

~~SECRET~~

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WS 117L Vehicle Height on Launch Stand

WDI  
ATTN: Lt Col V. L. Hastings

WDTR

DEC 26 1956

J. S. Coolbaugh/ls/13hh

1. The following values represent a summation of current booster and WS 117L lengths:

- a. SII-65 and WS 117L - 96 feet
- b. SII-68 and WS 117L - 112 feet

In both cases, the WS 117L vehicle was assumed to have a length of 24 1/2 feet, a diameter of 61 inches and a nose cone with a 30 degree included angle.

2. The above numbers do not include any factors to account for possible future design changes or required clearances between the vehicle and launcher superstructure. A good assumption for possible variations in length due to redesign of the WS 117L vehicle is to use 30 feet as the maximum length. This, then, means that the SII-68 booster and WS 117L combined length would be 117 1/2 feet. To allow for possible variations in the SII-68 booster design, this number should be rounded off to 125 feet.

3. Better values for the vehicle lengths will be made available to WDI as they become known.

SIGNED

FREDERIC C. E. OBER  
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Assistant for WS 117L  
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DOWNGRADED AT 12 YEAR  
INTERVALS: AUTOMATICALLY  
DECLASSIFIED. DOD DIR 5200.10

WDTR 56-271

WDTR  
J S Coolbaugh

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