

1. WEATHER TRANSMISSIONS

- 1.1 Weather information from a reliable source may be disseminated from the DRYC escort vessels if it is available to them prior to Roll Call.
- 1.2 No PRIVATE weather forecast or weather routing is allowed.

2. NOAA WEATHER TRANSMISSIONS

- 2.1 VHF Voice. Two NOAA Weather Stations broadcast a 100 mile range, continuous 24-hour marine weather information for the coastal and outer channel waters as far south as the Mexican boarder:

Los Angeles Weather Station	162.550 MHz	(WCh 1)
San Diego Weather Station	162.400 MHz	(WCh 2)
Orange County Station	162.450 MHz	(WCh 5)

- 2.2 SSB Voice. Marine weather bulletins are compiled by the National Weather Service and broadcast every hour by the National Bureau of Standards Frequency and Time Broadcast Services Radio Stations - WWV (Fort Collins, Colorado) and WWVH (Kauai, Hawaii). The weather broadcast is in 45-second segments separated by a 15-second interval.

Frequencies: 2.500.0, 5.000.0, 10,000.0, 15.000.0, 20.000.0 MHz
 Mode: Lower or upper sideband - (A3H) or AM

Station "WWV" 8,9, and 10 minutes past the hour
 Station "WWVH" 48, 49, 50 and 51 minutes past the hour

NOTE: The strength of "WWV" signal, on its various frequencies, can be useful in selecting the strongest band in Sections 2.3 and 2.4. In general the 8 and 12 megahertz band provides the best reception for the region from Mexico to San Francisco, although it may disappear at night. Four megahertz at night and 17 megahertz during the day are the next best choices.

- 2.3 SSB Facsimile. The USCG Station at Point Reyes, California ("NMC") transmits their 24 hour Weather Facsimile Schedule at 0304 and 1524 (PST) daily on the kHz frequencies; 8682 and 12786 and 17151.2. (USB Reception Frequency is 1.9 kHz below the assigned frequency, i.e., 8680.1, 12784.1.) A partial Schedule is listed at the end of this Weather Section. For a complete list of charts available from Point Reyes, visit their website page at:

<http://weather.noaa.gov/pub/fax/hfreyes.txt>

- 2.4 WWW Facsimile. NOAA maintains a website from which their Weather Charts can be downloaded using a personal computer equipped with software to read files in either .TIF, .GIF or text format. Their "*Marine Radiofax Charts*" page is at:

<http://weather.noaa.gov/fax/ptreyes.shtml>

The weather facsimile schedule for Zones 1, 4, 5, 6, 7, 8, and 10 is listed at the end of this section.

2.5 SSB Voice. Each day, the Point Reyes California USCG station (“NMC”) broadcasts NOAA weather forecasts for the area of Eastern Pacific Ocean:

<u>TIME (PST)</u>	<u>TIME (UTC)</u>	<u>FREQUENCIES (kHz) -USB (A3J)</u>
0230	1030	4426, 8764, 13089, 17314
0830	1630	4426, 8764, 13089, 17314
1430	2230	4426, 8764, 13089, 17314
2030	0430	4426, 8764, 13089, 17314

2.6 For additional information, visit: <http://www.nws.noaa.gov/om/marine/home.html> .
<http://www.SailFlow.com> .

3. HAM RADIO WEATHER TRANMISSIONS

3.1 The amateur radio operators’ net relay immediate weather and sea conditions reports from vessels en route along the Mexican coast. (No license is required to own or to monitor a ham radio.)

