



PROJECT 1

PHYSICS OF THE GULF OF GUINEA



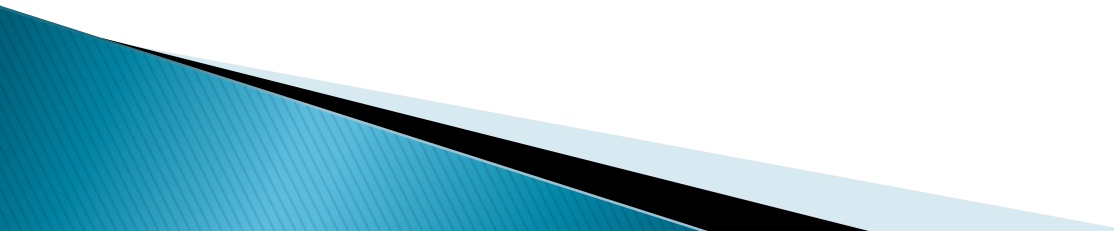
Regional Maritime University



PROJECT GROUP I

- ▶ Project Supervisors
- ▶ PROF. Lucas Drew
- ▶ PROF. Emily Shroyer

Members

- ▶ Babatubde Adebo
 - ▶ Benson Levi
 - ▶ Babatunde Aderibigbe
 - ▶ Chika Ikele
 - ▶ Adams A.K Azameti
- 

Our work...

- ▶ study of the seasonal cycle of atmosphere and ocean surface conditions
- ▶ using 20 years of mooring data from the pirata array





Fig. 1. The map of the gulf of guinea

([www.https://wiki--travel.com](https://wiki--travel.com))

Data

Data Display and Delivery

- Animations
- Assorted Plots
- Gridding Methods
- Oceansites Flux Data
- PIRATA Station Plots
- RAMA Station Plots
- Data Quality Control
- Data Telemetry
- GTS Data Distribution
- WMO Numbers
- GTS Data Transmissions
- Historic TAO Data Return
- Mooring Status Summary
- Historical PIRATA Mooring Status

Related



Indian Ocean - R...
Research Moored Array
for African-Asian-
Australian Monsoon
Analysis



Atlantic Ocean - R...
Prediction and
Research Moored
Array in the Atlantic
(PIRATA)



Pacific Ocean - R...

Data Display and Delivery

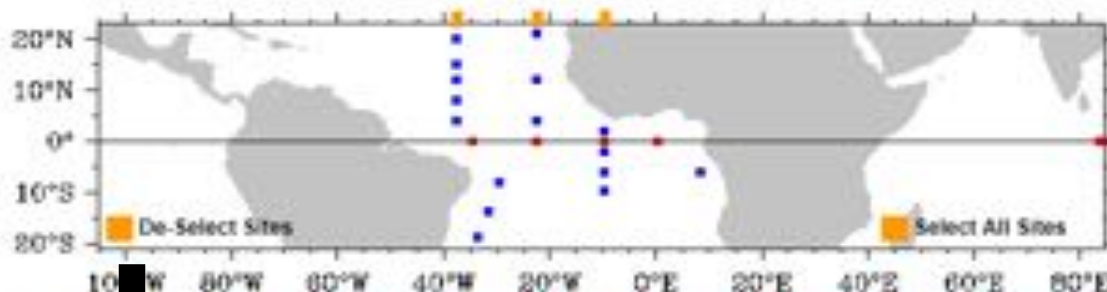
Learn about PIRATA

Show Instructions

TAO/TRITON (Pacific)

PIRATA (Atlantic)

RAMA (Indian)



Time Series

Profiles

Time Section

Lat Lon Map

Depth Section

☒ One Variable ☐ One Site ☒ Separate Plots ☐ Overlay ☒ Subsurface Area ☐ Subsurface Lines

☐ SW Rad ☐ LW Rad ☐ Rain ☐ Wspd ☐ Uwnd ☐ Vwnd ☐ Wdir ☐ Wind Vec ☐ RH

☐ Air T ☐ SLP ☒ SST ☐ T(z) ☐ SSS ☐ S(z) ☐ SBD ☐ D(z) ☐ Heat

☐ Dyn Ht ☐ SOC ☐ Ucur ☐ Cur ☐ Cur Vec ☐ Uadcp ☐ Vadcp ☐ Long ☐ Lat

1997 SEP 10

2019 AUG 8

High Resolution

File by site

NetCDF (4-byte, Julian)

