

# Transpac 2011

## *Sail Selection and Preparation*



# ***Scott Poe & Erik Shampain***

- ***13 Transpacs***
- ***5 Pacific Cups***
- ***2008 Tahiti Race***
- ***Too many Mexico & Cal Coastal Races to count***
- ***Over 100k Ocean Racing Miles***



# ***Sail Inventory – (minimum)***

- ***Headsails***

AP#1, #3, #4 (Heavy Weather), Stormsails

- ***Spinnakers***

1A, 2A/S, 4A/S, + Backup Code 2A/S

- ***Specialty Sails***

Spinnaker Staysail

- ***Delivery Sails***

Main, Headsail



# ***Sail Inventory – (optimum)***

- ***Headsails***

AP#1, #3, #4 (Heavy Weather), Stormsails  
+ ***#2 Blast Reacher***

- ***Spinnakers***

1A, 2A/S, 4A/S, + Backup Code 2A/S  
+ ***3A, 6A/S and Code 0***

- ***Specialty Sails***

Spinnaker Staysail  
+ ***Genoa Staysail***

- ***Delivery Sails***

Main, Headsail



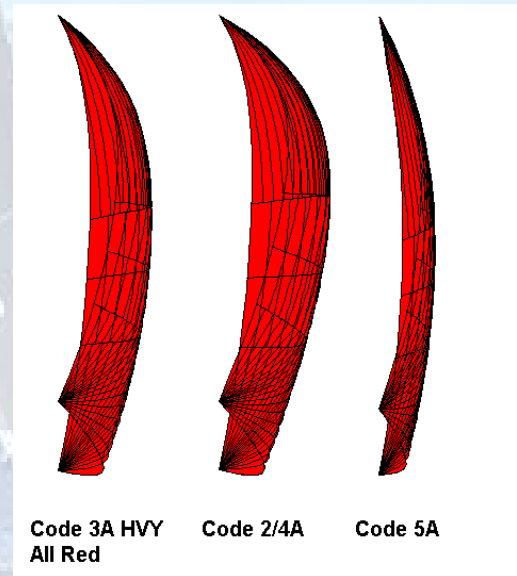
# ***Asymmetrical Kites – Asso's***

## **Advantages:**

- Superior Shape/Airfoil = More Speed/Control  
Asso's have dedicated “leading” and “trailing” edges giving you more ability to power up or down.
- Longer Luff projects farther from Main this giving you approx. 5% more exposed sail area in clean air
- Precise Shape/Sizing of Sail
- Work better with Staysails.

## **Disadvantages:**

- Sail Handling/Gybing
- Requires additional rigging



# SPINNAKER CODING



## DECODING SPINNAKER CLASSIFICATIONS

### ASYMMETRIC

**CODE 0**  
CLOSE REACHER  
45-100 AWA

**CODE 1A**  
VMG  
55-90 AWA

**CODE 2A**  
LIGHT RUNNER  
80-140 AWA

**CODE 3A**  
REACHER  
75-130 AWA

**CODE 4A**  
HEAVY RUNNER  
130-170 AWA

**CODE 5A**  
HEAVY REACHER  
100-130 AWA

### SYMMETRIC

**CODE 1S**  
LIGHT VMG REACHER  
55-110 AWA

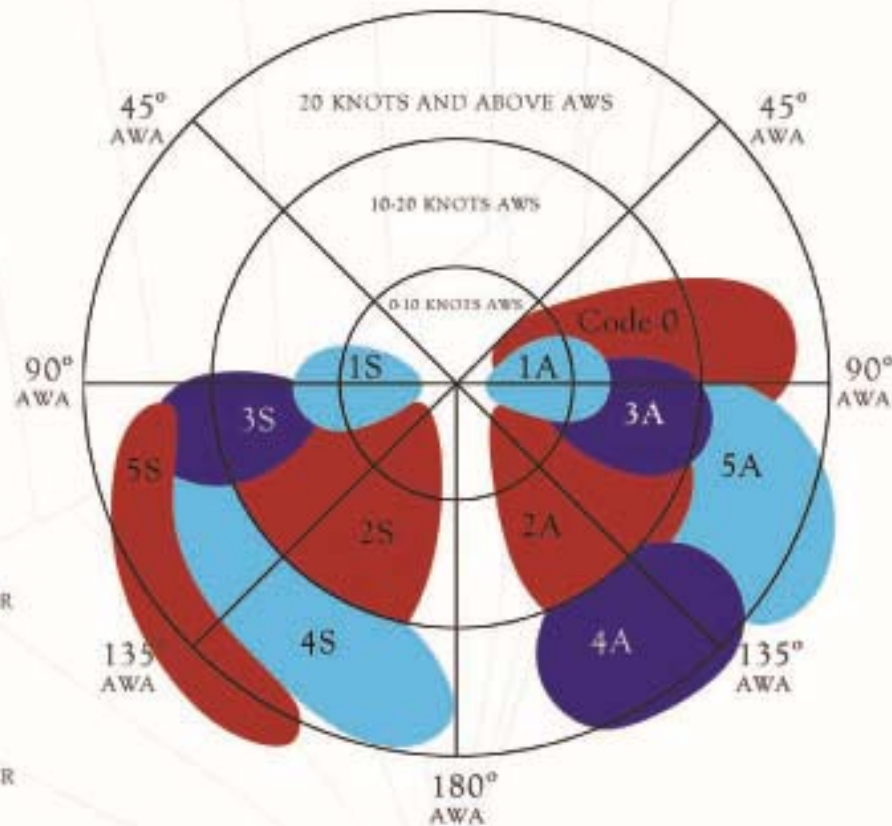
**CODE 2S**  
MEDIUM RUNNER  
110-180 AWA

