test

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In [1]:
```
import netCDF4 as nc
import matplotlib.pyplot as plt
path = '/Users/ekh011/Downloads/amsr2File_201811120311.nc'

netcdf_file = nc.Dataset(path)

print netcdf_file.variables.keys()
```

```
[u'time', u'yc', u'xc', u'lat', u'lon', u'crs', u'ct_n90_OSISAF_corrNASA_wWF', u'tb85v', u'tb85
```

In [2]:
```
# latitude and longitude
lat = netcdf_file['lat']
lon = netcdf_file['lon']

# brightness temperature at 85GHz
tb85v = netcdf_file['tb85v']
tb85h = netcdf_file['tb85h']
```

In [3]:
```
print ('%s : %s' % ('shape Lat : ', lat.shape))
print ('%s : %s' % ('shape Lon : ', lat.shape))
print ('%s : %s' % ('shape tb85v : ', tb85v.shape))
print ('%s : %s' % ('shape tb85h : ', tb85h.shape))
```

```
shape Lat :  : (2000, 2500)
shape Lon :  : (2000, 2500)
shape tb85v :  : (1, 2000, 2500)
shape tb85h :  : (1, 2000, 2500)
```

In [4]:
```
plt.figure(figsize=(10,10))
plt.imshow(tb85h[0])
plt.axis('off')
plt.show()
```