

# VABB

Bombay Mumbai Chhatrapati Shivaji Intl

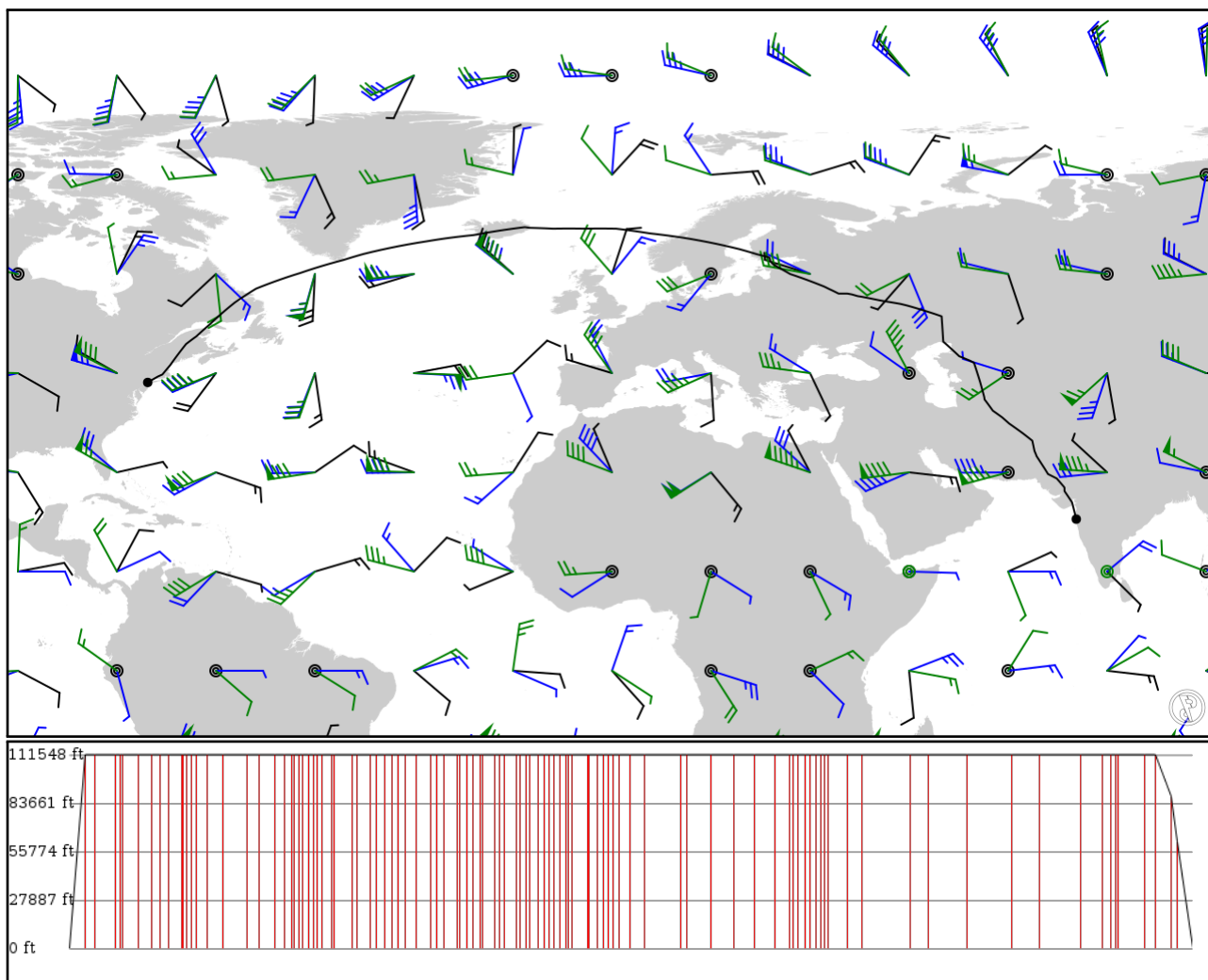
# KEWR

Newark Liberty Intl

2024/06/05 0745Z

VABB BOFIN **G210** VASLA SASRO **G208** KE **B210** NH **B466** CHARN **G792** MSD **G775** ASB **A240** AFGAN **W16** TARAM  
**A107** URASA BODSI **W16** ATR **A122** URL **G3** FV **R11** TU **R58** SOPKA KUDIM **R58** NOTAR **UL855** VTI **UP855** ABADA  
6500N0000E 6500N0500W 6500N01000W NF **R2** ES **G2** KEF **5E20** YR **J564** PQI **J55** ENE **J581** PUT **J42** HFD KEWR

