

# Reading Wind and Weather Patterns

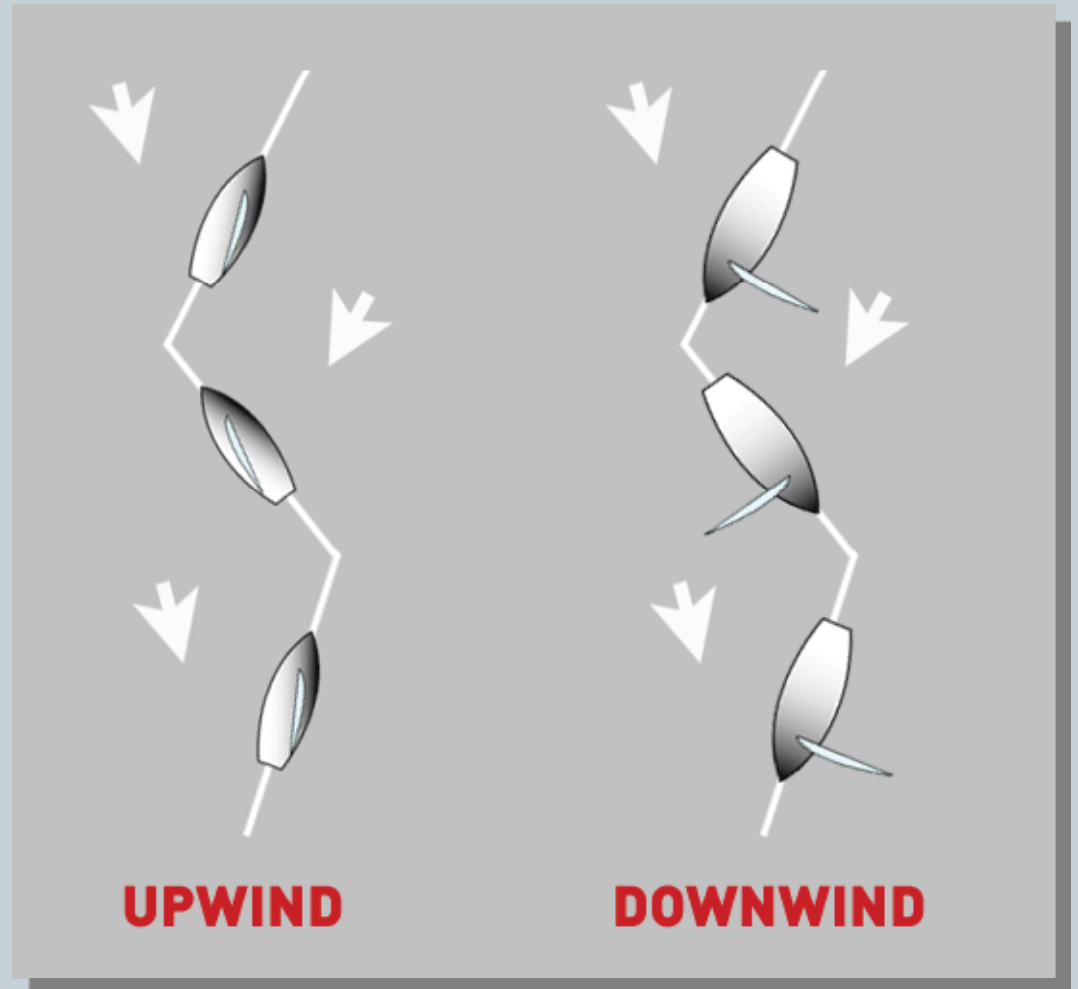


NICK TURNEY

# Lifts and Headers



- **Lifting puff**
  - Bow sails up
- **Heading Puff**
  - Bow sails down



# Reading Wind



- **Types of puffs**
  - Helicopter Puffs
  - Wind lines
  - Swirls
- **Reading the puffs**
  - What will this puff do?
- **Predicting the wind**
  - Collecting Data
  - Visual observations

# Types of Puffs



- **Helicopter Puff**
  - Random in location and frequency
  - Usually drop from clouds
  - Will not travel far
  - Various angles



# Types of Puffs



- **Wind lines**
  - Sea breeze
  - Drastic shift
  - Persistent shift
  - Continuous