**CODE 3S**  
MEDIUM AP REACHER  
75-110 AWA

**CODE 4S**  
HEAVY RUNNER  
110-180 AWA

**CODE 5S**  
HEAVY REACHER  
100-155 AWA

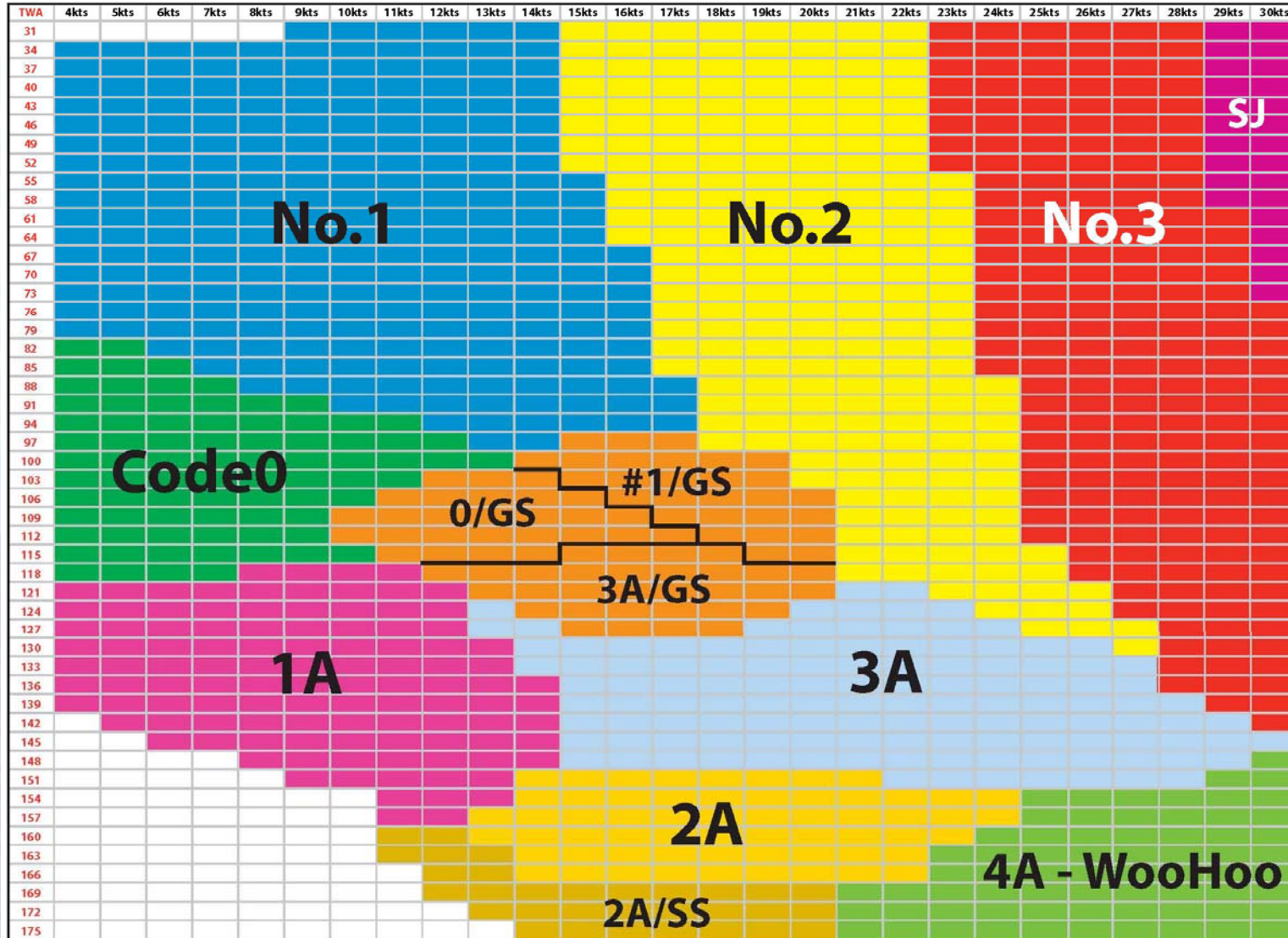
APPARENT WIND ANGLE - AWA  
APPARENT WIND SPEED - AWS



Spinnaker coding is used by sailmakers industry-wide to designate the type of spinnaker (asymmetrical v. symmetrical), and the wind range and apparent wind angle the sail is designed for.



# Sail Crossover Charts



# ***Sail Inspection and Prep - What to check and look for...***

- Worn Stitching
- Corner Patches and Rings
- Luff/Leech/Foot Cords (adjust and secure)
- Battens and Pockets
- Luff Tapes (hot knife)
- Webbing
- Slides and Slugs
- Clearly label **ALL** Corners/Bags



# ***Sail Measurement***

- Measure/Re-Measure ALL Sails  
Over time sails change in size
- Why? Could effect ORR/Transpac rating.  
Every Second/Minute counts!



# ***Sail Cleaning/Washing***

- **Salt adds a lot of weight**

Dried, salty .5oz. cloth weighs the same as clean 1.5oz cloth which gives away the advantage of the lighter sail.

- **Squalls = Moisture, Moisture = Weight, Weight = Stress on Sails**



# ***Sail Treatments***

- **McLube** (sprayed on) \$1/sq.ft.
- **Holmenkol** (sponged on) .55/sq.ft.

## ***Advantages:***

Waterproof/Resistant

Ease of Handling

Less Chafe



# ***Sail Repair Kit***

- Quality Scissors/Palm
- Board & Pushpins
- Sail Awl/Pick
- Acetone or Rubbing Alcohol
- Sticky Back Dacron
- Kevlar Insignia Cloth
- Roll 2" Insignia Tape
- 2-sided Seam Tape
- Needles/Thread
- Spare Batten Longest for both Main and Jib
- Tubular Webbing
- O-Rings
- Main Hardware, i.e. Slugs/Slides



# ***Sail Packing***

- **Traditional Fold/Packing (100% size)**