7017.87 nm / 12997.10 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes

- Use low airways: no
- Use high airways: yes

## Route

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
VABB	-	19.08898	0 ft	-	Bombay	Mumbai Chhatrapati Shivaji Intl
APT	-	72.86591	0 m			
BOFIN	-	20.71241	34,000 ft	100	-	
FIX	-	72.45887	10,363 m			
BVR	G210	21.75008	34,000 ft	64	BHAVNAGAR	VOR-DME
VOR	AWY-HI	72.18892	10,363 m			
VASLA	G210	23.52132	34,000 ft	125	-	
FIX	AWY-HI	70.99961	10,363 m			
SASRO	-	24.07128	34,000 ft	33	-	
FIX	-	70.99961	10,363 m			
PARTY	G208	24.24389	34,000 ft	12	-	
FIX	AWY-HI	70.86639	10,363 m			
KE	G208	25.52009	34,000 ft	97	CHOR	NDB
NDB	AWY-HI	69.77091	10,363 m			
NH	B210	26.21764	34,000 ft	85	NAWABSHAH	VOR-DME
VOR	AWY-HI	68.38583	10,363 m			
SAREK	B466	27.01694	34,000 ft	54	-	
FIX	AWY-HI	67.89500	10,363 m			
SHANO	B466	27.76000	34,000 ft	51	-	
FIX	AWY-HI	67.41361	10,363 m			
GASIR	B466	28.88861	34,000 ft	78	-	
FIX	AWY-HI	66.68028	10,363 m			
KALAT	B466	29.03333	34,000 ft	10	-	
FIX	AWY-HI	66.58361	10,363 m			
BARBI	B466	29.35000	34,000 ft	19	-	
FIX	AWY-HI	66.46694	10,363 m			
SERKA	B466	29.85000	34,000 ft	32	-	
FIX	AWY-HI	66.25028	10,363 m			
ELEKO	B466	30.33473	34,000 ft	29	-	
FIX	AWY-HI	66.14583	10,363 m			
PAROD	B466	31.48333	34,000 ft	70	-	
FIX	AWY-HI	65.90000	10,363 m			
BAGNI	B466	32.62500	34,000 ft	101	-	
FIX	AWY-HI	64.44167	10,363 m			
GEROR	B466	34.21000	34,000 ft	146	-	
FIX	AWY-HI	62.22167	10,363 m			
CHARN	B466	35.16858	34,000 ft	78	-	
FIX	AWY-HI	61.13536	10,363 m			
MSD	G792	36.23117	34,000 ft	96	MASHHAD	VOR-DME
VOR	AWY-HI	59.65058	10,363 m			
MIDMO	G775	37.09528	34,000 ft	60	-	
FIX	AWY-HI	59.02333	10,363 m			
ORPAB	G775	37.70000	34,000 ft	42	-	
FIX	AWY-HI	58.57500	10,363 m			
ASB	G775	37.98500	34,000 ft	20	ASHGABAT	VOR-DME
VOR	AWY-HI	58.35167	10,363 m			
AFGAN	A240	38.40000	34,000 ft	25	-	
FIX	AWY-HI	58.28333	10,363 m			
RAMIK	W16	38.80500	34,000 ft	24	-	
FIX	AWY-HI	58.17667	10,363 m			
DOKAN	W16	39.48167	34,000 ft	41	-	
