

# WBKK

Kota Kinabalu Intl

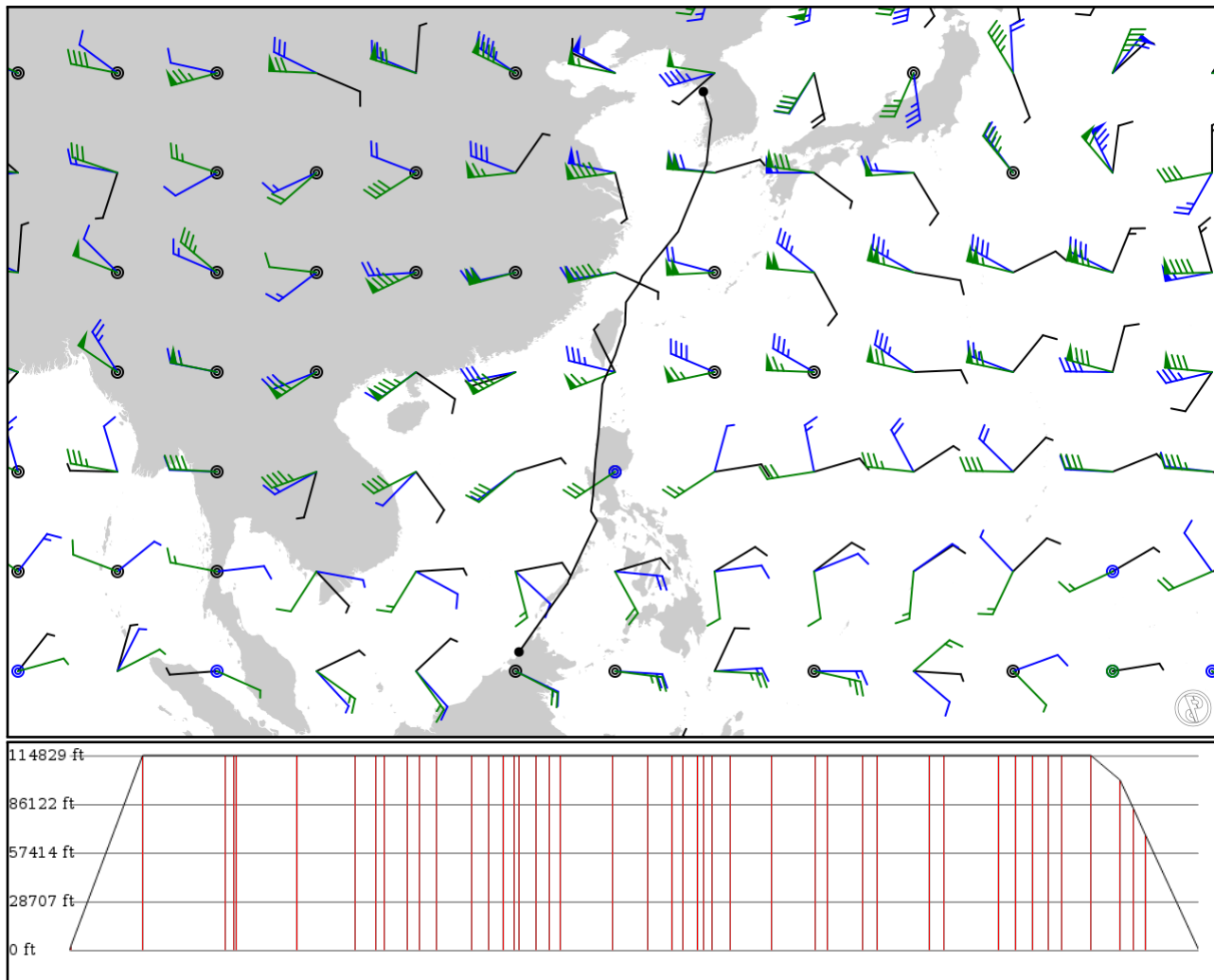
# RKSI

Incheon Intl

2024/05/20 1217Z

WBKK VJN **M646** PR PR **M646** OLRAX W3 LBG **B591** SAN **M646** POTIB Q11 GID **B591** TINHO Q11 DRAKE L2 BERBA  
**B576** RINBO RKSI

