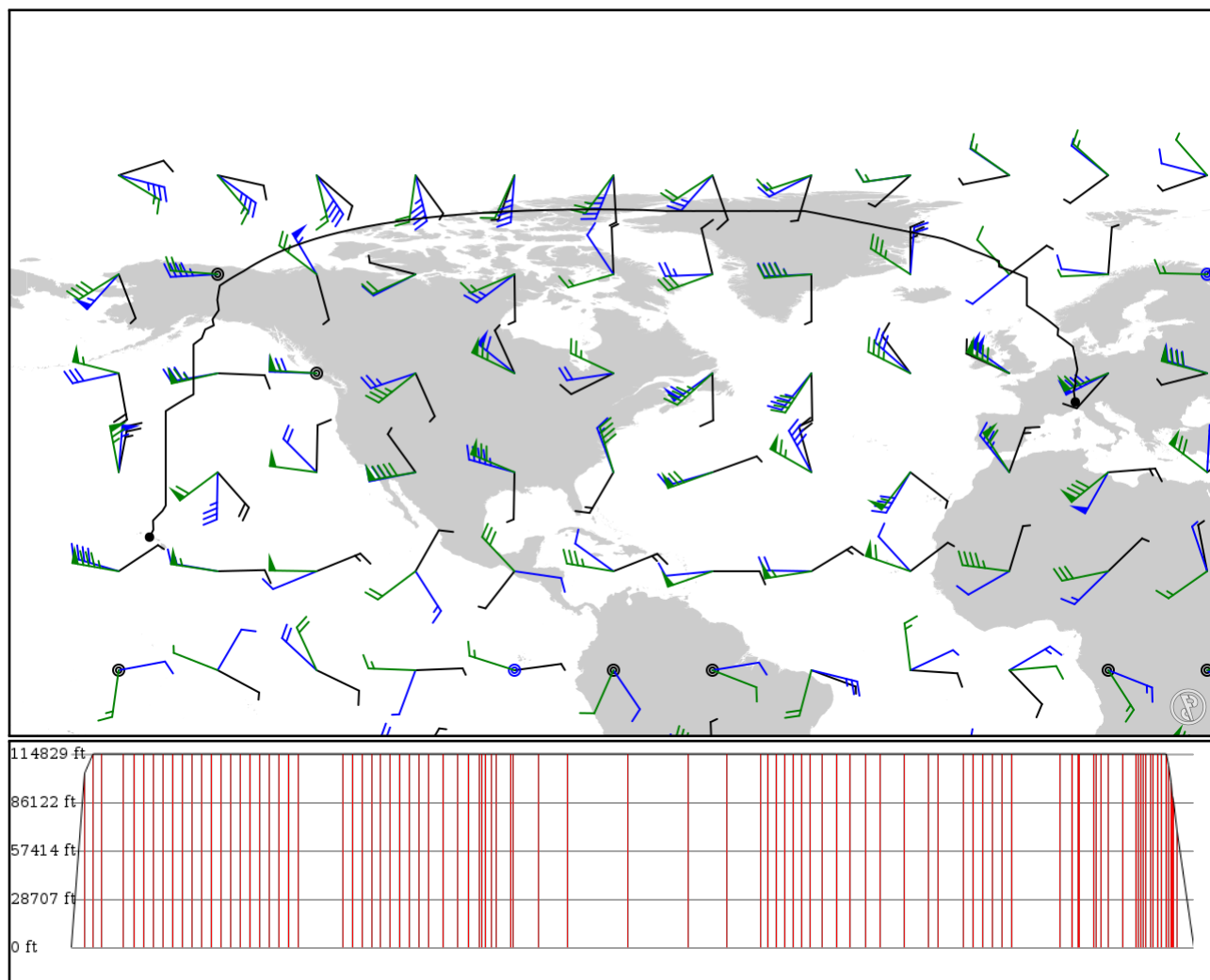


2024/05/26 1346Z

PHNL ATINE **V7** ZIGIE **A331** ZURIC 2700N15500W 2800N15500W 2900N15500W 3000N15500W 3100N15500W
3200N15500W 3300N15500W 3400N15500W 3500N15500W 3600N15500W 3700N15500W 3800N15500W 3900N15500W
4000N15500W 4100N15500W 4200N15500W 4300N15500W 4400N15500W 4700N15000W 4800N15000W 4900N15000W
5000N15000W 5100N15000W 5200N15000W 5300N15000W 5400N15000W 5500N15000W 5600N15000W GRIZZ ZAXUM
T264 MDO ALJ **B25** SHOPE FIDAL **T226** GKN **J167** DONEL **T226** BIG **V481** FYU **J160** ADREW **M453** ROGSO
8000N06500W 8000N06000W 8000N05500W 8000N05000W 8000N04500W 8000N04000W 7900N03500W 7800N03000W
7700N02500W 7600N02000W 7500N01500W 7300N01000W 7100N0500W 7000N0500W 6800N0000E 6700N0000E
6600N0000E 6500N0000E 6400N0000E ISVIG **UP992** ZOL **UP603** RIRUT **UP619** MITSU **P619** NAVIK VES **UZ710** WRB
UN850 BOMBI **N850** NEKOM **T722** LAMGO **T721** TRA **N850** RIPUS LIMC

6989.96 nm / 12945.40 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 43000ft
- Cruise Speed: 420kts

