

IN,BI
 OUT,BO
 END,L
 BOOTLODR

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SGENLD	01/22/74	1551	SGLDR	TPROG SGIBUF BSTACK \$PUN \$PUB \$LUN \$LUB
VSD00A1	01/22/74	36	D00A1	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD00A2	01/22/74	36	D00A2	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD00A5	01/24/74	36	D00A5	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD10A1	01/24/74	36	D10A1	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD10A2	01/24/74	36	D10A2	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD10A5	01/24/74	36	D10A5	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD DRREAD
VSD20A1	01/24/74	36	D20A1	DRWEOF DRSTAT

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD20A2	01/24/74	36	D20A2	DRSKRD DRSFIL DRRITE DRREWD DRREAD DRWEOF DRSTAT
VSD20A5	01/24/74	36	D20A5	DRSKRD DRSFIL DRRITE DRREWD DRREAD DRWEOF DRSTAT
VSD30A1	01/24/74	36	D30A1	DRSKRD DRSFIL DRRITE DRREWD DRREAD DRWEOF DRSTAT
VSD30A2	01/24/74	36	D30A2	DRSKRD DRSFIL DRRITE DRREWD DRREAD DRWEOF DRSTAT
VSD30A5	01/24/74	36	D30A5	DRSKRD DRSFIL DRRITE DRREWD DRREAD DRWEOF DRSTAT
VSDRAE	01/22/74	256	DRWEOF DRSTAT DRSKRD DRSFIL DRRITE DRREWD	EXTERNAL NAMES IOAS BIRS BIAS
VSD00B	01/22/74	30	D00B	DRREAD DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD DOBCT
VSD01B	01/22/74	30	D01B	DMWEOF DMSTAT DMSKRD DMSFIL

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ID NAME	DATE	SIZE	ENTRY NAMES	DMRITE	DMREWD
VSD02B	01/24/74	30	D02B	DMREAD	D0BCT
				EXTERNAL	NAMES
				DMWEOF	DMSTAT
				DMSKRD	DMSFIL
ID NAME	DATE	SIZE	ENTRY NAMES	DMRITE	DMREWD
VSD03B	01/24/74	30	D03B	DMREAD	D0BCT
				EXTERNAL	NAMES
				DMWEOF	DMSTAT
				DMSKRD	DMSFIL
				DMRITE	DMREWD
ID NAME	DATE	SIZE	ENTRY NAMES	DMREAD	D0BCT
VSD0BCT	01/22/74	6	D0BCT	EXTERNAL	NAMES
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD10B	01/24/74	30	D10B	DMWEOF	DMSTAT
				DMSKRD	DMSFIL
ID NAME	DATE	SIZE	ENTRY NAMES	DMRITE	DMREWD
VSD11B	01/24/74	30	D11B	DMREAD	D1BCT
				EXTERNAL	NAMES
				DMWEOF	DMSTAT
				DMSKRD	DMSFIL
				DMRITE	DMREWD
ID NAME	DATE	SIZE	ENTRY NAMES	DMREAD	D1BCT
VSD12B	01/24/74	30	D12B	EXTERNAL	NAMES
				DMWEOF	DMSTAT
				DMSKRD	DMSFIL
				DMRITE	DMREWD
				DMREAD	D1BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD13B	01/24/74	30	D13B	DMWEOF	DMSTAT
				DMSKRD	DMSFIL
				DMRITE	DMREWD
				DMREAD	D1BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD1BCT	01/24/74	6	D1BCT	EXTERNAL	NAMES
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD20B	01/24/74	30	D20B	DMWEOF	DMSTAT
				DMSKRD	DMSFIL
				DMRITE	DMREWD
				DMREAD	D2BCT

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD21B	01/24/74	30	D21B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D2BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD22B	01/24/74	30	D22B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D2BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD23B	01/24/74	30	D23B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D2BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD2BCT	01/24/74	6	D2BCT	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD30B	01/24/74	30	D30B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D3BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD31B	01/24/74	30	D31B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D3BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD32B	01/24/74	30	D32B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D3BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD33B	01/24/74	30	D33B	DMWEOF DMSTAT DMSKRD DMSFIL DMRITE DMREWD DMREAD D3BCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD3BCT	01/24/74	6	D3BCT	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSDMAE	01/22/74	335	DMWEOF DMSTAT	IOAS BIRS

DMSKRD DMSFIL BIAS
DMRITE DMREWD

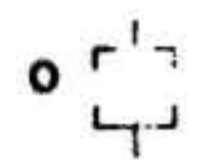
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VSD00C	01/24/74	36	D00C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD DOCCT
VSD01C	01/24/74	36	D01C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD DOCCT
VSD02C	07/30/74	36	D02C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD DOCCT
VSD03C	07/30/74	36	D03C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD DOCCT
VSD0CCT	01/24/74	6	D0CCT	
VSD10C	01/24/74	36	D10C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD D1CCT
VSD11C	01/24/74	36	D11C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD D1CCT
VSD12C	07/30/74	36	D12C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD D1CCT
VSD13C	07/30/74	36	D13C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD D1CCT
VSD1CCT	01/24/74	6	D1CCT	
VSD20C	07/30/74	36	D20C	DCWRIT DCSTAT

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSD21C	07/30/74	36	D21C	DCSKRD DCREWD DCREAD D2CCT DCWRIT DCSTAT
VSD22C	07/30/74	36	D22C	DCSKRD DCREWD DCREAD D2CCT DCWRIT DCSTAT
VSD23C	07/30/74	36	D23C	DCSKRD DCREWD DCREAD D2CCT DCWRIT DCSTAT
VSD2CCT	08/02/74	6	D2CCT	EXTERNAL NAMES
VSD30C	07/30/74	36	D30C	DCWRIT DCSTAT DCSKRD DCREWD DCREAD D3CCT
VSD31C	07/30/74	36	D31C	EXTERNAL NAMFS DCWRIT DCSTAT DCSKRD DCREWD DCREAD D3CCT
VSD32C	07/30/74	36	D32C	EXTERNAL NAMES DCWRIT DCSTAT DCSKRD DCREWD DCREAD D3CCT
VSD33C	07/30/74	36	D33C	EXTERNAL NAMES DCWRIT DCSTAT DCSKRD DCREWD DCREAD D3CCT
VSD3CCT	08/02/74	6	D3CCT	EXTERNAL NAMES
VSDMC	01/24/74	634	DCWRIT DCSTAT DCSKRD DCREWD DCREAD	IOAS BIRS BIAS
VSD00D	01/24/74	36	D00D	EXTERNAL NAMES DDWRIT DDSTAT DDSKRD DDREWD

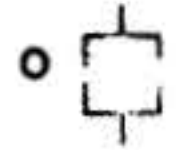
01/25/74

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
V\$D01D	01/24/74	36	D01D	DDREAD DDWRIT DDSKRD DDREAD	D0DCT DDSTAT DDREWD D0DCT
V\$D02D	01/24/74	36	D02D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D0DCT
V\$D03D	01/24/74	36	D03D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D0DCT
V\$D0DCT	01/24/74	6	D0DCT		
V\$D10D	01/25/74	36	D10D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D1DCT
V\$D11D	01/24/74	36	D11D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D1DCT
V\$D12D	01/24/74	36	D12D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D1DCT
V\$D13D	01/24/74	36	D13D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D1DCT
V\$D1DCT	01/24/74	6	D1DCT		
V\$D20D	01/24/74	36	D20D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D2DCT
V\$D21D	01/24/74	36	D21D	DDWRIT DDSKRD DDREAD	DDSTAT DDREWD D2DCT



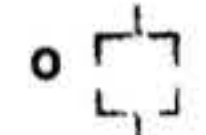
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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD22D	01/24/74	36	D22D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D2DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD23D	01/24/74	36	D23D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D2DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD2DCT	01/24/74	6	D2DCT		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD30D	01/24/74	36	D30D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D3DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD31D	01/24/74	36	D31D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D3DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD32D	01/24/74	36	D32D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D3DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD33D	01/24/74	36	D33D	DDWRIT	DDSTAT
				DDSKRD	DDREWD
				DDREAD	D3DCT
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSD3DCT	01/24/74	6	D3DCT		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSDMD	01/24/74	576	DDWRIT DDSTAT	IOAS	BTR\$
			DDSKRD DDREWD	BIAS	
			DDREAD		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
VSTY00A	01/24/74	411	TY00A	WRT\$	TCK\$
				STR\$	KNT\$
				FCH\$	BL\$P
				STC01	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
V\$MT00A	01/24/74	22	MT00A	MWR\$	MT\$0
				MSR\$	MSF\$
				MRW\$	MRD\$



