

---

Subject: Re: Finding pixel values of NETCDF image based on lat/lon  
Posted by [Fabzi](#) on Wed, 23 Jul 2014 06:44:18 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On 23.07.2014 08:04, Marta Yebra wrote:

> Do I need to convert the NETCDF to GEOTIFF?

No!

In your example you write:

```
> sites = my_data.Name_site  
> Lat_sites=my_data.Lat  
> Lon_sites=my_data.Lon  
> find_lon=where(Lon EQ Lon_sites, countlon)  
> find_lat=where(Lat EQ Lat_sites, countLat)
```

There are two problems here:

- the EQ operator does not work when the arrays are of different length
- as you point out, where() cannot work since what you really need is the coordinates of the nearest grid point

For this, several options are available, depending on what you want to do (interpolate the gridded data to your point? Take the nearest grid point) and depending on whether or not the lon/lat grid in your netcdf file is regular or not...

---