

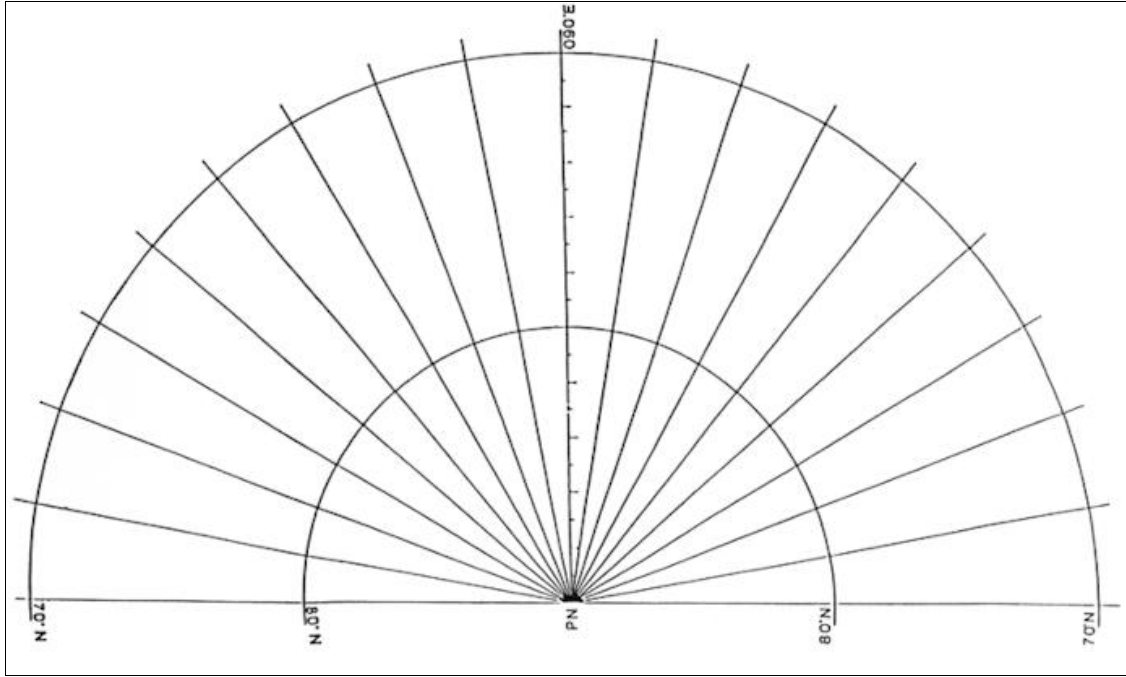
FLIGHT THEORY



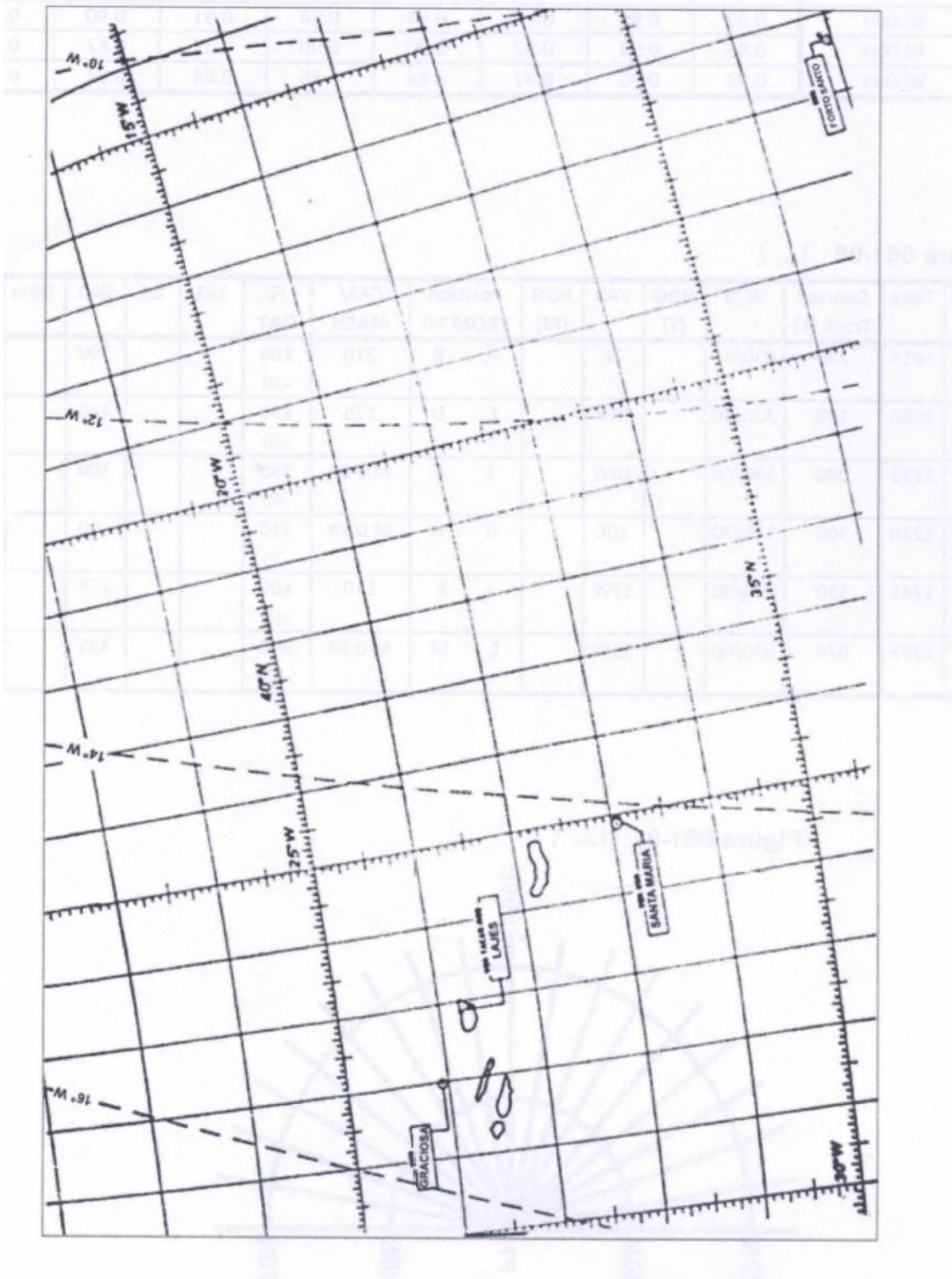
ATPL(A) ANNEXES 061
Rev. W

www.flight-theory.eu

061-1818 A



061-1828 A to 061-1829 A



SUNRISE

Lat.	November				December											Jan.
	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3
N 72	10 14	10 40	11 19													
70	09 30	09 45	10 00	10 16	10 33	10 52	11 14									
68	09 01	09 12	09 23	09 34	09 45	09 55	10 05	10 14	10 22	10 28	10 32	10 35	10 35	10 33	10 30	10 25
66	08 39	08 48	08 57	09 06	09 15	09 23	09 30	09 36	09 42	09 47	09 50	09 52	09 53	09 52	09 51	09 48
64	21	29	37	08 45	08 52	08 59	09 05	09 10	09 15	09 19	22	24	24	24	23	22
62	08 07	08 14	08 21	08 28	08 34	08 40	08 45	08 50	08 54	08 58	09 00	09 02	09 03	09 03	09 03	09 01
N 60	07 54	08 01	08 07	13	19	24	29	33	37	40	08 43	08 45	08 46	08 46	08 46	08 45
58	43	07 49	07 55	08 01	08 06	08 11	15	19	23	26	28	30	31	32	32	31
56	34	40	45	07 50	07 55	07 59	08 03	08 07	08 10	13	15	17	19	19	19	19
54	26	31	36	40	45	49	07 53	07 56	07 59	08 02	08 04	08 06	08 07	08 08	08 08	08 08
52	07 18	07 23	07 28	07 32	07 36	07 40	07 43	07 47	07 50	07 52	07 54	07 56	07 57	07 58	07 59	07 58
N 45	07 02	07 06	07 10	07 14	17	21	24	27	29	32	34	35	37	38	38	38
40	06 49	06 53	06 56	06 59	07 02	07 05	07 08	07 10	07 13	15	17	18	20	21	22	22
35	38	41	44	46	06 49	06 52	06 54	06 57	06 59	07 01	07 03	07 04	07 06	07 07	07 08	07 08
