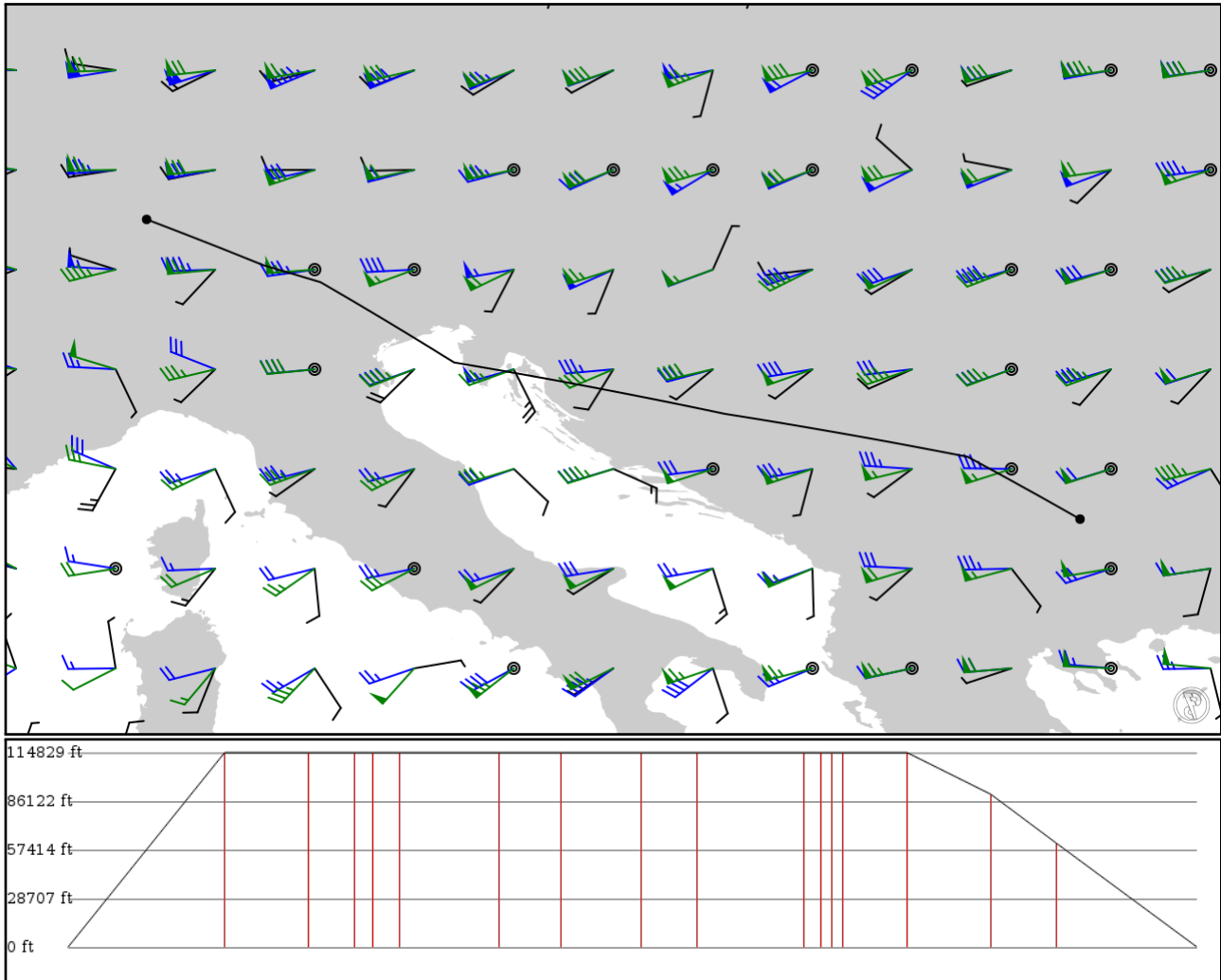


2024/06/09 0737Z

LBSF RAVAK **UL615** NAKIT **UN606** BABAG **N606** NAXAV **Z613** SAFFA LSZH

706.75 nm / 1308.91 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   |
|---------------|--------|------------|-----------|--------------|--------|
| LBSF          | -      | 42.69640   | 0 ft      | -            | Sofia  |
| APT           | -      | 23.41790   | 0 m       |              |        |
| RAVAK         | -      | 43.68740   | 35,000 ft | 98           | -      |
| FIX           | -      | 21.62700   | 10,668 m  |              |        |
| NANER         | UL615  | 43.90830   | 35,000 ft | 52           | -      |
| FIX           | AWY-HI | 20.46430   | 10,668 m  |              |        |
| KOSIV         | UL615  | 44.02690   | 35,000 ft | 29           | -      |
| FIX           | AWY-HI | 19.80910   | 10,668 m  |              |        |
| KUKUN         | UL615  | 44.07080   | 35,000 ft | 11           | -      |
| FIX           | AWY-HI | 19.56030   | 10,668 m  |              |        |
| VEBAR         | UL615  | 44.13670   | 35,000 ft | 16           | -      |
| FIX           | AWY-HI | 19.18030   | 10,668 m  |              |        |
| BOSNA         | UL615  | 44.37060   | 35,000 ft | 62           | -      |
| FIX           | AWY-HI | 17.75970   | 10,668 m  |              |        |
| NAVSU         | UL615  | 44.54830   | 35,000 ft | 38           | -      |
| FIX           | AWY-HI | 16.90140   | 10,668 m  |              |        |
| KOREX         | UL615  | 44.77110   | 35,000 ft | 50           | -      |
| FIX           | AWY-HI | 15.76920   | 10,668 m  |              |        |
| OBALA         | UL615  | 44.92030   | 35,000 ft | 35           | -      |
| FIX           | AWY-HI | 14.97250   | 10,668 m  |              |        |
| NAKIT         | UL615  | 45.18810   | 35,000 ft | 66           | -      |
| FIX           | AWY-HI | 13.44780   | 10,668 m  |              |        |
| PEVAL         | UN606  | 45.31140   | 35,000 ft | 11           | -      |
| FIX           | AWY-HI | 13.24750   | 10,668 m  |              |        |
| BABAG         | UN606  | 45.38690   | 35,000 ft | 6            | -      |
| FIX           | AWY-HI | 13.12690   | 10,668 m  |              |        |
| BADOP         | N606   | 45.46220   | 35,000 ft | 6            | -      |
| FIX           | AWY-HI | 13.00420   | 10,668 m  |              |        |
| NIVAS         | N606   | 45.90000   | 35,000 ft | 40           | -      |
| FIX           | AWY-HI | 12.28140   | 10,668 m  |              |        |
