TAPE COSRY1 FOR TAPE FROM PDP 11/70 ENE
24 - FEB - 88

Directory MM1:
24-FEB-88 12:07

[200,105]

FILE.FTN	;1	1.	24-FEB-88 00:00
LOGIC.FTN	;1	1.	24-FEB-88 00:00
ION.FTN	;1	3.	24-FEB-88 00:00
GEOM.FTN	;1	7.	24-FEB-88 00:00
PAPER.FTN	;1	2.	24-FEB-88 00:00
CCONV.FTN	;1	2.	24-FEB-88 00:00
FSAVE.FTN	;1	8.	24-FEB-88 00:00
DIP.FTN	;1	1.	24-FEB-88 00:00
STASS.FTN	;1	5.	24-FEB-88 00:00
LOGPR.FTN	;1	12.	24-FEB-88 00:00
Z.FTN	;1	1.	24-FEB-88 00:00
HETCOM.FTN	;2	1.	24-FEB-88 00:00
DEPOS.FTN	;1	3.	24-FEB-88 00:00
FINDR.FTN	;1	4.	24-FEB-88 00:00
GETTOK.FTN	;24	8.	24-FEB-88 00:00
GENER.FTN	;17	10.	24-FEB-88 00:00
PARSE.FTN	;27	12.	24-FEB-88 00:00
RAT.FTN	;6	2.	24-FEB-88 00:00
FFT.FTN	;33	6.	24-FEB-88 00:00
NEWFIL.FTN	;32	9.	24-FEB-88 00:00
PRINT.FTN	;25	5.	24-FEB-88 00:00
CINIT.FTN	;5	3.	24-FEB-88 00:00
SCAN.FTN	;73	23.	24-FEB-88 00:00
TESTL.FTN	;5	20.	24-FEB-88 00:00
LOADNE.FTN	;14	9.	24-FEB-88 00:00
IOSYS.FTN	;22	12.	24-FEB-88 00:00
COMPOS.FTN	;11	6.	24-FEB-88 00:00
FIX.FTN	;4	5.	24-FEB-88 00:00
RECUR.FTN	;14	9.	24-FEB-88 00:00
NEWPAN.FTN	;35	7.	24-FEB-88 00:00
FFT1.FTN	;10	4.	24-FEB-88 00:00
LEMT.FTN	;40	14.	24-FEB-88 00:00
FLCMD.FTN	;5	1.	24-FEB-88 00:00
ICSAVE.FTN	;5	13.	24-FEB-88 00:00
BIGIC.FTN	;7	14.	24-FEB-88 00:00
READEL.FTN	;26	8.	24-FEB-88 00:00
DDATE.FTN	;6	3.	24-FEB-88 00:00
CMDVG.FTN	;5	3.	24-FEB-88 00:00
BOX.FTN	;3	4.	24-FEB-88 00:00
REPLOT.FTN	;26	8.	24-FEB-88 00:00
DRAW4.FTN	;24	10.	24-FEB-88 00:00
TEST.FTN	;26	16.	24-FEB-88 00:00
COMAND.FTN	;46	12.	24-FEB-88 00:00
TIMPLT.FTN	;10	3.	24-FEB-88 00:00
FLXCOM.FTN	;21	2.	24-FEB-88 00:00
DRAW3.FTN	;34	9.	24-FEB-88 00:00
TIMIN.FTN	;4	4.	24-FEB-88 00:00
PINIT.FTN	;32	4.	24-FEB-88 00:00
TOKEN.FTN	;23	6.	24-FEB-88 00:00
DRAWEL.FTN	;20	8.	24-FEB-88 00:00
SCALE.FTN	;36	12.	24-FEB-88 00:00
OTHER.FTN	;14	6.	24-FEB-88 00:00
ESCALE.FTN	;7	3.	24-FEB-88 00:00
TSCALE.FTN	;13	9.	24-FEB-88 00:00
BUFR.FTN	;6	1.	24-FEB-88 00:00
TSURCH.FTN	;5	2.	24-FEB-88 00:00
SCANT.FTN	;24	30.	24-FEB-88 00:00

DEVICE MSA0:

MOUNT/OVER=OWNER MSA0: COSRY1

	DRAWCO.FTN	;26	8.	24-FEB-88 00:00
	CRAM.FTN	;12	9.	24-FEB-88 00:00
	STRIP.FTN	;45	32.	24-FEB-88 00:00
[200,210]	POLFIT.FTN	;2	3.	24-FEB-88 00:00
	TABLE.FTN	;2	10.	24-FEB-88 00:00
	TESTA.FTN	;13	15.	24-FEB-88 00:00
DK1:[200,122]	CHANF.FTN	;3	1.	24-FEB-88 00:00
	VRTABLE.FTN	;1	11.	24-FEB-88 00:00
	VRTESTA.FTN	;1	19.	24-FEB-88 00:00
	DICMACRO.MAC	;3	2.	24-FEB-88 00:00
RD1:[200,210]	TCOPY.MAC	;1	4.	24-FEB-88 00:00
	TOPOWER.MAC	;1	1.	24-FEB-88 00:00
	TCTEST.MAC	;1	2.	24-FEB-88 00:00
	EXPAR.MAC	;1	6.	24-FEB-88 00:00
	DMPGEN.MAC	;1	4.	24-FEB-88 00:00
	TOPOWR.MAC	;1	1.	24-FEB-88 00:00
	PRFILE.MAC	;1	4.	24-FEB-88 00:00
	TERMIN.MAC	;6	6.	24-FEB-88 00:00
	SCAN.MAC	;1	6.	24-FEB-88 00:00
	NEWSCAN.MAC	;5	47.	24-FEB-88 00:00
	NUMRIC.MAC	;7	7.	24-FEB-88 00:00
	BASCII.MAC	;1	3.	24-FEB-88 00:00
	END.MAC	;1	1.	24-FEB-88 00:00
	NEWVOCAB.MAC	;1	13.	24-FEB-88 00:00
	SCANERROR.MAC	;3	6.	24-FEB-88 00:00
	ALPNUM.MAC	;12	8.	24-FEB-88 00:00
	SCANNER.MAC	;10	21.	24-FEB-88 00:00
	OPEN.MAC	;1	2.	24-FEB-88 00:00
	PLOTC.MAC	;1	2.	24-FEB-88 00:00
	CHECK.MAC	;1	1.	24-FEB-88 00:00
	XYPOSN.MAC	;1	2.	24-FEB-88 00:00
	GET.MAC	;1	3.	24-FEB-88 00:00
	MCALL.MAC	;1	1.	24-FEB-88 00:00
	RPROC.MAC	;1	1.	24-FEB-88 00:00
	RECORD.MAC	;1	2.	24-FEB-88 00:00
	LPDUMP.MAC	;1	2.	24-FEB-88 00:00
	HEADER.MAC	;1	1.	24-FEB-88 00:00
	TRAIL.MAC	;1	1.	24-FEB-88 00:00
	HSCALE.MAC	;1	1.	24-FEB-88 00:00
	DSPTR.MAC	;1	2.	24-FEB-88 00:00
	GRQ.MAC	;1	1.	24-FEB-88 00:00
	NEWTEST.MAC	;1	1.	24-FEB-88 00:00
	PRDUM.MAC	;1	1.	24-FEB-88 00:00
	NEWTRAIL.MAC	;1	1.	24-FEB-88 00:00
	ADDTOP.MAC	;2	1.	24-FEB-88 00:00
	NEWGRQ.MAC	;2	1.	24-FEB-88 00:00
	EVENT.MAC	;3	6.	24-FEB-88 00:00
	PRFIL.MAC	;12	5.	24-FEB-88 00:00
	VOCABMAC.MAC	;2	4.	24-FEB-88 00:00
	UNPACK.MAC	;2	2.	24-FEB-88 00:00
	SAVE.MAC	;2	2.	24-FEB-88 00:00
	GLOBAL.MAC	;2	1.	24-FEB-88 00:00
	DICGEN.MAC	;2	4.	24-FEB-88 00:00
UF:[200,105]	FORRAT.CMD	;11	1.	24-FEB-88 00:00
	TEST.CMD	;2	1.	24-FEB-88 00:00
	BIGIC.CMD	;2	1.	24-FEB-88 00:00
	RECUR.CMD	;2	1.	24-FEB-88 00:00
	FIX.CMD	;2	1.	24-FEB-88 00:00
	LEMT.CMD	;3	1.	24-FEB-88 00:00
	COMPOS.CMD	;2	1.	24-FEB-88 00:00

TABLE.FTN
TESTA.FTN

	TIMPLT.CMD	;17	1.	24-FEB-88 00:00	
	FOR2.CMD	;1	1.	24-FEB-88 00:00	
	SCAN.CMD	;3	1.	24-FEB-88 00:00	
	FOR1.CMD	;1	1.	24-FEB-88 00:00	
	FOR3.CMD	;1	1.	24-FEB-88 00:00	
	FORLOG.CMD	;1	1.	24-FEB-88 00:00	
	LOGPR.CMD	;1	1.	24-FEB-88 00:00	
	FOROTH.CMD	;1	1.	24-FEB-88 00:00	
	TEMP.CMD	;1	1.	24-FEB-88 00:00	
	ICSAVE.CMD	;4	1.	24-FEB-88 00:00	
	SCANT.CMD	;6	1.	24-FEB-88 00:00	
	TESTA.CMD	;1	1.	24-FEB-88 00:00	
	FORTIM.CMD	;21	1.	24-FEB-88 00:00	
	FFTIM.CMD	;3	1.	24-FEB-88 00:00	
	STRIP.CMD	;2	1.	24-FEB-88 00:00	
	NEWTIM.CMD	;5	1.	24-FEB-88 00:00	
	FTESTL.CMD	;1	1.	24-FEB-88 00:00	
RD1:[200,210]	LALSCAN.CMD	;1	1.	24-FEB-88 00:00	SCAN.CMD
	TCOPY.CMD	;2	1.	24-FEB-88 00:00	
	VGTEST.CMD	;6	1.	24-FEB-88 00:00	
	VOCAB.CMD	;2	1.	24-FEB-88 00:00	
DB0:[200,122]	FORTEST.CMD	;5	1.	24-FEB-88 00:00	
DU0:[200,105]	TIMPLT.ODL	;5	1.	24-FEB-88 00:00	
DU0:[200,105]	TAPE4.DIR	;1	2.	24-FEB-88 00:00	
	TAPE10.DIR	;1	11.	24-FEB-88 00:00	
	TAPE8.DIR	;1	17.	24-FEB-88 00:00	
	TAPE7.DIR	;1	11.	24-FEB-88 00:00	
	TAPE11.DIR	;1	19.	24-FEB-88 00:00	
	TAPE13.DIR	;1	2.	24-FEB-88 00:00	
	TAPE.DIR	;5	2.	24-FEB-88 00:00	
	TAPE6.DIR	;1	17.	24-FEB-88 00:00	
	TAPE12.DIR	;1	4.	24-FEB-88 00:00	
	TAPE9.DIR	;1	11.	24-FEB-88 00:00	
RD1:[200,210]	LALTAPE.DIR	;1	15.	24-FEB-88 00:00	TAPE.DIR

Total of 848./848. blocks in 151. files

3/14/88

Bob's files not copied to tape from PDP 11/70

DU$:
ASC
CHN
CMD
DAT
FLM
FOR.
LST
MAP
OBJ
TMP
TRJ
TSK
VLT

DB$:
BTB
CMD
CHN
DAT
FLM
DOC
FLB
FLC
HLP
IS
LBL
LST
MAC
MSG
PHA
SPC
TAB
TEK
TMP
TRJ

RD1:
BIN
CHN
CMD
DAT
DFR
DOC
FLM
FOR.
IBL
OBJ
REN
UMD
RMN

211 4

Directory MS0: BCABDUP Contents of P/P 1 tape from PDP 11/70
-MAR-88 11:31

Dup:
- FTN
- BIS
- DDL
- ULB
- UMD

RENR3.FTN	;12	19.	04-MAR-88 00:00
P[illegible]T1.FTN	;1	3.	04-MAR-88 00:00
[illegible]TA.FTN	;1	2.	04-MAR-88 00:00
TL[illegible]T.FTN	;1	18.	04-MAR-88 00:00
VERSE.FTN	;1	18.	04-MAR-88 00:00
APEIN.FTN	;2	4.	04-MAR-88 00:00
MPFLX.FTN	;1	28.	04-MAR-88 00:00
MPRAT.FTN	;1	19.	04-MAR-88 00:00
MPANL.FTN	;1	18.	04-MAR-88 00:00
SAVE2.FTN	;2	19.	04-MAR-88 00:00
OURER.FTN	;1	22.	04-MAR-88 00:00
PFORV.FTN	;1	10.	04-MAR-88 00:00
PFOL7.FTN	;1	16.	04-MAR-88 00:00
PFOL8.FTN	;1	16.	04-MAR-88 00:00
PFOH7.FTN	;1	17.	04-MAR-88 00:00
PFOH8.FTN	;1	15.	04-MAR-88 00:00
NGENG.FTN	;1	47.	04-MAR-88 00:00
NGPRT.FTN	;1	35.	04-MAR-88 00:00
PFOVC.FTN	;1	15.	04-MAR-88 00:00
NGENA.FTN	;1	62.	04-MAR-88 00:00
NGPRA.FTN	;1	35.	04-MAR-88 00:00
ETLOD.FTN	;1	14.	04-MAR-88 00:00
INEAR.FTN	;1	2.	04-MAR-88 00:00
EVISE.FTN	;1	11.	04-MAR-88 00:00
INTAB.FTN	;1	8.	04-MAR-88 00:00
ATRIX.FTN	;1	4.	04-MAR-88 00:00
TRIP1.FTN	;54	26.	04-MAR-88 00:00 - RENAMED FROM STRIP FTN;54
PLOTM.FTN	;1	5.	04-MAR-88 00:00
P[illegible]TN.FTN	;1	3.	04-MAR-88 00:00
P[illegible]TQ.FTN	;1	5.	04-MAR-88 00:00
PLOT2.FTN	;1	11.	04-MAR-88 00:00
PLOT3.FTN	;1	4.	04-MAR-88 00:00
PLOT4.FTN	;1	4.	04-MAR-88 00:00
PLOT5.FTN	;1	4.	04-MAR-88 00:00
PLOT6.FTN	;1	3.	04-MAR-88 00:00
PLOT7.FTN	;1	11.	04-MAR-88 00:00
PLOT8.FTN	;1	4.	04-MAR-88 00:00
IT.FTN	;1	5.	04-MAR-88 00:00
RANSF.FTN	;1	4.	04-MAR-88 00:00
ESFIT.FTN	;1	4.	04-MAR-88 00:00
TRIPA.FTN	;36	32.	04-MAR-88 00:00
IMPLT.FTN	;1	8.	04-MAR-88 00:00
LXFR4.FTN	;60	19.	04-MAR-88 00:00
CAPFL.FTN	;12	4.	04-MAR-88 00:00
CATSN.FTN	;13	18.	04-MAR-88 00:00
PTEXT.FTN	;5	4.	04-MAR-88 00:00
FTEXT.FTN	;10	6.	04-MAR-88 00:00
SFLIN.FTN	;25	12.	04-MAR-88 00:00
REAM.FTN	;4	8.	04-MAR-88 00:00
SURC2.FTN	;15	2.	04-MAR-88 00:00
IMEC.FTN	;16	7.	04-MAR-88 00:00
IXBLK.FTN	;13	4.	04-MAR-88 00:00
TATIN.FTN	;33	15.	04-MAR-88 00:00
XBLK3.FTN	;4	7.	04-MAR-88 00:00
XBLK2.FTN	;22	7.	04-MAR-88 00:00
U[illegible].FTN	;2	1.	04-MAR-88 00:00
L[illegible].FTN	;1	1.	04-MAR-88 00:00
LX[illegible]OM.FTN	;1	2.	04-MAR-88 00:00
TRIP.FTN	;55	26.	04-MAR-88 00:00
LXTST.FTN	;2	11.	04-MAR-88 00:00
CALMN.FTN	;41	11.	04-MAR-88 00:00
TRIPAT1.FTN	;1	26.	04-MAR-88 00:00 - REN FROM STRIPAT FTN;7
LXWRTO.FTN	;1	30.	04-MAR-88 00:00

