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The CMS provides for Automatic Data Logging (ADL) on magnetic tape of the survey parameters required to process the seismic data, thereby eliminating human error. The ADL data is recorded on magnetic tape at the shotpoint interval. An interface between the CMS and the seismic recording system allows the CMS system to read and record the seismic record, reel number and tape at the shotpoint interval along with related navigation data and additional data from auxiliary equipment such as gravity, magnetics, streamer tracking and fathometer systems. An extender header device allows the CMS system to transfer the shotpoint number, Greenwich Mean Time (GMT), and Julian date for recording in the extended header of the seismic record thereby providing for a redundant cross check in data processing between the seismic and navigation data.