

# KSFO

San Francisco International

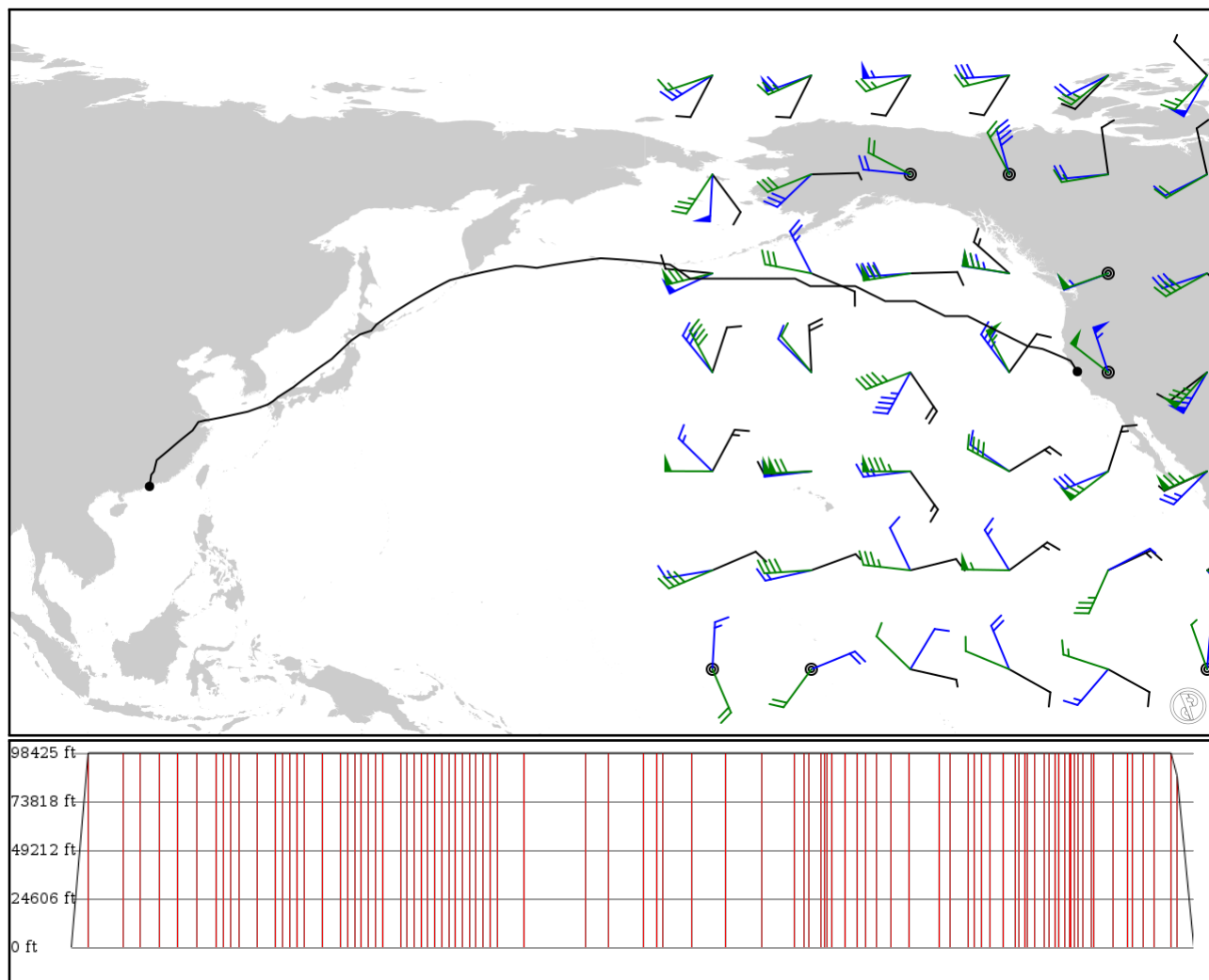
# VHHH

Hong Kong Intl

2024/06/09 2138Z

KSFO ENI **C1486** VESPA 4100N12900W 4200N13100W 4300N13300W 4400N13500W 4500N13700W 4500N13800W  
4500N13900W 4500N14000W 4600N14200W 4700N14400W 4700N14500W 4700N14600W 4700N14700W 4700N14800W  
4800N15000W 4900N15200W 4900N15300W 4900N15400W 4900N15500W 4900N15600W 4900N15700W 4900N15800W  
5000N16000W 5000N16100W 5000N16200W 5000N16300W 5000N16400W 5000N16500W 5000N16600W 5000N16700W  
5000N16800W 5000N16900W 5000N17000W 5000N17100W 5000N17200W 5000N17300W 5000N17400W ADK **J115** SYA  
**G215** OLCOT NUZAN KUNAD **G815** OTLER **B932** TBE **V4** EATAK **Y101** MKE **Y14** HWE **Y12** TAPPI **Z16** MIHOU **Y14** DGC  
**Y28** ISAKY **Z20** POTET **A593** PUD **A599** JTN JTN **A599** PLT **W19** BILAT VHHH

6279.70 nm / 11630.00 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 30000ft
- Cruise Speed: 320kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

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

## Route

| Ident<br>Type         | Via             | Lat<br>Lon             | Alt                  | Dist<br>(nm) | Name                        |
|-----------------------|-----------------|------------------------|----------------------|--------------|-----------------------------|
| KSFO<br>APT           | -               | 37.61850<br>-122.37500 | 0 ft<br>0 m          | -            | San Francisco International |
| ENI<br>VOR            | -               | 39.05320<br>-123.27400 | 30,000 ft<br>9,144 m | 96           | MENDOCINO (UKIAH)           |
| VESPA<br>FIX          | C1486<br>AWY-HI | 40.62530<br>-127.00000 | 30,000 ft<br>9,144 m | 196          | -                           |
| 4100N12900W<br>LATLON | -               | 41.00000<br>-129.00000 | 30,000 ft<br>9,144 m | 93           | -                           |
| 4200N13100W<br>LATLON | -               | 42.00000<br>-131.00000 | 30,000 ft<br>9,144 m | 108          | -                           |
| 4300N13300W<br>LATLON | -               | 43.00000<br>-133.00000 | 30,000 ft<br>9,144 m | 106          | -                           |
| 4400N13500W<br>LATLON | -               | 44.00000<br>-135.00000 | 30,000 ft<br>9,144 m | 105          | -                           |
| 4500N13700W<br>LATLON | -               | 45.00000<br>-137.00000 | 30,000 ft<br>9,144 m | 104          | -                           |
