

STOLP STARDUSTER CORP.				
5/21/98				
<b><u>WEIGHT AND BALANCE FOR STARDUSTER SA300, 54GM</u></b>				
HORIZONTAL DATUM: TOP LONGERON - MUST BE LEVEL				
VERTICAL DATUM: FIREWALL				
FORWARD C.G. LIMIT:		18.0		
AFT C.G. LIMIT:		27.0 Do not exceed:		
<u>EMPTY WEIGHT C.G. CALCULATIONS</u>				
WEIGHING POINT	WEIGHT	DISTANCE	MOMENT	
RIGHT MAIN ( R1 )	621	8.75	5433.75	
LEFT MAIN ( R2 )	635	8.75	5556.25	
TAIL WHEEL ( R3 )	58	184.6	10706.8	
COLUMN TOTALS	1314		21696.8	
D = D1 x ( R1 + R2 ) + D2 x ( R3 )				
R1 + R2 + R3		16.5		<u>EMPTY C.G.</u>
<u>MAX FORWARD C.G. CALCULATONS</u>				
AIRCRAFT EMPTY WEIGHT	WEIGHT	ARM	MOMENT	
RIGHT MAIN ( R1 )	621	8.75	5433.75	
LEFT MAIN ( R2 )	635	8.75	5556.25	
TAIL WHEEL ( R3 )	58	184.6	10706.8	
Co-pilot	0	42	0	
PILOT	120	70	8400	
FUEL, MAIN	120	12	1440	
FUEL, WING	37.5	20	750	
OIL	17	-31	-527	
TOTALS EACH COLUMN	1609		31759.8	
		TOTAL MOMENT	31759.8	
		TOTAL WEIGHT	1608.5	19.7 <u>FORWARD C.G.</u>
<u>MAX AFT C.G. CALCULATONS</u>				
AIRCRAFT EMPTY WEIGHT	WEIGHT	ARM	MOMENT	
RIGHT MAIN ( R1 )	621	8.75	5433.75	
LEFT MAIN ( R2 )	635	8.75	5556.25	
TAIL WHEEL ( R3 )	58	184.6	10706.8	
BAGGAGE	10	84	840	
PILOT	260	70	18200	
COPILOT	200	42	8400	
FUEL, MAIN	50	12	600	
FUEL, WING	0	20	0	
OIL	12	-31	-372	
TOTALS EACH COLUMN	1846		49364.8	
		TOTAL MOMENT	49364.8	
		TOTAL WEIGHT	1846	26.7 <u>AFT C.G.</u>