```
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										