Diplomat™ Demux

Diplomat Demux is an easy to use and fast program for demultiplexing seismic field data into trace sequential order. All known versions of SEGA, SEGB, SEGC, SEGD and non-SEG standard (multiplexed) formats can be converted to SEGY or SEGD (demultiplexed) formats.

Diplomat Demux allows onscreen displays of the data to be viewed during demultiplexing for online quality control, and extracts index information from tape headers for updating databases and data management systems.

Standard Features:

- Automatic format analysis and recognition of all known variations of SEGA, SEGB, SEGC and SEGD data, including Sercel variations, and non-SEG standard multiplexed formats
- Various devices may be used for input or output, including 9-track tape, 3480, 3490E, 3590, 3592, LTO, DTF, DLT, SDLT, 8mm, 4mm, CD, DVD and USB disk
- Includes DPTS tape drivers for long seismic records and enhanced error recovery
- Batch mode or interactive operation
- Interactive operation allows full Operator control over input and output devices for maximum recovery of data on decaying and stiction tapes
- Option for intermediate output to disk to allow maximum data recovery prior to writing to output media
- Demultiplex achieved at tape copy speed, limited only by the drive hardware – a 2400 ft, 6250 bpi tape can be demultiplexed to cartridge in less than 5 minutes
- Supports the use of cartridge stackers to minimise Operator workload and maximise throughput
- Audit trail maintained of files demultiplexed and errors encountered
- Onscreen plotting of selected records and/or traces (e.g. near trace plot) after demultiplex for online quality control (can also be saved as TIFF or BNP files for subsequent viewing or producing hard copy plots)
- Analyses run lists, index files and demux logs to produce a summary of data transcribed and any errors encountered, warning the Operator of possible anomalies – e.g. missing files, missing traces, parity errors
- Index information extracted from tape headers and index files created for updating databases or data management systems (e.g. **Exploration Archives**)
- A Project Control File (PCF) acts as a database holding all information for a single project. Labels and reports can be generated from the PCF database as required.

Additional Features:

- Vibroseis correlation
- Insert navigation data from navigation tapes into trace headers (3D data)
- Handles 21-track tape formats (e.g. 9K, 10K, TIAC, DFS3, DFS4, SN328, SN338)

System Requirements:

- Intel compatible Pentium Workstation (including 64-bit systems)
- Windows 7 / Vista