

KEWR

Newark Liberty Intl

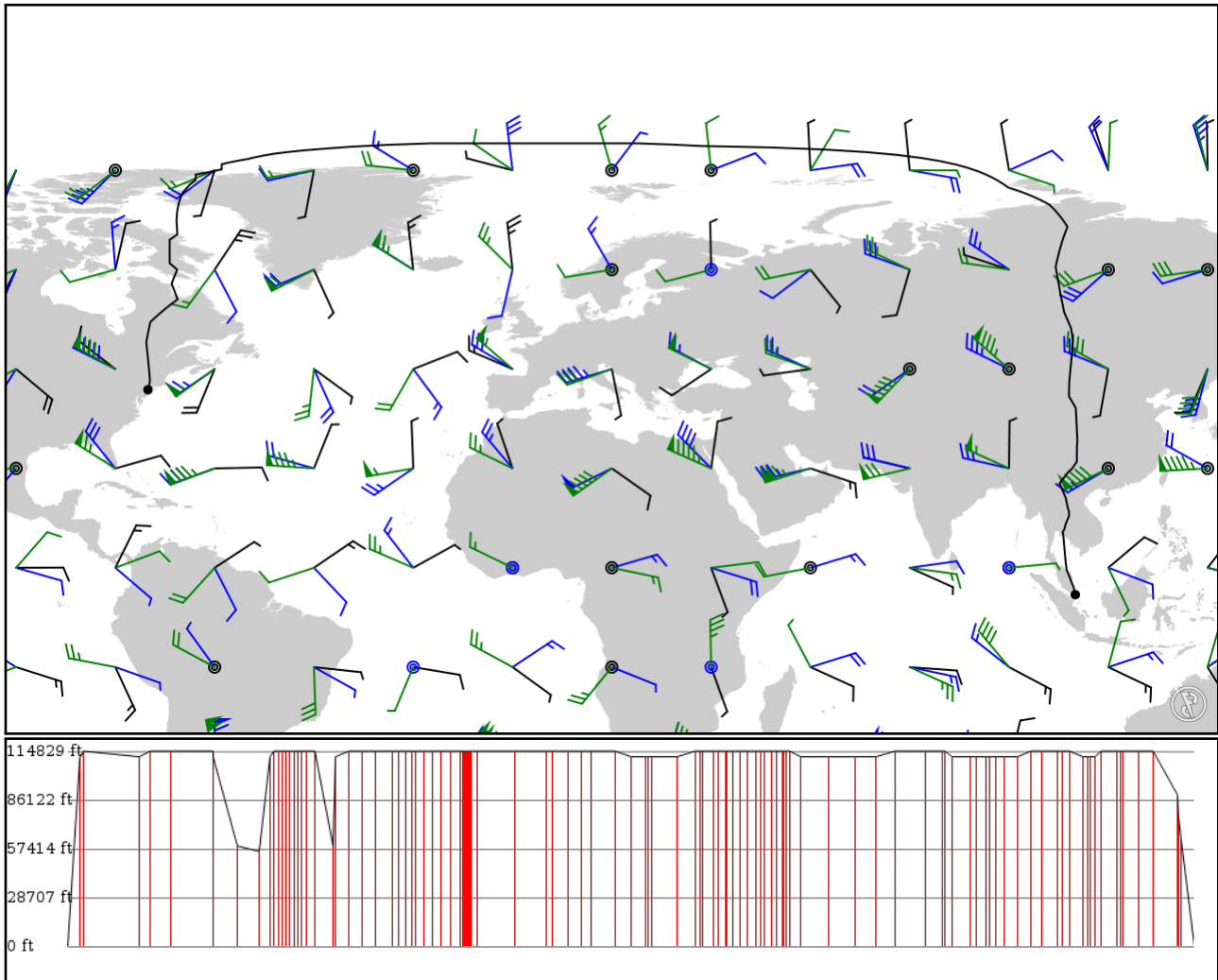
WSSS

Singapore Changi Intl. Airport

2024/05/11 0248Z

KEWR ATHOS **J37** ALB **N426E** MT **J482** YFM **J479** YVP VP **BR20** YFY 6500N07000W N6570 6600N07000W N6630 6700N07000W N6770 6800N07000W N6870 6900N07000W N6930 YCY **BR20** JULET **5E42** THT **5E47** HENRY 8100N06500W 8200N06500W LT 8300N06000W 8400N06000W 8500N05500W 8600N05000W 8700N04000W 8800N02000W 8800N01500W 8800N01000W 8800N0500W 8800N0000E 8800N0500E 8800N01000E 8800N01500E 8800N02000E ABERI **B934** UOHH **B480** MORIT **B330** JTG **G212** SL **A581** SAGAG **B218** VTN **R470** UDN **W5** KKN **W6** KRT SELKA BATOK GOMES RYN **M644** DUGON **W44** VKB **M751** PK **B469** PU090 WSSS

