BAY AVIONICS LTD
Honest Solutions-Plane Talk

WEIGHT AND BALANCE

5194 W Military Highway
Chesapeake, VA 23321
(757) 488-7700
HM1R197K

DATE:	10-Sep-21

MAKE	MODEL	S/N	N-NUMBER
Piper	PA-32-300	32-7240089	N4804T
ORIG EMPTY WT (lb):	1937.49	ORIG CG (in):	78.8421

Note: G3X + autopilot + GTX 345

NEW DATA

GROSS WEIGHT	3400	(lb)
NEW EMPTY WEIGHT	1937.48	(lb)
NEW USEFUL LOAD	1462.52	(lb)
ARM	79.34293016	(in)
MOMENT	153725.3403	(in-lb)

ITEM	WEIGHT (lb)	ARM (in)	MOMENT (in-lb)
ORIGINAL CONFIGURATION	1937.49	78.8421	152755.78
REMOVED			
Stratus ESG+ tray	-3.75	63.00	-236.25
AV-801	-0.30	64.00	-19.20
Datcon hr meter	-0.10	65.00	-6.50
Radio coupler	-0.80	63.00	-50.40
Piper autocontrol III	-1.00	63.00	-63.00
Mitchell servo	-2.75	120.00	-330.00
Control box 596-181	-0.10	63.00	-6.30
Aerosonic Altimeter	-1.50	63.00	-94.50
VSI	-0.70	63.00	-44.10
manifold pressure	-1.00	63.00	-63.00
EGT	-0.25	63.00	-15.75
Engine gauge cluster	-0.80	65.00	-52.00
Tachometer	-0.50	64.00	-32.00
Airspeed	-0.70	64.00	-44.80
Turn/bank	-2.00	64.00	-128.00
GI-106B	-1.30	68.80	-89.44
Directional Gyro	-3.20	63.00	-201.60
Atittude Indicator	-2.50	63.00	-157.50
KI209	-1.20	64.00	-76.80
Heathkit timer	-1.50	64.00	-96.00
Pitch Trim Servo	-3.20	196.80	-629.76
Plastic overlays	-1.50	66.00	-99.00
			0.00
			0.00
			0.00
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			0.00
			0.00
			0.00
Sub Total	1906.84		150219.88

ITEM	WEIGHT (lb)	ARM (in)	MOMENT (in-lb)
CONTINUED	1906.84	0	150219.88
ADDED			
GMU 11	0.26	1.00	0.26
GSU 25 D	0.68	63.00	42.84
GDU 460	4.81	64.00	307.84
GEA 24	1.60	36.00	57.60
G5	0.98	64.00	62.72
GAD 27	0.97	38.00	36.86
GMC 507	0.82	65.00	53.30
GSA 28 roll	2.44	112.00	273.28
GSA 28 pitch	2.44	264.00	644.16
GSA 28 yaw	2.44	259.00	631.96
GSA 28 pitch trim	2.44	268.00	653.92
GTX 345	3.20	63.00	201.60
Ashby Glareshield	2.50	63.00	157.50
Metal Panel overlays	2.00	66.00	132.00
GAD 29B	0.71	62.00	44.02
Wiring	2.00	90.00	180.00
USB-C	0.10	66.00	6.60
GA-56	0.25	76.00	19.00
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			0.00
Total	1937.48		153725.34

MARK G PETERS

Authorized Signature (CRS HM1R197K)