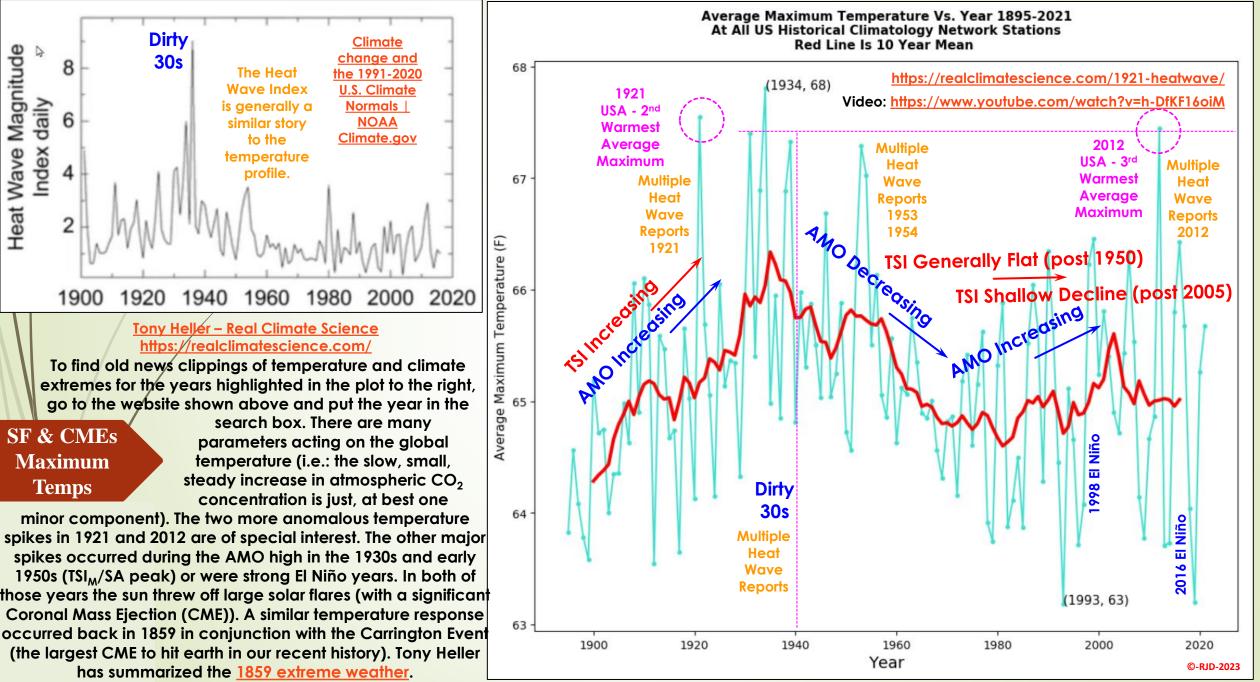
CSS-36a limate Change" existential threat is right around the corner. Do the Research!

Heat Wave Magnitude

Solar Flares and CMEs: USA Maximum Temperatures and Heat Waves

More detail? climatechangeandmusic.com



CSS-36b

'Climate Change" existential threat is right around the corner. Do the Research!

ľ he

. Grand Solar Minimu<mark>m</mark>.

GSM

Data Source: https://en.wikipedia.org/wiki/List of solar storms

More detail? climatechangeandmusic.com

2012

Anonymously

Solar Flares and CME History

This chart was prepared with the larger Solar Flare and Coronal Mass Ejection (CME) data available on Wikipedia. We (humanity) have (in general) been extremely lucky with respect to our sun's ability to throw

