On Thursday, December 4, 2014 12:45:26 PM UTC+1, g.na...@gmail.com wrote:
> dimension keyword is not allowed in call to mean.
>
> I tried the b = mean(a[0:9,*,*]) but I end up with a single value which is not what I need.

```
IDL> a = findgen(100,200,200)
IDL> b = mean(a[0:9,*,*], dimension=1)
IDL> help, b
B          FLOAT    = Array[200, 200]
IDL> !version
{
   "ARCH": "x86_64",
   "OS": "Win32",
   "OS_FAMILY": "Windows",
   "OS_NAME": "MicrosoftWindows",
   "RELEASE": "8.4",
   "BUILD_DATE": "Sep272014",
   "MEMORY_BITS": 64,
   "FILE_OFFSET_BITS": 64
}
```

I guess you don't have the latest version of IDL.
Well, calculating the mean is not that difficult:

b = total(a[0:9,*,*], 1)/10.0

Cheers,
Helder