

Near-Real-Time Satellite Products

Product	Time Available	In Field	Validation Needed
CALIPSO	Expedited(L1): 5 hr Operational: 2-3 d	Dave Winker	aerosols
OMI BrO, SO ₂ , NO ₂ , AI GOME-2 BrO, NO ₂	L2: 3-4 h (including airmass factors; albedo) Need cloud products	Daniel Jacob	BrO, SO ₂ , NO ₂
OMI O ₃ residual	N/A		Trop O ₃ column
TES O ₃ , CO, CH ₄	Step&stare (every other day): 2-3 d	John Worden	O ₃ , CO, CH ₄ , CH ₃ OH, HCOOH
MLS	N/A		O ₃ , CO, HNO ₃ , HCN
HIRDLS	Few hours?		O ₃ , HNO ₃
AIRS CO, O ₃ (CH ₄ ?)	4 h	Juying Warner	CO, O ₃ , CH ₄
MODIS	5 h	Allen Chu	aerosols
MOPITT	4 h	Louisa Emmons	CO
MISR		Ralph Kahn	aerosols

Need validation profiles over snow & ice