

WSSS

Singapore Changi

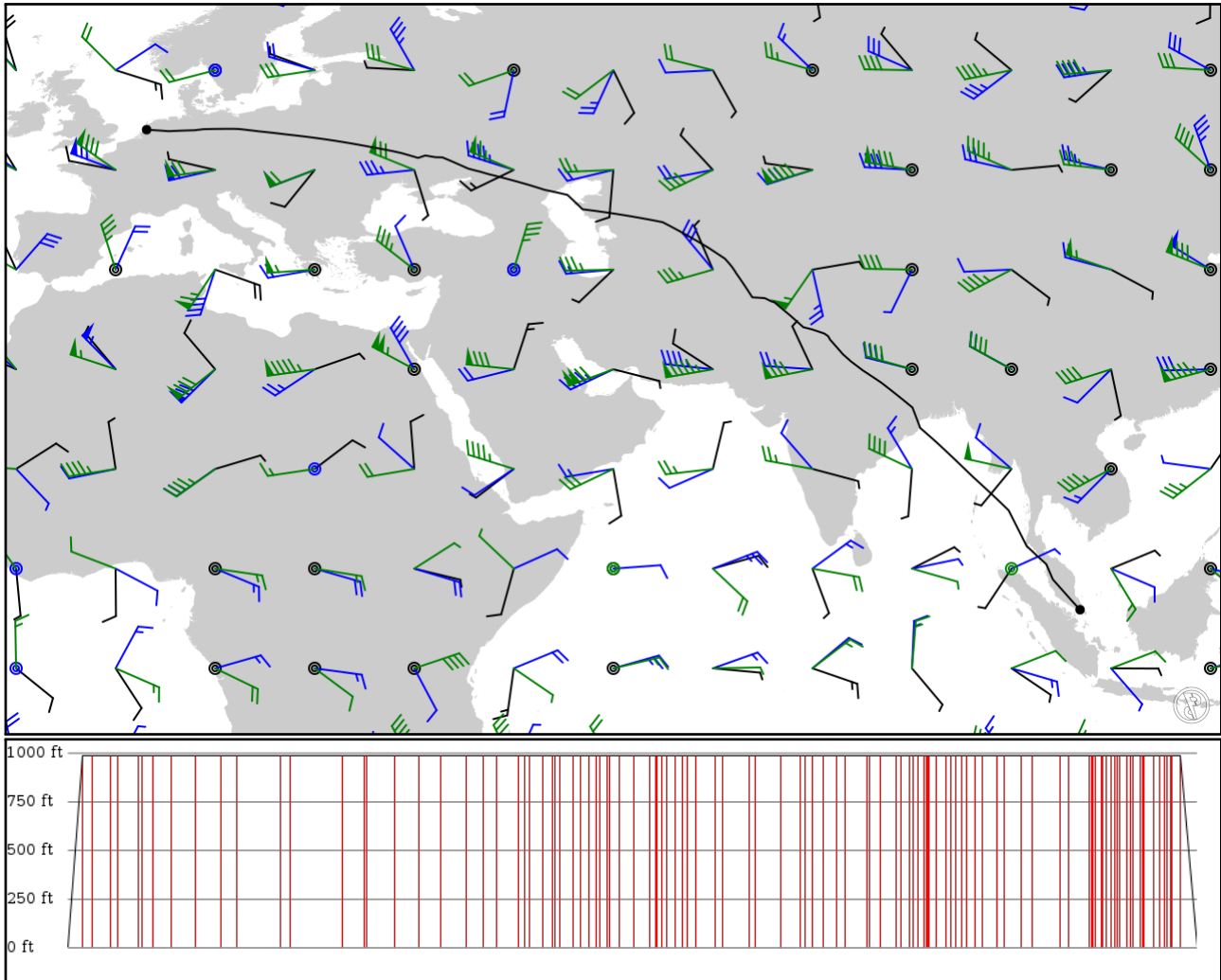
EHAM

Amsterdam Schiphol Airport

2024/05/05 0350Z

WSSS REDUK **R325** PUT **L515** OBMOG **M770** JJS **P646** BBN **R460** LKN **M890** SAMAR LA **J161** PS KOTAL **A455** RAMSO
A453 TAPIS **M875** AMDAR **A466** TRZ TRZ **A466** INDUD **A107** BUPOR **B198** NAKUK **B363** BABUR **A102** UP ABTON **A102**
TUBNA OBETI **A102** KL DERIB NALEM **L32** VALPA **P851** LI **W624** PEKIT **A83** LAPVA **M70** POLON **L980** SUI **UL980**
HLZ **L980** DLE **UL980** AMSAN EHAM

