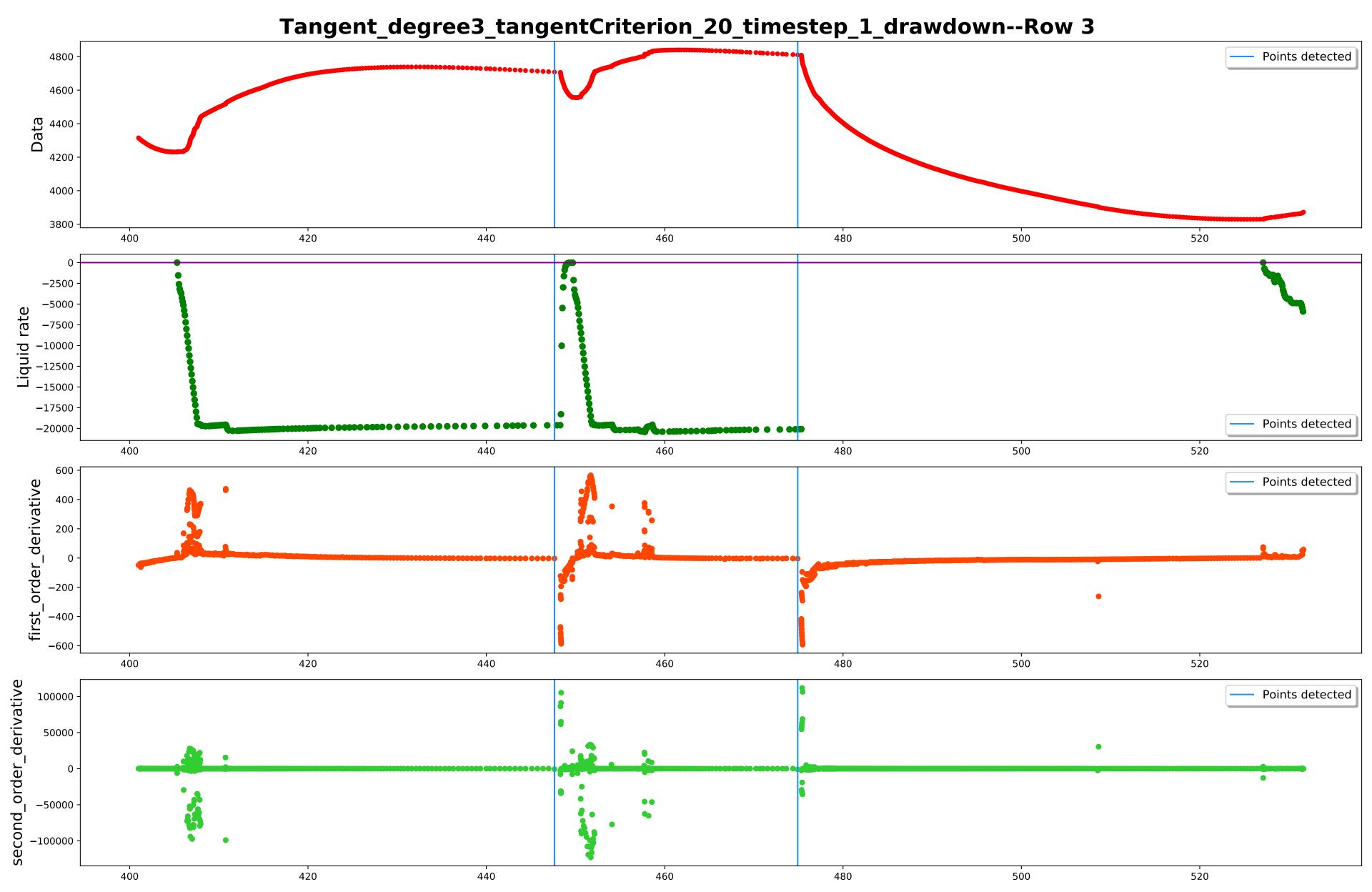
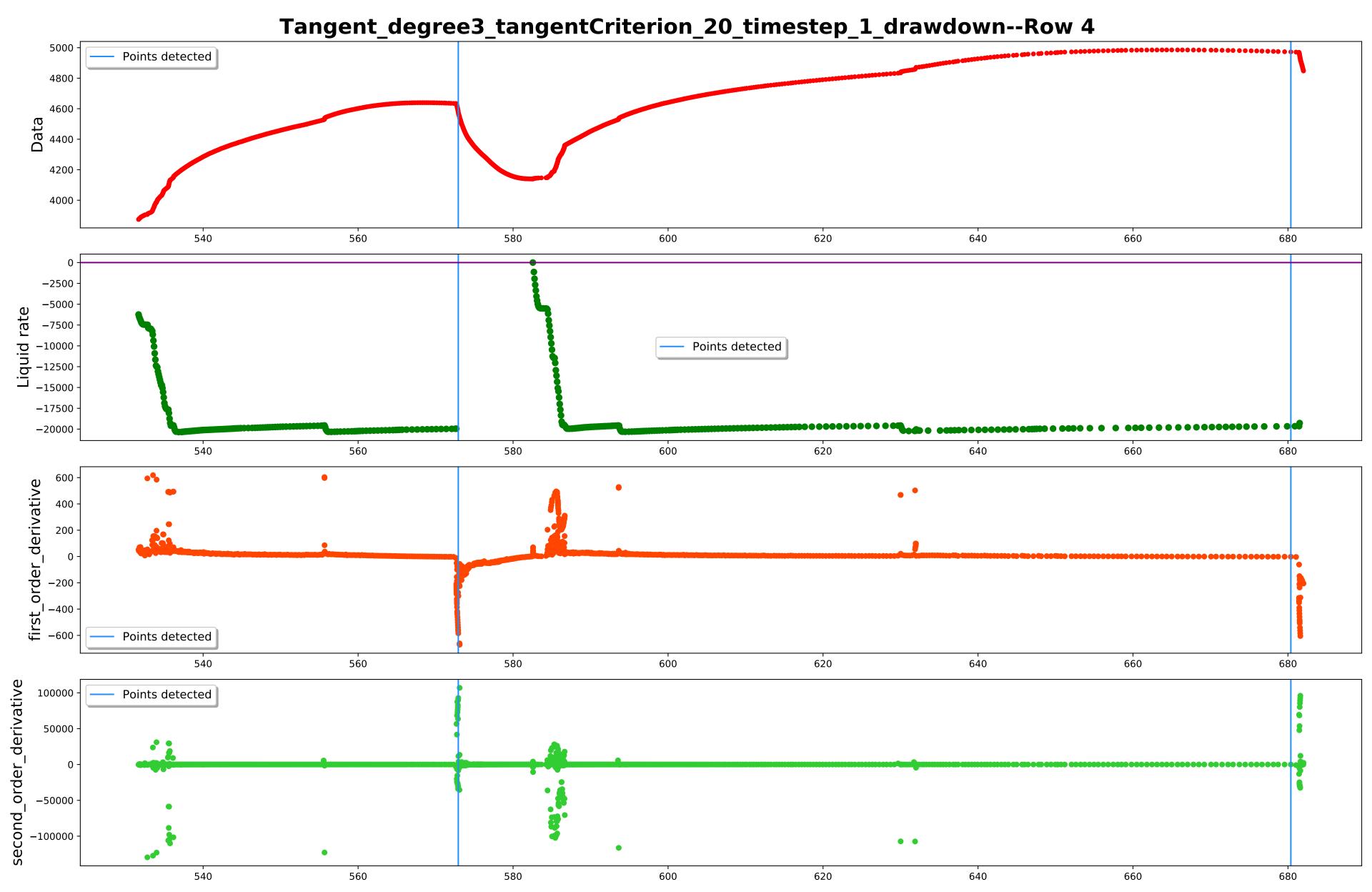
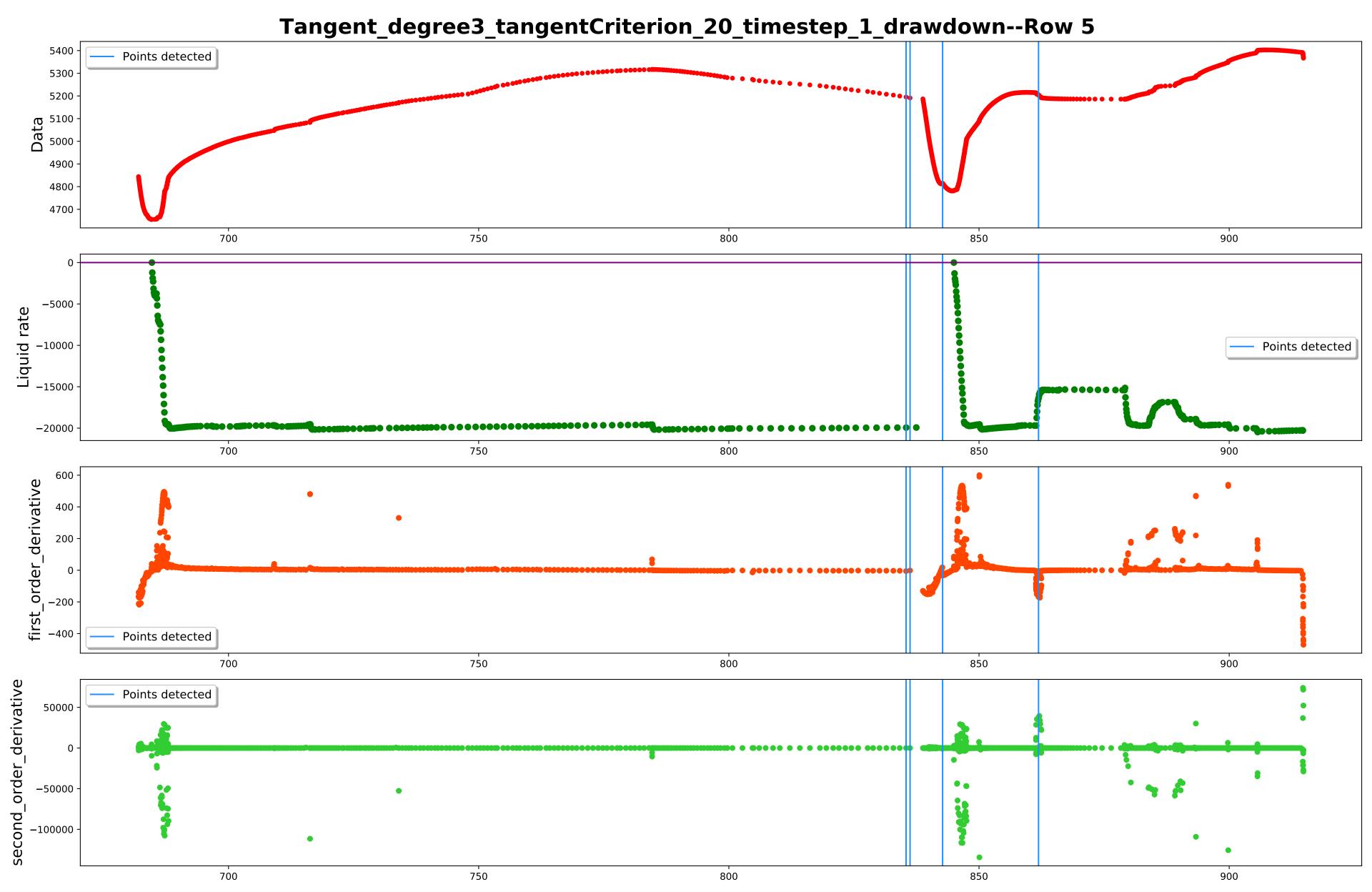
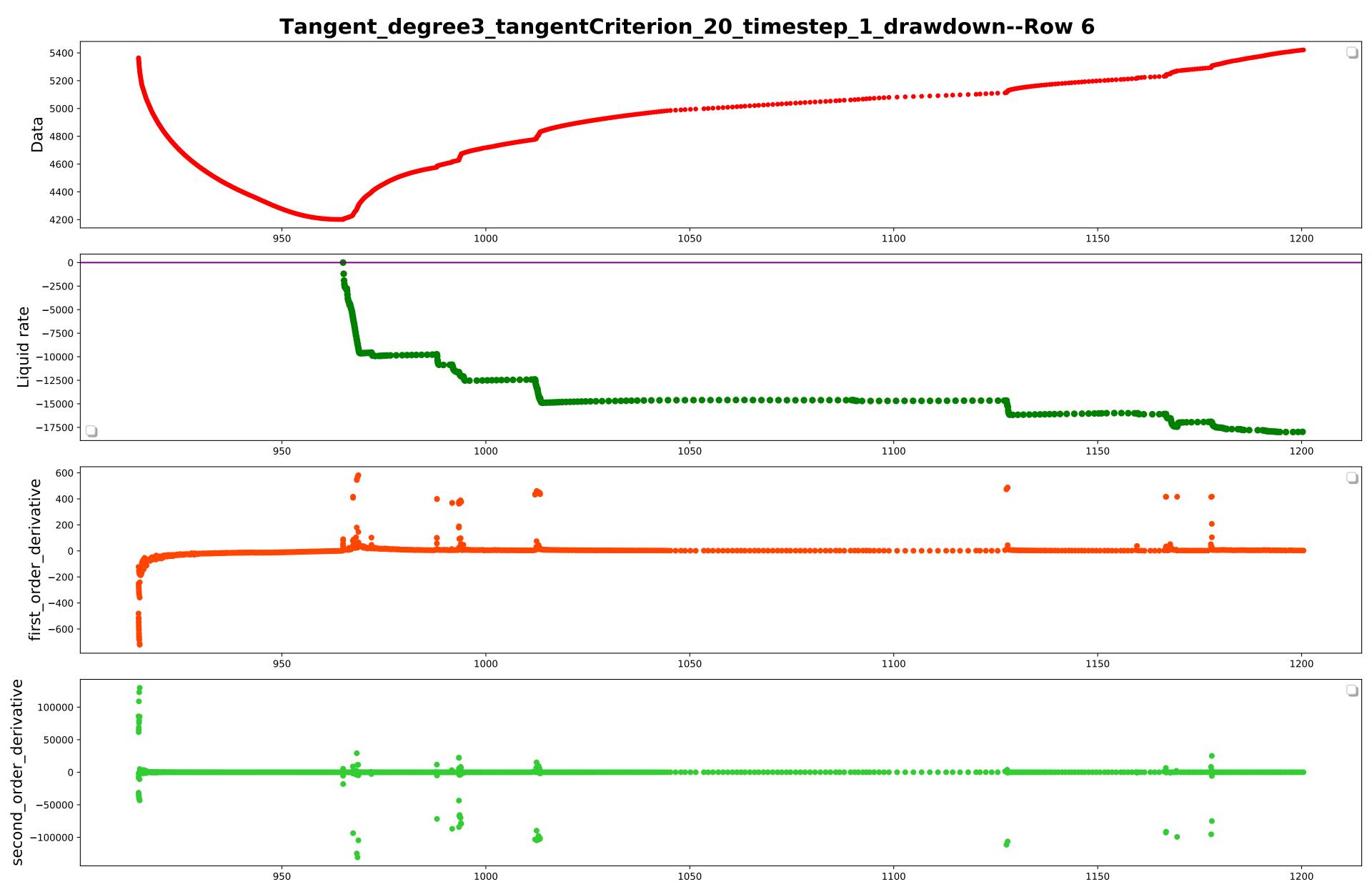


