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SUBROUTINE DUMPREG (LUN,ICOUNT,DATA1)

```
C  
C Version: 'V04-000'  
C  
C*****  
C*  
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C AUTHOR BRIAN PORTER CREATION DATE 28-OCT-1979  
C  
C Modified by:  
C  
C V03-001 EAD0134 Elliott A. Drayton 9-Apr-1984  
C Removed data statements and made them equates.  
C  
C
```

BYTE	LUN
INTEGER*2	ICOUNT
INTEGER*2	DATA1_LEN
INTEGER*4	DATA1(1:128)
INTEGER*4	COMPRESS4
CHARACTER*4	DATA2
CHARACTER*3	FAO_CONTROL
CHARACTER*4	DATA3
LOGICAL*4	SYSSFAO

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COM
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D

DUMPREG

K 14
16-Sep-1984 00:21:10
5-Sep-1984 13:53:52

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]DUMPREG.FOR;1

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**F

```
0058
0059     EXTERNAL      SYSSFAO
0060
0061     LOGICAL*4      LIB$SCOPY_R_DX
0062
0063     EXTERNAL      LIB$SCOPY_R_DX
0064
0065     FAO_CONTROL = '!AF'
0066
0067     DATA1_LEN = 4
0068
0069
0070     IF (ICOUNT .GT. 0) THEN
0071
0072     DO 20,I = 1,MIN(127,ICOUNT)
0073
0074     CALL LINCHK (LUN,2)
0075
0076     WRITE(LUN,5) I,DATA1(I)
0077 5     FORMAT(' ',T8,'LONGWORD ',I<COMPRESS4 (I)>,'.',T24,Z8.8)
0078
0079     IF (LIB$SCOPY_R_DX(%REF(DATA1_LEN),%REF(DATA1(I)),DATA2)) THEN
0080
0081     IF (SYSSFAO(FAO_CONTROL,,DATA3,%VAL(4),%REF(DATA2))) THEN
0082
0083     WRITE(LUN,10) DATA3
0084 10    FORMAT(' ',T40,'/',A4,'/')
0085
0086     ENDIF
0087
0088 20    CONTINUE
0089     ENDIF
0090
0091     RETURN
0092
0093     END
```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	215	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$pdata	52	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	124	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	391	

ENTRY POINTS

Address	Type	Name
0-00000000		DUMPREG

VARIABLES

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
2-0000000C	I*2	DATA1_LEN	2-00000000	CHAR	DATA2	2-00000007	CHAR	DATA3	2-00000004	CHAR	FAO_CONTROL
2-00000010	I*4	I	AP-00000008@	I*2	ICOUNT	AP-00000004@	L*1	LUN			

ARRAYS

Address	Type	Name	Bytes	Dimensions
AP-0000000C@	I*4	DATA1	512	(128)

LABELS

Address	Label	Address	Label	Address	Label
1-00000004	5'	1-00000023	10'	**	20

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	L*4	LIB\$COPY_R_DX		LINCHK
L*4	SYSS\$FAO				

COMMAND QUALIFIERS

FORTAN /LIS=LISS:DUMPREG/OBJ=OBJ\$:DUMPREG MSRC\$:DUMPREG

```

/CHECK=(NOBOUNDS,OVERFLOW,NUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

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