



# **IMP-6/7/8 PROGRAMS DOCUMENT**

*JULY 27, 1988*

Henry LO

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# Program Name: DPS6 (Data Processing System for IMP-I)

Function: This program produces time continuous Encyclopedia (ENCY) tapes from the Experimenter DECOM tapes produced by the IPD(Information Processing Division), also produces a printed data summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
refer to JCL(linkgo) in	NONE
IMP 6/7/8 User's Guide on page 1-7	

### Compile and Link Datasets

JCL	CLIST
---	-----
Construct build from IMP Programming Systems	NONE
Overview on page 81, source not verified, current	
build from load libraries (refer to IMP 6/7/8	
User's guide on page 1-7)	

### Backup Verification

- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, file 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)

- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, file 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB A

# Program Name: DPS7 (Data Processing System for IMP-H)

Function: This program produces time continuous Encyclopedia (ENCY) tapes from the Experimenter DECOM tapes produced by the IPD(Information Processing Division), also produces a printed data summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.IMP7DPS.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL(IMP7DPS)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 81, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(I7DPS32)	NONE

### Backup Verification

- SB#IM.IMP7DPS.SOURCE (no HSM)
- SB#IM.Z.IMP7DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP7DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 49)

- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10, 11, 28, 32, 52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: Room 261, Building 1	
Last Revised:	
Pages:	loose TAB M

# Program Name: DPS8 (Data Processing System for IMP-J)

Function: This program produces time continuous Encyclopedia (ENCY) tapes from the Experimenter DECOM tapes produced by the IPD(Information Processing Division), also produces a printed data summary and a printed catalog summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.IMP8DPS.SOURCE, SB#IM.IMP7DPS.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (IMP8DPS)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 81, source not verified, after load module build, run SB#IM.IMP8DPS.SOURCE(B\$UNLOA) to obtain current load module ,see \$DIR member for explanation of final step.	NONE

### Backup Verification

- SB#IM.IMP8DPS.SOURCE (HSM: 85/12/11)
- SB#IM.Z.IMP8DPS.SOURCE.V0183035 (LIBMAN)

- SB#IM.Z.IMP8DPS.SOURCE.V0183035 (TAPE IMPBK1, FILE 300)
- SB#IM.IMP7DPS.SOURCE (no HSM)
- SB#IM.Z.IMP7DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP7DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 49)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10, 11, 28, 32, 52	IMP-6/7/8 (loose leaf note book)
Author: P. Sshuster	
Location: Room 261, Building 1	
Last Revised:	
Pages:	loose TAB U

# Program Name: DBG6 (Data Base Generator for IMP-I)

Function: This program reads Encyclopedia(ENCY) tapes to create CNTS and PHAS tapes for the Cosmic Ray experiment on board the IMP-I spacecraft, also generates a printed summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.DBG6.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
refer to JCL(linkgo) in	NONE
IMP 6/7/8 User's Guide on page 2-4	

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems	NONE
Overview on page 78, source not verified, or	
build from load libraries (refer to IMP 6/7/8	
User's guide on page 2-4)	

### Backup Verification

- SB#IM.DBG6.SOURCE (HSM: 85/03/06)
- SB#IM.Z.DBG6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.DBG6.SOURCE.V0183039 (TAPE IMPBK1, FILE 81)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)



- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB B
Name:IMP-6 Documentation BOOK 1	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: DBG7 (Data Base Generator for IMP-H)

Function: This program reads Encyclopedia(ENCY) tapes to create CNTS and PHA tapes for the Cosmic Ray experiment on board the IMP-H spacecraft, also generates a printed summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.DBG7.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (DBG7)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming System Overview on page 78, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(I7DBG32)	NONE

### Backup Verification

- SB#IM.DBG7.SOURCE (HSM: 85/03/06)
- SB#IM.Z.DBG7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.DBG7.SOURCE.V0183035 (TAPE IMPBK1, FILE 132)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)

- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB Mc
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: DBG8 (Data Base Generator for IMP-J)

Function: This program reads Encyclopedia(ENCY) tapes to create CNTS and PHA tapes for the Cosmic Ray experiment on IMP-J spacecraft, also generates a printed summary.

## *Datasets*

### Source Dataset(s)

- SB#IM.DBG8.SOURCE, SB#IM.DBG7.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (DBG8)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 78, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(I8DBG)	NONE

### Backup Verification

- SB#IM.DBG8.SOURCE (HSM: 85/03/06)
- SB#IM.Z.DBG8.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.DBG8.SOURCE.V0183035 (TAPE IMPBK1, FILE 131)
- SB#IM.DBG7.SOURCE (HSM: 85/03/06)

- SB#IM.Z.DBG7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.DBG7.SOURCE.V0183035 (TAPE IMPBK1, FILE 132)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP Documentation BOOK 2 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB V

## Program Name: VLET SUMMARY (for IMP-J)

Function: This program reads Counts tapes to create VLET PHA Summary(VLET) tapes for the Cosmic Ray Experiment on board the IMP-J spacecraft.

### *Datasets*

#### Source Dataset(s)

- SB#IM.VLTSMRY8.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.ANALIMP8.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

#### Library Dataset(s)

- FTIO package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (VLTSMRY8)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 114, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(VLETSUM), subsequently build pseudo FTIO ,see SB#IM.PSEUDO.CNTL(VLTSMR8B)	NONE

#### Backup Verification

- SB#IM.VLTSMRY8.SOURCE (HSM: 85/03/06)
- SB#IM.Z.VLTSMRY8.SOURCE.V0284110 (LIBMAN)
- SB#IM.Z.VLTSMRY8.SOURCE.V0284110 (TAPE IMPBK1, FILE 68)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)

- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB B'

# Program Name: COUNTS SUMMARY (for IMP-I)

Function: This program generates summary counts(SMCT) tapes from the IMP-I CNTS tapes by averaging counts data over 15-minute intervals.

