GENERAL DESCRIPTION OF IRIG B FORMAT

8 ms   2 ms   5 ms   5 ms   2 ms

V1

V2

V2/V1=0.3

REFERENCE BIT   BIT '1'   BIT '0'

TIME FRAME 1 SECOND
INDEX COUNT 10 MILLISECONDS

T=0

sequence duration = 1 second

0   10   20   30   40   50

1 2 4 8   10 20 40 1 2 4 8   10 20 40 1 2 4 8   10 20 1 2 4 8   10 20 40 80   100 200

Seconds   Minutes   Hours   Days

BCD TIME OF YEAR

50   60   70   80   90   100

1 2   4 8   16 32 64 128 256   512 etc..

2 alternations 3/3   Bit 0
8 alternations 1/3

5 alternations 3/3   Bit 1
5 alternations 1/3

8 alternations 3/3   Synchro
2 alternations 1/3

10 ms
=1 bit

Time-of-Day (Straight Binary seconds)

At this point the date is: 173 days, 21 hours,
18 minutes, 42.750 seconds

FORMAT B: BCD Time-of-year in days, hours, minutes and seconds; straight binary seconds-of-day plus optional control bits.