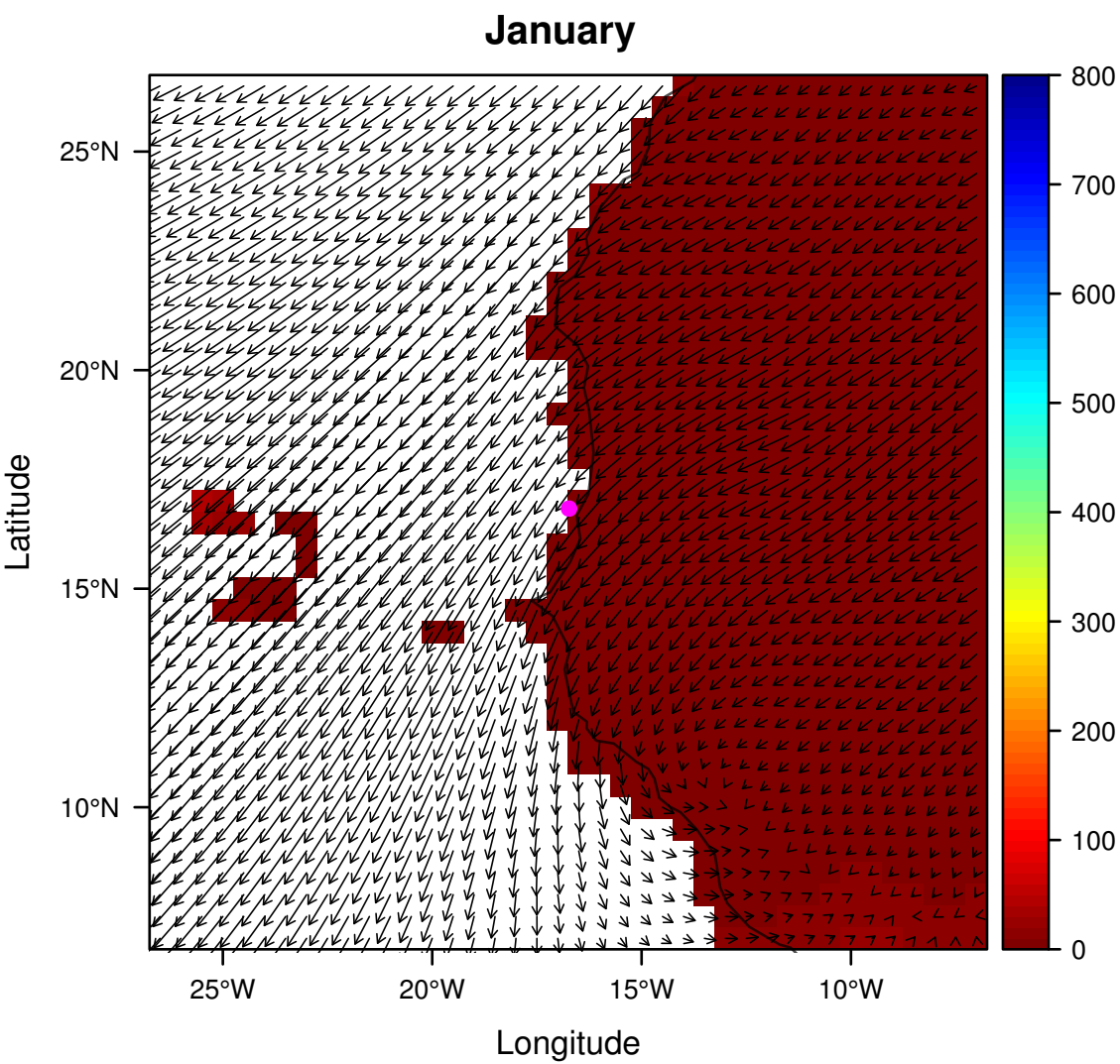
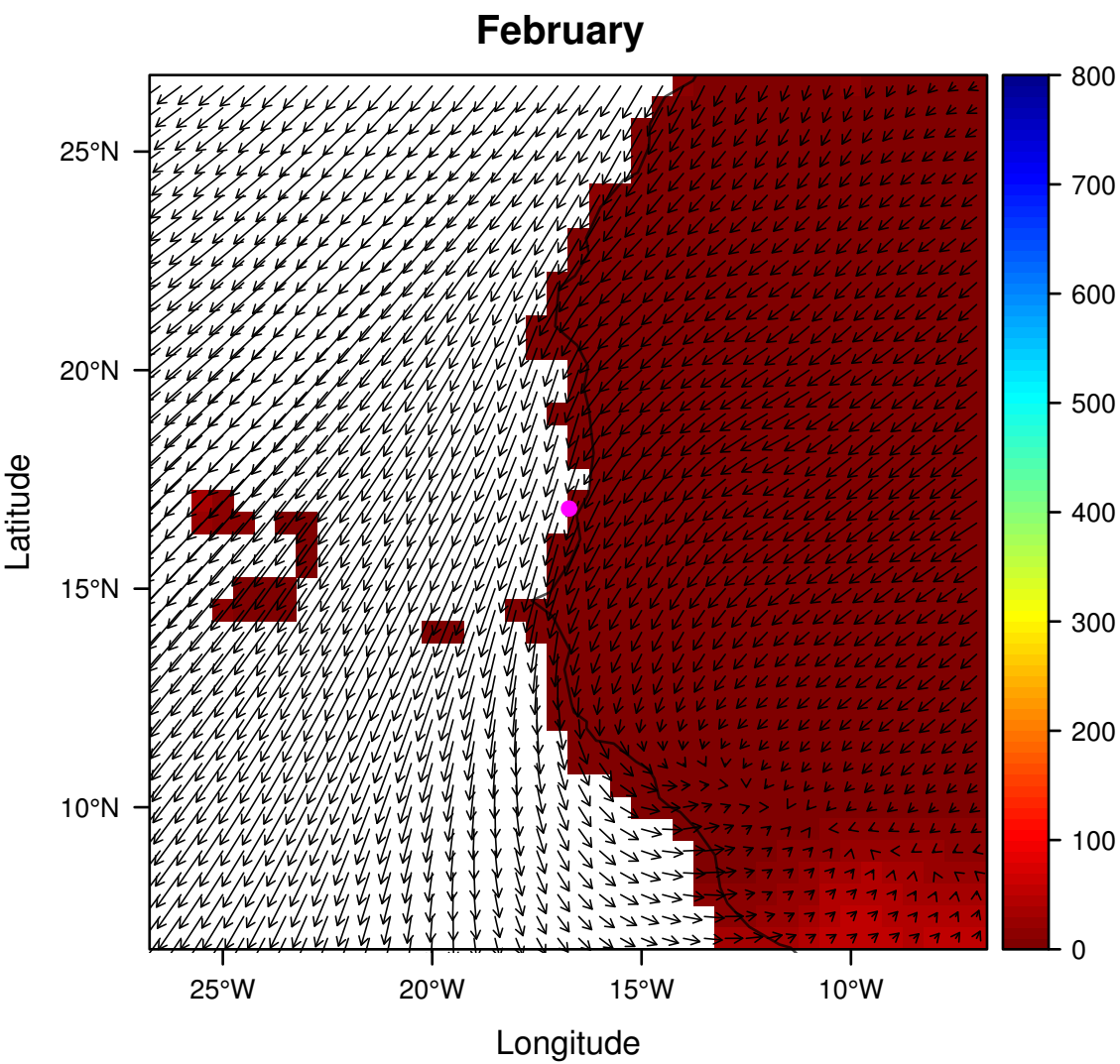
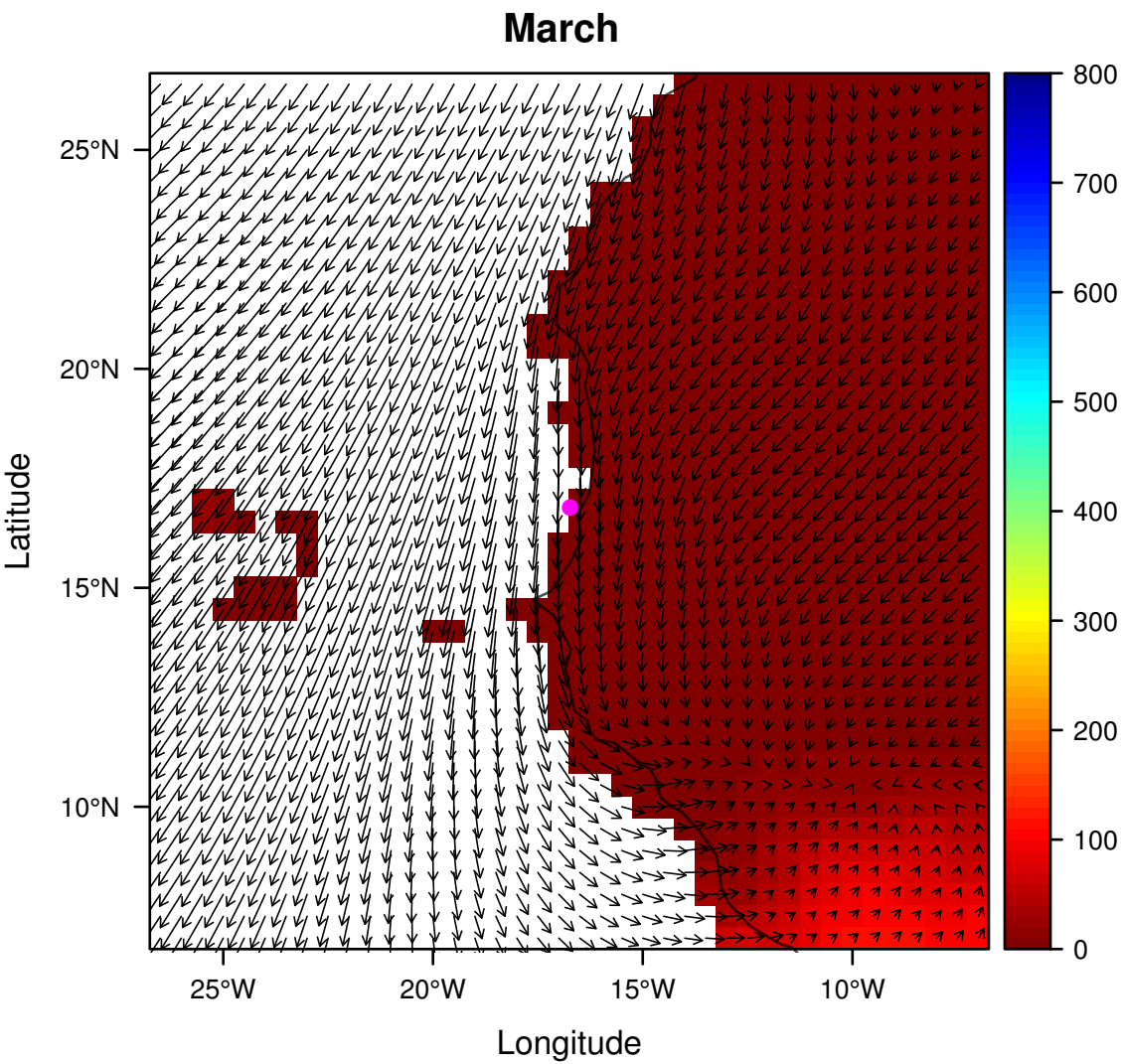
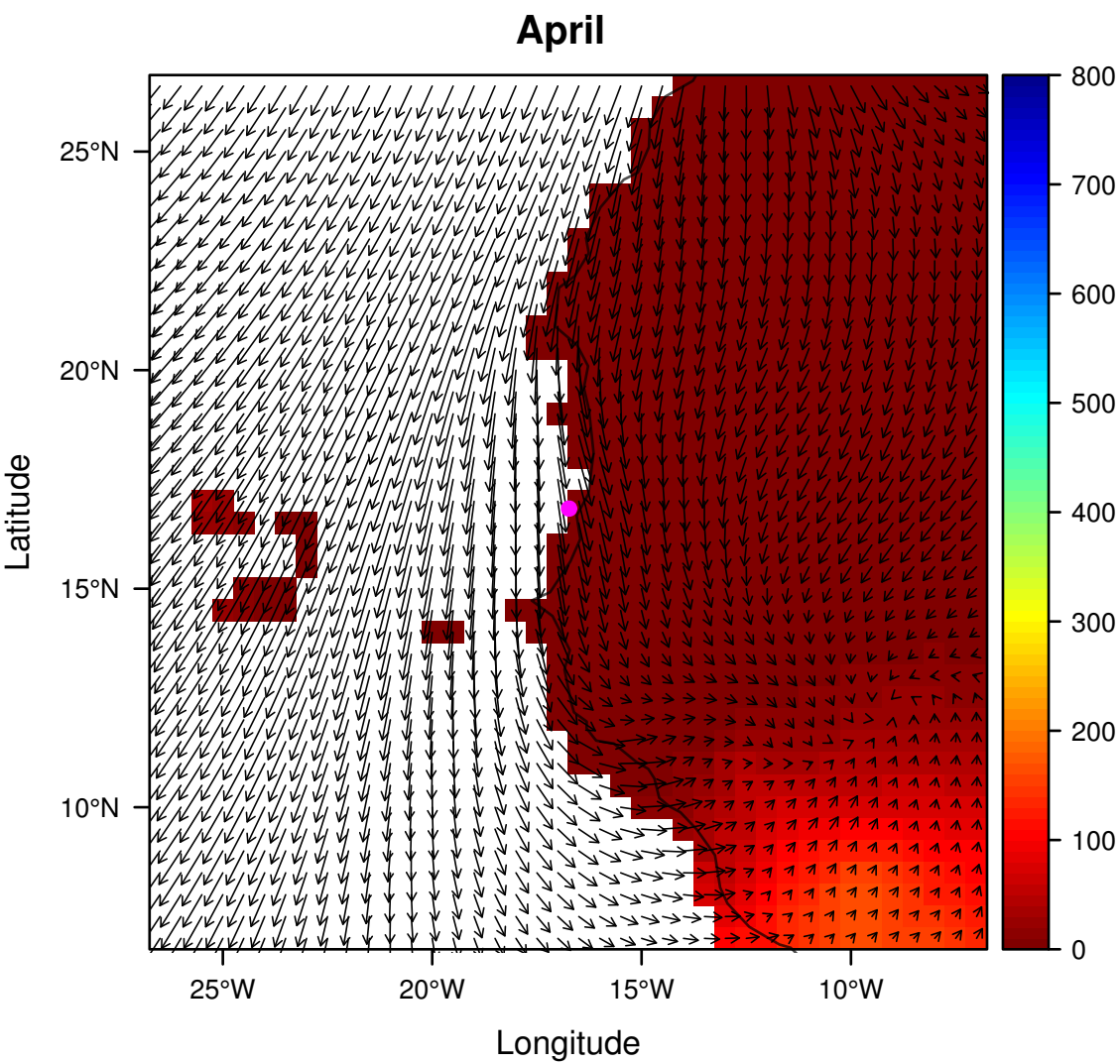
