

KneeBoard

VER. 23.8.27



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by Flyingdeuk

GMP ↔ CJU

GMP ↔ SHA

GMP ↔ PUS

GMP ↔ KIX

CJU ↔ KWJ

CJU ↔ PEK

CJU ↔ CJJ

ICN ↔ NKG

CJU ↔ TAE

ICN ↔ TAO

CJU ↔ PUS

ICN ↔ PEK

PUS ↔ NRT

ICN ↔ SHE

ICN ↔ PUS

ICN ↔ PVG

ICN ↔ KIX

ICN ↔ YNJ

ICN ↔ NRT

ICN ↔ HGH

ICN ↔ CTS

ICN ↔ CXR

ICN ↔ HND

ICN ↔ SGN

ICN ↔ NGO

Welcome PA

Meter/Feet Conversion In Each China Page

Cold Temp Correction

Cold Wx Operation

ENG ON

Deicing

ENG OFF

Deicing

WELCOME 방송

손님 여러분, 안녕하십니까?

저는 기장 ____입니다.

저희 대한항공을 이용해 주셔서 대단히 감사합니다
____(국제)공항까지 비행시간은 ____시간 ____분
으로 예상됩니다.

비행 중에는 항공기가 갑자기 흔들릴 수도 있으니,
자리에 앉아 계실 때에는 항상 좌석벨트를
매주시기 바랍니다.

저는 여러분을 안전하게 모시기 위해 최선을
다하겠습니다. 감사합니다.

Good morning (afternoon /evening), ladies and gentlemen.

This is captain last name speaking.

Welcome aboard Korean Air.

This flight is bound for ____ (international)
airport and our flight time is ____ hours(s) and
minutes.

For your safety, keep your seatbelts fastened
while you are seated.

Thank you for choosing Koreanair.

Please enjoy the flight.

RKSS	서울/김포국제	ZSSS	상하이/홍차오
RKSI	서울/인천국제	ZSNJ	난징/루커우
RKPC	제주국제	ZSQD	칭다오/자오둥
RKPK	부산/김해국제	ZBAA	베이징/소우뚜(캐피털)
RKTU	청주국제	ZYTX	선양/타오셴
RKJJ	광주	ZSPD	상하이/푸둥
RKTN	대구국제	ZYYJ	옌지
RJBB	오사카/간사이	ZSHC	황저우/샤오산
RJTT	도쿄/하네다	VVCR	나짱/깜라인
RJAA	도쿄/나리타	VVTS	호찌민/탄소넛
RJCC	삿포로/신(뉴) 치토세		
RJGG	나고야/주부(센트레아)		

RKSS(GMP) 59ft RKPC(CJU) 119ft

KE GMP 131.15
DCL -15분 가능 TOBT 5분 차이
시 CTC Comm

KE CJU 129.4



Rwy 32R **Takeoff**

(06:00L~0900L / 12:00L~15:00L
/18:00L~21:00L)

GMP : SID (NADP 1)

32L/R	BULTI xT	324	324	5000	324
	(BULTI xQ)	324	324	5000	324
14L/R	BULTI xU	144	144	6000	144
	(BULTI xZ)	144	144	6000	144
KIP 113.6	32L 108.3	32R 110.7	14L 109.9	14R 108.7	

32L/R : KIP324/5, R220
YJU R271

14L/R : KIP144/4, R220
P73 /2

HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')

APRON(130.875) -> GND(121.9) -> TWR (All by ATC)



Home

CJU : STAR

AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07	DOTOL xP	YUMIN	DOTOL 160
ILS Z 25	DOTOL xT	DUKAL	DOTOL/-10 160
HUD	07(87')	10433'	25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x)
HST 40KTS

RKPC(CJU) 119ft RKSS(GMP) 59ft

KE CJU 129.4

DCL -10분

KE GMP 131.15

Rwy 32L **Landing**

(06:00L~0900L / 12:00L~15:00L

/18:00L~21:00L)



CJU : SID (NADP 1)

07	KAMIT xE	066	066	10000	066
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25	KAMIT xW	246	246	10000	246
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YDM 109.0	07 109.9	25 111.3
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07 : NONE

25 : YDM246/3, R290

HUD	07(87')	10433'	25(76')
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07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



Home

GMP : STAR

ILS 32L/R	OLMEN xT	BUMSI	OLMEN 160
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ILS 14R	OLMEN xU	DOKDO	OLMEN 160
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HUD

32L(41')	10499'	14R(34')
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32R(42')	11811'	14L(38')
----------	--------	----------

FIX

KIP /8(RWY 32), YJU R271, P73 /2

32L : D3(6532'), E2(9117'), 32R : E1(6614')

14R : C1(6578')

32L/R : 8 KIP L/G, 14R : LOC CAPT L/G

FAF : Final Flap

TWR -> GND -> APRON (All by ATC)

Except RWY14R Landing (Until R)

RKSS(GMP) 59ft RKPK(PUS) 13ft

KE GMP 131.15
DCL -15분 가능 TOBT 5분 차이
시 CTC Comm

KE Gimhae 129.2



Rwy 32R **Takeoff**

(06:00L~0900L / 12:00L~15:00L
/18:00L~21:00L)

GMP : SID (NADP 1)

32L/R	OSPOT xT	324	324	5000	324
	(OSPOT xQ)	324	324	5000	324
14L/R	OSPOT xU	144	144	6000	144
	(OSPOT xZ)	144	144	6000	144
KIP 113.6	32L 108.3	32R 110.7	14L 109.9	14R 108.7	

32L/R : KIP324/5, R220
YJU R271

14L/R : KIP144/4, R220
P73 /2

HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')

APRON(130.875) -> GND(121.9) -> TWR (All by ATC)



Home

PUS : STAR (Tail Wind 36R 136000lbs F40)

ILS 36	KEVOX x	MASTA	9DME LG, 8DME FLAP
VOR 18	GAYHA x	MASTA	18 Circling Click!!
HUD	36L(13') 10499' 36R(8') 8999'	18R(13') 8530' 18L(13') 8999'	
FIX	36 : IKMA/IKHE /9, /8	18 : KMH R283, R280	

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339')
18R : C6(5770'), C7 (6824') / 18L : E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS
C2 HOLD SHORT 가까움(Vacate TaxiSPD)

RKPK(PUS) 13ft

KE Gimhae 129.2

DCL -5분

RKSS(GMP) 59ft

KE GMP 131.15

Rwy 32L **Landing**

(06:00L~0900L / 12:00L~15:00L /18:00L~21:00L)

PUS : SID (Mod NADP CLB2 1000, 14000 MAX)

36	SOORO x KALOD tx	305	280	ATC	342
18	GIMHAE x	182	182	5000	182
KMH 113.8	PSN 114.0	36L 108.5	36R 109.5		

36 : KMH R091, R271, R185

HUD

36L(13') 10499'

36R(8') 8999'

18R(13') 8530'

18L(13') 8999'

RWY36 400ft Man L/H turn, Max Taxi SPD 20KTS

Home

GMP : STAR

ILS 32L/R	GUKDO xT	BUMSI	GUKDO 160
ILS 14R	GUKDO xU	DOKDO	GUKDO 160
HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')
FIX	KIP /8(RWY 32), YJU R271, P73 /2		

32L : D3(6532'), E2(9117'), 32R : E1(6614')
14R : C1(6578')

32L/R : 8 KIP L/G, 14R : LOC CAPT L/G
FAF : Final Flap
TWR -> GND -> APRON (All by ATC)
Except RWY14R Landing (Until R)

RKPC(CJU) 119ft → RKJJ(KWJ) 48ft

KE CJU 129.4

DCL -10분

KE KWJ 129.4

CJU : SID (NADP 1)

07	KAMIT xE	066	066	10000	066
25	KAMIT xW	246	246	10000	246
YDM 109.0		07 109.9		25 111.3	
07 : NONE			25 : YDM246/3, R290		
HUD	07(87')	10433'		25(76')	

07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



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KWJ : NO STAR (TL 140확인) – STAR RNP app Only!!

ILS 04R	no KOTTY	SAMUL/-15	CI04R
LOC 22L	SAMUL	D058Q	No PAR 3.3도
VOR 22L/R	SAMUL	D058Q	Offset 3.29도
HUD	04R(46')	9301'	22L(48')
	04L(46')	9301'	22R(48')
FIX	04R : SAMUL(CLR Limit)		

End of RWY Vacating 9301'

LOC 22L, VOR 22L/R -> LOC/VOR LNAV 지시고도 유지후

Final Establish 이후 강하 (TERR!!)

