

USCM/MQF
MAGNITOGORSK

23 MAY 08

JEPPESEN

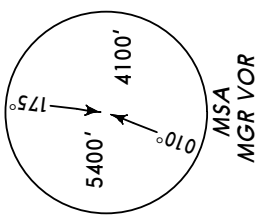
Eff 5 Jun

MAGNITOGORSK, RUSSIA

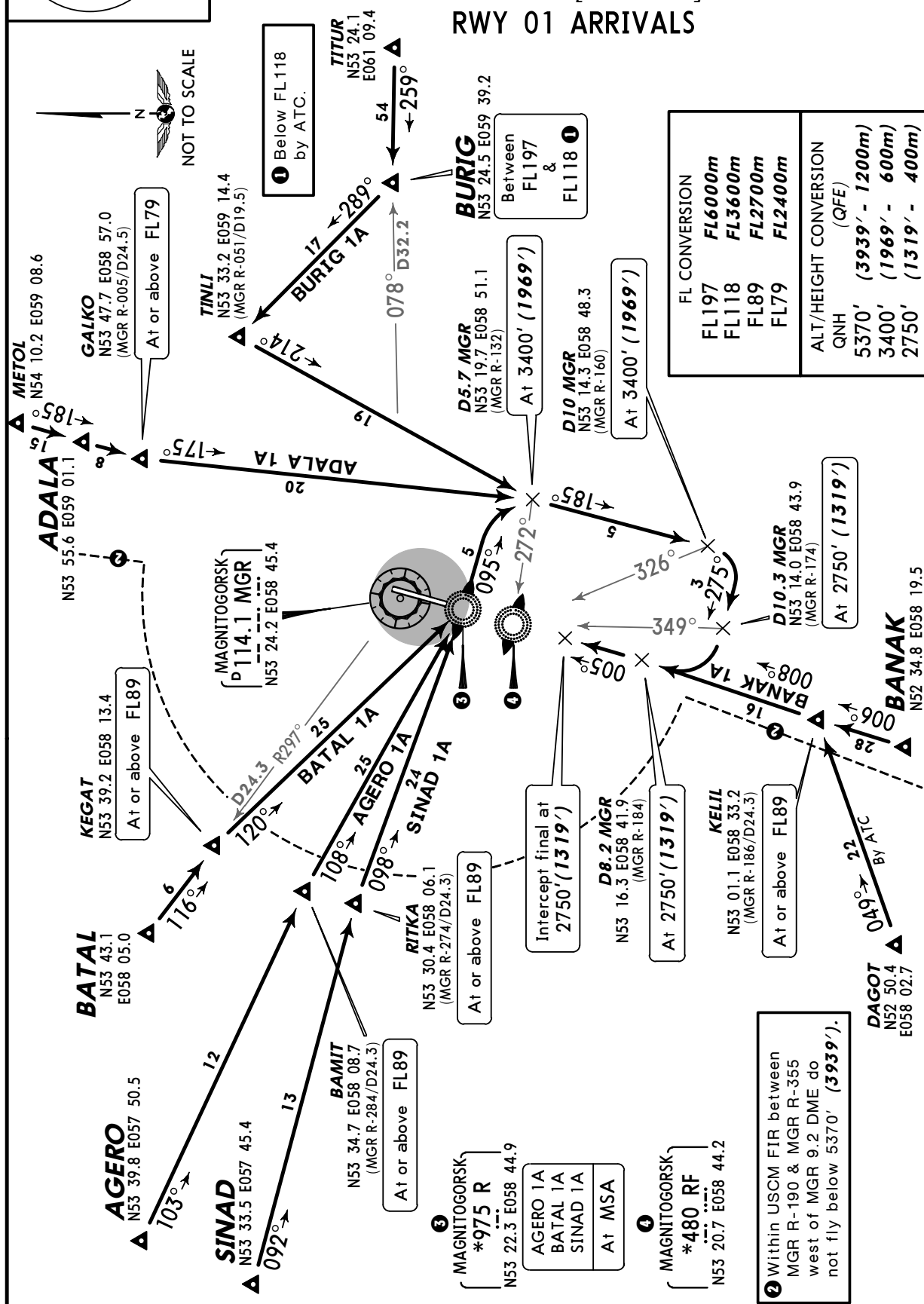
STAR

Apt Elev
1431'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3939')



ADALA 1A [ADAL1A], AGERO 1A [AGER1A]
BANAK 1A [BANA1A]
BATAL 1A [BATA1A], BURIG 1A [BUR11A]
SINAD 1A [SINA1A]
RWY 01 ARRIVALS



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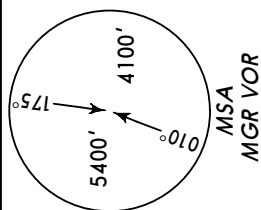
23 MAY 08

