

RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date		Start time			SCT		Insert CN to exclude from SCT:		CN	
Anchor Trophy		11-Jul-10		09:21:24			1:52:11		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?
COLLABORATION	1	9627R	901	RN	11:00:55	1:39:31		1:50:27	1	887	-1.5%	yes
IMAGIKATION	1	7727	904	RN	11:01:33	1:40:09		1:50:47	2	893	-1.2%	yes
WILFUL	1	7351Y	950	RN	11:07:27	1:46:03		1:51:38	3	945	-0.5%	yes
BLUE MOON	1	8504R	843	RN	10:55:43	1:34:19		1:51:53	4	841	-0.3%	yes
TAKE 5	3	1021T	1072	CN	11:21:22	1:59:58		1:51:55	5	1069	-0.2%	
ARRY AWK	PROV	301	982	CN	11:11:34	1:50:10		1:52:11	6	982	0.0%	
KISSY WISSY Start Boat	1	8759T	913	CN	11:04:32	1:43:08		1:52:58	7	919	0.7%	
ROSENDA II	3	11	1130	CN	11:29:48	2:08:24		1:53:38	8	1145	1.3%	
RESOLUTION	1	123	869	RN	11:00:25	1:39:01		1:53:57	9	883	1.6%	yes
SUMMER LIGHTNING	1	8971	970	RN	11:12:20	1:50:56		1:54:22	10	989	2.0%	yes
SWISS ROLL	3	9458T	1042	CN	11:24:10	2:02:46		1:57:49	11	1094	5.0%	XX
FIDDLERS ELBOW	3	253	1017	CN	11:22:09	2:00:45		1:58:44	12	1076	5.8%	XX
AMICUS	3	383	1041	CN	11:26:24	2:05:00		2:00:05	13	1114	7.0%	XX
PEREGRINE	3	004	1148	CN	11:49:36	2:28:12		2:09:06	14	1321	15.1%	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.