

Page 1

Changed chart(s) since Disc 26-2012

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport USCM

USCM (Magnitogorsk)**General Info**

Magnitogorsk, RUS

N 53° 23.6' E 58° 45.4' Mag Var: 11.0°E

Elevation: 1430'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 no DST

Runway Info

Runway 01-19 10663' x 148' concrete

Runway 01 (5.0°M) TDZE 1430'

Lights: Edge, ALS

Runway 19 (185.0°M) TDZE 1394'

Lights: Edge, ALS

Communications InfoATIS **132.8**Magnitogorsk Tower **124.0** SecondaryMagnitogorsk Tower **120.8** MF**Notebook Info**

USCM/MQF
MAGNITOGORSK

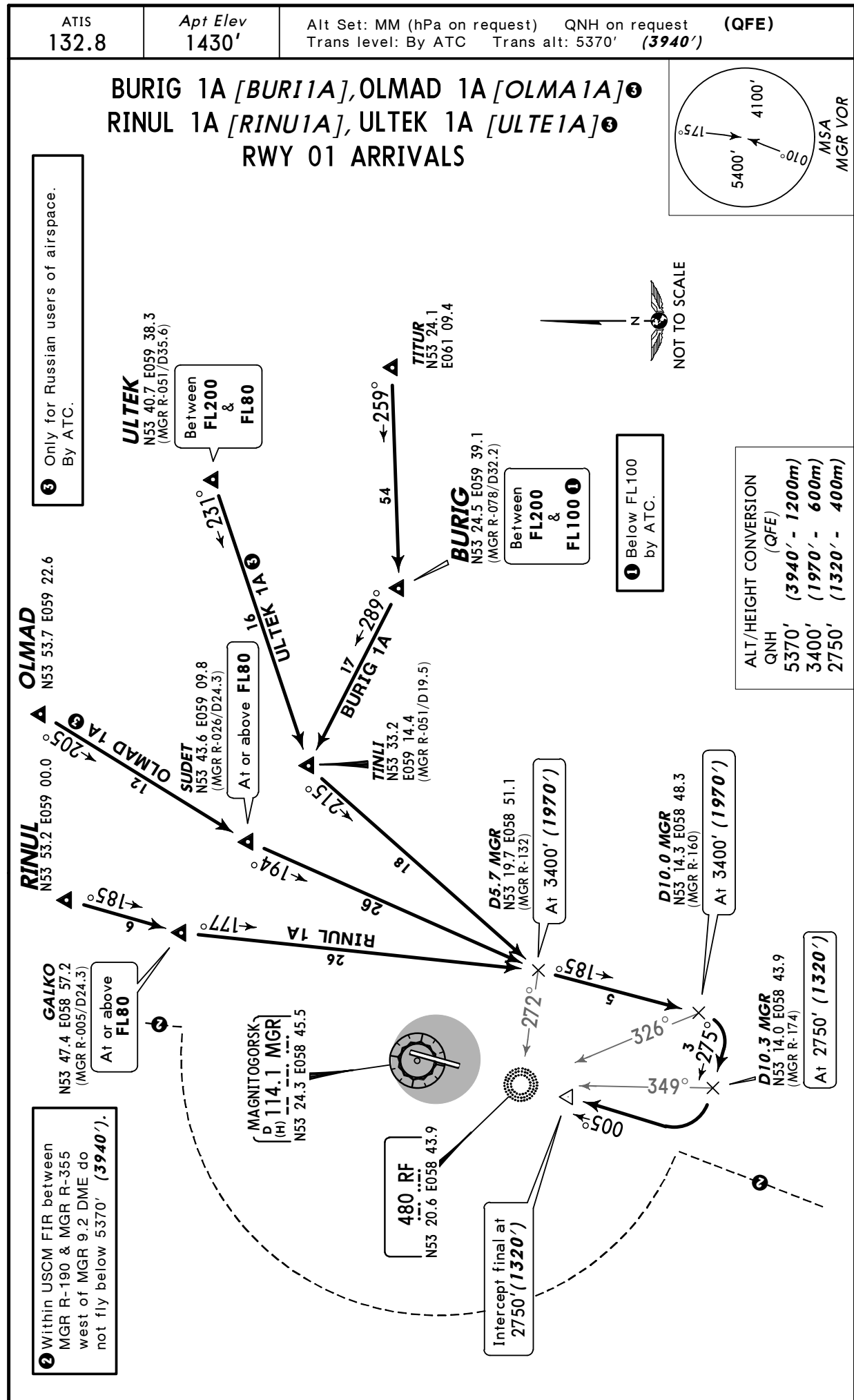
4 MAY 12

10-2

JEPPESEN

MAGNITOGORSK, RUSSIA

STAR



USCM/MQF
MAGNITOGORSK

4 MAY 12

10-2A

MAGNITOGORSK, RUSSIA

STAR

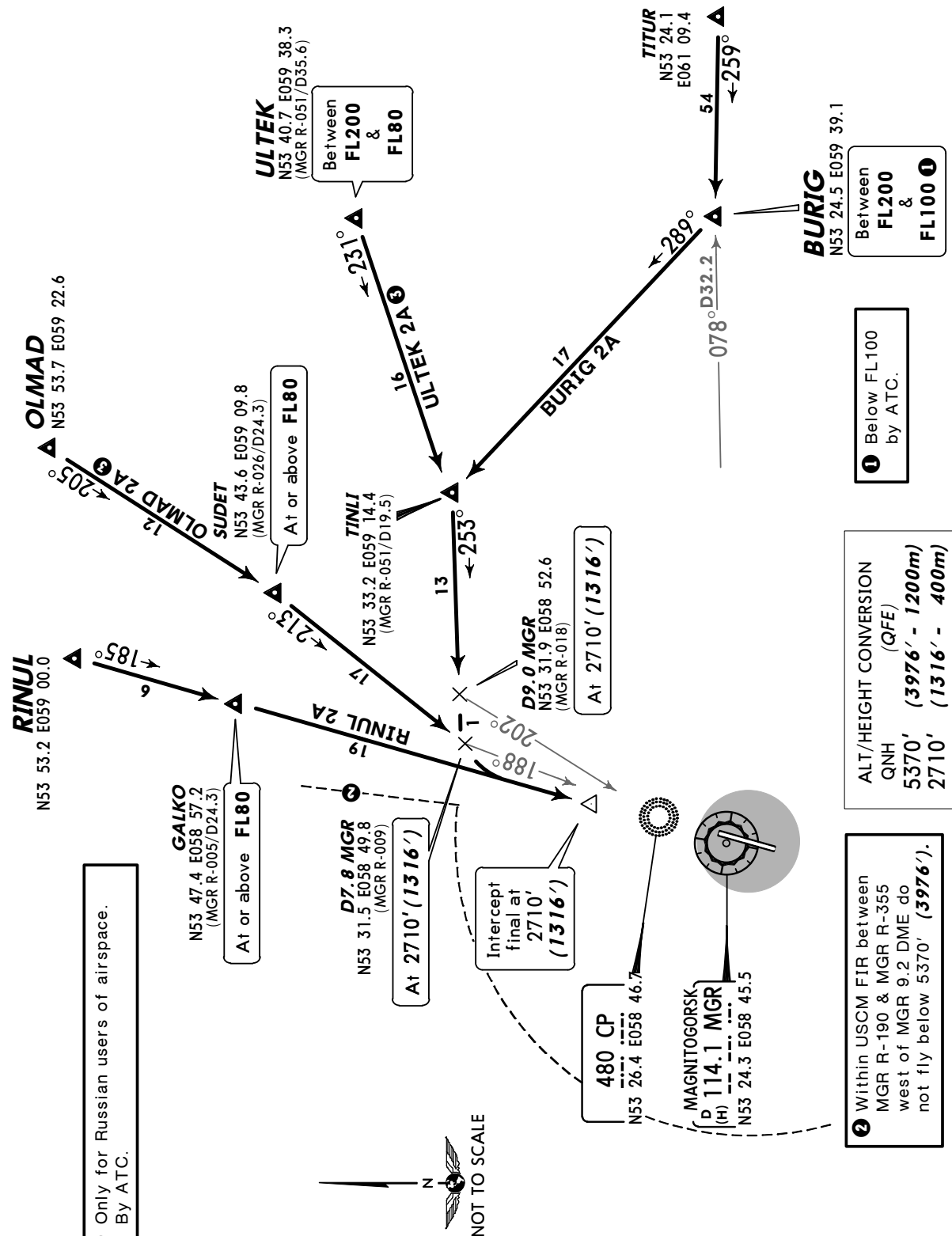
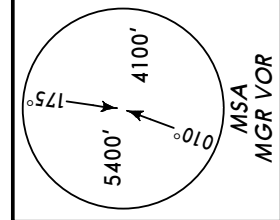
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

(QFE)

BURIG 2A [BURI2A], OLMAD 2A [OLMA2A] ③
RINUL 2A [RINU2A], ULTEK 2A [ULTE2A] ③
RWY 19 ARRIVALS



③ Only for Russian users of airspace.
By ATC.

Below FL100
by ATC.