Compression

Definitions

Availability

Clear

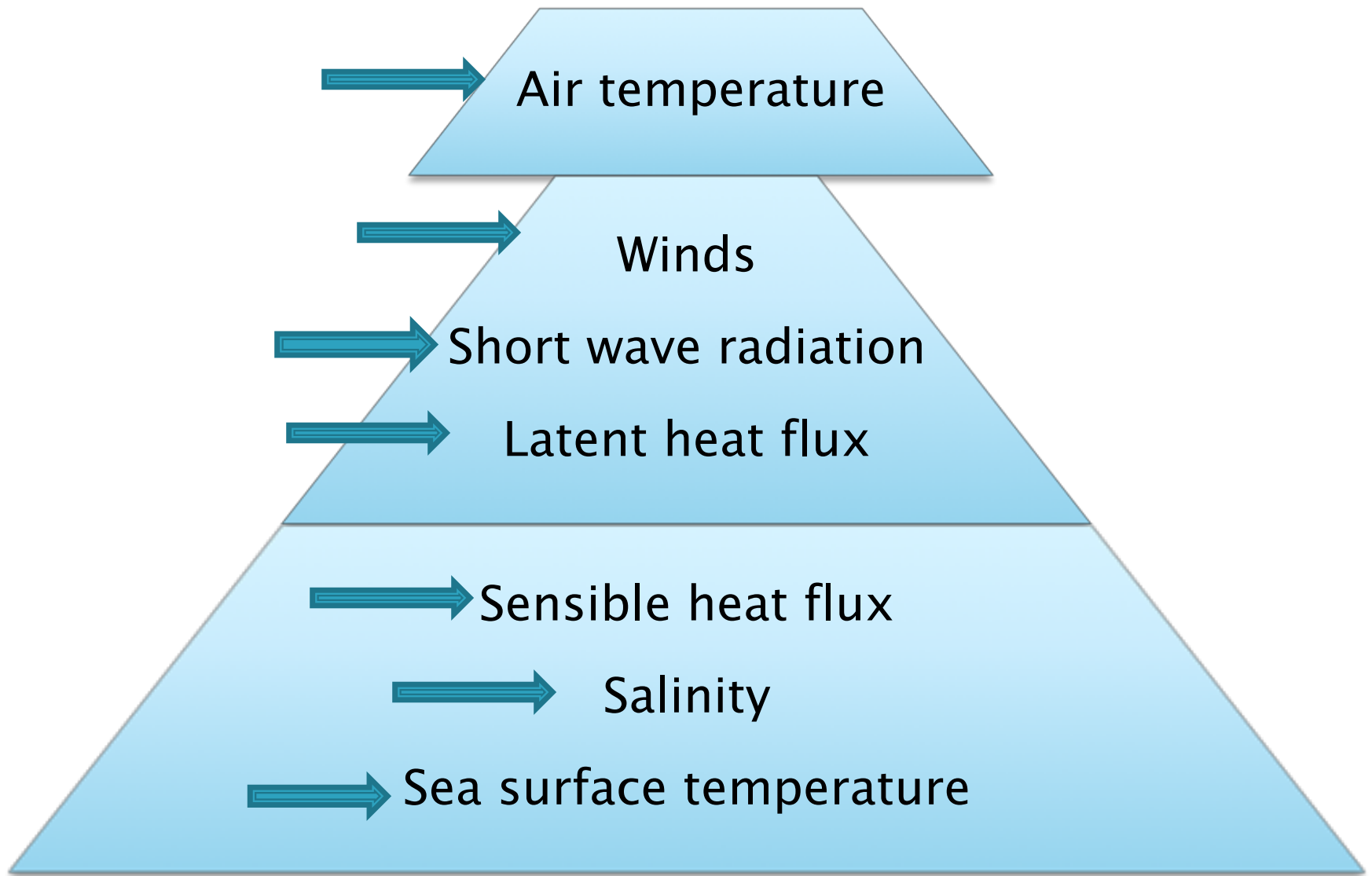
Deliver

Display

FTP Access Acknowledgment for use of data Realtime High Resolution Data
Send Questions to pat.mellor@noaa.gov

