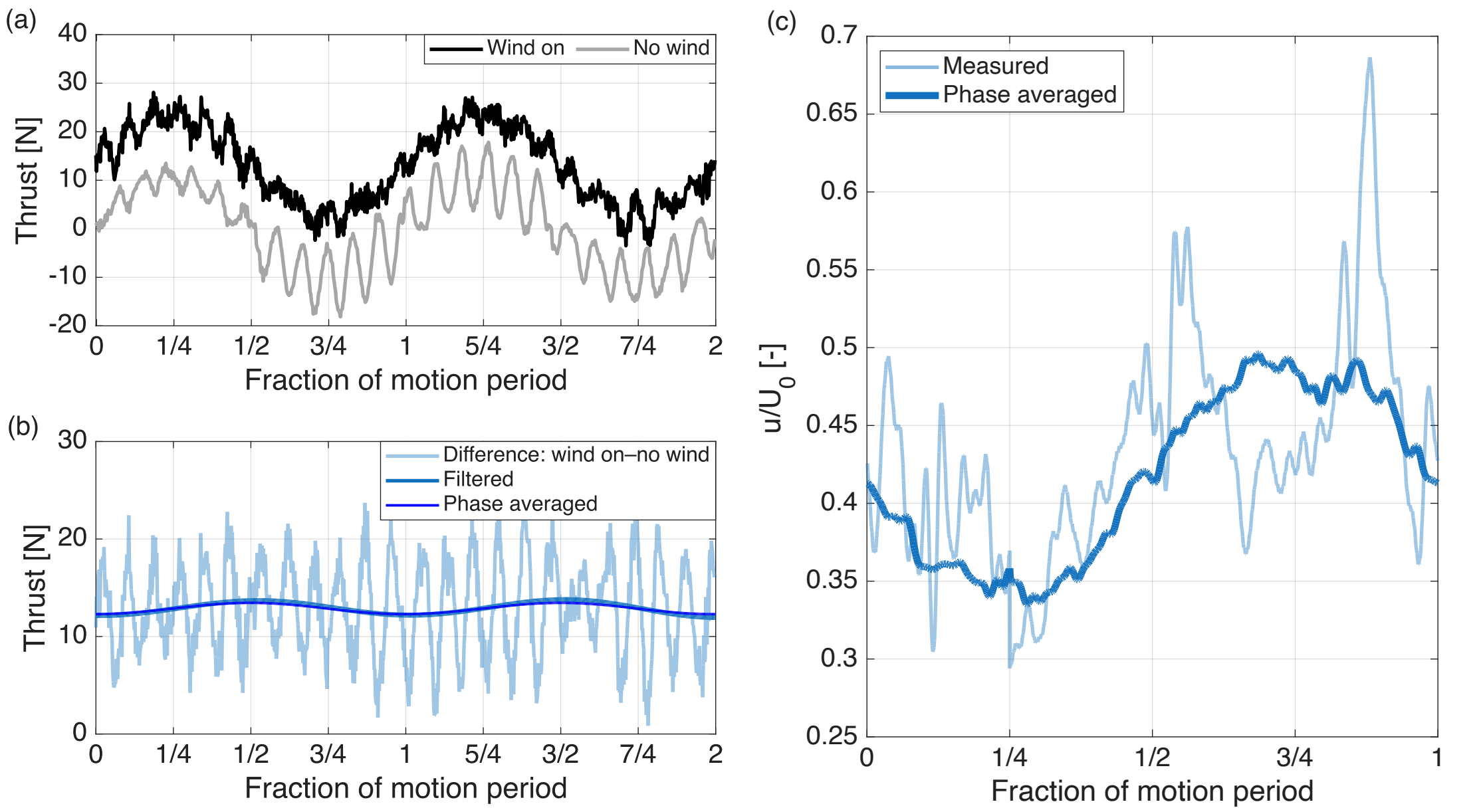

(a)
Wind on
No wind
Thrust [N]
40
30
20
10
0
-10
-20
0
1/4
1/2
3/4
1
5/4
3/2
7/4
2
Fraction of motion period
(b)
Difference: wind on–no wind
Filtered
Phase averaged
Thrust [N]
30
20
10
0
0
1/4
1/2
3/4
1
5/4
3/2
7/4
2
Fraction of motion period
(c)
Measured
Phase averaged
u/U0 [-]
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0
1/4
1/2
3/4
1
Fraction of motion period