PAR 04L/R, 22R 가능 : 강하각 3도 (6NM, 3도)

TAXI MAX 15 kts (Max 30kts by ATC)

RKJJ(KWJ) 48ft**RKPC(CJU) 119ft**

KE KWJ 129.4

NO DCL

KE CJU 129.4

KWJ : SID (NADP 1)

ALL	KWA 5			8000	
04L	(GWJ 3)	038	038	ATC	038
22R	(GWJ 4)	218	218	ATC	218

KWA 114.4

04R 111.1

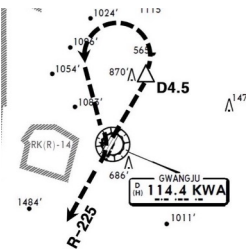
22L 108.5

04 : KWA /4.5, R225

22 : None

HUD	04L(46')	9301'	22R(48')
	04R(46')	9301'	22L(48')

Taxi SPD MAX 15kts
MAX 30kts by ATC

**Home****CJU : STAR**

AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07	DOTOL xP	YUMIN	DOTOL 160
ILS Z 25	DOTOL xT	DUKAL	DOTOL/-10 160
HUD	07(87')	10433'	25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x)
HST 40KTS

RKPC(CJU) 119ft RKTU(CJJ) 192ft

KE CJU 129.4

DCL -10분

KE CJJ 129.05

NO DCL, ATIS

CJU : SID (NADP 1)

07	KAMIT xE	066	066	10000	066
25	KAMIT xW	246	246	10000	246
YDM 109.0		07 109.9		25 111.3	
07 : NONE			25 : YDM246/3, R290		
HUD	07(87')	10433'		25(76')	

07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



Home

CJJ : NO STAR

After OSPOT H/D060 – RDR Vector

Req ILS Z 24R via HYEIN

ILS Z 06L	NO STAR (MATIZ x)	OSPOT (JIKJI tx)	TU761 / BAKJO (STAR 안춤)
ILS Z 24R	NO STAR (MATIZ x)	OSPOT (HYEIN tx)	HYEIN (STAR 안춤)
HUD	06L(166')	9003'	24R(182')
	06R(173')	9003'	24L(191')
FIX			

06L : B3 (6443'), A3 (8786')

24R : C3 (6230'), D3 (8825')

GS fluc' - A/P Dis' – Back to Normal – A/P Reengage

Req full length Landing (Vacate End of RWY)

180 BACK LINE 지나 Taxi Line 있음

Entering TWY A3, B3, B4, C3, D3 change GND freq

RKTU(CJJ) 192ft

KE CJJ 129.05
NO DCL, ATIS

RKPC(CJU) 119ft

KE CJU 129.4

CJJ : SID (NADP 1)

06L

CJJ xD

060

060

6000

060

24R

CJJ xD

240

240

6000

240

(06L : BUKIL 1, 2 RNAV)

(24R : OLREG 1, UPTIL 1)

CHO 109.0

06L 110.3

24R 111.7

06L/R : CHO /1.7, R235

24L/R : None

HUD

06L(166')

9003'

24R(182')

06R(173')

9003'

24L(191')

Upslope from Apron to RWY

Entering TWY A3, B3, B4, C3, D3 change TWR freq

Home

CJU : STAR

AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07

DOTOL xP

YUMIN

DOTOL 160

ILS Z 25

DOTOL xT

DUKAL

DOTOL/-10 160

HUD

07(87')

10433'

25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x)

HST 40KTS

RKPC(CJU) 119ft RKTN(TAE) 120ft

KE CJU 129.4

DCL -10분

KE TAE 129.2

CJU : SID (NADP 1)

07	AKPON xE	066	066	9000	066
25	AKPON xW	246	246	ATC	246
YDM 109.0		07 109.9		25 111.3	
07 : NONE			25 : YDM246/3, R290		
HUD	07(87')	10433'		25(77')	

07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



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TAE : NO STAR (TL 140 확인)

ILS 31L	TGU/-10	CF31L222/7	CF31L
ILS 13R	TGU/-10	YAWAN	
HUD	31L(118')	9039'	13R(111') 3.3
	31R(120')	8999'	13L(112')
FIX			

31L : D1(8848'), 13R : A1(8772')

13R ILS 3.3도 PAPI 3.3도 (산악지형 주의)

TAXI MAX 20kts (do not req) 최소 2000ft 간격

RKTN(TAE) 120ft RKPC(CJU) 119ft

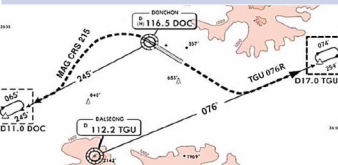
KE TAE 129.2
NO DCL

KE CJU 129.4

TAE : SID (NADP 1)

31L/R	DAEGU xD	312	312	8000	192
13L/R	DAEGU xD	132	132	8000	192
DOC 116.5		TGU 112.2		31L 108.7	13R 108.7
31 : DOC 245/11 DOC R245			13 : TGU076/17 TGU R076		
HUD	31L(118')		9039'	13R(112') 3.3	
	31R(120')		8999'	13L(112')	

TAXI MAX 20kts (do not req) 최소 2000ft 간격



Home

CJU : STAR

AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07	UPGOS xP	YUMIN	
ILS Z 25	UPGOS xT	DUKAL	
HUD	07(87')	10433'	25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675, STOP X
HST 40KTS

RKPC(CJU) 119ft RKPK(PUS) 13ft

KE CJU 129.4

DCL -10분

KE Gimhae 129.2

CJU : SID (NADP 1)

07	AKPON xE	066	066	9000	066
25	AKPON xW	246	246	ATC	246
YDM 109.0		07 109.9		25 111.3	
07 : NONE			25 : YDM246/3, R290		
HUD	07(87')	10433'		25(76')	

07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



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PUS : STAR (Tail Wind 36R 136000lbs F40)

ILS 36	KEVOX x	ANROD	9DME LG, 8DME FLAP
VOR 18	GAYHA x	ANROD	<u>18 Circling Click!!</u>
HUD	36L(13') 10499' 36R(8') 8999'		18R(13') 8530' 18L(13') 8999'
FIX	36 : IKMA/IKHE /9, /8		18 : KMH R283, R280

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339')
18R : C6(5770'), C7 (6824') / 18L : E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS
C2 HOLD SHORT 가까움(Vacate TaxiSPD)

RKPK(PUS) 13ft	RKPC(CJU) 119ft
KE Gimhae 129.2 DCL -5분	KE CJU 129.4

PUS : SID (Mod NADP CLB2 1000, 14000 MAX)

36	SOORO x TOPAX tx	305	280	ATC	278
18	BULIM x ENGOT tx	182	182	5000	182
KMH 113.8		PSN 114.0	36L 108.5	36R 109.5	

36 : KMH R091, R271, R185

HUD	36L(13') 10499' 36R(8') 8999'	18R(13') 8530' 18L(13') 8999'
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RWY36 400ft Man L/H turn, Max Taxi SPD 20KTS



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CJU : STAR
AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07	UPGOS xP	YUMIN	
ILS Z 25	UPGOS xT	DUKAL	
HUD	07(87')	10433'	25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)
25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675, STOP X
HST 40KTS

RKPK(PUS) 13ft

KE Gimhae 129.2

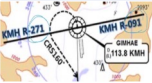
DCL -5분

RJAA(NRT) 135ft

KE Tokyo 131.7

PUS : SID (Mod NADP CLB2 1000, 14000 MAX)

36	SOORO x PSN tx	305	280	ATC	162
18	BULIM x PSN tx	182	182	5000	182
KMH 113.8		PSN 114.0	36L 108.5	36R 109.5	
36 : KMH R091, R271, R185					
HUD	36L(13') 10499' 36R(8') 8999'		18R(13') 8530' 18L(13') 8999'		
RWY 36 400ft Man L/H turn, Max Taxi SPD 20KTS					



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DEP 125.5 – TGU 125.37

FUK 133.15 – TKO 133.8 – 133.02 – 132.45 –124.1

TKO 128.2 – TKO APP 124.4

NRT HAKKA 330,YAGAN 240,LIVET 210,SWAMP 150

Prepare Holding or RWY CHG

34L/R	SWAMP E (SWAMP T)	ELGAR (TYLER)	ILS 34L/R(Z)
16L/R	SWAMP G (SWAMP N)	GEMIN (NORMA)	ILS Z 16L/R
HUD	16L(135')	8202'	34R(141')
	16R(130')	13123'	34L(139')
FIX	16L : ITM 4 / 34R : ITJ 14, 4 (DME) 16R : IKF 4 / 34L : IYQ 12, 4 (DME)		

16L : B6(6433'), B7(7017'), 34R : B4(5849'), B2(6778')

16R : A6(6076'), A7(7624'), 34L : A5(6167'), A4(7641')

L/D DOWN before 14/12 DME, L/D FLAP 4 DME

Arrival Taxi RTE in Jeppesen (No Numbering)

RJAA(NRT) 135ft RKPK(PUS) 13ft

KE Tokyo 131.70

DCL -15분

KE Gimhae 129.2

NRT : SID – ENPAR tx (NADP 1)

16L/R	TETRA x ENPAR tx	157	157	ATC	157
34L/R		337	337	7000/ATC	337
NRE 117.9	16L 110.7	16R 111.5	34L 111.9	34R 110.9	
HUD	16L(135')	8202'	34R(141')		
	16R (130')	13123'	34L (139')		

34R : CLB 220/10000, A4R21/22/23 220KTS 확인

Verity ENPAR tx TETRA 12000A

APU Start, TAXI RTE 1, 2, 3, 4 RWY 별 DEP RTE

DEP 124.2

TKO 120.5 – 133.45 – 133.02 – 133.8

FUK 133.15

TGU 125.37

APP 125.5

Home

PUS : STAR (Tail Wind 36R 136000lbs F40)

ILS 36	PEDLO x	KALEK	9DME LG, 8DME FLAP
VOR 18	GAYHA x	PSN	<u>18 Circling Click!!</u>
HUD	36L(13') 10499' 36R(8') 8999'		18R(13') 8530' 18L(13') 8999'
FIX	36 : IKMA/IKHE /9, /8		18 : KMH R283, R280

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339')
18R : C6(5770'), C7 (6824') / 18L : E4(5882'), E5(8792')

Vacate C3,C4 by ATC only. Max Taxi SPD 20KTS
C2 HOLD SHORT 가까움(Vacate TaxiSPD)

