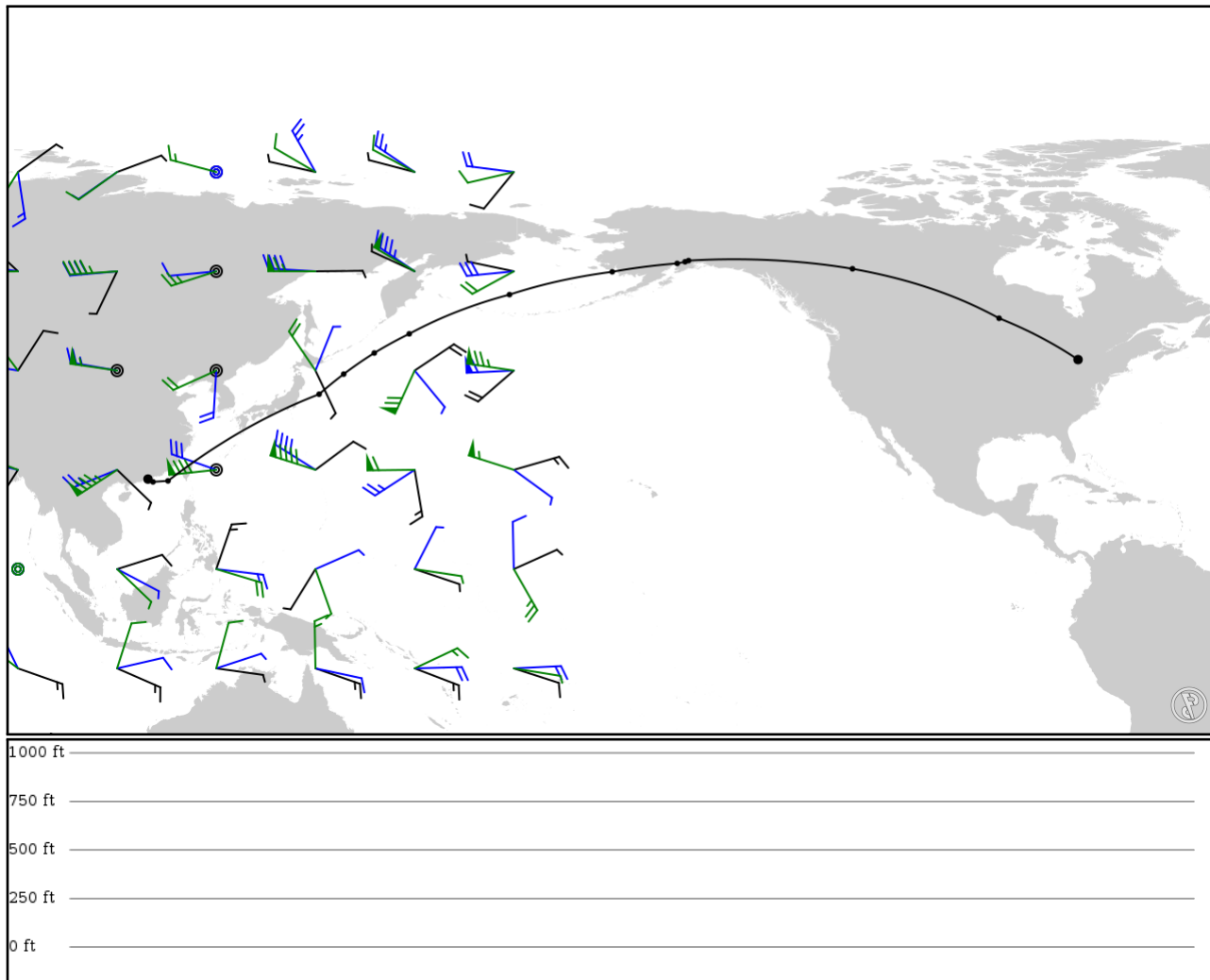


2024/05/05 0629Z

VHHH OCEAN ENVAR PEXEL POXED A590 PASRO POOFF PORGE A590 AMOTT TED ELLAM NOXAN YRL CYYZ

7311.56 nm / 13541.00 km



## Notes

Requested: VHHH OCEAN V3 ENVAR M750 BUNGU Y81 SYOYU Y809 SPEAR Y808 PEXEL A590 POXED A590 PASRO A590 POOFF A590 PORGE A590 AMOTT TED ELLAM NOXAN YRL CYYZ  
Unmatched points: V3 M750 BUNGU Y81 SYOYU Y809 Y808 A590 A590 A590 A590 J511 NCA20 NCA20 OTNIK BOXUM3

