

**UWGG/GOJ
STRIGINO**

17 OCT 08

10-2

JEPPESSEN NIZHNY NOVGOROD, RUSSIA

STAR

ATIS
127.8

Apt Elev
256'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL39 Trans alt: 2890' **(2634')**

(QFE)

MB 2A, MB 2B ②, OK 2A, OK 2B ②, UD 2A, UD 2B ②
RWYS 18L/R ARRIVALS

3 Intercept final at 2230' (1974')

2 Bv ATC

N56 22.9
E043 43.3
(152° bgr to UV)

At 2230'
(1974')

N56 23.8
E043 47.4
(168° bgr to UV)

At 2230'
(1974')

N56 24.6
E043 54.5
(191° bgr to UV)

At 2560'
(2304')

N56 23.1 E044 06.7
(222° bgr to UV)

At 2560' (**2304'**)

N56 22.4 E044 07.7
(226° bgr to UV)

At 2560' (**2304'**)

N56 21.1 E044 08.1
(231° bgr to UV)

At 2560' (**2304'**)

N56 14.6 E044 05.8
At 2560' (**2304'**)

N56 22.2
E043 43.4
At 2230'
(1974')

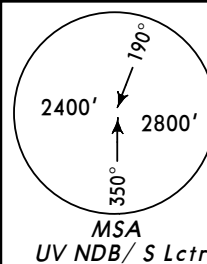
N56 17.3
E043 41.4
(111° bgr to UV)
At 2230'
(1974')

	*327 UV		
N56	15.1	E043	47.6
	1030 S		
N56	15.0	E043	47.4

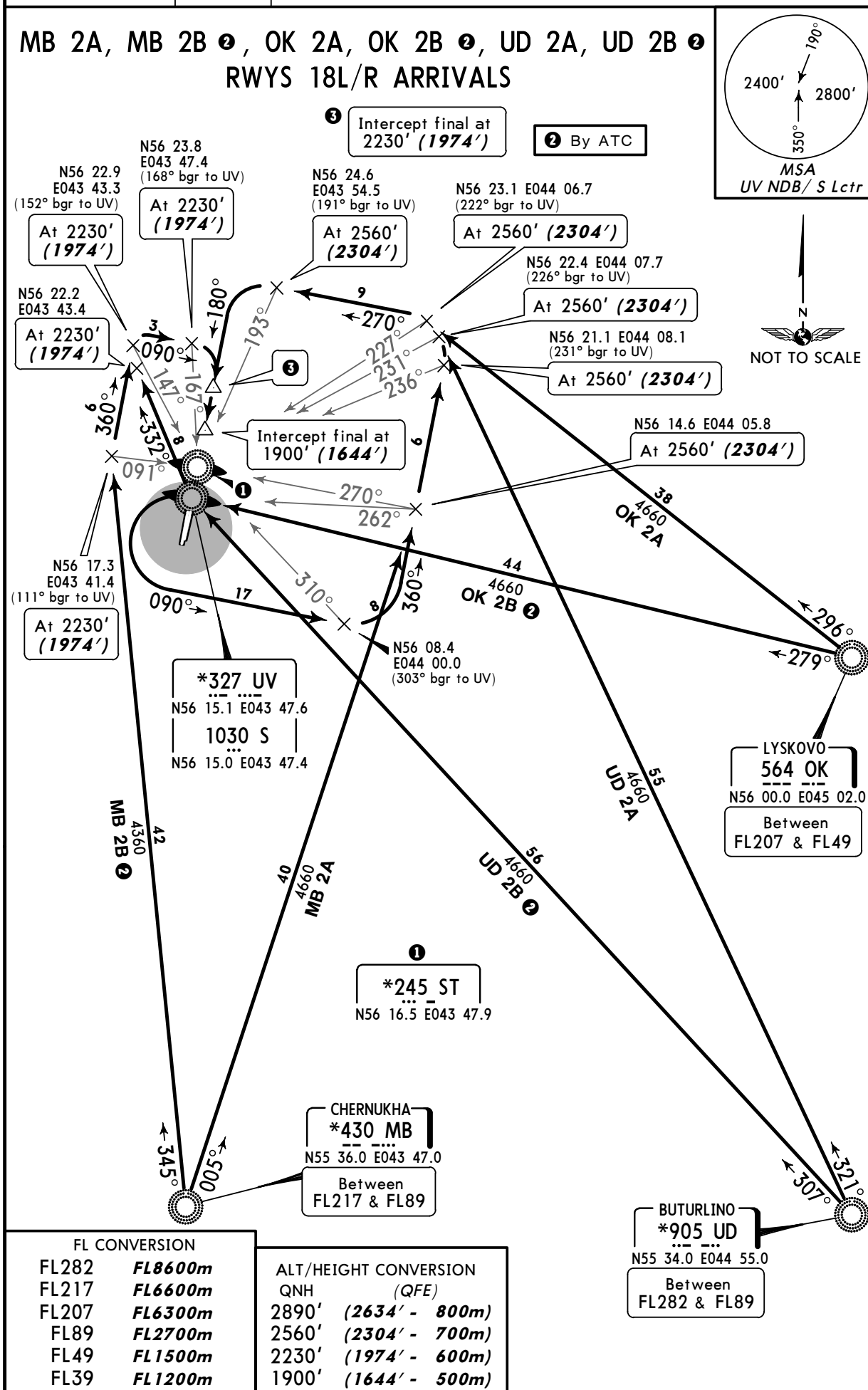
*245 ST
 N56 16.5 E043 47.9

CHERNUKHA
*430 MB
N55 36.0 E043 47.0
Between
FL217 & FL89

BUTURLINO
*905 UD
N55 34.0 E044 55.0
Between
FI 282 & FI 89



NOT TO SCALE



CHANGES: MSA.