## *Datasets*

### Source Dataset(s)

- SB#IM.CNTSMRY6.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL(CNTSMRY6)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 74, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(CNTSMRY6)	NONE

### Backup Verification

- SB#IM.CNTSMRY6.SOURCE (no HSM)
- SB#IM.Z.CNTSMRY6.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.CNTSMRY6.SOURCE.V0183035 (TAPE IMPBK1, FILE 293)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)



- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP-6 Documentation BOOK 1 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB K

# Program Name: COUNTS SUMMARY (for IMP-H)

Function: This program generates summary counts(SMCT) tapes from the IMP-H CNTS tapes by averaging counts data over 15-minute intervals.

## *Datasets*

### Source Dataset(s)

- SB#IM.CNTSMRY7.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (CNTSMRY7)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 74, source not verified, current build form linkgo in SB#IM.OLDLIB.CNTL(CNTSMRY7)	NONE

### Backup Verification

- SB#IM.CNTSMRY7.SOURCE (no HSM)
- SB#IM.Z.CNTSMRY7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.CNTSMRY7.SOURCE.V0183035 (TAPE IMPBK1, FILE 289)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)

- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP Documentation BOOK 2 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB F'

# Program Name: COUNTS SUMMARY (for IMP-J)

Function: This program generates summary counts(SMCT) tapes from the IMP-J CNTS tapes by averaging counts data.

## *Datasets*

### Source Dataset(s)

- SB#IM.CNTSMRY8.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (CNTSMRY8)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 74, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(CNTSMRY8)	NONE

### Backup Verification

- SB#IM.CNTSMRY8.SOURCE (no HSM)
- SB#IM.Z.CNTSMRY8.SOURCE.V0284110 (LIBMAN)
- SB#IM.Z.CNTSMRY8.SOURCE.V0284110 (TAPE IMPBK3, FILE 74)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)

- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP Documentation BOOK 2 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB H'

# Program Name: COMPRESSION

Function: This program copies data from 1600 BPI tapes to 6250 BPI tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.COMPRESS.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
executed by running PRECOM	SB#IM.LIB.CLIST(PRECOM)

### Compile and Link Datasets

JCL	CLIST
---	-----
SB#IM.COMPRESS.SOURCE(\$BUILD)	NONE

### Backup Verification

- SB#IM.COMPRESS.SOURCE (no HSM)
- SB#IM.Z.COMPRESS.SOURCE.V0184192 (LIBMAN)
- SB#IM.Z.COMPRESS.SOURCE.V0184192 (TAPE IMPBK3, FILE 91)

## *Program Documentation*

Document

User's Guide

-----  
Name:IMP Data Base Compression  
Preprocessor for Compression program  
Author: B. S. Reddy  
Location: room 261, Building 1  
Last Revised:  
Pages:  
Name:IMP Data Base Compression  
Maintenance Manual  
Author: B. S. Reddy  
Location: room 261, Building 1  
Last Revised:  
Pages:  
Name:IMP Data Base Compression Software  
Detail Design  
Author: B. S. Reddy  
Location: room 261, Building 1  
Last Revised:  
Pages:  
Name:IMP Data Base Compression Analysis Report  
Author: B. S. Reddy  
Location: room 261, Building 1  
Last Revised:  
Pages:

-----  
Procedure Guide for IMP  
Data Base Compression  
M. Shen  
room 261, Building 1  
85/03/25  
  
IMP Data Base Compression  
User's Guide  
B. S. Reddy  
room 261, Building 1  
  
User's Guide for COMCHK  
  
B. S. Reddy  
room 261, Building 1

# Program Name: INTERMEDIATE FLUX (for all IMP)

Function: This programs sorts PHA events from PHA tapes into the LED and MED flux boxes. Selected rates information in addition to the box counts are summarized over 5-minute intervals and written out as IMP FLUX tape records.

## *Datasets*

### Source Dataset(s)

- SB#IM.INTFLUX.SOURCE, SB#IM.FINEGAIN.CNTL
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (FLUX7DBG)	NONE
SB#IM.LIB.CNTL (FLUX8DBG)	

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems	NONE
Overview on page 97, source is 95% confidence,	
current build from linkgo in	
SB#IM.OLDLIB.CNTL(FLUX7JCL),	
SB#IM.OLDLIB.CNTL(FLUX8JCL) then make pseudo FTIO	
from SB#IM.PSEUDO.CNTL(FLUX7B) and member FLUX8B	

### Backup Verification

- SB#IM.INTFLUX.SOURCE (HSM: 87/11/28)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (LIBMAN)



- SB#IM.Z.INTFLUX.SOURCE.V0183035 (TAPE IMPBK3, FILE 140)
- SB#IM.FINEGAIN.CNTL (HSM: 88/04/29)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (LIBMAN)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (TAPE IMPBK3, FILE 127)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB H
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: INTERMEDIATE FLEX (for IMP-H/J)

Function: This program sorts PHA events from PHA tapes into the LED and MED flux boxes. Selected rates information in addition to the box counts are summarized over 5-minutes intervals and written out as IMP FLEX tape records.

## *Datasets*

### Source Dataset(s)

- SB#IM.INTFLUX.NEWSOURC, SB#IM.INTFLUX.SOURCE
- SB#IM.UTILITY.SOURCE
- 

### Library Dataset(s)

- FTIO, DAIO packages

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL(FLEX7DBG)	NONE
SB#IM.LIB.CNTL(FLEXDBG8)	

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 97, source is 95% confidence, current build from linkgo in SB#IM.OLDLIB.CNTL(FLEX7JCL), SB#IM.OLDLIB.CNTL(FLEX8JCL), then make pseudo FTIO from SB#IM.PSEUDO.CNTL(FLEX7B) and member FLEX8B	NONE

## Backup Verification

- SB#IM.INTFLUX.NEWSOURC (HSM: 87/11/28)
- SB#IM.INTFLUX.NEWSOURC.V0183039 (LIBMAN)
- SB#IM.INTFLUX.SOURCE (HSM: 87/11/28)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (TAPE IMPBK3, FILE 140)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document

-----

User's Guide

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Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52  
Author: P. Schuster  
Location: room 261, Building 1  
Last Revised:  
Pages:

# Program Name: PHA SUMMARIZER 6 ( FOR IMP-I)

Function: This program reads PHAS tapes to create PHA SUMMARY(MATR) tapes and LOW GAIN data(LOWG) tapes for the Cosmic Ray experiment on board the IMP-I spacecraft.

