

ZLDH

Dunhuang Mogao

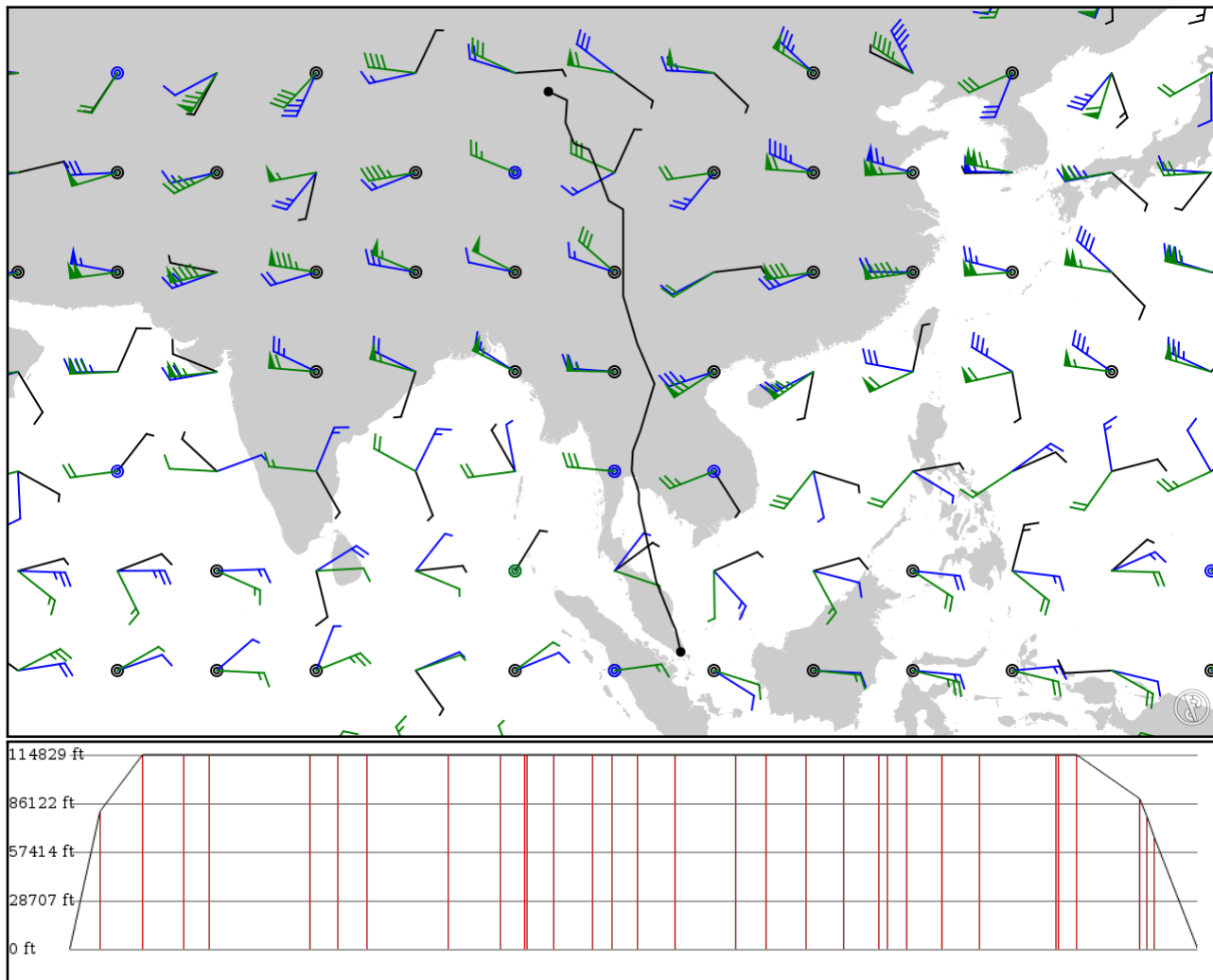
WSSS

Singapore Changi Intl

2024/05/23 1024Z

ZLDH VIKUP 3800N09600E AKAGI **Y1** MEPEP **Y2** LUVAR **L888** BIDRU **A581** SAGAG **B218** LPB LPB **B346** BKK **R201**
BUT BUT **M904** PIDEL **Y11** GOLUD **M751** VPK **B469** PU90 WSSS

