

NAVAIDS FOR AIRPORTS WORLDWIDE

AIRPTS09.ZIP
For use with FS and ATP.

Compiled by Alfred Grech, North York
NOT FOR REAL LIFE AVIATION

NOTE: Please enter * for adds/revs you make. Nav aids shown with

ID	COUNTRY	CITY	VOR	NDB	RWY-ILS
**	AFR	*** AFRICA ***		***	AFRICA
ALG	AFR-ALG	ALGIER			09 - 118.70
ALG	AFR-ALG	ALGIER			05/23
ACE	AFR-CNY	ARRECIFE Lanzar	115.2	310	04/22
FUE	AFR-CNY	FUERTEVENTURA	114.1	285	01 - 109.50
FNC	AFR-CNY	GANDO Gr.Canar	115.6	350	03L - 109.90
N/A	AFR-CNY	HIERRO La Palme	116.4	376	15/33
LZR	AFR-CNY	LANZAROTE	115.2	310	
LPA	AFR-CNY	LAS PALMAS	112.4	389	01/19
GDV	AFR-CNY	MADEIRA Canaries	112.9	365	03L - 109.90
N/A	AFR-CNY	REINA SO Ten S	116.4	317	08 - 109.70
TCI	AFR-CNY	TENERIFE Ten N	112.5	350	30 - 110.30
CAI	AFR-EGY	CAIRO Egypt			
BEN	AFR-LIB	BENGHAZI			
TIP	AFR-LIB	TRIPOLI Libya	114.5	301	09
TIP	AFR-LIB	TRIPOLI Libya	113.7	301	270 - 114.50
CMM	AFR-MOR	CASABLANCA Mor			
RAB	AFR-MOR	RABAT Morocco			
N/A	AFR-SUZ	ISMA' ILIYA (Suez)			
TUN	AFR-TUN	TUNIS Tunisia	117.4		15/33
TUN	AFR-TUN	TUNIS Tunisia	117.4		15/33
**	ASIA	*** ASIA ***		***	ASIAN CONT
HKG	ASIA-HKG	HONG KONG	115.5405		32 - 109.90
HKG	ASIA-HKG	HONG KONG	115.5405		09 - 111.90
BGW	ASIA-IRQ	BAGHDAD Iraq			
	ASIA-ISR	JERUSALEM Isr			
TLV	ASIA-ISR	TEL AVIV Israel			
ADJ	ASIA-JOR	AMMAN Jordan			
OWE	ASIA-JPN	OSAKA Japan			
JTT	ASIA-JPN	TOKYO Int'l Jap	110.9		
JAA	ASIA-JPN	TOKYO New Jap	111.1		
BEY	ASIA-LEB	BEIRUT Lebanon	113.9	351	20/02
BEY	ASIA-LEB	BEIRUT Lebanon	113.9	351	17/35
ORK	ASIA-RUS	CORK Russia	114.6	381	

	ASIA-RUS	GORKI Russia			
SVO	ASIA-RUS	MOSCOW Russia	117.0		?12/110.50
	ASIA-TUR	ANKARA Turkey			
IST	ASIA-TUR	ISTANBUL Turkey			
**	CAN	*** CANADA ***		***	CANADA
YYC	CAN-AB	CALGARY	116.7	344	16 - 109.30
YYC	CAN-AB	CALGARY	116.7	344	34 - 108.30
YYC	CAN-AB	CALGARY	116.7	344	28 - 110.90
YOD	CAN-AB	COLD LAKE		398	04/22
YOD	CAN-AB	COLD LAKE		398	31R - 109.30
YOD	CAN-AB	COLD LAKE		398	31L
YEG	CAN-AB	EDMONTON	117.6	308	02 - 110.30
YEG	CAN-AB	EDMONTON	117.6	308	12 - 109.90
YQF	CAN-AB	RED DEER	111.6	320	11/29
YQF	CAN-AB	RED DEER	111.6	320	16/34
YKA	CAN-BC	KAMLOOPS		236	
YLW	CAN-BC	KELOWNA	114.8	257	15/03
YCD	CAN-BC	NANAIMO	111.8	251	16/34
YPW	CAN-BC	POWELL RIVER		382	09/27
YPR	CAN-BC	PRINCE RUPERT	109.7	218	13 - 109.70
YAZ	CAN-BC	TOFINO	122.3	359	10/28
YVR	CAN-BC	VANCOUVER	115.9	266	08 - 109.50
YVR	CAN-BC	VANCOUVER	115.9	266	12 - 111.10
YVR	CAN-BC	VANCOUVER	115.9	266	26 - 110.70
YYJ	CAN-BC	VICTORIA	113.7	200	09 - 108.70
YYJ	CAN-BC	VICTORIA	113.7	200	27 - 108.70
YYJ	CAN-BC	VICTORIA	113.7	200	02/20
YYJ	CAN-BC	VICTORIA	113.7	200	13/31
YBR	CAN-MB	BRANDON	113.8	233	08/26
YBR	CAN-MB	BRANDON	113.8	233	14/32
YWG	CAN-MB	WINNIPEG	115.5	248	31 - 110.30
YWG	CAN-MB	WINNIPEG	115.5	248	13 - 109.50
YWG	CAN-MB	WINNIPEG	115.5	248	36 - 109.90
YWG	CAN-MB	WINNIPEG	115.5	248	07/25
YCL	CAN-NB	CHARLO		215	12/30
YCH	CAN-NB	CHATHAM		530	09/27
CN3	CAN-NB	EDMUNSTON			18/36
YFC	CAN-NB	FREDERICTON	113.0	326	15 - 109.90
YFC	CAN-NB	FREDERICTON	113.0	326	09/27
YQM	CAN-NB	MONCTON	117.3	224	06/24

