Appendix A. List of persons killed

Flight crew

Captain S J L Key S/O J W Keighley S/O S Ticehurst

Cabin crew

S/Steward F Farey Steward A Lamb Stewardess J K Mowat

Passengers

Captain J Collins F/O C K Ware F/O R E Wilde

Mrs M Abrams Mr P Abrams Mrs Adams Mr F W Adams

Mr A J Alabaster

Mrs H Benjamin Mrs Borgmans

Mr A Borgmans

Dr I M Campbell

Mr M J Cesar

Mr M J Clarizio

Mr E A Coleman

Mrs de Haes

Mr E F de Haes

Miss A de Waele

Mr R G Driver

Mrs D W Everitt

Mr D V Everitt

Mr F P Farmann

Mr Felix

Mr R P Field

Mr S P Frederick

Mr C Gascou

Mr P Glennie-Smith

Dr M Golomb-Fingenbaum

Mr E J Gray

Mr J D Gray

Mrs A F Haerle

Mr H O Halstengaro

Mrs S Hansen

Miss G Hansen

Miss H Hansen

Miss K Hansen

Master P Hansen

Mrs J D Harlowe

Mr A J Harrison

Miss E Hawthorn

Mrs K Hoehn

Mr K W Hoehn

Mr B Husapongasa

Mr G P Jackson

Mr L Jackson

Dr S W Kadleigh

Dr G Kandalla

Dr K Kandalla

Mr G Keogh

Mr P Kilfeather

Mrs M A Kolby

Mr F Kolby

Dr V L Lanza

Mr L M Lohrin

Mr G A Lucy

Mr V K Malik

Miss H McClure

Mr J L Meyers

Mrs A Michiels

Mr E E Michiels

Mr L Miller

Mr M Miller

Mr F M Mooney

Mr W R Murray

Mrs H F Obst

Mr M Obst

Mr C Offie

Mr M W O'Reilly

Mr V O Paseku

Mr G C Poplett

Dr R J Raeside

Mr S Ranger

Mr O Reusch

Mr M Rigby-Jones

Dr J N Ruben

Mrs C Sabini

Mr R Sabini

Lt Cmdr H J Sampson

Mr P M Simon

Dr R L Slinger

Mrs M Smith

Mr W E Smith

Mr C A Smith

Dr E S Stewart

Dr T F Stewart

Dr M Y Stevenson

Mrs R Strang

Mr G Strang

Mr E C Stivers

Mr M J Sweetman

Mr J J Tirou

Mr G L Towne

Mr G Turner

Mrs V P Underhill

Mr C A M van Bavel

Mr J L van Beurden

Mr C van de Put

Mr J Vandevelde

Mrs M van Haeran

Master E van Haeran

Mr H van Meines

Mr H Vergara

Mrs C S Warmoes

Mr P Warmoes

Mr R W Weaver

Mr I Webb

Mr R P Wold

Mrs B J Wynn

Mr J D Wynn

Miss D Wynn

Miss S E Wynn

Mrs M Wynn

Appendix B. Appearances

HM Attorney General (The Rt Hon Sir Peter Rawlinson, QC, MP) Mr Anthony J L Lloyd, QC and Mr Michael Thomas (instructed by the Treasury Solicitor) appeared on behalf of the Attorney General

Mr John Griffiths, QC and Mr T R A Morison (instructed by Mr Michael Lester) appeared on behalf of the British European Airways Corporation

Mr Peter Webster, QC and Mr Anthony Barrowclough (instructed by Messrs Simmons & Simmons) appeared on behalf of Hawker Siddeley Aviation

Mr Bruce Coles (instructed by Mr Alan Smith) appeared on behalf of Smiths Industries

Mr Norman Tapp, QC and Mr Gordon Slynn (instructed by the Treasury Solicitor) appeared on behalf of the Department of Trade and Industry

Mr D Henry (instructed by Messrs Stanleys and Simpson North) appeared as Counsel for the Civil Aviation Authority

Mr Patrick Phillips (instructed by Messrs Evan Davies & Co) appeared as Counsel on behalf of Captain S J L Key (deceased) Captain of the Aircraft

Mr T Scott Baker (instructed by Messrs Evan Davies & Co) appeared as Counsel on behalf of Mr J W Keighley (deceased) Second Officer and Mr S A Ticehurst (deceased) Second Officer

Mr M W T Nott (instructed by Mr Timothy Walker) appeared on behalf of the British Airports Authority.

