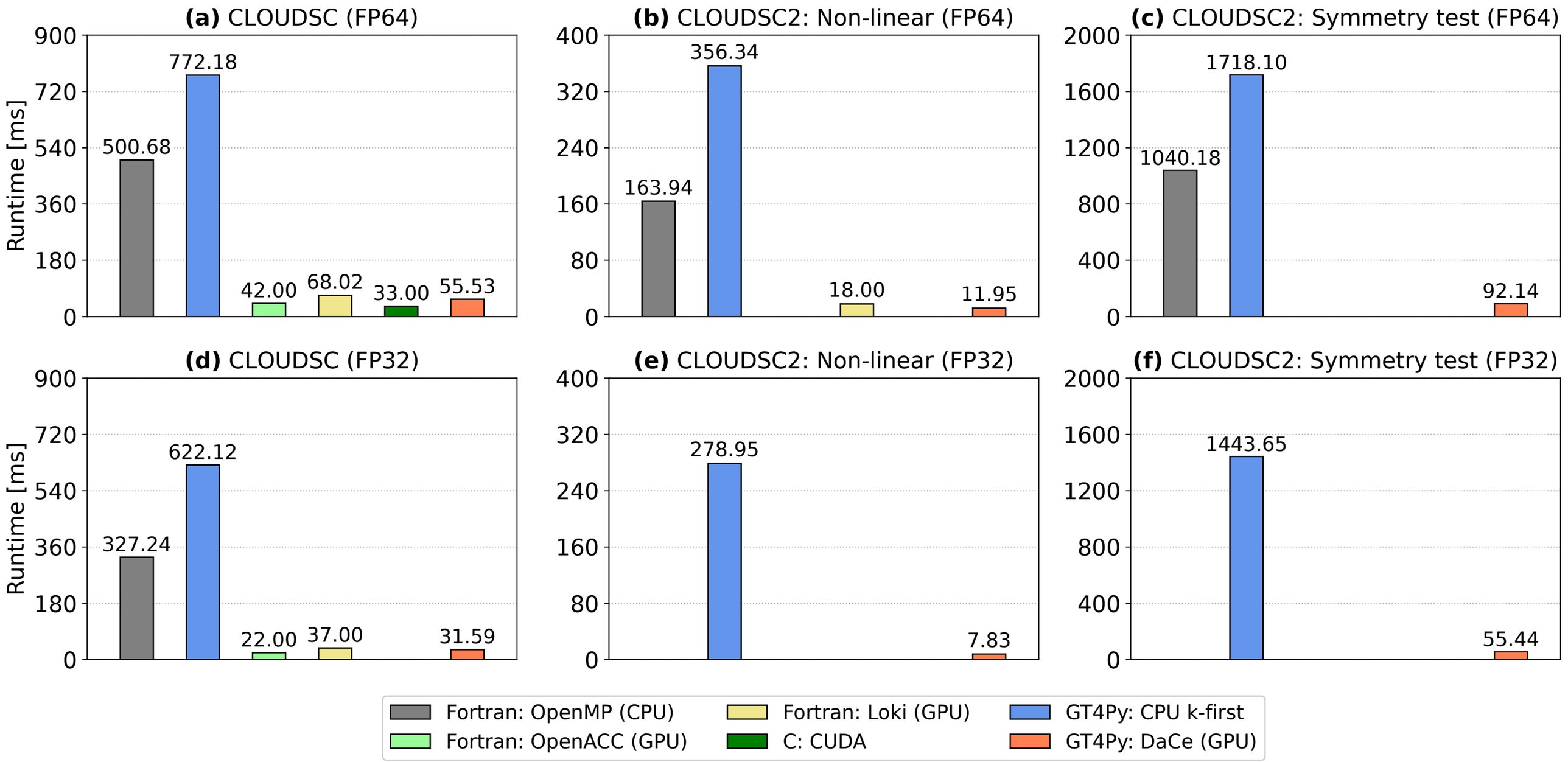
(a) CLOUDSC (FP64)
(b) CLOUDSC2: Non-linear (FP64)
(c) CLOUDSC2: Symmetry test (FP64)
(d) CLOUDSC (FP32)
(e) CLOUDSC2: Non-linear (FP32)
(f) CLOUDSC2: Symmetry test (FP32)
Runtime [ms]
500.68
772.18
42.00
68.02
33.00
55.53
163.94
356.34
18.00
11.95
1040.18
1718.10
92.14
327.24
622.12
22.00
37.00
31.59
278.95
7.83
1443.65
55.44
Fortran: OpenMP (CPU)
Fortran: OpenACC (GPU)
Fortran: Loki (GPU)
C: CUDA
GT4Py: CPU k-first
GT4Py: DaCe (GPU)