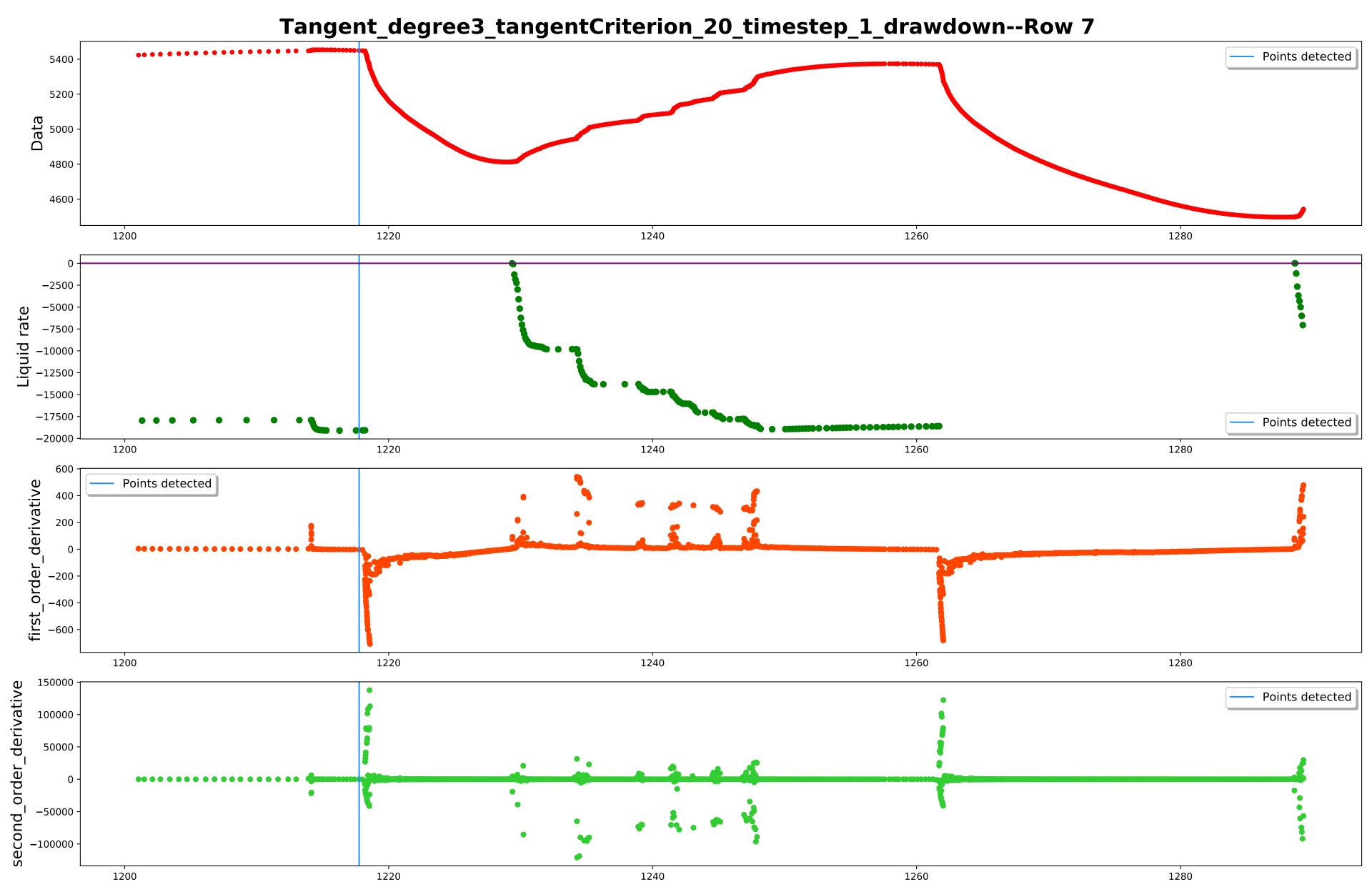
Tangent_degree3_tangentCriterion_20_timestep_1_drawdown--Row 2 Points detected Data -5000 