

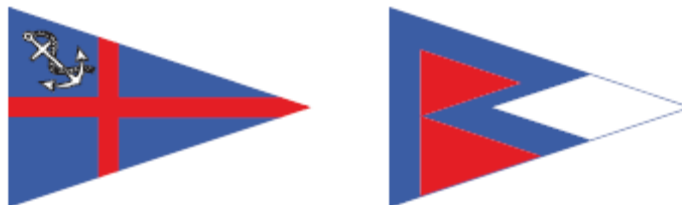
Sailing Instructions

2009 Corinthian Cup

Saturday, May 23

Sunday, May 24

Marina del Rey, California



Hosted by South Coast Corinthian and Redondo Beach Yacht Clubs

- RULES:** This series will be governed by *The Racing Rules of Sailing for 2009-2012*, the prescriptions of US Sailing and the Sailing Instructions. The Sailing Instructions on mark chart handouts DO NOT APPLY, and these Sailing Instructions take precedence. Compliance with safety equipment and rules of the road on the open sea are required for all yachts. Yellow pennants will be distributed at each Club, and these pennants should be displayed during both racing days from the backstay or stern pulpit area of each competing boat.
- NOTICE TO COMPETITORS:** Any Notices to Competitors will be posted at the clubs no later than 0900 hours each day or given by the Race Committee on station for each race.
- SCHEDULE:** One race is planned for Saturday, and one is planned for Sunday. The warning signal for the race each day shall be at 1155 hours.
- CLASSES:** There will be three classes: Cruisers under 30 feet, Cruisers 30 feet and over, and PHRF (all ratings). Cruisers without a PHRF rating will be assigned one by the race committee. The Race Committee reserves the option to assign entries to classes for competitive balance.
- THE START:** Races will be started in accordance with Rule 26. All classes will start between the starting mark and an orange flag on the Race Committee boat.
Class flags:
 - Red sleeve - PHRF and 30+
 - Yellow cone - under 30.Start lines and times are as follows:
 - Saturday MdR "H" mark
 - 1200 hours: PHRF and 30' + over
 - 1205 hours: under 30'
 - Sunday KH "S" mark Vicinity
 - 1200 hours: PHRF and 30' + over
 - 1205 hours: under 30'

- COURSES:**

Saturday From the starting line, proceed to marks as follows, leaving all marks to **port**, and finishing inside King Harbor per FINISH instructions:

Cruiser Under 30 Feet 10 nm

 - MdR "S"
 - El Segundo Bell Buoy "2ES"
 - KH "C"
 - KH "X"
 - Finish inside

Cruiser 30 Feet and Over 12 nm

 - MdR "D"
 - El Segundo Bell Buoy "2ES"
 - KH "F"
 - KH "X"
 - Finish inside

PHRF 13 nm

 - MdR "T"
 - El Segundo Bell Buoy "2ES"
 - KH "F"
 - KH "X"
 - Finish inside

Sunday From the starting line, proceed to marks as follows, leaving all marks to **starboard**, and finishing inside MdR south entrance per FINISH instructions:

Cruiser Under 30 Feet 10 nm

 - KH "A"
 - El Segundo Bell Buoy "2ES"
 - MdR "S"
 - Finish inside

Cruiser 30 Feet and Over 12 nm

 - KH "F"
 - El Segundo Bell Buoy "2ES"
 - MdR "D"
 - Finish inside

PHRF 13 nm

 - KH "F"
 - El Segundo Bell Buoy "2ES"
 - MdR "T"
 - Finish inside

7. **MARKS:** Approximate positions of Buoys
MDR(reference MDR Course Chart 16):
 MdR "H" Yellow Spar N 33° 57.367'
 W 118° 28.655'
 MdR "D" Yellow Spar N 33° 56.827'
 W 118° 30.337'
 MdR "S" Yellow Spar N 33° 57.187'
 W 118° 29.216'
 MdR "T" Yellow Spar N 33° 56.464'
 El Segundo "2ES" Bell Buoy.
 N 33° 54.698'
 W 118° 27.563'

KH(KH mark positions appear accumulated in a table at the bottom of this page with sources indicated)

If a mark is missing, proceed around the GPS position listed for the mark as though the mark existed.

