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Offshore Racing Congress  
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**2020**  
**Club**  
**Double Handed**

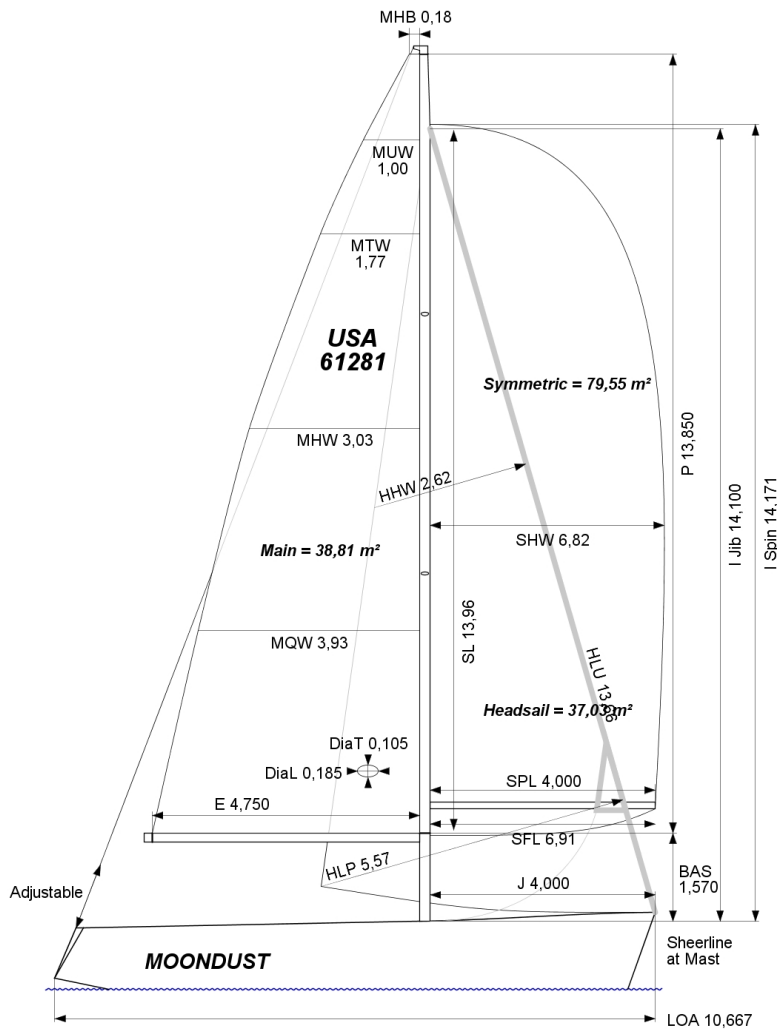
**Rating Office**

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**Congress**

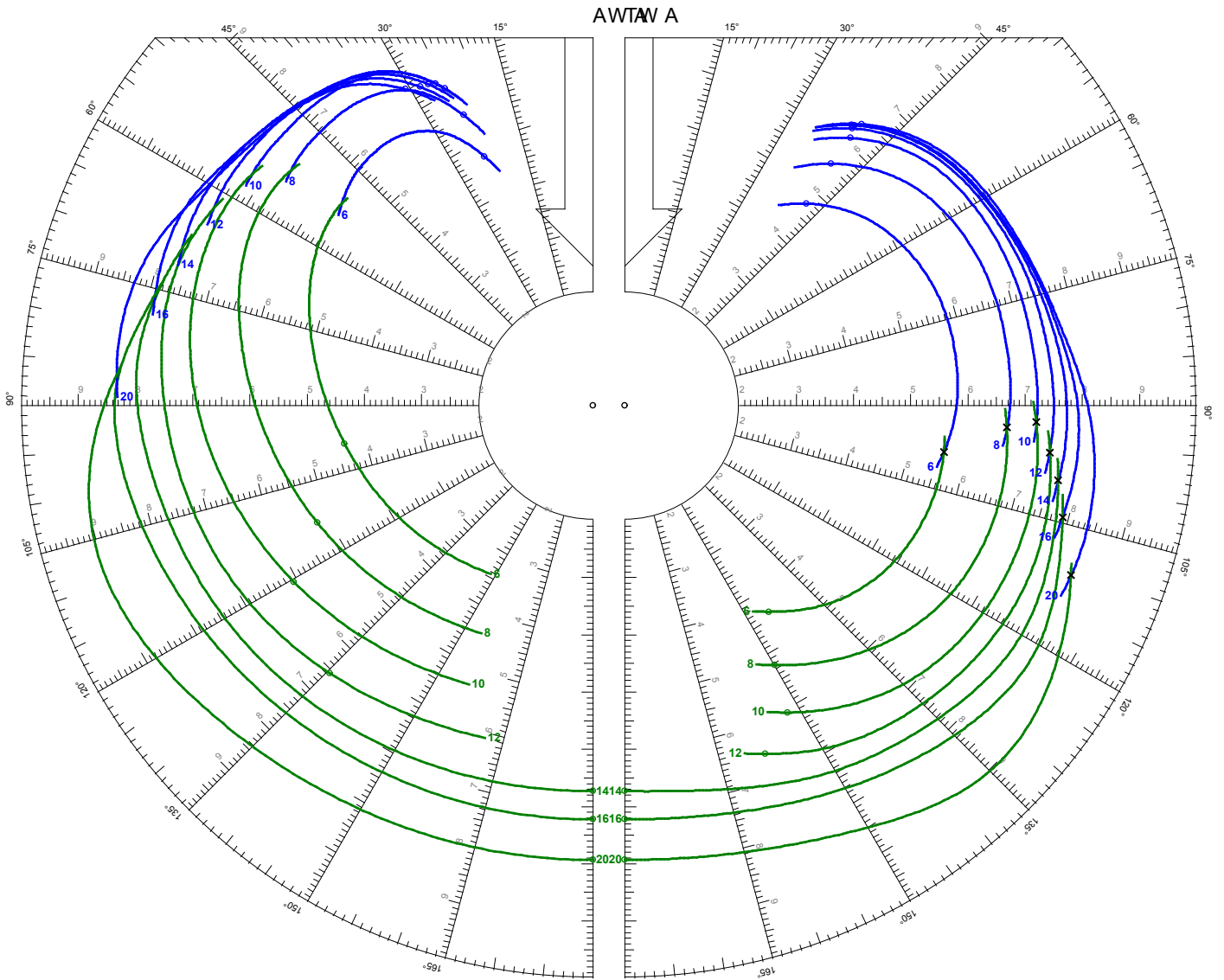


**Certificate**

Number **US6714**  
Issued On **11/09/2020**  
ORC Ref **03410000Q8B**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



<b>BOAT</b> Name <b>MOONDUST</b> Sail Nr <b>USA 61281</b>		<b>GPH</b> <b>634.2</b>	<b>HULL</b> Data File <b>US6714dh</b> LOA <b>10.667m</b> Offset File <b>F196.OFF</b> MB <b>3.458m</b> Displacement <b>5,410kg</b> Draft <b>2.213m</b>		<b>Crew Weight</b> Default <b>170kg</b> Maximum <b>170kg</b> Non Manual Pwr <b>No</b>	
<b>CLASS</b> Class <b>FIRST 36.7</b> Designer <b>FARR</b> Builder <b>BENETEAU</b> Series <b>10/2001</b> Age Date <b>01/2002</b> Age Allowance <b>0.487%</b>			<b>IMS Division</b> <b>Cruiser/Racer</b> Dynamic All. <b>0.022%</b> Fiber Rigging <b>No</b> Construction <b>Solid</b> Crew Arm Ex <b>0.00</b> Aramid Core <b>No</b> Carbon Rudder <b>No</b> Light Stanchions <b>No</b>		<b>Sails Limitations</b> Headsails <b>1</b> Spinnakers <b>4</b>	
