

1. KOREA-USA

<JAPAN>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
FUKUOKA (FUK/RJFF)	UTC+9 30'	H24	16L 34R 16R 34L	9186×197  8202 x 197	ILS, VOR ILS LOC LOC	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, PAPI-L HIRL, CL, PAPI-L	FUKUOKA APP(R) 119.65 FUKUOKA TOWER 118.4
KANSAI (KIX/RJBB)	UTC+9 17'	H24	06L 24R 06R 24L	13123×197  11483×197	ILS, LOC ILS, LOC ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ	KANSAI APP(R) 120.25/125.5 KANSAI TOWER 118.2/118.05/126.2
KUSHIRO (KUH/RJCK)	UTC+9 311'	H24	17 35	8202×148	ILS, LOC VOR	HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, SALS	SAPPORO CNTRL 128.32/134.25 KUSHIRO TOWER 118.05/126.2
NAGOYA (NGO/RJGG)	UTC+9 12'	H24	18 36	11483×197	ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, ALSF- II , PAPI-L HIRL, CL, ALSF- II , PAPI-L	CENTRAIR APP(R) 119.17 CTNTRAIR TOWER 118.85/126.2
NARITA (NRT/RJAA)	UTC+9 135'	H24	16L 34R 16R 34L	8202×197  13123×197	ILS, VORDME ILS, VORDME ILS, VORDME ILS, VORDME	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- II , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ	NARITA APP(R) 124.4/125.8/127.7 NARITA TOWER 118.2/118.35/122.7/ 126.2
HANEDA (HND/RJTT)	UTC+9 21'	H24	16L 34R 16R 34L 04 22 05 23	9843×197  9843×197  8202×197  8202×197	ILS, LOC  ILS, LOC, VOR  ILS, LOC, VOR  ILS, LOC	HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- II , PAPI-L HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL, REIL, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL HIRL, CL, TDZ, PAPI-L	TOKYO APP(R) 119.1/119.4/119.7 TOKYO TOWER 118.1/118.575/126. 2/118.725/118.8/12 4.35
SAPPORO, NEW CHITOSE (CTS/RJCC)	UTC+9 70'	H24	01L 19R 01R 19L	9843×197  9843×197	ILS, VOR, NDB ILS, VOR ILS, VOR VOR	HIRL, CL, PAPI-L, ALSF- I , TDZ HIRL, CL, PAPI-L, ALSF- II , TDZ HIRL, CL, PAPI-L, HIALS, TDZ HIRL, CL, PAPI-L, SSALS	CHITOSE APP(R) 120.1/124.7 CHITOSE TOWER 118.8/126.2
SENDAI (SDJ/RJSS)	UTC+9 6'	H24	09 27	9843×148	ILS, VORDME	HIRL, CL, PAPI-L, SSALS HIRL, CL, PAPI-L, HIALS, TDZ	SENDAI APP(R) 120.4 SENDAI TOWER 118.7/126.2

<PACIFIC>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RW Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
HONOLULU (HNL/PHNL)	UTC+10 13'	H24	08L 26R 08R 26L 04R 22L	12360×200 12000×200 9002×150	ILS  ILS, VOR	HIRL, PAPI-L, MALSR HIRL, PAPI-L, REIL HIRL, PAPI-L, REIL HIRL, PAPI-L, MALSF HIRL, PAPI-L, MALSR HIRL, PAPI-L, REIL	HONOLULU APP(R) 118.3 HONOLULU TOWER 118.1
MIDWAY (MDY/PMDY)	UTC+11 18'	H24	06 24	7800×150	NDB NDB	HIRL, REIL, PAPI-L HIRL, REIL, PAPI-L	MIDWAY RADIO 126.2
<USA >							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RW Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
EVERETT (PAE/KPAE)	UTC- 7 610'	H24	16R 34L	9010×150	ILS, VORDME	HIRL, CL, MALSR, PAPI-R HIRL, CL, MALSF, PAPI-L	SEATTLE CENTER(R) 128.5 PAINE TOWER CTAF - Arrival West of Centerline 132.95 - Arrival East of Centerline 120.2
LOS ANGELES (LAX/KLAX)	UTC- 7 126'	H24	06L 24R 06R 24L 07L 25R 07R 25L	8926×150 10885×150 12923×150 11095×200	ILS ILS, LOC ILS ILS, LOC ILS ILS, LOC ILS ILS, LOC	HIRL, CL, PAPI-L, MALSR HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, MALSR, TDZ HIRL, CL, PAPI-R, MALSR HIRL, CL, PAPI-L, MALSR, TDZ HIRL, CL, MALSR HIRL, CL, PAPI-L, MALSR HIRL, CL, ALSF-II, TDZ	SOCAL APP(R) - 225° ~ 044°124.5 - 045° ~ 089°128.5 - 090° ~ 224°124.9 LOS ANGELES TOWER - NORTH COMPLEX 133.9 - SOUTH COMPLEX 120.95
MOSES LAKE (MWH/KMWH)	UTC- 7 1189'	H24	14L 32R	13503×200	VOR ILS, VOR	HIRL, PAPI-L, REIL HIRL, PAPI-L, MALSR	GRANT CO APP(R) 126.4 GRANT CO TOWER 128.0/118.25
OAKLAND (OAK/KOAK)	UTC- 7 9'	H24	12 30	10520×150	ILS ILS, VORDME	HIRL, CL, PAPI-L, MALSR HIRL, CL, PAPI-L, ALSF-II, TDZ	NORCAL APP(R) 125.35 OAKLAND TOWER 118.3
PORTLAND (PDX/KPDX)	UTC- 4 31'	H24	10L 28R 10R 28L	9825×150 11000×150	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, PAPI-L, MALSR HIRL, CL, PAPI-R, MALSR HIRL, CL, PAPI-R, ALSF-II, TDZ HIRL, CL, PAPI-L, MALSR	PORTLAND APP(R) 124.35 PORTLAND TOWER - RWYs 10L/28R 118.7 - RWYs 10R/28L 123.775
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RW Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
SAN FRANCISCO (SFO/KSFO)	UTC- 7 13'	H24	10L 28R 10R 28L 01R	11870×200 11381×200	ILS, LOC  ILS, LOC	HIRL, CL, PAPI-L, REIL HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L HIRL, CL, PAPI-L, MALSR HIRL, CL, REIL	NORCAL APP(R) 134.5 SAN FRANCISCO TOWER 120.5

