

# UNNT

Novosibirsk Tolmachevo Intl

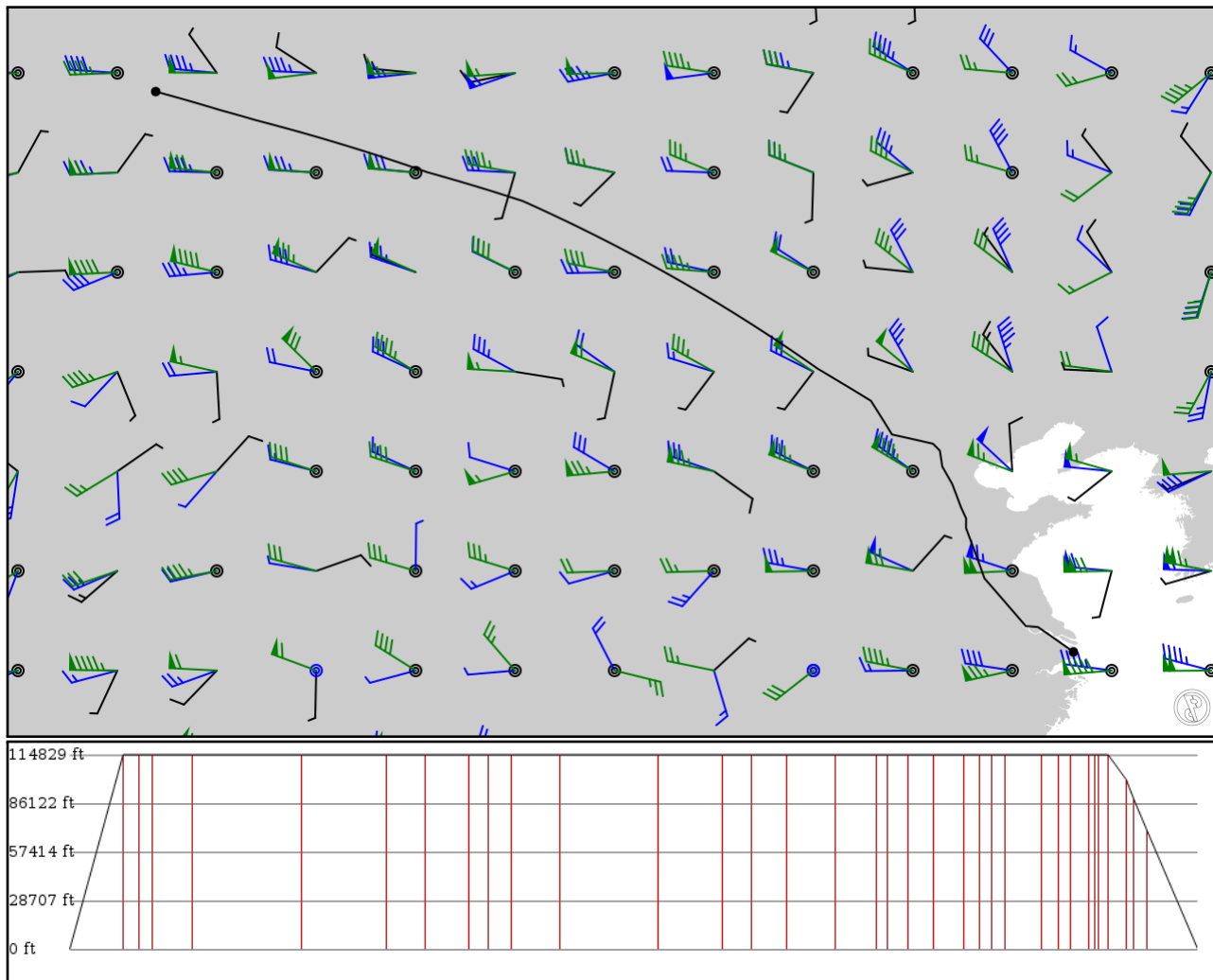
# ZSPD

Shanghai Pudong

2024/05/19 1719Z

UNNT SAMBA **R241** NOSPI **A575** KZL KZL **A575** DARN0 **Y746** NIXAL **G343** TMR **B458** TZH **W63** CD JR JB **W159**  
IDKUP **W40** YQG **W142** DALIM **A593** PIMOL **G330** UNTAN ZSPD