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17 OCT 08

(10-2A)

JEPPESEN NIZHNY NOVGOROD, RUSSIA

STAR

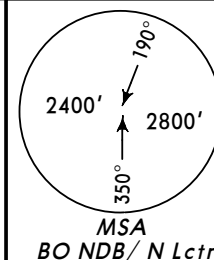
ATIS
127.8

Apt Elev
256'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL39 Trans alt: 2890' (2634')

(QFE)

MB 4, OK 4, UD 4
RWYS 36L/R ARRIVALS



*327 BO
N56 12.6 E043 46.7
1030 N
N56 12.5 E043 46.5

*245 NG
N56 10.6 E043 45.9

N56 05.4
E043 44.2
(360° brg to BO/NG)

At 2230'
(1974')

Intercept final at
1900' (1644')

N56 03.5 E043 49.7
(339° brg to BO)

At 2560'
(2304')

N56 04.2
E043 45.3
(354° brg to BO)

N56 03.9
E043 46.5
(349° brg to BO)

At 2230'
(1974')

MB 4
30
4360

UD 4
50
4200
4600

40
4260
4660
OK 4

←264°

LYSKOVO
564 OK
N56 00.0 E045 02.0

Between
FL217 & FL49

←346°

CHERNUKHA
*430 MB
N55 36.0 E043 47.0
Between
FL157 & FL89

←297°

BUTURLINO
*905 UD
N55 34.0 E044 55.0

Between
FL282 & FL89

FL CONVERSION	
FL282	FL8600m
FL217	FL6600m
FL157	FL4800m
FL89	FL2700m
FL49	FL1500m
FL39	FL1200m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2890'	(2634' - 800m)
2560'	(2304' - 700m)
2230'	(1974' - 600m)
1900'	(1644' - 500m)

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17 OCT 08

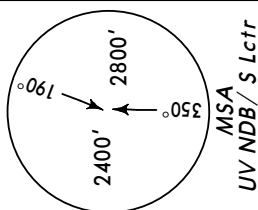
10-3

JEPPESEN NIZHNY NOVGOROD, RUSSIA

SID

Apt Elev
256'

QNH on request (QFE) Trans level: FL39 Trans alt: 2890' (2634')
Crossing at airway entry points by ATC.

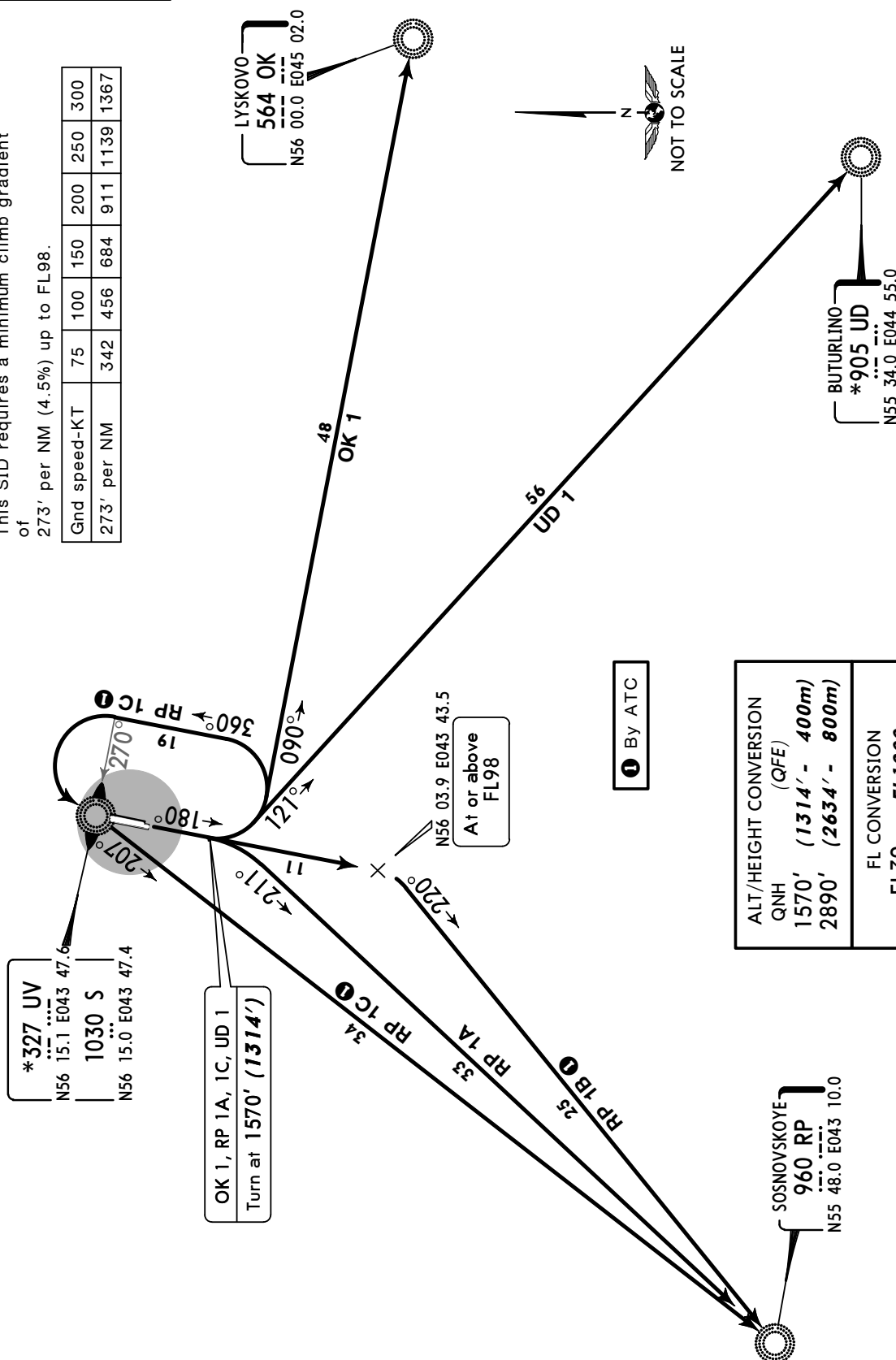


OK 1, RP 1A, RP 1B ①, RP 1C ①, UD 1
RWYS 18L/R DEPARTURES

RP 1B

This SID requires a minimum climb gradient of 273' per NM (4.5%) up to FL98.

