

VHHH

Hong Kong Intl

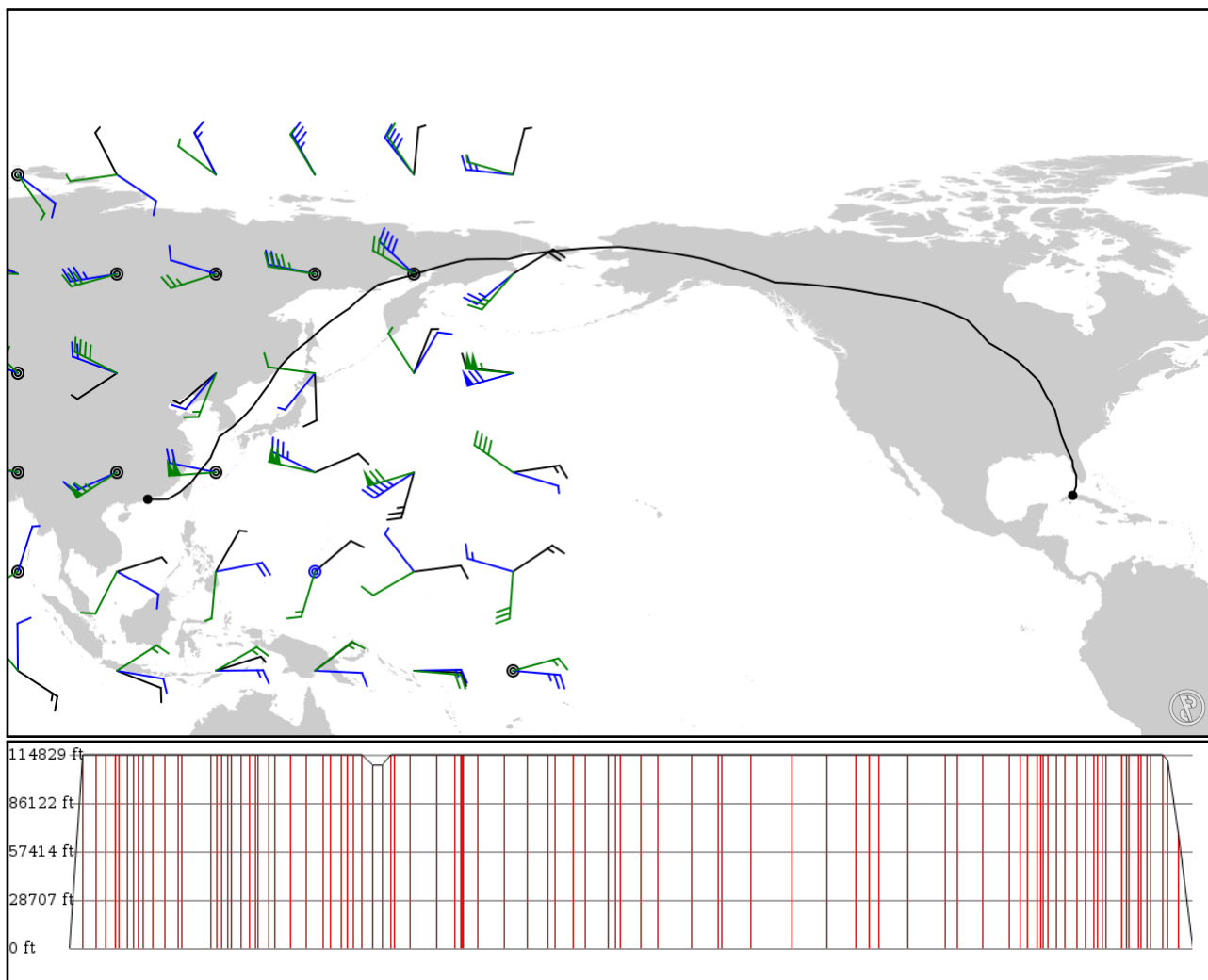
MUHA

Havana Jose Marti Intl

2024/05/06 2239Z

VHHH MAGOG A1 APU B576 CJU A586 INTOS B467 DE B233 AKOLA B916 LANRI B233 ODORA B337 UHMG G212
UHMA B244 OTZ J502 ORT J515 YXY NCA13 TULAG 5E38 PETMA NCA13 YQD J596 YWG J89 BAE J101 OBK J89
HITTR J75 RSW J41 EYW MUHA

