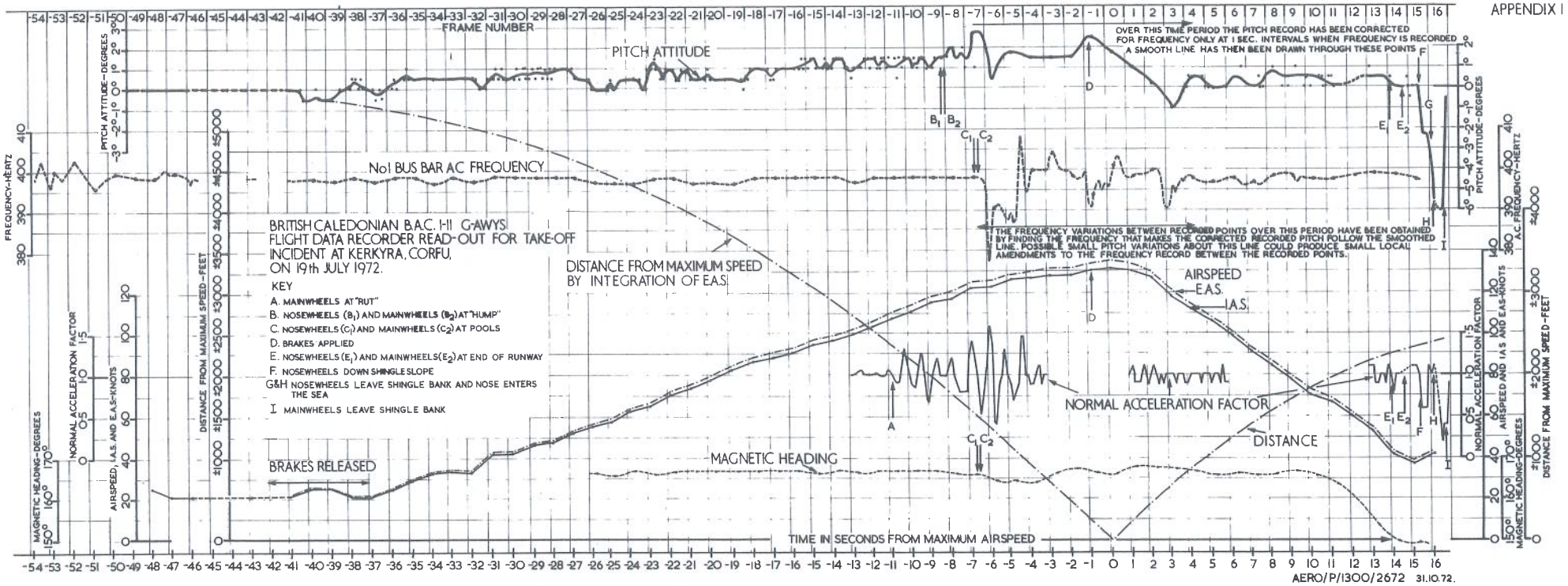
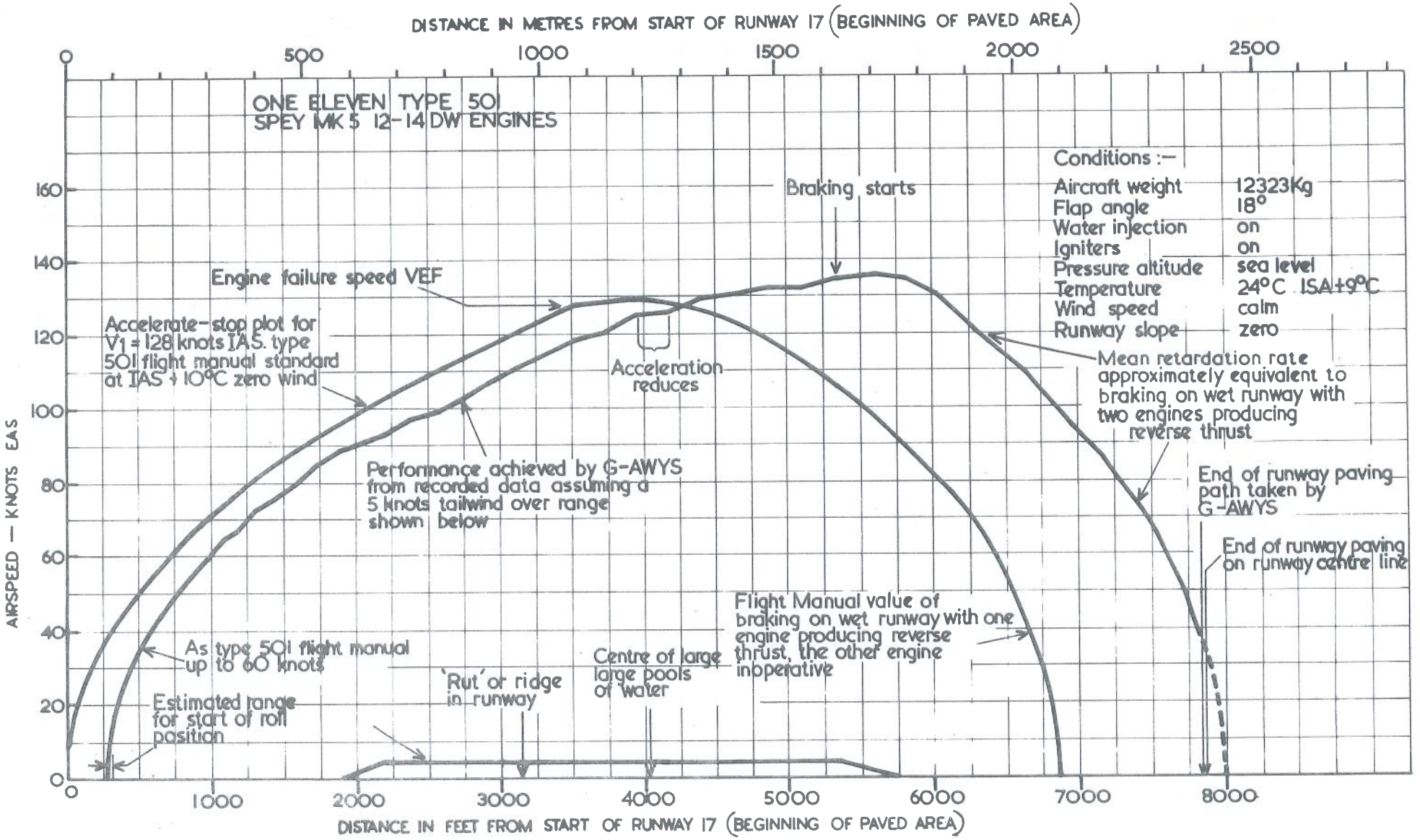
APPENDIX I



AERO/P/1300/2672 31.10.72.


DISTANCE IN METRES FROM START OF RUNWAY 17 (BEGINNING OF PAVED AREA)
0
500
1000
1500
2000
2500
ONE ELEVEN TYPE 501
SPEY MK 5 12-14 DW ENGINES
Conditions :—
Aircraft weight 12323 Kg
Flap angle 18°
Water injection on
Igniters on
Pressure altitude sea level
Temperature 24°C ISA+9°C
Wind speed calm
Runway slope zero
Braking starts
Engine failure speed VEF
Accelerate-stop plot for V1 = 128 knots IAS. type 501 flight manual standard at IAS + 10°C zero wind
Acceleration reduces
Mean retardation rate approximately equivalent to braking on wet runway with two engines producing reverse thrust
Performance achieved by G-AWYS from recorded data assuming a 5 knots tailwind over range shown below
End of runway paving path taken by G-AWYS
End of runway paving on runway centre line
Flight Manual value of braking on wet runway with one engine producing reverse thrust, the other engine inoperative
As type 501 flight manual up to 60 knots
Centre of large large pools of water
'Rut' or ridge in runway
Estimated range for start of roll position
AIRSPEED — KNOTS EAS
160
140
120
100
80
60
40
20
0
0
1000
2000
3000
4000
5000
6000
7000
8000
DISTANCE IN FEET FROM START OF RUNWAY 17 (BEGINNING OF PAVED AREA)