



3600# SR22 - ASN4444
WEIGHT AND BALANCE SHEET
DATA ENTRY PAGE

GENERAL

Date Weighed 1/11/16
 Airplane Serial Number 4444
 Registration Number N838WP
 Mechanic G Larson

NOTE
 The user shall only enter data in cells with green color.

NOTE
 Cells with blue color are for ENG only.

NOTE
 Changing selections in purple require supervisor approval.

STANDARD PARAMETERS

	Weight	FS
FIKI SYSTEM	52.7 lbs	146.5 in
FIKI FLUID, Max	73.4 lbs	148.3 in
Ice protection system	26.3 lbs	180.3 in
Ice protection fluid, max	27.4 lbs	148.3 in
Unusable fuel	15.0 lbs	154.9 in
Unusable glycol	4.6 lbs	148.3 in
Fuel tank, full	552.0 lbs	154.9 in
All-up fuel weight	567.0 lbs	154.9 in
Fuel density	6.0 lbs/gal	
Density of ice protection fluid	9.1 lbs/gal	
Mean Aerodynamic Chord	47.7 in	
FS for LE of MAC	133.1 in	
Basic Xcg bandwidth	10.3 in	

Fuel Status
 Airplane had no fuel when weighed
 Airplane had full tanks when weighed
Weighing Specifics
 Airplane was weighed Full of Oxygen (if present)

WEIGHING PRELIMINARIES

Optional Equipment Installed

<input checked="" type="checkbox"/> Known Ice Protection (FIKI)	<input checked="" type="checkbox"/> MD302 (Standby Attitude Module)
<input checked="" type="checkbox"/> Airplane has Air Conditioning	<input checked="" type="checkbox"/> Convenience System Controller (lighting)
<input type="checkbox"/> Airplane has Blower Fan Only	<input checked="" type="checkbox"/> Yaw Servo
<input checked="" type="checkbox"/> Airplane has Oxygen	<input checked="" type="checkbox"/> Tanis Engine-Preheater
<input checked="" type="checkbox"/> CO Detector	<input checked="" type="checkbox"/> EVS
<input checked="" type="checkbox"/> Garmin 12" Displays <input type="checkbox"/> Garmin 10" Displays	<input checked="" type="checkbox"/> GTX 345 Mode S Transponder
<input checked="" type="checkbox"/> Garmin Autopilot GMC 707	<input type="checkbox"/> GTX 335 Mode S w/ ES Transponder
<input checked="" type="checkbox"/> GMA350c Audio Panel	<input type="checkbox"/> Rear Bench Seat with 2 Seat Belts
<input checked="" type="checkbox"/> Dual GSU 75 ADAHRS	<input checked="" type="checkbox"/> Rear Bench Seat with 3 Seat Belts
<input checked="" type="checkbox"/> Garmin 800 GTS System	<input type="checkbox"/> Bucket Style Rear Seat
<input type="checkbox"/> DME	<input type="checkbox"/> Light Weight Hub/Propeller Installation
<input type="checkbox"/> Iridium - GSR56	<input checked="" type="checkbox"/> Hartzell Propeller Installation
<input type="checkbox"/> L3 StormScope	<input type="checkbox"/> Hartzell Composite Installation
<input checked="" type="checkbox"/> Airplane has XM WX	<input type="checkbox"/> McCauley Propeller Installation
	<input type="checkbox"/> MT Propeller

Contact Don Carriveau - Report Aircraft configuration Weight is higher than expected
 Contact Don Carriveau - Report Aircraft configuration Weight is higher than expected

WEIGHING RESULTS

	Weight	FS	Moment
Left Wing Weight	1207.0 lbs	142.62 in	172142 in-lbs
Right Wing Weight	1207.0 lbs	142.62 in	172142 in-lbs
Tail Weight	16.5 lbs	315.08 in	5199 in-lbs
Total Weight	2398 lbs		339086 in-lbs

WEIGHT ANALYSIS

	Weight	FS	Moment	Comments
Total Weight	2398 lbs		339086 in-lbs	
Oxygen Adjustment	6 lbs	273.5 in	1750 in-lbs	
Unusable fuel adjustment	15 lbs	154.9 in	2323 in-lbs	
Unusable Glycol adjustment	4.6 lbs	148.3 in	677 in-lbs	
Usable fuel adjustment	0 lbs	154.9 in	0 in-lbs	
Post W&B config changes	1.2 lbs	161.0 in	193 in-lbs	ADDED EVS DCARLSON 1-13-17
Post W&B config changes	0.0 lbs		0 in-lbs	
ADJUSTED TOTAL	2412 lbs		340529 in-lbs	

Empty Weight **2412 lbs**
CG Location **141.2 in** or **16.96 %MAC**

Instructions to Save File:
 Use the "Save As" command. File name should be the aircraft serial number.
 File location should be \\ALFA\Manufacturing\Public\Weight_and_Balance
 Select the appropriate model folder then select the appropriate serial number range folder.

