

KGRB

Austin Straubel Intl

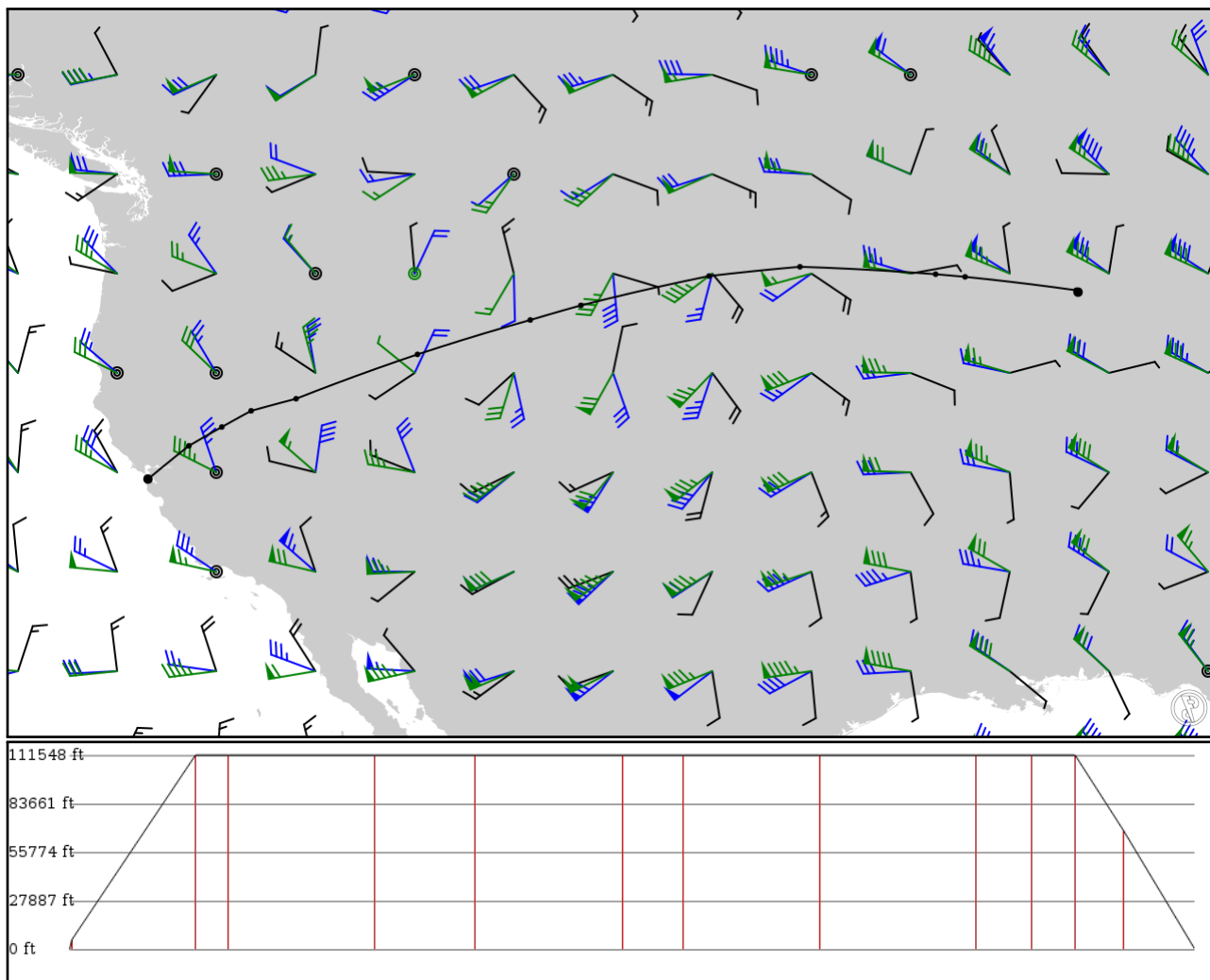
KSFO

San Francisco Intl

2024/05/12 1025Z

KGRB GRB J106 GEP J70 ABR J32 COLOM KSFO

1617.76 nm / 2996.09 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
KGRB APT	-	44.48676 -88.12923	0 ft 0 m	-	Austin Straubel Intl
GRB DME	-	44.55516 -88.19486	1,700 ft 518 m	4	GREEN BAY VORTAC
TWINZ FIX	J106 AWY-HI	45.04880 -92.28934	34,000 ft 10,363 m	176	-
GEP VOR	J106 AWY-HI	45.14569 -93.37319	34,000 ft 10,363 m	46	GOPHER VORTAC
ABR VOR	J70 AWY-HI	45.41736 -98.36872	34,000 ft 10,363 m	211	ABERDEEN VOR-DME
DPR VOR	J32 AWY-HI	45.07817 -101.71508	34,000 ft 10,363 m	142	DUPREE VORTAC
CZI DME	J32 AWY-HI	43.99971 -106.43572	34,000 ft 10,363 m	212	CRAZY WOMAN VOR-DME
BOY DME	J32 AWY-HI	43.46315 -108.29971	34,000 ft 10,363 m	87	BOYSEN RESERVOIR VOR-DME
MLD DME	J32 AWY-HI	42.19990 -112.45124	34,000 ft 10,363 m	197	MALAD CITY VOR-DME
BAM VOR	J32 AWY-HI	40.56908 -116.92225	34,000 ft 10,363 m	223	BATTLE MOUNTAIN VORTAC
LLC VOR	J32 AWY-HI	40.12525 -118.57758	34,000 ft 10,363 m	80	LOVELOCK VORTAC
FMG VOR	J32 AWY-HI	39.53128 -119.65608	34,000 ft 10,363 m	61	MUSTANG VORTAC
COLOM FIX	J32 AWY-HI	38.83897 -120.87002	20,800 ft 6,340 m	70	-
KSFO APT	-	37.61867 -122.37501	0 ft 0 m	102	San Francisco Intl

KGRB

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 2

Elevation: 695 ft / 212 m
Location: 44.484800 -88.129500
Magnetic Var: 4.271 W

METAR

KGRB 120953Z AUTO 18004KT 10SM CLR 08/05 A2982 RMK A02 SLP100 T00780050 \$

TAF

TAF KGRB 120520Z 1206/1306 VRB03KT P6SM FEW120 FM120700 17003KT P6SM BKN100 FM121500 23011G20KT P6SM SCT070 FM122000 18008KT P6SM BKN050

Frequencies

REC - 124.10 MHz - ATIS	COM - 118.70 MHz - CTAF
CLD - 121.75 MHz - CLEARANCE DELIVERY	GND - 121.90 MHz - GREEN BAY GROUND
TWR - 118.70 MHz - GREEN BAY TOWER	APP - 119.40 MHz - GREEN BAY APPROACH
DEP - 126.55 MHz - GREEN BAY DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
