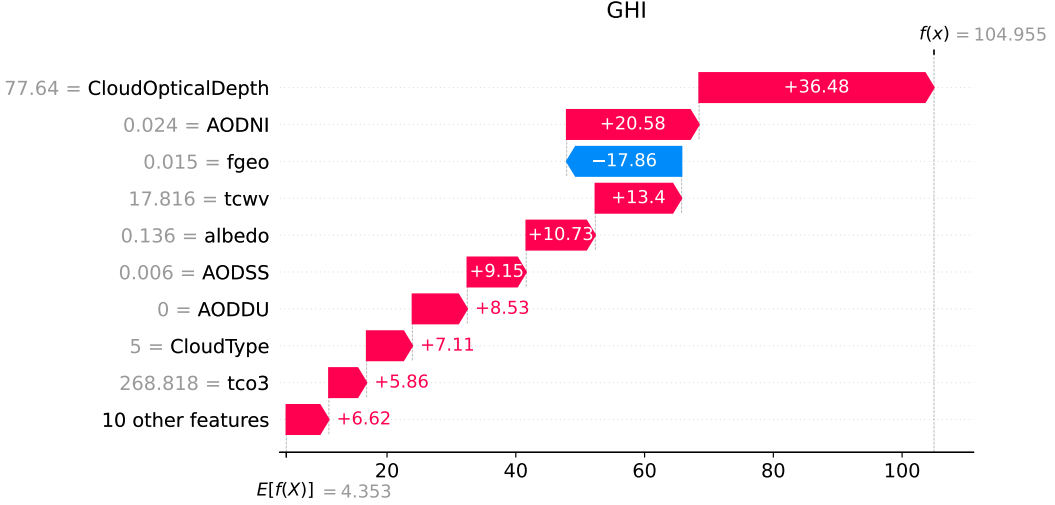
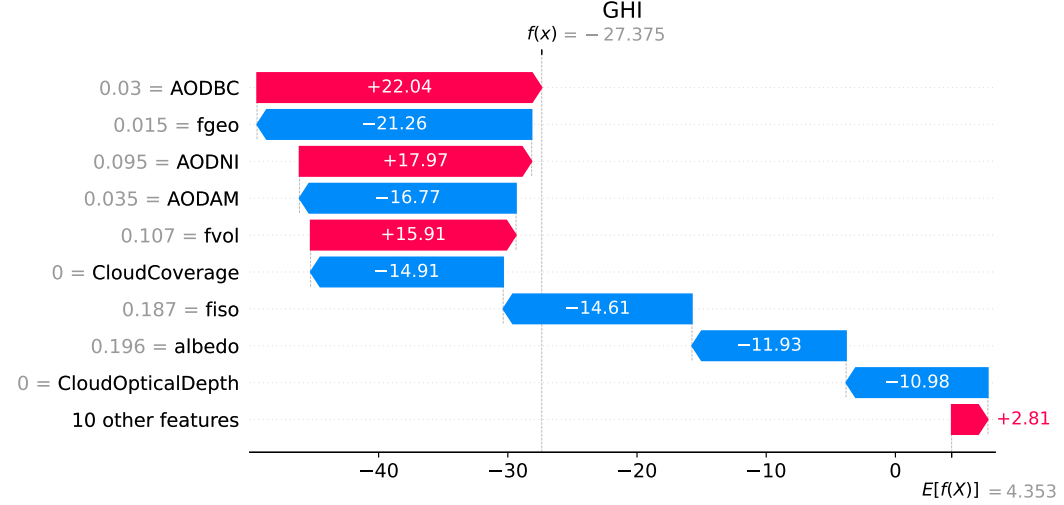
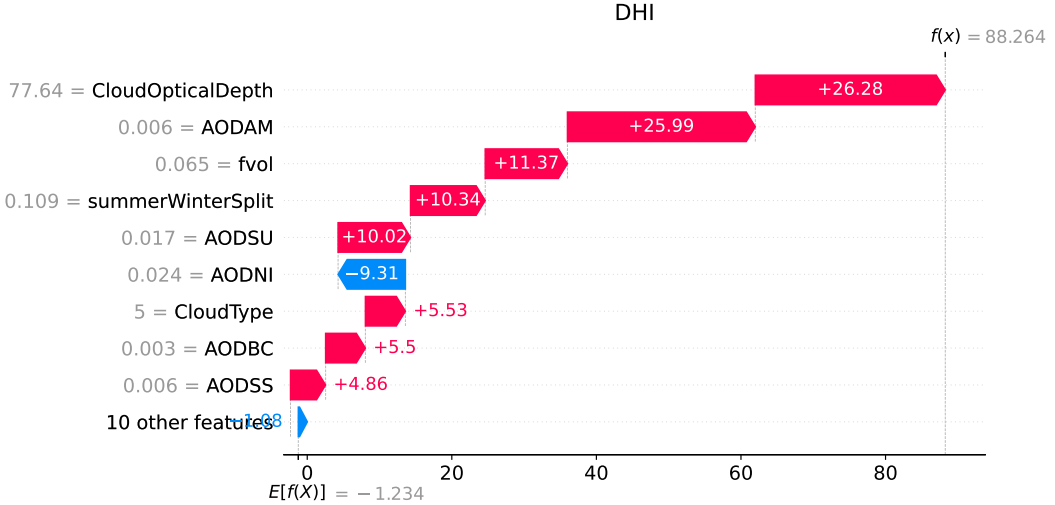
