Viking---2 Seismology Data

As far as I am aware, there are three kinds of raw seismic data sets from Viking lander 2 that are publicly available. They are:

- - 2. Copies of DTL tapes containing SEISF files generated at JPL during the mission, sent to UT in Galveston, and later restored on an 8---mm cassette tape and archived at IRIS/DMC*. SEISF files contain raw Viking---2 seismology data in binary bit strings, essentially as received from the Viking lander 2 with additional headers and paddings. These bit strings are scrambled and in unusual bit order. Their format description is found in JPL documents SD---37D000 and PD740072. Relevant pages from these documents, provided by JPL librarian Charlene Nichols, are copied in the attached file FromSD---37D000&PD7400072.pdf.
 - 3. Copies of VUS (Viking Unscrambled Seismic) tapes containing USEIS (Unscrambled SEISF) files generated from SEISF files at UT---Galveston during the mission, and later restored on an 8---mm cassette tape and archived at IRIS/DMC*. Format description of VUS tapes is given in the attached file VUSDesctiption.pdf.

We have recently converted VUS tape files to ASCII files. Anyone interested in obtaining a copy of this data set, may send a request to the e---mail address given below.

Please note that these old data may contain errors, such as bit errors, introduced in data transmission and transduction. You may need to deal with these errors case by case.

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^{*}Viking data archived at IRIS/DMC are difficult, if not impossible, to find on their website. If you have problem, please let me know, and I should be able to direct you to someone at IRIS who can help you to obtain the data.