<u>TIME (PST)</u>	<u>NET</u>	<u>FREQUENCY (kHz)</u>
0530-0615	Weather or Not	3838 LSB
0615	Amigo Net w/ Don Anderson	8122 USB
0615-0730	Sonrisa Net	3968 LSB
0715	Amigo Net w/ Don Anderson	8122 USB
0730-0830	Chubasco Net	7294 LSB
0750	Chubasco Net Weather	7294 LSB
0800-0845	Baja Net	7260 LSB [ALT 7238]
0815	Baja Net Weather	7260 LSB [ALT 7238]
0830	Coast Guard Pacific Coast Rpt	8764 USB
0900-1900	Maritime Mobile Service Net	14300 USB
1030	Manana Net Warm UP	14340 USB
1100-1130	Manana Net Weather	14340 USB
1400-1435	Pacific Maritime Net	21402 USB
1430	Coast Guard Pacific Coast Rpt	8764 USB
1635	Amigo Net w/ Don Anderson	6224 USB
24 hours	Intercontinental Net	14300 USB
1900-2100	Pacific Seafarers Net	14300 USB
2130	Pacific Maritime Net Rollcall	14300 USB
2400	Happy Hour	3968-3980 LSB

3.2 The nets usually receive weather reports from cruising vessels near the beginning of their scheduled transmission period.

4. CLIMATOLOGY FOR MONTH OF FEBRUARY

4.1 The prevailing or mean wind direction over the route is between North and Northwest. Winds from the Northeast occur fairly often with high pressure over the Rockies. Average wind speed is between Beaufort force 3 and 4 or 7 to 16 knots. (Please refer to Climatology Chart at the end of this section.)

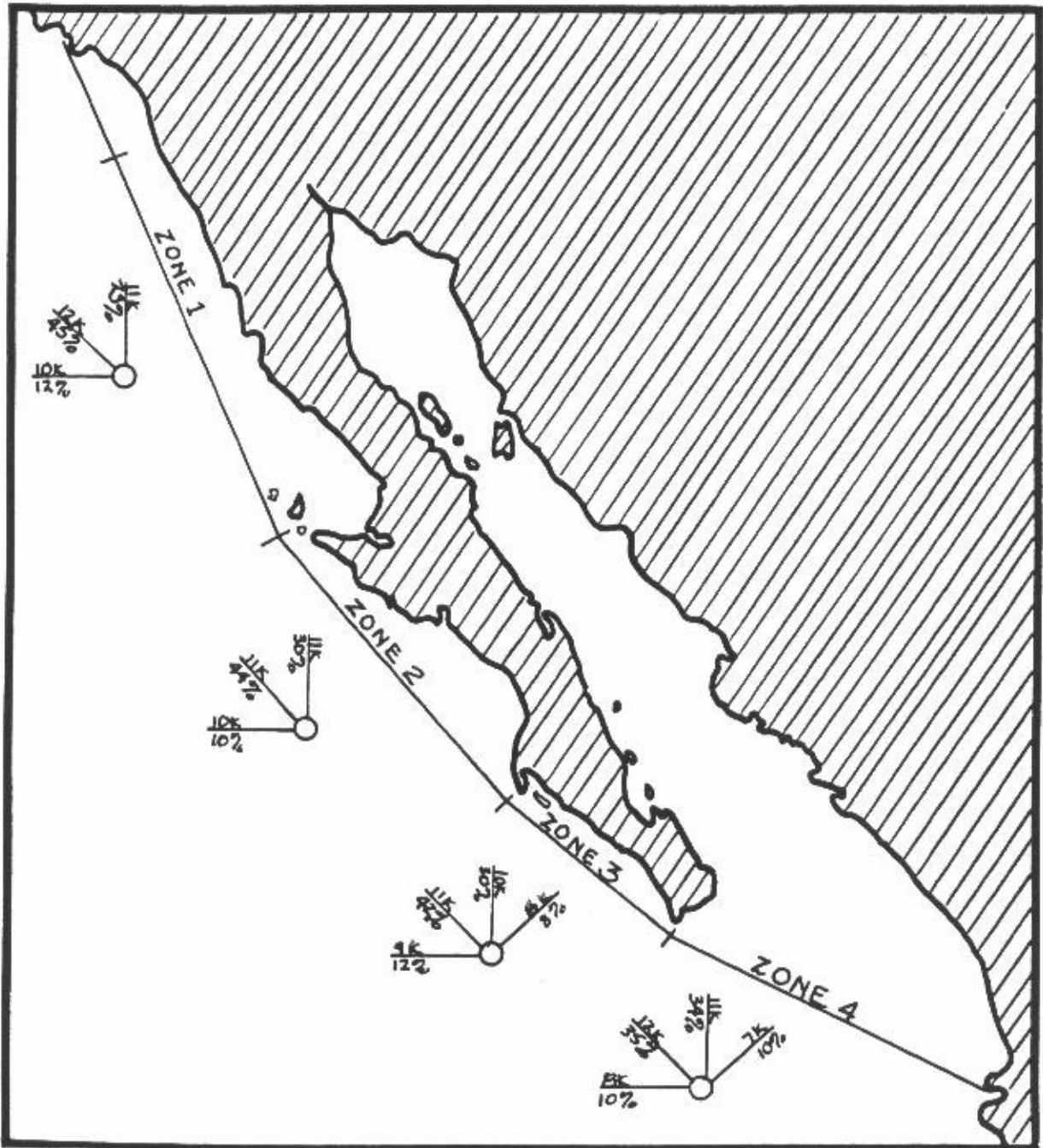
- 4.2 The mean air temperatures over the race course between 30 degrees North and 20 degrees North are as follows:
- Zone 1 — 58-60 degrees Fahrenheit
 - Zone 2 — 60-65 degrees Fahrenheit
 - Zone 3 — 65-68 degrees Fahrenheit
 - Zone 4 — 68-72 degrees Fahrenheit
- 4.3 Sea temperatures, on the average, will be about one degree less than the air temperature.
- 4.4 The main features of the surface weather chart, with an important bearing on the wind wind, will be the strength and location of the Pacific High pressure center, and/or the Great Basin High. The thermal low pressure area over Northwestern Mexico also is a factor.
- 4.4.1 A strong Pacific High would be favorable for fresh northwesterly winds over the first three zones.
 - 4.4.2 Strong Highs over the Great Basin (the Rocky Mountain States) are fairly common this month and they result in North to Northeast winds in Zones 1 and 2, and occasionally over the entire route.
 - 4.4.3 If the thermal low dominates, the winds will be light and variable.
- 4.5 Weak cold fronts, oriented Northeast-Southwest, occasionally move South, down over Baja California, bringing considerable cloudiness and showers.
- 4.5.1 Winds south of the front will be generally Southeast shifting to the Northwest with the passage of the front.
 - 4.5.2 These Northwest winds may reach 25 to 35 knots for periods usually less than one day.
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5. EXPLANATION OF WIND ROSES