RKSI(ICN) 23ft

RKPK(PUS) 13ft

KE ICN 131.5

DCL -10분 TOBT 5분 차이시
CTC Comm

KE Gimhae 129.2

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	OSPOT xE/A	333	333	5500/ ATC	333
34L/R	OSPOT xY	333	333	ATC	333
15L/R	OSPOT xC	153	153	5000	153
16L/R	OSPOT xH	153	153	5000	153
NCN 113.8	33L 109.3	33R 108.9	15L 111.9	15R 109.1	
WNG 112.9	34L 109.95	34R 108.1	16L 110.35	16R 108.55	
33L/R : NC05L/R, R242 YJU R271		34L/R : WNG333/4.6, R242 YJU R271			
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')		
	34R (23')	13123'	16L (23')		

Parallel TWY 10KTS 이상(R17 MAX 15kts)

Home

PUS : STAR (Tail Wind 36R 136000lbs F40)

ILS 36	KEVOX x	MASTA	9DME LG, 8DME FLAP
VOR 18	GAYHA x	MASTA	<u>18 Circling Click!!</u>
HUD	36L(13') 10499' 36R(8') 8999'	18R(13') 8530' 18L(13') 8999'	
FIX	36 : IKMA/IKHE /9, /8		18 : KMH R283, R280

36L : C4 (6299'), C2(7795') / 36R : E3(5866'), E2(7339')
18R : C6(5770'), C7 (6824') / 18L : E4(5882'), E5(8792')Vacate C3,C4 by ATC only, Max Taxi SPD 20KTS
C2 HOLD SHORT 가까움(Vacate TaxiSPD)

RKPK(PUS) 13ft			RKSI(ICN) 23ft		
KE Gimhae 129.2 DCL -5분			KE ICN 131.5		
PUS : SID (Mod NADP CLB2 1000, 14000 MAX)					
36	SOORO x KALOD tx	305	280	ATC	342
18	GIMHAE x	182	182	5000	182
KMH 113.8		PSN 114.0	36L 108.5	36R 109.5	
36 : KMH R091, R271, R185					
HUD	36L(13') 10499' 36R(8') 8999'		18R(13') 8530' 18L(13') 8999'		
RWY 36 400ft Man L/H turn, Max Taxi SPD 20KTS					

Home

ICN : STAR			
ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		
33R : C4(7529'), C5(8513'), 33L : B4(7463'), B5(8513') 15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')			
34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507') 16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')			
8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO			

RKSI(ICN) 23ft**RJBB(KIX) 17ft**

KE ICN 131.5

DCL -10분 TOBT 5분 차이시
CTC Comm

KE KIX 130.95

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	EGOBA xE/A	333	333	5500/ ATC	333
34L/R	EGOBA xY	333	333	ATC	333
15L/R	EGOBA xC	153	153	5000	153
16L/R	EGOBA xH	153	153	5000	153

NCN 113.8	33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9	34L 109.95	34R 108.1	16L 110.35	16R 108.55

33L/R : NC05L/R, R242
YJU R27134L/R : WNG333/4.6, R242
YJU R271

HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R (23')	13123'	16L (23')

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15 – TGU 134.17 – TKO 133.8KIX RDR 120.85KIX APP 120.25**Home**

KIX : STAR (SAEKI 170, RANDY 150)

06L	ALISA B	BERRY	ILS Y 06L
06R	ALISA A	ALLAN	ILS Y 06R
24L/R	ALISA C	MAYAH	ILS Z 24L/R
HUD	06L(15')	13123'	24R(23')
	06R(5')	11483'	24L(12')

06L : B8(5160'), B6(6751'), 24R : B7(5318'), B9(6751')

06R : A7(5137'), A6(6938'), 24L : A8(5269'), A9(6976')

RWY06 : After 2500ft L/G DN, After 1500ft L/D FLAP
TAXI RTE 1, 2

RJBB(KIX) 17ft

KE KIX 130.95
DCL -15분

RKSI(ICN) 23ft

KE ICN 131.5

KIX : SID – SOUJA tx (NADP 1)

06L/R	HELEN x - SOUJA tx	058	058	ATC (9000)	058
24L/R		238	238	ATC (9000)	238
KIE 111.6	06L 108.7	06R 108.1	24L 110.7	24R 108.5	
HUD	06L(15')	13123'	24R(23')		
	06R (5')	13123'	24L (12')		

APU Start, TAXI RTE 1, 2

DEP 119.2

TKO 132.7 – 133.8

TGU 120.57

APP 119.75

Home


ICN : STAR

ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')
15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')
16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft			RJAA(NRT) 135ft		
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm			 KE Tokyo 131.70		
ICN : SID (33/34 NADP 1, 15/16 NADP 2)					
33L/R	EGOBA xE/A	333	333	5500/ ATC	333
34L/R	EGOBA xY	333	333	ATC	333
15L/R	EGOBA xC	153	153	5000	153
16L/R	EGOBA xH	153	153	5000	153
NCN 113.8		33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9		34L 109.95	34R 108.1	16L 110.35	16R 108.55
33L/R : NC05L/R, R242 YJU R271			34L/R : WNG333/4.6, R242 YJU R271		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	
Parallel TWY 10KTS 이상(R17 MAX 15kts)					
DEP 125.15 – TGU 134.17 – TKO 124.15 – 132.02 TKO 124.1– 128.2 – TKO APP 124.4 – 120.2					
Home					
NRT : HAKKA 330,YAGAN 240,LIVET 210,SWAMP 150					
34L/R	SWAMP E (SWAMP T)	ELGAR (TYLER)		ILS 34L/R(Z)	
16L/R	SWAMP G (SWAMP N)	GEMIN (NORMA)		ILS Z 16L/R	
HUD	16L(135')		8202'	34R(141')	
	16R(130')		13123'	34L(139')	
FIX	16L : ITM 4 / 34R : ITJ 14, 4 (DME) 16R : IKF 4 / 34L : IYQ 12, 4 (DME)				
16L : B6(6433'), B7(7017'), 34R : B4(5849'), B2(6778') 16R : A6(6076'), A7(7624'), 34L : A5(6167'), A4(7641')					
L/D DOWN before 14/12 DME, L/D FLAP 4 DME Arrival Taxi RTE in Jeppesen (No Numbering)					

RJAA(NRT) 135ft

RKSI(ICN) 23ft

KE Tokyo 131.70 DCL -15분	KE ICN 131.5
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NRT : SID – ENPAR tx (NADP 1)

16L/R	TETRA x ENPAR tx	157	157	ATC	157
34L/R		337	337	7000/ATC	337
NRE 117.9	16L 110.7	16R 111.5	34L 111.9	34R 110.9	
HUD	16L(135')	8202'	34R(141')		
	16R (130')	13123'	34L (139')		

34R : CLB 220/10000, A4R21/22/23 220KTS 확인

Verity ENPAR tx TETRA 12000A

APU Start, TAXI RTE 1, 2, 3, 4 RWY 별 DEP RTE

DEP 124.2

TKO 120.5 – 133.45 – 133.02 – 133.8

TGU 120.57

APP 119.75

Home

ICN : STAR

ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft			RJCC(CTS) 70ft		
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm			Chitose Oper 132.05		
ICN : SID (33/34 NADP 1, 15/16 NADP 2)					
33L/R	EGOBA xE/A	333	333	5500/ ATC	333
34L/R	EGOBA xY	333	333	ATC	333
15L/R	EGOBA xC	153	153	5000	153
16L/R	EGOBA xH	153	153	5000	153
NCN 113.8		33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9		34L 109.95	34R 108.1	16L 110.35	16R 108.55
33L/R : NC05L/R, R242 YJU R271			34L/R : WNG333/4.6, R242 YJU R271		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	
Parallel TWY 10KTS 이상(R17 MAX 15kts)					
DEP 125.15 – TGU 134.17 – TKO 124.15 – 133.02 – 132.3					
SPR 133.3 –119.3					
CTS APP 120.1				Home	
CTS : STAR (19R for CAT III)					
01R	YOTEI SOUTH (YUKII WEST)	YOTEI not YOSEI		ILS Y/Z 01R	
19L	NAVER(170) YUNEY SOUTH (KAORY A)	KAORY YUNEY (KAORY)		ILS Z 19L	
HUD	01R(57') 01L(62')		9843'	19L(77') 19R(82')	
01R : B4(5278'), B3(7047'), 19L : B8(5177'), B9(7119') 01L : A5(5538'), A4(6961'), 19R : A7(5390'), A8(6873')					
Do not Cross 01L/19R After L/D (No TWY) TAXI to Gate Via D(J) or G					

RJCC(CTS) 70ft

RKSI(ICN) 23ft

Chitose Oper 132.05

NO DCL -5분

KE ICN 131.5

CTS : SID (NADP 1)

ALL	DALBI x SUVIT x SOSHU x	002	002	ATC	002
		182	182	ATC	182
CHE		01R	19L	01L	19R
116.9		110.75	109.35	110.9	111.5
HUD	01R(57')	9843'	19L(77')	19R(82')	
	01L(62')				

APU, Deicing at the Gate

R/H turn DCT to HWE -> Confirm R/H Turn ND

DEP 124.7

SPR 119.3 – TKO 132.3 – 132.45 – 133.8

TGU 120.57

APP 119.75

Home

ICN : STAR

ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, **HIRO**

RKSI(ICN) 23ft

RJTT(HND) 21ft

KE ICN 131.5

DCL -10분 TOBT 5분 차이시
CTC Comm

Delta Oper 132.075

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	EGOBA xE/A	333	333	5500/ ATC	333
34L/R	EGOBA xY	333	333	ATC	333
15L/R	EGOBA xC	153	153	5000	153
16L/R	EGOBA xH	153	153	5000	153