- Descent Rate: 4000ft/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
PHNL	-	21.31938	0 ft	-	Honolulu Intl
APT	-	-157.92128	0 m		
ATINE	-	22.64113	31,500 ft	88	-
FIX	-	-157.22400	9,601 m		
BERLE	V7	23.47808	35,000 ft	50	-
FIX	AWY-LO	-157.25597	10,668 m		
ZIGIE	V7	24.31369	35,000 ft	50	-
FIX	AWY-LO	-157.28536	10,668 m		
ZURIC	A331	26.03239	35,000 ft	138	-
FIX	AWY-LO	-155.58922	10,668 m		
2700N15500W	-	27.00000	35,000 ft	66	-
LATLON	-	-155.00000	10,668 m		
2800N15500W	-	28.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
2900N15500W	-	29.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3000N15500W	-	30.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3100N15500W	-	31.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3200N15500W	-	32.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3300N15500W	-	33.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3400N15500W	-	34.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3500N15500W	-	35.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3600N15500W	-	36.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3700N15500W	-	37.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3800N15500W	-	38.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
3900N15500W	-	39.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4000N15500W	-	40.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4100N15500W	-	41.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4200N15500W	-	42.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4300N15500W	-	43.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4400N15500W	-	44.00000	35,000 ft	60	-
LATLON	-	-155.00000	10,668 m		
4700N15000W	-	47.00000	35,000 ft	276	-
LATLON	-	-150.00000	10,668 m		
4800N15000W	-	48.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
4900N15000W	-	49.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5000N15000W	-	50.00000	35,000 ft	60	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-150.00000	10,668 m		
5100N15000W	-	51.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5200N15000W	-	52.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5300N15000W	-	53.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5400N15000W	-	54.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5500N15000W	-	55.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
5600N15000W	-	56.00000	35,000 ft	60	-
LATLON	-	-150.00000	10,668 m		
GRIZZ	-	57.11495	35,000 ft	83	-
FIX	-	-148.50199	10,668 m		
ZAXUM	-	58.68761	35,000 ft	96	-
FIX	-	-147.89061	10,668 m		
MDO	T264	59.42181	35,000 ft	64	MIDDLETON ISLAND VOR-DME
DME	AWY-LO	-146.35001	10,668 m		
ALJ	-	60.47983	35,000 ft	63	ORCA BAY NDB
NDB	-	-146.58744	10,668 m		
SHOPE	B25	60.72484	35,000 ft	15	-
FIX	AWY-LO	-146.43524	10,668 m		
FIDAL	-	60.73408	35,000 ft	0	-
FIX	-	-146.43345	10,668 m		
ROBES	T226	61.09758	35,000 ft	22	-
FIX	AWY-LO	-146.19036	10,668 m		
KLUNG	T226	61.76022	35,000 ft	41	-
FIX	AWY-LO	-145.73019	10,668 m		
GKN	T226	62.15375	35,000 ft	24	GULKANA VOR-DME
VOR	AWY-LO	-145.44736	10,668 m		
DONEL	J167	63.67285	35,000 ft	91	-
FIX	AWY-HI	-145.66679	10,668 m		
BIG	T226	64.00438	35,000 ft	19	BIG DELTA VORTAC
DME	AWY-LO	-145.71716	10,668 m		
FYU	V481	66.57427	35,000 ft	154	FORT YUKON VORTAC
DME	AWY-LO	-145.27667	10,668 m		
ADREW	J160	69.16969	35,000 ft	183	-
FIX	AWY-HI	-141.00254	10,668 m		
RODLU	M453	74.38056	35,000 ft	373	-