3/7

Directory MS0:
5-MAR-88 11:44

ICDTAB1.FTN	;1	0.	05-MAR-88 00:00
TEMPLT.FTN	;11	3.	05-MAR-88 00:00
[illegible]FR4.FTN	;45	17.	05-MAR-88 00:00
[illegible]RIP.FTN	;50	26.	05-MAR-88 00:00
STRIPA.FTN	;35	32.	05-MAR-88 00:00
SPECTR.FTN	;1	11.	05-MAR-88 00:00
ZBEGIN.FTN	;1	12.	05-MAR-88 00:00
ZPROC.FTN	;1	8.	05-MAR-88 00:00
RCON.FTN	;1	10.	05-MAR-88 00:00
SPEC2.FTN	;1	43.	05-MAR-88 00:00
HISTO3.FTN	;1	20.	05-MAR-88 00:00
HISTO.FTN	;1	9.	05-MAR-88 00:00
ZIDENT.FTN	;2	45.	05-MAR-88 00:00
THREEP.FTN	;7	34.	05-MAR-88 00:00
SCALMN.FTN	;15	9.	05-MAR-88 00:00
FLXMAN.FTN	;46	10.	05-MAR-88 00:00
STEST.FTN	;1	46.	05-MAR-88 00:00
LIBSRD.BIS	;3	1.	05-MAR-88 00:00
SPEC20SP.BIS	;1	1.	05-MAR-88 00:00
SPECI683.BIS	;1	1.	05-MAR-88 00:00
SPEC20AV.BIS	;1	1.	05-MAR-88 00:00
SCATER.BIS	;4	1.	05-MAR-88 00:00
THREEP.BIS	;2	1.	05-MAR-88 00:00
SPECTR.BIS	;2	1.	05-MAR-88 00:00
SCATMP.BIS	;2	1.	05-MAR-88 00:00
SPPLOT.BIS	;3	2.	05-MAR-88 00:00
SPPLO2.BIS	;4	1.	05-MAR-88 00:00
FLXFIT.ODL	;3	1.	05-MAR-88 00:00
[illegible]ECTR.ODL	;1	1.	05-MAR-88 00:00
[illegible]XMAN.ODL	;22	1.	05-MAR-88 00:00
[illegible]LXWRN.ODL	;7	1.	05-MAR-88 00:00
SPPLOT.ODL	;1	1.	05-MAR-88 00:00
SPPLO2.ODL	;1	1.	05-MAR-88 00:00
SPPLOT.ULB	;1	126.	05-MAR-88 00:00
SPPLOT.UMD	;15	10.	05-MAR-88 00:00

Total of 488./488. blocks in 35. files

DBϕ: FTN

BIS

ODL

ULB

UMD

Directory MS0: PIP LISTING OF TAPE BOBRD1 , PIP /GL from RD1: 11/7C
5-MAR-88 11:40

ICDTAB1.FTN	;1	14.	05-MAR-88 00:00 - RENAMED FROM ICDTAB.FTN;35
SVERSE.FTN	;111	18.	05-MAR-88 00:00
TST.FTN	;62	8.	05-MAR-88 00:00
READ.FTN	;26	8.	05-MAR-88 00:00
ICDTAB.FTN	;36	14.	05-MAR-88 00:00
DFWRIT.FTN	;13	4.	05-MAR-88 00:00
LABROB.FTN	;13	3.	05-MAR-88 00:00
DFWRT2.FTN	;40	12.	05-MAR-88 00:00
SCATER.FTN	;17	20.	05-MAR-88 00:00
RPTEXT.FTN	;27	10.	05-MAR-88 00:00
SCALMN.FTN	;24	9.	05-MAR-88 00:00
SCAFTS.FTN	;12	8.	05-MAR-88 00:00
FLXFSS.BIS	;1	1.	05-MAR-88 00:00
NEWTSS.BIS	;1	2.	05-MAR-88 00:00
FLXWSS.ODL	;1	1.	05-MAR-88 00:00

Total of 132./132. blocks in 15. files

RD1: FTN

BIS

ODL

Space on microvax

get to run Fourier

ICEFOR.CNTL
~~FOUR~~
4srem.IMPFOR.CNTL
HEL4.CNTL

Doris files (Fred?) may be .FLIN type (called .FLX ?)

did Bob get Henry's mail

PCRate tape ready

#IMPFRIM
lines 37 → sample set
HIMPFR18
QMAGNT=F
remove 'MAG' from FPARMS
remove &MAGNT
&IMP ZMAG= segment

FOUR8 JCL
try SB#IM.LIB.CNTL Fourier for JCL

use this [See HILARY1 member ~~change~~ dates NOV 22 77 - NOV 24] ½ h interec 1800

REMDD1

Nov 22 1977 Nov 24

SCIENCE • APPLICATIONS • RESEARCH

3/24/88

Pam Schuster

Swami -

Bob added two more programs to list of microvax programs to get working:

FOURIER reads in tapes made by Jenny Jokes Fourier program

TPFORH8 reads in IMP-8 MATR tape LED high gain data

Also, I am (at least temporarily) picking up IMP/ISEE GCR study because of a PMO request for IMP-8 data (26 day average). That project is a proverbial can of worms. I have to decide whether to follow the 11/70 (→ microvax) method of getting to the AT to make plots, or to try to utilize the existing 3081 plot facilities which may require more programming too.

Assign/NOLOG BOBTEST1.SPR FOR006

→ tape library migration to cartridges

run spectr

→

VLET ff+ff

→

TDSK 3HE Test on VAX

→ ↵

→

VAXVLT.VLT

→

01 03

→

F →

→

1972 262 263 00000047

→

TTTTT

→

F

→

02 02

→

T ~~Test3HE.FLM~~ T3HE.FLM

→ ↵

→

1 .1 (enter 2 tol for matrices and delta

→

T

→

TDSK →↵

→

STOP

PRINT/Set-Wid BOBTEST.SPR

Run FLXWRN
menu:

Labmanoption
Run FLXMAN
→ 6
→
Test11.FLM
→
1

→
1
→
01 T Test11.FLM T → use old path

CONT at mount

then cycles thru any other FLM files:

→
__ Test12.FLM T

→
-1 stop prompt ends

call NSSDCA or call NSSDC

username = SPAN

pswd = pegasus

span node = LHEAVX

Bob ran Spectr on VAX
Test11B.FLM
again, 2nd 12 hr period
plus ds were different from
11/70, but STRIP listing
agreed with SPECTR listing

look for SPECTR inconsistency
Bob ran test11C SPECTR
262 12 – 263 using
000007 option

We went to 11/70 to do these
same tests

Test11B on 11/70 (Bobs id)
012006T
Test11C on 11/70 (Bobs
000000T

3rd test test11D Single 12hr starting
262 12 012006T

pblm was in RIDENT reinitialization of ITOTC array
we rebuilt spectr load module on 11/70 & will retest
012006T with 262-263

1/23/88

Programs to transfer to Microvax from 2/9/88 meeting / work session

① Make the TPFORV.FTN subprogram into a stand alone program
- Subroutine → PROGRAM
- Return → STOP

makes .VLT file from Vhet PHA Summary Pgm

② SPECTR
takes .VLT files as input
makes .SPQ files as output
.FLM

③ BINTAB
SPQ file as input
refines SPECTR calculations if needed

④ ?
program name which Bob hasn't found which converts .SPQ files to .FLM files

⑤ FLXWRT
writes .FLM files to tape
(can be read into PC)

FLXWRN ← 2 versions ① utilizes Lal routines - fast 11/70 specific
② no Lal - slower

TPFORV explicitly
NU, LR, IOST, IS, ID1

SPECTR ok
ZIDENT

RCON.FTN
IRECL

SPECTR
→ VLET FTTPF2 (2 indicates he, OK only
→ TSK Test of full debug pc
→ CR
→ VAXTST.VLT
→ 2 8
→ F
→ 1977 262 1977 263 012006 T → 12 hr avgs → 6 records
(here get 9 records on orig tape messages
→ TFFT
→ F
→ 02 08
→ T Test11.FLM
→ 18 PROLAB.FLB
→ T
get NOW working on 2/8
" " " 8
writes out times for next 12 hour avg } etc
reads records of data
Now working on 2/8
" " " 8
→ STOP

run flxman DU0

listing FLM output

3

2

TF Test11.FLM

0

0

-1

0

STOP

Run Spectr a different way

VLET FTTFF2

TDSK full print test12

VAXTST1.VLT

2 8

F

1977 262 000 1977 262 12 00 000000T

(9 records on any vlet tape file

BACKSPACE 2

2 BACKSPACED

(Enter time request again)

-1

new

TFFT

2 8

F Test12.FLM

18PROLAB.FLB (CR defaults to this)

T

Enter next task

ST

STOP

run flxman to list TEST12.FLM

STRIP, TSURC2, TIMEC, Z

---

assign # SYS$OUTPUT FOR 006

TPFOH8.FTN make TIMSUM wah LED only for same time as VLET

Move FLXWRT & determine coding changes

STRIP

---

find out where VG functionality is on VAX

TestVL.VLT ← test Vlet data
makes ←
~~TAPE6~~ TPFORV (FTN program processing)
takes Vlet summary tape + makes 1/2 disk dataset

Return → Stop
Subroutine → Program } Make it a Stand alone program again

RunSPECTR

Vlet Summary counts
VLTC count tape
~~TAPE8~~ ~~tape~~ LONG tape LED long
17LD
18LH mato tape LED high
17LH

(possibly want to convert these routines too)

→ VLET FTTFFF default default

→ TDSK TEST

→ ON2

→ TestVL.VLT

→ 06 08 (carb - oxy)

→ F (histograms)

→ 1982 001 00 001 1984 001 00 00 002 2k
0 - - - - will do whole file — EOT

processing begins

Enter /next, new/
→ NEW (⇒ go on to do Spectrum)

→ TFFTF

→ F (not doing histograms)

→ 06 08 F

→ T TESTVL.FLM ⇐ SPO prefix into SPPLOT

→ ON2 → must (came prompt because of .FLM spec above)
associate model then label like these.

→ ST (ID, CN, ST)

pgm prints out result & Stops

FOR08.DAT output file (or named one VAXTST.SPR)

SPECTA.DAT Scratch file

~~Run FLXMAN~~

$CREM.LIB.CNTL(VLET) jcl for making

E0591 IBM 262-266 2 Mongo

B0/331

Run TAPEIN

→ 6

→ VAXTST 1600 makes VAXTST.ULT

CONT

0001002 stage 12 for test

0 (stop processing)

RUN SPECTR

~~FOR01 = VAXTST.FLMEN~~

Run FLXMAN

→ 3

→ TF VAXTST.FLM

→ 0

→ -20

→ -1

→ 0 Stop pgm

31 0
28
31
30
31
30
31
31
213
19
262

PAM

Directory MS0: PIP LISTING OF TAPE BOBRD1 , PIP TAR from PDP 11/70
5-MAR-88 11:40

ICDTAB1.FTN	;1	14.	05-MAR-88 00:00	- RENAMED FROM ICDTAB.FTN;35
SVERSE.FTN	;111	18.	05-MAR-88 00:00	
RTTST.FTN	;62	8.	05-MAR-88 00:00	
DFREAD.FTN	;26	8.	05-MAR-88 00:00	
ICDTAB.FTN	;36	14.	05-MAR-88 00:00	
DFWRIT.FTN	;13	4.	05-MAR-88 00:00	
LABROB.FTN	;13	3.	05-MAR-88 00:00	
DFWRT2.FTN	;40	12.	05-MAR-88 00:00	
SCATER.FTN	;17	20.	05-MAR-88 00:00	
RPTEXT.FTN	;27	10.	05-MAR-88 00:00	
SCALMN.FTN	;24	9.	05-MAR-88 00:00	
SCAFTS.FTN	;12	8.	05-MAR-88 00:00	
FLXFSS.BIS	;1	1.	05-MAR-88 00:00	
NEWTSS.BIS	;1	2.	05-MAR-88 00:00	
FLXWSS.ODL	;1	1.	05-MAR-88 00:00	

Total of 132./132. blocks in 15. files

```
 ** RD1:[200,102] 5-MAR-88  11:54
BOBRFTN.LIS=RD1:[200,102]*.FTN
  DFREAD    .FTN;26
  DFWRIT    .FTN;13
  DFWRT2    .FTN;40
  ICDTAB    .FTN;36
  ICDTAB1   .FTN;1
  LABROB    .FTN;13
  RPTEXT    .FTN;27
  RTTST     .FTN;62
  SCAFTS    .FTN;12
  SCALMN    .FTN;24
  SCATER    .FTN;17
  SVERSE    .FTN;111
    12. Files selected        181. Files total
```

```
 ** RD1:[200,102] 5-MAR-88  11:54
BOBRBIS.LIS=RD1:[200,102]*.BIS
  FLXFSS    .BIS;1
  NEWTSS    .BIS;1
     2. Files selected        181. Files total
```

```
 ** RD1:[200,102] 5-MAR-88  11:55
BOBRODL.LIS=RD1:[200,102]*.ODL
  FLXWSS    .ODL;1
     1. Files selected        181. Files total
```

PAM

Directory MS0: Dir of contents of Tape BOBBJ from PDP 11/70
5-MAR-88 11:44

ICDTAB1.FTN	;1	0.	05-MAR-88 00:00
TIMPLT.FTN	;11	3.	05-MAR-88 00:00
FLXFR4.FTN	;45	17.	05-MAR-88 00:00
STRIP.FTN	;50	26.	05-MAR-88 00:00
STRIPA.FTN	;35	32.	05-MAR-88 00:00
SPECTR.FTN	;1	11.	05-MAR-88 00:00
ZBEGIN.FTN	;1	12.	05-MAR-88 00:00
ZPROC.FTN	;1	8.	05-MAR-88 00:00
RCON.FTN	;1	10.	05-MAR-88 00:00
SPEC2.FTN	;1	43.	05-MAR-88 00:00
HISTO3.FTN	;1	20.	05-MAR-88 00:00
HISTO.FTN	;1	9.	05-MAR-88 00:00
ZIDENT.FTN	;2	45.	05-MAR-88 00:00
THREEP.FTN	;7	34.	05-MAR-88 00:00
SCALMN.FTN	;15	9.	05-MAR-88 00:00
FLXMAN.FTN	;46	10.	05-MAR-88 00:00
STEST.FTN	;1	46.	05-MAR-88 00:00
LIBSRD.BIS	;3	1.	05-MAR-88 00:00
SPEC20SP.BIS	;1	1.	05-MAR-88 00:00
SPECI683.BIS	;1	1.	05-MAR-88 00:00
SPEC20AV.BIS	;1	1.	05-MAR-88 00:00
SCATER.BIS	;4	1.	05-MAR-88 00:00
THREEP.BIS	;2	1.	05-MAR-88 00:00
SPECTR.BIS	;2	1.	05-MAR-88 00:00
SCATMP.BIS	;2	1.	05-MAR-88 00:00
SPPLOT.BIS	;3	2.	05-MAR-88 00:00
SPPLO2.BIS	;4	1.	05-MAR-88 00:00
FLXFIT.ODL	;3	1.	05-MAR-88 00:00
SPECTR.ODL	;1	1.	05-MAR-88 00:00
FLXMAN.ODL	;22	1.	05-MAR-88 00:00
FLXWRN.ODL	;7	1.	05-MAR-88 00:00
SPPLOT.ODL	;1	1.	05-MAR-88 00:00
SPPLO2.ODL	;1	1.	05-MAR-88 00:00
SPPLOT.ULB	;1	126.	05-MAR-88 00:00
SPPLOT.UMD	;15	10.	05-MAR-88 00:00

