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Relating these data to the larger, area-averaged ISCCP results requires intermediate steps using higher resolution satellite data analyses. This same analysis technique may then be used to derive cloud parameters over a larger area containing similar cloud fields. Selected ISCCP results are compared to cloud parameters derived using the hybrid bispectral threshold method over the FIRE IFO and extended observation areas. This validation effort has many facets including sensitivity analyses and comparisons to similar data or theoretical results with known accuracies. The FIRE provides cloud-truth data at particular points or along particular lines from surface and aircraft measurement systems.