# Types of Puffs



- Swirls
  - Un Stable Weather
  - Be prepared



# Reading Puffs



- Visually seeing the breeze
  - Darker water
  - More ripples



# Reading Puffs



- Get as high up in the boat as possible
  - Elevated view of the race course

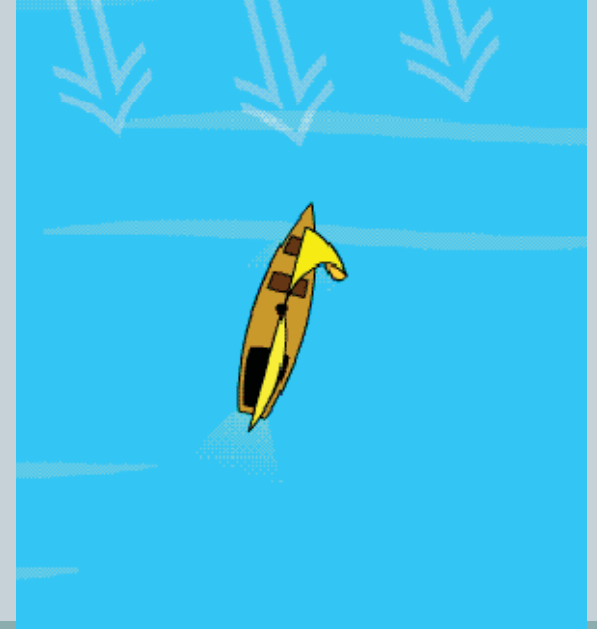




# Reading Puffs



- How do you know what it is?
- Lifting Puff
  - When a puff approaches from a side angle
- Heading Puff
  - When a puff approaches more head on



# Sailing Lifts and Headers

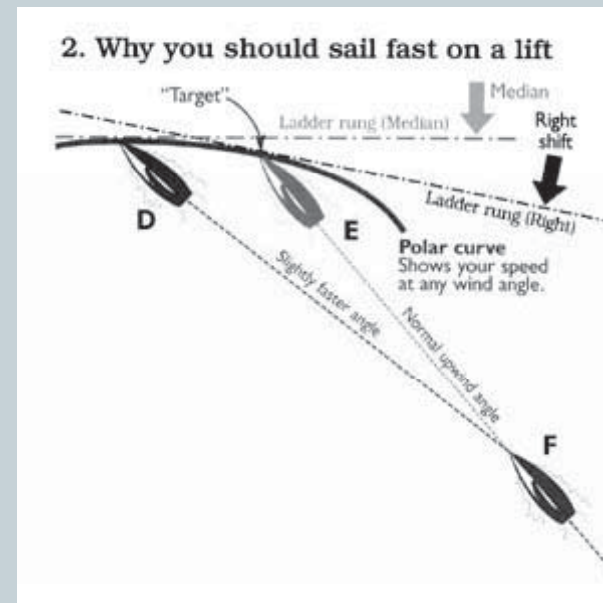


- How do you sail on a lift?
  - Oscillating breeze?
  - Persistent shift?
- How do take a header
  - Oscillating Breeze?
  - Persistent shift
  - Fleet position

# Oscillating Breeze



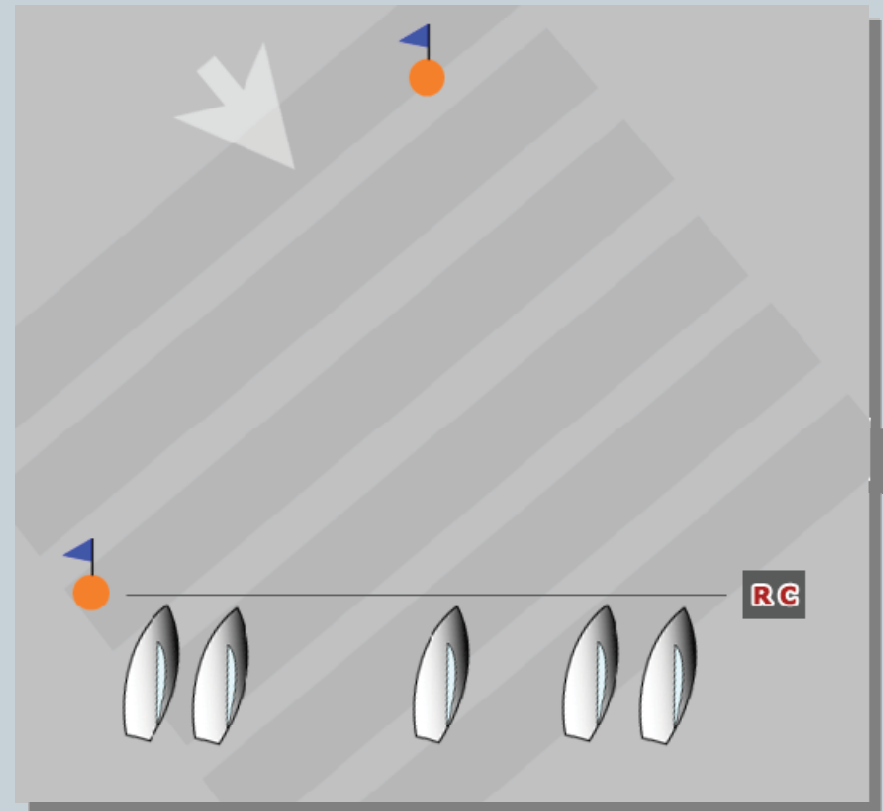
- Sail fast thru the lift
  - Creates leverage on the boats inside you
  - Distance gained forward