30	28	30	33	35	38	40	43	45	47	06 49	06 50	06 52	06 53	06 54	06 55	06 56
N 20	06 11	06 13	06 15	06 16	06 18	06 20	06 22	06 24	06 26	06 28	06 29	06 31	06 32	06 33	06 35	06 36
N 10	05 56	05 57	05 58	06 00	06 01	06 03	06 04	06 06	06 07	06 09	06 10	06 12	06 13	06 15	06 16	17
0	42	42	43	05 44	05 45	05 46	05 48	05 49	05 50	05 52	05 53	05 55	05 56	05 58	05 59	06 01
S 10	28	28	28	28	29	30	31	32	33	34	35	37	39	40	42	05 43
20	05 12	05 12	05 11	05 11	05 12	05 12	05 13	05 13	05 14	05 15	05 17	05 18	05 20	05 21	23	25
S 30	04 54	04 53	04 52	04 52	04 51	04 51	04 51	04 52	04 52	04 53	04 55	04 56	04 58	04 59	05 01	05 03
35	44	42	41	40	39	39	39	39	40	41	42	43	45	46	04 48	04 51
40	32	30	28	27	26	25	25	25	25	26	27	28	29	31	34	36
45	18	04 15	04 13	04 11	04 09	04 08	04 07	04 07	04 07	04 08	04 08	04 10	04 11	04 13	04 16	04 19
50	04 00	03 57	03 54	03 51	03 49	03 47	03 46	03 45	03 45	03 45	03 46	03 47	03 49	03 51	03 54	03 57
S 52	03 52	03 48	03 45	03 42	03 39	03 37	03 36	03 35	03 34	03 34	03 35	03 36	03 38	03 40	03 43	03 46
54	43	39	35	31	29	26	24	23	22	22	23	24	26	28	31	34
56	32	28	23	19	16	03 13	03 11	03 09	03 09	03 08	03 09	03 10	03 12	03 14	17	21
58	21	15	03 10	03 06	03 02	02 58	02 55	02 53	02 52	02 52	02 52	02 53	02 55	02 57	03 01	03 05
S 60	03 06	03 00	02 54	02 49	02 44	02 40	02 37	02 34	02 32	02 31	02 31	02 32	02 34	02 37	02 41	02 45

