```
CLEAR STORAGE 1     ,008015,022026,030037,044,049,053053N000000N00001026                                  1
CLEAR STORAGE 2     L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0?               2
BOOTSTRAP           ,008015,022029,036040,047054,061068,072/061039            ,0010011040                 3

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 SEQ PG LIN  LABEL  OP    OPERANDS                                        SFX CT  LOCN  INSTRUCTION TYPE  CARD

 101                JOB   FORTRAN COMPILER -- LIMITED I/O -- PHASE 54B
 102                CTL   6611
 103         *
 104         * LIMITED I/O ROUTINE -- NO FORMATTING
 105         * COMPLETELY REVISED IN V3M4
 106         *
 107         X1     EQU   89                                                      0089
 108         X2     EQU   94                                                      0094
 109         X3     EQU   99                                                      0099
 110         *
 111         * ADDRESS IN FORMAT LOADER
 112         *
 113         LRET   EQU   1030  RETURN HERE FROM LIMITED LOAD                     1030
 114         *
 115                ORG   1697                                                         1697
 116  1 697         SBR   X1                                                  4  1697  H 089               4
 117  1 701         SW    GMWM                                                4  1701  , !11               4
 118  1 705         LCA   X3,39                                               7  1705  L 099 039           4
 119  1 712         LCA                                                       1  1712  L                   4
 120  1 713         MN    0&X1,WT&3                                           7  1713  D 0|0 Y10           4
 121  1 720         BWZ   *&8,0&X1,S                                          8  1720  V X35 0|0 S         4
 122  1 728         MCW   KR,WT&7                                             7  1728  M !06 Y14           4
 123  1 735         SBR   EXIT&3,7&X1                                         7  1735  H !05 0|7           5
 124  1 742         MCW   6&X1,X1                                             7  1742  M 0|6 089           5
 125  1 749  LOOP   BCE   DONE,0&X1,.                                         8  1749  B Z87 0|0 .         5
 126  1 757         MCW   3&X1,X2                                             7  1757  M 0|3 094           5
 127  1 764         MCW   6&X1,X3                                             7  1764  M 0|6 099           5
 128  1 771         SBR   X1,7&X1                                             7  1771  H 089 0|7           6
 129  1 778         MCW   1&X3,W1                                             7  1778  M 0?1 !07           6
 130  1 785         LCA   GMWM,1&X3                                           7  1785  L !11 0?1           6
 131  1 792         SBR   WT&6,1&X2                                           7  1792  H Y13 0!1           6
 132  1 799  RETRY  S     ERRCNT                                              4  1799  S !08               6
 133  1 803  RETRYW S     ERWCNT                                              4  1803  S !09               6
 134  1 807  WT     WTW   1,0-0                                               8  1807  L %U1 000 W         7
 135  1 815         BCE   ERWTST,WT&7,W  GO TEST FOR WRITE ERROR              8  1815  B Z24 Y14 W         7
 136  1 823         BEF   EOFR        END FILE ON READ?                       5  1823  B Y57 K             7
 137  1 828         BCE   WT,14&X2,}  NOISE (SHORT) RECORD?                   8  1828  B Y07 0J4 } GMARK   7
 138  1 836         CHAIN 12                                                                   MACRO
 139                BCE                                                       1  1836  B           GEN     7
 140                BCE                                                       1  1837  B           GEN     7
 141                BCE                                                       1  1838  B           GEN     7
 142                BCE                                                       1  1839  B           GEN     8
 143                BCE                                                       1  1840  B           GEN     8
 144                BCE                                                       1  1841  B           GEN     8
 145                BCE                                                       1  1842  B           GEN     8
 146                BCE                                                       1  1843  B           GEN     8
 147                BCE                                                       1  1844  B           GEN     8
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 SEQ PG LIN  LABEL  OP    OPERANDS                                             SFX CT  LOCN  INSTRUCTION TYPE  CARD

 148                BCE                                                              1  1845  B           GEN      8
 149                BCE                                                              1  1846  B           GEN      9
 150                BCE                                                              1  1847  B           GEN      9
 151  1 848         BER   TAPERR      ERROR ON READ?                                 5  1848  B Y73 L              9
 152  1 853         B     CONT                                                       4  1853  B Y62                9
 153         *
 154         * EOF WHILE READING
 155         *
