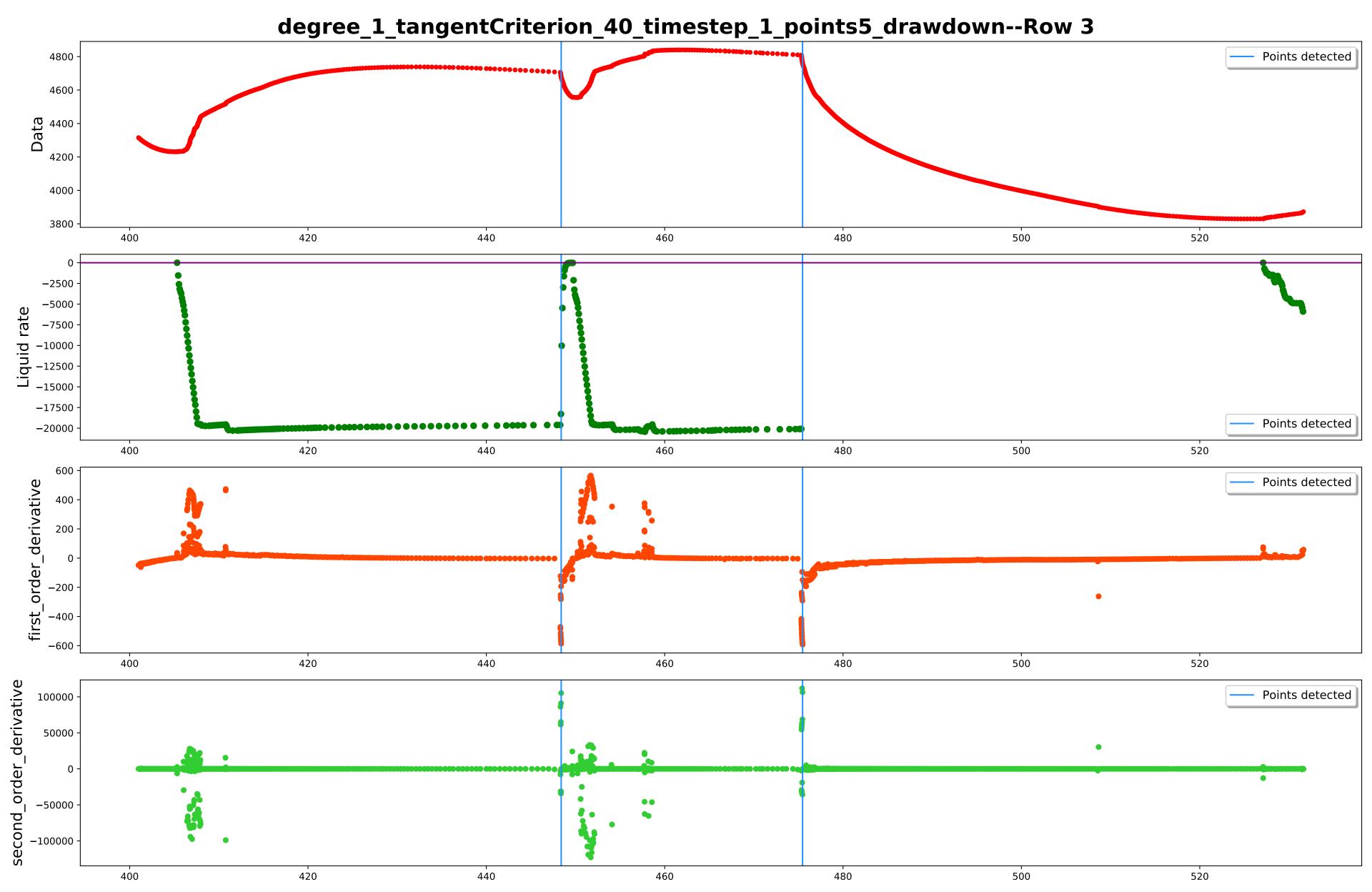
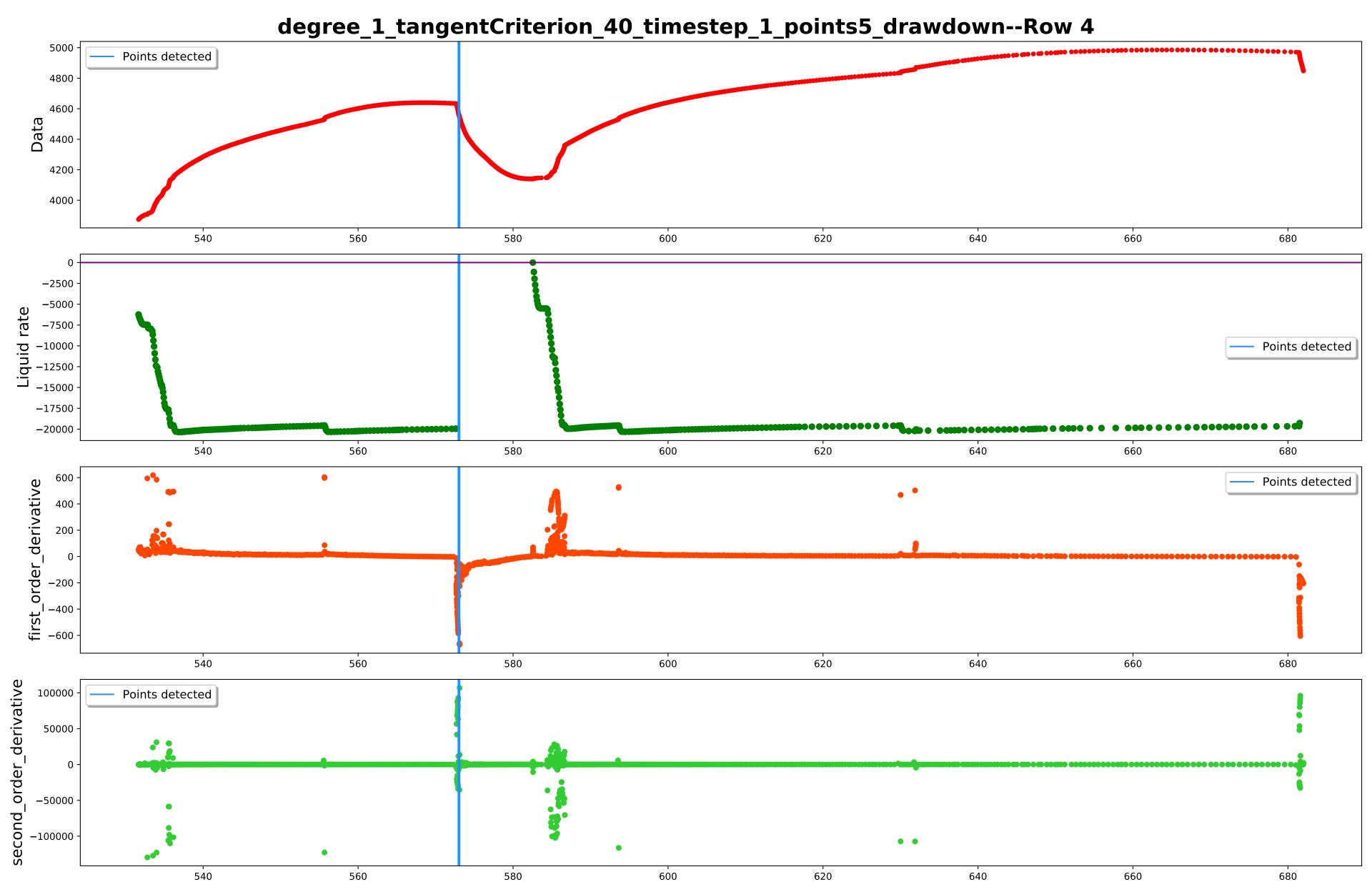