NCN 113.8	33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9	34L 109.95	34R 108.1	16L 110.35	16R 108.55

33L/R : NC05L/R, R242
YJU R271

34L/R : WNG333/4.6, R242
YJU R271

HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R (23')	13123'	16L (23')

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15 – TGU 134.17 – TKO 133.8 – 133.55 – 123.9

TKO 133.35

TKO APP 119.1 – 119.65

Home

HND : SPENS 220 (Primary STAR, APP)

34L	OSHIMA xK	KAIHO	ILS X
22	OSHIMA xB	BACON	LDA W(RNVW 22)
16R	OSHIMA R	NATTY	RNP (R16RT)
23	-	DANON	LDA W(RNVW 23)
HUD	34L(18') 9843'		16R(77') 8268'
	34R(21') 9843'		16L(19') 9744'
	22(35') 8202'		23(55') 8202'

34L : L12(6515'), L13(7165'), 22 : B4(6207'), B3(6830')
16R : L5(5147'), L3(6361'), 23 : D5(5072'), D3(6391')

180kts, 160kts limit APP Chart, GND Freq 차트 있음

RJTT(HND) 21ft

RKSI(ICN) 23ft

Delta Oper 132.075

DCL -15분

KE ICN 131.5

HND : SID – NADP 1

ALL	BEKLA x OPPAR x		RWY H/D	RWY CRS	ATC	RWY H/D
HME	34L	16R	34R	16L	22	23
112.2	111.7	111.55	108.9	111.95	108.1	110.5

HUD	34L(18') 9843'			16R(77') 8268'		
	34R(21') 9843'			16L(19') 9744'		
	22(35') 8202'			23(55') 8202'		

34L : HME 351/1.1, R095, 34R : HME R080, R095, 22 :
HME /2.2 R185

34R BEKLA : KAIJI 230kts, TORAM Flap5 SPD
16L : BEKLA : PLUTO 230kts



DEP 120.8

TKO 120.5 – 132.45 – 133.02 – 133.8

TGU 120.57

APP 119.75

Home

ICN : STAR

ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')
15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')
16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, **HIRO**

RKSI(ICN) 23ft**RJGG(NGO) 12ft**

KE ICN 131.5

DCL -10분 TOBT 5분 차이시

CTC Comm

SWISSPORT

OPERATION 132.05

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	EGOBA xE/A	333	333	5500/ ATC	333
34L/R	EGOBA xY	333	333	ATC	333
15L/R	EGOBA xC	153	153	5000	153
16L/R	EGOBA xH	153	153	5000	153
NCN 113.8	33L 109.3	33R 108.9	15L 111.9	15R 109.1	
WNG 112.9	34L 109.95	34R 108.1	16L 110.35	16R 108.55	
33L/R : NC05L/R, R242 YJU R271		34L/R : WNG333/4.6, R242 YJU R271			
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')		
	34R (23')	13123'	16L (23')		

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15TGU 134.17 – TKO 133.8 – 133.02센트레아 APP – 121.05**Home****NGO : STAR (SAMON 290, MARIA 130)**

36	CHESS(CARDS) SOUTH	PROBE	ILS Z 36
18	CHESS(CARDS) NORTH	QUEST	ILS Z 18
HUD	36(15')	11483'	18(15')

36 : A6(5213'), A7(6525'), A8(7837')

18 : A5(5393'), A4(6528'), A3(7841')

RWY36 : After 1500ft L/D FLAP

RWY 18 : After 3000ft L/G DN & L/D FLAP

Caution Stop line, Yellow Ramp line, VDGS!!!

RJGG(NGO) 12ft	RKSI(ICN) 23ft
SWISSPORT OPERATION 132.05 DCL -15분	KE ICN 131.5

NGO : SID – TANGO tx (NADP 1)					
36	OUMI x - TANGO tx	356	356	ATC (7000)	356
18		176	176	ATC (7000)	176
CBE 117.8		18 109.7		36 111.9	
HUD	36(15')	11483'		18(15')	
APU Start 30min, Prepare Intersection T/O					

DEP 120.0

TKO 133.55 – 133.8 – TGU 120.52

APP – 119.75

Home

ICN : STAR			
ILS 33/34	GUKDO xE	ENPIL	GUKDO 180
ILS 15/16	GUKDO xH	MUNAN	GUKDO 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')
15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')
34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')
16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')
8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSS(GMP) 59ft ZSSS(SHA) 10ft

KE GMP 131.15
DCL -15분 가능 TOBT 5분 차이
시 CTC Comm

China Eastern 131.5



Rwy 32R **Takeoff**

(06:00L~0900L / 12:00L~15:00L
/18:00L~21:00L)

GMP : SID (NADP 1)

32L/R	BULTI xT	324	324	5000	324
	(BULTI xQ)	324	324	5000	324
14L/R	BULTI xU	144	144	6000	144
	(BULTI xZ)	144	144	6000	144
KIP 113.6	32L 108.3	32R 110.7	14L 109.9	14R 108.7	

32L/R : KIP324/5, R220
YJU R271

14L/R : KIP144/4, R220
P73 /2

HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')

APRON(130.875) -> GND(121.9) -> TWR (All by ATC)



CJU 124.52

SHA 120.95

SHA APP - 125.625 - 125.4 - 126.65

Home

SHA : STAR

SPD Rest From IAF(210kts), 180kts, 160kts

ILS Z 18L	PUD 61A	SS204	above 2960ft PUD QRH Below 2960ft SHA QRH
ILS Z 36R	PUD 71A	SS405	
HUD	18L(6')	10499'	36R(9')

18L: A3(6555'), A4(7578') 36R: A2(5738'), A1(7089')

Traffic PTN West of RWY, Landing East RWY Normally

Des 550m (1800ft)

L08, L09 not available B737

Shall CTC Apron Before Entering

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZSSS(SHA) 10ft**RKSS(GMP) 59ft**

China Eastern 131.5

DCL -20분, READ BACK!

KE GMP 131.15

Rwy 32L **Landing**

(06:00L~0900L / 12:00L~15:00L

/18:00L~21:00L)

**SHA : SID (NADP 1)****N DEP Freq : 126.65 South DEP : 121.10 (without ATC)**

18R	LAMEN 61D	183	183	3000 (900m)	183
36L	LAMEN 73D	003	003	3000 (900m)	003
	LAMEN 71D	003	003	3000 or 4900	003
SHA 117.2		18L 111.3		36R 110.3	
HUD	18R (9')		10827'		36L (76')

RWY 36L LAMEN 71D : L/H Turn Below 200m(660ft) in DCL
DEP 121.1SHA APP 125.4 – 125.625 – SHA 120.95ICN 125.725 – 124.52APP – 119.75**Home****GMP : STAR**

ILS 32L/R	OLMEN xT	BUMSI	OLMEN 160
ILS 14R	OLMEN xU	DOKDO	OLMEN 160
HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')
FIX	KIP /8(RWY 32), YJU R271, P73 /2		

32L : D3(6532'), E2(9117'), 32R : E1(6614')**14R : C1(6578')**

32L/R : 8 KIP L/G, 14R : LOC CAPT L/G

FAF : Final Flap

TWR -> GND -> APRON (All by ATC)

Except RWY14R Landing (Until R)

RKSS(GMP) 59ft RJBB(KIX) 17ft

KE GMP 131.15
DCL -15분 가능 TOBT 5분 차이
시 CTC Comm

KE KIX 130.95



Rwy 32R **Takeoff**

(06:00L~0900L / 12:00L~15:00L
/18:00L~21:00L)

GMP : SID (NADP 1)

32L/R	EGOBA xT	324	324	5000	324
	(EGOBA xQ)	324	324	5000	324
14L/R	EGOBA xU	144	144	6000	144

KIP
113.6

32L
108.3

32R
110.7

14L
109.9

14R
108.7

32L/R : KIP324/5, R220
YJU R271

14L/R : KIP144/4, R220
P73 /2

HUD

32L(41')

10499'

14R(34')

32R(42')

11811'

14L(38')

APRON(130.875) -> GND(121.9) -> TWR (All by ATC)



DEP 125.15 – TGU 134.17 – TKO 133.8

KIX RDR 120.85

KIX APP 120.25

Home

KIX : STAR (SAEKI 170, RANDY 150)

06L	ALISA B	BERRY	ILS Y 06L
06R	ALISA A	ALLAN	ILS Y 06R
24L/R	ALISA C	MAYAH	ILS Z 24L/R
HUD	06L(15')	13123'	24R(23')
	06R(5')	11483'	24L(12')

06L : B8(5160'), B6(6751'), 24R : B7(5318'), B9(6751')
06R : A7(5137'), A6(6938'), 24L : A8(5269'), A9(6976')

RWY06 : After 2500ft L/G DN, After 1500ft L/D FLAP
TAXI RTE 1, 2

RJBB(KIX) 17ft**RKSS(GMP) 59ft**

KE KIX 130.95

DCL -15분

KE GMP 131.15

Rwy 32L **Landing**

(06:00L~0900L / 12:00L~15:00L

/18:00L~21:00L)

