

FLIGHT LOG

1. Make sure you have a current sectional, look in front for expiration date
2. See if you can make a straight line first, airport to airport, look at MSA and obstacles
3. Draw line on chart with a pencil and plotter
4. Enter legs in flight log
5. Find a good cruise altitude, look at MSA (min sect alt), Odd and Even altitude based on MC
6. Get winds aloft and temperature at altitude from 1800wxbrief.com or call briefer by phone at +1(800) 992 7433
7. Fill First Leg section from Climb distance and fuel from POH. Use those values to fill distance, ETE and fuel used of first leg of flight log
8. TAS of level legs of flight log (real speed across the airmass) from POH cruise performance. Check temperature to see if below or above standard
9. TC true course, measure it with plotter
10. Var (difference between magnetic and true north) dotted magenta line (east is least)
11. MC is TC corrected for variation
12. WCA wind correction angle (wiz wheel) wind velocity mark is pencil mark
13. MH is your MC corrected for WCA
14. GS is obtained from your wiz wheel computation
15. Leg distance measure in NM with plotter
16. ETE is computed from wiz wheel. Pointer on GS, look at distance on the outside, read time on the inside
17. Gph gallon per hour from cruise performance in POH. Use wiz wheel, set pointer to GPH, look at your ETE on the inside and read fuel used on the outside
18. Fuel remaining, subtract from your starting amount
19. Total mileage from all legs
20. Total time enroute
21. Total fuel used
22. Fuel remaining in gals and time (use wiz wheel for time)
23. Draw checkpoints on your sectional, town, lakes and highways are great
24. List the checkpoints name in WPT section of flight log
25. Write on sectional, mileage on right side of line, leg dist over remaining miles to destination
26. Compute take off and ldg distances obtained from POH for altitude and temperature
27. Complete airports and frequencies data section
28. Fill in Flight Plan and file with FSS
29. Draw RWY layout and traffic pattern for your take off and landing airport