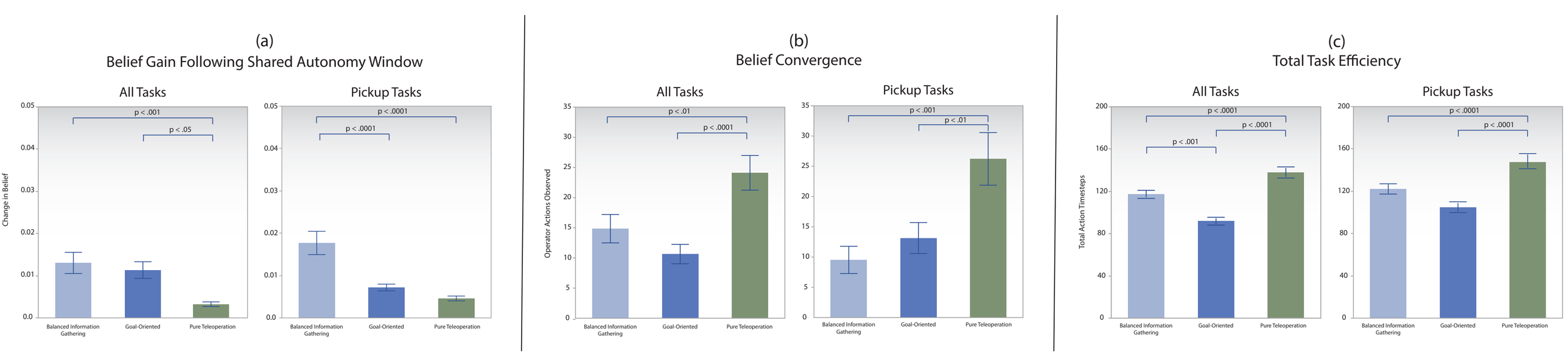
(a)
Belief Gain Following Shared Autonomy Window
All Tasks
Pickup Tasks
Change in Belief
0.05
0.04
0.03
0.02
0.01
0.0
p < .001
p < .05
p < .0001
p < .0001
Balanced Information Gathering
Goal-Oriented
Pure Teleoperation
(b)
Belief Convergence
All Tasks
Pickup Tasks
Operator Actions Observed
35
30
25
20
15
10
5
0
p < .01
p < .0001
p < .001
p < .01
Balanced Information Gathering
Goal-Oriented
Pure Teleoperation
(c)
Total Task Efficiency
All Tasks
Pickup Tasks
Total Action Timesteps
200
160
120
80
40
0
p < .0001
p < .0001
p < .001
p < .0001
p < .0001
Balanced Information Gathering
Goal-Oriented
Pure Teleoperation