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ID NAME	DATE	SIZE	ENTRY NAMES	MEFS	MCK\$
VSMT01A	01/24/74	22	MT01A	MWR\$	MT\$0
				MSR\$	MSF\$
				MRW\$	MRD\$
				MEFS	MCK\$
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
VSMT10A	01/24/74	22	MT10A	MWR\$	MT\$1
				MSR\$	MSF\$
				MRW\$	MRD\$
				MEFS	MCK\$
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
VSMT\$0	01/24/74	47	MT\$0		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
VSMT11A	01/24/74	22	MT11A	MWR\$	MT\$1
				MSR\$	MSF\$
				MRW\$	MRD\$
				MEFS	MCK\$
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
VSMT\$1	01/24/74	47	MT\$1		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
VSMTAE	01/24/74	1011	MWR\$ MSR\$	IOOK	IOAS
			MSF\$ MRW\$	BISS	BIRS
			MRD\$ MEFS	BIAS	
			MCK\$		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
V\$CR00A	01/24/74	37	CR00A	CRD\$\$	CCK\$\$
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
V\$CRIE	01/24/74	430	CRD\$\$ CCK\$\$	IOOK	IOAS
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
V\$PT00A	01/24/74	465	PT00A	WRT\$	STR\$
				RDC\$	LASS
				HCK\$	FCH\$
				DIM\$	BL\$P
				\$HC37	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
V\$LP00A	01/24/74	30	LP00A	LWR\$	LPL\$
				LCK\$	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	EXTERNAL NAMES
V\$LPD24	04/16/75	161	LWR\$ LPL\$	IOOK	IOAS
			LCK\$		



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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$LP00D	01/24/74	30	LP00D	WRIT STUS STFN
V\$LPS31	01/24/74	1676	WRIT STUS	IOOK IOAS
V\$KNIS	01/24/74	17	KNIS	WRTS
V\$RDCS	01/24/74	56	RDCS	IOAS
V\$HC37	01/24/74	35	\$HC37	
HCK\$	01/25/74	24	HCK\$	
V\$DIMS	01/25/74	17	DIMS	
V\$LASS	01/25/74	13	LASS	
V\$WRTS	01/25/74	14	WRTS	SWRS
V\$STR\$	01/25/74	26	STR\$	
V\$SWRS	01/25/74	7	SWRS	
V\$BL\$P	01/25/74	31	BL\$P	
V\$FCH\$	01/25/74	20	FCH\$	
V\$TCK\$	01/25/74	24	TCK\$	
V\$TC01	01/25/74	36	\$TC01	
V\$IOAS	01/25/74	35	IOAS	\$MPR
V\$BICA	01/25/74	120	BISS BIR\$ BTAS	
V\$IOOK	01/25/74	4	IOOK	
V\$MPR	01/25/74	55	\$MPR	

CTL,PART0001

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SGEN1	04/09/75	11644	SGEN1	IOCS EXIT

CTL,PART0002

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SGEN2	08/05/75	15367	SGEN2	IOCS EXIT

SLM,INIT

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$LMEMBK	03/04/75	500	V\$IM V\$CRDR V\$CAM	V\$UTB V\$TFC V\$TR V\$PTVR V\$PFUP V\$PFDN V\$OPBF V\$MPJP V\$MPER V\$LUT3 V\$LUT2 V\$LUT1 V\$LUNT V\$LRSK V\$LIT V\$JPRF V\$IOST V\$IOC V\$FPP V\$FLRS V\$EXEC V\$DSTR V\$COTA V\$CLOK V\$BVN V\$BFC TIDBSL TIDBOC TIDBJP TIDBER #\$SCV #\$PST #\$NCTR #\$LCNT #\$FREE #\$CTMS #\$CRDM #\$CKH #\$1MIN

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
I\$DA	01/22/74	1013	I\$DA	V\$TFC V\$DISP #DSYS #BSYS

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
I\$DB	01/22/74	1106	I\$DB	V\$TFC V\$DISP #DSYS #BSYS

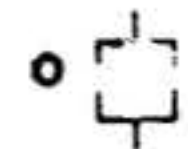
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I\$DC	01/22/74	1107	I\$DC	V\$TFC V\$DISP #DSYS #BSYS

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
I\$DD	01/22/74	1101	I\$DD	V\$TFC V\$DISP #DSYS #BSYS

END

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TDF, TBCT4A, VSTYA, CTCT4A, 047411, 23
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 TDF,TBSP6A,VZSP6A,CTSP6A,047401,22
 TDF,TBSP7A,VZSP7A,CTSP7A,047401,22
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 TDF,TIDBOC,V\$OPCM,0,045400,10
 TDF,TIDOCL,CC\$OCL,0,047401,02
 TDF,TIDOCT,TC\$OCT,0,047401,02

TDF,TIDBJP,JCP,0,044400,1

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CTTY0A	06/11/74	26	CTTY0A	TBTY0A #LTY0A #ITY0A #ATY0A !TY00

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTTY1A	06/11/74	26	CTTY1A	TBTY1A #LTY1A #ITY1A #ATY1A !TY10

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTTY2A	06/11/74	26	CTTY2A	TBTY2A #LTY2A #ITY2A #ATY2A !TY20

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTTY3A	06/11/74	26	CTTY3A	TBTY3A #LTY3A

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTTY4A	06/11/74	26	CTTY4A	TBTY4A #LTY4A #ITY4A #ATY4A
CTTY5A	06/11/74	26	CTTY5A	TBTY5A #LTY5A #ITY5A #ATY5A
CTTY6A	06/11/74	26	CTTY6A	TBTY6A #LTY6A #ITY6A #ATY6A
CTCT0A	06/11/74	26	CTCT0A	TBCT0A #LCT0A #ICT0A #ACT0A
CTCT1A	06/11/74	26	CTCT1A	TBCT1A #LCT1A #ICT1A #ACT1A
CTCT2A	06/11/74	26	CTCT2A	TBCT2A #LCT2A #ICT2A #ACT2A
CTCT3A	06/11/74	26	CTCT3A	TBCT3A #LCT3A #ICT3A #ACT3A
CTCT4A	06/11/74	26	CTCT4A	TBCT4A #LCT4A #ICT4A #ACT4A
CTCT5A	06/11/74	26	CTCT5A	TBCT5A #LCT5A #ICT5A #ACT5A
CTCT6A	06/11/74	26	CTCT6A	TBCT6A #LCT6A #ICT6A #ACT6A

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCROA	06/07/74	144	CTCROA	TBCROA #ACROA !BCROA
CTCPOA	01/25/74	146	CTCPOA	TBCPOA #ACPOA !BCPOA
CTPT0A	01/25/74	25	CTPT0A	TBPT0A #APT0A
CTPT1A	01/25/74	25	CTPT1A	TBPT1A #APT1A
CTLPOA	06/11/74	55	CTLPOA	TBLPOA #ALPOA !BLPOA
CTLP1A	06/11/74	55	CTLP1A	TBLP1A #ALP1A !BLP1A
CTLP2A	03/24/75	55	CTLP2A	TBLP2A #ALP2A !BLP2A
CTLP3A	03/24/75	55	CTLP3A	TBLP3A #ALP3A !BLP3A
CTLPOD	07/27/74	210	CTLPOD	V\$WRIT V\$SWOD TBLPOD #ALPOD !BLPOD
CTLPID	07/27/74	210	CTLPID	V\$WRIT V\$SW1D TBLPID #ALPID !BLPID
CTLP2D	07/27/74	210	CTLP2D	V\$WRIT V\$SW2D TBLP2D #ALP2D !BLP2D
CTLPOE	07/27/74	210	CTLPOE	V\$SWOE TBLPOE #ALPOE !BLPOE
CTLPIE	07/27/74	210	CTLPIE	V\$SW1E TBLPIE #ALPIE !BLPIE

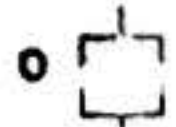
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP2E	07/27/74	210	CTLP2E	V\$SW0G TBLP2E #ALP2E !BLP2E
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP0G	07/27/74	210	CTLP0G	V\$SW0G TBLP0G #ALP0G !BLP0G
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP1G	07/27/74	210	CTLP1G	V\$SW1G TBLP1G #ALP1G !BLP1G
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP2G	07/27/74	210	CTLP2G	V\$SW2G TBLP2G #ALP2G !BLP2G
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP0H	07/27/74	210	CTLP0H	V\$SW0H TBLP0H #ALP0H !BLP0H
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP1H	07/27/74	210	CTLP1H	V\$SW1H TBLP1H #ALP1H !BLP1H
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP2H	07/27/74	210	CTLP2H	V\$SW2H TBLP2H #ALP2H !BLP2H
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP0J	07/27/74	261	CTLP0J	V\$SW0J TBLP0J #ALP0J !BLP0J
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP1J	07/27/74	261	CTLP1J	V\$SW1J TBLP1J #ALP1J !BLP1J
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTLP2J	07/27/74	261	CTLP2J	V\$SW2J TBLP2J #ALP2J !BLP2J
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTMT0A	01/25/74	23	CTMT0A	TBMT0A #TMT0A #AMT0A !BMT0A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTMT1A	01/25/74	23	CTMT1A	TBMT1A #TMT1A #AMT1A !BMT1A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTMT2A	01/25/74	23	CTMT2A	TBMT2A #TMT2A #AMT2A !BMT2A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTMT3A	01/25/74	23	CTMT3A	TBMT3A #TMT3A

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ID NAME	DATE	SIZE	ENTRY NAMES	#AMT3A EXTERNAL	!BMT3A NAMES
CTD0A	01/25/74	240	CTD0A	TBD0A #AD0A !PD02A !PD00A	!TD0A !PD03A !PD01A !BD0A
CTD1A	01/25/74	240	CTD1A	TBD1A #AD1A !PD12A !PD10A	#TD1A !PD13A !PD11A !BD1A
CTD2A	01/25/74	240	CTD2A	TBD2A #AD2A !PD22A !PD20A	#TD2A !PD23A !PD21A !BD2A
CTD3A	01/25/74	240	CTD3A	TBD3A #AD3A !PD32A !PD30A	#TD3A !PD33A !PD31A !BD3A
CTD0B	01/25/74	242	CTD0B	TBD0B #AD0B !PD02B !PD00B	#TD0B !PD03B !PD01B !BD0B
CTD1B	01/25/74	242	CTD1B	TBD1B #AD1B !PD12B !PD10B	#TD1B !PD13B !PD11B !BD1B
CTD2B	01/25/74	242	CTD2B	TBD2B #AD2B !PD22B !PD20B	#TD2B !PD23B !PD21B !BD2B
CTD3B	01/25/74	242	CTD3B	TBD3B #AD3B !PD32B !PD30B	#TD3B !PD33B !PD31B !BD3B