 156  1 857  EOFR   NOP   888                                                        4  1857  N 888                9
 157  1 861         H                                                                1  1861  .                    9
 158         *
 159  1 862  CONT   MCW   W1,1&X3                                                    7  1862  M !07 0?1            9
 160  1 869         B     LOOP                                                       4  1869  B X49               10
 161         *
 162         * ERROR WHILE READING, OR AFTER THREE RETRIES ON WRITING
 163         *
 164  1 873  TAPERR MN    WT&3,*&4                                                   7  1873  D Y10 Y83           10
 165  1 880         BSP   0                                                          5  1880  U %U0 B             10
 166  1 885         BCE   ERRHLT,ERRCNT,I                                            8  1885  B Z78 !08 I         10
 167  1 893         A     *-6,ERRCNT                                                 7  1893  A Y93 !08           10
 168  1 900         BCE   WT,WT&7,R                                                  8  1900  B Y07 Y14 R         10
 169  1 908         MN    WT&3,*&4                                                   7  1908  D Y10 Z18           11
 170  1 915         SKP   0-0                                                        5  1915  U %U0 E             11
 171  1 920         B     RETRYW                                                     4  1920  B Y03               11
 172         *
 173         * TEST FOR ERROR OR EOF ON WRITE
 174         *
 175  1 924  ERWTST BER   TAPERW  ERROR ON WRITE?                                    5  1924  B Z38 L             11
 176  1 929         BEF   EOFW    EOF ON WRITE?                                      5  1929  B Z69 K             11
 177  1 934         B     CONT                                                       4  1934  B Y62               11
 178         *
 179         * ERROR WHILE WRITING
 180         *
 181  1 938  TAPERW BCE   TAPERR,ERWCNT,C                                            8  1938  B Y73 !09 C         11
 182  1 946         MN    WT&3,*&4                                                   7  1946  D Y10 Z56           12
 183  1 953         BSP   0-0                                                        5  1953  U %U0 B             12
 184  1 958         A     *-6,ERWCNT                                                 7  1958  A Z58 !09           12
 185  1 965         B     WT                                                         4  1965  B Y07               12
 186         *
 187         * EOF WHILE WRITING
 188  1 969  EOFW   NOP   666                                                        4  1969  N 666               12
 189  1 973         H                                                                1  1973  .                   12
 190  1 974         B     CONT                                                       4  1974  B Y62               12
 191         *
 192         * TAPE ERROR
 193         *
 194  1 978  ERRHLT NOP   777                                                        4  1978  N 777               13
 195  1 982         H                                                                1  1982  .                   13
 196  1 983         B     RETRY                                                      4  1983  B X99               13
 197         *
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 SEQ PG LIN  LABEL  OP    OPERANDS                                            SFX CT  LOCN  INSTRUCTION TYPE  CARD

 198  1 987  DONE   MCW   39,X3                                                    7  1987  M 039 099           13
 199  1 994         MCW                                                            1  1994  M                   13
 200  1 995         MCW   KW,WT&7                                                  7  1995  M !10 Y14           13
 201  2 002  EXIT   B     0                                                        4  2002  B 000               13
 202         *
 203         * DATA
 204         *
 205  2 006  KR     DCW   @R@                                                      1  2006                      14
 206  2 007  W1     DCW   #1                                                       1  2007                      14
 207  2 008  ERRCNT DCW   #1                                                       1  2008                      14
 208  2 009  ERWCNT DCW   #1                                                       1  2009                      14
 209  2 010  KW     DCW   @W@                                                      1  2010                      14
 210  2 011  GMWM   DCW   @}@                                                      1  2011            GMARK     14
 211               EX     LRET  RETURN TO FORMAT LOADER AFTER LOADING                       B |30               15
 212               END                                                                      / 000 080
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| SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS | SYMBOL | ADDRESS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONT | 1862 | DONE | 1987 | EOFR | 1857 | EOFW | 1969 | ERRCNT | 2008 | ERRHLT | 1978 | ERWCNT | 2009 |
| ERWTST | 1924 | EXIT | 2002 | GMWM | 2011 | KR | 2006 | KW | 2010 | LOOP | 1749 | LRET | 1030 |
| RETRY | 1799 | RETRYW | 1803 | TAPERR | 1873 | TAPERW | 1938 | W1 | 2007 | WT | 1807 | X1 | 89 |
| X2 | 94 | X3 | 99 | | | | | | | | | | |