YQM	CAN-NB	MONCTON	117.3	224	02/20
YQM	CAN-NB	MONCTON	117.3	224	11/29
YSJ	CAN-NB	ST JOHN	113.5	212	23 - 110.50
YSJ	CAN-NB	ST JOHN	113.5	212	14/32
YSJ	CAN-NB	ST JOHN	113.5	212	05 - 108.30
YQX	CAN-NF	GANDER	112.7	280	13 - 109.50
YQX	CAN-NF	GANDER	112.7	280	22 - 109.90
YYT	CAN-NF	ST JOHN'S	113.5	246	02/20
YYT	CAN-NF	ST JOHN'S	113.5		29 - 110.30
YYT	CAN-NF	ST JOHN'S	113.5	260	16 - 109.50
YJT	CAN-NF	STEPHENVILLE	113.1	390	10 - 109.50
YHZ	CAN-NS	DEBERT	115.1	391	16/24
YHZ	CAN-NS	DEBERT	115.1	391	10/21
N/A	CAN-NS	DIGBY	113.3	239	06/24
YJR	CAN-NS	GOOSE BAY	117.3	257	08 - 110.30
YZX	CAN-NS	GREENWOOD	113.3	330	31 - 110.70
YAW	CAN-NS	HALIFAX	115.1	248	24 - 109.90
YAW	CAN-NS	HALIFAX	115.1	248	15 - 109.10
YPD	CAN-NS	PORT HAWKSBRYP	114.9	328	29/11
YAW	CAN-NS	SHEARWATER	110.1	353	10/28
YAW	CAN-NS	SHEARWATER	110.1	353	34 - 110.50
FVP	CAN-NS	ST PIERRE (Fr)	113.5	354	15 - 110.30
YQY	CAN-NS	SYDNEY	114.9	263	07 - 109.50
YQY	CAN-NS	SYDNEY	114.9	263	25 - 110.30
YQI	CAN-NS	YARMOUTH	113.3	206	24 - 109.70
YZF	CAN-NT	YELLOWKNIFE	115.5	356	33 - 109.50
YZF	CAN-NT	YELLOWKNIFE	115.5	356	09/27
NC3	CAN-ON	BRAMPTON			15/33
YFD	CAN-ON	BRANTFORD	115.0	207	05/23
YKZ	CAN-ON	BUTTONVILLE	113.3	248	12 - 110.90
YCC	CAN-ON	CORNWALL			10/28
YZD	CAN-ON	DOWNSVIEW	117.4	356	15/33
YHM	CAN-ON	HAMILTON	125.0	221	24 - 109.90
YHM	CAN-ON	HAMILTON	125.0	221	06 - 109.10
YHM	CAN-ON	HAMILTON	125.0	221	12R/30L
YGK	CAN-ON	KINGSTON		263	12/30
YGK	CAN-ON	KINGSTON		263	07/25
YGK	CAN-ON	KINGSTON			19 - 111.30
YXU	CAN-ON	LONDON	117.2	382	15 - 109.50
YXU	CAN-ON	LONDON	117.2	382	09/27

IAG	CAN-ON	NIAGARA FALLS			
YYB	CAN-ON	NORTH BAY	115.4	394	08 - 110.90
YYB	CAN-ON	NORTH BAY	115.4	394	13/31
YYB	CAN-ON	NORTH BAY	115.4	394	18/36
YOO	CAN-ON	OSHAWA	114.5	391	
YOW	CAN-ON	OTTAWA	114.6	236	04/22
YOW	CAN-ON	OTTAWA	114.6	236	17/35
YOW	CAN-ON	OTTAWA	114.6	236	32 - 110.30
YOW	CAN-ON	OTTAWA	114.6	236	07 - 109.50
YAM	CAN-ON	SAULT S MARIE	112.2	286	11 - 109.50
YAM	CAN-ON	SAULT S MARIE	112.2	286	04/22
YSN	CAN-ON	ST CATHARIN	116.4	408	11/29
YSN	CAN-ON	ST CATHARIN	116.4	408	01/19
YSN	CAN-ON	ST CATHARIN	116.4	408	06/24
STF	CAN-ON	STURG FALLS			01/19
YSB	CAN-ON	SUDBURY	112.3	362	04 - 110.30
YSB	CAN-ON	SUDBURY	112.3	362	11/29
YQT	CAN-ON	THUNDER BAY	114.1	332	12/30
YQT	CAN-ON	THUNDER BAY	114.1	332	07 - 109.50
YYZ	CAN-ON	TORONTO	113.3	368	24R - 111.50
YYZ	CAN-ON	TORONTO	113.3	368	14 - 110.50
YYZ	CAN-ON	TORONTO	113.3	368	32 - 110.30
YYZ	CAN-ON	TORONTO	113.3	368	06R - 109.10
YYZ	CAN-ON	TORONTO	113.3	368	24L - 109.30
YYZ	CAN-ON	TORONTO	113.3	368	06L - 109.70
YTZ	CAN-ON	TORONTO Isl	113.3	290	25 - 110.70
YTZ	CAN-ON	TORONTO Isl	113.3	290	10 - 113.20
YTZ	CAN-ON	TORONTO Isl	113.3	290	28 - 112.30
YTR	CAN-ON	TRENTON	109.7	215	06 - 109.70
YTR	CAN-ON	TRENTON	109.7		13/31
YKF	CAN-ON	WATERLOO	115.0	335	14/32
YKF	CAN-ON	WATERLOO	115.0	335	25 - 110.70
YQG	CAN-ON	WINDSOR	113.8	353	25 - 110.30
YQG	CAN-ON	WINDSOR	113.8	353	12/30
YQG	CAN-ON	WINDSOR	113.8	353	02/20
YYG	CAN-PI	CHARL'TOWN	114.1	347	03 - 110.90
N/A	CAN-PI	EAST POINT	115.1	328	
YSU	CAN-PI	SUMMERSIDE	112.6	254	24 - 117.05
YSU	CAN-PI	SUMMERSIDE	112.6	254	12 - 117.05
YBC	CAN-QU	BAIE-COMEAU	117.7		10/28