2255.56 nm / 4177.30 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
UNNT	-	55.02290	0 ft	-	Novosibirsk Tolmachevo Intl
APT	-	82.62480	0 m	-	
SAMBA	-	54.23390	35,000 ft	106	-
FIX	-	85.38280	10,668 m	-	
OGNOR	R241	54.00810	35,000 ft	31	-
FIX	AWY-HI	86.19170	10,668 m	-	
NOSPI	R241	53.81060	35,000 ft	27	-
FIX	AWY-HI	86.87780	10,668 m	-	
LOBIR	A575	53.24720	35,000 ft	81	-
FIX	AWY-HI	88.96110	10,668 m	-	
KZL	A575	51.59060	35,000 ft	216	KYZYL DME
DME	AWY-HI	94.20640	10,668 m	-	
KZL	-	51.59000	35,000 ft	0	KYZYL VOR-DME
DME	-	94.20670	10,668 m	-	
DARNO	A575	50.35670	35,000 ft	171	-
FIX	AWY-HI	98.29500	10,668 m	-	
SETEM	Y746	49.60970	35,000 ft	77	-
FIX	AWY-HI	99.91830	10,668 m	-	
DALAM	Y746	48.75080	35,000 ft	85	-
FIX	AWY-HI	101.66900	10,668 m	-	
LAGON	Y746	48.34330	35,000 ft	39	-
FIX	AWY-HI	102.46300	10,668 m	-	
SERAT	Y746	47.86220	35,000 ft	46	-
FIX	AWY-HI	103.37200	10,668 m	-	
PASON	Y746	46.84530	35,000 ft	96	-
FIX	AWY-HI	105.19900	10,668 m	-	
BUDEN	Y746	44.66890	35,000 ft	197	-
FIX	AWY-HI	108.74300	10,668 m	-	
NIXAL	Y746	43.21170	35,000 ft	127	-
FIX	AWY-HI	110.88300	10,668 m	-	
ASURI	G343	42.60330	35,000 ft	57	-
FIX	AWY-HI	111.90000	10,668 m	-	
TMR	G343	41.84330	35,000 ft	72	TUMURTAI
VOR	AWY-HI	113.15300	10,668 m	-	
TZH	B458	40.40830	35,000 ft	95	TIANZHEN
VOR	AWY-HI	114.05200	10,668 m	-	
CD	W63	40.01330	35,000 ft	83	QINGBAIKOU
NDB	AWY-HI	115.80500	10,668 m	-	
JR	-	39.72000	35,000 ft	22	LIANGXIANG
NDB	-	116.09500	10,668 m	-	
JB	-	39.04330	35,000 ft	40	ZANGANGZHEN
NDB	-	116.19800	10,668 m	-	
IDKUP	W159	38.29170	35,000 ft	49	-
FIX	AWY-HI	116.62500	10,668 m	-	
PANKI	W40	37.29670	35,000 ft	62	-
FIX	AWY-HI	117.00000	10,668 m	-	
YQG	W40	36.83330	35,000 ft	29	JINAN
VOR	AWY-HI	117.21500	10,668 m	-	
DALIM	W142	36.41830	35,000 ft	24	-
FIX	AWY-HI	117.21300	10,668 m	-	
ABTUB	A593	36.00000	35,000 ft	26	-
FIX	AWY-HI	117.36800	10,668 m	-	
UDINO	A593	34.82330	35,000 ft	73	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	117.80300	10,668 m		
DPX	A593	34.27830	35,000 ft	34	PIXIAN
VOR	AWY-HI	117.99800	10,668 m		
OMUDI	A593	33.97060	35,000 ft	22	-
FIX	AWY-HI	118.26700	10,668 m		
LAGAL	A593	33.46670	35,000 ft	37	-
FIX	AWY-HI	118.70500	10,668 m		
ATVAD	A593	33.29670	35,000 ft	12	-
FIX	AWY-HI	118.85500	10,668 m		
SUBKU	A593	33.19670	35,000 ft	7	-
FIX	AWY-HI	118.94000	10,668 m		
NIXEM	A593	32.94170	35,000 ft	18	-
FIX	AWY-HI	119.16000	10,668 m		
XUTGU	A593	32.46330	30,500 ft	35	-
FIX	AWY-HI	119.57500	9,296 m		
PIMOL	A593	32.24670	27,100 ft	16	-
FIX	AWY-HI	119.76200	8,260 m		
UNTAN	G330	32.20330	21,400 ft	26	-
FIX	AWY-HI	120.28500	6,523 m		
ZSPD	-	31.14500	0 ft	99	Shanghai Pudong
APT	-	121.79300	0 m		