			19L	8650×200	ILS, VOR	HIRL, CL, PAPI-L, MALSF, TDZ	
SEATTLE, BOEING FLD (BFI/KBFI)	UTC- 7 21'	H24	13R 31L	10007×200	ILS, LOCDME ILS	HIRL, PAPI-L, MALSF HIRL, PAPI-L, REIL	SEATTLE APP(R) 119.2 BOEING TOWER 120.6
SEATTLE, TACOMA (SEA/KSEA)	UTC- 7 433'	H24	16L 34R 16C 34C 16R 34L	11901×150 9426×150 8500×150	ILS, LOC ILS, LOCDME ILS, LOC ILS, LOCDME ILS, LOC ILS, LOC	HIRL, CL, PAPI-L, TDZ, ALSF-II HIRL, CL, PAPI-L, TDZ, MALSR HIRL, CL, PAPI-L, TDZ, ALSF-II HIRL, CL, PAPI-L, MALSR HIRL, CL, PAPI-R, TDZ, ALSF-II HIRL, CL, PAPI-L, MALSR	SEATTLE APP(R) 119.2 SEATTLE TOWER -RWY 16R/34L 120.95 -RWY 16L/34R, 16C/34C 119.9
SPOKANE (GEG/KGEG)	UTC- 2385' 7	H24	03 21 08 26	11002×150 8199×150	ILS, VOR ILS, LOC	HIRL, CL, ALSF-II, TDZ, PAPI-L HIRL, CL, ALSF-II, TDZ, PAPI-L MIRL, REIL, VASI-L MIRL, REIL, PAPI-L	SPOKANE APP(R) 133.35 SPOKANE TOWER 118.3
CHIGAGO (ORD/KORD)	UTC- 5 672'	H24	09C 27C 09R 27L 10L 28R 10C 28C	11245×200 11260×150 13000×150 10800×200	ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, MALSR, TDZ HIRL, CL, PAPI-R, ALSF-II, TDZ HIRL, CL HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, ALSF-II, TDZ	CHICAGO APP(R) 119.0 O'HARE TOWER 126.9/120.75 - ALTERNATE 132.7
NEW YORK (JFK/KJFK)	UTC- 4 14'	H24	13L 31R 13R 31L 04L 22R	10000×200 14511×200 12079×200	ILS, VOR ILS, LOC VOR ILS, VOR ILS, VOR ILS	HIRL, CL, VASI, ALSF-II, TDZ HIRL, CL, MALSR, TDZ HIRL, CL, PAPI-L HIRL, CL, PAPI-L HIRL, CL, PAPI-L HIRL, CL	NEW YORK APP(R) 127.4 KENNEDY TOWER - RWY04R/22L & 13L/31R 119.1 - RWY04L/22R & 13R/31L 123.9

<CANADA >

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
CALGARY (YYC/CYYC)	UTC- 6 3557'	H24	17L 35R 17R 35L	14000×200 12675×200	ILS, NDB ILSDME ILS, NDBDME ILS, NDB	HIRL, ALSF-II, TDZ, PAPI-L HIRL, ALSF-II, TDZ, PAPI-L HIRL, SSALR, PAPI-R HIRL, SSALR, PAPI-L	CALGARY ARRIVAL 125.9 CALGARY TOWER 118.3
EDMONTON (YEG/CYEG)	UTC- 6 2373'	H24	02 20 12 30	10995×200 10200×200	ILS, NDB LOC, NDB ILS, NDB ILS, NDB	HIRL, SSALR HIRL, PAPI-L, ODALS, REIL HIRL, SSALR HIRL, PAPI-L, SSALR	EDMONTON ARRIVAL 120.5 EDMONTON TOWER 118.3
MONTREAL (YUL/CYUL)	UTC- 4 118'	H24	06L 24R 06R 24L	11000×200 9890×200	ILSDME, LOCDME ILSDME, LOCDME ILSDME, LOCDME ILS, LOCDME	HIRL, CL, ALSF-II, TDZ HIRL, CL, SSALR HIRL, SSALR, PAPI-L HIRL, SSALR	MONTREAL ARRIVAL 118.9 MONTREAL TOWER 119.9/119.3/124.3
TORONTO (YYZ/CYYZ)	UTC- 4 569'	H24	05 23 15L	11120×200	ILS ILS ILS	HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, SSALR HIRL, CL, PAPI-L, SSALR	TORONTO ARRIVAL - 124.47/125.4/132.8 TORONTO TOWER 118.35/118.7

			33R 15R 33L 06L 24R 06R 24L	11050×200 9088×200 9697×200 9000×200	ILSDME, LOC ILSDME, LOCDME ILSDME, LOCDME ILSDME, LOCDME ILSDME, LOCDME	HIRL, CL, PAPI-L, SSALR HIRL, PAPI-R, SSALR HIRL, PAPI-L, SSALR HIRL, CL, PAPI-L, ALSF-II, TDZ HIRL, CL, PAPI-L, SSALR, TDZ HIRL, CL, PAPI-L, SSALR HIRL, CL, PAPI-L, SSALR	
VANCOUVER (YVR/CYVR)	UTC- 7 14'	H24	08L 26R 08R 26L	9941×200 12,188×200	ILSDME ILSDME ILSDME, NDBDME ILS, NDB	HIRL, CL, ALSF-II, TDZ, PAPI-L HIRL, CL, ALSF-II, TDZ, PAPI-L HIRL, CL, ALSF-II, TDZ, PAPI-L HIRL, CL, ALSF-II, TDZ, PAPI-L	VANCOUVER ARRIVAL - OUTER 128.6 INNER 133.1 VANCOUVER TOWER - SOUTH 118.7 NORTH 119.55
COMOX (YQQ/CYQQ)	UTC-8 84'	H24	12 30	9960×200	ILS ILSDME	HIRL, SSALR, PAPI-R HIRL, SSALR, PAPI-R	COMOX ARRIVAL 134.1 COMOX TOWER 126.2
CHURCHILL (YYQ/CYYQ)	UTC-6 96'	H24	15 33	9195×160	ILS	HIRL, REIL, PAPI-L HIRL, SSALR	CHURCHI Radio 126.9
YELLOWKNIFE (YZF/CYZF)	UTC-7 675'	H24	16 34	7503×150	LOCDME ILS	HIRL, REIL, PAPI-L HIRL, HIALS	YELLOWKNIFE TOWER 118.5

