# KBOS
Boston Logan Intl

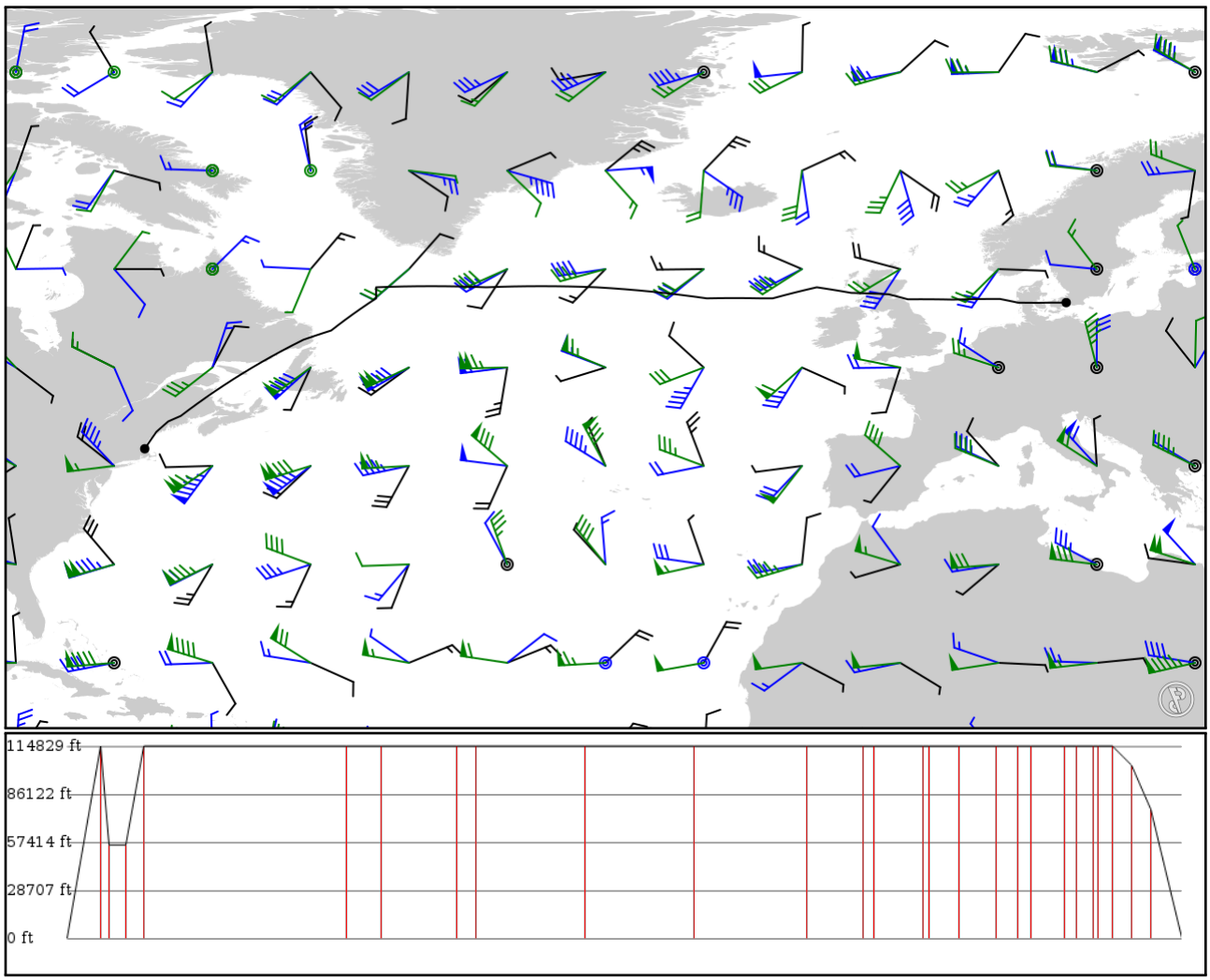
-

# EKCH
Kastrup

2024/03/19 0958Z

KBOS BRNNS **V93** BGR **J581** TOPPS **N137B** REDBY **5E16** CARPE +56.000_--50.000 +57.000_--50.000 **R** SOVED GOMUP **UN572** FINDO **UP58** MADAD **UL983** VES **UL975** RIDSI EKCH