60

50

40

Strength (X Class) 05

20

10

0

1850

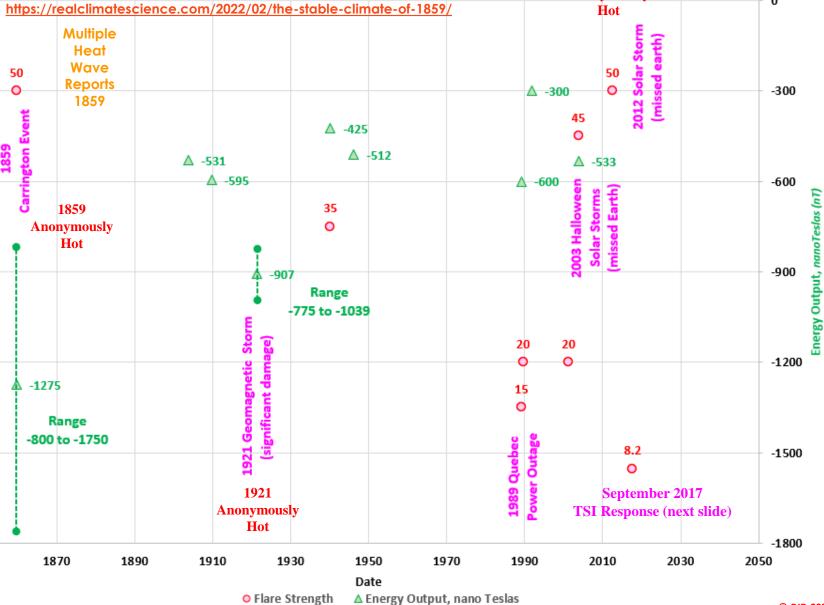
off energy and material in our direction (at least over the last century and a half). The Carrington Event and the 1921 Geomagnetic Storm caused damage but they occurred before we had developed any really significant electrical infrastructure. The two large flares (2003 (X45) and 2012 (X50)) would have been potentially devastating if they had been directed at earth. So, when will the

Solar Flare & **CME History**

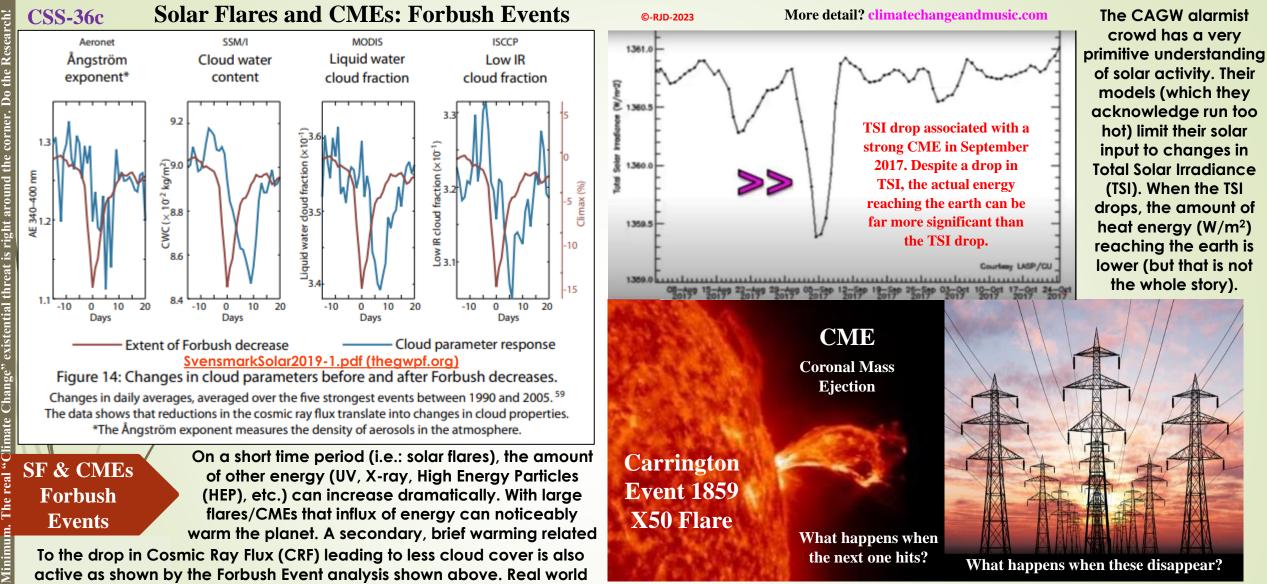
next large flare hit and will we be ready for it? The answer to the first auestion is simple,

anytime now. The answer to the second question, I doubt it. We are wasting huge amounts of capital on a future problem that does not exist and ignoring the real threats to our society to chase idiotological visions of saving the planet from a trace gas (CO_2) that is absolutely essential to life on this planet. In My Opinion!

