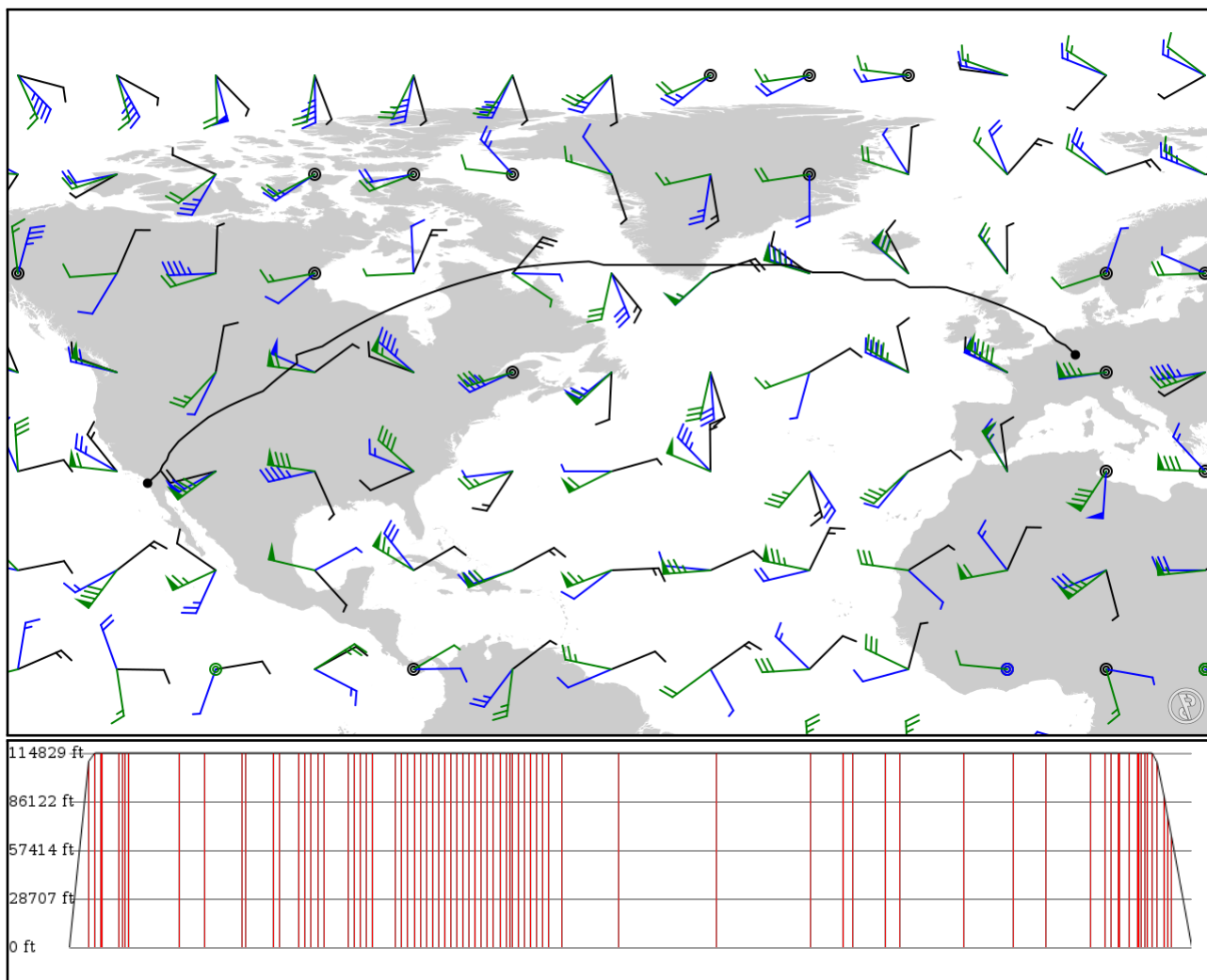


2024/05/12 1244Z

EDFH SOPVI **P57** INKET LARAS **UZ28** SUPUR **P1** ROKAN **N96** NEXUS **UP59** BALIX 5900N01400W 5900N01500W
6000N01700W 6000N01800W 6000N01900W 6000N02000W 6000N02100W 6100N02400W 6100N02500W 6100N02600W
6100N02700W 6100N02800W 6200N03100W 6200N03200W 6200N03300W 6200N03400W 6200N03500W 6200N03600W
6200N03700W 6200N03800W 6200N03900W 6200N04000W 6200N04100W 6200N04200W 6200N04300W 6200N04400W
6200N04500W 6200N04600W 6200N04700W 6200N04800W 6200N04900W EVDIR 6200N05000W 6200N05100W
6200N05200W 6200N05300W 6200N05400W 6200N05500W 6200N05600W KETLA **N880A** FEDDY **SCAI** YRL **V181** YWG
J515 HML **J107** BERYL **V21** MMM **V8** LYNSY **V514** TNP **V208** CLOWD KSAN