<RUSSIA>

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
ANADYR (DYR/UHMA)	UTC+12 194'	H24	01 19	11483×197	ILS, NDB ILS, NDB	RL, CL, PAPI-L, HIALS-II, TDZ RL, CL, PAPI-L, HIALS	ANADYR APP 124.0 ANADYR TOWER 124.0
MAGADAN (GDX/UHMM)	UTC+11 574'	H24	10 28	11325×195	ILS, NDB NDB	HIRL, PAPI-L, HIALS HIRL, PAPI-L, ALS	MAGADAN APP(R) 126.9/124.0 MAGADAN TOWER 120.8
PETROPAVLOVSK- KAMCHATSKY (PKC/UHPP)	UTC+12 131'	H24	16R 34L	11155×197	ILS, NDB	HIRL, CL, HIALS, PAPI-L HIRL, HIALS-II, PAPI-L	PETROPAVLOVSK TOWER 118.1
YUZHNO-SAKHALI NKS (UUS/UHSS)	UTC+11 59'	H24	01 19	11158×148	ILS, NDB ILS, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	YUZHNO/SAKHALINSK TOWER 122.0
KHABAROVSK (KHV/UHHH)	UTC+10 244'	H24	05L 23R 05R 23L	11483×148 13123×197	PAR, VORDME PAR, VORDME ILS, PAR ILS, PAR	RL, ALS, PAPI-L, HIALS RL, ALS, PAPI-L HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II	KHABAROVSK APP(R) 360°- 138°125.2 138°- 360°129.3 KHABAROVSK START 119.3
YAKUTSK (YKS/UEEE)	UTC+9 326'	H24	05R 23L	11148×197	NDB ILS, NDB	HIRL, CL, ALS, PAPI-L HIRL, CL, HIALS-II, TDZ, PAPI-L	YAKUTSK APP 129.3 YAKUTSK START 120.0

<CHINA>

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
BEIJING (PEK/ZBAA)	UTC + 8 115'	H24	18L 36R 18R	12467×197	ILS ILS ILS	HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L, TDZ Z	BEIJING APP(R) 120.6 BEIJING TOWER RWY18R/36L 124.3

			36L 01 19	10499×164  12467×197	ILSDME ILSDME ILSDME	HIRL, CL, ALSF-II, PAPI-L, TD Z HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L, TD Z HIRL, CL, HIALS, PAPI-L, SFL	RWY18L/36R 118.5 RWY01/19 118.6
HARBIN (HRB/ZYHB)	UTC+8 456'	H24	05R 23L 05L 23R	11,811×148  10,499×148	I L S D M E , VORDME I L S D M E , VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	HARBIN APP 119.65/127.75 HARBIN TOWER 118.7

2. KOREA-EUROPE

<CHANA /MONGOLIA>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	DIR	LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
BEIJING (ZBAA/PEK)	UTC + 8 115'	H24	18L 36R 18R 36L 01 19	12467×197  10499×164  12467×197	ILS ILS ILS ILSDME ILSDME ILSDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, HIALS, PAPI-L	BEIJING APP(R) 119.0/126.1/120.6/119.7 BEIJING TOWER RWY18R/36L 124.3 RWY18L/36R 118.5 RWY01/19 118.6
TAIYUAN (ZBYN/TYN)	UTC + 8 2579'	H24	13 31	11811×148	ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	TAIYUAN APP 119.2/125.55 TAIYUAN TOWER 118.25
TIANJIN (ZBTJ/TSN)	UTC + 8 13'	H24	16L 34R 16R 34L	10499×148  11811×197	ILSDME ILSDME ILSDME, VORDME ILSDME, VORDME	HIRL, CL, ALSF-II, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	TIANJIN APP 127.9 TIANJIN TOWER 118.2
ULAANBAATAR (ZMUB/ULN)	UTC + 8 4364'	H24	14 32	10171×148	ILS, VORDME, NDBDME	HIRL, HIALS, PAPI-L HIRL	ULAANBAATAR APP 120.0 ULAANBAATAR TOWER 132.7
ULAANBAATAR (ZMCK/UBN)	UTC + 8 4485'	H24	11 29	11811×148	ILSDME, LOC, RNP, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	ULAANBAATAR APP 120.0 ULAANBAATAR TOWER 129.0
<RUSSIA/CIS>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
ABAKAN (UNAA/ABA)	UTC + 7 831'	H24	02R 20L	10663×148	ILS, NDB ILS, NDB	RL, ALS RL, ALS	ABAKAN APP(R) 134.3 ABAKAN Tower 134.3
BARNAUL (UNBB/BAX)	UTC + 6 838'	H24	06 24	9360×164	ILS, NDB ILS, NDB	HIRL, PAPI-L, ALS HIRL, PAPI-L, HIALS	BARNAUL APP 123.5 BARNAUL TOWER 123.5
BRATSK (UIBB/BTK)	UTC + 8 1611'	H24	12 30	10367×197	VORDME, NDB ILS, VORDME, NDB	HIRL, ALS HIRL, HIALS, PAPI-L	BRATSK RADAR 118.1 BRATSK TOWER 121.8
IRKUTSK (UIII/IKT)	UTC + 8 1688'	H24	12 30	11696×148	ILS, VORDME, NDB ILS, VORDME, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	IRKUTSK APP(R) 125.2 IRKUTSK TOWER 118.1
KAZAN (UWKD/KZN)	UTC + 3 413'	H24	11 29	12303×148	ILS, NDB ILS, NDB	HIRL, PAPI-L, HIALS HIRL, PAPI-L, HIALS-II	KAZAN APP(R) 119.4 KAZAN TOWER 120.3
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
KEMEROVO (UNEE/KEJ)	UTC + 6	H24	05 23	10499×197	NDB ILS, NDB	HIRL, PAPI-L, ALS HIRL, PAPI-L, HIALS	KEMEROVO APP(R) 125.5 PULKOVO TOWER 118.3

