



\$SIGNON 00RL T=4.0M C=600 P=150

\*\*LAST SIGNON WAS: 13:55.22 03-11-70

USER "00RL" SIGNED ON AT 15:38.25 ON 03-11-70

\$RUN \*FORTRAN SPUNCH=-0PJ PAR=SOURCE,M&P

EXECUTION BEGINS

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0001      INTEGER*2  A(15050),NBR,LEN
0002      DIMENSION  KONT(6000),ZMCL(6000),DIST(32,32),MDST(32,32),LMOL(40)
0003      DIMENSION  QTP(20),KQNC(10000),CDIST(32,32),FCCNC(2),CLDST(32,32)
0004      DIMENSION  VMAR(30),VLMAR(30),CMAR(30),OPTM(20)
0005      DIMENSION  CSDT(32,32),OPTA(20),OPTB(20)
0006      572  FORMAT(6I10,2E12.4)
0007      571  FCRMAT(25(1X,74))
0008      52  FORMAT(10I8/10I8/10I8/10I8)
0009      17  FCRMAT (3I10,2F10.4)
0010      717  FORMAT(20I4)
0011      83  FORMAT(11I0)
0012      7  FCRMAT (20A4)
0013      82  FORMAT(2F15.6)
0014      87  FORMAT (1I15,5F14.6)
0015      5  FORMAT (8I5,5F8.4)
0016      88  FORMAT(11E10.4)
0017      100  FCRMAT(11I15,1F14.6)
0018      DATA FSE,LEN,MDC/'FSE',3,128/
0019      READ(5,5) NBR,NSSB,NLEV,NCS,NDIV,NCC,NCRG,NMA,BB,FRT,FAC,FREQ,SCR
0020      READ(5,17) NSPCA,NSTCA,NCIP,PC,DRM
0021      NSSBS=NSSB
0022      LT=0
0023      KCUNT=0
0024      JK=0
0025      MOLES=0
0026      MKONT=0
0027      NOG=0
0028      CCNCM=0.0
0029      CONCL=10000.0
0030      ZMCL=0.0
0031      DO 74 I=1,40
0032      74  LMOL(I)=0
0033      BASE=0.0
0034      NOR=0
0035      L=0
0036      NKSD=SDR*FREQ/(2.0*FRT*FAC*NCS)
0037      SOEK=FRT*FAC*NCS*2.0/FREQ
0038      CALL FCSTAP
0039      IF(NCC.NE.0) GO TO 73
0040      28  CALL CORCT(A,NBR,822)
0041      INER=NBR/2
0042      22  NCC=NCC+1
0043      DO 23 I=4,INBR,25
0044      IF(I.GT.1004) GO TO 24
0045      BASE=BASE+A(I)/40.0
0046      GO TO 23
0047      24  IBASE=BASE
0048      KLEV=A(I)-IBASE
0049      IF (KLEV.LE.NLEV) GO TO 26
0050      LT=LT+1
0051      FCCN=FCCN+KLEV
0052      GO TO 23
0053      26  BASE=(BASE*30.0+A(I))/31.0
0054      23  CONTINUE
0055      FCCNC(NCC)=FCCN/LT

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0056      IF (NDD.EQ.1) GO TO 28
0057      WRITE (6,82) (FCCNC(I),I=1,2)
0058      73      ITMZ=0
0059      READ(5,83) ISREC
0060      71      IF(ITMZ.GE.ISREC) GO TO 70
0061      CALL WRITE(FSF,LEN,MCC,C,2)
0062      ITMZ=ITMZ+1
0063      GO TO 71
0064      70      CALL CORCT(A,NBR,88C)
0065      INBR=NBR/2
0066      IPRT=INBR-24
0067      WRITE(6,571) (A(I),I=1,25)
0068      WRITE(6,571) (A(I),I=IPRT,INBR)
0069      NDR=NDR+1
0070      IF(NDR.GT.1) NSSB=4
0071      IF(NDR.GT.1) GO TO 30
0072      DO 20 I=4,NSSB
0073      20      BASE=BASE+A(I)/(NSSE+C.0001)
0074      IBASE=BASE
0075      30      DO 60 I=NSSB,INBR,ACS
0076      IF(A(I).EQ.0) GO TO 50
0077      IF(A(I).EQ.1023) GO TO 50
0078      KLEVI=IBASE-A(I)
0079      IF (KLEVI.LE.NLEV) GO TO 40
0080      KCUNT=KCUNT+1
0081      MCLES=MCLES+KLEVI
0082      GO TO 60
0083      40      IF(KCUNT.LT.NKSD) GO TO 51
0084      L=L+1
0085      KONT(L)=KCUNT
0086      ZMOLE(L)=MCLES
0087      KONC(L)=MCLES/KCUNT
0088      IF(KCUNT.GT.MKONT) MKONT=KCUNT
0089      IF(KONC(L).GT.CCNCM) CCNCP=KONC(L)
0090      IF(KONC(L).LT.CCNCL) CCNCL=KONC(L)
0091      51      IF(KLEVI.GT.50) GO TO 50
0092      BASE=(BR*BASE+A(I))/(BR+1.C)
0093      IBASE=BASE
0094      50      KCUNT=0
0095      MCLES=0
0096      60      CONTINUE
0097      WRITE(6,572) L,MKONT,NBR,IBASE,NCR,KCUNT,CCNCP,CCNCL
0098      GO TO 70
0099      NDC=NDC+1
0100      IF(NDC.GE.NCRG) GO TO 63
0101      NCR=0
0102      NSSR=NSSRS
0103      BASE=0.0
0104      GO TO 73
0105      63      CONTINUE
0106      STGT=0.0
0107      S1=C.C
0108      C1=C.0
0109      S2=0.0
0110      SIC1=0.0