**KIX : SID – SOUJA tx (NADP 1)**

06L/R	HELEN x - SOUJA tx	058	058	ATC (9000)	058
24L/R		238	238	ATC (9000)	238
KIE 111.6	06L 108.7	06R 108.1	24L 110.7	24R 108.5	
HUD	06L(15')	13123'	24R(23')		
	06R (5')	13123'	24L (12')		

APU Start, TAXI RTE 1, 2

[DEP 119.2](#)[TKO 132.7 – 133.8](#)[IGU 120.57](#)[APP 119.75](#)**Home****GMP : STAR**

ILS 32L/R	GUKDO xT	BUMSI	OLMEN 160
ILS 14R	GUKDO xU	DOKDO	OLMEN 160
HUD	32L(41')	10499'	14R(34')
	32R(42')	11811'	14L(38')
FIX	KIP /8(RWY 32), YJU R271, P73 /2		

32L : D3(6532'), E2(9117'), 32R : E1(6614')**14R : C1(6578')**

32L/R : 8 KIP L/G, 14R : LOC CAPT L/G

FAF : Final Flap

TWR -> GND -> APRON (All by ATC)

Except RWY14R Landing (Until R)

RKPC(CJU) 119ft **ZBAA(PEK) 116ft**

KE CJU 129.4

DCL -10분

Air China Beijing

132.0

CJU : SID (NADP 1)

07	LIMDI xE	066	066	9000	066
----	----------	-----	-----	------	-----

25	KAMIT xW	246	246	ATC	246
----	----------	-----	-----	-----	-----

YDM 109.0	07 109.9	25 111.3
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07 : NONE

25 : YDM246/3, R290

HUD	07(87')	10433'	25(76')
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07 : Passing G4 CTC TWR

25 : 31 Holding PSN on P, E1,2,3 CTC TWR



Home

DEP 121.2 – TGU 124.52 – 120.72 – 126.17 – 132.8

DLC 132.95 – TAO 133.72 – 128.15 – PEK 125.6

PEK APP 120.6 – Final 119.0

PEK : STAR (RW01/19 main (RW36L/18R))

01(36L)	DUMAP xZA	AA421	ILS Z 01(Y 36L)
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19(18R))	DUMAP xZA	AA521	ILS Z 19(Y 18R)
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HUD

01(84') 12467' 19(94') 3.2도

36L(107') 10499' 18R(115')

FIX : RWxx /8(180kts), /6(160kts) TMA Max 280kts

01 : Q5(5223'), Q6(7024'), 19 :Q4(5298'), Q3(7103')

36L : P6(6276'), P7(7719'), 18R : P3(6223'), P2(7552')

APU off Procedure (GND Air Cond' & GPU)

Standard TAXI RTE in Jeppesen Chart

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZBAA(PEK) 116ft | RKPC(CJU) 119ft

Air China Beijing 132.0
DCL 30분전, Voice 10분전
(COBT/STD 15분 차이 CTC
Comm)



KE CJU 129.4

PEK : SID (NADP 1) **RW36R/18L Intersec T/O W2, W7**

36R (01)	MUGLO xWD(xYD)	359	359	ATIS/DCL	359
18L (19)	MUGLO xZD(xYD)	179	179	ATIS/DCL	179
PEK 114.7	36R 111.55	18L 109.3	01 108.5	19 108.9	

36R : PEK 325/11, 36L : PEK 326/13, 01 : PEK 323/9 R124

HUD	36R(98') 01(84')	12467'	18L(110') 19(94')
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COBT from ATIS "Enroute", Bad Wx DOTRA SID



DEP 124.4

PEK APP 120.6 – PEK 125.6

DLC 123.2 – 132.95

ICN 132.8 – 126.17 – 120.72

124.52 – APP 119.75

Home

CJU : STAR

AFT Merge PT(220kts) DCT IAF(210kts), FAF (160kts)

ILS Z 07	LIMDI xP	YUMIN	
ILS Z 25	LIMDI xT	DUKAL	
HUD	07(87')	10433'	25(76')

07 : P6(5176'), P5(5882'), P4(6840'-ATC HIRO)

25 : P7(5219'), P8(5882'), P10(7524'-ATC HIRO)

Entering Rapid TWY CTC GND 121.675 (STOP x)
HST 40KTS

RKSI(ICN) 23ft

KE ICN 131.5

DCL -10분 TOBT 5분 차이시

CTC Comm

ZSNJ(NKG) 49ft

None

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	BOPTA xA	333	333	ATC	333
34L/R	BOPTA xY	333	333	ATC	333
15L/R	BOPTA xC	153	153	5000	153
16L/R	BOPTA xH	153	153	5000	153
NCN		33L	33R	15L	15R
113.8		109.3	108.9	111.9	109.1
WNG		34L	34R	16L	16R
112.9		109.95	108.1	110.35	108.55
33L/R : NC05L/R, R242 YJU R271			34L/R : WNG333/4.6, R242 YJU R271		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15 – TGU 126.17 – 120.72 – 124.52(125.72)

SHA 120.95 – 120.55 – 125.95 – 119.075

NKG APP 126.55 – 119.25

Home

NKG : STAR ('D' N31 34.0 E118 42.1 – R101, R289)

07 (06)	ESB 71F/21A (ESB 61F/11A)	SNQ	ILS Z 07 (ILS Z 06)
25 (24)	ESB 52F/22A (ESB 42F/12A)	NJ210	ILS Z 25 (ILS Z 24)
HUD	07(41') 11811' 25(39')		
	06(43') 11811' 24(38')		

07 : D5(6499'), D6(7582'), 25 : D2(6505'), D1(7582')

06 : A5(6614'), A6(7860'), 24 : A3(6637'), A9(7864')

IAF, Missed App SPD APP : 210kts or 205kts

Follow Me Car on C 13, APU off Procedure

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZSNJ(NKG) 49ft

RKSI(ICN) 23ft

None
DCL 가능, READ BACK!

KE ICN 131.5

NKG : SID (NADP 1)
(ATC Hold Expected Fuel Add!!)

06 (07)	ESB 61X/11D (ESB 71X/21D)	064	064	3000 (900m)	064
24 (25)	ESB 42X/12D (ESB 52X/22D)	244	244	3000 (900m)	244
NJL 113.6		07 108.7	25 111.3	06 110.3	24 110.9
HUD	06(43') 07(41')		11811'		24(38') 25(39')

APU Start, TUG Connect After Beacon L/T ON

DEP 119.25

NKG APP 126.55

SHA 119.075 – 125.95 – 120.55 – 120.95

ICN 125.725(124.52) – 120.72 – 126.17

APP – 119.75

Home

ICN : STAR

ILS 33/34	OLMEN xE	ENPIL	OLMEN 180
ILS 15/16	OLMEN xH	MUNAN	OLMEN 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft			ZSQD(TAO) 30ft		
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm			None		
ICN : SID (33/34 NADP 1, 15/16 NADP 2)					
33L/R	NOPIK xA	333	333	ATC	333
34L/R	NOPIK xY	333	333	ATC	333
15L/R	BINIL xC	153	153	5000	153
16L/R	BINIL xH	153	153	5000	153
NCN 113.8		33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9		34L 109.95	34R 108.1	16L 110.35	16R 108.55
33L/R : NC05L/R, R242 P518 R068, R278			34L/R : WNG333/4.6, R242 P518 R068, R278		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	
Parallel TWY 10KTS 이상(R17 MAX 15kts)					
DEP 125.15 – TGU 132.8 – DLC 132.95					
TAO 134.85 – 133.72 – 134.85					
TAO APP 124.6 – 119.4					
Home					
TAO : STAR (AVBIK R014 - LAROP R159 동쪽 금지)					
35(34)	LAT 91A/01A	JD405	ILS Z 35(34)		
17(16)	LAT 81A/11A	JD305	ILS Z 17(16)		
HUD	35(27')		11811'	17(29')	
	34(27')		11811'	16(27')	
FIX : AVBIK R014, LAROP R159 (두점 연결)					
35 : S2(5255'), S4(6624'), 17 : S1(5282'), S3(6604')					
34 : R2(5278'), R4(6650'), 16 : R1(5318'), R3(6706')					
위 Vacate Point 불가시 TWR 보고 Follow Me Car on Lxx, APU off Procedure					

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

TL
TA

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

RKSI(ICN) 23ft	ZBAA(PEK) 116ft
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm	Air China Beijing 132.0

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	NOPIK xA	333	333	ATC	333
34L/R	NOPIK xY	333	333	ATC	333
15L/R	BINIL xC	153	153	5000	153
16L/R	BINIL xH	153	153	5000	153

NCN 113.8	33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9	34L 109.95	34R 108.1	16L 110.35	16R 108.55

33L/R : NC05L/R, R242 P518 R068, R278	34L/R : WNG333/4.6, R242 P518 R068, R278
------------------------------------------	---------------------------------------------

HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R (23')	13123'	16L (23')

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15 – TGU 132.8 – DLC 132.95
TAO 133.72 – 128.15 – PEK 125.6
PEK APP 120.6 – Final 119.0

Home

PEK : STAR (RW01/19 main (RW36L/18R))

01(36L)	DUMAP xZA	AA421	ILS Z 01(Y 36L)
19(18R))	DUMAP xZA	AA521	ILS Z 19(Y 18R)
HUD	01(84')	12467'	19(94') 3.2도
	36L(107')	10499'	18R(115')

FIX : RWxx /8(180kts), /6(160kts) **TMA Max 280kts**

01 : Q5(5223'), Q6(7024'), 19 :Q4(5298'), Q3(7103')
36L : P6(6276'), P7(7719'), 18R : P3(6223'), P2(7552')

APU off Procedure (GND Air Cond' & GPU)
 Standard TAXI RTE in Jeppesen Chart

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZYTX(SHE) 198ft

RKSI(ICN) 23ft

China Southern Dispatch 131.5 DCL 가능, 5분전 READ BACK! (Voice 10분전)	KE ICN 131.5
----------------------------------------------------------------------------	--------------

SHE : SID (NADP 1) A2, A8 Intersec T/O by ATC

06	TOSID 61,62D	056	056	ATC/DCL	056
24	TOSID 71,72D	236	236	ATIS/DCL	236
SEY 114.1	06 110.5			24 110.3	
HUD	06(170')		10499'		24(198')

Follow FollowMe Car Until HPxx

Be Careful “Hold short CAT I Hold line”

Maintain Present TRK/HDG Join A588(CRS 217)

Offset R3 → Active Fix DCT and EXE again!!

