

RACE ANALYSIS REPORT

2026 Newport Regatta Melges24 Day 1

CLASS	DATE	RACES
Melges 24	7/10/2026	2

POWERED BY SAILSYNC.AI



SCAN FOR RACE REPLAY AND AI FEEDBACK

FLO'S OVERALL COACHING INSIGHTS



Upwind VMG & Course Side: In race 1 the fastest first-beat VMG came from boats sticking right (USA 865) while the second beat paid off going left (USA 875); in race 2 the winner (USA 871) held middle then left and led both upwind legs.

Start Position & OCS: Race 1's winner started pin-end with a +5 m bias; in race 2 USA 798 was over early (OCS) and fell back nearly 40 s before re-starting.

First-Leg Influence: In race 2 the boat winning the first upwind leg went on to win overall; in race 1 the early leader lost the second beat but regained on the downwind.

Strategy Consistency: USA 865 in race 1 always chose the right side; USA 871 in race 2 varied side smartly but kept top VMG.

FLO'S COACHING INSIGHTS

BOAT	STRENGTH	WEAKNESS
USA 865	Strong first beat VMG and clean race1 starts	Second upwind leg was off the pace compared to top boats
USA 875	Top VMG on second upwind leg in race1	Slow finish downwind legs cost time
USA 871	Dominant upwind VMG and side choice consistency in race2	Average VMG in race1 first beat limited early gains
USA 811	Steady maneuvers and smooth sailing	VMG on upwind legs lagged leaders
USA 798	Solid VMG on race1 first beat	OCS start in race2 cost nearly 40s penalty
USA 513	Strong second upwind VMG in race1	Struggled to match top boats on downwind finish
USA 570	Consistent VMG in middle beats	Slow off the line and first beat pace
USA 838	Disciplined steering and heel control	Overall lower VMG across both races
USA 155	Efficient tacks and clear lanes	Slow first upwind leg compared to fleet
USA 747	Quick adjustments to wind shifts	Could not sustain VMG on upwind legs

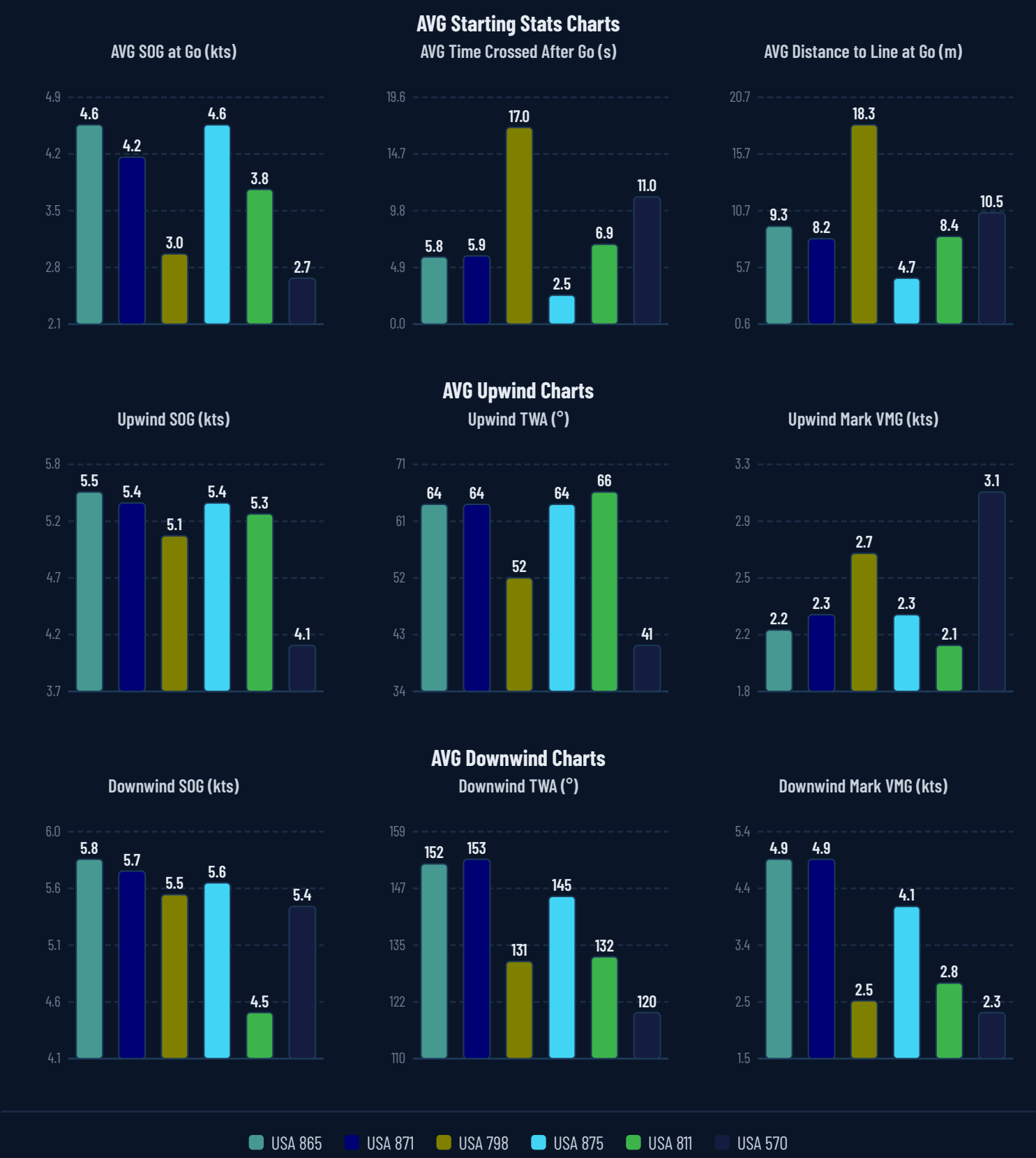
RESULTS

#	BOAT	R1	R2	TOTAL
1	 USA 865	1	2	3
2	 USA 871	5	1	6
3	 USA 798	2	4	6
4	 USA 875	3	3	6
5	 USA 811	4	9	13
6	 USA 570	6	8	14
7	 USA 747	10	5	15
8	 USA 838	9	6	15



9		USA 155	8	7	15
10		USA 513	7	DNF	18

OVERALL PERFORMANCE CHARTS

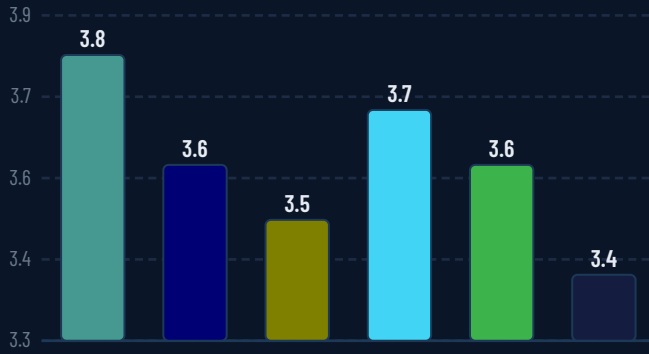




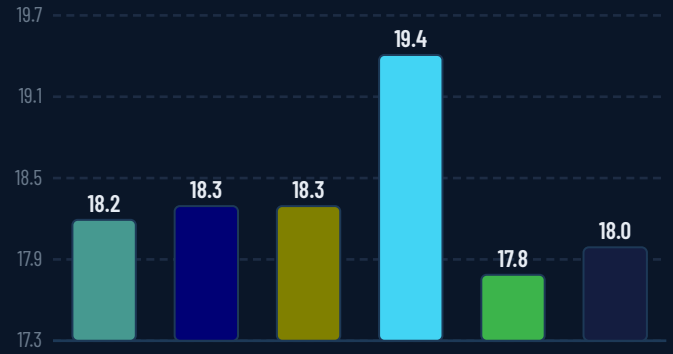
UPWIND MANEUVER ANALYSIS

Upwind Maneuver Charts

AVG VMG ± 5 s (kts)



