```
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 MAX 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

: 1,20,10300,0,1000,0
```

```
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.
: 3,1,0,0
```

```
BATCH S.I.M. SAMPLE #    1
6985 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) =  666
6985 BATCH S.I.M. ENTRY SEQUENCE #4:

: GCRUN,DELAY,STEMP,HIVLT

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

: 36,12,250,3000
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   1
5985 BATCH SIM ENTRY SEQUENCE #6;
: 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.

: 12.01,5.99,236,200,173,200,178,200
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   2
5985 BATCH SIM ENTRY SEQUENCE #6;
: 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.

: 18.01,4.99,304,200,241,200,374,200
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   3
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]
       DWELL  = 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.

: 23.01,9.99,372,200,309,200,4421200
```

```
BATCH S.I.M. SAMPLE #    1
BATCH S.I.M. GROUP #   4
E986 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]
       DWELL  = 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.

: 33.01,4.99,448,200,377,200,510,200
```