CTC APP without TWR Instruction

APP 119.825 – 125.55

DLC 134.325 – 135.65

DLC 132.95

ICN 132.8 – APP 119.75

Home

ICN : STAR

ILS 33/34	REBIT xA	PAMBI	REBIT 170
ILS 15/16	REBIT xH	MUNAN	REBIT 170
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , P518 R068, R278		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft

ZSPD(PVG) 13ft

KE ICN 131.5

DCL -10분 TOBT 5분 차이시

CTC Comm

China Eastern

130.5

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	BOPTA xA	333	333	ATC	333
34L/R	BOPTA xY	333	333	ATC	333
15L/R	BOPTA xC	153	153	5000	153
16L/R	BOPTA xH	153	153	5000	153

NCN	33L	33R	15L	15R
113.8	109.3	108.9	111.9	109.1
WNG	34L	34R	16L	16R
112.9	109.95	108.1	110.35	108.55

33L/R : NC05L/R, R242 YJU R271	34L/R : WNG333/4.6, R242 YJU R271
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HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R (23')	13123'	16L (23')

Parallel TWY 10KTS 이상(R17 MAX 15kts)

DEP 125.15 – TGU 126.17 – 120.72 – 124.52(125.72)
SHA 120.95
SHA APP 125.62(119.975) – 125.4

Home

PVG : STAR (North of ‘PVGNB’, R-276 Prohibited)

34R(L)/35L(R)	DUM 91A/92A	MP2	ILS Z xx
16L(R)/17R(L)	DUM 81A/82A	MP1	ILS Z xx
HUD	34R/L(11'/12')	12467'	16L/R(12'/11')
	35R(10')	13123'	17L10')
	35L(12')	11155'	17R(12')

34R : G4(5603'), G5(6896'), 16L : G3(5577'), G2(6909')
35L : D4(5636'), D5(6932'), 17R : D3(5626'), D2(6942')

Normally DUMET 6000m
Follow Me Car Insight – TAXI L/T off,APU off Procedure

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

TL
TA

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZSPD(PVG) 13ft

RKSI(ICN) 23ft

China Eastern 130.5

KE ICN 131.5

DCL 20분전, No READ BACK!

PVG : SID (NADP 1)

(ATC Hold Expected Fuel Add!!)

34L/R 35R/L	LAM 92D (LAM 91D)	348	348	ATC (900m)	348
16R/L 17L/R	LAM 82D (LAM 81D)	168	168	ATC (900m)	168
PUD 116.9	34R 108.9	35L 108.1		34L 108.3	35R 111.9
	16L 111.5	17R 111.1		16R 108.7	17L 110.7
HUD	34R/L(11'/12')	12467'		16L/R(12'/11')	
	35R(10')	13123'		17L(10')	
	35L(12')	11155'		17R(12')	

APU Start, TUG Connect After Beacon L/T ON

Ready for Intersection T/O

SHA APP 125.4 (Without Instruction)

SHA APP 125.62(119.975)

SHA 120.95

ICN 125.725(124.52) – 120.72 – 126.17

APP – 119.75

Home

ICN : STAR

ILS 33/34	OLMEN xE	ENPIL	OLMEN 180
ILS 15/16	OLMEN xH	MUNAN	OLMEN 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft			ZYYJ(YNJ) 624ft		
KE ICN 131.5 DCL -10분 TOBT 5분 차이시 CTC Comm			None		
ICN : SID (33/34 NADP 1, 15/16 NADP 2)					
33L/R	NOPIK xA	333	333	ATC	333
34L/R	NOPIK xY	333	333	ATC	333
15L/R	BINIL xC	153	153	5000	153
16L/R	BINIL xH	153	153	5000	153
NCN 113.8		33L 109.3	33R 108.9	15L 111.9	15R 109.1
WNG 112.9		34L 109.95	34R 108.1	16L 110.35	16R 108.55
33L/R : NC05L/R, R242 P518 R068, R278			34L/R : WNG333/4.6, R242 P518 R068, R278		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	
Parallel TWY 10KTS 이상(R17 MAX 15kts)					
DEP 125.15 – TGU 132.8 – DLC 132.95 – 135.65 128.77 – SHE 119.3 – 118.9 YNJ TWR 118.75					
Home					
YNJ : RNP STAR (RW09 main for L/D) CHK NAV DATA for Holding Area(Expect Hold Mil Train)					
09	KANVU 09A (OMBAD 09A)		YJ504 Report	ILS Z 09	
27	KANVU 19(18,17)A (OMBAD 19(18)A)		YJ604 Report	ILS Z 27	
HUD	09(621') 8530' 27(597') 3.3도				
FIX : DPRKK(N43 01.6/E129 52.0) R100, R200 RWY27 /12 (Do not overshoot 12DME ARC)					
09 : 180 BACK(8530'), 27 : B(7400'), A (8350')					
Expect Hold Due to Military Training Time(ADD FUEL) PAX Window must closed Between APP and DEP.					

Meter/Feet Conversion Table

☐ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

TL
TA

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

QFE Next Page

[Home](#)

YNJ Altitude / Height Conversion Table	
<div> <div>xxxx meters on STD 이후 적용</div> <div>xxxx meters on QFE xxxx -> REQ QNH</div> <div>-> QNH xxx SET후 Conversion Table 사용</div> <div>YNJ A/P Elevation : 623ft = 22.5hPa</div> </div>	
Height based on QFE (instructed by ATC)	Altitude base on QNH (Set Altitude : QFE + Elev SET)
xxx m on QFE	xxx m plus Elevation Set
3000 m	10500 ft
2700 m	9500 ft
2400 m	8500 ft
2100 m	7500 ft
1800 m	6500 ft
1500 m	5600 ft
1200 m	4600 ft
1100 m	4200 ft
1000 m	3900 ft
850 m	3400 ft
800 m	3200 ft
750 m	3100 ft
550 m	2400 ft
515 m	2300 ft
500 m	2300 ft
425 m	2000 ft
355 m	1800 ft
200 m	1300 ft
100 m	1000 ft
0 m	623 ft

Meter/Feet Conversion Table

❑ China, Mongolia & North Korea

■ FL Conversion

Westbound (180° ~ 359°)	
13100 M	43000 FT
12200 M	40100 FT
11600 M	38100 FT
11000 M	36100 FT
10400 M	34100 FT
9800 M	32100 FT
9200 M	30100 FT
8400 M	27600 FT
7800 M	25600 FT
7200 M	23600 FT
6600 M	21700 FT
6000 M	19700 FT
5400 M	17700 FT
4800 M	15700 FT
4200 M	13800 FT
3600 M	11800 FT
3000 M	9800 FT
2400 M	7900 FT
1800 M	5900 FT
1200 M	3900 FT

Eastbound (360° ~ 179°)	
13700 M	44900 FT
12500 M	41100 FT
11900 M	39100 FT
11300 M	37100 FT
10700 M	35100 FT
10100 M	33100 FT
9500 M	31100 FT
8900 M	29100 FT
8100 M	26600 FT
7500 M	24600 FT
6900 M	22600 FT
6300 M	20700 FT
5700 M	18700 FT
5100 M	16700 FT
4500 M	14800 FT
3900 M	12800 FT
3300 M	10800 FT
2700 M	8900 FT
2100 M	6900 FT
1500 M	4900 FT

TL
TA

■ ALT / HEIGHT Conversion

550M

1800ft

Meter	Feet	Meter	Feet
1000 M	3300 FT	500M	1600FT
900 M	3000 FT	450M	1500FT
800 M	2600 FT	400 M	1300 FT
700 M	2300 FT	350 M	1100 FT
600 M	2000 FT	300 M	1000 FT

Home

ZSHC(HGH) 22ft

RKSI(ICN) 23ft

Hangzhou Reporting Office 130.65 DCL(NO Readback) Voice 10min전	KE ICN 131.5
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HGH: SID (NADP 1)

06/07	OKT, SUP 91D	069	069	3000m (900m)	069
24/25	SUP 81D	249	249	3000m (900m)	249
HGH 113.0	06 110.5	07 110.35	24 111.5	25 108.5	
FIX	24/25 : HGH 249/5.5, R020				
HUD	06(22')	11155'	24(22')		
	07(22')	11811'	25(22')		

APU Start, TUG Connect After Beacon L/T ON
Red/Blue PushBack, Verify RWY & Direction
After T/O, Report T/O RWY