The wind roses, on the chart that follows, show the distribution of the winds that have prevailed in the area over a considerable period of time. The wind percentages are summarized for the Cardinal and Intercardinal compass points. The arrows fly with the wind, indicating the direction from which the wind blows. The percentage values on the shafts are the percentage of the total number of observations in which the wind has blown from that direction and the number of knots is the average velocity of the wind from the indicated direction.

6. MARINA DEL REY TO PUERTO VALLARTA - MONTH OF FEBRUARY

AVERAGE WIND DIRECTION (%) AND AVERAGE VELOCITY (KTS)



7. WEATHER FACSIMILE SCHEDULE

<u>TIMES</u>	<u>FREQUENCIES</u>	<u>EMISSION</u>	<u>POWER</u>
Nights Only	4344.1 kHz	USB	4 KW
Continuous	8680.1 kHz	USB	4 KW
Continuous	12784.1 kHz	USB	4 KW
Continuous	17149.3 kHz	USB	4 KW
Days Only	22525.1 kHz	USB	4 KW

<u>TIME (PST)</u>	<u>TIME (UTC)</u>	<u>CONTENTS OF TRANSMISSION</u>	<u>VALID TIME</u>
1740/0600	0140/1400	-----TEST PATTERN-----	
1754/0614	0154/1414	Pacific GOES IR Satellite Image (05N-55N, E of 180W)	00/12
1805/0625	0205/1425	Sea State Analysis(20S-30N, E of 145W)	00/12
1815/0635	0215/1435	24HR Wind/Wave Forecast (20S-30N, E of 145W)	00/12
1825/ ----	0225/ ----	48HR Wind/Wave Forecast (20S-30N, E of 145W)	0000
1835/ ----	0235/ ----	72HR Wind/Wave Forecast (20S-30N, E of 145W)	0000
1845/0645	0245/1445	500MB Analysis (20N-70N, 115W-135E)	00/12
1855/0655	0255/1455	Wind/Wave Analysis (18N-62N, E of 157W)	00/12
1957/0757	0357/1557	High Wind/Waves (0N-40N, 80W-180W)	03/15
2008/0808	0408/1608	Surface Analysis (20S-30N, E of 145W)	00/12
0000/1040	0655/1840	-----TEST PATTERN-----	
2257/ ----	0657/ ----	(Rebroadcast of 2033Z) (20N-70N, 115W-135E)	1200
2307/ ----	0707/ ----	(Rebroadcast of 2043Z) (20N-70N, 115W-135E)	1200
2317/ ----	0717/ ----	(Rebroadcast of 2053Z) (20N-70N, 115W-135E)	1200
2327/ ----	0727/ ----	(Rebroadcast of 2103Z) (20N-70N, 115W-135E)	1200
---- /1052	---- /1852	SST Analysis (23N-42N, E of 150W)	Latest
2337/1102	0737/1902	GOES IR Satellite Image (05N-32N, E of 130W)	06/18
2348/1113	0748/1913	Wind/Wave Analysis (18N-62N, E of 157W)	06/18
2358/1123	0758/1923	24HR 500MB Forecast (20N-70N, 115W-135E)	00/12
0008/1133	0808/1933	24HR Surface Forecast (18N-62N, E of 157W)	00/12
0018/1143	0818/1943	24HR Wind/Wave Forecast (18N-62N, E of 157W)	00/12
0028/1153	0828/1953	48HR 500MB Forecast (20N-70N, 115W-135E)	00/12
0038/1203	0838/2003	48HR Surface Forecast (20N-70N, 115W-135E)	00/12
0048/1213	0848/2013	48HR Wind/Wave Forecast (20N-70N, 115W-135E)	00/12
0058/1223	0858/2023	48HR Wave Period/Swell Dir (20N-70N, 115W-135E)	00/12
---- /1233	---- /2033	96HR 500MB Forecast (20N-70N, 115W-135E)	1200
---- /1243	---- /2043	96HR Surface Forecast (20N-70N, 115W-135E)	1200
---- /1253	---- /2053	96HR Wind/Wave Forecast (20N-70N, 115W-135E)	1200
---- /1303	---- /2103	96HR Wave Period/Swell Dir (20N-70N, 115W-135E)	1200
0108/1313	0908/2113	GOES IR Satellite Image (05N-55N, E of 180W)	06/18
0145/1350	0945/2150	Surface Analysis (20S-30N, E of 145W)	06/18
0159/1404	0959/2204	24HR Wind/Wave Forecast (20S-30N, E of 145W)	06/18
0209/1414	1009/2214	High Wind/Waves (0N-40N, 80W-180W)	09/21
0320/1520	1120/2320	-----TEST PATTERN-----	
0304/1524	1124/2324	BROADCAST SCHEDULE (Part 1)	
0315/1535	1135/2335	BROADCAST SCHEDULE (Part 2)	
0408/ ----	1208/ ----	48HR Wind/Wave Forecast (20S-30N, E of 145W)	1200
0418/ ----	1218/ ----	72HR Wind/Wave Forecast (20S-30N, E of 145W)	1200
0428/1546	1228/2346	48HR Wave Period/Swell Dir (20S-30N, E of 145W)	12/00
---- /1556	---- /2356	72HR Wave Period/Swell Dir (20S-30N, E of 145W)	0000

Note: SST = Sea Surface Temperatures