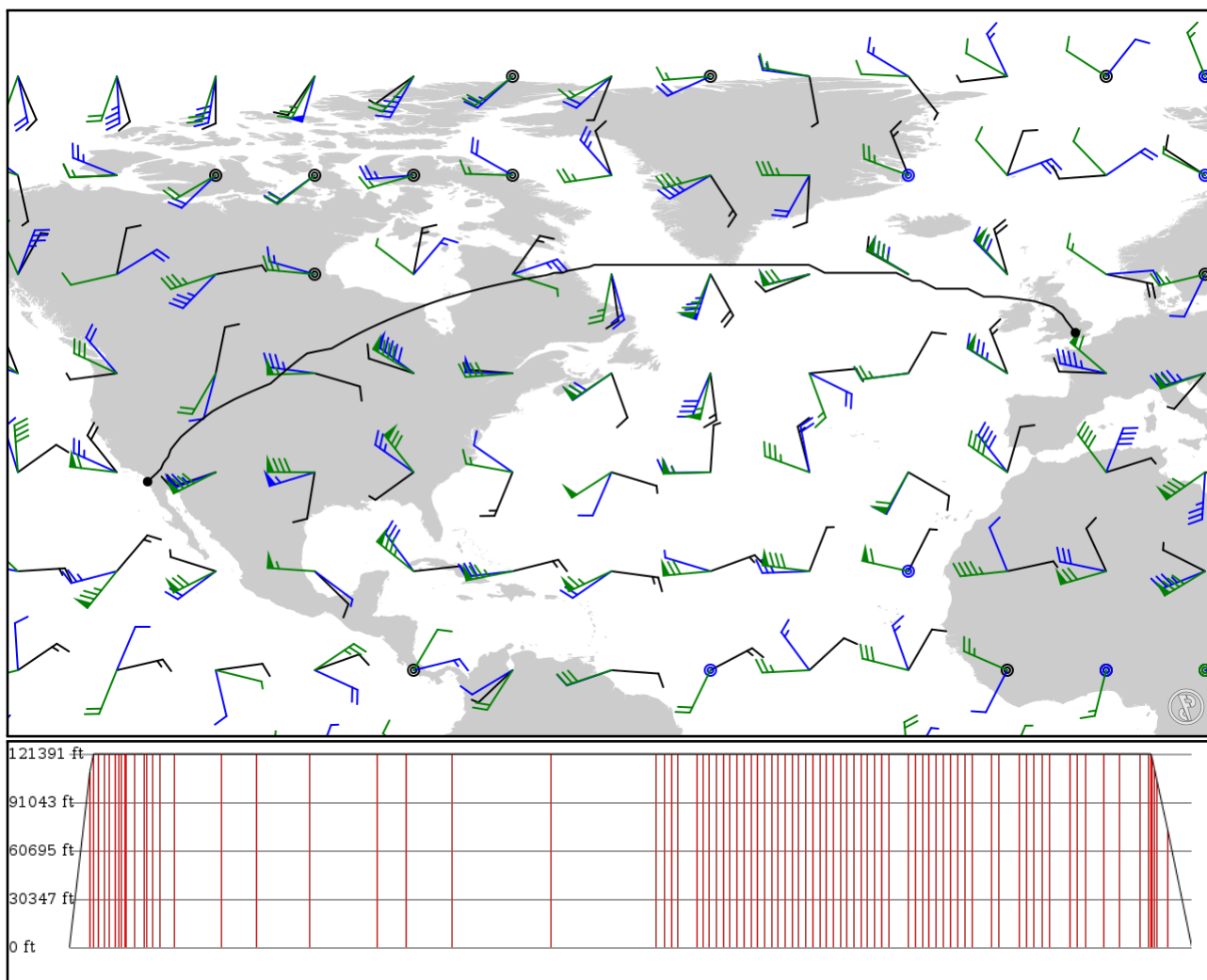


2024/05/11 0435Z

KSAN CLOUD **V208** TNP **V514** LYSY **V8** MMM **V21** BERYL **J107** VBI **SCAK** FASSA 5900N06600W 5900N06500W LOPVI
PEPKI 6000N06100W 6000N06000W 6000N05900W 6000N05800W 6000N05700W 6000N05600W 6000N05500W
6000N05400W 6000N05300W 6000N05200W 6000N05100W 6000N05000W 6000N04900W 6000N04800W 6000N04700W
6000N04600W 6000N04500W 6000N04400W 6000N04300W 6000N04200W 6000N04100W 6000N04000W 6000N03900W
6000N03800W 6000N03700W 6000N03600W 6000N03500W 6000N03400W 5900N03200W 5900N03100W 5900N03000W
5900N02900W 5900N02800W 5900N02700W 5900N02600W 5900N02500W 5900N02400W 5900N02300W 5800N02100W
5800N02000W 5700N01800W 5700N01700W 5700N01600W 5700N01500W 5700N01400W 5600N01200W 5600N01100W
MIMKU **N562** MAC **UN57** TNT EGLL
4898.22 nm / 9071.50 km



Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 37000ft
- 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
KSAN APT	-	32.73360 -117.19000	0 ft 0 m	-	San Diego Intl
CLOWD FIX	-	33.90280 -115.93900	33,600 ft 10,241 m	94	-
TNP VOR	V208 AWY-LO	34.11220 -115.77000	37,000 ft 11,278 m	15	TWENTYNINE PALMS
JOTNU FIX	V514 AWY-LO	34.32590 -115.53000	37,000 ft 11,278 m	17	-
ZELMA FIX	V514 AWY-LO	34.78330 -115.33000	37,000 ft 11,278 m	29	-
GFS VOR	V514 AWY-LO	35.13110 -115.17600	37,000 ft 11,278 m	22	GOFFS
SHUSS FIX	V514 AWY-LO	35.49550 -114.88800	37,000 ft 11,278 m	26	-
LYNSY FIX	V514 AWY-LO	35.66050 -114.75600	37,000 ft 11,278 m	11	-
WINDS FIX	V8 AWY-LO	35.85650 -114.59900	37,000 ft 11,278 m	14	-
ACLAM FIX	V8 AWY-LO	36.07510 -114.52300	37,000 ft 11,278 m	13	-
MEADS FIX	V8 AWY-LO	36.16370 -114.49200	37,000 ft 11,278 m	5	-
MMM VOR	V8 AWY-LO	36.76930 -114.27700	37,000 ft 11,278 m	37	MORMON MESA
HUNKU FIX	V21 AWY-LO	37.36500 -113.81200	37,000 ft 11,278 m	42	-
URIAH FIX	V21 AWY-LO	37.50280 -113.70300	37,000 ft 11,278 m	9	-
BERYL FIX	V21 AWY-LO	37.90000 -113.38600	37,000 ft 11,278 m	28	-
MLF VOR	J107 AWY-HI	38.36040 -113.01300	37,000 ft 11,278 m	32	MILFORD
URNUW FIX	J107 AWY-HI	39.13420 -112.10400	37,000 ft 11,278 m	63	-
OCS VOR	J107 AWY-HI	41.59020 -109.01500	37,000 ft 11,278 m	204	ROCK SPRINGS
DDY VOR	J107 AWY-HI	43.09090 -106.27700	37,000 ft 11,278 m	151	MUDDY MOUNTAIN (CASPER)
DPR VOR	J107 AWY-HI	45.07820 -101.71500	37,000 ft 11,278 m	230	DUPREE
HML VOR	J107 AWY-HI	48.86920 -97.11710	37,000 ft 11,278 m	295	HUMBOLDT
VBI VOR	J107 AWY-HI	49.47690 -94.04670	37,000 ft 11,278 m	125	SIOUX NARROWS
VIPGA FIX	SCAK AWY-HI	51.67360 -90.00000	37,000 ft 11,278 m	202	-
GRAND FIX	SCAK AWY-HI	55.70330 -80.00000	37,000 ft 11,278 m	429	-
FASSA FIX	SCAK AWY-HI	58.70000 -67.00000	37,000 ft 11,278 m	458	-
5900N06600W LATLON	-	59.00000 -66.00000	37,000 ft 11,278 m	35	-
5900N06500W	-	59.00000	37,000 ft	30	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-65.00000	11,278 m		
LOPVI	-	59.26670	37,000 ft	28	-
FIX	-	-64.25000	11,278 m		
PEPKI	-	59.73330	37,000 ft	85	-
FIX	-	-61.61670	11,278 m		
6000N06100W	-	60.00000	37,000 ft	24	-
LATLON	-	-61.00000	11,278 m		
6000N06000W	-	60.00000	37,000 ft	30	-
LATLON	-	-60.00000	11,278 m		
6000N05900W	-	60.00000	37,000 ft	30	-
LATLON	-	-59.00000	11,278 m		
6000N05800W	-	60.00000	37,000 ft	30	-
LATLON	-	-58.00000	11,278 m		
6000N05700W	-	60.00000	37,000 ft	30	-
LATLON	-	-57.00000	11,278 m		
6000N05600W	-	60.00000	37,000 ft	30	-
LATLON	-	-56.00000	11,278 m		
6000N05500W	-	60.00000	37,000 ft	30	-
LATLON	-	-55.00000	11,278 m		
6000N05400W	-	60.00000	37,000 ft	30	-
LATLON	-	-54.00000	11,278 m		
6000N05300W	-	60.00000	37,000 ft	30	-
LATLON	-	-53.00000	11,278 m		
6000N05200W	-	60.00000	37,000 ft	30	-
LATLON	-	-52.00000	11,278 m		
6000N05100W	-	60.00000	37,000 ft	30	-
LATLON	-	-51.00000	11,278 m		
6000N05000W	-	60.00000	37,000 ft	30	-
LATLON	-	-50.00000	11,278 m		
6000N04900W	-	60.00000	37,000 ft	30	-
LATLON	-	-49.00000	11,278 m		
6000N04800W	-	60.00000	37,000 ft	30	-
LATLON	-	-48.00000	11,278 m		
