Oceania Region Buoy Report

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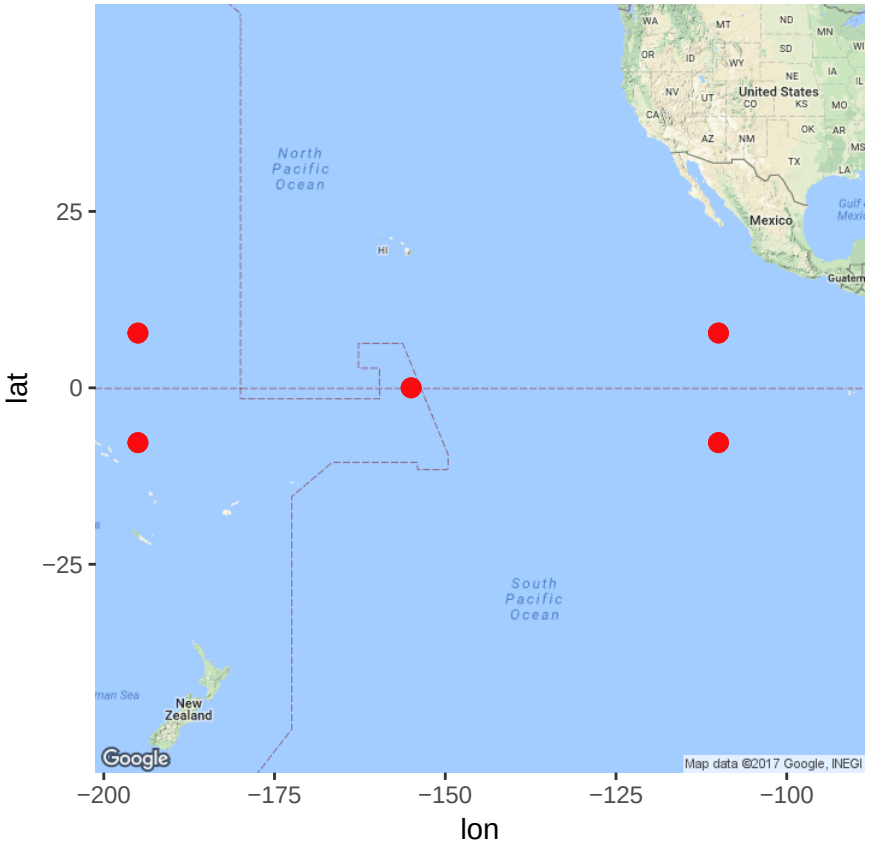
Map

```
## Loading required package: ggplot2
## Warning: bounding box given to google - spatial extent only approximate.
## converting bounding box to center/zoom specification. (experimental)
## Map from URL : http://maps.googleapis.com/maps/api/staticmap?center=0,-145&zoom=3&size=640x640&scale=
```




```
## Warning: 4 failed to parse.
## Warning: NAs introduced by coercion
```

Summary of 5 buoys data

```
##
## Attaching package: 'data.table'
## The following objects are masked from 'package:lubridate':
##
##     hour, isoweek, mday, minute, month, quarter, second, wday,
```

```
##     week, yday, year
## The following objects are masked from 'package:dplyr':
##
##     between, first, last
```