Gnd speed-KT	75	100	150	200	250	300
273' per NM	342	456	684	911	1139	1367



① By ATC

ALT/HEIGHT CONVERSION
QNH (QFE)

1570' (1314' - 400m)
2890' (2634' - 800m)

FL CONVERSION

FL39 FL1200m
FL98 FL3000m

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Apt Elev **256'**
N56 13.8 E043 47.0



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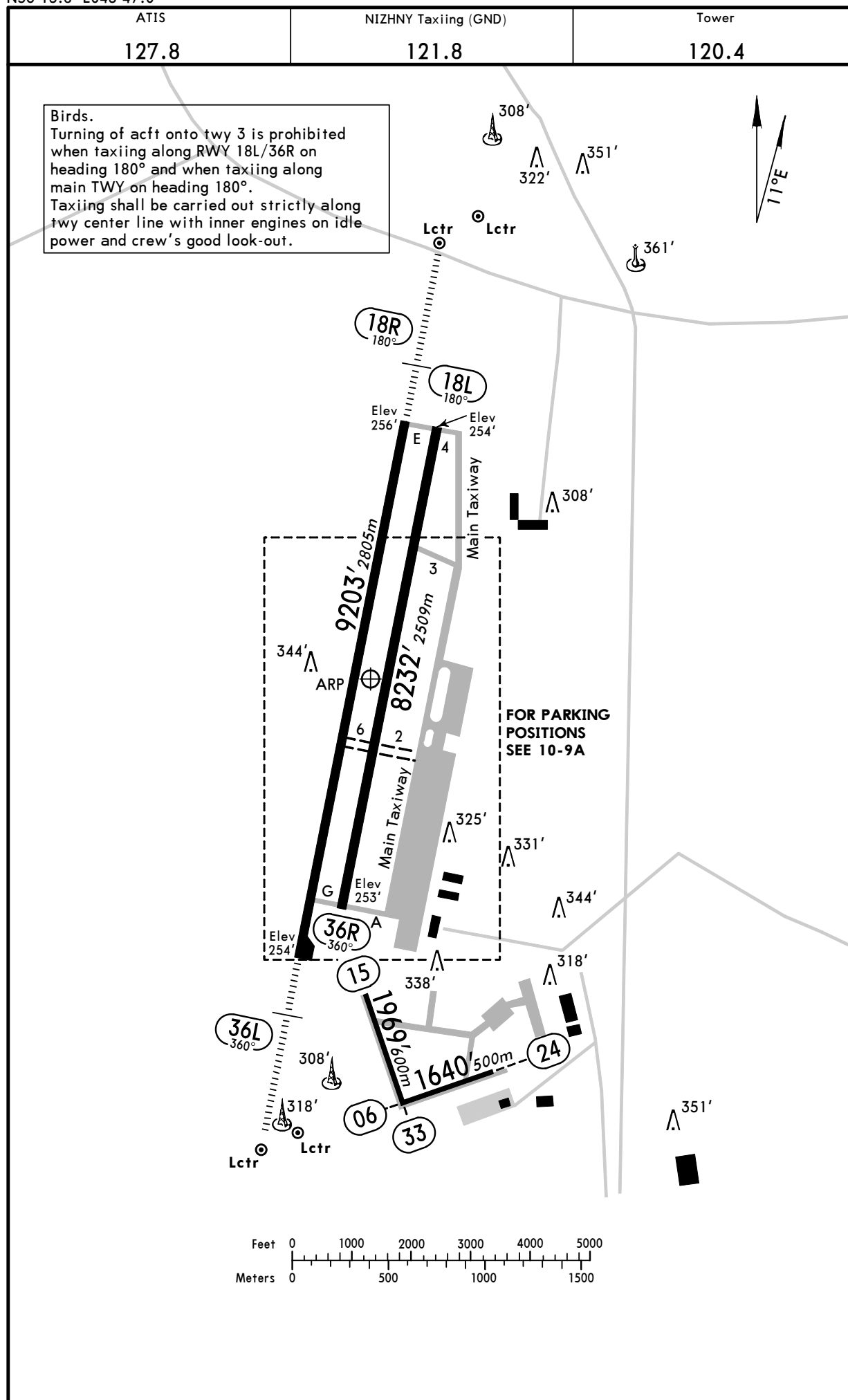
NIZHNY NOVGOROD, RUSSIA

27 FEB 09

(10-9)