	873'						
KHANTY-MANSIYSK (USHH/HMA)	UTC + 5 140'	H24	06 24	9186×148	ILS, NDB ILS, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	KHANTYM RADAR 120.4 KHANTYM TOWER 118.1
KRASNOYARSK (UNKL/KJA)	UTC + 7 942'	H24	11 29	12139×197	ILS, VORDME, NDB ILS, VORDME, NDB	HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS-II	KRASNOYARSK APP 127.7 KRASNOYARSK TOWER 118.3
MAGNITOGORSK (USCM/MQF)	UTC + 5 1431'	H24	01 19	10,663×148	ILS, VORDME, NDB ILS, VORDME, NDB	HIRL, ALS HIRL, HIALS, PAPI-L	MAGNITOGORSK TOWER 120.8
M O S C O W , DOMODEDOVO (UDD/DME)	UTC + 3 593'	H24	13L 31R 13C 31C 13R 31L	12467×197 7776×174 11483×197	ILS, LOC, VOR, NDB ILS, LOC, VOR, NDB	HIRL, CL, ALSFII, TDZ, PAPI-L HIRL, CL, ALSFII, TDZ, PAPI- HIRL HIRL, CL, ALSFII, TDZ, PAPI-L HIRL, CL, ALSFI, PAPI-L	DOMODEDOVO APP 120.6 DOMODEDOVO TOWER 119.7
MOSCOW, SHEREMETYEVO (UJEE/SVO)	UTC + 3 630'	H24	06R 24L 06L 24R 06C 24C	12139×197 11654×197 10499×197	ILS, PAR, NDB ILS, PAR, NDB ILS, PAR, NDB ILS, PAR, NDB ILS, PAR, NDB	HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II	SHEREMETYEVO APP1/2(R) 119.3/123.7 SHEREMETYEVO TOWER 118.7/120.7/131.5/120.7
MOSCOW, VNUKOVO (UWWW/VKO)	UTC + 3 686'	H24	01 19 06 24	10039×197 11483×197	ILS, PAR, NDB ILS, PAR, NDB ILS, PAR, NDB ILS, PAR, NDB	HIRL, PAPI-L, CL, HIALS HIRL, PAPI-L, CL, HIALS-II HIRL, PAPI-L, CL, HIALS HIRL, PAPI-L, CL, HIALS-II	MOSCOW APP3/4 128.0/123.4 VNUKOVO APP 122.3 VNUKOVO TOWER 118.3
NOVOSIBIRSK (UNNT/OVB)	UTC + 6 368'	H24	07 25 16 34	11801×197 11818×148	ILS, NDB ILSDME, NDB ILSDME, NDB ILSDME, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L HIRL, PAPI-L, CL, HIALS-II HIRL, PAPI-L, CL, HIALS	NOVOSIBIRSK APP 127.5 NOVOSIBIRSK TOWER 118.5
SAMARA (UWWW/KUF)	UTC + 4 477'	H24	15 33 05 23	9846×148 8379×197	ILS, NDB ILS, NDB PAR, NDB ILS, PAR, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS HIRL HIRL, HIALS, PAPI-L	SAMARA APP(R) 118.7/124.6 SAMARA TOWER 118.2
ST PETERSBURG (ULLI/LED)	UTC + 3 79'	H24	10R 28L 10L 28R	12402×197 11145×197	ILS, NDB ILS, NDB ILS, NDB ILS, NDB	HIRL, CL, HIALS-II, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS-II, PAPI-L HIRL, CL, HIALS-II, PAPI-L	PETERSBURG APP(R) 119.3/125.2 PULKOVO TOWER 118.1
SYKTYVKAR (UYY/SCW)	UTC + 3 338'	H24	01 19	8212×164	ILS, NDB ILS, NDB	HIRL, ALS HIRL, ALS, PAPI-L	SIVKAR TOWER 124.6
TYUMEN (USTR/TJM)	UTC + 5 377'	H24	03 21 12 30	9846×148 8858X164	ILS, NDB ILS, NDB NDB NDB	HIRL, PAPI-L, ALS HIRL, PAPI-L, HIALS RL, ALS, PAPI-L RL, ALS, PAPI-L	TYUMEN APP 126.1 TYUMEN TOWER 118.2
UFA	UTC +	H24	14R	12339×148	ILS, NDB	HIRL, CL, HIALS-II	UFA APP 126.0

(UWUU/UFA)	5 448'		32L 14L 32R	8255×161	NDB ILS, NDB ILS, NDB	HIRL, CL, HIALS-II HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	UFA TOWER 120.9
ULAN UDE (UIUU/UUD)	UTC + 8 1693'	H24	08 26	11155×148	ILS, PAR, NDB	RL RL, HIALS, PAPI-L	ULAN UDE APP 129.3 ULAN UDE TOWER 118.1
ULYANOVSK (UWLW/ULY)	UTC + 4 253'	H24	02 20	16404×318	ILS, VORDME, NDB ILS, VORDME, NDB	HIRL, CL, HIALS HIRL, CL, HIALS	ULYANOVSK APP(R) 127.3 VOSTOCHNY TOWER 124.2
YEKATERINBURG (USSS/SVX)	UTC + 5 766'	H24	08L 26R 08R 26L	9856×148 9925×148	ILSDME, NDB ILS, NDB ILS, NDB ILS, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	KOLTSOVO APP(R) 125.9 KOLTSOVO TOWER 124.3
AKTOBE (UATT/AKX)	UTC + 5 738'	H24	13 31	10505×151	ILS, NDB ILS, NDB	HIRL, HIALS, PAPI-L HIRL, HIALS, PAPI-L	AKTOBE TOWER 120.9
ASTANA (UACC/TSE)	UTC + 6 1165'	H24	04 22	11483×148	ILS, VORDME, NDB ILS, VORDME, NDB	HIRL, CL, HIALS-II HIRL, CL, HIALS-II	ASTANA APP(R) 124.6 ASTANA TOWER 135.5
MINSK (UMMS/MSQ)	UTC + 2 670'	H24	13L 31R 13R 31L	12139×197 11946×197	ILS, VORDME, NDB ILS, VORDME, NDB ILS, LOC, NDB ILS, LOC, NDB	HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II	MINSK APP 125.9 MINSK TOWER RWY 13L/31R 130.4 RWY 13R/31L 118.3
KYIV (UKBB/KBP)	UTC + 2 427'	H24	18L 36R 18R 36L	13123×197 11483×207	ILS, VORDME, NDB ILS, VORDME, NDB ILS, NDB ILS, NDB	HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II HIRL, PAPI-L, HIALS HIRL, PAPI-L, HIALS	KYIV APP 125.72/124.67/128.17/120.9 BORYSPIL TOWER RWY 18L/36R 119.3 RWY 18R/36L 119.650

