

RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date		Start time		SCT		Insert CN to exclude from SCT:		CN		
Lake Series 9		05-May-08		19:33:00		0:51:02		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?
		420	52062	1087	PY	20:25:26	0:52:26	0:48:14	1	1027	-5.5%	yes
	Laser Radial	178959	1101	PY	20:26:50	0:53:50	0:48:54	2	1055	-4.2%	yes	
	Laser Radial	164583	1101	PY	20:29:45	0:56:45	0:51:33	3	1112	1.0%	yes	
Jet Plane	National 12	3239	1093	PY	20:30:30	0:57:30	0:52:36	4	1127	3.1%	yes	
	Laser EPS	206	1013	PY	20:27:35	0:54:35	0:53:53	5	1070	5.6%	yes	
	Phantom	1185	1043	PY	20:32:00	0:59:00	0:56:34	6	1156	10.8%	Poor	
	Enterprise	9735	1116	PY	20:44:10	1:11:10	1:03:46	7	1395	25.0%	Poor	
	Laser EPS	264	1013	PY	20:39:45	1:06:45	1:05:54	8	1308	29.1%	Poor	
	Mirror	29297	1386	PY	21:29:50	1:56:50	1:24:18	9	2289	65.2%	Poor	
	Solo	257	1155	PY	DNF							

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.