

# Solar Cycles – Coming Grand Solar Minimum (GSM)

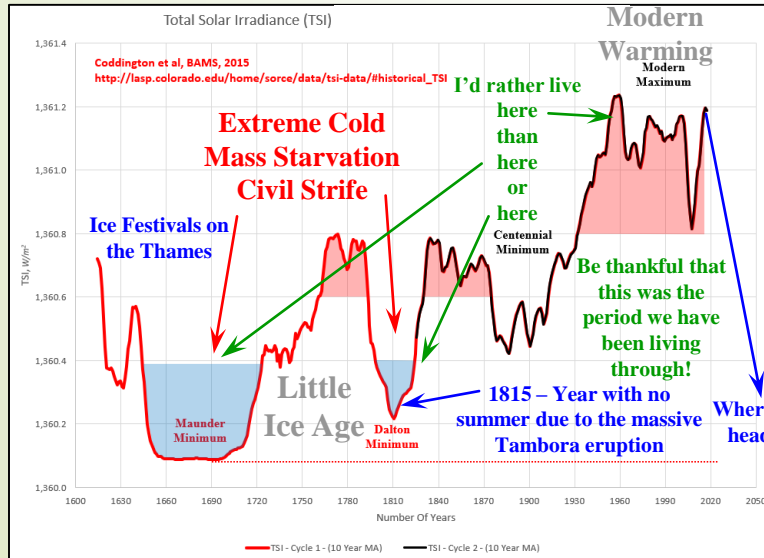
One of the biggest mistakes that society will ever make is starting to play itself out right now. Our governments are focussed on battling a non-existent problem (mild, if any warming associated with rising CO<sub>2</sub> levels a century from now) when the real threat will come from the cooling associated with the forecasted Grand Solar Minimum (GSM) within a few years. Those effects have already been felt globally over the last couple of years (major flooding, record snowfalls, cold (early/late frosts), etc.) and they will intensify. The magnitude of the temperature declines is still an open question, but GSMs have not been kind to humanity and this one will have its share of serious negative consequences. The cold temperature severity could be complicated further if a major volcanic eruption were to occur (an event typical during GSMs).

Our planet cools off when the TSI drops and warms up when TSI moves higher, regardless of what the IPCC programs into their super computers. CO<sub>2</sub> influences on the global temperatures are hidden in the natural cycles and that hasn't suddenly changed!

More detail? Google "Ronald Davison climate"

GSMs occur roughly every 400 years. The last one (the Maunder Minimum) started in the early 1650's and lasted for over 55 years. The current GSM (Eddy Minimum) will be shorter (±35 years) but the TSI could easily drop to the Maunder/Dalton Minimum levels or worse, lower.