Eff 12 Mar

STRIGINO



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27 FEB 09

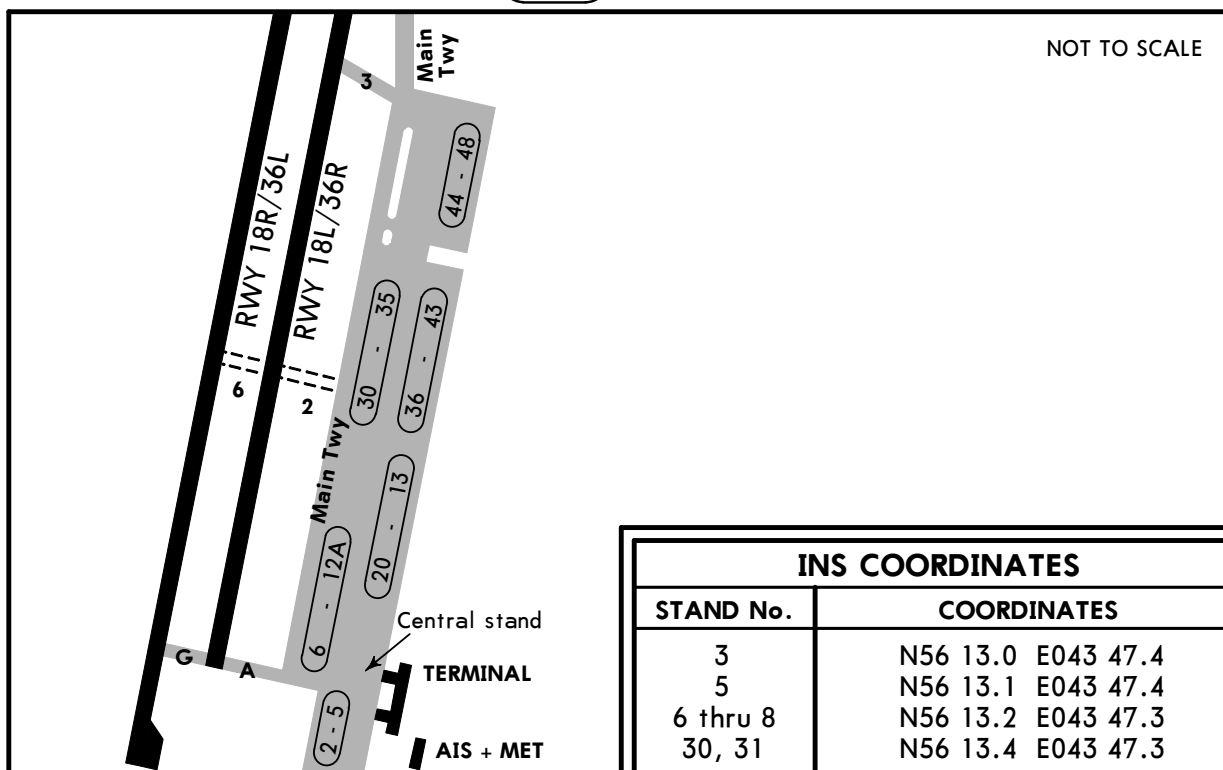
27 FEB 09

10-9A

Eff 12 Mar

NIZHNY NOVGOROD, RUSSIA

STRIGINO



ADDITIONAL RUNWAY INFORMATION					
RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
06 24					72' 22m
15 33					72' 22m
18L 36R	HIRL (60m)				148' 45m
18R 36L	HIRL (60m) HIALS		8136' 2480m		148' 45m
			8317' 2535m		

TAKE-OFF	
AIR CARRIER (JAA)	
Rwys 18 L/R, 36 L/R	
	LVP must be in force RCLM (DAY only) or RL
A	400m
B	
C	
D	

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JEPPESEN
 18 JUL 08
 Eff 31 Jul **(10-9X)**
JAA MINIMUMS**NIZHNY NOVGOROD, RUSSIA**
STRIGINO

STRAIGHT-IN RWY		A	B	C	D
18L	NDB	700' (446')	700' (446')	700' (446')	700' (446')
	with FAF	R1500m	R1500m	R1800m	R2000m
	NDB	1250' (996')	1250' (996')	1250' (996')	1250' (996')
	w/o FAF	R1500m	R1500m	R2000m	R2000m
18R	ILS	456' (200')	456' (200')	456' (200')	456' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	600' (344')	600' (344')	600' (344')	600' (344')
		R900m	R1000m	R1000m	R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
36L	ILS	454' (200')	454' (200')	454' (200')	454' (200')
		R550m	R550m	R550m	R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	610' (356')	610' (356')	610' (356')	610' (356')
	with 6.0 NM RDP	R900m	R1000m	R1000m	R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
	NDB	830' (576')	830' (576')	830' (576')	830' (576')
	w/o 6.0 NM RDP	R1000m	R1200m	R1200m	R1600m
	ALS out	R1500m	R1500m	R2000m	R2000m
36R	NDB	920' (667')	920' (667')	920' (667')	920' (667')
	with 6.1 NM RDP	R1500m	R1500m	R2000m	R2000m
	NDB	1170' (917')	1170' (917')	1170' (917')	1170' (917')
	w/o 6.1 NM RDP	R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 18L, 18R, 36L, 36R

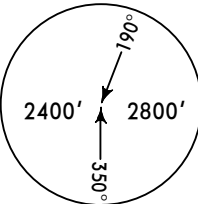
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

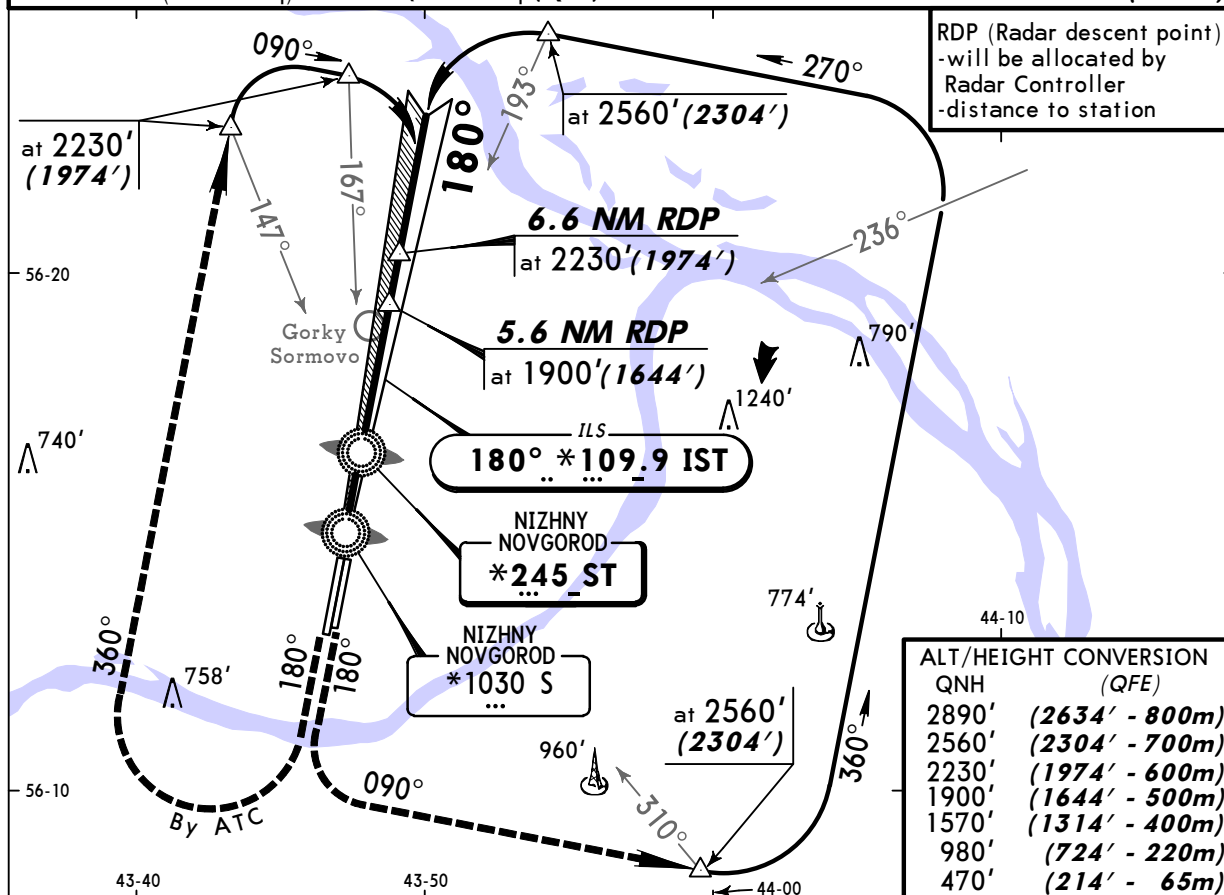
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17 OCT 08