8. **THE FINISH:**

Saturday: The finish line is between the light on the inner breakwater and an orange flag on the Race Committee boat anchored inside the outer breakwater.

ALL RACING YACHTS ARE TO LEAVE THE WHITE AND ORANGE BUOY MARKING THE CENTER OF THE KING HARBOR ENTRANCE CHANNEL TO PORT when entering King Harbor.

For purposes of the racing rules, consider the white and orange buoy a course mark.

Sunday: The finish line is between the light on the detached breakwater at the South Entrance to Marina del Rey and an orange flag on the committee boat anchored in the mouth of Ballona Creek.

9. **EXCEPTIONS:** Rule 44.2 is changed to a 360-degree turn including one tack and one gybe.
10. **TIME LIMIT:** Each race leg will be abandoned after 1700 hours. Boats finishing after 1700 will be scored DNF. This changes Rule 35.
11. **PROTESTS:** Protestor must notify protested yacht at the first reasonable opportunity, must fly a red flag from the backstay or other aft position readily visible, and must notify the Race Committee on station at the end of the protested race leg of the intent to file a protest. Protests must be filed in writing (forms available) at destination Club within 90 minutes of the finish time of the last yacht to finish.
12. **SCORING SYSTEM:** There are two legs to the race, one leg each day. The corrected finish times for each leg will be added for each boat to determine the class position.
13. **CHECK IN:** Contestants are requested to check in prior to the first warning signal each day, and to notify the Race Committee if they leave the course during racing.
14. **PRIZES:** Commemorative Series Glass Trophies will be awarded at the SCCYC Clubhouse after racing is completed on Sunday. Trophies will be awarded as follows (based on three classes of boats)
 1st Place – 3 Glasses
 2nd Place – 2 Glass
 3rd Place – 1 Glass
 4th Place – 1 Glass
 A name plate for the winner of each class will be added to the perpetual trophy.

