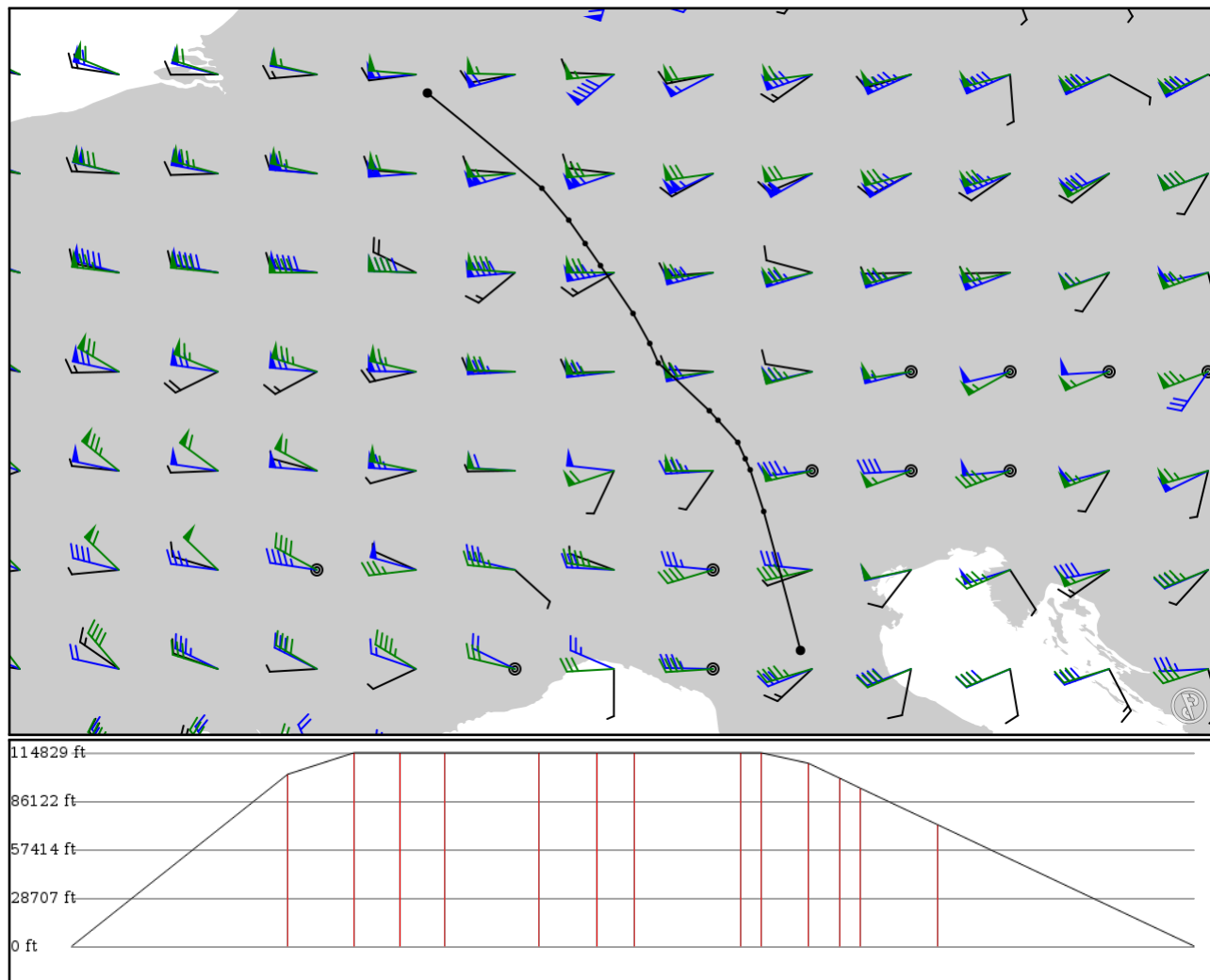


2024/05/05 0947Z

EDDL TUSUK **UZ738** RIDSU **UL607** UTABA **UM738** NATAG **Y740** LORLO **M738** UNTAD LIPE

450.65 nm / 834.60 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

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 |
|---------------|--------|------------|-----------|--------------|---------------------------|
| EDDL | - | 51.28940 | 0 ft | - | Dusseldorf |
| APT | - | 6.76662 | 0 m | | |
| TUSUK | - | 50.13560 | 31,100 ft | 87 | - |
| FIX | - | 8.15417 | 9,479 m | | |
| RIDSU | UZ738 | 49.74900 | 35,000 ft | 26 | - |
| FIX | AWY-HI | 8.47989 | 10,668 m | | |
| ABUKA | UL607 | 49.46530 | 35,000 ft | 18 | - |
| FIX | AWY-HI | 8.67917 | 10,668 m | | |
| SUNEG | UL607 | 49.19860 | 35,000 ft | 17 | - |
| FIX | AWY-HI | 8.86417 | 10,668 m | | |
| TEDGO | UL607 | 48.61840 | 35,000 ft | 38 | - |
| FIX | AWY-HI | 9.25921 | 10,668 m | | |
| UTABA | UL607 | 48.25500 | 35,000 ft | 23 | - |
| FIX | AWY-HI | 9.46167 | 10,668 m | | |
| BATUB | UM738 | 48.01920 | 35,000 ft | 14 | - |