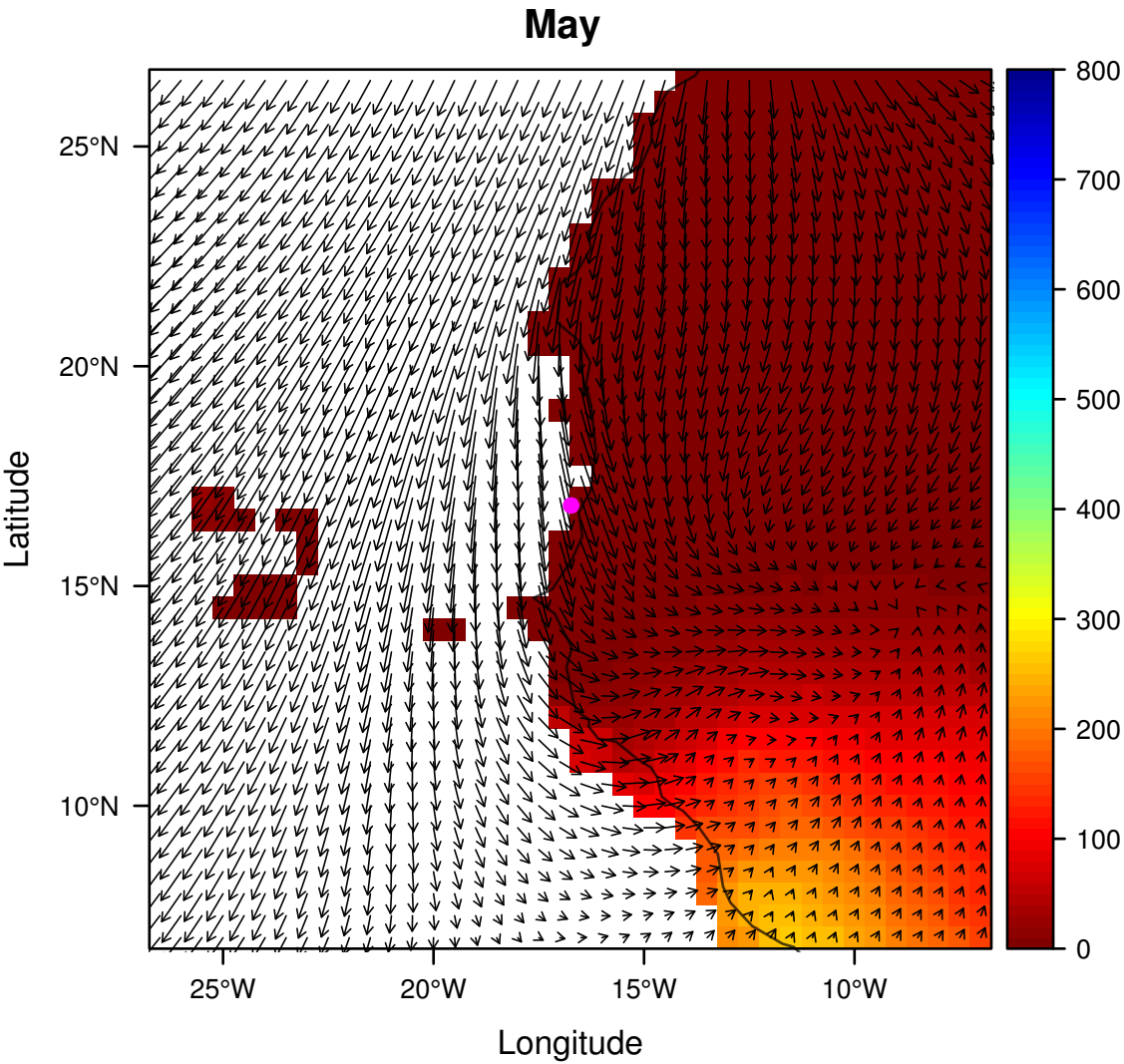
Supplementary Figure 1: Mean monthly wind direction (arrows) plotted with mean monthly precipitation (colored; mm) as derived from the CRU TS3.22 dataset (Harris et al., 2014; New et al., 1999). Pink dot indicates position of marine core GeoB9501-4.