AVG VMG Loss (m)

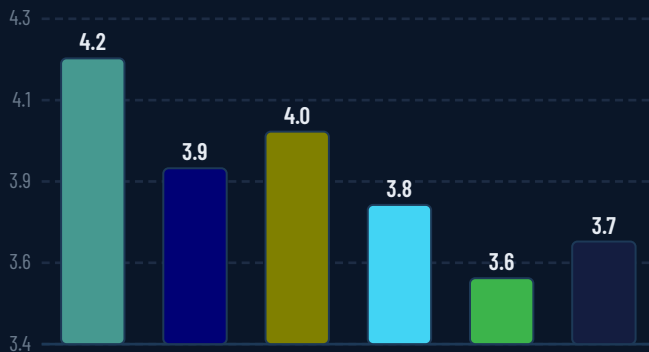


USA 865 USA 871 USA 798 USA 875 USA 811 USA 570

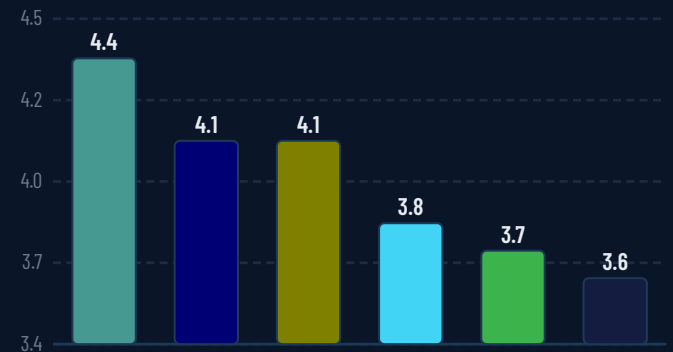
DOWNWIND MANEUVER ANALYSIS

Downwind Maneuver Charts

AVG Min SOG in Gybe (kts)



AVG VMG ± 5 s (kts)



USA 865 USA 871 USA 798 USA 875 USA 811 USA 570



01

RACE ONE

• START 10:40:01

FLO'S RACE INSIGHTS

First-Beat Winner vs. Come-From-Behind: USA 570 led the first upwind leg, but USA 865 climbed back into the lead by the second beat and never looked back.

Overall Winner & Start: USA 865 posted the shortest overall time. It started close to the pin end (line position ~3 %), giving it a small upwind bias, and crossed clean—no OCS penalty.

Upwind Side Choice: USA 865 chose the right side on both upwind legs, matching its strong VMG on the second beat and pulling ahead there.

Clean Downwinds: On the downwind legs, USA 865 kept maneuvers to a minimum (zero gybes on the final reach), leading to the fastest finish legs.

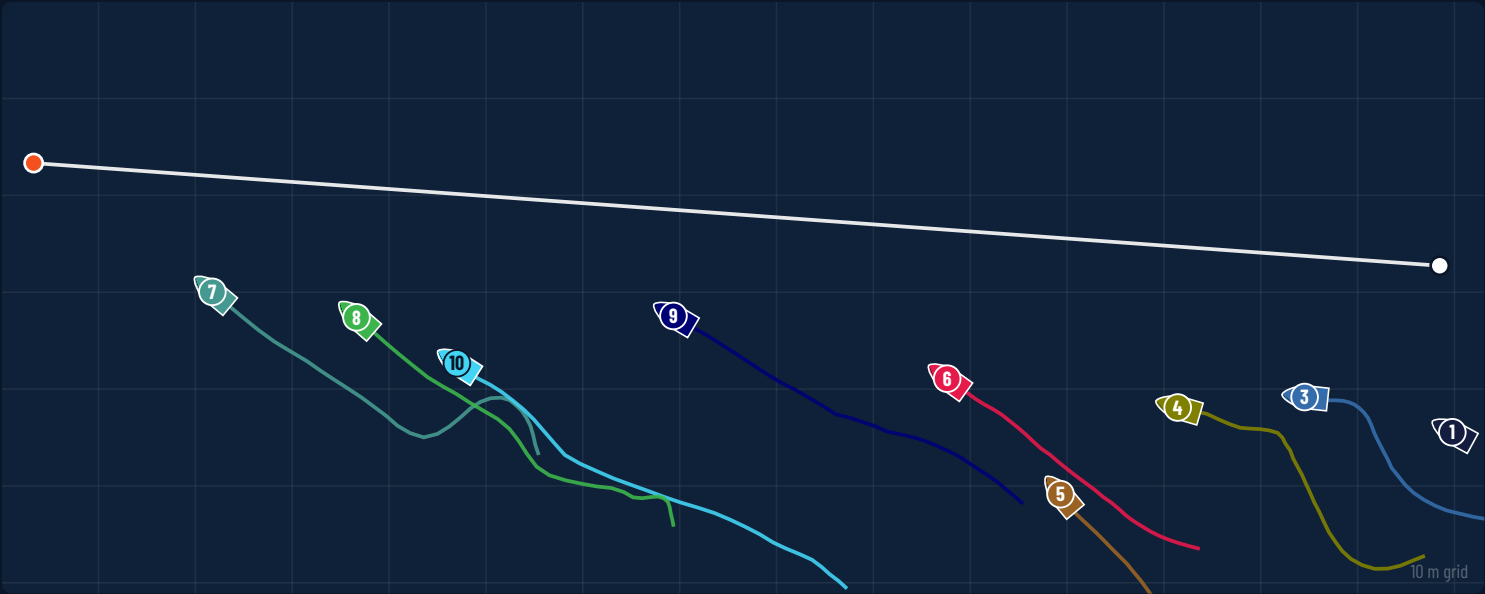
RACE 1 — FULL RACE SUMMARY

RANK	BOAT	DISTANCE	TIME	UPWIND SOG	UPWIND VMG	DOWNWIND SOG	DOWNWIND VMG	MAN.
1.	 USA 865	6226.8m	00:36:35	5.5kts	2.1kts	6.0kts	5.1kts	10
2.	 USA 798	-40.7m	+00:00:36	4.8kts	3.0kts	5.5kts	2.2kts	7
3.	 USA 875	+150.8m	+00:02:33	5.3kts	2.4kts	5.5kts	3.8kts	15
4.	 USA 811	+298.5m	+00:03:01	5.3kts	1.9kts	5.4kts	4.3kts	11
5.	 USA 871	+370.7m	+00:03:38	5.4kts	2.1kts	5.6kts	4.7kts	15
6.	 USA 570	+68.7m	+00:03:49	4.2kts	3.3kts	5.2kts	2.1kts	13
7.	 USA 513	+203.6m	+00:04:13	4.4kts	2.6kts	5.4kts	2.1kts	14
8.	 USA 155	+4.9m	+00:04:33	4.3kts	3.2kts	5.1kts	2.0kts	10
9.	 USA 838	+411.2m	+00:06:32	4.1kts	2.8kts	5.2kts	2.0kts	13
10.	 USA 747	+107.8m	+00:06:34	3.9kts	3.4kts	5.0kts	2.0kts	11