PIRATA ARRAY

www.pmel.noaa.gov/tao/drupal/disdell/



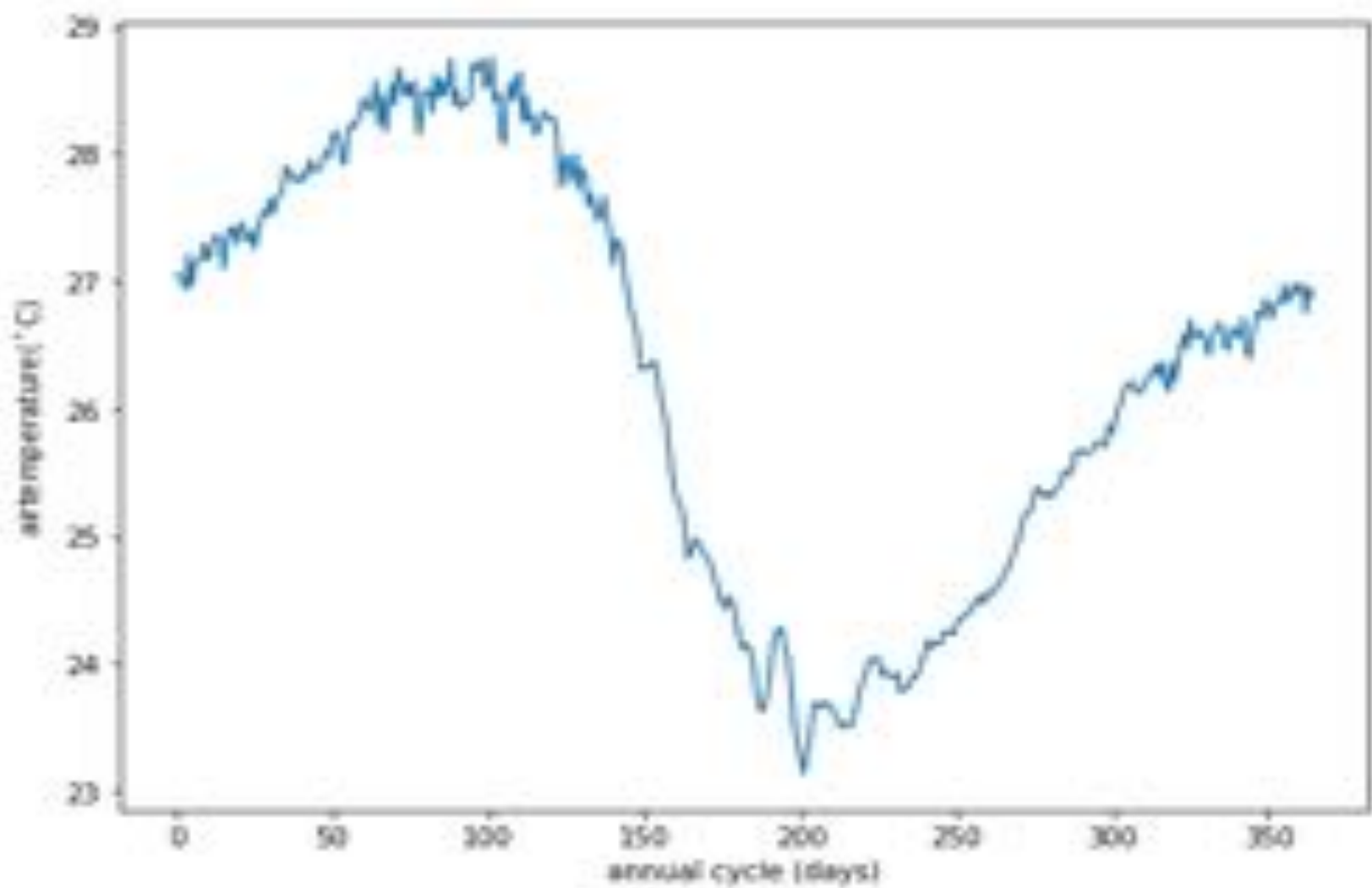


Fig. 2. Variations in the seasonal cycle of air temperature in an annual cycle using 20years of mooring data from pirata array

