

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date		Start time		SCT		Insert CN to exclude from SCT:		CN		
Lake Series 1		05-May-08		00:00:00		0:29:28		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?
	Laser EPS	135	1013	PY	0:29:10	0:29:10		0:28:48	1	990	-2.3%	yes
	Phantom	1179	1043	PY	0:30:03	0:30:03		0:28:49	2	1020	-2.2%	yes
	Laser EPS	264	1013	PY	0:29:21	0:29:21		0:28:58	3	996	-1.7%	yes
	420	52062	1087	PY	0:31:45	0:31:45		0:29:13	4	1078	-0.8%	yes
Jet Plane	National 12	3239	1093	PY	0:32:53	0:32:53		0:30:05	5	1116	2.1%	yes
	Laser Radial	164583	1101	PY	0:34:01	0:34:01		0:30:54	6	1155	4.9%	yes
	Laser EPS	206	1013	PY	0:32:26	0:32:26		0:32:01	7	1101	8.7%	Poor
	Solo	257	1155	PY	0:38:05	0:38:05		0:32:58	8	1293	11.9%	Poor
	Laser	42183	1078	PY	0:38:15	0:38:15		0:35:29	9	1298	20.4%	Poor
	Mirror	29297	1386	PY	0:04:35	1:02:40		0:45:13	10	2127	53.5%	Poor
	Enterprise	9735	1116	PY	DNS							

### 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.