

```

RT";
2420 IFL(B)=1THENPRINT@769,"LANDED";
2430 T6=INT(X(B)/10)+30:IFT6<30THENT6=30
2440 IFT6>125THENT6=125
2450 T7=INT(Y(B)/20):T7=45-T7:IFT7<1THENT7=1
2460 IFT7>40THENT7=40
2470 FORD=1T07
2480 FORN=1T050
2490 SET(T6,T7):NEXTN
2500 FORN=1T050
2510 RESET(T6,T7):NEXTN
2520 NEXT0
2530 IFL(B)=1THENPRINT@769,"";
2540 B=B+1
2550 IFB<P1+1THEN2410
2560 IFL(1)=1ANDL(2)=1ANDL(3)=1THEN2660

```

2570-2640 Adjust cloudbase heights and thermal strengths depending on the time of day.

```

2570 IFA5<1THENA5=A5+.1
2580 IFF8=0THENA4=A4+.1
2590 IFF8=1THENA4=A4-.2
2600 IFA4=>1THENF8=1
2610 IFA4<=.6THENA4=.1
2620 IFL(1)=0THENB=1
2630 IFL(1)=1THENB=2
2640 IFL(1)=1ANDL(2)=1THENB=3

```

2650 Test to see if randomiser wants to insert an unpredictable change in weather conditions - if so update weather definition variables.

```

2650 IFRND(8)<=7THEN100ELSEA1=RND(3):GOTO80
2660 B=1

```

2670 Calculate finish times.

```

2670 T1=W(B)-CINT(W(B)):T1=CINT(T1*60)/100:W(B)=CINT(W(B))+T1:B=B+1
2680 IFB<4THEN2670ELSEB=1

```

2690 Print results

```

2690 CLS:PRINT@76,CHR$(23);"R E S U L T S":PRINT
2700 IFW(B)=0THENZ780ELSEPRINTB$(B);" TOOK":CINT(W(B));"/";(W(B)-CINT(W(B)))*100;"(HRS/MIN)":B=B+1
2710 IFB<4THEN2700

```

2730-2770 Is another game required?

```

2730 PRINT:PRINT"ANOTHER GAME? (Y OR N)"
2740 I$=INKEY$
2750 IFI$="Y"THENRUN
2760 IFI$=""THENZ740
2770 END
2780 IFB>P1THENB=B+1:GOTO2710
2790 PRINTB$(B);" DID NOT FINISH TASK":B=B+1:GOTO2710

```

2800-2850 Start line S/R.

```

2800 IFX(B)>=200THEN2840
2810 IFY(B)>=200THEN2840
2820 IFH(B)>3281THEN2850
2830 R(B)=0:PRINT@20,"XXXX - G O O D S T A R T - XXXX";:RET
URN

```

```

2840 PRINT@20,"NEGATIVE START - OUT OF POSITION";:RETURN
2850 PRINT@20,"NEGATIVE START - TOO HIGH";:RETURN

```

2860-2940 Turnpoint S/R.

```

2860 IFM(B)=1THEN2910:"TURN S/R
2870 IFY(B)<U2*10THEN2900
2880 IFX(B)<((U1*10)-20)ORX(B)<((U1*10)+20)THEN2900
2890 WZ(B)=1:PRINT@20,"GOOD TURN AT FIRST TURNPOINT";:RETURN
2900 PRINT@6,"NEGATIVE CONTROL AT FIRST TURN - OUT OF POSITION";:RETURN

```

```

2910 IFY(B)>U4*10THEN2940
2920 IFX(B)<((U3*10)-20)ORX(B)<((U3*10)+20)THEN2940
2930 WZ(B)=2:PRINT@20,"GOOD TURN AT SECOND TURNPOINT";:RETURN
2940 PRINT@6,"NEGATIVE CONTROL AT SECOND TURN - OUT OF POSITION";:RETURN