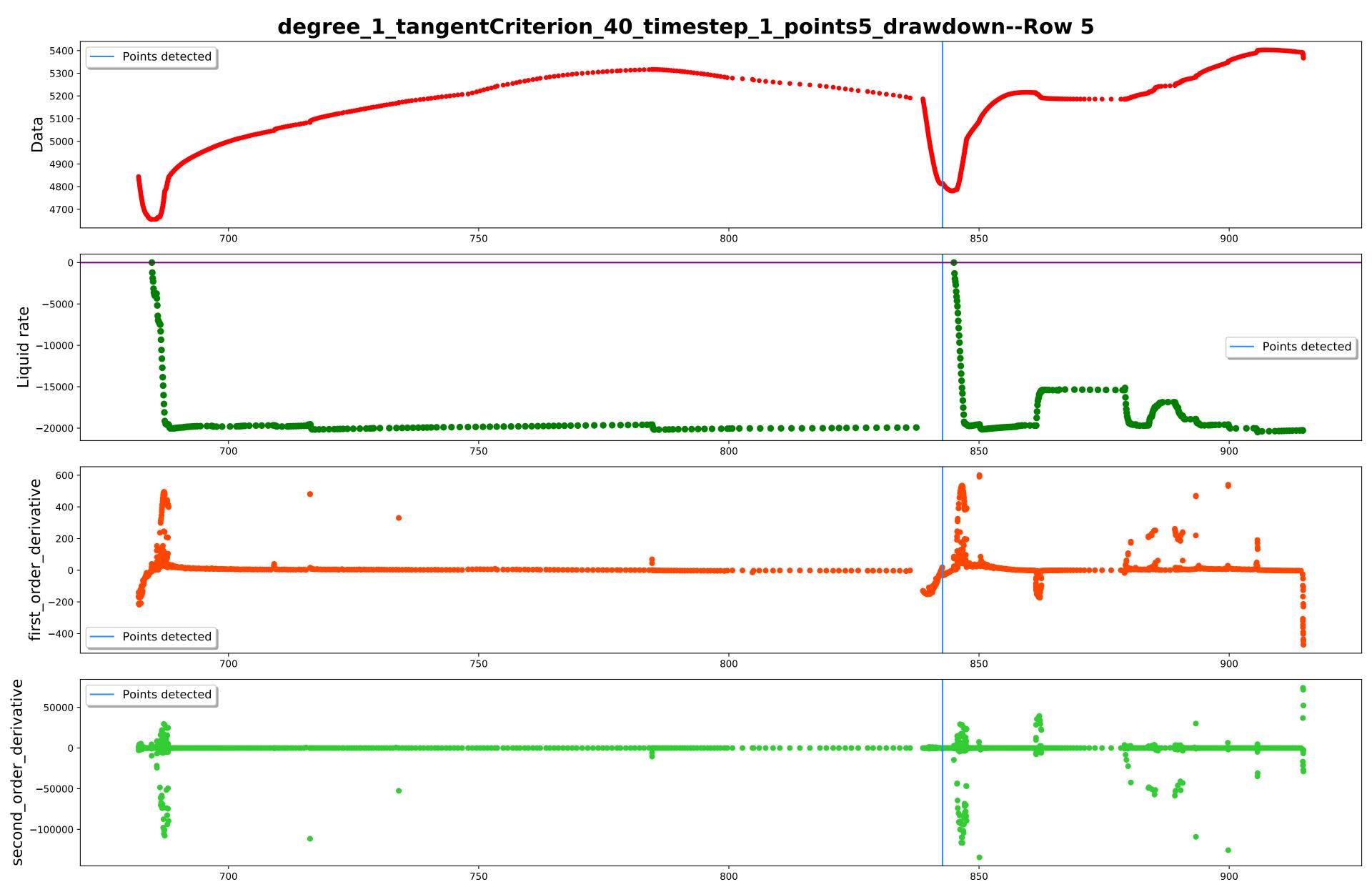
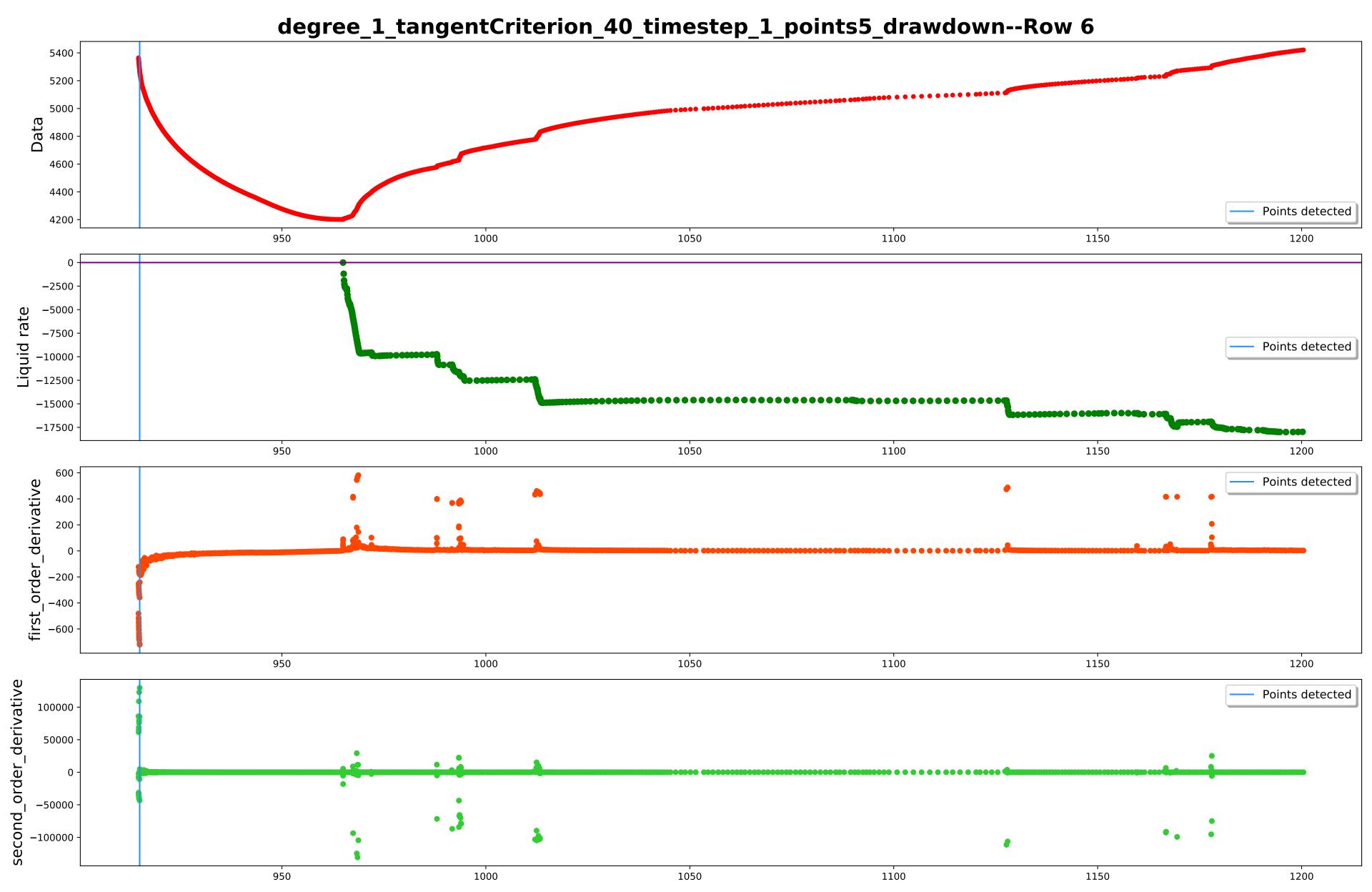


