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FW: 147 Stinson Reliant SR-7 - Final Weight and Balance

1 message

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Fri, Jul 10, 2020

From: Tandy Walker [mailto:aerotan1503@outlook.com]
Sent: Monday, March 07, 2016 2:34 PM
Subject: 147 Stinson Reliant SR-7 - Final Weight and Balance

Stinson Reliant SR-7
March 7, 2016

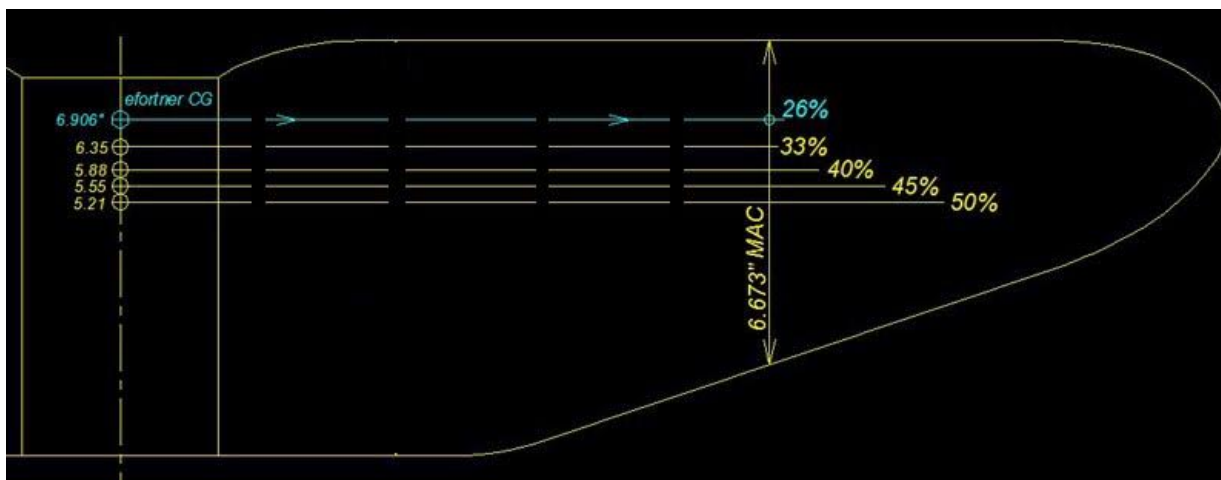
WEIGHT CHECK

Fitted with the new 1350 mAh LiPo battery pack and the 9 X 4.5e APC flight prop, the Stinson weighed in at 567 grams or (20.0 oz) as shown below.

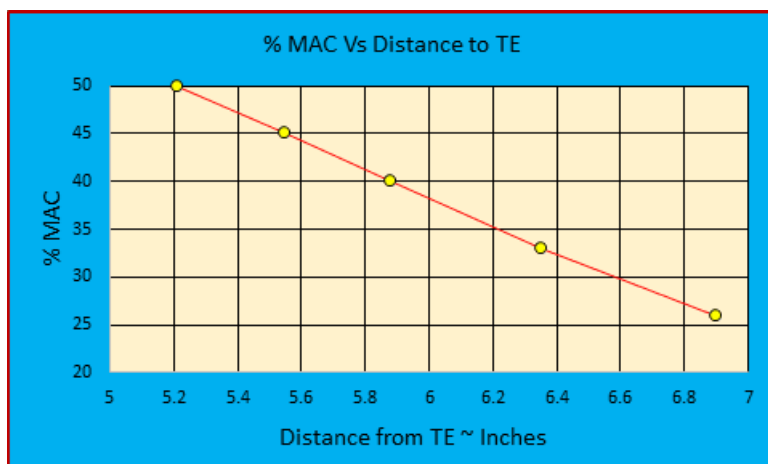


BALANCE CHECK

In the picture below, Alfredo Herbon calculated five discrete points of distance from the trailing edge at the fuselage center line that correspond to five discrete percent points of mean aerodynamic chord (MAC).



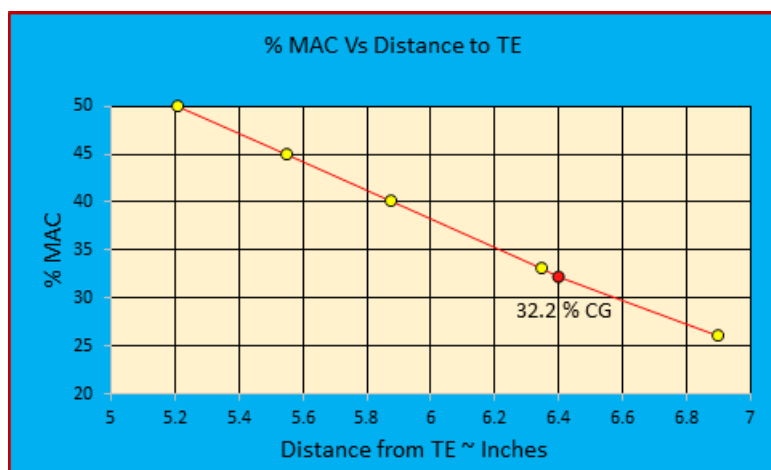
Based on Alfredo's data above, the variation of % MAC with inches from the trailing edge at the fuselage center line is shown in the chart below.



Fitted with the new 1350 mAh LiPo battery pack and the 9 X 4.5e APC flight prop, the Stinson's actual balance point was 6.4" forward of the TE as shown below.



The center of gravity as determined in the chart below is 32.2 % MAC.



SUMMARY OF RESULTS

Ready to Fly Weight = 20.0 oz

Center of Gravity = 32.2 %

*****Tandy*****