| FIX | AWY-HI | 9.56389 | 10,668 m | | |
| OSDOV | UM738 | 47.44000 | 35,000 ft | 42 | - |
| FIX | AWY-HI | 10.18330 | 10,668 m | | |
| MADEB | UM738 | 47.32440 | 35,000 ft | 8 | - |
| FIX | AWY-HI | 10.28890 | 10,668 m | | |
| TIRUL | UM738 | 47.05720 | 33,100 ft | 18 | - |
| FIX | AWY-HI | 10.52870 | 10,089 m | | |
| NATAG | UM738 | 46.85800 | 30,400 ft | 12 | - |
| FIX | AWY-HI | 10.61870 | 9,266 m | | |
| LORLO | Y740 | 46.72420 | 28,600 ft | 8 | - |
| FIX | AWY-HI | 10.67890 | 8,717 m | | |
| UNTAD | M738 | 46.22000 | 22,000 ft | 31 | - |
| FIX | AWY-HI | 10.84280 | 6,706 m | | |
| LIPE | - | 44.53560 | 0 ft | 102 | Bologna Guglielmo Marconi |
| APT | - | 11.28830 | 0 m | | |

EDDL

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 2

Elevation: 145 ft / 44 m
Location: 51.289400 6.766620
Magnetic Var: 2.675 E

METAR

EDDL 050920Z AUTO 25011KT 9999 FEW018 OVC025 12/08 Q1010 NOSIG

TAF

TAF AMD EDDL 050338Z 0503/0606 23009KT 9999 BKN006 BECMG 0503/0506 SCT008 BKN020 TEMPO 0504/0508 BKN012 BECMG 0510/0512 BKN006