5811.66 nm / 10763.20 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
WSSS	-	1.35561	0 ft	-	Singapore Changi
APT	-	103.98800	0 m		
REDUK	-	2.33258	300 ft	79	-
FIX	-	103.08300	91 m		
LATUK	R325	2.92111	300 ft	47	-
FIX	AWY-HI	102.56300	91 m		
ANSOM	R325	4.07333	300 ft	92	-
FIX	AWY-HI	101.53900	91 m		
VIH	R325	4.57361	300 ft	40	IPOH
VOR	AWY-HI	101.09400	91 m		
VAS	R325	6.18567	300 ft	105	ALOR SETAR
VOR	AWY-HI	100.39700	91 m		
DUBAX	R325	6.43219	300 ft	21	-
FIX	AWY-HI	100.12700	91 m		
UTHAI	R325	7.00214	300 ft	50	-
FIX	AWY-HI	99.49690	91 m		
PUT	R325	8.11523	300 ft	97	PHUKET
VOR	AWY-HI	98.30630	91 m		
IKULA	L515	10.00190	300 ft	126	-
FIX	AWY-HI	97.35390	91 m		
OBMOG	L515	11.90190	300 ft	127	-
FIX	AWY-HI	96.39190	91 m		
LALAT	M770	12.84690	300 ft	80	-
FIX	AWY-HI	95.41890	91 m		
SADUS	M770	15.42810	300 ft	224	-
FIX	AWY-HI	92.63110	91 m		
MEPEL	M770	16.03330	300 ft	51	-
FIX	AWY-HI	92.00000	91 m		
BUBKO	M770	19.18440	300 ft	268	-
FIX	AWY-HI	88.66420	91 m		
BUMRO	M770	20.47080	300 ft	113	-
FIX	AWY-HI	87.20000	91 m		
KAKID	M770	20.64330	300 ft	15	-
FIX	AWY-HI	86.99500	91 m		
JJS	M770	22.81330	300 ft	138	JAMSHEDPUR
VOR	AWY-HI	86.17380	91 m		
PUPAM	P646	24.20890	300 ft	126	-
FIX	AWY-HI	84.45610	91 m		
BBN	P646	25.45420	300 ft	114	VARANASI
VOR	AWY-HI	82.85950	91 m		
LKN	R460	26.75860	300 ft	131	LUCKNOW
VOR	AWY-HI	80.89440	91 m		
JAL	M890	27.69440	300 ft	86	JALALABAD
VOR	AWY-HI	79.65560	91 m		
PUMOT	M890	28.46670	300 ft	65	-
FIX	AWY-HI	78.78190	91 m		
SP	M890	29.99990	300 ft	116	SARSAWA
NDB	AWY-HI	77.43200	91 m		
ONOGI	M890	30.40000	300 ft	26	-
FIX	AWY-HI	77.19860	91 m		
CHG	M890	30.66750	300 ft	25	CHANDIGARH
VOR	AWY-HI	76.80580	91 m		
LAKET	M890	31.11640	300 ft	73	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	75.48220	91 m		
SAMAR	M890	31.34670	300 ft	49	-
FIX	AWY-HI	74.56580	91 m		
LA	-	31.49970	300 ft	12	LAHORE
VOR	-	74.40000	91 m		
SARPO	J161	31.81330	300 ft	26	-
FIX	AWY-HI	74.04780	91 m		
CADIZ	J161	32.63670	300 ft	68	-
FIX	AWY-HI	73.11610	91 m		
BELKO	J161	33.04810	300 ft	34	-
FIX	AWY-HI	72.62720	91 m		
KALNA	J161	33.54830	300 ft	42	-
FIX	AWY-HI	72.02560	91 m		
PS	J161	33.97820	300 ft	36	PESHAWAR
VOR	AWY-HI	71.51690	91 m		
KOTAL	-	34.09970	300 ft	19	-
FIX	-	71.14970	91 m		
RAMSO	A455	34.43000	300 ft	38	-
FIX	AWY-HI	70.47500	91 m		