SUNSET

Lat.	November				December											Jan.
	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3
N 72	13 15	12 51	12 13													
70	14 00	13 47	13 33	13 19	13 04	12 47	12 27									
68	29	14 19	14 10	14 01	13 52	13 44	13 37	13 30	13 26	13 22	13 21	13 21	13 24	13 29	13 35	13 43
66	14 51	14 43	14 36	14 29	14 22	14 17	14 12	14 08	14 05	14 04	14 03	14 04	14 06	14 10	14 15	14 21
64	15 09	15 02	14 56	14 50	14 45	14 41	37	34	32	31	32	33	35	38	42	47
62	15 23	15 18	15 12	15 08	15 03	15 00	14 57	14 55	14 54	14 53	14 53	14 55	14 57	14 59	15 03	15 07
N 60	15 36	15 32	15 28	15 24	15 20	15 16	15 13	15 12	15 11	15 10	15 11	15 12	15 14	15 17	20	24
58	46	42	38	35	32	29	27	26	25	25	26	27	29	31	34	38
56	15 56	15 52	15 48	15 45	15 43	15 41	15 39	15 38	15 38	15 38	15 39	15 40	15 42	15 44	15 47	15 50
54	16 04	16 01	15 58	15 55	15 53	15 51	15 50	15 49	15 48	15 49	15 51	15 52	15 55	15 58	16 01	16 05
52	16 12	16 09	16 06	16 03	16 01	16 00	15 59	15 58	15 58	15 58	15 59	16 01	16 02	16 05	16 07	16 10
N 50	28	26	24	22	21	20	16 19	16 19	16 19	16 19	16 20	21	23	25	28	30
45	41	39	38	37	36	35	35	35	35	36	37	38	40	42	44	46
40	16 53	16 51	16 50	16 49	16 49	16 48	16 48	16 48	16 49	16 50	16 51	16 52	16 54	16 56	16 58	17 00
35	17 03	17 01	17 01	17 00	17 00	17 00	17 00	17 01	17 01	17 02	17 04	17 05	17 07	17 09	17 10	13
30	17 20	17 19	17 19	17 19	17 19	17 20	17 20	17 21	17 22	17 23	17 25	17 26	17 28	17 29	17 31	17 33
N 20	35	35	35	36	37	37	38	39	41	42	43	44	45	46	47	48
N 10	17 49	17 50	17 51	17 52	17 53	17 54	17 55	17 56	17 58	17 59	18 01	18 02	18 04	18 05	18 07	18 08
S 10	18 03	18 05	18 06	18 07	18 09	18 10	18 12	18 14	18 15	18 17	18	20	21	23	24	25
20	19	21	23	25	26	28	30	32	34	36	37	38	39	40	41	42
S 30	18 37	18 39	18 42	18 44	18 47	18 49	18 51	18 54	18 56	18 58	18 59	19 01	19 02	19 03	19 04	19 05
35	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
40	18 59	19 03	19 06	19 09	19 13	19 16	19 18	19 21	19 23	19 26	19 27	19 29	19 30	19 31	19 32	19 33
45	19 14	18	22	25	29	32	36	39	41	44	46	48	49	50	51	52
50	31	36	41	45	50	54	58	62	66	70	74	78	82	86	90	94
S 52	19 40	19 45	19 50	19 55	19 59	20 04	20 07	20 11	20 14	20 17	20 19	20 21	20 22	20 22	20 22	20 22
54	19 49	19 55	20 00	20 05	20 10	20 15	20 19	20 23	20 26	20 29	20 31	20 33	20 34	20 34	20 34	20 34
56	20 00	20 06	20 12	20 18	20 23	20 28	20 33	20 37	20 40	20 43	20 45	20 47	20 48	20 49	20 48	20 47
58	12	19	25	32	38	43	48	53	57	61	65	69	73	77	81	85
S 60	20 26	20 34	20 41	20 48	20 55	21 01	21 07	21 12	21 17	21 20	21 23	21 25	21 25	21 25	21 24	21 22

061-2305 A

A20

STANDARD TIMES (Corrected to December 1976)

LIST I - PLACES FAST ON G.M.T. (mainly those EAST OF GREENWICH)

The times } given added to G.M.T. to give Standard Time,
below should be } subtracted from Standard Time to give G.M.T.

