```
5985 BATCH S.I.M. ENTRY SEQUENCE #1:

: SAMPL,TOTAL,FRN,STD,TUNEF,MODE

WHERE: SAMPL   = STARTING SAMPLE NUMBER IN TRAY [1 TO 36]
       TOTAL   = TOTAL NUMBER OF SAMPLES TO BE DONE [1 TO 36]
       FRN     = DATA FILE FOR 1ST SAMPLE STORAGE (> =5000)
                 SUBSEQUENT DATA FILES ARE ASSIGNED SEQUENT-
                 IALLY FOR REMAINING SAMPLES. INTERVENING
                 DATA FILE REFERENCE NUMBERS ARE NOT PERMITTED.
       STD     = INTERNAL STANDARD SAMPLE SPECIFICATION.
                 [LIMIT >=0 <=5 MAY OR < TOTAL NUMBER OF
                 SAMPLES , WHEN TOTSM <= 5].
                 0 = NO INTERNAL STANDARD SAMPLE THIS BATCH.
       TUNEF   = DISC FILE NUMBER ASSIGNED TO TUNING FILE
                 FOR S.I.M.  TYPICALLY '1000' IS USED FOR
                 STANDARD EI MODE, HOWEVER, OTHER FILES ARE
                 ACCEPTABLE, IF ESTABLISHED BY "AUTOTUNE", OR
                 "OVER-RIDE" PROGRAMS.
       MODE    = EICI MODE     [LIMITS = 0 TO 2]
                 0 = EI , 1 = CI , 2 = NEGATIVE CI

: 1,25,12100,0,1000,0
```

```
BATCH S.I.M. SAMPLE #    1
5985 BATCH S.I.M. ENTRY SEQUENCE #2:

: CRN,SYRNGE,GCCOND,GCRPT

WHERE: CRN     = CARTRIDGE REFERENCE NUMBER TO BE USED FOR
                 DATA STORAGE. [LIMIT = 1 TO 255]
       SYRNGE  = SYRINGE STROKE [LIMIT = 1 TO 3]
                 1= FULL , 2= 1/4 TO 1/2,  3= 1/4 STROKE
       GCCOND  = REQUEST TO ALTER HP5840 GC CONDITIONS
                 0 = NO CHANGE IN GC CONDITIONS
                 1 = CHANGE TEMP1,TEMP2,TIME1,TIME2,& RATE
                 2 = CHANGE TEMPERATURES ONLY
                 4 = CHANGE SIGNAL,VALVE & FLOWS ONLY
                 8 = CHANGE ALL SETPOINT PARAMETERS
                 ( COMBINATIONS OF 1 THROUGH 7 ARE ACCEPTED )
       GCRPT   = STATUS TO SAVE HP 5840 REPORT ON DISC WHERE:
                 0 = NO REPORT, >0 = SAVE REPORT.
: 21,1,0,0
```

```
BATCH S.I.M. SAMPLE #    1
5986 BATCH S.I.M. ENTRY SEQUENCE #3:

: PEAK%,CHROM,TOTAL

WHERE: PEAK%   = PEAK THRESHOLDING CRITERIA PER GROUP, WHERE
                 MAXIMUM HEIGHT BETWEEN SPECTRA = 100% THRES-
                 HOLD. FOR EXAMPLE : A 1% ENTRY WOULD DETECT
                 HEIGHTS >= 1% OF MAXIMUM HEIGHT FOUND IN
                 GROUP.  [ LIMIT >= 0.1% <= 100 %]
       CHROM   = CHROMATOGRAPH REQUEST FOR NORMALIZATION AND
                 SMOOTHING REPORT ON SIM GROUPS THIS SAMPLE.
                 0 = NO REPORT, 1 = NO CONTRACTION FACTOR
                 2 = CONTRACTION FACTOR OF 2
                >2 = CONTRACTION FACTOR OF 4
       TOTAL   = TOTAL NUMBER OF S.I.M. GROUPS TO BE DONE ON
                 THIS SAMPLE. [LIMIT >=1 <=5].

: 5,0,4


BATCH S.I.M. SAMPLE #    1
APPROXIMATE AVAILABLE RUN TIME (MINUTES) =  566
5985 BATCH S.I.M. ENTRY SEQUENCE #4:

: GCRUN,DELAY,STEMP,HIVLT

WHERE: GCRUN   = GC RUN TIME [LIMIT = 1 TO 327.67 MINUTES]
       DELAY   = SCAN DELAY TIME IN MINUTES [>= 0 < GCRUN]
       STEMP   = ION SOURCE TEMPERATURE [LIMIT = 0 TO 350]
       HIVLT   = ELECTRON MULTIPLIER HIGH VOLTAGE
                 [LIMIT >=0 <= 3000]

: 38,11,200,2600
```

```
BATCH S.I.M. SAMPLE =   1
BATCH S.I.M. GROUP =  1
E985 BATCH SIM ENTRY SEQUENCE #5:
: START,TTIME,MASS1,DWELL1,MASS2,DWELL2,
    MASS3,DWELL3,MASS4,DWELL4

WHERE: START  = GROUP START TIME IN MINUTES
                [LIMIT > SCAN DELAY TIME ( OR PRIOR GROUP
                START TIME + STOP TIME) < = GC RUN TIME]
       TTIME  = TOTAL TIME IN MINUTES FOR THIS
                GROUP TO SCAN. 'TTIME' MUST BE > TOTAL
                DWELL TIME FOR GROUP. 'START' + 'TTIME'
                TIME CANNOT EXCEED GC RUN TIME.
