```
$---------------------------------------------------------------------$
$                                                                     $
$      ***  INPUT FORMAT INSTRUCTION FILE FOR PROGRAM MFIRE   ***     $
$                                                                     $
$    GENERAL RULES FOR DATA INPUT:                                    $
$                                                                     $
$   * NO NEED TO DISTINGUISH INTERGER AND REAL NUMBERS. SYMBOLS USED  $
$   IN NUMERICAL INPUT COMPRISE THE FOLLOWING LIST:                   $
$            1 2 3 4 5 6 7 8 9 0 . , - + BLANK                        $
$   * FREE FORMAT ALLOWED. COMMA AND BLANK SPACE CAN BOTH BE DELIMINA- $
$   TORS. SEQUENTIALLY DISTRIBUTED BLANK SPACES ACT AS ONE DELIMINATOR.$
$   BLANKS ADJACENT TO A COMMA HAS NO EFFECT IN SEPARATING INPUT TERMS.$
$   * ZERO INPUT CAN BE OMITTED BUT ITS DELIMINATOR CAN'T EXCEPT BEING $
$   THE LAST ONE IN A LINE.                                           $
$   * A LINE WHOSE FIRST NON-BLANK SYMBOL IS "$" IS AN INSTRUCTION    $
$   LINE WHICH WILL BE IGNORED IN A PROGRAM RUN.                      $
$   * A LINE WHOSE FIRST NON-BLANK SYMBOL IS NEITHER ONE USED IN THE  $
$   ABOVE LIST FOR NUMERICAL INPUT NOR "$", OR WHICH CONTAINS MORE    $
$   THAN 3 SYMBOLS OUTSIDE OF THE LIST, IS A COMMENT LINE WHICH WILL  $
$   BE SHOWN IN THE OUTPUT FILE.                                      $
$---------------------------------------------------------------------$

$---------------------------------------------------------------------$
$   (1) COMMENTS  (OPTIONAL)                                          $
$                                                                     $
$     YOU MAY PUT NOTES HERE TO REMIND YOU IN THE FUTURE. THEY WILL BE $
$   SHOWN IN THE OUTPUT FILE. THE NUMBER OF TOTAL ACTIVE COMMENT LINES $
$   IS 50. THE ACTIVE WIDTH OF A LINE IS 72 COLUMNS.                  $
$-----------------   INPUT YOUR COMMENTS HERE    ---------------------$
  This is a test data file for MFIRE. A cooling station is in airway 36
and a fire is in airway 18. One minute after the event, the resistances
of airways 14 and 23 increased significantly, causing the airflow to
circulate in the region near fire source 18.
$---------------------------------------------------------------------$
$  (2) CONTROL CARD I:                                                $
$     NB,NFNUM,INFLOW,NVPN,NETW,TR,MADJ,ITN,NTEMP,TINC,SPAN,IOUT,TOUT  $
$     CONCT,DR                                                        $
$                                                                     $
$     NB: NUMBER OF AIRWAYS IN NETWORK, MAX. 500                      $
$     NFNUM: NUMBER OF FAN CHARACTERISTICS, MAX. 10.                  $
$     INFLOW: NUMBER OF CONTAMINATION SOURCES, MAX. 10.               $
$     NVPN: MARKER FOR PRESENCE OF JUNCTION CARDS, 0: PRESENT.        $
$     NETW: MARKER, 1: ONLY THE NETWORK PART WILL BE PERFORMED.       $
$     TR: REFERENCE TEMPERATURE OF AIR, DEG. F. DEFAULT VALUE 75.     $
$     MADJ: MAX. NO. OF ITERATION IN TEMP. PART. DEFAULT 20.          $
$     ITN: MAX. NO. OF ITERATION IN DYNAMIC PART, DEFAULT 20.         $
$     NTEMP: MARKER. 1: SIMULATION GOES ONLY UP TO TEMPERATURE PART.  $
$     TINC: TIME INCREMENT IN DYNAMIC SIMULATION PART, SEC.           $
$     SPAN: TIME SPAN OF DYNAMIC SIMULATION, MIN.                     $
$     IOUT: OUTPUT, 0: BRIEF; 1: NORMAL; -1: DETAIL; -2; MORE DETAILED.$
