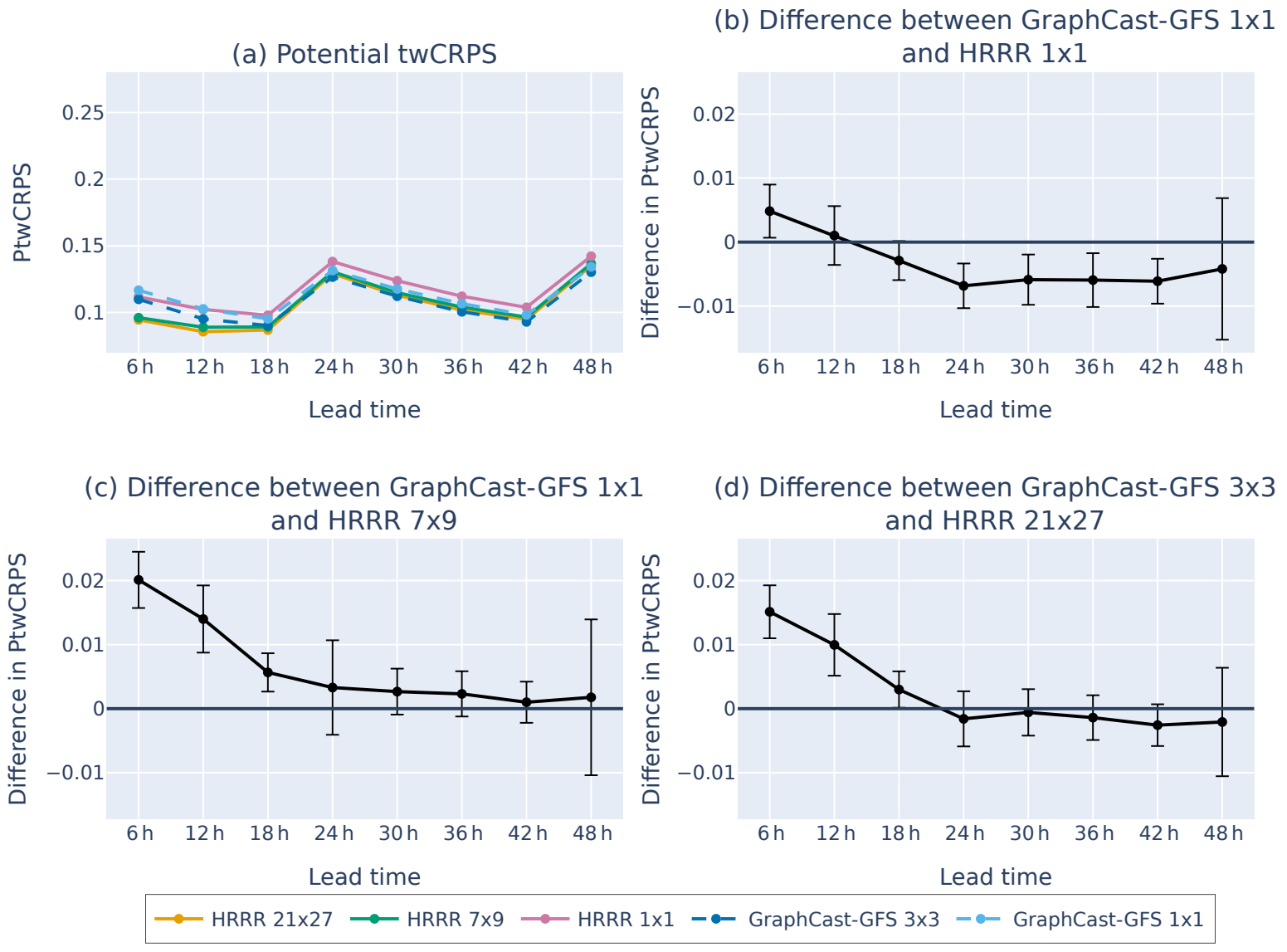

(a) Potential twCRPS
PtwCRPS
0.25
0.2
0.15
0.1
6 h
12 h
18 h
24 h
30 h
36 h
42 h
48 h
Lead time
(b) Difference between GraphCast-GFS 1x1 and HRRR 1x1
Difference in PtwCRPS
0.02
0.01
0
−0.01
Lead time
(c) Difference between GraphCast-GFS 1x1 and HRRR 7x9
Difference in PtwCRPS
Lead time
(d) Difference between GraphCast-GFS 3x3 and HRRR 21x27
Difference in PtwCRPS
Lead time
HRRR 21x27
HRRR 7x9
HRRR 1x1
GraphCast-GFS 3x3
GraphCast-GFS 1x1