

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date		Start time			SCT		Insert CN to exclude from SCT:		CN	
LTSC Trophy		27-Jul-08		17:05:00			1:39:15		Min boats contributing to SCT:		2	
Boat Name	Class	Sail No.	PY	H/cap	Finish	Elapsed	Laps	Corrected	Place	Achieved	YR2	SCT
			H/cap	status	time	time		time		performance %		input?
WILFUL	1	7351Y	983	CN	18:39:22	1:34:22		1:36:00	1	951	-3.3%	
RESOLUTION	1	123	880	RN	18:30:40	1:25:40		1:37:21	2	863	-1.9%	yes
BLUE MOON	1	50	829	RN	18:26:28	1:21:28		1:38:16	3	821	-1.0%	yes
CUMFRMBRUM	1	6037T	853	RN	18:29:24	1:24:24		1:38:57	4	850	-0.3%	yes
SEA ANGEL	1	9050T	971	RN	18:41:09	1:36:09		1:39:01	5	969	-0.2%	yes
JESSIE MAE	1	8189	816	RN	18:27:01	1:22:01		1:40:31	6	826	1.3%	yes
ROSENDA II	3	11	1124	CN	18:58:51	1:53:51		1:41:17	7	1147	2.1%	
KERCHING	1	9091T	859	CN	18:32:01	1:27:01		1:41:18	8	877	2.1%	
KISSY WISSY	1	8759T	906	RN	18:36:50	1:31:50		1:41:22	9	925	2.1%	yes
CHIRON	3	cr1787	1083	CN	18:56:56	1:51:56		1:43:21	10	1128	4.1%	Poor
SUMMER LIGHTNING	1	8971	942	CN	18:44:24	1:39:24		1:45:31	11	1002	6.3%	Poor
PEREGRINE	3	004	1206	CN	19:13:03	2:08:03		1:46:11	12	1290	7.0%	Poor
GLASHEN	3	144	1245	CN	19:25:39	2:20:39		1:52:58	13	1417	13.8%	Poor

### 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.