| 4500N13800W<br>LATLON | -               | 45.00000<br>-138.00000 | 30,000 ft<br>9,144 m | 42           | -                           |
| 4500N13900W<br>LATLON | -               | 45.00000<br>-139.00000 | 30,000 ft<br>9,144 m | 42           | -                           |
| 4500N14000W<br>LATLON | -               | 45.00000<br>-140.00000 | 30,000 ft<br>9,144 m | 42           | -                           |
| 4600N14200W<br>LATLON | -               | 46.00000<br>-142.00000 | 30,000 ft<br>9,144 m | 103          | -                           |
| 4700N14400W<br>LATLON | -               | 47.00000<br>-144.00000 | 30,000 ft<br>9,144 m | 102          | -                           |
| 4700N14500W<br>LATLON | -               | 47.00000<br>-145.00000 | 30,000 ft<br>9,144 m | 40           | -                           |
| 4700N14600W<br>LATLON | -               | 47.00000<br>-146.00000 | 30,000 ft<br>9,144 m | 40           | -                           |
| 4700N14700W<br>LATLON | -               | 47.00000<br>-147.00000 | 30,000 ft<br>9,144 m | 40           | -                           |
| 4700N14800W<br>LATLON | -               | 47.00000<br>-148.00000 | 30,000 ft<br>9,144 m | 40           | -                           |
| 4800N15000W<br>LATLON | -               | 48.00000<br>-150.00000 | 30,000 ft<br>9,144 m | 100          | -                           |
| 4900N15200W<br>LATLON | -               | 49.00000<br>-152.00000 | 30,000 ft<br>9,144 m | 99           | -                           |
| 4900N15300W<br>LATLON | -               | 49.00000<br>-153.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 4900N15400W<br>LATLON | -               | 49.00000<br>-154.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 4900N15500W<br>LATLON | -               | 49.00000<br>-155.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 4900N15600W<br>LATLON | -               | 49.00000<br>-156.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 4900N15700W<br>LATLON | -               | 49.00000<br>-157.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 4900N15800W<br>LATLON | -               | 49.00000<br>-158.00000 | 30,000 ft<br>9,144 m | 39           | -                           |
| 5000N16000W<br>LATLON | -               | 50.00000<br>-160.00000 | 30,000 ft<br>9,144 m | 98           | -                           |
| 5000N16100W           | -               | 50.00000               | 30,000 ft            | 38           | -                           |