FIX	AWY-HI	-130.00000	10,668 m		
ROKMA	M453	78.56250	35,000 ft	373	-
FIX	AWY-HI	-110.00000	10,668 m		
ROMDI	M453	80.07028	35,000 ft	238	-
FIX	AWY-HI	-90.00000	10,668 m		
ROGSO	M453	80.18111	35,000 ft	215	-
FIX	AWY-HI	-69.00000	10,668 m		
8000N06500W	-	80.00000	35,000 ft	42	-
LATLON	-	-65.00000	10,668 m		
8000N06000W	-	80.00000	35,000 ft	52	-
LATLON	-	-60.00000	10,668 m		
8000N05500W	-	80.00000	35,000 ft	52	-
LATLON	-	-55.00000	10,668 m		
8000N05000W	-	80.00000	35,000 ft	52	-
LATLON	-	-50.00000	10,668 m		
8000N04500W	-	80.00000	35,000 ft	52	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-45.00000	10,668 m		
8000N04000W	-	80.00000	35,000 ft	52	-
LATLON	-	-40.00000	10,668 m		
7900N03500W	-	79.00000	35,000 ft	81	-
LATLON	-	-35.00000	10,668 m		
7800N03000W	-	78.00000	35,000 ft	84	-
LATLON	-	-30.00000	10,668 m		
7700N02500W	-	77.00000	35,000 ft	88	-
LATLON	-	-25.00000	10,668 m		
7600N02000W	-	76.00000	35,000 ft	92	-
LATLON	-	-20.00000	10,668 m		
7500N01500W	-	75.00000	35,000 ft	96	-
LATLON	-	-15.00000	10,668 m		
7300N01000W	-	73.00000	35,000 ft	145	-
LATLON	-	-10.00000	10,668 m		
7100N0500W	-	71.00000	35,000 ft	151	-
LATLON	-	-5.00000	10,668 m		
7000N0500W	-	70.00000	35,000 ft	60	-
LATLON	-	-5.00000	10,668 m		
6800N0000E	-	68.00000	35,000 ft	161	-
LATLON	-	0.00000	10,668 m		
6700N0000E	-	67.00000	35,000 ft	60	-
LATLON	-	0.00000	10,668 m		
6600N0000E	-	66.00000	35,000 ft	60	-
LATLON	-	0.00000	10,668 m		
6500N0000E	-	65.00000	35,000 ft	60	-
LATLON	-	0.00000	10,668 m		
6400N0000E	-	64.00000	35,000 ft	60	-
LATLON	-	0.00000	10,668 m		
ISVIG	-	63.00000	35,000 ft	60	-
FIX	-	0.00000	10,668 m		
ZOL	UP992	58.87506	35,000 ft	297	SOLA VOR-DME
VOR	AWY-HI	5.64015	10,668 m		
RIRUT	UP603	57.63944	35,000 ft	74	-
FIX	AWY-HI	5.55111	10,668 m		
SOSER	UP619	57.14500	35,000 ft	37	-
FIX	AWY-HI	6.25389	10,668 m		
MITSI	UP619	57.00000	35,000 ft	10	-
FIX	AWY-HI	6.45583	10,668 m		
NAVIK	P619	55.86306	35,000 ft	84	-
FIX	AWY-LO	7.96972	10,668 m		
VES	-	55.60315	35,000 ft	19	VESTA VOR-DME
VOR	-	8.29996	10,668 m		
LUTIR	UZ710	55.06417	35,000 ft	32	-
FIX	AWY-HI	8.41611	10,668 m		
MEBUS	UZ710	54.40778	35,000 ft	39	-
FIX	AWY-HI	8.55417	10,668 m		
GULMI	UZ710	52.89750	35,000 ft	91	-
FIX	AWY-HI	8.85333	10,668 m		
WRB	UZ710	51.50570	35,000 ft	84	WARBURG VOR-DME
VOR	AWY-HI	9.11091	10,668 m		
RANAX	UN850	51.20722	35,000 ft	18	-
FIX	AWY-HI	9.04611	10,668 m		
EDEGA	UN850	51.03472	35,000 ft	10	-
FIX	AWY-HI	9.00778	10,668 m		
AMETU	UN850	50.83306	35,000 ft	12	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	8.96444	10,668 m		
SOGMI	UN850	50.52750	35,000 ft	18	-
FIX	AWY-HI	8.89917	10,668 m		
BOMBI	UN850	50.05667	35,000 ft	28	-
FIX	AWY-HI	8.80028	10,668 m		
NISTE	N850	49.77717	35,000 ft	17	-
FIX	AWY-LO	8.67450	10,668 m		
NEKOM	N850	49.33673	35,000 ft	26	-
FIX	AWY-LO	8.73291	10,668 m		
LAMGO	T722	48.88583	35,000 ft	27	-
FIX	AWY-LO	8.77917	10,668 m		
SUL	T721	48.38159	35,000 ft	30	SULZ VOR
VOR	AWY-LO	8.64484	10,668 m		
IBINI	T721	48.16917	32,900 ft	13	-
FIX	AWY-LO	8.58083	10,028 m		
RILAX	T721	47.94278	29,900 ft	13	-
FIX	AWY-LO	8.51361	9,114 m		
EDUMI	T721	47.76139	27,500 ft	11	-
FIX	AWY-LO	8.45861	8,382 m		
TRA	T721	47.68950	26,600 ft	4	TRASADINGEN VOR-DME
VOR	AWY-LO	8.43695	8,108 m		
RIPUS	N850	47.26028	21,000 ft	25	-
FIX	AWY-LO	8.50000	6,401 m		
LIMC	-	45.63061	0 ft	98	Milano Malpensa
APT	-	8.72811	0 m		