PEGTO	A453	34.44720	300 ft	13	-
FIX	AWY-LO	70.21110	91 m		
TAPIS	A453	34.51670	300 ft	52	-
FIX	AWY-LO	69.15000	91 m		
DOSHI	M875	35.60000	300 ft	73	-
FIX	AWY-HI	68.44170	91 m		
KHOLM	M875	36.71670	300 ft	76	-
FIX	AWY-HI	67.68330	91 m		
AMDAR	M875	37.20830	300 ft	33	-
FIX	AWY-HI	67.34330	91 m		
TRZ	A466	37.28670	300 ft	4	TERMEZ
VOR	AWY-HI	67.31770	91 m		
TRZ	-	37.28500	300 ft	0	TERMEZ VOR-DME
DME	-	67.30670	91 m		
HA	A466	37.68330	300 ft	27	SHERABAD
NDB	AWY-HI	67.03330	91 m		
RATAR	A466	38.02170	300 ft	23	-
FIX	AWY-HI	66.76670	91 m		
INDUD	A466	38.61830	300 ft	43	-
FIX	AWY-HI	66.23830	91 m		
YU	A107	39.05000	300 ft	40	KASAN
NDB	AWY-HI	65.58500	91 m		
TUDLI	A107	39.31000	300 ft	23	-
FIX	AWY-HI	65.19500	91 m		
BUPOR	A107	39.77500	300 ft	43	-
FIX	AWY-HI	64.48330	91 m		
VANAB	B198	40.79000	300 ft	99	-
FIX	AWY-HI	62.75670	91 m		
OGSES	B198	41.14670	300 ft	35	-
FIX	AWY-HI	62.12670	91 m		
NAKUK	B198	42.48830	300 ft	138	-
FIX	AWY-HI	59.62330	91 m		
EKMOS	B363	42.63830	300 ft	34	-
FIX	AWY-HI	58.87670	91 m		
KUNAS	B363	43.15640	300 ft	130	-
FIX	AWY-HI	56.00000	91 m		
BAPER	B363	43.50310	300 ft	99	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	53.77830	91 m		
MEDOL	B363	43.57360	300 ft	21	-
FIX	AWY-HI	53.28310	91 m		
NEPIL	B363	43.69250	300 ft	38	-
FIX	AWY-HI	52.41530	91 m		
AKT	B363	43.85870	300 ft	57	AKTAU
VOR	AWY-HI	51.10070	91 m		
ATNUR	B363	44.76640	300 ft	67	-
FIX	AWY-HI	50.16330	91 m		
BABUR	B363	45.38670	300 ft	46	-
FIX	AWY-HI	49.50000	91 m		
UP	A102	45.92720	300 ft	107	ZENZELI
NDB	AWY-HI	47.06030	91 m		
ABTON	-	46.02060	300 ft	13	-
FIX	-	46.77140	91 m		
LUGEP	A102	46.41830	300 ft	58	-
FIX	AWY-HI	45.49690	91 m		
BAKAM	A102	46.94330	300 ft	83	-
FIX	AWY-HI	43.63110	91 m		
SOMRO	A102	47.08560	300 ft	23	-
FIX	AWY-HI	43.09920	91 m		
TUBNA	A102	47.33470	300 ft	42	-
FIX	AWY-HI	42.13640	91 m		
OBETI	-	47.46580	300 ft	22	-
FIX	-	41.61360	91 m		
KA	A102	47.58780	300 ft	21	KONSTANTINOVSK
NDB	AWY-HI	41.11500	91 m		
ABLOG	A102	47.80560	300 ft	32	-
FIX	AWY-HI	40.37610	91 m		
KL	A102	47.88530	300 ft	12	KRASNY
NDB	AWY-HI	40.10000	91 m		
DERIB	-	47.92640	300 ft	8	-
FIX	-	39.90830	91 m		
NALEM	-	47.95000	300 ft	4	-
FIX	-	39.80830	91 m		
VALPA	L32	48.18190	300 ft	37	-
FIX	AWY-HI	38.94060	91 m		
IRBAT	P851	48.67310	300 ft	52	-
