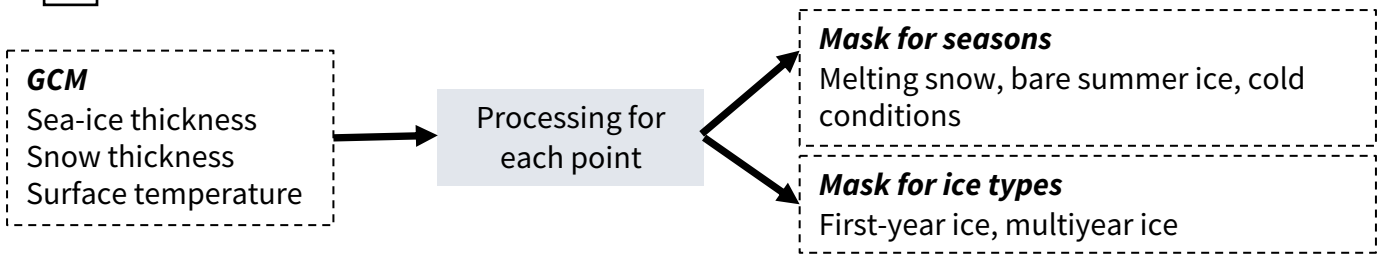
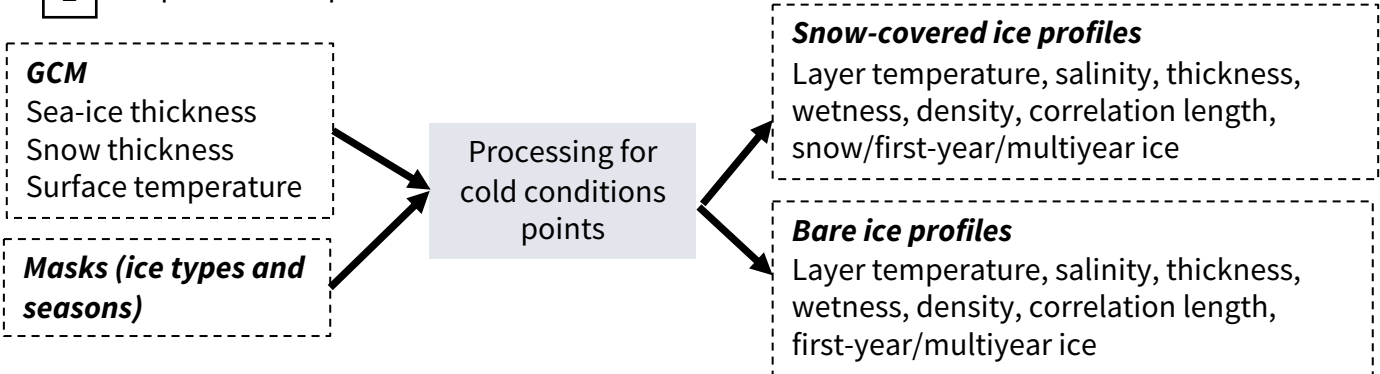


# ARC30 workflow

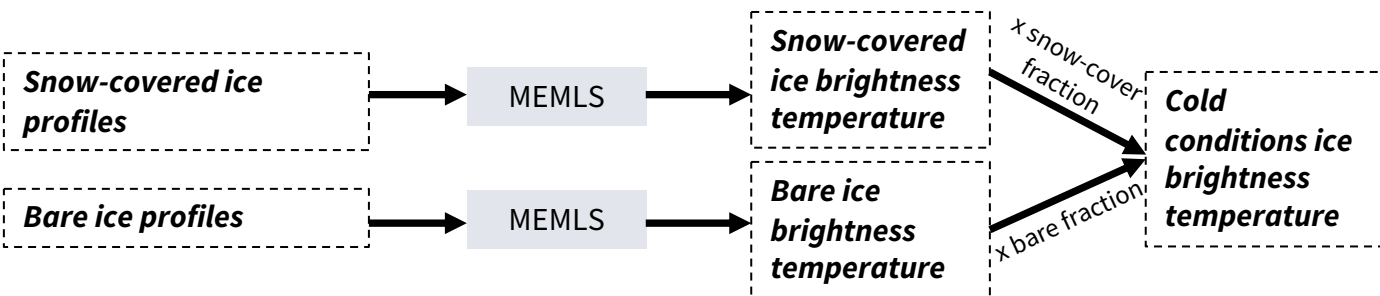
## 1 Prepare masks for season and ice types