$     TOUT: TIME INTERVAL FOR OUTPUT, IN MIN.                         $
$     CONCT: MARKER. 1: SIMULATION GO TO TRANSIENT CONCENTRATION ONLY  $
$                    0: SIMULATION GO TO ALL TRANSIENT STATE          $
$     DR: REFERENCE DENSITY IN LBM/FT3, DEFAULT BASED ON TR AND 1 ATM. $
$                                                                     $
$          ***  INPUT DATA FOR CONTROL CARD I HERE   ***              $
$NB,NFNUM,INFLOW,NVPN,NETW,TR,MADJ,ITN,NTEMP,TINC,SPAN,IOUT,TOUT,CONCT,DR

   51  2  2  ,,,,,,,30.0,5.0,-2,0,0,0.081

$---------------------------------------------------------------------$
$   (3) AIRWAY CARDS:                                                 $
$     NO,JS,JF,NWTYP,R,Q,KF,LA,A,O,HA,HK,CH4V,CH4PA,TROCK              $
$                                                                     $
$   * IF NB IS 2 OR LARGER, THE NUMBER OF AIRWAY CARDS (LINES) MUST BE $
$   NB. IF NB IS 1 OR LESS, THE AIRWAY CARDS MUST END WITH 9999.      $
$   * KF,LA,A,O,HA,HK HAVE THEIR AVERAGE OR DEFAULT VALUES WHICH ARE  $
$   ACTIVATED BY INPUTING ZERO FOR THE RESPECTIVE TERMS.              $
$   * TROCK DOES NOT NEED TO INPUT EXCEPT WHEN YOU WANT TO OVERRIDE THE$
$   PROGRAM CALCULATED VALUE.                                         $
$   * COMMENT LINES ARE ACTIVE IN THIS DATA PARAGRAPH.                $
$                                                                     $
$     NO:    AIRWAY ID NUMBER (1 TO 9980).                            $
$     JS:    JUNCTION ID NUMBER OF AIRWAY BEGINNING (1 TO 999).       $
$     JF:    JUNCTION ID NUMBER OF AIRWAY END (1 TO 999).             $
$     NWTYP: AIRWAY TYPE, 1: FAN; 0: ORDINARY; -1: FIXED-Q.           $
$     R:     RESISTANCE OF AIRWAY 1.E-10 IN. W.G./(CFM)2.             $
$     Q:     AIRFLOW RATE IN CFM.                                     $
$     KF:    FRICTION FACTOR IN 1.E-10 LBM*MIN2/FT4.                  $
$     LA:    AIRWAY LENGTH IN FT.                                     $
$     A:     AIRWAY CROSS SECTIONAL AREA IN FT**2.                    $
$     O:     AIRWAY PERIMETER IN FT.                                  $
$     HA:    THERMAL DIFFUSIVITY OF ROCK, FT2/HR.                     $
$     HK:    THERMAL CONDUCTIVITY OF ROCK, BTU/HR*FT*F.               $
$     CH4V:  METHANE EMISION RATE IN AIRWAYS FT3/MIN.                 $
$     CH4PA: METHANE EMISION RATE PER UNIT SURFACE AREA, FT/MIN.      $
$     TROCK: AVERAGE ROCK TEMPERATURE IN AIRWAY, DEGREE F.            $
$                                                                     $
$            ***   INPUT DATA FOR AIRWAY CARDS HERE   ***             $
$-------- NO,JS,JF,NWTYP,R,Q,KF,LA,A,O,HA,HK,CH4V,CH4PA,TROCK ---------$

 1  1  2  0    0.156  200000  80  2597  200.0  50.0
 2  2  3  0    0.048   60000  80   325  200.0  50.0
 3  1  4  0    0.479  100000  80  2583  200.0  50.0
 4  1 23  0    0.995   30000  80  2580  200.0  50.0
 5  2  4  0    2.400   35000  50  2900   80.0  35.0
 6  4  5  1    4.000   60000  50   100   80.0  35.0
 7  5  6  0    2.307   60000  50  2700   80.0  35.0
 8  6  7  0 1888.233    5000 100   524  120.0  44.0
 9  6  7  0    9.923   60000  50  1700   80.0  35.0
10  7 14  0    3.239   70000  50  1650   80.0  35.0
11 14 31  0   20.002   70000  50  4500   80.0  35.0
12  3  8  0    0.360   53600  50  2700   80.0  35.0
13  8 19  0   41.490   20000  50  2050   80.0  35.0
14  8  9  0    0.821   50000  50   600   80.0  35.0
