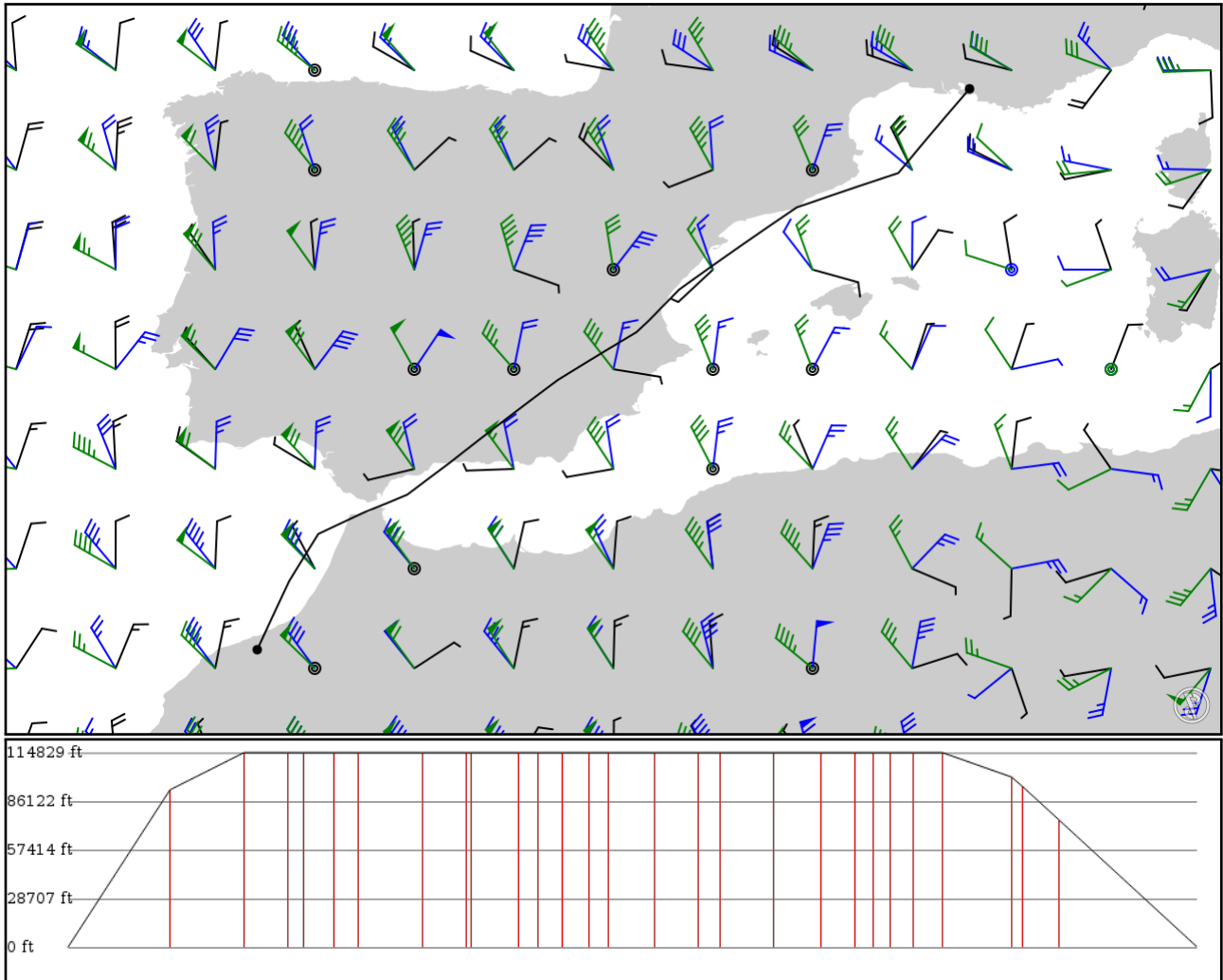


2024/06/12 1707Z

GMMN TOLSI **UG5** ROMSO **UB28** BARPA **UM985** PIMOS **UM445** SOPET **B28** TORDU **UM985** BCN **UN870** PIVUS LFML

873.95 nm / 1618.55 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 |
|---------------|-----------------|----------------------|-----------------------|--------------|----------------------------|
| GMMN APT | - | 33.36740 -7.58998 | 0 ft 0 m | - | Casablanca Mohammed V Intl |
| TOLSI FIX | - | 34.60060 -7.01500 | 28,300 ft 8,626 m | 79 | - |
| ROMSO FIX | UG5 AWY-HI | 35.44530 -6.49250 | 35,000 ft 10,668 m | 56 | - |
| TNG VOR | UB28 AWY-HI | 35.72880 -5.89078 | 35,000 ft 10,668 m | 33 | TANGER |
| BARPA FIX | UB28 AWY-HI | 35.83330 -5.66667 | 35,000 ft 10,668 m | 12 | - |
| XAVIR FIX | UM985 AWY-HI | 36.00410 -5.24303 | 35,000 ft 10,668 m | 23 | - |
| PIMOS FIX | UM985 AWY-HI | 36.15040 -4.89347 | 35,000 ft 10,668 m | 19 | - |
| RAKOR FIX | UM445 AWY-HI | 36.72000 -4.13414 | 35,000 ft 10,668 m | 50 | - |
| RIXUR FIX | UM445 AWY-HI | 37.10890 -3.63650 | 35,000 ft 10,668 m | 33 | - |
| PEPAS FIX | UM445 AWY-HI | 37.15970 -3.57083 | 35,000 ft 10,668 m | 4 | - |
| ARPEX FIX | UM445 AWY-HI | 37.57980 -3.02419 | 35,000 ft 10,668 m | 36 | - |
| KOSEL FIX | UM445 AWY-HI | 37.75470 -2.79369 | 35,000 ft 10,668 m | 15 | - |
| BUDIT FIX | UM445 AWY-HI | 37.97250 -2.50444 | 35,000 ft 10,668 m | 18 | - |