Mr Anthony Evans, QC and Mr Jonathan Gilman (instructed by Messrs Lovell, White & King) appeared on behalf of certain passengers' representatives

Mr Lee S Kreindler (of the New York Bar) (Messrs Frere Cholmeley & Co London Solicitors) appeared on behalf of certain passengers' representatives

Mr Morris Finer, QC* and Mr Andrew Collender (instructed by Messrs Evan Davies & Co) appeared as Counsel on behalf of the British Airline Pilots Association

Mr Ronald L M Goldman (of Messrs Goldman, Gangloff & Boehme, Beverly Hills, California, USA) appeared as Counsel on behalf of the heirs of the estate of Hilde Benjamin.

^{*} Mr Finer was during the course of the Inquiry appointed to the Bench. Mr Collender thereafter continued to represent BALPA.

Appendix C. List of witnesses

Mr R Ashford CAA, Airworthiness Division

Dr G Bennett CAA, Chief Medical Officer

Mr D G Brinjes BEA, Air Safety Branch

Mr C S Caliendi HSA, Chief Systems Engineer

Mrs A Cass Eye Witness

Mr A E R Broomfield

Mrs F M Castledine Eye Witness

Capt G W Childs BEA Line Captain

Mr G C Chouffot CAA, Director Flight Operations
Mr R H Chowns BEA Principal Noise Engineer
Capt D P Clifton BEA Base Training Captain

Mr J Coleman Eye Witness

Mr A J Cope BEA Chief Design and Development Engineer

AIB, Senior Inspector

Capt J A Corbishley BEA, Flight Manager No 1 Trident Flight

Sqn Ldr S A Cullen RAF Pathologist

Mr J Cunningham HSA, Chief Test Pilot

Mr D Cuthbertson* AIB (deceased), Senior Inspector

Mr D P Davies CAA, Airworthiness Division

Mr R A Davies BEA, Senior Development Engineer

Capt F H Dell BEA, Flight Manager No 4 Trident Flight

Mr D H Dykins HSA, Assistant Chief Aerodynamicist

Capt D Evans BEA, Flight Manager No 3 Trident Flight

Mr R G Feltham* AIB, Senior Inspector

F/O R A Flavell BEA Line Pilot

Capt J C Forshaw CAA, Senior Flight Operations Inspector

Dr M M Gertler Consultant Cardiologist, USA

Mr H K Gordon-Burge BEA, Air Safety Branch

Capt G A C Gray

BEA, Assistant Flight Manager No 2 Trident

Flight

^{*} Statement read

Capt K Hagyard BEA Line Captain

Mr J A Hancock CAA, Operations — Training/Licensing

Capt F B Hazard BEA Line Captain

Mr I Heller Eye Witness

Mr H D Henniker BEA, Principal Development Engineer

(Mechanical Systems)

Capt LF J Holdstock BEA, Flight Manager Training

Mr J G Holton AIB, Senior Inspector

Mr J R D Kenward* BEA, Manager Performance Engineering

Mr B J Lee BEA, Principal Development Engineer

(Electrical Systems)

Mr J H Lett* AIB, Senior Inspector

Capt E W Lowden BEA, Operations Director

F/O W W Macdonald BEA Line Pilot

Capt A R Martin BEA Deputy Flight Manager Training

Gp Capt J F K Mason RAF Pathologist

Mr J R Neill CAA, Director of Flight Safety

AVM P J O'Connor RAF Consultant in Neuropsychiatry

Capt C Owens BEA, General Manager Flight Operations

Mr J G M Pardoe CAA, Director General Safety (Airworthiness)

Capt W C Parke BEA Line Captain

Mr W H Perry CAA, Training and Licensing

Capt E Poole BEA, Flight Development Manager

Dr F S Preston Senior Medical Officer (Air) Air Corporations

Joint Medical Service

Mr B E Roberts BEA, Flight Simulator Instructor

Dr H P Ruffell-Smith Consultant

Mr T C Ryan CAA, Transcription Unit

Dr A J Salmon Family Doctor, Captain Key

Capt R Seed BEA, Flight Manager No 2 Trident Flight

Mr A Sherring CAA, Inspection Surveyor

Dr W Somerville Consultant Cardiologist

F/O J E Spain BEA Line Pilot

Capt G K A Thorne BEA Line Training Captain

Mr P Waller BEA, Assistant Development Engineer (AIDS &

ATE)

^{*} Statement read

Capt L Wallis BEA, Flight Manager No 5 Trident Flight

Mr J L Weston Smith's Industries

Capt D B White BEA Line Captain

F/O K J Whitehead BEA Line Pilot

Mr G C Wilkinson AIB, Senior Inspector

Mr J W Wilson HSA, Chief Operations Engineer

Capt E R Wright BEA Line Captain

Appendix D. Abbreviations

AIB Accidents Investigation Branch (DTI)

