

2020

ORC Club Certificate Appendix

BOAT	
Name	PLANEER
Sail Nr	EST 817
Certificate Number	
Issued On	28/05/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1151.0	950.8	836.2	766.1	739.4	729.8	733.6
52°	749.9	630.6	567.1	537.7	524.3	519.4	517.7
60°	708.5	599.3	548.8	525.0	511.5	504.9	501.5
75°	679.8	577.2	535.5	514.2	498.0	484.8	472.4
90°	688.7	579.4	527.3	504.0	493.1	476.4	448.5
110°	690.8	568.6	520.3	493.4	468.7	448.2	426.8
120°	712.3	583.2	526.4	498.1	472.0	446.9	406.2
135°	787.7	639.0	553.3	516.0	490.6	464.9	416.6
150°	936.5	738.1	621.0	549.7	516.3	492.6	445.9
Run VMG	1081.4	852.3	716.5	626.3	565.6	526.5	479.7
Selected Courses							
Windward / Leeward	1116.1	901.6	776.4	696.2	652.5	628.1	606.6
Circular Random	933.5	750.1	650.9	592.8	557.2	534.4	507.2
Coastal / Long Distance	1112.7	846.3	698.9	610.1	566.7	534.3	482.5
Non Spinnaker	989.9	790.1	680.8	616.2	576.4	550.9	520.7

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.8°	41.3°	40.9°	39.4°	38.3°	38.6°	39.4°
Beat VMG	3.13	3.79	4.31	4.70	4.87	4.93	4.91
52°	4.80	5.71	6.35	6.70	6.87	6.93	6.95
60°	5.08	6.01	6.56	6.86	7.04	7.13	7.18
75°	5.30	6.24	6.72	7.00	7.23	7.43	7.62
90°	5.23	6.21	6.83	7.14	7.30	7.56	8.03
110°	5.21	6.33	6.92	7.30	7.68	8.03	8.44
120°	5.05	6.17	6.84	7.23	7.63	8.05	8.86
135°	4.57	5.63	6.51	6.98	7.34	7.74	8.64
150°	3.84	4.88	5.80	6.55	6.97	7.31	8.07
Run VMG	3.33	4.22	5.02	5.75	6.37	6.84	7.51
Gybe Angles	146.0°	150.0°	151.0°	157.0°	180.0°	180.0°	180.0°