YRC	CAN-QU	CHICOUTIMI	118.4	213	18/36
YRC	CAN-QU	CHICOUTIMI	118.4	213	12/30
YRC	CAN-QU	CHICOUTIMI	118.4	213	06/24
N/A	CAN-QU	DRUMMONDV		401	06/24
YGP	CAN-QU	GASPE	115.4	232	
YND	CAN-QU	GATINEAU			09/27
YGR	CAN-QU	IS.DE LA MAD	112.0	370	08/26
YUL	CAN-QU	MONTREAL Dor	116.3	248	24R - 111.90
YUL	CAN-QU	MONTREAL Dor	116.3	248	24L - 110.50
YUL	CAN-QU	MONTREAL Dor	116.3	248	10 - 109.90
YUL	CAN-QU	MONTREAL Dor	116.3	248	06L - 109.30
YMX	CAN-QU	MONTREAL Mir	116.7	266	24 - 111.70
YMX	CAN-QU	MONTREAL Mir	116.7	266	06 - 111.30
YMX	CAN-QU	MONTREAL Mir	116.7	266	11 - 110.90
YQB	CAN-QU	QUEBEC	112.8	230	06 - 109.50
YQB	CAN-QU	QUEBEC	112.8	230	12/30
YRI	CAN-QU	RIV DU LOUP	113.9		05/23
YZV	CAN-QU	SEPT-ILES	114.5	273	09 - 109.50
YHU	CAN-QU	ST HUBERT			06/24
YJN	CAN-QU	ST JEAN	115.8		
YRQ	CAN-QU	TROIS RIVIERE	123.0	205	05/23
YVO	CAN-QU	VAL D'OR	113.7	239	18 - 110.30
YQR	CAN-SA	REGINA	114.8	290	08/26
YQR	CAN-SA	REGINA	114.8	290	13 - 109.50
YXE	CAN-SA	SASKATOON	116.2	257	09 - 109.90
YXE	CAN-SA	SASKATOON	116.2	257	15/33
YXY	CAN-YT	WHITEHORSE	116.6	302	31L - 109.50
YXY	CAN-YT	WHITEHORSE	116.6	302	13L/31R
YXY	CAN-YT	YT-WHITEHORSE	116.6	302	18/36
**	CAR	** CARIBBEAN **		***	CARIBBEAN
FPO	CAR-BAH	FREEPORT Baham	113.2	326	
NAS	CAR-BAH	NASSAU Bahamas	112.7	320	
BDA	CAR-BER	BERMUDA Kindley	113.9	323	12 - 109.90
ZBV	CAR-BIM	BIMINI ISL S	116.7		
HAV	CAR-CUB	HAVANA Cuba		380	
N/A	CAR-DOM	SANTO DOMINGO	112.7	300	
KIN	CAR-JAM	KINGSTON Jam	115.9	106	
PSE	CAR-PR	PONCE Puerto R	109.0		
SJU	CAR-PR	SAN JUAN	114.0		
POS	CAR-TRN	PORT OF SPAIN	116.9		

**	EUR	*** EUROPE ***	***	EUROPE
INN	EUR-AUS	INNSBRUCK	109.7	420
VIE	EUR-AUS	VIENNA		
ANT	EUR-BEL	ANTWERP		355 29 - 109.1
BRU	EUR-BEL	BRUSSELS Nat'l	114.6	314 20 - 109.90
BRU	EUR-BEL	BRUSSELS Nat'l	114.6	314 07L - 110.00
BRU	EUR-BEL	BRUSSELS Nat'l	114.6	314 25R - 111.25
N/A	EUR-BEL	ZAVENTEM	116.4	395 19 - 110.50
N/A	EUR-BEL	ZAVENTEM	116.4	395 09 - 110.30
SOF	EUR-BUL	SOFIA Bulgaria		
NIC	EUR-CYP	NICOSIA Cyprus	?109.70	?263 ?09 - 109.70
NIC	EUR-CYP	NICOSIA Cyprus	?109.70	?263 ?17/35
N/A	EUR-DEN	ALBORG Denmark		
N/A	EUR-DEN	BORNHOLM Den	112.0	334 29 - 110.30
N/A	EUR-DEN	BORNHOLM Den	112.0	334 11 - 110.30
CPH	EUR-DEN	COPENHAGEN		
N/A	EUR-DEN	DENMARK	112.5	341 04R - 109.30
N/A	EUR-DEN	DENMARK	112.5	341 04L - 110.50
N/A	EUR-DEN	DENMARK	112.5	341 22R - 110.90
N/A	EUR-DEN	DENMARK	112.5	341 30 - 108.90
N/A	EUR-DEN	DENMARK	112.5	341 12 - 109.90
HLS	EUR-FIN	HELSINKI Finland		
	EUR-FIN	HELSINKI Finland		
AJA	EUR-FR	AJACCIO Corsica	114.8	341
N/A	EUR-FR	BORDEAUX		
BOD	EUR-FR	BORDEAUX		
BNE	EUR-FR	BOULOGNE	113.8	
FPY	EUR-FR	BRETIGNY		
N/A	EUR-FR	CORSICA Nord	116.2	369
N/A	EUR-FR	CORSICA Sud	116.7	349
FPD	EUR-FR	LE BOURGET	108.8	334
LH0	EUR-FR	LE HAVRE	110.2	346
N/A	EUR-FR	LE MANS	115.2	
LTQ	EUR-FR	LE TOUQUET	113.8	
LIL	EUR-FR	LILLE	112.6	
MRS	EUR-FR	MARSEILLES		
NCE	EUR-FR	NICE	116.4	05L - 110.25
NCE	EUR-FR	NICE	116.4	05R - 110.85
FPG	EUR-FR	PARIS De Gaulle	115.4	356 27 - 110.70
FPG	EUR-FR	PARIS De Gaulle	109.2	356 09 - 121.15

FPG	EUR-FR	PARIS De Gaulle	109.2	343	10 - 108.70
FPO	EUR-FR	PARIS Orly	111.2	402	07 - 108.50
FAB	EUR-FR	ST AUBIN	115.8		
FRG	EUR-FR	ST GATIEN	115.4		
FPD	EUR-FR	ST MARTIN			
SXB	EUR-FR	STRASBOURG	115.6		
FOB	EUR-FR	TILLE			
FPN	EUR-FR	TOUSSUS-L-N			
N/A	EUR-GER	AMLIKON			
BRL	EUR-GER	BERLIN	112.3		26L
	EUR-GER	BONN			
DUS	EUR-GER	DUSSELDORF	115.2	323	24 - 109.90
DUS	EUR-GER	DUSSELDORF	115.2	323	06 - 111.50
FRA	EUR-GER	FRANKFURT Mn	114.2		25R - 109.50
FRA	EUR-GER	FRANKFURT Mn	114.2		07L - 110.10
FRA	EUR-GER	FRANKFURT Mn	114.2		07R - 111.10
FRA	EUR-GER	FRANKFURT Mn	114.2		25L - 110.70
N/A	EUR-GER	FREIBURG	108.8	376	23 - 110.10
N/A	EUR-GER	FREIBURG	108.8	376	16 - 109.50
INN	EUR-GER	INNSBRUCK		420	
KBO	EUR-GER	KOLN	112.2		32R - 109.70
KBO	EUR-GER	KOLN	112.2		14L - 110.90
N/A	EUR-GER	MANNHEIM	116.0		
MUN	EUR-GER	MUNICH	112.3		- 108.70
MUN	EUR-GER	MUNICH	112.3		- 110.90
MUN	EUR-GER	MUNICH	112.3		- 110.30
	EUR-GER	MUNICH	112.3		- 108.30
NBG	EUR-GER	NURNBERG	117.4		26L - 108.30
NBG	EUR-GER	NURNBERG	117.4		26R - 108.70
NBG	EUR-GER	NURNBERG	117.4		08L - 110.30
NBG	EUR-GER	NURNBERG	117.4		08R - 110.90
RHI	EUR-GER	RHINE	114.3	332	10/28
RHI	EUR-GER	RHINE	114.3	332	3/21
SAA	EUR-GER	SAARBRUCKEN	113.9	360	27 - 108.70
SAA	EUR-GER	SAARBRUCKEN	113.9	360	23 - 110.10
ATH	EUR-GRE	ATHENS	?115.80		?29 - 108.70
AMS	EUR-HOL	AMSTERDAM			
N/A	EUR-HOL	EELDE	112.4	350	27 - 111.50
N/A	EUR-HOL	EELDE	112.4	350	01 - 111.30
N/A	EUR-HOL	EELDE	112.4	350	24 - 108.30

