

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date									
Swash Race		09-May-10									
Boat Name	Class	Sail No.	PY	H/cap	Start	Finish	Elapsed	Laps	Corrected	Place	
			H/cap	status	Time	time	time			time	
SUMMER LIGHTNING	1	8971	976	RN	11:32:45	16:16:20	4:43:35		4:50:33	1	
TAKE 5	3		1072	CN	11:11:40	16:31:28	5:19:48		4:58:19	2	
CYGNUS	3	30	1043	CN	11:15:22	16:47:07	5:31:45		5:18:04	3	
OUTFOXED	PROV		1225	CN	11:37:15	18:17:21	6:40:06		5:26:37	4	

Winner: Summer Lightning

### 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.