APPENDIX A. FILE NAMING CONVENTIONS

A.1 "ORIGINATOR/ID" SCHEME

In this scheme, the first 3 characters of the identifier represent the originator of the file. The file name extension is three-characters long and is used to indicate the type of data contained in the file.

A file name is of the general form: **iiiccccccccccc.EXT** where:

iii: 3-letter abbreviation of the file originator name (upper-case)

CDS	for CDS	CEL	for CELIAS
CEP	for CEPAC	EIT	for EIT
GOL	for GOLF	LAS	for LASCO
MDI	for MDI	SUM	for SUMER
SWA	for SWAN	UVC	for UVCS
VIR	for VIRGO	ECS	for ECS

ccccccccccc: alphanumeric characters to uniquely identify this file

A suggestion for this field is to use 11 characters: YYMMDDHHvvv where:
YYMMDDHH represents the year, month, day and hour, and
vvv uniquely identifies this file.

For the activity plan, ECS uses the convention YYYYMMDDvvv.

For delayed and background-queue command files, this field should be limited to 9 characters since this is the maximum number of characters that the POCC and CMS software can handle. Any longer file name would be truncated. In order to avoid duplicate file names after truncation, the instrumenters are required to limit the names of delayed and background-queue files to 12 characters. For example, iiiYYMMDDHHv.DEL and iiiYYMMDDHHv.BCK are valid file names.

The validation reports for delayed and background-queue commands keep the same name as the corresponding .DEL or .BCK file with a different extension (.DRP and .BRP respectively).

.**EXT**: 3-letter field defining the data type contained in the file (upper case)

DEL	for delayed commanding data
BCK	for background-queue commanding data
IAP	for instrumenter input to the activity plan
EAP	for the ECS activity plan in fixed-field format
KAP	for the ECS activity plan in keyword format
DRP	for delayed command validation report
BRP	for background queue command validation report

A.2 "TELEMETRY FILE" SCHEME

This scheme is used for archived telemetry files. It includes a representation of the APID followed by a date representative of the data contained in the file.

A file name is of the general form: **apid_yymmdd_hhmmss.EXT** where:

apid: up to 6 alphanumeric characters (upper case) as described in table A1

yymmdd_hhmmss: a unique time stamp for this file (year, month, day, hours, minutes and seconds)

.**EXT**: 3-letter field defining the data type contained in the file (upper case)
.REL for ECS-archived real-time telemetry data
.QKL for ECS archived tape recorder files or retransmitted real-time telemetry data.

If the time-stamp of the first packet in the file contains a valid OBT or LOBT time, the file name will represent the time stamp in UT of the first packet in the file.

If the first packet of the file does not contain a valid time-stamp, the file name will represent the system time when the file was created. For example, this will apply to VIRGO telemetry packets which do not contain a time-stamp. It will also apply when an instrument is turned off. This difference in the naming process will be indicated by using the character X at the end of the file name.

File name examples:

apid_yymmdd_hhmmss.EXT
for telemetry files when the first telemetry packet contains a valid OBT or LOBT time

apid_yymmdd_hhmmssX.EXT
for telemetry files when the first telemetry packet does not contain a valid time stamp