N/A	EUR-HOL	EELDE	112.4	350	06 - 111.10
RTM	EUR-HOL	ROTTERDAM	110.4	376	04 - 116.80
RTM	EUR-HOL	ROTTERDAM	110.4	332	22 - 116.90
AMS	EUR-HOL	SCHIPOL Amsterd	117.4	376	27 - 114.20
AMS	EUR-HOL	SCHIPOL Amsterd	117.4		09 - 114.10
AMS	EUR-HOL	SCHIPOL Amsterd	117.4		19R - 114.40
AMS	EUR-HOL	SCHIPOL Amsterd	117.4	395	01 - 114.30
N/A	EUR-HOL	TEUGE	111.1		08/26
N/A	EUR-ITA	ANCONA	117.6	374	22 - 111.90
BRI	EUR-ITA	BARI	115.4	401	07 - 109.30
N/A	EUR-ITA	BERGAMO	112.6	373	30 - 108.70
N/A	EUR-ITA	BERGAMO	112.6	333	36 - 109.90
BLQ	EUR-ITA	BOLOGNA	112.2	335	02R - 108.90
BLQ	EUR-ITA	BOLOGNA	112.2	335	12 - 109.70
BDS	EUR-ITA	BRINDISI	113.2	363	32 - 109.50
CAG	EUR-ITA	CAGLIARI Sard	113.4	371	32 - 109.50
CTA	EUR-ITA	CATANIA Sicily	112.1	325	28 - 110.30
CTA	EUR-ITA	CATANIA Sicily	112.1	345	08 - 109.90
CTA	EUR-ITA	CATANIA Sicily	112.1	325	03 - 109.30
N/A	EUR-ITA	COMO	116.0	333	29 - 110.90
N/A	EUR-ITA	COMO	116.0	333	36 - 110.30
FLR	EUR-ITA	FLORENCE	112.5	366	23/05
GOA	EUR-ITA	GENOVA	115.5	333	05 - 119.90
GOA	EUR-ITA	GENOVA	115.5	333	29 - 109.30
LNP	EUR-ITA	LAMPEDUSA Isl.	108.6	373	08/26
N/A	EUR-ITA	MALPENSA/Var	115.5	292	29 - 110.90
N/A	EUR-ITA	MALPENSA/Var	115.5	292	36 - 110.30
N/A	EUR-ITA	MALPENSA/Var	115.5	292	21 - 109.30
MLA	EUR-ITA	MALTA Luqa	115.7	395	32 - 110.50
MLA	EUR-ITA	MALTA Luqa	115.7	395	24 - 109.70
LIN	EUR-ITA	MILANO Linate	116.0	386	36R - 110.30
MXP	EUR-ITA	MILANO Malpensa	111.2	364	35R - 109.90
NAP	EUR-ITA	NAPLES	115.8	362	24 - 109.50
PMO	EUR-ITA	PALERMO Sicily	113.0	329	25 - 109.50
PMO	EUR-ITA	PALERMO Sicily	113.0	329	20 - 109.90
PNL	EUR-ITA	PANTELLERIA Isl.	116.1	329	21 - 109.90
PNL	EUR-ITA	PANTELLERIA Isl.	116.1	335	26 - 109.50
N/A	EUR-ITA	PISA	115.2	360	12 - 108.90
N/A	EUR-ITA	PISA	115.2	360	04 - 109.70
REG	EUR-ITA	REGGIO CALABR	111.0	325	33 - 109.30