8535.10 nm / 15807.00 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 300ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KEWR APT	-	40.69363 -74.16856	0 ft 0 m	-	Newark Liberty Intl
ATHOS FIX	-	42.24708 -73.81210	33,800 ft 10,302 m	94	-
ALB VOR	J37 AWY-HI	42.74728 -73.80319	35,000 ft 10,668 m	30	ALBANY VORTAC
MT NDB	N426E AWY-HI	49.79961 -74.49544	34,000 ft 10,363 m	424	CHIBOUGAMAU/CHAPA NDB
HENDY FIX	J482 AWY-HI	51.12167 -74.24500	35,000 ft 10,668 m	79	-
YFM NDB	J482 AWY-HI	53.71133 -73.70297	35,000 ft 10,668 m	156	LA GRANDE-4 NDB
YVP VOR	J479 AWY-HI	58.09614 -68.42719	35,000 ft 10,668 m	317	KUJACK VOR-DME
VP NDB	- -	58.05608 -68.48639	34,000 ft 10,363 m	3	KUJACK NDB
UHA NDB	BR20 AWY-LO	61.04278 -69.62722	18,000 ft 5,486 m	182	QUAQTAQ NDB
YFY NDB	BR20 AWY-LO	63.73333 -68.54806	17,000 ft 5,182 m	164	FROBAY NDB
6500N07000W LATLON	- -	65.00000 -70.00000	34,000 ft 10,363 m	84	-
N6570 FIX	- -	65.50000 -70.00000	35,000 ft 10,668 m	30	-
6600N07000W LATLON	- -	66.00000 -70.00000	35,000 ft 10,668 m	30	-
N6630 FIX	- -	66.50000 -70.00000	35,000 ft 10,668 m	30	-
6700N07000W LATLON	- -	67.00000 -70.00000	35,000 ft 10,668 m	30	-
N6770 FIX	- -	67.50000 -70.00000	35,000 ft 10,668 m	30	-
6800N07000W LATLON	- -	68.00000 -70.00000	35,000 ft 10,668 m	30	-
N6870 FIX	- -	68.50000 -70.00000	35,000 ft 10,668 m	30	-
6900N07000W LATLON	- -	69.00000 -70.00000	35,000 ft 10,668 m	30	-
N6930 FIX	- -	69.50000 -70.00000	35,000 ft 10,668 m	30	-
YCY NDB	- -	70.48517 -68.52694	35,000 ft 10,668 m	66	CLYDE RIVER NDB
JULET FIX	BR20 AWY-LO	72.76167 -68.65750	18,000 ft 5,486 m	136	-
04THT FIX	5E42 AWY-HI	73.14778 -68.68306	34,000 ft 10,363 m	23	-
LIPSI FIX	5E42 AWY-HI	74.83334 -68.56667	35,000 ft 10,668 m	101	-
THT VOR	5E42 AWY-HI	76.54242 -68.23922	35,000 ft 10,668 m	102	THULE VORTAC
FRINI FIX	5E47 AWY-HI	78.20000 -67.70000	35,000 ft 10,668 m	99	-
HENRY	5E47	80.25000	35,000 ft	124	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-65.91667	10,668 m		
8100N06500W	-	81.00000	35,000 ft	45	-
LATLON	-	-65.00000	10,668 m		
8200N06500W	-	82.00000	35,000 ft	60	-
LATLON	-	-65.00000	10,668 m		
LT	-	82.52583	35,000 ft	38	ALERT NDB
NDB	-	-62.21139	10,668 m		
8300N06000W	-	83.00000	35,000 ft	33	-
LATLON	-	-60.00000	10,668 m		
8400N06000W	-	84.00000	35,000 ft	60	-
LATLON	-	-60.00000	10,668 m		
8500N05500W	-	85.00000	35,000 ft	66	-
LATLON	-	-55.00000	10,668 m		
8600N05000W	-	86.00000	35,000 ft	64	-
LATLON	-	-50.00000	10,668 m		
8700N04000W	-	87.00000	35,000 ft	70	-
LATLON	-	-40.00000	10,668 m		
8800N02000W	-	88.00000	35,000 ft	78	-
LATLON	-	-20.00000	10,668 m		
8800N01500W	-	88.00000	35,000 ft	10	-