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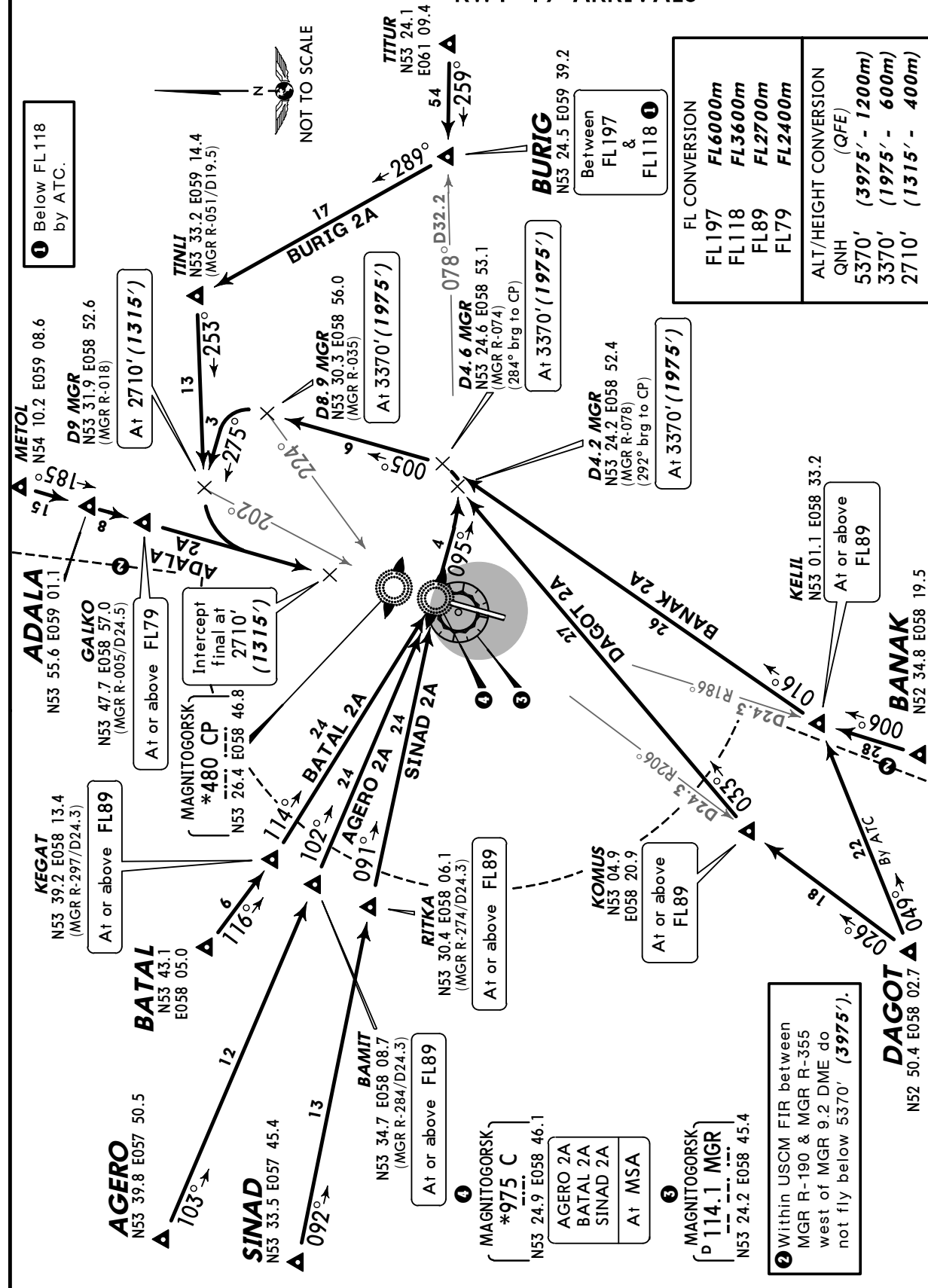
STAR

Apt Elev
1431'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3975')



ADALA 2A [ADAL2A], AGERO 2A [AGER2A]
BANAK 2A [BANA2A], BATAL 2A [BATA2A]
BURIG 2A [BURI2A], DAGOT 2A [DAGO2A]
SINAD 2A [SINA2A]
RWY 19 ARRIVALS



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23 MAY 08

10-3

Eff 5 Jun

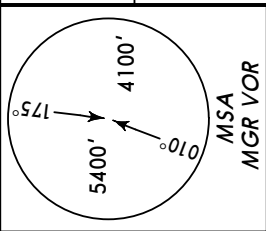
MAGNITOGORSK, RUSSIA

SID

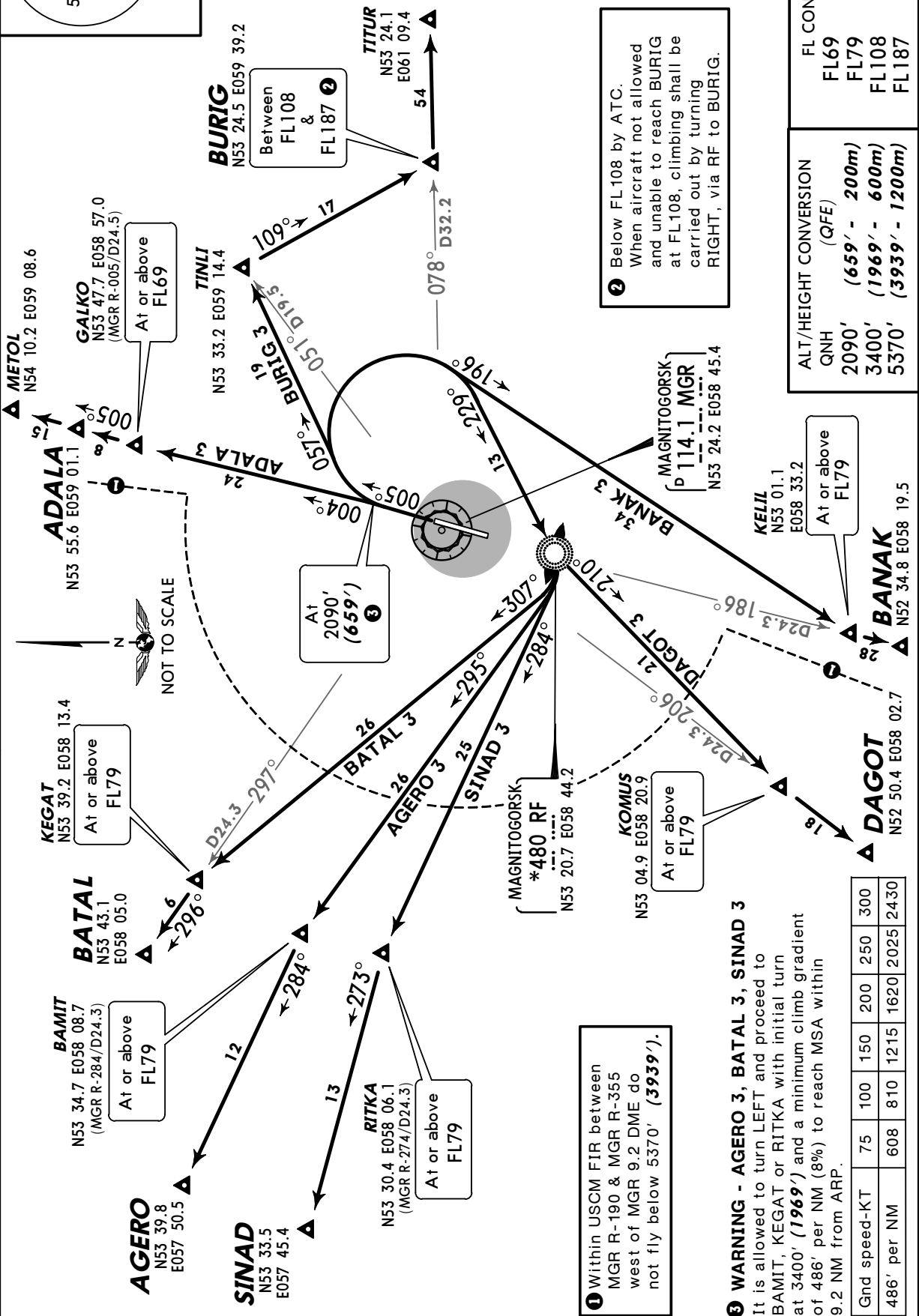
Apt Elev
1431'