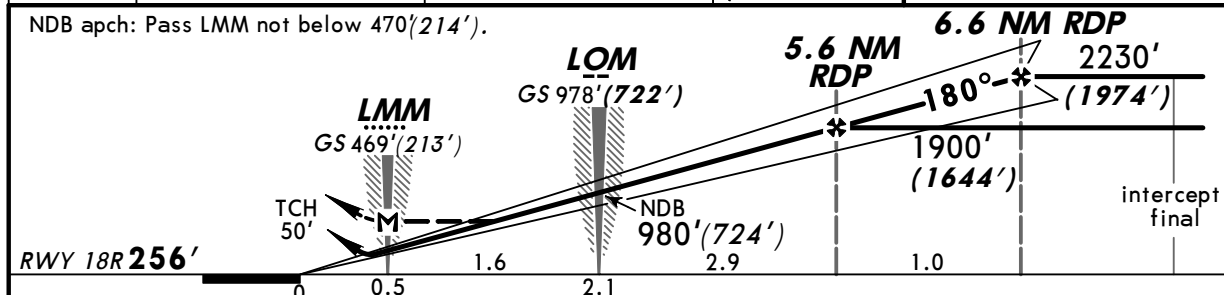
11-1

JEPPESEN NIZHNY NOVGOROD, RUSSIA
17 OCT 08 (11-1) ILS or 2 NDB Rwy 18R

ATIS 127.8		NIZHNY Approach 124.7 126.0		NIZHNY Radar 120.8		NIZHNY Tower 120.4		Ground 121.8	
LOC IST *109.9	Final Apch Crs 180°		GS LOM 978' (722')	ILS DA(H) 456' (200')		Apt Elev 256' RWY 256'		 MSA S Lctr	
NDB ST *245			Minimum Alt (CONDITIONAL) Refer to Profile		NDB MDA(H) 600' (344')				
MISSED APCH: LEFT HAND: Climb on 180° to 1570' (1314'), then turn LEFT onto 090° climbing to 2560' (2304'), then as directed. RIGHT HAND: Climb on 180° to 1570' (1314'), then turn RIGHT onto 360° climbing to 2230' (1974'), then as directed.									
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 39		Trans alt: 2890' (2634')			



NDB apch: Pass LMM not below 470'(214').



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	 HIALS	Refer to Missed Apch above
<i>ILS GS 3.00° or</i>								
<i>NDB Desc Grad 5.2%</i>	377	485	539	647	755	862		
<i>MAP at LMM</i>								

STRAIGHT-IN LANDING RWY 18R

		ILS <i>DA(H)</i> 456'(200')		LOC (GS out)	NDB <i>MDA(H)</i> 600'(344')	
		FULL	ALS out		ALS out	
A	800m		1200m	NOT AUTH	1200m	1600m
B						
C					1600m	2000m
D						

CHANGES: MSA.

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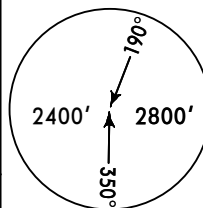
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JEPPESEN
17 OCT 08 (11-2)