## Route

| Ident<br>Type | Via    | Lat<br>Lon | Alt  | Dist<br>(nm) | Name                          |
|---------------|--------|------------|------|--------------|-------------------------------|
| VHHH          | -      | 22.30899   | 0 ft | -            | Hong Kong Intl                |
| APT           | -      | 113.91461  | 0 m  | -            |                               |
| OCEAN         | -      | 21.81194   | 0 ft | 58           | -                             |
| FIX           | -      | 114.81333  | 0 m  | -            |                               |
| ENVAR         | -      | 21.99167   | 0 ft | 150          | -                             |
| FIX           | -      | 117.50000  | 0 m  | -            |                               |
| PEXEL         | -      | 37.48919   | 0 ft | 1679         | -                             |
| FIX           | -      | 144.54408  | 0 m  | -            |                               |
| POXED         | -      | 41.08458   | 0 ft | 297          | -                             |
| FIX           | -      | 148.94239  | 0 m  | -            |                               |
| PUGAL         | A590   | 44.85772   | 0 ft | 330          | -                             |
| FIX           | AWY-HI | 154.41667  | 0 m  | -            |                               |
| PASRO         | A590   | 48.28525   | 0 ft | 330          | -                             |
| FIX           | AWY-LO | 160.67550  | 0 m  | -            |                               |
| POOFF         | -      | 55.29899   | 0 ft | 784          | -                             |
| FIX           | -      | 178.61801  | 0 m  | -            |                               |
| PORGE         | -      | 59.38333   | 0 ft | 641          | -                             |
| FIX           | -      | -163.00000 | 0 m  | -            |                               |
| AMOTT         | A590   | 60.87405   | 0 ft | 358          | -                             |
| FIX           | AWY-HI | -151.37322 | 0 m  | -            |                               |
| TED           | -      | 61.16786   | 0 ft | 44           | ANCHORAGE VOR-DME             |
| VOR           | -      | -149.96014 | 0 m  | -            |                               |
| ELLAM         | -      | 61.37831   | 0 ft | 21           | -                             |
| FIX           | -      | -149.33901 | 0 m  | -            |                               |
| NOXAN         | -      | 59.91564   | 0 ft | 860          | -                             |
| FIX           | -      | -120.00000 | 0 m  | -            |                               |
| YRL           | -      | 51.07147   | 0 ft | 1028         | RED LAKE VOR-DME              |
| VOR           | -      | -93.76194  | 0 m  | -            |                               |
| CYYZ          | -      | 43.67613   | 0 ft | 724          | Toronto Lester B Pearson Intl |
| APT           | -      | -79.62767  | 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 050600Z 33006KT 9999 FEW012 SCT025 27/23 Q1009 NOSIG

## TAF

TAF VHHH 050500Z 0506/0612 30010KT 9999 FEW010 SCT020 TX29/0506Z TX30/0606Z TN25/0522Z BECMG 0509/0511 16010KT BE

## 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   | 74.01                   |         | 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)<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      |

## CYYZ

Region: CANADA  
Timezone: AMERICA/TORONTO  
Runways: 5

Elevation: 564 ft / 172 m  
Location: 43.676100 -79.627700  
Magnetic Var: 10.261 W

## METAR

CYYZ 050600Z 14005KT 15SM BKN023 OVC150 13/10 A2998 RMK SC5AC3 SLP154

## TAF

TAF TAF CYYZ 050540Z 0506/0612 13005KT P6SM BKN140 BKN240 TEMPO 0506/0509 P6SM -SHRA SCT008 BKN020 FM050900 14008

## Frequencies

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| TWR - 118.35 MHz - TORONTO TOWER     | TWR - 118.70 MHz - TORONTO TOWER      |
| GND - 119.10 MHz - TORONTO GROUND    | GND - 121.65 MHz - TORONTO GROUND     |
| GND - 121.90 MHz - TORONTO GROUND    | REC - 120.82 MHz - ATIS               |
| REC - 133.10 MHz - ATIS              | CLD - 121.30 MHz - CLEARANCE DELIVERY |
| APP - 132.80 MHz - TORONTO APPROACH  | APP - 124.47 MHz - TORONTO APPROACH   |
| APP - 125.40 MHz - TORONTO APPROACH  | APP - 123.27 MHz - LONDON RADIO       |
| DEP - 127.57 MHz - TORONTO DEPARTURE | DEP - 128.80 MHz - TORONTO DEPARTURE  |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 06L   | 197 ft | 9,707 ft  | 46.43                   | ASPHALT | 0 ft                | 131 ft            |
|       | 60 m   | 2,959 m   | 56.69                   |         | 0 m                 | 40 m              |
| 24R   | 197 ft | 9,707 ft  | 226.45                  | ASPHALT | 194 ft              | 98 ft             |
|       | 60 m   | 2,959 m   | 236.71                  |         | 59 m                | 30 m              |
| 06R   | 197 ft | 9,007 ft  | 46.43                   | ASPHALT | 0 ft                | 95 ft             |
|       | 60 m   | 2,745 m   | 56.69                   |         | 0 m                 | 29 m              |
| 24L   | 197 ft | 9,007 ft  | 226.45                  | ASPHALT | 0 ft                | 95 ft             |
|       | 60 m   | 2,745 m   | 236.71                  |         | 0 m                 | 29 m              |
| 05    | 197 ft | 11,128 ft | 46.39                   | ASPHALT | 141 ft              | 141 ft            |
|       | 60 m   | 3,392 m   | 56.65                   |         | 43 m                | 43 m              |
| 23    | 197 ft | 11,128 ft | 226.41                  | ASPHALT | 492 ft              | 141 ft            |
|       | 60 m   | 3,392 m   | 236.67                  |         | 150 m               | 43 m              |
| 15L   | 197 ft | 11,061 ft | 136.64                  | ASPHALT | 0 ft                | 92 ft             |
|       | 60 m   | 3,372 m   | 146.90                  |         | 0 m                 | 28 m              |
| 33R   | 197 ft | 11,061 ft | 316.66                  | ASPHALT | 0 ft                | 89 ft             |
|       | 60 m   | 3,372 m   | 326.92                  |         | 0 m                 | 27 m              |
| 15R   | 197 ft | 9,097 ft  | 136.62                  | ASPHALT | 597 ft              | 0 ft              |
|       | 60 m   | 2,773 m   | 146.88                  |         | 182 m               | 0 m               |
| 33L   | 197 ft | 9,097 ft  | 316.64                  | ASPHALT | 591 ft              | 0 ft              |
|       | 60 m   | 2,773 m   | 326.90                  |         | 180 m               | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 24L    | DME     | IIDP  | 111.95 MHz | 18 nm | -                       | -     | 568 ft    |
|        |         |       |            | 33 km | -                       |       | 568 m     |
| 24R    | DME     | INV   | 109.30 MHz | 18 nm | -                       | -     | 546 ft    |
|        |         |       |            | 33 km | -                       |       | 546 m     |
| 05     | LOC-ILS | ITX   | 109.70 MHz | 18 nm | 46.40                   | -     | 564 ft    |
|        |         |       |            | 33 km | 56.66                   |       | 564 m     |