| Ident<br>Type | Via    | Lat<br>Lon | Alt       | Dist<br>(nm) | Name          |
|---------------|--------|------------|-----------|--------------|---------------|
| LATLON        | -      | -161.00000 | 9,144 m   |              |               |
| 5000N16200W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -162.00000 | 9,144 m   |              |               |
| 5000N16300W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -163.00000 | 9,144 m   |              |               |
| 5000N16400W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -164.00000 | 9,144 m   |              |               |
| 5000N16500W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -165.00000 | 9,144 m   |              |               |
| 5000N16600W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -166.00000 | 9,144 m   |              |               |
| 5000N16700W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -167.00000 | 9,144 m   |              |               |
| 5000N16800W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -168.00000 | 9,144 m   |              |               |
| 5000N16900W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -169.00000 | 9,144 m   |              |               |
| 5000N17000W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -170.00000 | 9,144 m   |              |               |
| 5000N17100W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -171.00000 | 9,144 m   |              |               |
| 5000N17200W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -172.00000 | 9,144 m   |              |               |
| 5000N17300W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -173.00000 | 9,144 m   |              |               |
| 5000N17400W   | -      | 50.00000   | 30,000 ft | 38           | -             |
| LATLON        | -      | -174.00000 | 9,144 m   |              |               |
| ADK           | -      | 51.87190   | 30,000 ft | 151          | MOUNT MOFFETT |
| NDB           | -      | -176.67600 | 9,144 m   |              |               |
| SYA           | J115   | 52.72200   | 30,000 ft | 343          | SHEMYA        |
| NDB           | AWY-HI | 174.06000  | 9,144 m   |              |               |
| PLADO         | G215   | 52.25450   | 30,000 ft | 131          | -             |
| FIX           | AWY-HI | 170.53400  | 9,144 m   |              |               |
| OLCOT         | G215   | 51.43020   | 30,000 ft | 191          | -             |
| FIX           | AWY-HI | 165.55600  | 9,144 m   |              |               |
| NUZAN         | -      | 51.65760   | 30,000 ft | 72           | -             |
| FIX           | -      | 163.64500  | 9,144 m   |              |               |
| KUNAD         | -      | 51.69420   | 30,000 ft | 37           | -             |
| FIX           | -      | 162.64400  | 9,144 m   |              |               |
| DIROS         | G815   | 50.90220   | 30,000 ft | 160          | -             |
| FIX           | AWY-HI | 158.56100  | 9,144 m   |              |               |
| OTLER         | G815   | 49.80310   | 30,000 ft | 187          | -             |
| FIX           | AWY-HI | 153.97900  | 9,144 m   |              |               |
| NETRI         | B932   | 47.65500   | 30,000 ft | 203          | -             |
| FIX           | AWY-HI | 150.00100  | 9,144 m   |              |               |
| DONIS         | B932   | 45.64670   | 30,000 ft | 180          | -             |
| FIX           | AWY-HI | 146.73300  | 9,144 m   |              |               |
| NOTLU         | B932   | 45.02140   | 30,000 ft | 54           | -             |
| FIX           | AWY-HI | 145.79500  | 9,144 m   |              |               |
| ODERI         | B932   | 44.65000   | 30,000 ft | 32           | -             |
| FIX           | AWY-HI | 145.25600  | 9,144 m   |              |               |
| TBE           | B932   | 43.88490   | 30,000 ft | 65           | MEMANBETSU    |
| VOR           | AWY-HI | 144.16600  | 9,144 m   |              |               |
| GINGA         | V4     | 43.62740   | 30,000 ft | 18           | -             |
| FIX           | AWY-HI | 143.95300  | 9,144 m   |              |               |
| TBE30         | V4     | 43.45570   | 30,000 ft | 11           | -             |