ABBREVIATIONS

Aft Gross AG
 Engineering ENG
 Forward Intermediate FI
 Forward Gross FG
 Fuselage Station FS
 Leading Edge LE
 Mean Aerodynamic Chord MAC
 Production Flight Test PFT
 Waterline WL

**Delivered Weight Data
& Equipment List**

Model SR22

Serial Number: 4444
Registration Number: N838WP
Basic Empty Weight: 2412 lb
Total Moment/1000: 340.529
Center of Gravity: F.S.141.2

The following pages list required, standard, and optional equipment, as well as gives the weight and arm of each listed item. This listing represents the airplane and all options available at the time of delivery and does not include any equipment installed after delivery.

Note:
 Not all optional equipment in this listing was installed in the above serial number airplane. Equipment listed as optional but not installed in the airplane is indicated by a hyphen (-) in the quantity column for that piece of equipment.

ATA - Item:
 Each item in the listing is provided a unique number. The first two digits of the number represent the ATA or GAMA Chapter reference number. These numbers are used industry wide and in the Cirrus Design SR22T Maintenance Documentation to locate items in the Maintenance Manuals and/or Parts Catalogs. The two digits following the hyphen are sequence numbers for each item in that chapter.

Description:
 This is the component, assembly, or installation name.

Sym:
 Items in this listing are coded by a symbol indicating the status of the item. These codes are:
C Required item for FAA Certification.
S Standard equipment. Most standard equipment is applicable to all airplanes. Some equipment may be replaced by optional equipment.
O Optional equipment. Optional equipment may be installed in addition to or to replace standard equipment.

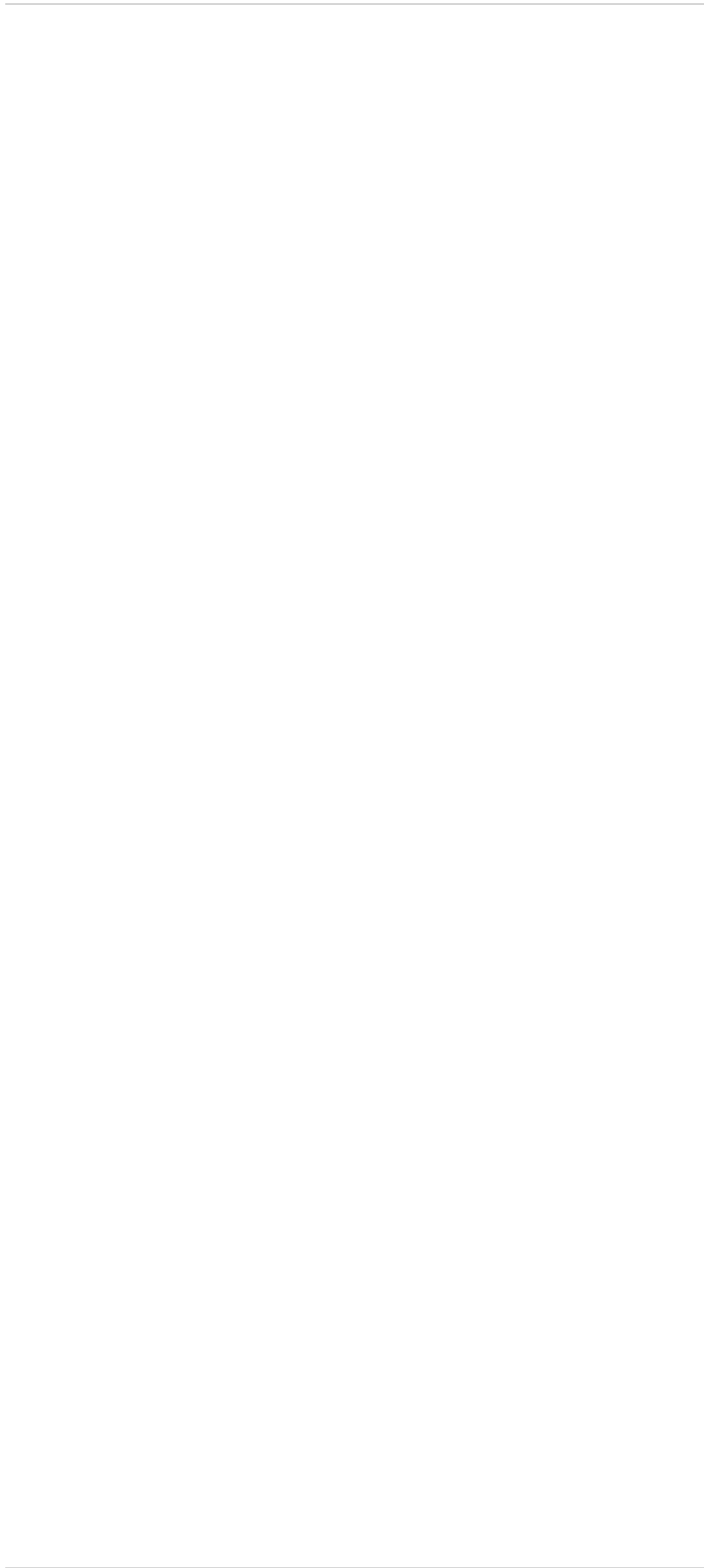
Qty:
 The quantity of the listed item in the airplane. A hyphen (-) in this column indicates that the equipment was not installed.

