Biography



Joe Kunches is a Space Scientist at NOAA's, National Weather Service, Space Weather Prediction Center in Boulder, Colorado, a national and international center for space weather services. He is the Secretary of the International Space Environment Service (ISES), a consortium of thirteen nations plus the European Space Agency, chartered to share space weather data and forecasts under the auspices of the International Council of Science (ICSU). He is a member of the editorial advisory board of the quarterly journal *GPS Solutions*. He is also a member of the American

Geophysical Union, the Institute of Navigation, and the International Loran Association. He continues to draw on his experience as a long-time operational space weather forecaster, and will soon begin his fifth solar cycle in the space weather field. His educational background includes a B. S. in Aerospace Engineering (Notre Dame) and an M. B. S. (University of Colorado, Boulder).