3338.00 nm / 6181.98 km




## Notes

Using NAT tracks from 21/5/2016

Basic altitude profile:
- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- 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 |
|---|---|---|---|---|---|
| KBOS<br>APT | – | 42.36306<br>-71.00696 | 0 ft<br>0 m | – | Boston Logan Intl |
| BRNNS<br>FIX | – | 43.90240<br>-69.94528 | 35,000 ft<br>10,668 m | 103 | – |
| RAZZR<br>FIX | V93<br>AWY-LO | 44.22125<br>-69.58674 | 17,000 ft<br>5,182 m | 24 | – |
| BGR<br>VOR | V93<br>AWY-LO | 44.84181<br>-68.87397 | 17,000 ft<br>5,182 m | 48 | BANGOR VORTAC |
| TOPPS<br>FIX | J581<br>AWY-HI | 45.34018<br>-67.73864 | 35,000 ft<br>10,668 m | 56 | – |
| REDBY<br>FIX | N137B<br>AWY-HI | 52.24944<br>-56.60166 | 35,000 ft<br>10,668 m | 604 | – |
| CARPE<br>FIX | 5E16<br>AWY-HI | 53.08333<br>-54.08333 | 35,000 ft<br>10,668 m | 104 | – |
| +56.000_--50.000<br>LATLON | – | 56.00000<br>-50.00000 | 35,000 ft<br>10,668 m | 225 | – |
| +57.000_--50.000<br>LATLON | – | 57.00000<br>-50.00000 | 35,000 ft<br>10,668 m | 60 | – |
| +57.000_--40.000<br>LATLON | R<br>NAT | 57.00000<br>-40.00000 | 35,000 ft<br>10,668 m | 326 | – |
| +57.000_--30.000<br>LATLON | R<br>NAT | 57.00000<br>-30.00000 | 35,000 ft<br>10,668 m | 326 | – |
| +56.000_--20.000<br>LATLON | R<br>NAT | 56.00000<br>-20.00000 | 35,000 ft<br>10,668 m | 336 | – |
| PIKIL<br>FIX | R<br>NAT | 56.00000<br>-15.00000 | 35,000 ft<br>10,668 m | 167 | – |
| SOVED<br>FIX | R<br>NAT | 56.00000<br>-14.00000 | 35,000 ft<br>10,668 m | 33 | – |
| GOMUP<br>FIX | –<br>– | 57.00000<br>-10.00000 | 35,000 ft<br>10,668 m | 145 | – |
| GINGA<br>FIX | UN572<br>AWY-HI | 56.92500<br>-9.50000 | 35,000 ft<br>10,668 m | 16 | – |
| TIR<br>VOR | UN572<br>AWY-HI | 56.49317<br>-6.87556 | 35,000 ft<br>10,668 m | 90 | TIREE VOR-DME |
| FINDO<br>FIX | UN572<br>AWY-HI | 56.36917<br>-3.46361 | 35,000 ft<br>10,668 m | 113 | – |
| MADAD<br>FIX | UP58<br>AWY-HI | 55.91306<br>-1.73389 | 35,000 ft<br>10,668 m | 64 | – |
| GOMOT<br>FIX | UL983<br>AWY-HI | 55.91944<br>-0.54417 | 35,000 ft<br>10,668 m | 40 | – |
| CUTEL<br>FIX | UL983<br>AWY-HI | 55.88583<br>2.37444 | 35,000 ft<br>10,668 m | 98 | – |
| SURAT<br>FIX | UL983<br>AWY-HI | 55.91556<br>3.50000 | 35,000 ft<br>10,668 m | 37 | – |
| PETIL<br>FIX | UL983<br>AWY-HI | 55.93889<br>5.00000 | 35,000 ft<br>10,668 m | 50 | – |
| BUSOM<br>FIX | UL983<br>AWY-HI | 55.94194<br>5.39472 | 35,000 ft<br>10,668 m | 13 | – |
| AMRAM<br>FIX | UL983<br>AWY-HI | 55.94361<br>6.63417 | 35,000 ft<br>10,668 m | 41 | – |
| VES<br>VOR | UL983<br>AWY-HI | 55.60315<br>8.29996 | 31,500 ft<br>9,601 m | 59 | VESTA VOR-DME |
| RIDSI | UL975 | 55.59167 | 23,500 ft | 57 | – |