NIZHNY NOVGOROD, RUSSIA
ILS or 2 NDB Rwy 36L

BRIEFING STRIP

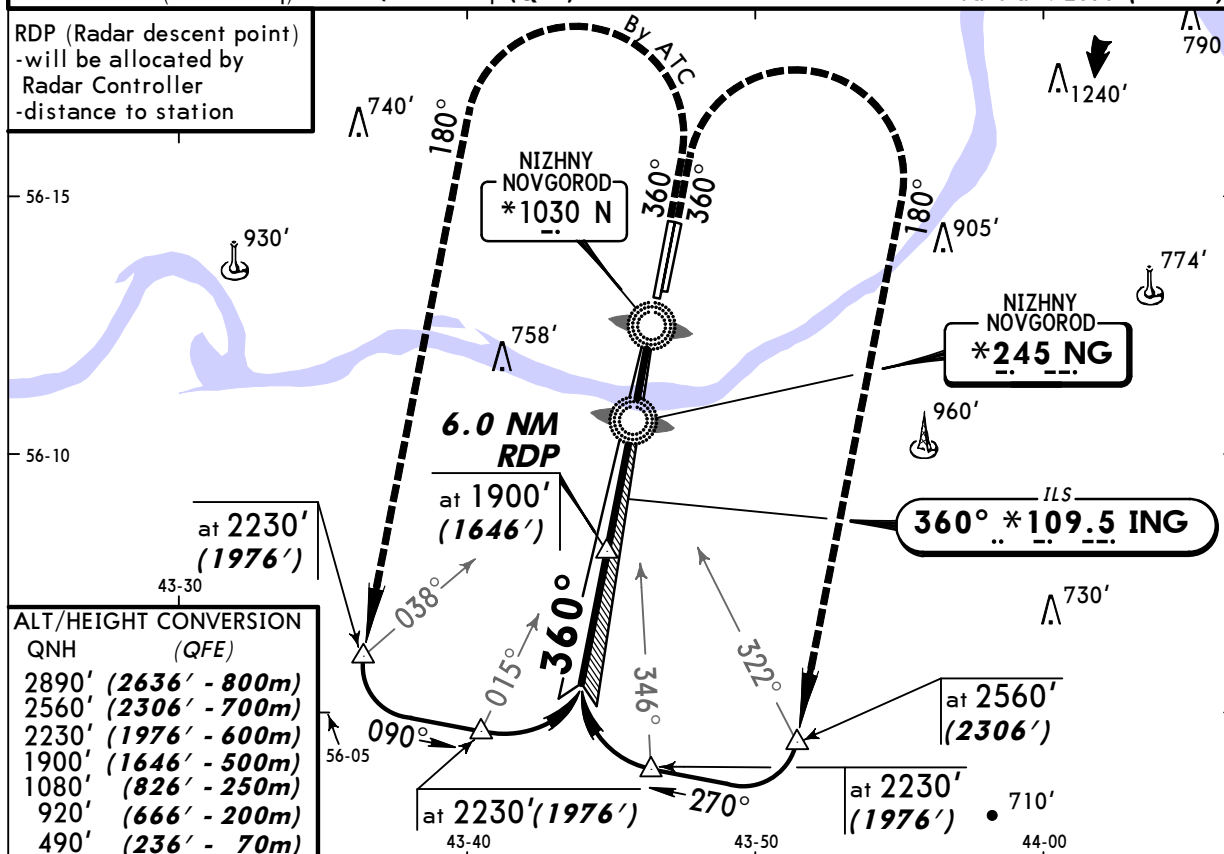
ATIS 127.8	NIZHNY Approach 124.7 126.0	NIZHNY Radar 120.8	NIZHNY Tower 120.4	Ground 121.8
LOC ING *109.5	Final Apch Crs 360°	GS LOM 1074' (820')	ILS DA(H) 454' (200')	Apt Elev 256'
NDB NG *245		Minimum Alt 6.0 NM RDP 1900' (1646')	NDB MDA(H) (CONDITIONAL) 610' (356')	RWY 254'
MISSED APCH: RIGHT HAND: Climb on 360° to 920' (666'), then turn RIGHT onto 180° climbing to 2560' (2306'), then as directed. LEFT HAND: Climb on 360° to 920' (666'), then turn LEFT onto 180° climbing to 2230' (1976'), then as directed.				



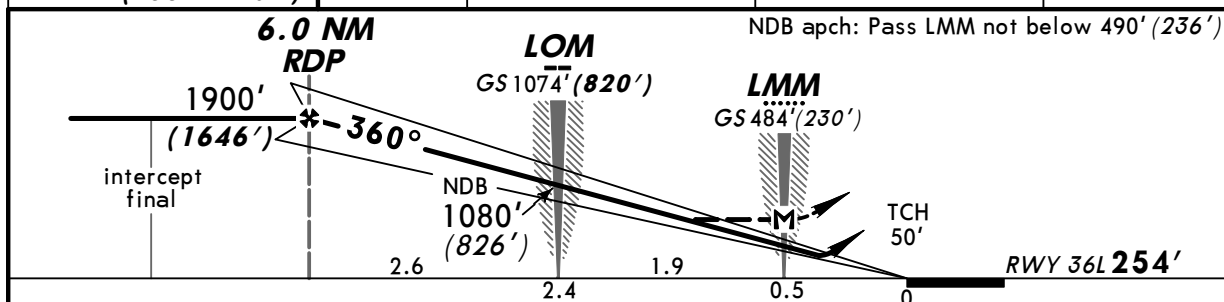
MSA
N Lctr

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 Trans alt: 2890' (2636')

RDP (Radar descent point)
-will be allocated by
Radar Controller
-distance to station



ALT/HEIGHT CONVERSION	QNH	(QFE)
2890' (2636' - 800m)		
2560' (2306' - 700m)		
2230' (1976' - 600m)		
1900' (1646' - 500m)		
1080' (826' - 250m)		
920' (666' - 200m)		
490' (236' - 70m)		



Gnd speed-Kts	70	90	100	120	140	160	HIALS	Refer to Missed Apch above
ILS GS 3.00° or NDB Desc Grad 5.2%	377	485	539	647	755	862		
MAP at LMM								

ILS		STRAIGHT-IN LANDING RWY 36L		NDB	
DA(H)	454' (200')	LOC (GS out)	With 6.0 NM RDP MDA(H) 610' (356')	W/o 6.0 NM RDP MDA(H) 830' (576')	
FULL	ALS out		ALS out	ALS out	
A					
B					
C	800m	1200m	1200m	1600m	
D			1600m	2000m	

