

DHC-6-400 TWIN OTTER

WEIGHT AND BALANCE LOADING MANIFEST

SERIAL NO: 976		REGISTRATION NO: 600MH		LOADING COMPUTED BY:	
FLIGHT NO:	TO:	PILOT'S SIGNATURE:		DATE:	
	FROM:				

LIMITATIONS: FOR WEIGHT & CG LIMITS SEE HANDBOOK PSM 1-64-8

REF	ITEM	WEIGHT LB	ARM	<u>MOMENT</u> 100
1	BASIC AIRCRAFT EMPTY WEIGHT	6850.0	215.0	14727.5
2	FLIGHT CREW	450.0	95.0	427.5
3	OPERATIONAL WEIGHT	7300.0	207.6	15155.0
4	FUEL IN FWD TANK	1200.0	200.5	4812.0
5	FUEL IN AFT TANK	1200.0		
6	GROSS WEIGHT LESS PAYLOAD	9700.0	205.8	19967.0
7	PASSENGER ROW 1	0.0	135.0	0.0
8	PASSENGER ROW 2	450.0	165.0	742.5
9	PASSENGER ROW 3	450.0	195.0	877.5
10	PASSENGER ROW 4	450.0	225.0	1012.5
11	PASSENGER ROW 5	450.0	254.0	1143.0
12	PASSENGER ROW 6	450.0	281.0	1264.5
13	PASSENGER ROW 7	0.0	320.0	0.0
14	TOTAL PASSENGER WEIGHT	2250.0		
15				
16	FWD BAGGAGE COMPARTMENT (MAX 285 LBS)	150.0	25.0	37.5
17	AFT BAGGAGE COMPARTMENT (MAX 500 LBS)	300.0	354.0	1062.0
18	AFT BAGGAGE EXT SHELF (MAX 150 LBS)	100.0	391.0	391.0
19	CARGO COMPARTMENT C1		122.0	0.0
20	CARGO COMPARTMENT C2		142.0	0.0
21	CARGO COMPARTMENT C3		162.0	0.0
22	CARGO COMPARTMENT C4		182.0	0.0
23	CARGO COMPARTMENT C5		202.0	0.0
24	CARGO COMPARTMENT C6		222.0	0.0
25	CARGO COMPARTMENT C7		242.0	0.0
26	CARGO COMPARTMENT C8		262.0	0.0
27	CARGO COMPARTMENT C9		282.0	0.0
28	CARGO COMPARTMENT C10		302.0	0.0
29	CARGO COMPARTMENT C11		322.0	0.0
30	TOTAL CARGO WEIGHT	550.0		
31	GROSS WEIGHT AT ENGINE START-UP	12500.0	212.0	26497.5
32	FUEL BURN FOR WARM-UP & TAXI	400.0	200.5	802.0
33	TAKEOFF GROSS WEIGHT	12100.0	212.4	25695.5
34	TAKEOFF CG IN %MAC (20%-36%)	30.9		
35	FUEL BURN DURING FLIGHT	1000.0	200.5	2005.0
36	ESTIMATED LANDING GROSS WEIGHT	11100.0	213.4	23690.5
37	LANDING CG IN %MAC (20%-36%)	32.3		