CIA	EUR-ITA	ROMA Ciampino		412	15 - 109.90
FCO	EUR-ITA	ROMA Fiumicino	114.9	412	25 - 109.70
FCO	EUR-ITA	ROMA Fiumicino	114.9	412	16L - 108.10
FCO	EUR-ITA	ROMA Fiumicino	114.9	412	16R - 110.30
FCO	EUR-ITA	ROMA Fiumicino	114.9	412	34R - 109.30
TRS	EUR-ITA	TRIESTE	114.2		09 - 109.70
TRN	EUR-ITA	TURIN	109.5	357	36 - 109.50
VCE	EUR-ITA	VENEZIA	114.5	420	02 - 112.05
VCE	EUR-ITA	VENEZIA	114.5	420	36 - 109.20
VCE	EUR-ITA	VENEZIA	114.5	420	04 - 110.10
VCE	EUR-ITA	VENEZIA	114.5	379	04 - 110.30
VCE	EUR-ITA	VENEZIA	114.5	420	07 - 109.30
VRN	EUR-ITA	VERONA	115.8		05 - 110.10
OSL	EUR-NOR	OSLO Fornebu	113.4	376	24 - 110.90
OSL	EUR-NOR	OSLO Fornebu	113.4	376	19/01
OSL	EUR-NOR	OSLO Fornebu	113.4	376	06 - 109.70
AMR	EUR-SPN	ALMERIA	114.1	284	26 - 109.90
BLA	EUR-SPN	BARCEL. El Prat	114.3	367	25 - 109.50
BLA	EUR-SPN	BARCEL. El Prat	114.3	367	07 - 110.30
COR	EUR-SPN	CORDOBA		366	04/22
GBR	EUR-SPN	GIBRALTAR (UK)	113.0	274	09 - 117.75
GBR	EUR-SPN	GIBRALTAR (UK)	113.0	274	27 - 117.25
GDA	EUR-SPN	GRANADA	113.4	285	09 - 109.30
JRZ	EUR-SPN	JEREZ	113.8	274	21 - 108.90
LIS	EUR-SPN	LISBON Portugal			
MAD	EUR-SPN	MADRID			
MGA	EUR-SPN	MALAGA	112.8	330	32 - 109.90
MGA	EUR-SPN	MALAGA	112.8	350	14 - 109.50
MRN	EUR-SPN	MORON (AFB)	115.3	280	21
PMI	EUR-SPN	PALMA Mallorca	113.3	351	06L - 119.40
PMI	EUR-SPN	PALMA Mallorca	113.3	351	24R - 109.90
PPD	EUR-SPN	PONTE DELG Ptg	109.5	371	
AOG	EUR-SPN	ROTA (Navy)		265	28 - 108.60
SVQ	EUR-SPN	SEVILLA	113.7	260	28 - 110.10
VLC	EUR-SPN	VALENCIA			
N/A	EUR-SWE	STOCKHOLM			
GVA	EUR-SWI	GENEVA	113.9	378	23 - 109.90
N/A	EUR-SWI	LUGANO	113.7	403	03 - 111.50
ZRH	EUR-SWI	ZURICH	115.0		14 - 108.30
ZRH	EUR-SWI	ZURICH	116.4		16 - 110.30

IST	EUR-TUR	ISTANBUL Turkey			
ABR	EUR-UK	ABERDEEN	113.0	349	
GAD	EUR-UK	BELFAST Aldergr	116.2	385	17 - 110.90
GAD	EUR-UK	BELFAST Aldergr	116.2	385	26 - 109.70
GBB	EUR-UK	BIRMINGHAM	112.9		15 - 110.10
GBB	EUR-UK	BIRMINGHAM	112.9		33 - 110.10
BRS	EUR-UK	BRISTOL	117.5	380	27 - 110.15
GFF	EUR-UK	CARDIFF			12 - 110.70
CWL	EUR-UK	CARDIFF	117.5	363	30 - 110.70
	EUR-UK	CARDIFF			
	EUR-UK	DOVER	115.0		
IDW	EUR-UK	DUBLIN	114.9	326	16 - 111.50
IDW	EUR-UK	DUBLIN	114.9	326	23 - 114.90
EDI	EUR-UK	EDINBURGH			
GLA	EUR-UK	GLASGOW Int'l	115.4	350	23 - 109.30
GLA	EUR-UK	GLASGOW Int'l	115.4	325	05 - 110.10
IOM	EUR-UK	ISLE OF MAN(Ind)	112.2	359	27 - 110.90
IOM	EUR-UK	ISLE OF MAN(Ind)	112.2	366	09 - 111.75
GHI	EUR-UK	ISLE OF WIGHT			
GKK	EUR-UK	LONDON Gat	115.3	35308R	- 110.90
GKK	EUR-UK	LONDON Gat	115.3	35326L	- 110.90
GGL	EUR-UK	LONDON Heath	113.6	357	17L - 109.50
GGL	EUR-UK	LONDON Heath	113.6	357	09R - 109.50
GGL	EUR-UK	LONDON Heath	113.6	357	27r - 110.30
GGL	EUR-UK	LONDON Heath	113.6	357	09L - 110.30
MAN	EUR-UK	MANCHESTER	113.6		06 - 109.50
MAN	EUR-UK	MANCHESTER	113.6		24 - 110.50
PIK	EUR-UK	PRESTWICK	117.5	336	13 - 109.50
PIK	EUR-UK	PRESTWICK	117.5	336	31 - 110.30
SNN	EUR-UK	SHANNON	113.3		
N/A	EUR-UK	SHOREHAM	117.0		
GKA	EUR-UK	SHOREHAM			
GHI	EUR-UK	SOUTHAMPTON	113.4		
BEG	EUR-YUG	BELGRADE			
BUH	EUR-YUG	BUCHAREST			
	EUR-(FR)	MONTE CARLO			
**	SAM	**** S. AMERICA		***	S. AMERICA
N/A	SAM-BRZ	BELEM Brazil	117.3	250	06 - 109.30
N/A	SAM-BRZ	BELEM Brazil	117.3	250	02
N/A	SAM-BRZ	BELEM Brazil	117.3	250	33

ACA	SAM-MEX	ACAPULCO Mex	115.9		
MEX	SAM-MEX	MEX CITY El Est	117.0		05 - 109.10
**	TAH	*** TAHITI ISL ***		***	TAHITI
ANA	TAHITI	ANAA		332	08/26
APA	TAHITI	APATAKI			
ARA	TAHITI	ARATIKA			20/02
BOR	TAHITI	BORA BORA		384	29/11
FAK	TAHITI	FAKARAVA			23/05
HUA	TAHITI	HUAHINE	112.7	345	07/25
MAK	TAHITI	MAKEMO		383	11/29
MAN	TAHITI	MANIHI		284	05/23
MAT	TAHITI	MATAIVA			
MAU	TAHITI	MAUPITI			07/25
MOO	TAHITI	MOOREA		337	30/12
RAI	TAHITI	RAIATEA Tahaa		372	07/25
RAN	TAHITI	RANGIROA	112.3	358	09/27
TAT	TAHITI	TAHITI	112.9	337	22/04
TAT	TAHITI	TAHITI	112.9	393	04/22
TAK	TAHITI	TAKAPOTO		349	07/25
TET	TAHITI	TETIAROA			
TUP	TAHITI	TUPAI			08/26
*	USA	*** U.S.A. ***		***	U.S.A.
ANC	USA-AK	ANCHORAGE	114.3		6L - 111.30
ANC	USA-AK	ANCHORAGE	114.3		6R - 111.30
BCQ	USA-AK	BIG LAKE	112.5		
ANC	USA-AK	CAMPBELL Int'l		338	
EDF	USA-AK	ELMENDORF			05 - 110.90
ENA	USA-AK	KENAI KENAI Mun	117.6		19 - 108.90
TKA	USA-AK	TALKEETNA	114.3		
PHX	USA-AZ	PHOENIX	120.7		26L - 108.30
PHX	USA-AZ	PHOENIX	120.7		08R - 108.30
TUS	USA-AZ	TUCSON Int'l	116.0		
TUS	USA-AZ	TUCSON Int'l	116.0		
N/A	USA-CA	CLEARLAKE		371	15 - 109.10
N/A	USA-CA	LONG BEACH	115.7	233	24 - 108.90
N/A	USA-CA	LONG BEACH	115.7	233	20 - 110.30
LAX	USA-CA	LOS ANGELES	113.6		06R - 111.70
LAX	USA-CA	LOS ANGELES	113.6		25L - 109.90
LAX	USA-CA	LOS ANGELES	113.6		07R - 111.10
OAK	USA-CA	OAKLAND Int'l	116.8		11 - 111.90