15  9 10  0    1.437   35000  50   600   80.0  35.0
16 10 11  0  124.385    6000  50   600   80.0  30.0
17 10 11  0    5.500   30000  50  1100   80.0  35.0
18 11 12  0    3.900   35000 100   319  120.0  44.0
19 12 13  0    3.772   35000  50   600   80.0  35.0
20 14 13  0    4.000    6000 100   524  120.0  44.0
21 13 15  0    1.108   35000  50   550   80.0  35.0
22  9 15  0  474.065    6000 100   318  120.0  44.0
23 15 16  0    2.047   30000  50   600   80.0  35.0
24  2 16  0   77.702   14800  50  2600   80.0  35.0
25 16 17  0    2.285   60000  50  1050   80.0  35.0
26 17 18  0    2.966   60000 100   228  120.0  44.0
27 20 17  0    3.500    2000  50   800   80.0  35.0
28 20 18  0    4.931   50000  50  1217   80.0  35.0
29 19 20  0    4.565   50000 100   333  120.0  44.0
30 21 19  0    0.475   31300  50  1100   80.0  35.0
31 22 21  0   13.375   40000  50  1313   80.0  35.0
32 22 21  0 1234.019    3000 100   313  120.0  44.0
33 23 22  0   14.500   20000  50  1800   80.0  35.0
34 23 22  0   14.500   20000  50  1800   80.0  35.0
35  4 24  0    4.324  110000 100  2400   80.0  35.0
36 24 25  0    5.572   45000  50  2600   80.0  35.0
37 24 27  0    5.450   20000  50  3200   80.0  35.0
38 27 28  0    1.066  100000 100   230  120.0  44.0
39 28 31  0   14.000   40000  50  2292   80.0  35.0
```

```
40 25 26  0   18.360   45000  50  2000   80.0  35.0
41 26 30  0    3.630   38000  50  1700   80.0  35.0
42 26 29  0    1.385    5000  50  1050   80.0  35.0
43  2 27 -1   39.317   35449  50  1650   80.0  35.0
44 28 29  0    1.260   73000  50   750   80.0  35.0
45 29 30  0    0.854   80000   0   500
46  2 30  0   46.882   44000  50   525   80.0  35.0
47 30 31  0    0.072  203000   0   500
48 18 30  0    6.265  100000  50   4100  80.0  35.0
49 31 32  0    0.610  288350   0    500
50  1 32  0  441.000   20000  80     30 200.0  50.0
51 32  1  1   10.000  450000  50    100  80.0  35.0

$----------------------------------------------------------------------$
$   (4) JUNCTION CARDS:                                                $
$     JNO,T,Z,CH4C                                                     $
$                                                                      $
$   * IF NVPN IS 0 OR LESS, EACH JUNCTION SPECIFIED IN JS AND JF  MUST $
$   HAVE  A ONE-LINE INPUT HERE. OTHERWISE JUNCTION CARDS MUST BE      $
$   OMITTED.                                                           $
$                                                                      $
$     JNO:   JUNCTION ID NUMBER (1 TO 999)                             $
$     T:     TEMPERATURE OF AIR IN JUNCTIONS, DEGREE F.                $
$     Z:     ELEVATION OF JUNCTIONS, FT.                               $
$     CH4C:  METHANE CONCENTRATION IN JUNCTIONS, PERCENTAGE.           $
$                                                                      $
$              ***    INPUT JUNCTION CARDS HERE    ***                 $
$------------------------ JNO,T,Z,CH4C ------------------------------$

    1      50.0       114
    2      65.06    -2465
    3      67.32    -2790
    4      64.39    -2463
    5      64.51    -2462     0.12
    6      69.88    -2462     0.20
    7      75.60    -1938     0.80
    8      72.54    -2787     0.12
    9      75.67    -2785     0.25
   10      77.09    -2785     0.30
   11      78.82    -2787     0.90
   12      79.31    -2468     0.95
   13      82.42    -2465     0.90
   14      81.62    -1942     0.85
   15      83.25    -2467     0.90
   16      78.56    -2466     0.90
