

# ESSA

Stockholm Arlanda

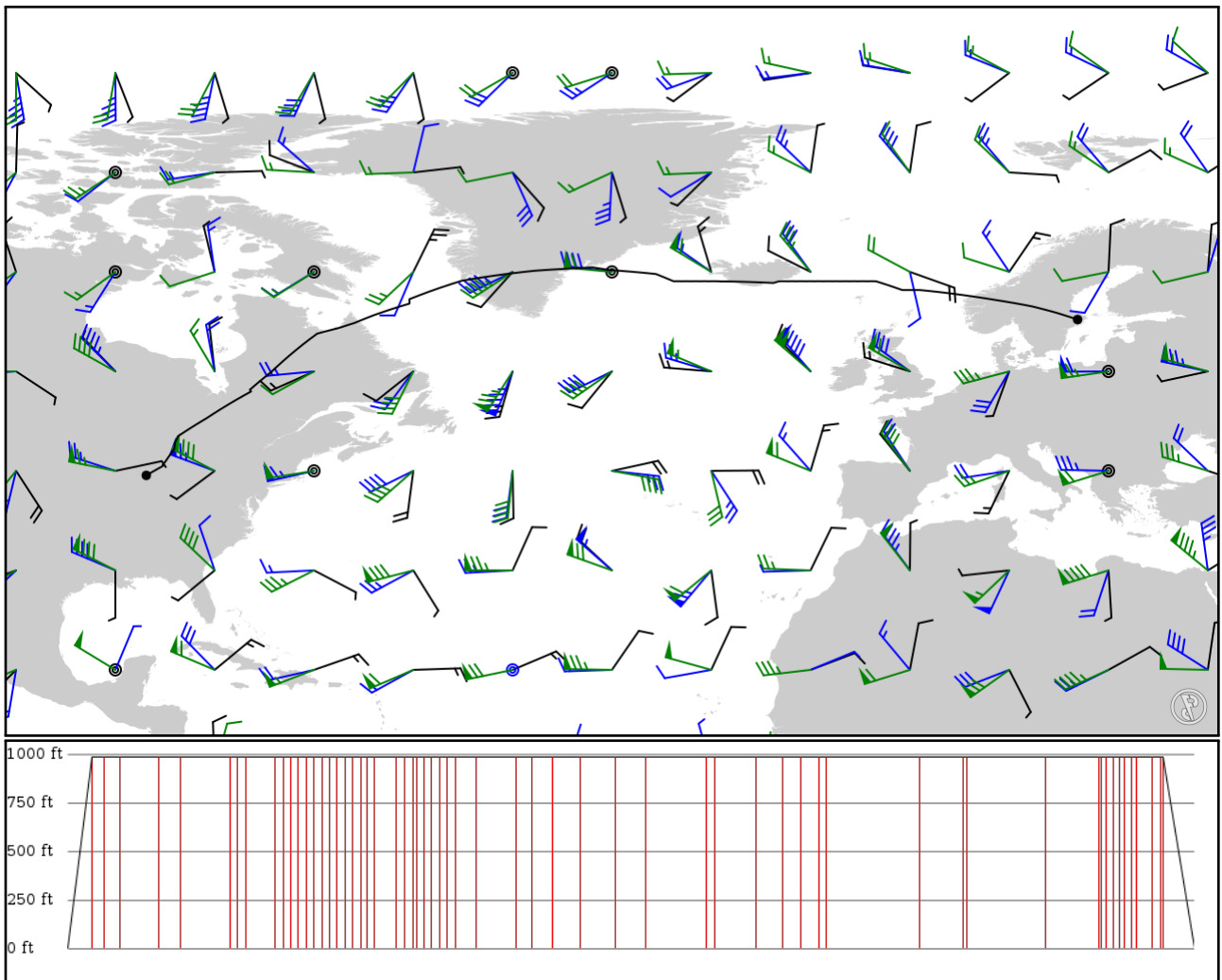
# KORD

Chicago O'Hare International

2024/05/16 0237Z

ESSA BOR **M996** ISVIG 6300N0100W 6300N0200W 6400N0500W 6400N0600W 6400N0700W 6400N0800W 6400N0900W  
6400N0100W 6400N0110W 6400N0120W 6400N0130W 6400N0140W 6400N0150W 6400N0160W ING **G3** KVV  
6400N0230W 6400N0240W 6400N0250W 6400N0260W 6400N0270W 6400N0280W SOSIT **UT593** DA **W47** KU  
LIBOR MAXAR **N860A** MUSLO **N850A** LOPVI YLU **AR39** VP **AR13** YFM **BR18** K8 VANSI **N760A** SSM **V193** PLN **V233**  
GLR **V215** MKG **V55** SINNI KORD