FIX	AWY-HI	37.84280	91 m		
NESLO	P851	48.87690	300 ft	22	-
FIX	AWY-HI	37.37470	91 m		
SODRA	P851	49.10830	300 ft	25	-
FIX	AWY-HI	36.83330	91 m		
LI	P851	49.36820	300 ft	29	LYKHACHEVE
NDB	AWY-HI	36.20670	91 m		
GR	W624	49.38820	300 ft	29	KRASNOHRAD
NDB	AWY-LO	35.44670	91 m		
PALTA	W624	49.57000	300 ft	42	-
FIX	AWY-LO	34.39500	91 m		
PEKIT	W624	49.31330	300 ft	34	-
FIX	AWY-LO	33.61670	91 m		
VEBIX	A83	49.82610	300 ft	75	-
FIX	AWY-HI	31.85250	91 m		
BASOR	A83	50.05190	300 ft	41	-
FIX	AWY-HI	30.83330	91 m		
LAPVA	A83	50.45640	300 ft	85	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	28.69250	91 m		
OKROT	M70	50.70690	300 ft	53	-
FIX	AWY-HI	27.34890	91 m		
TOLPA	M70	51.30280	300 ft	144	-
FIX	AWY-HI	23.64580	91 m		
SOMOX	M70	51.46810	300 ft	46	-
FIX	AWY-HI	22.44310	91 m		
POLON	M70	51.80000	300 ft	105	-
FIX	AWY-HI	19.65610	91 m		
DERAM	L980	51.84690	300 ft	14	-
FIX	AWY-HI	19.28080	91 m		
SUBAX	L980	51.86580	300 ft	5	-
FIX	AWY-HI	19.12490	91 m		
UTOLU	L980	51.89690	300 ft	9	-
FIX	AWY-HI	18.86750	91 m		
INDIG	L980	51.99670	300 ft	32	-
FIX	AWY-HI	18.00000	91 m		
MASIV	L980	52.01250	300 ft	5	-
FIX	AWY-HI	17.85670	91 m		
BADUP	L980	52.05920	300 ft	16	-
FIX	AWY-HI	17.42110	91 m		
ADVAB	L980	52.13060	300 ft	25	-
FIX	AWY-HI	16.72720	91 m		
OBOLA	L980	52.19440	300 ft	19	-
FIX	AWY-HI	16.21140	91 m		
KELOD	L980	52.23390	300 ft	12	-
FIX	AWY-HI	15.88330	91 m		
BAREP	L980	52.27110	300 ft	11	-
FIX	AWY-HI	15.56440	91 m		
SUI	L980	52.37990	300 ft	36	SUBI VOR-DME
DME	AWY-HI	14.58560	91 m		
TUVAK	UL980	52.39980	300 ft	18	-
FIX	AWY-HI	14.07080	91 m		
ADLIR	UL980	52.40030	300 ft	16	-
FIX	AWY-HI	13.62190	91 m		
PENEK	UL980	52.39580	300 ft	35	-
FIX	AWY-HI	12.64670	91 m		
SOBLU	UL980	52.39220	300 ft	13	-
FIX	AWY-HI	12.27280	91 m		
GALKU	UL980	52.38940	300 ft	7	-
FIX	AWY-HI	12.07920	91 m		
HLZ	UL980	52.36340	300 ft	47	HEHLINGEN
VOR	AWY-HI	10.79520	91 m		
DLE	L980	52.25030	300 ft	34	LEINE
VOR	AWY-LO	9.88349	91 m		
ROBEG	UL980	52.23360	300 ft	22	-
FIX	AWY-HI	9.26962	91 m		
BADMU	UL980	52.22440	300 ft	11	-
FIX	AWY-HI	8.97083	91 m		
MOBSA	UL980	52.20640	300 ft	19	-
FIX	AWY-HI	8.44944	91 m		
OSN	UL980	52.20010	300 ft	6	OSNABRUECK
VOR	AWY-HI	8.28552	91 m		
AMSAN	UL980	52.15030	300 ft	43	-
FIX	AWY-HI	7.11139	91 m		
EHAM	-	52.30810	0 ft	86	Amsterdam Schiphol Airport