## *Datasets*

### Source Dataset(s)

- SB#IM.PHASUM6.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
refer to JCL(linkgo) in	NONE
IMP 6/7/8 User's Guide on page 3-4	

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems	NONE
Overview on page 105, source not verified, current	
build from load libraries (refer to IMP 6/7/8	
User's Guide on page 3-4)	

### Backup Verification

- SB#IM.PHASUM6.SOURCE (no HSM)
- SB#IM.Z.PHASUM6.SOURCE.V0283129 (LIBMAN)
- SB#IM.Z.PHASUM6.SOURCE.V0283129 (TAPE IMPBK1, FILE 327)
- SB#IM.IMP6DPS.SOURCE (no HSM)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)

- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP-6 Documentation BOOK 1 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB C

# Program Name: PHA SUMMARIZER 7 ( FOR IMP-H)

Function: This program reads PHAS tapes to create PHA SUMMARY(MATR) tapes and LOW GAIN data(LOWG) tapes for the Cosmic Ray experiment on board the IMP-H spacecraft.

## *Datasets*

### Source Dataset(s)

- SB#IM.PHASUM7.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.UTILITY.SOURCE, SB#IM.READCT.FORT
- SB#IM.PSEUDO.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (PHASUM7)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
existing load module made from SB#IM.OLDLIB.CNTL (PHASUM7) but source is about 95% confidence, see IMP Programming System Overview on page 105, and SB#IM.PSEUDO.CNTL (PHASUM7B) for pseudo FTIO build onto load module.	NONE

### Backup Verification

- SB#IM.PHASUM7.SOURCE (HSM: 87/11/05)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (TAPE IMPBK1, FILE 235)

- SB#IM.IMP6DPS.SOURCE (no HSM)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB N
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: PHA SUMMARIZER 8 ( FOR IMP-J)

Function: This program reads PHAS tapes to create PHA SUMMARY(MATR) tapes and LOW GAIN data(LOWG) tapes for the Cosmic Ray experiment on board the IMP-J spacecraft.

## *Datasets*

### Source Dataset(s)

- SB#IM.PHASUM8.SOURCE, SB#IM.PHASUM7.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (PHASUM8)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
existing load module made from SB#IM.OLDLIB.CNTL (PHASUM8) but source is about 95% confidence, see IMP Programming System Overview on page 105, and SB#IM.PSEUDO.CNTL (PHASUM8B) for pseudo FTIO build on load module.	NONE

### Backup Verification

- SB#IM.PHASUM8.SOURCE (no HSM)
- SB#IM.Z.PHASUM8.SOURCE.V0284055 (LIBMAN)
- SB#IM.Z.PHASUM8.SOURCE.V0284055 (TAPE IMPBK3, FILE 49)



- SB#IM.PHASUM7.SOURCE (HSM: 87/11/05)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (TAPE IMPBK1, FILE 235)
- SB#IM.IMP6DPS.SOURCE (no HSM)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB W
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

## Program Name: ANALIMP6 (for IMP-I)

Function: This program is to analyze PHA data from PHAS, MATR, or LOWG tapes. This Program produces A VS B OR D VS E plots of IMP-I PHA data, compute the distribution of particles about a centroidal curve, and prints histogram to reflect this distribution.

### *Datasets*

#### Source Dataset(s)

- SB#IM.ANALIMP8.SOURCE, SB#IM.ANALIMP6.SOURCE
- SB#IM.INTFLUX.SOURCE, SB#IM.HGPLT6.SOURCE
- SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANALIMP6)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 67, source is not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (ANALIMP6)	NONE

#### Backup Verification

- SB#IM.ANALIMP6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (LIBMAN)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (TAPE IMPBK1, FILE 150)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)

- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.INTFLUX.SOURCE (HSM: 87/11/28)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (TAPE IMPBK3, FILE 140)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP-6 Documentation BOOK 1 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB G

## Program Name: ANALIMP7 (for IMP-H)

Function: This program is to analyze PHA data from PHAS, MATR, OR LOWG tapes. This Program produces A VS B OR D VS E plots of IMP-H PHA data, compute the distribution of particles about a centroidal curve, and prints histogram to reflect this distribution.

### *Datasets*

#### Source Dataset(s)

- SB#IM.ANALIMP8.SOURCE, SB#IM.ANALIMP7.SOURCE
- SB#IM.ANALIMP6.SOURCE, SB#IM.INTFLUX.SOURCE
- SB#IM.HGPLT6.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANALIMP7)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 67, source is 95% confidence, current build from linkgo in SB#IM.OLDLIB.CNTL(ANALIMP7), then run SB#IM.PSEUDO.CNTL(ANALIM7B)	NONE

#### Backup Verification

- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)

- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.ANALIMP7.SOURCE (HSM: 87/09/08)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (LIBMAN)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (TAPE IMPBK3, FILE 141)
- SB#IM.ANALIMP6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (LIBMAN)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (TAPE IMPBK1, FILE 150)
- SB#IM.INTFLUX.SOURCE (HSM: 87/11/28)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (TAPE IMPBK3, FILE 140)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB G
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

## Program Name: ANALIMP8 (for IMP-J)

Function: This program is to analyze PHA data from PHAS, MATR, OR LOWG tapes. This program produces A VS B OR D VS E plots of IMP-J PHA data, compute the distribution of particles about a centroidal curve, and prints histogram to reflect this distribution.