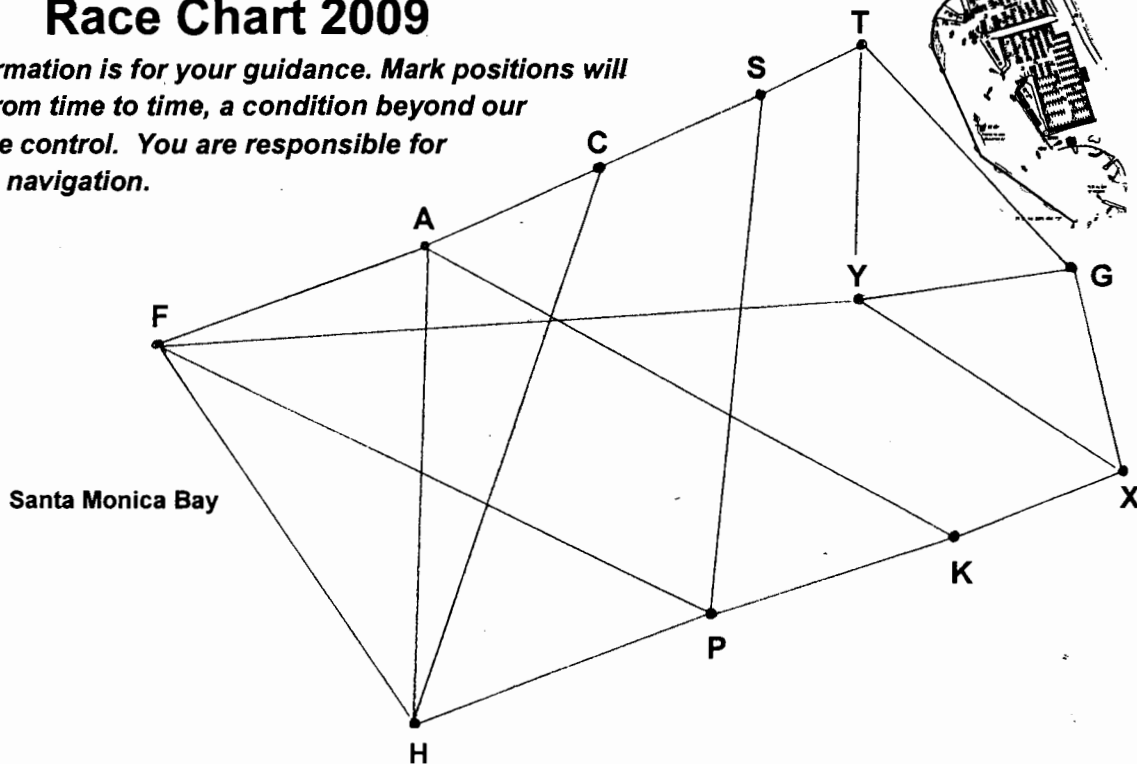
King Harbor Marks (From Charts Posted on RBYC and KHYC Web Sites)				
Mark	RBYC (2007)		KHYC Race Chart(1/1/2009)	
			(verbatim seconds)	(translated to decimal)
KH "A" Yellow Spar	N 33° 50.43'	N 33° 50' 30"	N 33° 50.50'	
	W 118° 25.76'	W 118° 25' 43"	W 118° 25.72'	
KH "C" Yellow Spar	N 33° 50.67'	N 33° 50' 41"	N 33° 50.68'	
	W 118° 25.08'	W 118° 25' 06"	W 118° 25.10'	
KH "F" Yellow Spar	N 33° 49.98'	N 33° 50' 05"	N 33° 50.08'	
	W 118° 26.95'	W 118° 26' 55"	W 118° 26.92'	
KH "S" Yellow Spar	N 33° 50.84'	N 33° 50' 50"	N 33° 50.83'	
	W 118° 24.65'	W 118° 24' 40"	W 118° 24.67'	
KH "X" Yellow Spar	N 33° 49.77'	N 33° 49' 46"	N 33° 49.77'	
	W 118° 23.81'	W 118° 23' 49"	W 118° 23.82'	

KING HARBOR YACHT CLUB

KHYC

Race Chart 2009

This information is for your guidance. Mark positions will change from time to time, a condition beyond our immediate control. You are responsible for your own navigation.

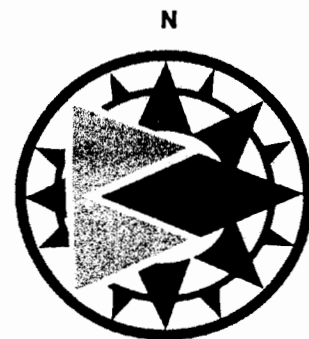


Approximate Mark Locations

Racing Mark	Latitude(N)			Longitude(W)			Buoy Type	Racing Mark	Latitude(N)			Longitude(W)			Buoy Type
	Deg	Min	Sec	Deg	Min	Sec			Deg	Min	Sec	Deg	Min	Sec	
T-Mark	33	50	60	118	24	17	Yellow Spar	X-Mark	33	49	46	118	23	49	Yellow Spar
S-Mark	33	50	50	118	24	40	Yellow Spar	K-Mark	33	49	36	118	24	09	Yellow Spar
C-Mark	33	50	41	118	25	06	Yellow Spar	P-Mark	33	49	25	118	24	35	Yellow Spar
A-Mark	33	50	30	118	25	43	Yellow Spar	H-mark	33	49	08	118	25	11	Yellow Spar
F-Mark	33	50	05	118	26	55	Yellow Spar	W-Mark	33	50	21	118	23	45	RB-MC1
Y-mark	33	50	08	118	24	16	Yellow Spar	"10PV" red	33	46	24	118	26	42	Bell Buoy
G-Mark	33	50	23	118	23	47	Bell Buoy	"12PD" red	33	59	36	118	48	18	Bell Buoy