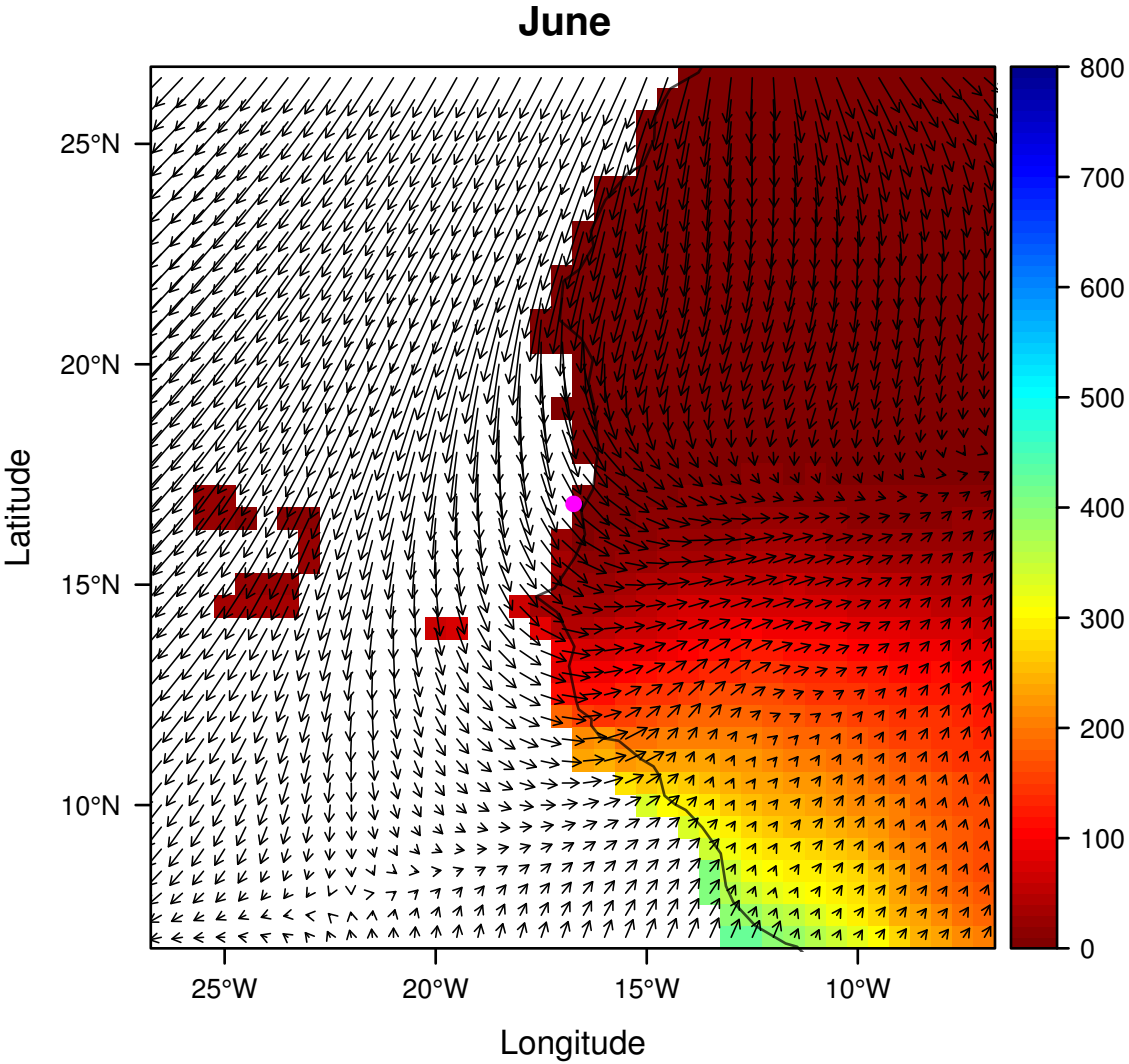

January
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

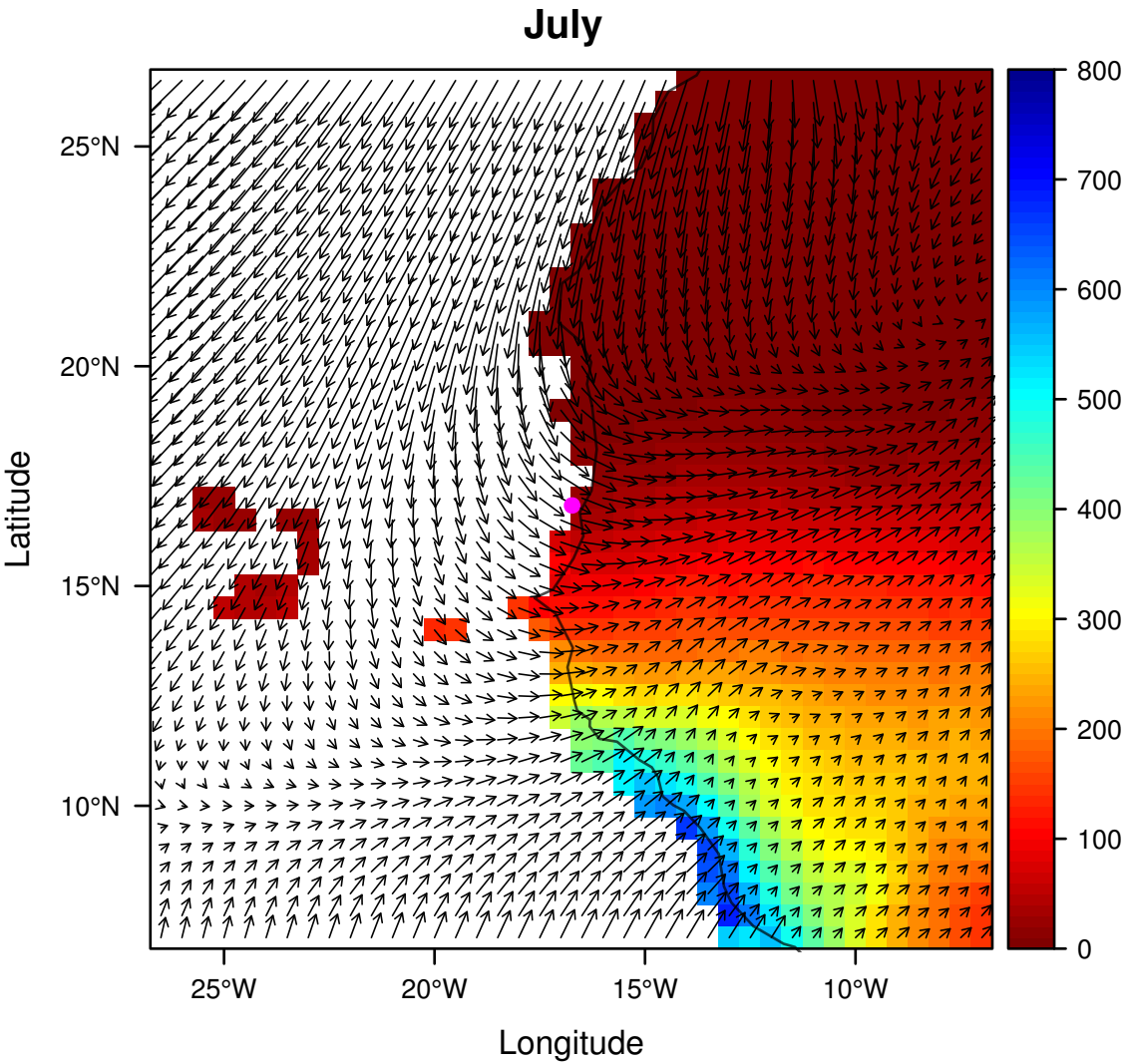

February
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