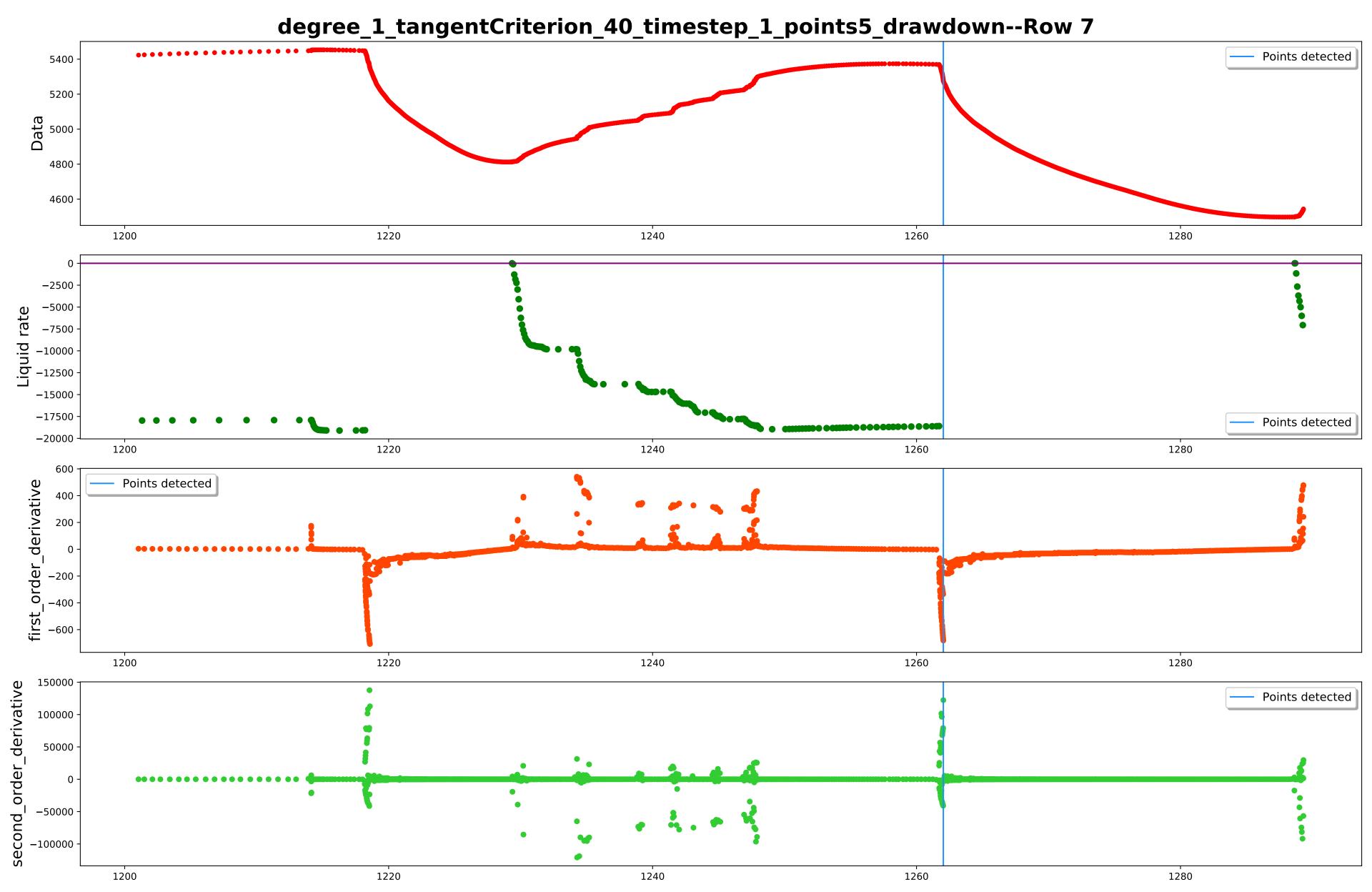
degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 2 Points detected Data -5000 Liquid rate –15000 –15000 Points detected -20000 Points detected first_order_derivative **-**400 second_order_derivative Points detected -25000 -50000 -75000 -100000