Frequencies

| | |
|----------------------------------------|---------------------------------------|
| REC - 123.77 MHz - ATIS | CLD - 121.77 MHz - CLEARANCE DELIVERY |
| GND - 121.90 MHz - GROUND | GND - 121.60 MHz - GROUND |
| GND - 121.67 MHz - GROUND | TWR - 118.30 MHz - TOWER |
| TWR - 124.35 MHz - TOWER | APP - 128.55 MHz - LANGEN RADAR |
| APP - 121.35 MHz - LANGEN RADAR | APP - 128.50 MHz - LANGEN RADAR |
| APP - 128.65 MHz - DUSSELDORF DIRECTOR | DEP - 133.77 MHz - DEPARTURE |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|----------|-------------------------|----------|---------------------|-------------------|
| 05R | 148 ft | 9,851 ft | 52.68 | CONCRETE | 984 ft | 659 ft |
| | 45 m | 3,003 m | 50.00 | | 300 m | 201 m |
| 23L | 148 ft | 9,851 ft | 232.71 | CONCRETE | 984 ft | 702 ft |
| | 45 m | 3,003 m | 230.03 | | 300 m | 214 m |
| 05L | 148 ft | 8,866 ft | 52.68 | CONCRETE | 994 ft | 906 ft |
| | 45 m | 2,702 m | 50.00 | | 303 m | 276 m |
| 23R | 148 ft | 8,866 ft | 232.70 | CONCRETE | 971 ft | 928 ft |
| | 45 m | 2,702 m | 230.02 | | 296 m | 283 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 05L | LOC-ILS | IDNE | 110.95 MHz | 18 nm | 52.69 | - | 145 ft |
| | | | | 33 km | 50.01 | | 145 m |
| 05R | LOC-ILS | IDSE | 110.15 MHz | 18 nm | 52.70 | - | 145 ft |
| | | | | 33 km | 50.02 | | 145 m |
| 23L | LOC-ILS | IDSW | 109.90 MHz | 18 nm | 232.70 | - | 145 ft |
| | | | | 33 km | 230.02 | | 145 m |
| 23R | LOC-ILS | IDNW | 109.30 MHz | 18 nm | 232.69 | - | 145 ft |
| | | | | 33 km | 230.01 | | 145 m |
| 05L | GS | IDNE | 110.95 MHz | 10 nm | 52.69 | 3.00 | 145 ft |
| | | | | 19 km | 50.01 | | 145 m |
| 05R | GS | IDSE | 110.15 MHz | 10 nm | 52.70 | 3.00 | 145 ft |
| | | | | 19 km | 50.02 | | 145 m |
| 23L | GS | IDSW | 109.90 MHz | 10 nm | 232.70 | 3.00 | 145 ft |
| | | | | 19 km | 230.02 | | 145 m |
| 23R | GS | IDNW | 109.30 MHz | 10 nm | 232.69 | 3.00 | 145 ft |
| | | | | 19 km | 230.01 | | 145 m |

LIPE

Region: ITALY
Timezone: EUROPE/ROME
Runways: 1

Elevation: 123 ft / 37 m
Location: 44.535600 11.288300
Magnetic Var: 3.630 E

METAR

LIPE 050920Z VRB02KT CAVOK 21/12 Q1015

TAF

TAF LIPE 050500Z 0506/0606 VRB05KT 9999 FEW050

Frequencies

REC - 134.87 MHz - ATIS
TWR - 120.80 MHz - BOLOGNA TOWER
APP - 129.90 MHz - BOLOGNA APPROACH
GND - 129.92 MHz - BOLOGNA GROUND
APP - 120.10 MHz - BOLOGNA APPROACH

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|----------|-------------------------|---------|---------------------|-------------------|
| 12 | 148 ft | 9,206 ft | 116.79 | ASPHALT | 1,017 ft | 243 ft |
| | 45 m | 2,806 m | 113.16 | | 310 m | 74 m |
| 30 | 148 ft | 9,206 ft | 296.81 | ASPHALT | 1,188 ft | 180 ft |
| | 45 m | 2,806 m | 293.18 | | 362 m | 55 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 12 | DME | BLN | 108.90 MHz | 18 nm | - | - | 131 ft |
| | | | | 33 km | - | | 131 m |
| 30 | DME | IBBP | 109.75 MHz | 18 nm | - | - | 123 ft |
| | | | | 33 km | - | | 123 m |
| 12 | LOC-ILS | BLN | 108.90 MHz | 18 nm | 116.81 | - | 123 ft |
| | | | | 33 km | 113.18 | | 123 m |
| 30 | LOC-ILS | IBBP | 109.75 MHz | 18 nm | 296.66 | - | 123 ft |
| | | | | 33 km | 293.03 | | 123 m |
| 12 | GS | BLN | 108.90 MHz | 10 nm | 117.59 | 3.00 | 120 ft |
| | | | | 19 km | 113.96 | | 120 m |
| 30 | GS | IBBP | 109.75 MHz | 10 nm | 297.75 | 3.50 | 123 ft |
| | | | | 19 km | 294.12 | | 123 m |