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0111      C2=0.0
0112      S3=0.0
0113      S2C1=0.0
0114      S1C2=0.0
0115      C3=0.0
0116      DO 78 I=1,L
0117      SQAC=KONT(I)*SCEK
0118      SQAD2=SQAD*SQAD
0119      SQAD3=SQAD2*SQAD
0120      CONCZ=(KONC(I)-CONCL)/(CCNCM-CONCL)
0121      CCAD=SQAD*CONCZ
0122      CCAD2=CCAD*CONCZ
0123      STOT=STCT+SQAD
0124      S1=S1+SQAD2
0125      C1=C1+CCAD
0126      S2=S2+SQAD3
0127      S1C1=S1C1+SQAD*CCAD
0128      C2=C2+CCAD2
0129      S3=S3+SQAD3*SQAD
0130      S2C1=S2C1+SQAD2*CCAD
0131      S1C2=S1C2+SQAD*CCAD2
0132      C3=C3+CCAD2*CONCZ
0133      ZMCLE(I)=ZMCLE(I)-KONT(I)*CONCL
0134      IF (ZMCLE(I).GT.ZMMCL) ZMMCL=ZMCLE(I)
0135      IF (KONT(I).LE.LMCL(I)) GO TO 78
0136      DO 72 I1=2,40
0137      IF (KONT(I).LT.LMCL(I1)) GO TO 77
0138      72  LMCL(I1-1)=LMCL(I1)
0139      I1=I1+1
0140      77  LMCL(I1-1)=KONT(I)
0141      78  CONTINUE
0142      SUM=0.0
0143      DO 52 IF=0,38
0144      I=40-IF
0145      SUM=SUM+LMCL(I)*SCEK/STCT
0146      IF (SUM.GT.DPC.AND.LMCL(I).NE.LMCL(I-1)) GO TO 54
0147      53  CONTINUE
0148      54  LMC=LMCL(I-1)
0149      IF (CRM.GT.0.0) LMC=CRM/SCEK
0150      DO 21 I=1,NMA
0151      VMAR(I)=0.0
0152      VLMAR(I)=0.0
0153      21  CMAR(I)=0.0
0154      KGB=NDIP
0155      IF (NDIM.GT.NDIP) KGB=NDIM
0156      DO 85 I=1,KGB
0157      DO 85 J=1,KGB
0158      CCIST(I,J)=0.0
0159      CSDT(I,J)=0.0
0160      CLDST(I,J)=0.0
0161      85  MDST(I,J)=0
0162      DCM=(CONCM-CONCL)/(NDIP-0.001)
0163      DVM=(LMC-NKSD)/(NDIP-1.001)
0164      DC=(CONCM-CONCL)/(NDIM-0.0001)
0165      DM=ZMMCL/(NDIM-0.001)
    
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0166      DV=(MKONT-NKSD)/(NDIM-0.001)
0167      DVV=(MKONT-NKSD)/(NMA-0.001)
0168      ECC=(CONCM-CCNCL)/(NMA-0.001)
0169      BLOG=ALOG(MKONT+C.0001)
0170      SLOG=ALOG(NKSD+C.0001)
0171      DLV=(BLOG-SLOG)/(NDIM-0.0001)
0172      DLVV=(BLOG-SLOG)/(NMA-0.001)
0173      KTOT=0
0174      DO 90 I=1,L,1
0175      KCZT=KONT(I)
0176      KTOT=KTCT+KCZT
0177      CLOG=ALOG(KOZT+C.0001)-SLOG
0178      CONT=KONC(I)-CCNCL
0179      KOLT=KOZT-NKSD
0180      JKK=CLOG/DLV
0181      JMM=ZMCLE(I)/DM
0182      JCC=CONT/DC
0183      JNN=KOLT/DV
0184      JVV=KOLT/DVV
0185      JLV=CLOG/DLVV
0186      JCLC=CONT/ECC
0187      JKKK=KOLT/DCM
0188      JCCC=CONT/DCM
0189      IF (JKKK.GE.NDIP) JKKK=NDIP-1
0190      VMAR(JVV+1)=VMAR(JVV+1)+KONT(I)
0191      VLMAR(JLV+1)=VLMAR(JLV+1)+KONT(I)
0192      CMAR(JCLC+1)=CMAR(JCLC+1)+KONT(I)
0193      CDIST(JKK+1,JCC+1)=CDIST(JKK+1,JCC+1)+KONT(I)
0194      CSDT(JKKK+1,JCCC+1)=CSDT(JKKK+1,JCCC+1)+KOZT
0195      CLDST(JNN+1,JCC+1)=CLDST(JNN+1,JCC+1)+KONT(I)
0196      90 MDST(JKK+1,JMM+1)=MDST(JKK+1,JMM+1)+KONT(I)
0197      TVOL=KTCT
0198      DO 25 I=1,NMA
0199      VMAR(I)=VMAR(I)/TVOL
0200      VLMAR(I)=VLMAR(I)/TVOL
0201      25 CMAR(I)=CMAR(I)/TVOL
0202      KGB=NDIP
0203      IF (NDIM.GT.NDIP) KGE=NDIM
0204      DO 95 I=1,KGB
0205      DO 95 J=1,KGB
0206      CSDT(I,J)=CSDT(I,J)/TVOL
0207      CDIST(I,J)=CDIST(I,J)/TVOL
0208      CLDST(I,J)=CLDST(I,J)/TVOL
0209      95 CIST(I,J)=MDST(I,J)/TVOL
0210      ADS=S1/STCT
0211      SMV=S2/STCT
0212      TMV=S3/STCT
0213      CVC=S1C1/STCT
0214      SMC=C2/STCT
0215      TMC=C3/STCT
0216      ACCN=C1/STCT
0217      SMVAC=S2C1/STCT
0218      SMCAY=S1C2/STCT
0219      DMAX=MKONT*SCEK
0220      DRM=LMC*SCEK

