

INVOICE # \_\_\_\_\_



CURRENT WX (REQUIRED)		PILOT WORKSHEET
ATIS (REQUIRED)	Information:	TAF FOR PERIOD OF FLIGHT (REQUIRED)
WIND DIRECTION	—	Z501KT P6SM FM220
WIND SPEED + GUST	Calm	
VISIBILITY	20	
CEILING	—	
TEMPERATURE	-07	
DEWPOINT	-11	
ALTIMETER	2968	

Please Print Clearly		AIRCRAFT DISPATCH	
PILOT / STUDENT JP Gortz th	AIRCRAFT ID N2461N		
PASSENGER 1 / INSTRUCTOR Pat	DATE 2-27	SCHEDULED TIME 6:30	
PASSENGER 2 - mandatory weight & balance	<input type="checkbox"/> STAGE CHECK <input type="checkbox"/> STUDENT SOLO		
PASSENGER 3 - mandatory weight & balance	INSTRUCTOR ENDORSEMENT		
<input type="checkbox"/> FLIGHT TRAINING <input type="checkbox"/> PLEASURE	<input type="checkbox"/> LOCAL - NORTH <input type="checkbox"/> LOCAL - SOUTH		

WEIGHT AND BALANCE (REQUIRED)			
	WEIGHT	ARM	MOMENT
EMPTY WEIGHT	1686.5	40.22	67,833
FUEL	27 = 162	48	7776
FRONT SEATS	325	37	12025
BACK SEATS	—	—	
BAGGAGE	—	—	
TOTALS	2173.5	40.3	87634

CROSS COUNTRY		<input type="checkbox"/> FAA FILED	<input type="checkbox"/> OVERNIGHT
<input type="checkbox"/> VFR	DESTINATION	YOUR CONTACT NUMBER	
<input type="checkbox"/> IFR			
ROUTE OF FLIGHT		REMARKS	

OTHER CHARGES / CREDITS	
<input type="checkbox"/> HEADSET RENTAL - \$10	INSTRUCTOR GROUND TIME
<input type="checkbox"/> HEADSET DEMO - \$30	
<input type="checkbox"/> CUSHION RENTAL - \$10	
<input type="checkbox"/> CHARTS (SPECIFY)	
<input type="checkbox"/> MCAIR CHECKLIST - \$5	
<input type="checkbox"/> MCAIR EMPLOYEE	
<input type="checkbox"/> AIRCRAFT OWNER	

EXPECTED AIRCRAFT PERFORMANCE (REQUIRED)	
PRESSURE ALTITUDE	/
DENSITY ALTITUDE	/
TAKE OFF DISTANCE NORMAL / 50' OBSTACLE	/
MAX. RATE OF CLIMB	
LANDING DISTANCE NORMAL / 50' OBSTACLE	/
CROSSWIND COMPONENT	

PAYMENT METHOD		* Payment Is Due At The Time Of Sale *
	<input type="checkbox"/> Debit My Fur Debit My Funds on Account / Financial Aid	
	<input type="checkbox"/> After Hours Flight Only - Charge My Credit Card On File	
	<input type="checkbox"/> I'll Pay with Cash, Check, or Credit Card	

UTILITY CAT. (REAR SEAT REMOVED)

Tdata, Inc.

Tail #: **N2461N**  
 Serial #: **10043**  
 Make: **Cessna**  
 Model: **172S**  
 TCDS #: **3A12**  
 U.L.: **815.30**  
 E.W.: **1742.70**  
 E.W.C.G.: **41.59**

**WEIGHT & BALANCE REVISION**

Owner (s): **McAir Aviation**  
 Address: **Broomfield CO 80021**

Date: **2/13/2017**  
 W.O.#:  
 Prev. W & B on: **04/28/06**  
 Max. Weight: **2558.00**  
 FLT. C.G. **FWD** **AFT**  
 RANGE: **35** **47.3**  
 MOMENT: **72471.75**

IF MAX. WT. INCREASE (+ lbs.):  
 IF MAX. WT. DECREASE (+ lbs.):  
 MAXIMUM WEIGHT: **2558.00**

NEW USEFUL LOAD: **871.50** FALSE  
 NEW EMPTY WEIGHT: **1686.50**  
 NEW EMPTY WEIGHT C.G.: **40.22**  
 NEW MOMENT: **67833.19**

ITEMS REMOVED					ITEMS INSTALLED				
	SERIAL NUMBER	WEIGHT (- LB)	ARM* (+ -)	MOMENT (IN-LBS)		SERIAL NUMBER	WEIGHT (+ LB)	ARM* (+ -)	MOMENT (IN-LBS)
Rear Seat	n/a	-51.00	82.00	-4182.00					
Rear Harnesses	n/a	-5.20	87.80	-456.56					
<b>TOTAL REMOVED EQUIPMENT</b>					<b>TOTAL INSTALLED EQUIPMENT</b>				
		<b>-56.20</b>	<b>82.54</b>	<b>-4638.56</b>					

Prepared by: **Calvin Davis**  
 Signature: \_\_\_\_\_

Approved by: **Calvin Davis**  
 Signature: \_\_\_\_\_  
 Date: **10/9/2015**

Notes:  
 In this configuration, the aircraft may be operated in the Utility Category weight and balance envelope. Double check weight and balance with current payload to determine aircraft category before flight.