Table 1: Sea Surface Tempurature

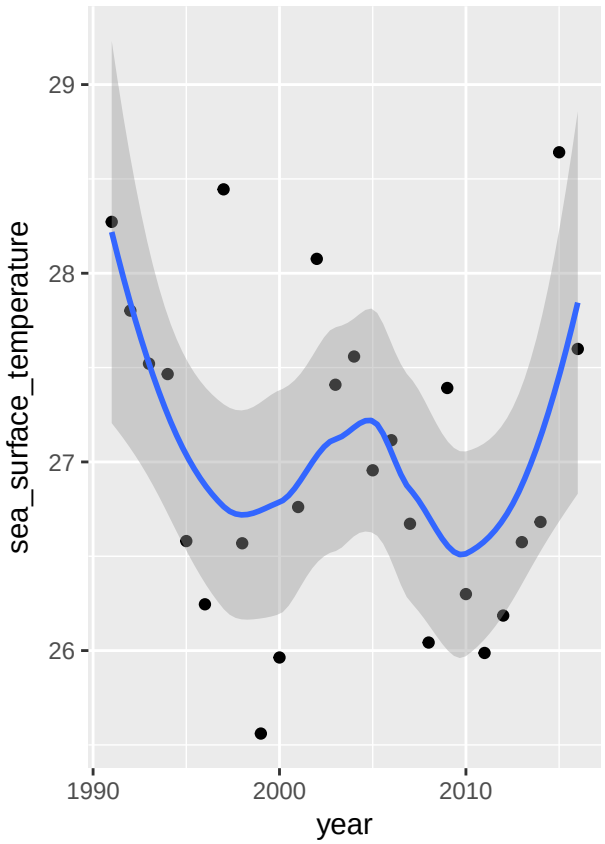
Buoy	Minimum	Median	Average	Maximum
N0W155	22.82	27.07	27.05032	30.666
S8E165	27.40	29.55	29.51785	31.234
N8E165	26.61	28.88	28.91582	30.880
N8W110	25.47	27.84	27.91545	30.294
S8W110	22.44	25.66	25.69386	29.220

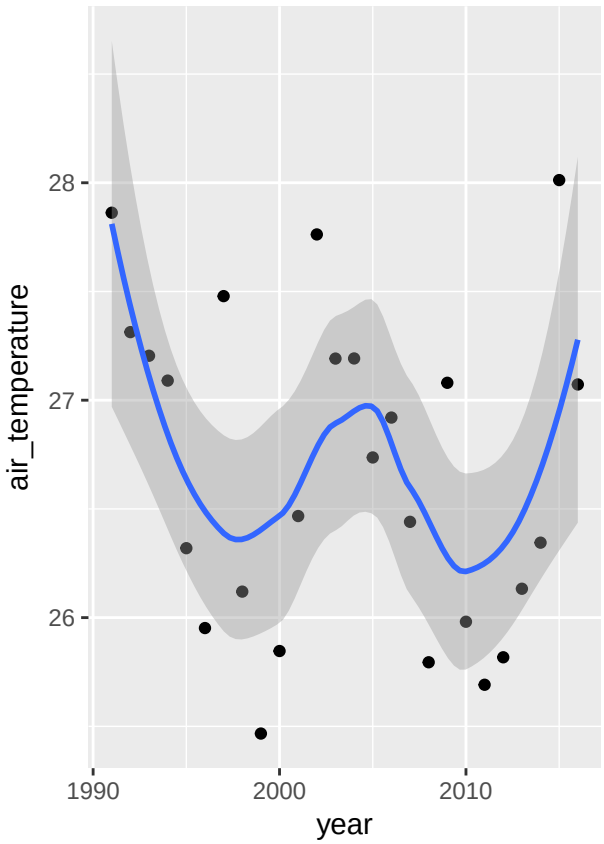
Table 2: Air Tempurature

Buoy	Minimum	Median	Average	Maximum
N0W155	22.86	26.79	26.70227	29.97
S8E165	25.24	28.45	28.40675	31.21
N8E165	0.08	28.08	28.03658	29.66
N8W110	22.98	26.79	26.80862	30.07
S8W110	22.37	25.20	25.25584	28.67

