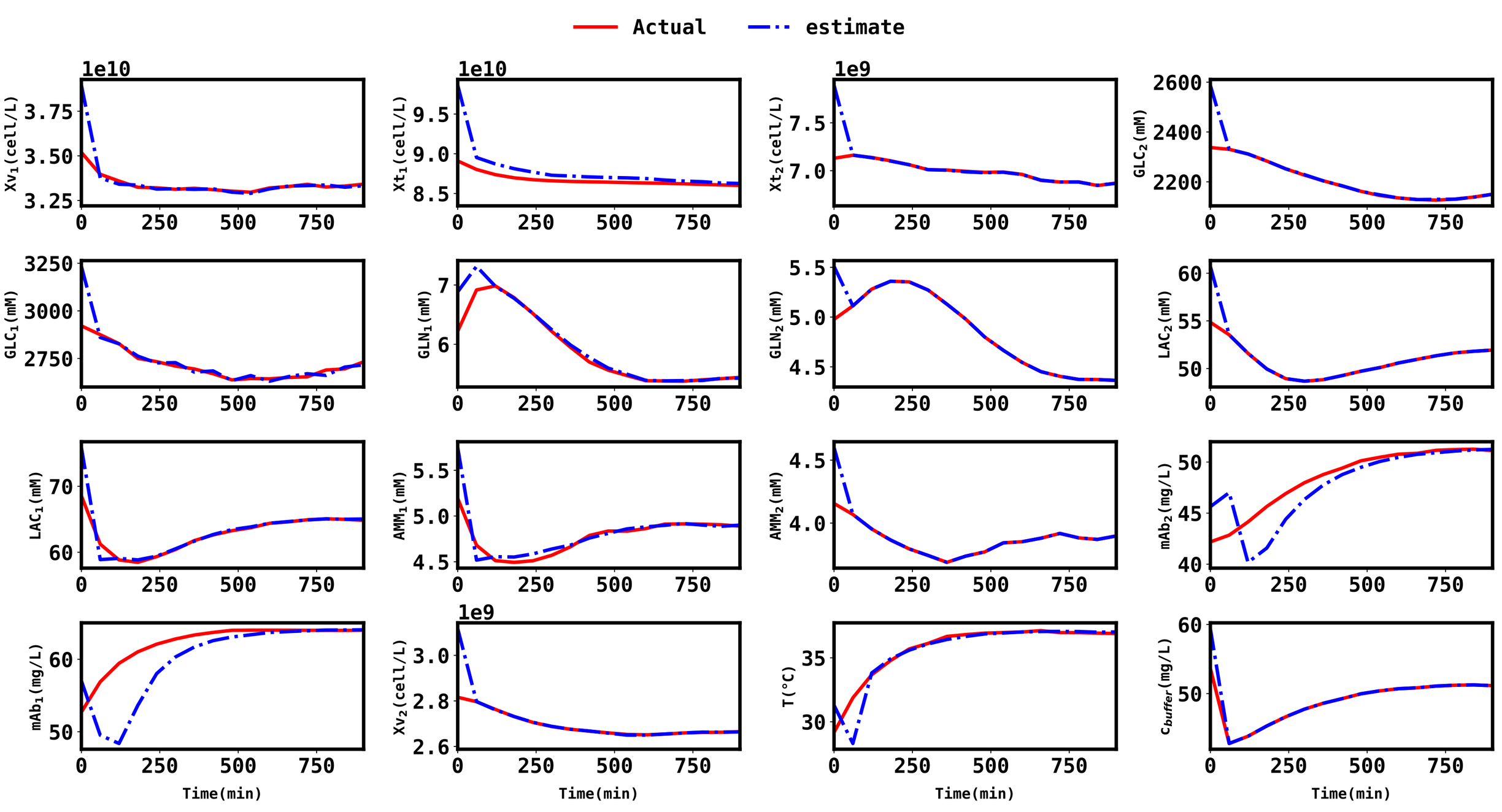
Actual
estimate
1e10
$Xv_1$(cell/L)
3.75
3.50
3.25
1e10
$Xt_1$(cell/L)
9.5
9.0
8.5
1e9
$Xt_2$(cell/L)
7.5
7.0
$GLC_2$(mM)
2600
2400
2200
$GLC_1$(mM)
3250
3000
2750
$GLN_1$(mM)
7
6
$GLN_2$(mM)
5.5
5.0
4.5
$LAC_2$(mM)
60
55
50
$LAC_1$(mM)
70
60
$AMM_1$(mM)
5.5
5.0
4.5
$AMM_2$(mM)
4.5
4.0
$mAb_2$(mg/L)
50
45
40
$mAb_1$(mg/L)
60
50
1e9
$Xv_2$(cell/L)
3.0
2.8
2.6
T(°C)
35
30
$c_{buffer}$(mg/L)
60
50
0
250
500
750
Time(min)