8297.68 nm / 15367.30 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

Route

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|----------------|-----------------------|-----------------------|--------------|-----------------|
| VHHH APT | - | 22.30899 113.91461 | 0 ft 0 m | - | Hong Kong Intl |
| MAGOG FIX | - | 22.28833 115.82333 | 35,000 ft 10,668 m | 106 | - |
| ELATO FIX | A1 AWY-HI | 22.33333 117.50000 | 35,000 ft 10,668 m | 93 | - |
| KADLO FIX | A1 AWY-HI | 22.95506 118.54172 | 35,000 ft 10,668 m | 68 | - |
| MKG VOR | A1 AWY-HI | 23.59544 119.63728 | 35,000 ft 10,668 m | 71 | MAGONG VOR-DME |
| SWORD FIX | A1 AWY-HI | 24.00250 120.09417 | 35,000 ft 10,668 m | 35 | - |
| HLG VOR | A1 AWY-HI | 24.64000 120.78333 | 35,000 ft 10,668 m | 53 | HOULONG VOR-DME |
| APU VOR | A1 AWY-HI | 25.17694 121.52222 | 35,000 ft 10,668 m | 51 | ANBU VOR-DME |
| BAKER FIX | B576 AWY-HI | 25.64333 121.88000 | 35,000 ft 10,668 m | 34 | - |
| BESTO FIX | B576 AWY-HI | 26.13825 122.25853 | 35,000 ft 10,668 m | 36 | - |
| BERBA FIX | B576 AWY-HI | 27.07806 123.00000 | 35,000 ft 10,668 m | 69 | - |
| SALMI FIX | B576 AWY-HI | 28.31500 124.00000 | 35,000 ft 10,668 m | 91 | - |
| BOLOD FIX | B576 AWY-HI | 29.58697 125.02489 | 35,000 ft 10,668 m | 93 | - |
| ATOTI FIX | B576 AWY-HI | 30.00359 125.19821 | 35,000 ft 10,668 m | 26 | - |
| CJU VOR | B576 AWY-HI | 33.38472 126.62417 | 35,000 ft 10,668 m | 215 | JEJU VORTAC |
| MAKET FIX | A586 AWY-HI | 33.91472 127.33139 | 35,000 ft 10,668 m | 47 | - |
| GOSBO FIX | A586 AWY-HI | 34.25333 127.79056 | 35,000 ft 10,668 m | 30 | - |
| TOPAX FIX | A586 AWY-HI | 34.76583 128.49778 | 35,000 ft 10,668 m | 46 | - |
| PSN VOR | A586 AWY-HI | 35.12339 128.99969 | 35,000 ft 10,668 m | 32 | BUSAN VORTAC |
| BULGA FIX | A586 AWY-HI | 35.93861 129.82694 | 35,000 ft 10,668 m | 63 | - |
| AGSUS FIX | A586 AWY-HI | 36.76333 130.69056 | 35,000 ft 10,668 m | 64 | - |
| INTOS FIX | A586 AWY-HI | 37.36667 131.33333 | 35,000 ft 10,668 m | 47 | - |
| TENAS FIX | B467 AWY-HI | 37.63944 131.57500 | 35,000 ft 10,668 m | 20 | - |
| KANSU FIX | B467 AWY-HI | 38.63333 132.47500 | 35,000 ft 10,668 m | 73 | - |
| TONIN FIX | B467 AWY-HI | 39.33333 133.00000 | 35,000 ft 10,668 m | 48 | - |
| NULAR FIX | B467 AWY-HI | 40.98667 134.18333 | 35,000 ft 10,668 m | 113 | - |
| TEKUK | B467 | 42.68333 | 35,000 ft | 116 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|------------------|
| FIX | AWY-HI | 135.45667 | 10,668 m | | |
| IKADA | B467 | 44.66694 | 35,000 ft | 129 | - |
| FIX | AWY-HI | 136.65111 | 10,668 m | | |
| VELTA | B467 | 45.48361 | 35,000 ft | 53 | - |
| FIX | AWY-HI | 137.16778 | 10,668 m | | |
| KERET | B467 | 46.52028 | 35,000 ft | 72 | - |
| FIX | AWY-HI | 138.06778 | 10,668 m | | |
| DE | B467 | 47.20014 | 35,000 ft | 48 | YEDINKA NDB |
| NDB | AWY-HI | 138.70106 | 10,668 m | | |
| OLDAN | B233 | 47.76694 | 35,000 ft | 41 | - |
| FIX | AWY-HI | 139.28944 | 10,668 m | | |
| AKOLA | B233 | 48.60028 | 35,000 ft | 61 | - |
| FIX | AWY-HI | 140.18472 | 10,668 m | | |
