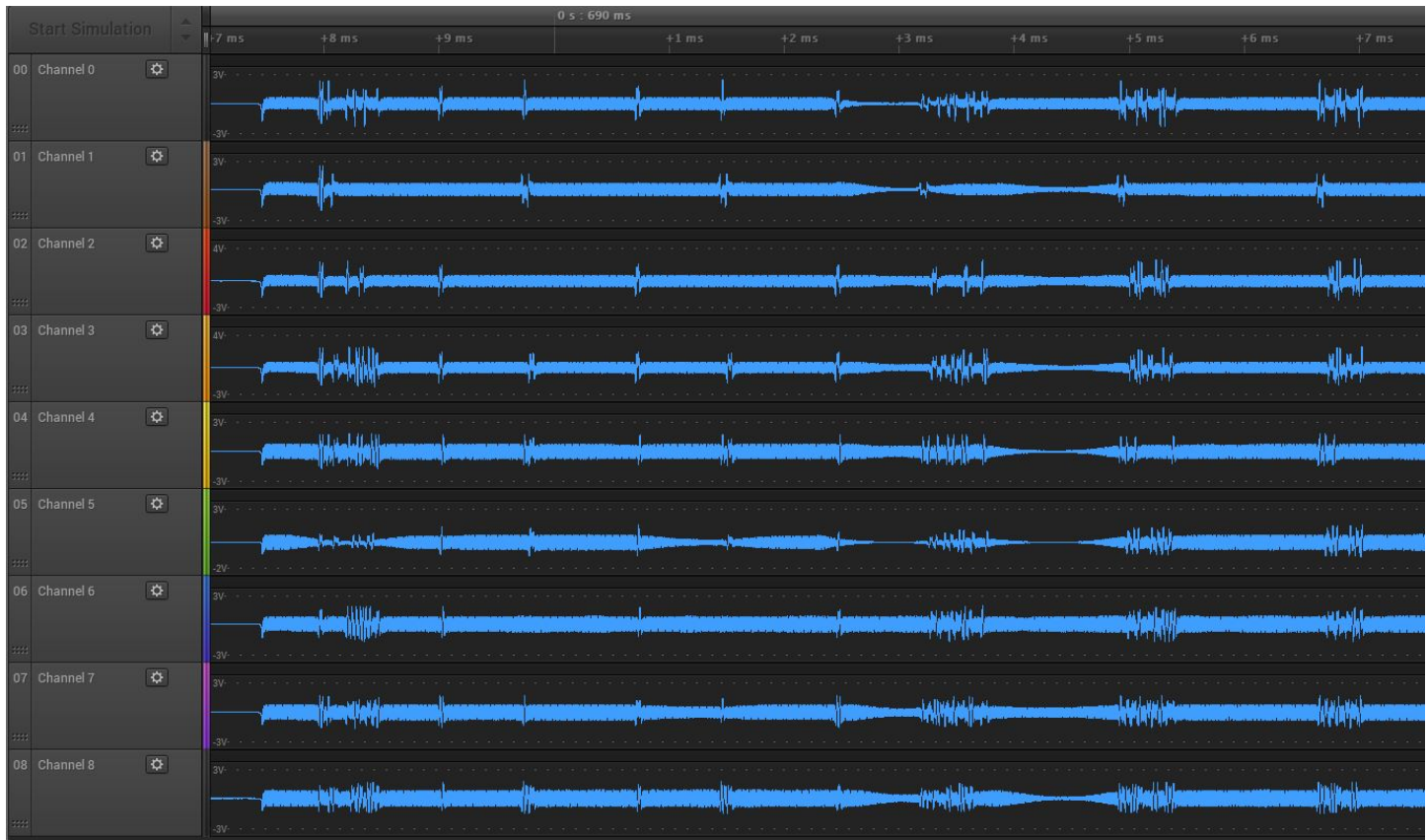


The gimmick of “faking” bits during a dropout only works sometimes, but when it does it’s a big win. Here’s an example of a grungy block we can deal with successfully:



Many of the tracks have spots with weak signal that we can decode fine, as long as the peak-to-peak excursions are at least about 0.1 volts. (Normal is about 1.5 volts.)

Track 5, however, “flatlines” for a while. We fake bits during that time, duplicating the last good bit. It works! It is block 6 in the log below, and since this is a text file I was able to verify that not only is the parity correct, the data is right.

```
C:\data\projects\magtape_reader\readtape\tests>..\lcc\readtape -l file1_03
reading file "file1_03.csv" on Fri Feb 23 15:04:25 2018

*** tape label VOL1: LJS009, owner L SHUSTEK

*** tape label HDR1: .BLP.TRACE.LINSY2, serno LJS009, created 78021
    volume 0001, dataset 0001

creating file "file1_03\000-.BLP.TRACE.LINSY2.bin"

*** tape label HDR2: RECFM=VB, BLKSIZE=01918, LRECL=00137
    job: LJSCG332/TPCPY

*** tapemark
wrote block 1, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.5281907
wrote block 2, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.5644499
wrote block 3, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.6013056
wrote block 4, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.6377376
wrote block 5, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.6741267
wrote block 6, 1785 bytes, 8 tries, parmset 2, 0 parity errs, 45 faked bits on 1 trks, at time 0.7110861
wrote block 7, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.7483456
wrote block 8, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.7851686
wrote block 9, 1785 bytes, 1 tries, parmset 0, 0 parity errs, 0 faked bits on 0 trks, at time 0.8216838
```