| Ident<br>Type | Via | Lat<br>Lon | Alt | Dist<br>(nm) | Name |
|---|---|---|---|---|---|
| FIX | AWY-HI | 9.99417 | 7,163 m | | |
| EKCH | - | 55.61291 | 0 ft | 89 | Kastrup |
| APT | - | 12.64096 | 0 m | | |

# KBOS

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 6

Elevation: 19 ft / 6 m
Location: 42.363000 -71.006800
Magnetic Var: 14.295 W

## METAR

KBOS 190854Z 28012KT 10SM SCT095 02/M02 A2957 RMK AO2 SLP013 T00171022 58010

## TAF

TAF AMD KBOS 190808Z 1908/2012 28012G20KT P6SM BKN080 FM192000 28012KT P6SM SCT050 FM200000 25008KT P6SM BKN050 FM

## Frequencies

REC - 135.00 MHz - D-ATIS
CLD - 121.65 MHz - CLEARANCE DELIVERY
GND - 121.90 MHz - BOSTON GROUND
TWR - 124.72 MHz - BOSTON TOWER
APP - 118.25 MHz - BOSTON APPROACH
APP - 127.20 MHz - BOSTON APPROACH

COM - 122.95 MHz - UNICOM
GND - 121.75 MHz - BOSTON GROUND
TWR - 128.80 MHz - BOSTON TOWER
TWR - 132.22 MHz - BOSTON TOWER
APP - 120.60 MHz - BOSTON APPROACH
DEP - 133.00 MHz - BOSTON DEPARTURE

## Runways

| Ident | Width | Length | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|---|---|---|---|---|---|---|
| 15R | 148 ft<br>45 m | 10,092 ft<br>3,076 m | 135.27<br>149.57 | ASPHALT | 883 ft<br>269 m | 197 ft<br>60 m |
| 33L | 148 ft<br>45 m | 10,092 ft<br>3,076 m | 315.29<br>329.58 | ASPHALT | 0 ft<br>0 m | 167 ft<br>51 m |
| 04R | 148 ft<br>45 m | 10,012 ft<br>3,052 m | 19.69<br>33.98 | ASPHALT | 1,155 ft<br>352 m | 420 ft<br>128 m |
| 22L | 148 ft<br>45 m | 10,012 ft<br>3,052 m | 199.69<br>213.99 | ASPHALT | 1,201 ft<br>366 m | 200 ft<br>61 m |
| 04L | 148 ft<br>45 m | 7,871 ft<br>2,399 m | 19.66<br>33.95 | ASPHALT | 0 ft<br>0 m | 1,250 ft<br>381 m |
| 22R | 148 ft<br>45 m | 7,871 ft<br>2,399 m | 199.66<br>213.96 | ASPHALT | 820 ft<br>250 m | 200 ft<br>61 m |
| 09 | 148 ft<br>45 m | 7,008 ft<br>2,136 m | 76.51<br>90.81 | ASPHALT | 0 ft<br>0 m | 932 ft<br>284 m |
| 27 | 148 ft<br>45 m | 7,008 ft<br>2,136 m | 256.53<br>270.82 | ASPHALT | 0 ft<br>0 m | 161 ft<br>49 m |
| 14 | 98 ft<br>30 m | 5,005 ft<br>1,526 m | 125.76<br>140.06 | ASPHALT | 0 ft<br>0 m | 0 ft<br>0 m |
| 32 | 98 ft<br>30 m | 5,005 ft<br>1,526 m | 305.77<br>320.07 | ASPHALT | 0 ft<br>0 m | 801 ft<br>244 m |
| 15L | 98 ft<br>30 m | 2,558 ft<br>780 m | 135.31<br>149.60 | ASPHALT | 0 ft<br>0 m | 305 ft<br>93 m |
| 33R | 98 ft<br>30 m | 2,558 ft<br>780 m | 315.31<br>329.61 | ASPHALT | 0 ft<br>0 m | 59 ft<br>18 m |