Part Number
 This is the Cirrus Design Part Number for the component, assembly, or installation.

Unit Wt
 The weight, in pounds, of one each of the listed item.

Arm
 The arm, in inches, of the listed item.

ATA / Item	Description	Sym	Qty	Part Number	Unit Wt	Arm
21	Air Conditioning					
21-01	Blower Fan Only	O	-	20970-xxx	7.3	133.0
21-02	Compressor Assembly	O	1	21119-xxx	15.0	93.1
21-03	Condenser Assembly	O	1	21239-xxx	17.0	132.8
21-04	Evaporator Assembly	O	1	21114-xxx	17.5	199.5
22	AutoFlight					
22-01	Garmin AutoPilot Controller, GMAc 707	S	1	30528-xxx	0.6	136.5
22-02	Altitude Transducer	S	1	12722-xxx	0.2	112.4
23	Communication					
23-01	GMA330C Audio Panel	O	1	29396-xxx	1.6	125.8
24	Electrical					
24-01	Convenience System Controller	O	1	36517-xxx	0.7	179.2
25	Equipment & Furnishings					
25-01	First Seat & Restraint Incl. (Leather: add 0.4 lb each)	C	2	31981-xxx	27.0	149.3
25-02	Rear Seat Installation (Leather: add 0.4 lb each)	C	-	29492-xxx	21.8	180.0
25-03	Rear Seat Restraint	C	-	12491-xxx	2.3	180.0
25-04	Rear bench seat installation (Leather: add 0.8 lb)	C	1	31995, 31995, 31993	26.9	163.0
25-05	Rear Seat Restraint 3 point - 2 seat belt	C	-	29405-xxx	3.3	200.0
25-06	Rear Seat Restraint 3 point - 3 seat belt	C	1	29405-xxx	5.1	200.0
26	Fire Protection					
26-01	Portable Fire Extinguisher	C	1	12533-xxx	2.5	118.4
27	Flight Controls					
27-01	Yaw Servo Installation	O	1	29680-xxx	5.4	236.0
33	Lights					
33-01	Landing Light Installation	S	1	18983-xxx	1.9	80.0
34	Navigation & Pilot Static					
34-01	Com 1 Antenna	C	1	12740-xxx	0.5	178.5
34-02	Com 2 Antenna	S	1	12741-xxx	0.5	204.6
34-03	Garmin 12" Display	O	1	36739-xxx	5.8	118.5
34-04	Garmin 12" Display	C	1	36739-xxx	5.8	117.0
34-05	Garmin 10" Display	O	-	36739-xxx	4.5	193.5
34-06	Garmin 10" Display	C	-	36739-xxx	4.5	117.0
34-07	Altimeter	C	-	12102-xxx	1.1	116.1
34-08	Airspeed Indicator	C	-	12068-xxx	0.7	116.9
34-09	Magnetic Compass	C	1	12651-xxx	0.3	132.7
34-10	Attitude Gyro	C	-	24668-xxx	2.2	114.5
34-11	Marker Beacon Antenna	S	1	12743-xxx	0.6	200.0
34-12	GPS 1 Antenna	C	1	12744-xxx	0.4	136.2
34-13	GPS 2 Antenna/Trimble Combo Antenna	S	1	29301-xxx	0.4	200.0
34-14	Transponder Antenna	C	1	12739-xxx	0.1	195.0
34-15	GPS/NAV/COM/1 GMA63W	S	1	24662-xxx	6.3	110.5
34-16	GPS/NAV/COM/2 GMA63W	S	1	24662-xxx	6.3	111.0
34-17	ADARHS G5U 75	O	2	36741-xxx	1.4	112.5
34-18	CO Detector	O	1	24669-xxx	0.2	164.6
34-19	FMS Keyboard, GCU 470 Controller	S	1	36749-xxx	0.6	124.0
34-20	DME (KNA61)	O	-	24658-xxx	2.8	122.0
34-21	DME Antenna (KAS1)	O	-	24658-xxx	0.2	114.5
34-22	MODE2 (Standby Attitude Module)	C	1	30499-xxx	1.5	116.1
35	Engine Monitoring					
35-01	Rack/Unit Installation, GEA 71	S	1	24666-xxx	2.2	111.5
36	Traffic Option					
36-01	Garmin Traffic GTS 800	O	1	26659-xxx	9.9	139.0
36-02	Antenna, Monopole	O	1	26656-xxx	0.2	180.0
36-03	Antenna, Directional, GA 58	O	1	26659-xxx	0.8	157.2
37	Weather Option					
37-01	Stormscope Processor	O	-	12745-xxx	1.7	199.0
37-02	Stormscope Antenna	O	-	12745-xxx	0.9	191.0
37-03	ISIRI 58 Infrared Satellite Receiver	O	-	29307-xxx	4.2	231.1
38	Transponder Option					
38-01	GTX 345 Mode S UAT Transponder	O	1	36745-xxx	3.1	230.0
38-02	GTX 335 Mode S w/ES Transponder	O	-	36745-xxx	2.8	230.0
39	XM Satellite Options					
39-01	XM WX/Radio Receiver	O	1	24657-xxx	2.7	230.3
40	Oxygen					
40-01	Booth Assembly - Empty	O	1	100N000-4	10.9	262.3
40-02	Full				23.8	265.3
61	Propeller					
61-01	Light Weight Hub Propeller Installation	O	-	13099-xxx	63.2	48.0
61-02	Hartzel Propeller Installation	C	1	13099-xxx	79.8	48.0
61-03	Hartzel Composite Propeller Installation	O	-	18973-xxx	67.2	48.0
61-04	McCaulley Propeller Installation	O	-	15827-xxx	78.0	50.0
61-05	MT Propeller	O	-	18066-xxx	56.2	48.0
61-06	Propeller Governor	C	1	21285-xxx	3.2	61.7
72	Engine					
72-01	Turns Engine Pre-heater	O	1	25028-xxx	2.1	61.0
95	Special Equipment					
95-01	Enhanced Vision System	O	1	24737-xxx	1.2	161.0