ALT/HEIGHT CONVERSION
QNH (QFE)
5370' (3976' - 1200m)
2710' (1316' - 400m)

② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

**USCM/MQF
MAGNITOGORSK**

4 MAY 12

JEPPESEN

MAGNITOGORSK, RUSSIA

STAR

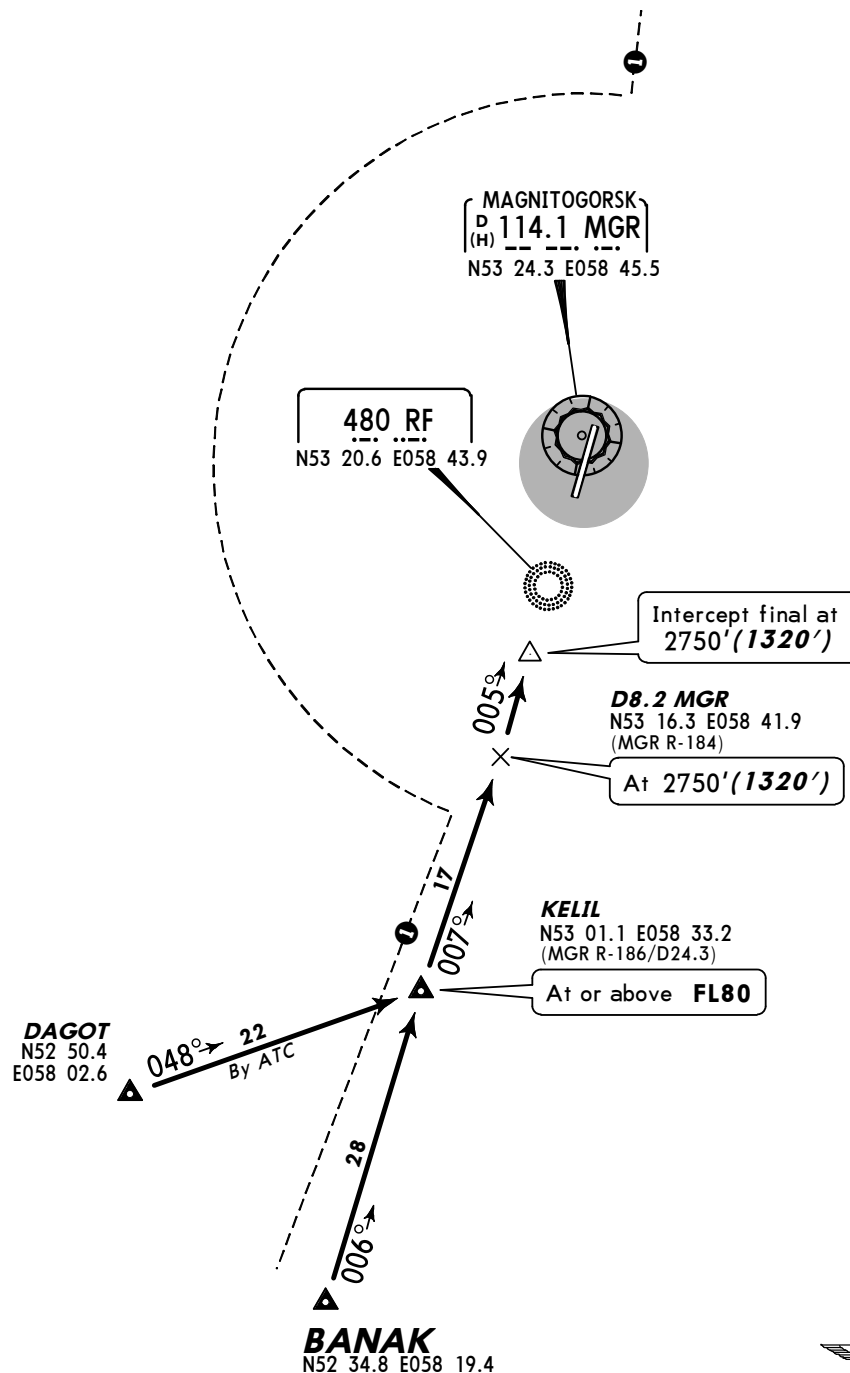
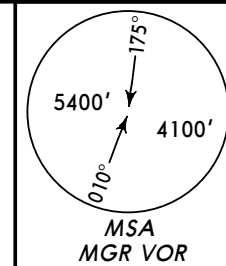
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' **(3940')**

(QFE)

BANAK 1A [BANA 1A]
RWY 01 ARRIVAL



① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' **(3940')**.

ALT/HEIGHT CONVERSION
QNH (QFE)
5370' (3940' - 1200m)
2750' (1320' - 400m)

USCM/MQF
MAGNITOGORSK

JEPPESEN
4 MAY 12 10-2C

MAGNITOGORSK, RUSSIA

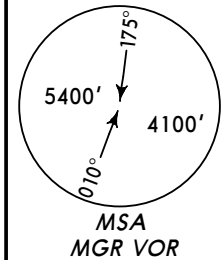
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ATIS
132.8

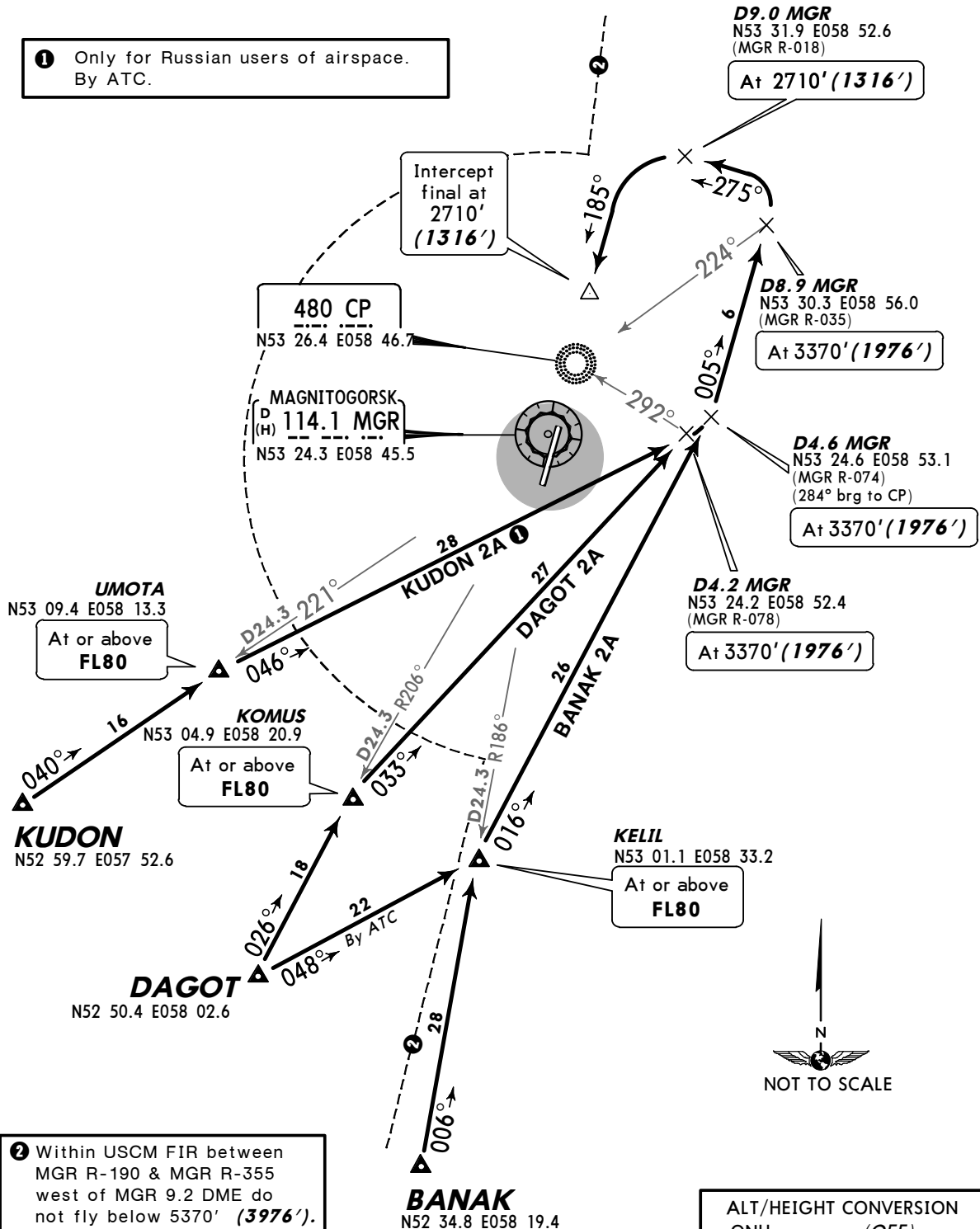
Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')

BANAK 2A [BANA2A], DAGOT 2A [DAGO2A]
KUDON 2A [KUDO2A]①
RWY 19 ARRIVALS



① Only for Russian users of airspace.
By ATC.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