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
APT	-	4.76417	0 m		

WSSS

Region: SINGAPORE

Timezone: ASIA/SINGAPORE

Runways: 2

Elevation: 20 ft / 6 m

Location: 1.355510 103.988000

Magnetic Var: 0.198 E

METAR

WSSS 050330Z 17008KT 140V200 9999 SCT018 FEW020TCU BKN300 31/26 Q1010 NOSIG

TAF

TAF WSSS 042300Z 0500/0606 20009KT 9999 FEW015 SCT020 TEMPO 0506/0509 3000 TSRA FEW012CB BKN015

Frequencies

DEP - 123.70 MHz - SINGAPORE RADAR	DEP - 127.30 MHz - SINGAPORE RADAR
DEP - 133.80 MHz - SINGAPORE RADAR	DEP - 133.25 MHz - SINGAPORE RADAR
DEP - 135.80 MHz - SINGAPORE RADAR	DEP - 134.20 MHz - SINGAPORE RADAR
DEP - 133.35 MHz - SINGAPORE RADAR	DEP - 134.40 MHz - SINGAPORE RADAR
DEP - 128.10 MHz - SINGAPORE RADAR	DEP - 255.40 MHz - SINGAPORE RADAR
DEP - 124.05 MHz - SINGAPORE RADAR	APP - 120.30 MHz - SINGAPORE APPROACH
APP - 124.60 MHz - SINGAPORE APPROACH	APP - 119.30 MHz - SINGAPORE ARRIVAL
TWR - 118.60 MHz - SINGAPORE TOWER	TWR - 118.25 MHz - SINGAPORE TOWER
GND - 124.30 MHz - SINGAPORE GROUND	GND - 121.72 MHz - SINGAPORE GROUND
GND - 121.85 MHz - SINGAPORE GROUND	GND - 121.00 MHz - SINGAPORE GROUND EMERGENCY
GND - 122.55 MHz - SINGAPORE GROUND	CLD - 121.65 MHz - SINGAPORE DELIVERY
CLD - 119.60 MHz - SINGAPORE DELIVERY	REC - 128.60 MHz -
REC - 128.02 MHz -	CHANGI AIRPORT INFORMATION (D-ATIS)
CHANGI AIRPORT ARRIVAL INFORMATION	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02L	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20R	197 ft	13,187 ft	202.88	ASPHALT	2,428 ft	390 ft
	60 m	4,020 m	202.68		740 m	119 m
02C	197 ft	13,187 ft	22.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	22.68		0 m	0 m
20C	197 ft	13,187 ft	202.88	ASPHALT	0 ft	0 ft
	60 m	4,020 m	202.68		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02C	DME	ICE	108.30 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
02L	DME	ICW	110.90 MHz	18 nm	-	-	20 ft
				33 km	-		20 m
20C	DME	ICC	109.70 MHz	18 nm	-	-	15 ft
				33 km	-		15 m
20R	DME	ICH	108.90 MHz	18 nm	-	-	22 ft
				33 km	-		22 m
02C	LOC-ILS	ICE	108.30 MHz	18 nm	22.88	-	20 ft
				33 km	22.68		20 m
02L	LOC-ILS	ICW	110.90 MHz	18 nm	22.88	-	20 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	22.68		20 m
20C	LOC-ILS	ICC	109.70 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
20R	LOC-ILS	ICH	108.90 MHz	18 nm	202.88	-	20 ft
				33 km	202.68		20 m
02C	GS	ICE	108.30 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
02L	GS	ICW	110.90 MHz	10 nm	22.88	3.00	20 ft
				19 km	22.68		20 m
20C	GS	ICC	109.70 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m
20R	GS	ICH	108.90 MHz	10 nm	202.88	3.00	20 ft
				19 km	202.68		20 m

