

# IMHRR 2018

3 Mar 2018

| Boat Name | Boat design      | Sail Number |
|-----------|------------------|-------------|
| ARAWAK    | Jobert-Nivalt 50 | None        |

| Hull measurements |       |           |       |           |     |
|-------------------|-------|-----------|-------|-----------|-----|
| DSPW              | DSPWD | LOA       | FOH   | FF        | AOH |
| 4789              | 0     | 15.91     | 0     | 0         | 0   |
| AF                | OSB   | TP        | V     | TH        |     |
| 0                 | 7.61  | 2 Folding | 0.522 | Catamaran |     |

| Daggerboards and foils |           |     |     |
|------------------------|-----------|-----|-----|
| TB                     | Symmetric |     |     |
| BV1                    | BV2       | BV3 | BV4 |
| 1.264                  | 1.264     | 0   | 0   |
| BH1                    | BH2       | BH3 | BH4 |
| 0.257                  | 0.257     | 0   | 0   |
| BC1                    | BC2       | BC3 | BC4 |
| 0.5                    | 0.5       | 0   | 0   |

| Mast properties |     |
|-----------------|-----|
| TPC             |     |
| Fixed           |     |
| PC              | PCY |
| 0               | 0   |

| Mainsail measurements |          |      |      |  |
|-----------------------|----------|------|------|--|
| PU                    | PL (+/-) | E    | MHB  |  |
| 18.2                  | 0.4      | 6.85 | 0.2  |  |
| MUW                   | MTW      | MHW  | MQW  |  |
| 2.31                  | 3.44     | 4.98 | 5.84 |  |

| Mizzen measurements |           |      |      |
|---------------------|-----------|------|------|
| PUY                 | PLY (+/-) | EY   | MHBY |
| 0                   | 0         | 0    | 0    |
| MUWY                | MTWY      | MHWY | MQWY |
| 0                   | 0         | 0    | 0    |

| Headsail measurements |      |       |
|-----------------------|------|-------|
| IG                    | J    | HLU   |
| 16.55                 | 4.5  | 14.61 |
| HHB                   | HUW  | HTW   |
| 0.05                  | 0.48 | 0.92  |
| HMW                   | HQW  | HLP   |
| 1.89                  | 3    | 4.11  |

| Spinnaker |       |
|-----------|-------|
| SLU       | SLE   |
| 17.2      | 15.35 |
| SFL       | SHW   |
| 10.65     | 10.6  |

| Screacher |      |      |       |
|-----------|------|------|-------|
| CLU       | CLE  | CFL  | CHW   |
| 16.3      | 14.9 | 12.5 | 6.284 |

| Board & foil calcs |       |
|--------------------|-------|
| BVA                | BF    |
| 1.264              | 0.600 |
| VF                 | BHA   |
| 0.975              | 0.257 |

| Mizzen calcs. |       |
|---------------|-------|
| MAY           | RMAV  |
| 0.000         | 0.000 |

| Stable wind speed |        |
|-------------------|--------|
| WR                | WS     |
| 20299.3           | 17.990 |

| Hull calculations |         |       |
|-------------------|---------|-------|
| DC                | RD      | TPF   |
| 5334.900          | 545.900 | 0.975 |
| RL                | CCH     | CCS   |
| 15.910            | 0.962   | 0.964 |
| CCC               | CCSC    | VA    |
| 0.966             | 0.967   | 0.937 |

| Mast calculations |       |  |
|-------------------|-------|--|
| P                 | PY    |  |
| 18.600            | 0.000 |  |
| PA                | PAY   |  |
| 0.000             | 0.000 |  |

| Headsail calcs |        |  |
|----------------|--------|--|
| HA             | HER    |  |
| 28.573         | 1.691  |  |
| HEF            | RHA    |  |
| 0.843          | 24.086 |  |

| Speed prediction |        |
|------------------|--------|
| VVH              | VVS    |
| 12.962           | 13.530 |
| VVC              | VVSC   |
| 13.937           | 14.272 |

| Spinnaker calculations |        |       |
|------------------------|--------|-------|
| SA                     | RSA    | SMG%  |
| 143.898                | 10.132 | 0.995 |

| Mainsail calcs. |        |
|-----------------|--------|
| MA              | MER    |
| 82.470          | 1.758  |
| MEF             | RMA    |
| 0.794           | 65.440 |

| Rated sail areas |         |
|------------------|---------|
| RSAH             | RSAS    |
| 89.526           | 99.657  |
| RSAC             | RSASC   |
| 107.321          | 113.893 |

| Lift factor |       |
|-------------|-------|
| LH          | LFH   |
| 81.526      | 1.004 |
| LS          | LFS   |
| 88.827      | 1.004 |
| LC          | LFC   |
| 94.251      | 1.004 |
| LSC         | LFSC  |
| 98.841      | 1.005 |

| Screacher calculations |        |        |
|------------------------|--------|--------|
| CA                     | RCA    | CMG%   |
| 97.854                 | 17.795 | 17.795 |

For details of the abbreviations, please visit <http://www.imhrr.com/imhrr-details.php>

| Standard IMHRR Rating |                    |                    |                     |
|-----------------------|--------------------|--------------------|---------------------|
| Headsail<br>TCF-H     | Spinnaker<br>TCF-S | Screacher<br>TCF-C | Spi & Scr<br>TCF-SC |
| <b>1.055</b>          | <b>1.104</b>       | <b>1.139</b>       | <b>1.169</b>        |

| Light IMHRR Rating <12kts |                     |                     |                      |
|---------------------------|---------------------|---------------------|----------------------|
| Headsail<br>TCFL-H        | Spinnaker<br>TCFL-S | Screacher<br>TCFL-C | Spi & Scr<br>TCFL-SC |
| <b>1.000</b>              | <b>1.047</b>        | <b>1.080</b>        | <b>1.107</b>         |