OAK	USA-CA	OAKLAND Int'l	116.8		27R - 109.90
OAK	USA-CA	OAKLAND Int'l	116.8		
OAK	USA-CA	OAKLAND Int'l	116.8		29 - 108.70
SMC	USA-CA	SACRAMENTO	115.2	230	16R - 111.15
SMC	USA-CA	SACRAMENTO	115.2	400	34L - 111.10
SMC	USA-CA	SAN DIEGO	111.4		09 - 110.90
SFO	USA-CA	SAN FRANCISCO	115.8		28L - 109.50
SFO	USA-CA	SAN FRANCISCO	115.8		28R - 111.70
SFO	USA-CA	SAN FRANCISCO	115.8		19L - 108.90
NZJ	USA-CA	SANTA ANA	117.2		
	USA-CA	SANTA BARBARA			
SMO	USA-CA	SANTA MONICA	110.8		
VNY	USA-CA	VAN NUYS	113.1		16R
OSI	USA-CA	WOODSIDE	113.9		
DEN	USA-CO	DENVER	112.8		16 - 110.70
BDL	USA-CT	BRADLEY Winds L.	109.0	388	24 - 111.10
BDL	USA-CT	BRADLEY Winds L.	109.0	388	06 - 110.10
BDL	USA-CT	BRADLEY Winds L.	109.0	388	33 - 108.55
BDR	USA-CT	BRIDGEPORT Sik	108.8		06 - 110.70
HFD	USA-CT	HARTFORD Brain	114.9	244	11/29
HFD	USA-CT	HARTFORD Brain	114.9	244	02 - 109.70
UXC	USA-CT	WATERBURY		257	36 - 109.50
N/A	USA-DC	ANDREWS AFB	113.1		19R - 110.50
N/A	USA-DC	ANDREWS AFB	113.1		01L - 111.50
IAD	USA-DC	WASHING Dul	113.5	385	19L - 110.15
IAD	USA-DC	WASHING Dul	113.5	385	12 - 109.30
IAD	USA-DC	WASHING Dul	113.5	385	19R - 111.30
IAD	USA-DC	WASHING Dul	113.5	385	01R - 110.10
IAD	USA-DC	WASHING Dul	113.5	385	01L - 111.30
DCA	USA-DC	WASHING Int'l	111.0	212	36 - 109.90
DCA	USA-DC	WASHING Int'l	111.0	212	18 - 109.95
PIE	USA-FL	CLEARWATER	116.4		
DAB	USA-FL	DAYTONA BCH	112.6		07L - 109.10
FLL	USA-FL	FT LAUDERDALE	114.4		08 - 111.10
JAX	USA-FL	JACKSONVILLE	108.9	344	13 - 108.90
JAX	USA-FL	JACKSONVILLE	108.9	344	07 - 110.70
EYW	USA-FL	KEY WEST	113.5		
MIA	USA-FL	MIAMI	115.9	365	09L - 110.30
MIA	USA-FL	MIAMI	115.9	365	27L - 109.50
MIA	USA-FL	MIAMI	115.9	365	12 - 108.90

orl	USA-FL	ORLANDO	112.2	269	14 - 109.90
PBI	USA-FL	PALM BEACH	115.7	356	09L - 119.90
PIE	USA-FL	ST PETERSBURG	116.4		17L - 109.10
TPA	USA-FL	TAMPA	118.5	368	18L - 110.30
TPA	USA-FL	TAMPA	118.5	368	18R - 108.50
TPA	USA-FL	TAMPA	118.5	368	36L - 108.90
TPA	USA-FL	TAMPA	118.5	368	36R - 110.30
PBI	USA-FL	WEST PALM BCH	115.7		109.30
ATL	USA-GA	ATLANTA	116.9	365	08R - 109.90
HZK	USA-GA	ATLANTA	116.9	365	09L - 110.50
FSQ	USA-GA	ATLANTA	116.9	365	27L - 110.10
GXZ	USA-GA	ATLANTA	116.9	365	26R - 110.10
BRU	USA-GA	ATLANTA	116.9	365	26L - 108.70
FUN	USA-GA	ATLANTA	116.9	365	09R - 108.90
AFA	USA-GA	ATLANTA	116.9	365	27R - 111.30
HFW	USA-GA	ATLANTA	116.9	365	08L - 109.30
SAV	USA-GA	SAVANNAH Int'l	112.7		09 - 109.90
HNL	USA-HAW	HONOLULU Haw	114.8		
SOK	USA-HAW	KAUAI Hawai	115.4		
ITO	USA-HAW	LYMAN FIELD Haw	112.1		15 - 112.00
CMI	USA-IL	CHAMPAIGN	110.0	407	32L - 109.10
ORD	USA-IL	CHICAGO O'Hare	113.9	257	09R - 110.50
ORD	USA-IL	CHICAGO O'Hare	113.9	394	22L - 110.1
ORD	USA-IL	CHICAGO O'Hare	113.9	368	09L - 111.10
ORD	USA-IL	CHICAGO O'Hare	113.9	414	27R - 110.50
ORD	USA-IL	CHICAGO O'Hare	113.9	385	32R - 110.70
N/A	USA-IL	KANKAKEE	111.6		
CGX	USA-IL	MEIGS	114.2		
CGX	USA-IL	MEIGS FIELD	113.9		
BTR	USA-LA	BATON ROUGE	116.5	284	22R - 108.70
BTR	USA-LA	BATON ROUGE	116.5	284	13 - 110.30
NBG	USA-LA	BELLE CHASSE	112.4		
BXA	USA-LA	BOGALUSA	112.2		18 - 111.10
LA8	USA-LA	COVINGTON	112.2		
LAS	USA-LA	COVINGTON	112.2		
L49	USA-LA	GALLIANO	113.5		
OR9	USA-LA	HAMMOND	109.6		18 - 111.52
HUM	USA-LA	HOUMA	112.0		18 - 108.52
MSY	USA-LA	N ORLEANS	113.2	221	08 - 111.90
MSY	USA-LA	N ORLEANS Int'l	113.2	338	01 - 111.70