	h	m		h	m
Admiralty Islands	10		Egypt (United Arab Republic)	02	
Afghanistan	04	30	Equatorial Guinea, Republic of	01	
Albania*	01		Estonia	03	
Amirante Islands	04		Ethiopia	03	
Andaman Islands	05	30	Fernando Poo†	01	
Angola	01		Fiji	12	
Annobon Island†	01		Finland	02	
Arabian Emirates, Federation of	04		France †*	01	
Australia			French Territory of the Afars and Issas	03	
Australian Capital Territory*	10		Friendly Islands	13	
New South Wales ¹ *	10		Gabon	01	
Northern Territory	09	30	Germany	01	
Queensland	10		Gibraltar †	01	
South Australia*	09	30	Gilbert Islands	12	
Tasmania*	10		Greece*	02	
Victoria*	10		Guam	10	
Western Australia	08		Holland (The Netherlands)	01	
Austria	01		Hong Kong*	08	
Balearic Islands†*	01		Hungary	01	
Bangladesh	06		India	05	30
Belgium	01		Indonesia, Republic of		
Benin (Dahomey)	01		Bali, Bangka, Billiton, Java,		
Botswana, Republic of	02		Lombok, Madura, Sumatra	07	
Brunei	08		Borneo, Celebes, Flores, Sumba,		
Bulgaria	02		Sumbawa, Timor	08	
Burma	06	30	Aru, Kei, Moluccas, Tanimbar,		
Burundi	02		Irian Jaya	09	
Cambodia (Democratic Kampuchea.)	07		Iran	03	30
Cameroun Republic	01		Iraq	03	
Caroline Islands, east of long. E. 160°	12		Israel*	02	
west of long. E. 150°	10		Italy*	01	
Truk, Ponape	11		Japan	09	
Central African Republic	01		Jordan*	02	
Chad	01		Kamchatka Peninsula	12	
Chagos Archipelago	05		Kenya	03	
Chatham Islands t	12	45	Korea	09	
China ²	08		Kuril Islands	11	
Christmas Island, Indian Ocean	07		Kuwait	03	
Cocos Keeling Islands	06	30	Laccadive Islands	05	30
Comoro Islands	03		Ladrone Islands	10	
Congo Republic	01		Laos	07	
Corsica †*	01		Latvia	03	
Crete*	02				
Cyprus, North*	02				
South*	02				
Czechoslovakia	01				
Denmark	01				

* Summer time may be kept in these countries.

† The legal time may differ from that given here.

¹ Except Broken Hill Area, which keeps 09 h 30°.

² AU the coast, but some areas may keep summer time.

061-2305 B

A21

STANDARD TIMES (Corrected to December 1976)

LIST I — (continued)

	h m		h m
Lebanon*	02	Saudi Arabia...	03
Lesotho	02	Scbouten Islands	09
Libya †	02	Seychelles	04
Liechtenstein...	01	Sicily*	01
Lord Howe Island ...	10	Singapore	07 30
Luxembourg ...	01	Socotra	03
Macao*	08	Solomon Islands	11
Malagasy Republic ...	03	Somalia Republic	03
Malawi	02	South Africa, Republic of ...	02
Malaysia	07 30	Southern Yemen	03
Malaya	08	South West Africa (Namibia)	02
Sabah, Sarawak ...	05	Spain †*	01
Maldiv Republic ...	01	Spitsbergen (Svalbard)	01
Malta*	09	Sri Lanka	05 30
Manohuria ...	10	Sudan, Republic of ...	02
Mariana Islands	12	Swaziland	02
Marshall Islands ¹ ...	04	Sweden	01
Mauritius	01	Switzerland ...	01
Monaco †	02	Syria* (Syrian Arab Republic)	02
Mozambique	02	Taiwan	08
Namibia (South West Africa) Nauru...	11 30	Tanzania	03
Netherlands, Tbe	01	Thailand	07
New Caledonia	11	Tonga Islands	13
New Hebrides	11	Truk ...	11
New Zealand*	12	Tunisia	01
Nicobar Islands Niger ...	05 30	Turkey*	02
Nigeria, Republic of	01	Tuvalu Islands	12
Norfolk Island	01	Uganda	03
Norway	11 30	Union of Soviet Socialist Republics ²	
Novaya Zemlya	01	west of long. E. 40°	03
Ocean Island	05	long. E. 40° to E. 52° 30'	04
Okinawa	11 30	long. E. 52° 30' to E. 82° 30' ...	05
Oman ...	09	long. E. 67° 30' to E. 82° 30' ...	06
Pakistan	04	long. E. 82° 30' to E. 97° 30' ...	07
Papua New Guinea ...	05	long. E. 97° 30' to E. 112° 30' ...	08
Pescadores Islands ...	10	long. E. 112° 30' to E. 127° 30'...	09
Philippine Republic...	08	long. E. 127° 30' to E. 142° 30'...	10
Poland	08	long. E. 142° 30' to E. 157° 30'...	11
Reunion	01	long. E. 157° 30' to E. 172° 30'...	12
Rhodesia	04	east of long. E. 172° 30' ...	13
Romania	02	Vietnam, Northern ...	07
Rwanda	02	Southern †	07
Ryukyu Islands	02	Wrangell Island	13
Sakhalin	09	Yugoslavia ...	01
Santa Cruz Islands ...	11	Zaire	
Sardinia*	11	Kinshasa, Mbandaka	01
	01	Orientale, Kivu, Katanga, Kasar	02
		Zambia, Republic of	02

Summer time may be kept in these countries.

†The legal time may differ from that given here.

¹ Except the islands of Kwajalein and Eniwetok which keep a time 24h slow on that of the rest of the islands.² The boundaries between the zones are irregular; the longitudes given are approximate only.

