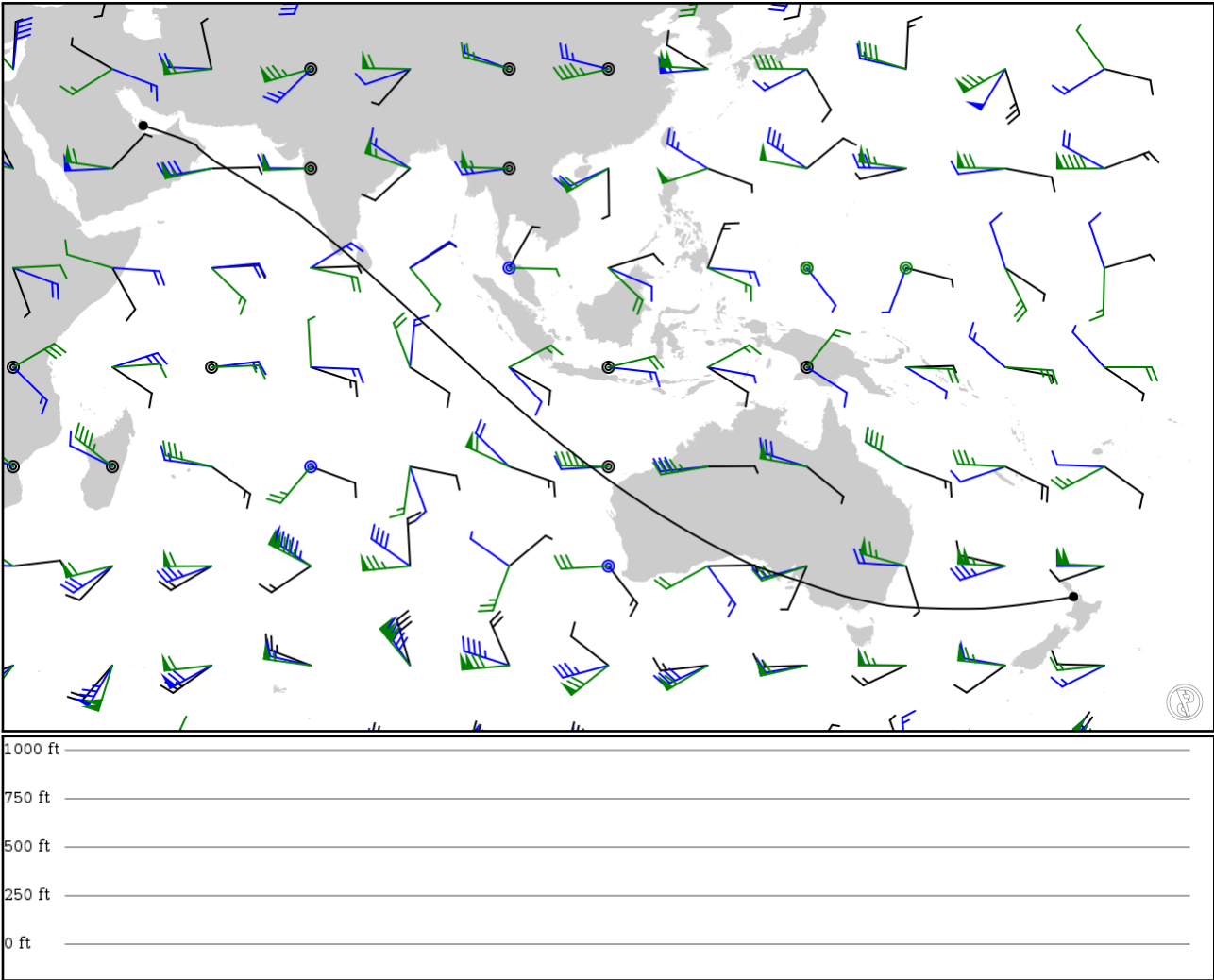


2024/06/07 0507Z

OTBD LAKLU TOLDA **P570** EMURU **M300** IGAMA BIKOK KAT ELATI EMVAS ISLAV AD APPLE **Y108** GEMAC **N759** SASRO  
NZAA

7898.92 nm / 14628.80 km



Notes

Requested: OTBD PATIS UT800 DASUT UT800 VEKEL UT800 MIRIT Z151 BOTOV Z178 LAKLU N318 TOLDA P570 EMURU M300 IGAMA P  
Unmatched points: PATIS UT800 DASUT UT800 VEKEL UT800 MIRIT Z151 BOTOV Z178 N318 P895 M641 N640 N640 N640 N640 V25