FIX	AWY-HI	57.99333	10,363 m			
VARAN	W16	39.89333	34,000 ft	25	-	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	57.88167	10,363 m		
KENEP	W16	40.32500	34,000 ft	26	-
FIX	AWY-HI	57.76167	10,363 m		
LINDA	W16	40.78333	34,000 ft	28	-
FIX	AWY-HI	57.63333	10,363 m		
GIREK	W16	41.72333	34,000 ft	57	-
FIX	AWY-HI	57.34167	10,363 m		
OTGIB	W16	42.06500	34,000 ft	21	-
FIX	AWY-HI	57.23333	10,363 m		
TARAM	W16	43.80000	34,000 ft	107	-
FIX	AWY-HI	56.66667	10,363 m		
URASA	A107	44.14667	34,000 ft	35	-
FIX	AWY-HI	56.00000	10,363 m		
BODSI	-	44.84278	34,000 ft	83	-
FIX	-	54.32056	10,363 m		
ANIGA	W16	45.35833	34,000 ft	38	-
FIX	AWY-HI	53.77972	10,363 m		
OTMAS	W16	45.98944	34,000 ft	47	-
FIX	AWY-HI	53.09944	10,363 m		
RENPI	W16	46.57694	34,000 ft	44	-
FIX	AWY-HI	52.44889	10,363 m		
ATR	W16	47.14389	34,000 ft	43	ATYRAU VOR-DME
VOR	AWY-HI	51.80278	10,363 m		
OLAPU	A122	47.86278	34,000 ft	43	-
FIX	AWY-HI	51.75861	10,363 m		
BAGIR	A122	49.02528	34,000 ft	69	-
FIX	AWY-HI	51.68500	10,363 m		
DOKUS	A122	50.42750	34,000 ft	84	-
FIX	AWY-HI	51.59111	10,363 m		
URL	A122	51.14583	34,000 ft	43	URALSK VOR-DME
VOR	AWY-HI	51.54083	10,363 m		
ARISA	G3	51.49000	34,000 ft	42	-
FIX	AWY-HI	50.54833	10,363 m		
ABARO	G3	52.12333	34,000 ft	82	-
FIX	AWY-HI	48.56167	10,363 m		
BATUR	G3	52.25167	34,000 ft	17	-
FIX	AWY-HI	48.13667	10,363 m		
PEGAS	G3	52.58500	34,000 ft	45	-
FIX	AWY-HI	47.02167	10,363 m		
OG	G3	52.85000	34,000 ft	37	RUSSKY KAMESHKIR NDB
NDB	AWY-HI	46.08333	10,363 m		
UWPP	G3	53.11000	34,000 ft	41	-
APT	AWY-HI	45.02333	10,363 m		
LUKER	G3	53.20833	34,000 ft	20	-
FIX	AWY-HI	44.47333	10,363 m		
HB	G3	53.51667	34,000 ft	69	ZEMETCHINO NDB
NDB	AWY-HI	42.61667	10,363 m		
LOOLA	G3	53.53167	34,000 ft	4	-
FIX	AWY-HI	42.50333	10,363 m		
QL	G3	53.68333	34,000 ft	30	ALGASOVO NDB
NDB	AWY-HI	41.68333	10,363 m		
OBESO	G3	53.83333	34,000 ft	27	-
FIX	AWY-HI	40.95417	10,363 m		
FE	G3	54.24028	34,000 ft	76	OKTYABRSKIY NDB
NDB	AWY-HI	38.90222	10,363 m		
FV	G3	54.34556	34,000 ft	24	VENEV NDB