Liquid rate –15000 –15000 Points detected -20000 Points detected first_order_derivative **-**400 second_order_derivative Points detected -25000 -50000 -75000 -100000

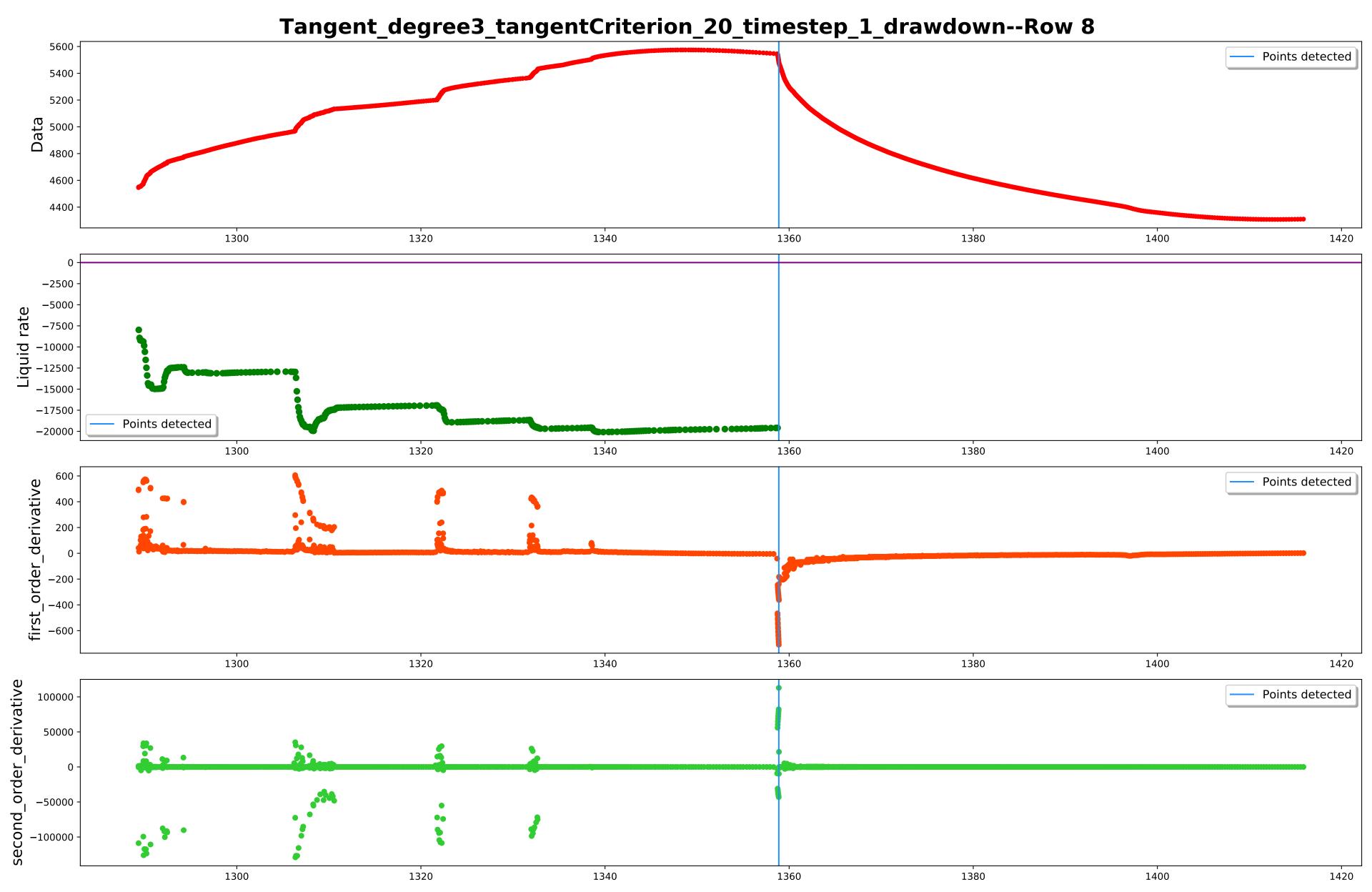


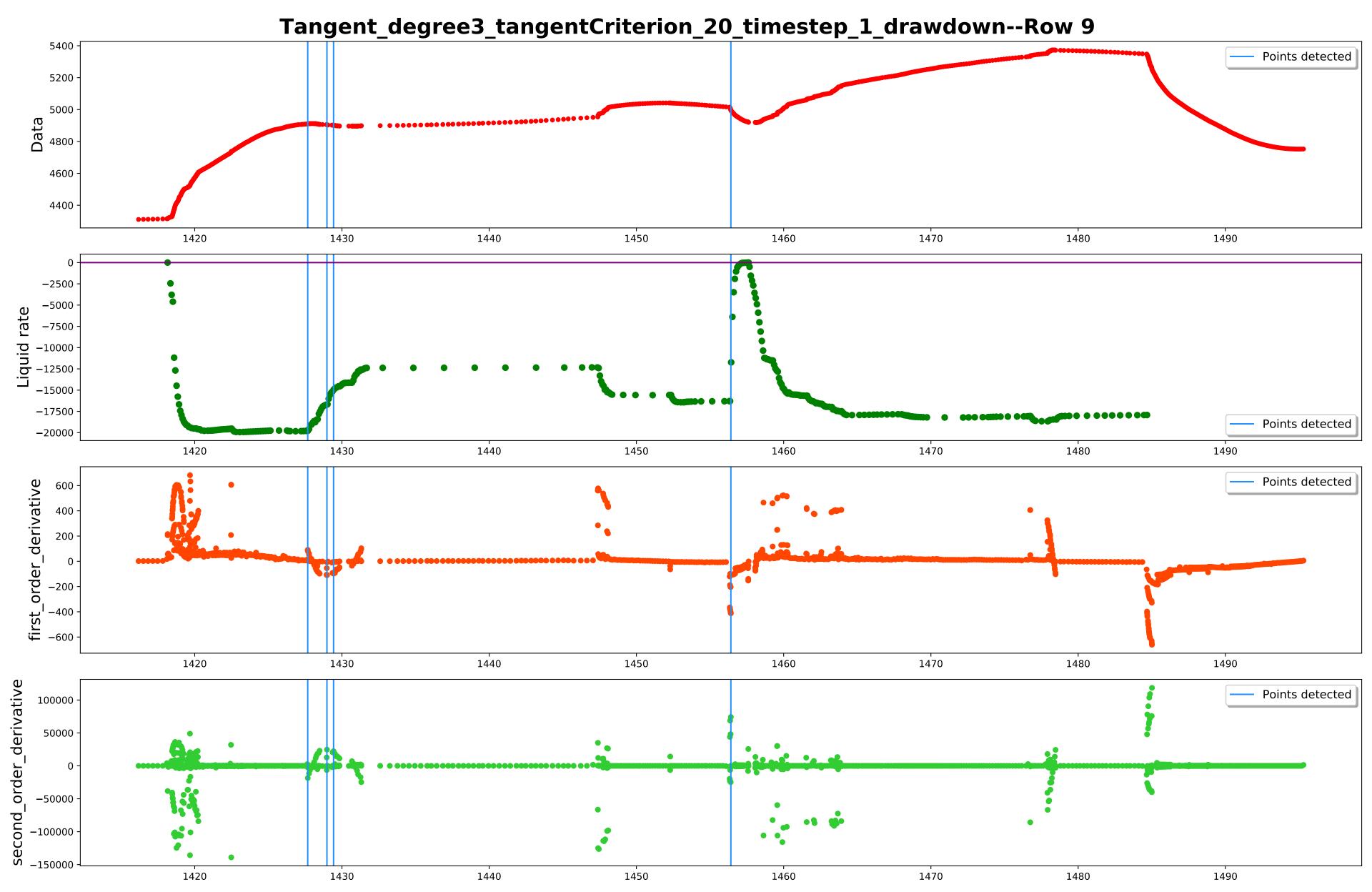


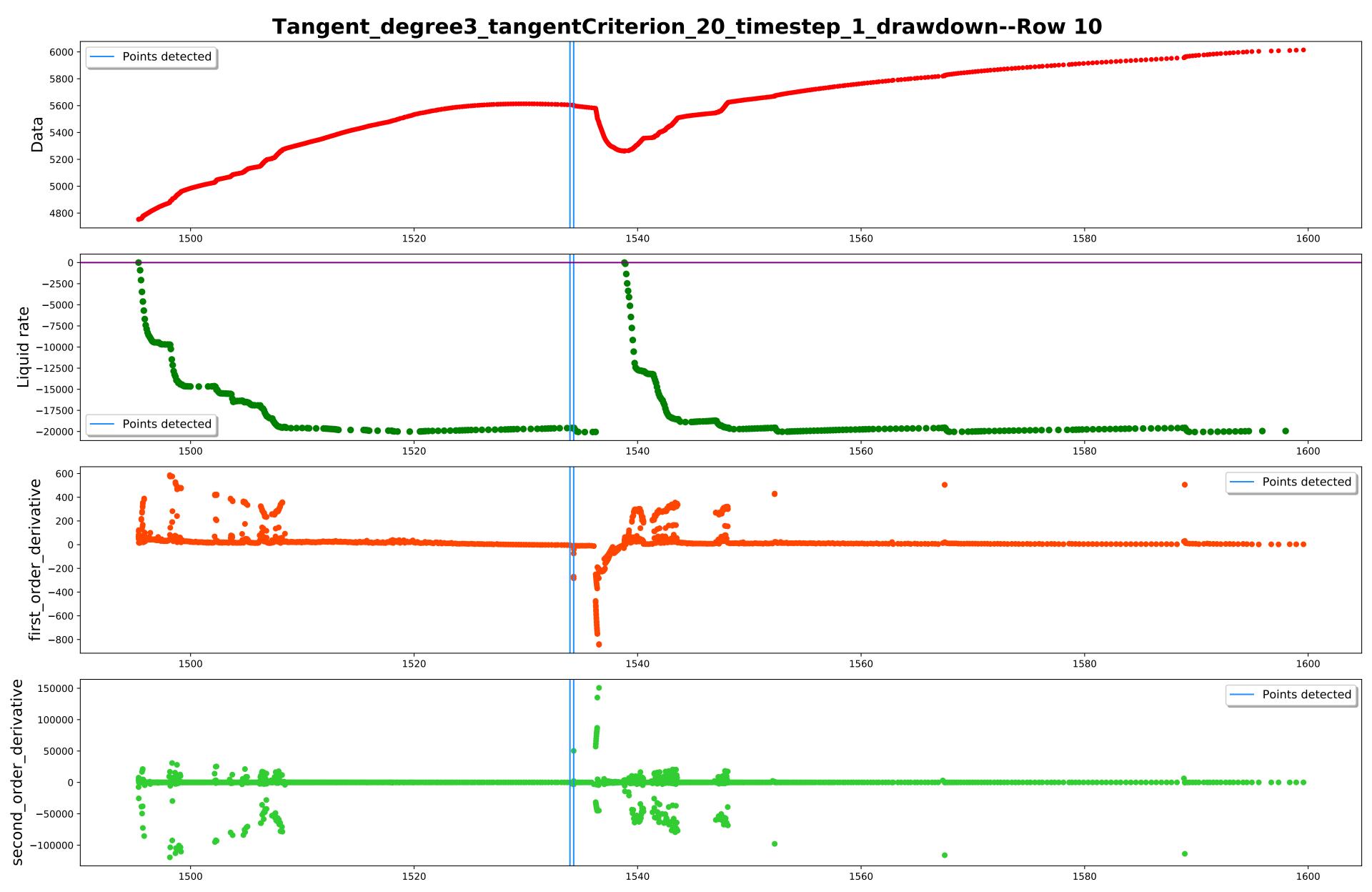


