

# KPHX

Phoenix Sky Harbor Intl

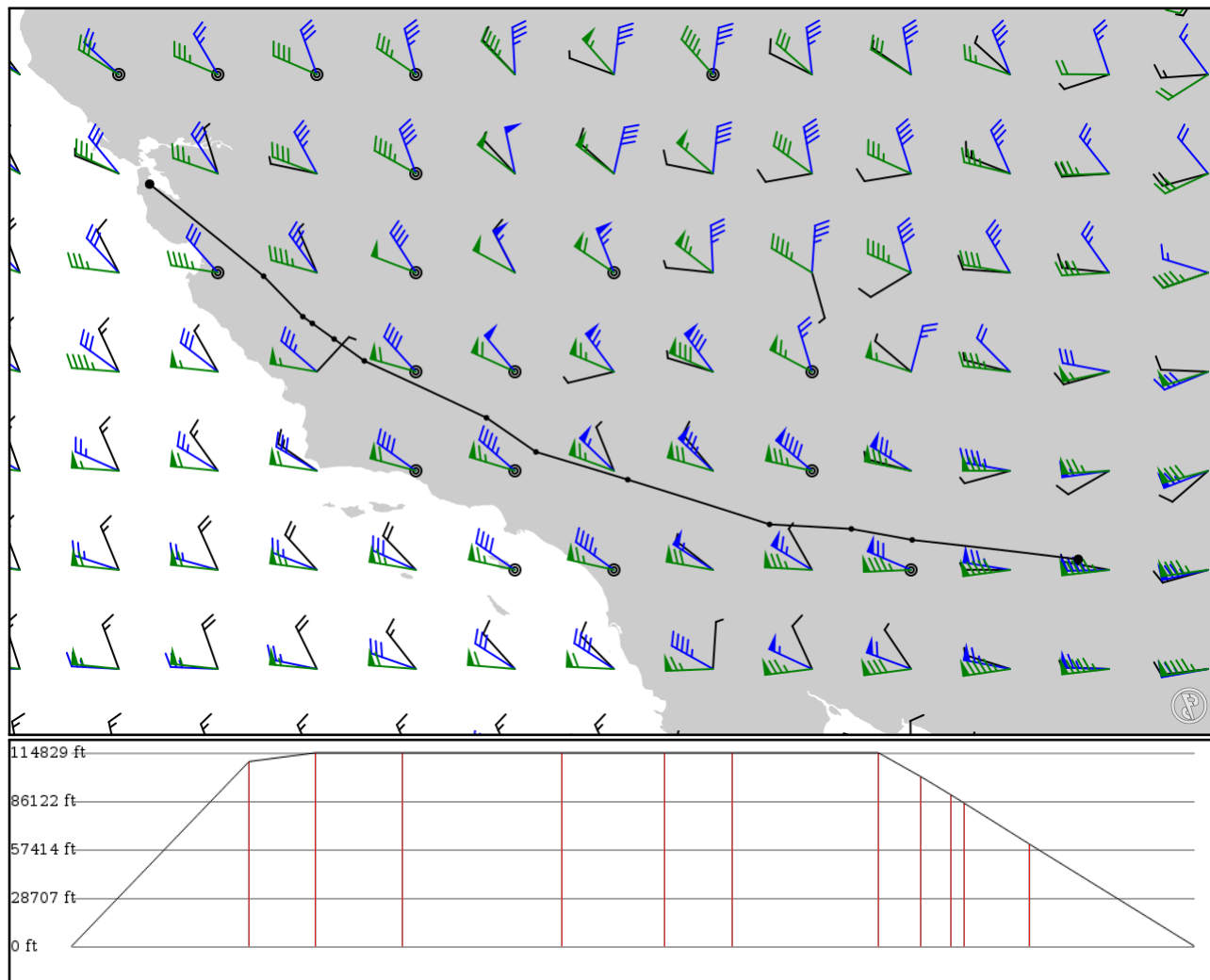
# KSFO

San Francisco International

2024/05/03 1442Z

KPHX HRRBR J212 DECAS J65 PMD J6 AVE V137 ROM V485 RANCK KSFO

590.45 nm / 1093.51 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                        |
|---------------|----------------|------------------------|-----------------------|--------------|-----------------------------|
| KPHX<br>APT   | -              | 33.43360<br>-112.01200 | 0 ft<br>0 m           | -            | Phoenix Sky Harbor Intl     |
| HRRBR<br>FIX  | -              | 33.64990<br>-113.86500 | 33,400 ft<br>10,180 m | 93           | -                           |
| CURIV<br>FIX  | J212<br>AWY-HI | 33.77300<br>-114.54400 | 35,000 ft<br>10,668 m | 34           | -                           |
| DECAS<br>FIX  | J212<br>AWY-HI | 33.82360<br>-115.45700 | 35,000 ft<br>10,668 m | 45           | -                           |
| AERRO<br>FIX  | J65<br>AWY-HI  | 34.32200<br>-117.03900 | 35,000 ft<br>10,668 m | 84           | -                           |