2056.37 nm / 3808.39 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
WBKK	-	5.93391	0 ft	-	Kota Kinabalu Intl
APT	-	116.05000	0 m		
VJN	-	5.89925	800 ft	2	KOTA KINABALU
VOR	-	116.03400	244 m		
OSANU	M646	7.69000	35,000 ft	131	-
FIX	AWY-HI	117.29300	10,668 m		
PR	M646	9.74133	35,000 ft	150	PUERTO PRINCESA VOR-DME
DME	AWY-HI	118.75300	10,668 m		
PR	-	9.73980	35,000 ft	1	PUERTO PRINCESA
VOR	-	118.77000	10,668 m		
TELMO	M646	9.96919	35,000 ft	14	-
FIX	AWY-HI	118.85900	10,668 m		
GAMAN	M646	10.04510	35,000 ft	5	-
FIX	AWY-HI	118.89500	10,668 m		
TOKON	M646	11.70050	35,000 ft	109	-
FIX	AWY-HI	119.67500	10,668 m		
OLRAX	M646	13.31620	35,000 ft	107	-
FIX	AWY-HI	120.44600	10,668 m		
LBG	W3	13.85410	35,000 ft	37	LUBANG
VOR	AWY-HI	120.10700	10,668 m		
SUSIE	B591	14.10300	35,000 ft	15	-
FIX	AWY-HI	120.13900	10,668 m		
SBA	B591	14.76960	35,000 ft	40	SUBIC BAY
VOR	AWY-HI	120.22500	10,668 m		
VILAR	B591	15.15630	35,000 ft	23	-
FIX	AWY-HI	120.25100	10,668 m		
TAREM	B591	15.67430	35,000 ft	31	-
FIX	AWY-HI	120.28600	10,668 m		
SAN	B591	16.72840	35,000 ft	63	SAN FERNANDO
VOR	AWY-HI	120.35800	10,668 m		
MELAN	M646	17.26430	35,000 ft	32	-
FIX	AWY-HI	120.42100	10,668 m		
KINLA	M646	17.68000	35,000 ft	25	-
FIX	AWY-HI	120.47000	10,668 m		
CURIM	M646	18.01250	35,000 ft	20	-
FIX	AWY-HI	120.50900	10,668 m		
LAO	M646	18.17880	35,000 ft	10	LAOAG
VOR	AWY-HI	120.52900	10,668 m		
KAPOH	M646	18.67930	35,000 ft	30	-
FIX	AWY-HI	120.56900	10,668 m		
CHRIS	M646	19.09640	35,000 ft	25	-
FIX	AWY-HI	120.60300	10,668 m		
ABVAR	M646	19.41410	35,000 ft	19	-
FIX	AWY-HI	120.62800	10,668 m		
POTIB	M646	21.00000	35,000 ft	95	-
FIX	AWY-HI	120.75800	10,668 m		
PICHU	Q11	21.98940	35,000 ft	64	-
FIX	AWY-HI	121.18700	10,668 m		
GID	Q11	22.67240	35,000 ft	44	LUDAO
VOR	AWY-HI	121.48600	10,668 m		
TACLE	B591	22.99390	35,000 ft	20	-
FIX	AWY-HI	121.58700	10,668 m		
JICHI	B591	23.41030	35,000 ft	26	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	121.72300	10,668 m		
WAGON	B591	23.58810	35,000 ft	11	-
FIX	AWY-HI	121.77400	10,668 m		
TITUS	B591	23.81170	35,000 ft	14	-
FIX	AWY-HI	121.85200	10,668 m		
TINHO	B591	24.35250	35,000 ft	33	-
FIX	AWY-HI	122.02900	10,668 m		
DRAKE	Q11	25.61560	35,000 ft	75	-
FIX	AWY-HI	122.07800	10,668 m		
AROMA	L2	26.72170	35,000 ft	78	-
FIX	AWY-HI	122.85600	10,668 m		
BERBA	L2	27.07810	35,000 ft	22	-
FIX	AWY-HI	123.00000	10,668 m		
DUBAN	B576	27.93830	35,000 ft	63	-
FIX	AWY-HI	123.69400	10,668 m		
SALMI	B576	28.31500	35,000 ft	27	-
FIX	AWY-HI	124.00000	10,668 m		
BOLOD	B576	29.58700	35,000 ft	93	-
FIX	AWY-HI	125.02500	10,668 m		
ATOTI	B576	30.00360	35,000 ft	26	-
FIX	AWY-HI	125.19800	10,668 m		
TESIM	B576	31.59060	35,000 ft	101	-
FIX	AWY-HI	125.85800	10,668 m		
NIRAT	B576	32.06500	35,000 ft	30	-
FIX	AWY-HI	126.05800	10,668 m		
SAMLO	B576	32.53970	35,000 ft	30	-
FIX	AWY-HI	126.26000	10,668 m		
SOSDO	B576	33.00330	35,000 ft	29	-
FIX	AWY-HI	126.46000	10,668 m		
CJU	B576	33.38460	35,000 ft	24	JEJU
VOR	AWY-HI	126.62400	10,668 m		
IPDAS	B576	34.25440	35,000 ft	52	-
FIX	AWY-HI	126.71700	10,668 m		
KWA	B576	35.12620	30,600 ft	52	GWANGJU
VOR	AWY-HI	126.81200	9,327 m		
LINTA	B576	35.52110	25,500 ft	23	-
FIX	AWY-HI	126.85500	7,772 m		
RINBO	B576	35.89790	20,700 ft	22	-
FIX	AWY-HI	126.89700	6,309 m		
RKSI	-	37.46540	0 ft	96	Incheon Intl
APT	-	126.44300	0 m		