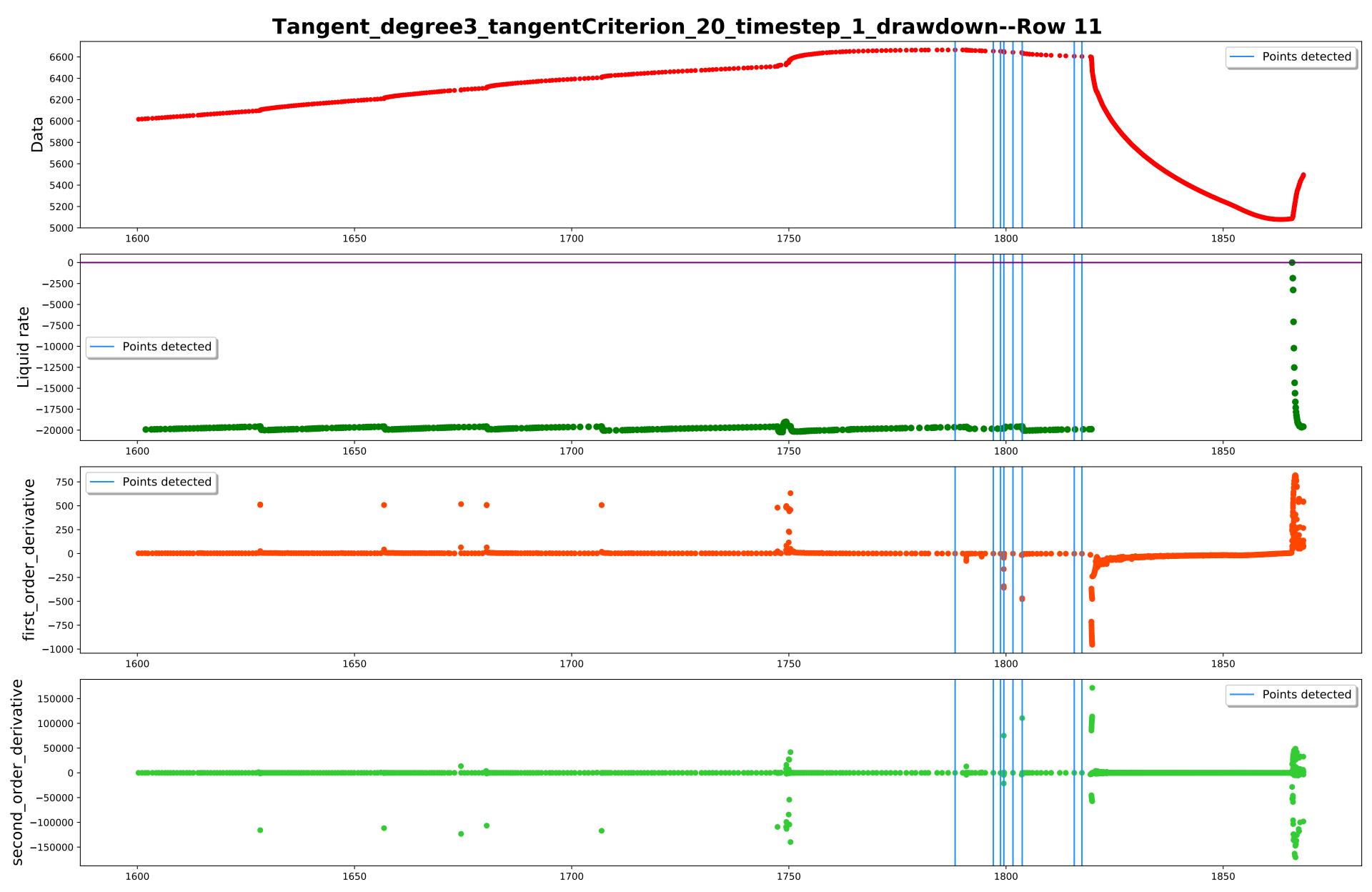


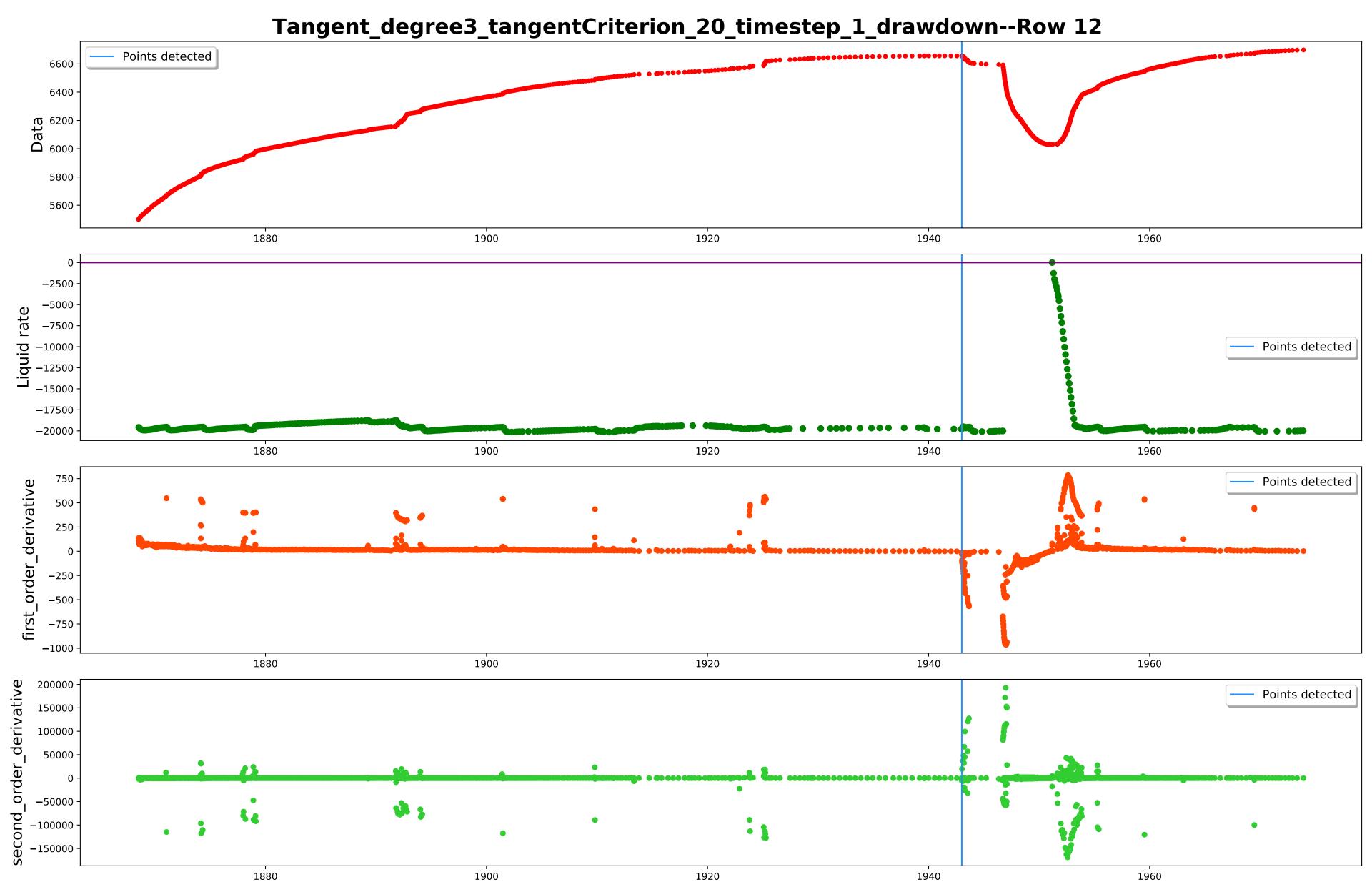


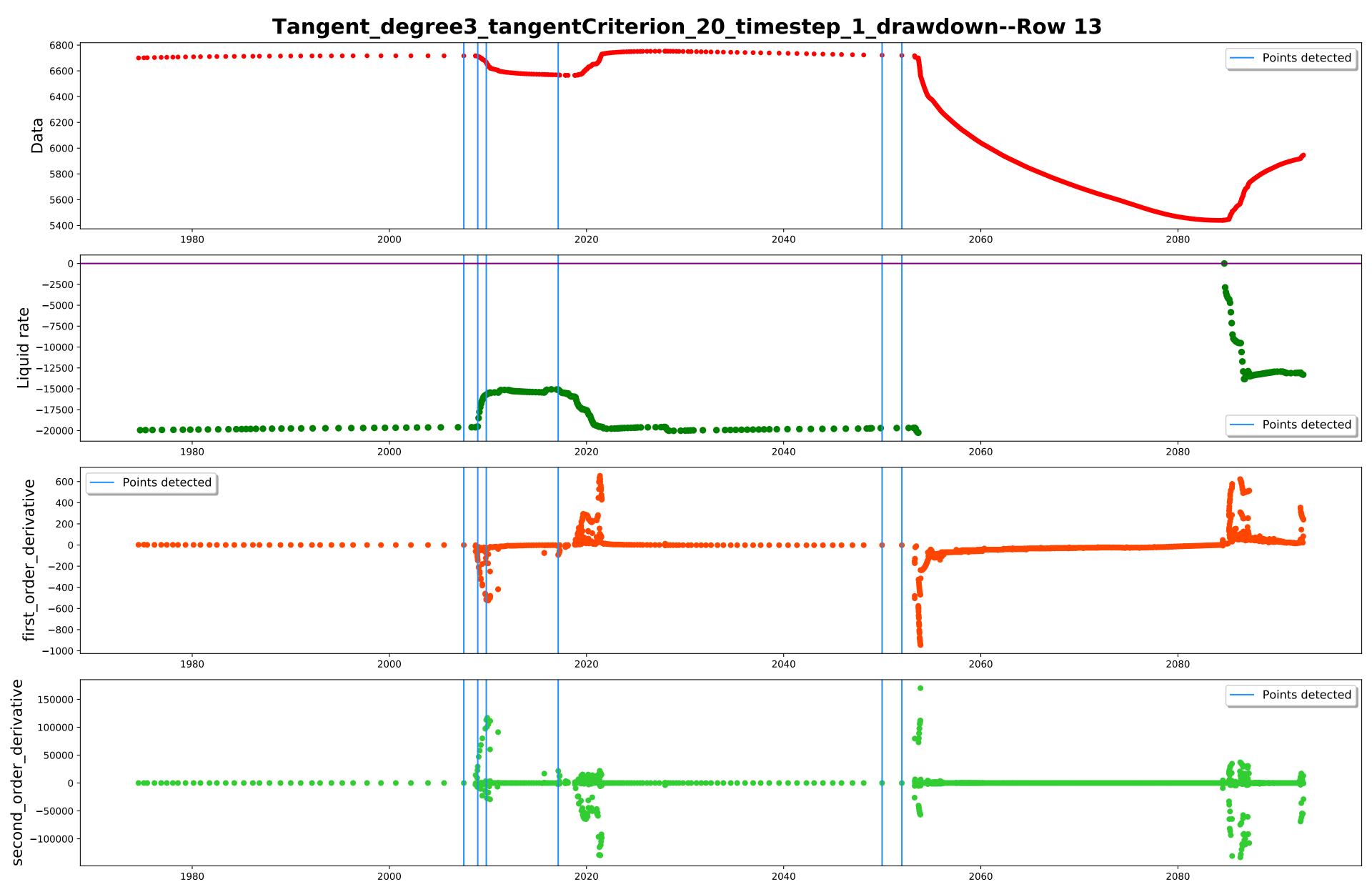


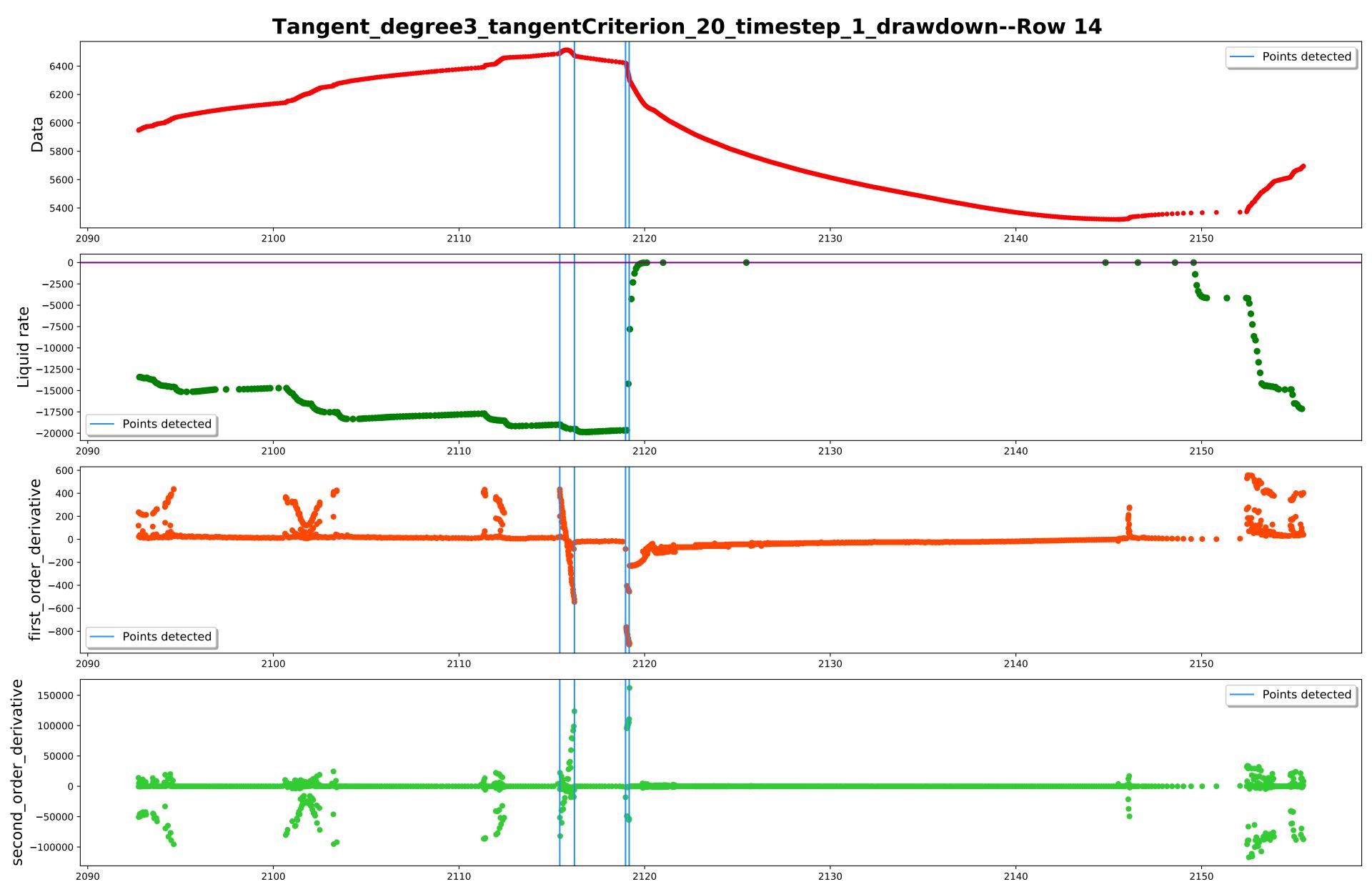


