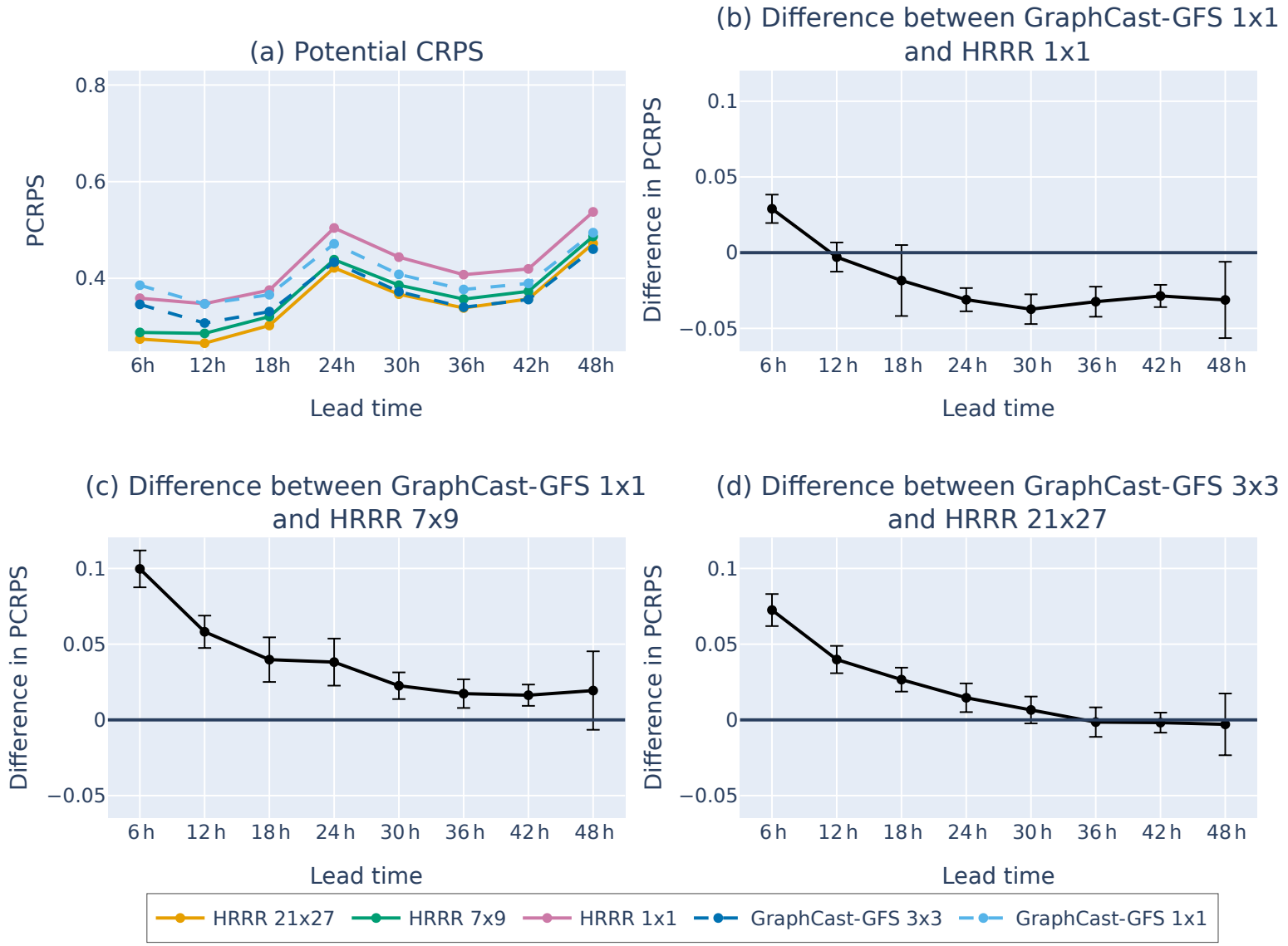

(a) Potential CRPS
PCRPS
0.8
0.6
0.4
6h
12h
18h
24h
30h
36h
42h
48h
Lead time
(b) Difference between GraphCast-GFS 1x1 and HRRR 1x1
Difference in PCRPS
0.1
0.05
0
−0.05
6 h
12 h
18 h
24 h
30 h
36 h
42 h
48 h
Lead time
(c) Difference between GraphCast-GFS 1x1 and HRRR 7x9
Difference in PCRPS
0.1
0.05
0
−0.05
6 h
12 h
18 h
24 h
30 h
36 h
42 h
48 h
Lead time
(d) Difference between GraphCast-GFS 3x3 and HRRR 21x27
Difference in PCRPS
0.1
0.05
0
−0.05
6 h
12 h
18 h
24 h
30 h
36 h
42 h
48 h
Lead time
HRRR 21x27
HRRR 7x9
HRRR 1x1
GraphCast-GFS 3x3
GraphCast-GFS 1x1