3828.50 nm / 7090.39 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 370ft
- 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
ESSA APT	-	59.65190 17.91860	0 ft 0 m	-	Stockholm Arlanda
BOR VOR	-	60.42150 15.51920	300 ft 91 m	85	BORLANGE
GEVRU FIX	M996 AWY-HI	60.74280 14.32980	300 ft 91 m	40	-
SUVAR FIX	M996 AWY-HI	61.15140 12.71940	300 ft 91 m	52	-
KEMIV FIX	M996 AWY-HI	61.89930 8.43191	300 ft 91 m	130	-
UVTIL FIX	M996 AWY-HI	62.29300 5.89710	300 ft 91 m	75	-
ISVIG FIX	M996 AWY-HI	63.00000 0.00000	300 ft 91 m	168	-
6300N0100W LATLON	-	63.00000 -1.00000	300 ft 91 m	27	-
6300N0200W LATLON	-	63.00000 -2.00000	300 ft 91 m	27	-
6400N0500W LATLON	-	64.00000 -5.00000	300 ft 91 m	100	-
6400N0600W LATLON	-	64.00000 -6.00000	300 ft 91 m	26	-
6400N0700W LATLON	-	64.00000 -7.00000	300 ft 91 m	26	-
6400N0800W LATLON	-	64.00000 -8.00000	300 ft 91 m	26	-
6400N0900W LATLON	-	64.00000 -9.00000	300 ft 91 m	26	-
6400N01000W LATLON	-	64.00000 -10.00000	300 ft 91 m	26	-
6400N01100W LATLON	-	64.00000 -11.00000	300 ft 91 m	26	-
6400N01200W LATLON	-	64.00000 -12.00000	300 ft 91 m	26	-
6400N01300W LATLON	-	64.00000 -13.00000	300 ft 91 m	26	-
6400N01400W LATLON	-	64.00000 -14.00000	300 ft 91 m	26	-
6400N01500W LATLON	-	64.00000 -15.00000	300 ft 91 m	26	-
6400N01600W LATLON	-	64.00000 -16.00000	300 ft 91 m	26	-
ING VOR	-	63.80310 -16.63810	300 ft 91 m	20	INGO
MIKLA FIX	G3 AWY-HI	63.84830 -17.57420	300 ft 91 m	24	-
NASBU FIX	G3 AWY-HI	63.94670 -20.34820	300 ft 91 m	73	-
METIL FIX	G3 AWY-HI	63.97190 -21.52610	300 ft 91 m	31	-
KFV VOR	G3 AWY-HI	63.98290 -22.61510	300 ft 91 m	28	KEFLAVIK
6400N02300W	-	64.00000	300 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-23.00000	91 m		
6400N02400W	-	64.00000	300 ft	26	-
LATLON	-	-24.00000	91 m		
6400N02500W	-	64.00000	300 ft	26	-
LATLON	-	-25.00000	91 m		
6400N02600W	-	64.00000	300 ft	26	-
LATLON	-	-26.00000	91 m		
6400N02700W	-	64.00000	300 ft	26	-
LATLON	-	-27.00000	91 m		
6400N02800W	-	64.00000	300 ft	26	-
LATLON	-	-28.00000	91 m		
SOSIT	-	64.81670	300 ft	71	-
FIX	-	-30.00000	91 m		
SABAG	UT593	65.26670	300 ft	136	-
FIX	AWY-HI	-35.28330	91 m		
DA	UT593	65.57010	300 ft	51	KULUSUK
NDB	AWY-HI	-37.20710	91 m		
ASTAN	W47	65.41780	300 ft	70	-
FIX	AWY-LO	-39.99560	91 m		
SOBVI	W47	65.18190	300 ft	97	-
FIX	AWY-LO	-43.82890	91 m		
ASVID	W47	64.63030	300 ft	120	-
FIX	AWY-LO	-48.37890	91 m		
KU	W47	64.07000	300 ft	100	KOOK ISLANDS
NDB	AWY-LO	-52.01310	91 m		
LIBOR	-	61.96670	300 ft	206	-
FIX	-	-58.00000	91 m		
MAXAR	-	61.46670	300 ft	30	-
FIX	-	-58.00000	91 m		
MUSLO	N860A	60.16670	300 ft	140	-
FIX	AWY-HI	-62.00000	91 m		
LOPVI	N850A	59.26670	300 ft	86	-
FIX	AWY-HI	-64.25000	91 m		
YLU	-	58.70730	300 ft	63	KANGIQSUALUJJUAQ
NDB	-	-65.98970	91 m		
IKNAL	AR39	58.26420	300 ft	60	-
FIX	AWY-LO	-67.71820	91 m		
VP	AR39	58.05610	300 ft	27	KUJACK (KUJJUAQ)
NDB	AWY-LO	-68.48640	91 m		
YFM	AR13	53.71130	300 ft	314	LA GRANDE-4
NDB	AWY-LO	-73.70300	91 m		
K8	BR18	51.68900	300 ft	150	NEMISCAU
NDB	AWY-LO	-76.13430	91 m		
VANSI	-	51.49190	300 ft	12	-
FIX	-	-76.00000	91 m		
STAFE	N760A	48.45000	300 ft	267	-
FIX	AWY-HI	-81.07280	91 m		
SSM	N760A	46.41210	300 ft	179	SAULT STE MARIE
VOR	AWY-HI	-84.31490	91 m		
SIGOE	V193	46.25310	300 ft	10	-
FIX	AWY-LO	-84.38680	91 m		
PINES	V193	46.03040	300 ft	14	-
FIX	AWY-LO	-84.48670	91 m		
PLN	V193	45.63060	300 ft	25	PELLSTON
VOR	AWY-LO	-84.66410	91 m		
DRIPE	V233	45.30550	300 ft	19	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-84.68520	91 m		
WOMOP	V233	45.24780	300 ft	3	-
FIX	AWY-LO	-84.68910	91 m		
GLR	V233	45.01250	300 ft	14	GAYLORD
VOR	AWY-LO	-84.70430	91 m		
CARGA	V215	44.64120	300 ft	25	-
FIX	AWY-LO	-84.97090	91 m		
LADIN	V215	44.37370	300 ft	18	-
FIX	AWY-LO	-85.16070	91 m		
HIC	V215	43.57490	300 ft	53	WHITE CLOUD
VOR	AWY-LO	-85.71620	91 m		
MKG	V215	43.16930	300 ft	28	MUSKEGON
VOR	AWY-LO	-86.03940	91 m		
SINNI	V55	43.02750	300 ft	8	-
FIX	AWY-LO	-86.05270	91 m		
KORD	-	41.97340	0 ft	103	Chicago O'Hare International
APT	-	-87.90660	0 m		