Total of 488./488. blocks in 35. files

```
 ** DB0:[200,102] 5-MAR-88  11:55
BOBBFTN.LIS=DB0:[200,102]*.FTN
  FLXFR4    .FTN;45
  FLXMAN    .FTN;46
  HISTO     .FTN;1
  HISTO3    .FTN;1
  RCON      .FTN;1
  SCALMN    .FTN;15
  SPECTR    .FTN;1
  SPEC2     .FTN;1
  STEST     .FTN;1
  STRIP     .FTN;50
  STRIPA    .FTN;35
  THREEP    .FTN;7
  TIMPLT    .FTN;11
  ZBEGIN    .FTN;1
  ZIDENT    .FTN;2
  ZPROC     .FTN;1
    16. Files selected        177. Files total
```

```
 ** DB0:[200,102] 5-MAR-88  11:55
BOBBBIS.LIS=DB0:[200,102]*.BIS
  LIBSRD    .BIS;3
  SCATER    .BIS;4
  SCATMP    .BIS;2
  SPECI683  .BIS;1
  SPECTR    .BIS;2
  SPEC20AV  .BIS;1
  SPEC20SP  .BIS;1
  SPPLOT    .BIS;3
  SPPLO2    .BIS;4
  THREEP    .BIS;2
    10. Files selected        177. Files total
```

```
 ** DB0:[200,102] 5-MAR-88  11:56
BOBBODL.LIS=DB0:[200,102]*.ODL
  FLXFIT   .ODL;3
  FLXMAN   .ODL;22
  FLXWRN   .ODL;7
  SPECTR   .ODL;1
  SPPLOT   .ODL;1
  SPPLO2   .ODL;1
     6. Files selected        177. Files total
```

```
 ** DB0:[200,102] 5-MAR-88  11:56
BOBBULB.LIS=DB0:[200,102]*.ULB
  SPPLOT   .ULB;1
     1. Files selected        177. Files total
```

```
 ** DB0:[200,102] 5-MAR-88  11:56
BOBBUMD.LIS=DB0:[200,102]*.UMD
  SPPLOT    .UMD;15
     1. Files selected        177. Files total
```

PAM

Directory MS0: BOBDUMP
5-MAR-88 11:31

Contents of PIP 1 Tape from PDP 11/70

FRENR3.FTN	;12	19.	04-MAR-88 00:00	FTN
SPLOT1.FTN	;1	3.	04-MAR-88 00:00	BIS
SPLOTA.FTN	;1	2.	04-MAR-88 00:00	DDL
STEST.FTN	;1	18.	04-MAR-88 00:00	ULB
SVERSE.FTN	;1	18.	04-MAR-88 00:00	UMD
TAPEIN.FTN	;2	4.	04-MAR-88 00:00	
IMPFLX.FTN	;1	28.	04-MAR-88 00:00	
IMPRAT.FTN	;1	19.	04-MAR-88 00:00	
IMPANL.FTN	;1	18.	04-MAR-88 00:00	
HSAVE2.FTN	;2	19.	04-MAR-88 00:00	
FOURER.FTN	;1	22.	04-MAR-88 00:00	
TPFORV.FTN	;1	10.	04-MAR-88 00:00	
TPFOL7.FTN	;1	16.	04-MAR-88 00:00	
TPFOL8.FTN	;1	16.	04-MAR-88 00:00	
TPFOH7.FTN	;1	17.	04-MAR-88 00:00	
TPFOH8.FTN	;1	15.	04-MAR-88 00:00	
RNGENG.FTN	;1	47.	04-MAR-88 00:00	
RNGPRT.FTN	;1	35.	04-MAR-88 00:00	
TPFOVC.FTN	;1	15.	04-MAR-88 00:00	
RNGENA.FTN	;1	62.	04-MAR-88 00:00	
RNGPRA.FTN	;1	35.	04-MAR-88 00:00	
DETLOD.FTN	;1	14.	04-MAR-88 00:00	
LINEAR.FTN	;1	2.	04-MAR-88 00:00	
REVISE.FTN	;1	11.	04-MAR-88 00:00	
BINTAB.FTN	;1	8.	04-MAR-88 00:00	
MATRIX.FTN	;1	4.	04-MAR-88 00:00	
STRIP1.FTN	;54	26.	04-MAR-88 00:00	- RENAMED FROM STRIP.FTN;54
SPLOTM.FTN	;1	5.	04-MAR-88 00:00	
SPLOTN.FTN	;1	3.	04-MAR-88 00:00	
SPLOTQ.FTN	;1	5.	04-MAR-88 00:00	
SPLOT2.FTN	;1	11.	04-MAR-88 00:00	
SPLOT3.FTN	;1	4.	04-MAR-88 00:00	
SPLOT4.FTN	;1	4.	04-MAR-88 00:00	
SPLOT5.FTN	;1	4.	04-MAR-88 00:00	
SPLOT6.FTN	;1	3.	04-MAR-88 00:00	
SPLOT7.FTN	;1	11.	04-MAR-88 00:00	
SPLOT8.FTN	;1	4.	04-MAR-88 00:00	
FIT.FTN	;1	5.	04-MAR-88 00:00	
TRANSF.FTN	;1	4.	04-MAR-88 00:00	
BESFIT.FTN	;1	4.	04-MAR-88 00:00	
STRIPA.FTN	;36	32.	04-MAR-88 00:00	
TIMPLT.FTN	;1	8.	04-MAR-88 00:00	
FLXFR4.FTN	;60	19.	04-MAR-88 00:00	
SCAPFL.FTN	;12	4.	04-MAR-88 00:00	
SCATSN.FTN	;13	18.	04-MAR-88 00:00	
IPTEXT.FTN	;5	4.	04-MAR-88 00:00	
IFTEXT.FTN	;10	6.	04-MAR-88 00:00	
LSFLIN.FTN	;25	12.	04-MAR-88 00:00	
UREAM.FTN	;4	8.	04-MAR-88 00:00	
TSURC2.FTN	;15	2.	04-MAR-88 00:00	
TIMEC.FTN	;16	7.	04-MAR-88 00:00	
FIXBLK.FTN	;13	4.	04-MAR-88 00:00	
STATIN.FTN	;33	15.	04-MAR-88 00:00	
FXBLK3.FTN	;4	7.	04-MAR-88 00:00	
FXBLK2.FTN	;22	7.	04-MAR-88 00:00	
BUFR.FTN	;2	1.	04-MAR-88 00:00	
FLCMD.FTN	;1	1.	04-MAR-88 00:00	
FLXCOM.FTN	;1	2.	04-MAR-88 00:00	
STRIP.FTN	;55	26.	04-MAR-88 00:00	
FLXTST.FTN	;2	11.	04-MAR-88 00:00	
SCALMN.FTN	;41	11.	04-MAR-88 00:00	
STRIPAT1.FTN	;1	26.	04-MAR-88 00:00	- REN FROM STRIPAT.FTN;7
FLXWRTO.FTN	;1	30.	04-MAR-88 00:00	

```
LSF.FTN                 ;40         6.          04-MAR-88 00:00
FLXWRT.FTN              ;36         9.          04-MAR-88 00:00
DRAWEL.FTN              ;21         8.          04-MAR-88 00:00
FLXPR3.FTN              ;5          36.         04-MAR-88 00:00
TPMA.FTN                ;10         2.          04-MAR-88 00:00
SCATSNO.FTN             ;1          16.         04-MAR-88 00:00
FLXPRO.FTN              ;231        59.         04-MAR-88 00:00
FLXINI.FTN              ;102        35.         04-MAR-88 00:00
FLXWRN.FTN              ;15         4.          04-MAR-88 00:00
FLXPR2.FTN              ;161        58.         04-MAR-88 00:00
LABMAN.FTN              ;60         7.          04-MAR-88 00:00
FLXIN2.FTN              ;70         41.         04-MAR-88 00:00
FLXOUN.FTN              ;24         20.         04-MAR-88 00:00
FLXIN3.FTN              ;3          39.         04-MAR-88 00:00
WFTEXT.FTN              ;2          52.         04-MAR-88 00:00
Z.FTN                   ;1          1.          04-MAR-88 00:00
FLXFR3.FTN              ;26         6.          04-MAR-88 00:00
FLXFT3.FTN              ;5          8.          04-MAR-88 00:00
LOADNE.FTN              ;1          11.         04-MAR-88 00:00
DRAW3.FTN               ;1          13.         04-MAR-88 00:00
NEWFIL.FTN              ;1          9.          04-MAR-88 00:00
READEL.FTN              ;1          8.          04-MAR-88 00:00
TPMA2.FTN               ;2          2.          04-MAR-88 00:00
TDMP.FTN                ;24         9.          04-MAR-88 00:00
LSF2.FTN                ;4          6.          04-MAR-88 00:00
ILIN.FTN                ;23         10.         04-MAR-88 00:00
OWPROP.FTN              ;1          22.         04-MAR-88 00:00
OPROP1.FTN              ;1          13.         04-MAR-88 00:00
OPROP2.FTN              ;1          17.         04-MAR-88 00:00
OPROP3.FTN              ;1          26.         04-MAR-88 00:00
OPROP4.FTN              ;1          11.         04-MAR-88 00:00
OPROP5.FTN              ;1          11.         04-MAR-88 00:00
FLXCOR.FTN              ;35         6.          04-MAR-88 00:00
TODISK.FTN              ;12         9.          04-MAR-88 00:00
FRELAB.FTN              ;5          7.          04-MAR-88 00:00
FREPRO.FTN              ;31         49.         04-MAR-88 00:00
SVERSEO.FTN             ;1          16.         04-MAR-88 00:00
FRENOR.FTN              ;123        32.         04-MAR-88 00:00
BINMAN.FTN              ;50         17.         04-MAR-88 00:00
FRENR2.FTN              ;106        19.         04-MAR-88 00:00
RFTEXT.FTN              ;4          4.          04-MAR-88 00:00
FLXFIX.FTN              ;3          4.          04-MAR-88 00:00
ENAVG.FTN               ;77         16.         04-MAR-88 00:00
TAR.FTN                 ;26         7.          04-MAR-88 00:00
TPM.FTN                 ;43         7.          04-MAR-88 00:00
MERGEV.FTN              ;45         20.         04-MAR-88 00:00
STRIP2.FTN              ;1          26.         04-MAR-88 00:00
TWOONE.FTN              ;11         6.          04-MAR-88 00:00
MULTI.FTN               ;32         5.          04-MAR-88 00:00
MINUS1.FTN              ;11         4.          04-MAR-88 00:00
INTERP.FTN              ;16         9.          04-MAR-88 00:00
MERGES.FTN              ;51         14.         04-MAR-88 00:00
TIMCHG.FTN              ;20         27.         04-MAR-88 00:00
ENMAT.FTN               ;41         11.         04-MAR-88 00:00
BAKSUB.FTN              ;73         13.         04-MAR-88 00:00
FLXIN.FTN               ;13         24.         04-MAR-88 00:00
FLXOUT.FTN              ;21         19.         04-MAR-88 00:00
FITER.FTN               ;1          3.          04-MAR-88 00:00
TSTCOR.FTN              ;25         8.          04-MAR-88 00:00
FORCET.FTN              ;11         9.          04-MAR-88 00:00
EXPAND.FTN              ;5          6.          04-MAR-88 00:00
FLXFIT.FTN              ;42         7.          04-MAR-88 00:00
DFWRT2.FTN              ;41         12.         04-MAR-88 00:00
LABROB.FTN              ;7          3.          04-MAR-88 00:00
FLIP.FTN                ;11         4.          04-MAR-88 00:00
STRIPD.FTN              ;23         30.         04-MAR-88 00:00
```