3600# SR22 - ASN 4444

WEIGHT AND BALANCE SHEET

PFT OPERATIONAL PAGE

BASIC AIRPLANE DATA

Date weighed	1/11/16
Airplane Serial Number	4444
Registration Number	N838WP
Prepared by	
Airplane Empty Weight	2412 lbs (includes unusable fuel)
Empty Weight CG-location	141.2 in

NOTE
The user shall only enter data in cells with green color.

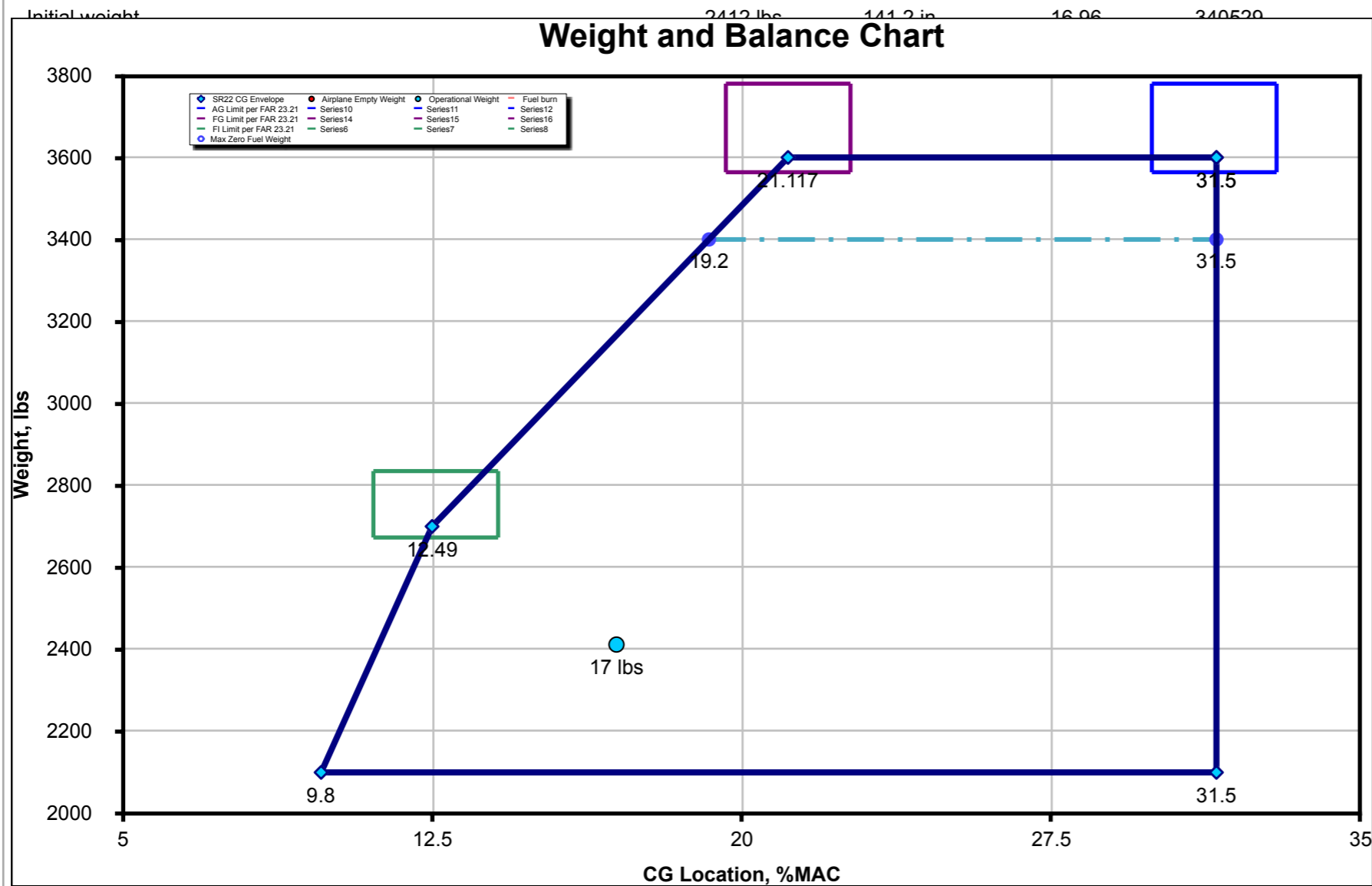
NOTE
Cells with blue color are for ENG only.