Approximate magnetic Headings

From-->	A	C	F	G	H	K	P	S	T	Y	X
To											
A		232	054	261	329	291	306	236	235	273	282
C	052		055	272	349	311	329	233	232	295	297
F	234	235		250	290	269	276	235	234	255	264
G	081	092	070		030	008	022	109	132	046	349
H	149	169	110	210		228	227	181	189	204	228
K	111	131	089	188	048		051	148	162	157	228
P	126	149	096	202	047	231		165	176	187	229
S	056	053	055	289	001	328	345		232	322	313
T	055	052	054	312	009	342	356	052		346	329
Y	093	115	075	226	024	337	007	142	166		302
X	102	117	082	169	048	048	049	134	149	122	



KHYC COURSE CHART 2009 (side 2)

"S" START							
Course							Distance
1	S	C	S				0.8 NM
2	S	C	T	S			1.5 NM
3	S	A	S				1.9NM
4	S	A	T	S			2.6 NM
5	S	F	S				4.0 NM
6	S	F	T	S			4.8 NM
7	S	H	S				3.3 NM
8	S	H	T	S			4.1 NM
9	S	K	S				2.6 NM
10	S	K	T	S			3.1 NM
11	S	A	Y	T	S		3.4 NM
12	S	C	Y	T	S		2.5 NM
13	S	Y	Xs	Ks	S		2.9 NM
14	S	T	C	S			1.5 NM
15	S	T	A	S			2.6 NM
16	S	T	F	S			4.8 NM
17	S	C	T	C	T	S	3.0 NM
18	S	A	T	A	T	S	5.2 NM
19	S	F	T	A	T	S	7.4 NM
20	S	A	C	A	T	S	3.7 NM
21	S	Ps	Hs	As	Ts	S	5.1 NM
22	S	Xs	Ks	As	T	S	4.9 NM
23	S	Ks	C	P	S		5.4 NM
24	S	Ys	C	P	S		4.4 NM
25	S	F	X	Ps	S		6.8 NM

"K" START						
Course					Distance	
1	K	P	K		0.8 NM	
2	K	H	K		2.0 NM	
3	K	P	X	K	1.5 NM	
4	K	H	X	K	2.6 NM	
5	K	Y	K		1.1 NM	
6	K	T	X	K	3.0 NM	
7	K	F	K		4.7 NM	
8	K	A	S	K	3.8 NM	
9	K	P	X	P	K	2.3 NM
10	K	H	X	H	K	4.6 NM
11	K	C	A	K		3.5 NM