5169.96 nm / 9574.76 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
EDFH	-	49.94580	0 ft	-	Frankfurt Hahn
APT	-	7.26108	0 m		
SOPVI	-	51.24970	33,500 ft	93	-
FIX	-	5.90185	10,211 m		
EHN	P57	51.46790	35,000 ft	23	EINDHOVEN
NDB	AWY-LO	5.39486	10,668 m		
INKET	P57	51.81460	35,000 ft	31	-
FIX	AWY-LO	4.77196	10,668 m		
LARAS	-	51.83460	35,000 ft	3	-
FIX	-	4.69733	10,668 m		
SUPUR	UZ28	53.01520	35,000 ft	82	-
FIX	AWY-HI	3.56446	10,668 m		
GODOS	P1	53.24900	35,000 ft	14	-
FIX	AWY-HI	3.42966	10,668 m		
BINBO	P1	53.40170	35,000 ft	9	-
FIX	AWY-HI	3.34139	10,668 m		
ROKAN	P1	53.66330	35,000 ft	16	-
FIX	AWY-HI	3.18889	10,668 m		
NEXUS	N96	56.21190	35,000 ft	231	-
FIX	AWY-HI	-1.84472	10,668 m		
RUGID	UP59	57.36920	35,000 ft	122	-
FIX	AWY-HI	-4.89861	10,668 m		
NINEX	UP59	58.85560	35,000 ft	171	-
FIX	AWY-HI	-9.50000	10,668 m		
BALIX	UP59	59.00000	35,000 ft	17	-
FIX	AWY-HI	-10.00000	10,668 m		
5900N01400W	-	59.00000	35,000 ft	123	-
LATLON	-	-14.00000	10,668 m		
5900N01500W	-	59.00000	35,000 ft	30	-
LATLON	-	-15.00000	10,668 m		
6000N01700W	-	60.00000	35,000 ft	85	-
LATLON	-	-17.00000	10,668 m		
6000N01800W	-	60.00000	35,000 ft	30	-
LATLON	-	-18.00000	10,668 m		
6000N01900W	-	60.00000	35,000 ft	30	-
LATLON	-	-19.00000	10,668 m		
6000N02000W	-	60.00000	35,000 ft	30	-
LATLON	-	-20.00000	10,668 m		
6000N02100W	-	60.00000	35,000 ft	30	-
LATLON	-	-21.00000	10,668 m		
6100N02400W	-	61.00000	35,000 ft	107	-
LATLON	-	-24.00000	10,668 m		
6100N02500W	-	61.00000	35,000 ft	29	-
LATLON	-	-25.00000	10,668 m		
6100N02600W	-	61.00000	35,000 ft	29	-
LATLON	-	-26.00000	10,668 m		
6100N02700W	-	61.00000	35,000 ft	29	-
LATLON	-	-27.00000	10,668 m		
6100N02800W	-	61.00000	35,000 ft	29	-
LATLON	-	-28.00000	10,668 m		
6200N03100W	-	62.00000	35,000 ft	104	-
LATLON	-	-31.00000	10,668 m		
6200N03200W	-	62.00000	35,000 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-32.00000	10,668 m		
6200N03300W	-	62.00000	35,000 ft	28	-
LATLON	-	-33.00000	10,668 m		
6200N03400W	-	62.00000	35,000 ft	28	-
LATLON	-	-34.00000	10,668 m		
6200N03500W	-	62.00000	35,000 ft	28	-
LATLON	-	-35.00000	10,668 m		
6200N03600W	-	62.00000	35,000 ft	28	-
LATLON	-	-36.00000	10,668 m		
6200N03700W	-	62.00000	35,000 ft	28	-
LATLON	-	-37.00000	10,668 m		
6200N03800W	-	62.00000	35,000 ft	28	-
LATLON	-	-38.00000	10,668 m		
6200N03900W	-	62.00000	35,000 ft	28	-
LATLON	-	-39.00000	10,668 m		
6200N04000W	-	62.00000	35,000 ft	28	-
LATLON	-	-40.00000	10,668 m		
6200N04100W	-	62.00000	35,000 ft	28	-
LATLON	-	-41.00000	10,668 m		
6200N04200W	-	62.00000	35,000 ft	28	-
LATLON	-	-42.00000	10,668 m		
6200N04300W	-	62.00000	35,000 ft	28	-
LATLON	-	-43.00000	10,668 m		
6200N04400W	-	62.00000	35,000 ft	28	-
LATLON	-	-44.00000	10,668 m		
6200N04500W	-	62.00000	35,000 ft	28	-
LATLON	-	-45.00000	10,668 m		