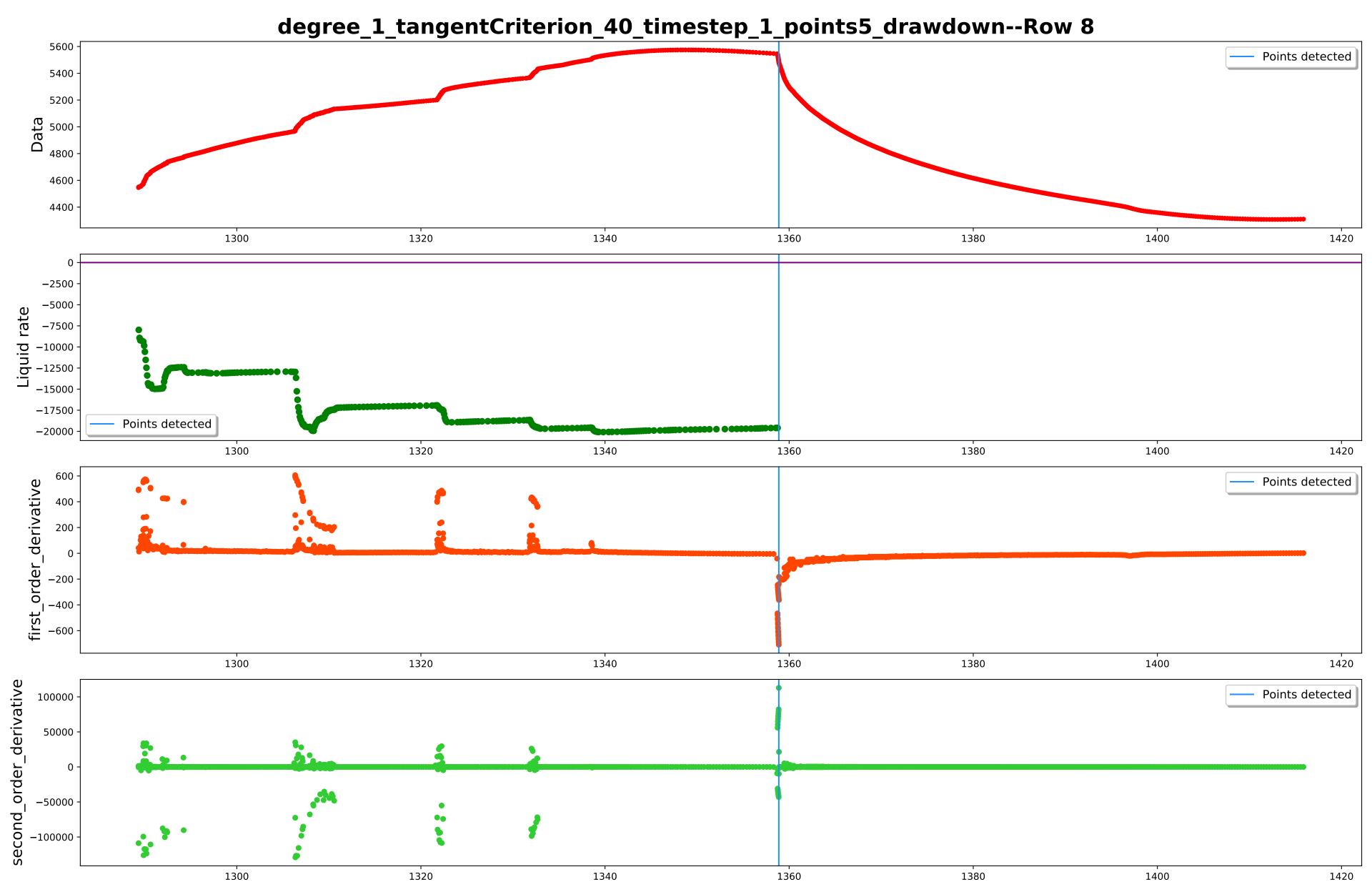


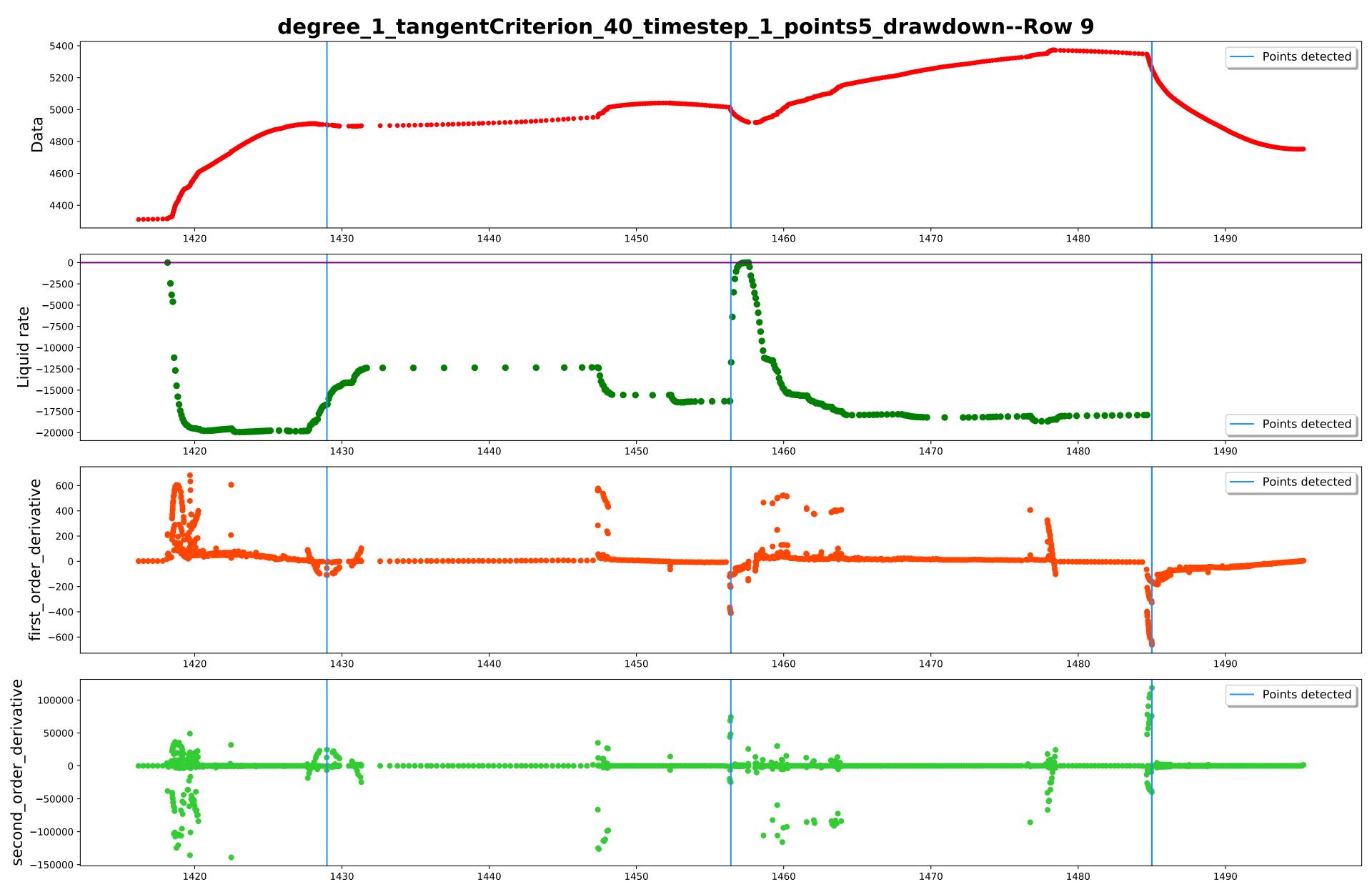




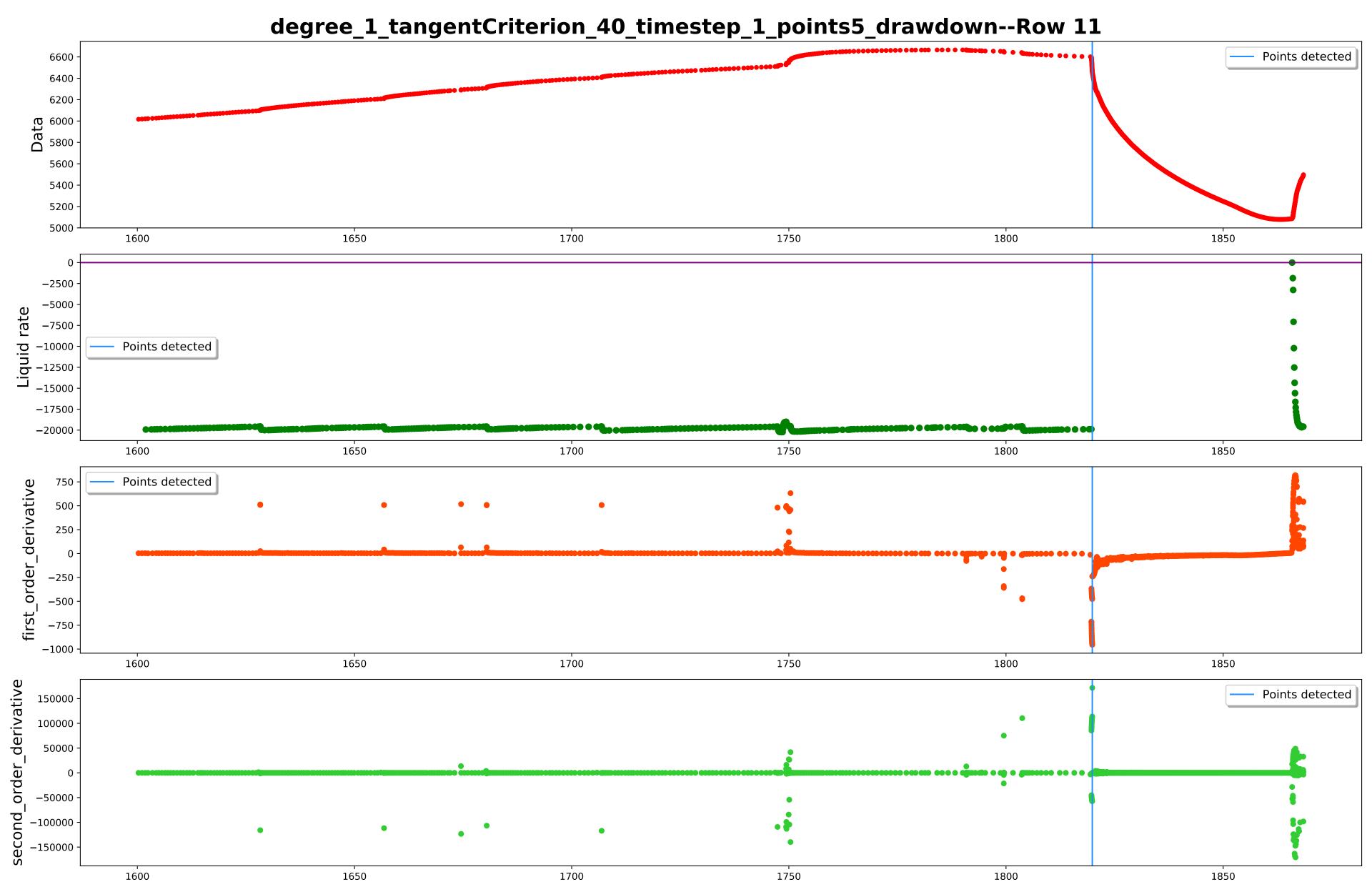




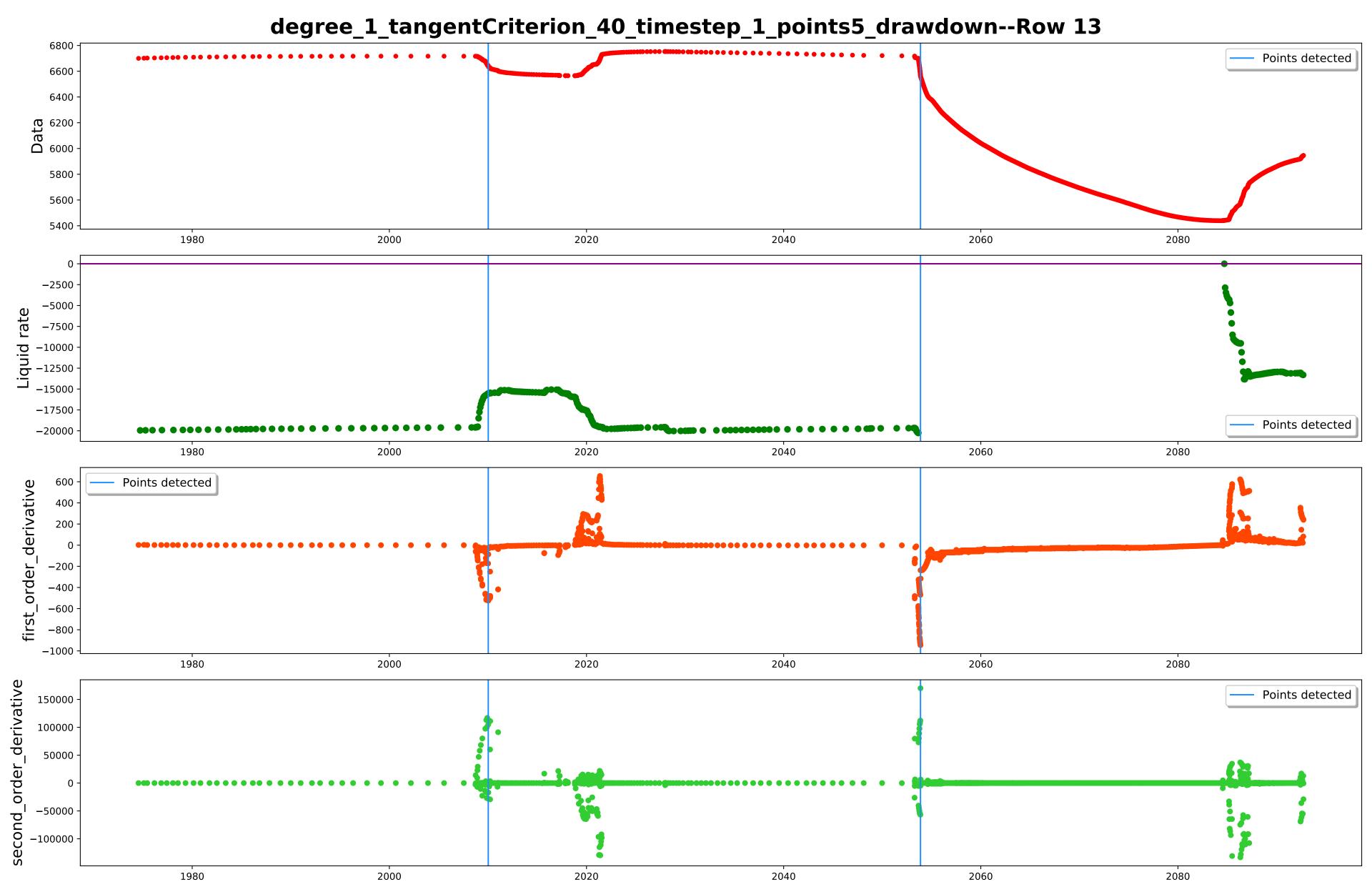


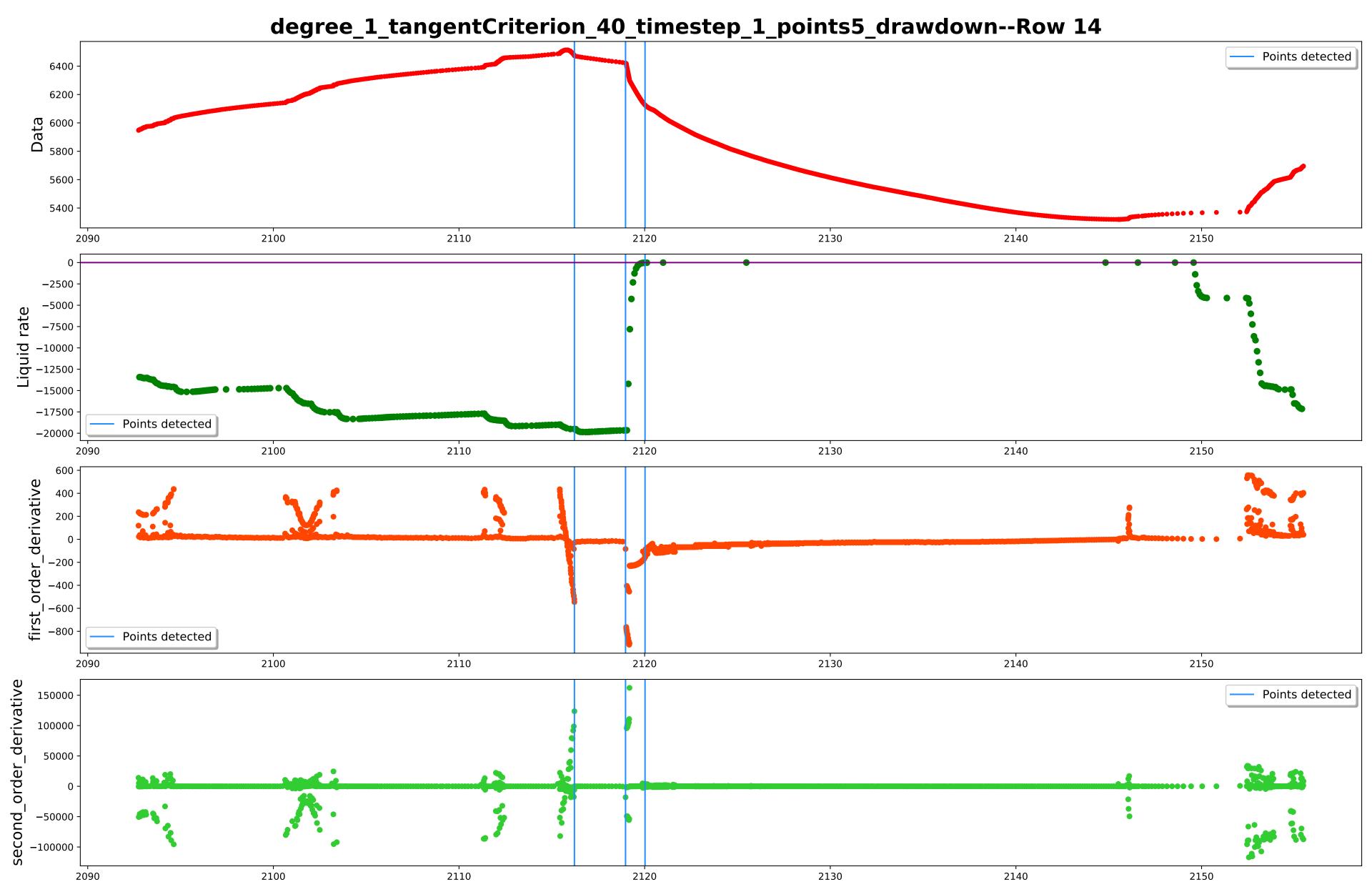


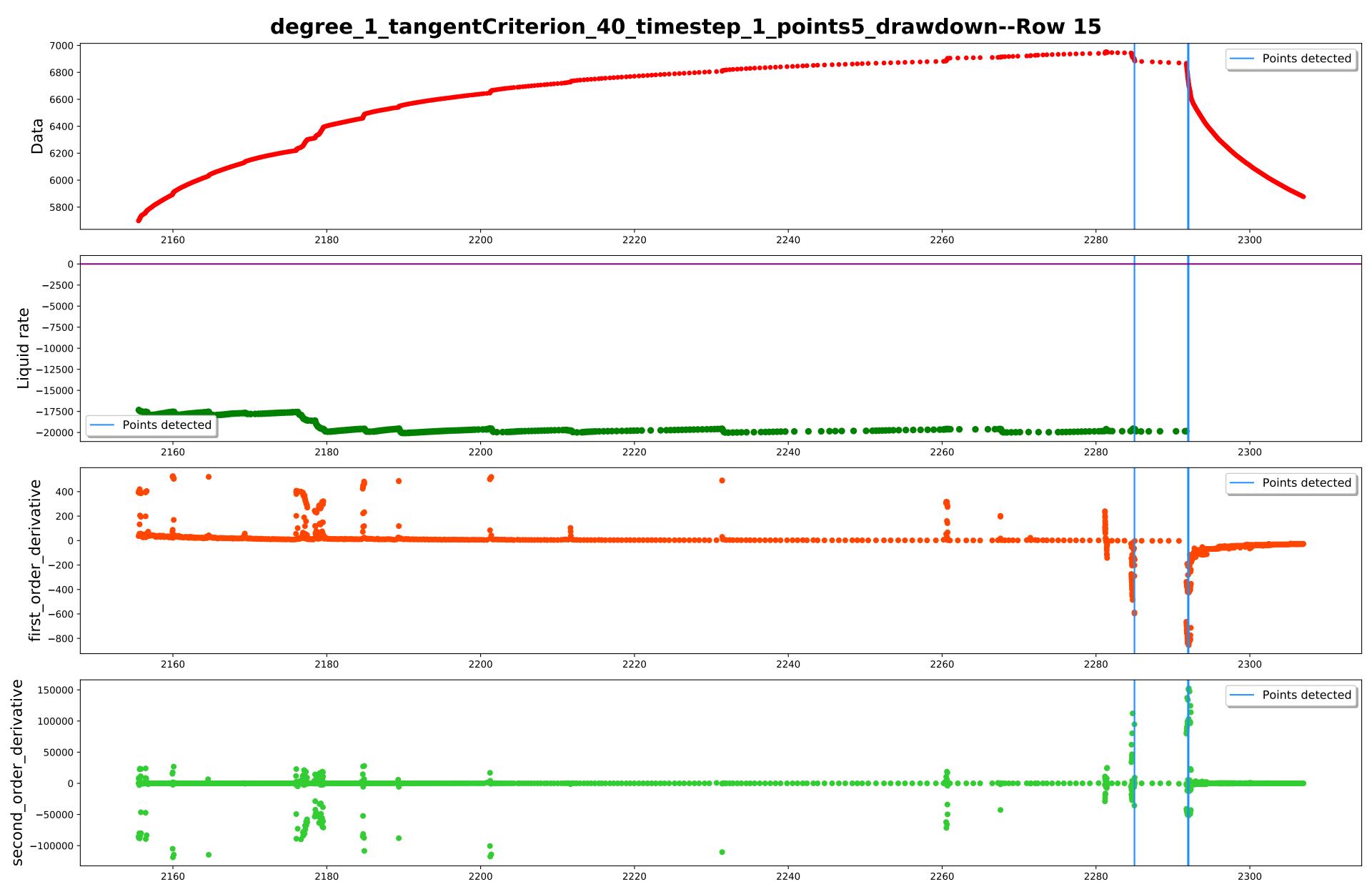
degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 10 Points detected -2500 -5000 Liquid rate -7500-10000-12500 -15000 -17500 Points detected -20000 Points detected first_order_derivative -400 -600 -800 Points detected