| Runway | Type    | Ident | Frequency  | Range          | Bearing (true)<br>(mag) | Slope | Elevation       |
|--------|---------|-------|------------|----------------|-------------------------|-------|-----------------|
| 06L    | LOC-ILS | IJS   | 109.10 MHz | 18 nm<br>33 km | 46.44<br>56.70          | -     | 564 ft<br>564 m |
| 06R    | LOC-ILS | ICV   | 111.95 MHz | 18 nm<br>33 km | 46.44<br>56.70          | -     | 564 ft<br>564 m |
| 15L    | LOC-ILS | IRW   | 110.50 MHz | 18 nm<br>33 km | 136.65<br>146.91        | -     | 564 ft<br>564 m |
| 15R    | LOC-ILS | ILP   | 110.95 MHz | 18 nm<br>33 km | 136.63<br>146.89        | -     | 564 ft<br>564 m |
| 23     | LOC-ILS | IYZ   | 111.50 MHz | 18 nm<br>33 km | 226.40<br>236.66        | -     | 564 ft<br>564 m |
| 24L    | LOC-ILS | IDP   | 111.95 MHz | 18 nm<br>33 km | 226.44<br>236.70        | -     | 564 ft<br>564 m |
| 24R    | LOC-ILS | INV   | 109.30 MHz | 18 nm<br>33 km | 226.44<br>236.70        | -     | 564 ft<br>564 m |
| 33L    | LOC-ILS | ITO   | 110.95 MHz | 18 nm<br>33 km | 316.63<br>326.89        | -     | 564 ft<br>564 m |
| 33R    | LOC-ILS | ILE   | 110.30 MHz | 18 nm<br>33 km | 316.65<br>326.91        | -     | 564 ft<br>564 m |
| 05     | GS      | ITX   | 109.70 MHz | 10 nm<br>19 km | 46.40<br>56.66          | 3.00  | 564 ft<br>564 m |
| 06L    | GS      | IJS   | 109.10 MHz | 10 nm<br>19 km | 46.44<br>56.70          | 3.00  | 564 ft<br>564 m |
| 06R    | GS      | ICV   | 111.95 MHz | 10 nm<br>19 km | 46.44<br>56.70          | 3.00  | 564 ft<br>564 m |
| 15L    | GS      | IRW   | 110.50 MHz | 10 nm<br>19 km | 136.65<br>146.91        | 3.00  | 564 ft<br>564 m |
| 15R    | GS      | ILP   | 110.95 MHz | 10 nm<br>19 km | 136.63<br>146.89        | 3.00  | 564 ft<br>564 m |
| 23     | GS      | IYZ   | 111.50 MHz | 10 nm<br>19 km | 226.40<br>236.66        | 3.00  | 564 ft<br>564 m |
| 24L    | GS      | IIDP  | 111.95 MHz | 10 nm<br>19 km | 226.44<br>236.70        | 3.00  | 564 ft<br>564 m |
| 24R    | GS      | INV   | 109.30 MHz | 10 nm<br>19 km | 226.44<br>236.70        | 3.00  | 564 ft<br>564 m |
| 33L    | GS      | ITO   | 110.95 MHz | 10 nm<br>19 km | 316.63<br>326.89        | 3.00  | 564 ft<br>564 m |
| 33R    | GS      | ILE   | 110.30 MHz | 10 nm<br>19 km | 316.65<br>326.91        | 3.00  | 564 ft<br>564 m |