061-2325 A, 061-2326 A

A20

STANDARD TIMES (Corrected to September 1993)

LIST I — PLACES FAST ON UTC (mainly those EAST OF GREENWICH)

	The times given below should be	added to UTC to give Standard Time subtracted from Standard Time to give UTC.	
	h m		h m
Admiralty Islands	10	Egypt, Arab Republic of *	02
Afghanistan	04 30	Equatorial Guinea, Republic of	01
Albania*	01	Estonia*	02
Algeria	01	Ethiopia	03
Amirante Islands	04		
Andaman Islands	05 30	Fiji	12
Angola	01	Finland*	02
Armenia	04	France*	01
Australia			
Australian Capital Territory* ...	10	Gabon	01
New South Wales ¹ *	10	Georgia*	03
Northern Territory	09 30	Germany*	01
Queensland	10	Gibraltar*	01
South Australia*	09 30	Greece*	02
Tasmania*	10	Guam	10
Victoria*	10		
Western Australia	08	Holland (The Netherlands)*	01
Whitsunday Islands*	10	Hong Kong	08
Austria*	01	Hungary*	01
Azerbaijan	04		
		India	05 30
Bahrain	03	Indonesia, Republic of	
Balearic Islands*	01	Bangka, Billiton, Java, West and	
Bangladesh	06	Central Kalimantan, Madura, Sumatra	07
Belgium*	01	Bali, Flores, South and East	
Belorussia*	02	Kalimantan, Lombok, Sulawesi,	
Benin	01	Sumba, Sumbawa, Timor	08
Bosnia and Herzegovina*	01	Aru, Irian Jaya, Kai, Moluccas,	09
Botswana, Republic of	02	Tanimbar	03 30
Brunei	08	Iran*	03
Bulgaria*	02	Iraq*	02
Burma (Myanmar)	06 30	Israel*	01
Burundi	02	Italy*	09
		Japan	02
Cambodia	07	Jordan*	
Cameroon Republic	01		
Central African Republic	01	Kazakhstan*	06
Chad	01	Kenya	03
Chagos Archipelago... ..	05	Kiribati Republic ²	12
Diego Garcia	06	Korea, North	09
Chatham Islands*	12 45	Republic of (South)	09
China	08	Kuril Islands	11
Christmas Island, Indian Ocean	07	Kuwait	03
Cocos Keeling Islands	06 30	Kyrgyzstan*	05
Comoro Islands (Comoros)	03		
Congo Republic	01	Laccadive Islands	05 30
Corsica*	01	Laos	07
Crete*	02	Latvia*	02
Croatia*	01	Lebanon*	02
Cyprus, Ercan*	02	Lesotho	02
Larnaca*	02	Libya	02
Czech Republic*	01	Liechtenstein*	01
		Lithuania*	02
Denmark*	01	Lord Howe Island*	10 30
Djibouti	03	Luxembourg*	01

* Summer time may be kept in these countries.

¹ Except Broken Hill Area which keeps 09h 30m.

² Except Kiritimati Island and the Phoenix Islands which keep 10h and 11h slow on UTC.

LIST I — (continued)

	h	m		h	m
Macau	08		Russia (continued)		
Macias Nguema (Fernando Pöo)	01		Zone 8 Khabarovsk, Vladivostok	10	
Madagascar, Democratic Republic of	03		Zone 9 Magadan, Sakhalin I	11	
Malawi	02		Zone 10 Petropavlovsk-Kamchatsky	12	
Malaysia, Malaya, Sabah, Sarawak ...	08		Rwanda	02	
Maldives, Republic of The	05		Ryukyu Islands	09	
Malta*	01		Sakhalin	11	
Mariana Islands	10		Santa Cruz Islands	11	
Marshall Islands '	12		Sardinia *	01	
Mauritius	04		Saudi Arabia	03	
Micronesia	10		Scheuten Islands	10	
General (Caroline Islands)			Serbia*	02	
Pohnpei and Kosrae	11		Seychelles	04	
Rest	12		Sicily*	01	
Moldavia*	02		Singapore	08	
Monaco*	01		Slovakia*	01	
Mongolia*	08		Slovenia*	01	
Mozambique	02		Socotra	03	
			Solomon Islands	11	
Namibia	02				
			Somalia Republic	03	
Nauru	12		South Africa, Republic of	02	
Nepal	05	45	Spain*	01	
Netherlands, The*	01		Spanish Possessions in North Africa		
New Caledonia	11		(Ceuta, Melilla)*	01	
New Zealand*	12		Spitsbergen (Svalbard)	01	
Nicobar Islands	05	30	Sri Lanka	05	30
Niger	01		Sudan, Republic of	02	
Nigeria, Republic of	01		Swaziland	02	
Norfolk Island	11	30	Sweden*	01	
Norway*	01		Switzerland*	01	
Novaya Zemlya	03		Syria (Syrian Arab Republic)*	02	
Okinawa	09		Taiwan	08	
Oman	04		Tajikistan	05	
			Tanzania	03	
Pagalu (Annobon Islands)	01		Thailand	07	
Pakistan... ..	05		Tonga	13	
Palau Islands	09		Tunisia	01	
Papua New Guinea	10		Turkey*	02	
Pescadores Islands	08		Turkmenistan	05	
Philippine Republic	08		Tuvalu	12	
Poland*	01				
Portugal*	01		Uganda	03	
			Ukraine*	02	
Qatar	03		United Arab Emirates	04	
Reunion	04		Uzbekistan	05	
Romania*	02				