QNH on request (QFE)

Trans level: By ATC Trans alt: 5370' (3939')



ADALA 3, AGERO 3, BANAK 3, BATAL 3 BURIG 3, DAGOT 3, SINAD 3 RWY 01 DEPARTURES



FL CONVERSION
FL69
FL79
FL108
FL187

ALT/HEIGHT CONVERSION (QFE)
QNH
2090' (659' - 200m)
3400' (1969' - 600m)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3939').

③ WARNING - AGERO 3, BATAL 3, SINAD 3
It is allowed to turn LEFT and proceed to
BAMIT, KEGAT or RITKA with initial turn
at 3400' (1969') and a minimum climb gradient
of 486' per NM (8%) to reach MSA within
9.2 NM from ARP.

Gnd speed-KT	75	100	150	200	250	300
486' per NM	608	810	1215	1620	2025	2430

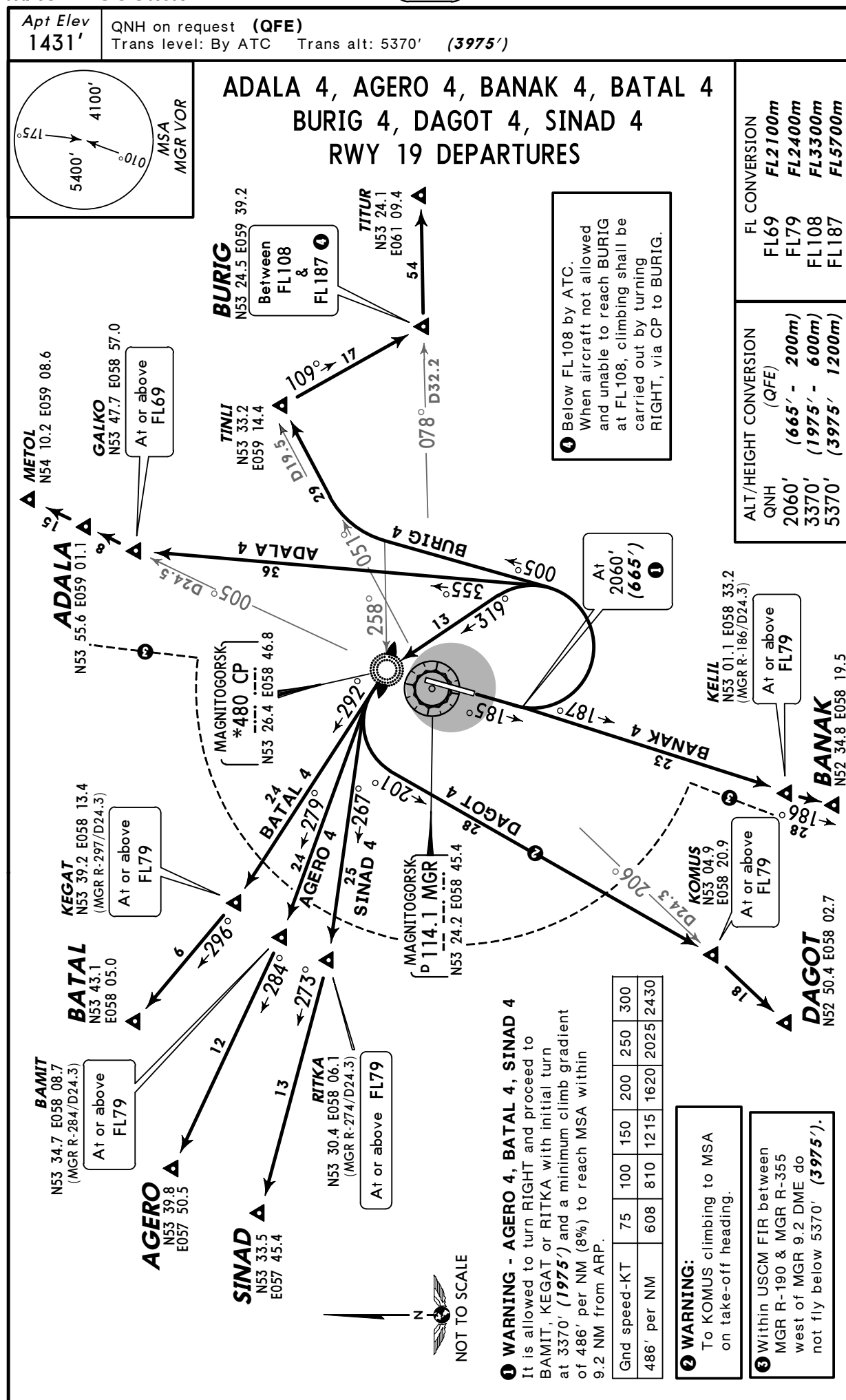
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23 MAY 08

