

RYA Race Result and YR2 Achieved Performance Spreadsheet

Race	Date		Start time		SCT		Insert CN to exclude from SCT:	CN				
Late Summer 1	08-Aug-10		09:12:38		1:53:32		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?
RESOLUTION	1	123	873	RN	10:44:45	1:32:07		1:45:31	1	811	-7.1%	yes
OWEN'S J	PROV	4236	793	CN	10:36:21	1:23:43		1:45:34	2	737	-7.0%	
COLLABORATION	1	9627R	894	RN	10:55:33	1:42:55		1:55:07	3	906	1.4%	yes
WICKED	1	7751T	965	CN	11:04:11	1:51:33		1:55:36	4	982	1.8%	
SUMMER LIGHTNING	1	8971	979	RN	11:06:35	1:53:57		1:56:24	5	1004	2.5%	yes
KERCHING	1	9091T	823	RN	10:49:01	1:36:23		1:57:07	6	849	3.2%	yes
ALLEGRETTO	3	3551Y	1023	CN	11:14:39	2:02:01		1:59:16	7	1075	5.0%	XX
ROSENDA II	3	11	1132	RN	DNF							
SEA ANGEL	1	9050T	967	RN	DNF							
BIG TEAU	1	654	958	CN	DNS							
MOONLIGHT	3	110	1103	CN	RTD							
OUTFOXED	3	238	1172	CN	RTD							
WILFUL	1	7351Y	949	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.