  - Takes up too much space
- **Bricking (50% size)**
  - More compact and easier to stack
- **Vacuum Bagging (25% size)**
  - Optimum – waterproofs and makes sails as small as possible



# ***Spinnaker Packing***

- **Traditional Packing**
  - Does not allow for controlled hoist
- **Banding (Yarn or Rubber Bands)**
  - Good hoist control
  - Vary amount of banding per Spin, i.e. 1A/S gets less than 4A/S
- **Spinnaker Socks**
  - Complete control on hoist



# ***Sail Stacking***

- **Weight on the Rail**
  - Why not put an extra 4-6 guys on the rail?
- **Allows for Proper Positioning of Weight**
  - Helps with boat trim and empties out interior
- **How-To/Methods**
  - Sail bag's and straps are in good shape/secure
  - Pad-eyes on Deck
  - Body Bag (keeps sails dry)
  - Stack in order of usage



***Stack up and hang on!***



# ***Your sails are your friend***



- **Prep them well**
  - Inspect, Repair, Clean and Brick
- **Take care of them during the race**
  - Repair, Repack and Stack
- **Change before it's too late**
  - Better to switch than to blow up
- ***Have FUN and sail FAST, there's no better race than Transpac!***

# **TRANSPACIFIC**

# ***Questions to ponder***

- **Condition of current inventory?**
- **Are there any “holes” in your inventory?**
- **Do you have the required Stormsails?**
- **Do you have a sailmaker on your side?**
- **Is your boat optimized for rating?**
- **Do you have polars/crossovers?**



***Thank you, good luck  
and fairwinds...***

***Cheers to a great ride down the Molokai!***

***Horizon™  
2010 Pacific Cup – 1<sup>st</sup> to Finish, 1<sup>st</sup> in Class,  
1<sup>st</sup> Overall, New SC50 Record***

