**Urano/Paraná-XVb**

LT 7 Set 2018

Objetivos: teste de motor da classe H para H1k e localizador LoRa.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **altímetro** | **mp-61** | **mp-85** | **ml-4** | **sl-up-1** | **média** |
| **dados descarregados?** | Sim | Sim | Sim | Sim |  |
| **dados válidos?** | Sim | Sim | Não | Sim |  |
| **observação** |  |  |  | t(0)=1.20 sh(0)=0.0 m |  |
|  |  |  |  |  |  |
| **tq (s)** |  0.768 |  0.960 |  |  |  **0.86** |
| **hq (m)** |  146.7 |  185.8 |  |  |  **166.2** |
|  |  |  |  |  |  |
| **Vmax (m/s)** |  299.3 |  287.1 |  |  337.4 |  **307.9** |
| **Vmax (km/h)** | 1077 | 1034 |  | 1215 | **1109** |
| **amax (g)** |  44.9 |  42.0  |  |  |  **43.4** |
|  |  |  |  |  |  |
| **tH (s)** |  13.440 |  13.824 |  |  12.50 |  **13.25** |
| **H (m)** | 1218.9 | 1218.1 |  | 1212.2 | **1216.4** |
|  |  |  |  |  |  |
| **tI (s)** |  |  |  |  128.15 |  **128.25** |
| **hI (m)** |  |  |  |  5.2 |  **5.2** |
|  |  |  |  |  |  |
| **H – hI (m)** |  |  |  | 1207.0 | **1207.0** |
| **tqueda = tI – tH (s)** |  |  |  |  115.65 |  **115.65** |
| **Vqueda-média 1 (m/s)** |  |   |  |   |  |
| **Vqueda-média 1 (km/h)** |  |  |  |  |  |
| **Vqueda-média 2 (m/s)** |  |  |  |  |  |
| **Vqueda-média 2 (km/h)** |  |  |  |  |  |
| **Vqueda-média (m/s)** |  10.4 |  10.1 |  |  10.4 |  **10.3** |
| **Vqueda-média (km/h)** |  37.3 |  36.3 |  |  37.6 |  **37.1** |
|  |  |  |  |  |  |
| **H (pés)** |  |  |  | 3977 |  |
| **hI (pés)** |  |  |  |  17 |  |
|  |  |  |  |  |  |
| **Vmax (pés/s)** |  |  |  | 1107 |  |

mp-61: Vq = (1204.2-859.9)/(14.976-48.192) = 344.3 / 33.216 = 10.37 m/s = 37.3 km/h

mp-85: Vq = (1206.0-871.5)/(14.976-48.192) = 334.5 / 33.216 = 10.07 m/s = 36.3 km/h

m/s \* 3.6 = km/h pés \* 0.3048 = m pés/s \* 0.3048 = m/s

Vqueda-média = (H-hI) / tqueda

Marchi, 21 Set 2018