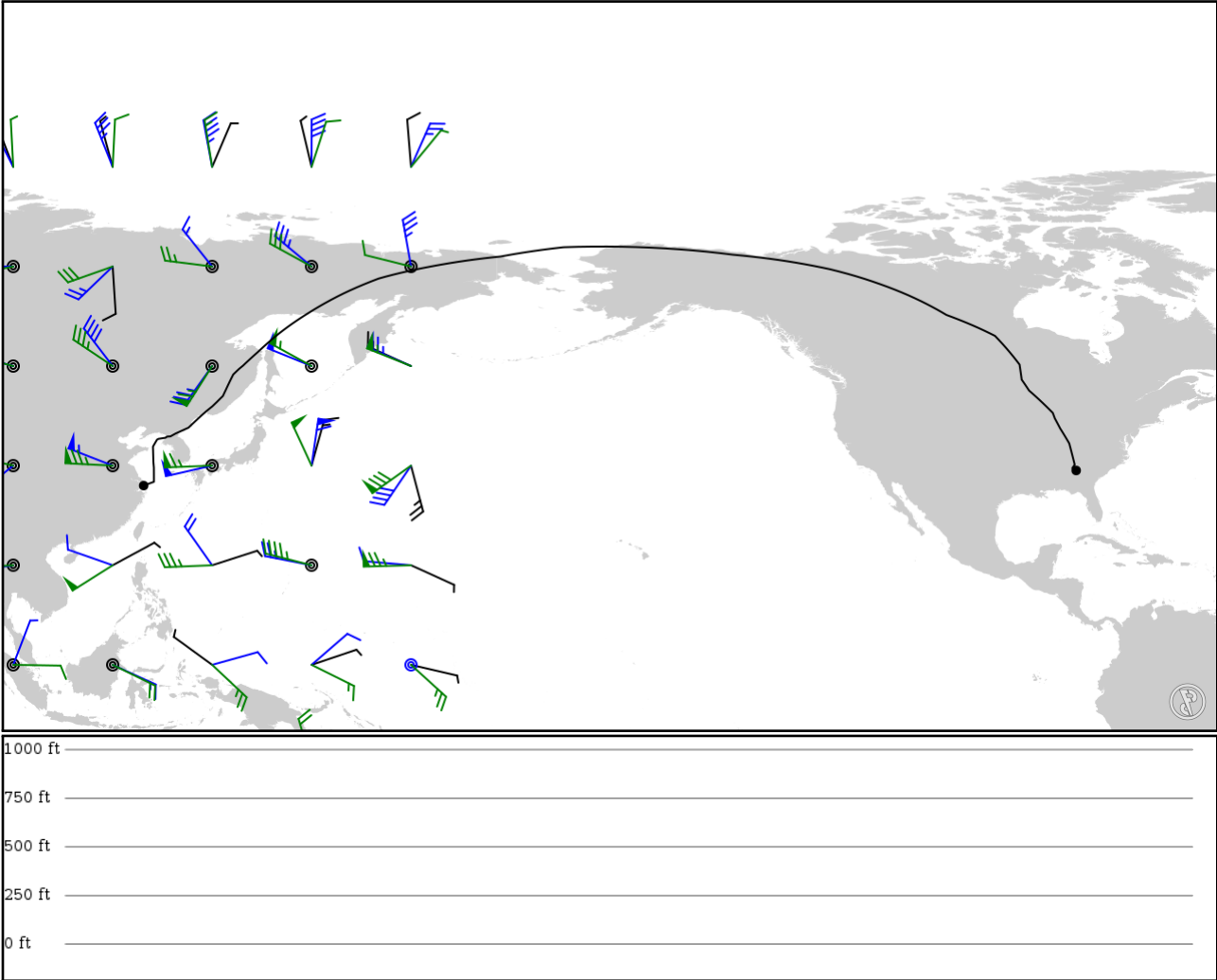


2024/05/08 0408Z

ZSPD SURAK A326 DONVO TOMUK B332 PONIL W1 GK R452 KICHA B356 TD W307 FI G212 NIMOR A218 LISKI
NCA80 ADREW NCA23 YSF NCA22 YTH J521 YRL V133 JGKPL HLDOL J538 DLH J89 BAE J101 OBK J89 WUDEE
GLAVN AAKAY HRDEY VINII CPARK KATL