Performance metrics (SOG, VMG, TWA) use straight-line segments only — excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 1 – START REPORT



 10 m grid — map scale reference

 Boat numbers = **Mark 1 rounding order** — match the Leg 1 Rank column below

FAVORED END

Pin (10.6m)

LINE LENGTH

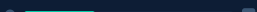
145.4m

WIND

316.0°

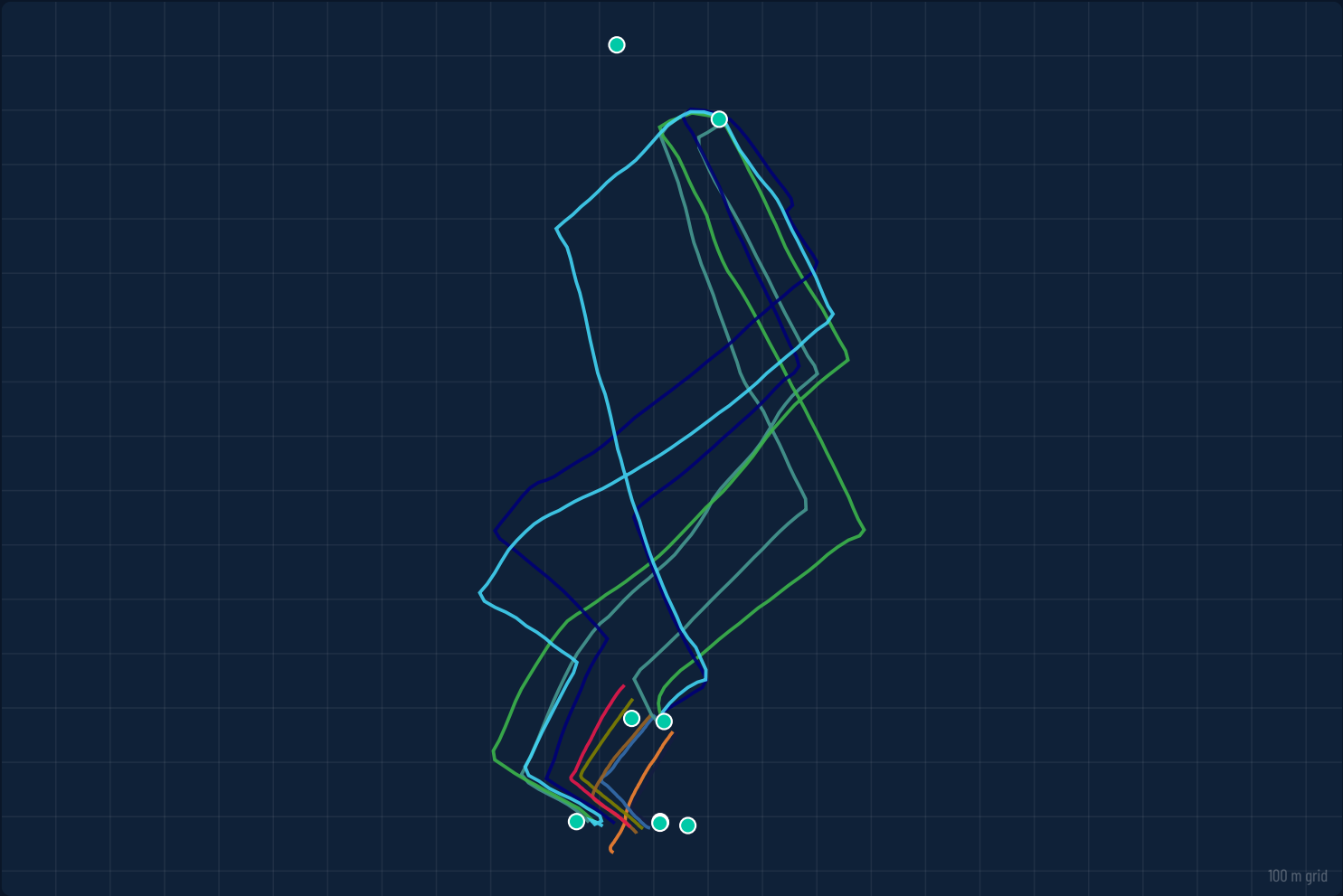
COMM TO M1

319.3°

LEG 1 RANK	BOAT	DIST TO LINE	SOG AT GO	START DELAY	POSITION ON LINE	TACK AT GO
1.	 USA 570	20.6m	2.4kts	21.0s		starboard
2.	 USA 747	71.0m	2.9kts	41.0s		starboard
3.	 USA 155	16.0m	2.3kts	17.3s		starboard
4.	 USA 798	18.3m	3.0kts	17.0s		starboard
5.	 USA 838	29.1m	2.1kts	33.0s		starboard
6.	 USA 513	16.9m	2.4kts	18.3s		starboard
7.	 USA 865	13.1m	4.2kts	9.0s		starboard
8.	 USA 811	14.8m	3.8kts	12.0s		starboard
9.	 USA 871	12.0m	3.9kts	9.5s		starboard
10.	 USA 875	19.2m	2.6kts	38.0s		starboard



RACE 1 – LEG 1 (UPWIND)

