

|                                |               |                |                |                               |                |                          |                |
|--------------------------------|---------------|----------------|----------------|-------------------------------|----------------|--------------------------|----------------|
|                                |               |                |                | <b>Defiant<br/>N603TB</b>     |                |                          |                |
| <b>Izzy Briggs</b>             |               |                |                |                               |                | <b>December 23, 2023</b> |                |
| <b>CG LIMITS:</b>              | <b>Front:</b> | 120            | in.            | Flight Ballast Station        | 5              | in.                      |                |
|                                | <b>Rear:</b>  | 127.6          | in.            |                               |                |                          |                |
| <b>Max. Gross Weight:</b>      |               | 3250           | lb.            |                               |                |                          |                |
|                                |               |                |                |                               |                |                          |                |
| <b>Calculation Area</b>        |               |                |                | <b>Empty Weight</b>           |                |                          |                |
|                                | <b>Weight</b> | <b>Station</b> | <b>Moment</b>  |                               | <b>Weight</b>  | <b>Station</b>           | <b>Moment</b>  |
| Empty                          | 2,037         | 124.6          | 253,879        | Right Main                    | 819.0          | 142.9                    | 117,035        |
| Strake Fuel                    | 170           | 149.0          | 25,330         | Left Main                     | 811.3          | 142.9                    | 115,935        |
| Pilot/CoPilot                  | 520           | 95.0           | 49,400         | Nose                          | 406.8          | 51.4                     | 20,910         |
| Rear Seats                     | 0             | 135.0          | 0              | <b>As Weighed</b>             | <b>2,037.1</b> | <b>124.6</b>             | <b>253,879</b> |
| Baggage                        | 0             | 165.0          | 0              | Fuel                          | 0.0            | 104.5                    | 0              |
| Aux Fuel                       | 0             | 125.0          | 0              | W&B Ballast                   | 0.0            | 1.0                      | 0              |
|                                | <b>2,727</b>  | <b>120.5</b>   | <b>328,609</b> | <b>Empty</b>                  | <b>2,037.1</b> | <b>124.6</b>             | <b>253,879</b> |
|                                |               |                |                |                               |                |                          |                |
| <b>Pilot – Full Fuel</b>       |               |                |                | <b>Pilot – Low Fuel</b>       |                |                          |                |
|                                | <b>Weight</b> | <b>Station</b> | <b>Moment</b>  |                               | <b>Weight</b>  | <b>Station</b>           | <b>Moment</b>  |
| Empty                          | 2,037         | 124.6          | 253,879        | Empty                         | 2,037          | 124.6                    | 253,879        |
| Strake Fuel                    | 630           | 149.0          | 93,870         | Strake Fuel                   | 48             | 149.0                    | 7,152          |
| Pilot/CoPilot                  | 334           | 95.0           | 31,730         | Pilot/CoPilot                 | 334            | 95.0                     | 31,730         |
| Rear Seats                     | 0             | 135.0          | 0              | Rear Seats                    | 0              | 135.0                    | 0              |
| Baggage                        | 0             | 165.0          | 0              | Baggage                       | 0              | 165.0                    | 0              |
| Aux Fuel                       | 237           | 125.0          | 29,625         | Aux Fuel                      | 27             | 125.0                    | 3,375          |
|                                | <b>3,238</b>  | <b>126.3</b>   | <b>409,104</b> |                               | <b>2,446</b>   | <b>121.1</b>             | <b>296,136</b> |
|                                |               |                |                |                               |                |                          |                |
| <b>Light Pilot – Full Fuel</b> |               |                |                | <b>Light Pilot – Low Fuel</b> |                |                          |                |
|                                | <b>Weight</b> | <b>Station</b> | <b>Moment</b>  |                               | <b>Weight</b>  | <b>Station</b>           | <b>Moment</b>  |
| Empty                          | 2,037         | 124.6          | 253,879        | Empty                         | 2,037          | 124.6                    | 253,879        |
| Strake Fuel                    | 630           | 149.0          | 93,870         | Strake Fuel                   | 48             | 149.0                    | 7,152          |
| Pilot/CoPilot                  | 360           | 95.0           | 34,200         | Pilot/CoPilot                 | 360            | 95.0                     | 34,200         |
| Rear Seats                     | 200           | 135.0          | 27,000         | Rear Seats                    | 200            | 135.0                    | 27,000         |
| Baggage                        | 0             | 165.0          | 0              | Baggage                       | 0              | 165.0                    | 0              |
| Aux Fuel                       | 0             | 125.0          | 0              | Aux Fuel                      | 0              | 125.0                    | 0              |
|                                | <b>3,227</b>  | <b>126.7</b>   | <b>408,949</b> |                               | <b>2,645</b>   | <b>121.8</b>             | <b>322,231</b> |
|                                |               |                |                |                               |                |                          |                |
| <b>Heavy Pilot – Full Fuel</b> |               |                |                | <b>Heavy Pilot – Low Fuel</b> |                |                          |                |
|                                | <b>Weight</b> | <b>Station</b> | <b>Moment</b>  |                               | <b>Weight</b>  | <b>Station</b>           | <b>Moment</b>  |
| Empty                          | 2,037         | 124.6          | 253,879        | Empty                         | 2,037          | 124.6                    | 253,879        |
| Strake Fuel                    | 630           | 149.0          | 93,870         | Strake Fuel                   | 48             | 149.0                    | 7,152          |
| Pilot/CoPilot                  | 430           | 95.0           | 40,850         | Pilot/CoPilot                 | 430            | 95.0                     | 40,850         |
| Rear Seats                     | 0             | 135.0          | 0              | Rear Seats                    | 0              | 135.0                    | 0              |
| Baggage                        | 0             | 165.0          | 0              | Baggage                       | 0              | 165.0                    | 0              |
| Aux Fuel                       | 0             | 125.0          | 0              | Aux Fuel                      | 0              | 125.0                    | 0              |
|                                | <b>3,097</b>  | <b>125.5</b>   | <b>388,599</b> |                               | <b>2,515</b>   | <b>120.0</b>             | <b>301,881</b> |