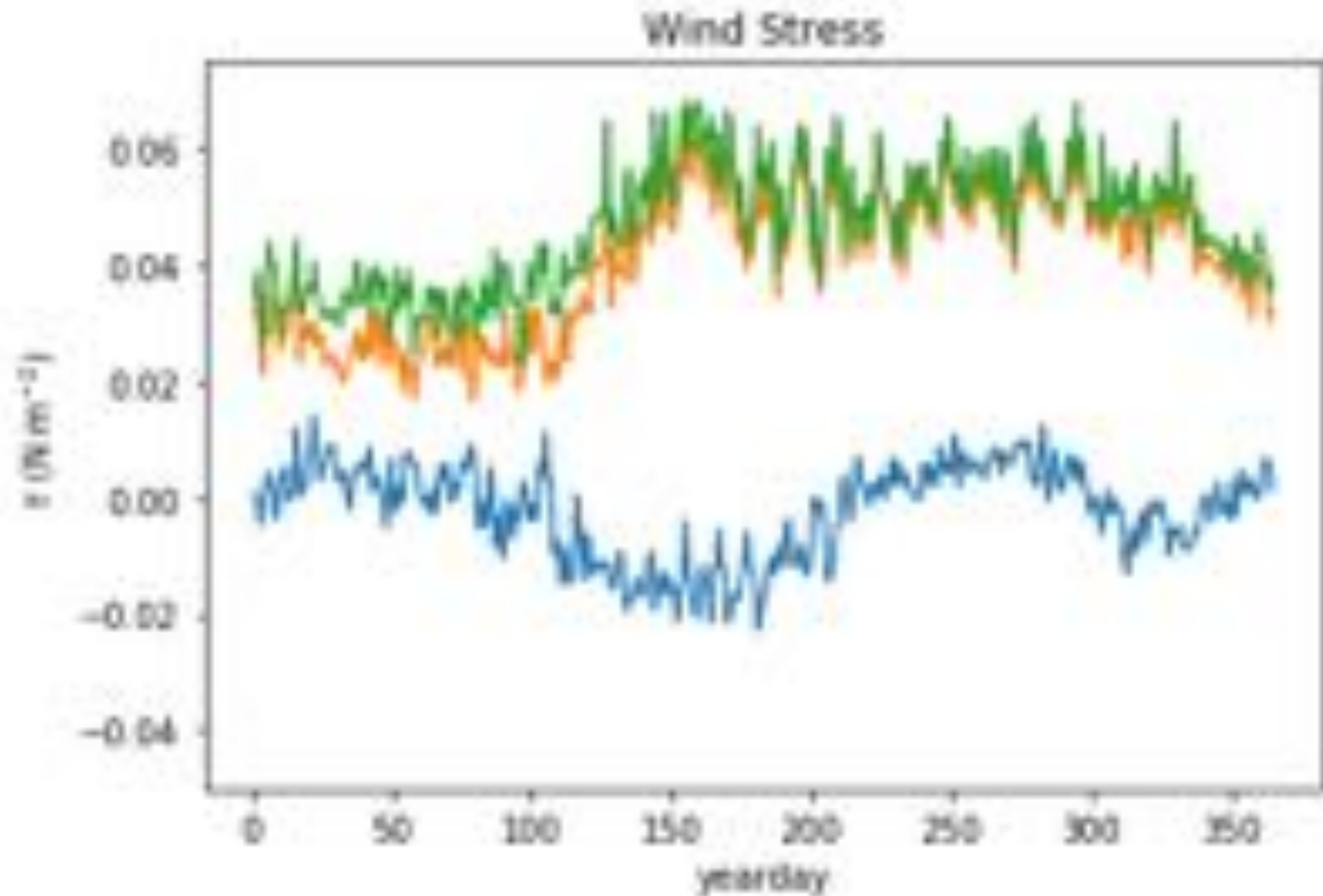


Fig. 3. Variations in the seasonal cycle of wind stress in an annual cycle using 20years of mooring data from pirata array



