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*.

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
```