Russia ^{2*}		Vanuatu, Republic of	11
Zone 0 Kaliningrad	02	Vietnam, Socialist Republic of ...	07
Zone 1 Arkhangelsk, Moscow, St Petersburg, Astrakhan ...	03	Yemen	03
Zone 2 Izhevsk, Samara	04	Yugoslavia*	01
Zone 3 Novyy Port, Perm	05	Zaire	
Zone 4 Omsk	06	Kinshasa, Mbandaka	01
Zone 5 Dikson, Novosibirsk	07	Haut-Zaire, Kasai, Kivu, Shaba	02
Zone 6 Bratsk, Irkutsk, Ulan Ude	08	Zambia, Republic of	02
Zone 7 Yakutsk, Tiksi	09	Zimbabwe	02

* Summer time may be kept in these countries.

¹ Except the Ebon Atol which keeps time 24^h slow on that of the rest of the islands.

² The boundaries between the zones are irregular; listed are chief towns and republics in each zone.

A22

STANDARD TIMES (Corrected to September 1993)

LIST II — PLACES NORMALLY KEEPING UTC

Ascension Island	Ghana	Irish Republic*	Morocco	Togo Republic
Burkina-Faso	Great Britain ¹	Ivory Coast	Principe	Tristan da Cunha
Canary Islands*	Guinea Bissau	Liberia	St. Helena	
Channel Islands ¹	Guinea Republic	Madeira*	São Tome	
Faeroes*, The	Iceland	Mali	Senegal	
Gambia	Ireland, Northern ¹	Mauritania	Sierra Leone	

* Summer time may be kept in these countries.

¹ Summer time, one hour in advance of UTC, is kept from March 26d Olh to October 29d Olh UTC, subject to confirmation.

LIST III — PLACES SLOW ON UTC (WEST OF GREENWICH)

The times given } subtracted from UTC to give Standard Time
below should be } added to Standard Time to give UTC.

	h	m		h	m
Argentina			Canada (continued)		
Buenos Aires, Santa Cruz,			Prince Edward Island*	...	04
Tierra del Fuego*	03		Quebec, east of long. W. 63°	04	
Other states	03		west of long. W. 63°*	05	
Austral Islands ¹	10		Saskatchewan	06	
Azores*	01		Yukon*	08	
			Cape Verde Islands	01	
Bahamas*	05		Cayman Islands	05	
Barbados	04		Chile*	04	
Belize	06		Colombia	05	
Bermuda*	04		Cook Islands	10	
Bolivia	04		Costa Rica	06	
Brazil			Cuba*	05	
SE coast, Bahia, Goias, Brasilia*	03		Curacao Island	04	
NE coastal states and E of Para	03				
Mato Grosso, Mato Grosso do Sul*	04		Dominican Republic	04	
Amapa, Amazonas, W of Para	04				
Territory of Acre	05		Easter Island (I. de Pascua)*	06	
British Antarctic Territory ²	03		Ecuador	05	
Canada	07		Falkland Islands*	04	
Alberta*	08		Fanning Island	10	
British Columbia*	04		Fernando de Noronha Island	02	
Labrador*	06		French Guiana	03	
Manitoba*	04				
New Brunswick*	03 30		Galapagos Islands	06	
Newfoundland*			Greenland ³		
Northwest Territories*			General*	03	
east of long. W. 68°	04		Scoresby Sound and Danmarkshavn*	01	
long. W. 68° to W. 85°	05		Thule area *	04	
long. W. 85° to W. 102°	06		Grenada	04	
west of long. W. 102°	07		Guadeloupe	04	
Nova Scotia*	04		Guatemala	06	
Ontario, eastern*	05		Guyana, Republic of	04	
western	05				
			Haiti*	05	
			Honduras	06	

* Summer time may be kept in these countries.

¹This is the legal Standard time, but local mean time is generally used.

²Some stations adopt another time zone.

³Mesters Vig keeps UTC.

LIST III — (continued)

