N4446T WEIGHT & BALANCE - APRIL 10, 1999

		WEIGHT - #	ARM - INCHES	PRODUCT
EMPTY CG		873.5	30.99	27067
BATTERY		5	8	40
PILOT - FRONT		176.6	-45.3	-7999.98
PILOT - REAR		0	1.6	0
BALLAST	0	0	-65	0
		1055.1		19107.02
IN FLIGHT C.G. =		18.11		

GEHRLEIN DATA - 4/8/99

TAIL WHEEL	46.75 LBS
MAIN WHEEL	826.75 LBS
	873.5 LBS

EMPTY CG		873.5	30.99	27067
BATTERY		5	8	40
PILOT - FRONT		160.5	-45.3	-7270.65
PILOT - REAR		0	1.6	0
BALLAST	1	12.3	-65	-799.5
		1051.3		19036.85
IN FLIGHT C.G. =		18.11		

MAIN TO TAIL	170.25 = b INCHES
MAIN TO DATUM	21.875 = a INCHES
TAIL WHEEL	46.75 = G2 LBS
TOTAL	873.5 = G LBS

EMPTY CG = (G2*b)/G +a = 30.99 INCHES

EMPTY CG		873.5	31.0	27067
BATTERY		5	8	40
PILOT - FRONT		144.4	-45.3	-6541.32
PILOT - REAR		0	1.6	0
BALLAST	2	24.6	-65	-1599
		1047.5		18966.68
IN FLIGHT C.G. =		18.11		

EMPTY CG		873.5	30.99	27067
BATTERY		5	8	40
PILOT - FRONT		326	-45.3	-14767.8
PILOT - REAR		0	1.6	0
BALLAST	0	0	-65	0
		1204.5		12339.2
IN FLIGHT C.G. =		10.24		

PAGE 8 OF FLIGHT MANUAL STATES APPROVED FLIGHT C.G.
MAY FALL BETWEEN10.24 INCHES AND 18.11 INCHES AFT OF DATUM.
(DATUM = LEADING EDGE OF WING AT ROOT.)

PAGE 29 OF FLIGHT MANUAL STATES FRONT SEAT PILOT C.G. = -45.3 INCHES
FROM DATUM AND REAR SEAT PILOT C.G. = +1.6 INCHES FROM DATUM.

MAX ALLOWED GROSS WEIGHT IN FLIGHT = 1279 LBS.

NEW PLACARD SHOULD READ:

FOR SOLO FLIGHT BASED ON 4/4/99 WEIGHING:

PILOTS WEIGHT - LBS	145-161	161 - 177	177 - 242
TRIM WEIGHTS	2	1	0
1 TRIM WEIGHT = 12.3 LBS			

M E McCann
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4/10/99