**Log Book**

**Data Collected**

**Table 1: RPM at Different Flight Modes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **On the ground (not moving)** | **Take Off from ground to 5 feet** | **Hover (12 feet)** | **Hover (5 feet)** | **Moving Forward**  | **Moving Backward** | **Landing** |
| **Test 1** | **1859** | **3809**  | **4361** | **4348** | **4335** | **4501** | **2705** |
| **Test 2** | **1812** | **4435** | **4212** | **4333** | **4268** | **4448** | **2616** |
| **Test 3** | **1821** | **4263** | **4237** | **4232** | **4337** | **4501** | **3388**  |
| **Test 4** | **1769** | **4262** | **4252** | **4262** |  | **4471** | **2434** |
| **Test 5** | **1745** | **4262** |  |  |  |  |  |
| **Test 6** | **1772** |  |  |  |  |  |  |

**Table 2: Average RPM at Different Flight Modes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **On the ground (not moving)** | **Take Off from ground to 5 feet** | **Hover (12 feet)** | **Hover (5 feet)** | **Moving Forward**  | **Moving Backward** | **Landing** |
| **Average RPM** | **1796** | **4320** | **4293** | **4265** | **4313** | **4480** | **2685** |
|  |  | **Did not include test 1 in average** |  |  |  |  | **Did not include test 3 in average** |