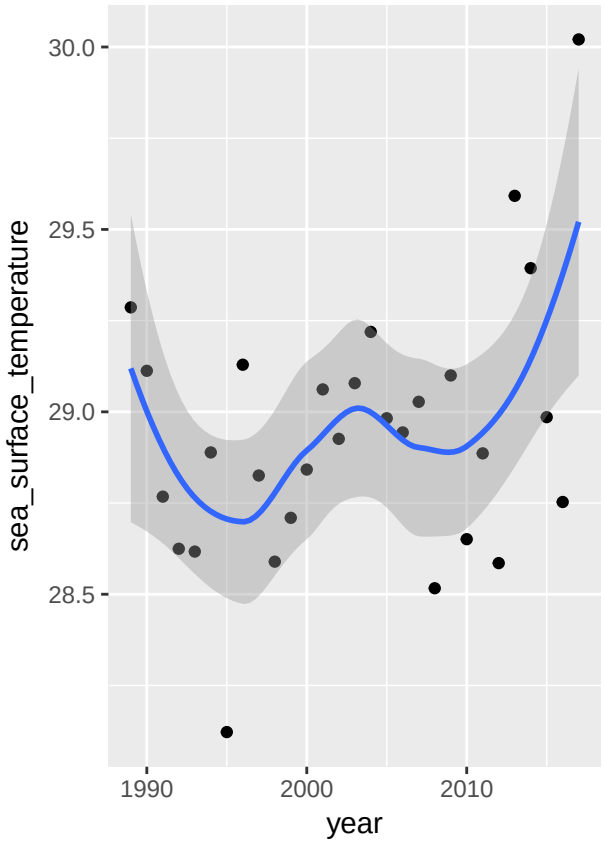
Buoy1: 0N155W

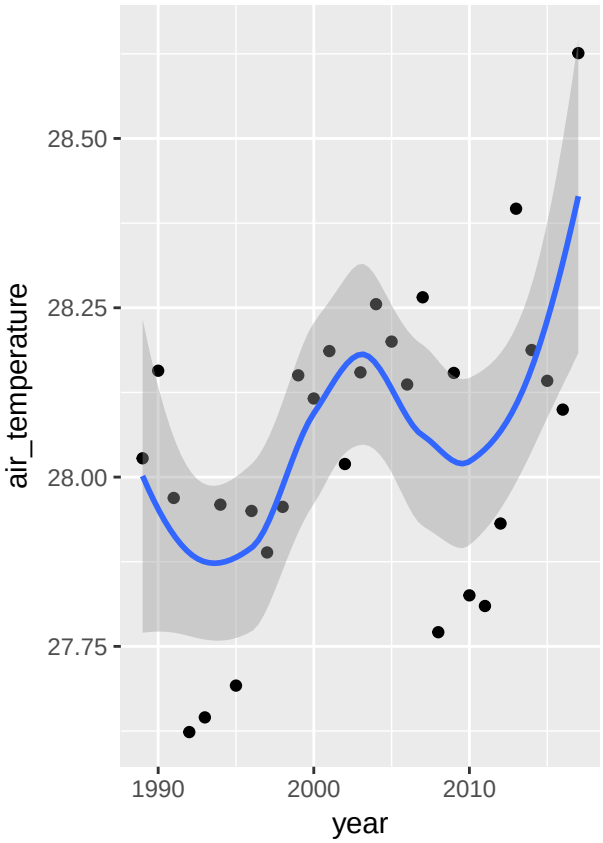
```
## Loading required package: magrittr
##
## Attaching package: 'magrittr'
## The following object is masked from 'package:ggmap':
##
##     inset
```