USCM/MQF
MAGNITOGORSK

4 MAY 12 **10-2D**

MAGNITOGORSK, RUSSIA

STAR

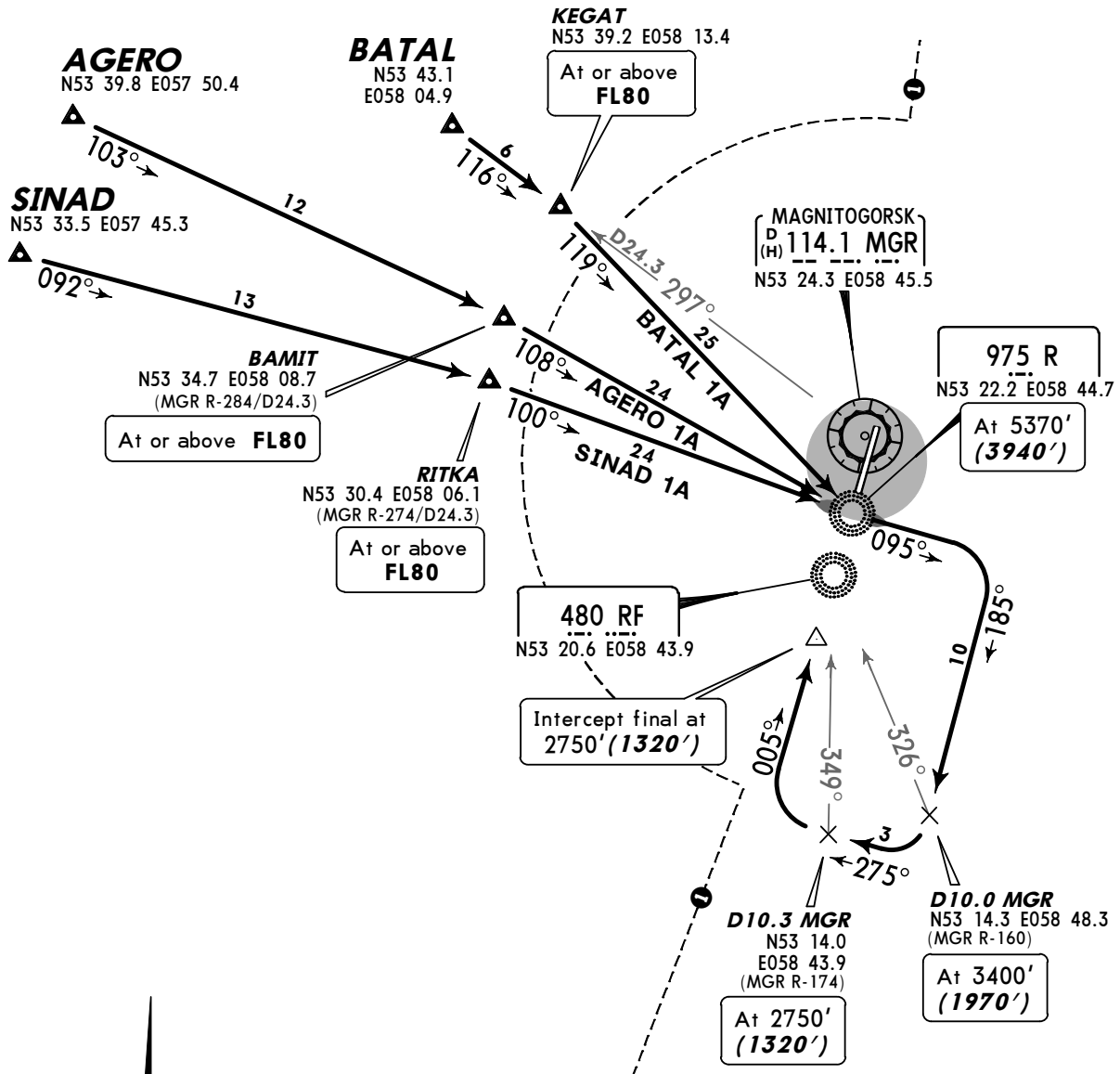
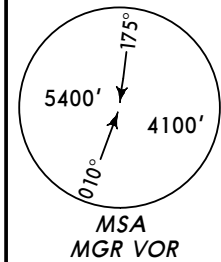
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

AGERO 1A [AGER1A], BATL 1A [BATA1A]
SINAD 1A [SINA1A]
RWY 01 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3940' - 1200m)
3400'	(1970' - 600m)
2750'	(1320' - 400m)

① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3940').

USCM/MQF
MAGNITOGORSK

JEPPESEN
4 MAY 12 10-2E

MAGNITOGORSK, RUSSIA

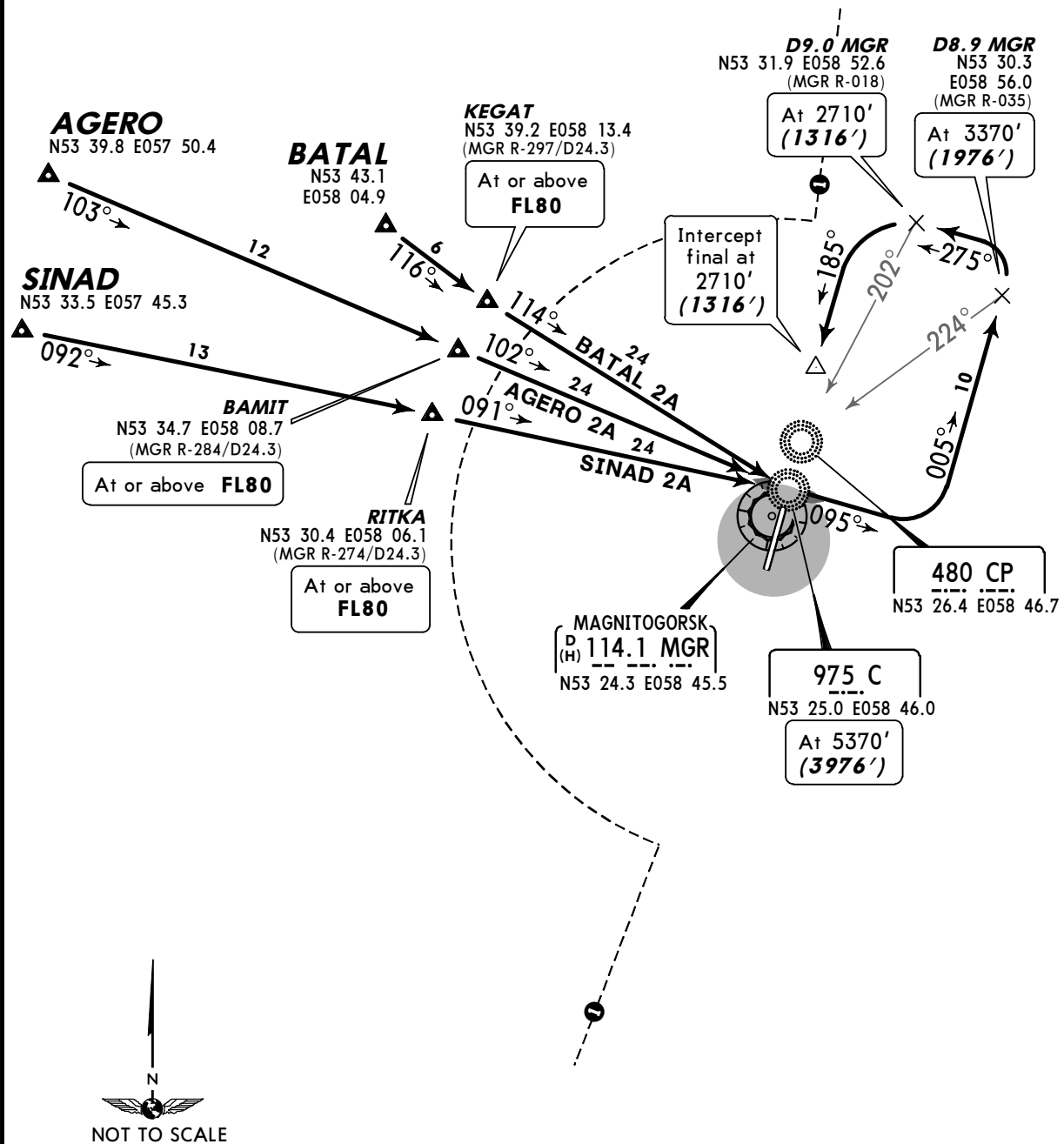
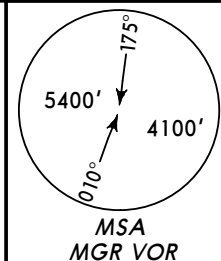
STAR

ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')

AGERO 2A [AGER2A], BATAL 2A [BATA2A]
SINAD 2A [SINA2A]
RWY 19 ARRIVALS



ALT/HEIGHT CONVERSION

QNH (QFE)
5370' (3976' - 1200m)
3370' (1976' - 600m)
2710' (1316' - 400m)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