| Ident<br>Type | Via    | Lat<br>Lon | Alt       | Dist<br>(nm) | Name             |
|---------------|--------|------------|-----------|--------------|------------------|
| FIX           | AWY-HI | 143.81300  | 9,144 m   |              |                  |
| EATAK         | V4     | 43.06840   | 30,000 ft | 27           | -                |
| FIX           | AWY-HI | 143.49300  | 9,144 m   |              |                  |
| MKE           | Y101   | 42.55500   | 30,000 ft | 74           | MUKAWA (SAPPORO) |
| VOR           | AWY-HI | 141.95600  | 9,144 m   |              |                  |
| HWE           | Y14    | 41.77400   | 30,000 ft | 68           | HAKODATE         |
| VOR           | AWY-HI | 140.83200  | 9,144 m   |              |                  |
| TAPPI         | Y12    | 41.13480   | 30,000 ft | 48           | -                |
| FIX           | AWY-HI | 140.16500  | 9,144 m   |              |                  |
| SKIPE         | Z16    | 40.31020   | 30,000 ft | 64           | -                |
| FIX           | AWY-HI | 139.27400  | 9,144 m   |              |                  |
| GNITS         | Z16    | 39.28960   | 30,000 ft | 78           | -                |
| FIX           | AWY-HI | 138.21100  | 9,144 m   |              |                  |
| TAXUK         | Z16    | 38.14480   | 30,000 ft | 103          | -                |
| FIX           | AWY-HI | 136.56300  | 9,144 m   |              |                  |
| SPIDR         | Z16    | 36.25310   | 30,000 ft | 166          | -                |
| FIX           | AWY-HI | 134.01600  | 9,144 m   |              |                  |
| MIHOU         | Z16    | 35.53110   | 30,000 ft | 62           | -                |
| FIX           | AWY-HI | 133.09400  | 9,144 m   |              |                  |
| HALNA         | Y14    | 34.53380   | 30,000 ft | 97           | -                |
| FIX           | AWY-HI | 131.53600  | 9,144 m   |              |                  |
| STOUT         | Y14    | 34.19070   | 30,000 ft | 33           | -                |
| FIX           | AWY-HI | 131.01600  | 9,144 m   |              |                  |
| DGC           | Y14    | 33.67620   | 30,000 ft | 43           | FUKUOKA          |
| VOR           | AWY-HI | 130.39000  | 9,144 m   |              |                  |
| ISAKY         | Y28    | 33.20620   | 30,000 ft | 46           | -                |
| FIX           | AWY-HI | 129.65300  | 9,144 m   |              |                  |
| CAMAS         | Z20    | 32.72250   | 30,000 ft | 75           | -                |
| FIX           | AWY-HI | 128.26200  | 9,144 m   |              |                  |
| POTET         | Z20    | 32.28000   | 30,000 ft | 67           | -                |
| FIX           | AWY-HI | 127.04000  | 9,144 m   |              |                  |
| ONIKU         | A593   | 32.19500   | 30,000 ft | 20           | -                |
| FIX           | AWY-HI | 126.65500  | 9,144 m   |              |                  |
| NIRAT         | A593   | 32.06500   | 30,000 ft | 31           | -                |
| FIX           | AWY-HI | 126.05800  | 9,144 m   |              |                  |
| PONIK         | A593   | 32.00580   | 30,000 ft | 14           | -                |
| FIX           | AWY-HI | 125.78300  | 9,144 m   |              |                  |
| SADLI         | A593   | 31.83330   | 30,000 ft | 41           | -                |
| FIX           | AWY-HI | 124.99800  | 9,144 m   |              |                  |
| LAMEN         | A593   | 31.61000   | 30,000 ft | 52           | -                |
| FIX           | AWY-HI | 124.00000  | 9,144 m   |              |                  |
| AKARA         | A593   | 31.50000   | 30,000 ft | 26           | -                |
| FIX           | AWY-HI | 123.50000  | 9,144 m   |              |                  |
| DUMET         | A593   | 31.36170   | 30,000 ft | 38           | -                |
| FIX           | AWY-HI | 122.77500  | 9,144 m   |              |                  |
| IPRAG         | A593   | 31.29670   | 30,000 ft | 17           | -                |
| FIX           | AWY-HI | 122.44200  | 9,144 m   |              |                  |
| PUD           | A593   | 31.17170   | 30,000 ft | 34           | PUDONG           |
| VOR           | AWY-HI | 121.78300  | 9,144 m   |              |                  |
| JTN           | A599   | 31.12330   | 30,000 ft | 22           | JIUTING          |
| VOR           | AWY-HI | 121.34200  | 9,144 m   |              |                  |
| JTN           | -      | 31.12500   | 30,000 ft | 0            | JIUTING VOR-DME  |
| DME           | -      | 121.34000  | 9,144 m   |              |                  |
| OLGAP         | A599   | 31.07330   | 30,000 ft | 10           | -                |
| FIX           | AWY-HI | 121.15000  | 9,144 m   |              |                  |
| LURMA         | A599   | 30.97500   | 30,000 ft | 21           | -                |

