

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date	Start time		SCT		Insert CN to exclude from SCT:		CN		
Easter 2 - Handicap		11-Apr-08	10:40:00		1:12:47		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?
WILFUL	1	7351Y	978	RN	11:46:55	1:06:55	1:08:25	1	919	-6.0%	yes
BLUE MOON	1	50	827	RN	11:37:55	0:57:55	1:10:02	2	796	-3.8%	yes
BIG TEAU	1	654	958	CN	11:52:34	1:12:34	1:15:45	3	997	4.1%	
SUMMER LIGHTNING	1	8971	942	RN	11:51:47	1:11:47	1:16:12	4	986	4.7%	yes
KERCHING	1	9091T	857	RN	11:45:33	1:05:33	1:16:29	5	901	5.1%	yes
CUMFRMBRUM	1	6037T	852	RN	11:50:08	1:10:08	1:22:19	6	964	13.1%	XX
SEA ANGEL	1	9050T	973	RN	12:07:59	1:27:59	1:30:25	7	1209	24.2%	XX
EMERILLON	1	7956T	990	RN	12:12:16	1:32:16	1:33:12	8	1268	28.1%	XX
SWISS ROLL	3	9458T	1051	CN	12:24:04	1:44:04	1:39:01	9	1430	36.0%	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.