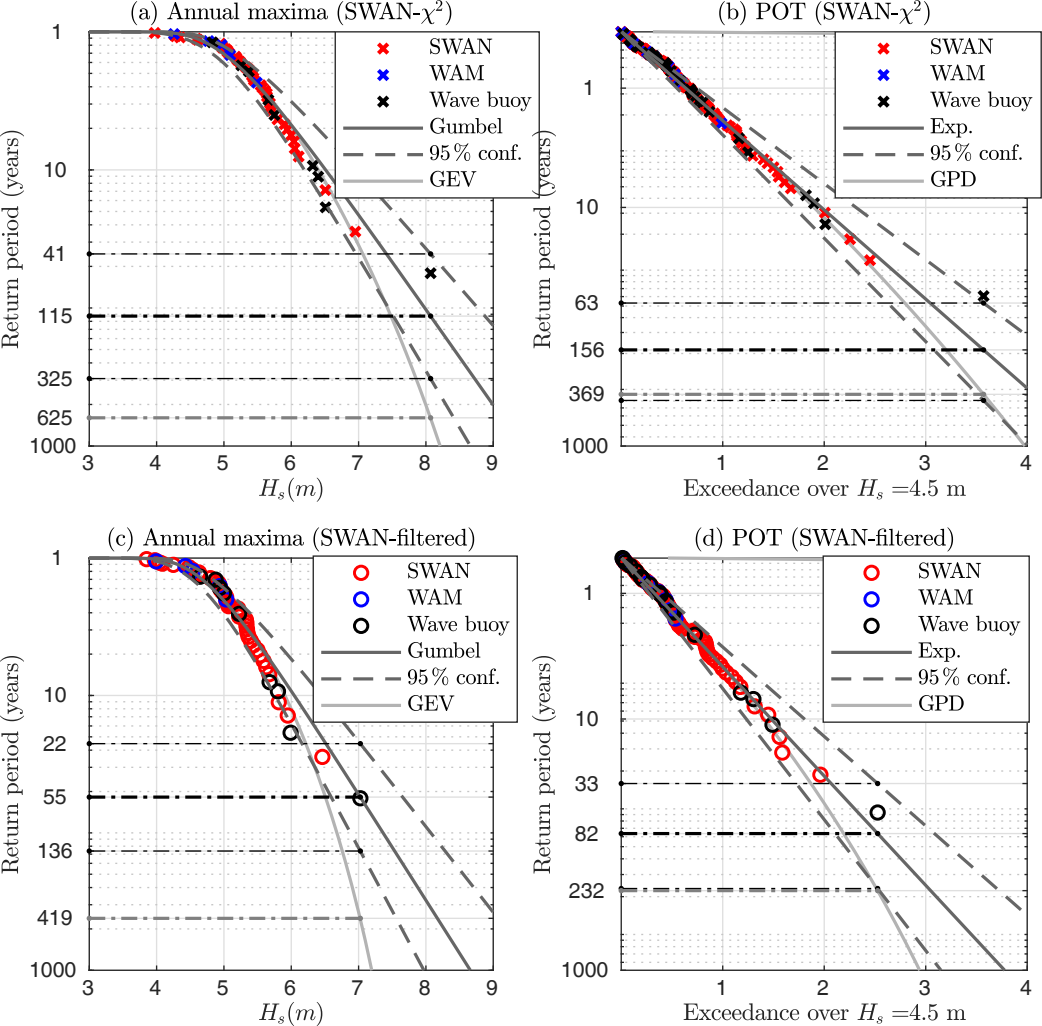
(a) Annual maxima (SWAN-χ^2)
SWAN
WAM
Wave buoy
Gumbel
95 % conf.
GEV
Return period (years)
1
10
41
115
325
625
1000
3
4
5
6
7
8
9
$H_s(m)$
(b) POT (SWAN-χ^2)
SWAN
WAM
Wave buoy
Exp.
95 % conf.
GPD
Return period (years)
1
10
63
156
369
1000
1
2
3
4
Exceedance over H_s =4.5 m
(c) Annual maxima (SWAN-filtered)
SWAN
WAM
Wave buoy
Gumbel
95 % conf.
GEV
Return period (years)
1
10
22
55
136
419
1000
3
4
5
6
7
8
9
$H_s(m)$
(d) POT (SWAN-filtered)
SWAN
WAM
Wave buoy
Exp.
95 % conf.
GPD
Return period (years)
1
10
33
82
232
1000
1
2
3
4
Exceedance over H_s =4.5 m