6000N04700W	-	60.00000	37,000 ft	30	-
LATLON	-	-47.00000	11,278 m		
6000N04600W	-	60.00000	37,000 ft	30	-
LATLON	-	-46.00000	11,278 m		
6000N04500W	-	60.00000	37,000 ft	30	-
LATLON	-	-45.00000	11,278 m		
6000N04400W	-	60.00000	37,000 ft	30	-
LATLON	-	-44.00000	11,278 m		
6000N04300W	-	60.00000	37,000 ft	30	-
LATLON	-	-43.00000	11,278 m		
6000N04200W	-	60.00000	37,000 ft	30	-
LATLON	-	-42.00000	11,278 m		
6000N04100W	-	60.00000	37,000 ft	30	-
LATLON	-	-41.00000	11,278 m		
6000N04000W	-	60.00000	37,000 ft	30	-
LATLON	-	-40.00000	11,278 m		
6000N03900W	-	60.00000	37,000 ft	30	-
LATLON	-	-39.00000	11,278 m		
6000N03800W	-	60.00000	37,000 ft	30	-
LATLON	-	-38.00000	11,278 m		
6000N03700W	-	60.00000	37,000 ft	30	-
LATLON	-	-37.00000	11,278 m		
6000N03600W	-	60.00000	37,000 ft	30	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-36.00000	11,278 m		
6000N03500W	-	60.00000	37,000 ft	30	-
LATLON	-	-35.00000	11,278 m		
6000N03400W	-	60.00000	37,000 ft	30	-
LATLON	-	-34.00000	11,278 m		
5900N03200W	-	59.00000	37,000 ft	85	-
LATLON	-	-32.00000	11,278 m		
5900N03100W	-	59.00000	37,000 ft	30	-
LATLON	-	-31.00000	11,278 m		
5900N03000W	-	59.00000	37,000 ft	30	-
LATLON	-	-30.00000	11,278 m		
5900N02900W	-	59.00000	37,000 ft	30	-
LATLON	-	-29.00000	11,278 m		
5900N02800W	-	59.00000	37,000 ft	30	-
LATLON	-	-28.00000	11,278 m		
5900N02700W	-	59.00000	37,000 ft	30	-
LATLON	-	-27.00000	11,278 m		
5900N02600W	-	59.00000	37,000 ft	30	-
LATLON	-	-26.00000	11,278 m		
5900N02500W	-	59.00000	37,000 ft	30	-
LATLON	-	-25.00000	11,278 m		
5900N02400W	-	59.00000	37,000 ft	30	-
LATLON	-	-24.00000	11,278 m		
5900N02300W	-	59.00000	37,000 ft	30	-
LATLON	-	-23.00000	11,278 m		
5800N02100W	-	58.00000	37,000 ft	86	-
LATLON	-	-21.00000	11,278 m		
5800N02000W	-	58.00000	37,000 ft	31	-
LATLON	-	-20.00000	11,278 m		
5700N01800W	-	57.00000	37,000 ft	88	-
LATLON	-	-18.00000	11,278 m		
5700N01700W	-	57.00000	37,000 ft	32	-
LATLON	-	-17.00000	11,278 m		
5700N01600W	-	57.00000	37,000 ft	32	-
LATLON	-	-16.00000	11,278 m		
5700N01500W	-	57.00000	37,000 ft	32	-
LATLON	-	-15.00000	11,278 m		
5700N01400W	-	57.00000	37,000 ft	32	-
LATLON	-	-14.00000	11,278 m		
5600N01200W	-	56.00000	37,000 ft	89	-
LATLON	-	-12.00000	11,278 m		
5600N01100W	-	56.00000	37,000 ft	33	-
LATLON	-	-11.00000	11,278 m		
MIMKU	-	56.00000	37,000 ft	33	-
FIX	-	-10.00000	11,278 m		
DONIB	N562	55.71920	37,000 ft	79	-
FIX	AWY-HI	-7.69556	11,278 m		
MAC	N562	55.43000	37,000 ft	71	MACHRIHANISH
VOR	AWY-HI	-5.65041	11,278 m		
DCS	UN57	54.72190	37,000 ft	90	DEAN CROSS VOR-DME
DME	AWY-HI	-3.34056	11,278 m		
IPNOX	UN57	54.22780	37,000 ft	37	-
FIX	AWY-HI	-2.70611	11,278 m		
OLPOP	UN57	54.09220	37,000 ft	10	-
FIX	AWY-HI	-2.53556	11,278 m		
SETEL	UN57	54.01250	36,200 ft	5	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-2.43583	11,034 m		
BAMEP	UN57	53.87830	34,100 ft	9	-
FIX	AWY-HI	-2.26917	10,394 m		
POL	UN57	53.74380	31,900 ft	9	POLE HILL
VOR	AWY-HI	-2.10333	9,723 m		
TNT	UN57	53.05400	22,400 ft	44	TRENT
VOR	AWY-HI	-1.66997	6,828 m		
EGLL	-	51.47120	0 ft	104	London Heathrow
APT	-	-0.46088	0 m		

