Subject: Re: Reading formatted input with READS
Posted by Markus Schmassmann on Thu, 01 Sep 2016 08:55:22 GMT
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On 09/01/2016 05:27 AM, Stefano Garcia wrote:
> This is my first post so please let me know if I posted it in the
> wrong place.
>
> My problem is purely that I am not yet familiarized with the IDL
> formats. I would like to use READS to read what is in between the
> square brackets below:
>
> %M.z 20.37 [~] D 2011A&A...527A..78F
> %M.z 20.37 [0.12] D 2011A&A...527A..78F
>
> So, there is two cases, one when it is a STRING and the other, when
> it is a FLOAT.
>
> Is there a way to read that?
Hallo Stefano, welcome

one way to read the string is the following:

```
 str=strMid(string,strPos(string,'[')+1,strPos(string,']')-st rPos(string,'[')-1)
 fltRegEx='^[-+]?(([0-9]*\.?[0-9]+([ed][-+]?[0-9]+)?)|(inf)|( nan))$'
isFloat=stRegEx(str,fltRegEx,/boolean,/fold_case)
if isFloat then out=float(str) else out=str
```

if you want to do it with READS, you should first figure out which terms
in your table have a fixed with, this will simplify considerably coming
up with a correct format code. For details on these, see:

http://www.harrisgeospatial.com/docs/format_codes.html

Markus