Table A.1. SOHO APID Abbreviations

Packet Name	APID	Abbreviation
SVM HK1	8803	SVMHK1
SVM HK2	8805	SVMHK2
SVM HK3	8806	SVMHK3
SVM HK4	8809	SVMHK4
AOCS HK1	8833	AOCHK1
AOCS HK2	8835	AOCHK2
ATTITUDE 1	8836	ATTIT1
ATTITUDE 2	8839	ATTIT2
S/W	880A	SW
OBT	8000	OBT
Low Rate EXPERIMENT HK	8860	EXPHK
CDS HK	8863	CDSHK
CELIAS HK	8865	CELHK
CEPAC HK	8866	CEPHK
EIT/LASCO HK1	8869	ELAHK1
EIT/LASCO HK2	886A	ELAHK2
EIT/LASCO HK3	886C	ELAHK3
GOLF HK	886F	GOLHK
MDI HK1	8893	MDIHK1
MDI HK2	8895	MDIHK2
SUMER HK	8896	SUMHK
SWAN HK	8899	SWAHK
UVCS HK	889A	UVCHK
VIRGO HK	889C	VIRHK
CDS Science Low Rate	88A3	CDSSCL
CDS Science Medium Rate	88A5	CDSSCM
CDS Science High Rate	88A6	CDSSCH
CELIAS Science	88A9	CELSC1
CEPAC Science	88AA	CEPSC
EIT/LASCO Science Low Rate	88AC	ELASCL
EIT/LASCO Science High Rate	88AF	ELASCH
GOLF Science	88C3	GOLSC
MDI Science	88C5	MDISC
SUMER Science Low Rate	88C6	SUMSCL
SUMER Science High Rate	88C9	SUMSCH
SWAN Science	88CA	SWASC
UVCS Science	88CC	UVCSSC
VIRGO Science	88CF	VIRSC
MDI M	80C4	MDIHR
IDLE	87FF	IDLE

A.3 CDHF CONVENTION

This naming convention used for files that are exchanged between the ECS and CDHF is defined in the ICD between CDHF and the EOF (Reference 11). It applies to:

- Summary data
- As-Run plan
- Command history report
- Time correlation log
- SOHO daily report
- Orbit data
- Attitude data

The general file name is:
mission_datatype_descriptor_date_version.extension where:

• The logical file identifier is a concatenation of 5 fields:

mission SO for SOHO

datatype: identifies the type of data.

Valid datatypes for SOHO are:

AN	for ancillary data
AR	for as-run plan
AT	for attitude data
CH	for command history report
OR	for orbit data
SU	for summary data

descriptor: further qualifies the type of data.

Valid descriptors for SOHO are:

CDS	for CDS
CEL	for CELIAS
CEP	for CEPAC
EIT	for EIT
GOL	for GOLF
LAS	for LASCO
MDI	for MDI
SUM	for SUMER
SWA	for SWAN
UVC	for UVCS
VIR	for VIRGO
TCF	for Time Correlation File
SDR	for SOHO Daily Report
FTR	for full resolution attitude data
DEF	for definitive data
PRE	for predicted data
NUL	when this field does not apply (e.g, command history report)

date YYYYMMDD

version Vnn where nn = 01 to 99

• The file extension may be

.SFDU	for an SFDU file
.DAT	for a generic data file
.CDF	for a CDF file
.Snn	where nn=01 to 99, for files with several segments (e.g., summary data for a same instrument and same day)

File name examples

Summary data

Several files for the same instrument and the same day
SO_SU_EIT_19960523_V01.SFDU
SO_SU_EIT_19960523_V01.S01
SO_SU_EIT_19960523_V01.S02
SO_SU_EIT_19960523_V01.S03
Single file for a given instrument on a given day SO_SU_VIR_19960523_V01.SFDU
SO_SU_VIR_19960523_V01.DAT

Command history report

SO_CH_NUL_19960523_V01.SFDU
SO_CH_NUL_19960523_V01.DAT

As Run Plan

SO_AR_UVC_19960523_V01.SFDU
SO_AR_UVC_19960523_V01.DAT

Time correlation file

SO_AN_TCF_19960523_V01.SFDU
SO_AN_TCF_19960523_V01.DAT

SOHO Daily report

SO_AN_SDR_19960523_V01.SFDU
SO_AN_SDR_19960523_V01.DAT

Definitive attitude data

SO_AT_DEF_19950523_V01.SFDU
SO_AT_DEF_19950523_V01.CDF

Full-time resolution attitude data

SO_AT_FTR_19950523_V01.SFDU
SO_AT_FTR_19950523_V01.DAT

Predictive orbit data

SO_OR_PRE_19930523_V01.SFDU
SO_OR_PRE_19930523_V01.CDF

Definitive orbit data

SO_OR_DEF_19930523_V01.SFDU
SO_OR_DEF_19930523_V01.CDF