A Comparison of Multilayer Clouds Inferred between the Passive and Active Satellites

Fu-Lung Chang
Science System and Applications, Inc. (SSAI)

Patrick Minnis (NASA LaRC)
Sunny Sun-Mack (SSAI) and group members
Outline

• The multilayer (ML) cloud property retrievals.
• Comparisons between the passive- and active-inferred ML cloud properties.
• Possible plans to optimize the ML cloud retrieval algorithm.
Comparisons with the Active Satellite Data

2006.07.15 (UTC 0215 – 0305)

Pink – Multilayer pixel
Yellow – Likely Multilayer Multiphase pixel
Brown – Weak Multilayer pixel
Evaluation and Optimization?

A) P/Yes, A/Yes, 10%
B) P/Yes, A/Yes, 4%
C) P/Yes, A/No, 0.01%
D) P/No, A/Yes, 6%
E) P/No, A/Yes, 1%
F) P/No, A/Yes, 9%
G) All others, 70%