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Subject: mercator map projection limits

Posted by [Jens Redemann](#) on Fri, 18 Sep 1998 07:00:00 GMT

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Hi everybody,

one of these days I promise to ask an intelligent question.  
Until then:

Why is the first one of the following two statements perfectly fine while the second one gives arithmetic errors and no map whatsoever?

1:

```
map_set, 37, -73, /mercator, /hires, /grid, limit = [34, -77, 40, -71], $  
    label = 2
```

2:

```
map_set, 37, -73, /mercator, /hires, /grid, limit = [35, -75, 39, -71], $  
    label = 2
```

What are the limitations of the mercator projections?

Thanks,

Jens Redemann

P.S.: BTW, the performance of the two statements is independent of the lat,0 and long,0 (e.g., the 37 and -73 respectively in my example).

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