USCM/MQF
MAGNITOGORSK

1 JUN 12

10-2F

JEPPESEN

MAGNITOGORSK, RUSSIA

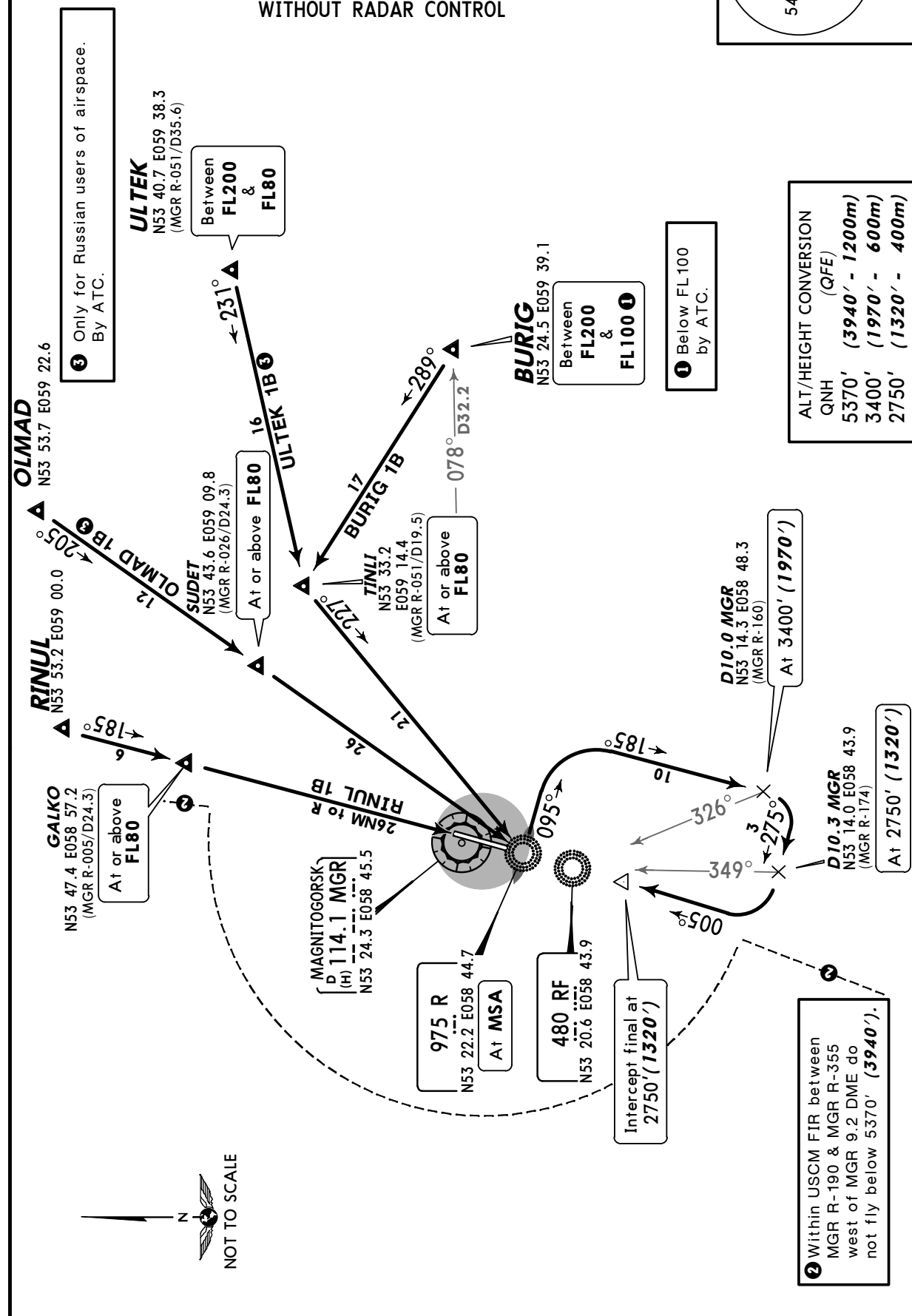
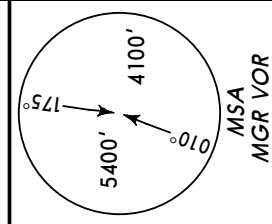
STAR

ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3940')

BURIG 1B [BURI1B], OLMAD 1B [OLMA1B] ③
RINUL 1B [RINU1B], ULTEK 1B [ULTE1B] ③
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL



USCM/MQF MAGNITOGORSK

1 JUN 12

10-2G

MAGNITOGORSK, RUSSIA

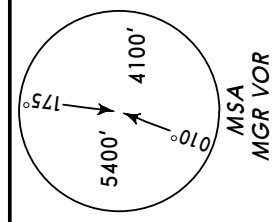
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ATIS
132.8

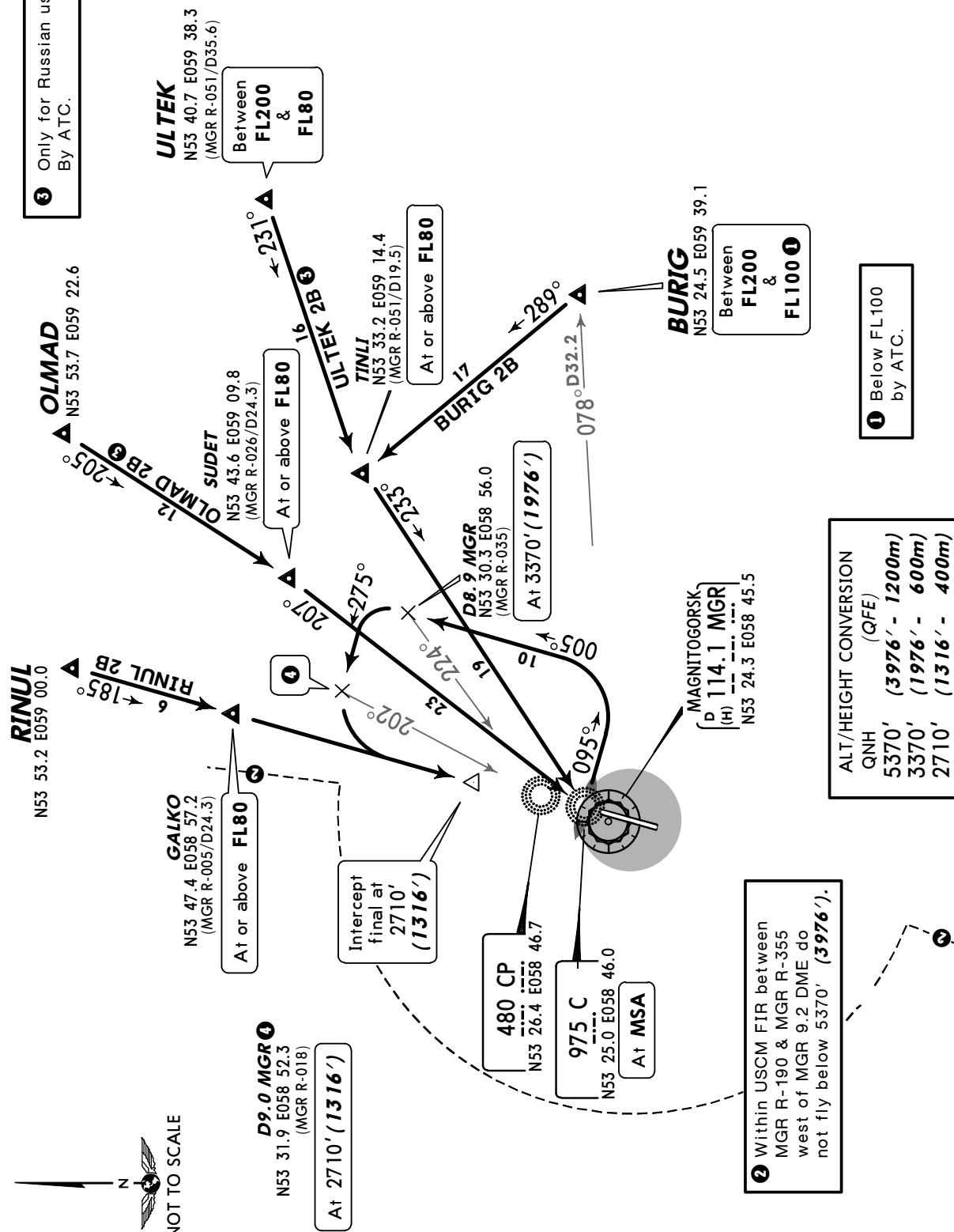
Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')

BURIG 2B [BUR12B], OLMAD 2B [OLMA2B] ③
RINUL 2B [RINU2B], ULTEK 2B [ULTE2B] ③
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL



③ Only for Russian users of airspace.
By ATC.