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD0C	01/25/74	253	CTD0C	TBD0C	#TD0C
				#AD0C	!PD03C
				!PD02C	!PD01C
				!PD00C	!RD0C
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD1C	01/25/74	253	CTD1C	TBD1C	#TD1C
				#AD1C	!PD13C
				!PD12C	!PD11C
				!PD10C	!RD1C
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD2C	07/19/74	253	CTD2C	TBD2C	#TD2C
				#AD2C	!PD23C
				!PD22C	!PD21C
				!PD20C	!RD2C
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD3C	07/19/74	253	CTD3C	TBD3C	#TD3C
				#AD3C	!PD33C
				!PD32C	!PD31C
				!PD30C	!RD3C
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD0D	01/25/74	250	CTD0D	TBD0D	#TD0D
				#AD0D	!PD03D
				!PD02D	!PD01D
				!PD00D	!RD0D
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD1D	01/25/74	250	CTD1D	TBD1D	#TD1D
				#AD1D	!PD13D
				!PD12D	!PD11D
				!PD10D	!RD1D
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD2D	01/25/74	250	CTD2D	TBD2D	#TD2D
				#AD2D	!PD23D
				!PD22D	!PD21D
				!PD20D	!RD2D
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES
CTD3D	01/25/74	250	CTD3D	TBD3D	#TD3D
				#AD3D	!PD33D
				!PD32D	!PD31D
				!PD30D	!RD3D
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL	NAMES



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CTCI0A	08/01/74	21	CTCI0A	TBCI0A #MCI0A #DCI0A #ACI0A !BCI0A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI1A	08/01/74	21	CTCI1A	TBCI1A #MCI1A #DCI1A #ACT1A !BCI1A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI2A	08/01/74	21	CTCI2A	TBCI2A #MCI2A #DCI2A #ACI2A !BCI2A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI3A	08/01/74	21	CTCI3A	TBCI3A #MCI3A #DCI3A #ACI3A !BCI3A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI4A	03/25/75	21	CTCI4A	TBCI4A #MCI4A #DCI4A #ACI4A !BCI4A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI5A	03/25/75	21	CTCI5A	TBCI5A #MCI5A #DCI5A #ACI5A !BCI5A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI6A	03/25/75	21	CTCI6A	TBCI6A #MCI6A #DCI6A #ACI6A !BCI6A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTCI7A	03/25/75	21	CTCI7A	TBCI7A #MCI7A #DCI7A #ACI7A !BCI7A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC00A	08/01/74	32	CTC00A	TBC00A #AC00A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC01A	08/01/74	32	CTC01A	TBC01A #AC01A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC02A	08/01/74	32	CTC02A	TBC02A #AC02A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC03A	08/01/74	32	CTC03A	TBC03A #AC03A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC04A	04/21/75	32	CTC04A	TBC04A #AC04A

04/21/75

ID NAME	DATE	SIZE	FENTRY NAMES	EXTERNAL NAMES
CTC05A	04/21/75	32	CTC05A	TBC05A #AC05A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTC06A	04/21/75	32	CTC06A	TBC06A #AC06A
ID NAME	DATE	SIZE	FENTRY NAMES	EXTERNAL NAMES
CTC07A	04/21/75	32	CTC07A	TBC07A #AC07A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP0A	03/18/75	541	V\$SPIN CTSP0A	V\$SPST V\$SPMT V\$SPMC V\$SPMB V\$SPIR V\$LEVT V\$IOST V\$IOC V\$FNR V\$EXEC V\$ERR TBSP0A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP1A	03/18/75	315	CTSP1A	V\$SPIR V\$IOC TBSP1A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP2A	03/18/75	541	CTSP2A	V\$SPIR V\$IOC TBSP2A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP3A	03/18/75	315	CTSP3A	V\$SPIR V\$IOC TBSP3A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP4A	03/18/75	541	CTSP4A	V\$SPIR V\$IOC TBSP4A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP5A	03/18/75	315	CTSP5A	V\$SPIR V\$IOC TBSP5A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP6A	03/18/75	541	CTSP6A	V\$SPIR V\$IOC TBSP6A
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTSP7A	04/16/75	315	CTSP7A	V\$SPIR V\$IOC TBSP7A
ID NAME	DATE	SIZE	FENTRY NAMES	EXTERNAL NAMES
CTWCS	01/29/74	110	V\$WCSD V\$WCSDI V\$WCSE V\$WCSE V\$WCS CTWCS	V\$EXEC #AWCS
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CTT0A	06/23/75	446	VT\$LTT TC\$TCD TC\$OCM CTT0A	TYWRIT TYREAD TYFUNC TRT0A

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ID NAME	DATE	SIZE	ENTRY NAMES	#ATCOA	EXTERNAL NAMES
CCSCBS	04/17/75	125	CCSCBS CCSCBF	CCSSTR	CCSFLG
				CCSFIL	CCSEND
				CCSEMT	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CTMX0A	06/24/74	27	CTMX0A	V\$LCW0	TBMX0A
				C52XMT	C52SST
				C52RCV	C52PL0
				C52LLT	C52FUN
				BCTX0A	#AMX0A
				!BMX0A	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CTMX1A	06/24/74	27	CTMX1A	V\$LCW1	TBMX1A
				C52XMT	C52SST
				C52RCV	C52PL1
				C52LLT	C52FUN
				BCTX1A	#AMX1A
				!BMX1A	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CTMX2A	06/24/74	27	CTMX2A	V\$LCW2	TBMX2A
				C52XMT	C52SST
				C52RCV	C52PL2
				C52LLT	C52FUN
				BCTX2A	#AMX2A
				!BMX2A	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CTMX3A	06/24/74	27	CTMX3A	V\$LCW3	TBMX3A
				C52XMT	C52SST
				C52RCV	C52PL3
				C52LLT	C52FUN
				BCTX3A	#AMX3A
				!BMX3A	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
H\$SFLG	03/11/74	1	H\$SFLG		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
H\$COMN	04/30/74	45	H\$XQLN H\$XMTQ		
			H\$TRSZ H\$RDST		
			H\$RCVQ H\$PUST		
			H\$PRST H\$OUST		
			H\$OPCU H\$OIST		

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VSSPQS VSSPQB
 VSSPPB VSSPMT
 VSSPMC VSSPMB
 VSSPEM VSSPDT
 VSSPDB VSSPAR

VSSPAM

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
VSTYA	07/14/75	1614	VSTYA	VSFNRM VSFNR VSEEXEC VSERR HSSFLG
VZDA	01/29/74	1545	VZDA	VSIOST VSIOC VSFNR VSEEXEC VSERR VSBIC
VZMTA	01/29/74	1024	VZMTA	VSFNR VSEEXEC VSERR VSBIC
VZDB	02/22/74	1750	VZDB	VSIOST VSIOC VSFNR VSEEXEC VSERR VSBIC
VZDC	01/29/74	2324	VZDC	VSIOST VSIOC VSFNR VSEEXEC VSERR VSBIC
VZDD	03/26/75	2273	VZDD	VSIOST VSIOC VSFNR VSEEXEC VSERR VSBIC
VZCRA	03/04/75	646	VZCRA	VSFNR VSEEXEC VSERR VSBIC
VZLPA	08/14/74	511	VZLPA	VSFNR VSEEXEC VSERR VSBIC
VZLPDX	11/04/74	1142	V\$WRIT	V\$TOFM V\$STEP V\$STBO V\$SPAC
V\$CLPS	12/12/74	1573	V\$TOFM V\$STPL V\$STEP V\$STBO	VSFNR VSEEXEC VSERR VSBIC

ID NAME	DATE	SIZE	V\$SPAC ENTRY NAMES	V\$CLPS EXTERNAL NAMES
VZCPA	04/09/75	653	VZCPA	V\$FNR V\$EXEC V\$ERR V\$BIC
VZPTA	04/29/74	744	VZPTA	V\$FNR V\$EXEC V\$ERR
VZCIA	07/30/74	434	VZCIA	V\$FNR V\$EXEC V\$ERR V\$BIC
VZCOA	01/30/74	223	VZCOA	V\$FNR V\$EXEC V\$ERR
VZSPA	03/18/75	227	VZSP7A VZSP6A VZSP5A VZSP4A VZSP3A VZSP2A VZSP1A VZSP0A V\$LEVT	V\$SPSB V\$SPQS V\$SPIN V\$IOST V\$IOC V\$FNR V\$EXEC V\$ERR
TC\$CEX	07/07/75	705	TC\$FWR TC\$FRR TC\$FRQ TC\$CRQ TC\$CEX TC\$BRQ	V\$IOC V\$EXEC TC\$TCD
TYREAD	06/30/75	3232	TYWRIT TYREAD TYFUNC	VT\$PTM VT\$MP1 VT\$GTM V\$EXEC TC\$FWR TC\$FRR TC\$CRQ TC\$BRQ
VT\$TCQ	06/13/75	437	VT\$TCQ TC\$OCT	VT\$PTM VT\$MP1 VT\$LTT VT\$GTM V\$FNRM V\$EXEC V\$ERR TIDTEX TIDOC TC\$OCM TC\$FRQ TC\$CRQ TC\$BRQ
VT\$PTM	03/04/74	37	VT\$PTM	V\$EXEC
VT\$GTM	03/04/74	47	VT\$GTM	V\$EXEC

