
Subject: Re: Multiple datasets

Posted by [Andi Walther](#) on Wed, 11 Mar 2009 02:28:21 GMT

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I would create a function

```
FUNCTION get_my_data,file, h5_variable_name
    file_ID = H5F_open(file)
    dataset_ID = h5d_open(file_ID, h5_variable_name)
    data_space = h5d_get_space(dataset_ID)
    result_space = h5s_create_simple ([100,100,30])
    ;([x,y,z]) = result_space
    vol_data=h5d_read(dataset_ID)
    ;vol_data=transpose(vol_data)
    vol_data = TRANSPOSE(vol_data, [1, 0, 2])
    vol_data = REVERSE(vol_data, 2)

    h5s_close, result_space
    h5s_close, data_space
    h5d_close , dataset_ID
    h5f_close, file_ID
```

```
return,vol_data
```

```
end
```

and then

```
IDL> dataset_name  = 'CAPPI'+STRTRIM(indgen(number_of_datasets),1)
IDL > for i=0,number_of_datasets -1 do dummy = execute
('vol_data'+dataset_name[i] + '= get_my_data('+dataset_name[i]+'') )
```

In this way you will have your data stored in arrays

"vol_data_CAPPI0" , etc.