| PMD<br>VOR    | J65<br>AWY-HI  | 34.63140<br>-118.06400 | 35,000 ft<br>10,668 m | 54           | PALMDALE                    |
| LANDO<br>FIX  | J6<br>AWY-HI   | 35.01240<br>-118.61600 | 35,000 ft<br>10,668 m | 35           | -                           |
| AVE<br>VOR    | J6<br>AWY-HI   | 35.64700<br>-119.97900 | 35,000 ft<br>10,668 m | 76           | AVENAL                      |
| NEFDE<br>FIX  | V137<br>AWY-LO | 35.89060<br>-120.31600 | 30,700 ft<br>9,357 m  | 21           | -                           |
| OKEEF<br>FIX  | V137<br>AWY-LO | 36.06500<br>-120.55900 | 27,400 ft<br>8,352 m  | 15           | -                           |
| ROM<br>VOR    | V137<br>AWY-LO | 36.14040<br>-120.66500 | 25,900 ft<br>7,894 m  | 6            | PRIEST                      |
| RANCK<br>FIX  | V485<br>AWY-LO | 36.59160<br>-121.10300 | 18,500 ft<br>5,639 m  | 34           | -                           |
| KSFO<br>APT   | -              | 37.61850<br>-122.37500 | 0 ft<br>0 m           | 86           | San Francisco International |

## KPHX

Region: UNITED STATES  
Timezone: AMERICA/PHOENIX  
Runways: 3

Elevation: 1,135 ft / 346 m  
Location: 33.433600 -112.012000  
Magnetic Var: 9.722 E

