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Subject: Re: Reading individual bits of MODIS BRDF quality files

Posted by [pgrigis](#) on Fri, 18 Sep 2009 13:25:44 GMT

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On Sep 18, 5:54 am, emitchard <emitch...@googlemail.com> wrote:

[skip]

> Is there a function in IDL that can read individual bits, or any other  
> clever way to produce an array of 1s and 0s from a 32-bit integer?

For the record (in case somebody needs that):

```
IDL> x=2LL^45+2LL^35+2LL^32+2LL^31+2LL^25+2LL^15+2LL^5-1 & print,x  
35225207865375
```

```
;get only 32 bits
```

```
IDL> a=string(ulong(x),format='(B)') & print,a  
100000100000000001000000000011111
```

```
;get all bits
```

```
IDL> a=string(x,format='(B)') & print,a  
1000000000100110000010000000001000000000011111
```

Ciao,  
Paolo

>  
> Many thanks for your help,  
>  
> Edward Mitchard

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