| Ident<br>Type | Via    | Lat<br>Lon | Alt       |     | Dist<br>(nm)   | Name |
|---------------|--------|------------|-----------|-----|----------------|------|
| FIX           | AWY-HI | 120.74800  | 9,144 m   |     |                |      |
| NXD           | A599   | 30.89670   | 30,000 ft | 17  | NANXUN         |      |
| VOR           | AWY-HI | 120.43000  | 9,144 m   |     |                |      |
| KAKIS         | A599   | 30.48330   | 30,000 ft | 28  | -              |      |
| FIX           | AWY-HI | 120.14700  | 9,144 m   |     |                |      |
| TOL           | A599   | 29.76330   | 30,000 ft | 50  | TONGLU         |      |
| VOR           | AWY-HI | 119.66000  | 9,144 m   |     |                |      |
| ELNEX         | A599   | 29.63170   | 30,000 ft | 11  | -              |      |
| FIX           | AWY-HI | 119.49000  | 9,144 m   |     |                |      |
| SHR           | A599   | 28.41670   | 30,000 ft | 108 | SHANGRAO       |      |
| VOR           | AWY-HI | 117.97000  | 9,144 m   |     |                |      |
| XUVGI         | A599   | 27.52000   | 30,000 ft | 77  | -              |      |
| FIX           | AWY-HI | 116.92200  | 9,144 m   |     |                |      |
| NF            | A599   | 27.20830   | 30,000 ft | 26  | NANFENG        |      |
| NDB           | AWY-HI | 116.55800  | 9,144 m   |     |                |      |
| SAGON         | A599   | 26.50170   | 30,000 ft | 62  | -              |      |
| FIX           | AWY-HI | 115.70800  | 9,144 m   |     |                |      |
| PLT           | A599   | 25.80830   | 30,000 ft | 61  | PANLONG        |      |
| VOR           | AWY-HI | 114.87500  | 9,144 m   |     |                |      |
| MABAG         | W19    | 24.31330   | 30,000 ft | 91  | -              |      |
| FIX           | AWY-HI | 114.50700  | 9,144 m   |     |                |      |
| BILAT         | W19    | 23.86830   | 26,500 ft | 33  | -              |      |
| FIX           | AWY-HI | 114.14700  | 8,077 m   |     |                |      |
| VHHH          | -      | 22.30890   | 0 ft      | 94  | Hong Kong Intl |      |
| APT           | -      | 113.91500  | 0 m       |     |                |      |

## KSFO

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 13 ft / 4 m  
Location: 37.618500 -122.375000  
Magnetic Var: 12.835 E