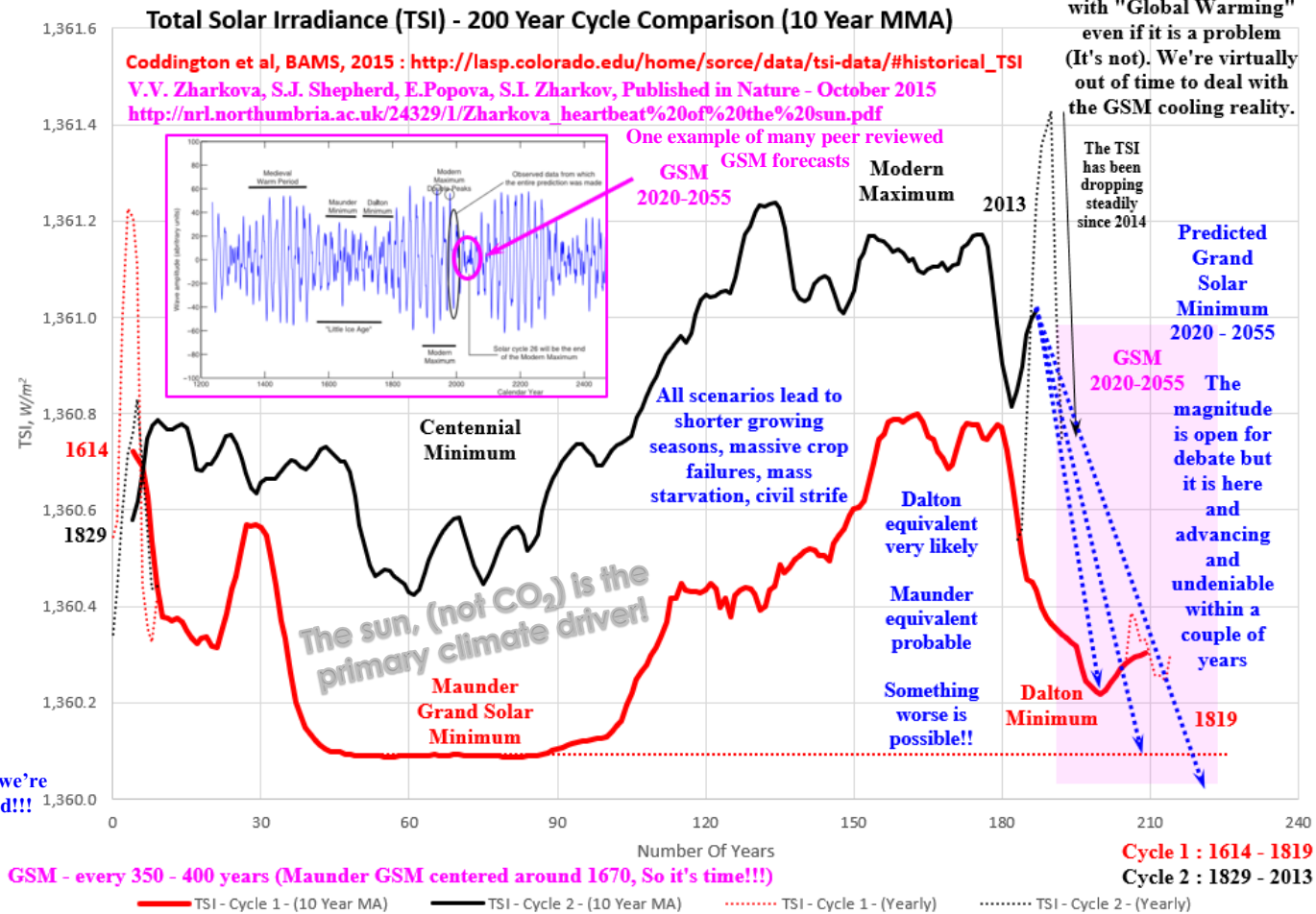
There are longer cycles (2000 and 3600 years, Super GSMs) that may be coming into play as well, but these aren't as well understood but are generally more dangerous than the regular GSMs. If you want to believe in dangerous "Climate Change", the GSMs are where you should start. Saint Greta can recycle her speech in a few years and chastise the UN again for not identifying a real climate threat right under their ideological noses.



For clarification, Total Solar Irradiance (TSI) does not drive the climate significantly on its own. The TSI is however a good proxy for what's happening on the sun. During solar minimums (low TSI), the sun's energy output drops, solar wind strength weakens, cosmic ray intensity rises, cloud nucleation increases, and we end up with more cloud cover and more, heavier precipitation. This process cools the planet and all the CO<sub>2</sub> man could feasibly generate will not affect this process (especially given the short time frame we are working with). As I've laid out in previous documentation, I believe that CO<sub>2</sub> has accounted for roughly 0.4 °C of the temperature rise out of the Dalton Minimum. That gives us a 0.4 °C cushion from the depths of the GSM. I hope that's enough to minimize the worst consequences of this GSM.

Unlike CO<sub>2</sub> solar activity (direct and indirect) does show up as a primary climate driver in the historical records!

## Climate Change is Extremely Dangerous (Beware the Coming Cold)



We have decades to deal with "Global Warming" even if it is a problem (It's not). We're virtually out of time to deal with the GSM cooling reality.

Solar Cycles GSM Coming

Better to adapt to Climate Change (hot or COLD)!!!

Cycle 1 : 1614 - 1819  
Cycle 2 : 1829 - 2013