FORM TO SPECIFY INPUT DATA FOR BACKGROUND SOUND-SPEED MODEL CTANH

This model represents the sound-speed profile by a sequence of linear segments that are smoothly joined by hyperbolic functions:

 $z = r - r_e$, where r_e is the Earth radius, and r is the radial coordinate of the ray point. Thus, δ_i is the half-thickness of a region centered at approximately z_i km, in which dC/dz changes from b_i to b_{i+1} . Start by drawing a profile with linear segments, and get C_i and z_i from the corners. Then select δ_i to round the corners. The final profile will not go through (C_i, z_i) . Specify--

the model check for CTANH = 7.0 (W150)

the input data-format code = (W151)

an input data-set identification number = (W152)

an 80-character description of the model with parameters:

and the profile values:

the number of points in the profile -2 = n =the profile: i z_i C_i δ_i (km,m) (km,m)

OTHER MODELS REQUIRED: Any sound-speed perturbation model. Use NPSPEED if no perturbation is desired. FUNCTION ALCOSH.