6200N04600W	-	62.00000	35,000 ft	28	-
LATLON	-	-46.00000	10,668 m		
6200N04700W	-	62.00000	35,000 ft	28	-
LATLON	-	-47.00000	10,668 m		
6200N04800W	-	62.00000	35,000 ft	28	-
LATLON	-	-48.00000	10,668 m		
6200N04900W	-	62.00000	35,000 ft	28	-
LATLON	-	-49.00000	10,668 m		
EVDIR	-	61.99580	35,000 ft	18	-
FIX	-	-49.64780	10,668 m		
6200N05000W	-	62.00000	35,000 ft	9	-
LATLON	-	-50.00000	10,668 m		
6200N05100W	-	62.00000	35,000 ft	28	-
LATLON	-	-51.00000	10,668 m		
6200N05200W	-	62.00000	35,000 ft	28	-
LATLON	-	-52.00000	10,668 m		
6200N05300W	-	62.00000	35,000 ft	28	-
LATLON	-	-53.00000	10,668 m		
6200N05400W	-	62.00000	35,000 ft	28	-
LATLON	-	-54.00000	10,668 m		
6200N05500W	-	62.00000	35,000 ft	28	-
LATLON	-	-55.00000	10,668 m		
6200N05600W	-	62.00000	35,000 ft	28	-
LATLON	-	-56.00000	10,668 m		
KETLA	-	62.46670	35,000 ft	62	-
FIX	-	-58.00000	10,668 m		
FEDDY	N880A	61.70000	35,000 ft	256	-
FIX	AWY-HI	-67.00000	10,668 m		
IRLAV	SCAI	57.97420	35,000 ft	450	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-80.00000	10,668 m		
LITRO	SCAI	53.36280	35,000 ft	436	-
FIX	AWY-HI	-90.00000	10,668 m		
FERNO	SCAI	51.64750	35,000 ft	147	-
FIX	AWY-HI	-92.87250	10,668 m		
YRL	SCAI	51.07160	35,000 ft	48	RED LAKE
VOR	AWY-HI	-93.76200	10,668 m		
YWG	V181	49.92780	35,000 ft	149	WINNIPEG
VOR	AWY-LO	-97.23920	10,668 m		
HML	J515	48.86920	35,000 ft	63	HUMBOLDT
VOR	AWY-HI	-97.11710	10,668 m		
DPR	J107	45.07820	35,000 ft	295	DUPREE
VOR	AWY-HI	-101.71500	10,668 m		
DDY	J107	43.09090	35,000 ft	230	MUDDY MOUNTAIN (CASPER)
VOR	AWY-HI	-106.27700	10,668 m		
OCS	J107	41.59020	35,000 ft	151	ROCK SPRINGS
VOR	AWY-HI	-109.01500	10,668 m		
URNW	J107	39.13420	35,000 ft	204	-
FIX	AWY-HI	-112.10400	10,668 m		
MLF	J107	38.36040	35,000 ft	63	MILFORD
VOR	AWY-HI	-113.01300	10,668 m		
BERYL	J107	37.90000	35,000 ft	32	-
FIX	AWY-HI	-113.38600	10,668 m		
URIAH	V21	37.50280	35,000 ft	28	-
FIX	AWY-LO	-113.70300	10,668 m		
HUNKU	V21	37.36500	35,000 ft	9	-
FIX	AWY-LO	-113.81200	10,668 m		
MMM	V21	36.76930	35,000 ft	42	MORMON MESA
VOR	AWY-LO	-114.27700	10,668 m		
MEADS	V8	36.16370	35,000 ft	37	-
FIX	AWY-LO	-114.49200	10,668 m		
ACLAM	V8	36.07510	35,000 ft	5	-
FIX	AWY-LO	-114.52300	10,668 m		
WINDS	V8	35.85650	35,000 ft	13	-
FIX	AWY-LO	-114.59900	10,668 m		
LYNSY	V8	35.66050	35,000 ft	14	-
FIX	AWY-LO	-114.75600	10,668 m		
SHUSS	V514	35.49550	35,000 ft	11	-
FIX	AWY-LO	-114.88800	10,668 m		
GFS	V514	35.13110	35,000 ft	26	GOFFS
VOR	AWY-LO	-115.17600	10,668 m		
ZELMA	V514	34.78330	33,400 ft	22	-
FIX	AWY-LO	-115.33000	10,180 m		
JOTNU	V514	34.32590	27,100 ft	29	-
FIX	AWY-LO	-115.53000	8,260 m		
TNP	V514	34.11220	23,400 ft	17	TWENTYNINE PALMS
VOR	AWY-LO	-115.77000	7,132 m		
CLOWD	V208	33.90280	20,100 ft	15	-
FIX	AWY-LO	-115.93900	6,126 m		
KSAN	-	32.73360	0 ft	94	San Diego Intl
APT	-	-117.19000	0 m		