	h m		h m
Jamaica	05	United States of America (continued)	
Jan Mayen Island	01	Illinois ²	06
Johnston Island	10	Indiana ³	05
Juan Fernandez Islands*	04	Iowa ²	06
Leeward Islands	04	Kansas ^{2,3}	06
Marquesas Islands	09 30	Kentucky ² , eastern part	05
Martinique	04	western part	06
Mexico ¹	06	Louisiana ²	06
Midway Islands	11	Maine ²	05
Nicaragua	05	Maryland ²	05
Niue	11	Massachusetts ²	05
Panama, Republic of	05	Michigan ^{2,3}	05
Paraguay*	04	Minnesota ²	06
"Peru"	05	Mississippi ²	06
Puerto Rico	04	Missouri ²	06
St Pierre and Miquelon*	03	Montana ²	07
Salvador, El	06	Nebraska ^{2,3}	06
Samoa	11	Nevada ^{2,3}	08
Society Islands	10	New Hampshire ²	05
South Georgia	02	New Jersey ²	05
Suriname	03	New Mexico ²	07
Trinidad and Tobago	04	New York ²	05
Trindade Island, South Atlantic	02	North Carolina ²	05
Tuamotu Archipelago	10	North Dakota ^{2,3}	06
Tubuai Islands	10	Ohio ²	05
Turks and Caicos Islands*	05	Oklahoma ^{2,3}	06
United States of America		Oregon ^{2,3}	08
Alabama ²	06	Pennsylvania ²	05
Alaska ² , east of W. 169° 30'	09	Rhode Island ²	05
Aleutian Islands ² , west of W. 169° 30'	10	South Carolina ²	05
Arizona	07	South Dakota ² , eastern part	06
Arkansas ²	06	western part	07
California ²	08	Tennessee ^{2,3}	06
Colorado ²	07	Texas ^{2,3}	06
Connecticut ²	05	Utah ²	07
Delaware ²	05	Vermont ²	05
District of Columbia ²	05	Virginia ²	05
Florida ^{2,3}	05	Washington D.C. ²	05
Georgia ²	05	Washington ²	08
Hawaii	10	West Virginia ²	05
Idaho ^{2,3}	07	Wisconsin ²	06
		Wyoming ²	07
		Uruguay*	03
		Venezuela	04
		Virgin Islands	04
		Windward Islands	04

* Summer time may be kept in these countries.

Except the states of Sonora, Sinaloa, Nayarit and the Southern District of Lower California which keep 07^h, and the Northern District* of Lower California which keeps 08^h.

²Summer (daylight-saving) time, one hour fast on the time given, is kept in these states from the first Sunday in April to the last Sunday in October, changing at 02^h 00^m local clock time.

³A small portion of the state is in another time zone.

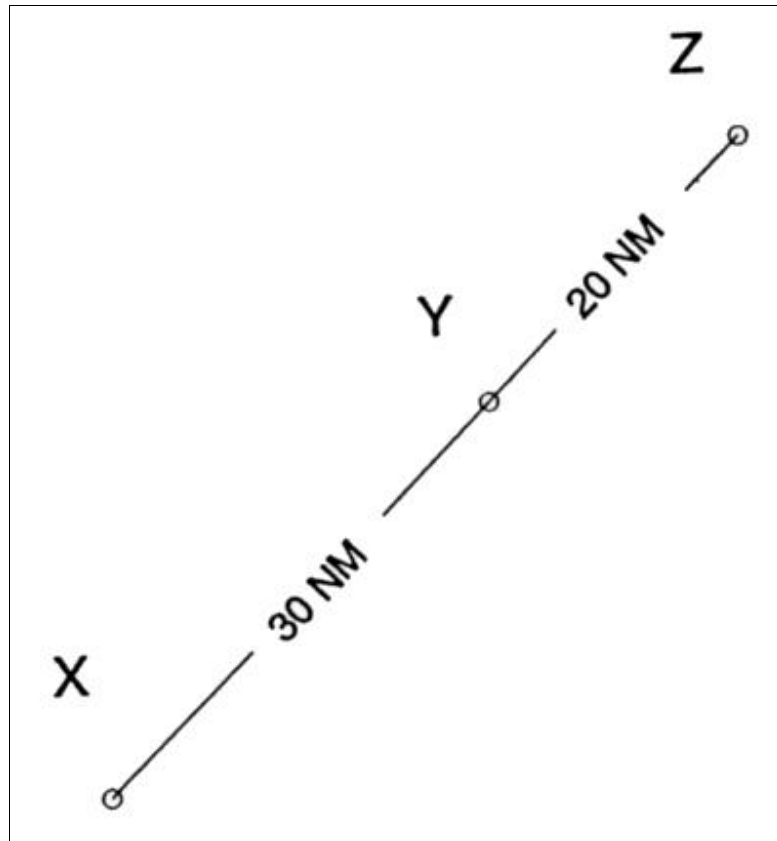
061-9437 A, 061-9438 A, 061-9439 A, 061-9440 A, 061-9441 A, 061-9442 A

Line No.	Time	Course/Track (T)	W/V	HDG (T)	VAR	HDG (M)	POSITION FROM TO	CAS/MACH	FL OAT	TAS	GS	DIST	TIME	ETA
1	1015	270	050/40		7E		A B	210	180 -20			300		
2	1050	180	320/50		5W		C D	175	160 -10			480		
3	1125	090	140/60		10W		E F	M 0.82	350 -40			300		
4	1210	360	315/70		10E		G H	M 0.78	310 -35			600		
5	1245	330	240/30		17W		J K	150	100 -10			275		
6	1355	070	020/60		11W		L M	M 0.84	390 -55			495		