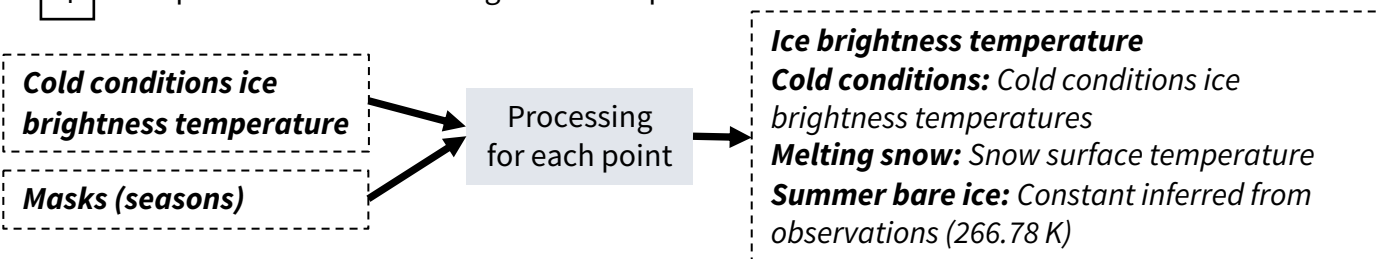
## 2 Prepare sea-ice profiles for cold conditions



## 3 Compute sea-ice surface brightness temperature for cold conditions



## 4 Compute sea-ice surface brightness temperature for all conditions



## 5 Add sea-ice concentration and atmospheric effect

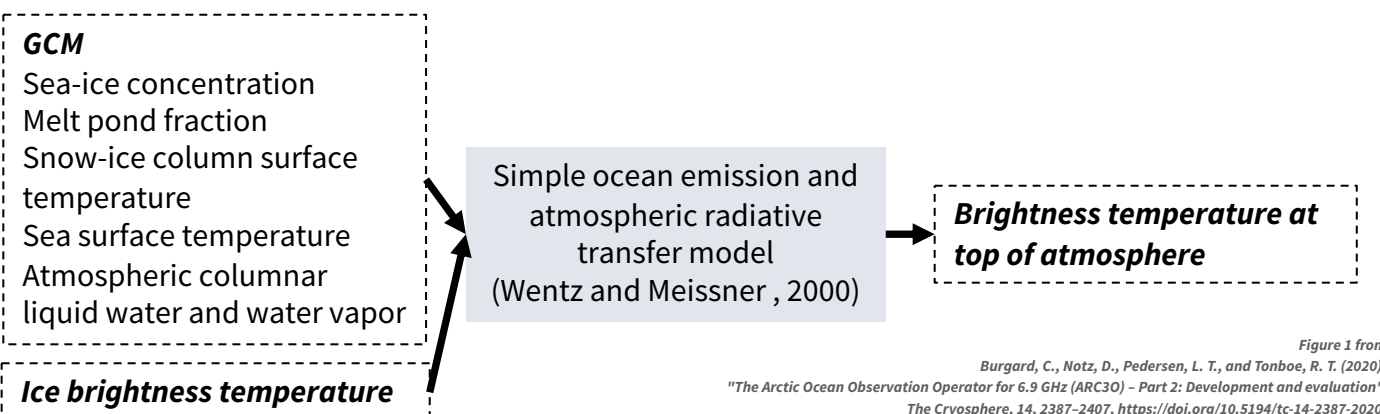


Figure 1 from

Burgard, C., Notz, D., Pedersen, L. T., and Tonboe, R. T. (2020): "The Arctic Ocean Observation Operator for 6.9 GHz (ARC30) – Part 2: Development and evaluation", The Cryosphere, 14, 2387–2407, <https://doi.org/10.5194/tc-14-2387-2020>. CC-BY-4.0 (<https://creativecommons.org/licenses/by/4.0/>)