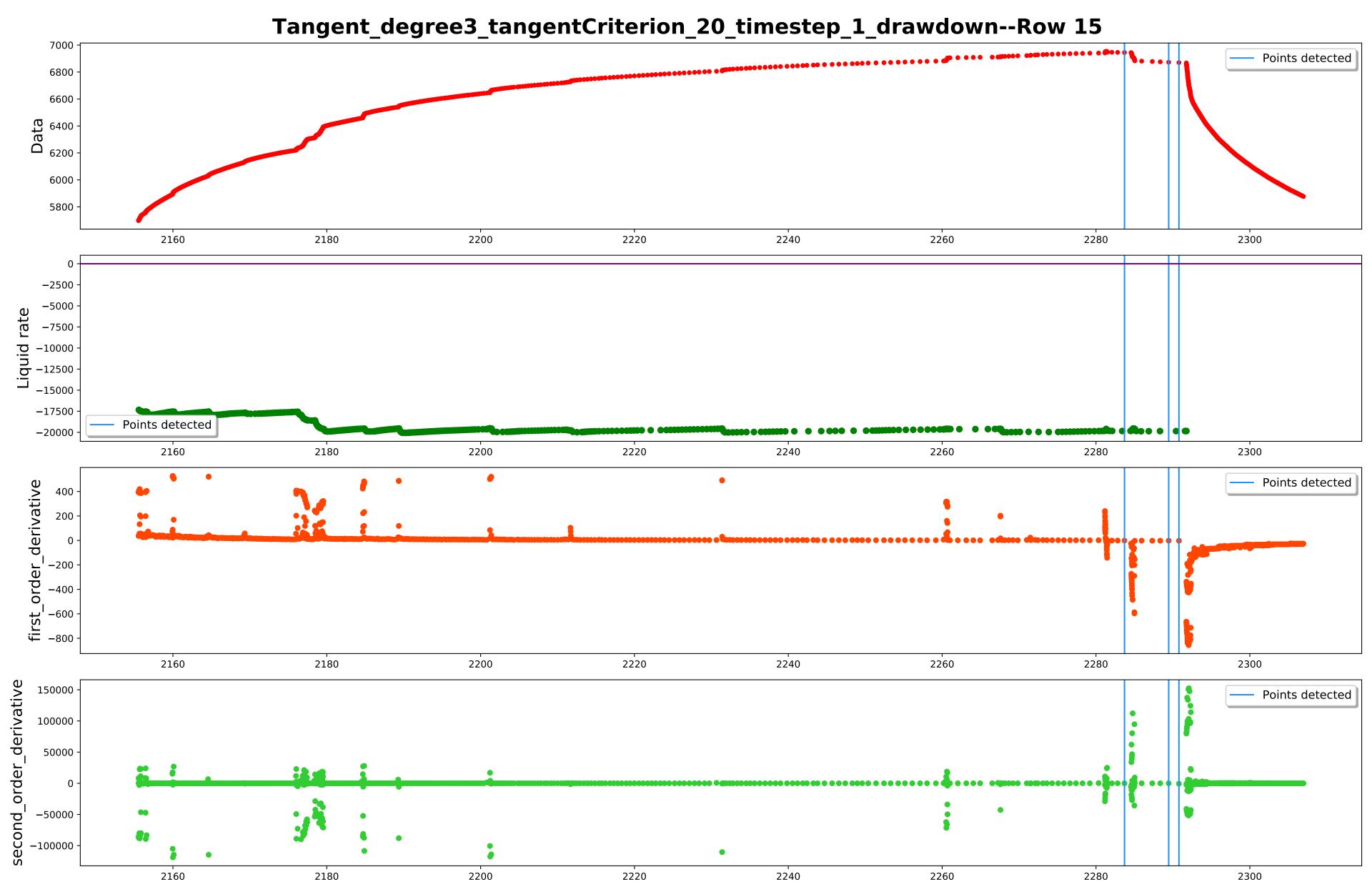


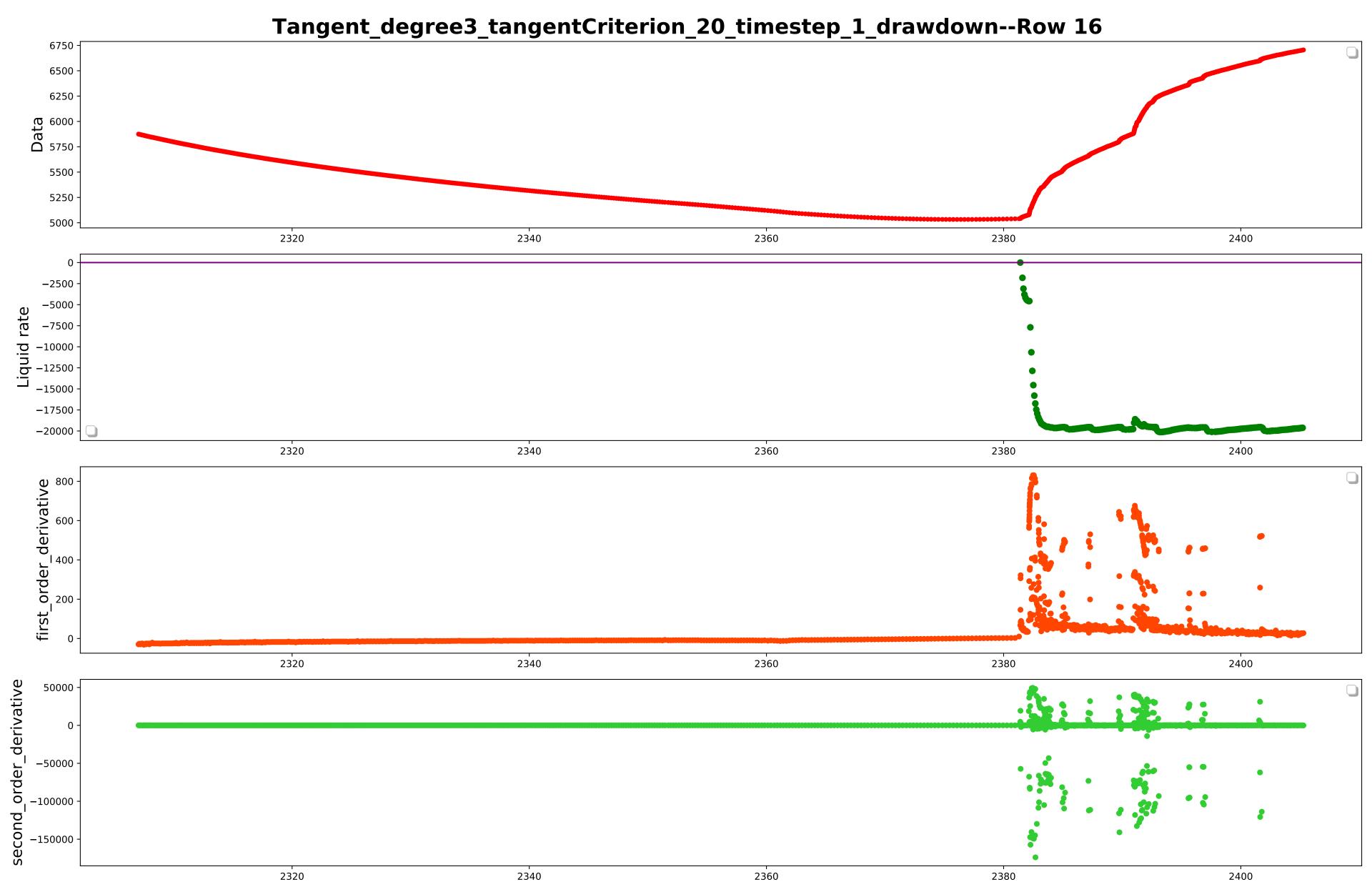


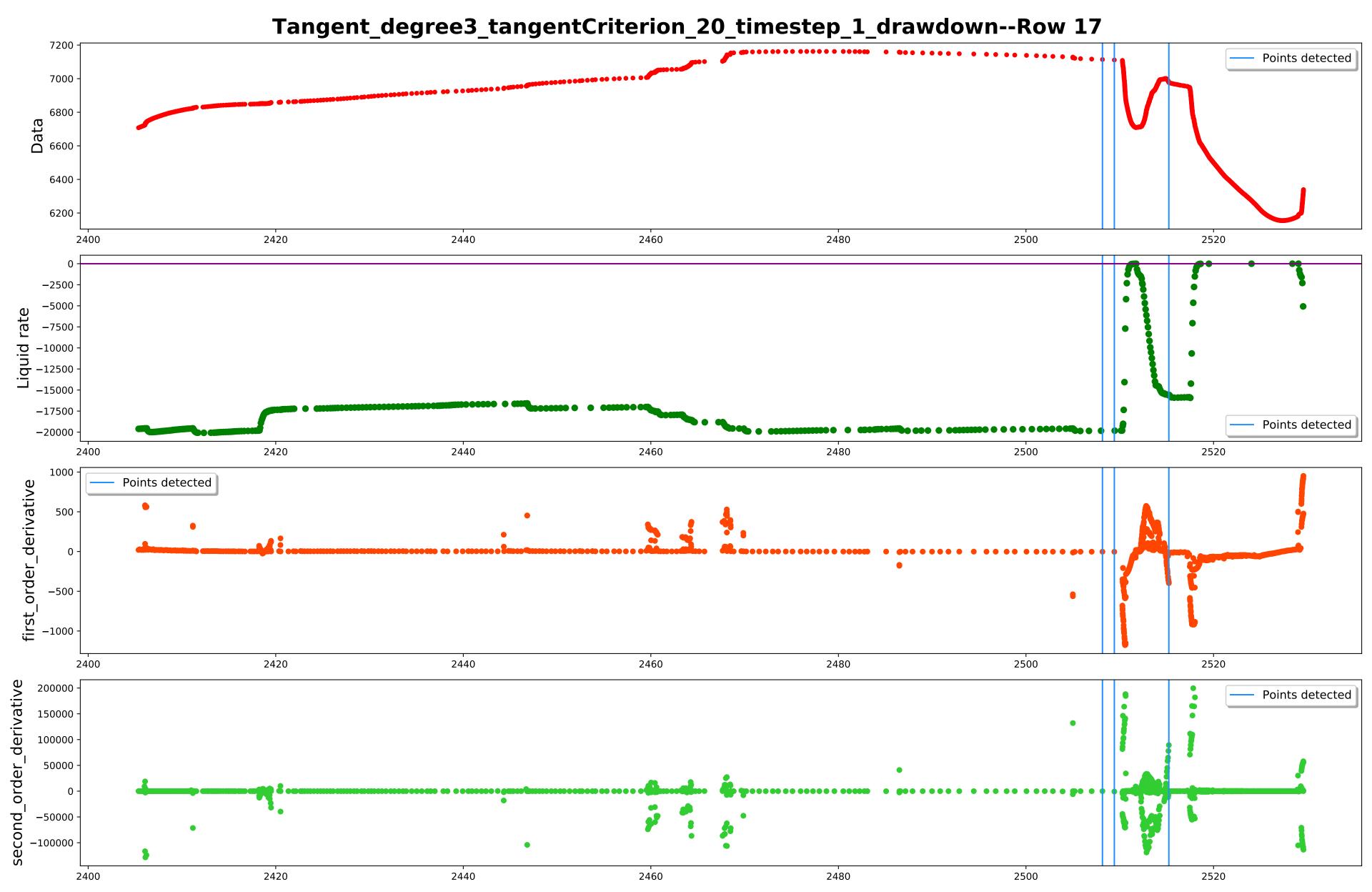