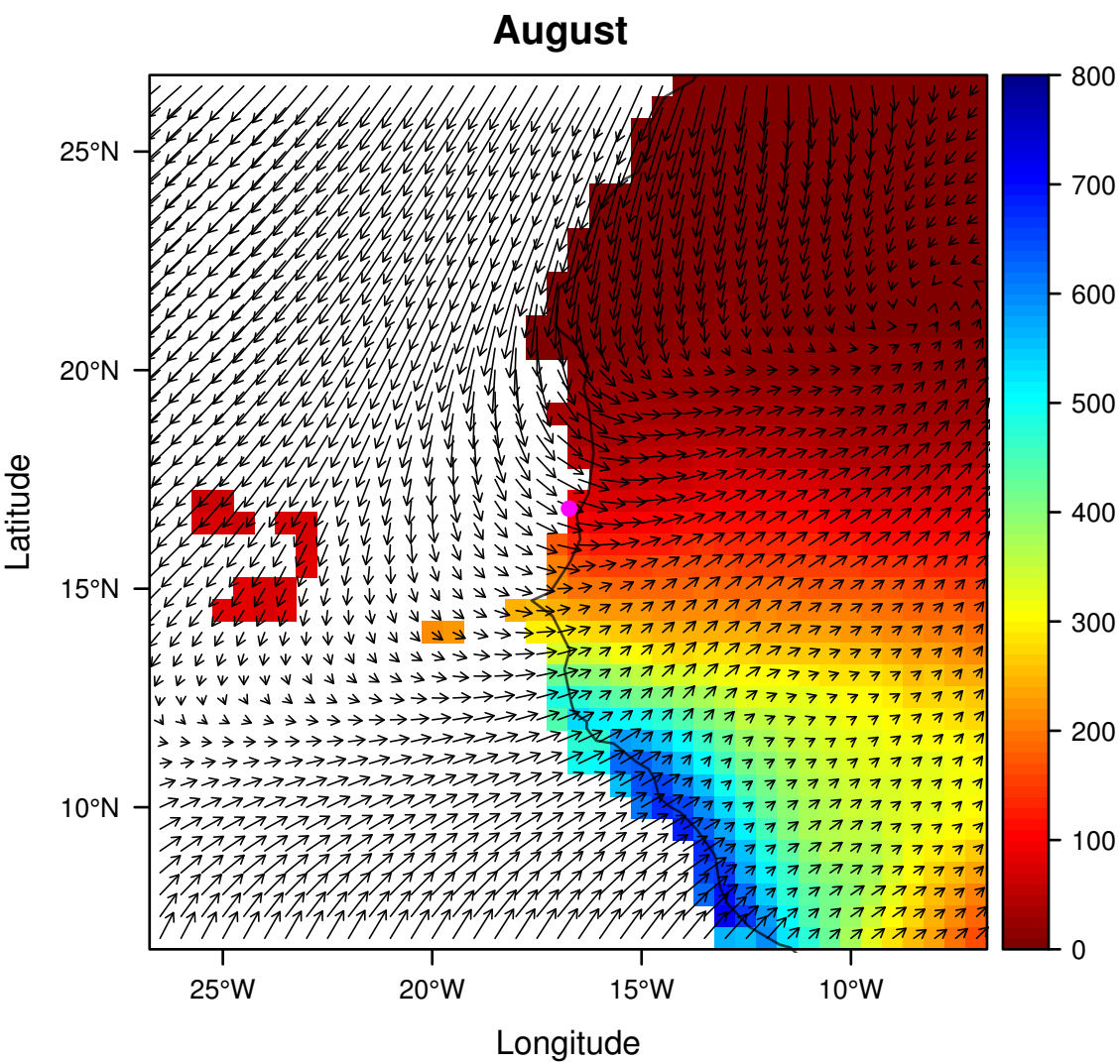

March
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

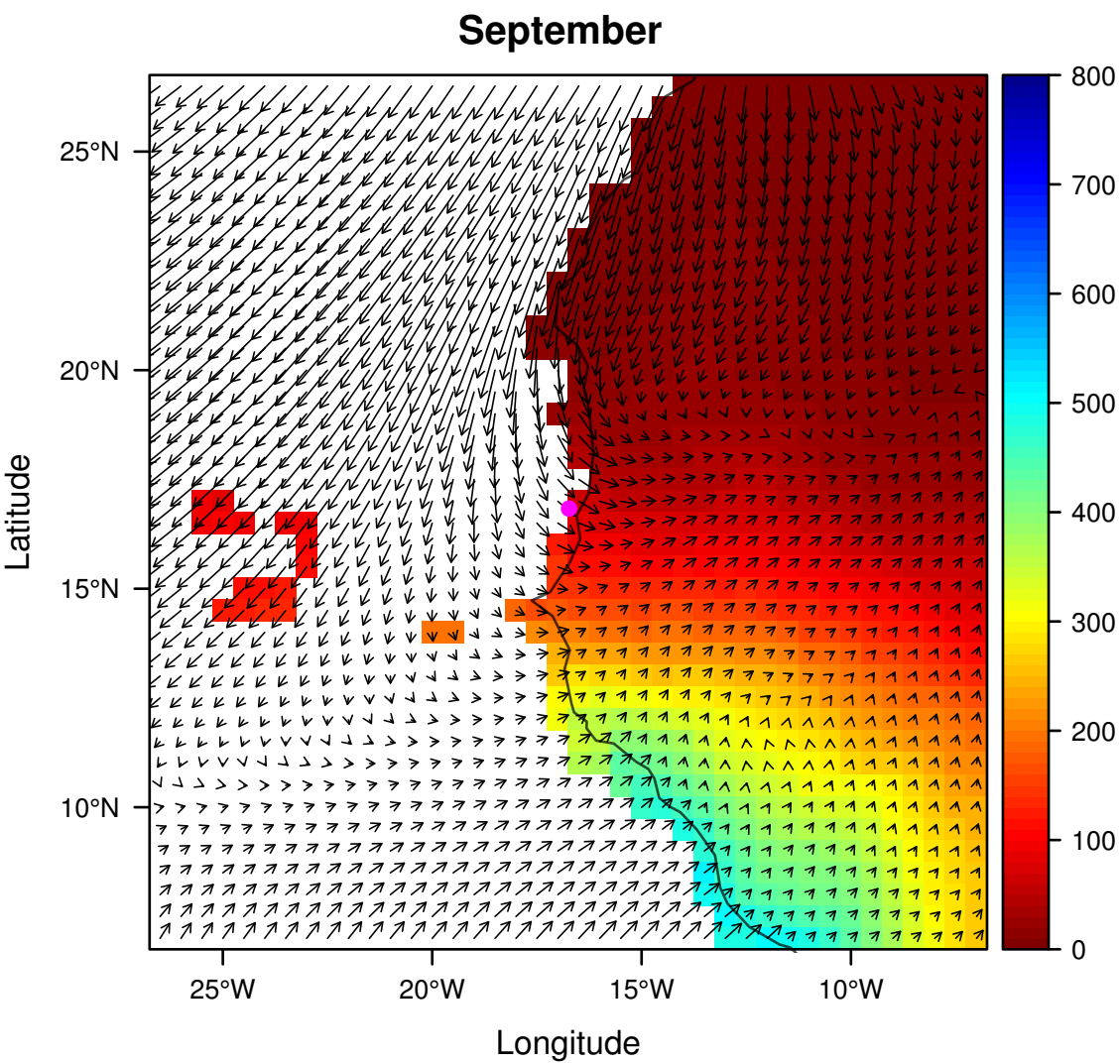

April
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

