Subject: Summer "English" heat or just me: Array slicing
Posted by ameigs on Tue, 23 Jul 2013 15:51:10 GMT

I'm betting this is too easy, but having been away from my work computer for several weeks I think dementia has set in:

Here's a simple array:
IDL> a = [[1,2,3,4,5,6],[7,8,9,10,11,12]]
IDL> help, a
A   INT   = Array[6, 2]
IDL> print, a
      1   2   3   4   5   6
      7   8   9   10   11   12

I want to get just the indices of dim 0 and dim 1 I need from a list of indices. So I tried this:
IDL> print, a[[0,3,5],[0]]
% All array subscripts must be same size. Var = A

But this works
IDL> print, a[[0,3,5],0]
      1   4   6
IDL> print, a[[0,3,5],1]
      7   10   12
IDL>
IDL> print, a[[0,3,5],0:1]
      1   4   6
      7   10   12
IDL>
And this does not:
IDL> print, a[[0,3,5],[0,1]]
% All array subscripts must be same size. Var = A
% Execution halted at: $MAIN$

What have I forgotten?

Andy