





write_range

do_PN_histo_addr <= '1';
histo_addr next <= to_unsigned[HISTO_BRAM_UPPER_LIMIT - 1,
PNL_BRAM_ADDR_SIZE_NB];
PNL_BRAM_we <= "1";
PNL_BRAM_din <= [PNL_BRAM_DBITS_WIDTH_NB-1 downto
HISTO_MAX_RANGE_NB => '0'] & dist_range;