

WSSS
Changi

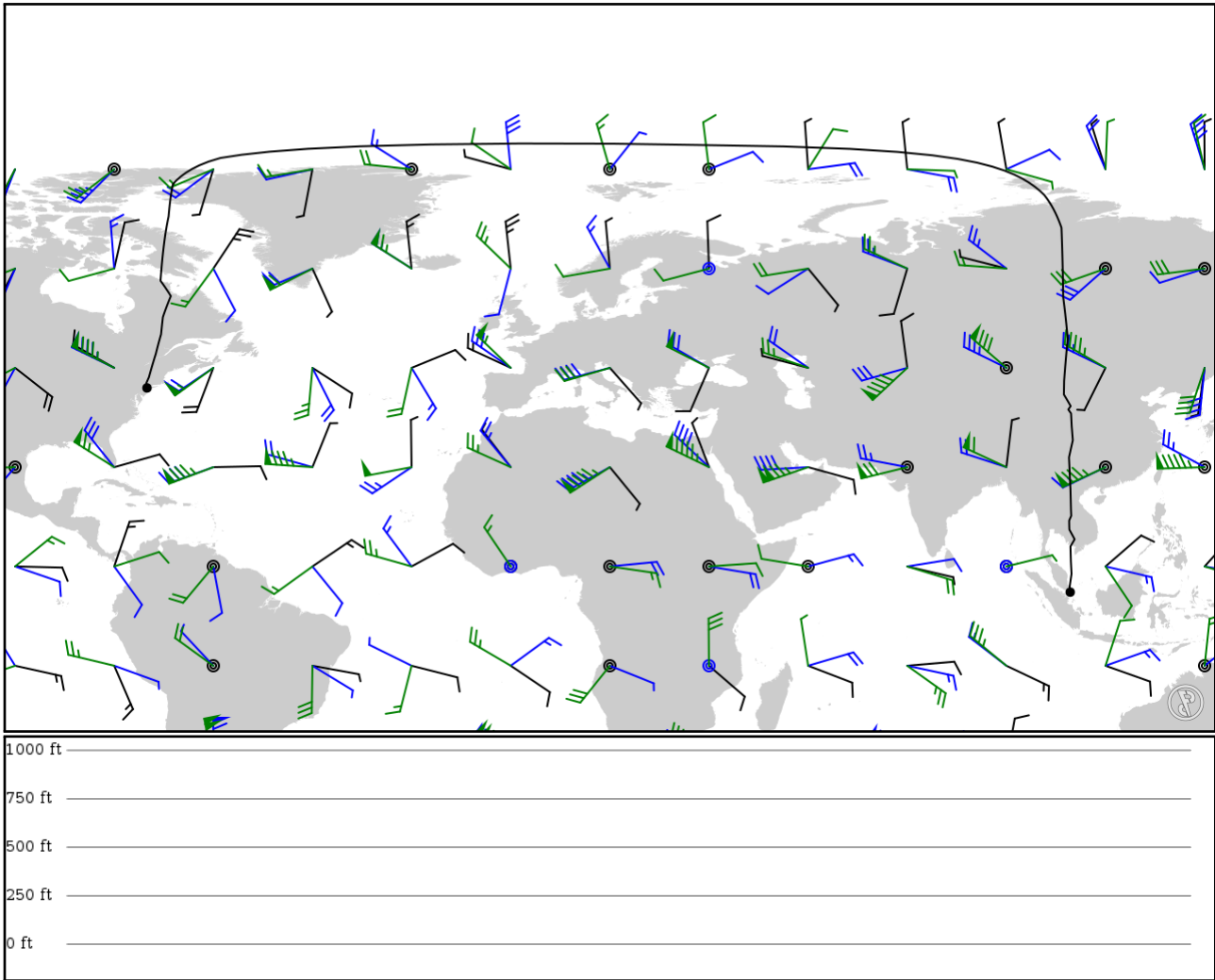
SIA22

KEWR
Newark

2024/05/20 1016Z

WSSS VTK VTK21 VMR ROBMO EGOLO VEPLI ENREP IPRIX BITOD ADBOP PQU OSOTA PNH SRE BIDEK PEKBA PASAT
GRASO GUROK SKN BQ LAOCI ZAT WFX OMBON ELPAN BESMI DNC JTA YBL GOBIN MORIT LETBI LIMKI
7158N10230E TABUS ABERI PELRI 8000N6915W DAPAK 6135N7156W 5840N6957W 5434N7110W 5105N7145W
4725N7247W ALB ACOVE TALCO WEETS HELON 4133N7420W CRANK SHAFF SAX KEWR

8410.64 nm / 15576.50 km



Notes

Updated:

VTK B338 VMR ROBMO EGOLO VEPLI ENREP IPRIX BITOD ADBOP PQU OSOTA PNH SRE BIDEK PEKBA PASAT GRASO GUROK SKN BQ LAOCI

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
WSSS	-	1.35551	0 ft	-	-
APT	-	103.98800	0 m		
VTK	-	1.41538	0 ft	4	-
VOR	-	104.02200	0 m		
VTK21	-	1.75833	0 ft	20	-
FIX	-	103.97000	0 m		
VMR	-	2.38833	0 ft	38	-
VOR	-	103.87200	0 m		
ROBMO	-	2.91110	0 ft	31	-
FIX	-	103.95000	0 m		
EGOLO	-	3.32670	0 ft	25	-
FIX	-	104.01300	0 m		
VEPLI	-	3.87306	0 ft	33	-
FIX	-	104.09500	0 m		
ENREP	-	4.87306	0 ft	60	-
FIX	-	104.24500	0 m		
IPRIX	-	7.00000	0 ft	127	-
FIX	-	104.13200	0 m		
BITOD	-	7.25667	0 ft	15	-
FIX	-	104.11800	0 m		
ADBOP	-	8.50000	0 ft	74	-
FIX	-	104.08300	0 m		
PQU	-	10.16530	0 ft	100	-
VOR	-	104.03900	0 m		
OSOTA	-	10.55190	0 ft	26	-
FIX	-	104.26400	0 m		
PNH	-	11.54400	0 ft	68	-
VOR	-	104.84400	0 m		
SRE	-	13.41500	0 ft	127	-
DME	-	103.82200	0 m		
BIDEM	-	14.36500	0 ft	57	-
FIX	-	103.79700	0 m		
PEKBA	-	14.80210	0 ft	26	-
FIX	-	103.79200	0 m		
PASAT	-	14.95740	0 ft	9	-
FIX	-	103.79100	0 m		
GRASO	-	15.15470	0 ft	11	-
FIX	-	103.78700	0 m		
GUROK	-	16.05820	0 ft	58	-
FIX	-	104.18500	0 m		
SKN	-	17.21410	0 ft	69	-
VOR	-	104.13700	0 m		
BQ	-	21.21490	0 ft	240	-
NDB	-	104.03800	0 m		
LAOCI	-	22.48670	0 ft	76	-
FIX	-	103.96500	0 m		
ZAT	-	27.32330	0 ft	290	-
VOR	-	103.75500	0 m		
WFX	-	30.60670	0 ft	200	-
VOR	-	104.49200	0 m		
OMBON	-	33.35670	0 ft	165	-
FIX	-	104.27200	0 m		
ELPAN	-	34.97670	0 ft	97	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	104.19200	0 m		
BESMI	-	35.77670	0 ft	48	-
FIX	-	104.15200	0 m		
DNC	-	36.54040	0 ft	52	-
VOR	-	103.61900	0 m		
JTA	-	37.19670	0 ft	45	-
VOR	-	104.08000	0 m		
YBL	-	39.42830	0 ft	147	-
DME	-	102.77200	0 m		
GOBIN	-	41.50000	0 ft	124	-
FIX	-	102.80800	0 m		
MORIT	-	42.03330	0 ft	32	-
FIX	-	102.81700	0 m		
LETBI	-	50.19830	0 ft	491	-
FIX	-	103.51000	0 m		
LIMKI	-	58.15060	0 ft	478	-
FIX	-	102.64200	0 m		
7158N10230E	-	71.58000	0 ft	806	-
LATLON	-	102.30000	0 m		
TABUS	-	77.86690	0 ft	381	-
FIX	-	98.98530	0 m		
ABERI	-	87.50000	0 ft	683	-
FIX	-	32.00000	0 m		
PELRI	-	85.00000	0 ft	340	-
FIX	-	-60.00000	0 m		
8000N6915W	-	80.00000	0 ft	307	-
LATLON	-	-69.15000	0 m		
DAPAK	-	73.75000	0 ft	375	-
FIX	-	-70.00000	0 m		
6135N7156W	-	61.35000	0 ft	745	-
LATLON	-	-71.56000	0 m		
5840N6957W	-	58.40000	0 ft	187	-
LATLON	-	-69.57000	0 m		
5434N7110W	-	54.34000	0 ft	249	-
LATLON	-	-71.10000	0 m		
5105N7145W	-	51.05000	0 ft	197	-
LATLON	-	-71.45000	0 m		
4725N7247W	-	47.25000	0 ft	231	-
LATLON	-	-72.47000	0 m		
ALB	-	42.74730	0 ft	276	-
VOR	-	-73.80320	0 m		
ACOVE	-	42.23480	0 ft	32	-
FIX	-	-74.03180	0 m		
TALCO	-	42.06280	0 ft	10	-
FIX	-	-74.10770	0 m		
WEETS	-	41.85750	0 ft	12	-
FIX	-	-74.19760	0 m		
HELON	-	41.66740	0 ft	12	-
FIX	-	-74.28040	0 m		
4133N7420W	-	41.33000	0 ft	20	-
LATLON	-	-74.20000	0 m		
CRANK	-	41.41660	0 ft	9	-
FIX	-	-74.38890	0 m		
SHAFF	-	41.28970	0 ft	8	-
FIX	-	-74.44340	0 m		
SAX	-	41.06750	0 ft	14	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	-	-74.53830	0 m		
KEWR	-	40.69360	0 ft	28	-
APT	-	-74.16860	0 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 201000Z 14006KT 100V160 9999 FEW018 SCT270 29/26 Q1005 NOSIG

TAF

TAF AMD WSSS 200800Z 2008/2112 16009KT 9999 FEW015 SCT020

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

KEWR

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

Elevation: 17 ft / 5 m
Location: 40.693600 -74.168600
Magnetic Var: 12.650 W

METAR

KEWR 200951Z 05003KT 10SM FEW017 FEW250 13/12 A3002 RMK A02 SLP166 T01330117 \$

TAF

KEWR 200841Z 2009/2112 VRB04KT P6SM SCT020 FM201000 02005KT P6SM BKN030 TEMPO 2010/2013 BKN025 FM201500 09005KT P

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