HANGZHOU
113.0 HGH

HGH APP 120.4 – 119.82

SHA APP 119.975

SHA 120.55 – 120.95

ICN 125.725(124.52) – 120.72 – 126.17

Home

ICN : STAR

ILS 33/34	OLMEN xE	ENPIL	OLMEN 180
ILS 15/16	OLMEN xH	MUNAN	OLMEN 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')
15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')
16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

RKSI(ICN) 23ft

KE ICN 131.5

DCL -10분 TOBT 5분 차이시

CTC Comm

VVCR(CXR) 46ft

None

ICN : SID (33/34 NADP 1, 15/16 NADP 2)

33L/R	BOPTA xA	333	333	ATC	333
34L/R	BOPTA xY	333	333	ATC	333
15L/R	BOPTA xC	153	153	5000	153
16L/R	BOPTA xH	153	153	5000	153
NCN		33L	33R	15L	15R
113.8		109.3	108.9	111.9	109.1
WNG		34L	34R	16L	16R
112.9		109.95	108.1	110.35	108.55
33L/R : NC05L/R, R242			34L/R : WNG333/4.6, R242		
YJU R271			YJU R271		
HUD	33L/R 34L(23')		12303'	15L/R 16R(23')	
	34R (23')		13123'	16L (23')	

Parallel TWY 10KTS 이상(R17 MAX 15kts)

FUK 127.5 – TPE 125.5 – 127.9 – 129.1 – MNL 119.3

MNL RDO 8942(5655) – HCM 120.7

132.35 – 134.05 – CXR APP 127.9

Home

CXR : STAR (Wx, Using RWY from HoChiMinh CTL)

RWY20 Max Tail Wind 15kts, chk condition

CAAV STAR, APP not Authorized

20L/R	COTUN, BANKE, HUNTA, NHATA xx	CR xxx	ILS Y 20L RNP 20R	
02R/L			ILS X/Z 02L/R	
HUD	02R(15') 3.5도	10000'	20L(34')	
	02L(20') 3.5도	10010'	20R(46')	

20L : G3(6735'), G1(9603'), 02R : G5(6528'), G7(9662')

20R : W4(5971'), W3(7680'),02L : W5(5606'), W6(7345')

FollowMe Car Service, Sensitie VDGS Caution!!

VVCR(CXR) 46ft

RKSI(ICN) 23ft

None
TWR 118.2 By Voice

KE ICN 131.5

CNX : RNP SID (NADP 1)

Follow Restrictions due to Military Traffic

02L/R

NIHOA xxA

020

020

ATC/FL100

020

20R/L

NIHOA xxB

200

200

ATC/FL100

200

CRA 116.5

02R 111.9

02L 110.7

20L 110.3

02 : CRA 020/2, R090

20 : CRA 200/6, R150

HUD

02L(20') 3.5도

10010'

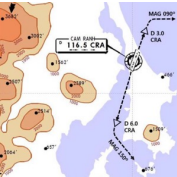
20R(46')

02R(15') 3.5도

10000'

20L(34')

TWY Y5 only below wingspan 36m/118ft



DEP 127.9 – HCM 134.05

DAD 123.3 – SNY 122.6

HKG 132.15 – 127.1 – TPE 129.1

125.5 – FUK 127.5

Home

ICN : STAR

ILS 33/34

OLMEN xE

ENPIL

OLMEN 180

ILS 15/16

OLMEN xH

MUNAN

OLMEN 180

HUD

33L/R 34L(23')

12303'

15L/R
16R(23')

34R(23')

13123'

16L(23')

FIX

RWY /8, /5 , YJU R271

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

VVTS(SGN) 33ft

RKSI(ICN) 23ft

None
DEL 121.8 By Voice

KE ICN 131.5

SGN : RNP SID (NADP 1)
Request RWY due to Performance

25L(R)	KADUM xxD	250	250	11000	250
07L(R)	KADUM xxE/A	070	070	ATC	070
TSH 116.8	25R 110.5	07R 111.7		25L 108.3	
HUD	25R(33')		10007'	07L(20')	
	25L(32')		12559'	07R(24')	

ATC CLR, RWY CHG After TAXI
Caution STOPBAR L/T, Follow Car Service

APP 125.5 – HCM 120.1 – 134.05

HNI 123.3 – SNY 122.6

HKG 132.15 – 127.1 – TPE 129.1 – 127.9

126.7 – 123.6 – FUK 127.5

Home

ICN : STAR

ILS 33/34	OLMEN xE	ENPIL	OLMEN 180
ILS 15/16	OLMEN xH	MUNAN	OLMEN 180
HUD	33L/R 34L(23')	12303'	15L/R 16R(23')
	34R(23')	13123'	16L(23')
FIX	RWY /8, /5 , YJU R271		

33R : C4(7529'), C5(8513'), 33L : B4(7563'), B5(8513')

15L : C2(7522'), C1(8536'), 15R : B3(7454'), B2(8641')

34L : P7(5600'), P8(6578'), 34R : N4(6876'), N5(8507')

16R : P6(5597'), P5(6574'), 16L : N3(7043'), N2(8444')

8NM 180kts, 5NM 160kts, Parr TAXI 10kts이상, HIRO

COLD TEMP CORRECTION 1/2

Min 은 반드시 수정 (중간 고도 CORRECTION은 PIC 결정)
Missed App 고도는 ATC 협조 필요

GMP 32L (261') / 32R (262') / 14R (254')

32L/R	8000	5500	4000	2800	2300	2000	4000
0	8450	5810	4230	2970	2440	2120	4230
-5	8620	5930	4310	3030	2490	2160	4310
-10	8780	6040	4390	3080	2530	2200	4390
R14	4000	2800	1400		4000		
0	4230	2970	1490		4230		
-5	4310	3030	1520		4310		
-10	4390	3080	1540		4390		

CJU 07 (307') / 25 (296')

	4000	2900	1800	07	8000	25	6000
0	4220	3070	1900		8450		6340
-5	4300	3130	1940		8620		6460
-10	4380	3180	1970		8780		6590

CJJ 06L (387') / 24R (296')

06L	4400	3900	3000	2100		7000	
0	4650	4110	3170	2210		7390	
-5	4740	4200	3230	2270		7540	
-10	4810	4260	3280	2290		7670	
24R	6000	3700	2500	2100		6000	
0	6330	3900	2640	2210		6330	
-5	6460	3980	2700	2270		6460	
-10	6570	4040	2730	2290		6570	

COLD TEMP CORRECTION 2/2							
ICN ALL RWY (243')							
33/34	7000	6000	5000	3600	2600	1600	
0	7400	6340	5290	3810	2760	1700	
-5	7520	6460	5390	3880	2810	1730	
-10	7680	6580	5490	3950	2860	1760	
15/16	3000	2600	1600		4000		3000
0	3170	2760	1700		4230		3170
-5	3230	2810	1730		4310		3230
-10	3290	2860	1760		4390		3290
KWJ 04R(266'),04L(610') / 22L(610')							
04L/R	4000	3000	2000				7000
0	4230	3170	2120				7500
-5	4310	3230	2160	<div>Home</div>			7590
-10	4390	3290	2200				7680
22L	5000	4100	3500	2900	2200		4000
0	4230	3170	2120	3070	2340		4230
-5	4310	3230	2160	3130	2430		4310
-10	4390	3290	2200	3190	2420		4390
PUS 36L(233'),36R(228') / 18L/R (see below)							
36L/R	6000	5000	3300	2100		6000	
0	6340	5290	3490	2210		6340	
-5	6460	5390	3560	2250		6460	
-10	6580	5490	3620	2290		6580	
18L/R	6000	5000	4000	2600	1700		6000
0	6340	5290	4230	2760	1800		6340
-5	6460	5390	4310	2810	1830		6460
-10	6580	5490	4390	2860	1870		6580

COLD Wx 1/2

OAT (GND) / TAT (TAT) is 10°C (50°F) or below :

- visible moisture (clouds, fog with VIS 1SM (1600 m) or rain, snow, sleet, ice crystals...)
- ice, snow, slush and standing water is present on the ramps, taxiways, or runways.

PREFLIGHT

- PROBE HEAT switches ON

ENGINE START

(-35도 TH변경전 2분간 IDLE)

(Min Oil Press 까지 IDLE 유지 (수분간))

(Oil Temp – Nor 후 Oil Press High시 ShutDown)

ENGINE ANTI-ICE

- ENGINE START switchesCONT

- ENGINE ANTI-ICE switchesON

(COWL V/V OPEN 지속 Bright시 APU Bleed OFF,
ISO V/V AUTO, TH 서서히 Max 30%)

WING ANTI-ICE

- WING ANTI-ICE switchON

(Type II or IV Deicing안할 거면 사용하라)

AFTER START

- GENERATOR 1 and 2 switches. ON

(IDG 1분 이내 안정, 5분 이내 Steady Power)

- FLIGHT controls Check

(Deicing 할거면 Deicing 하고 한다.)