   17      77.92    -2463
   18      78.39    -2235
   19      82.54    -2785     0.8
   20      80.90    -2452
   21      82.87    -2786     0.85
   22      73.28    -2473     0.70
   23      65.27    -2466
   24      69.95    -2462     0.15
   25      80.65    -2245     0.90
   26      86.57    -2247     0.95
   27      70.59    -2465     0.60
   28      68.59    -2235     0.60
   29      72.08    -2239
   30      76.80    -2240
   31      76.44    -1943
   32      65.70       88

$----------------------------------------------------------------------$
$     (5) JUNCTION CARDS II (JUNCTIONS IN THE ATMOSPHERE)              $
$    A STARTING JUNCTION IS THE JUNCTION WHERE ATMOSPHERE CONDITIONS   $
$  ARE DEFINED. ALL OTHER JUNCTIONS ON THE SURFACE ARE JUNCTIONS IN    $
$  THE ATMOSPHERE.                                                     $
$    IF THERE ARE MORE THAN ONE JUNCTION IN THE ATMOSPHERE, JUNCTION   $
$  CARD II IS EMPLOYED. OTHERWISE, ONLY NUMBER "1" IS READ IN.         $
$                                                                      $
$     JAN: THE NUMBER OF THE JUNCTIONS IN THE ATMOSPHERE               $
$     JA:  JUNCTION ID NUMBER                                          $
$     JATP: JUNCTION TYPE:                                             $
$           0: STARTING JUNCTION                                       $
$           1: OTHER ATMOSPHERE JUNCTIONS EXCEPT STARTING JUNCTION     $
$                                                                      $
$         ****    INPUT DATA FOR JUNCTION CARD II HERE    ****         $
                                                          $
$--------------------------- JAN -------------------------------------$
$------------------------- JA,JATP -----------------------------------$
      1
$----------------------------------------------------------------------$
$     FAN CARDS I AND II COMPRISE A DATA GROUP WHICH MUST REPEAT NFNUM $
$   TIMES FOR NFNUM FAN CURVES. IF NFNUM IS 0 OR LESS, FAN CARDS I AND $
$   II MUST BE OMITTED.                                                $
$                                                                      $
$   (5) FAN CARD I:                                                    $
$     NOF,MPTS,NSWT                                                    $
$     NOF:   ID NUMBER OF FAN BRANCH.                                  $
$     MPTS:  NUMBER OF POINTS DEFINING FAN CHAR, MAXIMUM 10.           $
$     NSWT:  SELECTION OF FAN CURVE FITTING, 1: LEAST SQUARES          $
$            2: SPLINE  3. AUTO  4.AUTO+MANUAL                         $
$   (6) FAN CARD II:  (IF MPTS IS LARGER THAN 5, CONTINUE IN 2ND LINE.)$
$     QF,PF,QF,PF,QF,PF,QF,PF,QF,PF                                    $
$     QF:    AIRFLOW AT GIVEN POINT OF FAN CHAR, CFM.                  $
$     PF:    PRESSURE AT GIVEN POINT OF FAN CHAR, IN.W.G.              $
$   (7) FAN CARD III: NPLOT                                            $
$     NPLOT: TREATMENT OF THE BOUNDARY RANGE OF FAN CURVE              $
$            1: EXTEND FAN CURVE BY FOLLOWING GRADIENTS OF TWO ENDS.   $
$            2: EXTEND FAN CURVE AS ABOVE AT LEFT BOUNDARY REGION AND  $
$               SEND GRADIENT OF RIGHT BOUNDARY REGION TO ZERO.        $
$            3. SEND GRADIENT OF BOTH SIDES OF BOUNDARY REGION TO ZERO.$
$            ***    INPUT FAN CARDS I,II, AND III HERE    ***          $
$--------------------------- NOF,MPTS,NSWT ---------------------------$
