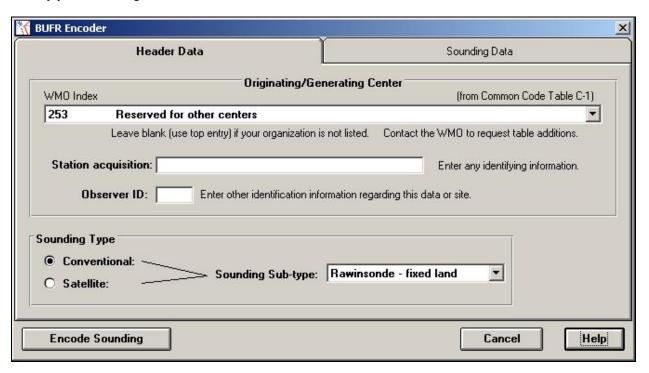**Binary Encoders Module.** This is an optional program module, which includes the BUFR and netCDF data encoders.

BUFR Encoder. This option saves the sounding in the special WMO code form FM 94 BUFR (Binary Universal Form for the Representation) data format. Both single and multiple sounding files can be encoded into the BUFR format.

The first tab of the BUFR encoder is shown below. It encodes administrative qualifiers necessary for the proper function of BUFR decoders. The topmost entry, "WMO Index" is a restricted entry field, as it only allows predetermined table options (reference: Common Code Table C-1). If you do not represent any of the allowed table entries, then you must contact the WMO to add your organization to the table listing. In contrast, the "Station acquisition" and "Observer ID" entries are optional and completely free form. The "Sounding Type" entries should be selected to best identify your sounding data.

The second tab of the BUFR encoder allows encoding of either a single sounding, all soundings within a multi-sounding file, or a specified range of soundings. Note that the BUFR Encoder only encodes the following parameters: Pressure, Temperature, Dewpoint, Height, and Winds (U,V,W components).