### *Datasets*

#### Source Dataset(s)

- SB#IM.ANALIMP8.SOURCE, SB#IM.ANALIMP7.SOURCE
- SB#IM.ANALIMP6.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANALIMP8)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
current build from SB#IM.ANALIMP8.SOURCE(\$BUILD) then run SB#IM.PSEUDO.CNTL(ANALIM8B)	NONE

#### Backup Verification

- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.ANALIMP7.SOURCE (HSM: 87/09/08)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (LIBMAN)

- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (TAPE IMPBK3, FILE 141)
- SB#IM.ANALIMP6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (LIBMAN)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (TAPE IMPBK1, FILE 150)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB J'
Name:IMP Documentation BOOK 2	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

## Program Name: ANLIMP7F (for IMP-H)

Function: This program is to analyze PHA data from PHAS, MATR, OR LOWG tapes. This Program produces A VS B OR D VS E plots of IMP-H PHA data, compute the distribution of particles about a centroidal curve, and prints histogram to reflect this distribution. The finegain factor will be applied in the program.

### *Datasets*

#### Source Dataset(s)

- SB#IM.ANLIMP8F.SOURCE, SB#IM.ANLIMP7F.SOURCE
- SB#IM.ANALIMP6.SOURCE, SB#IM.INTFLUX.SOURCE
- SB#IM.HGPLT6.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL
- SB#IM.FINEGAIN.CNTL

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANLIMP7F)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
current build from linkgo in SB#IM.ANLIMP7F.SOURCE(\$JCLF), then run SB#IM.PSEUDO.CNTL (ANLIM7FB)	

#### Backup Verification

- SB#IM.ANLIMP7F.SOURCE (HSM: 87/09/08)
- SB#IM.Z.ANLIMP7F.SOURCE.V0288061 (LIBMAN)



- SB#IM.Z.ANLIMP7F.SOURCE.V0288061 (TAPE IMPBK3, FILE 142)
- SB#IM.ANLIMP8F.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANLIMP8F.SOURCE.V0284178 (LIBMAN)
- SB#IM.Z.ANLIMP8F.SOURCE.V0284178 (TAPE IMPBK3, FILE 89)
- SB#IM.ANALIMP6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (LIBMAN)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (TAPE IMPBK1, FILE 150)
- SB#IM.INTFLUX.SOURCE (HSM: 87/11/28)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.INTFLUX.SOURCE.V0183035 (TAPE IMPBK3, FILE 140)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)
- SB#IM.FINEGAIN.CNTL (HSM: 88/04/29)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (LIBMAN)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (TAPE IMPBK3, FILE 127)

## *Program Documentation*

Document

User's Guide

-----  
 Name:IMP Programming Systems Overview for the  
       Cosmic Ray and Solar Electron Experiments  
       10,11,28,32,52  
 Author: P. Schuster  
 Location: room 261, Building 1  
 Last Revised:  
 Pages:

## Program Name: ANLIMP8F (for IMP-J)

Function: This program is to analyze PHA data from PHAS, MATR, OR LOWG tapes. This program produces A VS B OR D VS E plots of IMP-J PHA data, compute the distribution of particles about a centroidal curve, and prints histogram to reflect this distribution. The finegain factor will be applied in the program.

### *Datasets*

#### Source Dataset(s)

- SB#IM.ANLIMP8F.SOURCE, SB#IM.ANLIMP7F.SOURCE
- SB#IM.ANALIMP6.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL
- SB#IM.FINEGAIN.CNTL

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANLIMP8F)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
current build from SB#IM ANLIMP8F.SOURCE(\$BUILD) then run SB#IM.PSEUDO.CNTL (ANLIMP8F)	NONE

#### Backup Verification

- SB#IM.ANLIMP8F.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANLIMP8F.SOURCE.V0284178 (LIBMAN)
- SB#IM.Z.ANLIMP8F.SOURCE.V0284178 (TAPE IMPBK3, FILE 89)
- SB#IM.ANLIMP7F.SOURCE (HSM: 87/09/08)

- SB#IM.Z.ANLIMP7F.SOURCE.V0288061 (LIBMAN)
- SB#IM.Z.ANLIMP7F.SOURCE.V0288061 (TAPE IMPBK3, FILE 142)
- SB#IM.ANALIMP6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (LIBMAN)
- SB#IM.Z.ANALIMP6.SOURCE.V0283138 (TAPE IMPBK1, FILE 150)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)
- SB#IM.FINEGAIN.CNTL (HSM: 88/04/29)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (LIBMAN)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (TAPE IMPBK3, FILE 127)

## *Program Documentation*

Document

User's Guide

-----  
 Name:IMP Programming Systems Overview for the  
       Cosmic Ray and Solar Electron Experiments  
       10,11,28,32,52  
 Author: P. Schuster  
 Location: room 261, Building 1  
 Last Revised:  
 Pages:

# Program Name: HGPLT6 (for IMP-I)

Function: This program is to analyze PHA and COUNT data from MATR tapes. The HGPLT6 Program produces plots, statistics and histograms.

## *Datasets*

### Source Dataset(s)

- SB#IM.HGPLT6.SOURCE, SB#IM.HGPLT8.SOURCE
- SB#IM.ANALIMP8.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (HGP6JCL)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 94, source is not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (HGP6JCL)	NONE

### Backup Verification

- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.HGPLT8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (LIBMAN)

- SB#IM.Z.HGPLT8.SOURCE.V0384054 (TAPE IMPBK3, FILE 47)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB D
Name:IMP-6 Documentation BOOK 1	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

## Program Name: HGPLT7 (for IMP-H)

Function: This program is to analyze PHA and COUNT data from MATR tapes. This program produces plots, statistics and histograms.

### *Datasets*

#### Source Dataset(s)

- SB#IM.HGPLT7.SOURCE, SB#IM.HGPLT6.SOURCE
- SB#IM.HGPLT8.SOURCE, SB#IM.ANALIMP8.SOURCE
- SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (HGP7JCL)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 94, source is not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(HGP7JCL).	NONE

#### Backup Verification

- SB#IM.HGPLT7.SOURCE (no HSM)
- SB#IM.Z.HGPLT7.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT7.SOURCE.V0183039 (TAPE IMPBK1, FILE 61)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)

- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.HGPLT8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (LIBMAN)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (TAPE IMPBK3, FILE 47)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB 0

# Program Name: HGPLT8 (for IMP-J)

Function: This program is to analyze PHA and COUNT data from MATR tapes. This program produces plots, statistics and histograms.