| VALAM | B916 | 49.69000 | 33,100 ft | 83 | - |
| FIX | AWY-HI | 141.50000 | 10,089 m | | |
| LANRI | B916 | 50.66694 | 33,100 ft | 76 | - |
| FIX | AWY-HI | 142.76806 | 10,089 m | | |
| NIBRA | B233 | 51.53333 | 35,000 ft | 62 | - |
| FIX | AWY-HI | 143.69333 | 10,668 m | | |
| BIKUN | B233 | 51.87500 | 35,000 ft | 24 | - |
| FIX | AWY-HI | 144.05333 | 10,668 m | | |
| ABOMA | B233 | 53.48361 | 35,000 ft | 118 | - |
| FIX | AWY-HI | 145.91833 | 10,668 m | | |
| ODORA | B233 | 56.00028 | 35,000 ft | 196 | - |
| FIX | AWY-HI | 149.52500 | 10,668 m | | |
| SULAL | B337 | 57.88167 | 35,000 ft | 132 | - |
| FIX | AWY-HI | 151.65667 | 10,668 m | | |
| TOMNO | B337 | 58.40667 | 35,000 ft | 37 | - |
| FIX | AWY-HI | 152.29833 | 10,668 m | | |
| NIKSI | B337 | 58.57361 | 35,000 ft | 12 | - |
| FIX | AWY-HI | 152.51194 | 10,668 m | | |
| KIRUN | B337 | 58.72861 | 35,000 ft | 11 | - |
| FIX | AWY-HI | 152.70528 | 10,668 m | | |
| TA | B337 | 60.20000 | 35,000 ft | 107 | - |
| NDB | AWY-HI | 154.68333 | 10,668 m | | |
| UHMG | B337 | 61.83500 | 35,000 ft | 196 | - |
| APT | AWY-HI | 160.54667 | 10,668 m | | |
| GORAS | G212 | 63.39000 | 35,000 ft | 163 | - |
| FIX | AWY-HI | 165.42333 | 10,668 m | | |
| UHMO | G212 | 64.66667 | 35,000 ft | 152 | - |
| APT | AWY-HI | 170.41667 | 10,668 m | | |
| BETAM | G212 | 64.72500 | 35,000 ft | 56 | - |
| FIX | AWY-HI | 172.61806 | 10,668 m | | |
| UHMA | G212 | 64.73495 | 35,000 ft | 131 | UGOLNY |
| APT | AWY-HI | 177.74148 | 10,668 m | | |
| NB | B244 | 65.51639 | 35,000 ft | 88 | UELKAL NDB |
| NDB | AWY-HI | -179.28000 | 10,668 m | | |
| BENIR | B244 | 66.31000 | 35,000 ft | 172 | - |
| FIX | AWY-HI | -172.50667 | 10,668 m | | |
| GENRI | B244 | 66.50167 | 35,000 ft | 53 | - |
| FIX | AWY-HI | -170.32500 | 10,668 m | | |
| FRENK | B244 | 66.62000 | 35,000 ft | 33 | - |
| FIX | AWY-HI | -168.97306 | 10,668 m | | |
| OTZ | B244 | 66.88569 | 35,000 ft | 153 | KOTZEBUE VOR-DME |
| VOR | AWY-HI | -162.53994 | 10,668 m | | |
| URCEL | J502 | 66.32680 | 35,000 ft | 129 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|--------------------|
| FIX | AWY-HI | -157.29141 | 10,668 m | | |
| FAI | J502 | 64.80008 | 35,000 ft | 247 | FAIRBANKS VORTAC |
| VOR | AWY-HI | -148.01197 | 10,668 m | | |
| ORT | J502 | 62.94717 | 35,000 ft | 195 | NORTHWAY VORTAC |
| VOR | AWY-HI | -141.91275 | 10,668 m | | |
| BIBEM | J515 | 62.67217 | 35,000 ft | 30 | - |
| FIX | AWY-HI | -141.00000 | 10,668 m | | |
| YXY | J515 | 60.61889 | 35,000 ft | 207 | WHITEHORSE VOR-DME |
| VOR | AWY-HI | -135.13889 | 10,668 m | | |
| SEBIN | NCA13 | 59.79833 | 35,000 ft | 306 | - |
| FIX | AWY-HI | -125.00000 | 10,668 m | | |
| YOJ | NCA13 | 58.55425 | 35,000 ft | 254 | HIGH LEVEL VOR-DME |
| VOR | AWY-HI | -117.09303 | 10,668 m | | |
| ALPIM | NCA13 | 57.46333 | 35,000 ft | 221 | - |
| FIX | AWY-HI | -110.43833 | 10,668 m | | |
| TULAG | NCA13 | 56.69847 | 35,000 ft | 94 | - |
| FIX | AWY-HI | -107.89067 | 10,668 m | | |
| PETMA | 5E38 | 56.09333 | 35,000 ft | 71 | - |