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VT\$BMT	03/04/74	70	VT\$BMT	V\$EXEC	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52CIH	03/04/74	56	C52CIH	VTSTAK	VT\$PUSH
				VTPOP	CC\$MET
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52FUN	04/17/75	1050	C52FUN	VT\$PUSH	V\$POLL
				CC\$SCH	CC\$ORQ
				CC\$FCW	CC\$CRQ
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52IWP	07/08/74	301	C52IWP	C52SST	C52RCW
				V\$DISP	CC\$RCF
				CC\$MET	CC\$CBF
				CC\$ACE	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52LIP	05/18/75	734	C52LIP	V\$DISP	TIDIWP
				CC\$MET	CC\$CBS
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52RCR	03/04/74	60	C52RCR		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52RCV	03/07/74	314	C52RCV	VT\$PUSH	CC\$SCH
				CC\$FRR	CC\$FCW
				CC\$CRQ	C52SST
				C52RCW	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52RCW	03/04/74	36	C52RCW		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52SST	04/17/75	100	C52SST	VTSTAK	VTPOP
				C52RCR	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
C52XMT	05/02/75	230	C52XMT	VT\$PUSH	CC\$SCH
				CC\$FWR	CC\$FCW
				CC\$CRQ	C52SST
				C52RCW	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CC\$ACE	03/22/73	15	CC\$ACE	TIDCEX	
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CC\$CEX	03/07/74	340	CC\$RCF CC\$CEX	V\$EXEC	CC\$LSD
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CC\$CRQ	07/02/75	166	CC\$ORQ CC\$CRQ		
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES	
CC\$FCW	03/07/74	21	CC\$FCW	VTSTAK	VTPOP

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CCSFRR	03/07/74	51	CCSFWR CCSFRR	
CCSOCL	04/17/75	14	CCSOCL	VSEXEC
CCSSCW	04/17/75	271	CCSSCW	VTSTAK VTPUSH VTPOP CCSFCW
VT\$IOC	04/17/75	434	VT\$IOC	VTSTAK VTPUSH VTPOP V\$FNRM TIDOCL CCSRCF CC\$ORQ CC\$OCM CC\$CRQ CC\$ACE
VTPOP	03/07/74	41	VTPOP	VTVOLA VTSTAK
VTPUSH	03/07/74	37	VTPUSH	VTVOLA VTSTAK
V\$RERS	07/28/75	7130	V\$RERS V\$RERR V\$RFRN V\$RER1	VSEXEC SSFCB SIFCB POFCB PIFCB LOFCB GOFCB BOFCB BIFCB
V\$RERF	07/28/75	6541	V\$RERR V\$RERN V\$RERF V\$RFR1	VSEXEC SSFCB SIFCB POFCB PIFCB LOFCB GOFCB BOFCB BIFCB
END				
CTL,PART0003				
V\$SGEN3	03/02/74	10731	SGEN3	IOCS EXIT
SLM,FV\$OPC TID,V\$OPCM,2,8,106				
V\$OPCOM	01/30/74	37	V\$OPCM OSERR OSER00 OSCLR OCOUNT	VSEXEC
ESB OVL,OPPRO				

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OPPRO	01/30/74	511	OPPRO	V\$EXEC USER00 OCOUNT

ESB
OVL,OASSGN

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OASSGN	03/10/75	625	OASSGN	OSERR OSER00 OSCLR OCOUNT

ESB
OVL,OIOLST

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$IOLST	01/30/74	636	OIOLST	V\$IIOC OSERR OSER00 OSCLR OCOUNT

ESB
OVL,OSTAT

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OSTAT	01/30/74	404	OSTAT	V\$TBSR V\$IIOC OSERR OSCLR OCOUNT

ESB
OVL,OABORT

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OABORT	03/13/75	637	OABORT	V\$TBSR V\$EXEC OSERR OSER00 USCLR OCOUNT

ESB
OVL,OTIME

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OTIME	03/13/75	634	OTIME	V\$IIOC OSERR OSCLR OCOUNT

ESB
OVL,OSCHD

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OSCHD	02/04/74	611	OSCHD	V\$EXEC OSERR OSCLR OCOUNT

ESB
OVL,OTSCH

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$OTSCH	01/30/74	623	OTSCH	V\$TBSR V\$EXEC V\$ALTR OSERR

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SELOC SDATE

ESB

END

SLM,FPATCH

TID,PATCH,2,0,106

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
PATCH	06/12/75	6473		VSSTWD VSLUT1 VSIOST VSIOC V\$EXEC MOVE CA2B

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CA2B	06/04/75	175	FETCH CA2B	

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
MOVE	03/11/75	61	MOVE	

ESB

END

SLM,FRTPTC

TID,BTPTCH,2,0,106

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
BTPTCH	04/30/75	516		VSSTWD VSIOST VSIOC V\$EXEC

ESB

END

SLM,BJCP

TID,JCP,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$JCP	03/04/75	4212	V\$JCP	VSIOST VSIOC V\$EXEC SSFCB SIFCB POFCB PIFCB LOFCB GOFCB BOFCB BIFCB

ESB

END

SLM,BLMGEN

TID,LMGEN,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$LMGEN	06/11/74	15777	LMGEN	VSIOST VSIOC V\$EXEC SSFCB SIFCB POFCB PIFCB LOFCB

196962 W

GOF CB BOFCB
BIFCB

ESB
END
SLM,BFMAIN

TID,FMAIN,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FMAIN	05/19/75	16173	FMWR FMWLI	V\$IOST V\$IOC
			FMWL FMVH	V\$EXEC SSFCB
			FMRR FMPT	SIFCB POFCB
			FMMV FMLF	PIFCB LOFCB
			FMEN FMCR	GOF CB BOFCB
			FMBF FMBA	BIFCB
			FMAIN	

ESB
END
SLM,BDASMR

TID,DASMR,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$DASMR	06/12/75	20227	DASMR	V\$IOST V\$IOC
				V\$EXEC SSFCB
				SIFCB POFCB
				PIFCB LOFCB
				GOF CB BOFCB

ESB
END
SLM,BFORT

TID,FORT,1,5,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FORT	07/23/75	10622	FORT	V\$IOST V\$IOC
				V\$EXEC SIFCB
				PIFCB LOFCB
				GOF CB BOFCB

ESB
OVL,V\$FORO

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FORO	07/23/75	10510		V\$IOST V\$IOC
				V\$EXEC SIFCB
				PIFCB LOFCB
				GOF CB BOFCB

ESB

296952

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OVL,V\$FOR1

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FOR1	07/23/75	3601		V\$IOST V\$IOC V\$EXEC SIFCB PIFCB LOFCB GOFCB BOFCB

ESB

OVL,V\$FOR2

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FOR2	07/30/75	10010		V\$IOST V\$IOC V\$EXEC SIFCB PIFCB LOFCB GOFCB BOFCB

ESB

OVL,V\$FOR3

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FOR3	07/23/75	1106		V\$IOST V\$IOC V\$EXEC SIFCB PIFCB LOFCB GOFCB BOFCB

ESB

OVL,V\$FOR4

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$FOR4	07/23/75	423		V\$IOST V\$IOC V\$EXEC SIFCB PIFCB LOFCB GOFCB BOFCB

ESB

END

SLM,BSMAIN

TID,SMAIN,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SMAIN	01/30/74	15777	SMAIN	V\$IOC V\$EXEC

ESB

END

SLM,BSEDIT

TID,SEdit,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SEdit	02/04/74	17614	SEdit	V\$IOST V\$IOC V\$EXEC SSFCB SIFCB POFCB

PIFCB LOFCB
 GOFCB BOFCB
 BIFCB

ESB
 END

SLM,BCONC

TID,CONC,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$CONC	09/24/74	15547	CONC	V\$IOST V\$IOC V\$EXEC SSFCB LOFCB

ESB
 END

SLM,BIOUTI

TID,IOUTIL,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$IOUTIL	04/14/75	7025	V\$IUTL	V\$IOC V\$EXEC SSFCB SIFCB POFCB PIFCB LOFCB GOFCB BOFCB BIFCB

ESB
 END

SLM,BVSORT

TID,VSORT,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
MERGE	07/02/75	4264	XSF3 XSF2 XSF1 XIT1 WRT5 TLFC SRTC S3CB S3CA S2CLS S2CB S2CA S1CLS S1CB S1CA OFCLS OFCA OFCA MOVE LUSB LUS IFRD IFCLS IFCB IFCA CTLS COMP CLR5 BTOA	XIT2 V\$IOST V\$IOC V\$EXEC SRT1 SINI

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ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
SORT	07/02/75	6200	XIT2 SRT1 SINI	XSF2 XSF1 XIT1 WRT5 V\$IOST V\$IOC V\$EXEC TLFC SRTC SIFCB S3CB S3CA S2CLS S2CB S2CA S1CLS S1CB S1CA OFCB OFCA MOVE LUSB LUS IFRD IFCB IFCA GOF CB CTLS COMP CLR5 BTOA