18	150 ft	8,708 ft	179.93	CONCRETE	499 ft	0 ft
	46 m	2,654 m	184.20		152 m	0 m
36	150 ft	8,708 ft	359.93	CONCRETE	0 ft	0 ft
	46 m	2,654 m	4.20		0 m	0 m
06	150 ft	7,707 ft	59.83	CONCRETE	0 ft	0 ft
	46 m	2,349 m	64.10		0 m	0 m
24	150 ft	7,707 ft	239.84	CONCRETE	0 ft	0 ft
	46 m	2,349 m	244.12		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	IGRB	109.50 MHz	18 nm	-	-	698 ft
				33 km	-		698 m
06	LOC-ILS	IGRB	109.50 MHz	18 nm	59.84	-	695 ft
				33 km	64.11		695 m
36	LOC-ILS	ISGZ	109.90 MHz	18 nm	359.93	-	695 ft
				33 km	4.20		695 m
06	GS	IGRB	109.50 MHz	10 nm	59.84	3.00	695 ft
				19 km	64.11		695 m
36	GS	ISGZ	109.90 MHz	10 nm	359.93	3.00	695 ft
				19 km	4.20		695 m

KSFO

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 4

Elevation: 13 ft / 4 m
Location: 37.618500 -122.375000
Magnetic Var: 12.843 E

METAR

KSFO 120956Z 29008KT 10SM FEW005 13/11 A2994 RMK AO2 SLP139 T01280106

TAF

TAF AMD KSFO 120839Z 1209/1312 26008KT 6SM BR BKN005 FM121800 28016KT P6SM BKN250 FM130400 27013KT P6SM BKN015 FM131200 28016KT P6SM BKN015

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) (mag)	Surface	Threshold Offset	Overrun 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	285.08		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	285.08		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	194.88		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	194.88		0 m	136 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (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	194.88		13 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
28L	LOC-ILS	ISFO	109.55 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
28R	LOC-ILS	IGWQ	111.70 MHz	18 nm	297.91	-	13 ft
				33 km	285.07		13 m
19L	GS	ISIA	108.90 MHz	10 nm	207.72	3.00	13 ft
				19 km	194.88		13 m
28L	GS	ISFO	109.55 MHz	10 nm	297.91	2.85	13 ft
				19 km	285.07		13 m
28R	GS	IGWQ	111.70 MHz	10 nm	297.91	3.00	13 ft
				19 km	285.07		13 m