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FORM 1411-3

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0221      DMIN=(NKSD  )*SCEK
0222      WRITE(6,100) LMC,SCEK
0223      WRITE(6,88)  DCM,DVM,DC,DM,CV,CVV,DCC,BLOG,SLCG,DLV,DLVV
0224      WRITE(6,87)  NKCNT,DMAX,DMIN,DRM,CCNCM,CCNCL
0225      WRITE(6,87)  L,ADS,SMV,TMV,CVC,SMVAC
0226      WRITE(6,87)  NKSD,ACCN,SMC,TMC,SMCAV,STCT
0227      READ (5,7)  (OTP(I),I=1,20)
0228      WRITE (6,OTP) ((CLDST(I,J),J=1,NDIM),I=1,NDIM)
0229      WRITE (6,OTP) ((CIIST(I,J),J=1,NDIM),I=1,NDIM)
0230      WRITE (6,OTP) ((DIST(I,J),J=1,NDIM),I=1,NDIM)
0231      READ(5,7) (OPTM(I),I=1,20)
0232      WRITE(6,OPTM) (VMAR(I),I=1,NMA),(VLMAR(I),I=1,NMA),(CMAR(I),
2 I=1,NMA)
0233      READ (5,7) (OPTA(I),I=1,20)
0234      WRITE(6,OPTA) ((CSCT(I,J),J=1,NCIP),I=1,NCIP)
0235      IF (NSPDA.LT.1) GO TO 18
0236      WRITE(4,717) (KCNT(I),KONC(I),I=1,L)
0237      18 IF (NSTDA.LT.1) GO TO 19
0238      READ (5,7) (OPTB(I),I=1,20)
0239      WRITE(6,87) L,CMAX,DMIN,ADS, SMV,CVC
0240      WRITE(6,87) L,CCNCL,CCNCM,SCEK,TVCL,STCT
0241      WRITE(6,52) (LMOL(I),I=1,40)
0242      WRITE(6,OPTB) (KCNT(I),KONC(I),I=1,L)
0243      19 CONTINUE
0244      END
    
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FORM 1411-3

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SUBPROGRAMS CALLED

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
IBCCM#	248	PCSTAP	240	CORCT	250	WRITE	254	ALCG	258

SCALAR MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
FSF	280	MCD	290	NSSB	294	NLEV	298	NCS	290
NDIM	2AC	NCO	2A4	NCRG	2A8	NMA	2AC	BB	2BC
FRT	2B4	FAC	2B8	FREQ	2BC	SDR	2CO	NSPDA	2C4
NSTDA	2C8	NDIP	2CC	CPC	2C0	DRM	2C4	NSSBS	2D8
LT	2CC	KCUNT	2E0	JK	2E4	MOLES	2E8	MKONT	2EC
NCG	2F0	CONCM	2F4	CONCL	2F8	ZMMCL	2FC	I	300
BASE	304	NCR	308	L	300	NKSD	310	SOEK	314
INBR	318	IBASE	310	KLEV	320	FCON	324	ITMZ	328
ISREC	320	IPRT	330	KLEV1	334	STOT	338	S1	330
CI	340	S2	344	SIC1	348	C2	340	S3	350
S2C1	354	SIC2	358	C3	350	SCAD	360	SCAD2	364
SCAD3	368	CCNCZ	360	CCAD	370	CCAD2	374	I1	378
SUM	370	IE	380	LMO	384	KGB	388	J	380
DCM	380	DVM	394	DC	398	DM	390	DV	3A0
DVV	3A4	CCC	3A8	BLOG	3AC	SLOG	3B0	DLV	3B4
DLVV	3B8	KTOT	3BC	KCZT	3C0	CLCG	3C4	CONT	3C8
KCLT	300	JKK	3D0	JMM	3D4	JCC	3D8	JNN	3DC
JVV	3E0	JLV	3E4	JCLC	3E8	JKKK	3EC	JCCC	3FC
TVCL	3F4	ADS	3F8	SMV	3FC	TMV	400	CVC	404
SMC	408	TMC	400	ACON	410	SMVAC	414	SMCAV	418
DMAX	410	DMIN	420	LEN	424	NER	426		

ARRAY MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
A	428	KONT	7980	ZMLE	D770	DIST	13530	MDST	14530
LMGL	15530	QTP	15500	KCNC	15620	CDIST	1F260	FCCNC	20260
CLDST	20274	VMAP	21274	VLMAR	212EC	CMAR	21364	OPTM	21300
CSDT	21420	CPTA	22420	OPTB	22470				

FORMAT STATEMENT MAP

SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION	SYMBOL	LOCATION
572	22400	571	224D7	52	224E0	17	224F5	717	22500
83	22506	7	22500	82	22512	87	22519	5	22524
88	2252F	100	22536						