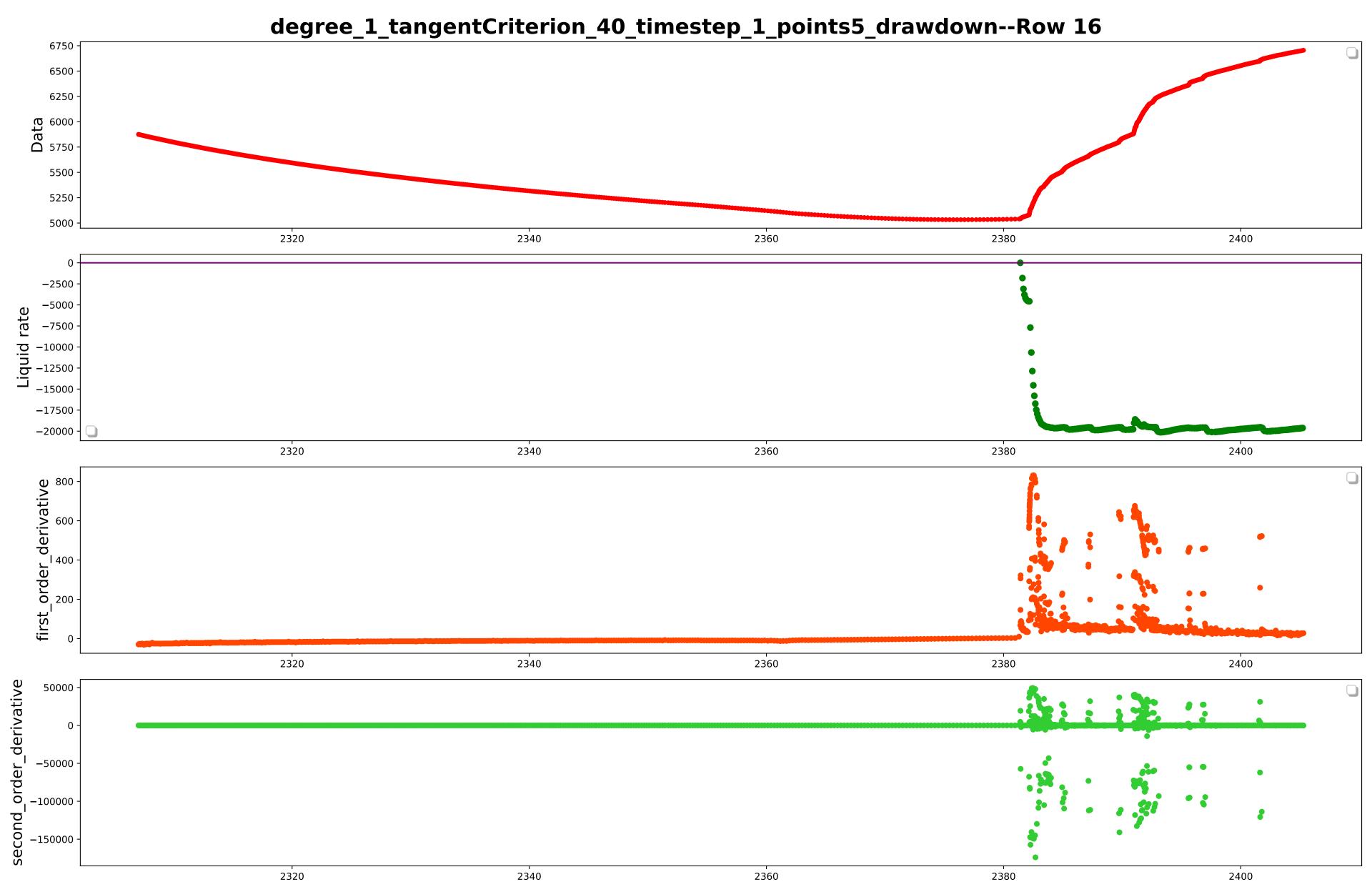


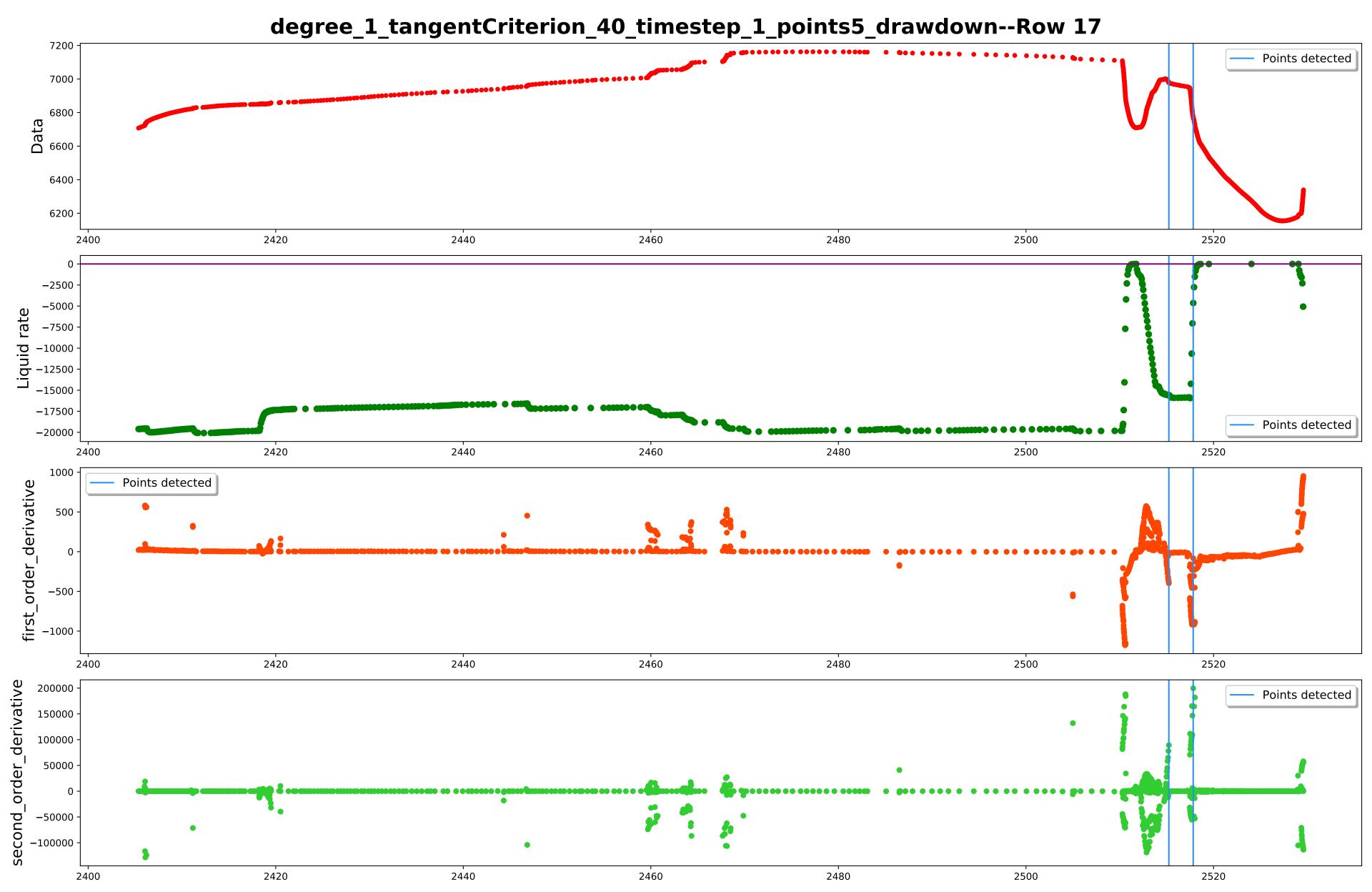
degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 12 Points detected 6600 6400 e 6200 6000 5800 5600 1880 1940 1900 1920 1960 -2500 -5000 Liquid rate **-**7500 Points detected -10000 -12500 -15000 -17500 -20000 1880 1900 1960 1920 1940 750 Points detected first_order_derivative 500 250 0 -250 -500 -750 -10001880 1960 1900 1940 1920 second_order_derivative 200000 Points detected 150000 100000 50000 -50000 -100000 -150000 1880 1900 1940 1920 1960