MISSION SPECIFIC CREW AND EQUIPMENT

	Weight	FS	Moment	Notes
Empty Wgt w/unusable fuel	2412 lbs	141.2 in	340529 in-lbs	Based on results from the "General" page.
Fuel quantity in gallons	0.0 gal			Entered amount of fuel is automatically converted to lbs.
Fuel quantity in lbs	0 lbs	154.9 in	0 in-lbs	
Ice protection fluid qty in gals (FIKI)	0.0 gal			Entered amount of TKS is automatically converted to lbs.
Ice protection fluid in lbs (FIKI)	0 lbs	148.3 in	0 in-lbs	
Oxygen	0.0 lbs	273.5 in	0 in-lbs	Add 6.4lbs if Oxygen is present, weight of tank is already included in empty weight.
Front seat, Left (Pilot)	0 lbs	143.5 in	0 in-lbs	Nominal is 143.5 in.
Front seat, Right (FTE)	0 lbs	143.5 in	0 in-lbs	Nominal is 143.5 in.
Floor Ballast	0 lbs	124.0 in	0 in-lbs	
Ballast in front Right seat	0 lbs	146.0 in	0 in-lbs	<input type="checkbox"/> Full FWD position <input type="checkbox"/> Full AFT position
Survival Kit (17.5 lbs typical)	0 lbs	180.0 in	0 in-lbs	<input type="checkbox"/> in FWD seat <input type="checkbox"/> in AFT seat
Weight Box, front Right seat	0 lbs	143.5 in	0 in-lbs	
Aft Left seat (24 lbs)	0 lbs	180.0 in	0 in-lbs	Nominal FS is 180.0 in.
Aft Right seat (24 lbs)	0 lbs	180.0 in	0 in-lbs	Nominal FS is 180.0 in.
Rear bench seat (13.2 lbs)	0 lbs	184.0 in	0 in-lbs	Nominal FS is 184.0 in.
Rear split backs (16.5 lbs)	0 lbs	184.0 in	0 in-lbs	Nominal FS is 184.0 in.
FWD baggage area (box 18 lbs)	0 lbs	202.0 in	0 in-lbs	
FWD baggage area (ballast)	0 lbs	202.0 in	0 in-lbs	
AFT baggage area (box 18 lbs)	0 lbs	214.0 in	0 in-lbs	
AFT baggage area (ballast)	0 lbs	214.0 in	0 in-lbs	
TOTALS	2412 lbs		340529 in-lbs	

MFG	MFG/SUP	QA/Pilot
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Operational Weight	2412 lbs
CG-location	141.2 in or 16.96 %MAC





3600# SR22 - ASN 4444

WEIGHT AND BALANCE SHEET

PFT OPERATIONAL PAGE - FORWARD INTERMEDIATE

BASIC AIRPLANE DATA

Date weighed 1/11/16
 Airplane Serial Number 4444
 Registration Number N838WP
 Prepared by
 Airplane Empty Weight 2411.9 lbs (includes unusable fuel)
 Empty Weight CG-location 141.2 in

