The challenge

Perhaps the most frequent human mental activity is forecasting. We forecast the temperature of the day to decide which clothes to wear. We forecast the time to drive in our forecasted traffic route. And we forecast if the fuel in our vehicle will be enough to reach our destination. We do not think about it, but we forecast everything every day, all day. But sometimes our calculations fail, and we are overdressed on a hot day or underdressed on a cold one. We got late to an important appointment we thought had the perfect timing forecast. Most critical, we happily signed a contract for twenty years selling solar energy production to find out five years later that our forecast was inaccurate and we were losing money. More interesting is to see the pilot's face when he discovered he was trapped in his four-seat airplane in the middle of a lightning storm with no visibility, winds, and rain making him feel his flight was like riding a truck downhill offroad without breaks or airbags, all because of a bad forecast.

Well, here we go again. We are trying to forecast sun irradiation for practical use with a simple model: **"We plan to rearrange the SAF data, reevaluating the parameters with our practical experiences looking for a more accurate Solar Irradiation Forecast."**

Good Luck, Teams of the Net Load Forecasting Prize.