10-3A

Eff 5 Jun

SID



USCM/MQF

Apt Elev **1431'**
N53 23.6 E058 45.4



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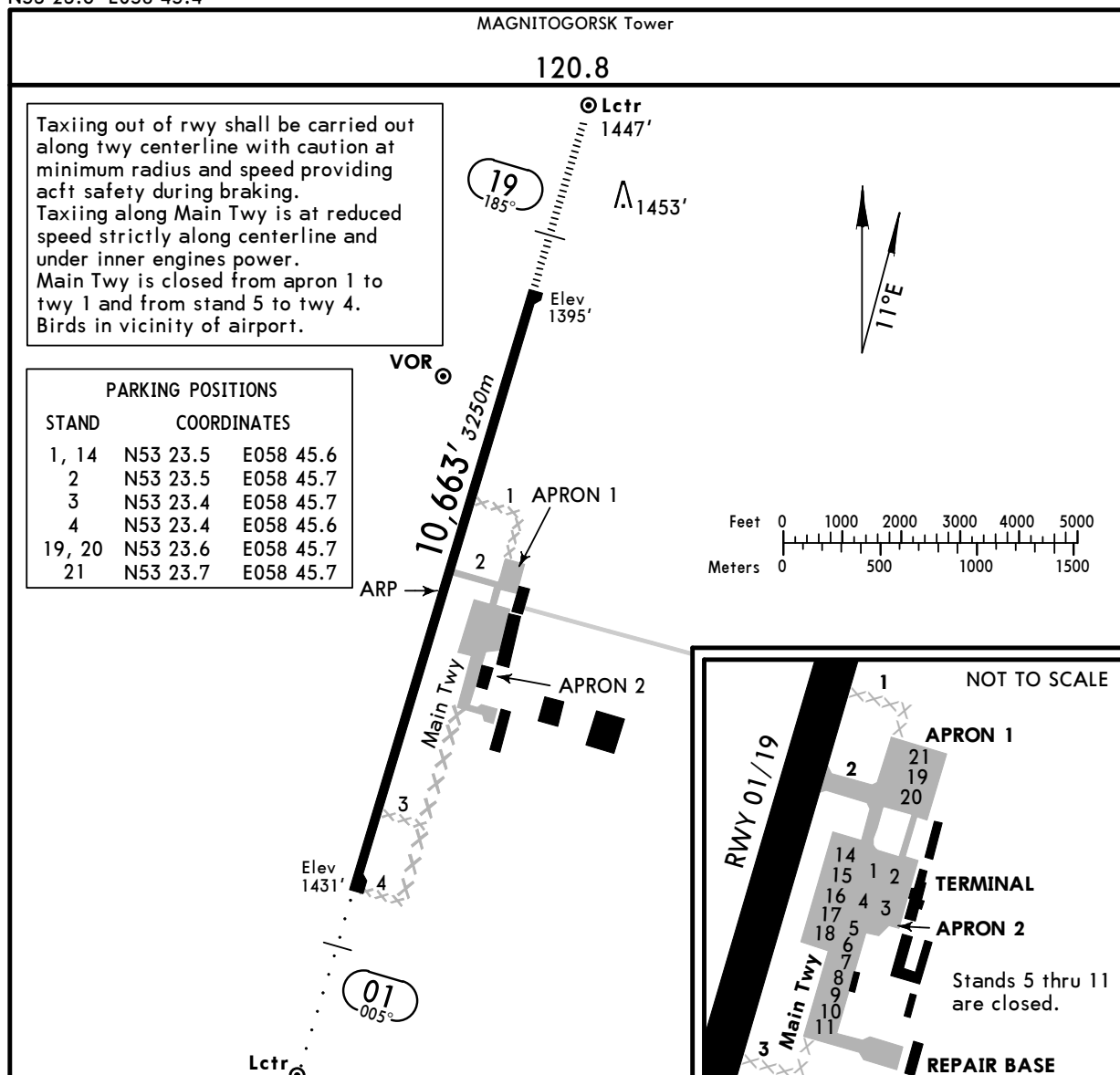
7 NOV 08

(10-9)

Eff 20 Nov

Taxiing out of rwy shall be carried out along twy centerline with caution at minimum radius and speed providing acft safety during braking. Taxiing along Main Twy is at reduced speed strictly along centerline and under inner engines power. Main Twy is closed from apron 1 to twy 1 and from stand 5 to twy 4. Birds in vicinity of airport.

PARKING POSITIONS		
STAND	COORDINATES	
1, 14	N53 23.5	E058 45.6
2	N53 23.5	E058 45.7
3	N53 23.4	E058 45.7
4	N53 23.4	E058 45.6
19, 20	N53 23.6	E058 45.7
21	N53 23.7	E058 45.7



ADDITIONAL RUNWAY INFORMATION

					USABLE LENGTHS			WIDTH
					LANDING BEYOND		TAKE-OFF	
RWY					Threshold	Glide Slope		
01	HIRL (60m)	ALS		RVR		9509' 2898m	10,335' 3150m ①	148' 45m
19	HIRL (60m)	HIALS	PAPI-L(2.67°)	RVR				

① First 328'/100m unusable for take-off.

