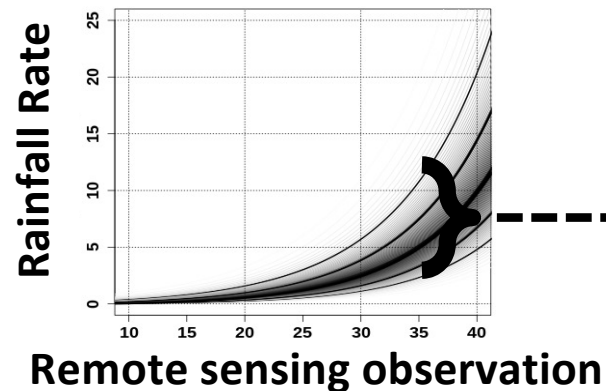
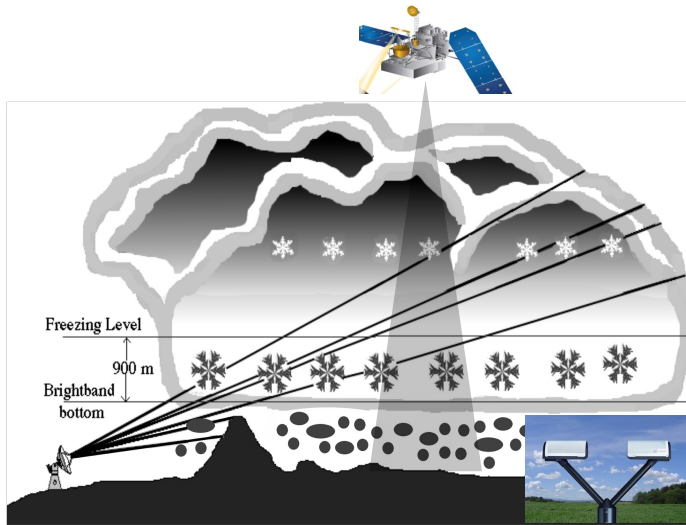
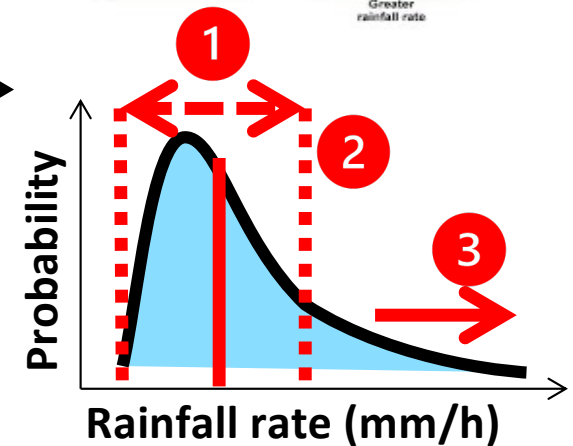
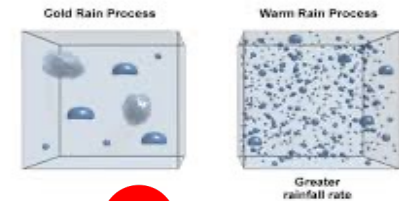


Toward probabilistic precipitation estimates

From retrieval diagnostic to actionable information



Hydrometeor Distributions with Equivalent Reflectivity but Different Rainfall Rates



- Uses (un)certainty as an integral part of QPE
- 1 Depicts the most likely value (→ bias reduction)
- 2 Quantifies certainty bounds (→ data fusion & assimilation)
- 3 Quantifies the likelihood of extreme cases (→ risk analysis)