LATLON	-	-15.00000	10,668 m		
8800N01000W	-	88.00000	35,000 ft	10	-
LATLON	-	-10.00000	10,668 m		
8800N0500W	-	88.00000	35,000 ft	10	-
LATLON	-	-5.00000	10,668 m		
8800N0000E	-	88.00000	35,000 ft	10	-
LATLON	-	0.00000	10,668 m		
8800N0500E	-	88.00000	35,000 ft	10	-
LATLON	-	5.00000	10,668 m		
8800N01000E	-	88.00000	35,000 ft	10	-
LATLON	-	10.00000	10,668 m		
8800N01500E	-	88.00000	35,000 ft	10	-
LATLON	-	15.00000	10,668 m		
8800N02000E	-	88.00000	35,000 ft	10	-
LATLON	-	20.00000	10,668 m		
ABERI	-	87.50000	35,000 ft	41	-
FIX	-	32.00000	10,668 m		
RAVUL	B934	83.97111	35,000 ft	286	-
FIX	AWY-HI	80.89861	10,668 m		
MOTEM	B934	80.16944	35,000 ft	240	-
FIX	AWY-HI	90.19167	10,668 m		
UODS	B934	79.52833	35,000 ft	39	-
APT	AWY-HI	91.07500	10,668 m		
BINTA	B934	77.74500	35,000 ft	121	-
FIX	AWY-HI	95.98333	10,668 m		
USATO	B934	76.20083	35,000 ft	101	-
FIX	AWY-HI	99.04972	10,668 m		
VEDOT	B934	75.02083	35,000 ft	72	-
FIX	AWY-HI	100.20306	10,668 m		
UOHH	B934	71.97806	35,000 ft	186	KHATANGA
APT	AWY-HI	102.49051	10,668 m		
KEMIT	B480	70.06667	34,000 ft	115	-
FIX	AWY-HI	101.75833	10,363 m		
SAKUR	B480	68.24083	34,000 ft	110	-
FIX	AWY-HI	101.19333	10,363 m		
NASON	B480	67.89667	34,000 ft	20	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	101.08833	10,363 m		
OVEDA	B480	67.54333	34,000 ft	21	-
FIX	AWY-HI	100.99500	10,363 m		
AI	B480	64.28500	34,000 ft	196	TURA NDB
NDB	AWY-HI	100.20333	10,363 m		
POMAR	B480	62.01667	35,000 ft	136	-
FIX	AWY-HI	100.61667	10,668 m		
GOPTA	B480	61.32056	35,000 ft	41	-
FIX	AWY-HI	100.74667	10,668 m		
TEGMO	B480	61.07222	35,000 ft	14	-
FIX	AWY-HI	100.79167	10,668 m		
BAGAL	B480	59.68389	35,000 ft	83	-
FIX	AWY-HI	101.03333	10,668 m		
VELNA	B480	59.10056	35,000 ft	35	-
FIX	AWY-HI	101.13333	10,668 m		
RITON	B480	58.22556	35,000 ft	52	-
FIX	AWY-HI	101.31000	10,668 m		
KUMAR	B480	57.97833	35,000 ft	14	-
FIX	AWY-HI	101.37000	10,668 m		
GOMAK	B480	57.35000	35,000 ft	37	-
FIX	AWY-HI	101.50667	10,668 m		
BRT	B480	56.37222	35,000 ft	59	BRATSK VOR-DME
VOR	AWY-HI	101.68583	10,668 m		
IRKUT	B480	55.43333	35,000 ft	56	-
FIX	AWY-HI	101.90000	10,668 m		
AGEMA	B480	54.36556	35,000 ft	66	-
FIX	AWY-HI	102.38500	10,668 m		
NEBOK	B480	53.79889	35,000 ft	35	-
FIX	AWY-HI	102.63167	10,668 m		
SONAT	B480	53.35000	35,000 ft	27	-
FIX	AWY-HI	102.82333	10,668 m		
BD01	B480	52.43333	35,000 ft	56	-
APT	AWY-HI	103.20000	10,668 m		
SORUM	B480	51.85667	35,000 ft	34	-
FIX	AWY-HI	103.28333	10,668 m		
MATAK	B480	51.14556	35,000 ft	42	-
FIX	AWY-HI	103.38167	10,668 m		
EROKI	B480	50.95889	35,000 ft	11	-
FIX	AWY-HI	103.40833	10,668 m		
MABIL	B480	50.64722	35,000 ft	18	-