DFWRIT.FTN	;16	9.	04-MAR-88 00:00
ICDTAB.FTN	;46	14.	04-MAR-88 00:00
TESTVS.FTN	;102	7.	04-MAR-88 00:00
RTTST.FTN	;71	9.	04-MAR-88 00:00
DFREAD.FTN	;37	9.	04-MAR-88 00:00
SCATER.FTN	;20	20.	04-MAR-88 00:00
RPTEXT.FTN	;30	10.	04-MAR-88 00:00
SCAFTS.FTN	;14	8.	04-MAR-88 00:00
TEMP.FTN	;1	11.	04-MAR-88 00:00
GLSWS.FTN	;1	74.	04-MAR-88 00:00
GLSWS1.FTN	;1	83.	04-MAR-88 00:00
TDUMP.FTN	;15	5.	04-MAR-88 00:00
STAGLSWS.FTN	;1	25.	04-MAR-88 00:00
FITGLSWS.FTN	;1	49.	04-MAR-88 00:00
ERROR.FTN	;1	1.	04-MAR-88 00:00
ERRORS.FTN	;1	1.	04-MAR-88 00:00
MERGEH.FTN	;44	12.	04-MAR-88 00:00
SINT.FTN	;1	7.	04-MAR-88 00:00
FLXMAN.FTN	;63	11.	04-MAR-88 00:00
SPLOTP.FTN	;2	3.	04-MAR-88 00:00
SPPLOT.FTN	;2	8.	04-MAR-88 00:00
FLXINN.FTN	;57	27.	04-MAR-88 00:00
FILTER.FTN	;3	5.	04-MAR-88 00:00
SPEC.FTN	;1	6.	04-MAR-88 00:00
STRIPAT.FTN	;10	26.	04-MAR-88 00:00
RQSUBS.FTN	;1	1.	04-MAR-88 00:00
VGSUBS.FTN	;1	2.	04-MAR-88 00:00
TSURCH.FTN	;1	2.	04-MAR-88 00:00
RMENER.FTN	;1	3.	04-MAR-88 00:00
RANG1.FTN	;1	14.	04-MAR-88 00:00
RANG2.FTN	;1	15.	04-MAR-88 00:00
EPLOT1.FTN	;1	9.	04-MAR-88 00:00
EPLOT2.FTN	;1	8.	04-MAR-88 00:00
SCANER.FTN	;1	10.	04-MAR-88 00:00
SCANP.FTN	;1	4.	04-MAR-88 00:00
SCANE1.FTN	;1	2.	04-MAR-88 00:00
SPEMAN.FTN	;1	4.	04-MAR-88 00:00
RATIO2.FTN	;1	8.	04-MAR-88 00:00
RATIO3.FTN	;1	16.	04-MAR-88 00:00
SPMRG2.FTN	;1	19.	04-MAR-88 00:00
SPREAD.FTN	;1	11.	04-MAR-88 00:00
COSPFL.FTN	;1	10.	04-MAR-88 00:00
ABENHN.FTN	;1	11.	04-MAR-88 00:00
ENLOSS.FTN	;1	10.	04-MAR-88 00:00
RANGTM.FTN	;1	7.	04-MAR-88 00:00
SIMULP.FTN	;1	6.	04-MAR-88 00:00
SIMULV.FTN	;1	7.	04-MAR-88 00:00
ANAFSK.FTN	;1	4.	04-MAR-88 00:00
CONVRT.FTN	;1	2.	04-MAR-88 00:00
RCALC.FTN	;1	15.	04-MAR-88 00:00
RNGCON.FTN	;1	7.	04-MAR-88 00:00
RMENER.BIS	;3	1.	04-MAR-88 00:00
SPPLOT.BIS	;1	2.	04-MAR-88 00:00
LIBSRD.BIS	;4	1.	04-MAR-88 00:00
RNGENG.BIS	;2	1.	04-MAR-88 00:00
TAPEIN.BIS	;2	1.	04-MAR-88 00:00
SCATER.BIS	;12	1.	04-MAR-88 00:00
CRGRPSRD.BIS	;2	2.	04-MAR-88 00:00
LIBLST.BIS	;4	1.	04-MAR-88 00:00
CRSPAC.BIS	;7	1.	04-MAR-88 00:00
FLXFT3.BIS	;4	1.	04-MAR-88 00:00
FMAN04.BIS	;6	1.	04-MAR-88 00:00
LIBLS3.BIS	;1	1.	04-MAR-88 00:00
FLXFTF.BIS	;1	1.	04-MAR-88 00:00
FLXCRF.BIS	;1	1.	04-MAR-88 00:00
OWBAS.BIS	;1	1.	04-MAR-88 00:00

```
OWPR1.BIS           ;1        1.          04-MAR-88 00:00
OWPROP.BIS          ;2        1.          04-MAR-88 00:00
FLXWRT.BIS          ;10       1.          04-MAR-88 00:00
FLXWRN.BIS          ;5        1.          04-MAR-88 00:00
SCATER77.BIS        ;1        2.          04-MAR-88 00:00
FLXFIT.BIS          ;11       1.          04-MAR-88 00:00
NEWTIM.BIS          ;12       2.          04-MAR-88 00:00
FLXMAN.BIS          ;25       2.          04-MAR-88 00:00
SPEMAN.BIS          ;1        1.          04-MAR-88 00:00
TAPEIN.ODL          ;3        1.          04-MAR-88 00:00
FLXMAN.ODL          ;30       1.          04-MAR-88 00:00
SCATER77.ODL        ;1        1.          04-MAR-88 00:00
SCAT77.ODL          ;1        1.          04-MAR-88 00:00
SCATER.ODL          ;4        1.          04-MAR-88 00:00
SCAT4P.ODL          ;1        1.          04-MAR-88 00:00
NEWT4P.ODL          ;1        1.          04-MAR-88 00:00
NEWTIM.ODL          ;3        1.          04-MAR-88 00:00
FLXFT3.ODL          ;2        1.          04-MAR-88 00:00
FLXWRT.ODL          ;4        1.          04-MAR-88 00:00
OWPROP.ODL          ;1        1.          04-MAR-88 00:00
FRENOR.ODL          ;3        1.          04-MAR-88 00:00
FLXWRN.ODL          ;10       1.          04-MAR-88 00:00
FLXFIT.ODL          ;4        1.          04-MAR-88 00:00
SPPLOTVG.ODL        ;1        1.          04-MAR-88 00:00
SPLTVG.ODL          ;1        1.          04-MAR-88 00:00
SPPLOT.ODL          ;3        1.          04-MAR-88 00:00
RMENER.ODL          ;1        1.          04-MAR-88 00:00
SPEMAN.ODL          ;1        1.          04-MAR-88 00:00
RNGENG.ULB          ;2        269.        04-MAR-88 00:00
SPPLOT.ULB          ;1        126.        04-MAR-88 00:00
RMENER.ULB          ;1        101.        04-MAR-88 00:00
SPEPLT.ULB          ;1        60.         04-MAR-88 00:00
SCATER.ULB          ;1        120.        04-MAR-88 00:00
ORPHAN.ULB          ;2        37.         04-MAR-88 00:00
MISC.ULB            ;1        36.         04-MAR-88 00:00
NEWTRM.ULB          ;2        149.        04-MAR-88 00:00
UNKNOW.ULB          ;1        39.         04-MAR-88 00:00
THEORY.ULB          ;1        54.         04-MAR-88 00:00
SPEMAN.ULB          ;2        114.        04-MAR-88 00:00
GLSWS.ULB           ;1        233.        04-MAR-88 00:00
SPECTR.ULB          ;1        197.        04-MAR-88 00:00
THREEP.ULB          ;1        47.         04-MAR-88 00:00
TAPEIN.ULB          ;2        242.        04-MAR-88 00:00
TAPEIN.UMD          ;11       12.         04-MAR-88 00:00
RNGENG.UMD          ;11       11.         04-MAR-88 00:00
SPPLOT.UMD          ;15       10.         04-MAR-88 00:00
ORPHAN.UMD          ;6        7.          04-MAR-88 00:00
RMENER.UMD          ;11       8.          04-MAR-88 00:00
MISC.UMD            ;5        7.          04-MAR-88 00:00
SPEPLT.UMD          ;7        7.          04-MAR-88 00:00
UNKNOW.UMD          ;10       6.          04-MAR-88 00:00
THEORY.UMD          ;11       7.          04-MAR-88 00:00
SCATER.UMD          ;6        9.          04-MAR-88 00:00
SPEMAN.UMD          ;7        8.          04-MAR-88 00:00
GLSWS.UMD           ;10       6.          04-MAR-88 00:00
FLXMAN.UMD          ;1        12.         04-MAR-88 00:00
NEWTIM.UMD          ;1        11.         04-MAR-88 00:00
OWPROP.UMD          ;1        8.          04-MAR-88 00:00
SPECTR.UMD          ;31       9.          04-MAR-88 00:00
THREEP.UMD          ;10       6.          04-MAR-88 00:00
SCATERO.FTN         ;1        17.         04-MAR-88 00:00
MODSTEST.FTN        ;1        2.          04-MAR-88 00:00
ILIN2.FTN           ;3        14.         04-MAR-88 00:00

Total of 4555./4555. blocks in 258. files
```

```
 ** DU0:[200,102] 5-MAR-88  11:52
BOBDFTN.LIS=DU0:[200,102]*.FTN/WI/LI
  ABENHN    .FTN;1
  ANAFSK    .FTN;1
  BAKSUB    .FTN;73
  BESFIT    .FTN;1
  BINMAN    .FTN;50
  BINTAB    .FTN;1
  BUFR      .FTN;2
  CONVRT    .FTN;1
  COSPFL    .FTN;1
  DETLOD    .FTN;1
  DFREAD    .FTN;37
  DFWRIT    .FTN;16
  DFWRT2    .FTN;41
  DRAWEL    .FTN;21
  DRAW3     .FTN;1
  ENAVG     .FTN;77
  ENLOSS    .FTN;1
  ENMAT     .FTN;41
  EPLOT1    .FTN;1
  EPLOT2    .FTN;1
  ERROR     .FTN;1
  ERRORS    .FTN;1
  EXPAND    .FTN;5
  FILTER    .FTN;3
  FIT       .FTN;1
  FITER     .FTN;1
  FITGLSWS  .FTN;1
  FIXBLK    .FTN;13
  FLCMD     .FTN;1
  FLIP      .FTN;11
  FLXCOM    .FTN;1
  FLXCOR    .FTN;35
  FLXFIT    .FTN;42
  FLXFIX    .FTN;3
  FLXFR3    .FTN;26
  FLXFR4    .FTN;60
  FLXFT3    .FTN;5
  FLXIN     .FTN;13
  FLXINI    .FTN;102
  FLXINN    .FTN;57
  FLXIN2    .FTN;70
  FLXIN3    .FTN;3
  FLXMAN    .FTN;63
  FLXOUN    .FTN;24
  FLXOUT    .FTN;21
  FLXPRO    .FTN;231
  FLXPR2    .FTN;161
  FLXPR3    .FTN;5
  FLXTST    .FTN;2
  FLXWRN    .FTN;15
  FLXWRT    .FTN;36
  FLXWRTO   .FTN;1
  FORCET    .FTN;11
  FOURER    .FTN;1
  FRELAB    .FTN;5
  FRENOR    .FTN;123
  FRENR2    .FTN;106
  FRENR3    .FTN;12
  FREPRO    .FTN;31
  FXBLK2    .FTN;22
  FXBLK3    .FTN;4
  GLSWS     .FTN;1
  GLSWS1    .FTN;1
  HSAVE2    .FTN;2
```

```
ICDTAB    .FTN;46
IFTEXT    .FTN;10
ILIN      .FTN;23
ILIN2     .FTN;3
IMPANL    .FTN;1
IMPFLX    .FTN;1
IMPRAT    .FTN;1
INTERP    .FTN;16
IPTEXT    .FTN;5
LABMAN    .FTN;60
LABROB    .FTN;7
LINEAR    .FTN;1
LOADNE    .FTN;1
LSF       .FTN;40
LSFLIN    .FTN;25
LSF2      .FTN;4
MATRIX    .FTN;1
MERGEH    .FTN;44
MERGES    .FTN;51
MERGEV    .FTN;45
MINUS1    .FTN;11
MODSTEST  .FTN;1
MULTI     .FTN;32
NEWFIL    .FTN;1
OPROP1    .FTN;1
OPROP2    .FTN;1
OPROP3    .FTN;1
OPROP4    .FTN;1
OPROP5    .FTN;1
OWPROP    .FTN;1
RANGTM    .FTN;1
RANG1     .FTN;1
RANG2     .FTN;1
RATIO2    .FTN;1
RATIO3    .FTN;1
RCALC     .FTN;1
READEL    .FTN;1
REVISE    .FTN;1
RFTEXT    .FTN;4
RMENER    .FTN;1
RNGCON    .FTN;1
RNGENA    .FTN;1
RNGENG    .FTN;1
RNGPRA    .FTN;1
RNGPRT    .FTN;1
RPTEXT    .FTN;30
RQSUBS    .FTN;1
RTTST     .FTN;71
SCAFTS    .FTN;14
SCALMN    .FTN;41
SCANER    .FTN;1
SCANE1    .FTN;1
SCANP     .FTN;1
SCAPFL    .FTN;12
SCATER    .FTN;20
SCATERO   .FTN;1
SCATSN    .FTN;13
SCATSNO   .FTN;1
SIMULP    .FTN;1
SIMULV    .FTN;1
SINT      .FTN;1
SPEC      .FTN;1
SPEMAN    .FTN;1
SPLOTA    .FTN;1
SPLOTM    .FTN;1
SPLOTN    .FTN;1
```

```
SPLOTP    .FTN;2
SPLOTQ    .FTN;1
SPLOT1    .FTN;1
SPLOT2    .FTN;1
SPLOT3    .FTN;1
SPLOT4    .FTN;1
SPLOT5    .FTN;1
SPLOT6    .FTN;1
SPLOT7    .FTN;1
SPLOT8    .FTN;1
SPMRG2    .FTN;1
SPPLOT    .FTN;2
SPREAD    .FTN;1
STAGLSWS  .FTN;1
STATIN    .FTN;33
STEST     .FTN;1
STRIP     .FTN;55
STRIPA    .FTN;36
STRIPAT   .FTN;10
STRIPAT1  .FTN;1
STRIPD    .FTN;23
STRIP1    .FTN;54
STRIP2    .FTN;1
SVERSE    .FTN;1
SVERSEO   .FTN;1
TAPEIN    .FTN;2
TAR       .FTN;26
TDMP      .FTN;24
TDUMP     .FTN;15
TEMP      .FTN;1
TESTVS    .FTN;102
TIMCHG    .FTN;20
TIMEC     .FTN;16
TIMPLT    .FTN;1
TODISK    .FTN;12
TPFOH7    .FTN;1
TPFOH8    .FTN;1
TPFOL7    .FTN;1
TPFOL8    .FTN;1
TPFORV    .FTN;1
TPFOVC    .FTN;1
TPM       .FTN;43
TPMA      .FTN;10
TPMA2     .FTN;2
TRANSF    .FTN;1
TSTCOR    .FTN;25
TSURCH    .FTN;1
TSURC2    .FTN;15
TWOONE    .FTN;11
UREAM     .FTN;4
VGSUBS    .FTN;1
WFTEXT    .FTN;2
Z         .FTN;1
 183. Files selected        539. Files total
```

```
 ** DU0:[200,102] 5-MAR-88  11:53
BOBDBIS.LIS=DU0:[200,102]*.BIS
  CRGRPSRD .BIS;2
  CRSPAC   .BIS;7
  FLXCRF   .BIS;1
  FLXFIT   .BIS;11
  FLXFTF   .BIS;1
  FLXFT3   .BIS;4
  FLXMAN   .BIS;25
  FLXWRN   .BIS;5
  FLXWRT   .BIS;10
  FMAN04   .BIS;6
  LIBLST   .BIS;4
  LIBLS3   .BIS;1
  LIBSRD   .BIS;4
  NEWTIM   .BIS;12
  OWBAS    .BIS;1
  OWPROP   .BIS;2
  OWPR1    .BIS;1
  RMENER   .BIS;3
  RMENER   .BIS;2
  RNGENG   .BIS;2
  SCATER   .BIS;12
  SCATER77 .BIS;1
  SPEMAN   .BIS;1
  SPPLOT   .BIS;1
  TAPEIN   .BIS;2
    25. Files selected        539. Files total
```

```
 ** DU0:[200,102] 5-MAR-88  11:53
BOBDODL.LIS=DU0:[200,102]*.ODL
  FLXFIT    .ODL;4
  FLXFT3    .ODL;2
  FLXMAN    .ODL;30
  FLXWRN    .ODL;10
  FLXWRT    .ODL;4
  FRENOR    .ODL;3
  NEWTIM    .ODL;3
  NEWT4P    .ODL;1
  OWPROP    .ODL;1
  RMENER    .ODL;1
  SCATER    .ODL;4
  SCATER77  .ODL;1
  SCAT4P    .ODL;1
  SCAT77    .ODL;1
  SPEMAN    .ODL;1
  SPLTVG    .ODL;1
  SPPLOT    .ODL;3
  SPPLOTVG  .ODL;1
  TAPEIN    .ODL;3
    19. Files selected        539. Files total
```

```
 ** DU0:[200,102] 5-MAR-88  11:54
BOBDULB.LIS=DU0:[200,102]*.ULB
  GLSWS     .ULB;1
  MISC      .ULB;1
  NEWTRM    .ULB;2
  ORPHAN    .ULB;2
  RMENER    .ULB;1
  RNGENG    .ULB;2
  SCATER    .ULB;1
  SPECTR    .ULB;1
  SPEMAN    .ULB;2
  SPEPLT    .ULB;1
  SPPLOT    .ULB;1
  TAPEIN    .ULB;2
  THEORY    .ULB;1
  THREEP    .ULB;1
  UNKNOW    .ULB;1
    15. Files selected        539. Files total
```

```
 ** DU0:[200,102] 5-MAR-88  11:54
BOBDUMD.LIS=DU0:[200,102]*.UMD
  FLXMAN    .UMD;1
  GLSWS     .UMD;10
  MISC      .UMD;5
  NEWTIM    .UMD;1
  ORPHAN    .UMD;6
  OWPROP    .UMD;1
  RMENER    .UMD;11
  RNGENG    .UMD;11
  SCATER    .UMD;6
  SPECTR    .UMD;31
  SPEMAN    .UMD;7
  SPEPLT    .UMD;7
  SPPLOT    .UMD;15
  TAPEIN    .UMD;11
  THEORY    .UMD;11
  THREEP    .UMD;10
  UNKNOW    .UMD;10
    17. Files selected        539. Files total
```

VAX

Directory $DISK1:[MCGUIRE.FTN11]

BAKSUB.FTN;1	BESFIT.FTN;1	BINMAN.FTN;1	BINTAB.FTN;1
FR.FTN;1	DETLOD.FTN;1	DFREAD.FTN;1	DFWRIT.FTN;1
DFWRT2.FTN;1	DRAW3.FTN;1	DRAWEL.FTN;1	ENAVG.FTN;1
ENMAT.FTN;1	EXPAND.FTN;1	FILTER.FTN;1	FIT.FTN;1
FITER.FTN;1	FIXBLK.FTN;1	FLCMD.FTN;1	FLIP.FTN;1
FLXCOM.FTN;1	FLXCOR.FTN;1	FLXFIT.FTN;1	FLXFIX.FTN;1
FLXFR3.FTN;1	FLXFR4.FTN;1	FLXFT3.FTN;1	FLXIN.FTN;1
FLXIN2.FTN;1	FLXIN3.FTN;1	FLXINI.FTN;1	FLXINN.FTN;1
FLXMAN.FTN;1	FLXOUN.FTN;1	FLXOUT.FTN;1	FLXPR2.FTN;1
FLXPR3.FTN;1	FLXPRO.FTN;1	FLXTST.FTN;3	FLXWRN.FTN;1
FLXWRT.FTN;1	FLXWRTO.FTN;1	FORCET.FTN;1	FOURER.FTN;1
FRELAB.FTN;1	FRENOR.FTN;1	FRENR2.FTN;1	FRENR3.FTN;1
FREPRO.FTN;1	FXBLK2.FTN;1	FXBLK3.FTN;1	HSAVE2.FTN;1
ICDTAB.FTN;1	IFTEXT.FTN;1	ILIN.FTN;1	ILIN2.FTN;1
IMPANL.FTN;1	IMPFLX.FTN;1	IMPRAT.FTN;1	INTERP.FTN;1
IPTEXT.FTN;1	LABMAN.FTN;1	LABROB.FTN;1	LINEAR.FTN;1
LOADNE.FTN;1	LSF.FTN;1	LSF2.FTN;1	LSFLIN.FTN;1
MATRIX.FTN;1	MERGEH.FTN;1	MERGES.FTN;1	MERGEV.FTN;1
MINUS1.FTN;1	MODSTEST.FTN;1	MULTI.FTN;1	NEWFIL.FTN;1
OPROP1.FTN;1	OPROP2.FTN;1	OPROP3.FTN;1	OPROP4.FTN;1
OPROP5.FTN;1	OWPROP.FTN;1	READEL.FTN;1	REVISE.FTN;1
RFTEXT.FTN;1	RNGENA.FTN;1	RNGENG.FTN;1	RNGPRA.FTN;1
RNGPRT.FTN;1	RPTEXT.FTN;1	RTTST.FTN;1	SCAFTS.FTN;1
SCALMN.FTN;1	SCAPFL.FTN;1	SCATER.FTN;1	SCATERO.FTN;1
SCATSN.FTN;1	SCATSNO.FTN;1	SPLOT1.FTN;1	SPLOT2.FTN;1
SPLOT3.FTN;1	SPLOT4.FTN;1	SPLOT5.FTN;1	SPLOT6.FTN;1
LOT7.FTN;1	SPLOT8.FTN;1	SPLOTA.FTN;1	SPLOTM.FTN;1
LOTN.FTN;1	SPLOTP.FTN;1	SPLOTQ.FTN;1	SPPLOT.FTN;1
STATIN.FTN;1	STEST.FTN;1	STRIP.FTN;2	STRIP2.FTN;1
STRIPA.FTN;1	STRIPAT.FTN;2	STRIPD.FTN;1	SVERSE.FTN;1
SVERSEO.FTN;1	TAPEIN.FTN;1	TAR.FTN;1	TDMP.FTN;1
TDUMP.FTN;1	TEMP.FTN;1	TESTVS.FTN;1	TIMCHG.FTN;1
TIMEC.FTN;1	TIMPLT.FTN;1	TODISK.FTN;1	TPFOH7.FTN;1
TPFOH8.FTN;1	TPFOL7.FTN;1	TPFOL8.FTN;1	TPFORV.FTN;1
TPFOVC.FTN;1	TPM.FTN;1	TPMA.FTN;1	TPMA2.FTN;1
TRANSF.FTN;1	TSTCOR.FTN;1	TSURC2.FTN;1	TWOONE.FTN;1
UREAM.FTN;1	WFTEXT.FTN;1	Z.FTN;1	

Total of 147 files.

