“We look for the largest vertical gradient in both Z (levelZ) and Doppler velocity (levelW). If those heights agree within 3 gates, i.e. both see the gradient in the almost the same place, we compute the height using (levelZ + levelW +1)/2  (i.e. we round up one gate so that we are drawing the line at top of melting layer). Otherwise if we do not see a strong gradient or the if heights from W and Z           do not agree we do not plot it.”