



Start ADMs

Obtain the simulated ADMs based on IGBP surface classifications

Clear

Y

N

Combine the corresponding CERES and simulated ADMs based on IGBP surface classifications

Based on cloud phase (water, ice) and cloud optical depth intervals

Obtain the synthesized Clear-sky ADMs based on IGBP surface classifications

Utilized the CERES cloud ADMs for surface type of ocean, low-mod shrub/tree, mod-high shrub/tree, desert (bright, dark), and snow/ice

Select the corresponding ADMs based on surface scene and cloud state

Apply the corresponding synthesized ADMs to obtain TOA broadband albedos

End ADMs