Directory $DISK1:[MCGUIRE.CMD11]

BACKUP.CMD;1	BACKUS.CMD;1	BAKSUB.CMD;1	BINMAN.CMD;1
NTAB.CMD;1	CRGRPSRD.BIS;1	CRSPAC.BIS;1	DETLOD.CMD;1
ENAVG.CMD;1	ENMAT.CMD;1	EXPAND.CMD;1	FILTER.CMD;1
FITER.CMD;1	FIXBLK.CMD;1	FLXCOR.CMD;1	FLXCRF.BIS;1
FLXCRF.CMD;1	FLXFIT.BIS;1	FLXFIT.CMD;1	FLXFR2.CMD;1
FLXFR3.CMD;1	FLXFR4.CMD;1	FLXFT3.BIS;1	FLXFT3.CMD;1
FLXFTF.BIS;1	FLXMAF.CMD;1	FLXMAN.BIS;1	FLXMAN.CMD;1
FLXMAN.UMD;1	FLXWRF.CMD;1	FLXWRN.BIS;1	FLXWRN.CMD;1
FLXWRT.BIS;1	FLXWRT.CMD;1	FMAN04.BIS;1	FORCET.CMD;1
FOURER.CMD;1	FRENOR.CMD;1	FRENR2.CMD;1	FRENR3.CMD;1
FXBLK2.CMD;1	FXBLK3.CMD;1	GLSWS.UMD;1	HSAVE2.CMD;1
ICDTAB.CMD;1	ICDTBF.CMD;1	IMPANL.CMD;1	IMPFLX.CMD;1
IMPRAT.CMD;1	INTERP.CMD;1	LABMAN.CMD;1	LABROB.CMD;1
LIBLS3.BIS;1	LIBLS3.CMD;1	LIBLST.BIS;1	LIBLST.CMD;1
LIBSRD.BIS;1	LIBSRD.CMD;1	LINEAR.CMD;1	MATRIX.CMD;1
MERGEH.CMD;1	MERGES.CMD;1	MERGEV.CMD;1	MESS.CMD;1
MINUS1.CMD;1	MISC.UMD;1	MULTI.CMD;1	NARROW.CMD;1
NEWTIM.BIS;1	NEWTIM.CMD;1	NEWTIM.UMD;1	NEWTMF.CMD;1
ORPHAN.UMD;1	OWBAS.BIS;1	OWPR1.BIS;1	OWPROP.BIS;1
OWPROP.CMD;1	OWPROP.UMD;1	REVISE.CMD;1	RMENER.BIS;1
RMENER.UMD;1	RNGENA.CMD;1	RNGENG.BIS;1	RNGENG.CMD;1
RNGENG.UMD;1	RNGPRA.CMD;1	RNGPRT.CMD;1	RTTST.CMD;1
RTTSTF.CMD;1	SCALMN.CMD;1	SCASTB.CMD;1	SCAT77.CMD;1
SCATEF.CMD;1	SCATER.BIS;1	SCATER.CMD;1	SCATER.UMD;1
SCATER77.BIS;1	SCATER77.CMD;1	SPECTR.UMD;1	SPEMAN.UMD;1
SPEPLT.UMD;1	SPPLOT.BIS;1	SPPLOT.CMD;1	SPPLOT.UMD;1
SPPLTF.CMD;1	START.CMD;2	START.CMD;1	STATIN.CMD;1
STRIP.CMD;1	STRIP2.CMD;1	STRIPA.CMD;1	STRIPAT.CMD;2
STRIPAT.CMD;1	STRIPD.CMD;1	STRIPLST.CMD;2	STRIPLST.CMD;1
SVERSE.CMD;1	SVERSF.CMD;1	TAPEIN.BIS;1	TAPEIN.CMD;1
TAPEIN.UMD;1	TAR.CMD;1	TDMP.CMD;1	TDUMP.CMD;1
TEMP.CMD;1	TESTVF.CMD;1	TESTVS.CMD;1	THEORY.UMD;1
THREEP.UMD;1	TIMCHG.CMD;1	TODISK.CMD;1	TPFOH7.CMD;1
TPFOH8.CMD;1	TPFOL7.CMD;1	TPFOL8.CMD;1	TPFORV.CMD;1
TPFOVC.CMD;1	TPM.CMD;1	TPMA.CMD;1	TPMA2.CMD;1
TSTCOR.CMD;1	UNKNOW.UMD;1	UTEMP.CMD;1	WIDE.CMD;1
XFER.CMD;1			

Total of 145 files.

```
Directory $DISK1:[MCGUIRE.DB0STF]

CRGRPSRD.BIS;1      CRSPAC.BIS;1        FLXCRF.BIS;1        FLXFIT.BIS;1
FLXFT3.BIS;1        FLXFTF.BIS;1        FLXMAN.BIS;1        FLXWRN.BIS;1
FLXWRT.BIS;1        FMAN04.BIS;1        LIBLS3.BIS;1        LIBLST.BIS;1
LIBSRD.BIS;1        NEWTIM.BIS;1        OWBAS.BIS;1         OWPR1.BIS;1
OWPROP.BIS;1        SCATER.BIS;1        SCATER77.BIS;1      SCATMP.BIS;1
SPEC20AV.BIS;1      SPEC20SP.BIS;1      SPECI683.BIS;1      SPECTR.BIS;1
SPPLO2.BIS;1        SPPLOT.BIS;1        THREEP.BIS;1

Total of 27 files.
```

dwards

```
 ** DB0:[200,102] 20-FEB-88 12:32
BOBDB0.LIS=DB0:[200,102]*.*
           .    ;1
  CRGRPSRD .    ;1
  CRGRPSRD .BIS;2
  CRSPAC   .BIS;7
  FLXCRF   .BIS;1
  FLXFIT   .BIS;10
  FLXFTF   .BIS;1
  FLXFT3   .BIS;4
  FLXMAN   .BIS;24
  FLXWRN   .BIS;5
  FLXWRT   .BIS;10
  FMAN04   .BIS;6
  LIBLST   .BIS;4
  LIBLS3   .BIS;1
  LIBSRD   .BIS;3
  NEWTIM   .BIS;6
  OWBAS    .BIS;1
  OWPROP   .BIS;2
  OWPR1    .BIS;1
  SCATER   .BIS;4
  SCATER77 .BIS;1
  SCATMP   .BIS;2
  SPECI683 .BIS;1
  SPECTR   .BIS;2
  SPEC20AV .BIS;1
  SPEC20SP .BIS;1
  SPPLOT   .BIS;3
  SPPLO2   .BIS;4
  THREEP   .BIS;2
  I7HICH   .BTB;2
  I7LOCH   .BTB;2
  I8HICH   .BTB;2
  I8LOCH   .BTB;2
  VLETCH   .BTB;2
  VHISTO   .CHN;2
  BACKUP   .CMD;6
  BACKUS   .CMD;7
  BAKSUB   .CMD;4
  BINMAN   .CMD;3
  ENAVG    .CMD;4
  ENMAT    .CMD;3
  EXPAND   .CMD;2
  FITER    .CMD;1
  FLXCOR   .CMD;30
  FLXCRF   .CMD;20
  FLXFIT   .CMD;22
  FLXFR2   .CMD;4
  FLXFR3   .CMD;4
  FLXFR4   .CMD;3
  FLXFT3   .CMD;2
  FLXMAF   .CMD;13
  FLXMAN   .CMD;27
  FLXWRN   .CMD;7
  FLXWRT   .CMD;22
  FORCET   .CMD;2
  FOURER   .CMD;5
  FRENOR   .CMD;12
  FRENR2   .CMD;11
```

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```
FRENR3    .CMD;1
HSAVE2    .CMD;2
ICDTAB    .CMD;11
ICDTBF    .CMD;15
IMPFLX    .CMD;30
INTERP    .CMD;2
LABMAN    .CMD;6
LABROB    .CMD;2
LIBLST    .CMD;31
LIBLS3    .CMD;3
LIBSRD    .CMD;2
MERGEH    .CMD;2
MERGES    .CMD;4
MERGEV    .CMD;2
MESS      .CMD;1
MINUS1    .CMD;4
MULTI     .CMD;5
NEWTIM    .CMD;3
NEWTMF    .CMD;4
OWPROP    .CMD;1
PREP      .CMD;1
RTTST     .CMD;10
RTTSTF    .CMD;16
SCALMN    .CMD;3
SCATEF    .CMD;3
SCATER    .CMD;1
SCATER77  .CMD;1
SPECTF    .CMD;1
SPECTR    .CMD;1
SPPLOT    .CMD;1
SPPLO2    .CMD;4
SPPLTF    .CMD;1
STRIP     .CMD;3
STRIPA    .CMD;3
STRIPD    .CMD;4
SVERSE    .CMD;5
SVERSF    .CMD;25
TAR       .CMD;7
TDMP      .CMD;6
TEMP      .CMD;11
TESTVF    .CMD;4
TESTVS    .CMD;4
THREEP    .CMD;1
TIMCHG    .CMD;3
TODISK    .CMD;2
TPM       .CMD;4
TPMA      .CMD;1
TPMA2     .CMD;1
TSTCOR    .CMD;1
UTEMP     .CMD;2
XFER      .CMD;1
ELLIS     .DAT;1
ELLISA    .DAT;2
ELLISP    .DAT;1
ESCANP    .DAT;5
SCAN6     .DAT;2
LXWRT     .DAT;11
OLLOW     .DAT;2
FOR002    .DAT;1
ICRESP    .DAT;3
```

```
TEMP        .DAT;2
T1          .DAT;11
T14B        .DAT;17
T2          .DAT;4
T7          .DAT;2
T7D         .DAT;15
T9D         .DAT;12
0114CF      .DAT;1
TAPE11      .DOC;7
I8PROLAB    .FLB;1
NOV77       .FLC;1
EVMAST4     .FLM;2
EXI7FLU0    .FLM;1
EXI8FLU0    .FLM;1
EXI8FLU1    .FLM;2
HELT01      .FLM;1
HELT02      .FLM;1
HELT04      .FLM;1
ICE4H       .FLM;1
I3FL7879    .FLM;1
I3RT7879    .FLM;1
I7LALEV0    .FLM;1
I7LALEV2    .FLM;1
I8I37879    .FLM;1
I8LALEV0    .FLM;1
I8LALEV1    .FLM;2
I8LALEV2    .FLM;1
I8LALSAT    .FLM;1
I8LALTFL    .FLM;1
I8LALTHR    .FLM;2
I8LALTHR    .FLM;1
I8LALTH0    .FLM;1
LOCK        .FLM;1
NOV77C      .FLM;1
NWI7FLU0    .FLM;4
NWI78BK     .FLM;1
NWI8FLU0    .FLM;4
NWI8FLU1    .FLM;2
BAKSUB      .FTN;73
BESFIT      .FTN;1
BINMAN      .FTN;50
BUFR        .FTN;2
DFREAD      .FTN;37
DFWRIT      .FTN;16
DFWRT2      .FTN;41
DRAWEL      .FTN;21
DRAW3       .FTN;1
ENAVG       .FTN;77
ENMAT       .FTN;41
EXPAND      .FTN;5
FIT         .FTN;1
FITER       .FTN;1
FLCMD       .FTN;1
FLIP        .FTN;11
FLXCOM      .FTN;1
FLXCOR      .FTN;35
FLXFIT      .FTN;42
FLXFIX      .FTN;3
FLXFR3      .FTN;26
FLXFR4      .FTN;45
```

```
FLXFT3    .FTN;5
FLXIN     .FTN;13
FLXINI    .FTN;102
FLXINN    .FTN;62
FLXINN    .FTN;61
FLXIN2    .FTN;70
FLXIN3    .FTN;3
FLXMAN    .FTN;46
FLXOUN    .FTN;24
FLXOUT    .FTN;21
FLXPRO    .FTN;231
FLXPR2    .FTN;161
FLXPR3    .FTN;5
FLXWRN    .FTN;15
FLXWRT    .FTN;36
FLXWRTO   .FTN;1
FORCET    .FTN;11
FRELAB    .FTN;5
FRENOR    .FTN;123
FRENR2    .FTN;106
FRENR3    .FTN;12
FREPRO    .FTN;31
HISTO     .FTN;1
HISTO3    .FTN;1
HSAVE2    .FTN;35
ICDTAB    .FTN;46
IFTEXT    .FTN;10
ILIN      .FTN;23
ILIN2     .FTN;3
INTERP    .FTN;16
IPTEXT    .FTN;5
LABMAN    .FTN;60
LABROB    .FTN;7
LOADNE    .FTN;1
LSF       .FTN;40
LSFLIN    .FTN;25
LSF2      .FTN;4
MERGEH    .FTN;42
MERGES    .FTN;51
MERGEV    .FTN;45
MINUS1    .FTN;11
MODSTEST  .FTN;1
MULTI     .FTN;32
NEWFIL    .FTN;1
OPROP1    .FTN;1
OPROP2    .FTN;1
OPROP3    .FTN;1
OPROP4    .FTN;1
OPROP5    .FTN;1
OWPROP    .FTN;1
RCON      .FTN;1
READEL    .FTN;1
RFTEXT    .FTN;4
RPTEXT    .FTN;30
RTTST     .FTN;71
SCAFTS    .FTN;13
 CALMN    .FTN;15
SCAPFL    .FTN;12
SCATER    .FTN;20
SCATERO   .FTN;1
```

```
SCATSN    .FTN;13
SCATSNO   .FTN;1
SPECTR    .FTN;1
SPEC2     .FTN;1
SPLOTA    .FTN;1
SPLOTM    .FTN;1
SPLOTN    .FTN;1
SPLOTP    .FTN;2
SPLOTQ    .FTN;1
SPLOT1    .FTN;1
SPLOT2    .FTN;1
SPLOT3    .FTN;1
SPLOT4    .FTN;1
SPLOT5    .FTN;1
SPLOT6    .FTN;1
SPLOT7    .FTN;1
SPLOT8    .FTN;1
SPPLOT    .FTN;6
STATIN    .FTN;33
STEST     .FTN;2
STEST     .FTN;1
STRIP     .FTN;50
STRIPA    .FTN;35
STRIPD    .FTN;23
SVERSE    .FTN;114
SVERSE    .FTN;113
SVERSEO   .FTN;1
TAR       .FTN;26
TDMP      .FTN;24
TESTVS    .FTN;102
THREEP    .FTN;7
TIMCHG    .FTN;20
TIMEC     .FTN;16
TIMPLT    .FTN;11
TODISK    .FTN;12
TPM       .FTN;43
TPMA      .FTN;10
TPMA2     .FTN;2
TRANSF    .FTN;1
TSTCOR    .FTN;25
TSURC2    .FTN;15
TWOONE    .FTN;11
UREAM     .FTN;4
WFTEXT    .FTN;2
Z         .FTN;1
ZBEGIN    .FTN;1
ZIDENT    .FTN;2
ZPROC     .FTN;1
ABE       .HLP;2
OWPHS6B   .IS ;1
HIMPPARM  .LBL;12
DIR       .LST;2
TYCHO     .LST;4
T2        .LST;1
MODSIZ    .MAC;3
ABE       .MSG;11
LXFIT     .ODL;3
LXFT3     .ODL;2
FLXMAN    .ODL;22
FLXWRN    .ODL;7
```