       MASS1  = DECIMAL VALUE FOR ION TOTAL MASS (MASS 1)
                [LIMIT = 0.1 TO 1000]
       DWEL1  = SCAN DWELL TIME IN MILLISECONDS TO SCAN
                MASS 1. [INTEGER LIMIT >=50 <= 32767. ENTRY
                CAN NOT EXCEED SPECIFIED GC RUN TIME.]

 NOTE: REMAINING PAIRS OF MASSES & DWELL TIMES CAN EITHER BE
       ENTERED OR DEFAULTED. A MASS WILL NOT BE ACCEPTED
       WITHOUT AN ACCOMPANYING DWELL TIME ENTRY.

: 11.01,4.49,139,200,178,200,202,200
```

```
BATCH S.I.M. SAMPLE =   1
BATCH S.I.M. GROUP =  2
E985 BATCH SIM ENTRY SEQUENCE #5:
: START,TTIME,MASS1,DWELL1,MASS2,DWELL2,
    MASS3,DWELL3,MASS4,DWELL4

WHERE: START  = GROUP START TIME IN MINUTES
                [LIMIT > SCAN DELAY TIME ( OR PRIOR GROUP
                START TIME + STOP TIME) < = GC RUN TIME]
       TTIME  = TOTAL TIME IN MINUTES FOR THIS
                GROUP TO SCAN. 'TTIME' MUST BE > TOTAL
                DWELL TIME FOR GROUP. 'START' + 'TTIME'
                TIME CANNOT EXCEED GC RUN TIME.
       MASS1  = DECIMAL VALUE FOR ION TOTAL MASS (MASS 1)
                [LIMIT = 0.1 TO 1000]
       DWEL1  = SCAN DWELL TIME IN MILLISECONDS TO SCAN
                MASS 1. [INTEGER LIMIT >=50 <= 32767. ENTRY
                CAN NOT EXCEED SPECIFIED GC RUN TIME.]

 NOTE: REMAINING PAIRS OF MASSES & DWELL TIMES CAN EITHER BE
       ENTERED OR DEFAULTED. A MASS WILL NOT BE ACCEPTED
       WITHOUT AN ACCOMPANYING DWELL TIME ENTRY.

: 15.51,4.49,178,200,270,200,340,200
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   3
5985 BATCH SIM ENTRY SEQUENCE #5:
: START,TTIME,MASS1,DWELL1,MASS2,DWELL2,
    MASS3,DWELL3,MASS4,DWELL4

WHERE: START  = GROUP START TIME IN MINUTES
               [LIMIT > SCAN DELAY TIME ( OR PRIOR GROUP
               START TIME + STOP TIME) < = GC RUN TIME]
       TTIME  = TOTAL TIME IN MINUTES FOR THIS
               GROUP TO SCAN. 'TTIME' MUST BE > TOTAL
               DWELL TIME FOR GROUP. 'START' + 'TTIME'
               TIME CANNOT EXCEED GC RUN TIME.
       MASS1  = DECIMAL VALUE FOR ION TOTAL MASS (MASS 1)
               [LIMIT = 0.1 TO 1000]
       DWEL1  = SCAN DWELL TIME IN MILLISECONDS TO SCAN
               MASS 1. [INTEGER LIMIT >=50 <= 32767. ENTRY
               CAN NOT EXCEED SPECIFIED GC RUN TIME.]

 NOTE: REMAINING PAIRS OF MASSES & DWELL TIMES CAN EITHER BE
       ENTERED OR DEFAULTED. A MASS WILL NOT BE ACCEPTED
       WITHOUT AN ACCOMPANYING DWELL TIME ENTRY.

: 20.01,5.99,275,200,338,200,408,200
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   4
5985 BATCH SIM ENTRY SEQUENCE #5:
: START,TTIME,MASS1,DWELL1,MASS2,DWELL2,
    MASS3,DWELL3,MASS4,DWELL4

WHERE: START  = GROUP START TIME IN MINUTES
               [LIMIT > SCAN DELAY TIME ( OR PRIOR GROUP
               START TIME + STOP TIME) < = GC RUN TIME]
       TTIME  = TOTAL TIME IN MINUTES FOR THIS
               GROUP TO SCAN. 'TTIME' MUST BE > TOTAL
               DWELL TIME FOR GROUP. 'START' + 'TTIME'
               TIME CANNOT EXCEED GC RUN TIME.
       MASS1  = DECIMAL VALUE FOR ION TOTAL MASS (MASS 1)
               [LIMIT = 0.1 TO 1000]
       DWEL1  = SCAN DWELL TIME IN MILLISECONDS TO SCAN
               MASS 1. [INTEGER LIMIT >=50 <= 32767. ENTRY
               CAN NOT EXCEED SPECIFIED GC RUN TIME.]

 NOTE: REMAINING PAIRS OF MASSES & DWELL TIMES CAN EITHER BE
       ENTERED OR DEFAULTED. A MASS WILL NOT BE ACCEPTED
       WITHOUT AN ACCOMPANYING DWELL TIME ENTRY.

: 26.01,11.99,343,200,406,200,476,200
```