TAKE-OFF

AIR CARRIER (JAA)

All Rwy's

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A

B

C

D

250m

300m

400m

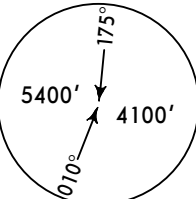
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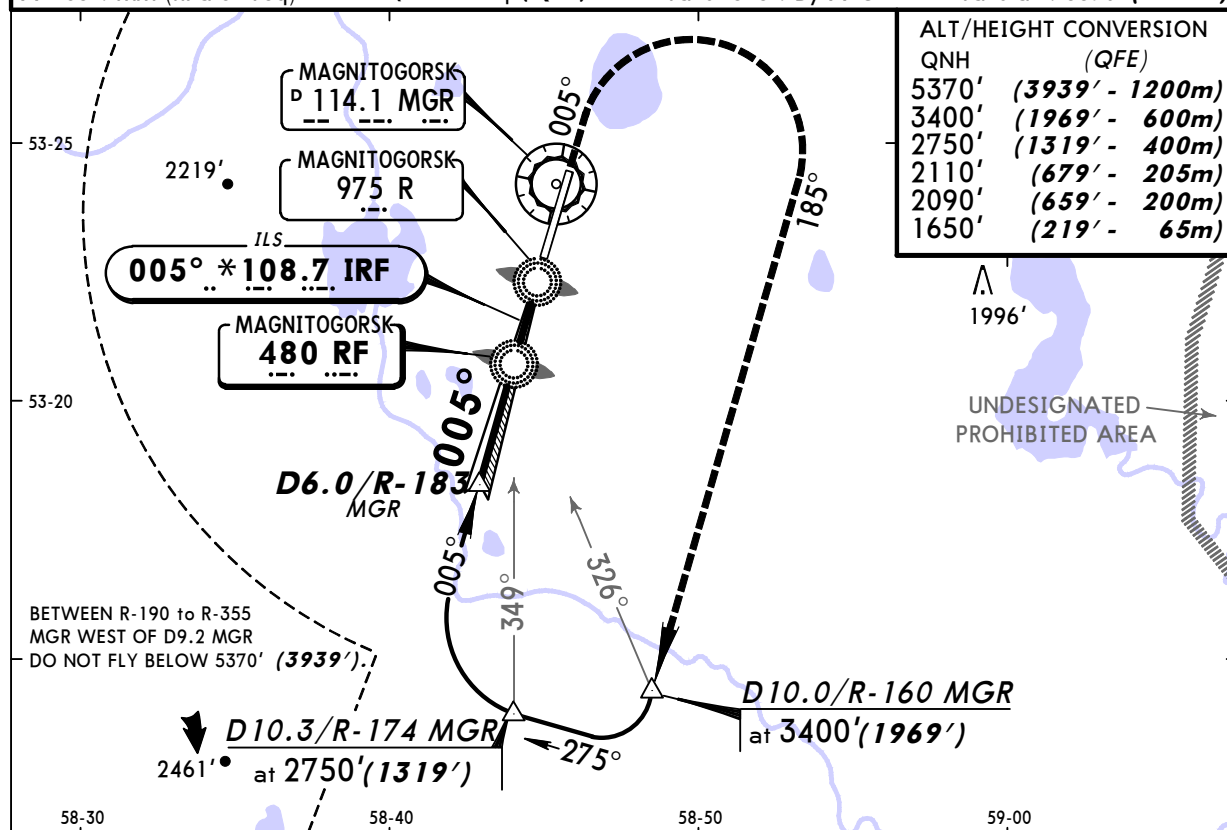
JEPPESEN
7 NOV 08
Eff 20 Nov

(11-1)

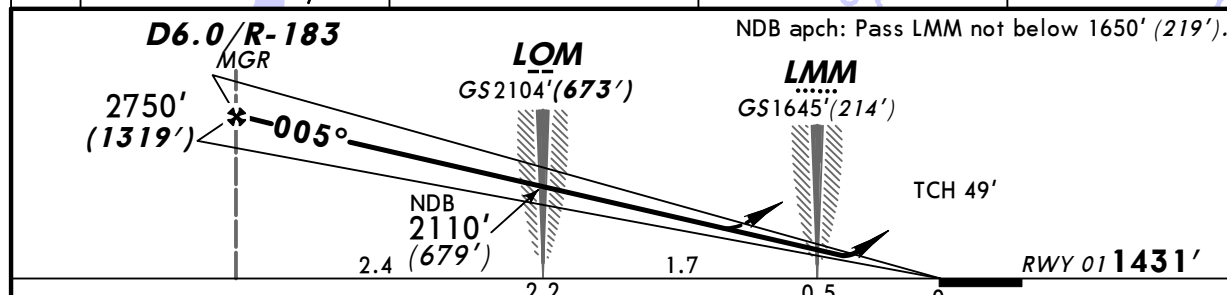
MAGNITOGORSK, RUSSIA ILS or 2 NDB Rwy 01

BRIEFING STRIP

MAGNITOGORSK Tower						
120.8						
LOC IRF *108.7	Final Apch Crs 005°	GS LOM 2104'(673')	ILS DA(H) 1631'(200')	Apt Elev 1431' RWY 1431'		
NDB RF 480		Minimum Alt D6.0 MGR 2750'(1319')	NDB MDA(H) 1740'(309')			
MISSED APCH: Climb on 005° to 2090' (659'), then turn RIGHT onto 185° climbing to 3400' (1969'), then according to chart.						MSA MRG VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: By ATC		
				Trans alt: 5370' (3939')		



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3939' - 1200m)
3400'	(1969' - 600m)
2750'	(1319' - 400m)
2110'	(679' - 205m)
2090'	(659' - 200m)
1650'	(219' - 65m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	2090' (659')	on 005°	185°	3400' (1969')
ILS GS 2.67° or NDB Desc Grad 4.7%	336	432	480	576	671	767	...	↑		RT	↑

STRAIGHT-IN LANDING RWY 01							
ILS		LOC	NDB				
DA(H) 1631'(200')		(GS out)	MDA(H) 1740'(309')				
FULL		ALS out			ALS out		
A	1200m		NOT AUTH		RVR 1500m VIS 1600m		
B							
C							
D							