ESB
END
SLM, BRPGC

TID, RPGC, 1, 0, 105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
RPGC	07/30/74	13612	RPGC	V\$IOST V\$IOC V\$EXEC PIFCB LOFCB BOFCB

ESB
END
SLM, BRPGRT

TID, RPGRT, 1, 0, 105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
RPGRT	06/14/75	14000	RPGRT	V\$IOST V\$IOC V\$EXEC GOF CB

ESB
END
SLM, BMIDAS

TID, MIDAS, 1, 0, 105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
MIDAS	02/02/74	17110	MIDAS	V\$IOST V\$IOC V\$EXEC SSF CB SIFCB POFCB PIFCB LOFCB

BOFCB

ESB

END

SLM,BMICSI

TID,MICSIM,1,0,105

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
MICSIM	04/29/75	15677	SMLTR EXC	MMEM EMEM
				V\$LLUP PIFCB INTRST INLINK BIFCB \$LUT \$SELOC \$DRM1D \$DRM1B \$SDBUF
				SIFCB LOFCB INTR EXIT \$SYST \$JOB \$DRM2 \$DRM1C \$DRM1 \$DATE
ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
CCSMDL	03/21/75	4200	\$DRM2 \$DRM1C \$DRM1	\$DRM1D \$DRM1B \$SDBUF

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V	01/31/74	65	V\$LLUP INTR EXIT \$LUT \$SELOC	INTRST INLINK \$SYST \$JOB \$DATE
				V\$IOST V\$IOC V\$EXEC

ESB

END

CTL,PART0004

ID NAME	DATE	SIZE	ENTRY NAMES	EXTERNAL NAMES
V\$SGEN4	05/05/75	4772	SGEN4	IOCS EXIT

CTL,ENDOFSGL
15:44:13 /LOAD,JSEdit

*BLD

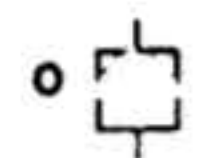
```

1  * * E O F * * NO 1
2  /JOB,BSCOM
3  /KPMODE,0
4  /C, LOAD THE BASIC OM MODULES
5  /C, EXECUTE--TO LOAD THE BASIC OM LIBRARY ROUTINES(OM IS INITIALIZED)
6  /C, TO BYPASS JOB STREAM SKIP 2 FILES
7  /ASSIGN,SI,OC
8  /ASSIGN,BI,SI
9  /FMAIN
10 INIT,OM,D
11 INPUT,BI
12 ADD,OM,D
    
```

```

***** VSFORTIO * 07/18/75 *****
***** SDO * 06/24/74 *****
***** SCG * 06/24/74 *****
***** SSE * 06/24/74 *****
***** STOPAUS * 07/10/75 *****
***** VSFORTDA * 07/10/75 *****
***** VSEE * 06/24/74 *****
***** VSSNAP * 04/28/75 *****
***** VSDEBUG * 05/30/75 *****
***** FMULDIV * 06/24/74 *****
***** FADDSUB * 06/24/74 *****
***** SEPMANTI * 06/24/74 *****
***** FNORMAL * 06/24/74 *****
***** XDDIVH * 06/24/74 *****
***** XDMULTH * 06/24/74 *****
***** XDADD * 06/24/74 *****
***** XDSUR * 06/24/74 *****
***** XDCOMP * 07/17/75 *****
***** XMUL * 06/24/74 *****
***** XDIV * 06/24/74 *****
***** SQRTH * 08/09/74 *****
***** IF * 06/24/74 *****
***** CHEB * 06/24/74 *****
***** RLOADAC * 06/24/74 *****
***** SINGLE * 06/24/74 *****
***** DOUBLE * 06/24/74 *****
***** DBLECOMP * 06/24/74 *****
***** AC * 07/08/75 *****
***** OVLAY * 06/24/74 *****
***** DELAY * 06/24/74 *****
***** LDELAY * 06/11/75 *****
***** PMSK * 06/24/74 *****
***** ALOC * 06/24/74 *****
***** RESUME * 06/24/74 *****
***** SUSPND * 06/24/74 *****
    
```

A206957



```

***** EXIT * 06/24/74 *****
***** TIME * 06/24/74 *****
***** SCHED * 06/24/74 *****
***** ABORT * 06/24/74 *****
***** PASS * 06/24/74 *****
***** $RTENM * 06/24/74 *****
***** A2MT * 06/24/74 *****
***** MT2A * 06/24/74 *****
***** CB2A * 07/25/75 *****
***** CA2B * 06/04/75 *****
***** MOVE * 03/11/75 *****
***** CTIME * 03/11/75 *****
***** V$OPIO * 07/25/74 *****
***** V$IOP * 06/24/74 *****
***** V$ISHF * 06/24/74 *****
***** V$NOT * 06/24/74 *****
***** V$IEOR * 06/24/74 *****
***** V$IAND * 06/24/74 *****

```

```
13 * * E O F * * NO 2
```

```
14 /FINI
```

```
15 * * E O F * * NO 3
```

```
16 /JOB,V$RERS
```

```
17 /KPMODE,0
```

```
18 /C, LOAD THE OM VERSION OF V$RERR, NO FIRMWARE CALLS
```

```
19 /C, EXECUTE--ONLY IF V$RERR IS NOT IN THE NUCLEUS AND V$RERR IS
```

```
20 /C, NOT TO MAKE FIRMWARE CALLS (NOT USING FPAOM).
```

```
21 /C, TO BYPASS JOB STREAM SKIP 2 FILES
```

```
22 /ASSIGN,SI,OC
```

```
23 /ASSIGN,BI,SI
```

```
24 /FMAIN
```

```
25 INPUT,BI
```

```
26 ADD,OM,D
```

```
***** V$RERS * 07/28/75 *****
```

```
27 * * E O F * * NO 4
```

```
28 /FINI
```

```
29 * * E O F * * NO 5
```

```
30 /JOB,V$RERF
```

```
31 /KPMODE,0
```

```
32 /C, LOAD THE OM VERSION OF V$RERR, WITH FIRMWARE CALLS
```

```
33 /C, EXECUTE--ONLY IF V$RERR IS NOT IN THE NUCLEUS AND V$RERR IS
```

```
34 /C, TO MAKE FIRMWARE CALLS (FPAOM OM VERSION ONLY)
```

```
35 /C, TO BYPASS JOB STREAM SKIP 2 FILES
```

```
36 /ASSIGN,SI,OC
```

```
37 /ASSIGN,BI,SI
```

```
38 /FMAIN
```

```
39 INPUT,BI
```

```
40 ADD,OM,D
```

```
***** V$RERF * 07/28/75 *****
```

```
41 * * E O F * * NO 6
```

```
42 /FINI
```

```
43 * * E O F * * NO 7
```

```

44 /JOB,SFTOM
45 /KPMODE,0
46 /C, LOAD THE SOFTWARE MATH OM MODULES
47 /C, EXECUTE--ONLY IF NOT USING FPP OR WCS OM VERSIONS
48 /C, TO BYPASS JOB STREAM SKIP 2 FILES
49 /ASSIGN,SI,OC
50 /ASSIGN,BI,SI
51 /FMAIN
52 INPUT,BI
53 ADD,OM,D

```

```

***** $3S * 07/23/75 *****
***** SINCOS * 08/16/74 *****
***** $9E * 07/25/74 *****
***** VS8G * 07/08/75 *****
***** REAL * 07/08/75 *****
***** CSQRT * 07/08/75 *****
***** CRMATH * 07/08/75 *****
***** CSINCCOS * 07/08/75 *****
***** CLOGCEXP * 07/08/75 *****
***** CCMATH * 07/08/75 *****
***** $XE * 07/25/74 *****
***** $YE * 07/25/74 *****
***** $ZE * 07/25/74 *****
***** DATAN2 * 07/25/74 *****
***** DLOG10 * 07/25/74 *****
***** DMOD * 07/25/74 *****
***** DINT * 07/25/74 *****
***** DABS * 07/25/74 *****
***** DMAX1 * 07/25/74 *****
***** DMIN1 * 07/25/74 *****
***** DSIGN * 11/18/74 *****
***** $YK * 07/25/74 *****
***** $YL * 07/25/74 *****
***** $YM * 07/25/74 *****
***** $YN * 07/25/74 *****
***** DBLE * 07/25/74 *****
***** $XC * 07/25/74 *****
***** TANH * 07/25/74 *****
***** ATAN2 * 07/25/74 *****
***** ALOG10 * 07/25/74 *****
***** AMOD * 07/25/74 *****
***** AINT * 07/25/74 *****
***** AMAX0 * 07/25/74 *****
***** AMAX1 * 07/25/74 *****
***** AMIN0 * 07/25/74 *****
***** AMIN1 * 07/25/74 *****
***** DIM * 07/25/74 *****
***** FLOAT * 07/25/74 *****
***** SNGL * 07/25/74 *****
***** MAX0 * 07/25/74 *****
***** MAX1 * 07/25/74 *****

