No sub-grid coagulation

No sub-grid coagulation

With sub-grid coagulation

With sub-grid coagulation

\[ D_{pm0} = 150, \quad \sigma_0 = 2 \]
\[ D_{pm0} = 150, \quad \sigma_0 = 2 \]
\[ D_{pm0} = 100, \quad \sigma_0 = 2 \]
\[ D_{pm0} = 100, \quad \sigma_0 = 2 \]
\[ D_{pm0} = 100, \quad \sigma_0 = 1.6 \]
\[ D_{pm0} = 100, \quad \sigma_0 = 1.6 \]

Avg = -182

Avg = -188

Avg = -188

Avg = -214

Avg = -197

Avg = -177

DRE due to BB [mW m\(^{-2}\)]