PANS OPS

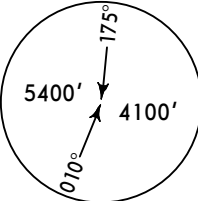
USCM/MQF MAGNITOGORSK

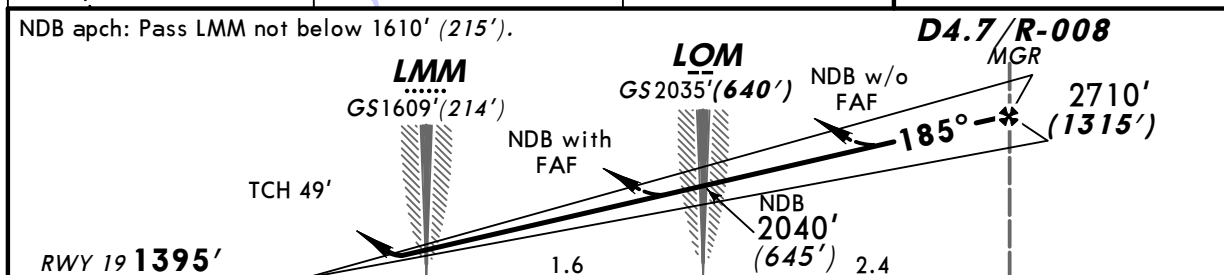
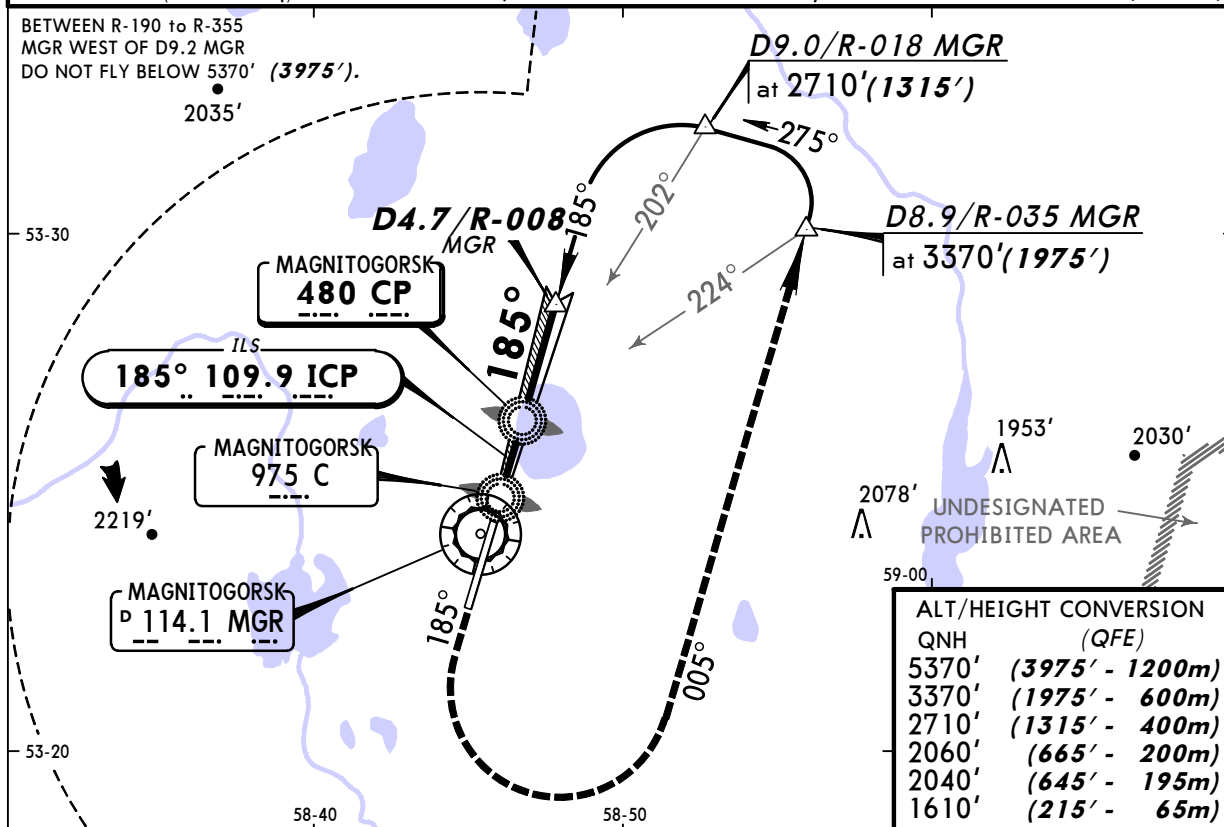
7 NOV 08
Eff 20 Nov

11-2

MAGNITOGORSK, RUSSIA ILS or 2 NDB Rwy 19

BRIEFING STRIP

MAGNITOGORSK Tower						
120.8						
LOC ICP 109.9	Final Apch Crs 185°	GS LOM 2035'(640')	ILS DA(H) 1595'(200')	Apt Elev 1431' RWY 1395'		
NDB CP 480		Minimum Alt D4.7 MGR 2710'(1315')	NDB MDA(H) (CONDITIONAL) 1980'(585')			
MISSED APCH: Climb on 185° to 2060'(665'), then turn LEFT onto 005° climbing to 3370'(1975'), then according to chart.						MSA MGR VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)	Trans level: By ATC	Trans alt: 5370' (3975')		



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2060' (665')	on 185°	005°	3370' (1975')
ILS GS 2.67° or NDB Desc Grad 4.7%	336	432	480	576	671	767	PAPI			LT	

STRAIGHT-IN LANDING RWY 19					
ILS DA(H) 1595'(200')		LOC (GS out)	NDB with FAF MDA(H) 1980'(585')		NDB w/o FAF MDA(H) 2220'(825')
FULL	ALS out		ALS out		ALS out
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTH	3200m	3200m
D				4000m	4400m

