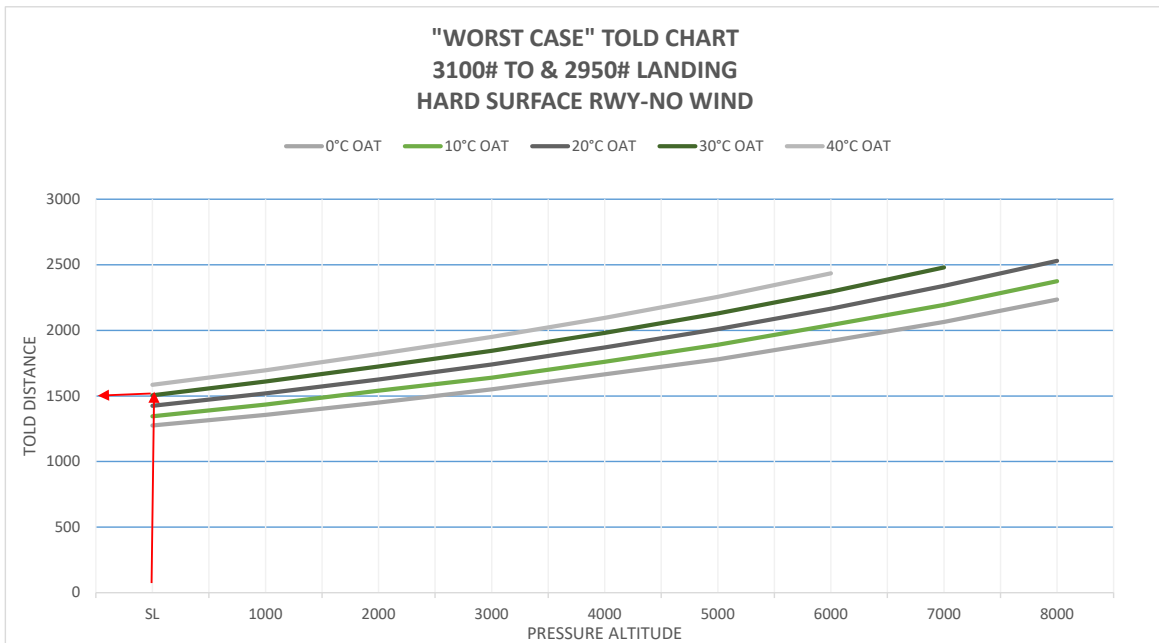


"WORST CASE" (MOST CONSERVATIVE) TOLD MATRIX AND CHART FOR CESSNA CESSNA 182T NAV 3  
 VALUES FROM CESNA 182T INFORMATION MANUAL (ADD SHORT FIELD LANDING AND SHORT FIELD TO GROUND ROLLS)  
 THESE VALUES DO NOT INCLUDE 50' OBSTACLES AND ARE PRIMARILY USED FOR PURPOSES OF 70-1  
 THIS IS AN UNOFFICIAL GUIDE. PLEASE REFER TO CESSNA'S C182T NAV 3 POH FOR OFFICIAL NUMBERS

3100# TAKEOFF WEIGHT GROUND ROLL+ 2950# LANDING WEIGHT GROUND ROLL=TOLD DISTANCE

PA	0°C OAT	10°C OAT	20°C OAT	30°C OAT	40°C OAT
SL	1275	1345	1425	1505	1585
1000	1355	1435	1520	1610	1695
2000	1450	1540	1625	1725	1820
3000	1550	1640	1740	1845	1950
4000	1665	1760	1870	1980	2095
5000	1780	1890	2010	2130	2255
6000	1920	2040	2165	2295	2435
7000	2065	2195	2340	2480	
8000	2235	2375	2530		



NOTE THE THE TOLD CALCULATION STARTS TO FAIL AT 7000' PA AND 40°C OAT DUE TO LOW TAKE OFF CLIMB RATE

TO CALCULATE PRESSURE ALTITUDE (PA)

PA=((29.92-ALTIMETER)\*1000)+FIELD ELEVATION  
 FOR EXAMPLE:  
 KLVK WITH CURRENT ALTIMETER OF 30.24, FIELD ELEVATION IS 400  
 PA=((29.92-30.24)\*1000+400)=-320+400=80. THEREFORE SL IS CLOSE ENOUGH.

TO DETERMINE TOLD DISTANCE

IF OAT IS 30°C, THEN FOLLOW CHART UP FROM SL PA TO THE 30° C LINE AND READ TOLD DISTANCE  
 IN THIS CASE, IT IS 1500'

**CAUTION: THE TOLD DISTANCE MAY BE LESS THAN SHORT FIELD TAKE OFF OVER 50'!  
 THIS CHART IS NO SUBSTITUTE FOR PROPER PRE-FLIGHT PLANNING!**

TO CONVERT C° TO F° F=(C\*1.8)+32

C°	F°
0	32
10	50
20	68
30	86
40	104