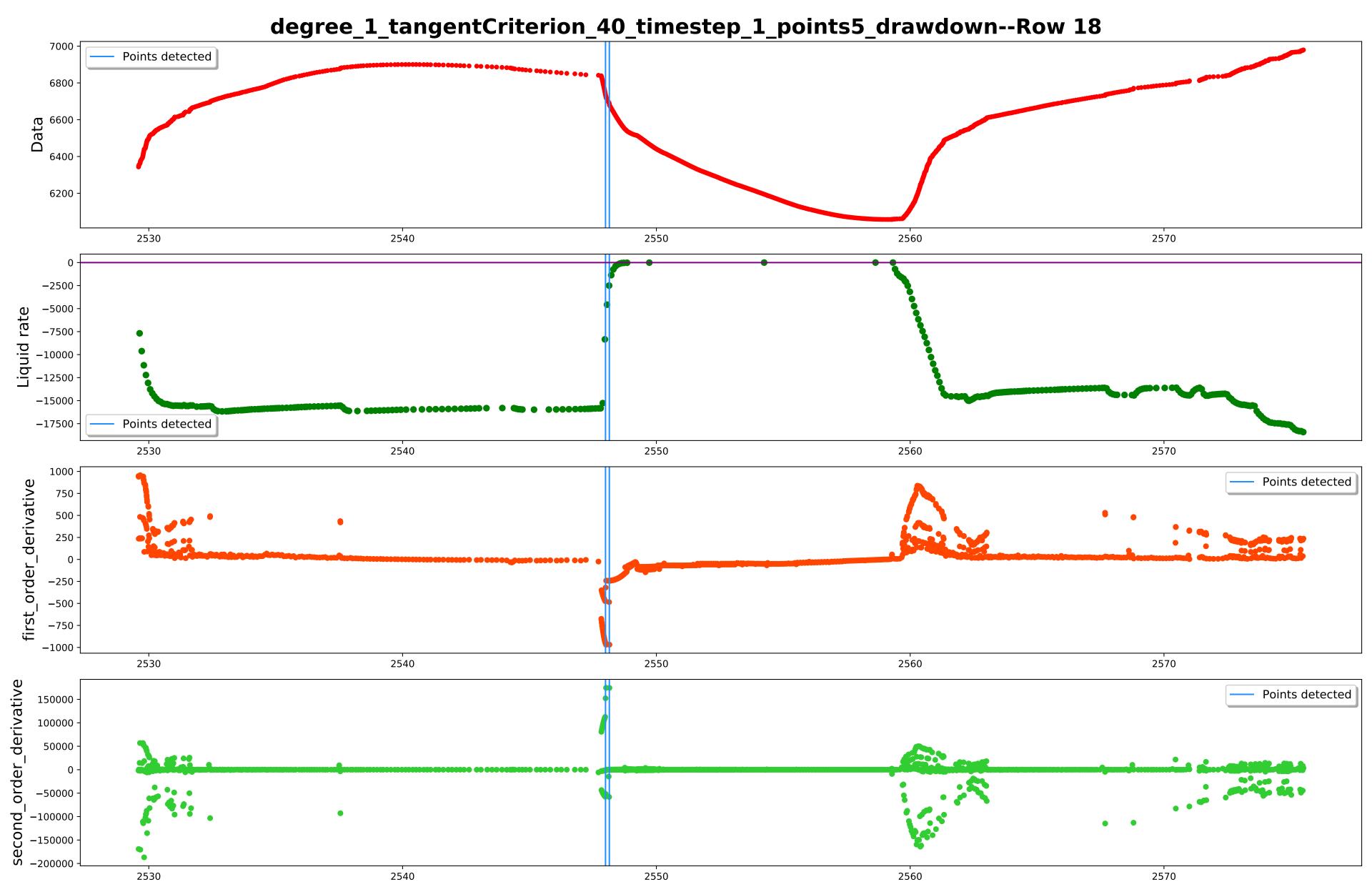






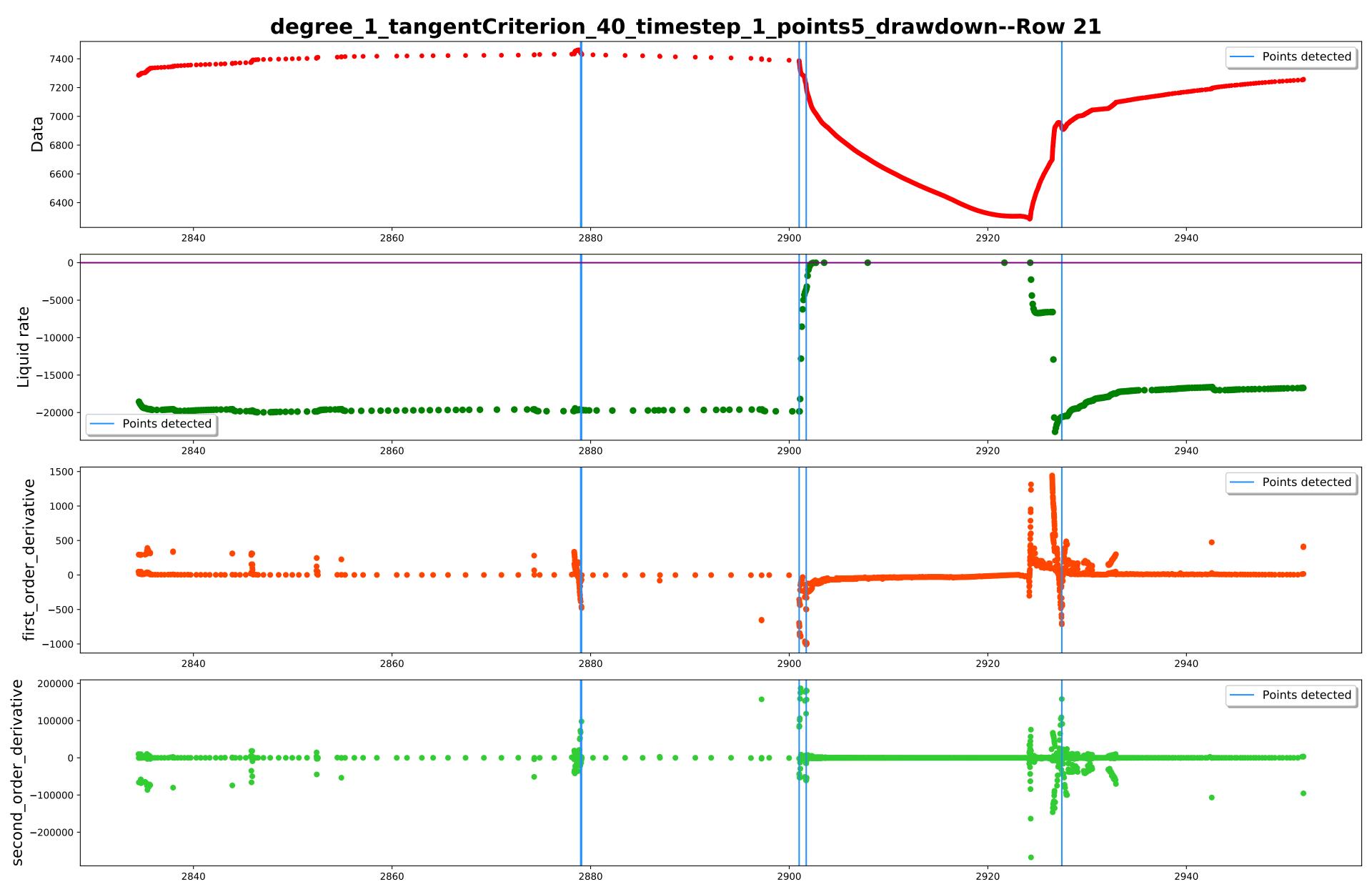


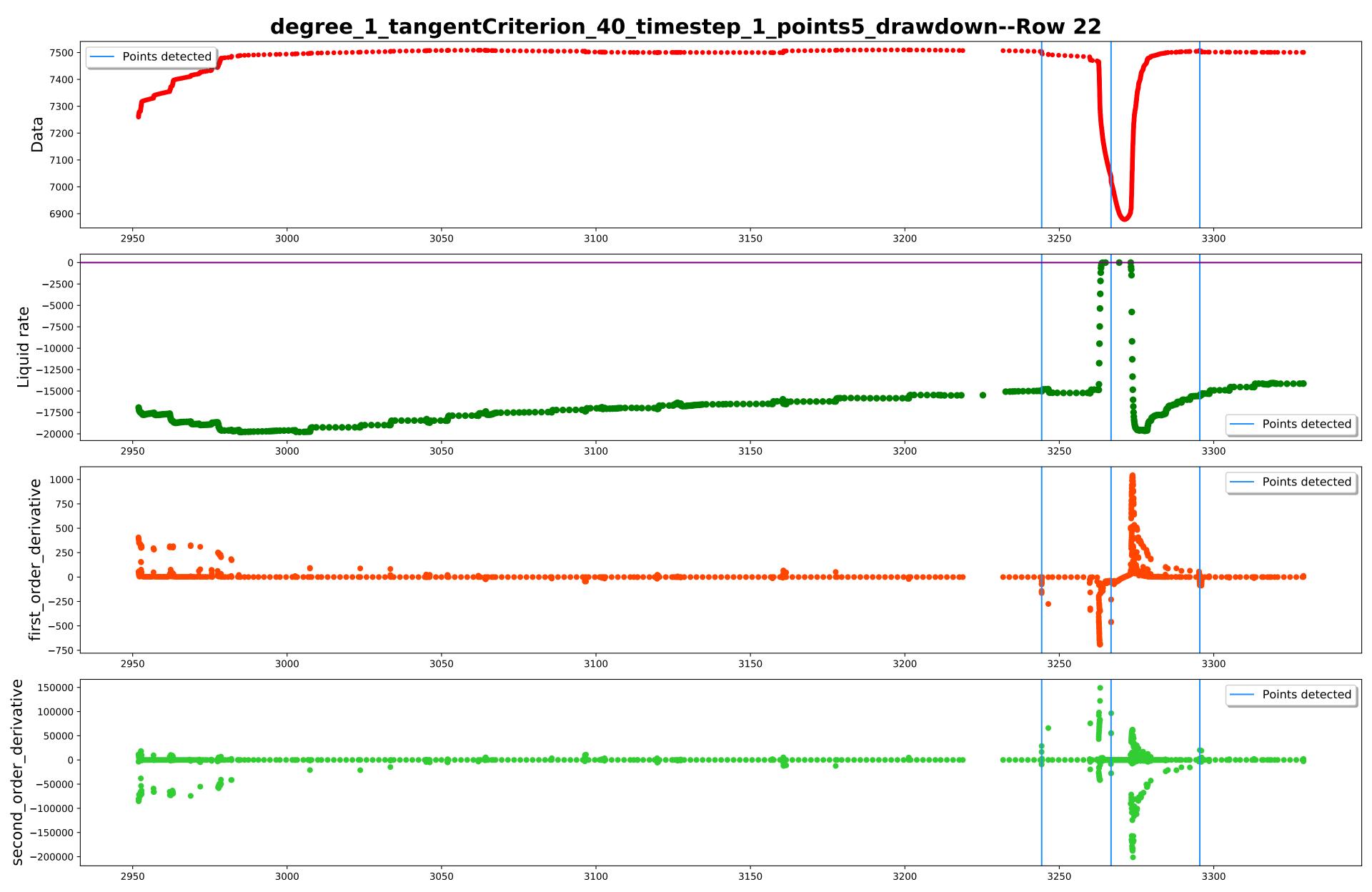


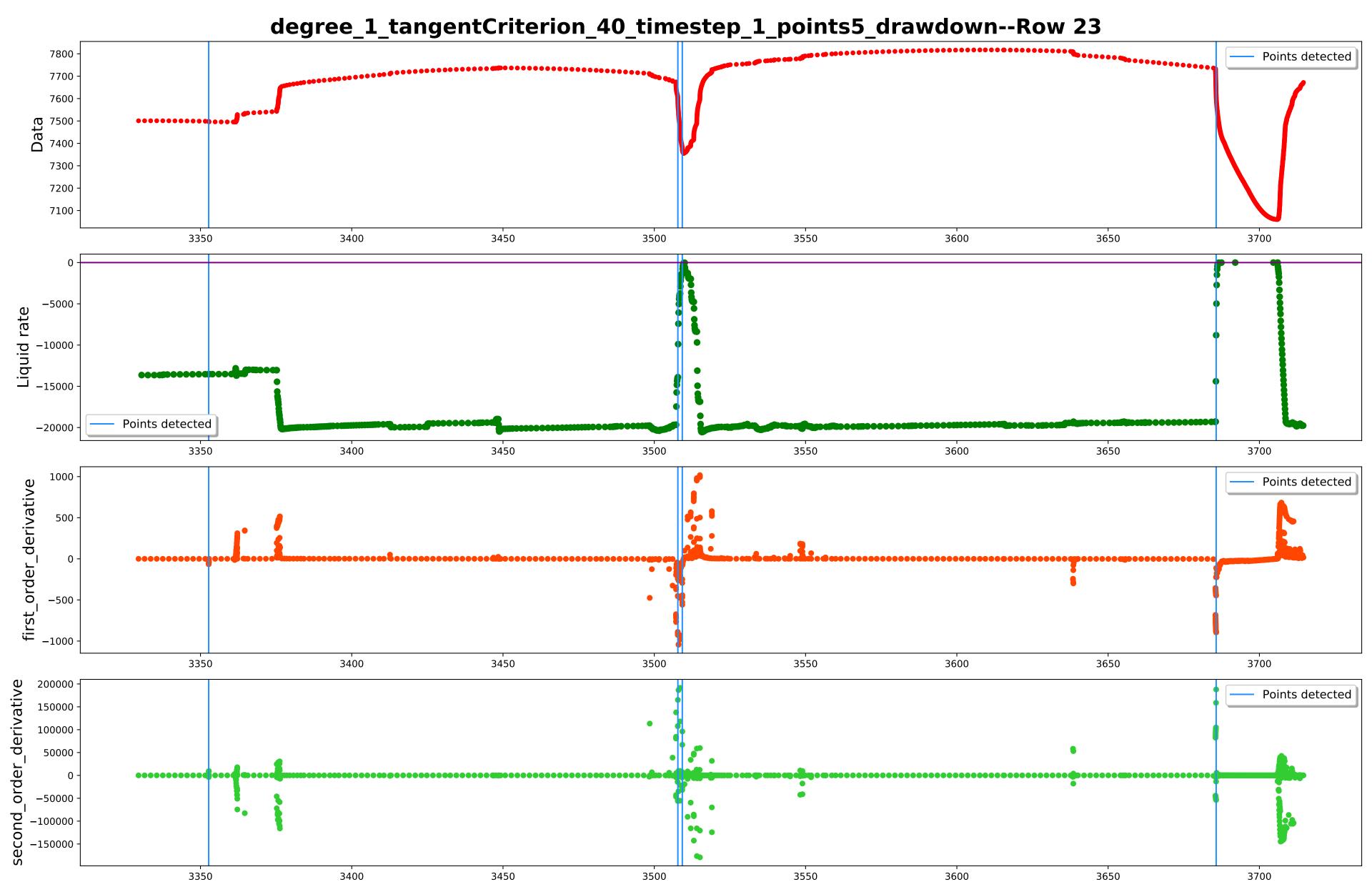


degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 19 Points detected Data 7000 -2500 -5000 Pind -7500 -12500 -15000 -5000 Points detected -17500 -20000 Points detected first_order_derivative 250 --500 -750 -1000second order derivative 150000 order derivative 0 -50000 order -150000 order -150000 order -150000 order ord Points detected

degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 20 Data 0000 6000 -2500 e -5000 pin -7500 -10000 -12500 -15000 -17500 first_order_derivative second order derivative 0-100000 -150000 -150000







degree_1_tangentCriterion_40_timestep_1_points5_drawdown--Row 24 Points detected 2600 pt 7600 -2500 -5000 -7500 -12500 -15000 -5000Points detected -15000 -17500 -20000 Points detected first_order_derivative -200 -400 -600 -800 second order derivative 10000 -150000 -150000 Points detected