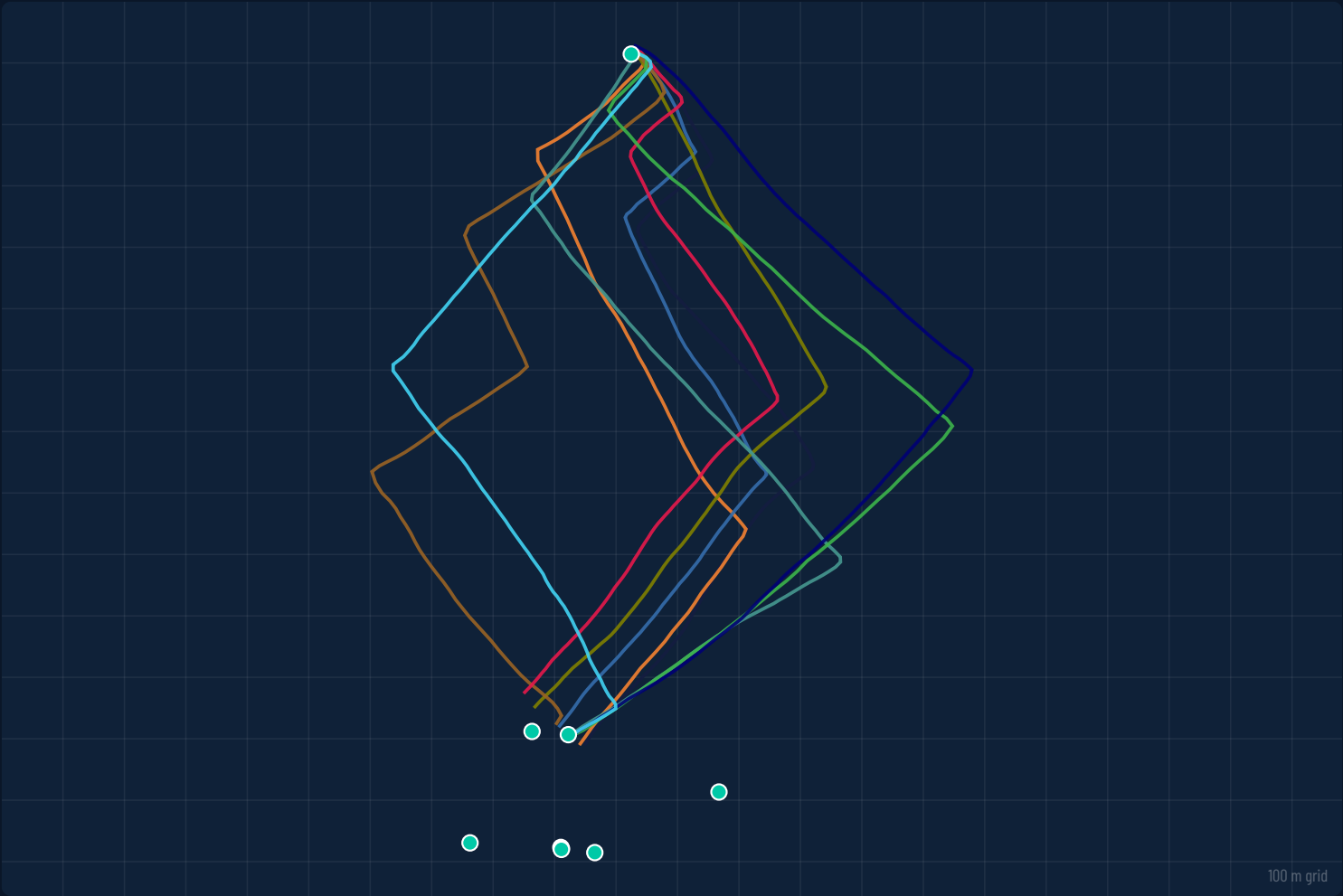


LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 570	00:02:09	229.4m	3.6kts	37.0°	2.7kts	left	1
2.		USA 747	+00:00:16	256.5m	3.5kts	28.1°	3.3kts	right	1
3.		USA 155	+00:00:19	281.7m	3.8kts	41.4°	2.6kts	left	1
4.		USA 798	+00:00:20	322.1m	4.4kts	42.8°	1.9kts	left	1
5.		USA 838	+00:00:38	295.5m	3.5kts	43.3°	2.3kts	left	1
6.		USA 513	+00:00:41	338.4m	4.0kts	39.5°	1.2kts	left	1
7.		USA 865	+00:16:19	3056.6m	5.4kts	87.4°	0.4kts	right	7
8.		USA 811	+00:17:35	3229.0m	5.4kts	85.6°	0.3kts	right	5
9.		USA 871	+00:19:01	3305.2m	5.2kts	86.9°	0.3kts	middle	11
10.		USA 875	+00:19:18	3334.2m	5.1kts	89.2°	0.4kts	right	9

Performance metrics (SOG, VMG, TWA) use straight-line segments only – excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 1 – LEG 2 (UPWIND)

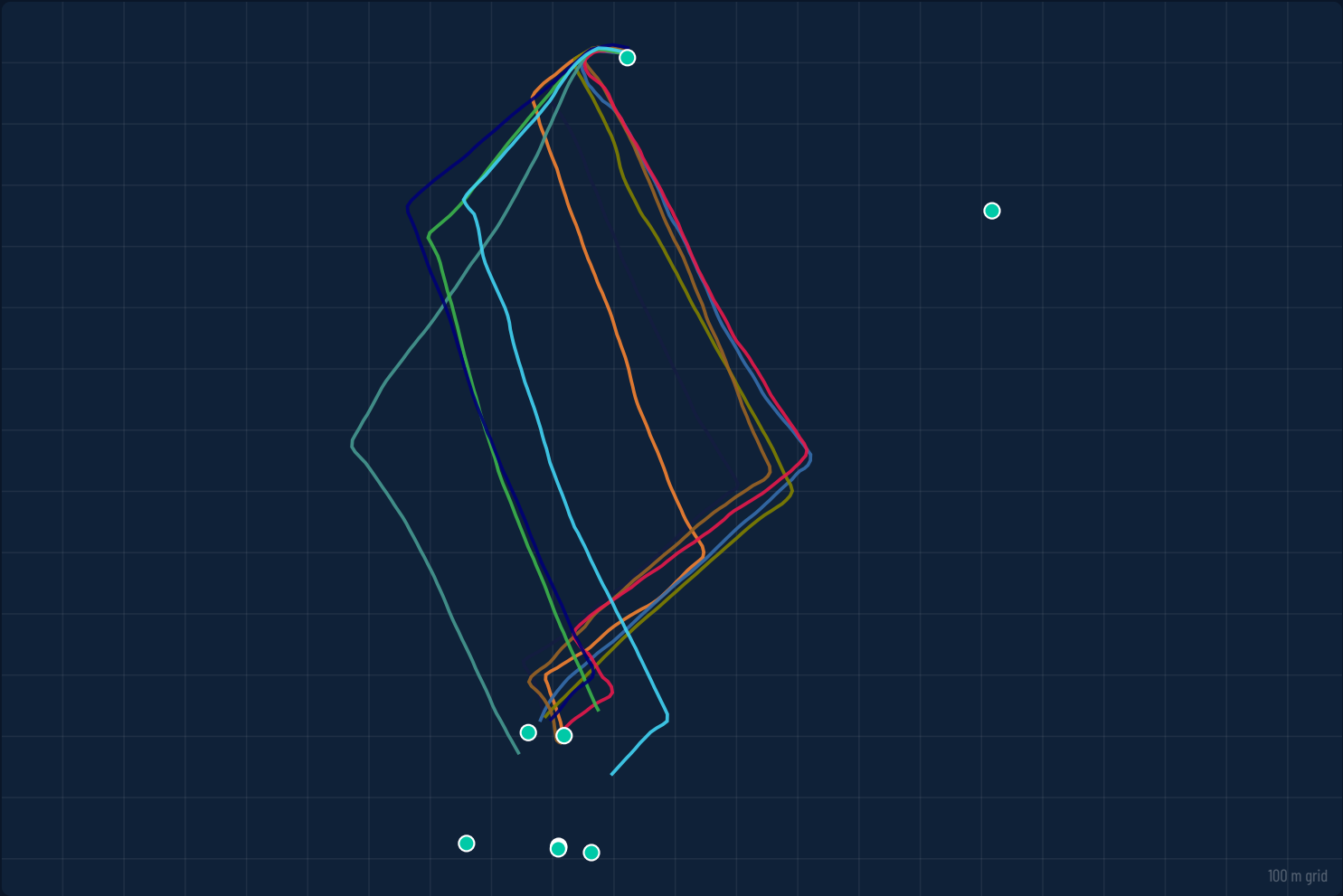


LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 798	00:08:22	1338.7m	5.2kts	36.4°	4.2kts	right	1
2.		USA 875	+00:00:05	1440.4m	5.6kts	38.0°	4.4kts	left	3
3.		USA 513	+00:00:37	1344.5m	4.9kts	38.5°	3.9kts	right	3
4.		USA 155	+00:00:54	1364.4m	4.8kts	35.3°	3.9kts	right	3
5.		USA 865	+00:01:02	1592.5m	5.5kts	46.3°	3.8kts	right	2
6.		USA 871	+00:01:14	1658.1m	5.6kts	47.4°	3.8kts	right	1
7.		USA 570	+00:01:24	1466.1m	4.9kts	39.1°	3.8kts	right	3
8.		USA 811	+00:02:04	1708.0m	5.3kts	50.0°	3.5kts	right	3
9.		USA 747	+00:02:32	1412.9m	4.3kts	35.8°	3.4kts	right	3
10.		USA 838	+00:02:36	1556.1m	4.7kts	44.9°	3.2kts	left	5