A/P autopilot

ARB Air Registration Board

ASI airspeed indicator

ASB Air Safety Branch (BEA)

ATC Air Traffic Control

auw all-up weight

BAA British Airports Authority

BALPA British Airline Pilots Association

BEA British European Airways Corporation

BOAC British Overseas Airways Corporation

CAA Civil Aviation Authority

CAADRP Civil Aviation Authority Data Recording Project

CVR cockpit voice-recorder

CWS central warning system

DFS Directorate of Flight Safety

DTI Department of Trade and Industry

EAS equivalent airspeed ECG electrocardiogram

FDR flight data recorder

F/O First Officer

FSIB Flying Staff Information Bulletin

GMFO General Manager Flight Operations

GMT Greenwich mean time

HSA Hawker Siddeley Aviation

IAS indicated airspeed

ILS instrument landing system

MHz megahertz

NDB non-directional beacon

P1 first pilot
P2 second pilot
P3 third pilot
P4 fourth pilot
QFE barometric pressure at airport level
R/T radio-telephone
S/O Second Officer

SFO Supervisory First Officer V2 safety speed for take-off

VDF very high frequency direction finding

VHF very high frequency

VNA safety speed at noise-abatement

VOR visual omni-range

Appendix E. BEA Operations Manual Instructions on Pilot Incapacity

CREW INCAPACITY IN FLIGHT

These procedures should be followed unless the situation clearly indicates that some deviation is justified.

Captain Incapacitated:

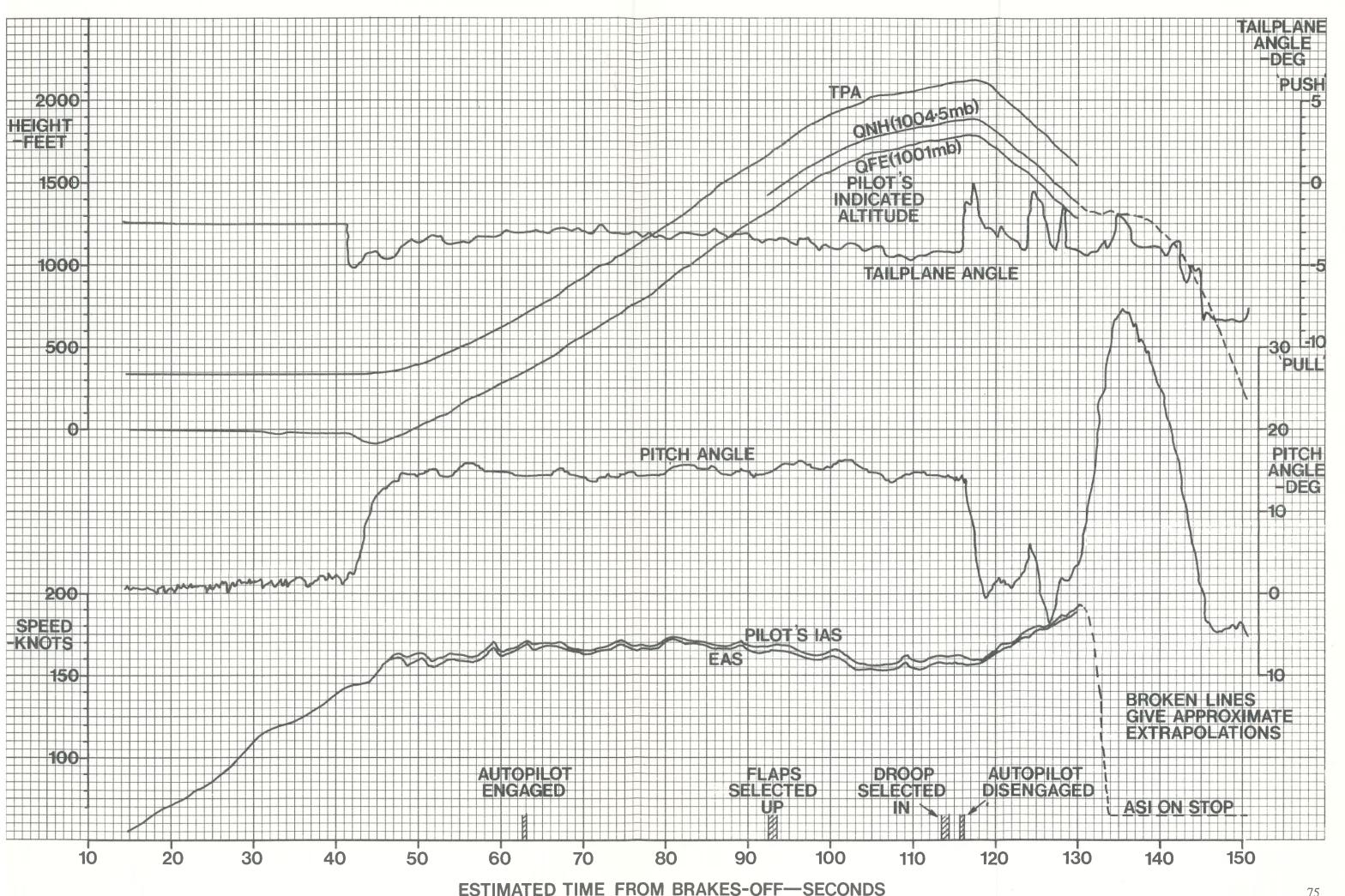
- 1. Captain to be strapped into the P1 seat.
- 2. Command to be assumed by second-in-command and both ATC and the crew notified of this.
- 3. Command function to be exercised from either P2 or P3 seat, depending on the phase of flight.