- FLAPS Check

(Full Travel UP – 40 – UP, **FLAP UP 고려**)

TAXI OUT

(OAT 3도 이하 RUN UP : Behind CLR, 70% 허락
하는한, 30초, 30분 간격) -8 : (50%-IDLE, 60분간
격)

(Ice Shedding : freezing rain, freezing
drizzle, freezing fog or heavy snow – 70%, 1초,
10분간격) -8 : 없음

BEFORE T/O Takeoff Signal - **FLAPS 5**
- **FLAPS** **SET**

TAKEOFF (-8 : Oil Temp 31도 이상)
- **THRUST** ... (min 70%(50%), 30초(5초))**RUNUP**
(ENG ANTI-ICE + OAT 3도이하)
NO RUNUP(OAT 3도이상) NG 70%, -8 : 50% 5초

ENGINE ANTI-ICE

- **ENGINE START** switches **CONT**
- **ENGINE ANTI-ICE** switches **ON**
(-40도 이하 금지, 강하중 가능)
(COWL V/V OPEN 지속 Bright시 APU Bleed OFF,
ISO V/V AUTO, TH 서서히 Max 30%)

FAN ICE REMOVAL

(Moderate Severe 가능하면 회피하라 아니면..)
- **ENGINE START** switches (both) **FLT**
- **Autothrottle** (if engaged) **Disengage**
- **THRUST** (min 80%, 1 초) **Increase**
(15초이내 Vib 4.0이하 안정화 15분 간격 반복)
- **Autothrottle** (if needed) **Engage**
(4.0 보다 크면 Engine High Vibration Check
List!!!)

WING ANTI-ICE

(Icing 보이면 Deicer로 사용, Anti-icer도 사용가능)
(FL350이상 사용금지 -> Emer Descend)
(Icing 지역 Holding - Flap 사용금지)
- **WING ANTI-ICE** switch **ON**

APPROACH L/D

(FLAP 15 필수 조건일 경우만 VREF ICE 사용)

AFTER L/D, SHUTDOWN

(TAXI RUNUP, ICE SHEDDING 절차적용)
- **FLAPS** **15** 까지만
- **ENG ANTI-ICE** **ENG ShutDown**전 **OFF**
- **Stabilizer trim** **Set 5 units**
- **ENGINE** **ShutDown**

ENG ON Deicing in ICN

ICN Deicing "Deicing Required ENG On Deicing"
ICN Apron "Req Pushback Deicing Zone xxx"

Tx 2000 -> Pad Control -> Ice Man

PARKING BRAKE ----- SET

Report Parking Brake SET - > Ice Man

B737-8 BROADBAND SYS s/w ----- OFF

FLAPS ----- UP

THRUST LEVERS ----- IDLE

ENGINE BLEED AIR SWITCHES ----- OFF

APU BLEED air switch ----- OFF

START DE/ANTI-ICING REQ DCL

항공기이동 및 Configuration 변경 금지

AFTER DE/ANTI-ICING IS COMPLETED
(TIME CHECK 1분)

용액과 마지막 용액 뿌린 시간 받고 적는다.

Holdover Time 결정!!!

TIME CHECK 1분후

APU BLEED air switch ----- As needed

Engine BLEED air switches ----- ON

FLAP LEVER ----- Set for takeoff or UP

ice, snow, slush or standing water, 강수 지속시 –
FLAP UP고려

Flight controls ----- Check, as needed

After Start Checklist

TAXI OUT

(OAT 3도 이하 RUN UP : Behind CLR, 70% 허락
하는한, 30초, 30분 간격) **-8 : (50%-IDLE, 60분간격)**

BEFORE TAKEOFF

TAKEOFF SIGNAL -> FLAPS 5

FLAPS ----- Set(for takeoff)

TAKEOFF (-8 : Oil Temp 31도 이상)

- THRUST ... (min 70%(50%), 30초(5초))RUNUP
(ENG ANTI-ICE + OAT 3도이하)

NO RUNUP(OAT 3도이상) NG 70%, -8 : 50% 5초

DECISION TREE next page

Home

TAKEOFF DECISION TREE

DE/ANTI-ICE AIRCRAFT

Holdover Time Begins

NOT
CLEAN

COCKPIT
CHECK
①

CLEAN

TAKEOFF

NOT SURE

NOT
CLEAN

CABIN
CHECK
②

CLEAN

TAKEOFF
within
5 mins.

If unable,
repeat Cabin
Check or
External
Check.

NOT SURE

NOT
CLEAN

EXTERNAL
CHECK
③

CLEAN

Holdover Time Ends

- Frost
- Freezing Fog
- Snow

- Freezing Drizzle
- Light Freezing Rain
- Rain on Cold
Socked Wings

NOT
CLEAN

CABIN
CHECK
②

CLEAN

NOT SURE

NOT
CLEAN

EXTERNAL
CHECK
③

CLEAN

TAKEOFF
within
5 mins.
If unable,
repeat
Cabin
Check.

Fluid
Type

TYPE I

Type II & IV

EXTERNAL
CHECK
③

NOT
CLEAN

CLEAN

TAKEOFF within 5 mins.
If unable, repeat De/Anti-icing

ENG OFF Deicing in GMP...

KE GMP "Deicing Information" **REQ DCL**
Apron "Req Pushback Deicing Required PADxxx"

PARKING BRAKE ----- SET

Establish communications with GND personnel.

B737-8 BROADBAND SYS s/w ----- OFF

FLAPS ----- UP

THRUST LEVERS ----- IDLE

ENGINE BLEED AIR SWITCHES ----- OFF

APU BLEED air switch ----- OFF

APU ----- START

APU GENERATOR bus switches ----- ON

ENGINE ANTI-ICE switches ----- OFF

Engine Start levers ----- CUTOFF

SHUTDOWN CHECKLIST

START DE/ANTI-ICING

항공기이동 및 Configuration 변경 금지

AFTER DE/ANTI-ICING IS COMPLETED

(TIME CHECK 1분)

용액과 마지막 용액 뿌린 시간 받고 적는다.

Holdover Time 결정!!!

Home

TIME CHECK 1분후

APU BLEED air switch ----- ON

PREFLT CHKlist -> Req STARTUP -> CHKlist

AFTER BOTH ENGINES ARE STARTED

ENGINE ANTI-ICE switches----As needed

B737-8 BROADBAND SYS s/w ----- ON

APU----- As needed

Engine BLEED air switches ----- ON

FLAP LEVER ----- Set for takeoff or UP

ice, snow, slush or standing water, 강수 지속시 –
FLAP UP고려

Flight controls ----- Check, as needed

AFTER START CHKlist (ATC CLR Confirm)

TAXI, BEFORE TAKEOFF, TAKEOFF

cold wx 참조!!! **DECISION TREE next page**

TAKEOFF DECISION TREE

DE/ANTI-ICE AIRCRAFT

Holdover Time Begins

NOT
CLEAN

COCKPIT
CHECK
①

CLEAN

TAKEOFF

NOT SURE

NOT
CLEAN

CABIN
CHECK
②

CLEAN

TAKEOFF
within
5 mins.

If unable,
repeat Cabin
Check or
External
Check.

NOT SURE

NOT
CLEAN

EXTERNAL
CHECK
③

CLEAN

Holdover Time Ends

- Frost
- Freezing Fog
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- Freezing Drizzle
- Light Freezing Rain
- Rain on Cold
Socked Wings

NOT
CLEAN

CABIN
CHECK
②

CLEAN

NOT SURE

NOT
CLEAN

EXTERNAL
CHECK
③

CLEAN

TAKEOFF
within
5 mins.
If unable,
repeat
Cabin
Check.

Fluid
Type

TYPE I

Type II & IV

EXTERNAL
CHECK
③

NOT
CLEAN

CLEAN

TAKEOFF within 5 mins.
If unable, repeat De/Anti-icing

PUS VOR 18L/R

RKPK ARRIVALS 1/1
 STARS RTE 2 RUNWAYS
 VOR18R<SEL> <SEL>18R
 TRANS
 GAYHA<SEL>
 RHY EXT
 -- .-NM
 FPA
 - .--

STARS RUNWAYS
 VOR18L/R 18L/R
 TRANS. **KMH22** Vref+wind
 GAYHA (Modify Required)

FIX : KMH 280(Base Turn), 283(Missed App)



Missed App

Base Turn 이전 : L/H Turn **KMH 283** OUTBD
 (SEL HDG SEL – INT H/D - VOR/LOC Engage)

Base Turn 이후 : Continue R/H Turn **KMH 283**
 OUTBD
 (SEL HDG SEL – INT H/D - VOR/LOC Engage)

Home

**LOC 36 Circling
 Next Page**

PUS LOC 36L/R Circling 18L/R

RKPK ARRIVALS 1/1
STARS RTE 2 RUNWAYS
36L18R<SEL> <SEL>18R
TRANS
GEOJE<SEL>

RWY EXT
-- -NM
FPA
-.-

STARS

36L18L/R

TRANS. **KMH22** Vref+wind

GEOJE (Modify Required)

RUNWAYS

18L/R

CI36L(CF36R) 3500 FI36L(FF36R) 2100

FIX : KMH 280(Base Turn), 310(Missed App)



Missed App

Base Turn 이전 : L/H Turn **KMH 310** OUTBD
(SEL HDG SEL – INT H/D - VOR/LOC Engage)

Base Turn 이후 : Continue R/H Turn **KMH 310**
OUTBD
(SEL HDG SEL – INT H/D - VOR/LOC Engage)

Home

GS KTS	KM	MILES
300	560	350
310	570	360
320	590	370
330	610	380
340	630	390
350	650	400
360	670	410
370	690	430
380	710	440
390	720	450
400	740	460
410	760	470
420	780	480
430	800	500
440	820	510
450	830	520
460	850	530
470	870	540
480	890	550
490	910	560
500	930	580
510	950	590
520	960	600
530	980	610
540	1000	620
550	1020	630
560	1040	650
570	1060	660
580	1070	670
590	1090	680
600	1110	690
610	1130	700
620	1150	710
630	1170	730
640	1190	740
650	1200	750
660	1220	760
670	1240	770
680	1260	780
690	1280	800
700	1300	810