USCM/MQF
MAGNITOGORSK

4 MAY 12

10-2H

JEPPESEN

MAGNITOGORSK, RUSSIA

STAR

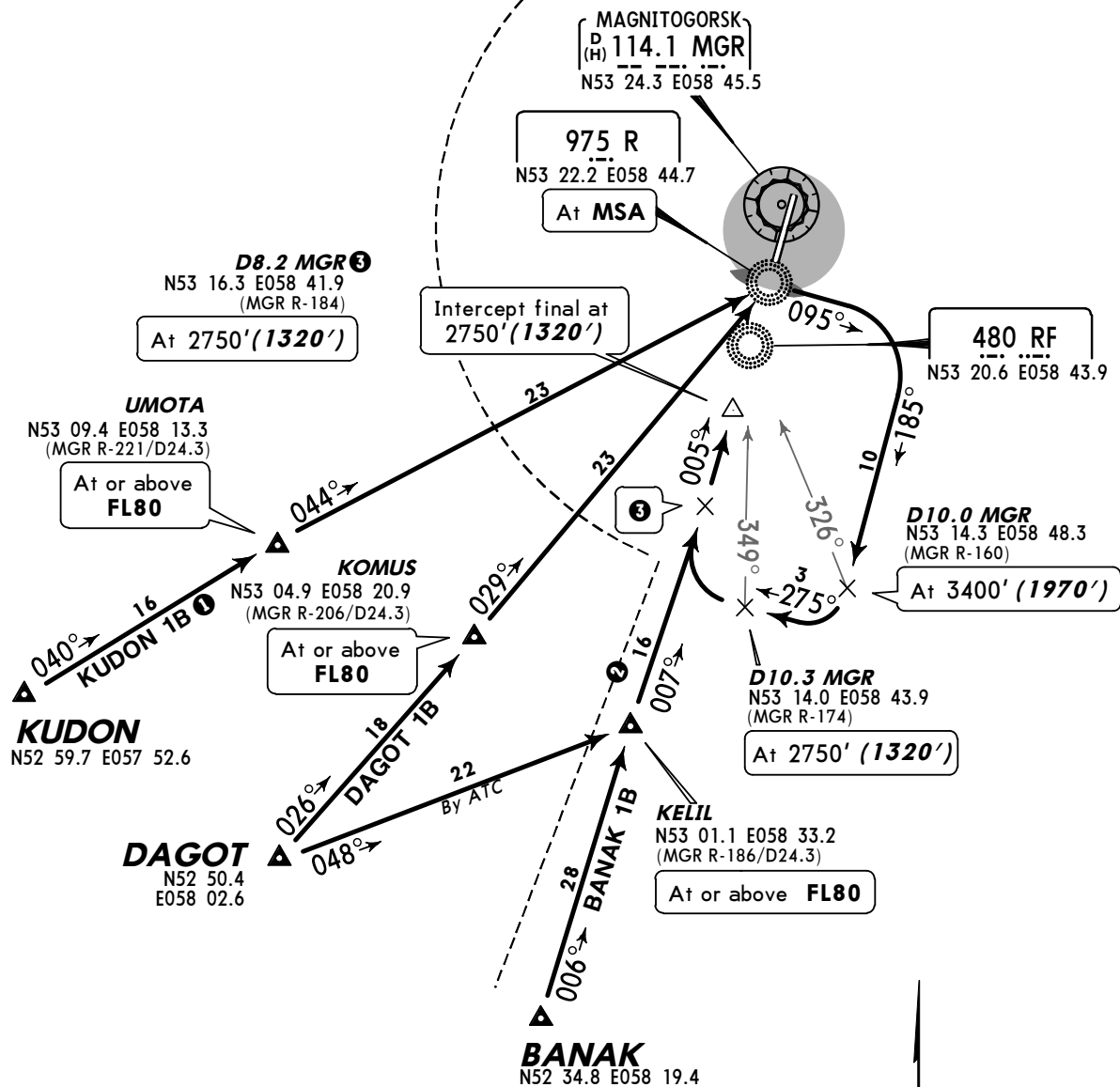
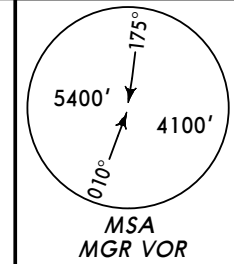
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

BANAK 1B [BANA1B], DAGOT 1B[DAGO1B]
KUDON 1B[KUDO1B]①
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL



① Only for Russian users of airspace.
By ATC.

② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3940').

ALT/HEIGHT CONVERSION

QNH (QFE)

5370' (3940' - 1200m)

3400' (1970' - 600m)

2750' (1320' - 400m)

USCM/MQF
MAGNITOGORSK

JEPPESEN
4 MAY 12 (10-2J)

MAGNITOGORSK, RUSSIA

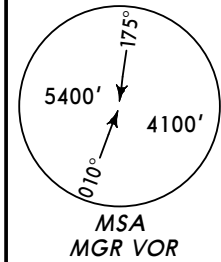
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ATIS
132.8

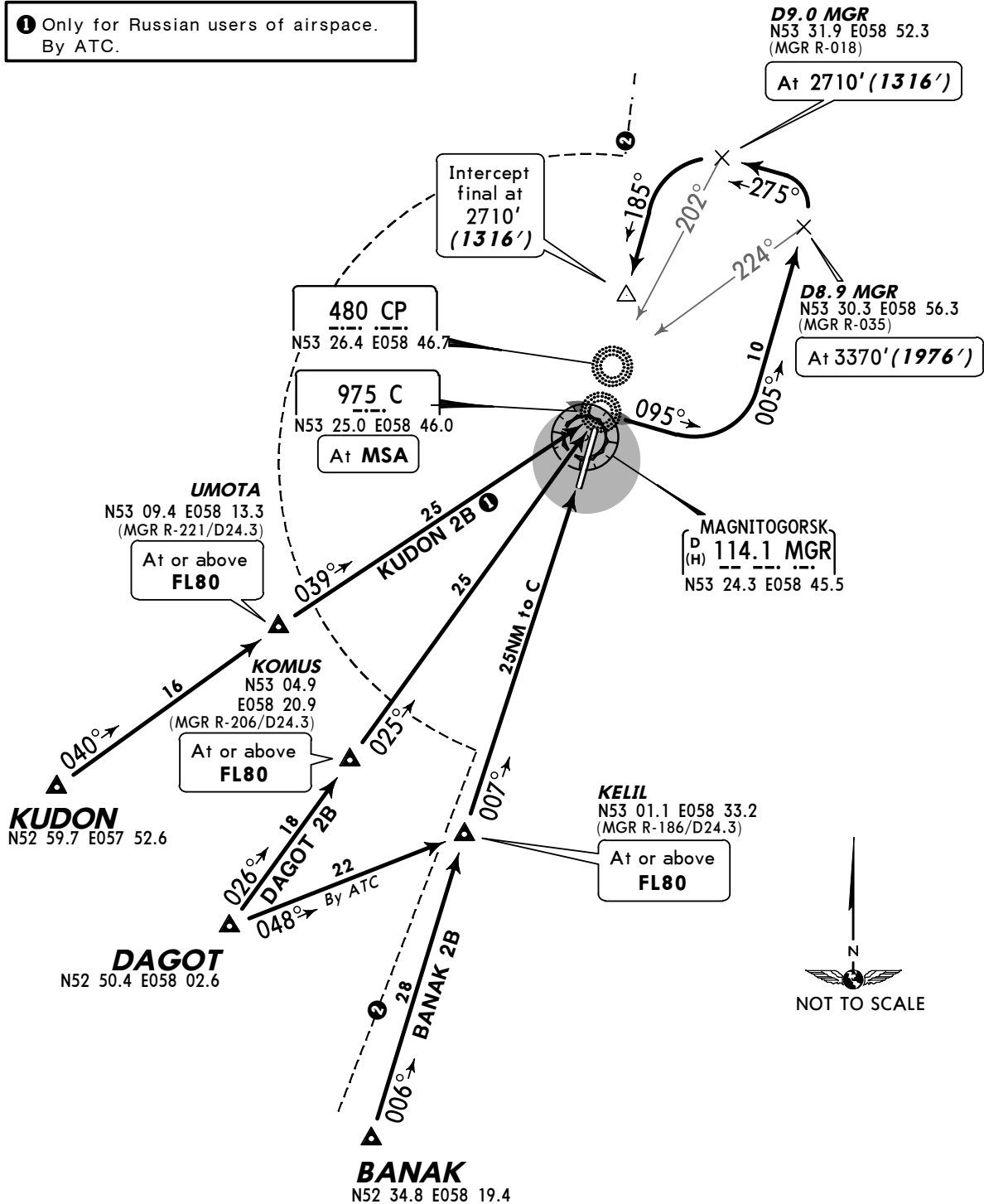
Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')

BANAK 2B [BANA2B], DAGOT 2B [DAGO2B]
KUDON 2B [KUDO2B]①
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL



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By ATC.



② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

USCM/MQF
MAGNITOGORSK

JEPPESSEN
4 MAY 12 10-2K

MAGNITOGORSK, RUSSIA

STAR

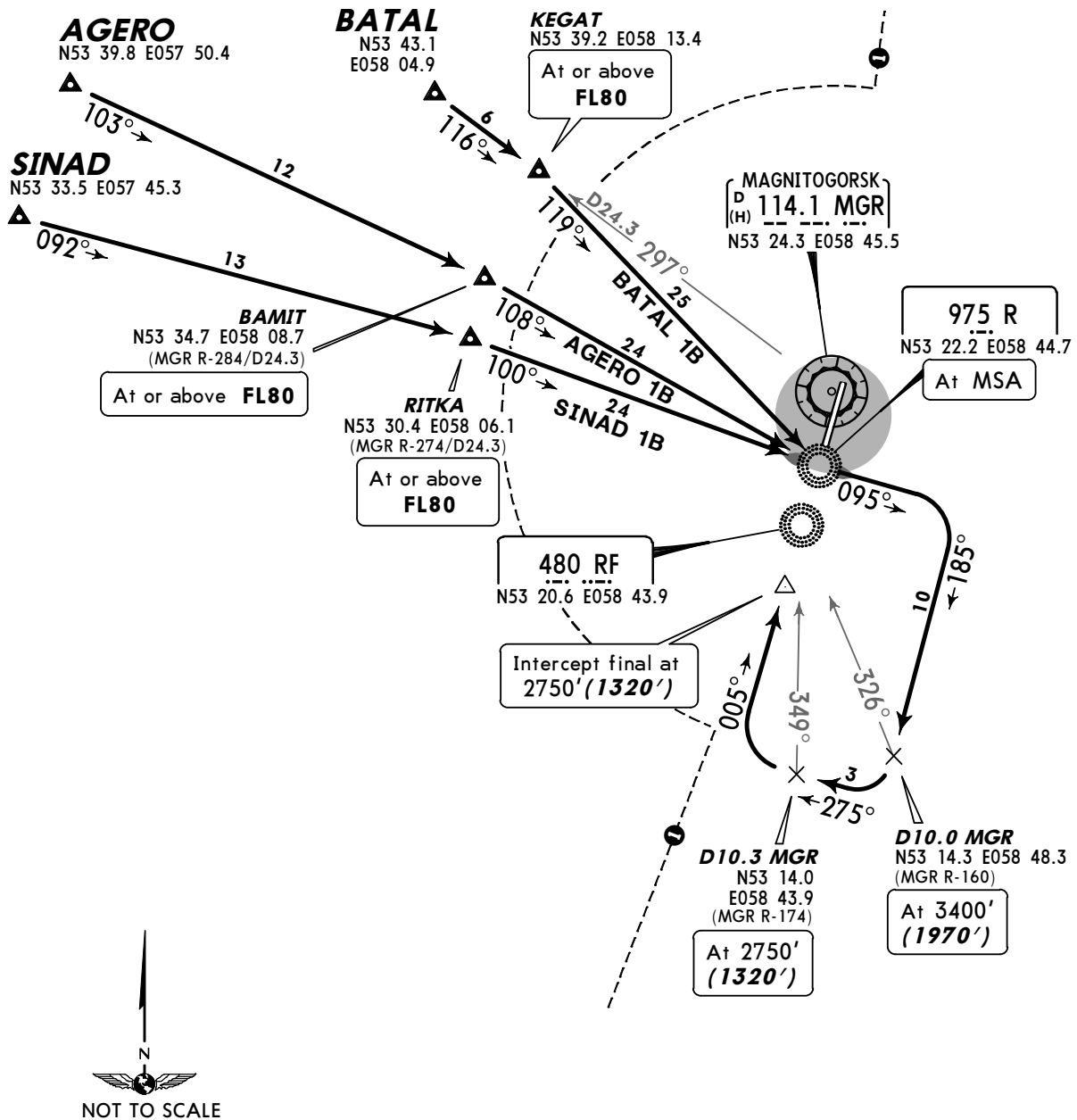
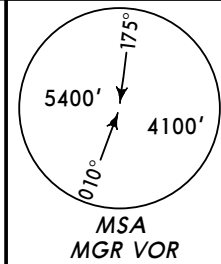
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