| NAXAV         | N606   | 46.46390   | 27,500 ft | 52           | -      |
| FIX           | AWY-HI | 11.32220   | 8,382 m   |              |        |
| SAFFA         | Z613   | 46.73690   | 18,700 ft | 41           | -      |
| FIX           | AWY-HI | 10.40440   | 5,700 m   |              |        |
| LSZH          | -      | 47.46350   | 0 ft      | 87           | Zurich |
| APT           | -      | 8.54995    | 0 m       |              |        |

## LBSF

Region: BULGARIA  
Timezone: EUROPE/SOFIA  
Runways: 1

Elevation: 1,741 ft / 531 m  
Location: 42.696400 23.417900  
Magnetic Var: 5.611 E

## METAR

LBSF 090700Z 13004KT 090V170 CAVOK 24/15 Q1014 NOSIG

## TAF

TAF LBSF 090500Z 0906/1006 VRB04KT CAVOK BECMG 0910/0912 11008KT 9999 SCT040 TEMPO 0912/0916 5000 TSRA FEW030CB S

## Frequencies

REC - 123.70 MHz - SOFIA ATIS  
APP - 123.70 MHz - SOFIA APPROACH

TWR - 118.10 MHz - SOFIA TOWER

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 09    | 148 ft | 11,777 ft | 94.64                   | ASPHALT | 978 ft              | 390 ft            |
|       | 45 m   | 3,590 m   | 89.03                   |         | 298 m               | 119 m             |
| 27    | 148 ft | 11,777 ft | 274.67                  | ASPHALT | 0 ft                | 397 ft            |
|       | 45 m   | 3,590 m   | 269.06                  |         | 0 m                 | 121 m             |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 09     | DME     | ISL   | 110.70 MHz | 18 nm | -                       | -     | 1,741 ft  |
|        |         |       |            | 33 km | -                       |       | 1,741 m   |
| 09     | LOC-ILS | ISL   | 110.70 MHz | 18 nm | 93.91                   | -     | 1,741 ft  |
|        |         |       |            | 33 km | 88.30                   |       | 1,741 m   |
| 27     | LOC-ILS | ISF   | 109.50 MHz | 18 nm | 273.91                  | -     | 1,741 ft  |
|        |         |       |            | 33 km | 268.30                  |       | 1,741 m   |
| 09     | GS      | ISL   | 110.70 MHz | 10 nm | 95.00                   | 3.00  | 1,741 ft  |
|        |         |       |            | 19 km | 89.39                   |       | 1,741 m   |
| 27     | GS      | ISF   | 109.50 MHz | 10 nm | 275.00                  | 3.00  | 1,741 ft  |
|        |         |       |            | 19 km | 269.39                  |       | 1,741 m   |

## LSZH

Region: SWITZERLAND  
Timezone: EUROPE/ZURICH  
Runways: 3

Elevation: 1,416 ft / 432 m  
Location: 47.463500 8.549950  
Magnetic Var: 3.135 E

