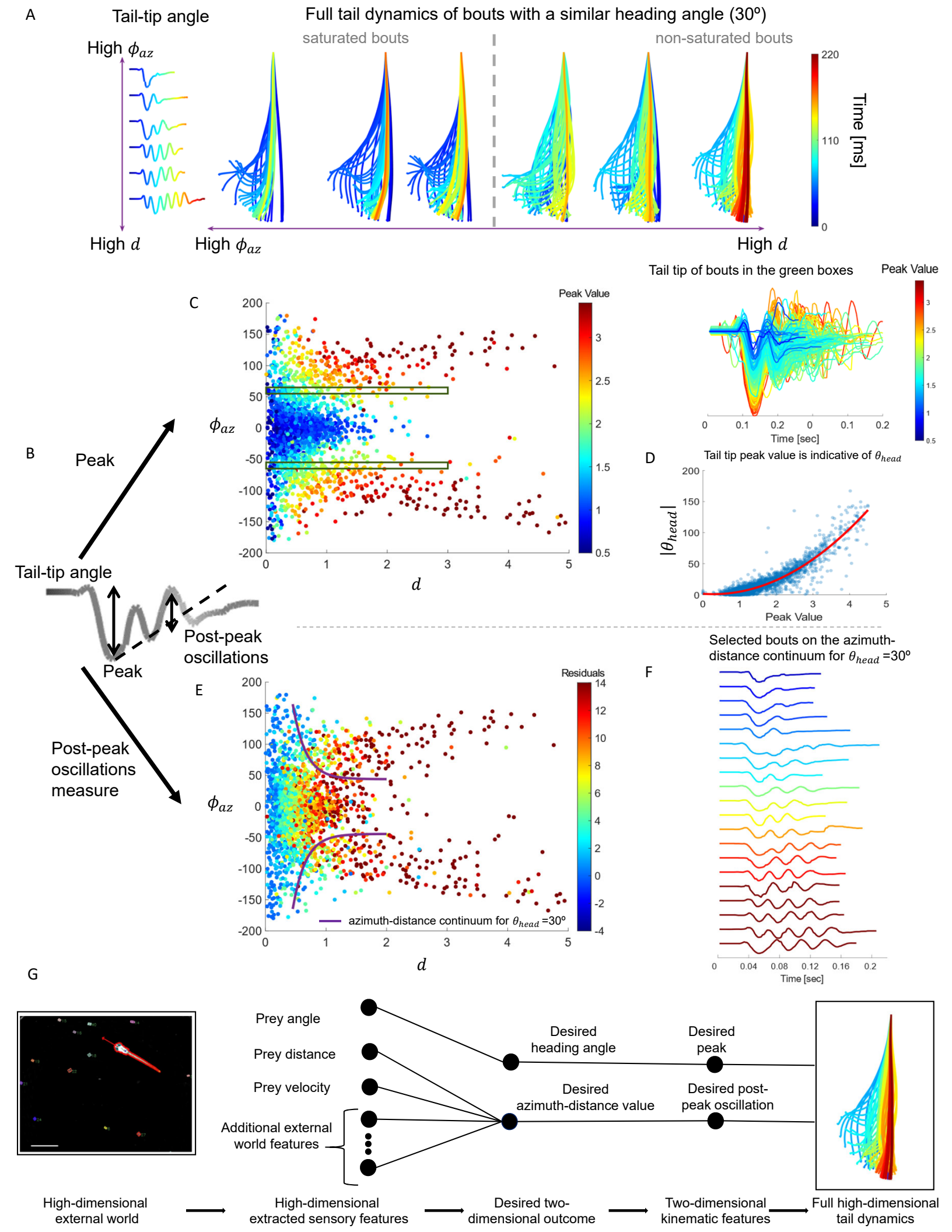
A
Tail-tip angle
Full tail dynamics of bouts with a similar heading angle (30º)
saturated bouts
non-saturated bouts
High ϕ_{az}
High d
High ϕ_{az}
High d
Time [ms]
220
110
0
B
Peak
Tail-tip angle
Post-peak oscillations
Peak
Post-peak oscillations measure
C
Peak Value
ϕ_{az}
d
Tail tip of bouts in the green boxes
Peak Value
Time [sec]
D
Tail tip peak value is indicative of θ_{head}
$|\theta_{head}|$
Peak Value
E
Residuals
ϕ_{az}
d
azimuth-distance continuum for θ_{head} =30º
Selected bouts on the azimuth-distance continuum for θ_{head} =30º
F
Time [sec]
G
Prey angle
Prey distance
Prey velocity
Additional external world features
Desired heading angle
Desired peak
Desired azimuth-distance value
Desired post-peak oscillation
High-dimensional external world
High-dimensional extracted sensory features
Desired two-dimensional outcome
Two-dimensional kinematic features
Full high-dimensional tail dynamics