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NDB	AWY-HI	38.23861	10,363 m		
IN	R11	54.60889	34,000 ft	35	SUKHOTINO NDB
NDB	AWY-HI	37.32361	10,363 m		
IP	R11	54.73333	34,000 ft	24	ZAKHAROVKA NDB
NDB	AWY-HI	36.65000	10,363 m		
UK	R11	54.73750	34,000 ft	49	YUKHNOV NDB
NDB	AWY-HI	35.22111	10,363 m		
SATAL	R11	55.14639	34,000 ft	37	-
FIX	AWY-HI	34.40306	10,363 m		
IDERA	R11	55.47500	34,000 ft	30	-
FIX	AWY-HI	33.70500	10,363 m		
TU	R11	55.85417	34,000 ft	34	BELY NDB
NDB	AWY-HI	32.93917	10,363 m		
OLMET	R58	56.17833	34,000 ft	33	-
FIX	AWY-HI	32.12000	10,363 m		
SOPKA	R58	56.58167	34,000 ft	42	-
FIX	AWY-HI	31.08333	10,363 m		
KUDIM	-	56.71806	34,000 ft	14	-
FIX	-	30.71944	10,363 m		
GUBIT	R58	56.94139	34,000 ft	23	-
FIX	AWY-HI	30.11611	10,363 m		
PE	R58	57.81667	34,000 ft	96	PECHORY NDB
NDB	AWY-HI	27.60000	10,363 m		
NOTAR	R58	57.83000	34,000 ft	1	-
FIX	AWY-HI	27.56167	10,363 m		
PILET	UL855	58.56056	34,000 ft	59	-
FIX	AWY-HI	26.27861	10,363 m		
GONOS	UL855	58.94250	34,000 ft	31	-
FIX	AWY-HI	25.57694	10,363 m		
TLL	UL855	59.41133	34,000 ft	36	TALLINN VOR-DME
VOR	AWY-HI	24.83844	10,363 m		
DOBAN	UL855	59.79944	34,000 ft	26	-
FIX	AWY-HI	24.45250	10,363 m		
VTI	UL855	60.45925	34,000 ft	40	VIHTI VOR-DME
VOR	AWY-HI	24.24407	10,363 m		
ATRIV	UP855	60.95000	34,000 ft	63	-
FIX	AWY-HI	22.33000	10,363 m		
TOGMI	UP855	61.76194	34,000 ft	93	-
FIX	AWY-HI	19.54028	10,363 m		
SOLKA	UP855	63.33083	34,000 ft	227	-
FIX	AWY-HI	12.05250	10,363 m		
TRM	UP855	63.52587	34,000 ft	33	TRONDHEIM VOR-DME
VOR	AWY-HI	10.89007	10,363 m		
ABADA	UP855	64.26556	34,000 ft	154	-
FIX	AWY-HI	5.29806	10,363 m		
6500N0000E	-	65.00000	34,000 ft	143	-
LATLON	-	0.00000	10,363 m		
6500N0500W	-	65.00000	34,000 ft	126	-
LATLON	-	-5.00000	10,363 m		
6500N01000W	-	65.00000	34,000 ft	126	-
LATLON	-	-10.00000	10,363 m		
NF	-	65.13444	34,000 ft	94	NORDFJORDUR NDB
NDB	-	-13.73639	10,363 m		
ES	R2	65.23847	34,000 ft	19	EGILSSTADIR NDB
NDB	AWY-HI	-14.45203	10,363 m		
BRUSI	G2	65.07889	34,000 ft	33	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-15.73111 10,363 m			
ASKJA	G2	64.87083 34,000 ft	40	-	
FIX	AWY-HI	-17.26222 10,363 m			
ARNAR	G2	64.68083 34,000 ft	34	-	
FIX	AWY-HI	-18.55028 10,363 m			
BLAMI	G2	64.48000 34,000 ft	34	-	
FIX	AWY-HI	-19.81972 10,363 m			
TIBRA	G2	64.29278 34,000 ft	30	-	
FIX	AWY-HI	-20.92833 10,363 m			
MURTA	G2	64.13583 34,000 ft	24	-	
FIX	AWY-HI	-21.81111 10,363 m			
KEF	G2	63.98681 34,000 ft	22		KEFLAVIK VORTAC
VOR	AWY-HI	-22.61450 10,363 m			
EMBLA	5E20	63.47000 34,000 ft	120	-	
FIX	AWY-HI	-26.98167 10,363 m			
6330N	5E20	63.00000 34,000 ft	86	-	
FIX	AWY-HI	-30.00000 10,363 m			
6140N	5E20	61.00000 34,000 ft	306	-	
FIX	AWY-HI	-40.00000 10,363 m			
OZN	5E20	60.05722 34,000 ft	109		PRINS CHRISTIAN SUND NDB
NDB	AWY-HI	-43.15972 10,363 m			
5850N	5E20	58.00000 34,000 ft	244	-	
FIX	AWY-HI	-50.00000 10,363 m			
LOACH	5E20	55.51667 34,000 ft	274	-	
FIX	AWY-HI	-57.01667 10,363 m			
YR	5E20	53.33833 34,000 ft	175		GOOSE NDB
NDB	AWY-HI	-60.36667 10,363 m			
PN	J564	49.83756 34,000 ft	258		PORT MENIER NDB
NDB	AWY-HI	-64.38628 10,363 m			
CL	J564	48.00889 34,000 ft	136		CHARLO NDB
NDB	AWY-HI	-66.43694 10,363 m			
TAFFY	J564	47.37338 34,000 ft	51	-	
FIX	AWY-HI	-67.30390 10,363 m			
PQI19	J564	47.00922 34,000 ft	29	-	
FIX	AWY-HI	-67.78471 10,363 m			
PQI	J564	46.77419 34,000 ft	18		PRESQUE ISLE VOR-DME
DME	AWY-HI	-68.09454 10,363 m			
FRIAR	J55	44.44137 34,000 ft	159	-	
FIX	AWY-HI	-69.88455 10,363 m			
ENE	J55	43.42567 34,000 ft	68		KENNEBUNK VORTAC
VOR	AWY-HI	-70.61353 10,363 m			
PUT	J581	41.95547 26,700 ft	103		PUTNAM VOR-DME
VOR	AWY-HI	-71.84408 8,138 m			
HFD	J42	41.64111 18,800 ft	36		HARTFORD VOR-DME
VOR	AWY-HI	-72.54742 5,730 m			
KEWR	-	40.69363 0 ft	92		Newark Liberty Intl
APT	-	-74.16856 0 m			