EDFH

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 1

Elevation: 1,647 ft / 502 m
Location: 49.945800 7.261080
Magnetic Var: 2.821 E

METAR

EDFH 121220Z 14013KT CAVOK 21/09 Q1017

TAF

TAF EDFH 121100Z 1212/1312 13013KT CAVOK BECMG 1217/1219 14008KT TEMPO 1309/1312 SHRA BKN014 SCT045CB PROB30 TEMP

Frequencies

REC - 136.35 MHz - HAHN ATIS
GND - 121.97 MHz - HAHN GROUND
APP - 125.60 MHz - LANGEN RADAR

COM - 123.65 MHz - HAHN UNICOM
TWR - 119.65 MHz - HAHN TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	148 ft	12,457 ft	32.37	ASPHALT	3,461 ft	184 ft
	45 m	3,797 m	29.55		1,055 m	56 m
21	148 ft	12,457 ft	212.39	ASPHALT	984 ft	0 ft
	45 m	3,797 m	209.57		300 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03	LOC-ILS	IHAE	109.30 MHz	18 nm	32.39	-	1,647 ft
				33 km	29.57		1,647 m
21	LOC-ILS	IHAW	111.30 MHz	18 nm	212.39	-	1,647 ft
				33 km	209.57		1,647 m
03	GS	IHAE	109.30 MHz	10 nm	32.39	3.00	1,647 ft
				19 km	29.57		1,647 m
21	GS	IHAW	111.30 MHz	10 nm	212.39	3.00	1,647 ft
				19 km	209.57		1,647 m

KSAN

Region: UNITED STATES
Timezone: AMERICA/LOS_ANGELES
Runways: 1

Elevation: 17 ft / 5 m
Location: 32.733600 -117.190000
Magnetic Var: 10.969 E

METAR

KSAN 121151Z 27003KT 10SM OVC010 16/12 A2996 RMK A02 SLP146 T01560117 10161 20150 53001 \$

TAF

TAF KSAN 121120Z 1212/1318 VRB04KT P6SM OVC010 TEMPO 1212/1215 OVC008 FM121500 VRB04KT P6SM BKN010 FM121800 27009

Frequencies

REC - 134.80 MHz - LINDBERGH ATIS	CLD - 125.90 MHz - LINDBERGH CLEARANCE
GND - 123.90 MHz - LINDBERGH GROUND	TWR - 118.30 MHz - LINDBERGH TOWER
DEP - 119.60 MHz - SOCAL WEST DEPARTURE	DEP - 124.35 MHz - SOCAL EAST DEPARTURE
APP - 119.60 MHz - SOCAL WEST APPROACH	APP - 124.35 MHz - SOCAL EAST APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	200 ft	9,388 ft	106.13	ASPHALT	1,004 ft	390 ft
	61 m	2,861 m	95.16		306 m	119 m
27	200 ft	9,388 ft	286.15	ASPHALT	1,811 ft	0 ft
	61 m	2,861 m	275.18		552 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09	DME	ISAN	111.55 MHz	18 nm	-	-	29 ft
				33 km	-		29 m
27	DME	IUBR	110.90 MHz	18 nm	-	-	26 ft
				33 km	-		26 m
09	LOC-ILS	ISAN	111.55 MHz	18 nm	106.14	-	17 ft
				33 km	95.17		17 m
27	LOC-LOC	IUBR	110.90 MHz	18 nm	286.14	-	17 ft
				33 km	275.17		17 m
09	GS	ISAN	111.55 MHz	10 nm	106.14	3.10	17 ft
				19 km	95.17		17 m