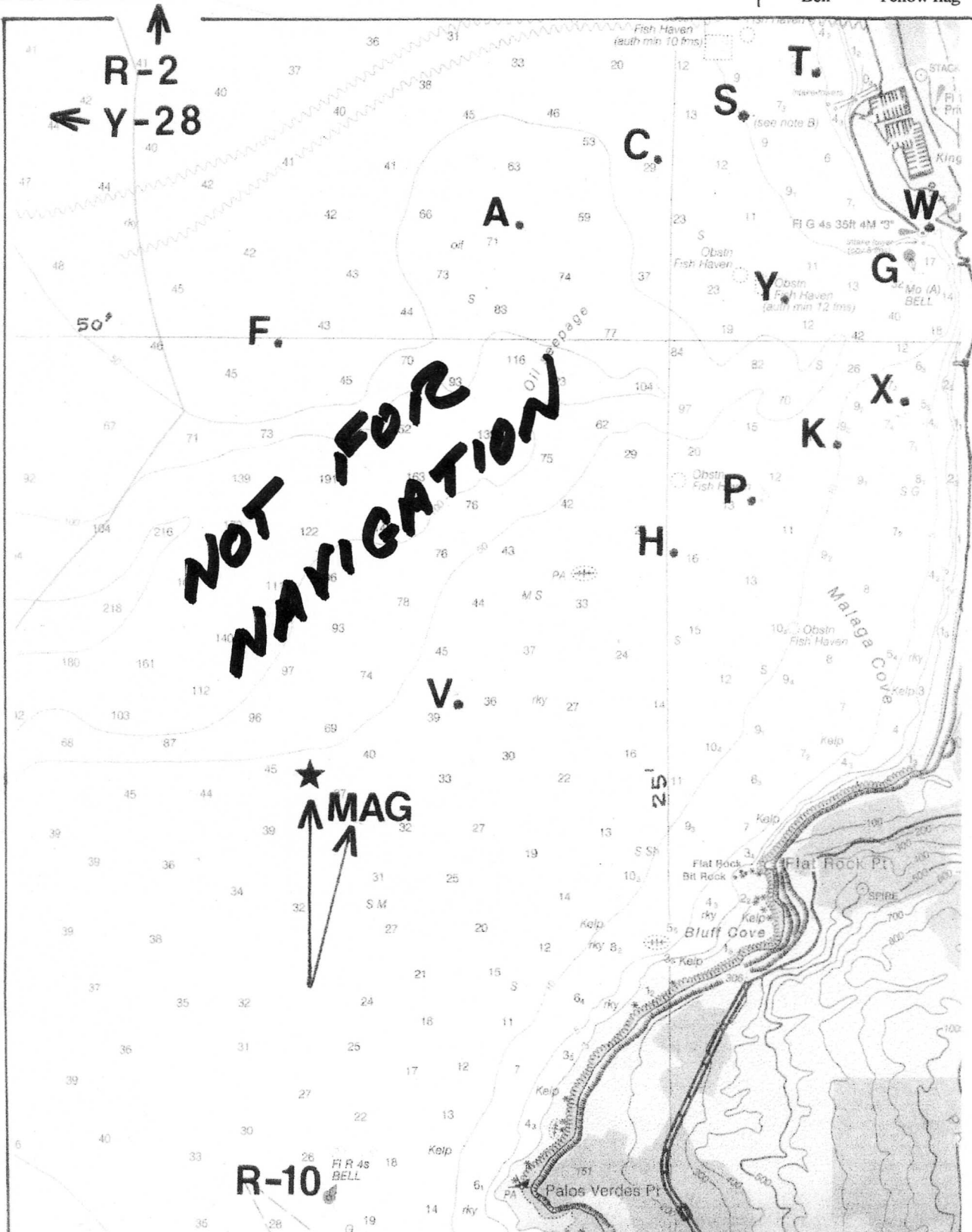
"Y" START							
Course						Distance	
1	Y	K	Y			1.1 NM	
2	Y	H	Y			2.5 NM	
3	Y	H	T	F	T	Y	8.9 NM
4	Y	H	T	Y			4.1 NM
5	Y	K	T	Y			2.8 NM
6	Y	X	A	Y			3.6 NM
7	Y	F	Y				4.4 NM
8	Y	C	X	Y			2.8 NM
9	Y	S	P	Y			3.0 NM
10	Y	A	X	Y			3.6 NM
11	Y	Ts	K	Y			2.8 NM

MARK LOCATIONS

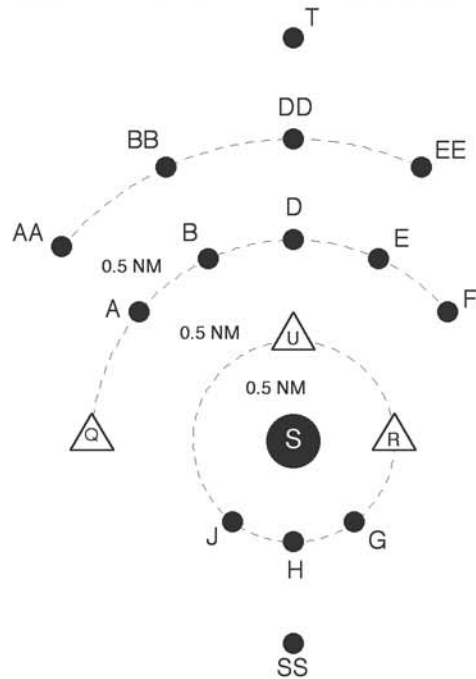
GPS data taken on 2007/7/30 afternoon (Winds: WSW10)
 (Data for R-2ES and Y-28 are from NOAA Chart 18744)