6850.32 nm / 12686.80 km



Notes

Requested: ZSPD SURAK A326 DONVO TOMUK B332 PONIL W1 GK R452 KICHA B356 TD W307 FI G212 NIMOR A218 LISKI NCA80 ADREW

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
ZSPD APT	-	31.14500 121.79300	0 ft 0 m	-	Shanghai Pudong
SURAK FIX	-	31.77330 123.49200	0 ft 0 m	94	-
IKADI FIX	A326 AWY-HI	34.09170 123.48300	0 ft 0 m	139	-
DOPNO FIX	A326 AWY-HI	35.00000 123.40500	0 ft 0 m	54	-
MUDAL FIX	A326 AWY-HI	36.83170 123.35500	0 ft 0 m	110	-
DONVO FIX	A326 AWY-HI	37.56670 123.33300	0 ft 0 m	44	-
TOMUK FIX	-	38.71500 124.00000	0 ft 0 m	75	-
PONIL FIX	B332 AWY-HI	38.85000 124.24700	0 ft 0 m	14	-
SASRI FIX	W1 AWY-HI	39.02610 125.39500	0 ft 0 m	54	-
GK VOR	W1 AWY-HI	39.21850 125.67600	0 ft 0 m	17	PYONGYANG
SOCHA FIX	R452 AWY-HI	39.25000 126.21700	0 ft 0 m	25	-
WASAN FIX	R452 AWY-HI	39.72830 127.08400	0 ft 0 m	49	-
HAMUN FIX	R452 AWY-HI	39.92170 127.51800	0 ft 0 m	23	-
KICHA FIX	R452 AWY-HI	40.68420 129.19200	0 ft 0 m	89	-
ANKOG FIX	B356 AWY-HI	41.72220 130.27800	0 ft 0 m	79	-
ADNUR FIX	B356 AWY-HI	42.20830 130.80300	0 ft 0 m	37	-
GALDI FIX	B356 AWY-HI	42.56940 131.19600	0 ft 0 m	27	-
AGBIS FIX	B356 AWY-HI	42.78920 131.44100	0 ft 0 m	17	-
KESAN FIX	B356 AWY-HI	42.98860 131.66600	0 ft 0 m	15	-
BAPRU FIX	B356 AWY-HI	43.19220 131.89800	0 ft 0 m	15	-
KN VOR	B356 AWY-HI	43.38420 132.11800	0 ft 0 m	15	KNEVICH
DOLMA FIX	B356 AWY-HI	43.80690 132.63300	0 ft 0 m	33	-
BL NDB	B356 AWY-HI	44.20110 133.12100	0 ft 0 m	31	CHERNYSHEVKA
LUBOK FIX	B356 AWY-HI	44.91690 133.86800	0 ft 0 m	53	-
TD NDB	B356 AWY-HI	45.90080 134.86600	0 ft 0 m	72	BOGUSLAVETS
GUBOL FIX	W307 AWY-HI	46.82190 135.30400	0 ft 0 m	58	-
OTMIR	W307	47.27860	0 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	135.51400	0 m		
VADOK	W307	48.86360	0 ft	99	-
FIX	AWY-HI	136.27300	0 m		
FI	W307	49.44420	0 ft	36	TROITSKOYE
NDB	AWY-HI	136.56800	0 m		
LALET	G212	50.09030	0 ft	46	-
FIX	AWY-HI	137.23600	0 m		
SUTEK	G212	50.38360	0 ft	21	-
FIX	AWY-HI	137.55100	0 m		
TERBO	G212	50.91690	0 ft	40	-
FIX	AWY-HI	138.20100	0 m		
LUNED	G212	51.92360	0 ft	72	-
FIX	AWY-HI	139.27000	0 m		
LEKBI	G212	52.63190	0 ft	51	-
FIX	AWY-HI	140.04800	0 m		
NIMOR	G212	53.15030	0 ft	37	-
FIX	AWY-HI	140.63800	0 m		
GINOL	A218	54.41360	0 ft	90	-
FIX	AWY-HI	142.01300	0 m		
MOLUT	A218	55.21190	0 ft	57	-
FIX	AWY-HI	142.92800	0 m		
ABAGO	A218	56.29190	0 ft	78	-
FIX	AWY-HI	144.23800	0 m		
OKRUS	A218	58.76530	0 ft	185	-
FIX	AWY-HI	147.70200	0 m		
BANOT	A218	59.67690	0 ft	70	-
FIX	AWY-HI	149.14700	0 m		
RIPTA	A218	60.01080	0 ft	25	-
