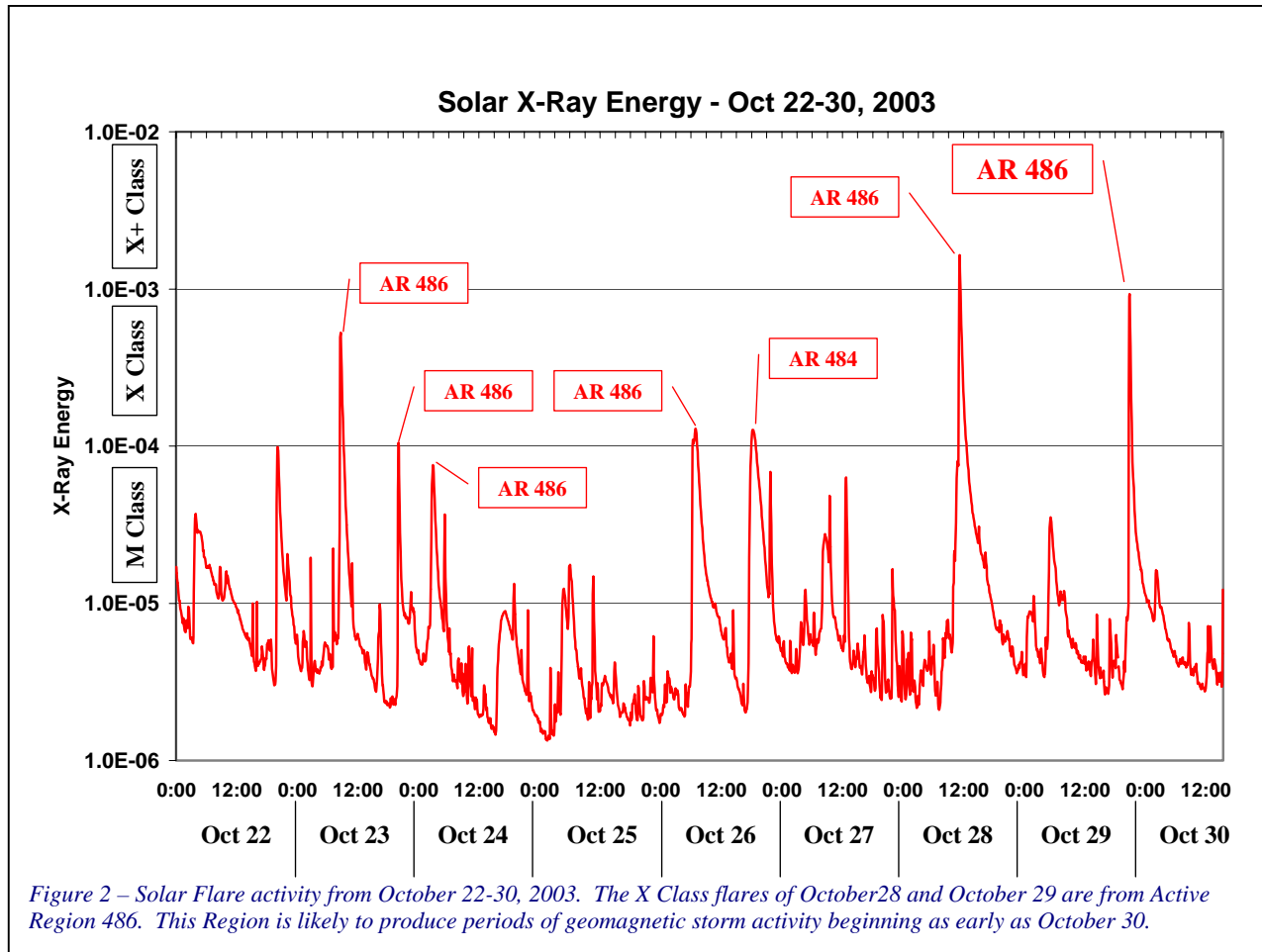


Solar Condition and Geomagnetic Storm Update Advisory

Several large Active Regions are now visible on the surface of the Sun and have been producing substantial solar flare activity over the past week, with a combination of a large M Class followed by six X Class flares with the most recent flare being a X10 Flare in size. At this time, the series of flares appear to be originating from Active Region 486 and therefore may be threatening to produce large geomagnetic storms at this time. However, Active Region 488 is now also well positioned at the center of the solar disk.

Flare and CME observations from active regions can give a several day precursor of possible geomagnetic storms at the Earth. Flare energies provide a quantification of the amount of energy that is erupted into Interplanetary Space from the Sun. If large flare and CME activity continues to occur over the next few days, then probabilities for a large geomagnetic storm will increase. Metatech will continue to provide updates to these Solar Condition Advisories as warranted.



John is currently providing testimony to the U.S. House Science Committee on the topic of “What is Space Weather and Who should be Forecasting It”. He was asked by the Committee to specifically discuss the forecasting needs of the nation as regards the Electric Power Industry. As normally done in such Hearings, John has prepared detailed “Prepared Testimony” which was filed several days ago. Metatech is making this publicly available as a PDF download on our Advisory Web Page.

Please feel free to access our Geomagnetic Storm Advisory web page at:

<http://www.metatech-aps.com/Advisories.html>

Jeff Patrick, Metatech
jeff.patrick@computer.org, 218-727-2666 www.metatechcorp.com