## ESSA

Region: SWEDEN  
Timezone: EUROPE/STOCKHOLM  
Runways: 3

Elevation: 138 ft / 42 m  
Location: 59.651900 17.918600  
Magnetic Var: 7.124 E

## METAR

ESSA 160220Z 23004KT CAVOK 09/05 Q1022 NOSIG

## TAF

TAF ESSA 160230Z 1603/1703 20004KT CAVOK

## Frequencies

REC - 119.00 MHz - ATIS	REC - 121.62 MHz - ATIS
APP - 123.75 MHz - STOCKHOLM CONTROL APPROACH	APP - 120.15 MHz - STOCKHOLM CONTROL APPROACH
APP - 126.65 MHz - STOCKHOLM CONTROL APPROACH	DEP - 123.75 MHz - STOCKHOLM CONTROL DEPARTURE
DEP - 120.15 MHz - STOCKHOLM CONTROL DEPARTURE	DEP - 126.65 MHz - STOCKHOLM CONTROL DEPARTURE
TWR - 118.50 MHz - ARLANDA TOWER	TWR - 125.12 MHz - ARLANDA TOWER
TWR - 128.72 MHz - ARLANDA TOWER	TWR - 123.10 MHz - ARLANDA TOWER
GND - 121.70 MHz - ARLANDA GROUND	GND - 121.97 MHz - ARLANDA GROUND
GND - 121.92 MHz - ARLANDA GROUND	CLD - 121.82 MHz - CLEARANCE DELIVERY