## Approach Navaids

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 04R | DME | IBOS | 110.30 MHz | 18 nm<br>33 km | -<br>- | - | 35 ft<br>35 m |
| 15R | DME | IMDC | 110.70 MHz | 18 nm<br>33 km | -<br>- | - | 27 ft<br>27 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 22L | DME | ILQN | 110.30 MHz | 18 nm<br>33 km | –<br>– | – | 35 ft<br>35 m |
| 27 | DME | IDGU | 111.30 MHz | 18 nm<br>33 km | –<br>– | – | 28 ft<br>28 m |
| 33L | DME | ILIP | 110.70 MHz | 18 nm<br>33 km | –<br>– | – | 19 ft<br>19 m |
| 04R | LOC-ILS | IBOS | 110.30 MHz | 18 nm<br>33 km | 19.68<br>33.98 | – | 20 ft<br>20 m |
| 15R | LOC-ILS | IMDC | 110.70 MHz | 18 nm<br>33 km | 135.28<br>149.58 | – | 20 ft<br>20 m |
| 22L | LOC-ILS | ILQN | 110.30 MHz | 18 nm<br>33 km | 199.68<br>213.98 | – | 20 ft<br>20 m |
| 27 | LOC-ILS | IDGU | 111.30 MHz | 18 nm<br>33 km | 256.52<br>270.82 | – | 20 ft<br>20 m |
| 33L | LOC-ILS | ILIP | 110.70 MHz | 18 nm<br>33 km | 315.28<br>329.58 | – | 20 ft<br>20 m |
| 04R | GS | IBOS | 110.30 MHz | 10 nm<br>19 km | 19.68<br>33.98 | 3.00 | 20 ft<br>20 m |
| 15R | GS | IMDC | 110.70 MHz | 10 nm<br>19 km | 135.28<br>149.58 | 3.00 | 20 ft<br>20 m |
| 22L | GS | ILQN | 110.30 MHz | 10 nm<br>19 km | 199.68<br>213.98 | 3.00 | 20 ft<br>20 m |
| 27 | GS | IDGU | 111.30 MHz | 10 nm<br>19 km | 256.52<br>270.82 | 3.00 | 20 ft<br>20 m |
| 33L | GS | ILIP | 110.70 MHz | 10 nm<br>19 km | 315.28<br>329.58 | 3.00 | 20 ft<br>20 m |

# EKCH

Region: DENMARK / FAROE ISLANDS
Timezone: EUROPE/COPENHAGEN
Runways: 3

Elevation: 17 ft / 5 m
Location: 55.617900 12.656000
Magnetic Var: 4.650 E

## METAR

EKCH 190920Z 16014KT 9999 SCT024 05/M02 Q1023 NOSIG

## TAF

TAF EKCH 190506Z 1906/2006 16012KT 9999 BKN025 BECMG 2000/2003 21010KT BKN010 BECMG 2003/2006 27005KT BKN005

## Frequencies

REC - 122.75 MHz - KASTRUP ARRIVAL INFORMATION
CLD - 119.90 MHz - CLEARANCE DELIVERY
GND - 121.72 MHz - APRON
TWR - 118.10 MHz - TOWER (ARRIVAL)
TWR - 118.70 MHz - TOWER (VFR)
APP - 120.20 MHz - FINAL
DEP - 120.25 MHz - DEPARTURE
APP - 118.45 MHz - ARRIVAL

REC - 122.85 MHz - KASTRUP DEPARTURE INFORMATION
GND - 121.62 MHz - APRON
GND - 121.90 MHz - APRON
TWR - 118.57 MHz - TOWER
TWR - 119.35 MHz - TOWER (DEPARTURE)
APP - 119.80 MHz - COPPENHAGEN APPROACH
DEP - 124.95 MHz - DEPARTURE