| ETURA FIX | UM445 AWY-HI | 38.20810 -2.18861 | 35,000 ft 10,668 m | 20 | - |
| TOSTO FIX | UM445 AWY-HI | 38.36430 -1.93614 | 35,000 ft 10,668 m | 15 | - |
| OLPOS FIX | UM445 AWY-HI | 38.72690 -1.34222 | 35,000 ft 10,668 m | 35 | - |
| BEGOX FIX | UM445 AWY-HI | 39.06920 -0.77194 | 35,000 ft 10,668 m | 33 | - |
| LASPO FIX | UM445 AWY-HI | 39.28260 -0.54439 | 35,000 ft 10,668 m | 16 | - |
| SOPET FIX | UM445 AWY-HI | 39.83380 -0.00469 | 35,000 ft 10,668 m | 41 | - |
| TORDU FIX | B28 AWY-LO | 40.25790 0.58819 | 35,000 ft 10,668 m | 37 | - |
| LOTOS FIX | UM985 AWY-HI | 40.54970 1.00297 | 35,000 ft 10,668 m | 25 | - |
| EBROX FIX | UM985 AWY-HI | 40.70870 1.23178 | 35,000 ft 10,668 m | 14 | - |
| PEXOT FIX | UM985 AWY-HI | 40.86080 1.45194 | 35,000 ft 10,668 m | 13 | - |
| RODRA FIX | UM985 AWY-HI | 41.05150 1.73039 | 35,000 ft 10,668 m | 17 | - |
| BCN VOR | UM985 AWY-HI | 41.30710 2.10781 | 35,000 ft 10,668 m | 22 | BARCELONA |
| FEVIK FIX | UN870 AWY-HI | 41.67960 3.19600 | 30,600 ft 9,327 m | 53 | - |
| DALIN | UN870 | 41.73380 | 28,900 ft | 7 | - |

| Ident Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|--------|------------|-----------|--------------|--------------------|
| FIX | AWY-HI | 3.35789 | 8,809 m | | |
| PIVUS | UN870 | 41.92390 | 22,900 ft | 28 | - |
| FIX | AWY-HI | 3.93375 | 6,980 m | | |
| LFML | - | 43.43580 | 0 ft | 106 | Marseille Provence |
| APT | - | 5.21342 | 0 m | | |

