GENERAL IRIG-B DATAFRAME

FORMAT C37.118 ( WITHOUT SBS )

FORMAT C37.118 ( WITH SBS )

REFERENCE MARKER AT START OF SECOND
BCD CODED TIME: SEC, MIN, HR, DAY OF YEAR
INDEX MARKER - ALWAYS CARRIES ZERO BIT
POSITION IDENTIFIER

EMPTY BITS - CONTAIN ALL ZEROS
CONTROL FUNCTIONS MAY CARRY USER DEFINABLE DATA
STRAIGHT BINARY SECOND OF DAY ( 0..86400 )

C37.118 EXTENSIONS
YEAR - YEAR NUMBER 0..99
LSP - LEAP SECOND PENDING INSERTED UP TO 59SEC BEFORE LS INSERTION
LS - ADD LEAP SECOND 1:DELETE LEAP SECOND
DSP - DAYLIGHT SAVING CHANGEOVER PENDING INSERTED UP TO 59SEC BEFORE INSERTION
DST - DAYLIGHT SAVING TIME ACTIVE
TIZ - SIGN OF LOCAL OFFSET
TZ OFFSET - LOCAL OFFSET OF TIMEZONE ( HOURS )
TZ30M - LOCAL OFFSET OF TIMEZONE ( HALF HOUR )
TFOM - TIME FIGURE OF MERIT ( 0 ( BEST ) TO 0xF ( WORST ) )
PAR - PARITY OVER ALL PRECEDING BITS
CTQ - C37.118 CONTINUOUS TIME QUALITY BITS