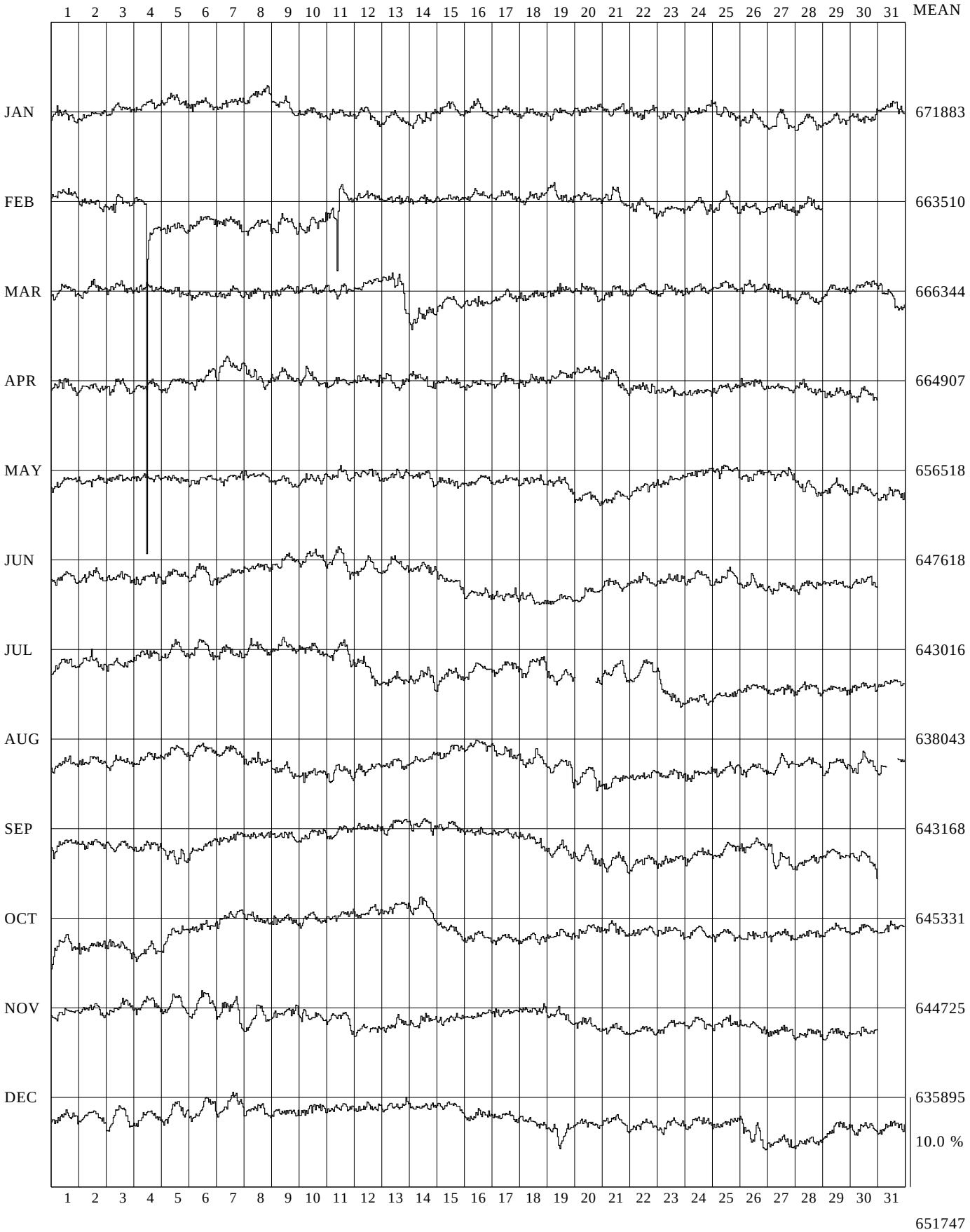KIEL2 N64 PCSA 2022