```

1211721

*****	MINO	*	07/25/74	*****
*****	MINI	*	07/25/74	*****
*****	MOD	*	07/25/74	*****
*****	INT	*	07/25/74	*****
*****	IDIM	*	07/25/74	*****
*****	IFIX	*	07/25/74	*****
*****	\$JC	*	07/25/74	*****
*****	\$HE	*	07/23/75	*****
*****	\$PE	*	07/29/74	*****
*****	\$QE	*	07/23/75	*****
*****	ALOG	*	08/09/74	*****
*****	EXP	*	08/09/74	*****
*****	ATAN	*	07/23/75	*****
*****	\$FLOAI	*	07/23/75	*****
*****	\$IFIX	*	07/23/75	*****
*****	IABS	*	07/23/75	*****
*****	ABS	*	07/23/75	*****
*****	ISIGN	*	07/23/75	*****
*****	SIGN	*	07/23/75	*****
*****	\$HMH	*	07/23/75	*****
*****	\$MH	*	07/23/75	*****
*****	\$FA	*	07/23/75	*****
*****	DSINCOS	*	09/30/74	*****
*****	DATAN	*	05/20/75	*****
*****	DEXP	*	09/30/74	*****
*****	DLOG	*	09/30/74	*****
*****	DSQRT	*	04/21/75	*****
*****	POLY	*	07/23/75	*****
*****	\$DFR	*	07/23/75	*****
*****	IDINT	*	07/18/75	*****
*****	DMULT	*	07/23/75	*****
*****	DDIVIDE	*	07/23/75	*****
*****	DADDSUR	*	07/23/75	*****
*****	DNORMAL	*	07/23/75	*****
*****	DLOADAC	*	07/23/75	*****
*****	DSTOREAC	*	07/23/75	*****
*****	DIADDSUB	*	07/11/75	*****
*****	DIMULDIV	*	07/18/75	*****
*****	\$FC	*	07/06/75	*****
*****	\$D2	*	07/04/75	*****
*****	\$TC	*	07/06/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$GC	*	07/10/75	*****
*****	\$6F	*	07/10/75	*****
*****	\$4C	*	07/14/75	*****
*****	\$DE	*	07/16/75	*****
*****	\$4E	*	07/14/75	*****

54 * * E O F * * NO R

55 /FINI

56 * * E O F * * NO 9

57 /JOB,ACLOM

```

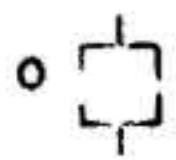
58 /KPMODE,0
59 /C,    LOAD THE FLOATING POINT FIRMWARE AND ACCELLERATOR MATH OM
60 /C,    EXECUTE--ONLY IF 512 WORD WCS AND NO FPP
61 /C,    TO BYPASS JOB STREAM SKIP 2 FILES
62 /ASSIGN,SI,OC
63 /ASSIGN,BI,SI
64 /FMAIN
65 INPUT,BI
66 ADD,OM,D

```

```

***** $3S      * 07/23/74 *****
***** SINCOS   * 08/16/74 *****
***** $9E      * 07/25/74 *****
***** V$RG     * 07/08/75 *****
***** REAL     * 07/08/75 *****
***** CSQRT    * 07/08/75 *****
***** CRMATH   * 07/08/75 *****
***** CSINCCOS * 07/08/75 *****
***** CLOGCEXP * 07/08/75 *****
***** CCMATH   * 07/08/75 *****
***** $XE      * 07/25/74 *****
***** $YE      * 07/25/74 *****
***** $ZE      * 07/25/74 *****
***** DATAN2   * 07/25/74 *****
***** DLOG10   * 07/25/74 *****
***** DMOD     * 07/25/74 *****
***** DINT     * 07/25/74 *****
***** DARS     * 07/25/74 *****
***** DMAX1    * 07/25/74 *****
***** DMIN1    * 07/25/74 *****
***** DSIGN    * 11/18/74 *****
***** $YK      * 07/25/74 *****
***** $YL      * 07/25/74 *****
***** $YM      * 07/25/74 *****
***** $YN      * 07/25/74 *****
***** DBLE     * 07/25/74 *****
***** $XC      * 07/25/74 *****
***** TANH     * 07/25/74 *****
***** ATAN2    * 07/25/74 *****
***** ALOG10   * 07/25/74 *****
***** AMOD     * 07/25/74 *****
***** AINT     * 07/25/74 *****
***** AMAX0    * 07/25/74 *****
***** AMAX1    * 07/25/74 *****
***** AMIN0    * 07/25/74 *****
***** AMIN1    * 07/25/74 *****
***** DIM      * 07/25/74 *****
***** FLOAT    * 07/25/74 *****
***** SNGL     * 07/25/74 *****
***** MAX0     * 07/25/74 *****
***** MAX1     * 07/25/74 *****
***** MIN0     * 07/25/74 *****

```



NO. 100

*****	MINI	*	07/25/74	*****
*****	MOD	*	07/25/74	*****
*****	INT	*	07/25/74	*****
*****	IDIM	*	07/25/74	*****
*****	IFIX	*	07/25/74	*****
*****	\$JC	*	07/25/74	*****
*****	\$HE	*	07/23/74	*****
*****	\$PE	*	07/29/74	*****
*****	\$QE	*	07/23/74	*****
*****	ALOG	*	08/09/74	*****
*****	EXP	*	08/09/74	*****
*****	ATAN	*	07/23/74	*****
*****	\$FLOAT	*	07/23/74	*****
*****	\$IFIX	*	07/23/74	*****
*****	IARS	*	07/23/74	*****
*****	ABS	*	07/23/74	*****
*****	ISTGN	*	07/23/74	*****
*****	SIGN	*	07/23/74	*****
*****	\$HNH	*	07/23/74	*****
*****	\$MHM	*	07/23/74	*****
*****	\$FA	*	07/23/74	*****
*****	DSINCOS	*	09/30/74	*****
*****	DEXP	*	09/30/74	*****
*****	DATAN	*	05/20/75	*****
*****	DLOG	*	09/30/74	*****
*****	DSQRT	*	04/21/75	*****
*****	POLY	*	07/23/74	*****
*****	\$DFR	*	07/23/74	*****
*****	IDINT	*	07/18/75	*****
*****	DMULT	*	07/23/74	*****
*****	DDIVIDE	*	07/23/74	*****
*****	DADDSUR	*	07/23/74	*****
*****	DNORMAL	*	07/23/74	*****
*****	DLOADAC	*	07/23/74	*****
*****	DSTOREAC	*	07/23/74	*****
*****	DIADDSUB	*	07/11/75	*****
*****	DIMULDIV	*	07/18/75	*****
*****	\$FC	*	07/06/75	*****
*****	\$D2	*	07/04/75	*****
*****	\$TC	*	07/06/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$GC	*	07/10/75	*****
*****	\$6E	*	07/10/75	*****
*****	\$4C	*	07/14/75	*****
*****	\$DE	*	07/16/75	*****
*****	\$4E	*	07/14/75	*****

67 * * E O F * * NO 10

68 CREATE,OM,D,WCSIMG,120,20

69 /C, USE MIUTIL TO LOAD WCS, THUS -

70 /C,

71 /C, ENTER ';ASSIGN,RI,XX' WHERE XX IS THE JOB STREAM DEVICE

```

72 /C,      ':SCHED,MIUTIL,10,FL,F'
73 /C,
74 /C, THE MICRO-UTILITY PROGRAM WILL BE LOADED, AND WILL OUTPUT
75 /C, A DEBUG PROMPT MESSAGE, TO WHICH AN 'N' IS ENTERED.
76 /C,
77 /C, MIUTIL WILL THEN OUTPUT THE PROMPT MESSAGE 'MU**', AT WHICH TIME
78 /C, THE 2 DIRECTIVES: 'LC'
79 /C,      'R'      MUST BE ENTERED
80 /C, THESE WILL CAUSE MIUTIL TO LOAD WCS AND EXIT
81 /FINI

```

```

      ***** V1WCSFTE * 05/05/75 *****
82 * * E O F * * NO 11

```

```

83 /JOB,FPPOM
84 /KPMODE,0
85 /C,      LOAD THE FLOATING POINT PROCESSOR MATH OM MODULES
86 /C,      EXECUTE--ONLY IF USING FPP AND NOT USING WCS
87 /C,      TO BYPASS JOB STREAM SKIP 2 FILES
88 /ASSIGN,SI,OC
89 /ASSIGN,BI,SI
90 /FMAIN
91 INPUT,BI
92 ADD,OM,D

```

```

***** $3S      * 06/24/74 *****
***** SINCOS   * 08/16/74 *****
***** $9E      * 07/15/74 *****
***** V$8G     * 07/08/75 *****
***** REAL     * 07/08/75 *****
***** CSQRT    * 07/08/75 *****
***** CRMATH   * 07/08/75 *****
***** CSINCCOS * 07/08/75 *****
***** CLOGCEXP * 07/08/75 *****
***** CCMATH   * 07/08/75 *****
***** $XE      * 07/15/74 *****
***** $YE      * 07/15/74 *****
***** $ZE      * 07/15/74 *****
***** DATAN2   * 07/15/74 *****
***** DLOG10   * 07/15/74 *****
***** DMOD     * 07/15/74 *****
***** DINT     * 07/15/74 *****
***** DABS     * 07/15/74 *****
***** DMAX1    * 07/15/74 *****
***** DMIN1    * 07/15/74 *****
***** DSIGN    * 11/18/74 *****
***** $YK      * 07/15/74 *****
***** $YL      * 07/15/74 *****
***** $YM      * 07/15/74 *****
***** $YN      * 07/15/74 *****
***** DBLE     * 07/15/74 *****
***** $XC      * 07/15/74 *****
***** TANH     * 07/15/74 *****
***** ATAN2    * 07/15/74 *****