PANS OPS

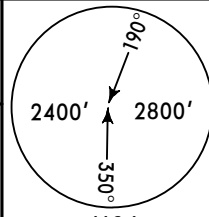
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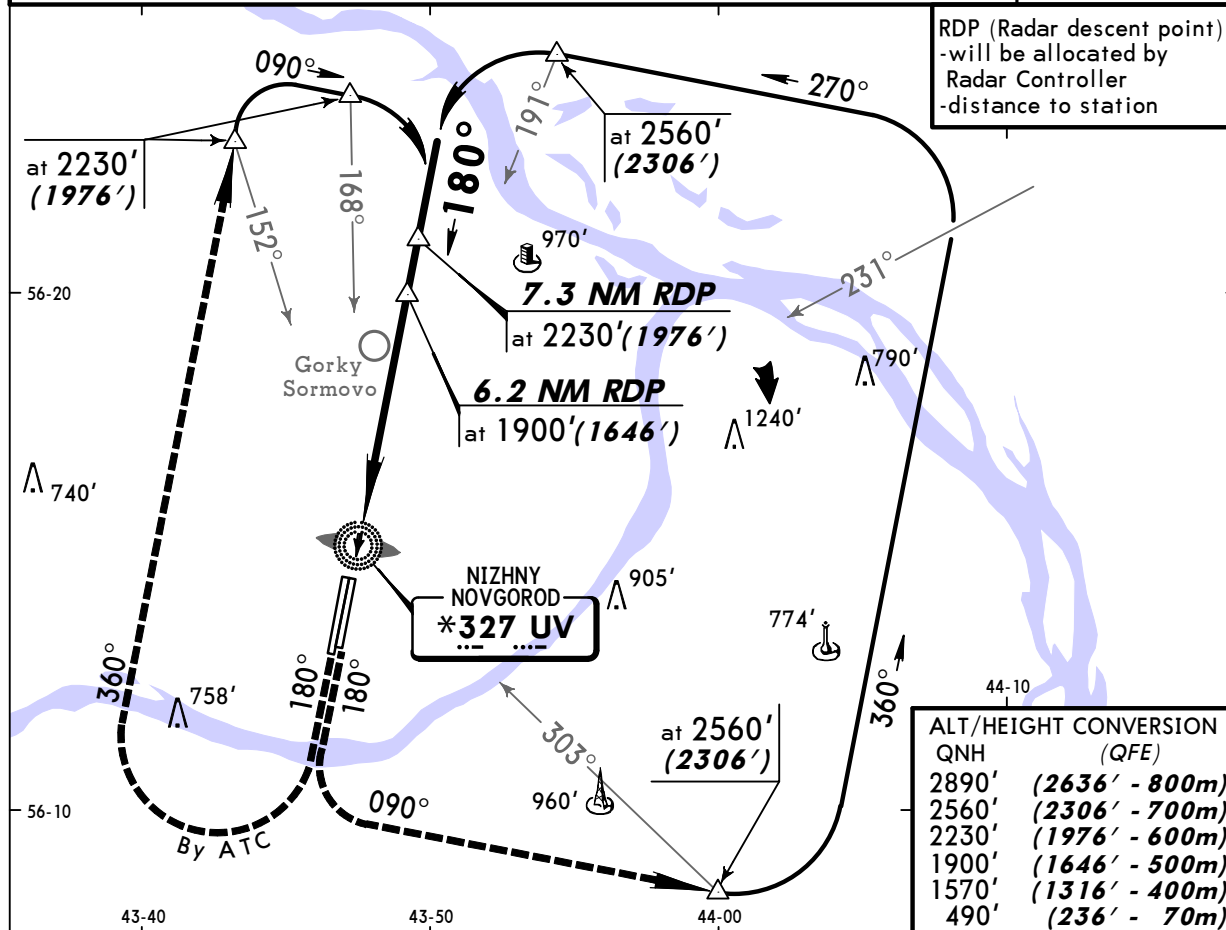
17 OCT 08

(16-1)

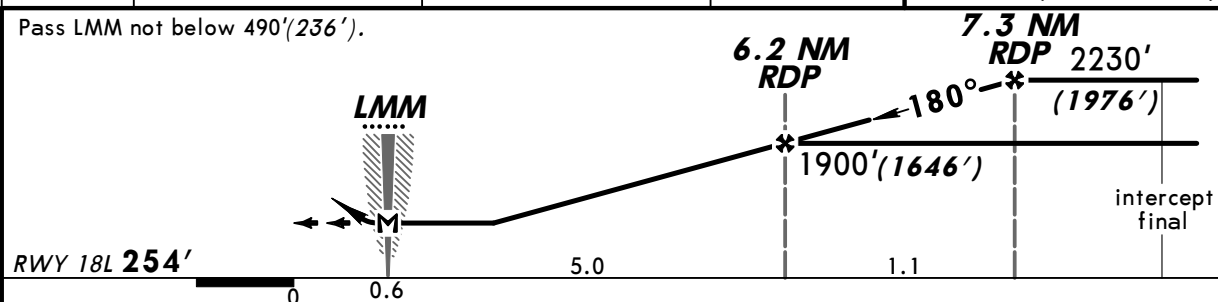
JEPPESEN NIZHNY NOVGOROD, RUSSIA
NDB Rwy 18L

BRIEFING STRIP

ATIS		NIZHNY Approach		NIZHNY Radar		NIZHNY Tower		Ground	
127.8		124.7 126.0		120.8		120.4		121.8	
NDB UV *327		Final Apch Crs 180°		Minimum Alt (CONDITIONAL) Refer to Profile		MDA(H) (CONDITIONAL) 700' (446')		Apt Elev 256' RWY 254'	
MISSED APCH: LEFT HAND: Climb on 180° to 1570' (1316'), then turn LEFT onto 090° climbing to 2560' (2306'), then as directed. RIGHT HAND: Climb on 180° to 1570' (1316'), then turn RIGHT onto 360° climbing to 2230' (1976'), then as directed.									
Alt Set: MM (hPa on req) QNH on req(QFE) Trans level: FL 39 Trans alt: 2890' (2636')									



Pass LMM not below 490' (236').