```

2950-3020 Finish line S/R.

```

2950 IFX(B)>=200THEN3000
2960 IFY(B)>=200THEN3000
2970 IFH(B)>3281THEN3010
2980 IFM(B)<2THEN3020
2990 W(B)=R(B):L(B)=1:Q3=0:CLS:PRINTCHR$(23):PRINT@448,"";B$(B);", GOOD FINISH
WELL DONE";:FORN=1T02600:NEXT:GOTO2210
3000 PRINT@20,"NEGATIVE FINISH - OUT OF POSITION";:RETURN
3010 PRINT@20,"NEGATIVE FINISH - TOO HIGH";:RETURN
3020 PRINT@0,"NEGATIVE FINISH - TURNPOINTS HAVE NOT BEEN ROUNDED CORRECTLY";:RETURN
3030 CLS:PRINTCHR$(23):PRINT@448,B$(B);" YOU HAVE LANDED SAFELY.
";
3040 FORN=1T02600:NEXT
3050 GOTO2210

```

3060-3300 Map printing S/R.

```

3060 CLS:FORN=28T0127:SET(N,0):SET(N,41):NEXT
3070 FORN=0T041:SET(28,N):SET(29,N):SET(126,N):SET(127,N):NEXT
3080 FORN=5T040 STEP 5:SET(26,N):SET(27,N):NEXT
3090 FORN=40T0120 STEP 10:SET(N,42):SET(N+1,42):NEXT
3100 POKE15562,55:POKE15563,48:POKE15882,52:POKE15883,48:POKE16202,49:POKE16203,48
3110 FORN=16340T016380 STEP 5:POKEN,48:NEXT
3120 N=16339:POKEN,49:POKEN+5,50:POKEN+10,51:POKEN+15,52:POKEN+20,53:POKEN+25,54:POKEN+30,55:POKEN+35,56:POKEN+40,57
3130 PRINT@969,"X-AXIS":POKE16335,94:PRINT@130,"Y-AXIS":POKE15497,92:PRINT@376,"360":PRINT@500,"270 90":PRINT@696,"180":POKE15800,160:POKE15801,190:POKE15802,180:FORN=21T028:SET(115,N):NEXT:FORN=111T0119:SET(N,22):NEXT
3140 PRINT@2,"POSITION":PRINT@66,"DISPLAY":FORN=30T095 STEP 5:SET(N,10):NEXT:FORN=10T040 STEP 3:SET(95,N):NEXT:PRINT@84,"DOTTED LINE INDICATES SUGGESTED TASK AREA":PRINT@160,"WIND DIRECTION -> ->";
3150 FORN=16079T016088:POKEN,160:NEXT
3160 FORN=16143T016152:POKEN,153:NEXT
3170 FORN=16207T016216:POKEN,182:NEXT
3180 T6=INT(U1)+27:IFT6<30THENT6=30
3190 IFT6>125THENT6=125
3200 T7=INT(U2/2):T7=45-T7:IFT7<1THENT7=1
3210 IFT7>40THENT7=40
3220 FORN=1T06:SET(T6+N,T7):NEXT
3230 T7=T7-2:T6=T6+3:FORN=1T03:SET(T6,T7+N):SET(T6+1,T7+N):NEXT
3240 T6=INT(U3)+27:IFT6<30THENT6=30
3250 IFT6>125THENT6=125
3260 T7=INT(U4/2):T7=45-T7:IFT7<1THENT7=1
3270 IFT7>40THENT7=40
3280 FORN=1T06:SET(T6+N,T7):NEXT
3290 T7=T7-2:T6=T6+3:FORN=1T03:SET(T6,T7+N):SET(T6+1,T7+N):NEXT
3300 CZ=0:RETURN
3310 Z3=TH(E8,3)*25:Z3=Z3/E4:Z3=Z3*(H(B)/(A1*2500)):H(B)=H(B)+Z3:GOTO1060

```

3320 Screen white out.

```

3320 Z=0
3330 PRINT@Z,STRING$(64,CHR$(191));
3340 IFZ>512THEN3360
3350 Z=Z+64:GOTO3330
3360 F2=1:GOTO1770
3370 Z=576

```