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SUBROUTINE DUMPREG (LUN,ICOUNT,DATA1)

```
C  
C Version: 'V04-000'  
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
```

```
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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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     ENDIF
0086     ENDIF
0087
0088 20    CONTINUE
0089     ENDIF
0090
0091     RETURN
0092
0093     END
```


