VSQuerycount/vsqfnelt

intn VSQuerycount(int32 *vdata\_id*, int32 \**n\_records*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata access identifier returned by VSattach |
| n\_records | OUT: | Number of records in the vdata |
| Purpose | Retrieves the number of records in a vdata. | | |
| Return value | Returns SUCCEED (or 0) if successful and FAIL (or -1) otherwise. | | |
| Description | VSQuerycount retrieves the number of records in the vdata identified by *vdata\_id* in the parameter *n\_records*. | | |
| FORTRAN | integer function vsqfnelt(vdata\_id, n\_records) | | |
|  | integer vdata\_id, n\_records | | |

VSQueryfields/vsqfflds

intn VSQueryfields(int32 *vdata\_id*, char \**field\_name\_list*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata access identifier returned by VSattach |
| field\_name\_list | OUT: | List of field names |
| Purpose | Retrieves the names of the fields in a vdata. | | |
| Return value | Returns SUCCEED (or 0) if successful and FAIL (or -1) otherwise. | | |
| Description | VSQueryfields retrieves the names of the fields in the vdata identified by the parameter *vdata\_id* into the parameter *field\_name\_list*. | | |
|  | The parameter *field\_name\_list* is a comma-separated list of the fields in the vdata. (i.e., “PX,PY,PZ” in C and ’PX,PY,PZ’ in Fortran). | | |
| FORTRAN | integer function vsqfflds(vdata\_id, field\_name\_list) | | |
|  | integer vdata\_id | | |
|  | character\*(\*) field\_name\_list | | |

VSQueryinterlace/vsqfintr

intn VSQueryinterlace(int32 *vdata\_id*, int32 \**interlace\_mode*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata identifier returned by VSattach |
| interlace\_mode | OUT: | Interlace mode |
| Purpose | Retrieves the interlace mode of the vdata. | | |
| Return value | Returns SUCCEED (or 0) if successful and FAIL (or -1) otherwise. | | |
| Description | VSQueryinterlace retrieves the interlace mode of the vdata identified by the parameter *vdata\_id* into the parameter *interlace\_mode*. | | |
|  | Valid values for *interlace\_mode* are FULL\_INTERLACE (or 0) and NO\_INTERLACE (or 1). | | |
| FORTRAN | integer function vsqfintr(vdata\_id, interlace\_mode) | | |
|  | integer vdata\_id, interlace\_mode | | |

VSQueryname/vsqfname

intn VSQueryname(int32 *vdata\_id*, char \**vdata\_name*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata identifier returned by VSattach |
| vdata\_name | OUT: | Name of the vdata |
| Purpose | Retrieves the name of a vdata. | | |
| Return value | Returns SUCCEED (or 0) if successful and FAIL (or -1) otherwise. | | |
| Description | VSQueryname retrieves the name of the vdata identified by the parameter *vdata\_id* into the buffer *vdata\_name*.  The buffer *vdata\_name* should be set to at least VSNAMELENMAX bytes. VSNAMELENMAX is defined by the HDF library. | | |
| FORTRAN | integer function vsqfname(vdata\_id, vdata\_name) | | |
|  | integer vdata\_id | | |
|  | character\*(\*) vdata\_name | | |

VSQueryref/vsqref

int32 VSQueryref(int32 *vdata\_id*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata identifier returned by VSattach |
| Purpose | Returns the reference number of a vdata. | | |
| Return value | Returns the reference number of the vdata if successful and FAIL (or -1) otherwise. | | |
| Description | VSQueryref returns the reference number of the vdata identified by the parameter *vdata\_id*. | | |
| FORTRAN | integer function vsqref(vdata\_id) | | |
|  | integer vdata\_id | | |

VSQuerytag/vsqtag

int32 VSQuerytag(int32 *vdata\_id*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata identifier returned by VSattach |
| Purpose | Returns the tag of the specified vdata. | | |
| Return value | Returns the tag of the vdata if successful and FAIL (or -1) otherwise. | | |
| Description | Returns the tag of the vdata identified by the parameter *vdata\_id*. | | |
| FORTRAN | integer function vsqtag(vdata\_id) | | |
|  | integer vdata\_id | | |

VSQueryvsize/vsqfvsiz

intn VSQueryvsize(int32 *vdata\_id*, int32 \**vdata\_size*)

|  |  |  |
| --- | --- | --- |
| vdata\_id | IN: | Vdata identifier returned by VSattach |
| vdata\_size | OUT: | Size of the vdata record |
| Purpose | Retrieves the size of a record in a vdata. | | |
| Return value | Returns SUCCEED (or 0) if successful and FAIL (or -1) otherwise. | | |
| Description | VSQueryvsize retrieves the size, in bytes, of a record in the vdata identified by the parameter *vdata\_id* into the parameter *vdata\_size*. The returned size value is machine dependent. | | |
| FORTRAN | integer function vsqfvsiz(vdata\_id, vdata\_size) | | |
|  | integer vdata\_id, vdata\_size | | |