## WBKK

Region: BRUNEI AND MALAYSIA  
Timezone: ASIA/KUCHING  
Runways: 1

Elevation: 14 ft / 4 m  
Location: 5.933910 116.050000  
Magnetic Var: 0.944 W

## METAR

WBKK 201200Z 13003KT 100V160 9999 FEW014 30/27 Q1007 NOSIG

## TAF

TAF WBKK 201100Z 2012/2112 12006KT 9999 FEW014 BECMG 2101/2103 30006KT

## Frequencies

REC - 127.40 MHz - ATIS  
TWR - 118.30 MHz - KINABALU TOWER  
GND - 121.60 MHz - KINABALU GROUND  
APP - 119.10 MHz - KINABALU APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	148 ft	12,492 ft	22.78	ASPHALT	0 ft	197 ft
	45 m	3,808 m	23.72		0 m	60 m
20	148 ft	12,492 ft	202.78	ASPHALT	925 ft	0 ft
	45 m	3,808 m	203.73		282 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	DME	IKKS	110.30 MHz	18 nm	-	-	10 ft
				33 km	-		10 m
02	LOC-ILS	IKKP	108.10 MHz	18 nm	22.78	-	14 ft
				33 km	23.72		14 m
20	LOC-ILS	IKKD	111.10 MHz	18 nm	202.78	-	14 ft
				33 km	203.72		14 m
02	GS	IKKP	108.10 MHz	10 nm	22.78	3.00	14 ft
				19 km	23.72		14 m
20	GS	IKKD	111.10 MHz	10 nm	202.78	3.00	14 ft
				19 km	203.72		14 m

## RKSI

Region: SOUTH KOREA  
Timezone: UNKNOWN  
Runways: 3

Elevation: 22 ft / 7 m  
Location: 37.465400 126.443000  
Magnetic Var: 8.785 W

## METAR

RKSI 201200Z 25004KT 210V290 3000 1400S BR BKN003 15/14 Q1017 NOSIG

## TAF

TAF RKSI 201100Z 2012/2118 24006KT 3500 BR BKN005 TN15/2020Z TX24/2105Z BECMG 2013/2015 1800 TEMPO 2018/2023 0600

## Frequencies

REC - 128.40 MHz - INCHEON ATIS  
TWR - 118.20 MHz - INCHEON TOWER  
DEP - 121.40 MHz - SEOUL DEPARTURE

GND - 121.75 MHz - INCHEON GROUND  
APP - 119.75 MHz - SEOUL APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	197 ft	13,131 ft	144.75	ASPHALT	0 ft	394 ft
	60 m	4,002 m	153.54		0 m	120 m
34	197 ft	13,131 ft	324.77	ASPHALT	0 ft	394 ft
	60 m	4,002 m	333.55		0 m	120 m
15R	197 ft	12,311 ft	144.78	ASPHALT	0 ft	397 ft
	60 m	3,752 m	153.56		0 m	121 m
33L	197 ft	12,311 ft	324.79	ASPHALT	0 ft	394 ft
	60 m	3,752 m	333.58		0 m	120 m
15L	197 ft	12,312 ft	144.77	ASPHALT	0 ft	397 ft
	60 m	3,753 m	153.56		0 m	121 m
33R	197 ft	12,312 ft	324.79	ASPHALT	0 ft	394 ft
	60 m	3,753 m	333.57		0 m	120 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
15L	DME	ISLL	111.90 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
15R	DME	ISRR	109.10 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
33L	DME	INLL	109.30 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
33R	DME	INRR	108.90 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
15L	LOC-ILS	ISLL	111.90 MHz	18 nm	144.79	-	22 ft
				33 km	153.57		22 m
15R	LOC-ILS	ISRR	109.10 MHz	18 nm	144.79	-	22 ft
				33 km	153.57		22 m
16	LOC-ILS	IRKS	110.35 MHz	18 nm	144.77	-	22 ft
				33 km	153.55		22 m
33L	LOC-ILS	INLL	109.30 MHz	18 nm	324.79	-	22 ft
				33 km	333.57		22 m
33R	LOC-ILS	INRR	108.90 MHz	18 nm	324.79	-	22 ft
				33 km	333.57		22 m
34	LOC-ILS	IRKN	108.10 MHz	18 nm	324.77	-	22 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				33 km	333.55		22 m
15L	GS	ISLL	111.90 MHz	10 nm	144.79	3.00	22 ft
				19 km	153.57		22 m
15R	GS	ISRR	109.10 MHz	10 nm	144.79	3.00	22 ft
				19 km	153.57		22 m
16	GS	IRKS	110.35 MHz	10 nm	144.77	3.00	22 ft
				19 km	153.55		22 m
33L	GS	INLL	109.30 MHz	10 nm	324.79	3.00	22 ft
				19 km	333.57		22 m
33R	GS	INRR	108.90 MHz	10 nm	324.79	3.00	23 ft
				19 km	333.57		23 m
34	GS	IRKN	108.10 MHz	10 nm	324.77	3.00	22 ft
				19 km	333.55		22 m