FIX	AWY-HI	103.45167	10,668 m		
LETBI	B480	50.19833	35,000 ft	27	-
FIX	AWY-HI	103.51000	10,668 m		
BU	B480	48.85425	34,000 ft	80	BULGAN NDB
NDB	AWY-HI	103.48553	10,363 m		
KENTA	B480	45.36463	34,000 ft	210	-
FIX	AWY-HI	103.12306	10,363 m		
MORIT	B480	42.03333	34,000 ft	200	-
FIX	AWY-HI	102.81667	10,363 m		
YBL	B330	39.42833	34,000 ft	156	YABRAI VOR-DME
VOR	AWY-HI	102.77167	10,363 m		
JTA	B330	37.19500	35,000 ft	147	JINGTAI VOR-DME
VOR	AWY-HI	104.08000	10,668 m		
OMBON	B330	33.35667	35,000 ft	230	-
FIX	AWY-HI	104.27167	10,668 m		
DOREX	B330	31.14667	35,000 ft	132	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	104.38000	10,668 m		
JTG	B330	30.87167	35,000 ft	16	JINTANG VOR-DME
VOR	AWY-HI	104.39333	10,668 m		
FJC	G212	29.92833	34,000 ft	56	FUJIACHANG VOR-DME
VOR	AWY-HI	104.30500	10,363 m		
OMLIP	G212	27.71000	34,000 ft	133	-
FIX	AWY-HI	104.28667	10,363 m		
HX	G212	26.86000	34,000 ft	51	WEINING NDB
NDB	AWY-HI	104.28167	10,363 m		
MEBNA	G212	25.85167	34,000 ft	71	-
FIX	AWY-HI	103.57167	10,363 m		
SL	G212	25.44833	34,000 ft	28	MAGUOHE NDB
NDB	AWY-HI	103.29167	10,363 m		
KMG	A581	25.01667	34,000 ft	39	KUNMING VOR-DME
VOR	AWY-HI	102.73333	10,363 m		
ELASU	A581	24.06500	34,000 ft	69	-
FIX	AWY-HI	102.00167	10,363 m		
BIDRU	A581	22.71833	34,000 ft	99	-
FIX	AWY-HI	100.96500	10,363 m		
SAGAG	A581	21.19167	35,000 ft	98	-
FIX	AWY-HI	101.62333	10,668 m		
LPB	B218	19.89945	35,000 ft	83	LUANG PHABANG VOR-DME
VOR	AWY-HI	102.16033	10,668 m		
VTN	B218	18.01038	35,000 ft	115	VIENTIANE VOR-DME
VOR	AWY-HI	102.54045	10,668 m		
UDN	R470	17.38450	35,000 ft	39	UDON VOR-DME
VOR	AWY-HI	102.77501	10,668 m		
KKN	W5	16.47076	35,000 ft	54	KHON KAEN VOR-DME
VOR	AWY-HI	102.78780	10,668 m		
KRT	W6	14.91732	34,000 ft	100	KHORAT VOR-DME
VOR	AWY-HI	102.13981	10,363 m		
SELKA	-	14.35997	34,000 ft	34	-
FIX	-	101.99653	10,363 m		
BATOK	-	13.93500	34,000 ft	26	-
FIX	-	101.89822	10,363 m		
GOMES	-	13.40171	34,000 ft	36	-
FIX	-	101.58492	10,363 m		
RYN	-	12.78008	35,000 ft	37	RAYONG VOR-DME
VOR	-	101.67825	10,668 m		
ALUMO	M644	10.76497	35,000 ft	121	-
FIX	AWY-HI	101.85635	10,668 m		
PETRA	M644	10.23659	35,000 ft	31	-
FIX	AWY-HI	101.90275	10,668 m		
TONIK	M644	10.02532	35,000 ft	12	-
FIX	AWY-HI	101.92115	10,668 m		
DUGON	M644	8.02355	35,000 ft	120	-
FIX	AWY-HI	102.09682	10,668 m		
VKB	W44	6.16342	35,000 ft	112	KOTA BHARU VOR-DME
VOR	AWY-HI	102.31419	10,668 m		
PK	M751	3.38306	27,200 ft	179	PEKAN NDB
NDB	AWY-HI	103.42333	8,291 m		
PADLI	B469	3.15500	23,000 ft	15	-
FIX	AWY-HI	103.52583	7,010 m		
PU090	B469	2.89472	19,300 ft	17	-
FIX	AWY-HI	103.64333	5,883 m		
WSSS	-	1.35192	0 ft	95	Singapore Changi Intl. Airport