## VABB

Region: INDIA  
Timezone: ASIA/KOLKATA  
Runways: 2

Elevation: 39 ft / 12 m  
Location: 19.089100 72.865600  
Magnetic Var: 0.261 E

## METAR

VABB 050730Z 28011KT 4000 HZ FEW020 SCT025 34/25 Q1008 NOSIG

## TAF

TAF VABB 050500Z 0506/0612 25010KT 3000 -RA HZ SCT018 SCT025 BKN090 TEMPO 0506/0512 23007G17KT 2000 -RA SHRA SCT018

## Frequencies

REC - 126.40 MHz - MUMBAI INFORMATION	GND - 121.75 MHz - MUMBAI GROUND
GND - 121.85 MHz - MUMBAI GROUND	GND - 121.90 MHz - MUMBAI GROUND
TWR - 118.10 MHz - MUMBAI TOWER	TWR - 122.50 MHz - MUMBAI TOWER
APP - 119.30 MHz - MUMBAI APPROACH	APP - 120.35 MHz - MUMBAI APPROACH
APP - 127.90 MHz - MUMBAI APPROACH	APP - 120.50 MHz - MUMBAI RADAR
APP - 125.35 MHz - MUMBAI RADAR	APP - 132.70 MHz - MUMBAI RADAR

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	197 ft	11,297 ft	89.15	ASPHALT	466 ft	0 ft
	60 m	3,443 m	88.89		142 m	0 m
27	197 ft	11,297 ft	269.16	ASPHALT	1,585 ft	135 ft
	60 m	3,443 m	268.90		483 m	41 m
14	150 ft	9,434 ft	134.27	ASPHALT	1,339 ft	203 ft
	46 m	2,875 m	134.01		408 m	62 m
32	150 ft	9,434 ft	314.28	ASPHALT	853 ft	203 ft
	46 m	2,875 m	314.02		260 m	62 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	IBOM	109.50 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
14	DME	IBBY	110.10 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
27	DME	ISCZ	110.30 MHz	18 nm	-	-	37 ft
				33 km	-		37 m
09	LOC-ILS	IBOM	109.50 MHz	18 nm	89.16	-	39 ft
				33 km	88.90		39 m
14	LOC-ILS	IBBY	110.10 MHz	18 nm	134.28	-	39 ft
				33 km	134.02		39 m
27	LOC-ILS	ISCZ	110.30 MHz	18 nm	269.16	-	39 ft
				33 km	268.90		39 m
09	GS	IBOM	109.50 MHz	10 nm	89.16	3.00	39 ft
				19 km	88.90		39 m
14	GS	IBBY	110.10 MHz	10 nm	134.28	3.00	39 ft
				19 km	134.02		39 m
27	GS	ISCZ	110.30 MHz	10 nm	269.16	3.30	39 ft
				19 km	268.90		39 m

## KEWR

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 3

Elevation: 17 ft / 5 m  
Location: 40.693600 -74.168600  
Magnetic Var: 12.649 W

## METAR

KEWR 050651Z 17004KT 8SM BKN019 OVC075 19/17 A2998 RMK AO2 SLP150 T01890172

## TAF

TAF KEWR 050526Z 0506/0612 17004KT P6SM SCT010 FM050700 17004KT 3SM BR BKN007 TEMPO 0508/0512 1SM BR OVC004 FM0514

## 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