

- char :: filename
 - integer(i4) :: fh ! The file handle
 - integer(i4) :: IO_comm ! The IO communicator
 - integer(i4) :: comp_comm ! The Compute communicator
 - integer(i4) :: num_iotasks ! total number of IO tasks
 - integer(i4) :: stride_iotasks ! stride between IO tasks
 - integer(i4) :: comp_rank ! the computational rank
 - integer(i4) :: io_rank ! the io rank if io_rank = -1 not an IO processor
 - integer(i4) :: iotype ! Type of IO to perform see parameter statement below
 - integer(i4) :: Info ! MPI-IO info structure
 - integer(kind=PIO_OFFSET) :: offset ! offset into file
 - logical(log_kind) :: IOproc ! .true. if an IO processor
- type pio_desc_type
 - logical(log_kind) :: UseRearranger ! .true. if data rearrangement is necessary
 - integer(i4) :: glen ! global length of array in words
 - integer(i4) :: RfileTYPE, WfileTYPE &! MPI data types for file
 - integer(i4) :: RelemTYPE, WelemType ! MPI data type for read/write operations
 - integer(i4) :: n_RelemTYPE, n_WelemTYPE ! number of Read/Write elem types to read/write
 - integer(i4) :: n_Rwords,n_Wwords ! number of words to read/write
 - type(pio_decomp_type),pointer:: IOmap ! IO decomposition map
 - type(pio_decomp_type),pointer:: COMPmap ! Computational decomposition map
 - integer(i4) :: lsize_comp ! local size of GSMap for comp layout
 - integer(i4) :: lsize_io ! local size of GSMap for IO layout
 - type(Rearranger?) :: rearr_comp_to_io ! mct rearranger comp->io
 - type(Rearranger?) :: rearr_io_to_comp ! mct rearranger io->comp