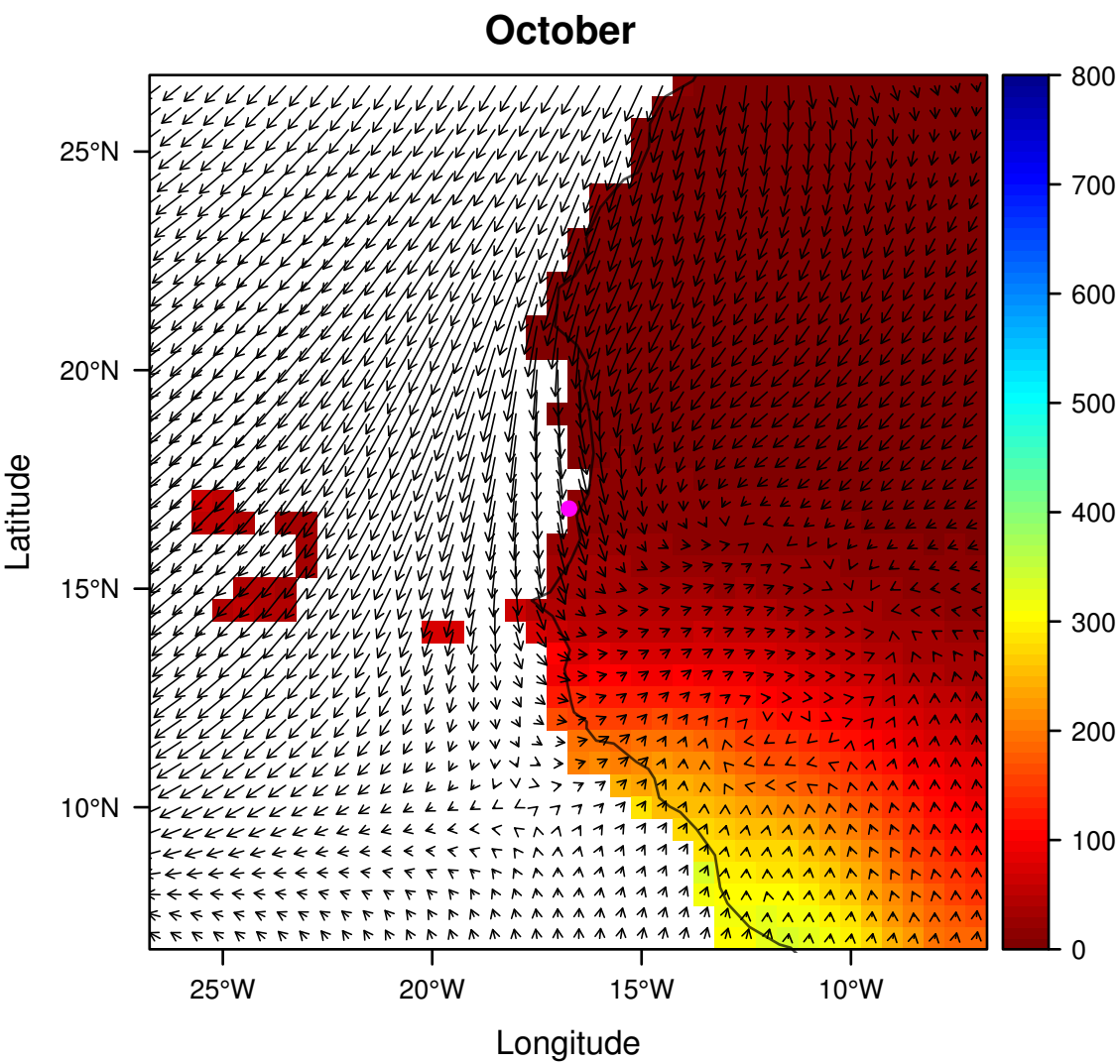

May
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

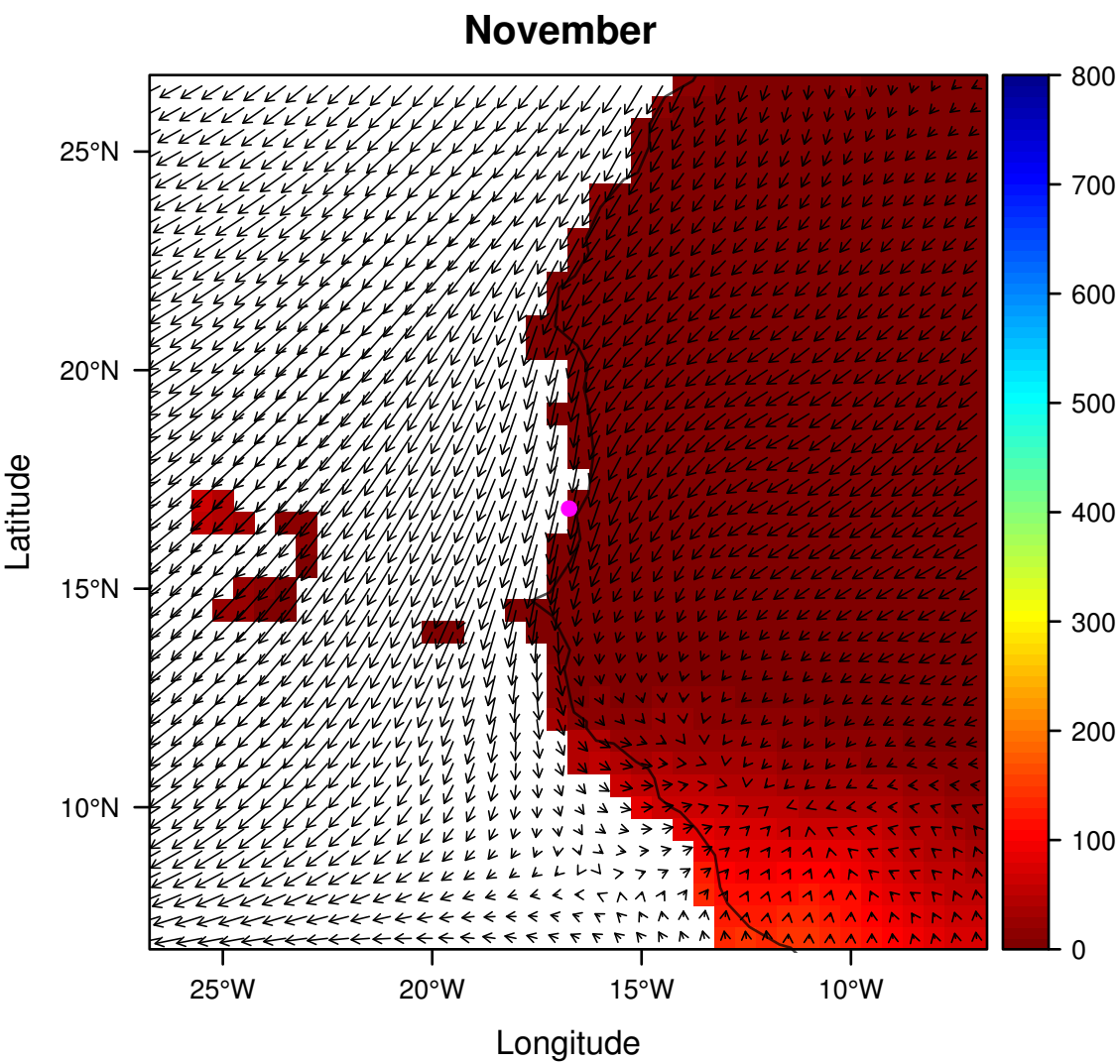

June
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0

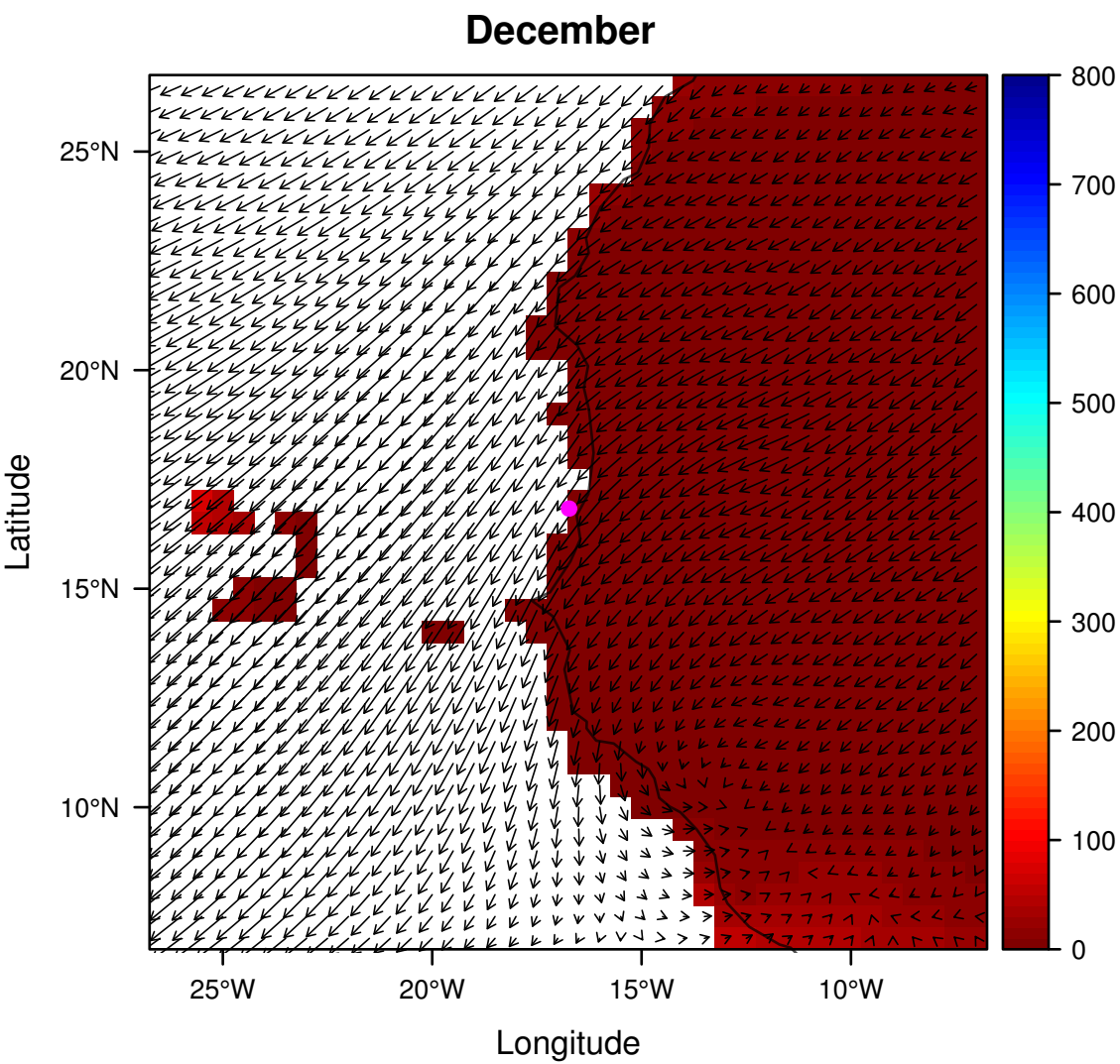

July
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0


August
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0


September
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0


October
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0


November
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0


December
25°N
20°N
15°N
10°N
Latitude
25°W
20°W
15°W
10°W
Longitude
800
700
600
500
400
300
200
100
0