## METAR

LSZH 090720Z 04004KT 9999 FEW006 BKN013 18/16 Q1009 BECMG SCT012

## TAF

TAF LSZH 090525Z 0906/1012 VRB02KT 9999 FEW009 SCT060 BKN070 TX21/0914Z TN16/0906Z TN13/1004Z PROB30 TEMPO 0906/0

## Frequencies

|                                    |                                     |
|------------------------------------|-------------------------------------|
| REC - 125.72 MHz - ATIS            | GND - 121.90 MHz - ZURICH GROUND    |
| GND - 118.15 MHz - ZURICH GROUND   | GND - 119.75 MHz - ZURICH GROUND    |
| GND - 121.75 MHz - ZURICH APRON    | GND - 121.70 MHz - ZURICH APRON     |
| GND - 121.85 MHz - ZURICH APRON    | GND - 121.97 MHz - ZURICH APRON     |
| TWR - 118.10 MHz - ZURICH TOWER    | TWR - 120.22 MHz - ZURICH TOWER     |
| TWR - 119.70 MHz - ZURICH TOWER    | APP - 118.00 MHz - ZURICH ARRIVAL   |
| APP - 135.22 MHz - ZURICH APPROACH | APP - 125.32 MHz - ZURICH FINAL     |
| APP - 120.75 MHz - ZURICH FINAL    | DEP - 125.95 MHz - ZURICH DEPARTURE |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 16    | 197 ft | 12,181 ft | 155.03                  | CONCRETE | 0 ft                | 62 ft             |
|       | 60 m   | 3,713 m   | 151.90                  |          | 0 m                 | 19 m              |
| 34    | 197 ft | 12,181 ft | 335.05                  | CONCRETE | 1,542 ft            | 49 ft             |
|       | 60 m   | 3,713 m   | 331.91                  |          | 470 m               | 15 m              |
| 14    | 197 ft | 10,816 ft | 137.29                  | CONCRETE | 492 ft              | 75 ft             |
|       | 60 m   | 3,297 m   | 134.16                  |          | 150 m               | 23 m              |
| 32    | 197 ft | 10,816 ft | 317.31                  | CONCRETE | 0 ft                | 82 ft             |
|       | 60 m   | 3,297 m   | 314.18                  |          | 0 m                 | 25 m              |
| 10    | 197 ft | 8,196 ft  | 95.99                   | CONCRETE | 0 ft                | 62 ft             |
|       | 60 m   | 2,498 m   | 92.86                   |          | 0 m                 | 19 m              |
| 28    | 197 ft | 8,196 ft  | 276.02                  | CONCRETE | 0 ft                | 276 ft            |
|       | 60 m   | 2,498 m   | 272.88                  |          | 0 m                 | 84 m              |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 14     | DME     | IKL   | 108.30 MHz | 18 nm | -                       | -     | 1,460 ft  |
|        |         |       |            | 33 km | -                       |       | 1,460 m   |
| 16     | DME     | IZH   | 110.50 MHz | 18 nm | -                       | -     | 1,400 ft  |
|        |         |       |            | 33 km | -                       |       | 1,400 m   |
| 28     | DME     | IZW   | 109.75 MHz | 18 nm | -                       | -     | 1,416 ft  |
|        |         |       |            | 33 km | -                       |       | 1,416 m   |
| 34     | DME     | IZS   | 110.75 MHz | 18 nm | -                       | -     | 1,410 ft  |
|        |         |       |            | 33 km | -                       |       | 1,410 m   |
| 14     | LOC-ILS | IKL   | 111.75 MHz | 18 nm | 137.31                  | -     | 1,417 ft  |
|        |         |       |            | 33 km | 134.18                  |       | 1,417 m   |
| 16     | LOC-ILS | IZH   | 110.50 MHz | 18 nm | 155.05                  | -     | 1,417 ft  |
|        |         |       |            | 33 km | 151.92                  |       | 1,417 m   |
| 28     | LOC-ILS | IZW   | 109.75 MHz | 18 nm | 276.01                  | -     | 1,417 ft  |
|        |         |       |            | 33 km | 272.88                  |       | 1,417 m   |

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 34     | LOC-ILS | IZS   | 110.75 MHz | 18 nm | 335.06                  | -     | 1,417 ft  |
|        |         |       |            | 33 km | 331.93                  |       | 1,417 m   |
| 14     | GS      | IKL   | 111.75 MHz | 10 nm | 137.31                  | 3.00  | 1,417 ft  |
|        |         |       |            | 19 km | 134.18                  |       | 1,417 m   |
| 16     | GS      | IZH   | 110.50 MHz | 10 nm | 155.05                  | 3.00  | 1,417 ft  |
|        |         |       |            | 19 km | 151.92                  |       | 1,417 m   |
| 28     | GS      | IZW   | 109.75 MHz | 10 nm | 276.01                  | 3.30  | 1,417 ft  |
|        |         |       |            | 19 km | 272.88                  |       | 1,417 m   |
| 34     | GS      | IZS   | 110.75 MHz | 10 nm | 335.06                  | 3.30  | 1,417 ft  |
|        |         |       |            | 19 km | 331.93                  |       | 1,417 m   |