EHAM

Region: NETHERLANDS
Timezone: EUROPE/AMSTERDAM
Runways: 6

Elevation: -11 ft / -3 m
Location: 52.308100 4.764170
Magnetic Var: 2.041 E

METAR

EHAM 050325Z 26007KT 9999 -RA SCT042 10/09 Q1008 NOSIG

TAF

TAF TAF EHAM 042321Z 0500/0606 36005KT 9999 -RA BKN040 BECMG 0500/0503 28006KT 6000 TEMPO 0500/0508 4000 BR BKN006

Frequencies

GND - 121.55 MHz - SCHIPHOL GROUND	GND - 121.70 MHz - SCHIPHOL GROUND
GND - 121.80 MHz - SCHIPHOL GROUND	GND - 121.90 MHz - SCHIPHOL GROUND
GND - 121.60 MHz - SCHIPHOL GROUND	TWR - 119.22 MHz - SCHIPHOL TOWER
TWR - 118.10 MHz - SCHIPHOL TOWER	TWR - 118.27 MHz - SCHIPHOL TOWER
TWR - 119.90 MHz - SCHIPHOL TOWER	APP - 118.80 MHz - AMSTERDAM RADAR
APP - 120.55 MHz - AMSTERDAM RADAR	APP - 127.78 MHz - AMSTERDAM RADAR
APP - 119.05 MHz - SCHIPHOL APPROACH	APP - 118.08 MHz - SCHIPHOL APPROACH
APP - 126.68 MHz - SCHIPHOL APPROACH	APP - 118.40 MHz - SCHIPHOL ARRIVAL
APP - 131.15 MHz - SCHIPHOL ARRIVAL	DEP - 121.20 MHz - SCHIPHOL DEPARTURE
REC - 122.20 MHz - SCHIPHOL ATIS	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	145 ft	11,319 ft	86.77	ASPHALT	325 ft	0 ft
	44 m	3,450 m	84.73		99 m	0 m
27	145 ft	11,319 ft	266.81	ASPHALT	0 ft	0 ft
	44 m	3,450 m	264.77		0 m	0 m
18L	150 ft	11,150 ft	183.24	ASPHALT	1,886 ft	0 ft
	46 m	3,399 m	181.20		575 m	0 m
36R	150 ft	11,150 ft	3.24	ASPHALT	0 ft	0 ft
	46 m	3,399 m	1.20		0 m	0 m
18C	145 ft	10,813 ft	183.22	ASPHALT	0 ft	0 ft
	44 m	3,296 m	181.18		0 m	0 m
36C	145 ft	10,813 ft	3.22	ASPHALT	1,473 ft	0 ft
	44 m	3,296 m	1.17		449 m	0 m
18R	190 ft	12,467 ft	183.19	ASPHALT	886 ft	0 ft
	58 m	3,800 m	181.15		270 m	0 m
36L	190 ft	12,467 ft	3.19	ASPHALT	0 ft	0 ft
	58 m	3,800 m	1.15		0 m	0 m
06	150 ft	11,288 ft	57.85	ASPHALT	814 ft	0 ft
	46 m	3,441 m	55.81		248 m	0 m
24	150 ft	11,288 ft	237.89	ASPHALT	0 ft	0 ft
	46 m	3,441 m	235.85		0 m	0 m
04	140 ft	6,624 ft	41.18	ASPHALT	0 ft	0 ft
	43 m	2,019 m	39.14		0 m	0 m
22	140 ft	6,624 ft	221.20	ASPHALT	0 ft	0 ft
	43 m	2,019 m	219.16		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06	DME	KAG	110.55 MHz	18 nm 33 km	- -	-	-11 ft -11 m
18R	DME	VPB	110.10 MHz	18 nm 33 km	- -	-	-11 ft -11 m
22	DME	SCH	109.15 MHz	18 nm 33 km	- -	-	-11 ft -11 m
27	DME	BVB	111.55 MHz	18 nm 33 km	- -	-	-11 ft -11 m
36C	DME	MSA	108.75 MHz	18 nm 33 km	- -	-	-11 ft -11 m
36R	DME	ABA	111.95 MHz	18 nm 33 km	- -	-	-11 ft -11 m
06	LOC-ILS	KAG	110.55 MHz	18 nm 33 km	57.88 55.84	-	-11 ft -11 m
18C	LOC-ILS	ZWA	109.50 MHz	18 nm 33 km	183.22 181.18	-	-11 ft -11 m
18R	LOC-ILS	VPB	110.10 MHz	18 nm 33 km	183.19 181.15	-	-11 ft -11 m
22	LOC-ILS	SCH	109.15 MHz	18 nm 33 km	221.20 219.16	-	-11 ft -11 m
27	LOC-ILS	BVB	111.55 MHz	18 nm 33 km	266.79 264.75	-	-11 ft -11 m
36C	LOC-ILS	MSA	108.75 MHz	18 nm 33 km	3.22 1.18	-	-11 ft -11 m
36R	LOC-ILS	ABA	111.95 MHz	18 nm 33 km	3.24 1.20	-	-11 ft -11 m
06	GS	KAG	110.55 MHz	10 nm 19 km	57.88 55.84	3.00	-11 ft -11 m
18C	GS	ZWA	109.50 MHz	10 nm 19 km	183.22 181.18	3.00	-11 ft -11 m
18R	GS	VPB	110.10 MHz	10 nm 19 km	183.19 181.15	3.00	-11 ft -11 m
22	GS	SCH	109.15 MHz	10 nm 19 km	221.20 219.16	3.00	-11 ft -11 m
27	GS	BVB	111.55 MHz	10 nm 19 km	266.79 264.75	3.00	-11 ft -11 m
36C	GS	MSA	108.75 MHz	10 nm 19 km	3.22 1.18	3.00	-11 ft -11 m
36R	GS	ABA	111.95 MHz	10 nm 19 km	3.24 1.20	3.00	-11 ft -11 m