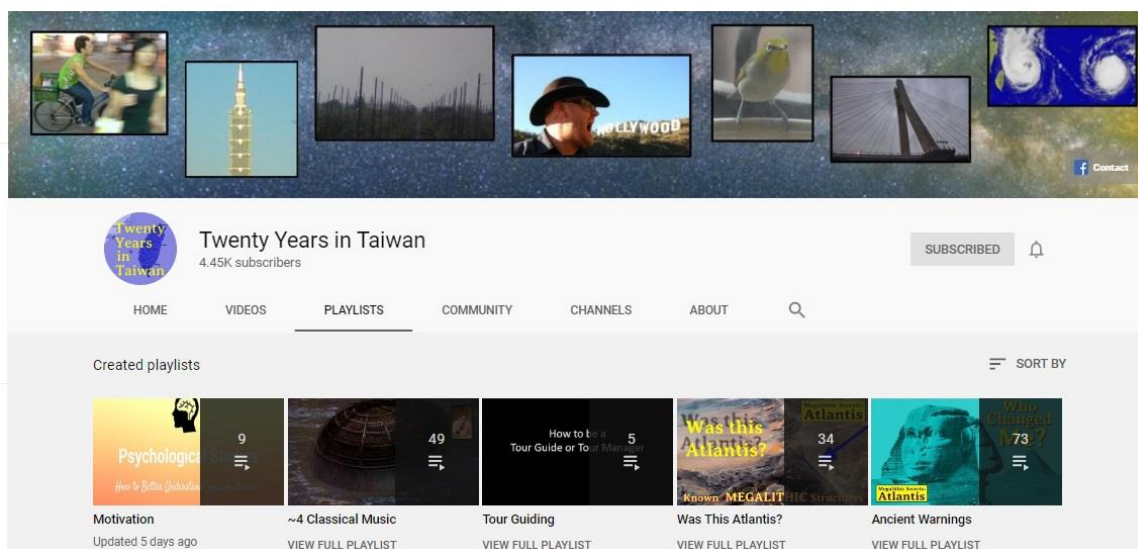


This brings me to the Richat structure where N. African deserts seems to have enormous amount of ruins, out of place buildings and unusual geologic phenomenon. You might be familiar with the Richat structure, but I have never seen images of it at night. This image is from night viewer in NASA.



Talking to David Stig Hansen, who runs 20 years in Taiwan, sparked my interest about looking at the Richat structure. He has gone very deep into analyzing and searching the desert for anomalous ruins, water canals, or what seemed to be abandoned habitation.

He has an entire playlist of content about this, so if you are into this kind of information, hidden history, you might want to take a look at his work.



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.

*** Mini Ice Age Conversations Podcast ***

iTunes: <https://itunes.apple.com/us/podcast/a...>

Soundcloud: <https://soundcloud.com/adapt-2030>

Libsyn: <http://adapt2030.libsyn.com/>

MIAC #261: Is Artificial Intelligence Making Us Terraform the Planet for It?
<https://adapt2030.libsyn.com/miac-261...>

*** Members Only Climate Preparedness Channels ***

ADAPT 2030 Patreon www.patreon.com/adapt2030

ADAPT 2030 Subscribe Star www.subscribestar.com/adapt-2030

*** ADAPT 2030 Climate Revolution Book ***

Climate Revolution is a 'Must Read' for understanding our Sun driven climate as we progress deeper into the new Eddy Grand Solar Minimum. Weather extremes leading to Global food scarcity and high food prices are here now, and this book describes the expected changes, how to survive & thrive during future challenging times with practical preparations.

NEW ADAPT 2030 Climate Revolution

<https://payhip.com/b/3sVi/af5d15cc7ddd65e>

*** Support ADAPT 2030 by Visiting Our Sponsors ***

My Patriot Supply 2-Week Food Supply 92 servings

www.preparewithadapt2030.com

True Leaf Market Organic & Heirloom Seeds

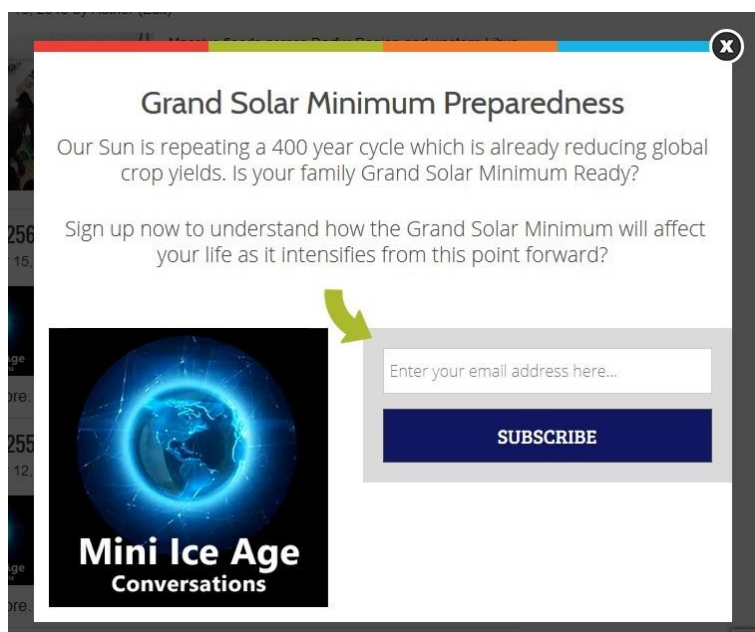
[ADAPT 2030 True Leaf Market Link](#)

ADAPT 2030 Amazon Climate Preparedness Portal

<https://amzn.to/2Q8LqrV>

For the ADAPT 2030 Grand Solar Minimum newsletter jump over to Oilseedcrops.org where you can enter your email and sign up. Move your mouse around for about 10 seconds and this box will pop up.

Join ADAPT 2030 NEWSLETTER <http://www.oilseedcrops.org>



*** Today's Story Links ***

Solar Cycle Activity 46 days in a row sun spotless

<https://www.spaceweatherlive.com/en/solar-activity/solar-cycle>

Historical Sun spotless days

<http://sidc.be/silso/spotless#>

<https://electroverse.net/solar-activity-just-reached-a-new-space-age-low/>

Medicanes

<https://watchers.news/search/?q=medicane>

Snow covers northern Algeria's desert for the second winter in a row

<https://watchers.news/2018/01/08/snow-covers-northern-algeria-s-desert-for-the-second-winter-in-a-row/>

Medicane Trudy Close up

<https://pbs.twimg.com/media/EJK4UW6WkAE97Nu?format=jpg&name=360x360>

Medicane "Scott" makes landfall over Egypt, heavy rain

<https://watchers.news/2019/10/26/medicane-scott-makes-landfall-over-egypt-heavy-rain-spreading-through-the-region/>

Twenty Years in Taiwan Desert artifact and lost structures series

<https://www.youtube.com/user/davidstighansen/playlists>

*** ADAPT 2030 Social Media Links ***

YOUTUBE [ADAPT 2030 Mini Ice Age 2015–2035 Series on YouTube](#)

BITCHUTE <https://www.bitchute.com/hashtag/adapt2030/>

BRIGHTTEON <https://www.brighteon.com/channel/adapt2030>

STEEM <https://steemit.com/@adapt2030>

MINDS <https://www.minds.com/ADAPT2030>

MEDIUM <https://medium.com/@globalcooling>

FB <https://www.facebook.com/Miniiceage>

TWITTER <https://twitter.com/adapt2030>

GAB <https://gab.ai/ADAPT2030>