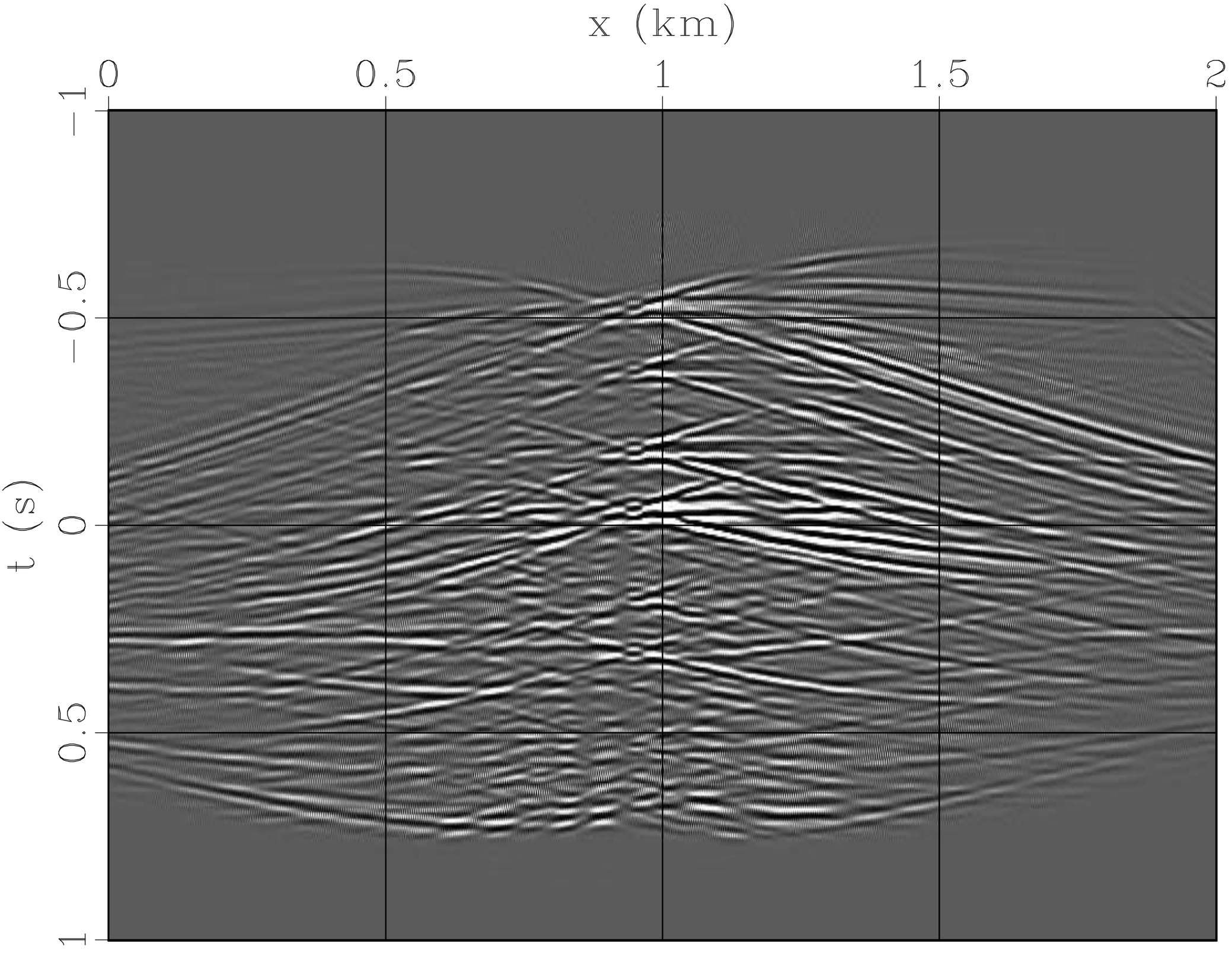

bottom #5: v_S p_0*