
Subject: Orthorectifying Quickbird scenes with RPC files
Posted by [Muhammad](#) on Thu, 25 Jun 2009 11:46:00 GMT
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Hi All:

How can I orthorectify Quickbird scenes with only .rpb files provided using ENVI. Quickbird scene is in geotiff format.

Regards,

Arshad

Subject: Re: OR
Posted by [Michael Galloy](#) on Mon, 03 May 2010 22:04:09 GMT
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On 5/3/10 3:55 PM, fgg wrote:

```
> Hello there,  
>  
> How can I summarize these two lines in just one line of code?  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 4002) then message,  
> $  
> 'The # of samples per shot is not valid.'  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 10882) then message,  
> $  
> 'The # of samples per shot is not valid.'  
>  
> ...I thought using OR would do the trick, but I guess I'm missing  
> something here:  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne (4002 or 10882))  
> then message, ...  
>  
> Thanks
```

Using the bitwise operators, it would be:

```
if (line[0] eq 'i_rng_wf' and (n_elements(line) ne 4002 or  
n_elements(line) ne 10882) then ...
```

I would consider using logical operators if you only have to be IDL 6.0+ compatible:

```
if (line[0] eq 'i_rng_wf' && (n_elements(line) ne 4002 ||  
n_elements(line) ne 10882) then ...
```

The logical operators will short-circuit.

-Mike

--

www.michaelgalloy.com
Research Mathematician
Tech-X Corporation

Subject: Re: OR

Posted by [jeanh](#) on Mon, 03 May 2010 23:06:23 GMT

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On 03/05/2010 5:55 PM, fgg wrote:

```
> Hello there,  
>  
> How can I summarize these two lines in just one line of code?  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 4002) then message,  
> $  
> 'The # of samples per shot is not valid.'  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 10882) then message,  
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> ...I thought using OR would do the trick, but I guess I'm missing  
> something here:  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne (4002 or 10882))  
> then message, ...  
>  
> Thanks
```

Don't you want to use "and" here (on top of what Mike Galloy said to have the "or" working)?

If n_elements(line) IS 4002, the the other condition (10882) will be caught!... in other words, you will always have your error message.

```
a = 8
```

```
if (a ne 1 or a ne 8) then print, "error" ==>error
```

```
if (a ne 1 and a ne 8) then print, "error" ==> nothing.
```

```
a=100
```

```
if (a ne 1 or a ne 8) then print, "error" ==>error
```

```
if (a ne 1 and a ne 8) then print, "error" ==> error.
```

Jean
