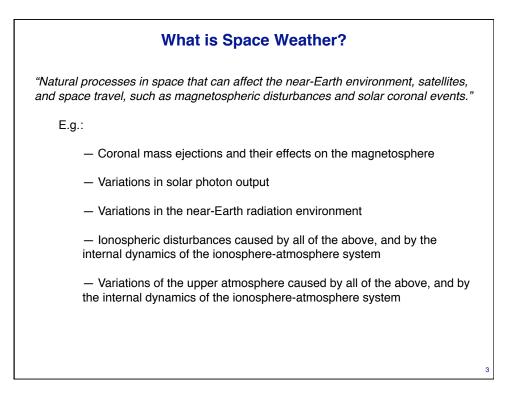
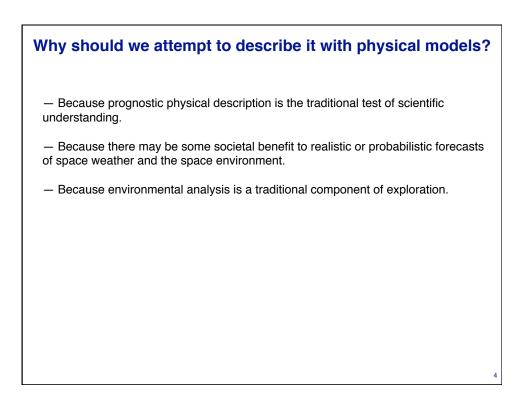
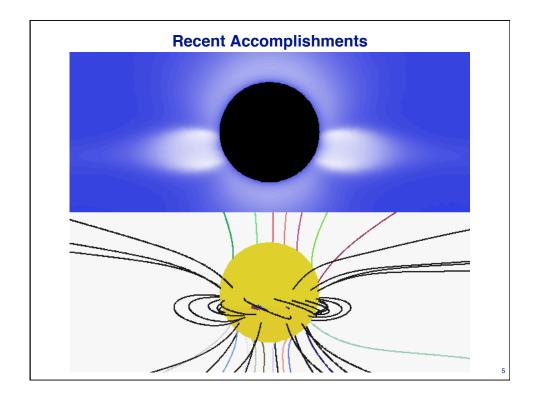
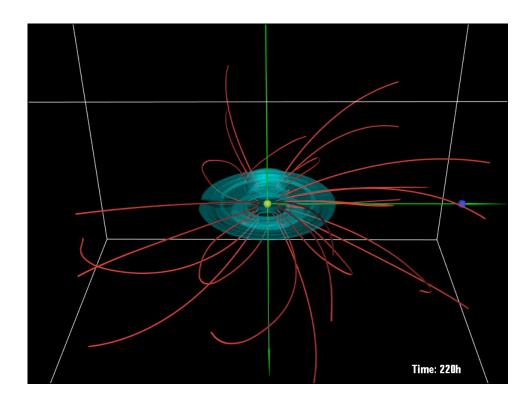


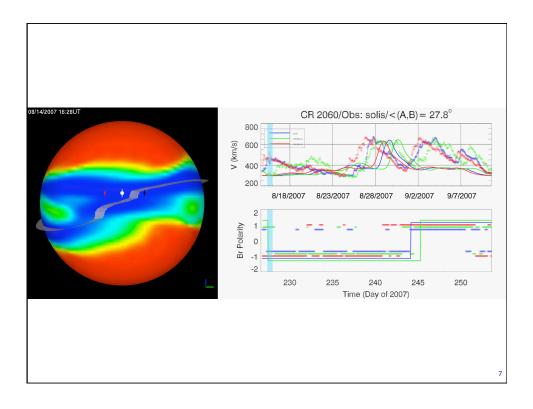
Outline	
What is Space Weather?	
Why should we attempt to describe it with physical models?	
Recent Accomplishments	
The Current Context	
Prospects for Future Progress	
Some Iconoclastic Recommendations	
	2

