Subject: Re: template for READ ASCII

Posted by m.hadfield on Mon, 25 Jun 2001 02:23:35 GMT

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From: "Bob Fugate" <rqfugate@mindspring.com>

- > My question is, can I save the template somehow so I don't have to
- > regenerate it with ASCII_TEMPLATE each time I restart IDL and want to read
- > new tables? I realize I only have to run ASCII TEMPLATE once each session
- > but I would like to make this completely automatic and so I don't have to
- > manually go through the GUI each day. It is not a really big deal but I am
- > getting greedy.

The template is an IDL structure. You can save it to disk with SAVE and restore it with RESTORE.

Here's how I would do it:

```
function read myfile, file
  common myblock, template
  if n elements(template) eq 0 then begin
    template_file = <specify your template file name here>
    case file test(template file, /READ) of
       0: begin
         template = ascii template(file)
         save, FILENAME=template_file
       end
       1: restore, FILENAME=template file
  endif
  return, read ascii(file, TEMPLATE=template)
end
Mark Hadfield
m.hadfield@niwa.cri.nz http://katipo.niwa.cri.nz/~hadfield
National Institute for Water and Atmospheric Research
```

Posted from clam.niwa.cri.nz [202.36.29.1] via Mailgate.ORG Server - http://www.Mailgate.ORG

Subject: Re: template for READ ASCII Posted by Bob Fugate on Mon, 25 Jun 2001 03:59:55 GMT

```
Mark.
```

Thanks. Only change I had to make was adding an "endcase" before the "endif" ... without it I got the "end of file before end or program" error.

It works great. I just didn't know how to save a structure. Now I do. This is an incredible group --- answers to your problems while you wait. Bob

- > From: m.hadfield@niwa.cri.nz (Mark Hadfield)
- > Organization: Mailgate.ORG Server http://www.Mailgate.ORG
- > Newsgroups: comp.lang.idl-pvwave
- > Date: Mon, 25 Jun 2001 02:23:35 +0000 (UTC)
- > Subject: Re: template for READ_ASCII

- > From: "Bob Fugate" <rqfugate@mindspring.com>

>

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- > The template is an IDL structure. You can save it to disk with SAVE and
- > restore it with RESTORE.

> Here's how I would do it:

- > function read myfile, file
- > common myblock, template
- > if n_elements(template) eq 0 then begin
- > template file = <specify your template file name here>
- > case file test(template file, /READ) of
- > 0: begin
- > template = ascii_template(file)
- > save, FILENAME=template_file
- > end
- > 1: restore, FILENAME=template_file
- > return, read ascii(file, TEMPLATE=template)
- > end

- > Mark Hadfield
- > m.hadfield@niwa.cri.nz http://katipo.niwa.cri.nz/~hadfield
- > National Institute for Water and Atmospheric Research

> > >

- > Posted from clam.niwa.cri.nz [202.36.29.1]
- > via Mailgate.ORG Server http://www.Mailgate.ORG

Subject: Re: template for READ_ASCII

Posted by m.hadfield on Mon, 25 Jun 2001 05:36:48 GMT

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From: "Bob Fugate" <rqfugate@mindspring.com>

- > Thanks. Only change I had to make was adding an "endcase"
- > before the "endif" ... without it I got the "end of file before
- > end or program" error.

Well I did say "This is how I would do it". And using "endif" where I meant "endcase" is something I do frequently!

Mark Hadfield m.hadfield@niwa.cri.nz http://katipo.niwa.cri.nz/~hadfield National Institute for Water and Atmospheric Research

Posted from clam.niwa.cri.nz [202.36.29.1] via Mailgate.ORG Server - http://www.Mailgate.ORG