# Persistent Shift



- **Maintain the inside position**
  - Tack on a median number
  - Tack in more pressure

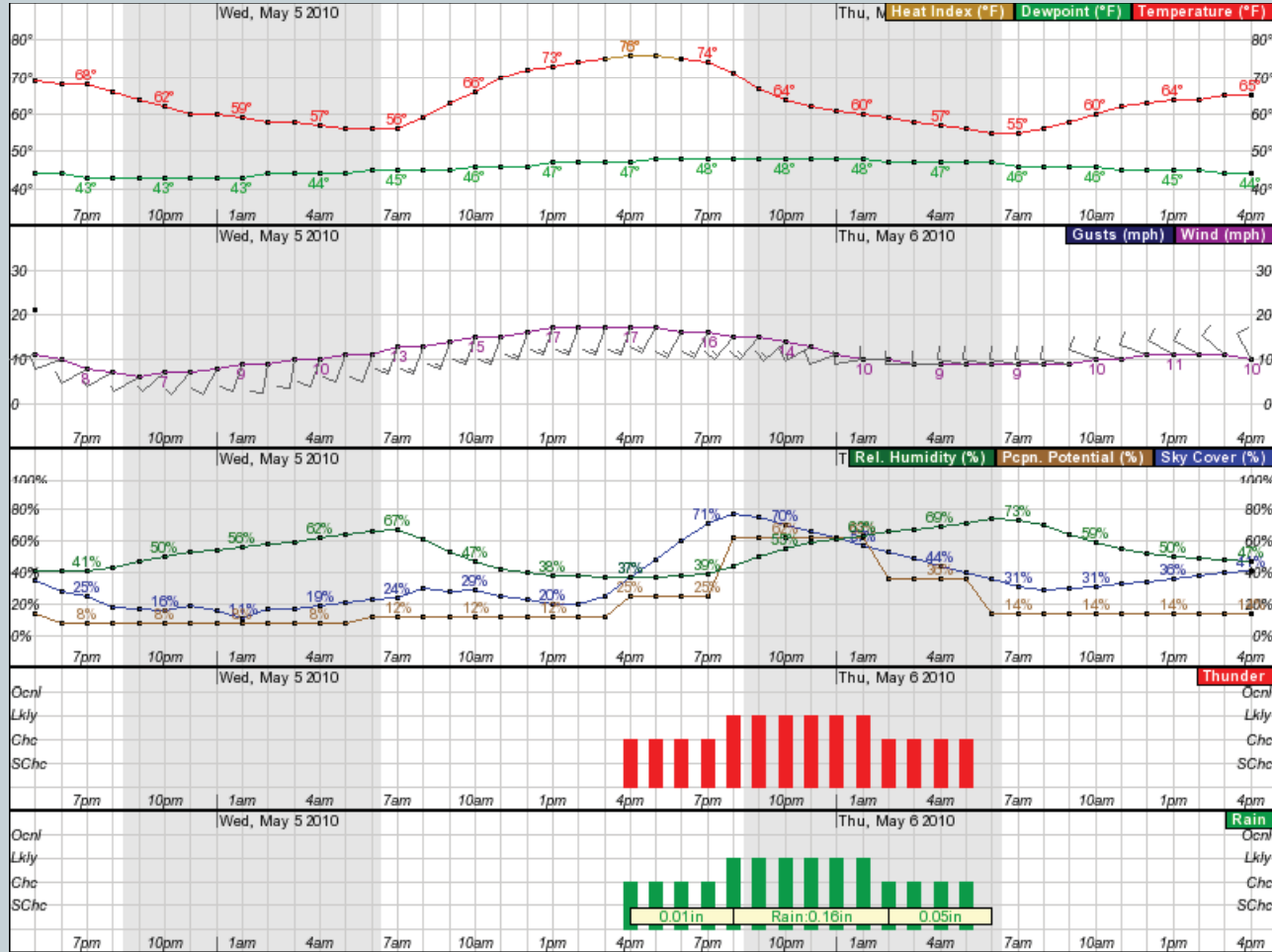


# Predicting the Wind



- Weather Forecasts
  - NOAA- [www.noaa.gov](http://www.noaa.gov)
  - Sail Flow- [www.sailflow.com](http://www.sailflow.com)
  - Intellicast- [www.intellicast.com](http://www.intellicast.com)
- Weather Maps
