

N5541U PREFLIGHT ACTION FAR 91.103

Alt. Setting _____ OAT _____ *F/ _____ *C Pressure Alt. _____
 Density Alt. _____ Current Winds: _____ at _____ G _____
 Runway in use: _____ Headwind Comp _____ X-wind Comp _____
 Takeoff: Ground Roll Dist. _____ 50 ft OBST Clnc Dist _____
 Rate of Climb _____ 50ft OBST Clnc Distance LANDING _____
 Landing: Ground Roll Dist. _____ NM Climb Dist. _____ NM for Descent _____
 Fuel on Board (gal.) _____ 50 max 48 usable _____ Fuel Burn Per hour _____
 Fuel Required (gal.) _____ Fuel Time on Board _____

V-SPEEDS (MPH)

TAKEOFF	LANDING	LIMITATIONS
Vr <u>52</u>	Turb Air Pen <u>112</u>	Vfe <u>100</u> (10/25/40)
Vx <u>68</u>	Vso <u>48</u>	Vno <u>122</u>
Vy <u>77</u>	Vs1 <u>56</u>	Vne <u>149</u>
VI/d <u>70</u>	Go Around <u>68-77</u>	Va <u>112</u>
Cruise Climb <u>77+</u>	Max X-WIND <u>17</u>	

WEIGHT AND BALANCE

ITEM	DEPARTURE			ARRIVAL		
	WEIGHT X	ARM =	MOMENT	WEIGHT X	ARM =	MOMENT
Empty Acft	<u>1323.65</u>	<u>85.03</u>	<u>112594.75</u>			
Oil 4-8 quarts (7.5 lbs/gal.)		<u>32.5</u>		<u>32.5</u>		
Front Seats		<u>85.5</u>		<u>85.5</u>		
Aft Seats		<u>117</u>		<u>117</u>		
Baggage		<u>133.3</u>		<u>133.3</u>		
Sub-total						
Fuel		<u>95</u>		<u>95</u>		
Totals						
Max T/O Wt	<u>2150</u>					

<u>CG Limits</u>	<u>2150</u>	<u>1975</u>	<u>1650</u>	<u>1200</u>
Fore (in)	<u>88.4</u>	<u>85.9</u>	<u>84</u>	<u>84</u>
AFT (in)	<u>95.9</u>	<u>95.9</u>	<u>95.9</u>	<u>95.9</u>
Datum				

ATIS Info

ATIS INFO _____ Airport _____ TIME _____ WIND _____/_____
 VIS _____ CLOUDS _____ @ _____ @ _____ @ _____
 TEMP DW/PT _____/_____
 REMARKS/ADDITIONAL INFO: _____

Personal Limitations:

Total Steady wind _____
 Gust Factor _____
 X-wind component _____
 Ceilings and Vis. _____

N5541U PREFLIGHT ACTION FAR 91.103

Alt. Setting _____ OAT _____ *F/ _____ *C Pressure Alt. _____
 Density Alt. _____ Current Winds: _____ at _____ G _____
 Runway in use: _____ Headwind Comp _____ X-wind Comp _____
 Takeoff: Ground Roll Dist. _____ 50 ft OBST Clnc Dist _____
 Rate of Climb _____ 50ft OBST Clnc Distance LANDING _____
 Landing: Ground Roll Dist. _____ NM Climb Dist. _____ NM for Descent _____
 Fuel on Board (gal.) _____ 50 max 48 usable _____ Fuel Burn Per hour _____
 Fuel Required (gal.) _____ Fuel Time on Board _____

V-SPEEDS (MPH)

TAKEOFF	LANDING	LIMITATIONS
Vr <u>52</u>	Turb Air Pen <u>112</u>	Vfe <u>100</u> (10/25/40)
Vx <u>68</u>	Vso <u>48</u>	Vno <u>122</u>
Vy <u>77</u>	Vs1 <u>56</u>	Vne <u>149</u>
VI/d <u>70</u>	Go Around <u>68-77</u>	Va <u>112</u>
Cruise Climb <u>77+</u>	Max X-WIND <u>17</u>	

WEIGHT AND BALANCE

ITEM	DEPARTURE			ARRIVAL		
	WEIGHT X	ARM =	MOMENT	WEIGHT X	ARM =	MOMENT
Empty Acft	<u>1323.65</u>	<u>85.03</u>	<u>112594.75</u>			
Oil 4-8 quarts (7.5 lbs/gal.)		<u>32.5</u>		<u>32.5</u>		
Front Seats		<u>85.5</u>		<u>85.5</u>		
Aft Seats		<u>117</u>		<u>117</u>		
Baggage		<u>133.3</u>		<u>133.3</u>		
Sub-total						
Fuel		<u>95</u>		<u>95</u>		
Totals						
Max T/O Wt	<u>2150</u>					

<u>CG Limits</u>	<u>2150</u>	<u>1975</u>	<u>1650</u>	<u>1200</u>
Fore (in)	<u>88.4</u>	<u>85.9</u>	<u>84</u>	<u>84</u>
AFT (in)	<u>95.9</u>	<u>95.9</u>	<u>95.9</u>	<u>95.9</u>
Datum				

ATIS Info

ATIS INFO _____ Airport _____ TIME _____ WIND _____/_____
 VIS _____ CLOUDS _____ @ _____ @ _____ @ _____
 TEMP DW/PT _____/_____
 REMARKS/ADDITIONAL INFO: _____

Personal Limitations:

Total Steady wind _____
 Gust Factor _____
 X-wind component _____
 Ceilings and Vis. _____