## UNNT

Region: RUSSIA  
Timezone: ASIA/NOVOSIBIRSK  
Runways: 2

Elevation: 365 ft / 111 m  
Location: 55.022900 82.624800  
Magnetic Var: 8.937 E

## METAR

UNNT 191700Z 03004MPS 9999 SCT008 BKN033 13/12 Q1011 R07/290160 R16//////// NOSIG RMK QFE748/0998

## TAF

TAF UNNT 191400Z 1915/2015 01003G08MPS 8000 -SHRA BKN040CB TX18/2009Z TN08/1923Z BECMG 1917/1920 06006G13MPS BKN0

## Frequencies

APP - 127.50 MHz - NOVOSIBIRSK APPROACH  
GND - 121.70 MHz - NOVOSIBIRSK GROUND  
COM - 122.00 MHz - NOVOSIBIRSK RADAR  
TWR - 118.50 MHz - NOVOSIBIRSK TOWER  
REC - 131.30 MHz - NOVOSIBIRSK ATIS

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	148 ft	11,816 ft	170.00	CONCRETE	0 ft	246 ft
	45 m	3,602 m	161.06		0 m	75 m
34	148 ft	11,816 ft	350.01	CONCRETE	0 ft	249 ft
	45 m	3,602 m	341.07		0 m	76 m
07	197 ft	11,794 ft	80.99	ASPHALT	0 ft	243 ft
	60 m	3,595 m	72.05		0 m	74 m
25	197 ft	11,794 ft	261.04	ASPHALT	0 ft	226 ft
	60 m	3,595 m	252.10		0 m	69 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	LOC-ILS	IRO	110.10 MHz	18 nm	81.01	-	365 ft
				33 km	72.07		365 m
25	LOC-ILS	IKT	108.50 MHz	18 nm	261.01	-	365 ft
				33 km	252.07		365 m
16	LOC-ILS	ISV	109.70 MHz	18 nm	170.01	-	365 ft
				33 km	161.07		365 m
34	LOC-ILS	IGH	111.10 MHz	18 nm	350.01	-	365 ft
				33 km	341.07		365 m
07	GS	IRO	110.10 MHz	10 nm	81.01	3.00	365 ft
				19 km	72.07		365 m
25	GS	IKT	108.50 MHz	10 nm	261.01	3.00	365 ft
				19 km	252.07		365 m
16	GS	ISV	109.70 MHz	10 nm	170.01	3.00	365 ft
				19 km	161.07		365 m
34	GS	IGH	111.10 MHz	10 nm	350.01	3.00	365 ft
				19 km	341.07		365 m