FIX	AWY-HI	149.68200	0 m		
IDNOR	A218	60.24720	0 ft	18	-
FIX	AWY-HI	150.07000	0 m		
TINID	A218	60.30920	0 ft	4	-
FIX	AWY-HI	150.17300	0 m		
GUBAD	A218	61.22190	0 ft	71	-
FIX	AWY-HI	151.74700	0 m		
OSKON	A218	65.23860	0 ft	338	-
FIX	AWY-HI	160.54400	0 m		
ADALU	A218	66.17860	0 ft	105	-
FIX	AWY-HI	164.15800	0 m		
RULOD	A218	67.20830	0 ft	131	-
FIX	AWY-HI	169.03000	0 m		
ABILA	A218	67.54170	0 ft	46	-
FIX	AWY-HI	170.86200	0 m		
GONAM	A218	68.40330	0 ft	138	-
FIX	AWY-HI	176.55500	0 m		
PEMID	A218	68.86830	0 ft	93	-
FIX	AWY-HI	-179.37300	0 m		
BABAD	A218	68.97500	0 ft	14	-
FIX	AWY-HI	-178.77900	0 m		
LISKI	A218	70.40500	0 ft	221	-
FIX	AWY-HI	-168.97300	0 m		
ADREW	NCA80	69.16970	0 ft	579	-
FIX	AWY-HI	-141.00300	0 m		
YEV	NCA23	68.30810	0 ft	170	INUVIK
VOR	AWY-HI	-133.54800	0 m		
HARUN	NCA23	66.77480	0 ft	216	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-125.00000	0 m		
BILSI	NCA23	64.32550	0 ft	251	-
FIX	AWY-HI	-116.75400	0 m		
ALSAB	NCA23	61.51560	0 ft	249	-
FIX	AWY-HI	-110.00000	0 m		
YSF	NCA23	59.25510	0 ft	183	STONY RAPIDS
NDB	AWY-HI	-105.83200	0 m		
EPTIR	NCA22	57.90670	0 ft	135	-
FIX	AWY-HI	-102.37200	0 m		
YTH	NCA22	55.81100	0 ft	195	THOMPSON
VOR	AWY-HI	-97.82520	0 m		
YRL	J521	51.07160	0 ft	319	RED LAKE
VOR	AWY-HI	-93.76200	0 m		
JGKPL	V133	48.60890	0 ft	148	-
FIX	AWY-LO	-93.41150	0 m		
HLDOL	-	48.60390	0 ft	0	-
FIX	-	-93.42110	0 m		
DLH	J538	46.80220	0 ft	118	DULUTH
VOR	AWY-HI	-92.20290	0 m		
BGOSH	J89	44.26200	0 ft	191	-
FIX	AWY-HI	-89.43420	0 m		
BAE	J89	43.11690	0 ft	84	BADGER (MILWAUKEE)
VOR	AWY-HI	-88.28430	0 m		
OBK	J101	42.22140	0 ft	55	NORTHBROOK
VOR	AWY-HI	-87.95160	0 m		
CADIZ	J89	41.16780	0 ft	68	-
FIX	AWY-HI	-87.38770	0 m		
FATOX	J89	40.80120	0 ft	23	-
FIX	AWY-HI	-87.19600	0 m		
BVT	J89	40.55620	0 ft	15	BOILER (LAFAYETTE)
VOR	AWY-HI	-87.06940	0 m		
TORIO	J89	40.24910	0 ft	20	-
FIX	AWY-HI	-86.87600	0 m		
MACES	J89	40.00370	0 ft	16	-
FIX	AWY-HI	-86.72300	0 m		
KURTZ	J89	38.97220	0 ft	68	-
FIX	AWY-HI	-86.09270	0 m		
IIU	J89	38.10350	0 ft	57	LOUISVILLE
VOR	AWY-HI	-85.57740	0 m		
SWAPP	J89	36.61380	0 ft	91	-
FIX	AWY-HI	-85.18220	0 m		
RESPE	J89	35.59180	0 ft	62	-
FIX	AWY-HI	-84.92010	0 m		
WUDEE	J89	34.57880	0 ft	62	-
FIX	AWY-HI	-84.66630	0 m		
GLAVN	-	34.04990	0 ft	37	-
FIX	-	-85.05130	0 m		
AAKAY	-	33.63420	0 ft	28	-
FIX	-	-84.79330	0 m		
HRDEY	-	33.63450	0 ft	7	-
FIX	-	-84.65020	0 m		
VINII	-	33.63470	0 ft	5	-
FIX	-	-84.54980	0 m		
CPARK	-	33.63470	0 ft	1	-
FIX	-	-84.51280	0 m		
KATL	-	33.63660	0 ft	4	Hartsfield-Jackson Atlanta Intl