| FIX | AWY-HI | -106.05167 | 10,668 m | | |
| YQD | NCA13 | 53.97347 | 35,000 ft | 212 | THE PAS VOR-DME |
| VOR | AWY-HI | -101.09992 | 10,668 m | | |
| YWG | J596 | 49.92778 | 35,000 ft | 281 | WINNIPEG VORTAC |
| VOR | AWY-HI | -97.23922 | 10,668 m | | |
| YWG84 | J89 | 48.99821 | 35,000 ft | 83 | - |
| FIX | AWY-HI | -95.63355 | 10,668 m | | |
| DLH | J89 | 46.80217 | 35,000 ft | 190 | DULUTH VORTAC |
| VOR | AWY-HI | -92.20286 | 10,668 m | | |
| BGOSH | J89 | 44.26205 | 35,000 ft | 191 | - |
| FIX | AWY-HI | -89.43416 | 10,668 m | | |
| BAE | J89 | 43.11686 | 35,000 ft | 84 | BADGER VORTAC |
| VOR | AWY-HI | -88.28433 | 10,668 m | | |
| OBK | J101 | 42.22139 | 35,000 ft | 55 | NORTHBROOK VOR-DME |
| VOR | AWY-HI | -87.95161 | 10,668 m | | |
| CADIZ | J89 | 41.16777 | 35,000 ft | 68 | - |
| FIX | AWY-HI | -87.38771 | 10,668 m | | |
| FATOX | J89 | 40.80121 | 35,000 ft | 23 | - |
| FIX | AWY-HI | -87.19596 | 10,668 m | | |
| BVT | J89 | 40.55611 | 35,000 ft | 15 | BOILER VORTAC |
| VOR | AWY-HI | -87.06933 | 10,668 m | | |
| MACES | J89 | 40.00368 | 35,000 ft | 36 | - |
| FIX | AWY-HI | -86.72295 | 10,668 m | | |
| KURTZ | J89 | 38.97219 | 35,000 ft | 68 | - |
| FIX | AWY-HI | -86.09265 | 10,668 m | | |
| IIU | J89 | 38.10347 | 35,000 ft | 57 | LOUISVILLE VORTAC |
| VOR | AWY-HI | -85.57744 | 10,668 m | | |
| SWAPP | J89 | 36.61383 | 35,000 ft | 91 | - |
| FIX | AWY-HI | -85.18223 | 10,668 m | | |
| RESPE | J89 | 35.59182 | 35,000 ft | 62 | - |
| FIX | AWY-HI | -84.92009 | 10,668 m | | |
| WUDEE | J89 | 34.57876 | 35,000 ft | 62 | - |
| FIX | AWY-HI | -84.66634 | 10,668 m | | |
| NOONE | J89 | 34.20184 | 35,000 ft | 23 | - |
| FIX | AWY-HI | -84.57418 | 10,668 m | | |
| ATL | J89 | 33.62908 | 35,000 ft | 35 | ATLANTA VORTAC |
| VOR | AWY-HI | -84.43508 | 10,668 m | | |
| SOONE | J89 | 33.07740 | 35,000 ft | 35 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|------------------------|
| FIX | AWY-HI | -84.20520 | 10,668 m | | |
| ICBOD | J89 | 31.26425 | 35,000 ft | 115 | - |
| FIX | AWY-HI | -83.47061 | 10,668 m | | |
| OTK | J89 | 30.78044 | 35,000 ft | 30 | VALDOSTA VOR-DME |
| VOR | AWY-HI | -83.27972 | 10,668 m | | |
| NECOS | J89 | 30.49451 | 35,000 ft | 18 | - |
| FIX | AWY-HI | -83.13589 | 10,668 m | | |
| FAGAN | J89 | 29.42917 | 35,000 ft | 69 | - |
| FIX | AWY-HI | -82.60816 | 10,668 m | | |
| HITTR | J89 | 29.09625 | 35,000 ft | 21 | - |
| FIX | AWY-HI | -82.44697 | 10,668 m | | |
| KRNEL | J75 | 28.41481 | 35,000 ft | 41 | - |
| FIX | AWY-HI | -82.39679 | 10,668 m | | |
| TEPEE | J75 | 28.00031 | 35,000 ft | 24 | - |
| FIX | AWY-HI | -82.36654 | 10,668 m | | |
| RSW | J75 | 26.52988 | 35,000 ft | 93 | LEE COUNTY VORTAC |
| DME | AWY-HI | -81.77577 | 10,668 m | | |
| MARCI | J41 | 25.89107 | 34,000 ft | 38 | - |
| FIX | AWY-HI | -81.78399 | 10,363 m | | |
| EYW | J41 | 24.58588 | 20,700 ft | 78 | KEY WEST VORTAC |
| DME | AWY-HI | -81.80048 | 6,309 m | | |
| MUHA | - | 22.98915 | 0 ft | 101 | Havana Jose Marti Intl |
| APT | - | -82.40909 | 0 m | | |