AGERO 1B [AGER1B], Batal 1B [BATA1B]
SINAD 1B [SINA1B]
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3940' - 1200m)
3400'	(1970' - 600m)
2750'	(1320' - 400m)

① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3940').

USCM/MQF
MAGNITOGORSK

4 MAY 12

10-2L

MAGNITOGORSK, RUSSIA

STAR

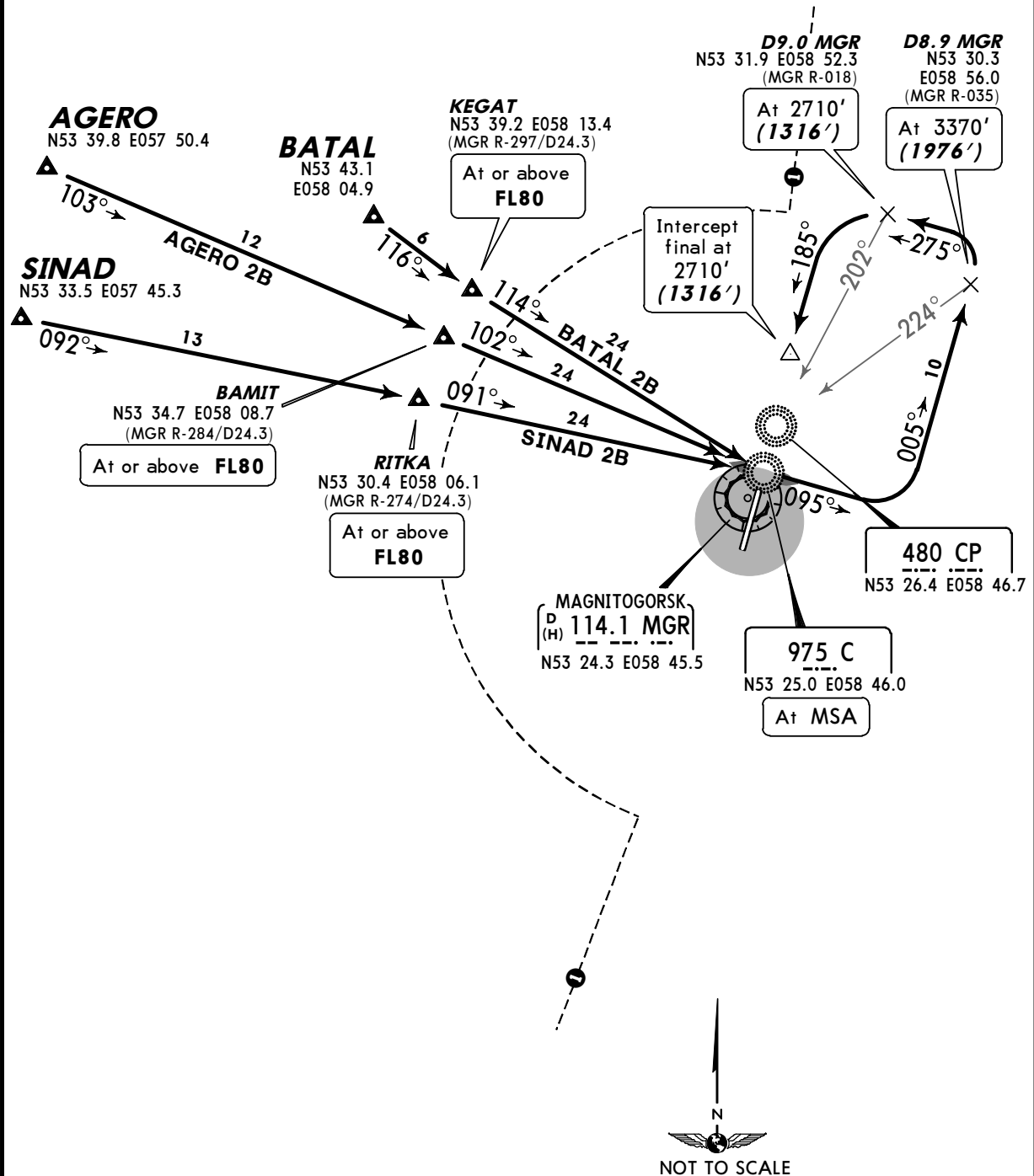
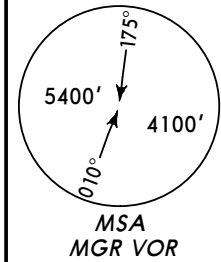
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

(QFE)

AGERO 2B [AGER2B], BATAL 2B [BATA2B]
SINAD 2B [SINA2B]
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL



ALT/HEIGHT CONVERSION

QNH (QFE)

5370' (3976' - 1200m)

3370' (1976' - 600m)

2710' (1316' - 400m)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

USCM/MQF
MAGNITOGORSK

4 MAY 12

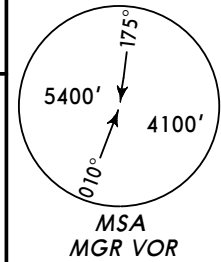
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MAGNITOGORSK, RUSSIA

SID

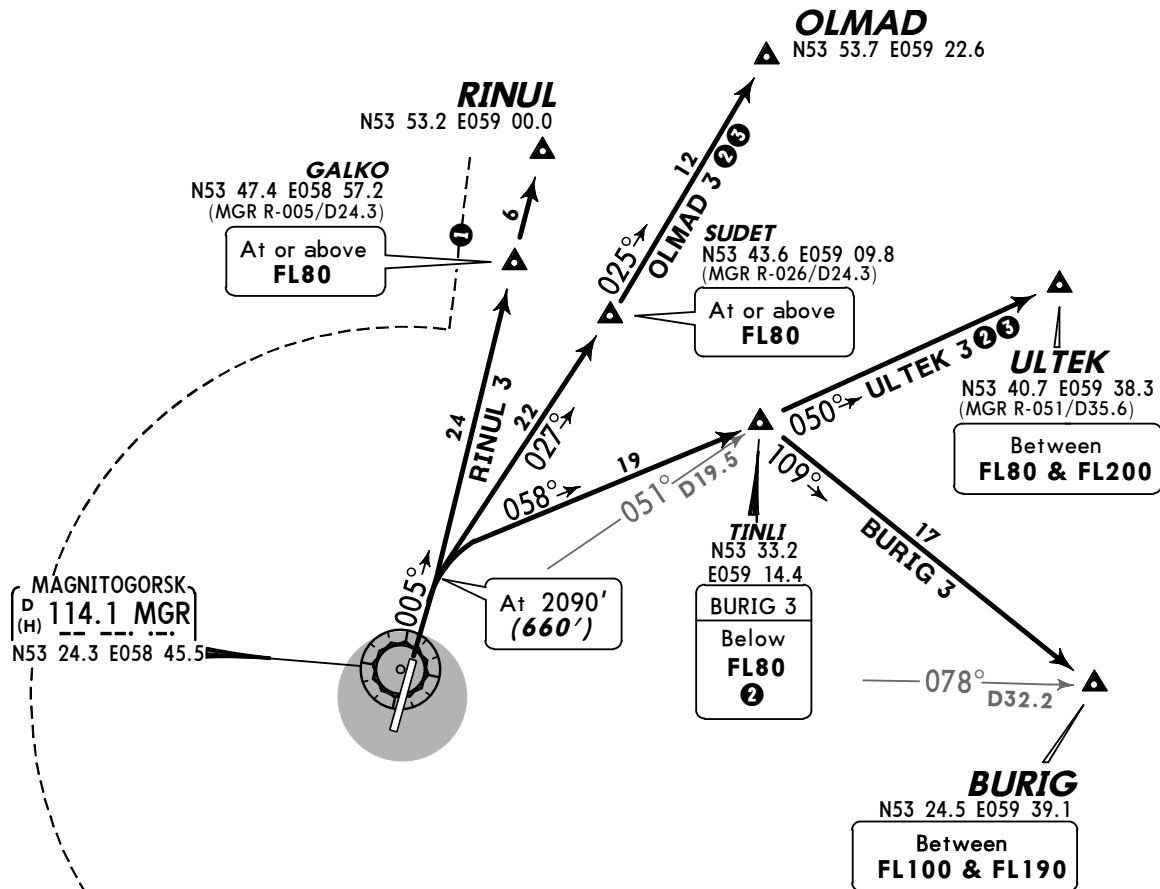
Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3940')



BURIG 3, OLMAD 300
RINUL 3, ULTEK 300
RWY 01 DEPARTURES

- ② By ATC.
- ③ Only for Russian users of airspace.