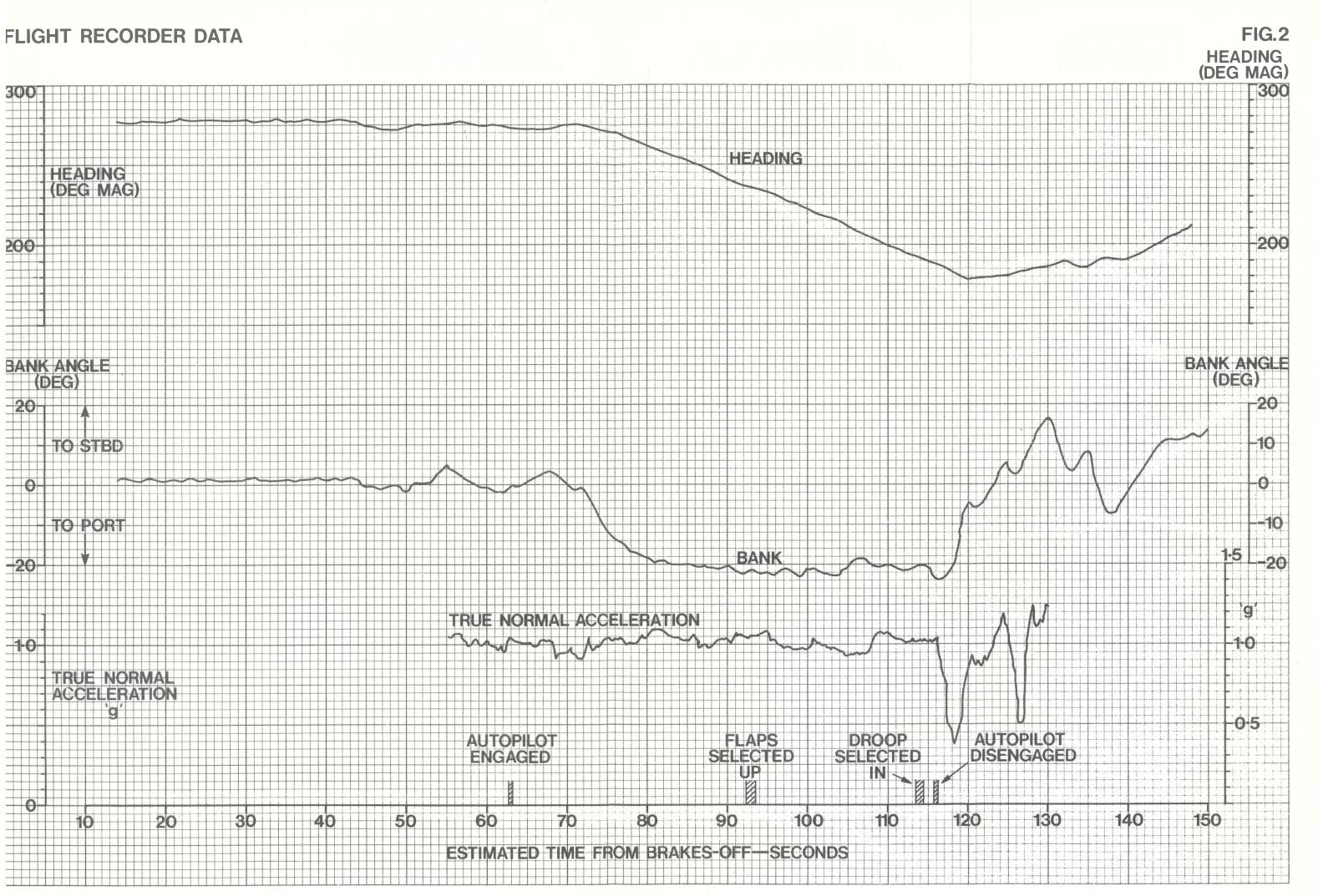
P2 Incapacitated:

- 1. P2 to be strapped into P3 seat.
- 2. Co-pilot duties to be carried out from the P2 seat.
- 3. ATC to be advised of the incapacitation.

P3 Incapacitated:

- 1. P3 to be strapped in P3 seat if on final approach, but, if time permits, to be removed from seat and P2 re-positioned in P3 seat.
- 2. ATC to be advised of the incapacitation.





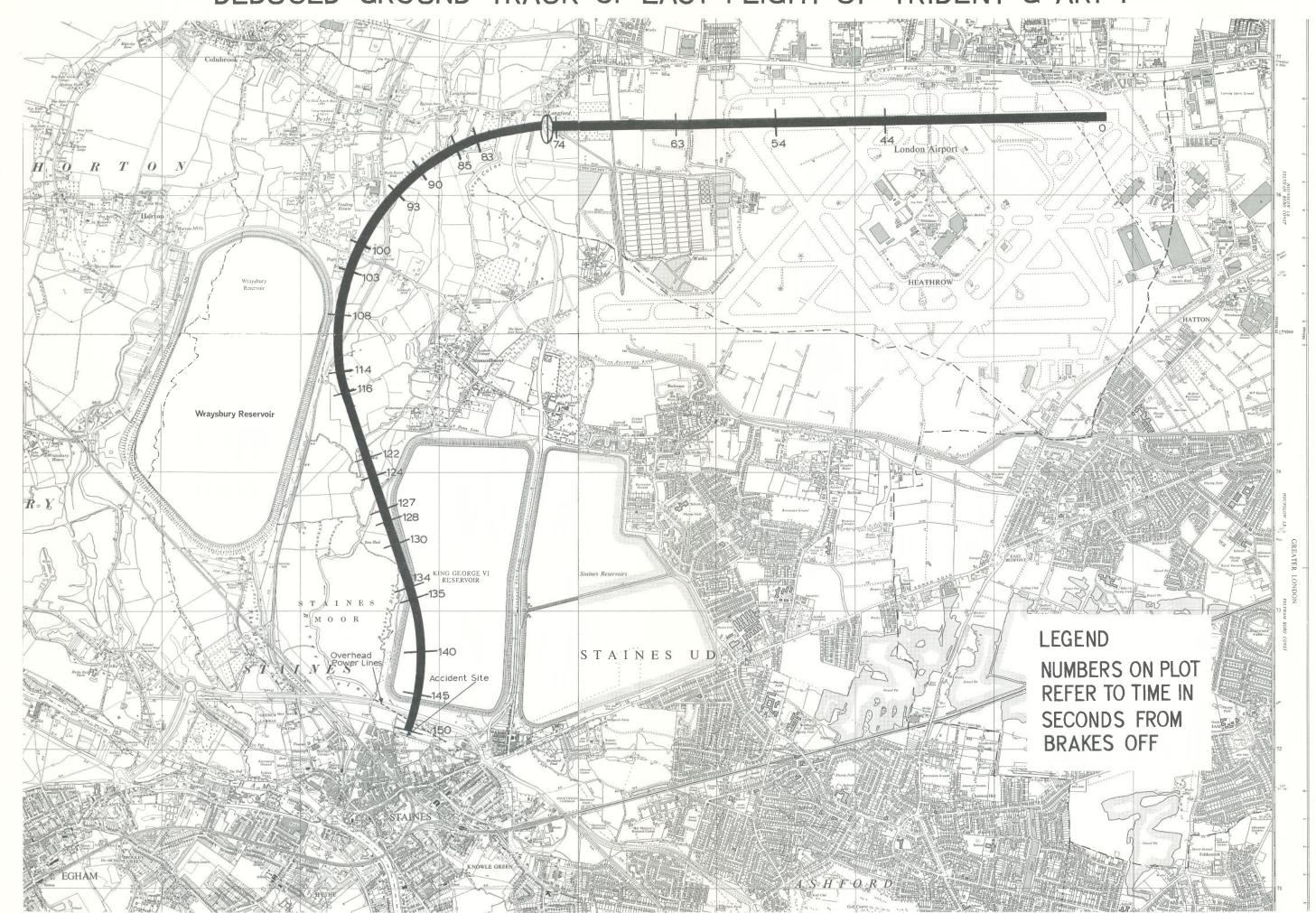
TABULATED CHRONOLOGY OF LAST FLIGHT OF TRIDENT G-ARPI 18 JUNE 1972

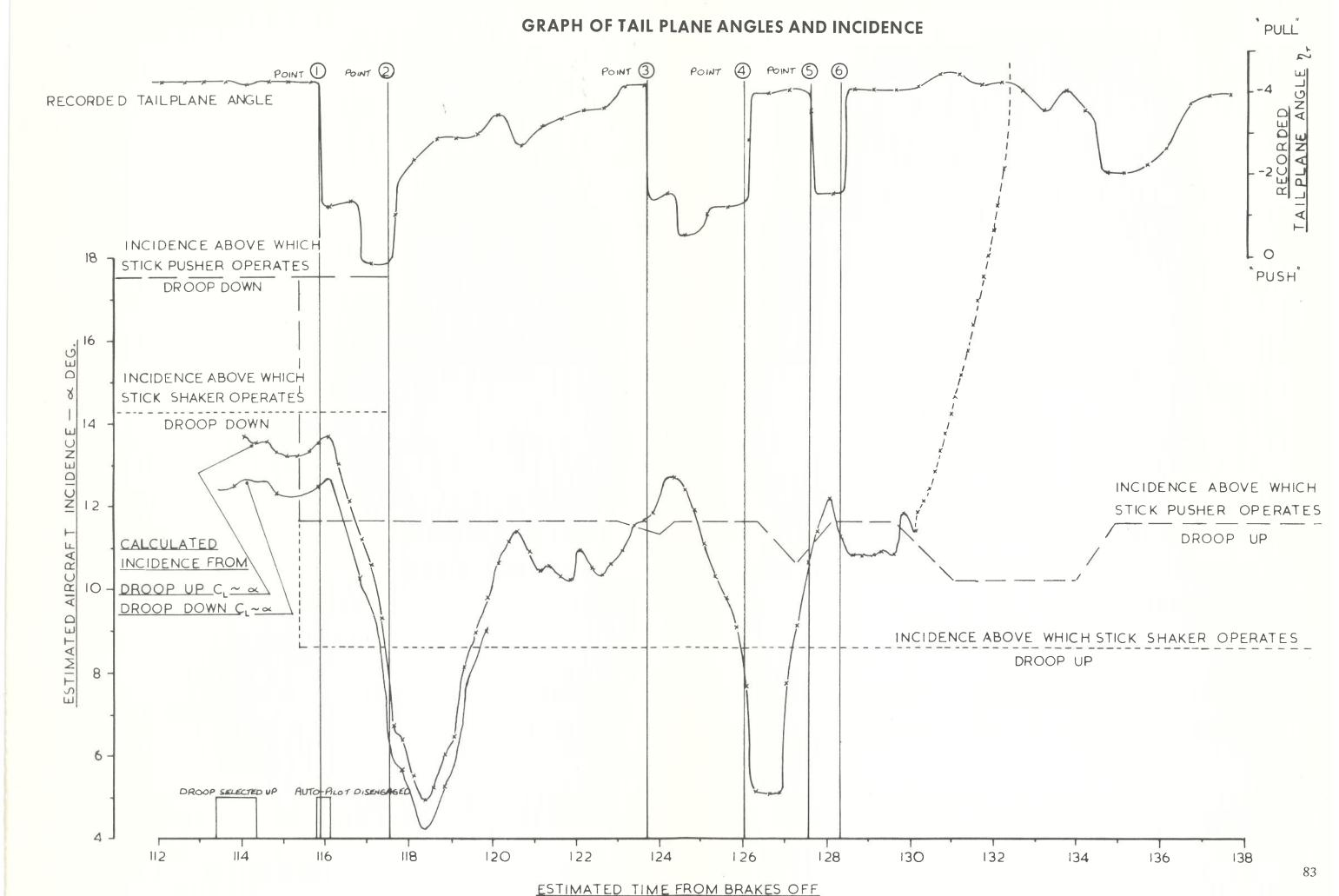
Derived from Flight Recorder and R/T transcription information