3. KOREA-CENTRAL ASIA

<CHINA>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RW Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
BEIJING (PEK/ZBAA)	UTC+ 8 115'	H24	18L 36R 18R 36L 01 19	12467×197 10499×164 12467×197	ILS ILS ILSDME ILSDME ILSDME ILSDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, HIALS, PAPI-L	BEIJING APP(R) 119.0/126.1/120.6/119.7 BEIJING TOWER 118.05
CHENGDU (CTU/ZUUU)	UTC+ 8 1680'	H24	02L 20R 02R 20L	11811×148 11811×197	ILS, LOC, VOR ILS, LOC, VOR ILS, LOC ILS, LOC	HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS	CHENGDU APP 119.7 CHENGDU TOWER 123.0
CHONGQING (CKG/ZUCK)	UTC+ 8 1365'	H24	02L 20R 02R 20L 03L 21R 03R 21L	10499×148 11811×148 12467×197 11155×148	ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, SFL HIRL, CL, HIALS-II, SFL, TDZ HIRL, CL, HIALS, SFL HIRL, CL, HIALS, SFL	CHONGQING APP 125.2 CHONGQING TOWER 118.2
GUILIN (KWL/ZGKL)	UTC+ 8 571'	H24	01 19	10499×148	ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	LIANGJIANG TOWER 118.0
HONGQIAO (SHA/ZSSS)	UTC+ 8 10'	H24	18L 36R 18R 36L	11155×148 10827×197	ILSDME, VORDME ILSDME, VORDME ILSDME ILSDME, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-R HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-R	SHANGHAI APP(R) 120.3/125.4 HONGQIAO TOWER 118.1/118.65
KUNMING (KMG/ZPPP)	UTC+ 8 6903'	H24	03 21 04 22	13123×148 14764×197	ILSDME, VORDME ILSDME, NDBDME ILSDME ILSDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	KUNMING APP 120.35 KUNMING TOWER 130.6
NANJING (NKG/ZSNJ)	UTC+ 8 49'	H24	06 24	11811×148	ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	NANJING APP 119.25 NANJING TOWER 118.85
LANZHOU (LHW/ZLLL)	UTC+ 8 6388'	H24	01 19 18L 36R	13123 ×148 13123 ×148	ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, PALS, SFL, PAPI-L HIRL, CL, PALS, SFL, PAPI-L HIRL, CL, PALS, SFL, PAPI-L HIRL, CL, PALS, SFL, PAPI-L	LANZHOU TOWER 118.4
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RW Y DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
PUDONG (PVG/ZSPD)	UTC+ 8 13'	H24	16L 34R 16R 34L	12467×197 12467×197	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, HIALS, SFL, PAPI-L HIRL, CL, HIALS, SFL, PAPI-L HIRL, CL, HIALS, SFL, TDZ HIRL, CL, HIALS, SFL, TDZ	SHANGHAI APP(R) 120.3/125.4/125.85/123.8 PUDONG TOWER 118.8, 118.4

			17L 35R 17R 35L	13123×197  11155×197	ILS, LOC, VOR ILS, LOC, VOR ILS, LOC ILS, LOC	HIRL, CL, HIALS, SFL, TDZ HIRL, CL, HIALS, SFL, TDZ HIRL, CL, HIALS, SFL, PAPI-L HIRL, CL, HIALS, SFL, PAPI-L	
TAIYUAN (TYN/ZBYN)	UTC+ 8 2579'	H24	13 31	11811×147	ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	TAIYUAN APP 119.2 TAIYUAN TOWER 118.25
TIANJIN (TSN/ZBTJ)	UTC+ 8 13'	H24	16L 34R 16R 34L	10499×148  11811×197	ILSDME ILSDME ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS-II, PAPI-L HIRL, CL, HIALS-II, PAPI-L HIRL, CL, HIALS, PAPI-L HIRL, CL, HIALS, PAPI-L	TIANJIN APP 127.9 TIANJIN TOWER 118.2
URUMQI (URC/ZWWW)	UTC+ 8 2126'	H24	08L 26R 08R 26L	10499×148  11811×148	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, SFL, PAPI-L HIRL, CL, SFL, TDZ, PAPI-L HIRL, CL, SFL, PAPI-L HIRL, CL, SFL, TDZ, PAPI-L	DIWOPU APP 126.05 DIWOPU TOWER 118.1
WUHAN (WUH/ZHHH)	UTC+ 8 112'	H24	04 22 05L 23R 05R 23L	11155×148  11811×148  10499×148	ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, SFL, TDZ, PAPI-L HIRL, CL, SFL, PAPI-L HIRL, CL, SFL, TDZ, PAPI-L HIRL, CL, SFL, PAPI-L HIRL, CL, SFL, PAPI-L HIRL, CL, SFL, PAPI-L	WUHAN APP 121.2 WUHAN TOWER 124.35
XI'AN (XIY/ZLXY)	UTC+ 8 1572'	H24	05L 23R 05R 23L	12467×148  12467×197	ILSDME, NDBDME ILSDME, NDBDME ILSDME, VORDME ILSDME, VORDME	HIRL, CL, PAPI-L HIRL, CL, PAPI-L HIRL, CL, PAPI-L, SFL, TDZ HIRL, CL, PAPI-L, SFL	XIAN APP 125.1/119.6 XIANYANG TOWER 124.3

<CIS>

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
ALMATY (ALA/UAAA)	UTC+ 6 2234'	H24	05L 23R 05R 23L	14764×148  14436×148	ILSDME, VORDME ILSDME, VORDME ILSDME, VORDME ILSDME, VORDME	HIRL, CL, PAPI-L, HIALS HIRL, CL, PAPI-L, HIALS-II HIRL, PAPI-L, HIALS HIRL, PAPI-L, HIALS-II	ALMATY APP(R) 124.8 ALMATY TOWER(R) 119.4
ASTANA (NQZ/UACC)	UTC+ 6 1165'	H24	04 22	11483×148	ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, HIRLS-II, PAPI-L HIRL, CL, HIRLS-II, PAPI-L	ASTANA APP(R) 124.6 ASTANA TOWER 135.5
BISHKEK (FRU/UCFM)	UTC+ 6 2090'	H24	08 26	13793×180	ILSDME, VORDME ILSDME, VORDME	HIRL, CL, HIALS-II, PAPI-L HIRL, CL, HIALS-II, PAPI-L	BISHKEK APP(R) 124.6 BISHKEK TOWER 118.1
OSH (OSS/UCFO)	UTC+ 6 2928'	H24	12 30	10535×148	ILS, VOR	HIRL, HIALS, PAPI-L, SFL HIRL	OSH APP 124.2 OSH TOWER(R) 118.3
DUSHANBE (DYU/UTDD)	UTC+ 5 2574'	H24	09 27	10210×148	ILS, PAR, NDBDME PAR, NDBDME	RL, PAPI-L RL, PAPI-L	DUSHANBE APP(R) 127.1 DUSHANBE TOWER 119.2