PANS OPS

USCM/MQF
MAGNITOGORSK

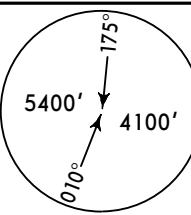
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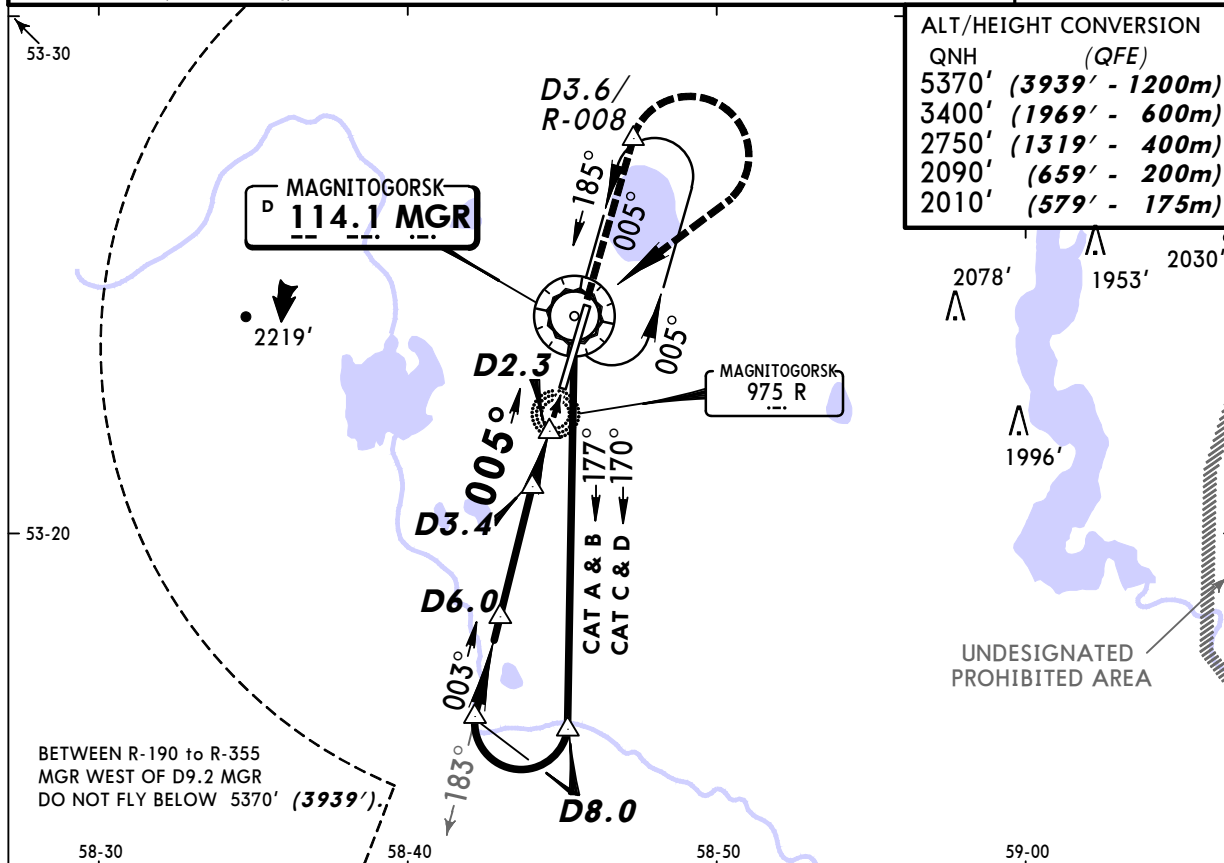
13-1

Eff 20 Nov

MAGNITOGORSK, RUSSIA
VOR DME Rwy 01

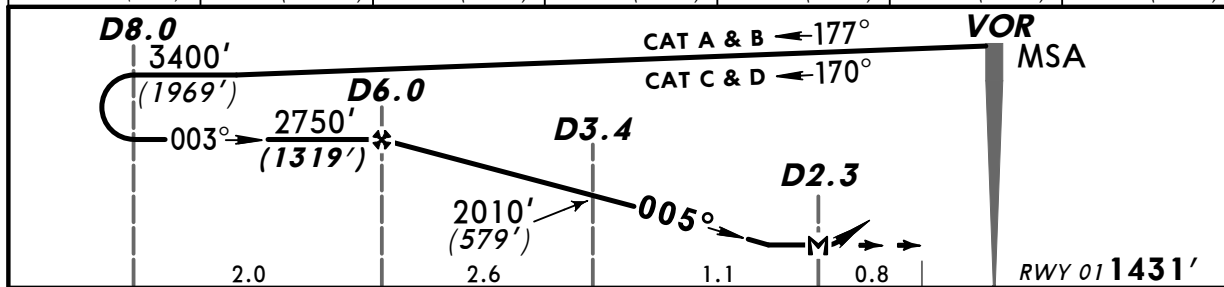
BRIEFING STRIP

MAGNITOGORSK Tower					
120.8					
VOR MGR 114.1	Final Apch Crs 005°	Minimum Alt D6.0 2750'(1319')	MDA(H) Refer to Minimums	Apt Elev 1431' RWY 1431'	
MISSED APCH: Climb on 005° to 2090'(659') or above. At D3.6 turn RIGHT to VOR climbing to 3400'(1969'), then according to chart.					
Alt Set: MM (hPa on req) QNH on req(QFE) Trans level: By ATC Trans alt: 5370(3939')					
					MSA MGR VOR



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3939' - 1200m)
3400'	(1969' - 600m)
2750'	(1319' - 400m)
2090'	(659' - 200m)
2010'	(579' - 175m)

MGR DME	5.3	4.8	4.2	3.7	3.2	2.6
ALTITUDE (HAT)	2570'(1139')	2400'(969')	2260'(829')	2090'(659')	1940'(509')	1800'(369')



Gnd speed-Kts	70	90	100	120	140	160	ALS  MIM 2090'(659') on 005°
Descent Gradient 4.7%	333	428	476	571	666	762	
MAP at D2.3							