Seconds Form start Form s			Time			Pilot's				
Rotation	from start	Events	from start	dT	GMT	alt			Pitch att	
44 Unstick 44 2 1609:14 79 2 145 276 11.6 -0.4 54 10 1609:24 99 163 275 14.4 +2.8 63 Autopilot engagement 63 9 1609:33 355 170 272 14.4 -0.7 74 Start of left turn 74 11 1609:44 690 170 272 14.4 -0.7 83 **Bealine 548 is climbing as cleared 83 9 1609:55 1064 171 252 15.5 -20.0 85 **548 sirborne at 09 contact 128.4 Goodday 85 2 1609:55 1064 171 252 15.5 -20.7 90 **Roger 90 5 1609:60 1239 169 241 14.8 -21.8 93 **Elap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 **Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1 103 **548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement - stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted 1 122 6 1610:32 1637 170 179 0.7 -46 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop	0	Brakes off ¹	0	0	1608:30	0	54 4	277	0.4	-0.7
Second	42	Rotation	42	42	1609:12	2 2	144	277	4.6	-0.7
63	44	Unstick	44	2	1609:14	79 ²	145	276	11.6	-0.4
74 Start of left turn 74 11 1609:44 690 170 272 14.4 -10.5 83 *Bealine 548 is climbing as cleared 83 9 1609:53 989 172 256 15.5 -20.0 85 *548 airborne at 09 contact 128.4 Goodday 85 2 1609:55 1064 171 252 15.5 -20.7 90 *Roger 90 5 1609:60 1239 169 241 14.8 -21.8 93 Flap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.5 103 *\$48 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 **Up to 60 108 5 1610:18 1708 158 203	54		54	10	1609:24	99	163	275	14.4	+2.8
83 *Bealine 548 is climbing as cleared 83 9 1609:53 989 172 256 15.5 -20.0 85 *548 airborne at 09 contact 128.4 Goodday 85 2 1609:55 1064 171 252 15.5 -20.7 90 *Roger 90 5 1609:60 1239 169 241 14.8 -21.8 93 Flap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1 103 *548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191	63	Autopilot engagement	63	9	1609:33	355	170	272	14.4	-0.7
85 * 548 airborne at 09 contact 128.4 Goodday 85 2 1609:55 1064 171 252 15.5 -20.7 90 *Roger 90 5 1609:60 1239 169 241 14.8 -21.8 93 Flap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1 103 *548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement – stick-shake and first stick-push 116 2 1610:24 1772 16	74	Start of left turn	74	11	1609:44	690	170	272	14.4	-10.5
90 *Roger 90 5 1609:60 1239 169 241 14.8 -21.8 93 Flap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1 103 *548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement – stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted 1 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 1 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 3 54 4 185 31.3 + 6.7	83	*Bealine 548 is climbing as cleared	83	9	1609:53	989	172	256	15.5	-20.0
93 Flap selected up (start of noise-abatement) 93 3 1610:03 1339 168 236 15.5 -22.5 100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1 103 *548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement – stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted 1 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 1 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 3 544 185 31.3 +6.7	85	*548 airborne at 09 contact 128.4 Goodday	85	2	1609:55	1064	171	252	15.5	-20.7
100 *Bealine 548 is climbing as cleared passing 1500 100 7 1610:10 1566 165 221 16.2 -22.1	90	* Roger	90	5	1609:60	1239	169	241	14.8	-21.8
103 *548 climb to FL 60 squawk 6615 (flap fully retracted) 103 3 1610:13 1637 160 215 15.8 -23.2 108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement - stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 3 54 185 31.3 +6.7	93	Flap selected up (start of noise-abatement)	93	3	1610:03	1339	168	236	15.5	-22.5
108 *Up to 60 108 5 1610:18 1708 158 203 14.1 -20.7 114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement - stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted 1 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 1 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2	100	*Bealine 548 is climbing as cleared passing 1500	100	7	1610:10	1566	165	221	16.2	-22.1
114 Droop selected up 114 6 1610:24 1772 162 191 14.4 -21.4 116 Autopilot disengagement - stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted ¹ 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push ¹ 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push ¹ 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated ¹ 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 ³ 54 ⁴ 185 31.3 +6.7	103	*548 climb to FL 60 squawk 6615 (flap fully retracted)	103	3	1610:13	1637	160	215	15.8	-23.2
116 Autopilot disengagement – stick-shake and first stick-push 116 2 1610:26 1788 162 188 13.4 -24.3 122 Droop retracted ¹ 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push ¹ 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push ¹ 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated ¹ 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 ³ 54 ⁴ 185 31.3 +6.7	108	*Up to 60	108	5	1610:18	1708	158	203	14.1	-20.7
122 Droop retracted 1 122 6 1610:32 1637 170 179 0.7 -4.6 124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 1 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 3 54 4 185 31.3 + 6.7	114	Droop selected up	114	6	1610:24	1772	162	191	14.4	-21.4
124 Second stick-push 1 124 2 1610:33 1562 177 180 5.6 +3.5 127 Third stick-push 1 127 3 1610:36 1403 182 182 -2.5 +4.6 128 Stick-push 'dump' operated 1 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 3 54 4 185 31.3 + 6.7	116	Autopilot disengagement — stick-shake and first stick-push	116	2	1610:26	1788	162	188	13.4	-24.3
127 Third stick-push ¹ 127 3 1610:36 1403 182 -2.5 +4.6 128 Stick-push 'dump' operated ¹ 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 ³ 54 ⁴ 185 31.3 + 6.7	122	Droop retracted ¹	122	6	1610:32	1637	170	179	0.7	-4.6
128 Stick-push 'dump' operated ¹ 128 1 1610:37 1360 187 184 1.8 9.5 130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 ³ 54 ⁴ 185 31.3 + 6.7	124	Second stick-push ¹	124	2	1610:33	1562	177	180	5.6	+3.5
130 Last reliable IAS and altitude 130 2 1610:39 1276 193 186 3.5 +16.2 134 IAS on lower stop 134 4 1610:43 1200 ³ 54 ⁴ 185 31.3 + 6.7	127	Third stick-push ¹	127	3	1610:36	1403	182	182	2.5	+4.6
134 IAS on lower stop 134 4 1610:43 1200 3 54 4 185 31.3 + 6.7	128	Stick-push 'dump' operated ¹	128	1	1610:37	1360	187	184	1.8	9.5
131 Mild of Market Conf.	130	Last reliable IAS and altitude	130	2	1610:39	1276	193	186	3.5	+16.2
150 Impact 150 16 1611:00 - 54 4 217 -6.0 +14.1	134	IAS on lower stop	134	4	1610:43	1200 ³	54 4	185	31.3	+ 6.7
	150	Impact	150	16	1611:00		54 4	217	-6.0	+14.1