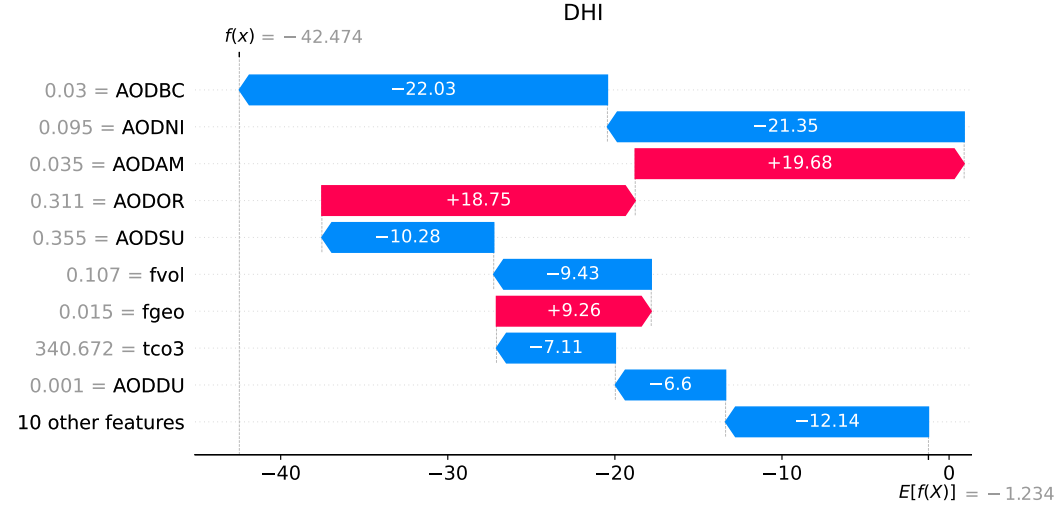
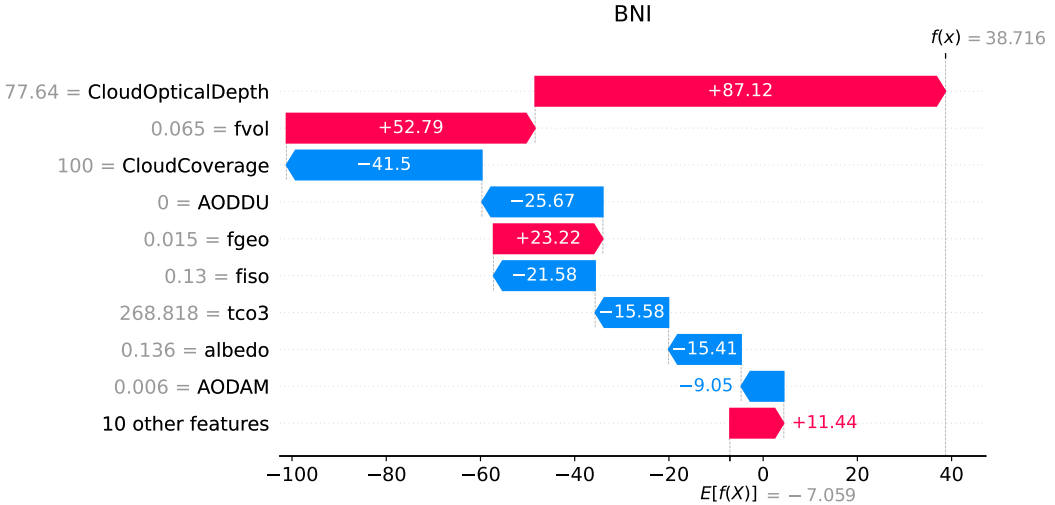
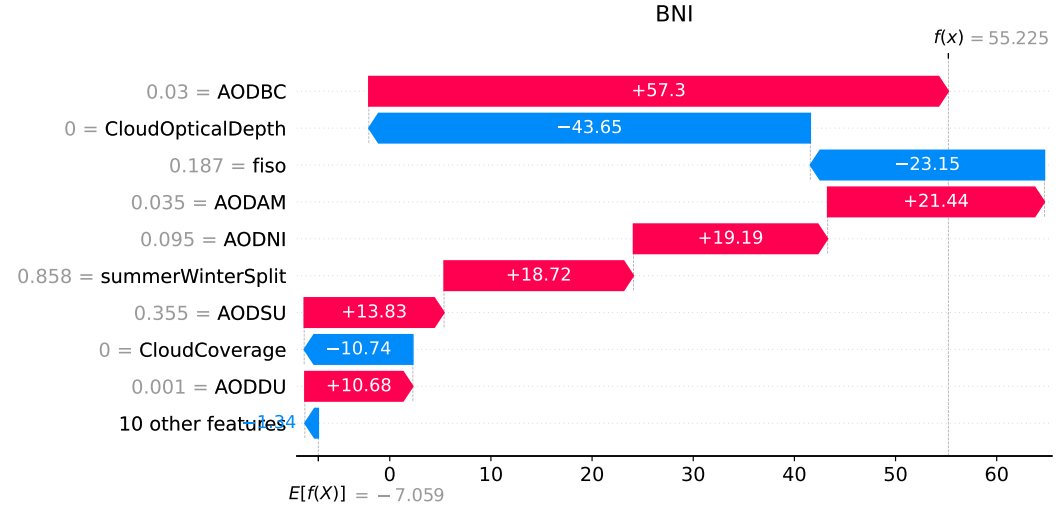

