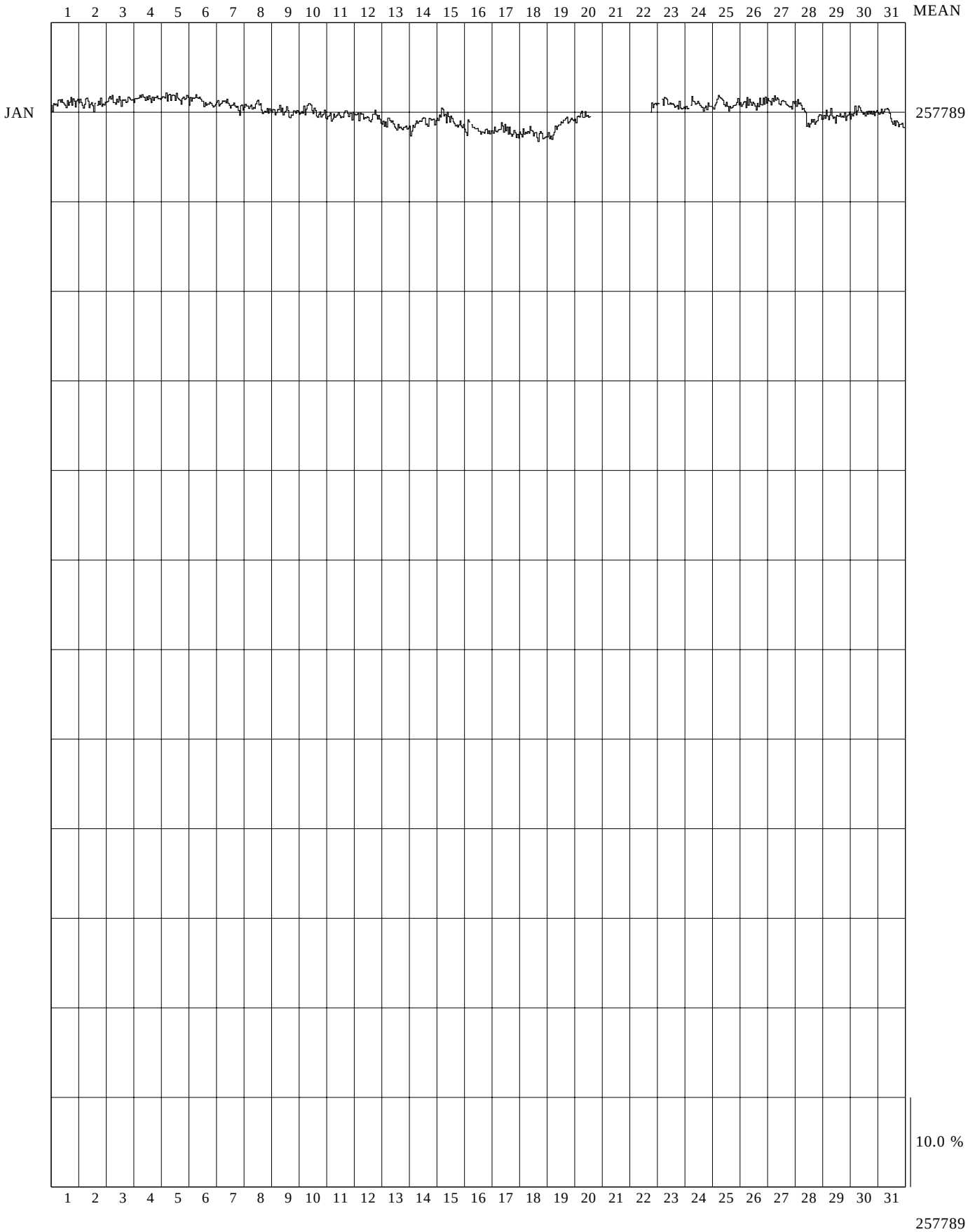ALMA_A N64 PCSA 2008