## *Datasets*

### Source Dataset(s)

- SB#IM.HGPLT8.SOURCE, SB#IM.ANALIMP8.SOURCE
- SB#IM.HGPLT6.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package, SB#IM.OIMPILIB.LOAD(RAND)

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (HGP8JCL)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
SB#IM.HGPLT8.SOURCE (\$BUILD\$)	NONE

### Backup Verification

- SB#IM.HGPLT8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (LIBMAN)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (TAPE IMPBK3, FILE 47)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)



- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10, 11, 28, 32, 52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB XYZ

## Program Name: LGPLT6 (for IMP-I)

Function: The program analyzes low gain data transmitted from IMP-I spacecraft. The program provides matrix plots by orbit, by specific time periods or by intervals of time with designated lengths for different event types. Also the histograms and statistics are printed.

### *Datasets*

#### Source Dataset(s)

- SB#IM.LGPLT6.SOURCE, SB#IM.ANALIMP8.SOURCE
- SB#IM.HGPLT6.SOURCE, SB#IM.IMP6PDS.SOURCE
- SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (LGP6JCL)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 102 , source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (LGP6JCL)	NONE

#### Backup Verification

- SB#IM.LGPLT6.SOURCE (no HSM)
- SB#IM.Z.LGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.LGPLT6.SOURCE.V0183039 (TAPE IMPBK1, FILE 59)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)

- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.HGPLT6.SOURCE (HSM: 87/12/16)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52 Author: P. Schuster Location: room 261, Building 1 Last Revised: Pages:	IMP-6/7/8 (loose leaf note book)
Name:IMP-6 Documentation BOOK 1 Author: Location: room 261, Building 1 Last Revised: Pages:	loose TAB E

## Program Name: LGPLT7 (for IMP-H)

Function: The program analyzes low gain data transmitted from IMP-H spacecraft. The program provides matrix plots by orbit, by specific time periods or by intervals of time with designated lengths for different event types. Also the histograms and statistics are printed.

### *Datasets*

#### Source Dataset(s)

- SB#IM.LGPLT7.SOURCE, SB#IM.ANALIMP8.SOURCE
- SB#IM.LGPLT6.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.HGPLT6.SOURCE, SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (LGP7JCL)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 102 , source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (LGP7JCL) .	NONE

#### Backup Verification

- SB#IM.LGPLT7.SOURCE (no HSM)
- SB#IM.Z.LGPLT7.SOURCE.V0284110 (LIBMAN)
- SB#IM.Z.LGPLT7.SOURCE.V0284110 (TAPE IMPBK3, FILE 71)
- SB#IM.LGPLT6.SOURCE (no HSM)

- SB#IM.Z.LGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.LGPLT6.SOURCE.V0183039 (TAPE IMPBK1, FILE 59)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB E

## Program Name: LGPLT8 (for IMP-J)

Function: The program analyzes low gain data transmitted from IMP-J spacecraft. The program provides matrix plots by orbit, by specific time periods or by intervals of time with designated lengths for different event types. Also the histograms and statistics are printed.

### *Datasets*

#### Source Dataset(s)

- SB#IM.LGPLT8.SOURCE, SB#IM.ANALIMP8.SOURCE
- SB#IM.HGPLT8.SOURCE, SB#IM.HGPLT6.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (LGP8JCL)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 102 , source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (LGP8JCL)	NONE

#### Backup Verification

- SB#IM.LGPLT8.SOURCE (HSM: 88/02/05)
- SB#IM.Z.LGPLT8.SOURCE.V0284104 (LIBMAN)
- SB#IM.Z.LGPLT8.SOURCE.V0284104 (TAPE IMPBK3, FILE 65)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)

- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.HGPLT8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (LIBMAN)
- SB#IM.Z.HGPLT8.SOURCE.V0384054 (TAPE IMPBK3, FILE 47)
- SB#IM.HGPLT6.SOURCE (HSM: 87/08/14)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.HGPLT6.SOURCE.V0183039 (TAPE IMPBK3, FILE 7)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10, 11, 28, 32, 52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB A'

# Program Name: DBTIME

Function: The program is to validate the IMP PHAS, CNTS, and ENCY data bases and provide a history of time consistency, missing data (data gaps) and any overlap data encountered during the data scan.

## *Datasets*

### Source Dataset(s)

- SB#IM.DBTIME.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
NONE	SB#IM.DBTIME.CLIST (SUBMIT)

### Compile and Link Datasets

JCL	CLIST
---	-----
SB#IM.DBTIME.SOURCE (\$BUILD)	NONE

### Backup Verification

- SB#IM.DBTIME.SOURCE (HSM: 88/05/18)
- SB#IM.Z.DBTIME.SOURCE.V0386283 (LIBMAN)
- SB#IM.Z.DBTIME.SOURCE.V0386283 (TAPE IMPBK3, FILE 122)

## *Program Documentation*



Document

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Name: IMP DATA BASE TIME STUDY PROGRAM  
Author: B.S.REDDY  
Location: room 261, Building 1  
Last Revised: 7/1/85  
Pages:

User's Guide

-----

## Program Name: RATEPLOT (for all IMP)

Function: This program produces microfilm plotter tapes, PC rate file tape, and rate reprints of rates data from IMP 6/7/8 Cosmic Ray Experiments. The input to the program can be either CNTS or SMCT tapes. The averaging interval for the data can be specified from every readout up to 12-hour averages. The option is also provided for generating the sums, difference, or ratios of pairs of rates.