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	148 ft	10,817 ft	10.38	ASPHALT	0 ft	154 ft
	45 m	3,297 m	3.25		0 m	47 m
19R	148 ft	10,817 ft	190.38	ASPHALT	0 ft	164 ft
	45 m	3,297 m	183.26		0 m	50 m
01R	148 ft	8,151 ft	10.38	ASPHALT	0 ft	223 ft
	45 m	2,484 m	3.25		0 m	68 m
19L	148 ft	8,151 ft	190.38	ASPHALT	0 ft	0 ft
	45 m	2,484 m	183.26		0 m	0 m
08	148 ft	8,180 ft	75.84	ASPHALT	0 ft	161 ft
	45 m	2,493 m	68.72		0 m	49 m
26	148 ft	8,180 ft	255.88	ASPHALT	0 ft	161 ft
	45 m	2,493 m	248.75		0 m	49 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	LOC-ILS	SSA	109.90 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
01R	LOC-ILS	TSA	109.35 MHz	18 nm	10.38	-	138 ft
				33 km	3.26		138 m
19L	LOC-ILS	USA	111.35 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
19R	LOC-ILS	NSA	110.70 MHz	18 nm	190.38	-	138 ft
				33 km	183.26		138 m
26	LOC-ILS	ESA	110.10 MHz	18 nm	255.86	-	138 ft
				33 km	248.74		138 m
08	LOC-LOC	WSA	109.55 MHz	18 nm	75.86	-	138 ft
				33 km	68.74		138 m
01L	GS	SSA	109.90 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	GS	TSA	109.35 MHz	10 nm	10.38	3.00	138 ft
				19 km	3.26		138 m
19L	GS	USA	111.35 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
19R	GS	NSA	110.70 MHz	10 nm	190.38	3.00	138 ft
				19 km	183.26		138 m
26	GS	ESA	110.10 MHz	10 nm	255.86	3.00	138 ft
				19 km	248.74		138 m

## KORD

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 6

Elevation: 680 ft / 207 m  
Location: 41.973400 -87.906600  
Magnetic Var: 4.112 W

## METAR

KORD 160151Z 03009KT 10SM SCT250 13/05 A2987 RMK AO2 SLP116 T01330050

## TAF

TAF KORD 152324Z 1600/1706 03010KT P6SM FEW250 FM160200 02004KT P6SM FEW050 SCT250 FM161200 15005KT P6SM SCT040 B

## Frequencies

REC - 135.40 MHz - ATIS	COM - 122.95 MHz - UNICOM
CLD - 119.25 MHz - CLEARANCE DELIVERY	CLD - 121.60 MHz - CLEARANCE DELIVERY
GND - 118.05 MHz - O'HARE GROUND	GND - 121.67 MHz - O'HARE GROUND
GND - 121.75 MHz - O'HARE GROUND	GND - 121.90 MHz - O'HARE GROUND
GND - 124.12 MHz - O'HARE GROUND	GND - 134.12 MHz - O'HARE GROUND
TWR - 120.75 MHz - O'HARE TOWER	TWR - 121.15 MHz - O'HARE TOWER
TWR - 126.90 MHz - O'HARE TOWER	TWR - 127.92 MHz - O'HARE TOWER
TWR - 132.70 MHz - O'HARE TOWER	TWR - 128.15 MHz - O'HARE TOWER
TWR - 133.00 MHz - O'HARE TOWER	APP - 119.00 MHz - CHICAGO APPROACH
APP - 133.62 MHz - CHICAGO APPROACH	APP - 124.35 MHz - CHICAGO APPROACH
APP - 125.70 MHz - CHICAGO APPROACH	DEP - 125.00 MHz - CHICAGO DEPARTURE
DEP - 125.40 MHz - CHICAGO DEPARTURE	DEP - 127.40 MHz - CHICAGO DEPARTURE
DEP - 128.80 MHz - CHICAGO DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
10C	200 ft	10,789 ft	89.85	CONCRETE	0 ft	397 ft
	61 m	3,289 m	93.96		0 m	121 m
28C	200 ft	10,789 ft	269.88	CONCRETE	0 ft	381 ft
	61 m	3,289 m	273.99		0 m	116 m
10L	151 ft	12,996 ft	89.87	CONCRETE	0 ft	394 ft
	46 m	3,961 m	93.99		0 m	120 m
28R	151 ft	12,996 ft	269.91	CONCRETE	0 ft	285 ft
	46 m	3,961 m	274.02		0 m	87 m
04R	151 ft	8,074 ft	41.40	CONCRETE	0 ft	850 ft
	46 m	2,461 m	45.51		0 m	259 m
22L	151 ft	8,074 ft	221.41	CONCRETE	0 ft	584 ft
	46 m	2,461 m	225.53		0 m	178 m
09R	151 ft	7,949 ft	89.98	CONCRETE	0 ft	148 ft
	46 m	2,423 m	94.09		0 m	45 m
27L	151 ft	7,949 ft	270.00	CONCRETE	0 ft	197 ft
	46 m	2,423 m	274.11		0 m	60 m
09L	151 ft	7,484 ft	89.99	CONCRETE	0 ft	397 ft
	46 m	2,281 m	94.10		0 m	121 m
27R	151 ft	7,484 ft	270.00	CONCRETE	0 ft	397 ft
	46 m	2,281 m	274.12		0 m	121 m
10R	151 ft	7,484 ft	89.85	CONCRETE	0 ft	400 ft
	46 m	2,281 m	93.96		0 m	122 m
28L	151 ft	7,484 ft	269.87	CONCRETE	0 ft	400 ft
	46 m	2,281 m	273.98		0 m	122 m



## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	ISAJ	111.75 MHz	18 nm	-	-	668 ft
				33 km	-		668 m
10L	DME	IMED	111.10 MHz	18 nm	-	-	678 ft
				33 km	-		678 m
27L	DME	IIAC	110.50 MHz	18 nm	-	-	641 ft
				33 km	-		641 m
27R	DME	IABU	111.75 MHz	18 nm	-	-	668 ft
				33 km	-		668 m
28R	DME	ITSL	111.10 MHz	18 nm	-	-	678 ft
				33 km	-		678 m
04R	LOC-ILS	IFJU	110.10 MHz	18 nm	41.41	-	680 ft
				33 km	45.52		680 m
09L	LOC-ILS	ISAJ	111.75 MHz	18 nm	90.00	-	680 ft
				33 km	94.11		680 m
09R	LOC-ILS	IJAV	110.50 MHz	18 nm	89.99	-	680 ft
				33 km	94.10		680 m
10L	LOC-ILS	IMED	111.10 MHz	18 nm	89.89	-	680 ft
				33 km	94.00		680 m
10C	LOC-ILS	ISXH	108.95 MHz	18 nm	89.86	-	680 ft
				33 km	93.97		680 m
10R	LOC-ILS	IIZJ	110.75 MHz	18 nm	89.86	-	680 ft
				33 km	93.97		680 m
22L	LOC-ILS	ILQQ	110.10 MHz	18 nm	221.41	-	680 ft
				33 km	225.52		680 m
27L	LOC-ILS	IIAC	110.50 MHz	18 nm	269.99	-	680 ft
				33 km	274.10		680 m
27R	LOC-ILS	IABU	111.75 MHz	18 nm	270.00	-	680 ft
				33 km	274.11		680 m
28L	LOC-ILS	IVQX	110.75 MHz	18 nm	269.87	-	680 ft
				33 km	273.98		680 m
28C	LOC-ILS	IVZE	108.95 MHz	18 nm	269.87	-	680 ft
				33 km	273.98		680 m
28R	LOC-ILS	ITSL	111.10 MHz	18 nm	269.88	-	680 ft
				33 km	273.99		680 m
04R	GS	IFJU	110.10 MHz	10 nm	41.41	3.00	680 ft
				19 km	45.52		680 m
09L	GS	ISAJ	111.75 MHz	10 nm	90.00	3.00	680 ft
				19 km	94.11		680 m
09R	GS	IJAV	110.50 MHz	10 nm	89.99	3.00	680 ft
				19 km	94.10		680 m
10L	GS	IMED	111.10 MHz	10 nm	89.89	3.00	680 ft
				19 km	94.00		680 m
10C	GS	ISXH	108.95 MHz	10 nm	89.86	3.00	680 ft
				19 km	93.97		680 m
10R	GS	IIZJ	110.75 MHz	10 nm	89.86	3.00	680 ft
				19 km	93.97		680 m
22L	GS	ILQQ	110.10 MHz	10 nm	221.41	3.00	680 ft
				19 km	225.52		680 m
27L	GS	IIAC	110.50 MHz	10 nm	269.99	3.00	680 ft
				19 km	274.10		680 m
27R	GS	IABU	111.75 MHz	10 nm	270.00	3.00	680 ft
				19 km	274.11		680 m
28L	GS	IVQX	110.75 MHz	10 nm	269.87	3.00	680 ft
				19 km	273.98		680 m
28C	GS	IVZE	108.95 MHz	10 nm	269.87	3.00	680 ft
				19 km	273.98		680 m
28R	GS	ITSL	111.10 MHz	10 nm	269.88	3.00	680 ft
				19 km	273.99		680 m