1. Climate data (NOAA_Daily_phi_500mb.nc)
- Gridded Geopotential height data (Phi)
- Format: netcdf (.nc) a format that gives you more information about this dataset
- Dimension: Pressure (grid): P unit: mb
  Time (grid): T unit: days since 1948-01-01 12:00:00 ordered from 1948-01-01 to 2016-02-05
  Longitude(grid): X unit: degree_east from 0 to 2.5W by 2.5 degrees
  Latitude (grid): Y unit: degree_north ordered 70N to 35N by 2.5 degrees
- Note: Pressure level (P) is fixed, P = 500mb, so essentially it is a 3-d array Time-by-Longitude-by-Latitude

More information and source can be found at:
http://iridl.ldeo.columbia.edu/SOURCES/.NOAA/.NCEP-NCAR/.CDAS-1/.DAILY/.Intrinsic/.PressureLevel/.phi/P/500/VALUE/Y/%2870N%29%2835N%29RANGEEDGES/Y/%2880N%29%280N%29RANGEEDGES/

2. Flood record data from Dartmouth Flood Observatory (GlobalFloodsRecord.xls)
- Spreadsheet with all events recorded with details
More information and source can be found at: http://floodobservatory.colorado.edu/

3. Additional data you want to assist your analysis and visualization, you are free to grab.
My suggestion is IRI data library for more climate data. You can find the complete dataset that contains data(1) in the link I provided: http://iridl.ldeo.columbia.edu/SOURCES/.NOAA/.NCEP-NCAR/.CDAS-1/.DAILY/.Intrinsic/.PressureLevel/