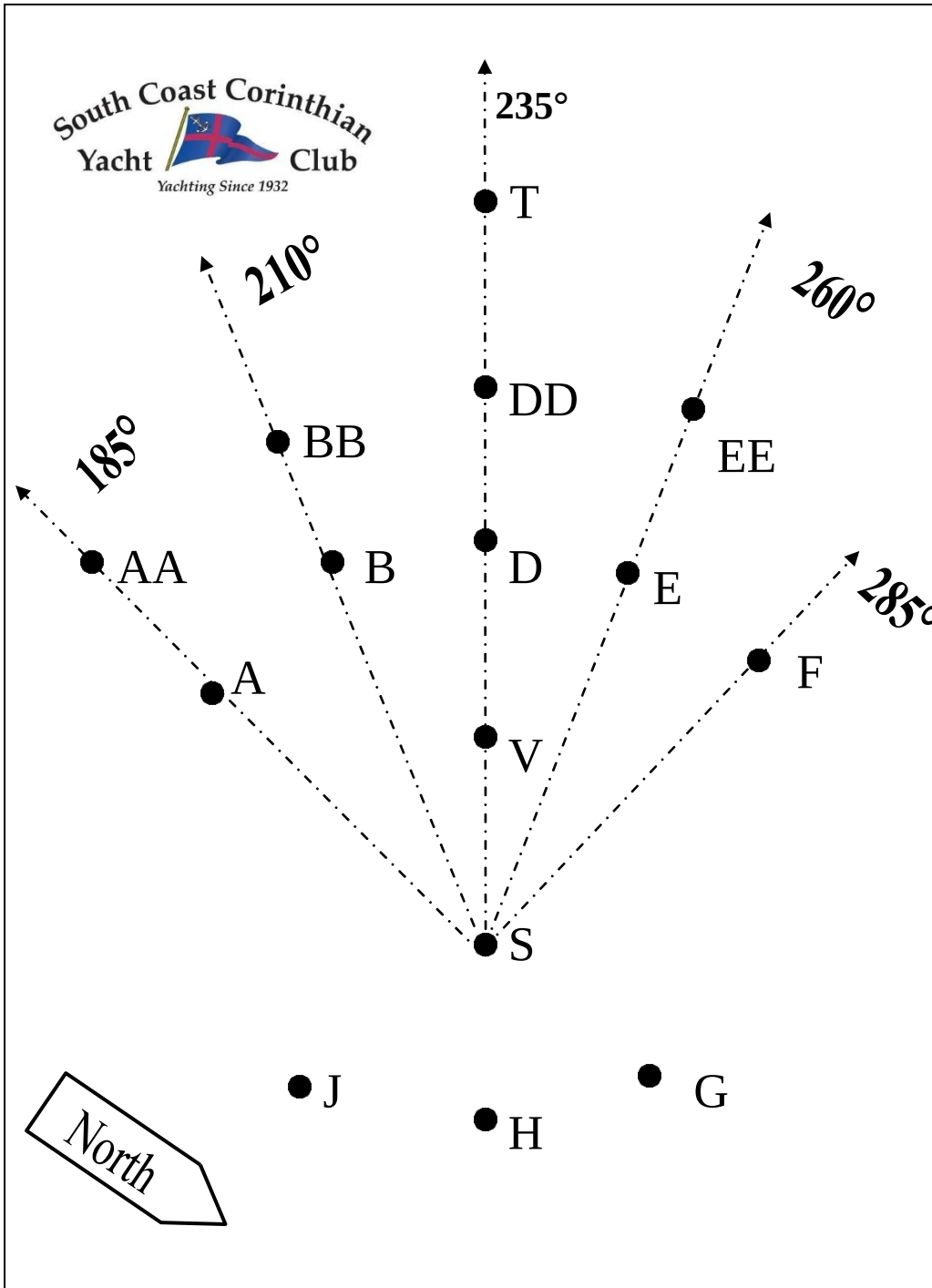


# 2018 ASMBYC C of C PHRF Course Chart

Version 9/10/2018



| Course # | Description        |
|----------|--------------------|
| 1        | W- Finish          |
| 2        | W-S-W-Finish       |
| 3        | W-L-W-Finish       |
| 4        | W-L-W-S-W-Finish   |
| 5        | W-L-Finish         |
| 6        | W-S-W-L-Finish     |
| 7        | W-L-W-L-Finish     |
| 8        | W-S-W-L-W-L-Finish |

## Signals

Courses will be signaled by course # and weather mark.

## Courses

All courses start and finish near S. All marks are to be left to port.

L (leeward) mark is determined based on the given W (weather) mark.

For W mark: A, AA, B, BB use G as Lmark. For W mark: E, EE, F use J as Lmark.

For W mark: V, D, DD, T use H as L mark.

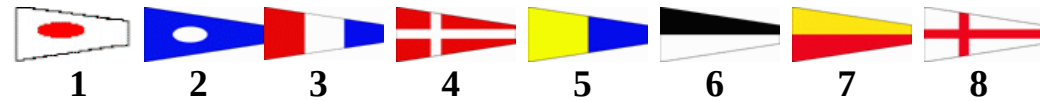
## Mark Descriptions

All marks are yellow spars or large inflated shapes.