## METAR

KPHX 031351Z 12007KT 10SM CLR 23/04 A2980 RMK A02 SLP073 T02280044

## TAF

TAF KPHX 031120Z 0312/0418 10005KT P6SM SKC FM031830 17005KT P6SM SKC FM032200 26008KT P6SM SKC FM041000 10005KT P

## Frequencies

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| REC - 127.57 MHz - ATIS              | CLD - 118.10 MHz - CLEARANCE DELIVERY |
| GND - 119.75 MHz - GROUND NORTH      | GND - 132.55 MHz - GROUND SOUTH       |
| TWR - 118.70 MHz - TOWER NORTH       | TWR - 120.90 MHz - TOWER SOUTH        |
| APP - 128.65 MHz - PHOENIX APPROACH  | APP - 120.70 MHz - PHOENIX APPROACH   |
| DEP - 124.10 MHz - PHOENIX APPROACH  | DEP - 126.80 MHz - PHOENIX DEPARTURE  |
| DEP - 124.90 MHz - PHOENIX DEPARTURE | DEP - 123.70 MHz - PHOENIX DEPARTURE  |
| DEP - 119.20 MHz - PHOENIX DEPARTURE |                                       |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 08    | 151 ft | 11,500 ft | 90.06                   | CONCRETE | 912 ft              | 0 ft              |
|       | 46 m   | 3,505 m   | 80.34                   |          | 278 m               | 0 m               |
| 26    | 151 ft | 11,500 ft | 270.08                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,505 m   | 260.36                  |          | 0 m                 | 0 m               |
| 07L   | 151 ft | 10,308 ft | 90.04                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,142 m   | 80.31                   |          | 0 m                 | 0 m               |
| 25R   | 151 ft | 10,308 ft | 270.06                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,142 m   | 260.33                  |          | 0 m                 | 0 m               |
| 07R   | 151 ft | 7,806 ft  | 90.04                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,379 m   | 80.31                   |          | 0 m                 | 0 m               |
| 25L   | 151 ft | 7,806 ft  | 270.05                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,379 m   | 260.33                  |          | 0 m                 | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 07L    | DME     | IPHX  | 111.50 MHz | 18 nm | -                       | -     | 1,142 ft  |
|        |         |       |            | 33 km | -                       |       | 1,142 m   |
| 07R    | DME     | IAHA  | 110.75 MHz | 18 nm | -                       | -     | 1,135 ft  |
|        |         |       |            | 33 km | -                       |       | 1,135 m   |
| 08     | DME     | ISYQ  | 111.75 MHz | 18 nm | -                       | -     | 1,149 ft  |
|        |         |       |            | 33 km | -                       |       | 1,149 m   |
| 25L    | DME     | IRJG  | 110.75 MHz | 18 nm | -                       | -     | 1,135 ft  |
|        |         |       |            | 33 km | -                       |       | 1,135 m   |
| 26     | DME     | CWJ   | 111.75 MHz | 18 nm | -                       | -     | 1,119 ft  |
|        |         |       |            | 33 km | -                       |       | 1,119 m   |
| 07L    | LOC-ILS | IPHX  | 111.50 MHz | 18 nm | 90.05                   | -     | 1,135 ft  |
|        |         |       |            | 33 km | 80.33                   |       | 1,135 m   |
| 07R    | LOC-ILS | IAHA  | 110.75 MHz | 18 nm | 90.04                   | -     | 1,135 ft  |
|        |         |       |            | 33 km | 80.32                   |       | 1,135 m   |

| Runway | Type    | Ident | Frequency  | Range          | Bearing (true)<br>(mag) | Slope | Elevation           |
|--------|---------|-------|------------|----------------|-------------------------|-------|---------------------|
| 08     | LOC-ILS | ISYQ  | 111.75 MHz | 18 nm<br>33 km | 90.07<br>80.35          | -     | 1,135 ft<br>1,135 m |
| 25L    | LOC-ILS | IRJG  | 110.75 MHz | 18 nm<br>33 km | 270.04<br>260.32        | -     | 1,135 ft<br>1,135 m |
| 26     | LOC-ILS | ICWJ  | 111.75 MHz | 18 nm<br>33 km | 270.07<br>260.35        | -     | 1,135 ft<br>1,135 m |
| 07L    | GS      | IPHX  | 111.50 MHz | 10 nm<br>19 km | 90.05<br>80.33          | 3.01  | 1,135 ft<br>1,135 m |
| 07R    | GS      | IAHA  | 110.75 MHz | 10 nm<br>19 km | 90.04<br>80.32          | 3.01  | 1,135 ft<br>1,135 m |
| 08     | GS      | ISYQ  | 111.75 MHz | 10 nm<br>19 km | 90.70<br>80.98          | 3.01  | 1,135 ft<br>1,135 m |
| 25L    | GS      | IRJG  | 110.75 MHz | 10 nm<br>19 km | 270.04<br>260.32        | 3.00  | 1,135 ft<br>1,135 m |
| 26     | GS      | ICWJ  | 111.75 MHz | 10 nm<br>19 km | 270.70<br>260.98        | 3.00  | 1,135 ft<br>1,135 m |

## KSFO

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 4

Elevation: 13 ft / 4 m  
Location: 37.618500 -122.375000  
Magnetic Var: 12.845 E

## METAR

KSFO 031356Z 25004KT 10SM FEW005 11/08 A2993 RMK AO2 SLP136 T01110083

## TAF

KSFO 031254Z 0313/0418 28010G20KT P6SM FEW015 FM031800 28013G23KT P6SM BKN250 FM032200 28025G35KT P6SM BKN250 FM040000 28010G20KT P6SM FEW015