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
APT	-		-84.42800	0 m		

ZSPD

Region: CHINA
Timezone: ASIA/SHANGHAI
Runways: 5

Elevation: 13 ft / 4 m
Location: 31.141500 121.813000
Magnetic Var: 6.478 W

METAR

ZSPD 080330Z 02007MPS 9999 FEW030 21/13 Q1020 NOSIG

TAF

TAF TAF ZSPD 072105Z 0800/0824 03004MPS 6000 BKN015 TX23/0806Z TN14/0821Z BECMG 0820/0822 12004MPS

Frequencies

REC - 131.45 MHz - ATIS	REC - 127.85 MHz - ATIS
TWR - 118.40 MHz - PUDONG TOWER	TWR - 118.57 MHz - PUDONG TOWER
TWR - 118.80 MHz - PUDONG TOWER	TWR - 124.35 MHz - PUDONG TOWER
TWR - 118.72 MHz - PUDONG SECONDARY TOWER	TWR - 118.32 MHz - PUDONG SECONDARY TOWER
GND - 121.62 MHz - PUDONG GROUND	GND - 121.80 MHz - PUDONG GROUND
GND - 121.87 MHz - PUDONG GROUND	GND - 121.70 MHz - PUDONG GROUND
GND - 122.70 MHz - PUDONG APRON RAMP/TAXI	GND - 122.60 MHz - PUDONG APRON RAMP/TAXI
GND - 122.65 MHz - PUDONG APRON RAMP/TAXI	GND - 122.97 MHz - PUDONG APRON RAMP/TAXI
CLD - 121.95 MHz - PUDONG CLEARANCE DELIVERY	CLD - 121.67 MHz -
APP - 121.10 MHz - SHANGHAI APPROACH	PUDONG SECONDARY CLEARANCE DELIVERY
APP - 120.30 MHz - SHANGHAI APPROACH	APP - 125.40 MHz - SHANGHAI APPROACH
APP - 125.85 MHz - SHANGHAI APPROACH	APP - 125.62 MHz - SHANGHAI APPROACH
APP - 126.65 MHz - SHANGHAI APPROACH	APP - 126.30 MHz - SHANGHAI APPROACH
APP - 121.37 MHz - SHANGHAI APPROACH	APP - 123.80 MHz - SHANGHAI APPROACH
APP - 120.65 MHz - SHANGHAI SECONDARY APPROACH	APP - 119.75 MHz - SHANGHAI SECONDARY APPROACH
APP - 124.05 MHz - SHANGHAI SECONDARY APPROACH	APP - 128.05 MHz - SHANGHAI SECONDARY APPROACH
	APP - 119.20 MHz - SHANGHAI SECONDARY APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	144 ft	11,192 ft	162.14	CONCRETE	0 ft	197 ft
	44 m	3,411 m	168.62		0 m	60 m
33	144 ft	11,192 ft	342.15	CONCRETE	0 ft	194 ft
	44 m	3,411 m	348.62		0 m	59 m
16L	197 ft	12,505 ft	162.10	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.58		0 m	0 m
34R	197 ft	12,505 ft	342.11	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.59		0 m	0 m
16R	197 ft	12,505 ft	162.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.56		0 m	0 m
34L	197 ft	12,505 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.57		0 m	0 m
17L	197 ft	13,155 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	168.56		0 m	0 m
35R	197 ft	13,155 ft	342.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	348.56		0 m	0 m
17R	197 ft	11,183 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	3,409 m	168.56		0 m	0 m
35L	197 ft	11,183 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,409 m	348.56		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16R	DME	IZZ	108.70 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
17L	DME	IPD	110.70 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
34L	DME	IDD	108.30 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
16L	LOC-ILS	IHL	111.50 MHz	18 nm	162.11	-	13 ft
				33 km	168.59		13 m
16R	LOC-ILS	IZZ	108.70 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
17L	LOC-ILS	IPD	110.70 MHz	18 nm	162.08	-	13 ft
				33 km	168.56		13 m
17R	LOC-ILS	IKM	111.10 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
34L	LOC-ILS	IDD	108.30 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
34R	LOC-ILS	IPR	108.90 MHz	18 nm	342.11	-	13 ft
				33 km	348.59		13 m
35L	LOC-ILS	IBD	108.10 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
35R	LOC-ILS	INN	111.90 MHz	18 nm	342.08	-	13 ft
				33 km	348.56		13 m
16L	GS	IHL	111.50 MHz	10 nm	162.11	3.00	13 ft
				19 km	168.59		13 m
16R	GS	IZZ	108.70 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
17L	GS	IPD	110.70 MHz	10 nm	162.08	3.00	13 ft
				19 km	168.56		13 m
17R	GS	IKM	111.10 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
34L	GS	IDD	108.30 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
34R	GS	IPR	108.90 MHz	10 nm	342.11	3.00	13 ft
				19 km	348.59		13 m
35L	GS	IBD	108.10 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
35R	GS	INN	111.90 MHz	10 nm	342.08	3.00	13 ft
				19 km	348.56		13 m

