

SYMPOSIUM ON INTEGRATED APPLICATIONS (B5)
Tools and Technology in support of Integrated Applications (2)

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SPACE WEATHER DATA FOR RESEARCH AND APPLICATIONS: AN INTEGRATED PROGRAM
OF REMOTE SENSING INSTRUMENTS AND SOFTWARE**Abstract**

In this paper we discuss our work in support of a suite of far ultraviolet instruments that are currently in operation in Earth orbit. These instruments were carefully designed to provide information for the basic research and the applications community. We describe how instrument design and concept of operations are tied to the development of a product suite and used in a routine production environment. These instruments are designed to support space weather research and applications - in particular investigation of ionospheric phenomena and the behavior of the neutral atmosphere. This cost-effective program emphasizes the use of an integrated product team that couples scientists and users in a co-located teaming environment. We will discuss the data flow and design as well as typical products and uses and how we manage the interaction with a diverse user community.