## ZSPD

Region: CHINA  
Timezone: ASIA/SHANGHAI  
Runways: 5

Elevation: 13 ft / 4 m  
Location: 31.141500 121.813000  
Magnetic Var: 6.480 W

## METAR

ZSPD 191700Z 14005MPS 9999 BKN007 20/19 Q1012 NOSIG

## TAF

TAF ZSPD 190902Z 1912/2012 12004MPS 8000 BKN020 TX26/2006Z TN20/1921Z

## Frequencies

REC - 131.45 MHz - ATIS	REC - 127.85 MHz - ATIS
TWR - 118.40 MHz - PUDONG TOWER	TWR - 118.57 MHz - PUDONG TOWER
TWR - 118.80 MHz - PUDONG TOWER	TWR - 124.35 MHz - PUDONG TOWER
TWR - 118.72 MHz - PUDONG SECONDARY TOWER	TWR - 118.32 MHz - PUDONG SECONDARY TOWER
GND - 121.62 MHz - PUDONG GROUND	GND - 121.80 MHz - PUDONG GROUND
GND - 121.87 MHz - PUDONG GROUND	GND - 121.70 MHz - PUDONG GROUND
GND - 122.70 MHz - PUDONG APRON RAMP/TAXI	GND - 122.60 MHz - PUDONG APRON RAMP/TAXI
GND - 122.65 MHz - PUDONG APRON RAMP/TAXI	GND - 122.97 MHz - PUDONG APRON RAMP/TAXI
CLD - 121.95 MHz - PUDONG CLEARANCE DELIVERY	CLD - 121.67 MHz -
APP - 121.10 MHz - SHANGHAI APPROACH	PUDONG SECONDARY CLEARANCE DELIVERY
APP - 120.30 MHz - SHANGHAI APPROACH	APP - 125.40 MHz - SHANGHAI APPROACH
APP - 125.85 MHz - SHANGHAI APPROACH	APP - 125.62 MHz - SHANGHAI APPROACH
APP - 126.65 MHz - SHANGHAI APPROACH	APP - 126.30 MHz - SHANGHAI APPROACH
APP - 121.37 MHz - SHANGHAI APPROACH	APP - 123.80 MHz - SHANGHAI APPROACH
APP - 120.65 MHz - SHANGHAI SECONDARY APPROACH	APP - 119.75 MHz - SHANGHAI SECONDARY APPROACH
APP - 124.05 MHz - SHANGHAI SECONDARY APPROACH	APP - 128.05 MHz - SHANGHAI SECONDARY APPROACH
	APP - 119.20 MHz - SHANGHAI SECONDARY APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15	144 ft	11,192 ft	162.14	CONCRETE	0 ft	197 ft
	44 m	3,411 m	168.62		0 m	60 m
33	144 ft	11,192 ft	342.15	CONCRETE	0 ft	194 ft
	44 m	3,411 m	348.63		0 m	59 m
16L	197 ft	12,505 ft	162.10	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.58		0 m	0 m
34R	197 ft	12,505 ft	342.11	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.59		0 m	0 m
16R	197 ft	12,505 ft	162.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	168.57		0 m	0 m
34L	197 ft	12,505 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,812 m	348.57		0 m	0 m
17L	197 ft	13,155 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	168.56		0 m	0 m
35R	197 ft	13,155 ft	342.08	CONCRETE	0 ft	0 ft
	60 m	4,010 m	348.57		0 m	0 m
17R	197 ft	11,183 ft	162.08	CONCRETE	0 ft	0 ft
	60 m	3,409 m	168.56		0 m	0 m
35L	197 ft	11,183 ft	342.09	CONCRETE	0 ft	0 ft
	60 m	3,409 m	348.57		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
16R	DME	IZZ	108.70 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
17L	DME	IPD	110.70 MHz	18 nm	-	-	11 ft
				33 km	-		11 m
34L	DME	IDD	108.30 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
16L	LOC-ILS	IHL	111.50 MHz	18 nm	162.11	-	13 ft
				33 km	168.59		13 m
16R	LOC-ILS	IZZ	108.70 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
17L	LOC-ILS	IPD	110.70 MHz	18 nm	162.08	-	13 ft
				33 km	168.56		13 m
17R	LOC-ILS	IKM	111.10 MHz	18 nm	162.09	-	13 ft
				33 km	168.57		13 m
34L	LOC-ILS	IDD	108.30 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
34R	LOC-ILS	IPR	108.90 MHz	18 nm	342.11	-	13 ft
				33 km	348.59		13 m
35L	LOC-ILS	IBD	108.10 MHz	18 nm	342.09	-	13 ft
				33 km	348.57		13 m
35R	LOC-ILS	INN	111.90 MHz	18 nm	342.08	-	13 ft
				33 km	348.56		13 m
16L	GS	IHL	111.50 MHz	10 nm	162.11	3.00	13 ft
				19 km	168.59		13 m
16R	GS	IZZ	108.70 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
17L	GS	IPD	110.70 MHz	10 nm	162.08	3.00	13 ft
				19 km	168.56		13 m
17R	GS	IKM	111.10 MHz	10 nm	162.09	3.00	13 ft
				19 km	168.57		13 m
34L	GS	IDD	108.30 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
34R	GS	IPR	108.90 MHz	10 nm	342.11	3.00	13 ft
				19 km	348.59		13 m
35L	GS	IBD	108.10 MHz	10 nm	342.09	3.00	13 ft
				19 km	348.57		13 m
35R	GS	INN	111.90 MHz	10 nm	342.08	3.00	13 ft
				19 km	348.56		13 m