ALT/HEIGHT CONVERSION
QNH (QFE)
2090' (660' - 200m)
5370' (3940' - 1200m)

**USCM/MQF
MAGNITOGORSK**

4 MAY 12

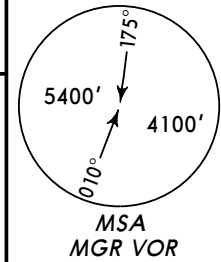
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MAGNITOGORSK, RUSSIA

SID

Apt Elev
1430'

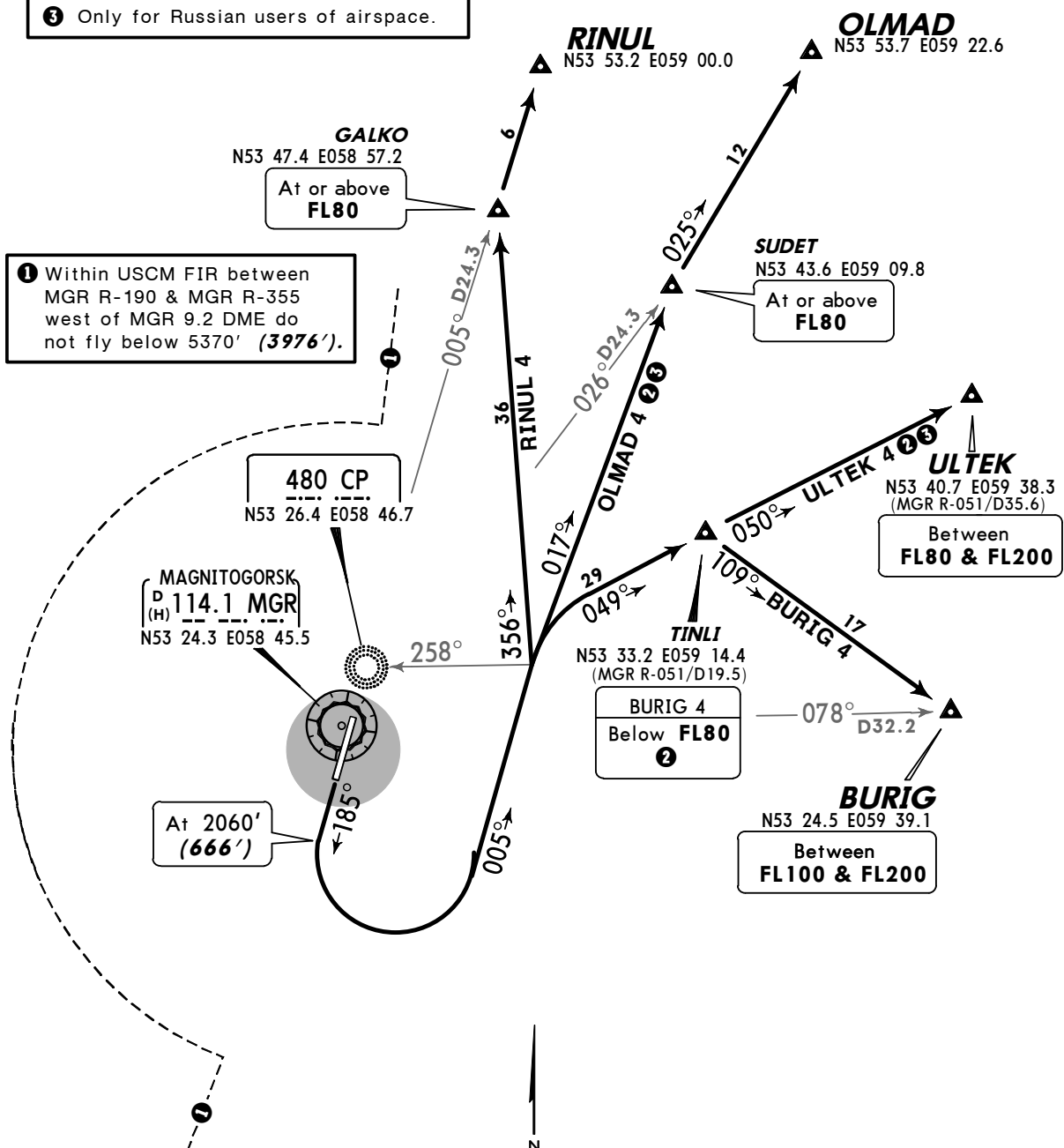
QNH on request **(QFE)**
Trans level: By ATC Trans alt: 5370' **(3976')**



BURIG 4, OLMAD 4②③
RINUL 4, ULTEK 4②③
RWY 19 DEPARTURES

- ② By ATC.
- ③ Only for Russian users of airspace.

- 1** Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (**3976'**).



NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH	(QFE)
2060'	(666' - 200m)
5370'	(3976' - 1200m)

USCM/MQF
MAGNITOGORSK

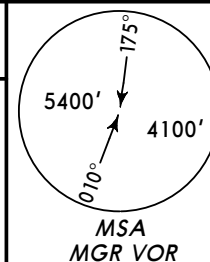
JEPPESEN
4 MAY 12 (10-3B)

MAGNITOGORSK, RUSSIA

SID

Apt Elev
1430'

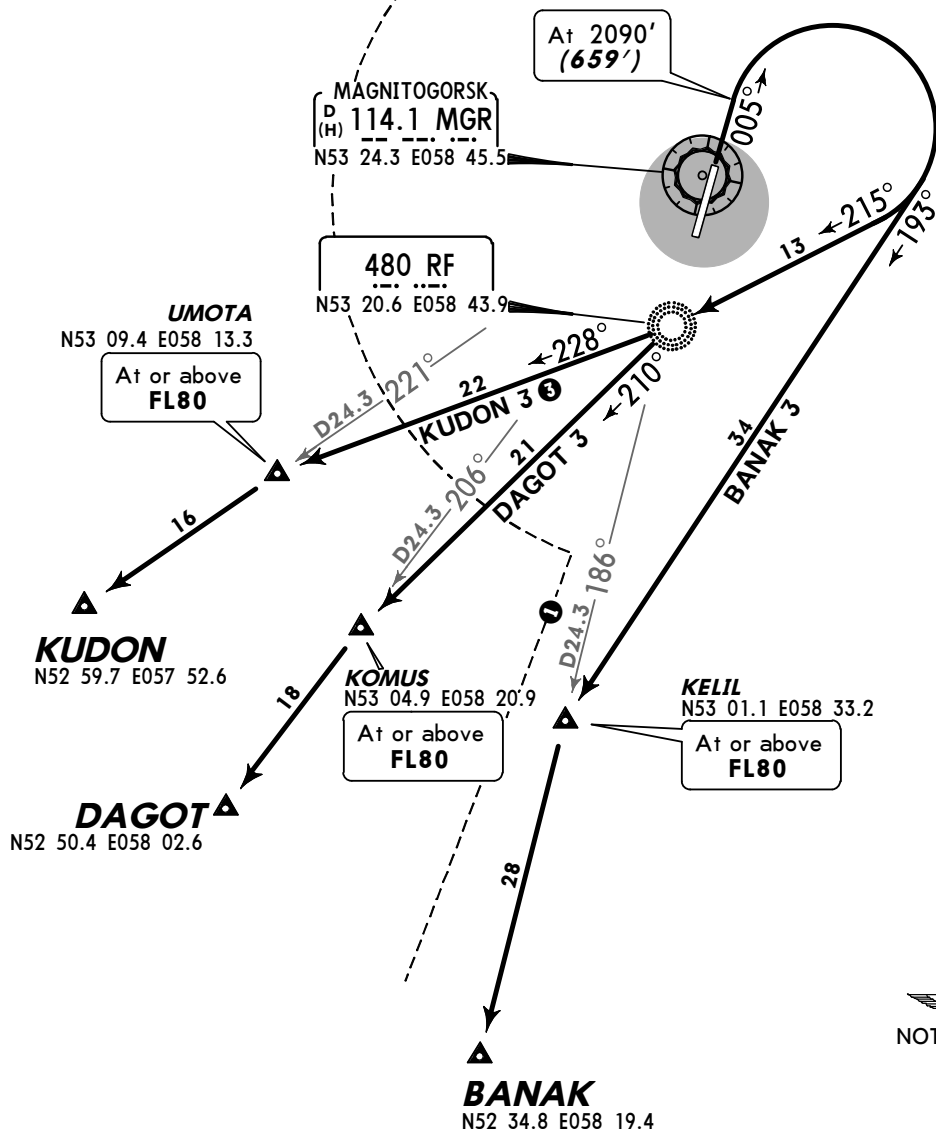
QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3940')



BANAK 3, DAGOT 3, KUDON 3 RWY 01 DEPARTURES

② Only for Russian users of airspace.
By ATC.

