

CONTOUR MAP folder structure:

- Dataset:
 - Given_dataset : This folder contains the entire gridMET dataset that was given for this assignment and provides daily meteorological data for a period of over 40 years.
 - Dataset_subest : The part of the dataset which was used for the contour fill plots
- Images:
 - Contains all the contour plots shown under the “Contour Map” subsection of the report.
- Codes:
 - Contains the python scripts used for plotting the contour plots
 - **A detailed ReadMe is present in the “Codes” folder for the same**
- GIFs:

This folder contains the animated GIFs. This table gives a mapping of the GIF name with different attributes such as contour levels, colormap used and width of lines.

Name	Number of levels	Colormap	Width
Wind Speed1 (10 levels, viridis).gif	10	viridis	
Wind Speed2 (20 levels, viridis).gif	20	viridis	
Wind Speed3 (5 levels, viridis).gif	5	viridis	
Wind Speed4 (10 levels, viridis).gif	10	plasma	
Wind Speed5 (20 levels, viridis).gif	20	plasma	
Wind Speed6 (5 levels, viridis).gif	5	plasma	
WS_marching_sqaures1 (10 levels, width 1).gif	10	viridis	1
WS_marching_sqaures2 (20 levels, width 1).gif	20	viridis	1

WS_marching_sqaures4 (10 levels, width 2).gif	10	viridis	2
WS_marching_sqaures5 (10 levels, width 0.5).gif	10	viridis	0.5
WS_marching_sqaures6 (25 levels, width 0.5).gif	25	viridis	0.5
Precipitation1 (10 levels, viridis).gif	10	viridis	
Precipitation2 (30 levels, viridis).gif	20	viridis	
Precipitation3 (5 levels, viridis).gif	5	viridis	
Precipitation4 (10 levels, viridis).gif	10	plasma	
Precipitation5 (20 levels, viridis).gif	20	plasma	
Precipitation6 (5 levels, viridis).gif	5	plasma	