KSAN

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

Elevation: 17 ft / 5 m
Location: 32.733600 -117.190000
Magnetic Var: 10.970 E

METAR

KSAN 110351Z 31005KT 10SM OVC021 17/12 A2996 RMK A02 SLP146 T01670122 \$

TAF

TAF AMD KSAN 110247Z 1103/1206 29008KT P6SM OVC015 FM111900 29011KT P6SM SCT025 FM120300 VRB04KT P6SM BKN019

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

EGLL

Region: UNITED KINGDOM
Timezone: EUROPE/LONDON
Runways: 2

Elevation: 83 ft / 25 m
Location: 51.471200 -0.460881
Magnetic Var: 0.378 E

METAR

EGLL 110350Z AUTO 06003KT 9999 NCD 11/08 Q1022 NOSIG

TAF

TAF EGLL 102256Z 1100/1206 08007KT 9999 FEW045 TEMPO 1102/1108 7000 PROB30 TEMPO 1104/1107 4000 BR BKN004

Frequencies

REC - 128.07 MHz - HEATHROW INFORMATION	REC - 121.92 MHz - HEATHROW INFORMATION
CLD - 121.97 MHz - HEATHROW DELIVERY	GND - 121.70 MHz - HEATHROW GROUND
GND - 121.85 MHz - HEATHROW GROUND	GND - 121.90 MHz - HEATHROW GROUND
TWR - 118.50 MHz - HEATHROW TOWER	TWR - 118.70 MHz - HEATHROW TOWER
TWR - 124.47 MHz - HEATHROW TOWER	APP - 119.72 MHz - HEATHROW DIRECTOR
APP - 120.40 MHz - HEATHROW DIRECTOR	APP - 134.97 MHz - HEATHROW DIRECTOR
APP - 125.62 MHz - HEATHROW RADAR	APP - 127.52 MHz - HEATHROW RADAR
DEP - 120.52 MHz - HEATHROW DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	164 ft	12,770 ft	89.66	ASPHALT	1,007 ft	0 ft
	50 m	3,892 m	89.28		307 m	0 m
27R	164 ft	12,770 ft	269.70	ASPHALT	0 ft	177 ft
	50 m	3,892 m	269.33		0 m	54 m
09R	164 ft	11,975 ft	89.68	ASPHALT	1,004 ft	0 ft
	50 m	3,650 m	89.30		306 m	0 m
27L	164 ft	11,975 ft	269.72	ASPHALT	0 ft	95 ft
	50 m	3,650 m	269.34		0 m	29 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IAA	110.30 MHz	18 nm	-	-	89 ft
				33 km	-		89 m
09R	DME	IBB	109.50 MHz	18 nm	-	-	84 ft
				33 km	-		84 m
27L	DME	ILL	109.50 MHz	18 nm	-	-	84 ft
				33 km	-		84 m
27R	DME	IRR	110.30 MHz	18 nm	-	-	89 ft
				33 km	-		89 m
09L	LOC-ILS	IAA	110.30 MHz	18 nm	89.68	-	83 ft
				33 km	89.30		83 m
09R	LOC-ILS	IBB	109.50 MHz	18 nm	89.70	-	83 ft
				33 km	89.32		83 m
27L	LOC-ILS	ILL	109.50 MHz	18 nm	269.70	-	83 ft
				33 km	269.32		83 m
27R	LOC-ILS	IRR	110.30 MHz	18 nm	269.68	-	83 ft
				33 km	269.30		83 m
09L	GS	IAA	110.30 MHz	10 nm	89.68	3.00	83 ft
				19 km	89.30		83 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09R	GS	IBB	109.50 MHz	10 nm	89.70	3.00	83 ft
				19 km	89.32		83 m
27L	GS	ILL	109.50 MHz	10 nm	269.70	3.00	83 ft
				19 km	269.32		83 m
27R	GS	IRR	110.30 MHz	10 nm	269.68	3.00	83 ft
				19 km	269.30		83 m