<b>COMMENTS</b>			<b>IMSL</b> <b>9.523m</b> VCGD <b>0.167m</b> Sink <b>19.01kg/mm</b> RL <b>7.987m</b> VCGM <b>0.166m</b> WS <b>24.83m²</b> LSM0 <b>9.466m</b> Displacement/Length ratio <b>6.3782</b>		<b>Spinnaker configuration</b> Symmetric: <b>Yes 79.55</b> Asymmetric: <b>No</b> Flying H/S: <b>No</b> Spin. Pole: <b>Yes</b>	
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.405</b> Type <b>Folding 2 blades</b> PBW <b>0.110</b> PIPA <b>0.0031</b>			<b>CENTERBOARD</b> <b>N/A</b>		<b>Stability (Estimated)</b> Limit Positive Stab.: <b>111.6°</b> Stability Index: <b>113.0</b>	
<b>SCORING OPTIONS</b>						
	Time on Distance	Time on Time				
Coastal or Long Distance	<b>618.6</b>	<b>0.9699</b>				
Circular Random	<b>634.2</b>	<b>0.9461</b>				
Predominantly Upwind	<b>615.2</b>	<b>0.9753</b>				
Predominantly Downwind	<b>574.4</b>	<b>1.0446</b>				
<b>Owner</b>						



Polar Plot for Boat	
Name	MOONDUST
Sail Number	USA 61281
Class	FIRST 36.7
Designer	FARR
Builder	BENETEAU
Issued On	11/09/2020 - VPP 2020 1.02

