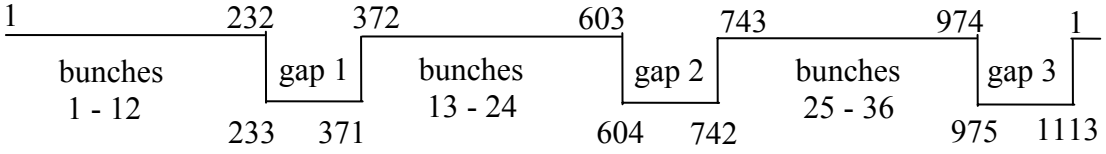
The page (T43 - SLIGHT - subpage 15) gives the timings of the 3 abort gap samples as well as showing the values. The samples T:AGIGI1, T:AGIGI2, T:AGIGI3 are taken in abort gaps 1, 2 and 3 respectively. The integration gate starts at the bucket no. given modulo 1113 - thus the gate for sample T:AGIGI2 starts at bucket no. 1729 - 1113 = 616 and the sample for abort gap 3 starts at bucket 1035. (See the diagram below)

```
T43  ABORT GAP INTEGRATOR          SET     D/A    A/D  Com-U ◆PTools◆
-<FTP>+ *SA◆ X-A/D  X=TIME      Y=C:LOSTP ,C:LOSTPB,T:LE033 ,C:B0PAGC
COMMAND ---- Eng-U  I= 0        I= 0       , 0       , 0       , 0
-<15>+  One+ AUTO   F= 900      F= 40000   , 10000   , 4       , 40000
sbd    bpm     flywir ibeams fbi    blt     blm     ipm     SLIGHT
 T:AGISUM      TAGI Gap Intensity Sum                 4.836   E09
-T:AGIGI1      TAGI Gap Intensity 12-13     267       3.454   E09
-T:AGIGI2      TAGI Gap Intensity 24-25     1729       .523   E09
-T:AGIGI3      TAGI Gap Intensity 36-1      2148       .858   E09


-T:AGISF       TAGI Scale Factor           -343      -343     E09
-T:AGIOF       TAGI Offset                  0         0       E09

-T:AGISUB      TAGI Background Sub          1         1       Y/N
-T:AGIINW      TAGI Integration Width       70        70      bkts
-T:AGIGTW      TAGI HV Gate Width           134       134     bkts
-T:AGIDIG      TAGI Digitizer Pulse Wth     1         1       bkts
-T:AGIDLY      TAGI Digitizer Pulse Dly     3         3       bkts
-T:AGISQL      TAGI Sum Squelch Level      -10       -10      E 09

-T:AGIBK1      TAGI Background Reading1     0        -13.8    E09
 T:AGIBK2      TAGI Background Reading2              -14.32   E09
 T:AGIBK3      TAGI Background Reading3              -8.855   E09

 T:AGIGOF      TAGI Gate Offset                       57 -33
```

Bucket No.s for first and last buckets
of each train and first and last buckets
of each abort gap.



Bucket No.s for first and last buckets
of each abort gap integration period (70 buckets)
T:AGIGI1 = 267 - 336 (center of gap 1)
T:AGIGI2 = 616 - 685 (beginning of gap 2)
T:AGIGI2 = 1035 - 1104 (end of gap 3)

(S. Pordes 6/24/04 based on work of T. Meyer and R. Thurman-Keup)