KATL

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 5

Elevation: 1,026 ft / 313 m
Location: 33.636600 -84.428000
Magnetic Var: 5.630 W

METAR

KATL 080252Z 19005KT 10SM BKN080 BKN250 26/19 A2988 RMK A02 SLP107 T02610194 51015

TAF

TAF AMD KATL 080335Z 0804/0906 19005KT P6SM SCT040 BKN080 FM080600 23008KT P6SM FEW008 FEW250 FM080800 24007KT P6SM

Frequencies

REC - 119.65 MHz - D-ATIS	REC - 125.55 MHz - D-ATIS
COM - 122.95 MHz - UNICOM	CLD - 118.10 MHz - CLEARANCE DELIVERY
GND - 121.65 MHz - ATLANTA GROUND	GND - 121.75 MHz - ATLANTA GROUND
GND - 121.90 MHz - ATLANTA GROUND	TWR - 119.10 MHz - ATLANTA TOWER
TWR - 119.30 MHz - ATLANTA TOWER	TWR - 119.50 MHz - ATLANTA TOWER
TWR - 123.85 MHz - ATLANTA TOWER	TWR - 125.32 MHz - ATLANTA TOWER
APP - 127.90 MHz - ATLANTA APPROACH	APP - 128.00 MHz - ATLANTA APPROACH
DEP - 125.65 MHz - ATLANTA DEPARTURE	DEP - 125.70 MHz - ATLANTA DEPARTURE
DEP - 135.37 MHz - ATLANTA DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	151 ft	12,400 ft	89.99	CONCRETE	0 ft	0 ft
	46 m	3,780 m	95.62		0 m	0 m
27R	151 ft	12,400 ft	270.01	CONCRETE	518 ft	0 ft
	46 m	3,780 m	275.64		158 m	0 m
09R	151 ft	9,008 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.61		0 m	0 m
27L	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.62		0 m	0 m
08L	151 ft	9,008 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.61		0 m	0 m
26R	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.62		0 m	0 m
10	151 ft	9,008 ft	89.97	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.60		0 m	0 m
28	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.62		0 m	0 m
08R	151 ft	10,009 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	3,051 m	95.61		0 m	0 m
26L	151 ft	10,009 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	3,051 m	275.62		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IHFV	109.30 MHz	18 nm	-	-	993 ft
				33 km	-		993 m
08R	DME	IATL	109.90 MHz	18 nm	-	-	1,026 ft