GMMN

Region: MOROCCO
Timezone: AFRICA/CASABLANCA
Runways: 2

Elevation: 655 ft / 200 m
Location: 33.367400 -7.589980
Magnetic Var: 1.092 W

METAR

GMMN 121630Z 34012KT 320V020 9999 BKN030 23/14 Q1018 NOSIG

TAF

TAF GMMN 121100Z 1212/1318 35013KT 9999 SCT016 SCT030 BECMG 1219/1221 03005KT PROB30 TEMPO 1303/1307 4000 BR BKN0

Frequencies

REC - 126.30 MHz - ATIS
APP - 121.30 MHz -

TWR - 118.50 MHz -
GND - 130.60 MHz -

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 17L | 148 ft | 12,231 ft | 163.94 | ASPHALT | 0 ft | 988 ft |
| | 45 m | 3,728 m | 165.03 | | 0 m | 301 m |
| 35R | 148 ft | 12,231 ft | 343.95 | ASPHALT | 0 ft | 1,004 ft |
| | 45 m | 3,728 m | 345.04 | | 0 m | 306 m |
| 17R | 148 ft | 12,188 ft | 163.98 | ASPHALT | 0 ft | 207 ft |
| | 45 m | 3,715 m | 165.07 | | 0 m | 63 m |
| 35L | 148 ft | 12,188 ft | 343.98 | ASPHALT | 0 ft | 223 ft |
| | 45 m | 3,715 m | 345.07 | | 0 m | 68 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 35L | DME | INL | 110.70 MHz | 18 nm | - | - | 656 ft |
| | | | | 33 km | - | | 656 m |
| 17R | LOC-ILS | CAS | 108.30 MHz | 18 nm | 163.98 | - | 655 ft |
| | | | | 33 km | 165.07 | | 655 m |
| 35L | LOC-ILS | INL | 110.70 MHz | 18 nm | 343.98 | - | 655 ft |
| | | | | 33 km | 345.07 | | 655 m |
| 35R | LOC-ILS | INR | 109.90 MHz | 18 nm | 343.95 | - | 655 ft |
| | | | | 33 km | 345.04 | | 655 m |
| 17R | GS | CAS | 108.30 MHz | 10 nm | 163.98 | 3.00 | 655 ft |
| | | | | 19 km | 165.07 | | 655 m |
| 35L | GS | INL | 110.70 MHz | 10 nm | 343.98 | 3.00 | 655 ft |
| | | | | 19 km | 345.07 | | 655 m |
| 35R | GS | INR | 109.90 MHz | 10 nm | 343.95 | 2.70 | 655 ft |
| | | | | 19 km | 345.04 | | 655 m |

LFML

Region: FRANCE
Timezone: EUROPE/PARIS
Runways: 2

Elevation: 69 ft / 21 m
Location: 43.435800 5.213430
Magnetic Var: 2.293 E

METAR

LFML 121630Z AUTO 32021KT CAVOK 24/07 Q1013 BECMG 32020G30KT

TAF

TAF LFML 121400Z 1215/1321 32020G30KT CAVOK TX26/1215Z TN16/1304Z BECMG 1312/1314 25015KT BECMG 1318/1320 15005KT

Frequencies

| | |
|--------------------------------------|---------------------------------------|
| TWR - 125.35 MHz - PROVENCE ATIS | GND - 121.72 MHz - PROVENCE PREFLIGHT |
| GND - 121.90 MHz - PROVENCE GROUND | TWR - 133.10 MHz - PROVENCE TOWER |
| TWR - 123.72 MHz - PROVENCE TOWER | APP - 120.20 MHz - PROVENCE APPROACH |
| TWR - 120.87 MHz - PROVENCE APPROACH | APP - 121.42 MHz - PROVENCE APPROACH |
| APP - 124.35 MHz - PROVENCE APPROACH | APP - 127.72 MHz - PROVENCE APPROACH |
| TWR - 129.47 MHz - PROVENCE APPROACH | APP - 132.30 MHz - PROVENCE APPROACH |

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 13L | 148 ft | 11,485 ft | 134.05 | ASPHALT | 1,122 ft | 295 ft |
| | 45 m | 3,501 m | 131.76 | | 342 m | 90 m |
| 31R | 148 ft | 11,485 ft | 314.07 | ASPHALT | 2,165 ft | 331 ft |
| | 45 m | 3,501 m | 311.78 | | 660 m | 101 m |
| 13R | 148 ft | 7,783 ft | 134.89 | ASPHALT | 0 ft | 197 ft |
| | 45 m | 2,372 m | 132.60 | | 0 m | 60 m |
| 31L | 148 ft | 7,783 ft | 314.91 | ASPHALT | 348 ft | 194 ft |
| | 45 m | 2,372 m | 312.61 | | 106 m | 59 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 13L | DME | ML | 110.30 MHz | 27 nm | - | - | 10 ft |
| | | | | 50 km | - | | 10 m |
| 13R | DME | MCE | 108.30 MHz | 27 nm | - | - | 10 ft |
| | | | | 50 km | - | | 10 m |
| 31R | DME | MPV | 111.15 MHz | 27 nm | - | - | 10 ft |
| | | | | 50 km | - | | 10 m |
| 13L | LOC-ILS | ML | 110.30 MHz | 18 nm | 134.05 | - | 74 ft |
| | | | | 33 km | 131.76 | | 74 m |
| 13R | LOC-ILS | MCE | 108.30 MHz | 18 nm | 134.90 | - | 74 ft |
| | | | | 33 km | 132.61 | | 74 m |
| 31R | LOC-ILS | MPV | 111.15 MHz | 18 nm | 314.05 | - | 74 ft |
| | | | | 33 km | 311.76 | | 74 m |
| 13L | GS | ML | 110.30 MHz | 10 nm | 134.05 | 3.00 | 10 ft |
| | | | | 19 km | 131.76 | | 10 m |
| 13R | GS | MCE | 108.30 MHz | 10 nm | 134.90 | 3.00 | 74 ft |
| | | | | 19 km | 132.61 | | 74 m |
| 31R | GS | MPV | 111.15 MHz | 10 nm | 314.05 | 4.00 | 10 ft |
| | | | | 19 km | 311.76 | | 10 m |