$------------------ QF,PF,QF,PF,QF,PF,QF,PF,QF,PF --------------------$
$------------------------------NPLOT----------------------------------$
   6   10   2
  20000  3.60   25000  4.30   30000  4.60   40000  4.78   55000  4.58
  70000  4.29   85000  3.96  100000  3.70  150000  3.00  200000  2.52
  51   10  2
  80000 12.25  100000 14.00  150000 14.90  200000 14.05  300000 12.00
 400000 10.25  500000  8.85  600000  7.80  700000  6.90  800000  6.20
  3
$----------------------------------------------------------------------$
$   (7) CONTAMINATION (HEAT SOURCE) CARDS:                             $
$     NCENT,CONT,CONC,HEAT,O2MIN,SMPO2,HTPO2,QCENT,TPR                 $
$                                                                      $
$   * EACH HEAT SOURCE MUST HAVE  A ONE-LINE INPUT HERE. THE NUMBER OF $
$   TOTAL FIRE SOURCES WAS SPECIFIED BY "INFLOW" IN CONTROL CARD I.    $
$                                                                      $
$     NCENT: ID NUMBER OF AIRWAYS WHERE HEAT SOURCES LOCATE.           $
$     CONT:  VOLUME FLOW RATE OF CONTAMINATED GAS INFLOW IN CFM.       $
$     CONC:  CONCENTRATION OF CONTAMINANT IN GAS INFLOW, %.            $
$     HEAT:  HEAT ENTERING OR LEAVING AIRWAY IN BTU/MIN.               $
$     O2MIN: OXYGEN CONCENTRATION OF AIR CURRECT LEAVING FIRE ZONE, %. $
$     SMPO2: CONTAMINANT PRODUCTION PER FT**3 OF OXYGEN DELIVERY.      $
$     HTPO2: HEAT PRODUCTION (BTU) PER FT**3 OF OXYGEN DELIVERY.       $
$     QCENT: REF. Q DEFINING FIRE CHARACTERISTICS, CFM.                $
$     TPR: LEADING TIME PERIOD IN MIN. FOR FIRE TO REACH FULL STRENGTH.$
$                                                                      $
```

```
$           ***    INPUT DATA FOR FIRE SOURCES HERE      ***           $
$---------- NCENT,CONT,CONC,HEAT,O2MIN,SMPO2,HTPO2,QCENT,TPR ----------$

36,0.0,0.0,-8000.,16.0,,,40000.
18,50,50,30000,16.0

$----------------------------------------------------------------------$
$   (8) CONTROL CARD II                                                $
$   NAV,JSTART,TSTART,TIME,CRITSM,CRITGS,CRITHT,WRNPR,WRNSM,WRNGS,WRNHT$
$                                                                      $
$   * A SET OF DEFAULT VALUES ARE AVAILABLE. THEY CAN BE ACTIVATED BY  $
$   INPUTING ZERO FOR THE RESPECTIVE TERMS.                            $
$                                                                      $
$     NAV: MARKER. 1 OR LARGER: AVERAGE-VALUE CARD IS PRESENT.         $
$     JSTART: STARTING JUNCTION (ATMOSPHERE).                          $
$     TSTART: TEMPERATURE AT THE START JUNCTION, DEGREE F.             $
$     TIME: TIME SPAN TO ASSUME QUASI-EQUILIBRIUM, HOUR. DEFAULT 10.   $
$     CRITSM: ACCURACY IN FUME CALCULATION, %. DEFAULT 0.005.          $
$     CRITGS: ACCURACY IN METHAME CALCULATION, %, DEFAULT .01.         $
$     CRITHT: ACCURACY IN TEMPERATURE CALCULATION, F. DEFAULT 0.1.     $
$     WRNPR: PRESSURE DROP WARNING CRITERIA, IN.W.G. DEFAULT 0.01.     $
$     WRNGS: METHANE CONCENTRATION WARNING CRITERIA, %. DEFAULT 1.0.   $
$     WRNSM: FUME CONCENTRATION WARNING CRITERIA, %. DEFAULT 0.05.     $
$     WRNHT: HIGH TEMPERATURE WARNING CRITERIA, F. DEFAULT 100.0.      $
$                                                                      $
$          ***    INPUT DATA FOR CONTROL CARD II HERE    ***           $
$- NAV,JSTART,TSTART,TIME,CRITSM,CRITGS,CRITHT,WRNPR,WRNSM,WRNGS,WRNHT-$

    0  1 50.0  10.0 .005  0.10   .20  .01 .05   1.0  95.