### *Datasets*

#### Source Dataset(s)

- SB#IM.IMPLOT2.SOURCE, SB#IM.READCT.FORT
- SB#IM.PSEUDO.CNTL

#### Library Dataset(s)

- FTIO package, SC4060 plot package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (RATEPLT8)	NONE
SB#IM.LIB.CNTL (RATEPLT7)	
SB#IM.LIB.CNTL (RATEPLT6)	

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from linkgo from	
SB#IM.IMPLOT2.SOURCE(\$EXEC\$), then run	NONE
SB#IM.PSEUDO.CNTL (RATEPLTB)	

#### Backup Verification

- SB#IM.IMPLOT2.SOURCE (HSM: 88/01/05)
- SB#IM.Z.IMPLOT2.SOURCE.V0286044 (LIBMAN)
- SB#IM.Z.IMPLOT2.SOURCE.V0286044 (TAPE IMPBK3, FILE 114)
- SB#IM.READCT.FORT (HSM: 85/12/24)

- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB I
Name:IMP-6 Documentation BOOK 1	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: VLET PHA PLOT (for IMP-J)

Function: This program produces two-detector matrices (DI vs. DII, DI vs. E, and DII vs. E), one detector histograms, and rate information from VLET tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.I8VLTPLT.SOURCE, SB#IM.UTILITY.SOURCE
- pioneer plot program PILOT
- pioneer programs data reduction subroutines
- (CNVMJD, CONTIM, QBIT, SKIP)

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (VLT8PLT)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 116, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (VLT8PLT)	NONE

### Backup Verification

- SB#IM.I8VLTPLT.SOURCE (no HSM)
- SB#IM.Z.I8VLTPLT.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.I8VLTPLT.SOURCE.V0183035 (TAPE IMPBK1, FILE 92)

- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB C'

## Program Name: PFLUX (for IMP-J)

Function: This program reads PHAS tapes to print and/or plot proton data for the two IMP-J DEFG proton boxes 20-40Mev and 40-80Mev. This program is used to produce tapes sent to NSSDC.

### *Datasets*

#### Source Dataset(s)

- SB#IM.I8PFLUX.SOURCE, SB#IM.EFLUX78.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (I8PROFLX)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 100, source not verified.	NONE

#### Backup Verification

- SB#IM.I8PFLUX.SOURCE (no HSM)
- SB#IM.Z.I8PFLUX.SOURCE.V0384096 (LIBMAN)
- SB#IM.Z.I8PFLUX.SOURCE.V0384096 (TAPE IMPBK3, FILE 58)
- SB#IM.EFLUX78.SOURCE (no HSM)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)

- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB N'

# Program Name: DECOM TAPE LIST (for IMP-H/J)

Function: This program produces a formatted listing of file headers and (optionally) spacecraft clock readouts or all data for the Cosmic Ray Experiment.

## *Datasets*

### Source Dataset(s)

- SB#IM.LST32.SOURCE

### Library Dataset(s)

- not sure

### Run Dataset(s)

JCL	CLIST
----	-----
SB#IM.LIB.CNTL (\$DECOML)	NONE

### Compile and Link Datasets

JCL	CLIST
----	-----
current build from linkgo in IMP-6/7/8 User's Guide on page loose TAB R	NONE

### Backup Verification

- SB#IM.LST32.SOURCE (no HSM)
- SB#IM.Z.LST32.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.LST32.SOURCE.V0183039 (TAPE IMPBK1, FILE 14)

## *Program Documentation*



Document

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Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

User's Guide

-----

IMP-6/7/8  
(loose leaf  
note book)

loose TAB R

## Program Name: FLUXPLOT (for all IMP)

Function: This program is capable of plotting and listing time histories fluxes as well as energy spectra, for flux data from any combination of the 3 IMP satellites.

### *Datasets*

#### Source Dataset(s)

- SB#IM.FLXPLOT.SOURCE, SB#IM.IMPLOT2.SOURCE,
- SB#IM.UTILITY.SOURCE

#### Library Dataset(s)

- FTIO package, N.LAL 4060 plot package

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (FLUXPLT6)	NONE
SB#IM.LIB.CNTL (FLUXPLT7)	
SB#IM.LIB.CNTL (FLUXPLT8)	

#### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems	NONE
Overview on page 90, source is 100% confidence,	
current build from linkgo in	
SB#IM.OLDLIB.CNTL(FLUXPLT6) and members FLUXPLT7,	
FLUXPLT8.	

#### Backup Verification

- SB#IM.FLXPLOT.SOURCE (HSM: 87/08/28)
- SB#IM.Z.FLXPLOT.SOURCE.V0283035 (LIBMAN)
- SB#IM.Z.FLXPLOT.SOURCE.V0283035 (TAPE IMPBK1, FILE 231)
- SB#IM.IMPLOT2.SOURCE (HSM: 88/01/05)

- SB#IM.Z.IMPLOT2.SOURCE.V0286044 (LIBMAN)
- SB#IM.Z.IMPLOT2.SOURCE.V0286044) (TAPE IMPBK3, FILE 114)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB L

# Program Name: FLEXPLOT (for IMP-H/J)

Function: This program is capable of plotting and listing time histories fluxes as well as energy spectra, for flux data from any combination of the 2 IMP satellites.

## *Datasets*

### Source Dataset(s)

- SB#IM.FLXPLOT.NEWSOURC, SB#IM.IMPLOT2.SOURCE,
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package, N.LAL 4060 plot package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (FLEXPLT7)	NONE
SB#IM.LIB.CNTL (FLEXPLT8)	

### Compile and Link Datasets

JCL	CLIST
---	-----
current build from linkgo in	
SB#IM.FLXPLOT.NEWSOURC(JCL7) and members JCL8	

### Backup Verification

- SB#IM.FLXPLOT.NEWSOURC (HSM: 87/08/28)
- SB#IM.IMPLOT2.SOURCE (HSM: 88/01/05)
- SB#IM.Z.IMPLOT2.SOURCE.V0286044 (LIBMAN)
- SB#IM.Z.IMPLOT2.SOURCE.V0286044 (TAPE IMPBK3, FILE 114)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)

- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document

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User's Guide

-----

Name:IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

## Program Name: VLET LIST (for IMP-J)

Function: This program lists VLET events for either or both event types for selected time periods from IMP-J CNTS tapes.