GHI
f(x) = 104.955
77.64 = CloudOpticalDepth
0.024 = AODNI
0.015 = fgeo
17.816 = tcwv
0.136 = albedo
0.006 = AODSS
0 = AODDU
5 = CloudType
268.818 = tco3
10 other features
+36.48
+20.58
−17.86
+13.4
+10.73
+9.15
+8.53
+7.11
+5.86
+6.62
20
40
60
80
100
E[f(X)] = 4.353


GHI
f(x) = − 27.375
0.03 = AODBC
0.015 = fgeo
0.095 = AODNI
0.035 = AODAM
0.107 = fvol
0 = CloudCoverage
0.187 = fiso
0.196 = albedo
0 = CloudOpticalDepth
10 other features
+22.04
−21.26
+17.97
−16.77
+15.91
−14.91
−14.61
−11.93
−10.98
+2.81
−40
−30
−20
−10
0
E[f(X)] = 4.353


DHI
f(x) = 88.264
77.64 = CloudOpticalDepth
0.006 = AODAM
0.065 = fvol
0.109 = summerWinterSplit
0.017 = AODSU
0.024 = AODNI
5 = CloudType
0.003 = AODBC
0.006 = AODSS
10 other features
+26.28
+25.99
+11.37
+10.34
+10.02
−9.31
+5.53
+5.5
+4.86
0
20
40
60
80
E[f(X)] = − 1.234


DHI
f(x) = − 42.474
0.03 = AODBC
0.095 = AODNI
0.035 = AODAM
0.311 = AODOR
0.355 = AODSU
0.107 = fvol
0.015 = fgeo
340.672 = tco3
0.001 = AODDU
10 other features
−22.03
−21.35
+19.68
+18.75
−10.28
−9.43
+9.26
−7.11
−6.6
−12.14
−40
−30
−20
−10
0
E[f(X)] = − 1.234


BNI
f(x) = 38.716
77.64 = CloudOpticalDepth
0.065 = fvol
100 = CloudCoverage
0 = AODDU
0.015 = fgeo
0.13 = fiso
268.818 = tco3
0.136 = albedo
0.006 = AODAM
10 other features
+87.12
+52.79
−41.5
−25.67
+23.22
−21.58
−15.58
−15.41
−9.05
+11.44
−100
−80
−60
−40
−20
0
20
40
E[f(X)] = − 7.059


BNI
f(x) = 55.225
0.03 = AODBC
0 = CloudOpticalDepth
0.187 = fiso
0.035 = AODAM
0.095 = AODNI
0.858 = summerWinterSplit
0.355 = AODSU
0 = CloudCoverage
0.001 = AODDU
10 other features
+57.3
−43.65
−23.15
+21.44
+19.19
+18.72
+13.83
−10.74
+10.68
0
10
20
30
40
50
60
E[f(X)] = − 7.059