Notes:

- 1. These events deduced from flight recorder data.
- 2. Inaccurate IAS due to aircraft attitude change.
- 3. Estimated altitude.
- 4. Lowest figure that can be recorded.
- 5. Minus indicates left bank. Plus indicates right bank.
- 6. Underlined words indicate timing points.
- * Radio calls.





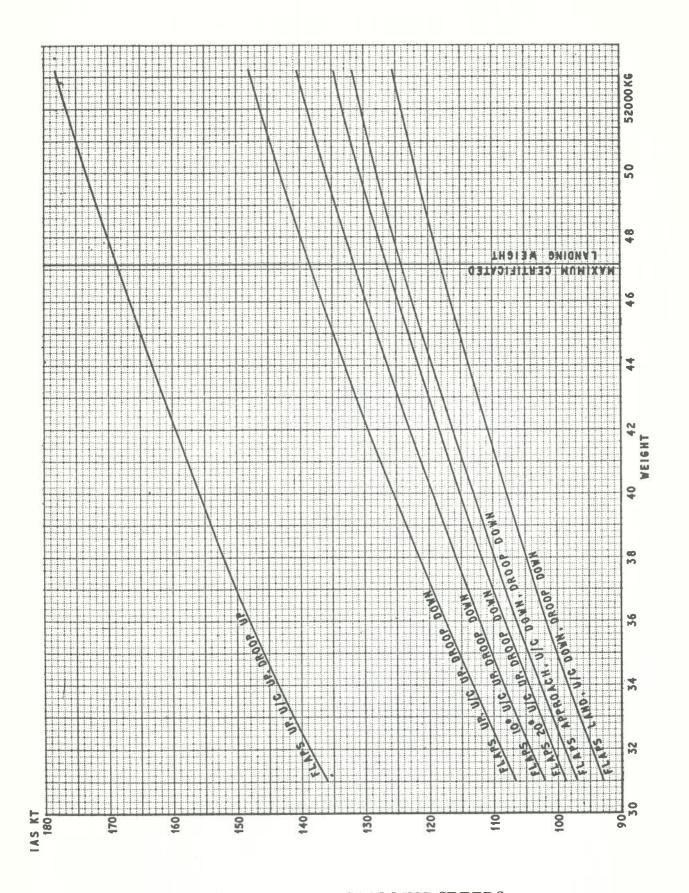


FIG. 6 POWER OFF STALLING SPEEDS