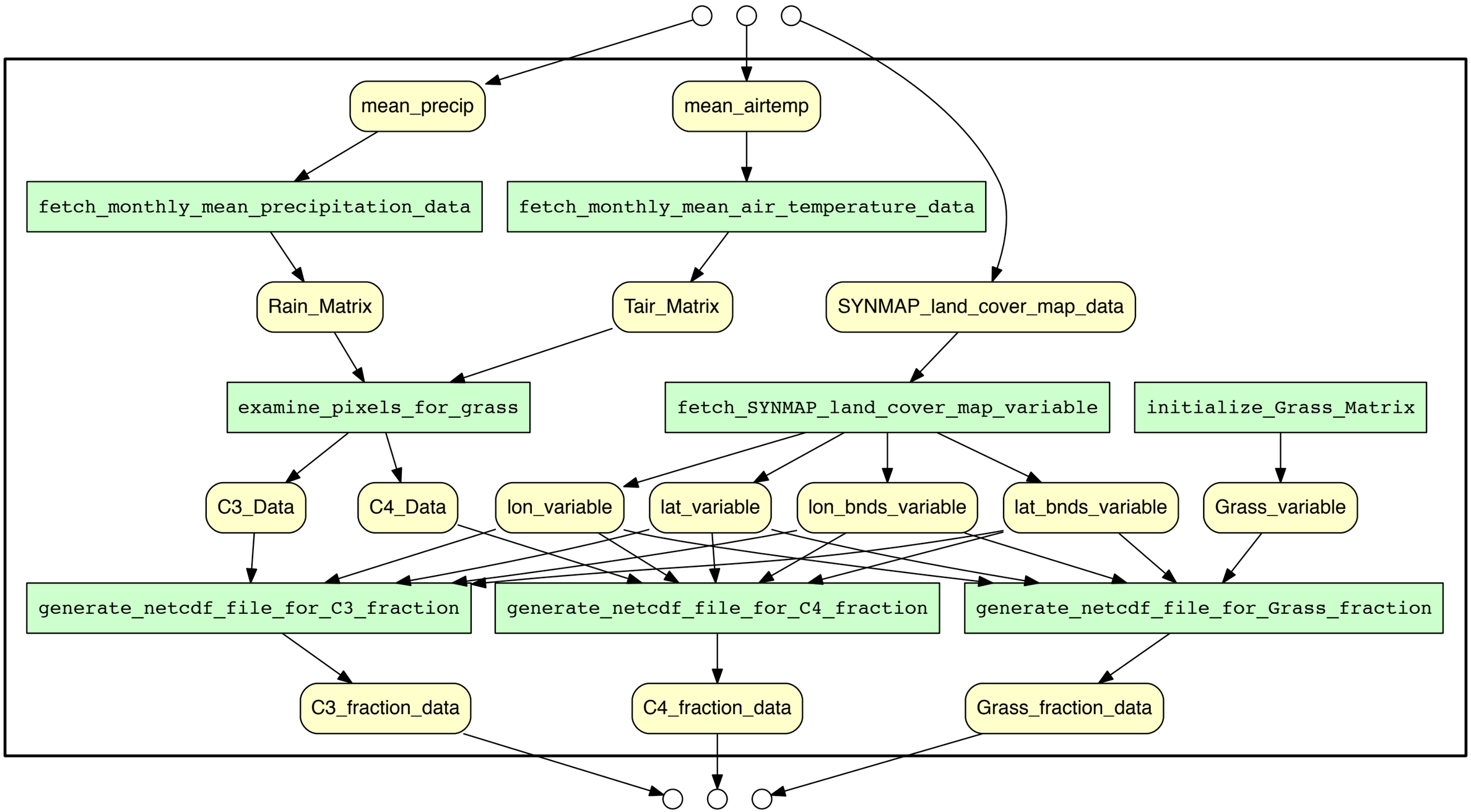C3_C4_map_present_NA