

# LIEO

OLBIA COSTA SMERALDA

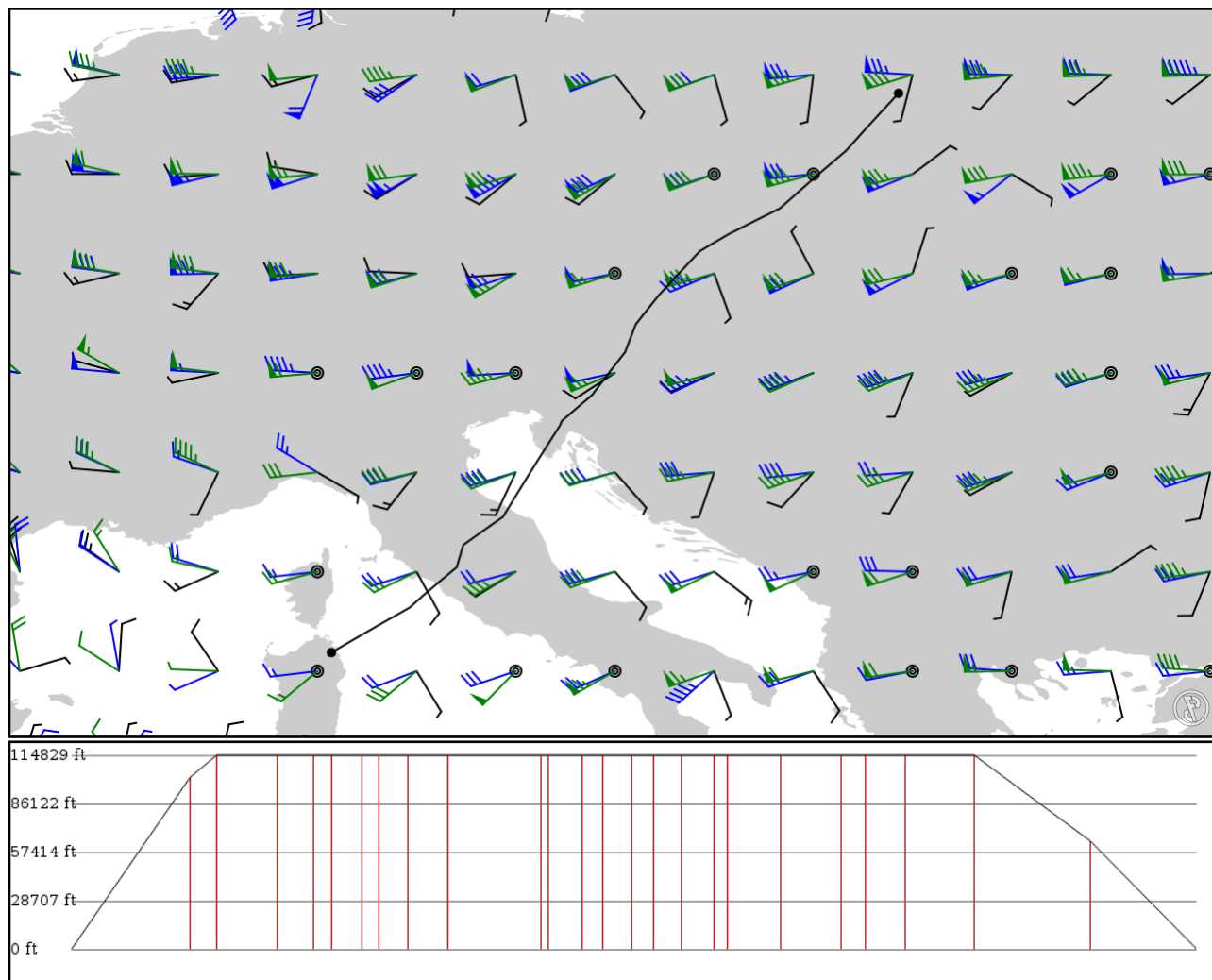
# EPWA

WARSZAWA Okęcie

2024/05/09 0247Z

LIEO MAMAR UP160 MEDAL UP142 BOL UN737 GIRDA UL141 GRZ UM725 PUBEG UM984 TUSIN N744 NAVUR EPWA

841.97 nm / 1559.32 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<br>Type | Via             | Lat<br>Lon           | Alt                   | Dist<br>(nm) | Name                 |
|---------------|-----------------|----------------------|-----------------------|--------------|----------------------|
| LIEO<br>APT   | -               | 40.89866<br>9.51763  | 0 ft<br>0 m           | -            | OLBIA COSTA SMERALDA |
| MAMAR<br>FIX  | -               | 41.80389<br>11.09750 | 31,000 ft<br>9,449 m  | 89           | -                    |
| MEDAL<br>FIX  | UP160<br>AWY-HI | 42.05278<br>11.37639 | 35,000 ft<br>10,668 m | 19           | -                    |
| BOL<br>VOR    | UP142<br>AWY-HI | 42.61833<br>12.04861 | 35,000 ft<br>10,668 m | 45           | BOLSENA VORTAC       |
| NIKMA<br>FIX  | UN737<br>AWY-HI | 43.06639<br>12.18028 | 35,000 ft<br>10,668 m | 27           | -                    |
| UMBED<br>FIX  | UN737<br>AWY-HI | 43.21694<br>12.39139 | 35,000 ft<br>10,668 m | 12           | -                    |
| GUBIN<br>FIX  | UN737<br>AWY-HI | 43.48694<br>12.77417 | 35,000 ft<br>10,668 m | 23           | -                    |
| VAPIX<br>FIX  | UN737<br>AWY-HI | 43.63361<br>12.98417 | 35,000 ft<br>10,668 m | 12           | -                    |
| LANLI<br>FIX  | UN737<br>AWY-HI | 43.95722<br>13.18056 | 35,000 ft<br>10,668 m | 21           | -                    |
| BAXON<br>FIX  | UN737<br>AWY-HI | 44.41639<br>13.46306 | 35,000 ft<br>10,668 m | 30           | -                    |
| GIRDA<br>FIX  | UN737<br>AWY-HI | 45.47557<br>14.13395 | 35,000 ft<br>10,668 m | 69           | -                    |