MSY	USA-LA	N ORLEANS Int'l	113.2	338	10 - 109.90
MSY	USA-LA	N ORLEANS Int'l	113.2	338	28 - 109.95
LA3	USA-LA	N ORLEANS L/F	111.3		18R - 111.30
LA3	USA-LA	NEW ROADS	116.5		36 - 111.93
BOS	USA-MA	BOSTON Logan	112.7		33L - 110.70
BOS	USA-MA	BOSTON Logan	112.7		22L - 110.30
BOS	USA-MA	BOSTON Logan	112.7		27 - 111.30
BOS	USA-MA	BOSTON Logan	112.7		15R - 110.70
BOS	USA-MA	BOSTON Logan	112.7		04R - 110.30
MVY	USA-MA	MARTHA'S V/Y	108.2		24 - 108.70
ACK	USA-MA	NANTUCKET	116.2		24 - 109.10
BAL	USA-MD	BALTIMORE	115.1		09 - 109.90
N/A	USA-MD	MARYLAND			17 - 123.00
BGR	USA-ME	BANGOR	114.8	272	15 - 109.50
BGR	USA-ME	BANGOR	114.8	272	33 - 110.30
BED	USA-ME	BEDFORD			11 - 109.50
PQI	USA-ME	PRESQUE ISLE	116.4		10/28
PQI	USA-ME	PRESQUE ISLE	116.4		01/19
SFM	USA-ME	SANFORD		408	14/32
SFM	USA-ME	SANFORD		408	07 - 111.5
DTW	USA-MI	DETROIT M Wyn	115.7	388	21R - 110.75
DTW	USA-MI	DETROIT M Wyn	115.7	388	03R - 111.50
DTW	USA-MI	DETROIT M Wyn	115.7	388	21L - 111.50
DTW	USA-MI	DETROIT M Wyn	115.7	388	03L - 110.70
MSP	USA-MN	MINNEAPOLIS			11L - 110.70
MSP	USA-MN	MINNEAPOLIS			29R - 109.90
MSP	USA-MN	MINNEAPOLIS			29L - 110.30
STL	USA-MO	ST LOUIS	116.0		
MHT	USA-NH	MANCHESTER	114.4		35 - 109.10
PVO	USA-NJ	ATLANTIC CITY	108.6	350	13 - 108.10
PIY	USA-NJ	ATLANTIC CITY	108.6	350	31 - 108.00
PIY	USA-NJ	ATLANTIC CITY	108.6	350	04 - 108.20
EWR	USA-NJ	NEWARK			11/09
EWR	USA-NJ	NEWARK			04L - 108.70
EWR	USA-NJ	NEWARK			22L - 108.70
ABQ	USA-NM	ALBUQUERQUE	113.2		08 - 111.90
LAS	USA-NV	LAS VEGAS	116.9		25 - 110.30
FMG	USA-NV	RENO	117.9		
ALB	USA-NY	ALBANY	112.4	219	11 - 109.55
ALB	USA-NY	ALBANY	112.4	219	01 - 109.55

BUF	USA-NY	BUFFALO	116.4	215	23 - 111.3
ISP	USA-NY	ISLIP McArt LngIsl			24 - 108.30
ISP	USA-NY	ISLIP McArt LngIsl			33
ISP	USA-NY	ISLIP McArt LngIsl			06 - 108.30
IHT	USA-NY	ITHACA		266	32 - 108.70
JFK	USA-NY	NEW YORK Ken	115.9	226	22R - 109.50
JFK	USA-NY	NEW YORK Ken	115.9	226	04R - 109.50
JFK	USA-NY	NEW YORK Ken	115.9	226	13L - 111.50
JFK	USA-NY	NEW YORK Ken	115.9	226	04L - 110.90
JFK	USA-NY	NEW YORK Ken	115.9	226	22L - 110.90
JFK	USA-NY	NEW YORK Ken	115.9	226	31R - 111.50
LGA	USA-NY	NEW YORK LGA	113.1	233	04 - 110.50
LGA	USA-NY	NEW YORK LGA	113.1	233	13 - 108.50
LGA	USA-NY	NEW YORK LGA	113.1	233	22 - 110.50
ROC	USA-NY	ROCHESTER		216	04 - 110.70
ROC	USA-NY	ROCHESTER		216	28 - 109.50
ROC	USA-NY	ROCHESTER		216	22 - 110.70
SYR	USA-NY	SYRACUSE			28 - 109.90
SYR	USA-NY	SYRACUSE			10 - 109.90
HPN	USA-NY	WHITE PLAINS			16 - 109.70
AKR	USA-OH	AKRON	113.4	362	01 - 109.50
AKR	USA-OH	AKRON			23 - 108.30
CLE	USA-OH	CLEVELAND Hk	110.2	344	05R - 111.90
CLE	USA-OH	CLEVELAND Hk	110.2	344	28 - 110.70
CLE	USA-OH	CLEVELAND Hk	110.2	344	23L - 109.90
TOL	USA-OH	TOLEDO		219	25 - 108.7
TUL	USA-OK	TULSA	114.4		36R
TUL	USA-OK	TULSA	114.4		18L
EUG	USA-OR	EUGENE	112.9		
OED	USA-OR	MEDFORD	113.6		
SPD	USA-OR	PORTLAND Int'l	116.6	332	28R - 111.30
SPD	USA-OR	PORTLAND Int'l	116.6	257	20 - 108.90
SPD	USA-OR	PORTLAND Int'l	116.6		10R - 109.90
CXY	USA-PA	HARRISBURG			11 - 110.90
CXY	USA-PA	HARRISBURG			31 - 110.90
PHL	USA-PA	PHILLY Int'l	128.4	219	27L - 109.35
PHL	USA-PA	PHILLY Int'l	128.4	219	27R - 109.30
PIT	USA-PA	PITTSBURGH			28L - 108.90
BID	USA-RI	BLOCK ISLAND	117.2	216	10/28
PVD	USA-RI	PROVIDENCE	115.6		05R - 109.30