Performance metrics (SOG, VMG, TWA) use straight-line segments only – excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 1 – LEG 3 (DOWNWIND)

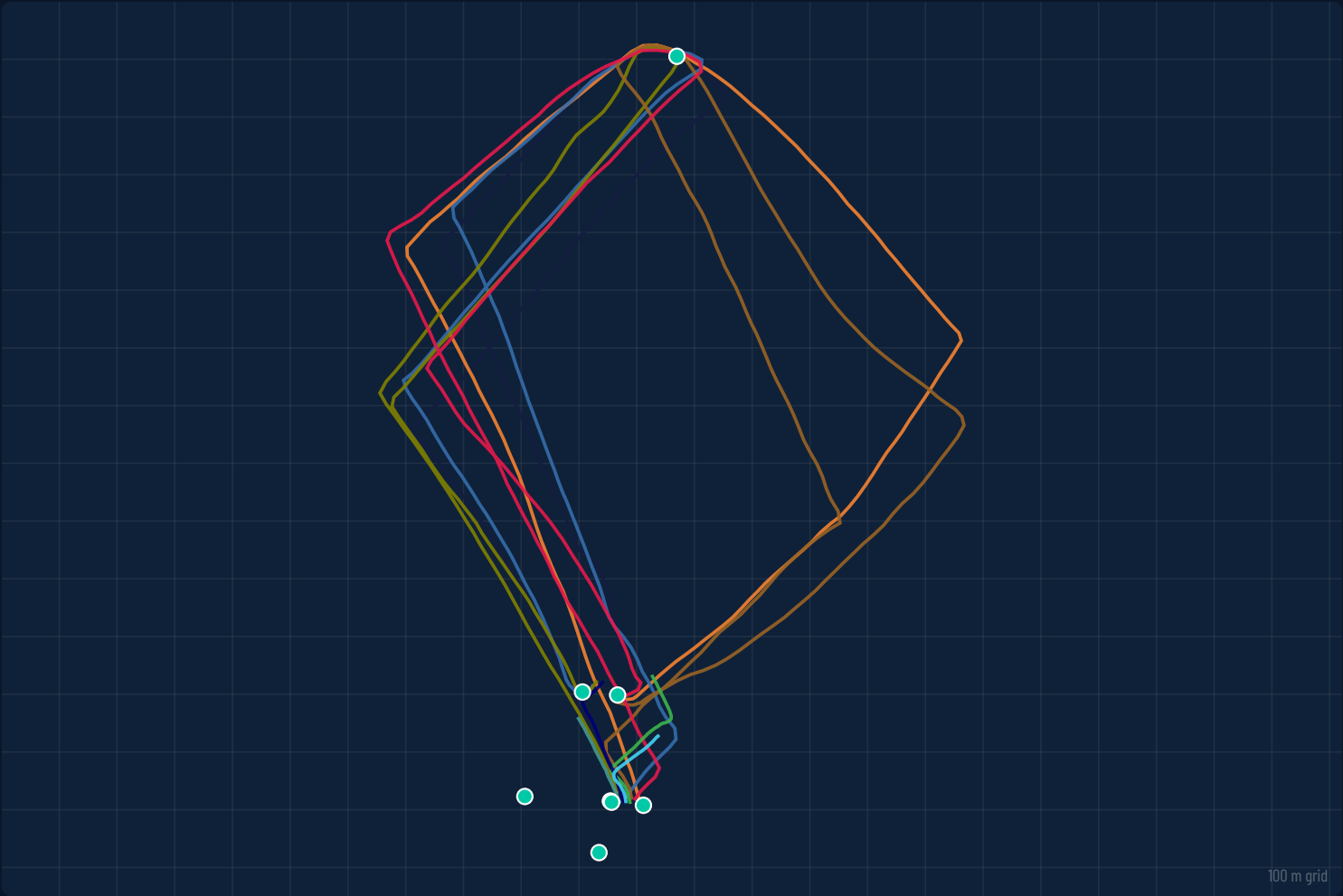


LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 811	00:07:38	1293.3m	5.5kts	151.0°	4.6kts	left	1
2.		USA 865	+00:00:13	1405.9m	5.9kts	147.9°	4.5kts	left	1
3.		USA 871	+00:00:18	1386.6m	5.7kts	146.6°	4.6kts	left	2
4.		USA 875	+00:00:36	1437.2m	5.7kts	150.3°	4.2kts	left	2
5.		USA 798	+00:01:16	1439.7m	5.3kts	142.1°	4.0kts	right	2
6.		USA 570	+00:01:32	1436.1m	5.1kts	142.6°	3.9kts	right	4
7.		USA 155	+00:01:57	1466.2m	5.0kts	140.4°	3.7kts	right	2
8.		USA 838	+00:02:04	1477.2m	5.0kts	144.9°	3.8kts	right	3
9.		USA 513	+00:02:06	1533.2m	5.3kts	137.7°	3.9kts	right	5
10.		USA 747	+00:02:19	1417.3m	4.6kts	147.4°	3.7kts	right	5

Performance metrics (SOG, VMG, TWA) use straight-line segments only – excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 1 – LEG 4 (DOWNWIND)



LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 865	00:00:52	163.2m	6.2kts	153.7°	5.8kts	right	0
2.		USA 875	+00:00:08	158.2m	5.2kts	128.5°	3.4kts	left	1
3.		USA 871	+00:00:39	239.5m	5.5kts	157.9°	4.9kts	left	1
4.		USA 811	+00:00:56	287.5m	5.4kts	138.9°	4.1kts	right	2
5.		USA 798	+00:16:34	3078.0m	5.7kts	93.7°	0.4kts	left	3
6.		USA 513	+00:18:23	3208.2m	5.5kts	93.9°	0.3kts	left	5
7.		USA 570	+00:18:27	3157.3m	5.4kts	94.5°	0.3kts	left	5
8.		USA 838	+00:18:48	3302.5m	5.5kts	94.4°	0.1kts	right	4
9.		USA 155	+00:18:57	3112.6m	5.1kts	93.4°	0.3kts	left	4
10.		USA 747	+00:19:01	3242.1m	5.3kts	96.0°	0.3kts	right	2

Performance metrics (SOG, VMG, TWA) use straight-line segments only – excluding maneuvers (±10s) and the first/last 5s of each leg.



02

RACE TWO

• START 11:39:01

FLO'S RACE INSIGHTS

First-leg leader vs overall winner: USA 570 led the first upwind leg by tacking to the right and posting the fastest time, but couldn't match VMG on the second beat. USA 871, though slower off the line, made steady gains on leg 2 and ultimately took the lead overall.