| ILB<br>VOR    | UL141<br>AWY-HI | 45.56559<br>14.17086 | 35,000 ft<br>10,668 m | 5            | BISTRICA VOR-DME     |
| LASLO<br>FIX  | UL141<br>AWY-HI | 45.88854<br>14.54770 | 35,000 ft<br>10,668 m | 25           | -                    |
| DOL<br>VOR    | UL141<br>AWY-HI | 46.08414<br>14.77857 | 35,000 ft<br>10,668 m | 15           | DOLSKO VOR-DME       |
| ARLON<br>FIX  | UL141<br>AWY-HI | 46.41382<br>15.02976 | 35,000 ft<br>10,668 m | 22           | -                    |
| RADLY<br>FIX  | UL141<br>AWY-HI | 46.64601<br>15.20824 | 35,000 ft<br>10,668 m | 15           | -                    |
| GRZ<br>VOR    | UL141<br>AWY-HI | 46.95537<br>15.44943 | 35,000 ft<br>10,668 m | 21           | GRAZ VOR-DME         |
| UMBIL<br>FIX  | UM725<br>AWY-HI | 47.35332<br>15.60117 | 35,000 ft<br>10,668 m | 24           | -                    |
| PUBEG<br>FIX  | UM725<br>AWY-HI | 47.51124<br>15.66199 | 35,000 ft<br>10,668 m | 9            | -                    |
| GISPO<br>FIX  | UM984<br>AWY-HI | 48.09880<br>16.12953 | 35,000 ft<br>10,668 m | 40           | -                    |
| SUMEK<br>FIX  | UM984<br>AWY-HI | 48.73594<br>16.71954 | 35,000 ft<br>10,668 m | 44           | -                    |
| BOLMU<br>FIX  | UM984<br>AWY-HI | 48.98579<br>16.95579 | 35,000 ft<br>10,668 m | 17           | -                    |
| HLV<br>NDB    | UM984<br>AWY-HI | 49.32285<br>17.52840 | 35,000 ft<br>10,668 m | 30           | HOLESOV NDB          |
| TUSIN<br>FIX  | UM984<br>AWY-HI | 49.84749<br>18.57284 | 35,000 ft<br>10,668 m | 51           | -                    |
| NAVUR<br>FIX  | N744<br>AWY-LO  | 51.01306<br>19.91111 | 19,500 ft<br>5,944 m  | 86           | -                    |
| EPWA<br>APT   | -               | 52.16509<br>20.96692 | 0 ft<br>0 m           | 79           | WARSZAWA Okęcie      |