```
FLXWRT    .ODL;4
FRENOR    .ODL;3
NEWTIM    .ODL;1
OWPROP    .ODL;1
SCATER    .ODL;3
SCATER77  .ODL;1
SPECTR    .ODL;1
SPPLOT    .ODL;1
SPPLO2    .ODL;1
TEST2     .PHA;5
27JNH8    .SPQ;1
29JNH8    .SPQ;4
29JNL8    .SPQ;1
ICRESP1   .TAB;7
TEKCPY    .TEK;10
SAVE      .TMP;3
V2ENC     .TRJ;13
SPPLOT    .ULB;1
FLXMAN    .UMD;10
NEWTIM    .UMD;15
OWPROP    .UMD;1
SCATER    .UMD;1
SPECTR    .UMD;31
SPPLOT    .UMD;15
TAPEIN    .UMD;11
THREEP    .UMD;10
 324. Files selected          324. Files total
```

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```
 ** RD1:[200,102] 20-FEB-88 12:33
BOBRD1.LIS=RD1:[200,102]*.*
  PARM      .BIN;42
```

```
PARM       .BIN;41
VECTR2     .BIN;42
VECTR2     .BIN;41
FLXFSS     .BIS;1
NEWTSS     .BIS;1
BB45HE     .CHN;2
I7HICH     .CHN;2
I7LOCH     .CHN;2
I7TEST     .CHN;1
I8HICH     .CHN;2
I8LOCH     .CHN;2
I8TEST     .CHN;1
VHISTO     .CHN;2
VLETCH     .CHN;2
ICDTAB     .CMD;11
ICDTBF     .CMD;12
SCATER     .CMD;1
SVERSE     .CMD;5
ABDAT      .DAT;4
ABDAT2     .DAT;6
ABDAT3     .DAT;10
ACSLOP     .DAT;11
ANSTRP1    .DAT;22
BASION     .DAT;1
BBHHEI     .DAT;1
BBMDHE     .DAT;2
BBMDHV     .DAT;2
BBMDOL     .DAT;12
BB45HE     .DAT;3
BB45LU     .DAT;1
BB45W      .DAT;1
BB451I     .DAT;3
CPME       .DAT;4
DATRNG     .DAT;20
DUMMY      .DAT;4
EVAALNWC   .DAT;4
EVAALWC    .DAT;3
EVAPRNWC   .DAT;2
EVAPRWC    .DAT;2
FLRALNWC   .DAT;3
FLRALP     .DAT;3
FLRALWC    .DAT;3
FLRA75     .DAT;3
FLRPRNWC   .DAT;4
FLRPRO     .DAT;10
FLRPRWC    .DAT;3
FLRTEMP    .DAT;1
FLXTST     .DAT;3
FLXWR2     .DAT;1
GAMSPECM   .DAT;7
HELA       .DAT;2
HIGHFE     .DAT;1
HIMPPARM   .DAT;155
ICEVENT    .DAT;7
LABEL      .DAT;3
LARGE      .DAT;2
LARGEL     .DAT;2
LARGE6     .DAT;1
LFLUXL     .DAT;12
MAXFLUX    .DAT;33
```

```
MAXFLUXO .DAT;1
MCHRN1   .DAT;4
MEDFE    .DAT;1
ORBIT1   .DAT;6
PASLOP   .DAT;6
PASS1A   .DAT;3
PASS2A   .DAT;1
PASS3A   .DAT;2
PASS4A   .DAT;1
PCSLOP   .DAT;4
RICHCO   .DAT;3
RNGENI   .DAT;12
RNGENM   .DAT;2
RNGEN0   .DAT;22
RNGEN1   .DAT;6
RNGEN2   .DAT;6
RNGEN3   .DAT;1
RNGEN4   .DAT;120
RNGMED   .DAT;1
RNGPRM   .DAT;2
RNGPRS   .DAT;21
RNGPRT   .DAT;211
RNGPR7   .DAT;4
RNGPR8   .DAT;4
SAMPLE   .DAT;54
SCAN6H   .DAT;3
SFAC     .DAT;2
SOLTEST  .DAT;5
SPECTA   .DAT;6
SPECTA   .DAT;5
SPME     .DAT;17
SPMETB   .DAT;2
SPMETK   .DAT;1
SPMIMCBK .DAT;2
SPMIMPBK .DAT;4
SPMIMPB2 .DAT;4
SP19H8   .DAT;2
S2FAC    .DAT;1
S3FAC    .DAT;2
S74S7810 .DAT;1
T2       .DAT;1
ZIDENA   .DAT;7
ZIDENS   .DAT;21
ZIDENT   .DAT;21
ZIDTEMP  .DAT;3
ZIDTEST  .DAT;2
ZID20SP  .DAT;3
ZID258   .DAT;1
ZID642   .DAT;1
ZID668   .DAT;1
ZID683   .DAT;3
ZID702   .DAT;1
ZID743   .DAT;1
ZID7474  .DAT;1
ZID765   .DAT;1
ZID7778  .DAT;2
ZID7979  .DAT;1
ZID809   .DAT;1
ZTEST    .DAT;3
Z1       .DAT;2
```

```
01SE71MQ .DAT;1
01SE71MX .DAT;1
74263L6  .DAT;2
BOX      .DFR;3
CINIT    .DFR;5
COMAND   .DFR;46
DDATE    .DFR;6
DRAW4    .DFR;24
ESCALE   .DFR;7
NEWPAN   .DFR;35
OTHER    .DFR;14
PINIT    .DFR;32
REPLOT   .DFR;26
SCALE    .DFR;36
TIMIN    .DFR;4
TIMPLT   .DFR;10
TOKEN    .DFR;23
TSCALE   .DFR;13
TSURCH   .DFR;5
FLXFILE  .DOC;1
FLXWRT   .DOC;1
FSPEC    .DOC;121
PDOCUM   .DOC;5
DONSTEST .FLM;2
HEFIP    .FLM;1
HEFIPF   .FLM;1
MAXFLUXN .FLM;1
OXY30    .FLM;3
OXY30F   .FLM;1
BESK     .FOR;1
DFREAD   .FTN;26
DFWRIT   .FTN;13
DFWRT2   .FTN;40
FILTER   .FTN;3
FLXMAN   .FTN;63
ICDTAB   .FTN;36
ICDTAB   .FTN;35
LABROB   .FTN;13
RPTEXT   .FTN;27
RTTST    .FTN;62
SCAFTS   .FTN;12
SCALMN   .FTN;24
SCATER   .FTN;17
SCATER   .FTN;16
SCATSN   .FTN;13
STRIPD   .FTN;23
SVERSE   .FTN;111
HIMPPARM .LBL;5
BESK     .OBJ;1
IFTEXT   .OBJ;1
IPTEXT   .OBJ;1
LSFLIN   .OBJ;1
NDREAD   .OBJ;3
NDWRITE  .OBJ;5
RPTEXT   .OBJ;1
SCAFTS   .OBJ;1
SCAPFL   .OBJ;1
SCATER   .OBJ;1
SCATSN   .OBJ;1
TIMEC    .OBJ;2
```

```
TSURC2    .OBJ;1
UREAM     .OBJ;1
FLXWSS    .ODL;1
SCATER    .ODL;1
BB4501    .REN;2
VD1E25    .RMN;1
TAPEIN    .UMD;11
 188. Files selected        188. Files total
```

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```
 **  DU0:[200,102] 20-FEB-88 12:34
BOBDU0.LIS=[200,102]*.*
  KDEBUG    .ASC;2
  KDEBUG    .ASC;1
  CRGRPSRD  .BIS;2
  CRSPAC    .BIS;7
  FLXCRF    .BIS;1
  FLXFIT    .BIS;11
  FLXFTF    .BIS;1
  FLXFT3    .BIS;4
  FLXMAN    .BIS;25
  FLXWRN    .BIS;5
  FLXWRT    .BIS;10
  FMAN04    .BIS;6
  LIBLST    .BIS;4
  LIBLS3    .BIS;1
  LIBSRD    .BIS;4
  NEWTIM    .BIS;12
  OWBAS     .BIS;1
  OWPROP    .BIS;2
  OWPR1     .BIS;1
  RMENER    .BIS;2
  RNGENG    .BIS;2
  SCATER    .BIS;12
  SCATER77  .BIS;1
  SPPLOT    .BIS;1
```

```
TAPEIN    .BIS;2
BB45HE    .CHN;2
I7HICH    .CHN;2
I7LOCH    .CHN;2
I7TEST    .CHN;1
I8HICH    .CHN;2
I8LOCH    .CHN;2
I8TEST    .CHN;1
VHISTO    .CHN;2
VLETCH    .CHN;2
BACKUP    .CMD;6
BACKUS    .CMD;7
BAKSUB    .CMD;4
BINMAN    .CMD;3
BINTAB    .CMD;1
DETLOD    .CMD;1
ENAVG     .CMD;4
ENMAT     .CMD;3
EXPAND    .CMD;2
FILTER    .CMD;1
FITER     .CMD;1
FIXBLK    .CMD;1
FLXCOR    .CMD;30
FLXCRF    .CMD;20
FLXFIT    .CMD;22
FLXFR2    .CMD;4
FLXFR3    .CMD;4
FLXFR4    .CMD;4
FLXFT3    .CMD;2
FLXMAF    .CMD;13
FLXMAN    .CMD;32
FLXWRF    .CMD;2
FLXWRN    .CMD;7
FLXWRT    .CMD;22
FORCET    .CMD;2
FOURER    .CMD;2
FRENOR    .CMD;12
FRENR2    .CMD;11
FRENR3    .CMD;1
FXBLK2    .CMD;4
FXBLK3    .CMD;2
HSAVE2    .CMD;2
ICDTAB    .CMD;11
ICDTBF    .CMD;15
IMPANL    .CMD;1
IMPFLX    .CMD;2
IMPRAT    .CMD;1
INTERP    .CMD;2
LABMAN    .CMD;6
LABROB    .CMD;2
LIBLST    .CMD;31
LIBLS3    .CMD;3
LIBSRD    .CMD;5
LINEAR    .CMD;1
MATRIX    .CMD;1
MERGEH    .CMD;2
MERGES    .CMD;4
MERGEV    .CMD;2
MESS      .CMD;1
MINUS1    .CMD;4
```

```
MULTI     .CMD;5
NARROW    .CMD;1
NEWTIM    .CMD;3
NEWTMF    .CMD;4
OWPROP    .CMD;1
REVISE    .CMD;1
RNGENA    .CMD;1
RNGENG    .CMD;1
RNGPRA    .CMD;1
RNGPRT    .CMD;1
RTTST     .CMD;10
RTTSTF    .CMD;16
SCALMN    .CMD;3
SCASTB    .CMD;2
SCATEF    .CMD;4
SCATER    .CMD;2
SCATER77  .CMD;1
SCAT77    .CMD;2
SPPLOT    .CMD;3
SPPLTF    .CMD;1
START     .CMD;3
START     .CMD;2
STATIN    .CMD;2
STRIP     .CMD;5
STRIPA    .CMD;3
STRIPAT   .CMD;3
STRIPAT   .CMD;2
STRIPD    .CMD;4
STRIPLST  .CMD;3
STRIPLST  .CMD;2
STRIP2    .CMD;2
SVERSE    .CMD;5
SVERSF    .CMD;25
TAPEIN    .CMD;1
TAR       .CMD;10
TDMP      .CMD;6
TDUMP     .CMD;5
TEMP      .CMD;13
TESTVF    .CMD;4
TESTVS    .CMD;4
TIMCHG    .CMD;3
TODISK    .CMD;2
TPFOH7    .CMD;1
TPFOH8    .CMD;1
TPFOL7    .CMD;1
TPFOL8    .CMD;1
TPFORV    .CMD;1
TPFOVC    .CMD;1
TPM       .CMD;5
TPMA      .CMD;1
TPMA2     .CMD;1
TSTCOR    .CMD;1
UTEMP     .CMD;32
WIDE      .CMD;1
XFER      .CMD;1
EVMAST    .DAT;2
FIXBLK    .DAT;15
FLXWRT    .DAT;10
FOR002    .DAT;1
FOR008    .DAT;1
```

```
F7          .DAT;2
OUTLIST     .DAT;16
RNGEN2      .DAT;1
TEMP        .DAT;4
TEMP2       .DAT;4
TIMELARG    .DAT;4
T1          .DAT;13
T1          .DAT;12
T10         .DAT;2
T2          .DAT;11
T2          .DAT;10
T3          .DAT;12
T3A         .DAT;2
T370        .DAT;3
T370        .DAT;2
T380        .DAT;3
T380        .DAT;2
T381        .DAT;1
T4          .DAT;15
T5          .DAT;2
T6          .DAT;2
T7          .DAT;3
VOY2DAY     .DAT;1
VOY3HR      .DAT;1
EVMAST4     .FLM;2
EXI7FLU0    .FLM;1
EXI8FLU0    .FLM;1
EXI8FLU1    .FLM;2
EXI8FLU1    .FLM;1
F82         .FLM;2
F82         .FLM;1
F83         .FLM;1
F84         .FLM;1
F85         .FLM;1
HILARYDF    .FLM;1
HILARY2A    .FLM;3
HILARY2B    .FLM;1
ICPOS       .FLM;3
I7LALEF0    .FLM;1
I7LALEV0    .FLM;1
I7LALEV2    .FLM;1
I8LALEF0    .FLM;1
I8LALEF1    .FLM;1
I8LALEV0    .FLM;1
I8LALEV1    .FLM;2
I8LALEV1    .FLM;1
I8LALEV2    .FLM;1
I8LALSAT    .FLM;1
I8LALTFL    .FLM;1
I8LALTHR    .FLM;2
I8LALTH0    .FLM;1
NWI7FLU0    .FLM;1
NWI78BK     .FLM;1
NWI8FLU0    .FLM;1
NWI8FLU1    .FLM;2
NWI8FLU1    .FLM;1
T1          .FLM;3
T1          .FLM;2
T170        .FLM;1
T180        .FLM;1
```

```
T181        .FLM;1
T2          .FLM;1
T270        .FLM;1
T280        .FLM;1
T281        .FLM;1
X0          .FLM;1
X1          .FLM;1
Y0          .FLM;1
Y1          .FLM;1
Z1          .FLM;1
Z2          .FLM;1
Z2A         .FLM;1
Z3          .FLM;1
Z4          .FLM;1
Z5          .FLM;1
Z6          .FLM;1
Z7          .FLM;1
Z8          .FLM;1
SVERSE      .FOR;4
SVERS2      .FOR;1
BAKSUB      .FTN;73
BESFIT      .FTN;1
BINMAN      .FTN;50
BINTAB      .FTN;1   *
BUFR        .FTN;2
DETLOD      .FTN;1   *
DFREAD      .FTN;37    VSN 26 is on RD1
DFWRIT      .FTN;16    VSN 13   "   "
DFWRT2      .FTN;41    VSN 40   "   "
DRAWEL      .FTN;21
DRAW3       .FTN;1
ENAVG       .FTN;77
ENMAT       .FTN;41
EXPAND      .FTN;5
FILTER      .FTN;3   *
FIT         .FTN;1
FITER       .FTN;1
FIXBLK      .FTN;13  *
FLCMD       .FTN;1
FLIP        .FTN;11
FLXCOM      .FTN;1
FLXCOR      .FTN;35
FLXFIT      .FTN;42
FLXFIX      .FTN;3
FLXFR3      .FTN;26
FLXFR4      .FTN;60
FLXFT3      .FTN;5
FLXIN       .FTN;13
FLXINI      .FTN;102
FLXINN      .FTN;57  *;61;62 on DBØ
FLXIN2      .FTN;70
FLXIN3      .FTN;3
FLXMAN      .FTN;63  *;46 on DBØ
FLXOUN      .FTN;24
FLXOUT      .FTN;21
FLXPRO      .FTN;231
FLXPR2      .FTN;161
FLXPR3      .FTN;5
FLXTST      .FTN;3
FLXTST      .FTN;2
```

FLXTST .FTN;1 *
FLXWRN .~~FTN;15~~
FLXWRT .~~FTN;36~~
FLXWRTO .~~FTN;1~~
FORCET .~~FTN;11~~
FOURER .FTN;1 *
FRELAB .~~FTN;5~~
FRENOR .~~FTN;123~~
FRENR2 .~~FTN;106~~
FRENR3 .~~FTN;12~~
FREPRO .~~FTN;31~~
FXBLK2 .FTN;22 *
FXBLK3 .FTN;4
HSAVE2 .FTN;2 — HISTO.FTN;1, HIST03 " , HSAVE2.FTN;35 } on DBØ
ICDTAB .~~FTN;46~~
IFTEXT .FTN;10
ILIN .~~FTN;23~~
ILIN2 .~~FTN;3~~ — VSNS 35,36 one on RD1
IMPANL .FTN;1 *
IMPFLX .FTN;1
IMPRAT .FTN;1
INTERP .~~FTN;16~~
IPTEXT .~~FTN;5~~
LABMAN .~~FTN;60~~
LABROB .FTN;7 — VSN 13 ∞ on RD1
LINEAR .FTN;1 *
LOADNE .~~FTN;1~~
LSF .~~FTN;40~~
LSFLIN .~~FTN;25~~
LSF2 .~~FTN;4~~
MATRIX .FTN;1 *
MERGEH .FTN;44 VSN 42 on DBØ
MERGES .~~FTN;51~~
MERGEV .~~FTN;45~~
MINUS1 .~~FTN;11~~
MODSTEST .~~FTN;1~~
MULTI .~~FTN;32~~
NEWFIL .~~FTN;1~~
OPROP1 .~~FTN;~~1
OPROP2 .~~FTN;~~1
OPROP3 .~~FTN;~~1
OPROP4 .~~FTN;~~1
OPROP5 .~~FTN;~~1
OWPROP .~~FTN;~~1 RCON.FTN;1 on DBØ
READEL .~~FTN;1~~
REVISE .FTN;1
RFTEXT .~~FTN;4~~
RNGENA .FTN;1 } *
RNGENG .FTN;1
RNGPRA .FTN;1
RNGPRT .FTN;1
RPTEXT .~~FTN;30~~ — VSN 27 ∞ on RD1
RTTST .~~FTN;71~~ ~~VSN~~ VSN 62 ∞ on RD2
SCAFTS .FTN;14 VSN 13 on DBØ VSN 12 ∞ on RD1
SCALMN .FTN;41 VSN 15 on DBØ VSN 24 ∞ on RD1
SCAPFL .~~FTN;12~~
SCATER .~~FTN;20~~ VSN 16,17 on RD1
SCATERO .~~FTN;1~~
SCATSN .~~FTN;13~~
SCATSNO .~~FTN;1~~

