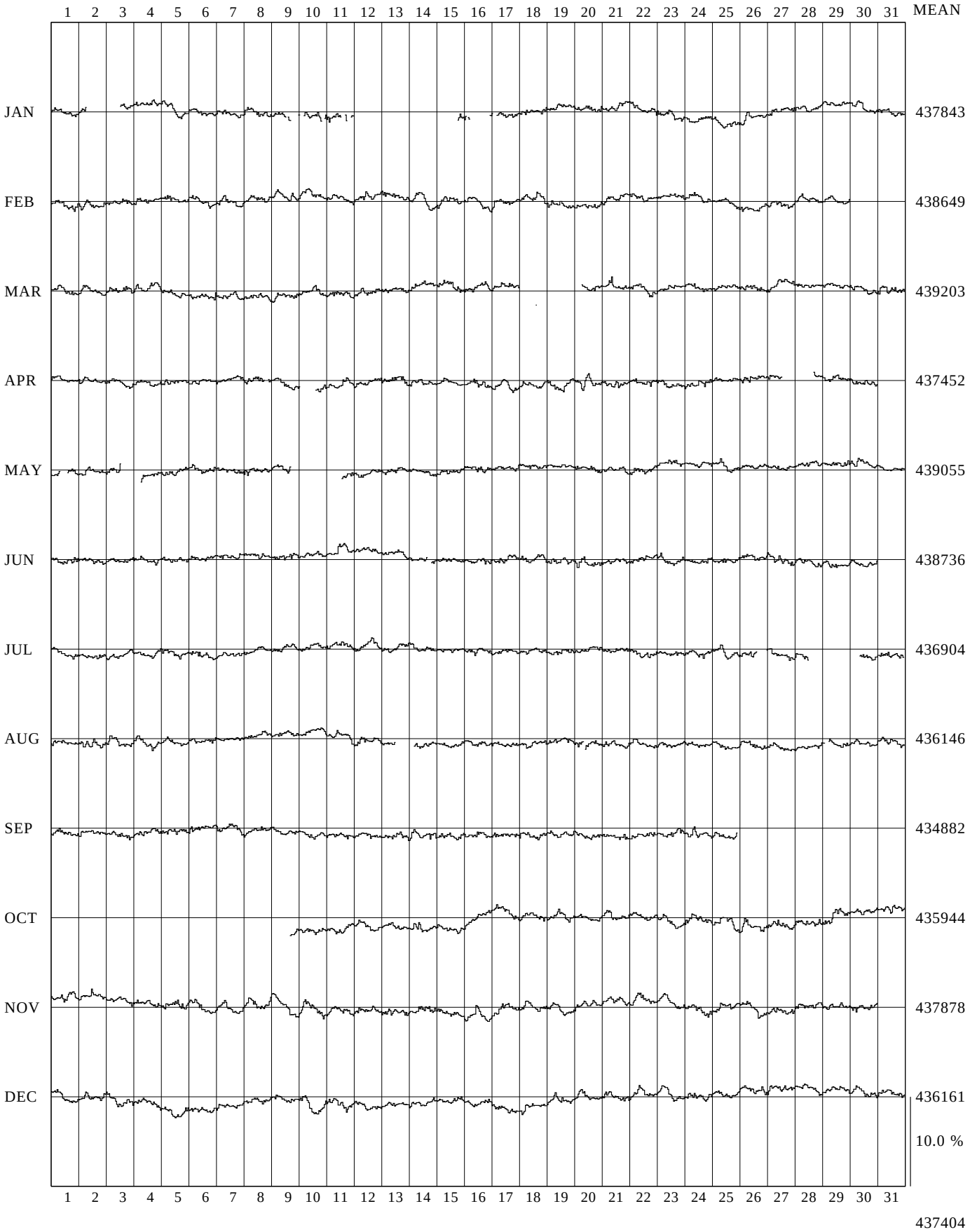Alma_B N64 PCSA 2020