Sontek PCADP Pulse Coherent Mode

Profiling ping

Velocity is proportional to the rate of change in phase between samples of return signals from pulses 1 and 2. Each sample is a cell measurement.

Center of cell #1 is blank + 1/2 cell size from the head

Resolution ping

Resolution Pulse Lag, RPG, must be in the water column and between ½ to 1/3 of the Profiling Lag (PG)

Drawing by Marinna Martini, U.S. Geological Survey, 1/20/05