Subject: Re: IDL array subscripting issue
Posted by Paul Van Delst[1] on Thu, 12 Feb 2015 18:26:16 GMT

View Forum Message <> Reply to Message

On 02/12/15 12:29, Fabien wrote:
> On 12.02.2015 18:22, David B wrote:
>> ==============================
>>
>> IDL> a = INDGEN(10)
>> IDL> b = [0,10]
>> IDL> print, a[b]
>>   0   9
>> IDL> b = [0,9]
>> IDL> print, a[b]
>>   0   9
>>
>> ==============================
>> Why?!
>
> This is a strange but documented feature of IDL:
>
> http://www.exelisvis.de/docs/Using_Arrays_as_Array_Su.html
>
> See "Array Subscripts and Clipping".
>
> Depending on what you want, this is a feature of a bug. I learned to
> like it as a feature, personally.

I really like the use of negative indices to reference from the end of
the array. The above url has the following "note" in the section about
clipping:

<quote>
Note: Because of the confusion between the clipping of array subscripts
and the use of negative indices (see the next section), it is best to
avoid using code that relies on this clipping behavior.
</quote>

Just sayin'. Not judging.

cheers,

paulv