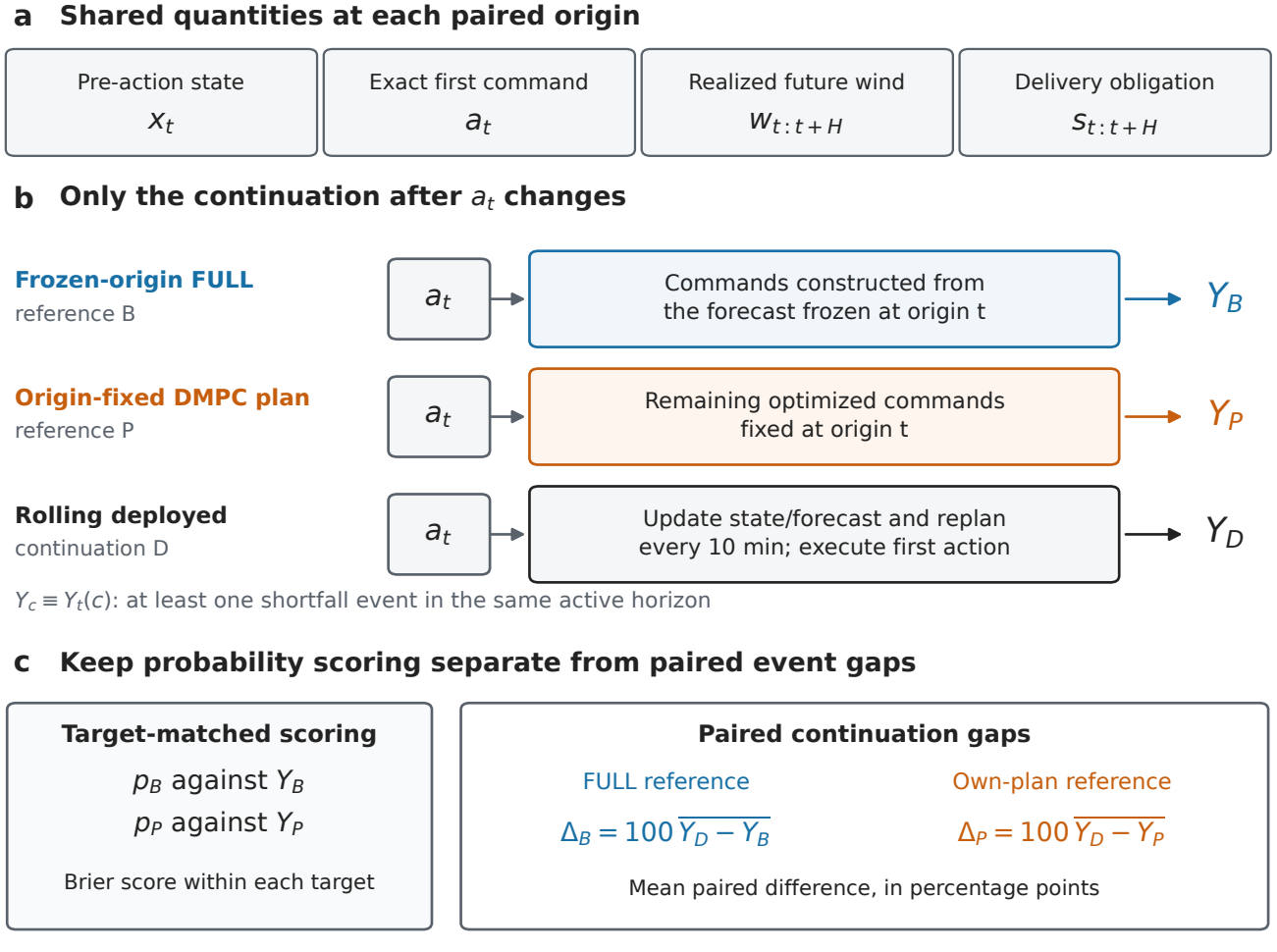

a Shared quantities at each paired origin
Pre-action state
x_t
Exact first command
a_t
Realized future wind
$w_{t:t+H}$
Delivery obligation
$s_{t:t+H}$
b Only the continuation after a_t changes
Frozen-origin FULL
reference B
a_t
Commands constructed from the forecast frozen at origin t
Y_B
Origin-fixed DMPC plan
reference P
a_t
Remaining optimized commands fixed at origin t
Y_P
Rolling deployed
continuation D
a_t
Update state/forecast and replan every 10 min; execute first action
Y_D
$Y_c \equiv Y_t(c)$: at least one shortfall event in the same active horizon
c Keep probability scoring separate from paired event gaps
Target-matched scoring
p_B against Y_B
p_P against Y_P
Brier score within each target
Paired continuation gaps
FULL reference
$\Delta_B = 100\,\overline{Y_D - Y_B}$
Own-plan reference
$\Delta_P = 100\,\overline{Y_D - Y_P}$
Mean paired difference, in percentage points