Multiple Heat Wave **Reports** 1859 ▲ -425

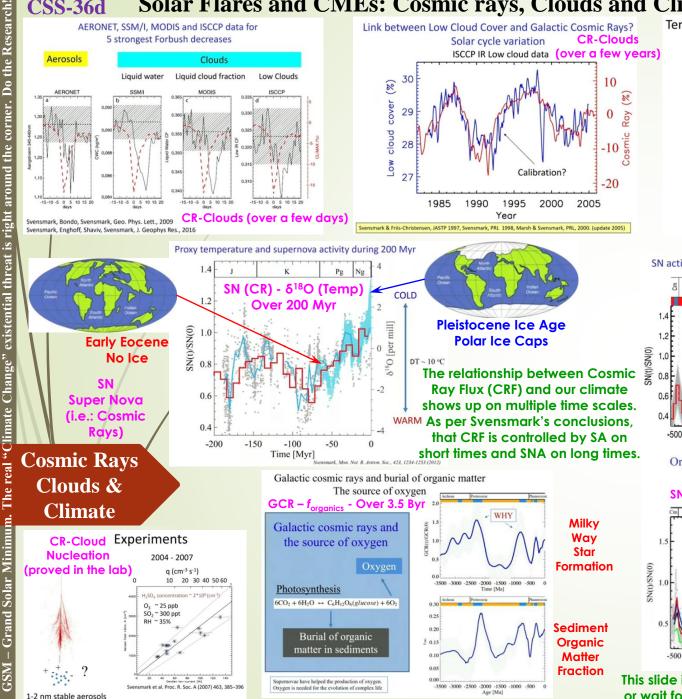


Solar Flares and Coronal Mass Ejections



data that shows CRF does have an effect on cloud cover. On longer terms, the absolute TSI acts more as a climate driver proxy. TSI changes are very small and on their own are not a strong climate driver. But they are a strength indicator for the many other solar forcings (CRF (cloud cover), HEP, solar winds, electromagnetic fields, etc.) that do affect and ultimately dominate our climate. When TSI is high, solar wind strength is also high, leading to lower CRF and less cloud nucleation/cover and lower atmospheric HEP penetrations and ultimately higher temperatures. Conversely, when TSI is low, the temperatures are lower. And unfortunately, our weakening electromagnetic fields will accentuate that process (i.e.: even higher CRF, more cloud cover and cooler temperatures than the forecasted GSM (lower TSI) would normally produce). And just for good measure the AMO is also moving into its 30 year cold phase. These forcings (laid out by Svensmark on the next slide) are available in the CMIP6 models. They just are not used. I wonder if that might fix their models run too hot problem?





Temperatures over the last 1000 years 0.5 Temperatures 800 1000 1200 1400 1600 1800 2000 1200 1400 1600 1800 2000 SA/CR-Temp Year (over a milennia) SN activity and glaciations during the last 500 Myr OSD С К Pg Ng SN (CR) - Temp Over 500 Mvr -500 -400 -300 -200 Time [Myr] 423. 1234-1253 (2012) Organic burial in sediments and supernova activity SN (CR) – f_{organics} - Over 500 Myr Cm O S D C P Tr J K Pg Ng Large bioproductivity fraction of organic buria High cosmic ray flux Low cosmic ray flux all fraction of organic buria

This slide is busy. But you can watch Svensmark's video or wait for my more detailed Climate Short Story (CSS).

-100

-200

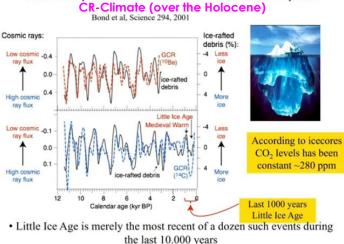
-400

-300

Age [Ma]