Gnd speed-Kts	70	90	100	120	140	160
Descent Gradient 4.7%	333	428	476	571	666	762
MAP at LMM						

Refer to
Missed Apch
above

STRAIGHT-IN LANDING RWY 18L

With FAF MDA(H) 700' (446')		W/o FAF MDA(H) 1250' (996')	
A	1600m	2000m	
B		2400m	
C	2000m	4800m	
D	2400m		

PANS OPS

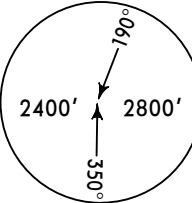
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17 OCT 08

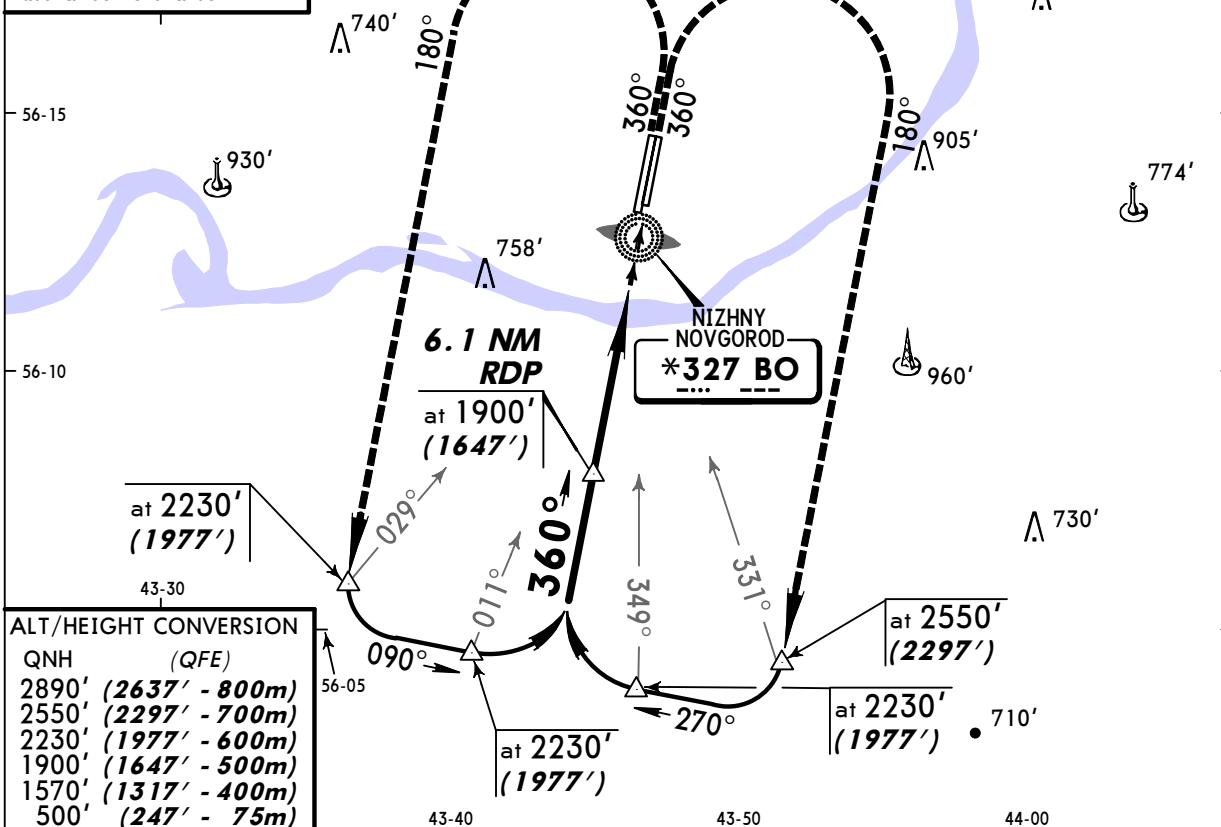
(16-2)

JEPPESEN NIZHNY NOVGOROD, RUSSIA
NDB Rwy 36R

BRIEFING STRIP

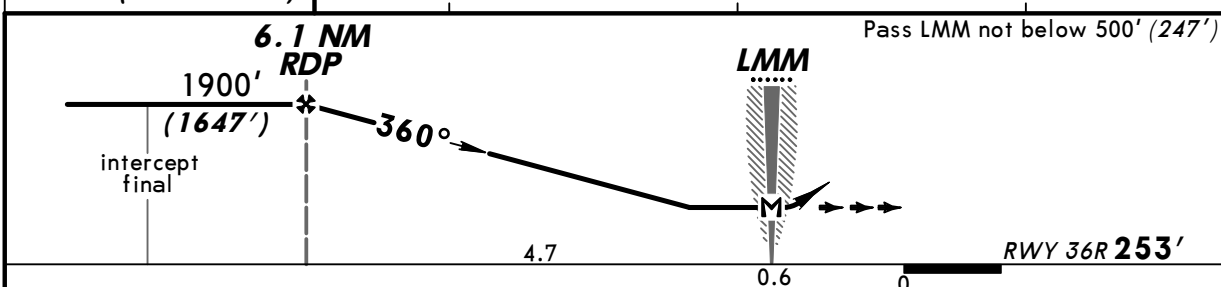
ATIS	NIZHNY Approach	NIZHNY Radar	NIZHNY Tower	Ground
127.8	124.7 126.0	120.8	120.4	121.8
NDB BO *327	Final Apch Crs 360°	Minimum Alt 6.1 NM RDP 1900' (1647')	MDA(H) (CONDITIONAL) 920' (667') Apt Elev 256' RWY 253'	 MSA BO NDB
MISSED APCH: RIGHT HAND: Climb on 360° to 1570' (1317'), then turn RIGHT onto 180° climbing to 2550' (2297'), then as directed. LEFT HAND: Climb on 360° to 1570' (1317'), then turn LEFT onto 180° climbing to 2230' (1977'), then as directed. Alt Set: MM (hPa on req) QNH on req(QFE) Trans level: FL 39 Trans alt: 2890' (2637')				

RDP (Radar descent point)
-will be allocated by
Radar Controller
-distance to station



ALT/HEIGHT CONVERSION

QNH	(QFE)
2890' (2637' - 800m)	
2550' (2297' - 700m)	
2230' (1977' - 600m)	
1900' (1647' - 500m)	
1570' (1317' - 400m)	
500' (247' - 75m)	



Gnd speed-Kts	70	90	100	120	140	160
Descent Gradient 4.9%	347	447	496	595	695	794
MAP at LMM						

Refer to Missed Apch above

STRAIGHT-IN LANDING RWY 36R			
With 6.1 NM RDP MDA(H) 920' (667')		W/o 6.1 NM RDP MDA(H) 1170' (917')	
A	1600m	2000m	
B			
C	2800m	4400m	
D	3200m	4800m	

CHANGES: MSA.

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