

LRYC J24 Training

Mini-raceday – 10 April

This is a short summary of stats from all 7 training races from the LRYC 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
Headcase	4.9	16.6	2.7	5.3
Janx Spirit	5.1	17.9	3.0	5.3
Jeb Stuart	5.5	19.5	4.0	4.7
Jelignite	5.9	23.0	3.1	5.1
Jumpin Jive	2.0	5.2	1.6	4.6
Grand Total	4.7	16.7	2.8	5.1

- Jumpin 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
- Headcase and Janx averaged the best line speed

Starts

	Distance to Line						
	Race						
	1	2	3	4	5	6	7
Jumpin Jive	0.00	0.00	6.00	2.00	16.00	1.00	1.00
Headcase	1.00	2.00	1.00	8.00	46.00	13.00	45.00
Jeb Stuart	0.00	0.00	0.00	0.00	0.00	9.00	30.00
Jelignite	20.00	12.00	11.00	60.00	0.00	42.00	16.00
Janx Spirit	10.00	3.00	44.00	17.00	13.00	18.00	20.00

	Line Speed						
	Race						
	1	2	3	4	5	6	7
Jumpin Jive	0.00	0.00	4.34	4.71	5.33	5.31	3.13
Headcase	6.04	5.87	4.42	5.34	5.84	5.45	4.08
Jeb Stuart	0.00	0.00	0.00	0.00	0.00	4.49	4.90
Jelignite	5.15	4.93	5.31	4.79	4.16	5.71	5.66
Janx Spirit	5.17	5.99	5.62	5.52	3.88	5.76	5.27

- Jumpin Jive were very consistent in in distance to the line. In race 6 they were 1m from the line with above average boatspeed
- Jelignite and Janx 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.
- Headcase 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
Headcase	791	5.54	4.14
Janx Spirit	783	5.51	4.14
Jeb Stuart	858	5.36	3.60
Jelignite	784	5.45	4.07
Jumpin Jive	771	5.37	4.05
Grand Total	789	5.47	4.07

- Upwind boatspeed was very similar for all boats, with Headcase 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
Headcase	606	6.14	5.98
Janx Spirit	611	6.30	5.95
Jeb Stuart	700	6.72	6.26
Jelignite	646	6.29	5.85
Jumpin Jive	646	6.33	5.94
Grand Total	631	6.29	5.95

- 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
Headcase	90.53	19.69	0.23
Janx Spirit	85.93	19.48	0.25
Jeb Stuart	91.43	19.20	0.10
Jelignite	84.10	24.18	0.36
Jumpin Jive	84.89	21.01	0.10
Grand Total	87.38	20.61	0.22