NOTE
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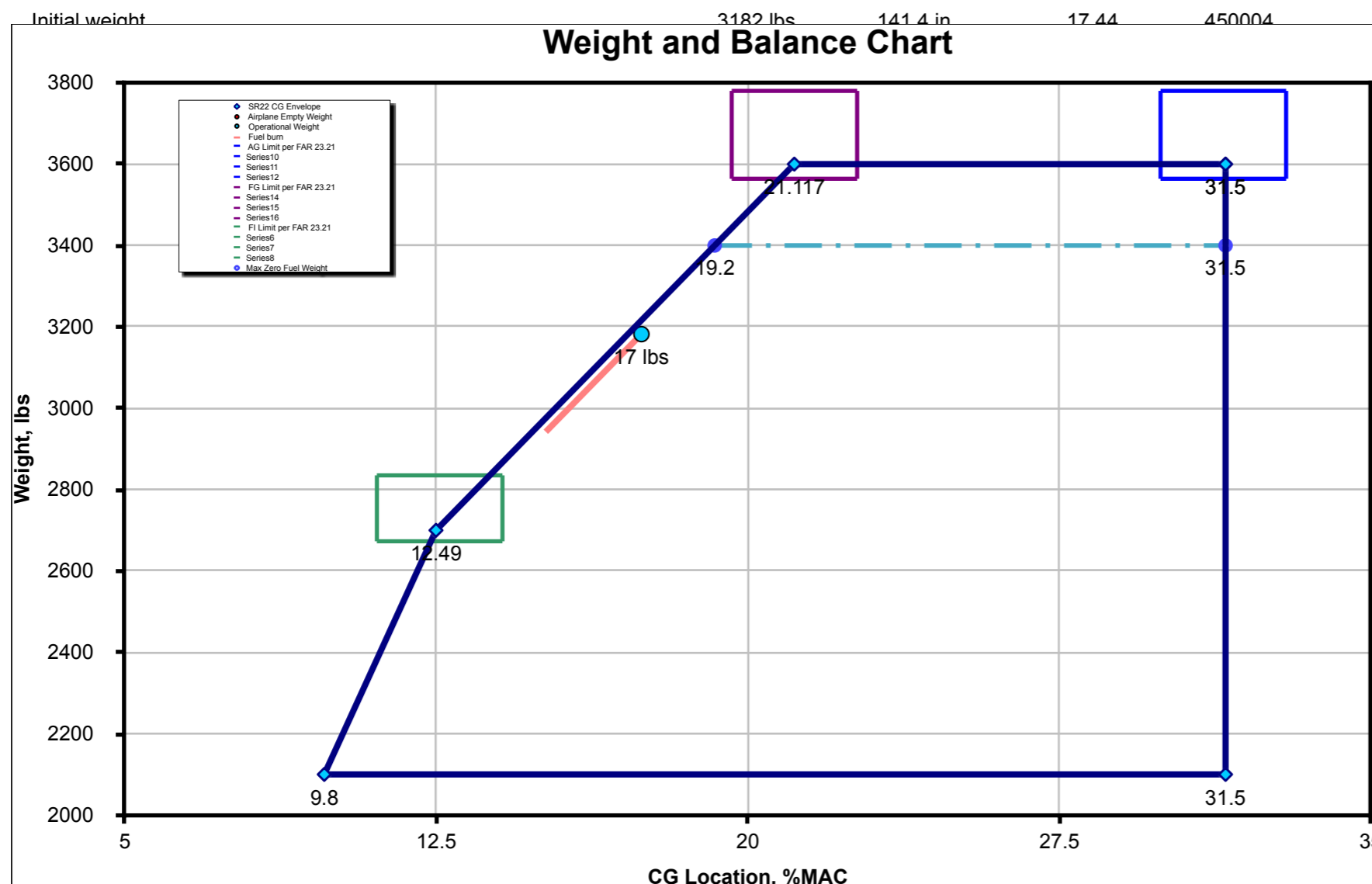
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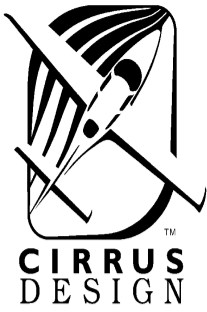
MISSION SPECIFIC CREW AND EQUIPMENT

