

Aircraft Weighing Report

Multi-Point Platform Method (14 Platform)

MOD Format 756(C17A)
(Established Jul 24)

Latitude Correction Figure	
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	Platform Reading			Lat Corr Load	Cal Error	Actual Load
	Platform Ser No.	Load Applied	Load Removed			
Nose Pt						
Nose Stbd						
Sub Total						

Main Fwd Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Fwd Fwd Pt						
Fwd Fwd Stbd						
Sub Total						

Main Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Pt Outer						
Pt Inner						
Stbd Inner						
Stbd Outer						
Sub Total						

Main Fwd Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Fwd Aft Pt						
Fwd Aft Stbd						
Sub Total						

Main Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Pt Outer						
Pt Inner						
Stbd Inner						
Stbd Outer						
Sub Total						
Total Aircraft Weight						

	Platform Reading			Lat Corr Load	Cal Error	Actual Load
	Platform Ser No.	Load Applied	Load Removed			
Sub Total						

Main Fwd Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Fwd Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						
Total Aircraft Weight						

	Platform Reading			Lat Corr Load	Cal Error	Actual Load
	Platform Ser No.	Load Applied	Load Removed			
Sub Total						

Main Fwd Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Fwd						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Fwd Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						

Main Aft						
	Platform Ser No.	Load Applied	Load Removed	Lat Corr Load	Cal Error	Actual Load
Sub Total						
Total Aircraft Weight						

Median of 3 Total Aircraft Weights	Lbs	w =	
Nose u/c weight Aircraft level, from median total weight	Lbs	wt1 =	
Fwd Fwd main u/c weight Aircraft level from median total weight	Lbs	wmff =	
Fwd main u/c weight Aircraft level, from median total weight	Lbs	wmf =	
Fwd Aft main u/c weight Aircraft level from median total weight	Lbs	wmfa =	
Aft main u/c weight Aircraft level, from median total weight	Lbs	wma =	
Centre line of nose u/c to Fwd jacking point Aircraft level	ins	A =	
Centre line of Fwd Fwd main u/c to Aft jack point Aircraft level	ins	B =	
Centre line of Fwd main u/c to Aft jack point Aircraft level	ins	C =	
Centre line of Fwd aft main u/c to Aft jack point Aircraft level	ins	D =	
Centre line of Aft main u/c to Aft jacking point Aircraft level	ins	E =	
Distance of CG Datum to Fwd jacking point	ins	F =	
Distance of CG Datum to Aft jacking point	ins	G =	

Moment about nose u/c = wt1 x (F - A)	Lbs/ins	
Moment about Fwd Fwd main u/c = wmff x (G - B)	Lbs/ins	
Moment about Fwd main u/c = wmf x (G - C)	Lbs/ins	
Moment about Fwd Aft main u/c = wmfa x (G - D)	Lbs/ins	
Moment about Aft main u/c = wma x (G - E)	Lbs/ins	
As weighed total Aircraft moment	Lbs/ins	
As weighed C of G = Total Aircraft moment/Total Aircraft weight = a	ins	
Basic Weight = (w) plus deficiencies, minus surpluses = BW	Lbs	
Basic Moment = (m) plus deficiencies, minus surpluses = BM	Lbs/ins	
Basic C of G = BM/BW = X	ins	
% MAC = ((X-793.6)/309.5)x100		