TOTAL MEMORY REQUIREMENTS 024202 BYTES  
EXECUTION TERMINATED

FORM 1411-3

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\$RUN \*STATUS  
EXECUTION BEGINS

STATUS OF CORL AT LAST SIGNOFF      USED      MAXIMUM      REMAINING

CUMULATIVE CHARGE	(\$)	212.09	300.00	87.91
CURRENT DISK SPACE	(PAGES)	0	20	20
CUMULATIVE DISK STORAGE	(PG-CA)	1.36		
CUMULATIVE MEMCFY--CPU	(PG-FR)	20.87		
CUMULATIVE MEMORY--WAIT	(PG-FR)	111.36		
CUMULATIVE CPU TIME	(HR)	0.49		
CUMULATIVE LINES PRINTED		12394		
CUMULATIVE PAGES PRINTED		327		
CUMULATIVE CARDS PUNCHED		2530		
CUMULATIVE CARDS READ		4787		
BATCH SESSIONS		17		
EXPIRATION DATE AND TIME:	05-05-70 24:00.00			

EXECUTION TERMINATED

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FORM 1411-3

36.9

\$RUN \*MCUNT;PAR=G692 CN 7TP,PNAME=\*CT\*,MODE=2CF,SIZE=30100,'ECATA',RING OUT  
EXECUTION BEGINS  
G692 CN 7TP,PNAME=\*CT\*,MODE=2CF,SIZE=30100,'ECATA',RING OUT

\*DT\*: MOUNTED ON TOCD  
EXECUTION TERMINATED

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FORM 1411-3

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\$RUN -OBJ\*\*SOURCE\* \*SINK\*: 2=\*DT\* 5=\*SOURCE\* 6=\*SINK\* 4=\*FLNCH\* 7=STORC

ENTRY = 503000 SIZE = 027ACC

NAME	VALUE	T	RF	NAME	VALUE	T	RF	NAME	VALUE	T	RF
GETSPACE	20D21A	*		FREESPAC	20D50E	*		ERROR#	214B8E	*	
MTS#	214BAA	*		CANREPLY	2171FA	*		GDINFO	21724E	*	
SETJOBERR	21747C	*		PCINT	2177EC	*		SCARDS#	217D84	*	
SPRINT#	217D96	*		SPRINT	217D96	*		SPLNCH#	217DA8	*	
SERCCM#	217DPA	*		RFAD#	217E38	*		READ	217E38	*	
WRITE#	217E54	*		WRITE	217E54	*		LCSYMBOL	218A00	*	
CGRCT	5000D8	5000D8		PCSTAP	500240	5000D8		REWIND#	50031C	*500310	
IHCSLOG	5004A0	*5004A0		ALOG	5004BC	*		MAIN	503000	503000	
FIDCS#	5272C8	*5272C8		IRCOM#	528000	*528000		ADCCN#	52A000	*52A000	
FCV7C	52A154	*		FCVAC	52A1FA	*		FCVLC	52A282	*	
FCVIO	52A5A8	*		FCVED	52AA9A	*		FCVCC	52ACAC	*	

