514-3ICD/0193

Interface Control Document
Between
the Solar and Heliospheric Observatory (SOHO)
Experimenters Operations Facility (EOF)
Core System (ECS)
and the SOHO Instrumenters

Revision 1

October 1995

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Change Information Page

List of Effective pages

Page Number	Issues
Title Page	Original
I through XI	Original
1-1 through 1- 8	Original
2-1 through 2- 10	Original
3-1 through 3- 22	Original
4-1 through 4- 5	Original

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ABSTRACT

This document describes the interface between the International Solar-Terrestrial Physics (ISTP) Solar and Heliospheric Observatory (SOHO) Experimenters' Operations Facility (EOF) Core System (ECS) and the SOHO Instrumenters. Section 1 provides an introduction to this document. Section 2 presents an overview of the interface. Section 3 defines the format of the data exchanged over the interface. Section 4 defines the communications protocols and lower level layers of the interface.

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PREFACE

This is the first revision of the Interface Control Document (ICD) between the SOHO ECS and the SOHO Instrumenters.

The interface between the ECS and the instrumenters for the commanding functions is widely based on a proposal developed by Dr Van Ballegooijen, following an action item from the November 1991 Science Operations Working Group (SOWG) splinter meeting. A preliminary outline of the ICD was presented to the instrumenters during the May 1992 splinter meeting. A draft version of the document was produced in July 1992 and discussed at the September 1992 SOWG meeting. The review copy (April 1993) was presented at the June 1993 SOWG meeting and at the ECS Critical Design Review. The final approved version is dated January 1994. Integration testing with the instrument teams and several ground system tests have shown that modifications to the ICD were necessary and those are incorporated in the present revision of the document. Revision 1 provides a final definition of the data to be exchanged in support of the mission planning functions. It also includes a revised file naming convention (see appendix A) for better compatibility with the SOHO archive.

This ICD is under the configuration management of the Mission Operations Division (MOD) Configuration Control Board (CCB). Proposed changes to this document shall be submitted to the MOD CCB, along with supportive material justifying the change. Changes shall be made by document change notice (DCN) or by complete revision.

TABLE OF CONTENTS

TABLE OF CONTENTS (Cont.)

TABLE OF CONTENTS (Cont.)

LIST OF ILLUSTRATIONS

Figure

LIST OF TABLES

Table

TABLE OF CONTENTS (Cont.)

514-3ICD/0193

Interface Control Document
Between
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May 1995

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