

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date	Start time		SCT		Insert CN to exclude from SCT:		CN		
Spring 3 - Class 1		31-May-09	16:20:20		1:44:05		Min boats contributing to SCT:		2		
Boat Name	Class	Sail No.	PY	H/cap H/cap status	Finish time	Elapsed time	Laps Corrected time	Place	Achieved performance %	YR2	SCT input?
JESSIE MAE	1	8189	830	RN	17:42:20	1:22:00	1:38:48	1	788 -5.1%		yes
BLUE MOON	1	8504R	830	RN	17:45:39	1:25:19	1:42:47	2	820 -1.2%		yes
WOOLLEY KNICKERS	1	6537Y	880	RN	17:51:30	1:31:10	1:43:36	3	876 -0.5%		yes
IMAGIKATION	1	7727	909	RN	17:57:02	1:36:42	1:46:23	4	929 2.2%		yes
SEA ANGEL	1	9050T	978	RN	18:06:45	1:46:25	1:48:49	5	1022 4.6%		yes
WILFUL	1	7351Y	965	RN	18:06:04	1:45:44	1:49:34	6	1016 5.3%	XX	
WICKED	1	7751T	969	CN	18:06:45	1:46:25	1:49:49	7	1022 5.5%	XX	
RESOLUTION	1	123	882	RN	17:57:30	1:37:10	1:50:10	8	934 5.9%	XX	
SUMMER LIGHTNING	1	8971	949	RN	18:09:51	1:49:31	1:55:24	9	1052 10.9%	XX	

**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.