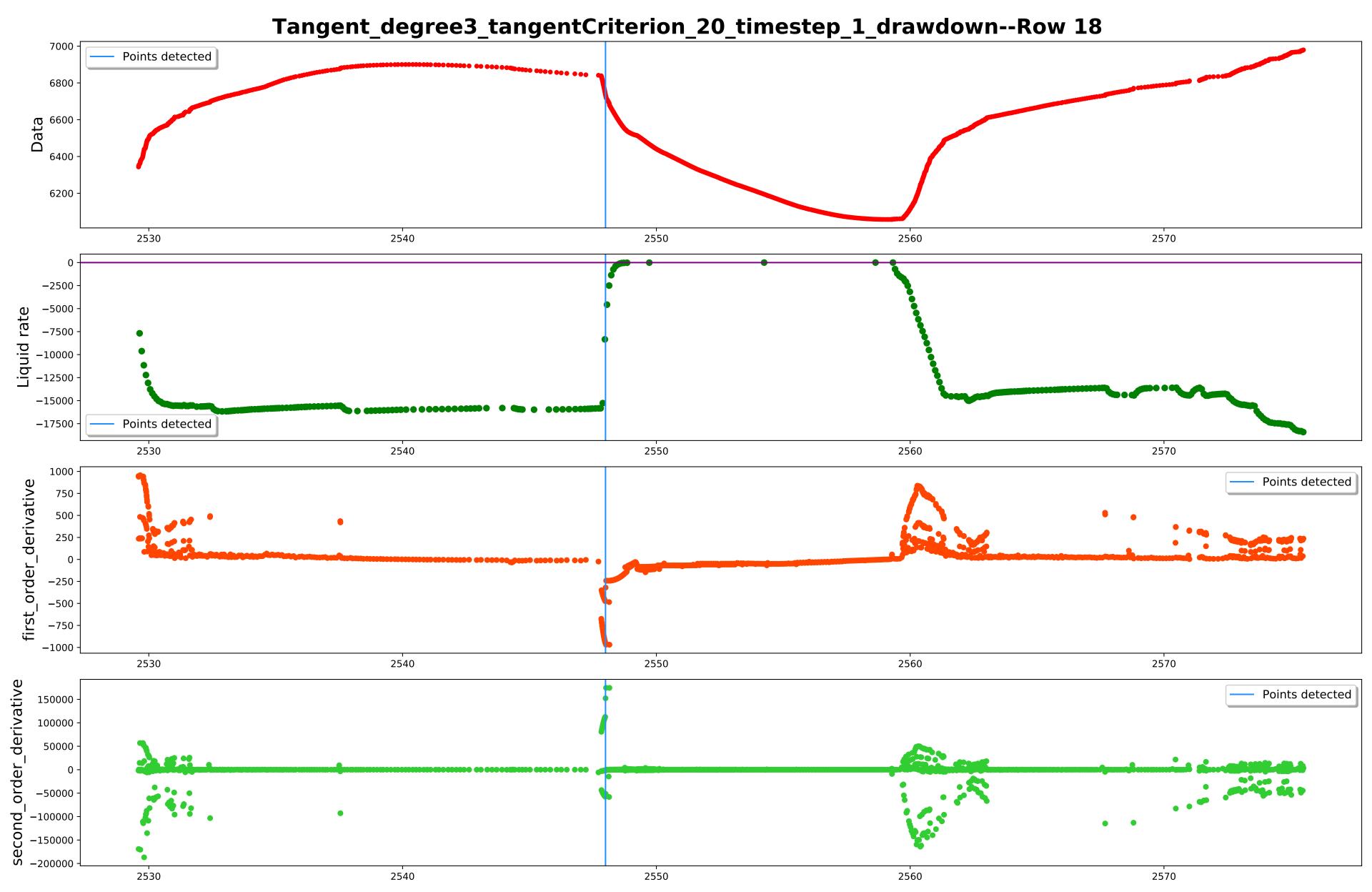


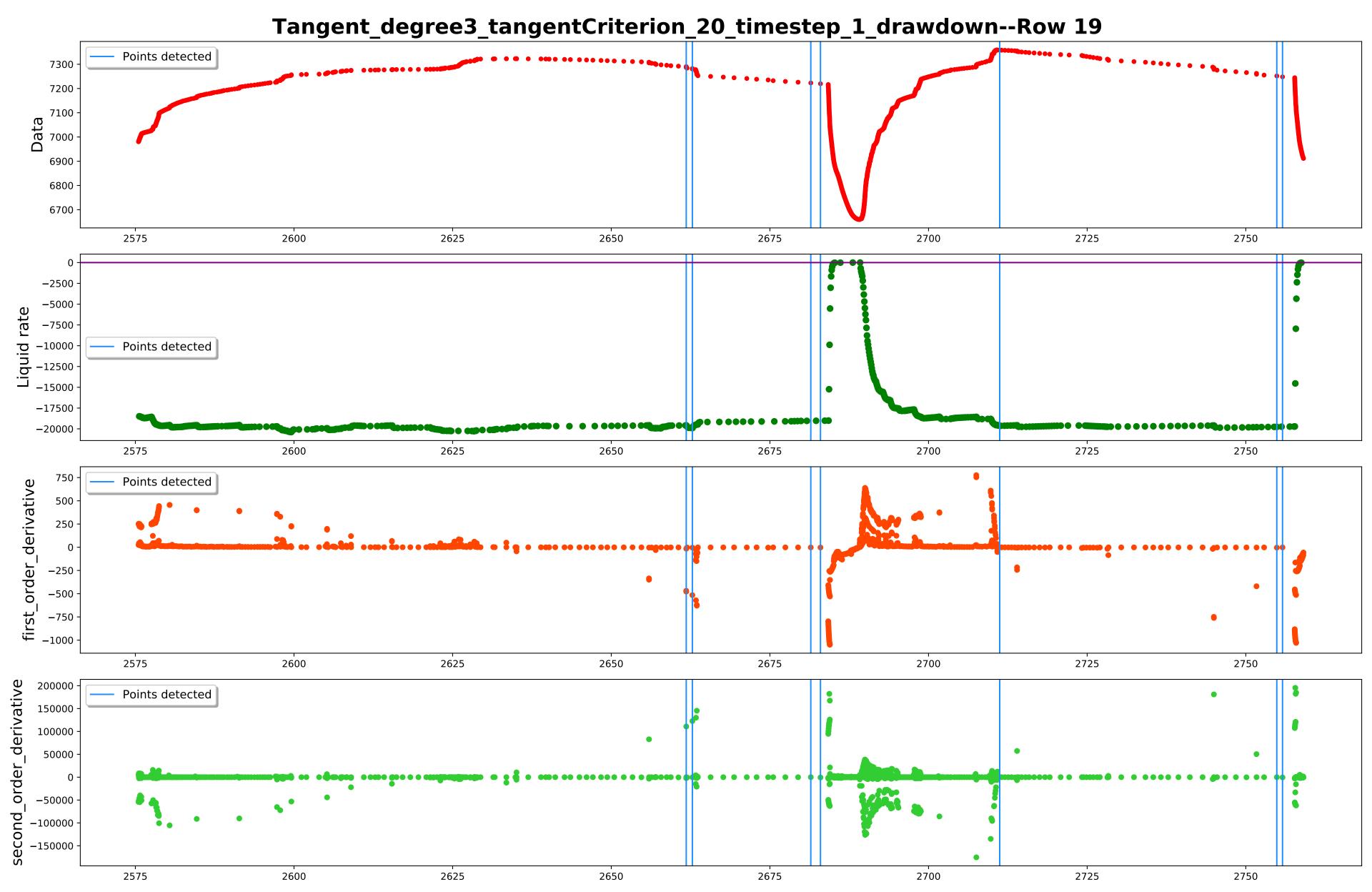












Tangent_degree3_tangentCriterion_20_timestep_1_drawdown--Row 20 Data 0000 6000 -2500 e -5000 pin -7500 -10000 -12500 -15000 -17500 first_order_derivative second order derivative 0-150000 -150000 -150000

