I went threw many papers on ISMR forecasting and tried to figure out where they are getting their data from. I identified mainly three types of data: gridded (obtained from stations, high-resolution), GCMs products (produced by various institutions like NCEP), and global climate predictors (like SST anomaly), and also where to obtain them.

*Will keep updating this document with new finds.*

[*IMD’s gridded rainfall and temperature data.*](https://www.imdpune.gov.in/Clim_Pred_LRF_New/Grided_Data_Download.html)Available as files for each year. Free access. Will need to figure out how to convert their file format into a readable format (there is code on the website for parsing their format), I believe this is the only open-access dataset IMD has. For other data produced by IMD, we will have to go through some red tape (submit forms, government ID, and make a payment).

[*IRI’s Data Library.*](https://iridl.ldeo.columbia.edu/)A tremendous collection of many datasets, produced by nearly every organisation in the game. Free-access. Has many GCM products available. Only catch is that some of datasets are a decade or two old. IMD is listed in the library but its data is not accessible here.

[*NOAA’s OneStop.*](https://data.noaa.gov/onestop/) Access to NCEP data. Could be useful, but will have to figure out how to download.