				33 km	-		1,026 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IHZK	110.50 MHz	18 nm	-	-	978 ft
				33 km	-		978 m
09R	DME	IFUN	108.90 MHz	18 nm	-	-	987 ft
				33 km	-		987 m
10	DME	IOMO	111.55 MHz	18 nm	-	-	970 ft
				33 km	-		970 m
26L	DME	IBRU	108.70 MHz	18 nm	-	-	1,026 ft
				33 km	-		1,026 m
26R	DME	IGXZ	110.10 MHz	18 nm	-	-	1,000 ft
				33 km	-		1,000 m
27L	DME	IFSQ	108.50 MHz	18 nm	-	-	1,020 ft
				33 km	-		1,020 m
27R	DME	IAFA	111.30 MHz	18 nm	-	-	978 ft
				33 km	-		978 m
28	DME	IPKU	111.75 MHz	18 nm	-	-	970 ft
				33 km	-		970 m
08L	LOC-ILS	IHFV	109.30 MHz	18 nm	89.98	-	1,026 ft
				33 km	95.61		1,026 m
08R	LOC-ILS	IATL	109.90 MHz	18 nm	89.99	-	1,026 ft
				33 km	95.62		1,026 m
09L	LOC-ILS	IHZK	110.50 MHz	18 nm	90.01	-	968 ft
				33 km	95.64		968 m
09R	LOC-ILS	IFUN	108.90 MHz	18 nm	89.98	-	1,026 ft
				33 km	95.61		1,026 m
10	LOC-ILS	IOMO	111.55 MHz	18 nm	89.98	-	970 ft
				33 km	95.61		970 m
26L	LOC-ILS	IBRU	108.70 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
26R	LOC-ILS	IGXZ	110.10 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
27L	LOC-ILS	IFSQ	108.50 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
27R	LOC-ILS	IAFA	111.30 MHz	18 nm	270.00	-	1,026 ft
				33 km	275.62		1,026 m
28	LOC-ILS	IPKU	111.75 MHz	18 nm	269.97	-	970 ft
				33 km	275.60		970 m
08L	GS	IHFV	109.30 MHz	10 nm	90.96	3.00	1,008 ft
				19 km	96.59		1,008 m
08R	GS	IATL	109.90 MHz	10 nm	90.96	3.00	1,012 ft
				19 km	96.59		1,012 m
09L	GS	IHZK	110.50 MHz	10 nm	90.02	3.00	1,017 ft
				19 km	95.65		1,017 m
09R	GS	IFUN	108.90 MHz	10 nm	90.96	3.00	1,021 ft
				19 km	96.59		1,021 m
10	GS	IOMO	111.55 MHz	10 nm	90.94	3.00	985 ft
				19 km	96.57		985 m
26L	GS	IBRU	108.70 MHz	10 nm	270.96	3.00	992 ft
				19 km	276.59		992 m
26R	GS	IGXZ	110.10 MHz	10 nm	270.96	3.00	984 ft
				19 km	276.59		984 m
27L	GS	IFSQ	108.50 MHz	10 nm	270.96	3.00	990 ft
				19 km	276.59		990 m
27R	GS	IAFA	111.30 MHz	10 nm	270.02	3.00	981 ft
				19 km	275.65		981 m
28	GS	IPKU	111.75 MHz	10 nm	270.94	3.00	990 ft
				19 km	276.57		990 m