Upwind VMG & course-side shifts: USA 871 started the second upwind leg in the middle, shifted left where wind paid, and delivered the top VMG on that beat—enough to overhaul early pacesetters.

Downwind performance & side choice: By varying between right and center on both runs, USA 871 kept strong boat speeds and lead-line VMG, extending their advantage into the finish.

OCS impact: USA 798 was over early (negative distance at GO, then 39 s late to the line), costing a big chunk of time that couldn't be made up.

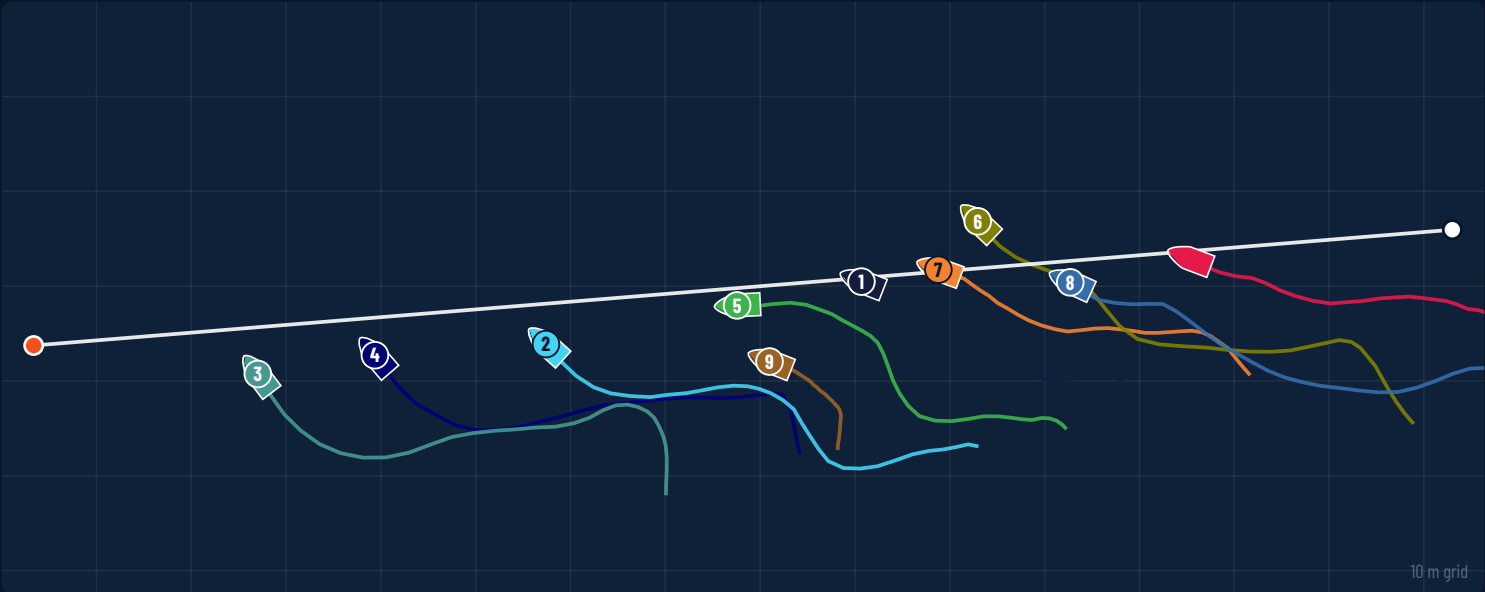
RACE 2 — FULL RACE SUMMARY

RANK	BOAT	DISTANCE	TIME	UPWIND SOG	UPWIND VMG	DOWNWIND SOG	DOWNWIND VMG	MAN.
1.	 USA 871	6085.4m	00:36:50	5.4kts	2.5kts	5.7kts	5.0kts	14
2.	 USA 865	+151.2m	+00:00:27	5.5kts	2.3kts	5.6kts	4.6kts	16
3.	 USA 875	+189.0m	+00:00:56	5.5kts	2.2kts	5.7kts	4.3kts	10
4.	 USA 798	+325.0m	+00:02:24	5.4kts	2.4kts	5.6kts	2.8kts	19
5.	 USA 747	+355.3m	+00:04:06	5.2kts	2.2kts	5.2kts	2.0kts	13
6.	 USA 838	+516.7m	+00:04:30	5.3kts	2.3kts	5.5kts	3.7kts	15
7.	 USA 155	+378.6m	+00:04:31	5.2kts	2.2kts	5.3kts	4.3kts	14
8.	 USA 570	+511.6m	+00:05:53	4.0kts	2.9kts	5.5kts	2.4kts	14
9.	 USA 811	+977.5m	+00:11:52	5.4kts	2.3kts	3.6kts	1.3kts	16

Performance metrics (SOG, VMG, TWA) use straight-line segments only — excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 2 – START REPORT



 10 m grid — map scale reference

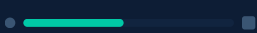
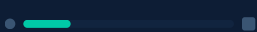
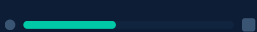
 Boat numbers = Mark 1 rounding order — match the Leg 1 Rank column below

FAVORED END
Boat (12.2m)