Mark ¹	N.Lat-33°	W.Lon-118°	Mark ¹	N.Lat-33°	W.Lon-118°	Mark ¹	N.Lat-33°	W.Lon-118°
A	50.43	25.76	KHYC ²	50.90	24.03	V*	48.65	26.05
C	50.67	25.08	P	49.41	24.58	W(Entr) ²	50.48	23.68
F	49.98	26.95	R-2(ES) ³	54.70	27.56	X	49.77	23.81
G ³	50.35	23.76	R-10(PV) ³	46.38	26.70	Y	50.14	24.27
H	49.21	24.97	S	50.84	24.65	Y-28°	51.27	37.97
K	49.61	24.15	T	50.99	24.29			

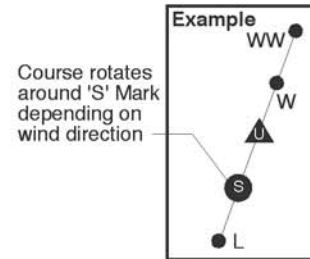
¹ Marks are spars except.. ² White can
³Bell *Yellow flag °Yellow ball



Marina del Rey Course Chart 16



2ES
El Segundo
Bell Buoy
R"2ES"



Course rotates
around 'S' Mark
depending on
wind direction

SM1
Santa Monica
Bell Buoy "1"

Santa Monica Pier

Venice Pier



Course Instructions

Start and finish in the vicinity of **S** mark.

Leave all rounding marks to **PORT**.

WW, **W** and **U** are weather marks.

L and **S** are leeward marks.

Courses will be signaled by code flags:

Number pennant(s) for the course number;

A letter flag for the **DIRECTION** to the first mark (see compass bearing table on other side).

Mark Identification Table

If letter flag is:	A	B	D	E	F	G	H	J	Q	R
then WW is	AA	BB	DD	EE	-	-	-	-	-	-
W is	A	B	D	E	F	G	H	J	Q	R
U is	located halfway between S mark and W , if set									
L is	G	G	H	J	J	B	D	E	R	Q



North

Upwind Finishes

No	Course	Distance
1	Start-U-L-Finish	2NM
2	Start-U-S-U-L-Finish	3NM
3	Start-U-S-U-S-U-L-Finish	4NM
4	Start-W-L-Finish	3NM
5	Start-W-S-U-L-Finish	4NM
6	Start-W-S-W-L-Finish	5NM
7	Start-W-S-U-S-U-L-Finish	5NM
8	Start-W-L-W-L-Finish	6NM
9	Start-W-S-W-S-U-L-Finish	6NM
10	Start-W-S-W-S-W-L-Finish	7NM
11	Start-W-S-W-L-W-L-Finish	8NM
12	Start-WW-S-W-L-Finish	6NM
13	Start-WW-S-WW-L-Finish	7NM
14	Start-WW-L-WW-L-Finish	8NM
15	Start-WW-S-W-S-W-L-Finish	8NM