```

*****	ALOG10	*	07/15/74	*****
*****	AMOD	*	07/15/74	*****
*****	AINI	*	07/15/74	*****
*****	AMAX0	*	07/15/74	*****
*****	AMAX1	*	07/15/74	*****
*****	AMINO	*	07/15/74	*****
*****	AMINI	*	07/15/74	*****
*****	DIM	*	07/15/74	*****
*****	FLOAT	*	07/15/74	*****
*****	SNGL	*	07/15/74	*****
*****	MAX0	*	07/15/74	*****
*****	MAX1	*	07/15/74	*****
*****	MIN0	*	07/15/74	*****
*****	MIN1	*	07/15/74	*****
*****	MOD	*	07/15/74	*****
*****	INT	*	07/15/74	*****
*****	IDIM	*	07/15/74	*****
*****	IFIX	*	07/15/74	*****
*****	\$JC	*	07/15/74	*****
*****	\$HE	*	06/24/74	*****
*****	\$PE	*	07/29/74	*****
*****	\$QE	*	06/25/74	*****
*****	ALOG	*	08/09/74	*****
*****	EXP	*	08/09/74	*****
*****	ATAN	*	07/16/74	*****
*****	\$FLOAT	*	06/24/74	*****
*****	\$IFIX	*	06/24/74	*****
*****	IABS	*	06/24/74	*****
*****	ABS	*	06/24/74	*****
*****	ISIGN	*	06/24/74	*****
*****	SIGN	*	06/24/74	*****
*****	\$HNH	*	06/24/74	*****
*****	\$MH	*	06/24/74	*****
*****	ISFA	*	06/24/74	*****
*****	DSINCOS	*	09/30/74	*****
*****	DEXP	*	09/30/74	*****
*****	DATAN	*	05/20/75	*****
*****	DLOG	*	09/30/74	*****
*****	DSQRT	*	04/21/75	*****
*****	POLY	*	06/24/74	*****
*****	\$DFR	*	06/24/74	*****
*****	IDINT	*	07/18/75	*****
*****	DMULT	*	06/24/74	*****
*****	DDIVIDE	*	06/24/74	*****
*****	DADDSUB	*	06/24/74	*****
*****	DNORMAL	*	06/24/74	*****
*****	DLOADAC	*	06/24/74	*****
*****	DSTOREAC	*	06/24/74	*****
*****	DIADDSUB	*	07/11/75	*****
*****	DIMJLDIV	*	07/18/75	*****
*****	\$FC	*	07/06/75	*****

*****	\$DZ	*	07/04/75	*****
*****	\$TC	*	07/06/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$GC	*	07/10/75	*****
*****	\$6F	*	07/10/75	*****
*****	\$4C	*	07/14/75	*****
*****	\$DE	*	07/16/75	*****
*****	\$4F	*	07/14/75	*****

93 * * E O F * * NO 12

94 /FINI

95 * * E O F * * NO 13

96 /JOB,FPAOM

97 /KPMODE,0

98 /C, LOAD THE FLOATING POINT PROCESSOR WITH FORTRAN ENHANCEMENTS

99 /C, MATH OM

100 /C, EXECUTE--ONLY IF USING FPP AND 512 WORD WCS

101 /C, TO BYPASS JOB STREAM SKIP 2 FILES

102 /ASSIGN,SI,OC

103 /ASSIGN,BI,SI

104 /FMAIN

105 INPUT,BI

106 ADD,OM,D

*****	\$3S	*	07/19/74	*****
*****	SINCOS	*	08/16/74	*****
*****	\$9E	*	07/22/74	*****
*****	V\$8G	*	07/08/75	*****
*****	REAL	*	07/08/75	*****
*****	CSQRT	*	07/08/75	*****
*****	CRMATH	*	07/08/75	*****
*****	CSINCCOS	*	07/08/75	*****
*****	CLOGCEXP	*	07/08/75	*****
*****	CCMATH	*	07/08/75	*****
*****	\$XF	*	07/22/74	*****
*****	\$YE	*	07/22/74	*****
*****	\$ZE	*	07/22/74	*****
*****	DATAN2	*	07/22/74	*****
*****	DLOG10	*	07/22/74	*****
*****	DMOD	*	07/22/74	*****
*****	DINT	*	07/22/74	*****
*****	DABS	*	07/22/74	*****
*****	DMAX1	*	07/22/74	*****
*****	DMIN1	*	07/22/74	*****
*****	DSIGN	*	11/18/74	*****
*****	\$YK	*	07/22/74	*****
*****	\$YL	*	07/22/74	*****
*****	\$YM	*	07/22/74	*****
*****	\$YN	*	07/22/74	*****
*****	DBLE	*	07/22/74	*****
*****	\$XC	*	07/22/74	*****
*****	TANH	*	07/22/74	*****
*****	ATAN2	*	07/22/74	*****

*****	ALOG10	*	07/22/74	*****
*****	AMOD	*	07/22/74	*****
*****	AINI	*	07/22/74	*****
*****	AMAX0	*	07/22/74	*****
*****	AMAX1	*	07/22/74	*****
*****	AMINO	*	07/22/74	*****
*****	AMINI	*	07/22/74	*****
*****	DIM	*	07/22/74	*****
*****	FLOAT	*	07/22/74	*****
*****	SNGL	*	07/22/74	*****
*****	MAX0	*	07/22/74	*****
*****	MAX1	*	07/22/74	*****
*****	MIN0	*	07/22/74	*****
*****	MIN1	*	07/22/74	*****
*****	MOD	*	07/22/74	*****
*****	INT	*	07/22/74	*****
*****	IDIM	*	07/22/74	*****
*****	IFIX	*	07/22/74	*****
*****	\$JC	*	07/22/74	*****
*****	\$HF	*	07/19/74	*****
*****	\$PE	*	07/29/74	*****
*****	\$QE	*	07/19/74	*****
*****	ALOG	*	10/09/74	*****
*****	EXP	*	10/09/74	*****
*****	ATAN	*	07/19/74	*****
*****	\$FLOAT	*	07/19/74	*****
*****	\$IFIX	*	07/19/74	*****
*****	IABS	*	07/19/74	*****
*****	ABS	*	07/19/74	*****
*****	ISIGN	*	07/19/74	*****
*****	SIGN	*	07/19/74	*****
*****	\$HMH	*	07/19/74	*****
*****	\$HMH	*	07/19/74	*****
*****	ISFA	*	07/19/74	*****
*****	DSINCOS	*	09/30/74	*****
*****	DEXP	*	09/30/74	*****
*****	DATAN	*	05/20/75	*****
*****	DLOG	*	09/30/74	*****
*****	DSQRT	*	04/21/75	*****
*****	POLY	*	07/19/74	*****
*****	\$DFR	*	07/19/74	*****
*****	IDINT	*	07/18/75	*****
*****	DMULT	*	07/19/74	*****
*****	DDIVIDE	*	07/19/74	*****
*****	DADDSUB	*	07/19/74	*****
*****	DNORMAL	*	07/19/74	*****
*****	DLOADAC	*	07/19/74	*****
*****	DSTOREAC	*	07/19/74	*****
*****	DIADDSUB	*	07/11/75	*****
*****	DIMULDIV	*	07/18/75	*****
*****	\$FC	*	07/06/75	*****

*****	\$D2	*	07/04/75	*****
*****	\$TC	*	07/06/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$TE	*	07/05/75	*****
*****	\$GC	*	07/10/75	*****
*****	\$6E	*	07/10/75	*****
*****	\$4C	*	07/14/75	*****
*****	\$DE	*	07/16/75	*****
*****	\$4E	*	07/14/75	*****

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107 * * E O F * * NO 14
108 CREATE,OM,D,WCSIMG,120,20
109 /C, USE MIUTIL TO LOAD WCS, THUS -
110 /C,
111 /C, ENTER ';ASSIGN,BI,XX' WHERE XX IS THE JOB STREAM DEVICE
112 /C, ';SCHED,MIUTIL,10,FL,F'
113 /C,
114 /C, THE MICRO-UTILITY PROGRAM WILL BE LOADED, AND WILL OUTPUT
115 /C, A DEBUG PROMPT MESSAGE, TO WHICH AN 'N' IS ENTERED.
116 /C,
117 /C,MIUTIL WILL THEN OUTPUT THE PROMPT MESSAGE 'MU**',AT WHICH TIME
118 /C, THE 2 DIRECTIVES: 'LC'
119 /C, 'R' MUST BE ENTERED
120 /C, THESE WILL CAUSE MIUTIL TO LOAD WCS AND EXIT
121 /FINI

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*****	FPPWCS	*	07/09/75	*****
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122 * * E O F * * NO 15
123 /JOB,VTMOM
124 /KPMODE,0
125 /C, THE FOLLOWING JOB STREAMS SHOULD BE EXECUTED ONLY IF VTAM HAS
126 /C, BEEN INCLUDED IN THE SYSTEM.
127 /C, TO BYPASS JOB STREAM SKIP 15 FILES
128 /ASSIGN,SI,OC
129 /C,
130 /C, FMAIN IS CALLED TO CREATE THE FILES VT$DFL AND VT$DFT, WHICH
131 /C, ARE USED BY NDM TO STORE THE TERMINAL AND LINE PROTOTYPE TABLES
132 /C, IF THE FILES ARE ALREADY PRESENT IN THE FOREGROUND LIBRARY
133 /C, FMAIN WILL ISSUE A **FM02 DIAGNOSTIC WHICH THE OPERATOR SHOULD
134 /C, IGNORE BY TYPING THE LETTER 'C' ON THE 'SO' LOGICAL UNIT.
135 /C, SEE THE VORTEX REFERENCE MANUAL FOR A DETAILED DESCRIPTION
136 /C, OF FMAIN OPERATION.
137 /FMAIN
138 CREATE,FL,F,VT$DFL,120,11
139 CREATE,FL,F,VT$DFT,120,4
140 /ASSIGN,BI,SI
141 /LMGEN
142 TIDB,NDM,1,3
143 LD,BI