## Frequencies

|  |   |
|--|---|
| REC - 113.70 MHz - D-ATIS              | REC - 115.80 MHz - D-ATIS               |
| REC - 118.85 MHz - D-ATIS              | COM - 122.95 MHz - UNICOM               |
| CLD - 118.20 MHz -                     | GND - 121.80 MHz - SAN FRANCISCO GROUND |
| SAN FRANCISCO CLEARANCE DELIVERY       | APP - 134.50 MHz - NORCAL APPROACH      |
| TWR - 120.50 MHz - SAN FRANCISCO TOWER | APP - 128.57 MHz - NORCAL APPROACH      |
| APP - 128.32 MHz - NORCAL APPROACH     | DEP - 120.90 MHz - NORCAL DEPARTURE     |
| APP - 133.95 MHz - NORCAL APPROACH     |   |
| DEP - 135.10 MHz - NORCAL DEPARTURE    |   |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 10L   | 200 ft | 11,859 ft | 117.90                  | ASPHALT | 0 ft                | 876 ft            |
|       | 61 m   | 3,615 m   | 105.05                  |         | 0 m                 | 267 m             |
| 28R   | 200 ft | 11,859 ft | 297.92                  | ASPHALT | 302 ft              | 318 ft            |
|       | 61 m   | 3,615 m   | 285.07                  |         | 92 m                | 97 m              |
| 10R   | 200 ft | 11,371 ft | 117.90                  | ASPHALT | 0 ft                | 748 ft            |
|       | 61 m   | 3,466 m   | 105.05                  |         | 0 m                 | 228 m             |
| 28L   | 200 ft | 11,371 ft | 297.92                  | ASPHALT | 305 ft              | 322 ft            |
|       | 61 m   | 3,466 m   | 285.07                  |         | 93 m                | 98 m              |
| 01R   | 200 ft | 8,665 ft  | 27.71                   | ASPHALT | 564 ft              | 404 ft            |
|       | 61 m   | 2,641 m   | 14.87                   |         | 172 m               | 123 m             |
| 19L   | 200 ft | 8,665 ft  | 207.72                  | ASPHALT | 0 ft                | 443 ft            |
|       | 61 m   | 2,641 m   | 194.87                  |         | 0 m                 | 135 m             |
| 01L   | 200 ft | 7,664 ft  | 27.71                   | ASPHALT | 643 ft              | 469 ft            |
|       | 61 m   | 2,336 m   | 14.87                   |         | 196 m               | 143 m             |
| 19R   | 200 ft | 7,664 ft  | 207.72                  | ASPHALT | 0 ft                | 446 ft            |
|       | 61 m   | 2,336 m   | 194.87                  |         | 0 m                 | 136 m             |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 19L    | DME     | ISIA  | 108.90 MHz | 18 nm | -                       | -     | 24 ft     |
|        |         |       |            | 33 km | -                       |       | 24 m      |
| 28L    | DME     | ISFO  | 109.55 MHz | 18 nm | -                       | -     | 22 ft     |
|        |         |       |            | 33 km | -                       |       | 22 m      |
| 28R    | DME     | IGWQ  | 111.70 MHz | 18 nm | -                       | -     | 17 ft     |
|        |         |       |            | 33 km | -                       |       | 17 m      |
| 28R    | DME     | IFNP  | 110.75 MHz | 18 nm | -                       | -     | 13 ft     |
|        |         |       |            | 33 km | -                       |       | 13 m      |
| 19L    | LOC-ILS | ISIA  | 108.90 MHz | 18 nm | 207.72                  | -     | 13 ft     |
|        |         |       |            | 33 km | 194.87                  |       | 13 m      |

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 28L    | LOC-ILS | ISFO  | 109.55 MHz | 18 nm | 297.91                  | -     | 13 ft     |
|        |         |       |            | 33 km | 285.06                  |       | 13 m      |
| 28R    | LOC-ILS | IGWQ  | 111.70 MHz | 18 nm | 297.91                  | -     | 13 ft     |
|        |         |       |            | 33 km | 285.06                  |       | 13 m      |
| 19L    | GS      | ISIA  | 108.90 MHz | 10 nm | 207.72                  | 3.00  | 13 ft     |
|        |         |       |            | 19 km | 194.87                  |       | 13 m      |
| 28L    | GS      | ISFO  | 109.55 MHz | 10 nm | 297.91                  | 2.85  | 13 ft     |
|        |         |       |            | 19 km | 285.06                  |       | 13 m      |
| 28R    | GS      | IGWQ  | 111.70 MHz | 10 nm | 297.91                  | 3.00  | 13 ft     |
|        |         |       |            | 19 km | 285.06                  |       | 13 m      |