```
SPLOTA    .FTN;1    * SPECTR.FTN;1 on DBØ
SPLOTM    .FTN;1    SPEC2.FTN;1  "
SPLOTN    .FTN;1
SPLOTP    .FTN;2
SPLOTQ    .FTN;1
SPLOT1    .FTN;1
SPLOT2    .FTN;1
SPLOT3    .FTN;1
SPLOT4    .FTN;1
SPLOT5    .FTN;1
SPLOT6    .FTN;1
SPLOT7    .FTN;1
SPLOT8    .FTN;1
SPPLOT    .FTN;2 * VSN 6 on DBØ
STATIN    .FTN;33
STEST     .FTN;1  * VSN 2 on DBØ
STRIP     .FTN;55 * VSN 50 on DBØ
STRIP     .FTN;54
STRIPA    .FTN;36 * VSN 35 on DBØ
STRIPAT   .FTN;10 *
STRIPAT   .FTN;7  *
STRIPD    .FTN;23
STRIP2    .FTN;1
SVERSE    .FTN;1 VSN 114, 113 on DBØ, VSN 111 on RD1
SVERSEO   .FTN;1
TAPEIN    .FTN;2
TAR       .FTN;26
TDMP      .FTN;24
TDUMP     .FTN;15
TEMP      .FTN;1
TESTVS    .FTN;102
TIMCHG    .FTN;20 * THREEP.FTN;7 on DBØ
TIMEC     .FTN;16
TIMPLT    .FTN;1 * TIMPLT.FTN;11 on DBØ
TODISK    .FTN;12
TPFOH7    .FTN;1
TPFOH8    .FTN;1
TPFOL7    .FTN;1
TPFOL8    .FTN;1
TPFORV    .FTN;1
TPFOVC    .FTN;1
TPM       .FTN;43
TPMA      .FTN;10
TPMA2     .FTN;2
TRANSF    .FTN;1
TSTCOR    .FTN;25
TSURC2    .FTN;15
TWOONE    .FTN;11
UREAM     .ETN;4
WFTEXT    .FTN;2
Z         .FTN;1    ZBEGIN.FTN;1
PLOT      .LAS;1    ZIDENT.FTN;2   } on BBØ
FLXWRT    .LST;1    ZPROC.FTN;1
STRIPAT   .LST;5
STRIPAT   .LST;4
FLXMAN    .MAP;5
STRIP     .OBJ;4
STRIP     .OBJ;3
STRIPAT   .OBJ;6
STRIPAT   .OBJ;5
```

```
TIMEC      .OBJ;1
TSURC2     .OBJ;1
Z          .OBJ;1
FLXFIT     .ODL;4
FLXFT3     .ODL;2
FLXMAN     .ODL;30
FLXWRN     .ODL;10
FLXWRT     .ODL;4
FRENOR     .ODL;3
NEWTIM     .ODL;3
NEWT4P     .ODL;1
OWPROP     .ODL;1
SCATER     .ODL;4
SCATER77   .ODL;1
SCAT4P     .ODL;1
SCAT77     .ODL;1
SPLTVG     .ODL;1
SPPLOT     .ODL;3
SPPLOTVG   .ODL;1
TAPEIN     .ODL;3
SAVE       .TMP;43
V2ENC      .TRJ;16
BINTAB     .TSK;1
DETLOD     .TSK;1
FIXBLK     .TSK;6
FLXFIT     .TSK;1
FLXFR4     .TSK;3
FLXMAN     .TSK;16
FLXMAN     .TSK;15
FLXMANO    .TSK;1
FLXWRN     .TSK;4
FLXWRN     .TSK;3
FXBLK2     .TSK;13
FXBLK3     .TSK;2
LINEAR     .TSK;1
MERGEH     .TSK;1
NEWTIM     .TSK;4
NEWTIM     .TSK;3
OWPROP     .TSK;1
REVISE     .TSK;1
RMENER     .TSK;1
RNGENA     .TSK;1
RNGENG     .TSK;1
RNGPRT     .TSK;2
SCALMN     .TSK;5
SCATER     .TSK;13
SCATER     .TSK;12
SPECTR     .TSK;1
SPPLOT     .TSK;4
STATIN     .TSK;12
STRIP      .TSK;2
STRIPA     .TSK;1
STRIPAT    .TSK;3
STRIPAT    .TSK;2
STRIPLST   .TSK;2
STRIPLST   .TSK;1
STRIP2     .TSK;2
TAPEIN     .TSK;3
TAPEIN     .TSK;2
TAR        .TSK;3
```

```
   TAR         .TSK;2
   TDUMP       .TSK;10
   THREEP      .TSK;1
   TPM         .TSK;2
   GLSWS       .ULB;1
   MISC        .ULB;1
   NEWTRM      .ULB;2
   ORPHAN      .ULB;2
   RMENER      .ULB;1
   RNGENG      .ULB;2
   SCATER      .ULB;1
   SPECTR      .ULB;1
   SPEMAN      .ULB;2
   SPEPLT      .ULB;1
   SPPLOT      .ULB;1
   TAPEIN      .ULB;2
   THEORY      .ULB;1
   THREEP      .ULB;1
   UNKNOW      .ULB;1
   FLXMAN      .UMD;10
   GLSWS       .UMD;10
   MISC        .UMD;5
   NEWTIM      .UMD;15
   ORPHAN      .UMD;6
   OWPROP      .UMD;1
   RMENER      .UMD;11
   RNGENG      .UMD;11
   SCATER      .UMD;6
   SPECTR      .UMD;31
   SPEMAN      .UMD;7
   SPEPLT      .UMD;7
   SPPLOT      .UMD;15
   TAPEIN      .UMD;11
   THEORY      .UMD;11
   THREEP      .UMD;10
   UNKNOW      .UMD;10
   TESTVL      .VLT;1
481. Files selected          481. Files total
```

```
DIRECTORY DUC:[7,10,1021]
9-FEB-88 16:29

RMFMFR.BIS;2          1.      27-FEB-86  13:50
SPPLOT.BIS;1          1.      03-NOV-85  17:06
ITPSRD.BIS;4          1.      07-JAN-86  17:41
RNGFNC.BIS;2          1.      03-NOV-85  16:56
TAPETR.BIS;2          1.      27-FEB-86  14:08
SCATER.BIS;12         1.      05-JAN-86  15:27
CRGRPSRC.BIS;2        2.      09-NOV-85  19:50
ITPLST.BIS;4          1.      09-NOV-85  19:50
CRSPAC.BIS;7          1.      09-NOV-85  19:50
FIXFT3.BIS;4          1.      09-NOV-85  19:50
FMAN04.BIS;6          1.      09-NOV-85  19:50
ITRLS3.BIS;1          1.      09-NOV-85  19:50
FIXFTF.BIS;1          1.      09-NOV-85  19:50
FIXCRF.BIS;1          1.      09-NOV-85  19:50
OVRAS.BIS;1           1.      09-NOV-85  19:50
OVPR1.BIS;1           1.      09-NOV-85  19:50
OVPROF.BIS;2          1.      09-NOV-85  19:50
FIXMRT.BIS;10         1.      09-NOV-85  19:50
FIXMRN.BIS;5          1.      09-NOV-85  19:50
SCATER77.BIS;1        1.      09-NOV-85  19:50
FIXFTT.BIS;11         1.      09-NOV-85  21:58
MFUPTM.BIS;12         2.      09-NOV-85  19:51
FIXMAN.BIS;25         2.      07-JAN-86  13:16

TOTAL OF 26./28. BLOCKS IN 23. FILES
```

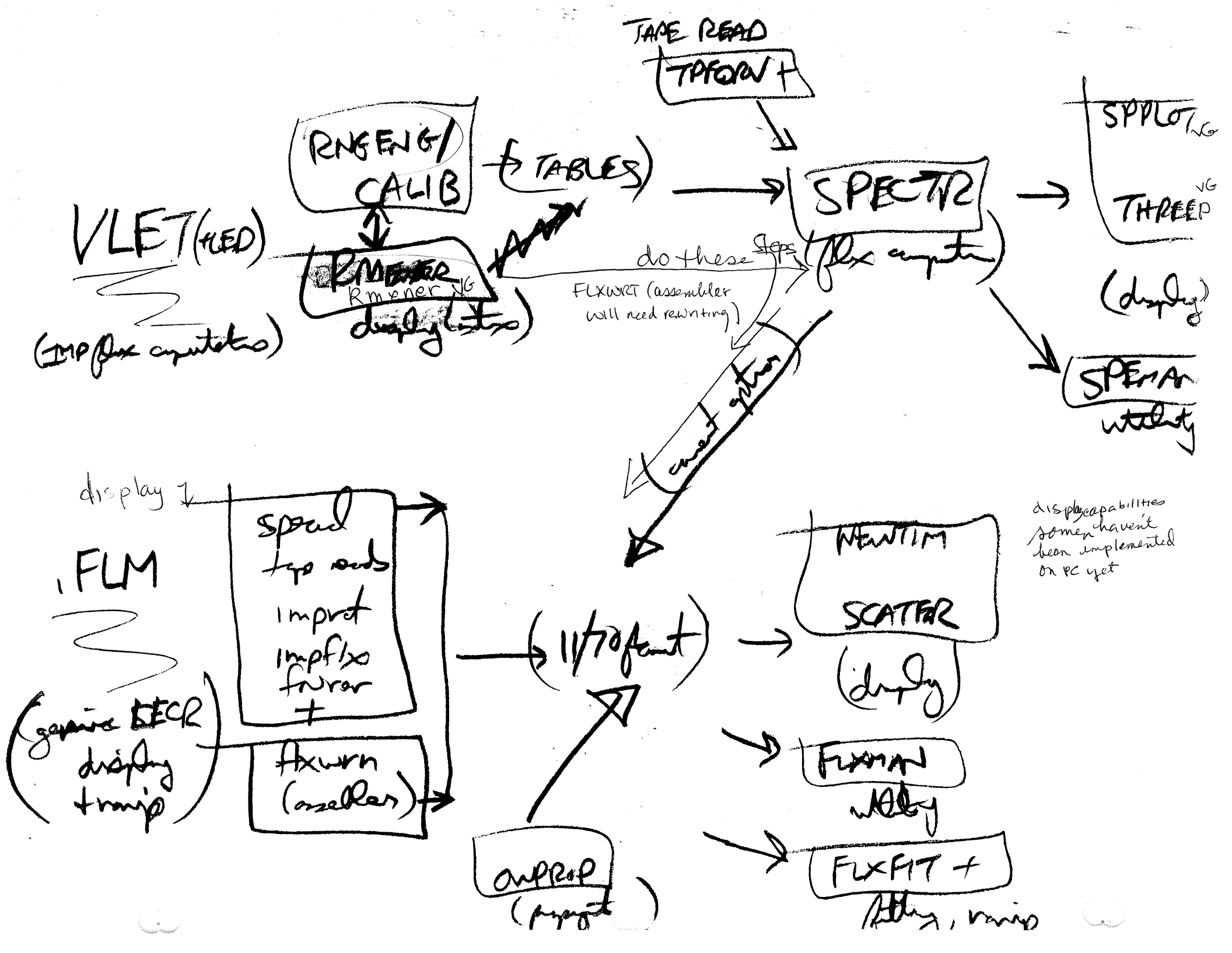
Batch files

DBO:
SPECTR.BIS

*.CHN files are what SPECTR reads

span address

LHEAVX


TAPE READ
TPFORM +
RNGENG/
CALIB
(TABLES)
SPECTR
(flx computation)
SPPLOT VG
THREEP VG
(display)
SPEMAN
utility
VLET (FLED)
(IMP flx computation)
RMENER
Rmener VG
display (stops)
do these steps
FLXWRT (assembler
will need rewriting)
event selection
display ?
FLM
(genius BEGR
display
trouble)
spsel
typ subs
imprd
impflxo
fwrar
+
flxwrn
(assembler)
(11/70 fmt)
NEWTIM
SCATTER
(display)
FLXMAN
utility
FLXFIT +
fitting, manip
OUTPROP
(report)
display capabilities
some haven't
been implemented
on PC yet

Bob returns Tues 23

```
PDS> DIR *.TSK

Directory DU0:[200,102]
9-FEB-88 10:19

FLXWRN.TSK;4          144.    C  27-FEB-86 13:51
TPM.TSK;2             73.     C  27-FEB-86 13:53
FLXMANO.TSK;1         411.    C  09-NOV-85 21:44
TAR.TSK;3             74.     C  27-FEB-86 13:54
STRIPLST.TSK;2        85.     C  14-AUG-87 09:56
TAPEIN.TSK;3          428.    C  27-FEB-86 14:15
STRIPA.TSK;1          94.     C  07-JAN-86 15:29
FLXFR4.TSK;3          78.     C  03-JAN-86 11:44
FIXBLK.TSK;6          33.     C  08-JAN-86 12:05
STATIN.TSK;12         82.     C  09-MAY-86 14:02
FXBLK3.TSK;2          64.     C  13-AUG-86 18:29
FXBLK2.TSK;13         46.     C  13-AUG-86 18:36
SCALMN.TSK;5          82.     C  06-JUN-86 11:26
STRIP2.TSK;2          85.     C  06-JUN-86 18:02
SCATER.TSK;13         106.    C  05-JAN-86 15:32
TDUMP.TSK;10          65.     C  15-OCT-86 09:35
NEWTIM.TSK;4          140.    C  09-NOV-85 20:03
MERGEH.TSK;1          77.     C  09-NOV-85 21:27
OWPROP.TSK;1          128.    C  09-NOV-85 22:03
SPECTR.TSK;1          153.    C  09-NOV-85 22:09
THREEP.TSK;1          81.     C  09-NOV-85 22:12
FLXFIT.TSK;1          124.    C  09-NOV-85 22:15
RNGENG.TSK;1          49.     C  09-NOV-85 22:17
RNGENA.TSK;1          57.     C  09-NOV-85 22:19
RNGPRT.TSK;2          57.     C  09-NOV-85 22:20
DETLOD.TSK;1          52.     C  09-NOV-85 22:21
LINEAR.TSK;1          41.     C  09-NOV-85 22:22
REVISE.TSK;1          66.     C  09-NOV-85 22:23
BINTAB.TSK;1          46.     C  09-NOV-85 22:24
STRIP.TSK;2           85.     C  09-NOV-85 22:26
RMENER.TSK;1          91.     C  09-NOV-85 23:50
SPPLOT.TSK;4          105.    C  10-NOV-85 00:16
FLXMAN.TSK;16         399.    C  07-JAN-86 15:45
STRIPAT.TSK;3         86.     C  30-OCT-87 18:08