Fig. 5 Variations in the seasonal cycle of net short wave variation in an annual cycle using 20years of mooring data from pirata array

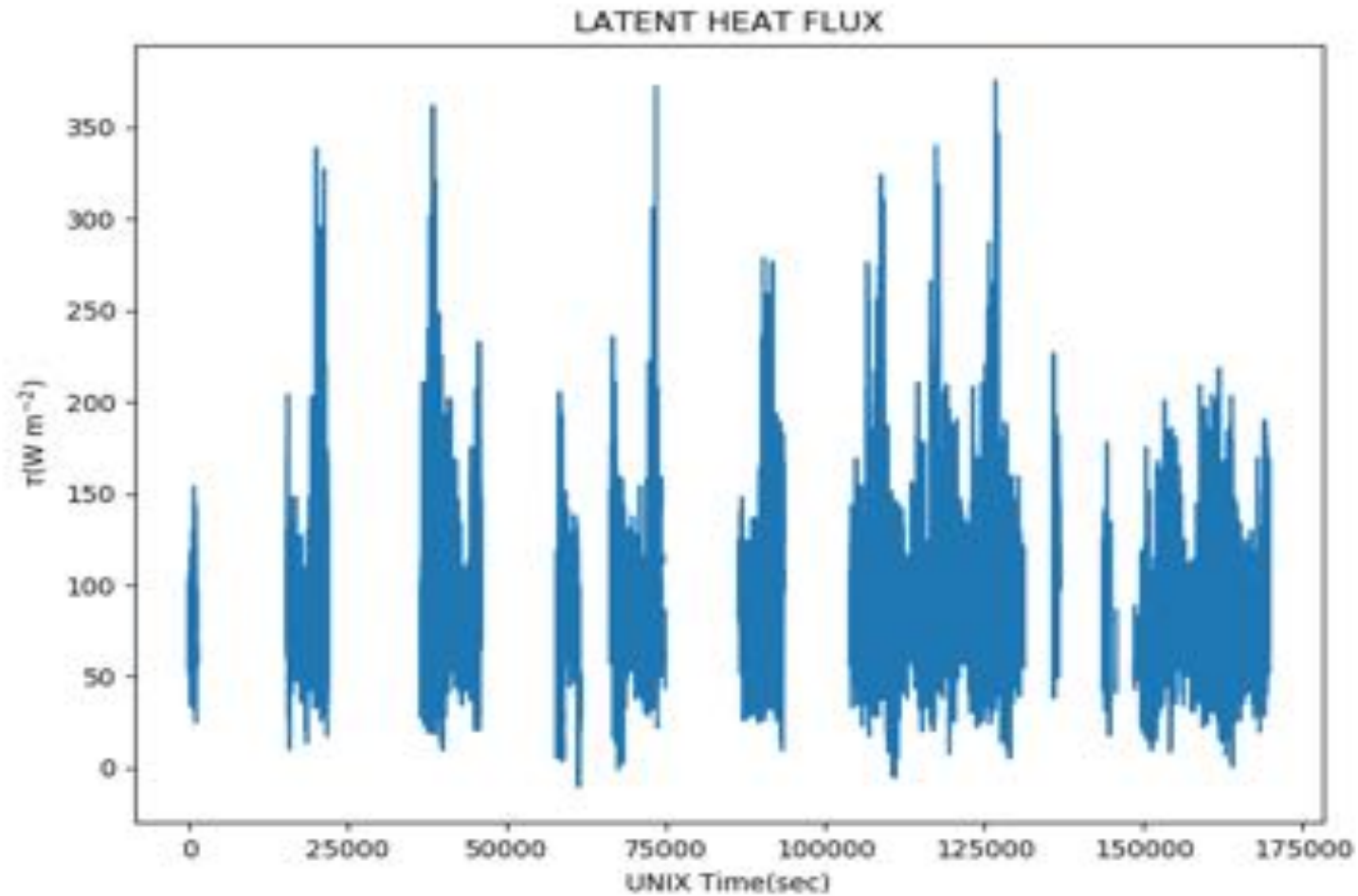


Fig. 4. Variations in the seasonal cycle of latent heat flux in an annual cycle using 20years of mooring data from pirata array