### *Datasets*

#### Source Dataset(s)

- SB#IM.I8VLTST.SOURCE

#### Library Dataset(s)

- not sure

#### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL(VLETST8)	NONE

#### Compile and Link Datasets

JCL	CLIST
---	-----
current build from linkgo in SB#IM.OLDLIB.CNTL(VLETST8)	NONE

#### Backup Verification

- SB#IM.I8VLTST.SOURCE (no HSM)
- SB#IM.Z.I8VLTST.SOURCE.V0183049 (LIBMAN)
- SB#IM.Z.I8VLTST.SOURCE.V0183049 (TAPE IMPBK1, FILE 301)

### *Program Documentation*

Document

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Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10, 11, 28, 32, 52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

User's Guide

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IMP-6/7/8  
(loose leaf  
note book)

loose TAB D'

# Program Name: MULTIPLE TIME SUMMARIZOR (for IMP-I)

Function: This program reads PHAS tapes to generate multiple time period MATR tapes and LOWG tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.MTSUM6.SOURCE, SB#IM.PHASUM6.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
refer to JCL(linkgo) in	NONE
IMP 6/7/8 User's Guide on page 8-3	

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems	NONE
Overview on page 111, source not verified, current	
build from load libraries (refer to IMP 6/7/8	
User's Guide on page 8-3)	

### Backup Verification

- SB#IM.MTSUM6.SOURCE (no HSM)
- SB#IM.Z.MTSUM6.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.MTSUM6.SOURCE.V0183039 (TAPE IMPBK1, FILE 83)
- SB#IM.PHASUM6.SOURCE (no HSM)



- SB#IM.Z.PHASUM6.SOURCE.V0283129 (LIBMAN)
- SB#IM.Z.PHASUM6.SOURCE.V0283129 (TAPE IMPBK1, FILE 327)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB L'
Name:IMP-6 Documentation BOOK 1	
Author:	
Location: room 261, Building 1	
Last Revised:	
Pages:	

# Program Name: MULTIPLE TIME SUMMARIZOR (for IMP-H)

Function: This program reads PHAS tapes to generate multiple time period MATR tapes and LOWG tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.TIMSUM7.SOURCE, SB#IM.PHASUM7.SOURCE
- SB#IM.IMP6DPS.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (TIMSUM7)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 111, source is 95% confidence, current build from linkgo in SB#IM.OLDLIB.CNTL(TIMSUM7), then run SB#IM.PSEUDO.CNTL(PTIMSUM7)	NONE

### Backup Verification

- SB#IM.TIMSUM7.SOURCE (HSM: 85/10/29)
- SB#IM.Z.TIMSUM7.SOURCE.V0285325 (LIBMAN)
- SB#IM.Z.TIMSUM7.SOURCE.V0285325 (TAPE IMPBK3, FILE 113)

- SB#IM.PHASUM7.SOURCE (HSM: 87/11/05)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (TAPE IMPBK1, FILE 235)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document

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User's Guide

-----

Name:IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

# Program Name: MULTIPLE TIME SUMMARIZOR (for IMP-J)

Function: This program reads PHAS tapes to generate multiple time period MATR tapes and LOWG tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.TIMSUM8.SOURCE, SB#IM.PHASUM8.SOURCE
- SB#IM.PHASUM7.SOURCE, SB#IM.IMP6DPS.SOURCE
- SB#IM.ANALIMP8.SOURCE, SB#IM.UTILITY.SOURCE
- SB#IM.READCT.FORT, SB#IM.PSEUDO.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (TIMSUM8)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 111, source is 95% confidence, current build from linkgo in SB#IM.OLDLIB.CNTL(TIMSUM8), then run SB#IM.PSEUDO.CNTL(TIMSUM8B)	NONE

### Backup Verification

- SB#IM.TIMSUM8.SOURCE (HSM: 88/03/23)
- SB#IM.Z.TIMSUM8.SOURCE.V0183035 (LIBMAN)

- SB#IM.Z.TIMSUM8.SOURCE.V0183035 (TAPE IMPBK1, FILE 101)
- SB#IM.PHASUM8.SOURCE (no HSM)
- SB#IM.Z.PHASUM8.SOURCE.V0284055 (LIBMAN)
- SB#IM.Z.PHASUM8.SOURCE.V0284055 (TAPE IMPBK3, FILE 49)
- SB#IM.PHASUM7.SOURCE (HSM: 87/11/05)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.PHASUM7.SOURCE.V0183035 (TAPE IMPBK1, FILE 235)
- SB#IM.IMP6DPS.SOURCE (HSM: 84/05/11)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (LIBMAN)
- SB#IM.Z.IMP6DPS.SOURCE.V0183039 (TAPE IMPBK1, FILE 41)
- SB#IM.ANALIMP8.SOURCE (HSM: 87/12/16)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (LIBMAN)
- SB#IM.Z.ANALIMP8.SOURCE.V0284096 (TAPE IMPBK3, FILE 60)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)
- SB#IM.READCT.FORT (HSM: 85/12/24)
- SB#IM.Z.READCT.FORT.V0286044 (LIBMAN)
- SB#IM.Z.READCT.FORT.V0286044 (TAPE IMPBK1, FILE 117)
- SB#IM.PSEUDO.CNTL (HSM: 88/04/26)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (LIBMAN)
- SB#IM.Z.PSEUDO.CNTL.V0385325 (TAPE IMPBK1, FILE 111)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB W

# Program Name: SECTOR DISPLAY (for IMP-I)

Function: This program produces polar histograms for all sectored rates , rate plots and prints the data corresponding to the plots.

## *Datasets*

### Source Dataset(s)

- SB#IM.ANSTRPY6.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANSTRPY6)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 70, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL (ANSTRPY6)	NONE

### Backup Verification

- SB#IM.ANSTRPY6.SOURCE (no HSM)
- SB#IM.Z.ANSTRPY6.SOURCE.V0183049 (LIBMAN)
- SB#IM.Z.ANSTRPY6.SOURCE.V0183049 (TAPE IMPBK1, FILE 307)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

# *Program Documentation*

Document  
-----

Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10, 11, 28, 32, 52  
Author: P. Schuster  
Location: room 261, Building 1  
Last Revised:  
Pages:

User's Guide  
-----

IMP-6/7/8  
(loose leaf  
note book)

loose TAB J

# Program Name: SECTOR DISPLAY (for IMP-H)

Function: This program produces polar histograms for all sectored rates , rate plots and prints the data corresponding to the plots.