EXECUTION REGINS

0100	0000	0000	01FF	01E1	01EF	01F7	01F6	01F3	01E3	01CF	01F9	020E	01FF	01F7	01F7	01F9	0209	C214	01FE	01EB	01FF	0209	C2C1	C201
035B	035E	0373	038B	038A	037F	037A	038B	C354	C382	0370	036C	0371	0373	037E	0374	035C	035E	037B	0387	0386	0387	038C	C38B	C399
13	916	30006	865	1	0	0.6190E	03	C.364CE	03															
0200	0000	0000	0372	0377	0386	0391	0383	0381	0387	0387	0383	037A	C366	0368	037C	0379	036B	0361	C357	0366	0381	037F	C377	C37F
037B	0393	0393	0387	0386	038F	0394	0397	0384	0378	0380	038C	C38E	C38A	0374	0363	0386	0397	038C	0390	038C	0384	0397	C397	0378
17	916	30006	894	2	0	0.6190E	03	C.364CE	03															
0300	0000	0000	0377	0387	0387	0383	0386	038C	C391	038B	036F	036C	037D	037F	0380	0379	0369	036F	0384	038B	038B	C397	C38B	038E
0153	0154	0160	016A	0157	013F	0147	014C	0156	0157	014B	012A	0143	C15F	C165	C15E	015F	0156	0161	0171	015A	0141	0148	C157	0157
33	1069	30006	889	3	29	0.6560E	03	0.2850E	03															
0400	0000	0000	0142	0147	0168	0159	013F	0149	C143	013E	0149	0157	0137	011E	0147	0158	0157	0155	014C	014F	0157	C157	C147	013C
034F	037D	0386	0376	0370	0387	038F	0387	0376	C366	0374	038C	C391	C389	038D	C392	0390	038F	037E	036F	036F	037F	0383	0376	0366
38	1069	30006	896	4	0	0.6560E	03	0.2710E	03															
0500	0000	0000	0386	037F	036B	035F	036B	C378	C37E	0376	0363	035E	0375	C38F	038D	038B	038F	038F	0396	038C	0373	036F	C380	038A
035C	035C	0372	037C	036E	036D	036D	0369	0382	0389	0377	C375	037E	038D	038D	036A	0355	C364	C371	036B	0366	035B	0352	C367	037A
62	1371	30006	890	5	0	0.6560E	03	0.2710E	03															
0600	0000	0000	036A	0377	037E	037A	0371	036C	C35F	037C	0386	0386	0387	0384	038A	038C	037F	035F	035E	0377	037C	0373	036F	C366
036F	0361	036D	038C	0386	0375	035C	0357	02F1	0234	01FF	01D2	01A6	020F	02C2	C307	031E	C336	035A	0379	038C	0383	037F	037B	0387
85	1371	30006	893	6	0	0.6560E	03	0.2710E	03															
0700	0000	0000	0372	0363	0372	038F	038F	0383	C283	0386	C38D	0391	C380	0369	036F	0377	036F	0372	0367	0357	0370	038A	C380	037A
00E7	00E6	00E7	00F1	00FA	00F4	00D7	00D0	00DE	00E7	00F6	00E7	00CA	00D2	00EF	00EB	00E3	00ED	00F3	00F7	00FC	00FB	00C9	00C7	00DE
101	1371	30006	887	7	379	0.6570E	03	0.2710E	03															
0800	0000	0000	00FE	00EB	00EF	00FF	0107	00F3	00DB	00DA	00EB	00FC	00F3	00ED	00E2	00EF	010F	0109	0100	01C4	00FB	0107	01C7	00FE
0367	0367	036E	036F	036A	0359	0354	036C	0386	C38A	038D	0386	0389	038A	0384	0373	036B	0376	037C	0379	0377	036B	C363	037C	038E
117	1371	30006	892	8	0	0.6570E	03	0.2710E	03															
0900	0000	0000	036F	0377	0381	0381	0372	0357	0348	036A	0387	038D	038B	0389	0389	0393	038E	0375	0370	037E	037F	037E	0379	0363
0384	0388	0384	0387	038F	0393	0392	037C	036B	C370	037F	038C	0387	0376	0363	0374	038F	038B	0387	038C	0391	C393	C397	037B	037C
120	1371	30006	891	9	0	0.6570E	03	C.2710E	03															
0001	0000	0000	0393	0391	0385	0386	038E	0392	038B	0374	0366	0374	037F	C385	0377	0362	C360	C374	0389	0384	038D	0387	0387	038A
0179	0183	019A	019F	019A	0192	0191	0197	C19E	C185	017A	017F	018B	0191	018A	017D	0170	0193	01A3	01A4	019C	C199	C199	01A0	01A1
121	1371	30006	891	10	125	0.6570E	03	0.2710E	03															
0101	0000	0000	017E	019D	01A0	0196	018F	018F	C199	01A4	0190	017B	0177	0181	0186	0181	0177	0162	0177	0193	C19B	C18E	C192	018D
0006	000E	00E2	00ED	00E3	00E7	00E7	00EE	0100	00EC	00D1	00CE	00DC	00DA	00E1	00D7	00C3	00CD	00EA	00FC	00E7	00E0	00E4	00EF	00EF
145	1962	30006	881	11	785	0.6700E	03	0.2710E	03															
0201	0000	0000	0347	035E	0372	0373	036C	036E	0373	0374	036F	0357	0357	035E	0364	0363	0358	034B	034C	0366	0373	C367	C366	0368
0211	02A9	02F7	033E	0353	0357	035B	035F	C36C	C372	0363	0352	035E	0366	0367	035C	034E	0343	0356	0373	0377	0371	036A	0367	036E







731	3265	30006	879	32	66	0.6810E 03	0.2480E 03
0303 0000 0000 0370 0383 0373 0363 0354 0362 0269 0364 0350 0353 0340 0361 0373 036A 0363 0366 036A 0370 0367 034A 0340 0353	0203 01F7 01FB 020B 01FE 01EF 01F4 01F3 01E5 01D3 01AA 0181 017F 016F 012B 011A 01C5 029A 0314 0344 034A 034F 0362 036F	805	3265	30006	879	33	0 0.6810E 03 0.2480E 03
0403 0000 0000 0215 01EC 0237 02E5 0320 022P 0339 0351 0260 035F 0356 0348 0356 0376 0380 0377 0375 0376 0380 0380 036C 035B	0370 0375 0378 0378 0384 0385 036F 02E7 0221 01E6 01E0 01D4 01D7 01F1 0227 0247 0256 024E 0257 025F 0264 0258 024F 024E 0257	899	3265	30006	874	34	18 0.6810E 03 0.2480E 03
0503 0000 0000 0153 0156 0150 0160 0172 015F 0148 0153 0150 0163 0150 014B 0143 014E 016F 0174 0167 0167 0164 0174 016B 0153	0167 016F 0164 016F 016F 0169 0157 0148 015B 0169 0164 0157 013B 0136 0152 0162 0164 015F 0166 0164 016B 0160 014A 0149 0157	932	3265	30006	882	35	1382 0.6810E 03 0.2480E 03
0603 0000 0000 0157 0154 0158 0150 0165 0151 013F 0130 013F 014E 014A 0143 0135 0141 0164 0163 0160 0159 015F 0166 0175 0158	036A 0245 01DF 01BE 01AF 01AD 019B 01A3 01BF 01C7 01A7 0187 0135 0150 0249 02F3 0323 034B 0360 0370 0379 0370 0367 0363 0376	979	3265	30006	879	36	C 0.6810E 03 0.2480E 03
1850 C.190933E-02							