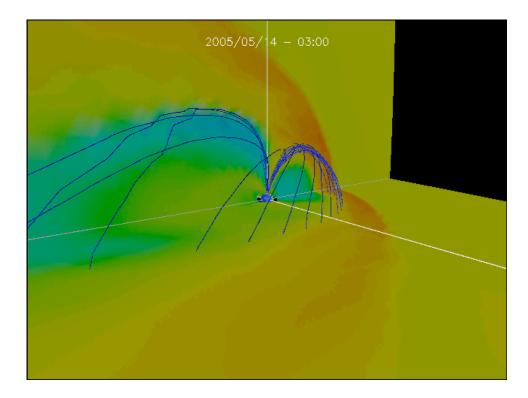


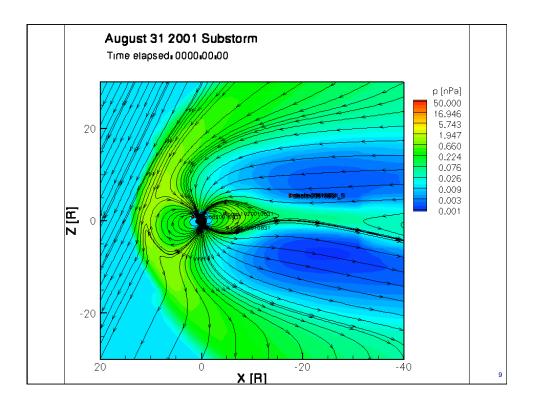


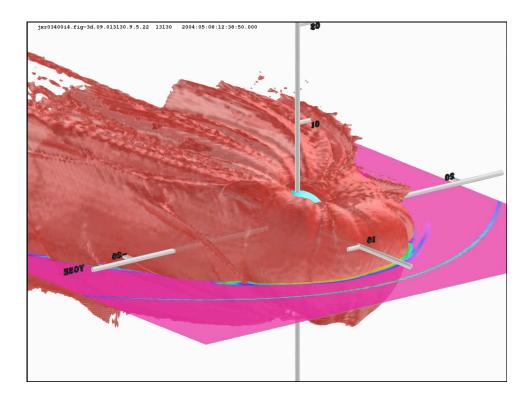


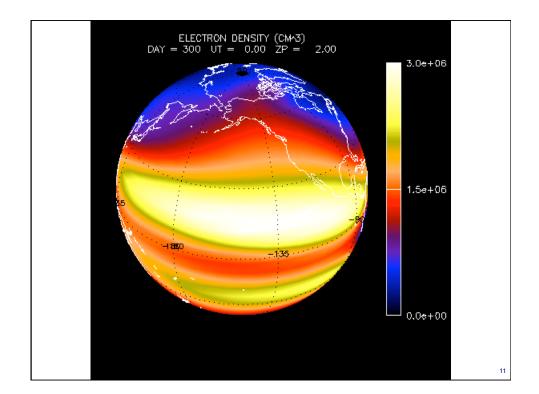


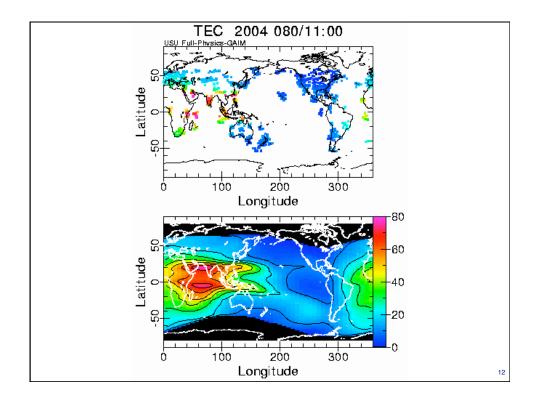


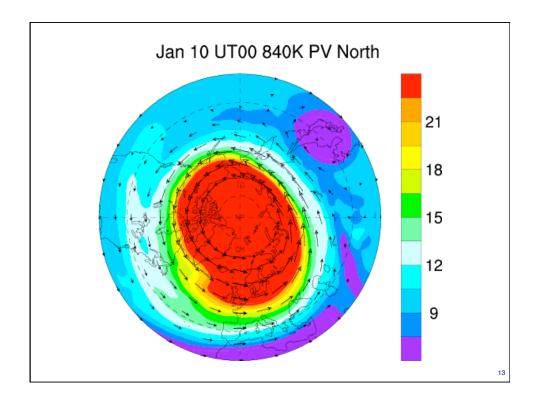


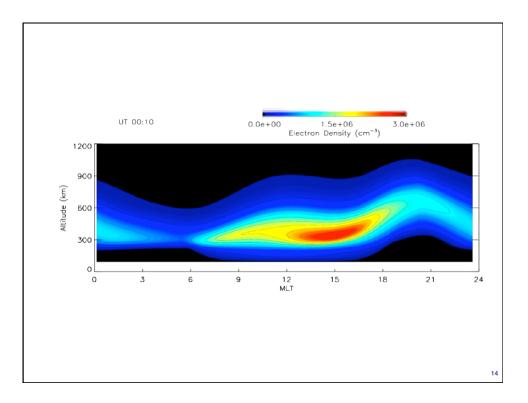




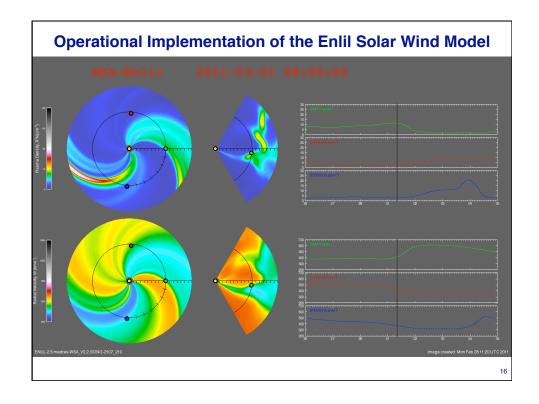














THE WHITE HOUSE Office of the Press Secretary

FOR IMMEDIATE RELEASE May 25, 2011

Joint Fact Sheet: U.S.-UK Higher Education, Science, and Innovation Collaboration

Prime Minister Cameron and President Obama agree that science and higher education are the foundation stones of their two nations' 21st century economies and that the UK and U.S. have a responsibility to further their global leadership roles in these essential fields. The U.S. funds approximately one-third of the world's scientific research and the UK is first among G-8 countries in scientific publications and citations as a fraction of GDP. In higher education, the U.S. and UK are home to the world's ten highest ranking universities.

Recognizing the great potential for productive cooperation in these domains, the Prime Minister and President reaffirmed during the State visit their mutual commitment to strong collaboration in science and higher education and agreed to work to increase the number of joint endeavours among individuals in cutting-edge laboratories, universities, scientific societies, think tanks, government agencies to develop human capital and ensure a strong and agile knowledge base. They expressed particular support for cooperation in fields that will create jobs and generate new economic opportunities in both countries while tackling some of the most pressing global challenges facing the world today. The leaders also expressed a determination to maintain research excellence that leads to economic growth and job creation...

The leaders welcomed in particular the growing partnership between the UK Meteorological Office (Met Office) and the U.S. National Oceanic and Atmospheric Administration's (NOAA) National Weather Service, codified with the signing of an historic Memorandum of Agreement in February 2011. This agreement provides for a coordinated U.S.-UK partnership in the delivery of space weather alerts to help provide critical infrastructure protection around the globe. The two governments announced today that they will embark together on an ambitious program to create the world's first combined space weather model capable of forecasting terrestrial weather with great accuracy and also indicating where, when, and for how long space weather effects will persist in our upper atmosphere and whether these anomalies are likely to disrupt and degrade GPS-enabled positioning, navigation, and timing capabilities.

