```
 58                    C-----CONSTANTS                                                   58
 59    0000901            EREXT=1.E-3                                                     59      4
 60    00009CI            ISWU=7                                                          60      5
 61    0000A4I            ISWV=7                                                          61      6
 62    0000ACI            ISWW=7                                                          62      7
 63    0000B4I            ISWK=5                                                          63      8
 64    0000BCI            ISWE=5                                                          64      9
 65    0000C4I            DENIN=1.0                                                       65     10
 66    0000D0I            VISC=1./RENL                                                    66     11
 67    0000E2I            SIGL=1.C                                                        67     12
 68    0000EEI            SIGK=1.C                                                        68     13
 69    0000FAI            SIGE=1.3                                                        69     14
 70    000106I            CMU=0.09                                                        70     15
 71    000112I            C1=1.43                                                         71     16
 72    00011EI            C2=1.92                                                         72     17
 73    00012AI            E=9.01C69                                                       73     18
 74    000136I            CK=C.4                                                          74     19
 75    000142I            PI=3.141592654                                                  75     20
 76    00014EI            HINUM=1.E3C                                                     76     21
 77    00015AI            SMNUM=1.E-30                                                    77     22
 78    000166I            CMU1=CMU**0.25                                                  78     23
 79    00017EI            CMU2=CMU**0.75                                                  79     24
 30    000196I            INSCU=.TRUE.                                                    80     25
 81    00019EI            INSCV=.TRUE.                                                    81     26
 82    0001A6I            INSCP=.TRUE.                                                    82     27
 83    0001AEI            INSCK=.TRUE.                                                    83     28
 34    0001B6I            INSCE=.TRUE.                                                    84     29
 85    00013EI            INPRO=.TRUE.                                                    85     30
 36    0001C6I            INSCW=.TRUE.                                                    86     31
 87    0001CEI            INSCT=.FALSE.                                                   87     32
 88    00C1D6I            IF(IG .EQ. 2) GC TO 10                                          88     33
 89    0001ECI            INSCK=.FALSE.                                                   89     35
 90    0001F4I            INSCE=.FALSE.                                                   90     36
 91    0001FCI            INPRO=.FALSE.                                                   91     37
 92    00C204I      10    CONTINUE                                                        92     38
 93              C*****[READ IN INITIAL FLOW FIELDS FROM RESTART FILE (LU = 8)]********   93
 94    000204I            READ(8,100) L,M,N,L1,L2,M1,M2,N1,N2                             94     39
 95    000244I            LO=L+1                                                          95     40
 96    000252I            MO=M+1                                                          96     41
 97    000260I            NO=N+1                                                          97     42
 98    00026EI            LT=L-1                                                          98     43
 99    00027CI            MT=M-1                                                         ⁻99     44
100    00028AI            NT=N-1                                                         100     45
101              C-----INITIALIZE VARIABLES                                             101
102    0002981            CALL INIT                                                      102     46
103              C-----RESTART FILE                                                     103
104    0002A0I            DO 50 K=1,N                                                    104     47
105    000284I            DO 50 I=1,L                                                    105     48
106    0002C8I            READ(8,400)                                                    106     49
107    0002E4I            DO 50 J=1,M                                                    107     50
108    0002F8I            READ(8,500) X(I,J,K),Y(I,J,K),Z(I,J,K),U(I,J,K),V(I,J,K),      108     51
109                       1 W(I,J,K),P(I,J,K),TM(I,J,K),DK(I,J,K),DE(I,J,K),             109
110                       2 VISETM,DENTM                                                 110
111    000538I            UO(I,J,K)=U(I,J,K)                                             111     52
112    000604I            VO(I,J,K)=V(I,J,K)                                             112     53
113    000650I            WO(I,J,K)=W(I,J,K)                                             113     54
114    00069CI            TMO(I,J,K)=TM(I,J,K)                                           114     55
```