## DISPATCH SHEET

Empty Weight	1686.5	40.22	67833.19
Fuel	162	48.00	7776
Front Seats	325	37	12025
Totals	2173.5	40.3	87634.19

87.63419

## DEPARTURE (POSTMORTEM WEIGHTS)

Empty Weight	1686.5	40.22	67833.19
Fuel	162	48.00	7776
Front Seats	354	37	13098
Totals	2202.5	40.3	88707.19

88.70719

## ACCIDENT (POSTMORTEM WEIGHTS)

Empty Weight	1686.5	40.22	67833.19
Fuel	129	48.00	6192
Front Seats	354	37	13098
Totals	2169.5	40.2	87123.19

87.12319

## **CENTER OF GRAVITY LIMITS**

### **NORMAL CATEGORY**

Center Of Gravity Range:

Forward: 35.0 inches aft of datum at 1950 pounds or less, with straight line variation to 41.0 inches aft of datum at 2550 pounds.

Aft: 47.3 inches aft of datum at all weights.

Reference Datum: Lower portion of front face of firewall.

### **UTILITY CATEGORY**

Center of Gravity Range:

Forward: 35.0 inches aft of datum at 1950 pounds or less, with straight line variation to 37.5 inches aft of datum at 2200 pounds.

Aft: 40.5 inches aft of datum at all weights.

Reference Datum: Lower portion of front face of firewall.

### CENTER OF GRAVITY LIMITS

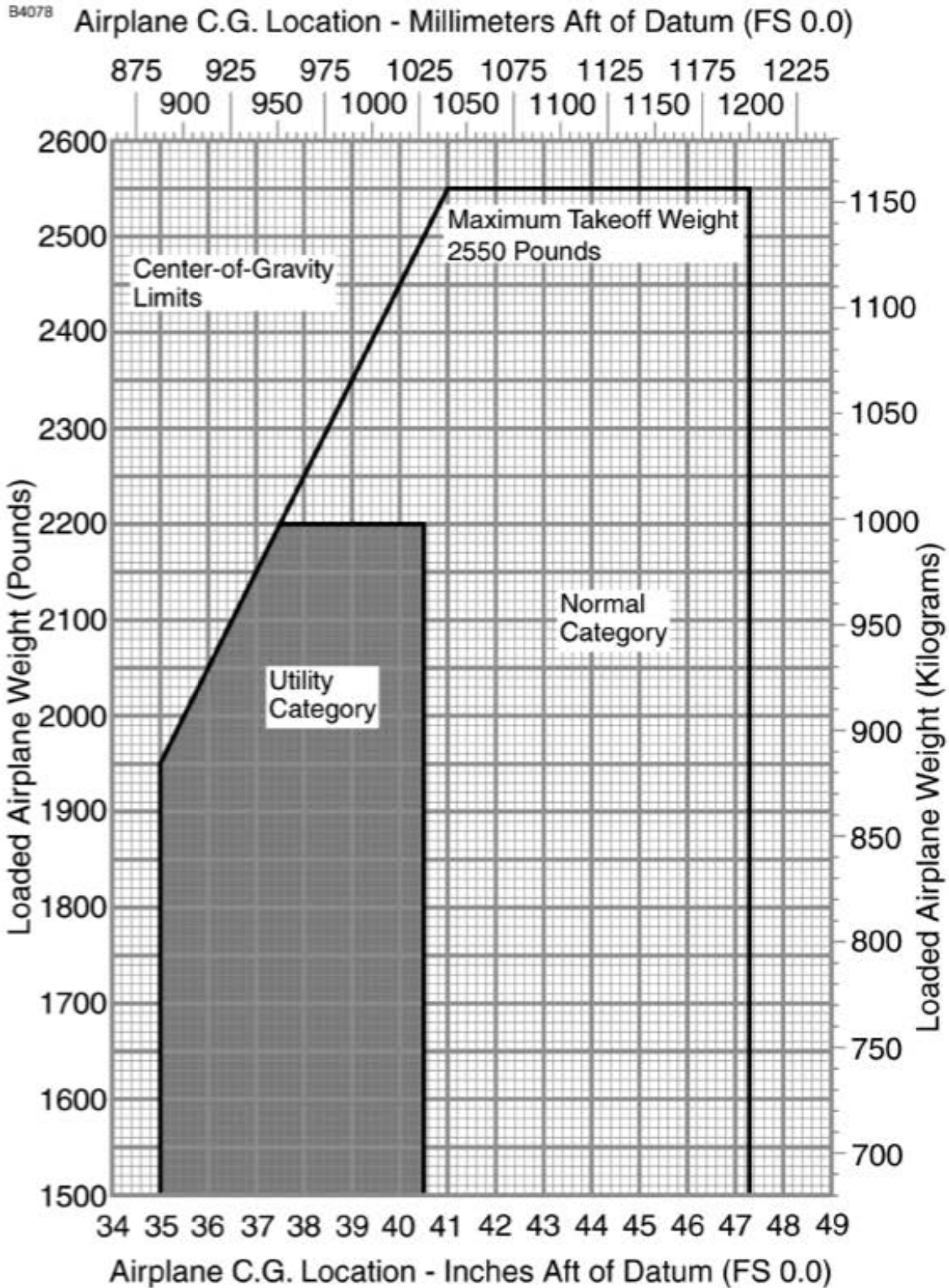


Figure 6-8