## Runways

| Ident | Width | Length | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|---|---|---|---|---|---|---|
| 04L | 148 ft<br>45 m | 11,695 ft<br>3,565 m | 41.13<br>36.48 | ASPHALT | 0 ft<br>0 m | 0 ft<br>0 m |
| 22R | 148 ft<br>45 m | 11,695 ft<br>3,565 m | 221.16<br>216.51 | ASPHALT | 1,870 ft<br>570 m | 0 ft<br>0 m |
| 04R | 148 ft<br>45 m | 10,814 ft<br>3,296 m | 41.14<br>36.49 | ASPHALT | 0 ft<br>0 m | 0 ft<br>0 m |
| 22L | 148 ft<br>45 m | 10,814 ft<br>3,296 m | 221.17<br>216.52 | ASPHALT | 0 ft<br>0 m | 0 ft<br>0 m |
| 12 | 148 ft<br>45 m | 10,046 ft<br>3,062 m | 123.21<br>118.56 | ASPHALT | 2,306 ft<br>703 m | 0 ft<br>0 m |
| 30 | 148 ft<br>45 m | 10,046 ft<br>3,062 m | 303.24<br>298.59 | ASPHALT | 886 ft<br>270 m | 0 ft<br>0 m |

## Approach Navaids

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 04L | DME | CH | 110.50 MHz | 18 nm<br>33 km | -<br>- | - | 14 ft<br>14 m |
| 12 | DME | KA | 109.90 MHz | 18 nm<br>33 km | -<br>- | - | 14 ft<br>14 m |
| 22L | DME | OXS | 109.50 MHz | 18 nm<br>33 km | -<br>- | - | 7 ft<br>7 m |
| 22R | DME | KLK | 110.90 MHz | 18 nm<br>33 km | -<br>- | - | 14 ft<br>14 m |
| 30 | DME | OY | 108.90 MHz | 18 nm<br>33 km | -<br>- | - | 9 ft<br>9 m |
| 04L | LOC-ILS | CH | 110.50 MHz | 18 nm<br>33 km | 41.16<br>36.51 | - | 17 ft<br>17 m |
| 04R | LOC-ILS | NE | 109.30 MHz | 18 nm<br>33 km | 41.18<br>36.53 | - | 17 ft<br>17 m |

| Runway | Type | Ident | Frequency | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|---|---|---|---|---|---|---|---|
| 12 | LOC-ILS | KA | 109.90 MHz | 18 nm<br>33 km | 123.25<br>118.60 | - | 17 ft<br>17 m |
| 22L | LOC-ILS | OXS | 109.50 MHz | 18 nm<br>33 km | 221.14<br>216.49 | - | 17 ft<br>17 m |
| 22R | LOC-ILS | KLK | 110.90 MHz | 18 nm<br>33 km | 221.14<br>216.49 | - | 17 ft<br>17 m |
| 30 | LOC-ILS | OY | 108.90 MHz | 18 nm<br>33 km | 303.23<br>298.58 | - | 17 ft<br>17 m |
| 04L | GS | CH | 110.50 MHz | 10 nm<br>19 km | 41.32<br>36.67 | 3.00 | 17 ft<br>17 m |
| 04R | GS | NE | 109.30 MHz | 10 nm<br>19 km | 41.32<br>36.67 | 3.00 | 17 ft<br>17 m |
| 12 | GS | KA | 109.90 MHz | 10 nm<br>19 km | 123.46<br>118.81 | 3.00 | 17 ft<br>17 m |
| 22L | GS | OXS | 109.50 MHz | 10 nm<br>19 km | 221.32<br>216.67 | 3.00 | 17 ft<br>17 m |
| 22R | GS | KLK | 110.90 MHz | 10 nm<br>19 km | 221.32<br>216.67 | 3.00 | 17 ft<br>17 m |
| 30 | GS | OY | 108.90 MHz | 10 nm<br>19 km | 303.46<br>298.81 | 3.00 | 17 ft<br>17 m |