

RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date		Start time			SCT		Insert CN to exclude from SCT:		CN	
Ledge Buoy Race		06-Jun-10		17:00:00			2:05:14		Min boats contributing to SCT:		3	
Boat Name	Class	Sail No.	PY	H/cap	Finish	Elapsed	Laps	Corrected	Place	Achieved	YR2	SCT
				H/cap	status	time	time	time		performance %		input?
CUMFRUMBRUM	1	6037T	860	RN	18:44:23	1:44:23		2:01:23	1	834	-3.1%	yes
RESOLUTION	1	123	871	RN	18:49:37	1:49:37		2:05:51	2	875	0.5%	yes
BLUE MOON	1	8504R	843	RN	18:46:21	1:46:21		2:06:09	3	849	0.7%	yes
WOOLLEY KNICKERS	1	6537Y	884	RN	18:52:44	1:52:44		2:07:32	4	900	1.8%	yes
WICKED	1	7751T	967	CN	19:08:51	2:08:51		2:13:15	5	1029	6.4%	XX
SEA ANGEL	1	9050T	963	RN	19:10:14	2:10:14		2:15:14	6	1040	8.0%	XX
ROSENDA II	3	11	1131	CN	19:35:03	2:35:03		2:17:05	7	1238	9.5%	XX
PEREGRINE	3	004	1148	CN	19:38:39	2:38:39		2:18:12	8	1267	10.4%	XX
IMAGIKATION	1	7727	910	RN	19:06:26	2:06:26		2:18:56	9	1010	10.9%	XX
OUTFOXED	PROV	238	1225	CN	20:00:35	3:00:35		2:27:25	10	1442	17.7%	XX
AMICUS	3	383	1041	CN	RTD							
SUMMER LIGHTNING	1	8971	967	RN	RTD							

RYA YR2 Performance Assessment:

The distribution of corrected times across a fleet will typically be 'skewed' since it is easier to make mistakes than to avoid them. The performance standard is defined as the corrected time achieved by the largest group of boats, the peak or 'mode' of the distribution, and the YR2 procedure allows for this typical distribution in calculating the Standard Corrected Time (SCT). The average of corrected times for the top two thirds of the PY, SY & RN boats in the race gives the Average Corrected Time (ACT). ACT+5%, corresponding to the statistically average performer relative to handicap two thirds down the fleet, is added to define the 'poor performance' limit. The corrected times of all PY, SY & RN boats faster than ACT+5% are then averaged to give the SCT for the race. This new group of boats may be the same as the original two thirds or more or less, depending on the performance distribution in each race. The elapsed time for each boat is divided by the SCT and multiplied by 1000 to give its 'achieved performance'. Corrected times worse than ACT+5% are defined as 'poor' and should be excluded in calculating a boat's average performance for handicap assessment.