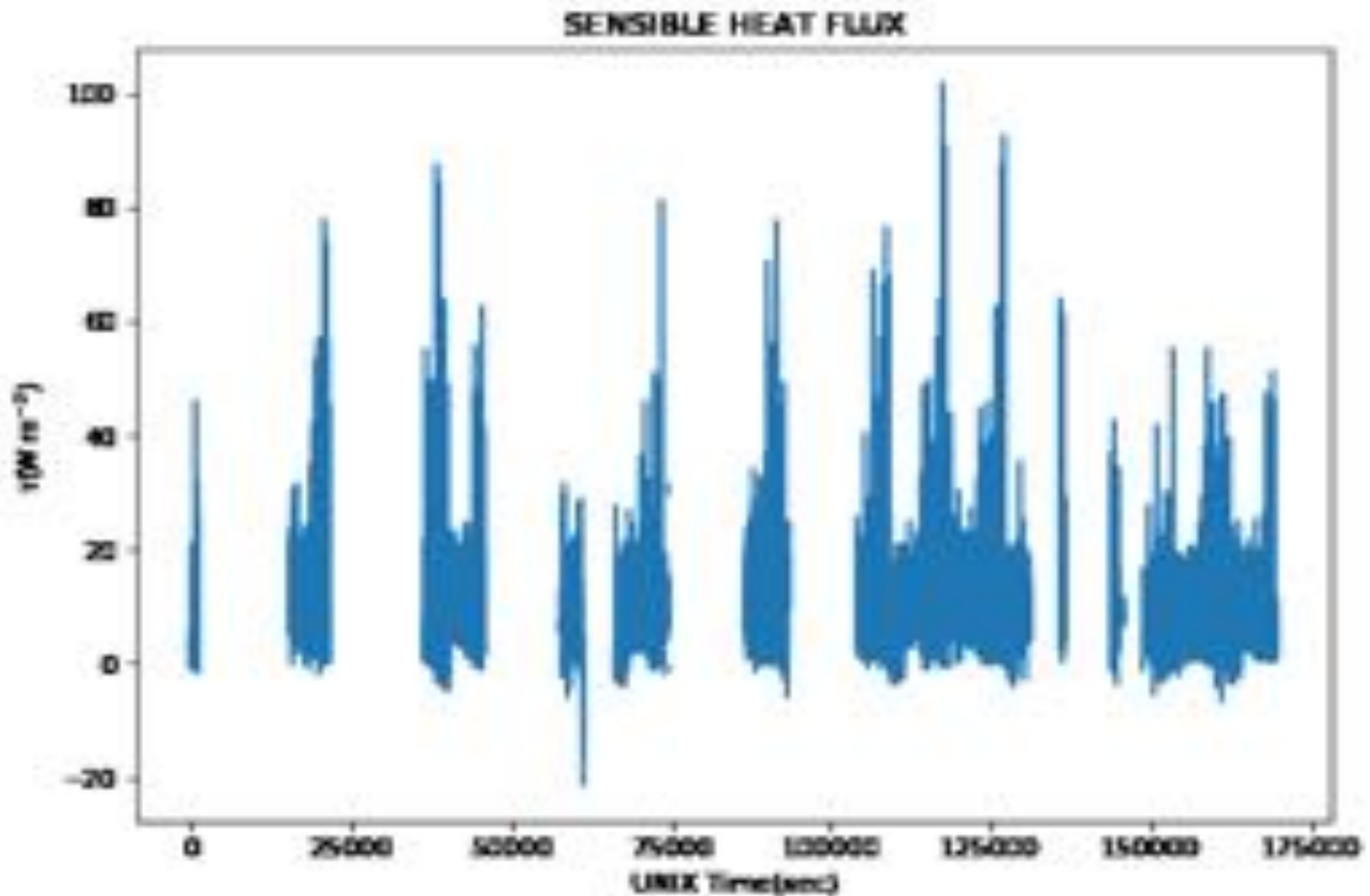


Fig. 6. Variations in the seasonal cycle of sensible heat flux variation in an annual cycle using 20 years of mooring data from pirata array