.4330E 020.2034E 030.4330E 020.8984E 050.3245E 030.1623E 030.2165E 020.8091E 010.2996E 010.5095E 000.2548E 00
3265 0.623397E 01 0.381867E-01 0.353227E 01 0.681000E 03 0.248000E 03
979 0.123250E 01 0.265739E 01 0.854375E 01 0.674472E 00 0.152952E 01
20 0.538462E 00 0.348692E 00 0.246987E 00 0.429792E 00 0.449435E 03

0.0167781	C.0243983	0.0168206	0.0286544	0.0357182	0.0415290	0.0507548	C.0319506	0.0318826	0.0381903
0.0200700	C.0409938	0.0151003	0.0267260	0.0433682	0.0452456	0.0502536	0.0293595	0.0281150	0.0239268
0.0148837	C.0029436	0.0173345	0.0169225	0.0219014	0.0244068	0.0418178	C.0115918	0.0208643	0.0062865
0.0	0.0183625	0.0102750	0.0045407	0.0048848	0.0	0.0182733	0.0136094	0.0	0.0
0.0	0.0	0.0058235	0.0067027	0.0	0.0125432	0.0186683	0.0057810	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0237272	0.0071360	0.0078581	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0095571	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0002166	C.0008623	0.0014484	0.0010577	0.0055856	0.0054539	C.0045025	0.0014909	0.0016183	0.0002294
0.0	0.0011256	0.0010237	0.0020856	0.0042901	0.0055346	0.0055686	0.0034830	0.0027567	C.0009515
0.0006541	C.0013295	0.0020474	0.0030116	0.0043835	0.0097695	0.0055049	0.0040777	0.0046214	0.0016141
0.0016906	C.0042731	0.0011426	0.0023914	0.0044812	0.0075820	0.0061038	0.0026930	0.0047234	0.0032409
0.0030116	C.0121907	0.0036147	0.0111882	0.0093278	0.0057513	0.0092173	0.0110820	0.0096166	0.0142210
0.0158818	C.0232387	0.0139874	0.0156610	0.0240798	0.0223637	0.0347795	C.0201889	0.0180396	0.0305744
0.0153934	C.0253158	0.0086566	0.0228394	0.0269384	0.0450205	0.0411594	C.0182945	0.0214760	0.0142380
0.0148837	0.0183625	C.0173345	C.0186088	0.0263862	0.0097058	0.0542633	0.0252011	0.0180099	0.0033344
0.0	0.0	0.0160985	0.0067027	0.0	0.0279366	C.0258043	0.0136391	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0083338	0.0138685	0.0095571	0.0	0.0
0.0224657	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0268195	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0370138	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0383220	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0830664	0.0061548	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.1177227	C.1010721	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0659443	0.1204922	C.0499435	C.0029521	0.0	0.0	0.0	0.0	0.0	0.0
0.0433554	C.0488434	0.0547433	C.0550067	0.0041414	0.0	0.0	0.0	0.0	0.0
0.0	0.0160985	0.0067027	0.0060656	0.0322182	0.0212381	0.0078581	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0083338	0.0	0.0	0.0095571	0.0138685
0.1531054	C.1635715	C.0086812	0.1144776	0.0914810	0.0870719	0.0497269	C.0202187	0.0236295	0.0258892
0.0142083	0.0245130	0.0	0.0095571	0.0	0.0	0.0	0.0	0.0	0.0138685
0.0113029	0.0111627	0.0103090	0.0165105	0.0140214	C.0229924	C.0163109	C.0220112	0.0422638	0.0469574
0.0899093	0.1288855	0.1332011	0.1061310	0.1179139	0.0881763	0.0466134	0.0435678	0.0178910	0.0138685
0.0000850	0.0516468	0.0347030	0.0519951	C.0328851	0.0324688	0.0304045	C.0531420	0.0511838	0.0542888
0.0644236	C.0830282	0.1053537	0.0954185	0.0549514	0.0547561	0.0326302	0.0482317	0.0623678	0.0060359
0.0055729	C.0148030	0.0092768	C.0144631	0.0260337	0.0330465	0.0298225	C.0187787	0.0233364	0.0141021
0.0158818	0.0282169	0.0139874	0.0209323	0.0261144	C.0234086	0.0376636	0.0242369	0.0180396	0.0367292
0.0153934	0.0223722	0.0086566	0.0199850	0.0186131	0.0303195	0.0307613	0.0154613	0.0186216	C.0112859
0.0	0.0029436	C.0101093	0.0097270	0.0180779	0.0244068	C.0183540	0.0062865	0.0092088	0.0062865
0.0148837	0.0042434	0.0072252	0.0071955	0.0117489	0.0	C.0304682	0.0124285	0.0116555	0.0

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0.0	0.0141191	0.0102750	0.0045407	0.0048848	0.0	0.0140299	0.0093193	0.0	0.0
0.0	0.0	0.0058235	0.0	0.0	0.0060656	0.0059594	0.0057810	0.0	0.0
0.0	0.0	0.0	0.0067027	0.0	0.0064776	0.0127089	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0070723	0.0071360	0.0078581	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0166549	0.0138685	0.0095571	0.0	0.0

979	0.623397E 01	0.381867E-01	0.123250E 01	0.265739E 01	0.674472E 00
979	0.248000E 03	0.681000E 03	0.190933E-02	0.235426E 06	0.449435E 03