KHUZHAND (LBD/UTDL)	UTC+ 5 1450'	H24	08 26	10433×164	ILS, PAR, NDB ILS, PAR, NDB	RL, HIALS, PAPI-L RL, ALS, PAPI-L	KHUZHAND APP(R) 124.8 KHUZHAND TOWER 120.3
TASHKENT (TAS/UTTT)	UTC+ 5 1416'	H24	08L 26R 08R 26L	13123×197  12812×148	ILS, LOC, VOR ILS, LOC ILS, LOC VOR	HIRL, CL, PAPI-L, HIALS-II HIRL, CL, PAPI-L, HIALS HIRL, HIALS, PAPI-L HIRL, MIALS, PAPI-L	TASHKENT APP(R) 125.2 TASHKENT TOWER 120.4

4. KOREA-AUSTRALIA

<JAPAN>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
KANSAI (KIX/RJBB)	UTC+ 9 17'	H24	06L 24R 06R 24L	13123×197  11483×197	ILS, LOC, ILS, LOC ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-II, PAPI-L HIRL, CL, ALSF-I, PAPI-L	KANSAI APP(R) 120.25, 125.5 KANSAI TOWER 118.2, 118.05, 126.2
NAGOYA (NGO/RJGG)	UTC+ 9 12'	H24	18 36	11483×197	ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, ALSF-II, PAPI-L HIRL, CL, ALSF-II, PAPI-L	CENTRAIR APP(R) 119.17 CENTRAIR TOWER 118.85, 126.2
NAHA (OKA/ROAH)	UTC+ 9 11'	H24	18L 36R 18R 36L	9843×148  8858×197	PAR PAR, ILS, LOC PAR, ILS, LOC PAR, ILS, LOC	HIRL, CL, PAPI-L, HIALS, TDZ HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L	OKINAWA APP(R) North 119.1 South 126.5 NAHA TOWER 118.1
NARITA (NRT/RJAA)	UTC+ 9 135'	H24	16L 34R 16R 34L	8202×197  13123×197	ILS, VORDME ILS, VORDME ILS, VORDME ILS, VORDME	HIRL, CL, HIALS, PAPI-L HIRL, CL, HIRLS, PAPI-L HIRL, CL, HIRLS, PAPI-L HIRL, CL, HIRLS, PAPI-L	TOKYO APP(R) 124.4, 125.8, 127.7 NARITA TOWER 118.35, 122.7, 126.2
HANEDA (HND/RJTT)	UTC+ 9 21'	H24	16L 34R 16R 34L 04 22 05 23	9843×197  9843×197  8202×197  8202×197	ILS, LOC, VOR ILS, LOC, VIS ILS, LOC, VOR ILS, LOC, VOR  ILS, LOC  ILS, LOC	HIRL, CL, SFL, TDZ, REIL HIRL, CL, SFL, TDZ, PAPI-R HIRL, CL, SFL, TDZ, PAPI-L HIRL, CL, SFL, TDZ, PAPI-L HIRL, CL, REIL, PAPI-L HIRL, CL, SFL, TDZ, REIL HIRL, CL RHIL, CL, SFL, TDZ, PAPI-L	TOKYO APP(R) 119.1, 119.4, 119.7, 126.5 TOKYO TOWER 118.1, 118.8, 124.35 118.57, 118.72
<PHILIPPINES>							
MANILA (MNL/RPLL)	UTC+ 8 75'	H24	06 24 13 31	11529×197  7379×148	ILS, VOR ILS, VOR VOR	HIRL, CL, PAPI, SFL HIRL, CL, PAPI, SFL HIRL, PAPI HIRL	MANILA APP(R) 121.1 MANILA TOWER 118.1
MACTAN CEBU (CEB/RPVM)	UTC+ 8 32'	00:00- 09:00	04L 22R 04R 22L	8399×148  10860×148	RNP RNP RNP RNP	HIRL, CL, SALS, PAPI, SFL HIRL, CL, SALS, PAPI, SFL HIRL, CL, SALS, PAPI, SFL HIRL, CL, SALS, PAPI, SFL	MACTAN APP(R) 124.7 MACTAN TOWER 118.1
DAVAO (DVO/RPMD)	UTC+ 8 96'	00:00- 09:00	05 23	9839×148	ILS, VOR ILS, VOR	HIRL, HIALS, PAPI HIRL, HIALS, PAPI	DAVAO APP 122.4 DAVAO TOWER 118.1
<PACIFIC>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
SAIPAN (SPN/PGSN)	UTC+10 215'	H24	07 25	8699×200	ILSDME, NDBDME NDBDME	HIRL, REIL, MALSR HIRL, REIL, PAPI-L	GUAM CENTER(R) 118.4 SAIPAN TOWER 125.7
AGANA (GUM/PGUM)	UTC+10 298'	H24	06L 24R	12014×150	ILS VOR, NDB	HIRL, MALSR, PAPI-L HIRL, PAPI-L	GUAM APP(R) 119.8 AGANA TOWER 118.1

			06R 24L	10014×150	ILS, LOC	HIRL, MALSR, PAPI-R HIRL, PAPI-L	
ANDERSEN (UAM/PGUA)	UTC+10 618'	H24	06L 24R 06R 24L	10528×200 11200×200	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, SALS, PAPI-L HIRL, ALSF, PAPI-L HIRL, ALSF, PAPI-L HIRL, SALS, PAPI-L	GUAM APP(R) 119.8 ANDERSEN TOWER 126.2
PORT MORESBY (POM/AYPY)	UTC+10 126'	H24	14L 32R	9022×150	ILS, LOC, VOR ILS, LOC, VOR	HIRL, REIL, PAPI HIRL, REIL, PAPI	JACKSONS APP(R) 125.8 JACKSONS TOWER 118.1
HONIARA (HIR/AGGH)	UTC+11 30'	21:00- 05:30	06 24	7218×148	VORDME VORDME, VOR	RL, ALS, PAPI-L RL, ALS, PAPI-L	HONIARA Inform 118.1