  - Lee Chesneau- [www.weatherbylee.com](http://www.weatherbylee.com)
  - NOAA

# Collecting Data



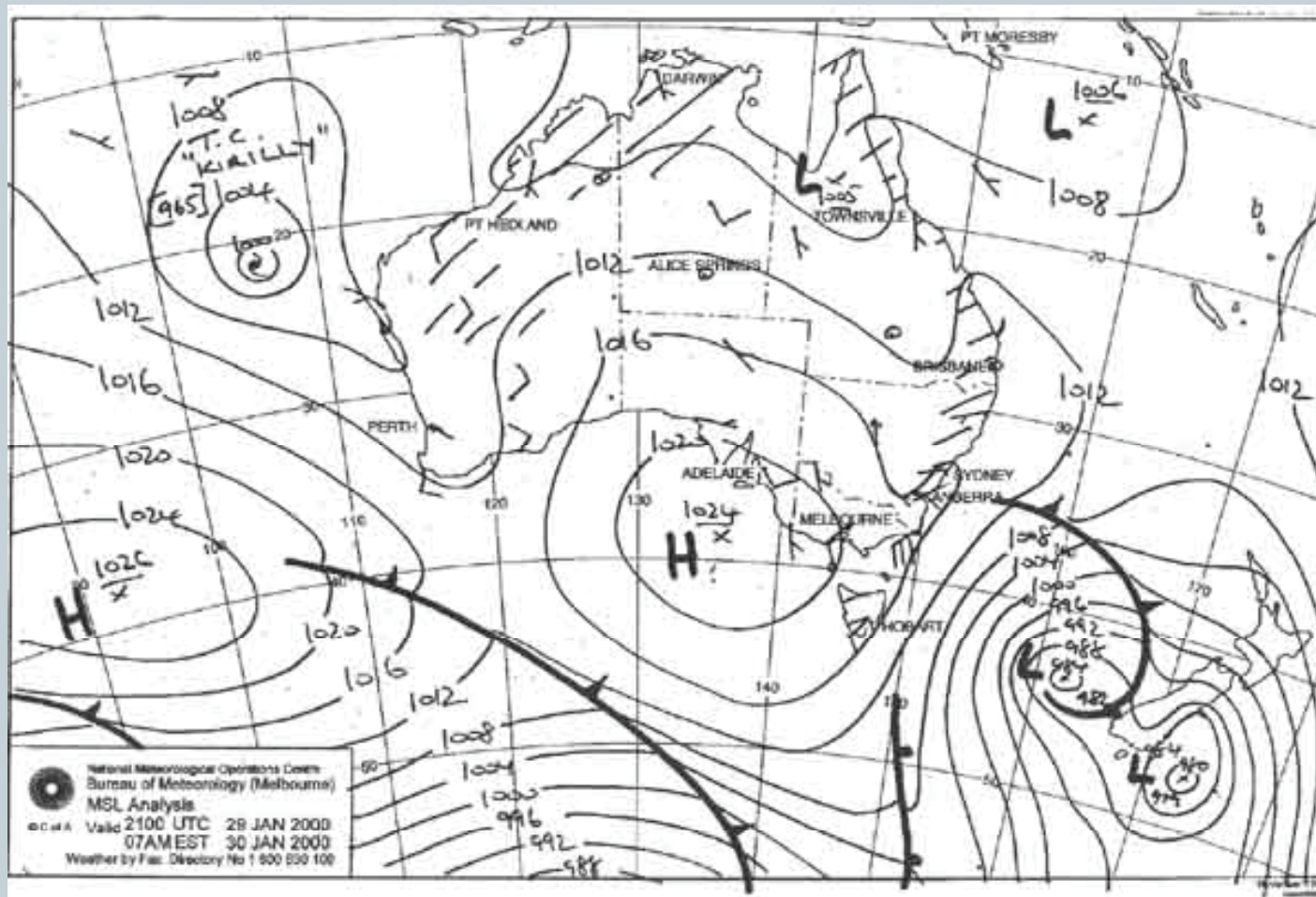
# Collecting Data



- Predict and follow Trends
  - When the breeze is out of 220 degrees and 65 degrees out side at 230pm it will shift right and build
- Tactical advantage
  - Anticipate where you need to go
- Take the guessing out