# 2020

## Double Handed Certificate Appendix

<b>BOAT</b>			
Name	<b>MOONDUST</b>	Certificate Number	<b>US6714</b>
Sail Nr	<b>USA 61281</b>	Issued On	<b>11/09/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1024.9</b>	<b>855.9</b>	<b>773.6</b>	<b>747.2</b>	<b>738.1</b>	<b>738.5</b>	<b>735.9</b>
52°	<b>678.8</b>	<b>574.3</b>	<b>530.6</b>	<b>518.3</b>	<b>513.7</b>	<b>511.9</b>	<b>507.4</b>
60°	<b>645.3</b>	<b>551.1</b>	<b>514.9</b>	<b>503.3</b>	<b>498.7</b>	<b>496.8</b>	<b>492.9</b>
75°	<b>619.4</b>	<b>535.8</b>	<b>503.3</b>	<b>488.1</b>	<b>480.4</b>	<b>476.4</b>	<b>474.2</b>
90°	<b>623.9</b>	<b>537.1</b>	<b>501.3</b>	<b>482.3</b>	<b>467.9</b>	<b>456.9</b>	<b>447.0</b>
110°	<b>646.3</b>	<b>537.6</b>	<b>494.8</b>	<b>471.9</b>	<b>458.3</b>	<b>447.6</b>	<b>432.7</b>
120°	<b>665.4</b>	<b>550.1</b>	<b>500.3</b>	<b>474.3</b>	<b>452.0</b>	<b>433.2</b>	<b>413.5</b>
135°	<b>735.2</b>	<b>600.3</b>	<b>526.0</b>	<b>491.7</b>	<b>467.9</b>	<b>444.4</b>	<b>401.0</b>
150°	<b>870.9</b>	<b>691.5</b>	<b>586.2</b>	<b>523.1</b>	<b>491.7</b>	<b>469.2</b>	<b>425.6</b>
Run VMG	<b>1005.7</b>	<b>798.5</b>	<b>675.6</b>	<b>595.2</b>	<b>537.8</b>	<b>501.1</b>	<b>456.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1015.3</b>	<b>827.2</b>	<b>724.6</b>	<b>671.2</b>	<b>637.9</b>	<b>619.8</b>	<b>596.2</b>
Circular Random	<b>863.0</b>	<b>700.6</b>	<b>615.4</b>	<b>567.7</b>	<b>539.8</b>	<b>522.4</b>	<b>500.8</b>
Coastal / Long Distance	<b>1014.3</b>	<b>778.2</b>	<b>654.3</b>	<b>586.8</b>	<b>550.4</b>	<b>522.7</b>	<b>477.8</b>
Non Spinnaker	<b>908.2</b>	<b>732.3</b>	<b>638.8</b>	<b>585.5</b>	<b>553.7</b>	<b>533.7</b>	<b>508.7</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.0°</b>	<b>40.5°</b>	<b>40.1°</b>	<b>39.4°</b>	<b>39.0°</b>	<b>39.4°</b>	<b>40.1°</b>
Beat VMG	<b>3.51</b>	<b>4.21</b>	<b>4.65</b>	<b>4.82</b>	<b>4.88</b>	<b>4.87</b>	<b>4.89</b>
52°	<b>5.30</b>	<b>6.27</b>	<b>6.78</b>	<b>6.95</b>	<b>7.01</b>	<b>7.03</b>	<b>7.10</b>
60°	<b>5.58</b>	<b>6.53</b>	<b>6.99</b>	<b>7.15</b>	<b>7.22</b>	<b>7.25</b>	<b>7.30</b>
75°	<b>5.81</b>	<b>6.72</b>	<b>7.15</b>	<b>7.38</b>	<b>7.49</b>	<b>7.56</b>	<b>7.59</b>
90°	<b>5.77</b>	<b>6.70</b>	<b>7.18</b>	<b>7.46</b>	<b>7.69</b>	<b>7.88</b>	<b>8.05</b>
110°	<b>5.57</b>	<b>6.70</b>	<b>7.28</b>	<b>7.63</b>	<b>7.85</b>	<b>8.04</b>	<b>8.32</b>
120°	<b>5.41</b>	<b>6.54</b>	<b>7.20</b>	<b>7.59</b>	<b>7.96</b>	<b>8.31</b>	<b>8.71</b>
135°	<b>4.90</b>	<b>6.00</b>	<b>6.84</b>	<b>7.32</b>	<b>7.69</b>	<b>8.10</b>	<b>8.98</b>
150°	<b>4.13</b>	<b>5.21</b>	<b>6.14</b>	<b>6.88</b>	<b>7.32</b>	<b>7.67</b>	<b>8.46</b>
Run VMG	<b>3.58</b>	<b>4.51</b>	<b>5.33</b>	<b>6.05</b>	<b>6.69</b>	<b>7.18</b>	<b>7.89</b>
Gybe Angles	<b>145.0°</b>	<b>150.0°</b>	<b>152.0°</b>	<b>158.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>