<INDONESIA>

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
MANADO (MDC/WAMM)	UTC+ 8 270'	23:00- 10:00	18 36	8694×148	ILS, LOC ILS, LOC	RL, HIALS, PAPI-L RL, HIALS, PAPI-L	MANADO APP 119.0 RATULANGI TOWER 118.1
BIAK (BIK/WABB)	UTC+ 9 46'	21:00- 11:00	11 29	11713×148	ILS, LOC, VOR, NDB	RL, PAPI-L, ALS RL, PAPI-L, ALS, REIL	BIAK APP(R) 121.2 FRANS TOWER 118.1

<AUSTRALIA>

AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
BRISBANE (BNE/YBBN)	UTC+10 13'	H24	01L 19R 01R 19L	10827×197 11680×148	ILS, LOC, VOR ILS, LOC, VOR ILS, LOC ILS, LOC	HIRL, CL, HIALS, PAPI HIRL, CL, HIALS, PAPI	BRISBANE APP(R) .Northwest : 124.7 .Southeast : 125.6 BRISBANE TOWER 120.5
CAIRNS (CNS/YBCS)	UTC+10 10'	H24	15 33	10485×148	ILS, LOC LOC	HIRL, PAPI, HIALS HIRL, PAPI	CAIRNS APP(R) 118.4 CAIRNS TOWER 124.9
CANBERRA (CBR/YSCB)	UTC+10 1886'	H24	17 35	10771×148	VOR ILS, LOC, VOR	HIRL, MIRL, CL, PAPI HIRL, MIRL, CL, PAPI, HIALS	CANBERRA APP(R) .EAST of RWY 17/35 :124.5 .WEST of RWY 17/35 :125.9 CANBERRA TOWER 118.7
DARWIN (DRW/YPDN)	UTC+10 103'	H24	11 29	11004×197	VOR, NDB ILS, LOC, VOR, NDB	HIRL, PAPI HIRL, PAPI, HIALS	DARWIN APP(R) EAST 125.2 WEST 134.1 DARWIN TOWER 133.1
MELBOURNE (MEL/YMML)	UTC+10 434'	H24	16 34 09 27	11998×197 7500×148	ILS, LOC, NDB VOR VOR ILS, LOC, VOR	HIRL, HIALS, TDZ, PAPI HIRL, CL, REIL, PAPI MIRL, PAPI HIRL, CL, HIALS, TDZ, PAPI	MELBOURNE APP(R) 132.0 MELBOURNE TOWER 120.5
SYDNEY (SYD/YSSY)	UTC+10 21'	H24	16R 34L 16L 34R 07	12999×148 7999×148	ILS, LOC ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, PAPI, HIALS, CL HIRL, PAPI, CL HIRL, PAPI, HIALS HIRL, PAPI, REIL HIRL, PAPI, REIL	SYDNEY APP(R) .North : 124.4 .South : 128.3 SYDNEY TOWER .RWY16R/34L & 07/25 :120.5

			25	8301×148	ILS, LOC	HIRL, PAPI	.RWY16L/34R :124.7
TOWNSVILL (TSV/YBTL)	UTC+10 18'	H24	01 19	7999×148	ILS, LOC VOR	MIRL, PAPI, ALS MIRL, PAPI	TOWNSVILLE APP(R) 126.8 TOWNSVILLE TOWER 118.3

5. KOREA-SAIPAN, GUAM

< JAPAN >							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
FUKUOKA (FUK/RJFF)	UTC+9 30'	H24	16L 34R 16R 34L	9186×197  8202 x 197	ILS, VOR ILS LOC LOC	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, PAPI-L HIRL, CL, PAPI-L	FUKUOKA APP(R) 119.65 FUKUOKA TOWER 118.4
KANSAI (KIX/RJBB)	UTC+9 17'	H24	06L 24R 06R 24L	13123×197  11483×197	ILS, LOC ILS, LOC ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ	KANSAI APP(R) 120.25/125.5 KANSAI TOWER 118.2/118.05/126.2
NAGOYA (NGO/RJGG)	UTC+9 12'	H24	18 36	11483×197	ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, ALSF- II , PAPI-L HIRL, CL, ALSF- II , PAPI-L	CENTRAIR APP(R) 119.17 CTNTRAIR TOWER 118.85/126.2
NAHA (OKA/ROAH)	UTC+ 9 11'	H24	18L 36R 18R 36L	9843×148  8858×197	PAR PAR, ILS, LOC PAR, ILS, LOC PAR, ILS, LOC	HIRL, CL, PAPI-L, HIALS, TDZ HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L	OKINAWA APP(R) North 119.1 South 126.5 NAHA TOWER 118.1
NARITA (NRT/RJAA)	UTC+9 135'	H24	16L 34R 16R 34L	8202×197  13123×197	ILS, VORDME ILS, VORDME ILS, VORDME ILS, VORDME	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- II , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ	NARITA APP(R) 124.4/125.8/127.7 NARITA TOWER 118.2/118.35/122.7/126.2
HANEDA (HND/RJTT)	UTC+9 21'	H24	16L 34R 16R 34L 04 22 05 23	9843×197  9843×197  8202×197  8202×197	ILS, LOC  ILS, LOC, VOR  ILS, LOC, VOR  ILS, LOC	HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- II , PAPI-L HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL, REIL, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL HIRL, CL, TDZ, PAPI-L	TOKYO APP(R) 119.1/119.4/119.7 TOKYO TOWER 118.1/118.575/126.2/118.725/118.8/124.35

< TAIWAN >							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
TAIPEI (TPE/RCTP)	UTC+2 176'	H24	05L 23R 05R 23L	12008×197  12467×197	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, CL, PAPI-L, ALSF-II HIRL, CL, PAPI-L, ALSF-II HIRL, CL, PAPI-L, ALSF-II HIRL, CL, PAPI-L, ALSF-II	TAIPEI APP(R) 125.1 128.5 TAIPEI TOWER 118.7
KAOHSIUNG (KHH/RCKH)	UTC+2 31'	H24	09 27	10335×197	ILS, LOC, NDB ILS, LOC, NDB	HIRL, CL, PAPI-L, MALSR HIRL, CL, PAPI-R, REIL	KAOHSIUNG APP(R) 121.1 124.7 125.7 TOWER 118.7, 120.7

