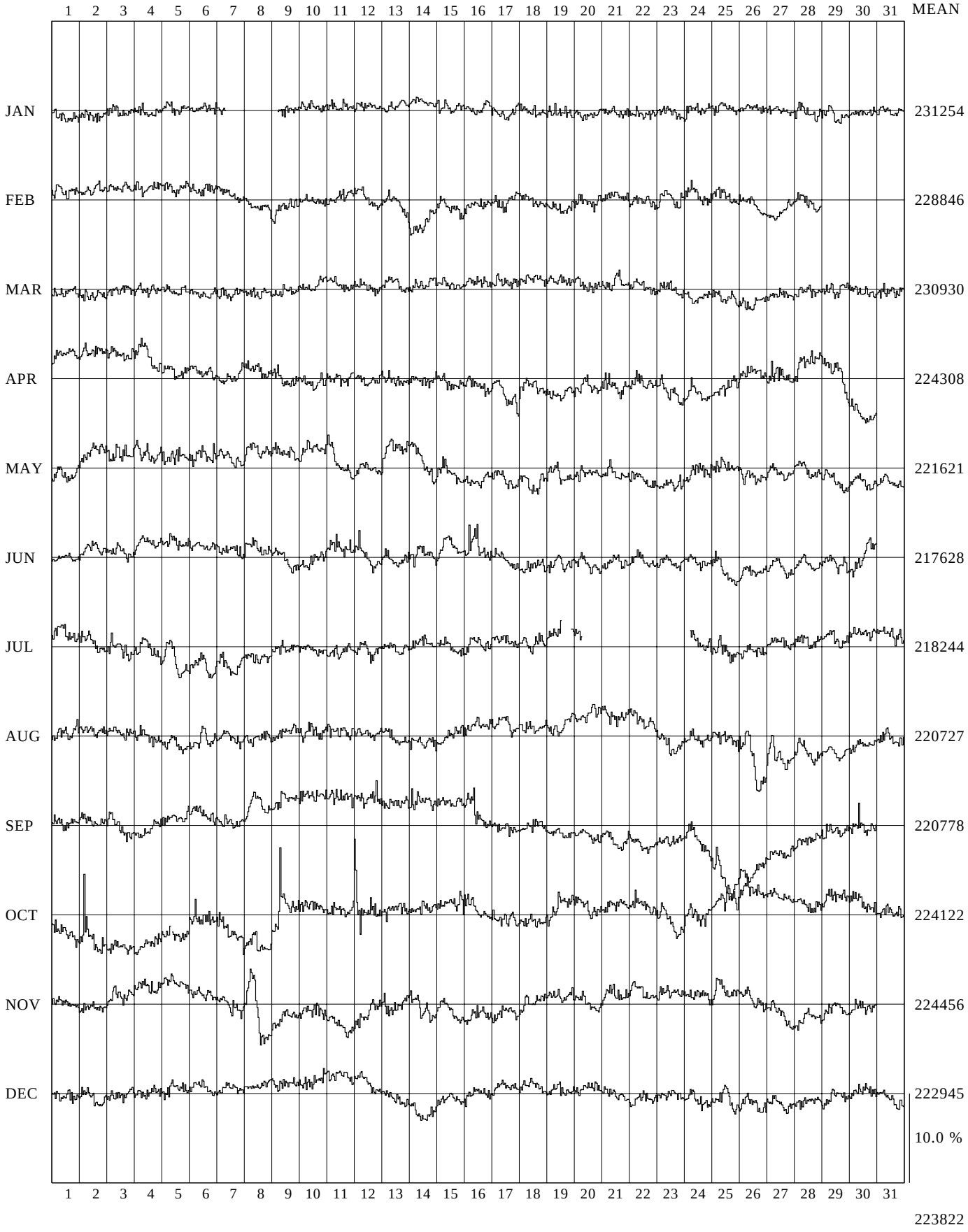ALMA A N64 PCSA 1998