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
APT	-	103.99560	0 m		

KEWR

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 3

Elevation: 17 ft / 5 m
Location: 40.693600 -74.168600
Magnetic Var: 12.651 W

METAR

KEWR 110204Z 00000KT 10SM -RA SCT014 BKN020 OVC046 11/08 A2984 RMK AO2 P0000 T01060078

TAF

TAF AMD KEWR 110233Z 1103/1206 03005KT P6SM SCT020 BKN060 FM110600 02006KT P6SM SCT120 FM111300 05006KT P6SM FEW0

Frequencies

REC - 115.70 MHz - D-ATIS	REC - 134.82 MHz - D-ATIS
COM - 122.95 MHz - UNICOM	CLD - 118.85 MHz - CLEARANCE DELIVERY
GND - 121.80 MHz - NEWARK GROUND	GND - 126.15 MHz - NEWARK GROUND
GND - 132.45 MHz - RAMP CONTROL	TWR - 118.30 MHz - NEWARK TOWER
TWR - 134.05 MHz - NEWARK TOWER	APP - 127.60 MHz - NEW YORK APPROACH
APP - 128.55 MHz - NEW YORK APPROACH	APP - 132.70 MHz - NEW YORK APPROACH
APP - 132.80 MHz - NEW YORK APPROACH	DEP - 119.20 MHz - NEW YORK DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04L	150 ft	11,011 ft	25.75	ASPHALT	2,539 ft	610 ft
	46 m	3,356 m	38.40		774 m	186 m
22R	150 ft	11,011 ft	205.76	ASPHALT	1,440 ft	0 ft
	46 m	3,356 m	218.41		439 m	0 m
04R	150 ft	10,009 ft	25.74	ASPHALT	1,191 ft	299 ft
	46 m	3,051 m	38.39		363 m	91 m
22L	150 ft	10,009 ft	205.75	ASPHALT	1,791 ft	0 ft
	46 m	3,051 m	218.40		546 m	0 m
11	150 ft	6,732 ft	95.00	ASPHALT	0 ft	505 ft
	46 m	2,052 m	107.65		0 m	154 m
29	150 ft	6,732 ft	275.02	ASPHALT	223 ft	0 ft
	46 m	2,052 m	287.67		68 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04L	DME	IEWR	110.75 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
04R	DME	IEZA	108.70 MHz	18 nm	-	-	18 ft
				33 km	-		18 m
22L	DME	ILSQ	108.70 MHz	18 nm	-	-	18 ft
				33 km	-		18 m
22R	DME	IJNN	110.75 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
04L	LOC-ILS	IEWR	110.75 MHz	18 nm	25.76	-	17 ft
				33 km	38.41		17 m
04R	LOC-ILS	IEZA	108.70 MHz	18 nm	25.75	-	17 ft
				33 km	38.40		17 m
11	LOC-ILS	IGPR	109.15 MHz	18 nm	95.01	-	17 ft
				33 km	107.66		17 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22L	LOC-ILS	ILSQ	108.70 MHz	18 nm	205.75	-	17 ft
				33 km	218.40		17 m
22R	LOC-ILS	IJNN	110.75 MHz	18 nm	205.76	-	17 ft
				33 km	218.41		17 m
04L	GS	IEWR	110.75 MHz	10 nm	25.76	3.00	17 ft