<PACIFIC>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
SAIPAN (SPN/PGSN)	UTC+10 215'	H24	07 25	8699×200	ILSDME, NDBDME NDBDME	HIRL, REIL, MALSR HIRL, REIL, PAPI-L	GUAM CENTER(R) 118.4 SAIPAN TOWER 125.7
AGANA (GUM/PGUM)	UTC+10 298'	H24	06L 24R 06R 24L	12014×150  10014×150	ILS VOR, NDB ILS, LOC	HIRL, MALSR, PAPI-L HIRL, PAPI-L HIRL, MALSR, PAPI-R HIRL, PAPI-L	GUAM APP(R) 119.8 AGANA TOWER 118.1
ANDERSEN (UAM/PGUA)	UTC+10 618'	H24	06L 24R 06R 24L	10528×200  11200×200	ILS, LOC ILS, LOC ILS, LOC ILS, LOC	HIRL, SALS, PAPI-L HIRL, ALSF, PAPI-L HIRL, ALSF, PAPI-L HIRL, SALS, PAPI-L	GUAM APP(R) 119.8 ANDERSEN TOWER 126.2
BABEL THUAP (ROR/PTRO)	UTC+9 176'	H24	09 27	7200×150	RNAV, NDB RNAV	MIRL, REIL, PAPI-L MIRL, REIL, PAPI-L	KOROR Radio 123.6
YAP (YAP/PTYA)	UTC+10 91'	H24	07 25	6000×150	RNAV, NDBDME RNAV, NDBDME	MIRL, REIL, PAPI-L MIRL, REIL, PAPI-L	YAP Radio 123.6

6. KOREA-HAWAII

<JAPAN>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
FUKUOKA (FUK/RJFF)	UTC+9 30'	H24	16L 34R 16R 34L	9186×197 8202 x 197	ILS, VOR ILS LOC LOC	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, PAPI-L HIRL, CL, PAPI-L	FUKUOKA APP(R) 119.65 FUKUOKA TOWER 118.4
KANSAI (KIX/RJBB)	UTC+9 17'	H24	06L 24R 06R 24L	13123×197 11483×197	ILS, LOC ILS, LOC ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ HIRL, CL, HIALS, PAPI-L, TDZ	KANSAI APP(R) 120.25/125.5 KANSAI TOWER 118.2/118.05/126.2
NAGOYA (NGO/RJGG)	UTC+9 12'	H24	18 36	11483×197	ILS, LOC, VOR ILS, LOC, VOR	HIRL, CL, ALSF- II , PAPI-L HIRL, CL, ALSF- II , PAPI-L	CENTRAIR APP(R) 119.17 CTNTRAIR TOWER 118.85/126.2
NAHA (OKA/ROAH)	UTC+ 9 11'	H24	18L 36R 18R 36L	9843×148 8858×197	PAR PAR, ILS, LOC PAR, ILS, LOC PAR, ILS, LOC	HIRL, CL, PAPI-L, HIALS, TDZ HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L HIRL, CL, ALSF-I, PAPI-L	OKINAWA APP(R) North 119.1 South 126.5 NAHA TOWER 118.1
NARITA (NRT/RJAA)	UTC+9 135'	H24	16L 34R 16R 34L	8202×197 13123×197	ILS, VORDME ILS, VORDME ILS, VORDME ILS, VORDME	HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ HIRL, CL, ALSF- II , PAPI-L, TDZ HIRL, CL, ALSF- I , PAPI-L, TDZ	NARITA APP(R) 124.4/125.8/127.7 NARITA TOWER 118.2/118.35/122.7/126.2
HANEDA (HND/RJTT)	UTC+9 21'	H24	16L 34R 16R 34L 04 22 05 23	9843×197 9843×197 8202×197 8202×197	ILS, LOC ILS, LOC, VOR ILS, LOC, VOR ILS, LOC	HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- II , PAPI-L HIRL, CL, SSALS, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL, REIL, PAPI-L HIRL, CL, ALSF- I , PAPI-L HIRL, CL HIRL, CL, TDZ, PAPI-L	TOKYO APP(R) 119.1/119.4/119.7 TOKYO TOWER 118.1/118.575/126.2/118.725/118.8/124.35

<PACIFIC>							
AIRPORT (IATA/ICAO)	TIME ELEV	OPS HRS	RWY DIR	RWY LENG×WID	NAVAIDS	LIGHT	COMMUNICATIONS
SAIPAN (SPN/PGSN)	UTC+10 215'	H24	07 25	8699×200	ILSDME, NDBDME NDBDME	HIRL, REIL, MALSR HIRL, REIL, PAPI-L	GUAM CENTER(R) 118.4 SAIPAN TOWER 125.7
AGANA (GUM/PGUM)	UTC+10 298'	H24	06L 24R 06R 24L	12014×150 10014×150	ILS VOR, NDB ILS, LOC	HIRL, MALSR, PAPI-L HIRL, PAPI-L HIRL, MALSR, PAPI-R HIRL, PAPI-L	GUAM APP(R) 119.8 AGANA TOWER 118.1
ANDERSEN (UAM/PGUA)	UTC+10 618'	H24	06L 24R 06R	10528×200 11200×200	ILS, LOC ILS, LOC ILS, LOC	HIRL, SALS, PAPI-L HIRL, ALSF, PAPI-L HIRL, ALSF, PAPI-L	GUAM APP(R) 119.8 ANDERSEN TOWER 126.2

			24L		ILS, LOC	HIRL, SALS, PAPI-L	
H O N O L U L U (HNL/PHNL)	UTC+10 13'	H24	08L 26R 08R 26L 04R 22L	12360×200  12000×200  9002×150	ILS   ILS, VOR	HIRL, PAPI-L, MALSR HIRL, PAPI-L, REIL HIRL, PAPI-L, REIL HIRL, PAPI-L, MALSF HIRL, PAPI-L, MALSR HIRL, PAPI-L, REIL	HONOLULU APP(R) 118.3 HONOLULU TOWER 118.1
MIDWAY (MDY/PMDY)	UTC+11 18'	H24	06 24	7800×150	NDB NDB	HIRL, REIL, PAPI-L HIRL, REIL, PAPI-L	MIDWAY RADIO 126.2
HILO (ITO/PHTO)	UTC-10 38'	H24	08 26	9800×150	ILS, LOC, VOR	HIRL, ODALS, PAPI-R HIRL, MALSR, PAPI-L	HILO APP(R) 119.7 HILO TOWER 118.1
MAJURO (MAJ/PKMJ)	UTC+12 6'	H24	07 25	7913×150	NDB NDB	MIRL, REIL, PAPI MIRL, REIL, PAPI	MAJURO RADIO 123.6
WAKE (AWK/PWAK)	UTC+12 23'	H24	10 28	9844×150	VORDME VORDME	HIRL, REIL, PAPI-L HIRL, REIL, PAPI-L	WAKE OPS 128.0