

Boundary Layer \ Microphysics	Goddard	WRF 5-Class	Predicted Particle	Morrison Bulk 2-Moment
YSU	1	x		
MYJ	2	3		
MYNN				

Input Datasets

ERA - Interim	<ul style="list-style-type: none"> Boundary conditions Initial conditions
PIOMAS	<ul style="list-style-type: none"> Snow depth Ice thickness
SSMI	<ul style="list-style-type: none"> Ice extent

Simulation Dates

Winter	January 1 2015 – April 1 2015
Spring	April 1 2015 – July 1 2015

Other Settings

Cumulus	Grell–Freitas Ensemble Scheme
LW/SW Radiation	RRTMG
Surface Layer	<ul style="list-style-type: none"> Revised MM5 1 ETA Similarity 2, 3
Land Surface	Unified Noah Land Surface Model
Model Version	Polar WRF 4.1.4

In above table x indicates a run cannot be run, numbers and colors correspond to plots