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
OTBD	-	25.26106	0 ft	-	DOHA INTL
APT	-	51.56500	0 m		
LAKLU	-	23.37639	0 ft	321	-
FIX	-	57.06694	0 m		
TOLDA	-	22.66889	0 ft	95	-
FIX	-	58.60667	0 m		
EMURU	P570	22.23250	0 ft	30	-
FIX	AWY-HI	58.89389	0 m		
GADMA	M300	21.24417	0 ft	92	-
FIX	AWY-HI	60.16056	0 m		
LOTAV	M300	20.61667	0 ft	58	-
FIX	AWY-HI	60.95000	0 m		
KADOL	M300	19.00089	0 ft	178	-
FIX	AWY-HI	63.60061	0 m		
LEMAX	M300	17.61767	0 ft	149	-
FIX	AWY-HI	65.78364	0 m		
MESAN	M300	16.26778	0 ft	148	-
FIX	AWY-LO	67.94169	0 m		
NITIX	M300	15.11786	0 ft	125	-
FIX	AWY-HI	69.74981	0 m		
OSIRI	M300	14.35128	0 ft	83	-
FIX	AWY-LO	70.94964	0 m		
IGAMA	M300	13.68467	0 ft	73	-
FIX	AWY-LO	71.99950	0 m		
BIKOK	-	8.28509	0 ft	506	-
FIX	-	78.59869	0 m		
KAT	-	7.16127	0 ft	101	BANDARANAIKE VOR-DME
VOR	-	79.86850	0 m		
ELATI	-	-2.00000	0 ft	817	-
FIX	-	89.96167	0 m		
EMVAS	-	-11.47000	0 ft	846	-
FIX	-	100.49500	0 m		
ISLAV	-	-32.86056	0 ft	2172	-
FIX	-	132.34667	0 m		
AD	-	-34.94639	0 ft	333	ADELAIDE NDB
NDB	-	138.54611	0 m		
APPLE	-	-36.92750	0 ft	307	-
FIX	-	144.38639	0 m		
GEMAC	Y108	-38.22389	0 ft	293	-
FIX	AWY-LO	150.32500	0 m		
MIKEL	N759	-38.59583	0 ft	339	-
FIX	AWY-HI	157.53472	0 m		
OSTIN	N759	-38.62000	0 ft	132	-
FIX	AWY-LO	160.35194	0 m		
SASRO	N759	-38.58078	0 ft	124	-
FIX	AWY-HI	163.00000	0 m		
NZAA	-	-37.01079	0 ft	566	Auckland International
APT	-	174.78733	0 m		

## OTBD

Region: QATAR  
Timezone: ASIA/QATAR  
Runways: 1

Elevation: 37 ft / 11 m  
Location: 25.261100 51.565100  
Magnetic Var: 2.780 E

## METAR

OTBD 070430Z AUTO 23004KT 190V280 CAVOK 37/07 Q1003 NOSIG

## TAF

TAF OTBD 062300Z 0700/0806 18004KT CAVOK TEMPO 0700/0704 25005KT TEMPO 0700/0706 VRB03KT BECMG 0706/0708 09009KT

## Frequencies

REC - 126.45 MHz - ATIS  
TWR - 118.65 MHz -  
APP - 121.10 MHz -  
TWR - 121.80 MHz - GND  
TWR - 118.90 MHz -  
APP - 119.40 MHz -

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	151 ft	15,014 ft	158.21	ASPHALT	2,461 ft	0 ft
	46 m	4,576 m	155.43		750 m	0 m
33	151 ft	15,014 ft	338.21	ASPHALT	0 ft	459 ft
	46 m	4,576 m	335.43		0 m	140 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
33	DME	IBD	109.50 MHz	18 nm	-	-	35 ft
				33 km	-		35 m
15	LOC-ILS	AMD	108.50 MHz	18 nm	158.21	-	37 ft
				33 km	155.43		37 m
33	LOC-ILS	IBD	109.50 MHz	18 nm	338.21	-	37 ft
				33 km	335.43		37 m
15	GS	AMD	108.50 MHz	10 nm	158.21	3.00	37 ft
				19 km	155.43		37 m
33	GS	IBD	109.50 MHz	10 nm	338.21	3.00	35 ft
				19 km	335.43		35 m

## NZAA

Region: NEW ZEALAND AND ANTARCTICA  
Timezone: PACIFIC/AUCKLAND  
Runways: 1

Elevation: 23 ft / 7 m  
Location: -37.008100 174.792000  
Magnetic Var: 20.183 E

## METAR

NZAA 070430Z AUTO 03005KT 9999 SCT025/// BKN033/// OVC042/// 16/12 Q1022

## TAF

TAF NZAA 070205Z 0703/0806 05010KT 9999 BKN025 TEMPO 0715/0718 BKN014

## Frequencies

REC - 127.80 MHz - ATIS	REC - 127.00 MHz - ATIS
GND - 121.90 MHz - AUCKLAND GROUND	TWR - 118.70 MHz - AUCKLAND TOWER
TWR - 120.95 MHz - AUCKLAND TOWER	CLD - 128.20 MHz - CLEARANCE DELIVERY
APP - 120.10 MHz - AUCKLAND APPROACH	APP - 124.30 MHz - AUCKLAND APPROACH
APP - 129.50 MHz - AUCKLAND APPROACH	APP - 129.60 MHz - AUCKLAND APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05R	151 ft	12,040 ft	70.92	CONCRETE	1,250 ft	0 ft
	46 m	3,670 m	50.74		381 m	0 m
23L	151 ft	12,040 ft	250.90	CONCRETE	0 ft	131 ft
	46 m	3,670 m	230.72		0 m	40 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05R	DME	IAA	110.30 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
23L	DME	IMG	109.90 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
05R	LOC-ILS	IAA	110.30 MHz	18 nm	70.91	-	23 ft
				33 km	50.73		23 m
23L	LOC-ILS	IMG	109.90 MHz	18 nm	250.91	-	23 ft
				33 km	230.73		23 m
05R	GS	IAA	110.30 MHz	10 nm	70.91	3.00	23 ft
				19 km	50.73		23 m
23L	GS	IMG	109.90 MHz	10 nm	250.91	3.00	23 ft
				19 km	230.73		23 m