887	898	909	916	924	948	974	975	982	992										
999	999	1010	1037	1059	1061	1069	1088	1102	1133										
1150	1164	1177	1198	1221	1361	1371	1403	1428	1490										
1502	1525	1578	1665	1680	1850	1959	1962	2250	3265										
293	525	130	413	844	364	529	550	92	560	96	442	916	619	411	418	519	532	529	451
282	423	502	420	22	450	24	507	27	608	46	486	87	617	36	479	1069	412	548	415
477	465	871	288	317	<del>656</del>	281	299	898	285	489	469	456	494	700	482	924	575	458	489
521	625	431	364	161	296	329	558	233	302	160	271	62	631	79	470	22	487	24	600

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371	353	756	364	743	440	778	478	475	404	359	457	143	426	68	402	975	622	617	288
269	441	202	536	392	505	400	590	253	531	487	640	21	521	186	510	411	328	43	555
312	512	294	639	650	524	387	547	744	422	394	388	228	292	185	585	319	281	22	315
133	630	460	639	139	631	143	520	84	582	744	605	83	638	61	520	350	348	59	441
318	500	30	447	31	512	22	521	201	302	1150	453	790	386	144	477	227	646	999	541
600	611	339	657	22	483	854	515	699	522	256	321	560	557	383	463	534	284	386	527
150	634	468	655	119	595	44	457	164	289	22	466	631	441	55	489	30	469	279	644
69	565	30	577	35	509	53	360	61	544	147	515	22	392	23	489	30	515	25	607
28	493	1962	486	23	578	25	508	612	551	198	523	974	544	836	433	363	670	52	517
28	567	582	550	216	327	309	438	302	446	27	443	389	802	464	449	414	510	271	634
30	513	411	311	470	511	169	497	31	441	785	648	383	543	705	469	27	577	20	476

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221	361	546	582	24	476	316	451	25	413	23	521	32	480	22	530	1088	327	24	435
106	499	196	656	205	608	86	647	104	494	265	485	338	349	250	652	362	469	436	490
27	493	456	497	29	481	24	469	268	504	202	286	80	352	21	515	39	594	857	371
24	429	211	647	46	522	298	645	154	406	1490	541	23	466	504	487	571	483	44	502
536	449	24	462	587	633	345	454	867	281	45	428	550	627	515	471	311	368	1061	559
197	658	121	495	62	436	410	320	81	530	48	556	23	446	22	459	2250	590	840	526
408	655	693	322	29	403	887	514	281	626	309	571	364	648	151	617	858	514	540	291
449	511	88	501	598	417	843	412	245	323	325	531	364	578	470	289	319	290	274	283
277	332	32	487	726	472	404	584	323	443	39	411	448	453	240	643	130	302	105	549
909	528	148	372	24	327	30	460	28	628	1198	244	96	325	491	294	230	652	1010	575
672	600	278	400	465	280	618	643	75	452	88	439	35	649	116	526	102	492	66	290
809	458	314	583	548	524	171	631	54	392	305	647	1361	582	96	487	529	472	344	651
59	508	181	642	21	576	53	469	164	614	594	361	132	668	115	673	72	342	456	464
36	615	28	378	21	456	26	477	20	248	2265	523	51	509	47	615	72	597	64	522
49	565	328	477	23	467	28	512	40	615	40	541	26	520	268	505	26	498	22	463
108	330	46	504	38	454	338	636	157	681	851	419	168	391	139	383	301	540	1959	496
40	456	790	533	169	497	109	463	400	506	333	537	217	446	61	506	1578	397	34	400
288	649	67	646	39	628	24	532	304	499	41	548	278	401	24	590	609	325	525	609
215	327	79	434	578	395	215	431	113	560	673	540	137	524	297	531	385	641	127	635
20	513	401	429	36	447	316	566	130	489	85	313	360	601	71	454	367	287	181	609
344	515	345	531	85	463	606	416	30	446	280	665	253	416	695	639	39	595	177	517
853	609	39	490	395	499	39	626	27	534	24	504	366	558	40	513	668	456	1133	557
99	487	115	474	270	589	73	500	852	521	48	582	38	514	181	574	39	512	54	642
488	525	517	303	30	331	20	422	20	451	1665	499	42	543	1403	527	43	513	50	534
30	499	302	676	161	331	85	322	50	564	22	330	828	402	25	543	202	439	47	665
803	341	193	493	97	227	593	332	189	365	129	492	46	557	224	296	411	392	375	638
88	392	37	530	1428	489	70	628	198	554	31	599	1525	493	661	460	72	629	461	521
596	557	581	318	78	465	23	627	607	625	312	516	396	304	251	646	25	660	323	420
412	312	390	459	84	475	56	414	999	323	128	650	57	507	413	518	25	515	27	340
25	635	23	503	22	514	1502	537	86	485	596	510	338	515	377	452	214	556	92	376
425	503	26	526	29	641	1890	565	41	455	336	566	26	450	20	459	333	344	94	490
360	488	182	304	224	591	63	575	485	435	51	579	324	289	200	329	219	648	416	434
24	489	355	573	140	560	154	316	55	601	40	445	420	339	265	360	440	572	328	541
376	486	371	394	99	498	551	295	88	287	549	602	24	528	378	537	396	433	439	329
31	505	304	643	85	524	782	551	124	494	176	637	50	382	727	547	565	557	184	496
241	646	211	649	31	439	393	628	445	631	73	597	1102	536	50	518	455	487	41	456
381	439	21	492	868	282	519	282	415	480	437	506	191	427	41	521	1177	323	291	544
479	414	44	339	444	393	283	620	249	558	183	587	91	396	948	447	20	610	246	494
39	443	381	284	358	596	27	360	184	402	252	402	162	570	22	460	139	526	992	565
599	543	358	586	319	652	479	545	146	563	85	374	77	501	101	416	781	466	136	583
48	470	43	499	249	402	307	415	293	617	358	594	317	416	270	346	37	649	252	554
151	471	273	644	147	648	453	506	86	509	463	436	310	287	242	322	95	513	161	441
21	523	452	477	71	335	160	645	48	498	27	346	293	614	62	478	323	405	188	573
112	641	672	405	94	535	207	631	259	366	35	481	279	282	49	590	313	531	52	423
158	643	86	575	91	635	197	393	46	357	21	472	163	584	89	507	52	598	821	351
35	540	514	432	353	635	386	299	517	349	177	350	106	450	228	573	411	530	174	392
247	408	175	453	21	510	21	479	399	318	22	413	177	467	80	620	38	465	209	652
99	569	27	449	88	589	104	308	58	508	44	427	752	602	51	635	264	648	274	418
496	338	318	519	32	450	212	626	482	522	100	495	426	518	25	504	293	319	121	304
154	365	23	438	64	563	211	628	30	536	22	464	366	358	37	443	23	343	27	435
28	609	269	282	57	412	89	525	32	491	65	478	26	442	150	290	46	407	24	593
171	547	33	623	221	543	51	416	72	467	71	561	50	558	73	511	34	490	346	639
67	503	72	496	31	527	20	495	197	535	91	478	46	414	427	529	59	463	34	633
155	636	86	490	46	477	117	534	30	467	64	310	25	443	20	414	63	611	21	447
54	482	444	306	20	431	30	461	43	494	72	484	55	516	44	508	55	499	38	389
31	279	25	484	61	395	23	431	385	620	29	501	33	495	257	293	55	302	22	462
813	560	407	321	251	430	347	644	56	463	160	418	73	576	24	511	97	288	151	291
624	641	30	562	82	503	125	447	154	635	36	333	30	374	281	372	131	541	61	601
280	284	66	547	21	523	396	523	40	440	46	412	83	482	121	323	66	517	61	475
185	532	68	478	51	441	61	485	21	613	79	319	72	452	24	423	25	426	90	391

