

Obtain forcing data to drive WT-Noah-MP

- In “HRLDAS_forcing/run/examples”, it has scripts that can be used to extract forcing as needed
 - I have included another folder “[single_point_NLDAS](#)” that contains the scripts can be used to extract single-point data from NLDAS
 - I’ll use the point data (1 single column) from WS10 (HJ Andrews) as an example
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1. Download the source/raw data from which our point data can be extracted
 1. I downloaded NLDAS
 1. Meteorologic forcing from
https://hydro1.gesdisc.eosdis.nasa.gov/data/NLDAS/NLDAS_FORA0125_H.002/
 2. Initial conditions for soil and snow (the start date for the simulation) from https://hydro1.gesdisc.eosdis.nasa.gov/data/NLDAS/NLDAS_NOAH0125_H.002/
 2. Pre-process NLDAS data into single-point data that Noah-MP can take
 1. Use “single_point_NLDAS/create_setup.ncl” to create a setup file that has the initial column conditions
 2. Use “single_point_NLDAS/create_ldasin_files.ncl” to forcing files for each time step
 3. The “single_point_NLDAS” folder also has the modified versions of these ncl scripts that I used to extract WS10 data
 4. Need to adjust location, time and input/output directories accordingly
 5. Run these ncl scripts using command line “ncl single_point_NLDAS/create_ldasin_files.ncl”
 3. Now, you should have one setup file and forcing files for each time step
 1. Such as “HRLDAS_setup_yyyymmddhh_d1”
 2. “yyyymmddhh.LDASIN_DOMAIN1”