

206B, N61PH WEIGHT & BALANCE - TEST PLAN No. 206B-MR-FTP-301

Flight Strain Survey - Aft C.G.

CONFIGURATION	LONGITUDINAL			LATERAL	
	WEIGHT	ARM	MOMENT	ARM	MOMENT
<b>Aircraft as Weighed - Including:</b>	2009.0	115.4	231838	0.1	187
Data Acquisition System and Instrumentation					
Pilot	175.0	65.0	11375	14.0	2450
Flight Test Engineer	185.0	65.0	12025	-11.0	-2035
Tracking Equipment or Laptop Computer	10.0	65.0	650	-11.0	-110
Ballast (baggage compartment)	100.0	161.0	16100	0.0	0
Ballast (behind Instrumentation box)	225.0	114.5	25763	0.0	0
Ballast (inside Instrumentation box)	0.0	106.9	0	0.0	0
Ballast (beside Instrumentation box)	0.0	106.8	0	0.0	0
Ballast (on pallet forward)	0.0	82.0	0	0.0	0
Ballast (on floor forward)	0.0	77.2	0	0.0	0
Takeoff Fuel (91.0 gal.)	591.5	118.0	69797	0.0	0
<b>Take Off Weight &amp; Center of Gravity</b>	<b>3295.5</b>	<b>111.5</b>	367548	<b>0.1</b>	<b>492</b>
47 mins of testing (71.8 gal. @ 25 gal./hr.)					
Test Bingo Fuel (71.8 gal.)	466.9	117.1	54665	0.0	0
Landing Fuel (60 gal.)	390.0	115.3	44967	0.0	0
<b>Test Bingo Weight &amp; Center of Gravity</b>	<b>3170.9</b>	<b>111.1</b>	352415	<b>0.2</b>	<b>492</b>
<b>Landing Weight &amp; Center of Gravity</b>	<b>3094.0</b>	<b>110.8</b>	342718	<b>0.2</b>	<b>492</b>

