GPR data collected for SnowEx 2017 on Grand Mesa, CO. Comma separated values are in columns with the following definitions:

column 1: Collection information in the format of GPR_LineNumber_date(mmddyy) where line number is associated with the raw file line number.

column 2: Trace number within the raw file. Each trace is the individual recording of received signal from the GPR pulse.

column 3: longitude recorded at the precision of the GPS communicating with the GPR unit, linearly interpolated between 1 s recordings

column 4: latitude recorded at the precision of the GPS communicating with the GPR unit, linearly interpolated between 1 s recordings

column 5: elevation [m]recorded at the precision of the GPS communicating with the GPR unit, linearly interpolated between 1 s recordings

column 6: Two Way Traveltime [ns] of the interpreted ground surface reflection

column 7: Snow Depth [m] calculated from the two way traveltime, assuming a velocity of 0.234 m/ns based on average velocity from comparisons with manual depth measurements

column 8: Snow Water Equivalent [mm] calculated from the estimated depth, assuming a density of 335 kg/m3 based on snow pit observations

column 9: easting calculated from the recorded longitude

column 10: northing calculated from the recorded latitude

column 11: UTM zone for the calculated easting and northing

column 12: Transect number associated with the trace record