

## RYA Race Result and YR2 Achieved Performance Spreadsheet

Race		Date	Start time		SCT		Insert CN to exclude from SCT:				
Autumn 3 -Handicap		14-Sep-08	09:20:00		1:49:29		Min boats contributing to SCT: 2				
Boat Name	Class	Sail No.	PY	H/cap	Finish time	Elapsed time	Laps Corrected	Place	Achieved performance %	YR2	SCT
			H/cap	status			time				Input?
IMAGIKATION	1	7727	918	RN	10:55:06	1:35:06	1:43:36	1	869	-5.4%	yes
JESSIE MAE	1	8189	820	RN	10:50:04	1:30:04	1:49:50	2	823	0.3%	yes
BLUE MOON	1	50	827	RN	10:52:14	1:32:14	1:51:32	3	843	1.9%	yes
WILFUL	1	7351Y	975	CN	11:09:33	1:49:33	1:52:22	4	1001	2.6%	
WOOLLEY KNICKERS	1	6537Y	888	RN	11:00:17	1:40:17	1:52:56	5	916	3.2%	yes
KRUNCH	1	5579T	953	RN	11:10:19	1:50:19	1:55:45	6	1008	5.7%	Poor
CUMFRMRUM	1	6037T	850	RN	10:59:23	1:39:23	1:56:55	7	908	6.8%	Poor
SUMMIER LIGHTNING	1	8971	942	CN	11:16:20	1:56:20	2:03:30	8	1063	12.8%	Poor
CYGNUS	3(**)	30	1061	CN	11:44:07	2:24:07	2:15:50	9	1316	24.1%	Poor
PEREGRINE	3	004	1206	CN	12:13:49	2:53:49	2:24:08	10	1588	31.7%	Poor
ROSENDAL II	3	11	1124	CN	12:13:12	2:53:12	2:34:06	11	1592	40.8%	Poor

\*\* Owner Not on board result for interest only

### 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.