## *Datasets*

### Source Dataset(s)

- SB#IM.ANSTRPY7.SOURCE, SB#IM.ANALIMP7.SOURCE
- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANSTRPY7)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 70, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(ANSTRPY7)	NONE

### Backup Verification

- SB#IM.ANSTRPY7.SOURCE (no HSM)
- SB#IM.Z.ANSTRPY7.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.ANSTRPY7.SOURCE.V0183035 (TAPE IMPBK1, FILE 94)
- SB#IM.ANALIMP7.SOURCE (HSM: 87/09/08)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (LIBMAN)



- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (TAPE IMPBK3, FILE 141)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name: IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10, 11, 28, 32, 52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB M'

# Program Name: SECTOR DISPLAY (for IMP-J)

Function: This program produces polar histograms for all sectored rates , rate plots and prints the data corresponding to the plots.

## *Datasets*

### Source Dataset(s)

- SB#IM.ANSTRPY8.SOURCE, SB#IM.ANSTRPY7.SOURCE
- SB#IM.ANALIMP7.SOURCE, SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.LIB.CNTL (ANSTRPY8)	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
construct build from IMP Programming Systems Overview on page 70, source not verified, current build from linkgo in SB#IM.OLDLIB.CNTL(ANSTRPY8)	NONE

### Backup Verification

- SB#IM.ANSTRPY8.SOURCE (no HSM)
- SB#IM.Z.ANSTRPY8.SOURCE.V0183035 (LIBMAN)
- SB#IM.Z.ANSTRPY8.SOURCE.V)183035 (TAPE IMPBK1, FILE 95)
- SB#IM.ANSTRPY7.SOURCE (no HSM)
- SB#IM.Z.ANSTRPY7.SOURCE.V0183035 (LIBMAN)

- SB#IM.Z.ANSTRPY7.SOURCE.V0183035 (TAPE IMPBK1, FILE 94)
- SB#IM.ANALIMP7.SOURCE (HSM: 87/09/08)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (LIBMAN)
- SB#IM.Z.ANALIMP7.SOURCE.V0288061 (TAPE IMPBK3, FILE 141)
- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document -----	User's Guide -----
Name:IMP Programming Systems Overview for the Cosmic Ray and Solar Electron Experiments 10,11,28,32,52	IMP-6/7/8 (loose leaf note book)
Author: P. Schuster	
Location: room 261, Building 1	
Last Revised:	
Pages:	loose TAB Mc'

# Program Name: DUMP PROGRAMS

Function: These programs dump the date records information from CNTS, LOWG, ENCY, FLUX, FLEX, PHAS and SMCT tapes.

## *Datasets*

### Source Dataset(s)

- SB#IM.TAPEDMPS.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
SB#IM.TAPEDMPS.SOURCE	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
SB#IM.TAPEDMPS.SOURCE	NONE

### Backup Verification

- SB#IM.TAPEDMPS.SOURCE (HSM: 87/09/17)
- SB#IM.Z.TAPEDMPS.SOURCE.V0283097 (LIBMAN)
- SB#IM.Z.TAPEDMPS.SOURCE.V0283097 (TAPE IMPBK1, FILE 320)

## *Program Documentation*

Document

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User's Guide

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Name:IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

# Program Name: GENERAL SUBROUTINES AND UTILITIES

Function: These programs performs utility and generalized functions for all IMP systems.

## *Datasets*

### Source Dataset(s)

- SB#IM.UTILITY.SOURCE

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
not sure	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
not sure	NONE

### Backup Verification

- SB#IM.UTILITY.SOURCE (HSM: 88/01/15)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (LIBMAN)
- SB#IM.Z.UTILITY.SOURCE.V0683322 (TAPE IMPBK1, FILE 340)

## *Program Documentation*

Document

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User's Guide

-----

Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

# Program Name: GAIN TABLE AND FINEGAIN TABLES PROGRAMS

Function: These programs are designed to access the gain and finegain tables.

## *Datasets*

### Source Dataset(s)

- SB#IM.FINEGAIN.CNTL

### Library Dataset(s)

- FTIO package

### Run Dataset(s)

JCL	CLIST
---	-----
NONE	NONE

### Compile and Link Datasets

JCL	CLIST
---	-----
NONE	NONE

### Backup Verification

- SB#IM.FINEGAIN.CNTL (HSM: 88/04/29)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (LIBMAN)
- SB#IM.Z.FINEGAIN.CNTL.V0287223 (TAPE IMPBK3, FILE 127)

## *Program Documentation*



Document

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Name: IMP Programming Systems Overview for the  
Cosmic Ray and Solar Electron Experiments  
10,11,28,32,52

Author: P. Schuster

Location: room 261, Building 1

Last Revised:

Pages:

User's Guide

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IMP gain factor  
determination &  
finegain table updates

K. Wortman

room 261, Building 1

DSMSSU588W NO APF FOUND FOR 'IMP' TAG.

DSMMOM395I 'TEXT' LINE 58: Name:IMP Programming Systems Overview for the IMP-6/7/8  
DSMSSU588W NO APF FOUND FOR 'IMP' TAG.

DSMMOM395I 'TEXT' LINE 114: Name:IMP Programming Systems Overview for the IMP-6/7/8  
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DSMMOM397I '.DSM#M01' WAS IMBEDDED AT LINE 40 OF '.DSM#MSG'

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DSMMOM397I '.DSM#RSET' WAS IMBEDDED AT LINE 60 OF '.DSMHEAD1'

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+++DSMGML003W Example prematurely ended by Heading-1 tag. (Page 63)

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ctor

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DSMMOM397I '.DSM#M01' WAS IMBEDDED AT LINE 40 OF '.DSM#MSG'

DSMMOM397I '.DSM#MSG' WAS IMBEDDED AT LINE 210 OF '.DSM#RSET'

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