# Weather Maps





# Isobar maps



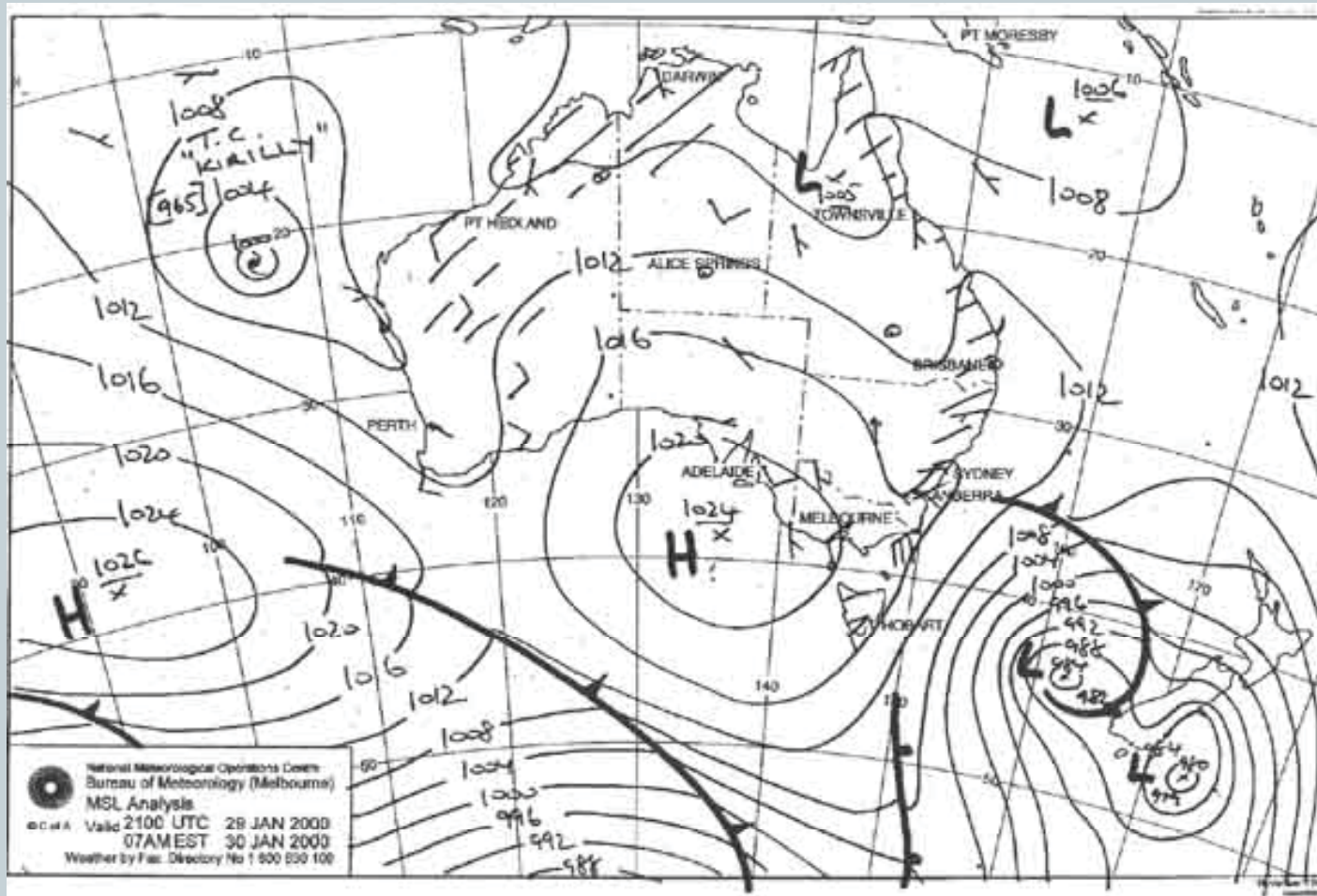
Closer bars indicate more pressure

- Surrounding a low pressure system

Distant bars indicate less pressure

- Surrounding a high pressure system

# Isobars



# Putting it all Together



1. Research your venue
2. Collect your data
3. Analyze the current conditions
4. Compare to your research
5. Apply to your Strategy



# Thank You



NICK TURNEY