2500.70 nm / 4631.29 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
ZLDH	-	40.16190	0 ft	-	Dunhuang Mogao
APT	-	94.81250	0 m		
VIKUP	-	39.56330	24,800 ft	69	-
FIX	-	96.10330	7,559 m		
3800N09600E	-	38.00000	35,000 ft	94	-
LATLON	-	96.00000	10,668 m		
AKAGI	-	36.56670	35,000 ft	90	-
FIX	-	96.59170	10,668 m		
MEPEP	Y1	36.15170	35,000 ft	56	-
FIX	AWY-HI	97.63330	10,668 m		
LUVAR	Y2	32.60170	35,000 ft	223	-
FIX	AWY-HI	99.00000	10,668 m		
SANLI	L888	32.00000	35,000 ft	62	-
FIX	AWY-HI	100.00000	10,668 m		
PEXUN	L888	30.92830	35,000 ft	64	-
FIX	AWY-HI	100.00000	10,668 m		
LEVBA	L888	27.94830	35,000 ft	178	-
FIX	AWY-HI	100.00000	10,668 m		
NIVUX	L888	26.00000	35,000 ft	117	-
FIX	AWY-HI	100.00000	10,668 m		
UPGED	L888	25.13830	35,000 ft	53	-
FIX	AWY-HI	100.25700	10,668 m		
DONEN	L888	25.04500	35,000 ft	5	-
FIX	AWY-HI	100.28300	10,668 m		
MAKUL	L888	24.12170	35,000 ft	57	-
FIX	AWY-HI	100.55700	10,668 m		
BIDRU	L888	22.71830	35,000 ft	87	-
FIX	AWY-HI	100.96500	10,668 m		
NOKET	A581	22.04830	35,000 ft	43	-
FIX	AWY-HI	101.25500	10,668 m		
SAGAG	A581	21.19170	35,000 ft	55	-
FIX	AWY-HI	101.62300	10,668 m		
LPB	B218	19.91100	35,000 ft	82	LUANG PHABANG
VOR	AWY-HI	102.17200	10,668 m		
LPB	-	19.89940	35,000 ft	0	LUANG PHABANG VOR-DME
DME	-	102.16000	10,668 m		
YAKUA	B346	17.73740	35,000 ft	134	-
FIX	AWY-HI	101.51400	10,668 m		
PCB	B346	16.67600	35,000 ft	66	PHETCHABUN
VOR	AWY-HI	101.19700	10,668 m		
NOBER	B346	15.27660	35,000 ft	89	-
FIX	AWY-HI	100.66800	10,668 m		
BKK	B346	13.89360	35,000 ft	83	BANGKOK
VOR	AWY-HI	100.59600	10,668 m		
BUT	R201	12.67480	35,000 ft	77	U TAPHAO TACAN
DME	AWY-HI	101.00700	10,668 m		
BUT	-	12.66670	35,000 ft	0	U-TAPAO
VOR	-	101.00000	10,668 m		
PIDEL	M904	12.36190	35,000 ft	19	-
FIX	AWY-HI	101.08700	10,668 m		
NOMEF	Y11	11.64160	35,000 ft	43	-
FIX	AWY-HI	101.08200	10,668 m		
RILVI	Y11	10.39270	35,000 ft	76	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	101.36200	10,668 m		
TENUM	Y11	9.04137	35,000 ft	83	-
FIX	AWY-HI	101.66300	10,668 m		
GOLUD	Y11	6.28500	35,000 ft	169	-
FIX	AWY-HI	102.27700	10,668 m		
VKB	M751	6.16345	35,000 ft	7	KOTA BHARU
VOR	AWY-HI	102.31400	10,668 m		
GUGIT	M751	5.54236	35,000 ft	40	-
FIX	AWY-HI	102.56300	10,668 m		
VPK	M751	3.38306	27,100 ft	139	PEKAN (KUANTAN)
VOR	AWY-HI	103.42300	8,260 m		
PADLI	B469	3.15500	23,900 ft	15	-
FIX	AWY-HI	103.52600	7,285 m		
PU90	B469	2.89472	20,200 ft	17	-
FIX	AWY-HI	103.64300	6,157 m		
WSSS	-	1.35551	0 ft	94	Singapore Changi Intl
APT	-	103.98800	0 m		

ZLDH

Region: CHINA
Timezone: ASIA/URUMQI
Runways: 1

Elevation: 3,691 ft / 1,125 m
Location: 40.161900 94.812500
Magnetic Var: 0.284 E

METAR

UNKNOWN

TAF

UNKNOWN

Frequencies

TWR - 118.60 MHz - DUNHUANG TOWER

TWR - 130.00 MHz - DUNHUANG TOWER

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
08	148 ft	11,130 ft	84.14	ASPHALT	0 ft	197 ft
	45 m	3,392 m	83.85		0 m	60 m
26	148 ft	11,130 ft	264.16	ASPHALT	0 ft	194 ft
	45 m	3,392 m	263.88		0 m	59 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08	LOC-ILS	IMG	109.30 MHz	18 nm	84.15	-	3,691 ft
				33 km	83.87		3,691 m
26	LOC-ILS	IDH	108.70 MHz	18 nm	264.15	-	3,691 ft
				33 km	263.87		3,691 m
08	GS	IMG	109.30 MHz	10 nm	84.15	3.00	3,691 ft
				19 km	83.87		3,691 m
26	GS	IDH	108.70 MHz	10 nm	264.15	3.00	3,691 ft
				19 km	263.87		3,691 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 231000Z 03012KT 8000 -TSRA FEW010 FEW015CB SCT016TCU 30/26 Q1006 TEMPO TL1045 3000 TSRA BECMG FM1100 TL1115 M

TAF

TAF AMD WSSS 230930Z 2309/2412 14008KT 9999 FEW015 SCT020 TEMPO 2309/2311 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