$----------------------------------------------------------------------$
$   (9) AVERAGE-VALUE CARD:                                            $
$     HAAVR,HKAVR,KFAVR,LAAVR,AAVR,OAVR                                $
$                                                                      $
$     IT MUST EXIST IF NAV IN CONTROL CARD II IS 1 OR LARGER. A DEFAULT$
$   VALUE CAN BE ACTIVATED BY INPUTING ZERO FOR THE RESPECTIVE TERM.   $
$   WHEN NAV IS ZERO OR LESS, THE WHOLE SET OF DEFAULT VALUES WILL BE  $
$   TAKEN.                                                             $
$                                                                      $
$     HAAVR: AVERAGE THERMAL DIFFUSIVITY OF ROCK, FT2/HR. DEFAULT 0.1. $
$     HKAVR: AVERAGE THERMAL CONDUCTIVITY OF ROCK, BTU/HR*FT*F.        $
$            DEFAULT 3.0.                                              $
$     KFAVR: FRICTION FACTOR, 1.E-10 LBM*MIN2/FT4. DEFAULT 100.        $
$     LAAVR: AVERAGE LENGTH OF AIRWAY, FT. DEFAULT 500.                $
$     AAVR: AVERAGE SECTIONAL AREA OF AIRWAY, FT2. DEFAULT 100.        $
$     OAVR: AVERAGE PERIMETER, FT. DEFAULT 40.                         $
$                                                                      $
$         ***   INPUT AVERAGE-VALUE CARD HERE IF NEEDED   ***          $
$----------------- HAAVR,HKAVR,KFAVR,LAAVR,AAVR,OAVR ------------------$

$----------------------------------------------------------------------$
$    (10) TIME TABLE FOR CONDITION CHANGES:                            $
$                                                                      $
$      THIS TIME TABLE CAN CONTAIN THE FOLLOWING CONDITION CHANGES. IT $
$    MUST END WITH A ONE-LINE INPUT OF A VALUE LARGER THAN "SPAN" IN   $
$    CONTROL CARD I. THIS TIME TABLE MUST EXIST, BUT MAY CONTAIN ONLY  $
$    THE ENDING LINE. THE ORDER OF CHANGING CONDITIONS MUST BE ARRANGED$
$    ACCORDING TO THE RESPECTIVE OCCURING TIME.                        $
$                                                                      $
$    1) TS,1,NBR,R                                                     $
$       THIS INPUT CHANGES BRANCH "NBR" TO AN ORDINARY AIRWAY WITH     $
$     AIRFLOW RESISTANCE EQUAL TO "R" AT "TS" MIN. AFTER TIME ZERO.    $
$       TS: OCCURING TIME OF THE CHANGE CONDITION, MIN.                $
$       NBR: AIRWAY ID NUMBER.                                         $
$       R: RESISTANCE OF AIRWAY 1.E-10 IN. W.G./(CFM)2.                $
$    2) TS,2,NBR,INDEX,QF1,PF1,QF2,PF2,QF3,PF3,QF4,PF4,QF5,PF5         $
$       THIS INPUT CHANGES BRANCH "NBR" TO A FAN BRANCH WITH ITS       $
$     CHARACTERISTICS SPECIFIED BY "QF1" TO "PF5".                     $
$       INDEX: NUMBER OF DATA POINTS TO DEFINE FAN CHAR. MAX. 5.       $
$       QF: AIRFLOW RATE IN FT**3/MIN.                                 $
$       PF: CORRESPONDING FAN PRESSURE IN IN. W.G.                     $
$    3) TS,3,NBR,CONT,CONC,HEAT,O2MIN,SMPO2,HTPO2,QCENT,TPR            $
$       THIS INPUT CHANGES BRANCH "NBR" TO A FIRE SOURCE BRANCH WITH   $
$     FIRE CHAR. SPECIFIED BY "CONT" TO "TPR", WHICH RETAIN THE SAME   $
$     MEANING AS IN FIRE SOURCE CARD (7). REFER BACK TO (7) FOR DETAIL $
$    4) TS,4,NBR                                                       $
$       THIS INPUT CHANGES FIRE BRANCH "NBR" TO AN ORDINARY AIRWAY AT  $
$     TIME "TS".                                                       $
$    5) TS,5,TINC                                                      $
$       THIS INPUT CHANGES TIME INCREMENT IN SYNAMIC SIMULATION TO A   $
$     NEW VALUE "TINC" IN SEC.                                         $
$    6) TS,6,TOUT                                                      $
$       THIS INPUT CHANGES OUTPUT INTERVAL TO A NEW VALUE OF "TOUT"    $
$     MIN.                                                             $
$    7) TS,7,JDPP                                                      $
$       THIS INPUT FORCES DETAILED RECORDS TO BE SET UP FOR AIRWAYS    $
$     WHICH ARE ON THE IMMEDIATE DOWN-STREAM SIDE OF JUNCTION "JDPP"   $
$     AT "TS" MIN. AFTER TIME ZERO.                                    $
$                                                                      $
$         ***    INPUT CONDITION CHANGE TIME TABLE HERE    ***         $
$-- (IT MUST END WITH A ONE-LINE VALUE LARGER THAN "SPAN" IN CARD I) --$

1,1,23,1000
1,1,14,50
100
\032
```