Total of 3787./3787. blocks in 34. files

PDS> DIR *.DOC

PIP -- No such file(s)


PDS> DIR DB0:*.DOC

Directory DB0:[200,102]
9-FEB-88 10:20

TAPE11.DOC;7          7.          18-JAN-85 11:15

Total of 7./7. blocks in 1. file

PDS> DIR RD1:*.DOC

Directory RD1:[200,102]
9-FEB-88 10:20

FSPEC.DOC;121         43.         26-APR-84 18:26
PDOCUM.DOC;5          21.         04-SEP-84 23:33
```

(Also need *.BIS)

(Also run LIBSRD)

```
FLXFILE.DOC;1        13.        04-SEP-84 23:33
FLXWRT.DOC;1         15.        04-SEP-84 23:33

Total of 92./92. blocks in 4. files
```

PDS> TYPE RD1:PDOCUM.DOC
******** [200,102]PDOCUM.DOC ********

THIS FILE HAS BEEN CREATED TO CONTAIN AN OVERVIEW OF THE PROGRAM STRUCTURE FOR HANDLING IMP DATA IN [200,102]. TWO BASIC DATA ANALYSIS SYSTEMS EXIST: THE IMP SPECTR SYSTEM, WHICH WAS THE ORIGINAL SERIES OF PROGRAMS FOR ANALYZING IMP DATA ON THE 11/70 AND FLXPLT-TIMPLT SYSTEM, WHICH IS BASED ON THE FILE CONVENTIONS ESTABLISHED FIRST BY TOM CONLON AND LATER MODIFIED BY BOB MCGUIRE AND DON REAMES.

SOME NOTES ON THE PROGRAMS AS WELL AS ARCHIVAL NOTES WERE ADDED 4/84 WHEN THE INITIAL UMD AND ULB LIBRARIES WERE CREATED.

******** IMP SPECTR SYSTEM ********

1. TABLE GENERATION PROGRAMS:

RNGENG : USES THE MCGUIRE MODIFIED VERSIONS OF THE BARKAS-BERGER RANGE-ENERGY CALCULATIONS TO BUILD A TABLE (E.G. BB4501.REN) GIVING RANGES AS A FUNCTION OF LOG SPACED ENERGIES FOR A SELECTION OF INCIDENT NUCLEI AND SOME STANDARD SET OF 4 MATERIALS (I.E., MYLAR,TI,AL,SI). THE OUTPUT FILE IS NOT DETECTOR DEPENDENT.

RNGPRT : READS THE RNGENG TABLES AS IN THE KINSEY PROGRAM AND GENERATES TABULAR LISTING OF DEPOSITED ENERGY AND CHANNEL NUMBER FOR SPECIFIED ARRAYS OF DETECTORS. RNGENG + RNGPRT = THE FUNCTION OF THE KINSEY PROGRAM.

RNGENA : RNGENA IS A VERSION OF RNGENG THAT IS CLOSER TO THE ORIGINAL BARKAS-BERGER, KINSEY CALCULATION (I.E., NO NUMERICAL INTEGRAL) THAT CAN ALSO BE USED TO GENERATE TABLES (E.G., FOR THE IMP MED).

RNGPRA : VERSION OF RNGPRT TO WORK WITH RNGENA

DETLOD : READS THE RNGENG TABLES AND CREATES TABLES (*.CHN STYLE FILES), ONE FOR EACH DETECTOR (E.G., VLET, I8LD,I7LH), MAPPING CHANNEL NUMBERS FOR SPECIFIED NUCLEI TO INCIDENT ENERGIES. THE PROGRAM SPECTR USES *.CHN FILES TO PROCESS INPUT DATA FILES FROM, E.G., TPFORV,TPFOL7,ETC.

BINTAB : CALCULATES THE CORRECTION FACTOR TO FLUXES GENERATED BY SPECTR FOR THE MISMATCH BETWEEN TRUE CHANNEL BOUNDARIES AND THE LOG SPACED ENERGY CHANNELS WHICH SPECTR REQUIRES ALL DATA TO FIT.

(.SPQ files are input)

2. DATA INPUT PROGRAMS

TPFORV :
TPFOL7 :
TPFOL8 :
TPFOH7 :
TPFOH8 :
TPFOVC :

(LD, LH; tinsum outputs; extract Vlet from CNTS)

3. MAIN SPECTRAL ANALYSIS PROGRAM AND UTILITIES:

RMENER : PROGRAM TO PLOT SAMPLE MATICES ON VG OVERLAYED WITH RESPONSE CURVES CALCULATED FROM THE RNGENG TABLES. WILL ALSO PLOT (WITHIN LIMITS) MATRIX DATA FORMATTED FROM THE INTERNAL SPECTA.DAT FILE FORMAT USED BY SPECTR.

SPECTR : SPECTR IS THE PRIMARY SPECTRAL ANALYSIS PROGRAM. IT ACCEPTS DATA IN THE VARIOUS .VLT,.LEH,.LED FILE FORMATS, RECONVERTS THIS DATA TO ITS OWN INTERNAL SPECTA.DAT FORMAT AND PROCESSES THE DATA USING *.CHN FILES TO PRODUCE *.SPR SPECTRAL FILES FOR THE SELECTED TIME AND ATOMIC NUMBER RANGES.

[A PRIOR VERSON OF SPECTR CREATED *.SPP FILES WHICH DIFFER FROM *.SPR FILES IN THAT THE ACTUAL COUNTS IN EACH EVENT TYPE MODE ARE NOT STORED IN THE FILE.]

SPPLOT : PROGRAM TO PLOT SPECTRA AND FITTED FUNCTIONAL FORMS ON THE VG. INPUT ARE FILES IN THE .SPP,.SPR, OR .SPQ FORMAT

possible migrate functionality to PC eventually

4. 3 PARAMETER ANALYSIS AND DISPLAY PROGRAMS:

REVISE : GENERATES THE EXPANDED VERSION OF .CHN FILES MADE BY DETLOD ORIGINALLY WHICH ARE REQUIRED BY THPAMH TO MAKE THE FRACTIONAL CHARGE PLOTS.

BINTAB :

THREEP : VG DISPLAY OF 3-PARAMETER COMPOSITION DATA.

If this can be done by replacing VG functions (lower priority)

5. UTILITY PROGRAMS.

DETECT : COMPUTES DETECTOR GEOMETRY FACTORS FOR NON-UNIFORM DETECTORS.

LINEAR : UTILITY TO AID IN ANALYSIS AND SET UP OF IMP DETECTOR LINEARITY CURVES (FROM CALIBRATIONS) FOR INTEGRATION INTO THE *.CHN TABLES GENERATED BY DETLOD.

MATRIX : PROBABLY USED TO CONVERT SPECTR.DAT FILES INTO A COMPRESSED FORMAT SUITABLE AS INPUT TO RMENER TO CREATE THE BACKGROUND MATRIX DISPLAYS.

*** SPEMAN ***

: AN OVERLAY PROGRAM COMBINING IN 1 TASK FILE A VARIETY OF DIFFERENT UTILITY FUNCTIONS, AS LISTED BELOW.

TIMPLT : TIME AVERAGING OF COMPOSITION DATA OUTPUT BY SPECTR.
[RATIO] : HANDLED OLD FORMAT .SPP FILES. NOW DELETED.
RATIO2 : HANDLES NEW FORMAT .SPQ FILES AND LISTS COUNTS CORRECTLY BUT DOES NOT USE THE BINTAB CORRECTIONS.
RATIO3 : USES IN A PRELIMINARY FASHION THE BINTAB CORRECTIONS.

[SPMRG] : READS THE OLD FORMAT .SPP FILES. NOW DELETED.
SPMRG2 : READS THE NEW FORMAT .SPQ FILES BUT DOES NOT NECESSARILY MERGE THE DATA CORRECTLY. BELIEVED AT TIME OF FINAL ARCHIVE TO BE WORKING CORRECTLY HOWEVER.

COSPFL :

ABENHN : READS AN INPUT FILE (EDI CREATED) WITH COUNTS VERSUS NUCLEI FOR FLARE EVENTS AND CREATES FORMATED LISTING WITH RATIOS TO NOMINAL SOLAR ABUNDANCES AND OTHER EVENT SUMS (THE FIRST INPUT DATA GROUP). A STANDARD INPUT DATA SET NAME HAS BEEN ABDAT.DAT.

******** FLXPLT-TIMPLT SYSTEM ********

1. GENERAL ANALYSIS PROGRAMS.

FLXMAN :
FLXPL2 : [BASED ON CONLON FLXPLT BUT 1 FILE FORMAT]. NOW DELETED.
NEWTIM : [FORMERLY TIMPLT IN 200,105.] D. REAMES MULTIPLE TIME-HISTORY AND SPECTRAL PLOTTING PROGRAM. MODIFIED IN [200,102] TO HANDLE 250 BINS AND IMP PARTICLE LABELS.

2. DATA INPUT PROGRAMS.

IMPFLX :
IMPRAT :
IMPANL :
FOURER :
HSAVE2 : DERIVATIVE OF OLD CONLON HSAVE MODS BUT APPLIED TO ED RONISH ICSAVE PROGRAM.

3. SPECIAL IMP ANALYSIS PROGRAMS.

SPEPLT : MEASURES LED AND MED SLOPES FOR SPECIFIED ENERGY RANGES AND COMPUTES A QUANTITATIVE MISMATCH RATIO BETWEEN THEM. SPEPLT GENERATES A .FLM FORMAT OUTPUT FILE INCLUDING THE SEPARATE AND AVERAGE SPECTRAL SLOPES (POWER LAW) AND THE MISMATCH RATIO ITSELF WITH ERROR BARS.

FLXCOR :
FLXFIT :

4. UTILITY AND MISCELLANEOUS PROGRAMS.

FLXFRM :
FLXFR2 :
LABMAN :
BINMAN :
ENAVG :
MULTI :
SCALMN :
BAKSUB :
LABROB :
MINUS1 :
INTERP :
TIMCHG :
ENMAT :

5. .FLX FILE FORMAT MERGING PROGRAMS.

MERGEH :
MERGEV :
MERGES :

*** FLXMAN ***

: MANY OF THE ABOVE .FLX UTILITIES ARE MERGED IN THE SINGLE OVERLAYED (MASSIVELY) PROGRAM FLXMAN.

******** OTHER PROGRAMS ********

1. THEORETICAL CALCULATIONS AND SIMULATIONS

SIMULP,SIMULV
RCALC

ANAFSK : PROGRAM TO SIMULATE FLARE TIME PROFILES USING THE FISK AND AXFORD ANALYTIC SOLUTION. NOT YET FULLY DEBUGGED.

AVER : GENERAL AVERAGING FROM INPUT (EDI CREATED) FILE.

FITER : LINEAR LEAST SQUARES FITTING USING LSF FORM INPUT (EDI CREATED) FILE.

2. GENERAL UTILITY PROGRAMS.

TAR,TDMP
TPM : TAPE MERGING PROGRAM DERIVED FROM OLD TPMRG. MAIN ADVANTAGE OVER TUTILS IS LARGE BUFFER SIZE AND ABILITY TO ACCURATELY SPACE OVER EMPTY FILES.
TPMA : VERY SHORT TAPE COPY PROGRAM. SET UP WITH LARGE BUFFERS TO MAKE BACKUP FLXWRT TAPES.

3. GENERAL UTILITY .CMD FILE.

BACKUP,BACKUS
LIBLST,LIBLS2
LIBCHK : ANOTHER ORDERED LISTING .CMD FILE

4. OTHER DOCUMENT FILES TO SEE.

FLXFILE.DOC :

******** FORMATION OF THE FORTRAN LIBRARIES ********

THE FOLLOWING ARE BRIEF NOTES SUMMARIZING THE ACTIVITY IN 4/84 TO UTILIZE THE IAS/LBR UNIVERSAL LIBRARY CAPABILITY TO ORGANIZE AND THEN ARCHIVE A LARGE FRACTION OF THE OLD SOURCE CODE IN [200,102]. CONTROL OF THE ARCHIVE/RESTORE PROCESS FOR EACH OF THE FOLLOWING LIBRARIES IS UNDER AN INDIRECT .UMD FILE INVOKED AS IND @PROG.UMD.

GROUP #1:

ORPHAN : CONSISTS OF OLD SUBROUTINES NOW "PROBABLY" NOT ATTACHED TO ANY CURRENT PROGRAM.

ERROR,ERRORS,VGSUBS WERE CREATED TO ALLOW PROGRAMS TO RUN WITH DUMMY VG CALLS.

RQSUBS ALLOWS TERMINAL INPUT OF FUNCTION KEYBOARD COMMANDS.

MISC : HOLDS MISCELLANEOUS UITILITY PROGRAMS.

AVER
[BLANK ACCIDENTALLY DELETED.]
DETECT
RESOL - TESTS VG RESOLUTION.
FITER

UNKNOW : HOLDS PROGRAMS OF UNKNOWN FUNCTION.

CONVRT
RCALC
RNGCON

THEORY : HOLDS OLDER THEORETICAL CALCULATIONS.
A NUMBER OF THESE PROGRAMS MAY NOT
BE FULLY DEBUGGED.

ENLOSS
RANGTM BOTH FROM OLD BERKELEY WORK ON
ENERGY LOSSES IN A HOT PLASMA
(FORMULAS DERIVED FROM SITENKO).
SIMULP
SIMULV CALCULATE EFFECTS OF ALPHA CONTAMINATION
ON 1 PARAMETER PROTON SPECTRA (FOR
COROTATING EVENTS PRIMARILY).
SIMULP FOR RIGIDITY SPECTRA,
SIMULV FOR VELOCITY DISTRIBUTION FUNCTION.
ANAFSK

GLSWS : GLSWS
GLSWS1
STAGLSWS
FITGLSWS

GROUP #2:

RMENER :

RNGENG : CONTAINS A VARIETY OF PROGRAMS RELATED TO THE
CONSTRUCTION AND DISPLAY/MANIPULATION OF THE
MODIFIED BARKAS-BERGER RANGE-ENERGY CALCULATIONS.

RNGENG
RNGPRT MODIFIED BB THEORY CALC AND LISTING.
RNGENA
RNGPRA DERIVED ORIGINAL BB FORMS.
FOR USE WITH HIGHER ENERGY MED DATA.
DETLOD
LINEAR
REVISE
BINTAB
MATRIX

SPECTR :

SPPLOT :

SPEMAN :

GROUP #3:

NEWTIM : MODIFIED REAMES PLOTTING PROGRAM.
NEWTRM LIBRARY NEWTIM CONTAINS THE MODIFIED SUBROUTINES, LIBRARY NEWTRM CONTAINS AN ARCHIVAL COPY OF ALL THE OTHER REAMES ROUTINES (FROM [200,105]) NEEDED TO TASK-BUILD NEWTIM AS OF 4/84.

SPEPLT :

SCATER :

GROUP #4:

TAPEIN :

GROUP #5:

OWPROP :

OTHER NOTES:

THE SUBROUITNE TSURCH (LATER TURNED INTO TSURC2) MAY BE AN ORPHAN AT THIS POINT TOO, ALTHOUGH A SLIGHTLY MODIFED VERSION OF TSURCH IS USED BY DON REAMES IN NEWTIM.

AS TIME PERMITS, THE FOLLOWING CLEANUP ACTIVITIES MAY BE DESIRABLE TO UNDERTAKE:

1. REFORMAT THE FLXMAN MENU AND PROMPTING SYSTEM. THE 19 SEPARATE PROGRAMS IN THE FLXMAN SYSTEM TAKE UP ESSENTIALLY A FULL SCREEN NOW.

2. RE-CLASSIFY AND MERGE FRENOR,FRENR2 (AND FRENR3 WHICH IS ONLY TRIVIALLY MODIFIED FROM FRENR2).

3. FORM A FLXFIT LIBRARY TO HOLD FLXFIT AND FLXCOR.

4. FORM A SINGLE UTILITY PROGRAM FROM TAR,TDMP,TPM AND TPMA TO ECONOMIZE ON DISK SPACE ABSORBED BY THE TASKS.

FLXWRT make 11/70 tape from FLM files

FLXWRN is dependent on Nands DAIO routines which would need to be rewritten for VAX

- SPQ
  - BINTAB
    - ?
      - ?
        - pgm converts output to FLM (for use with FLXWRT)
  - FLM
    - FLXWRT
      - tape dataset to PC

Sept 19, 20 1970 event 2 hrungs Vlet Summary Pgm
Check Boks lib. cntl