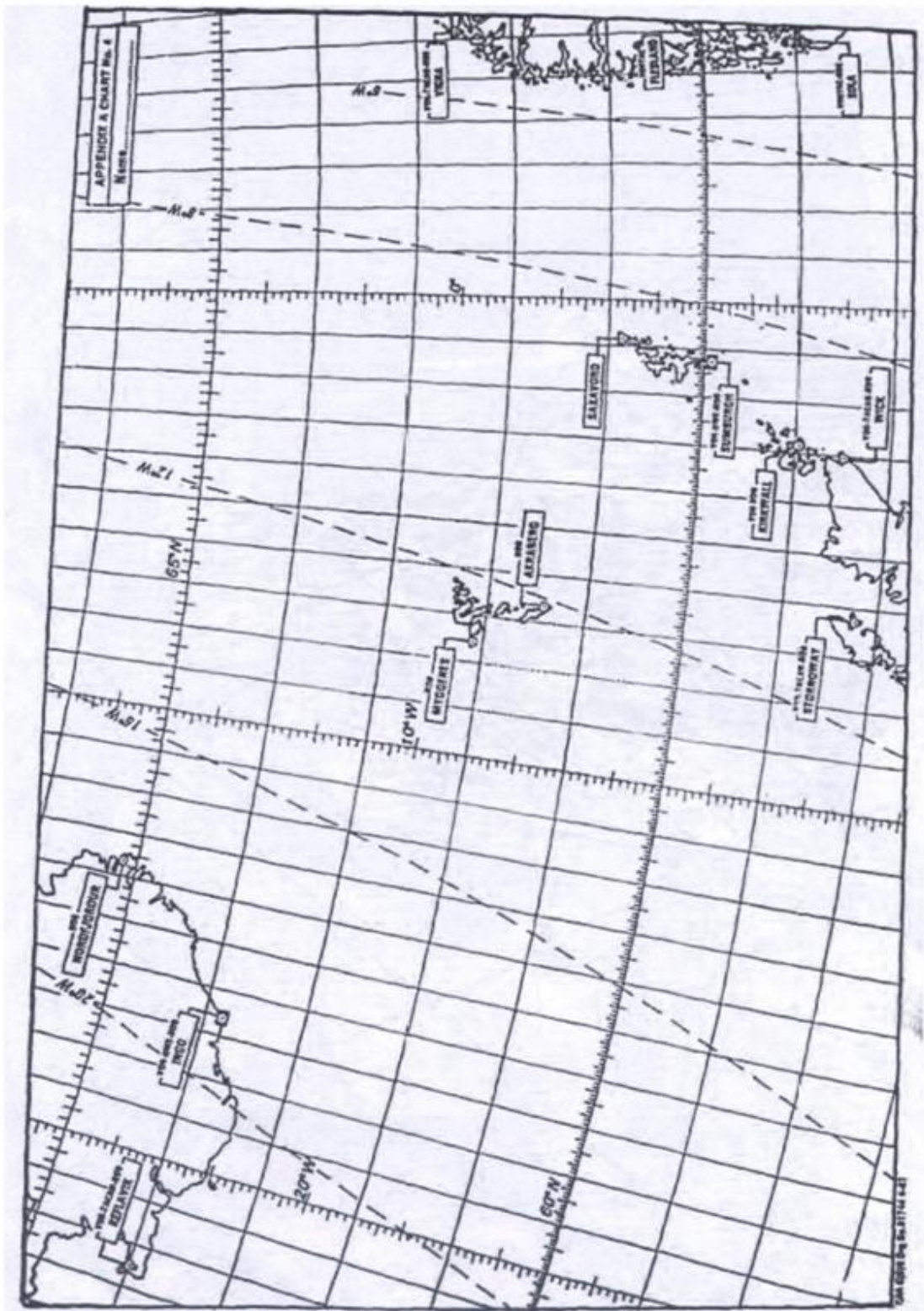
061-9437 B

Pressure Altitude in ft	Calibrated Air Speed in kt							
	200	250	300	350	400	450	500	550
10,000	1.0	1.0	0.99	0.99	0.98	0.98	0.97	0.97
20,000	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.93
30,000	0.97	0.96	0.95	0.94	0.94	0.91	0.90	0.89
40,000	0.96	0.94	0.92	0.90	0.90	0.87	0.87	0.86
50,000	0.93	0.90	0.87	0.86	0.86	0.84	0.84	0.84

061-11993 A



061-12400 A to 061-12405 (Jeppesen Student Manual chart AT(H/L)1)



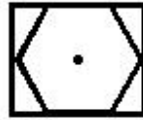
061-12549 A to 061-12613 A (Jeppesen Student Manual Chart E(LO)1)



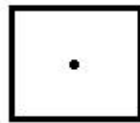
ICAO AERONAUTICAL CHART SYMBOLOGY

RADIO NAVIGATION AIDS

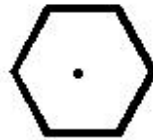
1



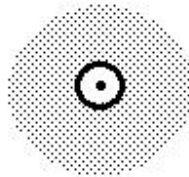
2



3



4



5



6











7



ICAO AERONAUTICAL CHART SYMBOLOGY

AIR TRAFFIC SERVICES

- | | |
|--|--|
| 1.  | 5.  |
| 2.  | 6.  |
| 3.  | 7.  |
| 4.  | 8.  |

OBSTACLES

- | | |
|---|---|
| 9.  | 12.  |
| 10.  | 13.  |
| 11.  | 14.  |

VISUAL AIDS

- | | |
|---|---|
| 15.  | 16.  |
|---|---|