LINE LENGTH
150.0m

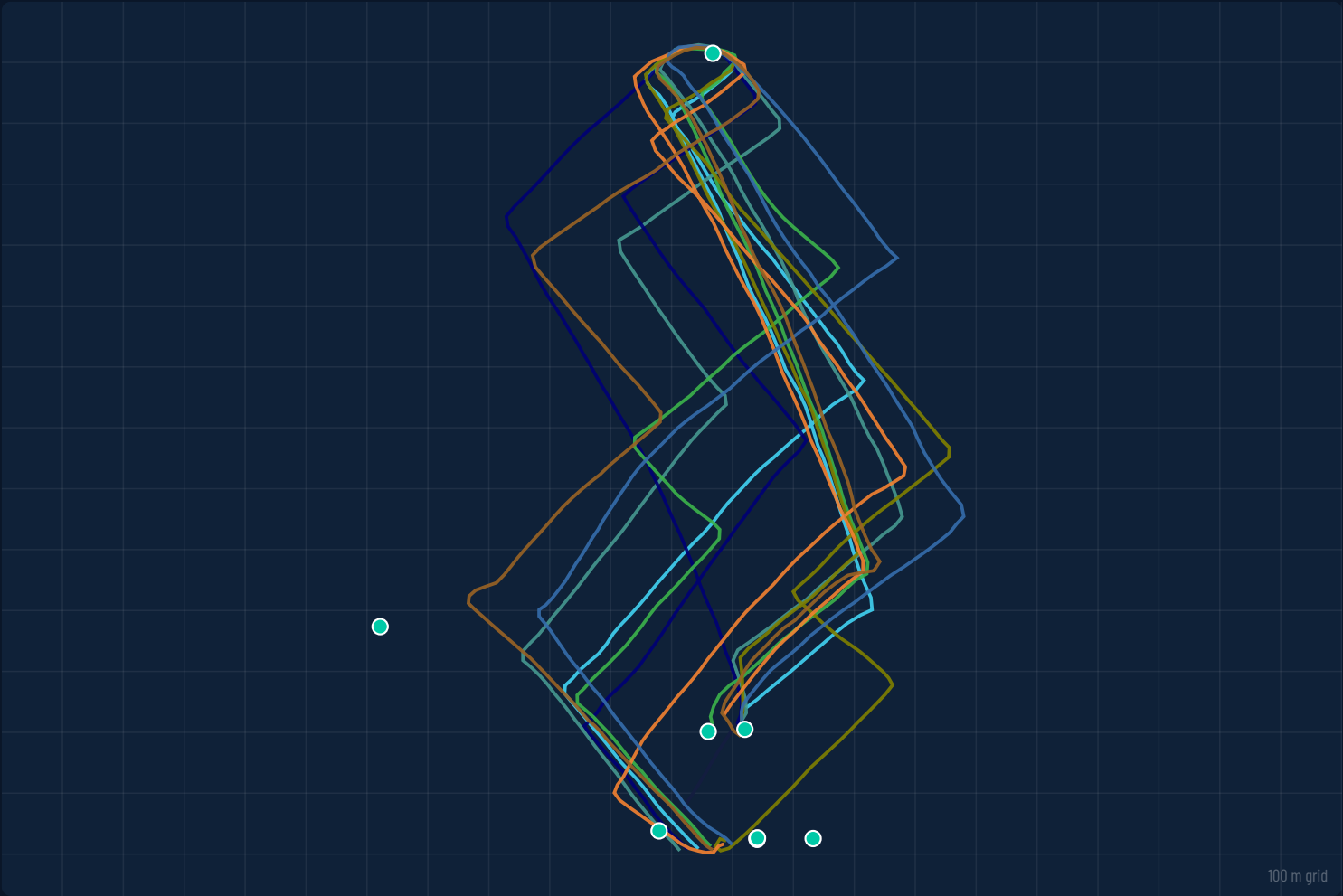
WIND
324.0°

COMM TO M1
318.2°

LEG 1 RANK	BOAT	DIST TO LINE	SOG AT GO	START DELAY	POSITION ON LINE	TACK AT GO
1.	 USA 570	0.4m	2.9kts	1.0s		starboard
2.	 USA 875	4.7m	4.6kts	2.5s		starboard
3.	 USA 865	5.4m	5.0kts	2.5s		starboard
4.	 USA 871	4.4m	4.5kts	2.3s		starboard
5.	 USA 811	2.0m	3.7kts	1.8s		starboard
6.	 USA 798	-5.5m	3.5kts	39.0s		starboard
7.	 USA 747	-0.2m	1.9kts	43.0s		starboard
8.	 USA 155	2.5m	3.6kts	1.8s		starboard
9.	 USA 838	8.8m	1.1kts	16.5s		starboard



RACE 2 – LEG 1 (UPWIND)

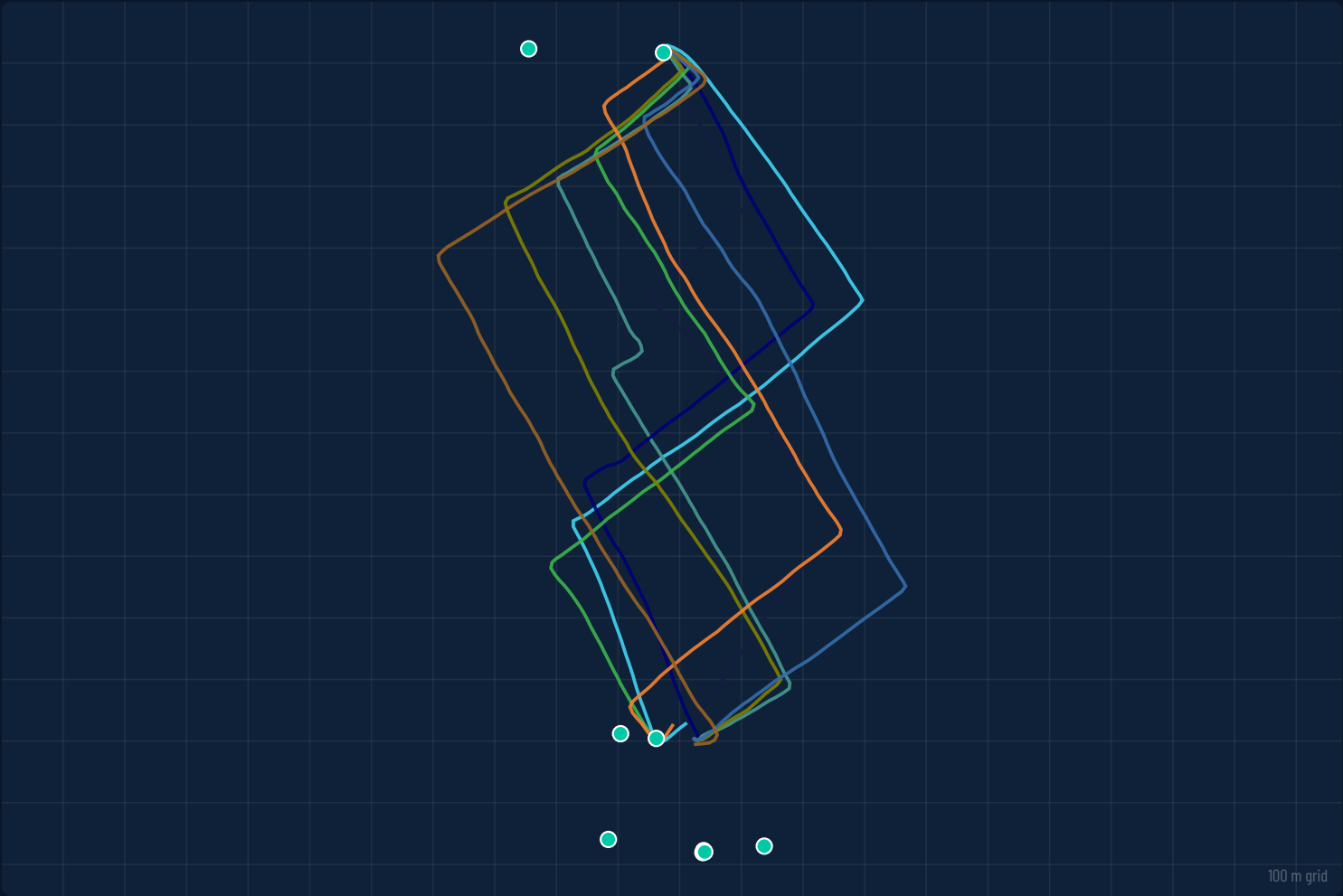


LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 570	00:02:54	292.0m	3.3kts	46.5°	2.2kts	left	1
2.		USA 875	+00:17:05	3143.2m	5.2kts	86.7°	0.4kts	right	6
3.		USA 865	+00:17:11	3224.2m	5.3kts	82.4°	0.2kts	middle	9
4.		USA 871	+00:17:18	3146.6m	5.1kts	86.9°	0.4kts	middle	7
5.		USA 811	+00:18:19	3237.7m	5.1kts	88.4°	0.4kts	middle	9
6.		USA 798	+00:18:38	3299.9m	5.1kts	88.4°	0.3kts	right	13
7.		USA 747	+00:19:15	3268.5m	4.9kts	83.5°	0.3kts	right	6
8.		USA 155	+00:19:39	3310.4m	4.9kts	80.4°	0.2kts	middle	9
9.		USA 838	+00:19:48	3365.2m	4.9kts	84.4°	0.4kts	left	7

