Subject: Re: Summer "English" heat or just me: Array slicing
Posted by Fabzi on Wed, 24 Jul 2013 13:57:27 GMT
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On 07/24/2013 03:46 PM, David Fanning wrote:
> I would if I understood it. :-(

This is what you said 14 years ago ;-)

I think I understood this part:

;-Quoting Henry Chapman----------

There are two behaviours you may want when you try result = array[x, y,..., z], and x, y, ..., z are 1-d arrays:

1. return a 1-d array with result[i] = array[x[i], y[i],..., z[i]]
2. return a 2-d array with result[i, j,..., k] = array[x[i], y[j],...,z[k]]

IDL does (1), which requires x, y,...,z all have the same length. However, IDL does (2) if one of the dimensions is a subscript range. Since a single number is a subscript range, it will do (2) in that case. And since 0, written in as an extra dimension is also a subscript range, IDL will use behaviour (2)
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I must admit that I am only really rarely confronted to cases where I can use this, but it is good to know...