## LIEO

Region: ITALY  
Timezone: EUROPE/ROME  
Runways: 1

Elevation: 37 ft / 11 m  
Location: 40.898700 9.517640  
Magnetic Var: 3.109 E

## METAR

LIEO 090220Z 24003KT 9999 SCT040 15/14 Q1015

## TAF

TAF LIEO 082300Z 0900/0924 VRB05KT 9999 SCT040 TEMPO 0900/0906 RA BECMG 0906/0908 03013KT

## Frequencies

TWR - 118.97 MHz - OLBIA TOWER  
APP - 125.95 MHz - OLBIA APPROACH

TWR - 122.10 MHz - OLBIA TOWER  
REC - 113.90 MHz - ATIS

## Runways

| Ident | Width  | Length   | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|----------|-------------------------|---------|---------------------|-------------------|
| 05    | 148 ft | 8,029 ft | 55.29                   | ASPHALT | 797 ft              | 203 ft            |
|       | 45 m   | 2,447 m  | 52.19                   |         | 243 m               | 62 m              |
| 23    | 148 ft | 8,029 ft | 235.31                  | ASPHALT | 489 ft              | 190 ft            |
|       | 45 m   | 2,447 m  | 232.20                  |         | 149 m               | 58 m              |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 05     | DME     | ISM   | 109.90 MHz | 18 nm | -                       | -     | 36 ft     |
|        |         |       |            | 33 km | -                       |       | 36 m      |
| 23     | DME     | IOL   | 111.30 MHz | 25 nm | -                       | -     | 36 ft     |
|        |         |       |            | 46 km | -                       |       | 36 m      |
| 05     | LOC-ILS | ISM   | 109.90 MHz | 18 nm | 55.30                   | -     | 37 ft     |
|        |         |       |            | 33 km | 52.19                   |       | 37 m      |
| 23     | LOC-ILS | IOL   | 111.30 MHz | 18 nm | 235.30                  | -     | 37 ft     |
|        |         |       |            | 33 km | 232.19                  |       | 37 m      |
| 05     | GS      | ISM   | 109.90 MHz | 10 nm | 55.30                   | 3.50  | 37 ft     |
|        |         |       |            | 19 km | 52.19                   |       | 37 m      |
| 23     | GS      | IOL   | 111.30 MHz | 10 nm | 235.30                  | 3.00  | 37 ft     |
|        |         |       |            | 19 km | 232.19                  |       | 37 m      |

## EPWA

Region: POLAND  
Timezone: EUROPE/WARSAW  
Runways: 2

Elevation: 362 ft / 110 m  
Location: 52.165100 20.967000  
Magnetic Var: 6.622 E

## METAR

EPWA 090230Z 06007KT CAVOK 08/M00 Q1026 NOSIG

## TAF

TAF EPWA 090230Z 0903/1003 07006KT CAVOK

## Frequencies

|  |                                       |
|--|---------------------------------------|
| REC - 120.45 MHz - ATIS                | TWR - 118.30 MHz - OKECIE TOWER       |
| GND - 121.90 MHz - OKECIE GROUND       | CLD - 121.60 MHz - CLEARANCE DELIVERY |
| APP - 128.80 MHz - WARSAW APPROACH     | APP - 125.05 MHz - WARSAW APPROACH    |
| REC - 118.77 MHz - OLSZTYN INFORMATION | REC - 119.45 MHz - WARSAW INFORMATION |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 11    | 164 ft | 9,166 ft  | 114.57                  | ASPHALT | 0 ft                | 492 ft            |
|       | 50 m   | 2,794 m   | 107.95                  |         | 0 m                 | 150 m             |
| 29    | 164 ft | 9,166 ft  | 294.60                  | ASPHALT | 1,617 ft            | 102 ft            |
|       | 50 m   | 2,794 m   | 287.98                  |         | 493 m               | 31 m              |
| 15    | 197 ft | 12,093 ft | 151.80                  | ASPHALT | 0 ft                | 144 ft            |
|       | 60 m   | 3,686 m   | 145.18                  |         | 0 m                 | 44 m              |
| 33    | 197 ft | 12,093 ft | 331.82                  | ASPHALT | 2,159 ft            | 148 ft            |
|       | 60 m   | 3,686 m   | 325.20                  |         | 658 m               | 45 m              |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 11     | DME     | WAS   | 109.90 MHz | 18 nm | -                       | -     | 394 ft    |
|        |         |       |            | 33 km | -                       |       | 394 m     |
| 33     | DME     | WA    | 110.30 MHz | 18 nm | -                       | -     | 394 ft    |
|        |         |       |            | 33 km | -                       |       | 394 m     |
| 11     | LOC-ILS | WAS   | 109.90 MHz | 18 nm | 114.59                  | -     | 362 ft    |
|        |         |       |            | 33 km | 107.97                  |       | 362 m     |
| 33     | LOC-ILS | WA    | 110.30 MHz | 18 nm | 331.82                  | -     | 362 ft    |
|        |         |       |            | 33 km | 325.20                  |       | 362 m     |
| 11     | GS      | WAS   | 109.90 MHz | 10 nm | 114.59                  | 3.00  | 362 ft    |
|        |         |       |            | 19 km | 107.97                  |       | 362 m     |
| 33     | GS      | WA    | 110.30 MHz | 10 nm | 331.82                  | 3.00  | 362 ft    |
|        |         |       |            | 19 km | 325.20                  |       | 362 m     |