
Subject: 2D to 3D Array

Posted by [rafaloos](#) on Fri, 07 Apr 2006 20:00:31 GMT

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I have a Band Interleaved Image (BIL):

samples = 300

lines = 316

bands = 481

I can read this image as a 2D array of (144300, 316) Where 144300 will be the product of samples by bands.

I would like to reformat the image so that I can put the data into an array such as (300, 316, 481).

For example: I have this array (6,2)

```
array[*,0] = [1, 2, 1, 2, 1, 2]
```

```
array[*,1] = [3, 4, 3, 4, 3, 4]
```

What I want is a result as:

```
array[*,*,0] = 1, 2  
              3, 4
```

```
array[*,*,1] = 1, 2  
              3, 4
```

```
array[*,*,2] = 1, 2  
              3, 4
```

so that my array will be (2,2,3)

Thank you,
Rafael