Performance metrics (SOG, VMG, TWA) use straight-line segments only — excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 2 – LEG 2 (UPWIND)

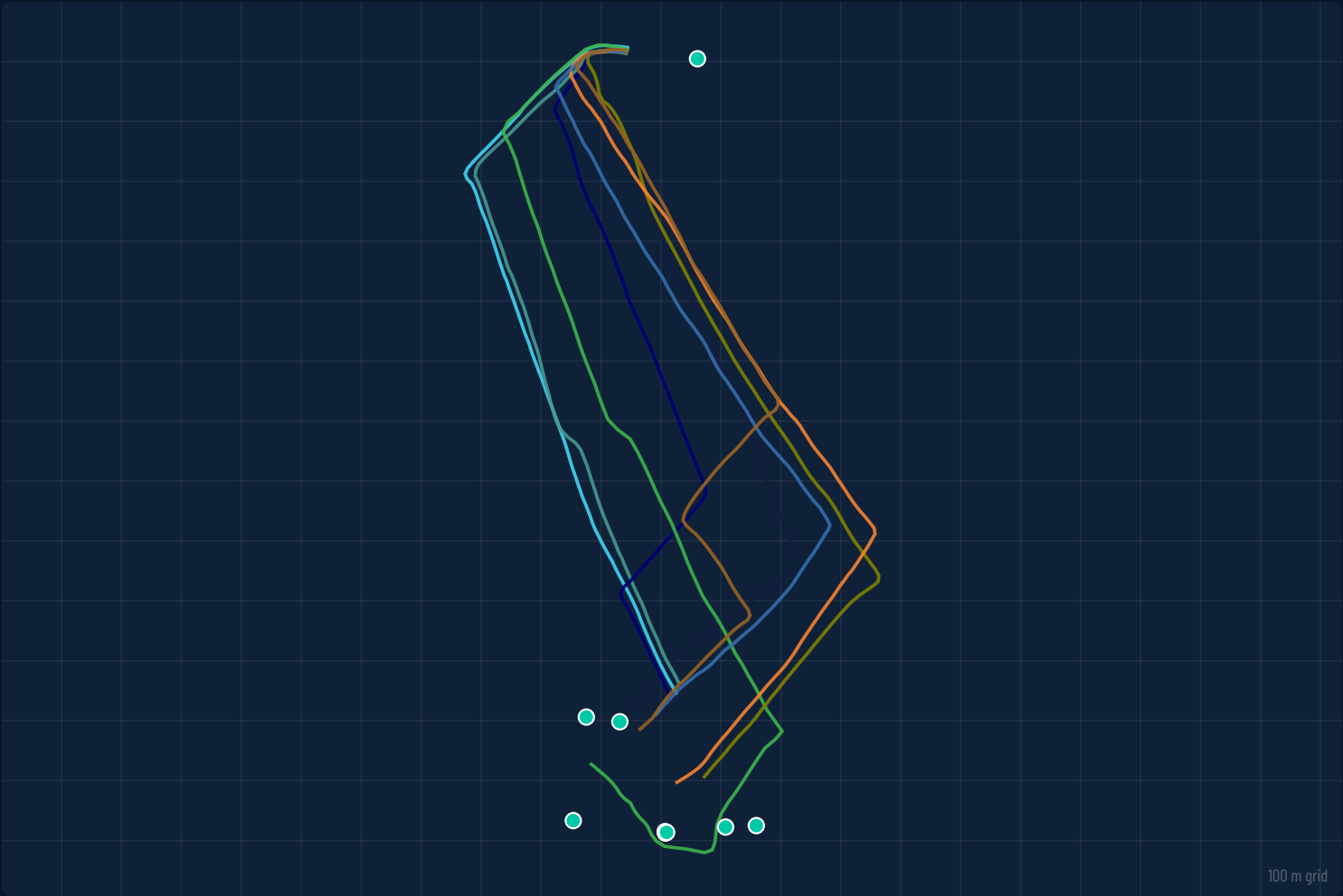


LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		 USA 871	00:08:07	1412.8m	5.7kts	35.2°	4.5kts	left	3
2.		 USA 865	+00:00:20	1472.0m	5.8kts	38.0°	4.4kts	left	5
3.		 USA 798	+00:00:27	1477.6m	5.7kts	39.0°	4.4kts	left	3
4.		 USA 838	+00:00:40	1553.3m	5.8kts	40.8°	4.3kts	left	3
5.		 USA 155	+00:00:44	1487.8m	5.5kts	38.8°	4.3kts	right	3
6.		 USA 875	+00:00:45	1559.8m	5.8kts	41.5°	4.1kts	left	2
7.		 USA 811	+00:00:45	1518.3m	5.6kts	41.0°	4.2kts	left	4
8.		 USA 747	+00:00:52	1504.7m	5.5kts	42.0°	4.1kts	right	4
9.		 USA 570	+00:02:36	1483.3m	4.6kts	40.8°	3.5kts	right	5

Performance metrics (SOG, VMG, TWA) use straight-line segments only — excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 2 – LEG 3 (DOWNWIND)



LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		 USA 871	00:07:05	1274.3m	5.9kts	151.3°	4.8kts	right	3
2.		 USA 865	+00:00:04	1264.3m	5.7kts	150.7°	4.6kts	left	1
3.		 USA 875	+00:00:16	1303.5m	5.8kts	149.8°	4.6kts	left	1
4.		 USA 570	+00:01:15	1400.6m	5.6kts	145.0°	4.4kts	right	2
5.		 USA 155	+00:01:25	1445.2m	5.6kts	141.6°	4.1kts	right	2
6.		 USA 798	+00:01:26	1527.7m	5.9kts	145.5°	3.7kts	right	2
7.		 USA 838	+00:01:30	1476.0m	5.7kts	142.3°	4.3kts	right	4
8.		 USA 747	+00:02:08	1573.0m	5.6kts	142.0°	3.5kts	right	2
9.		 USA 811	+00:06:52	1896.4m	4.4kts	118.3°	2.5kts	right	2

Performance metrics (SOG, VMG, TWA) use straight-line segments only – excluding maneuvers (±10s) and the first/last 5s of each leg.



RACE 2 – LEG 4 (DOWNWIND)



LEG RANK		BOAT	TIME	DISTANCE	SOG	AVG TWA	MARK VMG	SIDE	MAN.
1.		USA 747	00:00:35	86.6m	4.9kts	145.1°	0.5kts	right	1
2.		USA 798	+00:00:02	97.5m	5.3kts	144.3°	1.9kts	left	1
3.		USA 838	+00:00:41	199.7m	5.3kts	142.7°	3.1kts	right	1
4.		USA 871	+00:00:51	243.5m	5.6kts	155.5°	5.2kts	right	1
5.		USA 155	+00:00:52	214.5m	5.1kts	147.1°	4.4kts	right	0
6.		USA 875	+00:00:59	258.5m	5.6kts	151.8°	3.9kts	right	1
7.		USA 865	+00:01:01	267.7m	5.5kts	154.2°	4.7kts	right	1
8.		USA 811	+00:04:05	404.3m	2.8kts	119.2°	0.2kts	left	1
9.		USA 570	+00:20:11	3414.2m	5.4kts	97.7°	0.4kts	left	6

Performance metrics (SOG, VMG, TWA) use straight-line segments only — excluding maneuvers (±10s) and the first/last 5s of each leg.