

H5TB_READ_FIELDS_NAME

[Expand all](#) [Collapse all](#)

- [Jump to ...](#)
- [Summary](#)
- [Description](#)
- [Example](#)
- [Switch language ...](#)
- [C](#)
- [C++](#)
- [FORTRAN](#)
- [JAVA](#)

[Summary](#)
[Description](#)
[Example](#)
[JAVA](#)
[FORTRAN](#)
[C++](#)
[C](#)

H5TB_READ_FIELDS_NAME

Reads one or several fields. The fields are identified by name

Procedure:

H5TB_READ_FIELDS_NAME (loc_id, table_name, field_names, start, nrecords, type_size, field_offset, dst_sizes, data)

Signature:

```
herr_t H5Tbread_fields_name ( hid_t loc_id, const char *table_name,  
                             const char * field_names, hsize_t start, hsize_t nrecords, size_t type_size, const size_t  
*field_offset,  
                             const size_t *dst_sizes, void *data )
```

```
subroutine h5tbread_field_name_f(loc_id, dset_name, field_name, start, &  
                               nrecords, type_size, buf, errcode)  
  
  implicit none  
  integer(HID_T), intent(IN) :: loc_id           ! file or group identifier  
  character(LEN=*), intent(IN) :: dset_name      ! name of the dataset  
  character(LEN=*), intent(IN) :: field_name    ! name of the field  
  integer(HSIZE_T), intent(IN) :: start         ! start record  
  integer(HSIZE_T), intent(IN) :: nrecords      ! records  
  integer(SIZE_T), intent(IN) :: type_size     ! type size  
  , intent(IN), dimension(*) :: buf           ! data buffer  
  integer :: errcode                          ! error code  
end subroutine h5tbread_field_name_f
```

Parameters:

| | |
|-----------------------------------|--|
| <i>hid_t</i> loc_id | IN: Identifier of the file or group to read the table within |
| <i>const char</i> *table_name | IN: The name of the dataset to read |
| <i>const char</i> *field_names | IN: An array containing the names of the fields to read |
| <i>hsize_t</i> start | IN: The start record to read from |
| <i>hsize_t</i> nrecords | IN: The number of records to read |
| <i>hsize_t</i> type_size | IN: The size in bytes of the structure associated with the table (This value is obtained with sizeof.) |
| <i>const size_t</i> *field_offset | IN: An array containing the offsets of the fields |
| <i>const size_t</i> *dst_sizes | IN: An array containing the size in bytes of the fields |
| <i>void</i> *data | OUT: Buffer with data |

Description:

H5TB_READ_FIELDS_NAME reads the fields identified by *field_names* from a dataset named *table_name* attached to the object specified by the identifier *loc_id*.

Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

Example:

```

hl / test / test_table.c [1185:1191] 1.10/master H5FFV/hdf5
start = 0;
nrecords = NRECORDS;

/* read an invalid field, should fail */
if ( H5TBread_fields_name(fid,"table10","DoesNotExist",start,nrecords,
    sizeof(float),0,field_sizes_pre,pressure_out) >=0)
    goto out;

```