	Weight	FS	Moment	Notes
Empty Wgt w/unusable fuel	2412 lbs	141.2 in	340529 in-lbs	Based on results from the "General" page.
Fuel quantity in gallons	40.0 gal			Entered amount of fuel is automatically converted to lbs.
Fuel quantity in lbs	240 lbs	154.9 in	37171 in-lbs	
Ice protection fluid qty in gals (FIKI)	5.9 gal			Entered amount of TKS is automatically converted to lbs.
Ice protection fluid in lbs (FIKI)	54 lbs	148.3 in	7984 in-lbs	
Oxygen	6.4 lbs	273.5 in	1750 in-lbs	Add 6.4lbs if Oxygen is present, weight of tank is already included in empty weight.
Front seat, Left (Pilot)	220 lbs	143.5 in	31570 in-lbs	Nominal is 143.5 in.
Front seat, Right (FTE)	0 lbs	143.5 in	0 in-lbs	Nominal is 143.5 in.
Floor Ballast	250 lbs	124.0 in	31000 in-lbs	
Ballast in front Right seat	0 lbs	146.0 in	0 in-lbs	<input type="checkbox"/> Full FWD position <input type="checkbox"/> Full AFT position
Survival Kit (17.5 lbs typical)	0 lbs	180.0 in	0 in-lbs	<input type="checkbox"/> in FWD seat <input type="checkbox"/> in AFT seat
Weight Box, front Right seat	0 lbs	143.5 in	0 in-lbs	
Aft Left seat (24 lbs)	0 lbs	180.0 in	0 in-lbs	Nominal FS is 180.0 in.
Aft Right seat (24 lbs)	0 lbs	180.0 in	0 in-lbs	Nominal FS is 180.0 in.
Rear bench seat (13.2 lbs)	0 lbs	184.0 in	0 in-lbs	Nominal FS is 184.0 in.
Rear split backs (16.5 lbs)	0 lbs	184.0 in	0 in-lbs	Nominal FS is 184.0 in.
FWD baggage area (box 18 lbs)	0 lbs	202.0 in	0 in-lbs	
FWD baggage area (ballast)	0 lbs	202.0 in	0 in-lbs	
AFT baggage area (box 18 lbs)	0 lbs	214.0 in	0 in-lbs	
AFT baggage area (ballast)	0 lbs	214.0 in	0 in-lbs	
TOTALS	3182 lbs		450004 in-lbs	

MFG	MFG/SUP	QA/Pilot
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Operational Weight 3182 lbs
CG-location 141.4 in or 17.44 %MAC





3600# SR22 - ASN 4444

WEIGHT AND BALANCE SHEET

PFT OPERATIONAL PAGE - AFT GROSS

BASIC AIRPLANE DATA

Date weighed	1/11/16
Airplane Serial Number	4444
Registration Number	N838WP
Prepared by	
Airplane Empty Weight	2412 lbs (includes unusable fuel)
Empty Weight CG-location	141.2 in

NOTE
The user shall only enter data in cells with green color.

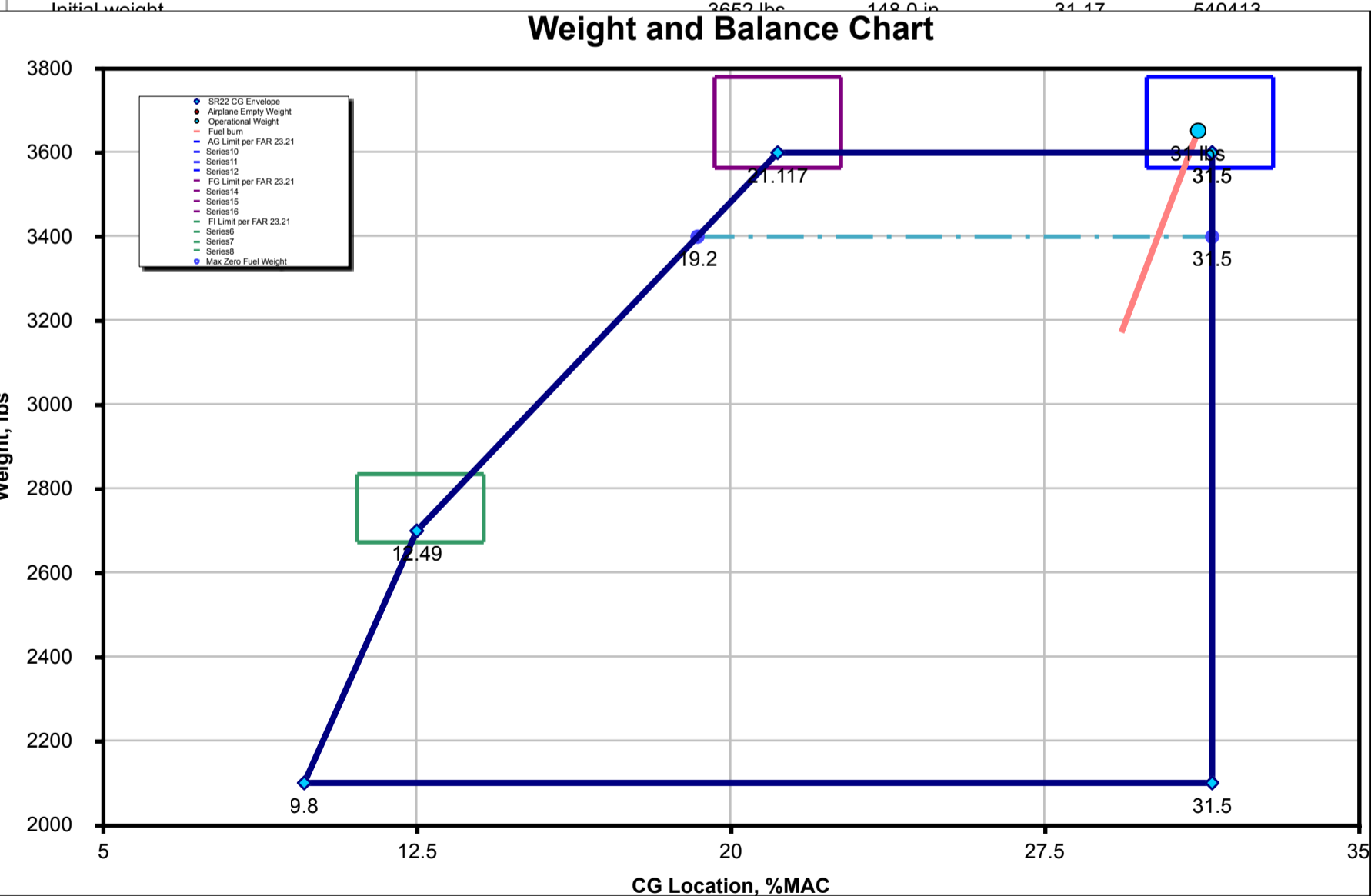
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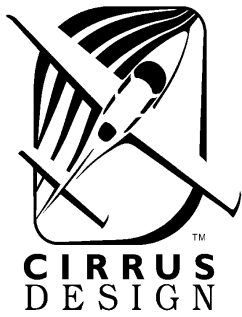
MISSION SPECIFIC CREW AND EQUIPMENT

