WEC Detailed Data Analysis Software
Documentation Plan

Swedish Institute of Space Physics
Uppsala Division
S-755 91 Uppsala
Sweden

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WEC Data Documentation Plan
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1 Introduction

1.1 Purpose of the document

This document describes the documentation of the Cluster WEC detailed data analysis system.

1.2 Scope of the software

The scope of the software is to provide tools for the detailed data analysis for the Cluster WEC instruments. This software is not concerned with the production of the CSDS data bases or any other CSDS services. The software is intended to be implemented on workstations at individual WEC scientists, at WEC CoI institutions or at WEC related data centres.

1.3 Definitions, acronyms, and abbreviations

Acronym	Meaning
ADD	Architectural Design Document
CWD	Cluster WEC Data handling
DDD	Detailed Design Document
IPG	ISDAT Programmers Guide
ISDAT	Interactive Science Data Analysis Tool
SDP	Software Documentation Plan
SUM	Software Users Manual
SVVT	Software Verification, Validation and Test
WEC	Wave Experiment Consortium

1.4 Applicable documents

This documentation plan has been written with the ESA software development recommendations [Ref. 10] as a guide.

1.5 Reference Documents

A complete reference list is found on page 4.

1.6 Overview of the document

The document mainly consists of a list of documents given in section 2.

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2 Status of Documents

Document ID	Reference	Status and comments
No ID No.	[Ref. 29]	Final Working group report
CWD-SPMP-001	[Ref. 13]	Issue 1.0 18 July 1994
CWD-SDP-0001	[Ref. 12]	Issue 1.0 15 May 1995
CWD-URD-001	[Ref. 14]	Issue 2.0, 22 June 1994
CWD-ADD-001	[Ref. 16]	Issue 1.2, 14 Nov 1994
CWD-DDD-001	[Ref. 17]	Draft 0.1, 1 Aug 1994; Describes only software conventions and standards; will probably not develop further
CWD-OBSPM-DD-001	[Ref. 28]	Issue 1.5, 16 March 1995; A complete description of the ISDAT 2.1 data structure
CWD-OBSPM-DD-002	[Ref. 1]	Issue 1.0, 21 Feb 1995; A complete description of coordinate transformation algorithms
CWD-OBSPM-TN-001	[Ref. 2]	Issue 1.2, 26 Sep 1994; Describes joining algorithms
CWD-LPCE-DD-0001	[Ref. 9]	Issue 1.0, 23 March 1995;
CWD-SVVT-001		to be written
CWD-IPG-001	[Ref. 21]	Draft 0.0, 14 Feb 1994; Valid for ISDAT 1.0 will not be updated to ISDAT 2.1; [Ref. 8] should be used instead
CWD-IPG-002	[Ref. 22]	Draft 0.0, 14 Feb 1994; Valid for ISDAT 1.0; will not be updated to ISDAT 2.1
CWD-IPG-003	[Ref. 15]	Draft 0.0, 14 Feb 1994; Valid for ISDAT 1.0 will not be updated to ISDAT 2.1; [Ref. 8] should be used instead
CWD-IPG-004	[Ref. 23]	Draft 0.0, 3 Mar 1994; Valid for ISDAT 1.0; will not be updated to ISDAT 2.1; Filters are replaced by "operators" in ISDAT 2.1
CWD-IPG-005	[Ref. 24]	Draft 0.0, 3 Mar 1994; Valid for ISDAT 1.0; will not be updated to ISDAT 2.1
CWD-IPG-006	[Ref. 25]	Draft 0.0, 14 March 1994; Valid for ISDAT 1.0; will not be updated to ISDAT 2.1; [Ref. 7] should be used instead
CWD-SUM-001	[Ref. 26]	Draft 0.0, 17 March 1994; Valid for ISDAT 1.0; Might be updated to ISDAT 2.1; Use [Ref. 4] until then
CWD-SUM-002	[Ref. 20]	Draft 0.0, 18 March 1994; Valid for ISDAT 1.0; the stm software has been updated; the document might be updated; use [Ref. 6] cuitm instead
CWD-SUM-003	[Ref. 18]	12 Jan 1992; Not formatted; Valid for ISDAT 1.0; Will be updated; Use also [Ref. 3]
CWD-SUM-004	[Ref. 19]	Only on-line files
CWD-SUM-005	[Ref. 27]	Only on-line files
CWD-SUM-006	[Ref. 11]	Draft 26 Oct 1993; Valid for ISDAT 1.0; ghplot software and manual might be up-graded to ISDAT 2.1
CWD-SUM-007		to be written; See [Ref. 5] for cuigr; an AD document for igr exist, dated 28 May 1994

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3 Reference Documents

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