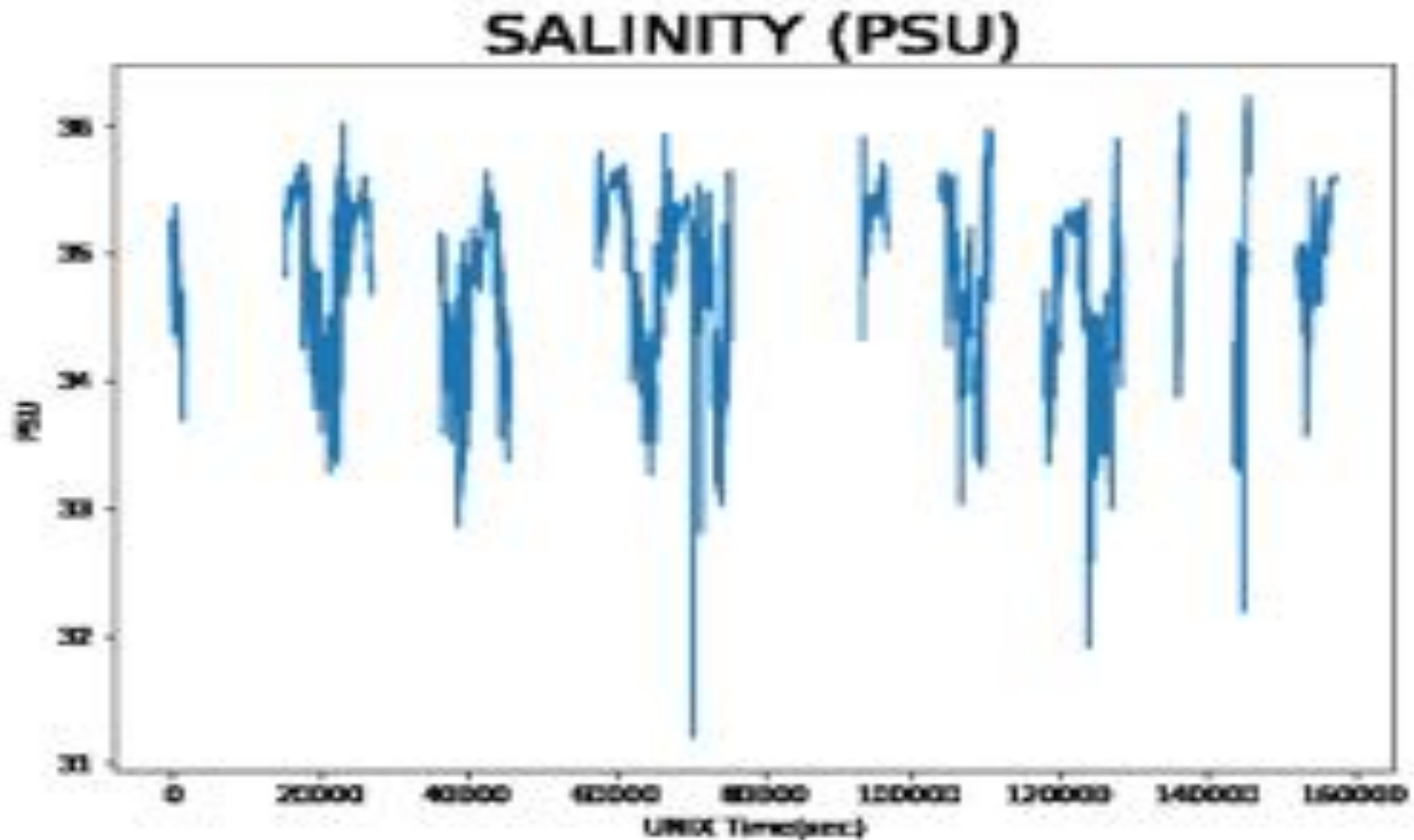


Fig. 7. Variations in the seasonal cycle of salinity in an annual cycle using 20 years of mooring data from pirata array



Fig. 8. 5 Variations in the seasonal cycle of net short wave variation in an annual cycle using 20years of mooring data from pirata array



THANK YOU FOR LISTENING!

PROJECT 1 PHYSICS OF THE GULF OF GUINEA



Regional Maritime University

