

```
graph TD; In1(( )) --> mean_precip(mean_precip); In2(( )) --> mean_airtemp(mean_airtemp); In3(( )) --> SYNMAP_land_cover_map_data(SYNMAP_land_cover_map_data); mean_precip --> fetch_monthly_mean_precipitation_data[fetch_monthly_mean_precipitation_data]; mean_airtemp --> fetch_monthly_mean_air_temperature_data[fetch_monthly_mean_air_temperature_data]; fetch_monthly_mean_precipitation_data --> Rain_Matrix(Rain_Matrix); fetch_monthly_mean_air_temperature_data --> Tair_Matrix(Tair_Matrix); fetch_monthly_mean_air_temperature_data --> SYNMAP_land_cover_map_data; Rain_Matrix --> examine_pixels_for_grass[examine_pixels_for_grass]; Tair_Matrix --> examine_pixels_for_grass; SYNMAP_land_cover_map_data --> fetch_SYNMAP_land_cover_map_variable[fetch_SYNMAP_land_cover_map_variable]; examine_pixels_for_grass --> C4_Data(C4_Data); fetch_SYNMAP_land_cover_map_variable --> lon_variable(lon_variable); fetch_SYNMAP_land_cover_map_variable --> lat_variable(lat_variable); fetch_SYNMAP_land_cover_map_variable --> lon_bnds_variable(lon_bnds_variable); fetch_SYNMAP_land_cover_map_variable --> lat_bnds_variable(lat_bnds_variable); C4_Data --> generate_netcdf_file_for_C4_fraction[generate_netcdf_file_for_C4_fraction]; lon_variable --> generate_netcdf_file_for_C4_fraction; lat_variable --> generate_netcdf_file_for_C4_fraction; lon_bnds_variable --> generate_netcdf_file_for_C4_fraction; lat_bnds_variable --> generate_netcdf_file_for_C4_fraction; generate_netcdf_file_for_C4_fraction --> C4_fraction_data(C4_fraction_data); C4_fraction_data --> Out(( ))
```