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84	502	104	489	77	544	42	328	46	387	51	468	29	425	25	581	28	616	29	487
22	531	24	423	22	552	36	577	50	439	21	489	43	492	28	435	20	474	29	509
28	223	26	423	66	645	43	539	35	555	20	355	1164	523	21	449	263	629	36	561
182	562	155	360	43	559	27	520	266	635	27	515	31	551	174	448	49	309	463	554
46	464	94	418	121	365	193	390	24	365	217	600	180	512	50	616	24	425	353	291
38	434	33	349	182	285	91	448	62	390	67	591	81	431	667	588	51	509	50	520
67	389	211	637	85	468	20	453	82	368	39	487	62	479	450	471	110	306	27	562
39	497	120	520	40	627	43	550	76	498	28	516	21	333	136	424	96	469	81	508
208	295	78	639	25	428	22	624	36	563	51	643	42	635	26	366	240	388	40	429
22	513	141	623	43	491	200	526	48	631	26	443	23	529	264	286	35	519	36	500
34	547	261	531	96	436	309	515	58	586	33	444	163	449	77	590	75	449	51	369
53	427	55	463	67	506	152	601	84	636	93	530	32	374	21	574	68	514	696	506
42	487	35	587	21	361	228	450	37	516	54	456	32	486	29	505	31	516	24	438
420	442	89	489	37	562	470	587	41	463	45	560	47	538	163	378	78	513	63	605
274	587	29	491	29	463	23	509	99	378	44	566	25	445	28	489	69	404	65	486
48	503	30	332	53	433	23	357	58	502	32	546	50	481	45	305	41	413	57	626
24	415	51	479	27	517	25	325	28	495	22	508	20	465	23	532	36	457	25	462
22	536	25	397	28	474	25	459	22	387	21	454	22	595	33	476	21	427	32	466
24	467	20	511	1680	527	47	345	29	575	25	442	219	439	79	426	36	513	115	427
86	541	70	620	40	539	1037	535	83	632	31	535	54	495	57	513	24	595	423	320
28	441	20	572	982	439	475	394	20	462	352	292	37	600	31	415	216	505	28	341
68	556	30	513	1059	293	129	650	119	316	684	467	31	506	30	487	22	519	676	480
304	654	487	429	176	336	44	522	24	487	458	310	479	277	544	321	29	318		

STOP 0  
EXECUTION TERMINATED

PRINTED IN U.S.A.

FORM 1411-3

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FORM 1411-3

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3618



USFF: CCRL  
CHARGE NBR: CCRL

\*\*\*\* CN AT 15:38.25  
 \*\*\*\* CFF AT 15:50.29  
 \*\*\*\* ELAPSED TIME 723.686 SEC.  
 \*\*\*\* CPU TIME USED 80.596 SEC.  
 \*\*\*\* STORAGE USED 3372.423 PAGE-SEC.  
 \*\*\*\* CARDS READ 281  
 \*\*\*\* LINES PRINTED 655  
 \*\*\*\* PAGES PRINTED 19  
 \*\*\*\* CARDS PUNCHED 99  
 \*\*\*\* CFPM READS 237  
 \*\*\*\* APPROX. COST OF THIS RUN \$9.73

\*\*\*\* FILE STORAGE 1 PG-HR. .00

\*\*LAST SIGNON WAS: 13:55.32 03-11-70

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