## METAR

KSFO 092056Z 28015G24KT 10SM FEW008 FEW200 18/10 A2996 RMK A02 PK WND 29027/1958 SLP144 T01780100 51004

## TAF

KSFO 092110Z 0921/1024 27017G27KT P6SM SKC FM100300 25010KT P6SM BKN010 FM101600 28008KT P6SM FEW010 FM102000 270

## Frequencies

|  |   |
|--|---|
| REC - 113.70 MHz - D-ATIS              | REC - 115.80 MHz - D-ATIS               |
| REC - 118.85 MHz - D-ATIS              | COM - 122.95 MHz - UNICOM               |
| CLD - 118.20 MHz -                     | GND - 121.80 MHz - SAN FRANCISCO GROUND |
| SAN FRANCISCO CLEARANCE DELIVERY       | APP - 134.50 MHz - NORCAL APPROACH      |
| TWR - 120.50 MHz - SAN FRANCISCO TOWER | APP - 128.57 MHz - NORCAL APPROACH      |
| APP - 128.32 MHz - NORCAL APPROACH     | DEP - 120.90 MHz - NORCAL DEPARTURE     |
| APP - 133.95 MHz - NORCAL APPROACH     |   |
| DEP - 135.10 MHz - NORCAL DEPARTURE    |   |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 10L   | 200 ft | 11,859 ft | 117.90                  | ASPHALT | 0 ft                | 876 ft            |
|       | 61 m   | 3,615 m   | 105.06                  |         | 0 m                 | 267 m             |
| 28R   | 200 ft | 11,859 ft | 297.92                  | ASPHALT | 302 ft              | 318 ft            |
|       | 61 m   | 3,615 m   | 285.08                  |         | 92 m                | 97 m              |
| 10R   | 200 ft | 11,371 ft | 117.90                  | ASPHALT | 0 ft                | 748 ft            |
|       | 61 m   | 3,466 m   | 105.06                  |         | 0 m                 | 228 m             |
| 28L   | 200 ft | 11,371 ft | 297.92                  | ASPHALT | 305 ft              | 322 ft            |
|       | 61 m   | 3,466 m   | 285.08                  |         | 93 m                | 98 m              |
| 01R   | 200 ft | 8,665 ft  | 27.71                   | ASPHALT | 564 ft              | 404 ft            |
|       | 61 m   | 2,641 m   | 14.88                   |         | 172 m               | 123 m             |
| 19L   | 200 ft | 8,665 ft  | 207.72                  | ASPHALT | 0 ft                | 443 ft            |
|       | 61 m   | 2,641 m   | 194.88                  |         | 0 m                 | 135 m             |
| 01L   | 200 ft | 7,664 ft  | 27.71                   | ASPHALT | 643 ft              | 469 ft            |
|       | 61 m   | 2,336 m   | 14.88                   |         | 196 m               | 143 m             |
| 19R   | 200 ft | 7,664 ft  | 207.72                  | ASPHALT | 0 ft                | 446 ft            |
|       | 61 m   | 2,336 m   | 194.88                  |         | 0 m                 | 136 m             |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 19L    | DME     | ISIA  | 108.90 MHz | 18 nm | -                       | -     | 24 ft     |
|        |         |       |            | 33 km | -                       |       | 24 m      |
| 28L    | DME     | ISFO  | 109.55 MHz | 18 nm | -                       | -     | 22 ft     |
|        |         |       |            | 33 km | -                       |       | 22 m      |
| 28R    | DME     | IGWQ  | 111.70 MHz | 18 nm | -                       | -     | 17 ft     |
|        |         |       |            | 33 km | -                       |       | 17 m      |
| 28R    | DME     | IFNP  | 110.75 MHz | 18 nm | -                       | -     | 13 ft     |
|        |         |       |            | 33 km | -                       |       | 13 m      |
| 19L    | LOC-ILS | ISIA  | 108.90 MHz | 18 nm | 207.72                  | -     | 13 ft     |
|        |         |       |            | 33 km | 194.88                  |       | 13 m      |

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 28L    | LOC-ILS | ISFO  | 109.55 MHz | 18 nm | 297.91                  | -     | 13 ft     |
|        |         |       |            | 33 km | 285.07                  |       | 13 m      |
| 28R    | LOC-ILS | IGWQ  | 111.70 MHz | 18 nm | 297.91                  | -     | 13 ft     |
|        |         |       |            | 33 km | 285.07                  |       | 13 m      |
| 19L    | GS      | ISIA  | 108.90 MHz | 10 nm | 207.72                  | 3.00  | 13 ft     |
|        |         |       |            | 19 km | 194.88                  |       | 13 m      |
| 28L    | GS      | ISFO  | 109.55 MHz | 10 nm | 297.91                  | 2.85  | 13 ft     |
|        |         |       |            | 19 km | 285.07                  |       | 13 m      |
| 28R    | GS      | IGWQ  | 111.70 MHz | 10 nm | 297.91                  | 3.00  | 13 ft     |
|        |         |       |            | 19 km | 285.07                  |       | 13 m      |