VHHH

Region: HONG KONG
Timezone: UNKNOWN
Runways: 2

Elevation: 27 ft / 8 m
Location: 22.308900 113.915000
Magnetic Var: 3.237 W

METAR

VHHH 062200Z 33007KT 4600 BR FEW008 25/23 Q1013 NOSIG

TAF

TAF VHHH 062000Z 0621/0803 VRB05KT 9999 FEW015 TX31/0706Z TN25/0622Z TN26/0722Z TEMPO 0621/0624 4000 BR BECMG 0700

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) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 07L | 197 ft | 12,462 ft | 70.77 | ASPHALT | 554 ft | 974 ft |
| | 60 m | 3,799 m | 74.01 | | 169 m | 297 m |
| 25R | 197 ft | 12,462 ft | 250.79 | ASPHALT | 571 ft | 978 ft |
| | 60 m | 3,799 m | 254.02 | | 174 m | 298 m |
| 07R | 197 ft | 12,463 ft | 70.79 | ASPHALT | 518 ft | 886 ft |
| | 60 m | 3,799 m | 74.02 | | 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) (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) (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 |

MUHA

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 1

Elevation: 208 ft / 63 m
Location: 22.989100 -82.409100
Magnetic Var: 5.657 W

METAR

MUHA 062150Z 06014KT 9000 SCT030 29/23 Q1013

TAF

MUHA 061700Z 0618/0718 06012KT 9000 SCT030 BECMG 0701/0703 09006KT BECMG 0714/0716 12008KT

Frequencies

REC - 132.50 MHz - ATIS
TWR - 118.10 MHz - MARTI TOWER

GND - 121.90 MHz - MARTI GROUND
APP - 120.30 MHz - HABANA APPROACH

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 06 | 151 ft | 13,135 ft | 54.19 | ASPHALT | 0 ft | 469 ft |
| | 46 m | 4,004 m | 59.85 | | 0 m | 143 m |
| 24 | 151 ft | 13,135 ft | 234.21 | ASPHALT | 0 ft | 197 ft |
| | 46 m | 4,004 m | 239.86 | | 0 m | 60 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 06 | LOC-ILS | IHA | 110.50 MHz | 18 nm | 54.21 | - | 209 ft |
| | | | | 33 km | 59.87 | | 209 m |
| 06 | GS | IHA | 110.50 MHz | 10 nm | 54.21 | 3.00 | 209 ft |
| | | | | 19 km | 59.87 | | 209 m |