CHS	USA-SC	CHARLESTON	113.5	208	33 - 108.90
CHS	USA-SC	CHARLESTON	113.5	208	15 - 109.70
MEM	USA-TN	MEMPHIS		362	18R - 109.90
MEM	USA-TN	MEMPHIS		362	27 - 108.70
ABI	USA-TX	ABILENE	113.7	338	27 - 111.90
ABI	USA-TX	ABILENE	113.7	338	36 - 110.30
ABI	USA-TX	ABILENE	113.7	338	18 - 109.50
DFW	USA-TX	DALLAS Ft. Worth	117.0		18L - 111.30
DFW	USA-TX	DALLAS Ft. Worth	117.0		31R - 110.90
DFW	USA-TX	DALLAS Ft. Worth	117.0		13R - 109.50
DLF	USA-TX	DALLAS Love Fld			18L - 111.90
DLF	USA-TX	DALLAS Love Fld			31R - 110.35
IAH	USA-TX	HOUSTON	116.6		14L - 111.90
IAH	USA-TX	HOUSTON	116.6		09 - 110.90
IAH	USA-TX	HOUSTON	116.6		08 - 109.70
IAH	USA-TX	HOUSTON	116.6		27 - 110.90
SAT	USA-TX	SAN ANTONIO	116.8		12R - 110.90
PVU	USA-UT	PROVO	108.4		36
PVU	USA-UT	PROVO	108.4		13
PVU	USA-UT	PROVO	108.4		06
SLC	USA-UT	SALT LAKE CITY	116.8		16L - 110.70
SLC	USA-UT	SALT LAKE CITY	116.8		34L - 109.50
MPV	USA-VT	BARRE/MONT	112.4		17 - 108.70
BTV	USA-VT	BURLINGTON	117.5	257	15 - 110.30
PAE	USA-WA	EVERETT	110.6		
OLM	USA-WA	OLYMPIA	113.4		08
OLM	USA-WA	OLYMPIA	112.2		35
CLM	USA-WA	PORT ANGELES	122.8		
BFI	USA-WA	SEATTLE Boeing	116.8		
SEA	USA-WA	SEATTLE Tac	116.8		16R - 111.70
SEA	USA-WA	SEATTLE Tac	116.8		34R - 110.30
PAE	USA-WA	SNOHOMISH	114.2		11
PAE	USA-WA	SNOHOMISH	114.2		16
GEG	USA-WA	SPOKANE	115.5		

* Please type "*" in this column for cha

PLEASE FILL IN ANY MISSING DATA AND UPLOAD IT AS
OR:- Make corrected list in WordPerfect or whatever you prefer ar
incorporate these changes on the next revised file. Thanks!

ABREVIATIONS: AFR: Africa ASIA: Asian Contir
CAN: Canada CAR: Caribbean CNY: Canary Isls (With Af
EUR: Europe SAM: South Amer TAH: Tahiti
USA: United States HAW: Hawaii (With USA)

For ease of access, Ireland is included with U.K., Portugal with Spain, Malta with
ANY IDEAS OR COMMENTS?

Please leave me a message on CRS or FLIGHT 642, TORONTO, ONTARIO
You can sort File By ID, Country or City

ork, Ontario

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h "?" are not known.

COM	ATIS	ELEV	COORDS	LGT
***			*****	
118.7			1518N12229-E14027	11550
118.7			1518N12229-E14027	11550
118.0			52N9902-E6978	
118.8			78	
118.8			82	
121.2			170N1022-E5298	
			101N27.54 W15.42	
	118.8			
	121.4		216N20.24 W16.36	
121.4	121.0		2079N10066-E5929	
			N30.00 E32.00	
118.1			263N32.40 E13.09	
118.1			263N10372-E17577	
			N34.00 W06.48	
			N30.37 E32.18	
121.3			433N36.51 E10.13	
121.3			433N12187-E16471	
***			*****	
151.6			N22.15 E114.16	
151.6			N22.15 E114.16	
			N33.12 E44.12	
			N31.47 E35.13	
			N32.03 E34.46	
			N31.54 E35.54	
			49N17267-E31528	
			12N18201-E32787	
			139N18375-E32940	
			502N16653 E14014	

N56.15 E44.05
N55.45 E37.42
N40.00 E33.00

	114.5	3566N51.07 W113.53	12675
	114.5	3566N22140-E93334	12675
	114.5	3566N51.07 W113.53	8000
126.2		1775N54.24 W110.16	8300
126.2		1775N23309-E10677	12600
126.2		1775N54.24 W110.16	10000
118.3	128.0	2373N53.11 W113.52	11000
118.3	128.0	2373N53.11 W113.52	10200
118.5		2968N52.10 W113.53	3449
118.5		2968N22579-E94928	5528
		N22407-E7617	
119.9		1409N49.57 W119.22	7300
		93N49.03 W123.52	5000
126.7		425N49.50 W124.30	3627
122.5		116N54.17 W130.26	6000
126.7		79N49.03 W125.42	5000
118.7	114.8	17N49.04 W123.04	
118.7	114.8	17N49.04 W123.04	
118.7	114.8	17N49.04 W123.04	
119.1	118.8	63N48.43 W123.29	
119.1	118.8	63N48.43 W123.29	
119.1	118.8	63N48.43 W123.29	
119.1	118.8	63N48.43 W123.29	
122.5		1381N49.54 W 99.57	6500
122.5		1381	3000x75
118.3	114.8	820N49.55 W97.14	
118.3	114.8	820N49.55 W97.14	8700
118.3	114.8	820N20773-E13867	11000
118.3	114.8	820N49.55 W97.14	7000
		131N20240-E23879	6000
		111N20353 E23123	9900
		488N20337 E22199	4500
		65N19649-E22973	6000
		65N45.53 W66.25	5000
		172N20080-E23474	6000

		172N46.11 W64.34	3600
		172N46.11 W64.34	8000
118.5		357N19578-E23196	
118.5		494N45.24 W65.52	
118.5		357N45.24 W65.52	
126.2	119.1	496N22039-E25932	8900
126.2	119.1	496N22039-E25932	10500
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changes or additions made

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Italy, etc

Alfred Grech