PHNL

Region: USA (HAWAII)
Timezone: PACIFIC/HONOLULU
Runways: 4

Elevation: 13 ft / 4 m
Location: 21.319400 -157.921000
Magnetic Var: 9.257 E

METAR

PHNL 261253Z 07008KT 10SM FEW025 23/19 A3002

TAF

TAF PHNL 261120Z 2612/2718 08008KT P6SM FEW025 SCT050 FM262000 08013G22KT P6SM FEW030 SCT045 FM270600 06007KT P6S

Frequencies

REC - 127.90 MHz - ATIS	TWR - 118.10 MHz - HONOLULU TOWER
TWR - 123.90 MHz - HONOLULU TOWER	GND - 121.90 MHz - HONOLULU GROUND
CLD - 121.40 MHz - CLEARANCE DELIVERY	APP - 118.30 MHz - HCF APPROACH
DEP - 124.80 MHz - HCF DEPARTURE	DEP - 124.80 MHz - HCF DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04L	150 ft	6,961 ft	52.84	ASPHALT	0 ft	0 ft
	46 m	2,122 m	43.58		0 m	0 m
22R	150 ft	6,961 ft	232.85	ASPHALT	0 ft	0 ft
	46 m	2,122 m	223.59		0 m	0 m
04R	150 ft	9,010 ft	52.85	ASPHALT	0 ft	194 ft
	46 m	2,746 m	43.59		0 m	59 m
22L	150 ft	9,010 ft	232.86	ASPHALT	0 ft	197 ft
	46 m	2,746 m	223.60		0 m	60 m
08R	200 ft	11,987 ft	90.01	ASPHALT	0 ft	558 ft
	61 m	3,654 m	80.75		0 m	170 m
26L	200 ft	11,987 ft	270.02	ASPHALT	0 ft	554 ft
	61 m	3,654 m	260.76		0 m	169 m
08L	150 ft	12,297 ft	90.00	ASPHALT	0 ft	469 ft
	46 m	3,748 m	80.74		0 m	143 m
26R	150 ft	12,297 ft	270.01	ASPHALT	0 ft	696 ft
	46 m	3,748 m	260.75		0 m	212 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
04R	DME	IIUM	110.50 MHz	18 nm	-	-	21 ft
				33 km	-		21 m
26L	DME	IEPC	109.10 MHz	18 nm	-	-	13 ft
				33 km	-		13 m
26L	LOC-LOC	IEPC	109.10 MHz	18 nm	304.00	-	13 ft
				33 km	294.74		13 m
04R	GS	IIUM	110.50 MHz	10 nm	52.85	3.00	13 ft
				19 km	43.59		13 m
08L	GS	IHNL	111.70 MHz	10 nm	90.01	3.01	13 ft
				19 km	80.75		13 m

LIMC

Region: ITALY
Timezone: EUROPE/ROME