STRAIGHT-IN LANDING RWY 01	
MDA(H) ABC: 1690'(259') D: 1740'(309')	
ALS out	
A	RVR 1500m VIS 1600m
B	
C	
D	

PANS OPS

USCM/MQF
MAGNITOGORSK

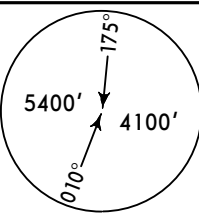
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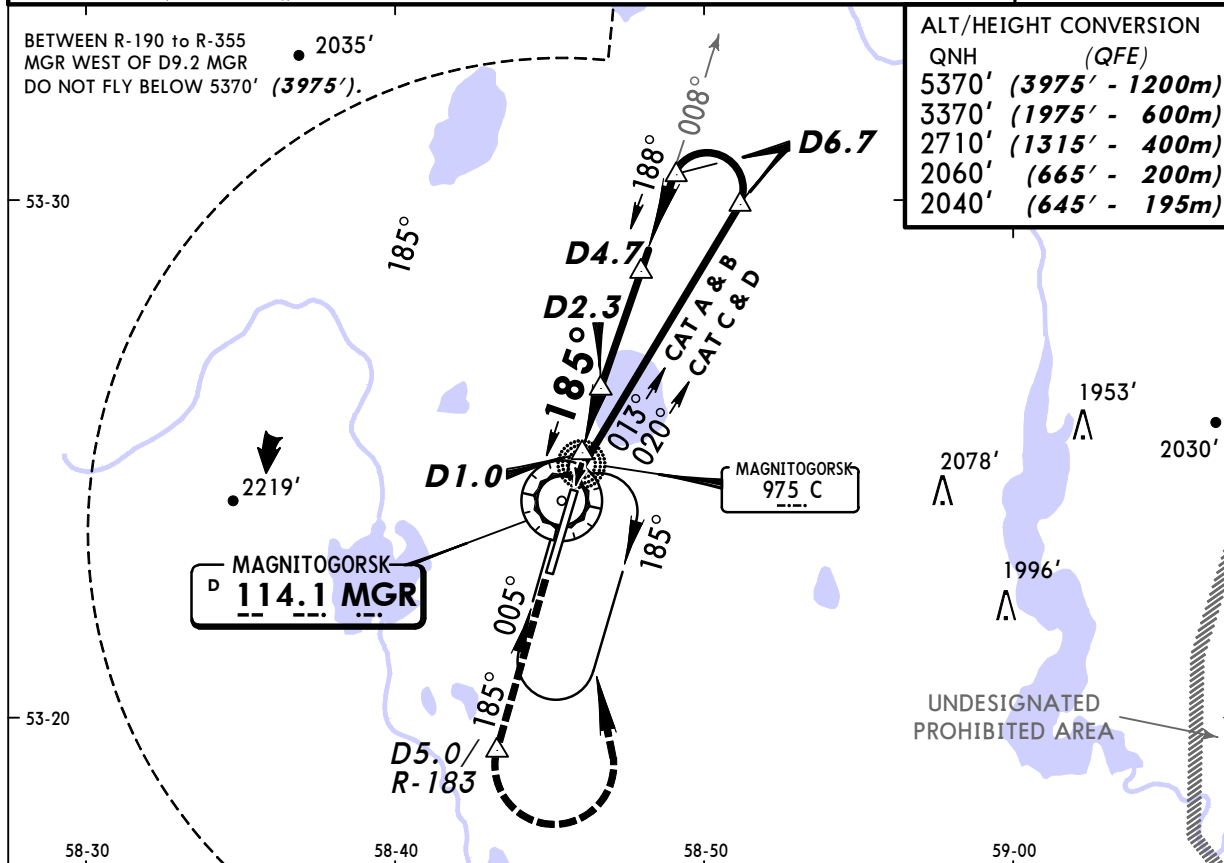
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Eff 20 Nov

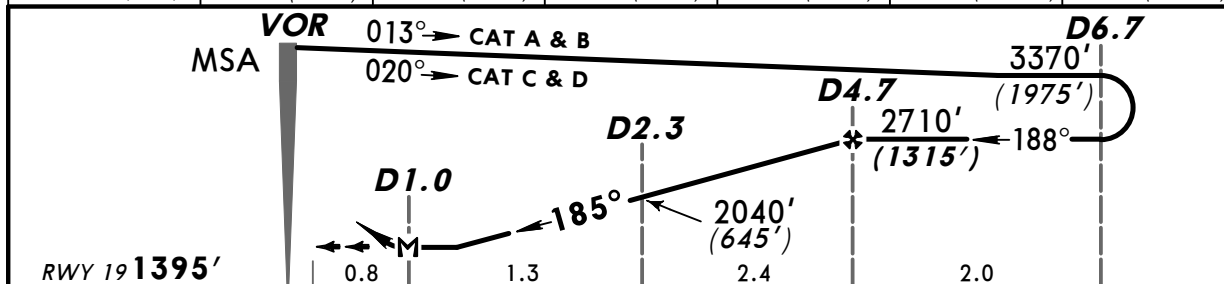
MAGNITOGORSK, RUSSIA
VOR DME Rwy 19

BRIEFING STRIP

MAGNITOGORSK Tower					
120.8					
VOR MGR 114.1	Final Apch Crs 185°	Minimum Alt D4.7 2710'(1315')	MDA(H) 1710'(315')	Apt Elev 1431' RWY 1395'	
MISSED APCH: Climb on 185° to 2060'(665') or above. At D5.0 turn LEFT to VOR climbing to 3370'(1975'), then according to chart.					
Alt Set: MM (hPa on req) QNH on req(QFE) Trans level: By ATC Trans alt: 5370(3975')					
					MSA MGR VOR



MGR DME	1.3	1.8	2.9	3.5	4.0	4.5
ALTITUDE (HAT)	1760' (365')	1910' (515')	2220' (825')	2370' (975')	2530' (1135')	2680' (1285')



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI	MIM 2060' (665') on 185°
Descent Gradient 4.7%	333	428	476	571	666	762		
MAP at D1.0								

STRAIGHT-IN LANDING RWY 19					
MDA(H) 1710'(315')					
		ALS out			
A	1200m	RVR 1500m VIS 1600m			
B					
C					
D	RVR 1500m VIS 1600m				

PANS OPS