				19 km	38.41		17 m
04R	GS	IEZA	108.70 MHz	10 nm	25.75	3.00	17 ft
				19 km	38.40		17 m
11	GS	IGPR	109.15 MHz	10 nm	95.01	3.00	17 ft
				19 km	107.66		17 m
22L	GS	ILSQ	108.70 MHz	10 nm	205.75	3.00	17 ft
				19 km	218.40		17 m
22R	GS	IJNN	110.75 MHz	10 nm	205.76	3.00	17 ft
				19 km	218.41		17 m

WSSS

Region: SINGAPORE

Timezone: ASIA/SINGAPORE

Runways: 2

Elevation: 20 ft / 6 m

Location: 1.355510 103.988000

Magnetic Var: 0.198 E

METAR

WSSS 110230Z 08006KT 030V120 9999 FEW018TCU SCT020 BKN300 31/25 Q1011 NOSIG

TAF

TAF AMD WSSS 110000Z 1100/1206 13008KT 9999 FEW015 SCT020 TEMPO 1104/1107 3000 TSRA FEW012CB BKN015

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR	DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR	DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR	DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR	DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR	DEP - 255.40 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR	APP - 120.30 MHz - SINGAPORE APPROACH
APP - 124.60 MHz - SINGAPORE APPROACH	APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.60 MHz - SINGAPORE TOWER	TWR - 118.25 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND	GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND	GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
GND - 122.55 MHz - SINGAPORE GROUND	CLD - 121.65 MHz - SINGAPORE DELIVERY
CLD - 119.60 MHz - SINGAPORE DELIVERY	REC - 128.60 MHz -
REC - 128.02 MHz -	CHANGI AIRPORT INFORMATION (D-ATIS)
CHANGI AIRPORT ARRIVAL INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20R	197 ft	13,187 ft	202.88	ASPHALT	2,428 ft	390 ft
	60 m	4,020 m	202.68		740 m	119 m
02C	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20C	197 ft	13,187 ft	202.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	202.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
02L	DME	ICW	110.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
20C	DME	ICC	109.70 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
20R	DME	ICH	108.90 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm	22.88	-	20 ft
				33 km	22.68		20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m