***Table E.1. Citation II*** Mass and Balance form

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **payload computations** | | | | **mass and balance computations** | | |
| *crew and pax* | *x*cgdatum  *[inches]* | *mass*  *[pounds]* | *moment*  *[inchpound]* | *Item* | *mass*  *[pound]* | *moment*  *[inchpounds]* |
| seat 1 | 131 | 198.42 |  | **basic empty mass** |  |  |
| seat 2 | 131 | 224.87 |  | *x*cgdatum at BEM = 291.65 | 9165.00 | 2672953.5 |
| seat 3 | 214 | 165.35 |  |  |  |  |
| seat 4 | 214 | 182.98 |  | **Payload =** 214.15 | 1631.42 | 349364.34 |
| seat 5  seat 6 | 251  251 | 145.51  196.21 |  |  |  |  |
| **zero fuel mass** |  |  |
| seat 7 | 288 | 187.39 |  | *x*cgdatum at ZFM = 279.94 | 10796.42 | 3022317.84 |
| seat 8 | 288 | 198.42 |  |  |  |  |
| seat 10 | 170 | 132.28 |  | **fuel load =** 285.50 | 4100.00 | 1170550.00 |
| *baggage* | | | |
| Nose | 74 | 0 | 0 | **ramp mass** |  |  |
| aft cabin | 321  338 | 0  0 | 0  0 | *x*cgdatum at RM = 281.47 | 14896.42 | 4192867.84 |
| Note: a heavy line above a field means that the preceding fields have to be summed. | | |
| **payload** | 214.15 | 1631.42 | 349364.34 |