Special TTY Reader for Loading PDS-1 via Time Sharing

- 1. Receptive to 8 level code
- 2. Ignores first bit entirely (which will be 1 on our files)
- 3. Ignores entire line of 8 bits if next three bits are not 100
- 4. Gets useful information from last 4 bits only

Usually:

1100abcd

useful information

but will accept:

0100abcd

Four lines of four useful bits are required to form a complete 16 bit word. The most significant bits come first.

Coded information on tape or disk:

1100abcd

1100efgh

abcdefghijklmnop

word

1100ijkl

1100mnop

Maximum size of block is 377 octal (255 decimal)

First two lines (8 useful bits) word count

Next four lines (16 useful bits) ... starting address

Four lines for first word

Four lines for second word

Four lines for last word

Four lines for sum check (modules 1777778 sum of data)

X OFF 023

Rub out 377 appears every 1008 lines but is ignored

Rub out 377 by reader

End Code

1100 1111 1100 1111 Word Count of 377

1100 1111

1100 1111 1100 1111 Starting Address of 177777

1100 1111

000 1 0011 X OFF

111 1 1111 Rub out

111 1 1111 Rub out