	Weight	FS	Moment	Notes
Empty Wgt w/unusable fuel	2412 lbs	141.2 in	340529 in·lbs	Based on results from the "General" page.
Fuel quantity in gallons	80.0 gal			Entered amount of fuel is automatically converted to lbs.
Fuel quantity in lbs	480 lbs	153.8 in	73800 in·lbs	
Ice protection fluid qty in gals (FIKI)	8.0 gal			Entered amount of TKS is automatically converted to lbs.
Ice protection fluid in lbs (FIKI)	73 lbs	148.3 in	10826 in·lbs	
Oxygen	6.4 lbs	273.5 in	1750 in·lbs	Add 6.4lbs if Oxygen is present, weight of tank is already included in empty weight.
Front seat, Left (Pilot)	220 lbs	143.5 in	31570 in·lbs	Nominal is 143.5 in.
Front seat, Right (FTE)	0 lbs	143.5 in	0 in·lbs	Nominal is 143.5 in.
Floor Ballast	0 lbs	124.0 in	0 in·lbs	
Ballast in front Right seat	225 lbs	146.0 in	32850 in·lbs	<input type="checkbox"/> Full FWD position <input checked="" type="checkbox"/> Full AFT position
Survival Kit (17.5 lbs typical)	0 lbs	143.5 in	0 in·lbs	<input checked="" type="checkbox"/> in FWD seat <input type="checkbox"/> in AFT seat
Weight Box, front Right seat	0 lbs	143.5 in	0 in·lbs	
Aft Left seat (24 lbs)	0 lbs	180.0 in	0 in·lbs	Nominal FS is 180.0 in.
Aft Right seat (24 lbs)	0 lbs	180.0 in	0 in·lbs	Nominal FS is 180.0 in.
Rear bench seat (13.2 lbs)	0 lbs	184.0 in	0 in·lbs	Nominal FS is 184.0 in.
Rear split backs (16.5 lbs)	0 lbs	184.0 in	0 in·lbs	Nominal FS is 184.0 in.
FWD baggage area (box 18 lbs)	18 lbs	202.0 in	3636 in·lbs	
FWD baggage area (ballast)	100 lbs	202.0 in	20200 in·lbs	
AFT baggage area (box 18 lbs)	18 lbs	214.0 in	3852 in·lbs	
AFT baggage area (ballast)	100 lbs	214.0 in	21400 in·lbs	
TOTALS	3652 lbs		540413 in·lbs	

MFG	MFG/SUP	QA/Pilot
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Operational Weight	3652 lbs		
CG-location	148.0 in	or	31.17 %MAC





3600# SR22

WEIGHT AND BALANCE SHEET

CG ENVELOPE DATA

NOTE
This sheet is for ENG only.

SR22 Standard CG Envelope Data

	%MAC	Weight	Arm	d from 0.25c	Moment
Aft Gross	31.5	3600	148.1	3.1	11251.8
Aft Minimum Weight	31.5	2100	148.1	3.1	6563.6
Forward Minimum Weight	9.8	2100	137.8	-7.2	-15173.3
	9.8	2100	137.8	-7.2	-15173.3
	12.49	2700	139.1	-5.9	-16044.1
	21.12	3600	143.2	-1.8	-6577.9
	31.5	3600	148.1	3.1	11251.8

password:	ProductAssuranc			