



Event Scoring Guide

Derbyshire Youth Sailing

Modified January 2026

Introduction

This guide shows race officers and competitors the way in which the DYS Handicap Series will be scored and provides some working examples including some common anomalies and how they are dealt with.

Sailwave is the software that has been adopted to calculate the results based on whichever method of time recording has been selected by the individual club for each event. The method used can be

- elapsed time (minutes and seconds)
- elapsed seconds
- Start/Finish times
- Place (Only used for overall series results)



Results Entry

The person responsible for producing the results at each event will enter the times for each race in the required format along with the number of laps completed. Sailwave will then calculate a corrected lap time based on the Portsmouth Yardstick (PY) handicap. See Table 1

The calculation method is as follows

$$\frac{\text{Elapsed time}}{\text{Laps}} \times \frac{1000}{\text{PY Number}}$$

e.g.,

$$\frac{00:46:39}{4} \times \frac{1000}{1147}$$

Average corrected Lap time = 0:10:10

Sailwave will then multiply by the number of laps that the quickest competitor finished, so 0:10:10 x 4 = 0:40:40, in order to better show the corrected times.

Table 1 Correct Time Calculation

Boat Class	PY	Elapsed Time	Laps Completed	Corrected Lap Time
Laser Radial	1147	0:46:39	4	0:40:40
Topper	1365	0:44:03	3	0:43:02
Optimist	1642	0:53:26	3	0:42:33

The places will then be allocated in order of the corrected lap times to get positions. The final positions will be used as the place score for the event overall scores. In the example in Table 1 the positions will be allocated as follows:

- Laser Radial 1 pt
- Optimist 2 pts
- Topper 3 pts

Tied Places

As the corrected time is a calculation there will be occasions when different boats have the same corrected times. As there is no way of determining which boat was quicker due to the calculation of the times and the calculation accuracy then the boats will receive average points. This will be calculated by taking each of the relevant places and averaging the points. See Table 2

Table 2 Equal Corrected Times

Boat Class	PY	Elapsed Time	Laps Completed	Corrected Lap Time
Laser Radial	1147	0:39:28	3	0:34:25
Optimist	1642	0:34:25	3	0:34:25

You will see that the corrected times are the same therefore the results would show as 1st Place + 2nd Place = 3 pts, averaged to get 1.5 pts.

- Laser Radial 1.5 pts
- Optimist 1.5 pts

Due to the RYA approved method of calculating corrected times there may be situations where the rounding can affect the results. This becomes obvious if for example two boats of the same class finish with only 1 second time difference on the water. Table 3 shows an example of this.

Table 3 Rounding Errors

Boat Class	PY	Elapsed Time	Laps Completed	Corrected Lap Time	No decimal Rounding (Seconds)
Laser Radial	1147	0:39:28	3	0:34:25	2064.516
Optimist	1642	0:37:40	2	0:34:25	2064.555
Laser Radial	1147	0:39:29	3	0:34:25	2065.388

Whilst the above figures do show a clear sequence and therefore a winner, the accuracy is far too great considering the human error in recording the times in the first place. The boats with 2064.xxx times were rounded up to 2065 and the 2065.xxx boat was rounded down. Was it a second difference between the two lasers? Or was it 1.25 seconds, or .75 seconds? The guidance from the RYA states that the accuracy of recording is too imprecise to allow detailed calculations and therefore should the times be that close then the results should be counted as equal and therefore the points averaged.

The boats in the above example would then get

- Laser Radial 2 pts
- Optimist 2 pts
- Laser Radial 2 pts

This may not seem fair should two boats of a similar class finish within a second and it is clear that one has a slight advantage over the other, but this is the way sailwave software will average these points automatically so once again the results that sailwave software produce will be taken as the official results and will not be open for discussion.

Event totals

The positions and therefore for the event overall results are taken from the best two results from the days racing. Should the points be equal then sailwave has been configured to use the Racing Rules of Sailing Appendix 8.1 and 8.2.

Appendix 8.1

“If there is a series-score tie between two or more boats, each boat’s race scores shall be listed in order of best to worst, and at the first point(s) where there is a difference the tie shall be broken in favour of the boat(s) with the best score(s). No excluded scores shall be used.”

Table 4 Appendix 8.1 Example

Position	Class	Race 1	Race 2	Race 3	Gross	Nett
3 rd	Laser Radial	4.0	1.0	(11.0)	16.0	5.0
4 th	Byte C1	3.0	2.0	(8.0)	13.0	5.0

You will see from Table 4 that the nett points after the 1 discard are equal however laser Radial is placed higher because their best score is a 1st place whereas the Byte C1 only has a 2nd place as their best score.

Appendix 8.2.

“If a tie remains between two or more boats, they shall be ranked in order of their scores in the last race. Any remaining ties shall be broken by using the tied boats’ scores in the next-to-last race and so on until all ties are broken. These scores shall be used even if some of them are excluded scores.”

Table 5 Appendix 8.2 Example 1

Position	Class	Race 1	Race 2	Race 3	Gross	Nett
1 st	Laser Radial	1.0	2.0	(3.0)	6.0	3.0
2 nd	Byte C1	2.0	1.0	(4.0)	7.0	3.0

Table 5 shows that according to Appendix 8.1 they are still tied as they both had a first and both had a second. Appendix 8.2 is therefore used to separate the positions by taking the results of the last race and ranking the boats in accordance with their results in the last race.

Table 6 Appendix 8.2 Example 2

Position	Class	Race 1	Race 2	Race 3	Gross	Nett
1 st	Laser Radial	(2.0)	1.0	1.5	4.5	2.5
2 nd	Byte C1	1.0	(2.0)	1.5	4.5	2.5

Table 6 shows a slightly different scenario where the boats cannot be separated using Appendix 8.1 and they have the same result in the last race, so the first part of Appendix 8.2 does not break the tie either. The next to last race is therefore used to break the tie, even though one of these results is a discard and the boats are ranked in accordance with the results of race 2.

The appendix 8.1 and 8.2 rules will also apply to the series results.

Conclusion

Just to conclude that the Sailwave software has been tested extensively by many clubs throughout the world and the DYS committee have decided that the results produced by sailwave software are final. The committee will only look into discrepancies on timings being entered, not on the finally calculated positions. Any anomalies produced by one boat of a class sailing a different number of laps to another of the same class will not be adjusted, therefore the final results will be the results calculated by Sailwave.