## VHHH

Region: HONG KONG  
Timezone: UNKNOWN  
Runways: 2

Elevation: 27 ft / 8 m  
Location: 22.308900 113.915000  
Magnetic Var: 3.243 W

## METAR

VHHH 092100Z 15005KT 9999 FEW009 SCT020 28/25 Q1009 NOSIG

## TAF

TAF VHHH 092000Z 0921/1103 14010KT 9999 FEW010 SCT025 TX31/1006Z TN26/0922Z TN26/1022Z TEMPO 0921/1004 18015G25K

## Frequencies

|   |   |
|---|---|
| REC - 128.20 MHz - D-ATIS                       | REC - 127.05 MHz - D-ATIS                       |
| GND - 121.60 MHz - HONG KONG GROUND             | GND - 122.55 MHz - HONG KONG GROUND             |
| GND - 121.87 MHz - HONG KONG GROUND             | TWR - 118.20 MHz - HONG KONG TOWER              |
| TWR - 118.40 MHz - HONG KONG TOWER              | TWR - 118.70 MHz - HONG KONG TOWER              |
| CLD - 124.65 MHz - HONG KONG CLEARANCE DELIVERY | CLD - 129.90 MHz - HONG KONG CLEARANCE DELIVERY |
| DEP - 122.00 MHz - HONG KONG DEPARTURE          | DEP - 123.80 MHz - HONG KONG DEPARTURE          |
| DEP - 124.05 MHz - HONG KONG DEPARTURE          | APP - 119.10 MHz - HONG KONG APPROACH           |
| APP - 119.35 MHz - HONG KONG APPROACH           | APP - 119.55 MHz - HONG KONG DIRECT             |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 07L   | 197 ft | 12,462 ft | 70.77                   | ASPHALT | 554 ft              | 974 ft            |
|       | 60 m   | 3,799 m   | 74.02                   |         | 169 m               | 297 m             |
| 25R   | 197 ft | 12,462 ft | 250.79                  | ASPHALT | 571 ft              | 978 ft            |
|       | 60 m   | 3,799 m   | 254.03                  |         | 174 m               | 298 m             |
| 07R   | 197 ft | 12,463 ft | 70.79                   | ASPHALT | 518 ft              | 886 ft            |
|       | 60 m   | 3,799 m   | 74.03                   |         | 158 m               | 270 m             |
| 25L   | 197 ft | 12,463 ft | 250.80                  | ASPHALT | 0 ft                | 981 ft            |
|       | 60 m   | 3,799 m   | 254.04                  |         | 0 m                 | 299 m             |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 07L    | DME     | IZSL  | 111.10 MHz | 18 nm | -                       | -     | 18 ft     |
|        |         |       |            | 33 km | -                       |       | 18 m      |
| 07R    | DME     | ISR   | 109.30 MHz | 18 nm | -                       | -     | 19 ft     |
|        |         |       |            | 33 km | -                       |       | 19 m      |
| 25L    | DME     | IFL   | 108.90 MHz | 18 nm | -                       | -     | 19 ft     |
|        |         |       |            | 33 km | -                       |       | 19 m      |
| 25R    | DME     | ITFR  | 110.90 MHz | 18 nm | -                       | -     | 19 ft     |
|        |         |       |            | 33 km | -                       |       | 19 m      |
| 07L    | LOC-ILS | IZSL  | 111.10 MHz | 18 nm | 70.78                   | -     | 27 ft     |
|        |         |       |            | 33 km | 74.02                   |       | 27 m      |
| 07R    | LOC-ILS | ISR   | 109.30 MHz | 18 nm | 70.79                   | -     | 27 ft     |
|        |         |       |            | 33 km | 74.03                   |       | 27 m      |
| 25L    | LOC-ILS | IFL   | 108.90 MHz | 18 nm | 250.79                  | -     | 27 ft     |
|        |         |       |            | 33 km | 254.03                  |       | 27 m      |
| 25R    | LOC-ILS | ITFR  | 110.90 MHz | 18 nm | 250.78                  | -     | 27 ft     |
|        |         |       |            | 33 km | 254.02                  |       | 27 m      |
| 07L    | GS      | IZSL  | 111.10 MHz | 10 nm | 70.78                   | 3.00  | 27 ft     |
|        |         |       |            | 19 km | 74.02                   |       | 27 m      |

| Runway | Type | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 07R    | GS   | ISR   | 109.30 MHz | 10 nm | 70.79                   | 3.00  | 27 ft     |
|        |      |       |            | 19 km | 74.03                   |       | 27 m      |
| 25L    | GS   | IFL   | 108.90 MHz | 10 nm | 250.79                  | 3.00  | 27 ft     |
|        |      |       |            | 19 km | 254.03                  |       | 27 m      |
| 25R    | GS   | ITFR  | 110.90 MHz | 10 nm | 250.78                  | 3.00  | 27 ft     |
|        |      |       |            | 19 km | 254.02                  |       | 27 m      |