sea_surface_temperature
29
28
27
26
1990
2000
2010
year

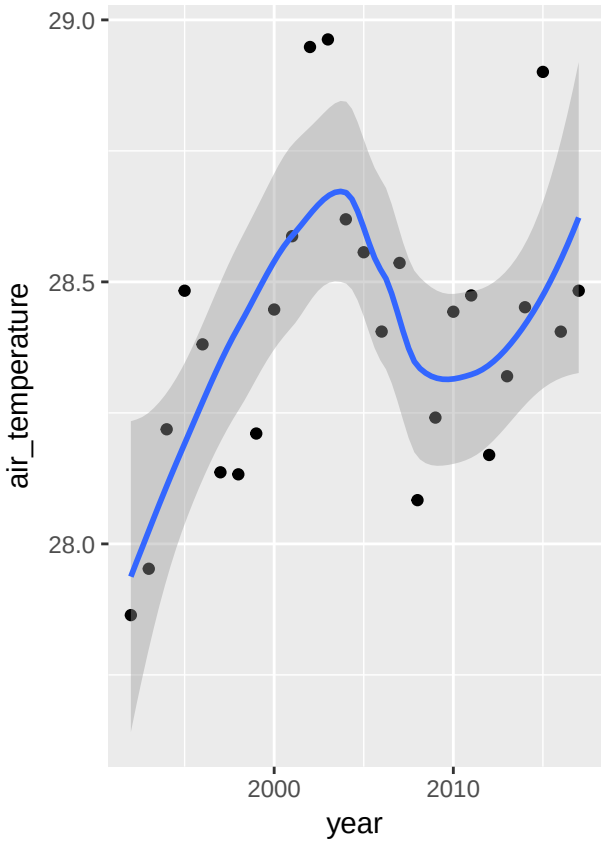

air_temperature
28
27
26
1990
2000
2010
year

Buoy2: 8N165E

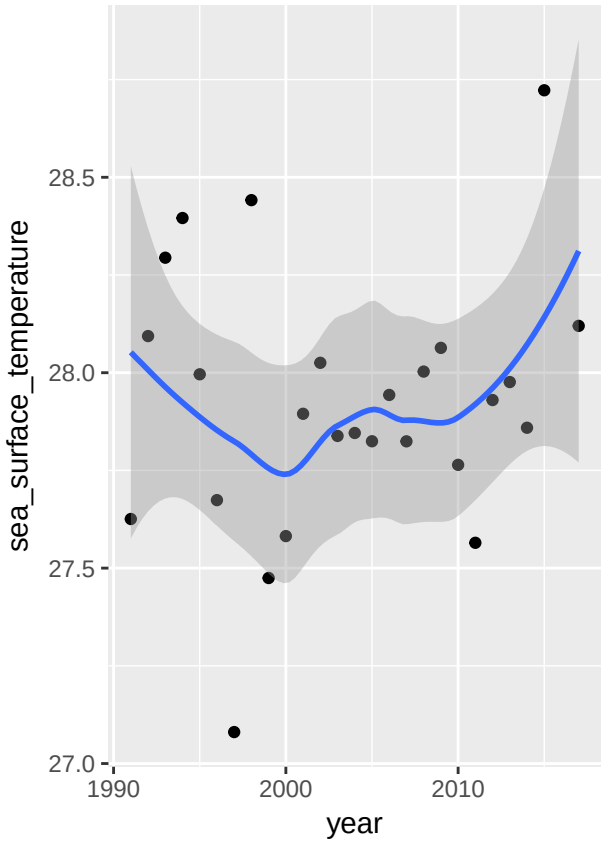


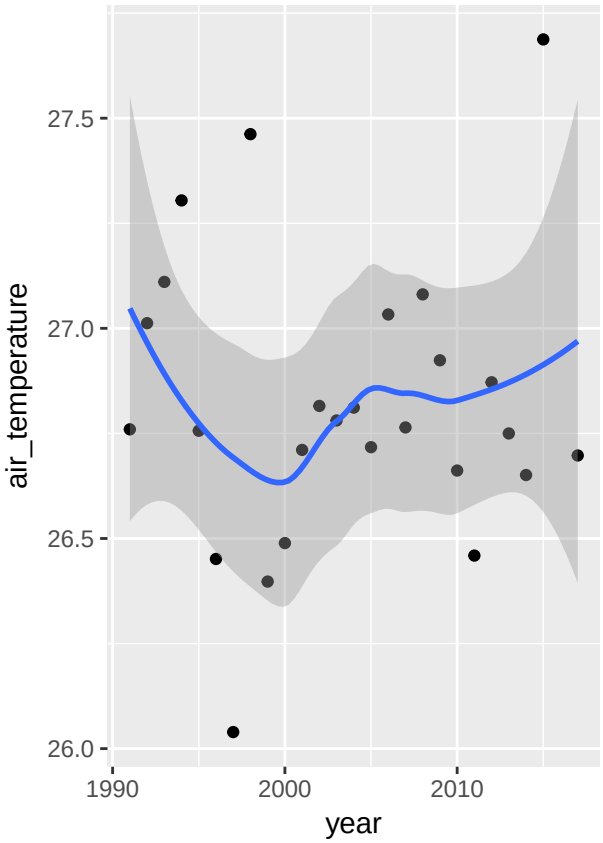


Buoy3: 8S165E

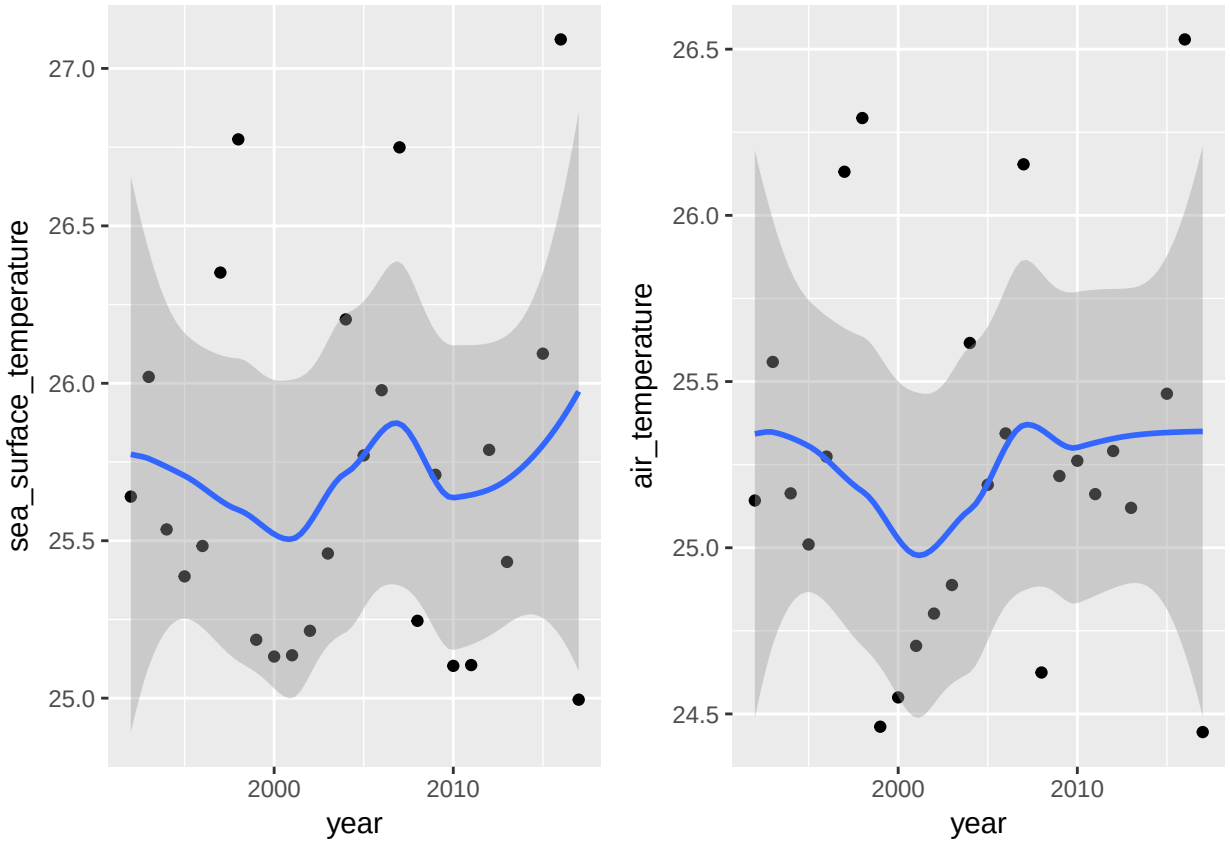


Buoy4: 8N110W





Buoy5: 8S110W



Data Sources

1) 0N155W

Air Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/06-6688/TAO_T0N155W_M_AIRT_daily.ascii

Sea Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/d06-350/TAO_T0N155W_M_SST_daily.ascii

2) 8S165E

Air Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/06-6688/TAO_T8S165E_M_AIRT_daily.ascii

Sea Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/d06-350/TAO_T8S165E_M_SST_daily.ascii

3) 8N165E

Air Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/06-6688/TAO_T8N165E_M_AIRT_daily.ascii

Sea Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/d06-350/TAO_T8N165E_M_SST_daily.ascii

4) 8S110W

Air Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/06-6688/TAO_T8S110W_M_AIRT_daily.ascii

Sea Temperature

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/d06-350/TAO_T8S110W_M_SST_daily.ascii

5) 8N110W

Air Temperature:

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/06-6688/TAO_T8N110W_M_AIRT_daily.ascii

Sea Temperature:

http://tao.ndbc.noaa.gov/tao/data_download/cache/201711/d06-350/TAO_T8N110W_M_SST_daily.ascii