Runways: 2

Elevation: 767 ft / 234 m
Location: 45.630600 8.728120
Magnetic Var: 3.127 E

METAR

LIMC 261320Z VRB04KT CAVOK 24/11 Q1018 NOSIG

TAF

TAF LIMC 261100Z 2612/2718 22007KT CAVOK TEMPO 2716/2718 4000 TSRA

Frequencies

REC - 120.02 MHz - ATIS ARRIVAL	REC - 121.62 MHz - ATIS DEPARTURE
CLD - 120.90 MHz - CLEARANCE DELIVERY	GND - 121.82 MHz - MALPENSA GROUND
GND - 121.90 MHz - MALPENSA GROUND	TWR - 119.00 MHz - MALPENSA TOWER
TWR - 128.35 MHz - MALPENSA TOWER	APP - 126.75 MHz - MILANO APPROACH
APP - 125.62 MHz - MILANO APPROACH	APP - 132.70 MHz - MILANO APPROACH
DEP - 126.30 MHz - MILANO DEPARTURE	DEP - 126.75 MHz - MILANO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	197 ft	12,873 ft	169.06	ASPHALT	0 ft	387 ft
	60 m	3,924 m	165.94		0 m	118 m
35L	197 ft	12,873 ft	349.07	ASPHALT	1,319 ft	197 ft
	60 m	3,924 m	345.94		402 m	60 m
17L	197 ft	12,873 ft	169.06	ASPHALT	3,081 ft	207 ft
	60 m	3,924 m	165.94		939 m	63 m
35R	197 ft	12,873 ft	349.07	ASPHALT	0 ft	180 ft
	60 m	3,924 m	345.94		0 m	55 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IMSL	110.75 MHz	25 nm	-	-	792 ft
				46 km	-		792 m
35L	DME	IMA	109.10 MHz	25 nm	-	-	768 ft
				46 km	-		768 m
35R	DME	MLP	109.90 MHz	18 nm	-	-	713 ft
				33 km	-		713 m
17L	LOC-ILS	IMSL	110.75 MHz	18 nm	169.06	-	697 ft
				33 km	165.93		697 m
35L	LOC-ILS	IMA	109.10 MHz	18 nm	349.07	-	767 ft
				33 km	345.94		767 m
35R	LOC-ILS	MLP	109.90 MHz	18 nm	349.07	-	780 ft
				33 km	345.94		780 m
17L	GS	IMSL	110.75 MHz	10 nm	170.24	3.00	792 ft
				19 km	167.12		792 m
35L	GS	IMA	109.10 MHz	10 nm	350.24	3.00	768 ft
				19 km	347.11		768 m
35R	GS	MLP	109.90 MHz	10 nm	350.24	3.00	740 ft
				19 km	347.12		740 m