More detail? climatechangeandmusic.com



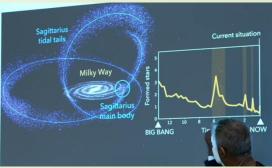


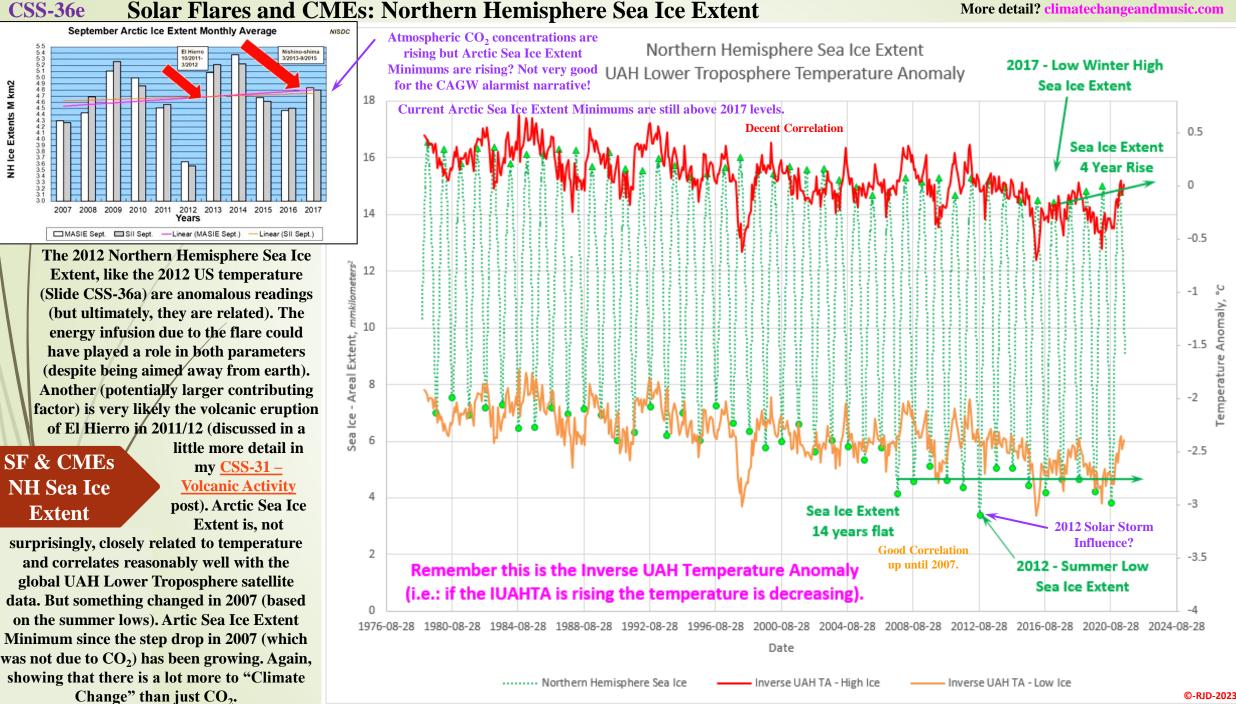
Cosmic rays and climate over the last 10.000 years

happening with no CO ₂ influence?	Î

These images come from a recent presentation (Global Warming and Solar Flares) by Henrik Svensmark. With all due respect to the CAGW alarmist community, CO₂ is not the primary climate driver and dismissing solar activity and cosmic ray influence on the climate is a childish, idiotological, unscientific and dangerous approach to the subject.

Star Formation- Over 13.5 Byr





Solar Flares and CMEs: Northern Hemisphere Sea Ice Extent

limate Change" existential threat is right around the corner. Do the Research!

Solar Minimu<mark>m</mark>.

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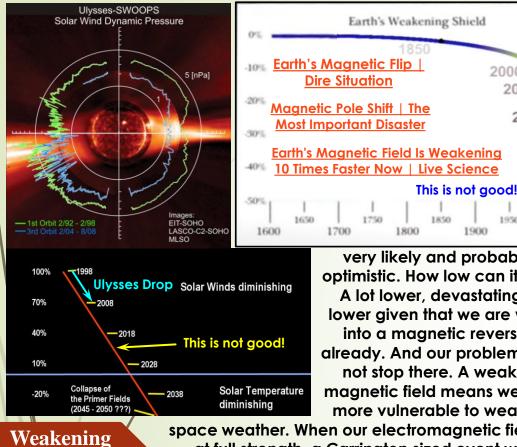
Solar Flares and CMEs: Weakening Electromagnetic Fields

2000

2010

2015

More detail? climatechangeandmusic.com



CSS-36f

around the corner. Do the R

e Change" existential threat is right

Magnetic

Fields

1900 2000very likely and probably optimistic. How low can it go? A lot lower, devastatingly lower given that we are well into a magnetic reversal already. And our problems do not stop there. A weaker magnetic field means we are more vulnerable to weaker

space weather. When our electromagnetic field is at full strength, a Carrington sized event will cause apocalyptic damage. The same damage is now possible with smaller solar flares and CMEs (and our electromagnetic fields continue to

weaken). The intensity level of all types of space energy (X-ray/ Gamma/UV rays, High Energy Particles (HEP), etc.) will also increase as our protection drops (all of which have their own complications). We have some real existential threats (not CO_2 emissions) to worry about over the next few decades (and they are not all listed here). We can easily survive any minor warming that rising CO₂ produces. What we cannot survive is the continued fiscal suicide these ideological,

unscientific "green" initiatives are imposing on our society. We should be preparing for cold and hardening our electrical grids and supply chains!

This is where things get interesting. Our planet's electromagnetic field is weakening and those losses are accelerating. We are heading into a Grand Solar Minimum. That means solar activity is very likely to drop significantly over the next few decades. When solar activity drops, the solar wind strength drops as well. With weaker solar winds, the Cosmic Ray Flux increases, increasing cloud nucleation/formation and ultimately lower global temperatures (as per the chart below). Note, this chart has an aggressive (but possible) TSI_M projection. The weakening electromagnetic field (like lower solar activity) leads to weaker solar winds and a higher CRF and cooler temperatures, making the projection below