Downwind Finishes

No	Course	Distance
20	Start-U-S-U-Finish	2NM
21	Start-U-S-U-S-U-Finish	3NM
22	Start-W-S-U-Finish	3NM
23	Start-W-S-W-Finish	4NM
24	Start-W-S-U-S-U-Finish	4NM
25	Start-W-L-W-Finish	5NM
26	Start-W-S-U-S-W-Finish	5NM
27	Start-W-S-W-S-W-Finish	6NM
28	Start-W-S-W-L-W-Finish	7NM
29	Start-W-L-W-L-W-Finish	8NM
30	Start-WW-S-W-Finish	5NM
31	Start-WW-S-WW-Finish	6NM
32	Start-WW-L-W-Finish	6NM
33	Start-WW-S-W-S-W-Finish	7NM
34	Start-WW-S-WW-S-W-Finish	8NM

Special Courses

40+ See Sailing Instructions

Marina del Rey Course Chart 16

TO
Approximate magnetic course between marks
→

FROM	A	AA	B	BB	D	DD	E	EE	F	G	H	J	Q	R	S	T	SS	2ES	SM1
S	185	185	210	210	235	235	260	260	285	18	55	92	145	325	-	235	55	138	331
A	-	185	288	245	300	277	313	298	325	9	21	31	75	352	5	264	30	119	339
AA	5	-	330	288	323	300	327	313	335	8	17	23	46	355	5	283	25	107	342
B	108	150	-	210	312	270	325	302	337	26	38	50	88	9	30	256	42	117	344
BB	65	108	30	-	355	312	348	325	352	27	36	44	70	15	30	280	40	107	349
D	120	143	132	175	-	235	338	295	350	43	55	67	100	28	55	235	55	119	348
DD	97	120	90	132	55	-	20	338	13	46	55	64	89	37	55	235	55	112	355
E	133	147	145	168	158	200	-	260	2	60	72	84	113	50	80	214	68	124	349
EE	118	133	122	145	115	158	80	-	45	66	74	83	105	61	80	190	70	118	359
F	145	155	157	172	170	193	182	225	-	79	89	101	125	77	105	206	80	129	347
G	189	188	206	207	223	226	240	246	259	-	127	145	162	262	198	228	82	146	323
H	201	197	218	216	235	235	252	254	269	307	-	163	172	280	235	235	55	148	321
J	211	203	230	224	247	244	264	263	281	325	343	-	175	298	272	242	28	146	324
Q	255	226	268	250	280	269	293	285	305	342	352	355	-	325	325	262	10	133	329
R	172	175	189	195	208	217	230	241	257	82	100	118	145	-	145	221	82	139	332
T	84	103	76	100	55	55	34	10	26	48	55	62	82	41	55	-	55	105	2
SS	210	205	222	220	235	235	248	250	260	262	235	208	190	262	235	235	-	158	312
2ES	299	287	297	287	299	292	304	298	309	326	328	326	313	319	318	285	338	-	324
SM1	159	162	164	169	168	175	169	179	167	143	141	144	149	152	151	182	132	144	-

Mark Locations

Mark	Latitude	Longitude
A	33° 56.243' N	118° 29.606' W
AA	33° 55.770' N	118° 29.799' 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° 57.254' 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
Q	33° 56.257' N	118° 28.779' W
R	33° 57.652' N	118° 29.434' W
S	33° 57.187' N	118° 29.216' W
T	33° 56.464' N	118° 31.459' 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

Please note: These are the designated waypoints for the marks; every effort is made to keep them as close as possible to the above coordinates, but there is no guarantee as to their actual positions. Marks A through SS are owned and maintained by the Yacht Clubs in MdR and may only be used with prior approval from the Buoy Coordinator.

Description of Marks

A, AA, D, DD, T, F and H marks are yellow spars.
 B, BB, E, EE, G, J and SS marks are yellow spars with black bands.
 Q, R and U are inflatable or flag marks that may be set by the race committee.
 2ES is the El Segundo bell buoy.
 SM1 is the Santa Monica bell buoy.
 Missing marks may be replaced by inflatable or flag marks.

Handicap Distances

The handicap distance from S to:

- G, H, J or R = 0.5 NM
- A, B, D, E, F, Q or SS = 1.0 NM
- AA, BB, DD or EE = 1.5 NM
- T = 2.0 NM