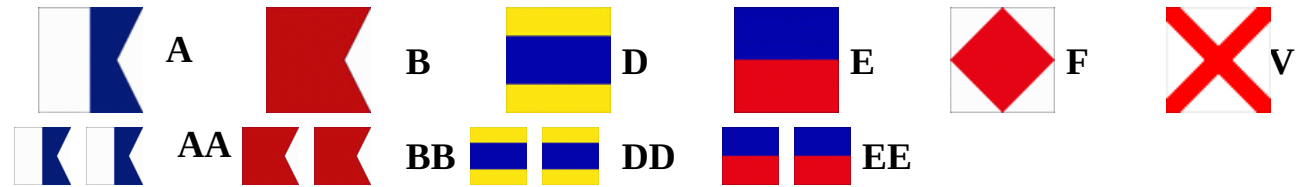
## Distances

| Course #                 | Weather Mark    |           |                |      |
|--------------------------|-----------------|-----------|----------------|------|
|                          | V               | A,B,D,E,F | AA, BB, DD, EE | T    |
| Course #                 | Course Distance |           |                |      |
| 1.0                      | 1.0             | 2.0       | 3.0            | 4.0  |
| 2.0                      | 2.0             | 4.0       | 6.0            | 8.0  |
| 3.0                      | 3.0             | 5.0       | 7.0            | 9.0  |
| 4.0                      | 4.0             | 7.0       | 10.0           | 13.0 |
| 5.0                      | 2.0             | 3.0       | 4.0            | 5.0  |
| 6.0                      | 3.0             | 5.0       | 7.0            | 9.0  |
| 7.0                      | 4.0             | 6.0       | 8.0            | 10.0 |
| 8.0                      | 5.0             | 8.0       | 11.0           | 14.0 |
| Distance to Weather Mark |                 |           |                |      |
|                          | 0.5             | 1.0       | 1.5            | 2.0  |

## Course Number Flags



## W (Weather Mark) Flags



## Magnetic Bearings

TO

## Mark Locations

| Mark | Latitude      | Longitude      |
|------|---------------|----------------|
| A    | 33° 56.243' N | 118° 29.606' W |
| AA   | 33° 55.770' N | 118° 29.779' W |
| B    | 33° 56.467' N | 118° 30.050' W |
| BB   | 33° 56.107' N | 118° 30.466' W |
| D    | 33° 56.827' N | 118° 30.337' W |
| DD   | 33° 56.647' N | 118° 30.899' W |
| E    | 33° 56.254' N | 118° 30.417' W |
| EE   | 33° 57.288' N | 118° 31.017' W |
| F    | 33° 57.669' N | 118° 30.270' W |
| G    | 33° 57.611' N | 118° 28.898' W |
| H    | 33° 57.367' N | 118° 28.655' W |
| J    | 33° 57.051' N | 118° 28.637' W |
| S    | 33° 57.187' N | 118° 29.216' W |
| T    | 33° 56.464' N | 118° 31.459' W |
| V    | 33° 57.007' N | 118° 29.777' W |
| SS   | 33° 57.547' N | 118° 28.093' W |
| 2ES  | 33° 54.698' N | 118° 27.563' W |
| SM1  | 34° 00.176' N | 118° 30.226' W |

FROM

|    | A   | AA  | B   | BB  | D   | DD  | E   | EE  | F   | G   | H   | J   | S   | T   | V   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| S  | 185 | 185 | 210 | 210 | 235 | 235 | 260 | 260 | 285 | 18  | 55  | 92  | -   | 235 | 235 |
| A  | -   | 185 | 288 | 245 | 300 | 277 | 313 | 298 | 325 | 9   | 21  | 31  | 5   | 264 | 33  |
| AA | 5   | -   | 330 | 288 | 323 | 300 | 327 | 313 | 335 | 8   | 17  | 23  | 5   | 283 | 28  |
| B  | 108 | 150 | -   | 210 | 312 | 270 | 325 | 302 | 337 | 26  | 38  | 50  | 30  | 256 | 44  |
| BB | 65  | 108 | 30  | -   | 355 | 312 | 348 | 325 | 352 | 27  | 26  | 44  | 30  | 280 | 18  |
| D  | 120 | 143 | 132 | 175 | -   | 235 | 338 | 295 | 350 | 43  | 55  | 67  | 55  | 235 | 55  |
| DD | 97  | 120 | 90  | 132 | 55  | -   | 20  | 338 | 13  | 46  | 55  | 64  | 55  | 235 | 55  |
| E  | 133 | 147 | 145 | 168 | 158 | 200 | -   | 260 | 2   | 60  | 72  | 84  | 80  | 214 | 65  |
| EE | 118 | 133 | 122 | 145 | 115 | 158 | 80  | -   | 45  | 66  | 74  | 83  | 80  | 190 | 68  |
| F  | 145 | 155 | 157 | 172 | 170 | 193 | 182 | 225 | -   | 79  | 89  | 101 | 105 | 206 | 75  |
| G  | 189 | 188 | 206 | 207 | 223 | 226 | 240 | 246 | 259 | -   | 127 | 145 | 198 | 228 | 216 |
| H  | 201 | 197 | 218 | 216 | 235 | 235 | 252 | 254 | 269 | 307 | -   | 163 | 235 | 235 | 235 |
| J  | 211 | 203 | 230 | 224 | 247 | 244 | 264 | 263 | 281 | 325 | 343 | -   | 272 | 242 | 253 |
| T  | 84  | 103 | 76  | 100 | 55  | 55  | 34  | 10  | 26  | 48  | 55  | 62  | 55  | -   | 55  |
| V  | 156 | 167 | 189 | 198 | 235 | 235 | 281 | 272 | 255 | 37  | 55  | 74  | 55  | 235 | -   |