

# J24 Training

Mini-raceday – 10 April

This is a short summary of stats from all 7 training races from the training weekend.

Charted Sails Link: <https://www.chartedsails.com/session/ec1fda90-5cc6-40c9-bf8c-d0733da136f4>

# Starts

ROW LABELS	AVERAGE OF TIME TO LINE (s)	AVERAGE OF DISTANCE TO LINE	AVERAGE OF START RANK	AVERAGE OF LINE SPEED
Nutcase	4.9	16.6	2.7	5.3
Spirit of J	5.1	17.9	3.0	5.3
Jest	5.5	19.5	4.0	4.7
TNT	5.9	23.0	3.1	5.1
Jive	2.0	5.2	1.6	4.6
<b>Grand Total</b>	<b>4.7</b>	<b>16.7</b>	<b>2.8</b>	<b>5.1</b>

- Jive we're best in both time and distance to the line, however also had the slowest average line speed
- All other boats had an average time to the line of between 4.9 and 5.9 seconds
- Nutcase and Spirit averaged the best line speed

# Starts

	Distance to Line Race						
	1	2	3	4	5	6	7
Jive	0.00	0.00	6.00	2.00	16.00	1.00	1.00
Nutcase	1.00	2.00	1.00	8.00	46.00	13.00	45.00
Jest	0.00	0.00	0.00	0.00	0.00	9.00	30.00
TNT	20.00	12.00	11.00	60.00	0.00	42.00	16.00
Spirit of J	10.00	3.00	44.00	17.00	13.00	18.00	20.00

	Line Speed Race						
	1	2	3	4	5	6	7
Jive	0.00	0.00	4.34	4.71	5.33	5.31	3.13
Nutcase	6.04	5.87	4.42	5.34	5.84	5.45	4.08
Jest	0.00	0.00	0.00	0.00	0.00	4.49	4.90
TNT	5.15	4.93	5.31	4.79	4.16	5.71	5.66
Spirit of J	5.17	5.99	5.62	5.52	3.88	5.76	5.27

- Jive were very consistent in in distance to the line. In race 6 they were 1m from the line with above average boatspeed
- TNT and Spirit tended to be conservative on the line. Both were at least a boatlength back for all but one of their starts, but generally had good line speed.
- Nutcase started the day well, with race 1 and 2 being on the line with above average line speed, but failed to replicate this in later races

# Upwind

Row Labels	Average of Distance Sailed Upwind	Average of Avg Speed Upwind	Average of Avg VMG Upwind
Nutcase	791	5.54	4.14
Spirit of J	783	5.51	4.14
Jest	858	5.36	3.60
TNT	784	5.45	4.07
Jive	771	5.37	4.05
<b>Grand Total</b>	<b>789</b>	<b>5.47</b>	<b>4.07</b>

- Upwind boatspeed was very similar for all boats, with Nutcase and Janx having a very small advantage
- As it was very shifty, distance sailed and VMG will rely heavily on tactical decisions so we may not be able to draw a useful conclusion.

# Downwind

Row Labels	Average of Distance Sailed Downwind	Average of Avg Speed Downwind	Average of Avg VMG Downwind
Nutcase	606	6.14	5.98
Spirit of J	611	6.30	5.95
Jest	700	6.72	6.26
TNT	646	6.29	5.85
Jive	646	6.33	5.94
<b>Grand Total</b>	<b>631</b>	<b>6.29</b>	<b>5.95</b>

- Jeb had the best downwind performance on average, although breeze was heavier for the last two races which they sailed.

# Tacking

This table averages all of the racing tacks across the 7 races

Row Labels	Average of Tacking Angle	Average of Duration (s)	Average of Speed Lost
Nutcase	90.53	19.69	0.23
Spirit of J	85.93	19.48	0.25
Jest	91.43	19.20	0.10
TNT	84.10	24.18	0.36
Jive	84.89	21.01	0.10
<b>Grand Total</b>	<b>87.38</b>	<b>20.61</b>	<b>0.22</b>