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*****	NDL	*	12/21/74	*****
*****	ADVANC	*	12/21/74	*****
*****	BACKUP	*	12/21/74	*****

*****	BITSET	*	03/07/74	*****
*****	COMPAR	*	05/01/75	*****
*****	DIAG	*	12/21/74	*****
*****	GETCHR	*	12/21/74	*****
*****	GETLSD	*	12/21/74	*****
*****	HEADER	*	12/21/74	*****
*****	NUMBER	*	12/21/74	*****
*****	PUTLSD	*	12/21/74	*****
*****	PUTTCD	*	12/21/74	*****
*****	SHRINK	*	12/21/74	*****
*****	TUID	*	12/21/74	*****

144 * * E O F * * NO 16

145 LIB
146 OV,CLEAR
147 LD,BI

*****	CLEAR	*	12/21/74	*****
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148 * * E O F * * NO 17

149 LIB
150 OV,PARSE
151 LD,BI

*****	PARSE	*	05/01/75	*****
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152 * * E O F * * NO 18

153 LIB
154 OV,REPORT
155 LD,BI

*****	REPORT	*	12/21/74	*****
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156 * * E O F * * NO 19

157 LIB
158 END,BL,E
159 /C, THE FOLLOWING JOB ENTERS THE EXTERNAL NAMES 'VT\$LTT' AND 'TC\$TCD'
160 /C, INTO THE OM LIBRARY. THESE EXTERNALS ARE NEEDED BY THE LOAD MODULE
161 /C, GENERATION FOR NCM, WHEN A TCM IS NOT INCLUDED IN THE VTAM SYSGEN.
162 /FINI

163 /JOB,ADDOM
164 /KPMODE,0
165 /C, THIS JOB ENTERS THE EXTERNALS 'VT\$LTT' AND 'TC\$TCD' INTO OM.
166 /ASSIGN,BI,SI
167 /FMAIN
168 INPUT,BI
169 ADD,OM,D

*****		*	07/11/73	*****
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170 * * F O F * * NO 20

171 /ENDJOB
172 /C, THE FOLLOWING JOB LOADS THE NETWORK CONTROL MODULE.
173 /FINI
174 /JOB,LOADNCM
175 /KPMODE,0
176 /C, LOAD THE NETWORK CONTROL MODULE ON TO THE FOREGROUND LIBRARY.
177 /ASSIGN,BI,SI
178 /LMGEN
179 TTDB,NCM,2,0

180 LD,RI

***** NCM * 03/04/74 *****

181 * * E O F * * NO 21

182 LIB

183 END,FL,F

184 /C, THE FOLLOWING JOB LOADS THE LINE OPEN/CLOSE TASK

185 /FINI

186 /JOB,LOADOCL

187 /KPMODE,0

188 /C, LOAD THE LINE OPEN/CLOSE TASK ON TO THE FOREGROUND LIBRARY.

189 /ASSIGN,BT,SI

190 /LMGEN

191 TIDR,VT\$OCL,2,0

192 LD,RI

***** VT\$OCL * 03/04/74 *****

193 * * E O F * * NO 22

194 LIB

195 END,FL,F

196 /C, THE FOLLOWING JOB LOADS THE OPEN/CLOSE JCP DIRECTIVE PROCESSORS.

197 /FINI

198 /JOB,LOADJOC

199 /KPMODE,0

200 /C, LOAD THE JCP /OPEN AND /CLOSE DIRECTIVE PROCESSORS ON TO

201 /C, THE BACKGROUND LIBRARY.

202 /ASSIGN,BT,SI

203 /LMGEN

204 TIDR,OPEN,1,0

205 LD,RI

***** OPEN * 03/04/74 *****

206 * * E O F * * NO 23

207 LIB

208 END,BL,E

209 TIDR,CLOSE,1,0

210 LD,RI

***** CLOSE * 03/04/74 *****

211 * * E O F * * NO 24

212 LIB

213 END,BL,F

214 /C, THE FOLLOWING JOB LOADS THE VTAM FORTRAN OBJECT TIME MODULES.

215 /FINI

216 /JOB,LOADFOC

217 /C, LOAD THE FORTRAN OBJECT TIME MODULES TO OPEN AND CLOSE

218 /C, TERMINALS AND LINES ON TO THE OM LIBRARY.

219 /ASSIGN,BI,SI

220 /FMAIN

221 INPUT,BI

222 ADD,OM,D

***** VT\$UPN * 03/04/74 *****

223 * * E O F * * NO 25

224 ADD,UM,D

***** VT\$CLS * 03/04/74 *****

225 * * F O F * * NO 26
 226 /ENDJOB
 227 /C,*****
 228 /C, THE FOLLOWING JOB SHOULD NOT BE RUN FOR VTAM SYSTEMS WITHOUT A TCM.
 229 /C, IF THIS IS THE CASE THEN THIS COMPLETES THE VTAM JOB STREAM
 230 /C,*****
 231 /C, THE FOLLOWING JOB STREAM LOADS THE TERMINAL OPEN/CLOSE TASK
 232 /C, ON TO THE FOREGROUND LIBRARY.
 233 /FINI

234 /JOB,LOADOCT
 235 /C, LOAD THE TERMINAL OPEN/CLOSE TASK AND OVERLAYS ON TO THE
 236 /C, FOREGROUND LIBRARY
 237 /ASSIGN,HT,SI
 238 /LMGEN
 239 TIDB,VT\$OCT,2,2
 240 LD,RI

***** VT\$OCT * 05/02/75 *****
 241 * * F O F * * NO 27

242 LIB
 243 OV,TTIYTCM
 244 LD,RI

***** TTIYTCM * 03/04/74 *****
 245 * * E O F * * NO 28

246 LIB
 247 OV,DUMMY
 248 LD,RI

***** DUMMYT * 03/04/74 *****
 249 * * E O F * * NO 29

250 LIB
 251 END,FL,F
 252 /C, THIS COMPLETES THE VTAM JOB STREAM
 253 /FINI

254 * * F O F * * NO 30
 255 /JOB,BDPOM
 256 /KPMODE,0
 257 /C, LOAD THE BASIC DATA PLOT OM MODULES
 258 /C, EXECUTE--ALWAYS IF DATA PLOT IS DESIRED
 259 /C, TO BYPASS JOB STREAM SKIP 2 FILES

260 /ASSIGN,SI,OC
 261 /ASSIGN,RI,SI
 262 /FMAIN
 263 INPUT,RI
 264 ADD,UM,D

***** PLOTS * 08/12/74 *****
 ***** PLOT * 08/12/74 *****
 ***** V\$DPCN * 08/12/74 *****
 ***** APPEND * 08/12/74 *****
 ***** DPSORT * 08/12/74 *****
 ***** DPLOT * 08/12/74 *****
 ***** MATRIX * 08/12/74 *****

265 * * F O F * * NO 31

266 /FINI
267 * * E O F * * NO 32
268 /JOB, VDPOM

269 /KPMODE, 0
270 /C, THIS JOB STREAM SHOULD BE RUN IF THE VORTEX COMPATABLE
271 /C, DATA PLOT ROUTINES ARE TO BE LOADED INTO THE OM LIBRARY
272 /C, NOTE--THIS SHOULD NOT BE RUN IF THE MOS COMPATABLE ROUTINES
273 /C, JOB STREAM IS TO BE RUN
274 /C, TO BYPASS JOB STREAM SKIP 2 FILES
275 /ASSIGN, SI, OC
276 /ASSIGN, BI, SI
277 /FMAIN
278 INPUT, BI
279 ADD, OM, D

***** AXISV * 12/21/74 *****
***** LINEV * 12/21/74 *****
***** NUMBRV * 12/21/74 *****
***** SCALEV * 12/21/74 *****
***** SYMBOLV * 08/12/74 *****

280 * * E O F * * NO 33
281 /FINI
282 * * F O F * * NO 34
283 /JOB, MDPOM
284 /KPMODE, 0

285 /C, THIS JOB STREAM SHOULD BE RUN IF THE MOS COMPATABLE
286 /C, DATA PLOT ROUTINES ARE TO BE LOADED INTO THE OM LIBRARY
287 /C, NOTE--THIS SHOULD NOT BE RUN IF THE VORTEX COMPATABLE ROUTINE
288 /C, JOB STREAM IS TO BE RUN
289 /C, THIS JOB STREAM ENDS THE SGL
290 /ASSIGN, SI, OC
291 /ASSIGN, BI, SI
292 /FMAIN
293 INPUT, BI
294 ADD, OM, D

***** SCALFM * 12/21/74 *****
***** DATAM * 12/21/74 *****
***** SYMBLM * 12/21/74 *****
***** AXISM * 12/21/74 *****
***** NUMBRM * 12/21/74 *****
***** CHARM * 08/12/74 *****

295 * * E O F * * NO 35
296 /FINI
297 * * E O F * * NO 36
298 * * E O F * * NO 37

** F I N I **

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