









### 10.3 Base State

Same as for INTERPF

- Computed for coarse grid and fine grid (temperature adjustment)
- Computed for fine grid + higher vertical resolution (for vertical interpolation)

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# **10.6 Namelist Input**

- Similar to regridder, INTERPF, little\_r: uses namelist.input
- Input file names and processing dates are required modifications
- Other namelist records have reasonable default values
- New σ-levels are optional (i.e., omit sigma\_f\_bu in RECORD2 if unchanged)

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#### 10.6 record0

 input\_file either MMINPUT file or MMOUT file, must be σ-level data, more than a single time period for lateral boundary computations
 input\_terrain\_file fine grid terrain file, usually set up with previous domain as the coarse grid

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# **10.6 record0** • input\_lowbdy\_file sometimes optional,

the user may choose to generate the data in the LOWBDY file from available information, usually it is safer to just include the file since it exists

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# \$tart\_year: 4-digit integer \$tart\_month: int, 2-digit month (01 to 12)

- start\_day: int, 2-digit day (01 to 31)
   start\_day: int, 2-digit UTC hour (00 to 23)
   interval: integer time in seconds between forecast/analysis periods
- less\_than\_24h: logical T/F, force < 24 h in computing daily temp means</p>

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## 10.6 record2

sigma\_f\_bu: real array, list of full σlevels, bottom-up; *IF PRESENT, THEY* ARE USED

sst\_to\_ice\_threshold: real, temperature threshold (K) at which the SST forces the grid cell to switch from the water category to ice – do not activate if using polar physics or LSM in MM5

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10.6 record5

 ifdatim: number of time periods in the MMINPUT file (cuts down substantially on file sizes if the lateral BC is fairly high frequency) ifdatim = 1 → only 1 time period in the MMINPUT file ifdatim = -1 → place ALL time periods in the MMINPUT file

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If you are NOT doing FDDA, set ifdatim=1