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3940').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
5370'	(3940' - 1200m)

USCM/MQF
MAGNITOGORSK

4 MAY 12

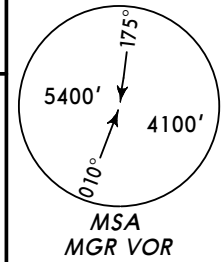
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MAGNITOGORSK, RUSSIA

SID

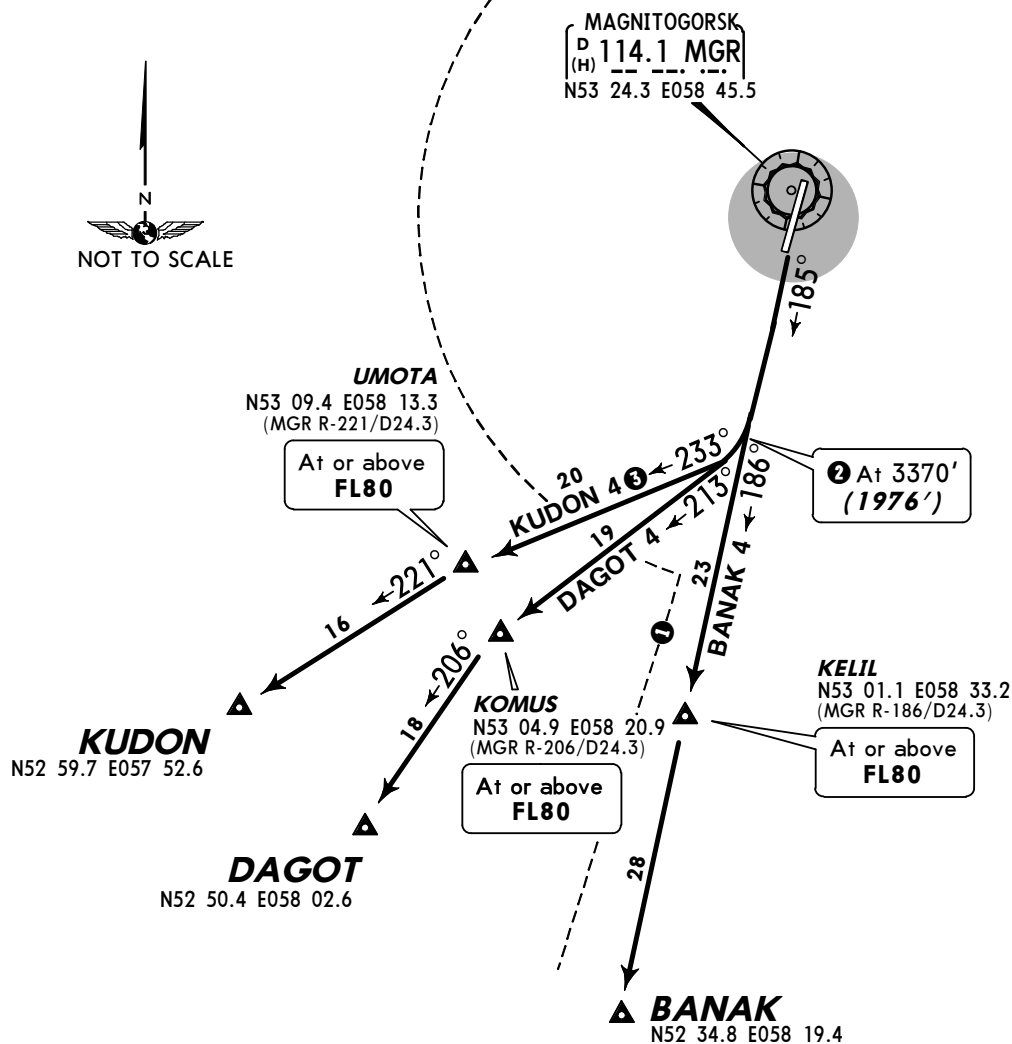
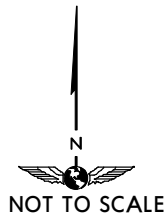
Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')



BANAK 4, DAGOT 4
KUDON 4
RWY 19 DEPARTURES

③ Only for Russian users of airspace.
By ATC.



② WARNING

Flying to KOMUS and UMOTA requires a minimum climb gradient of 7.5% from the commencement of the initial turn up to 5370' (3976').

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V(fpm)	570	760	1139	1519	1899	2279

If unable to comply, climb straight ahead to 5370' (3976').

① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3976').

ALT/HEIGHT CONVERSION
QNH (QFE)
3370' (1976' - 600m)
5370' (3976' - 1200m)

USCM/MQF
MAGNITOGORSK

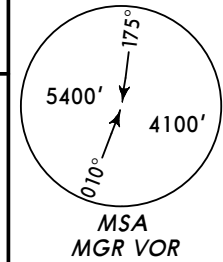
JEPPESEN
4 MAY 12 (10-3D)

MAGNITOGORSK, RUSSIA

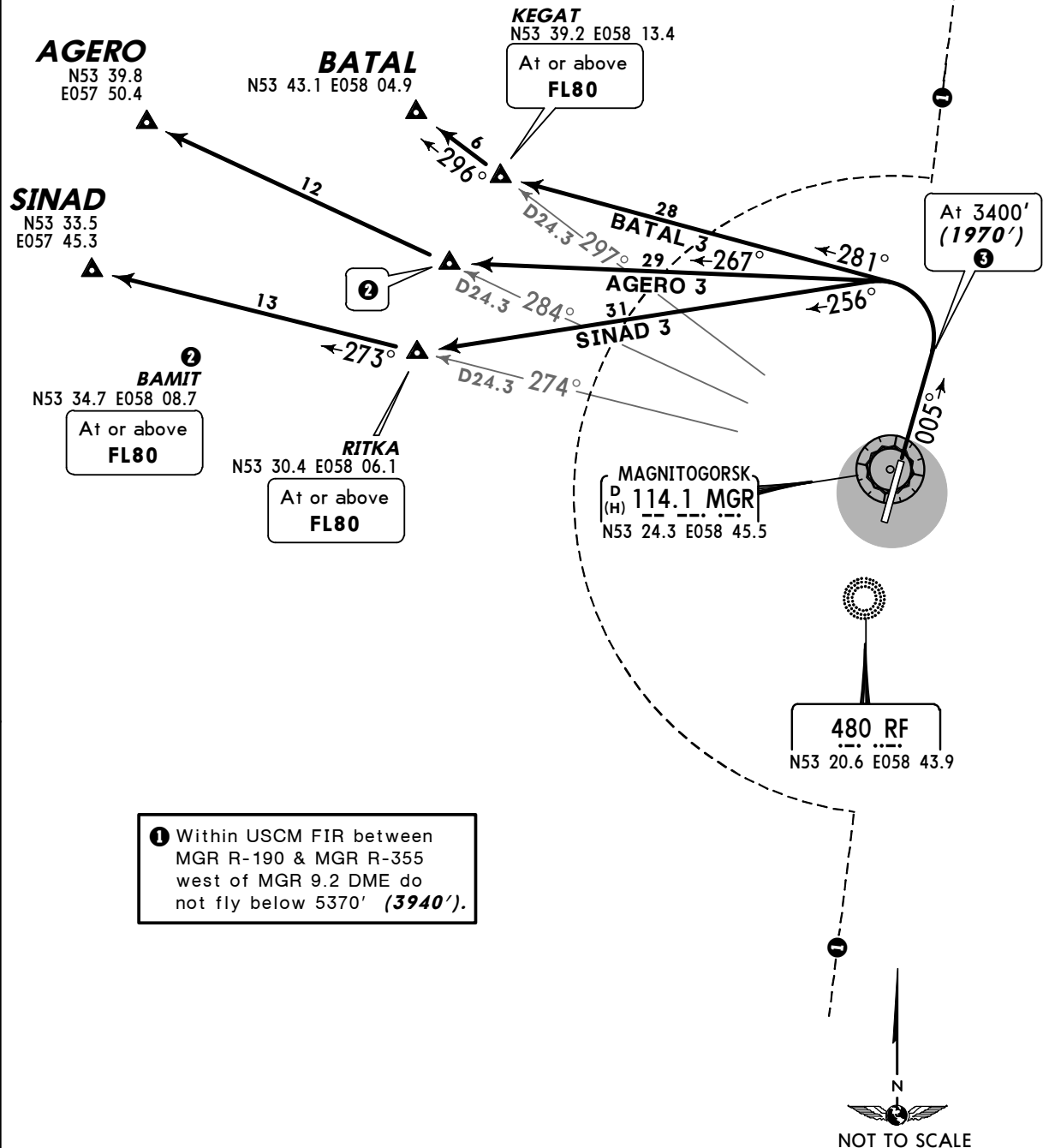
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3940')



AGERO 3, BATAL 3, SINAD 3 RWY 01 DEPARTURES



Gnd speed-KT	75	100	150	200	250	300
6.0% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply, turn RIGHT via RF.

USCM/MQF
MAGNITOGORSK

4 MAY 12

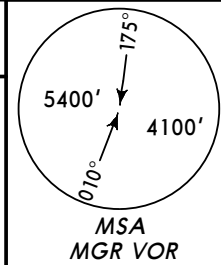
(10-3E)

MAGNITOGORSK, RUSSIA

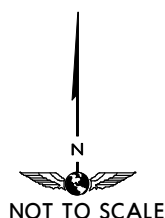
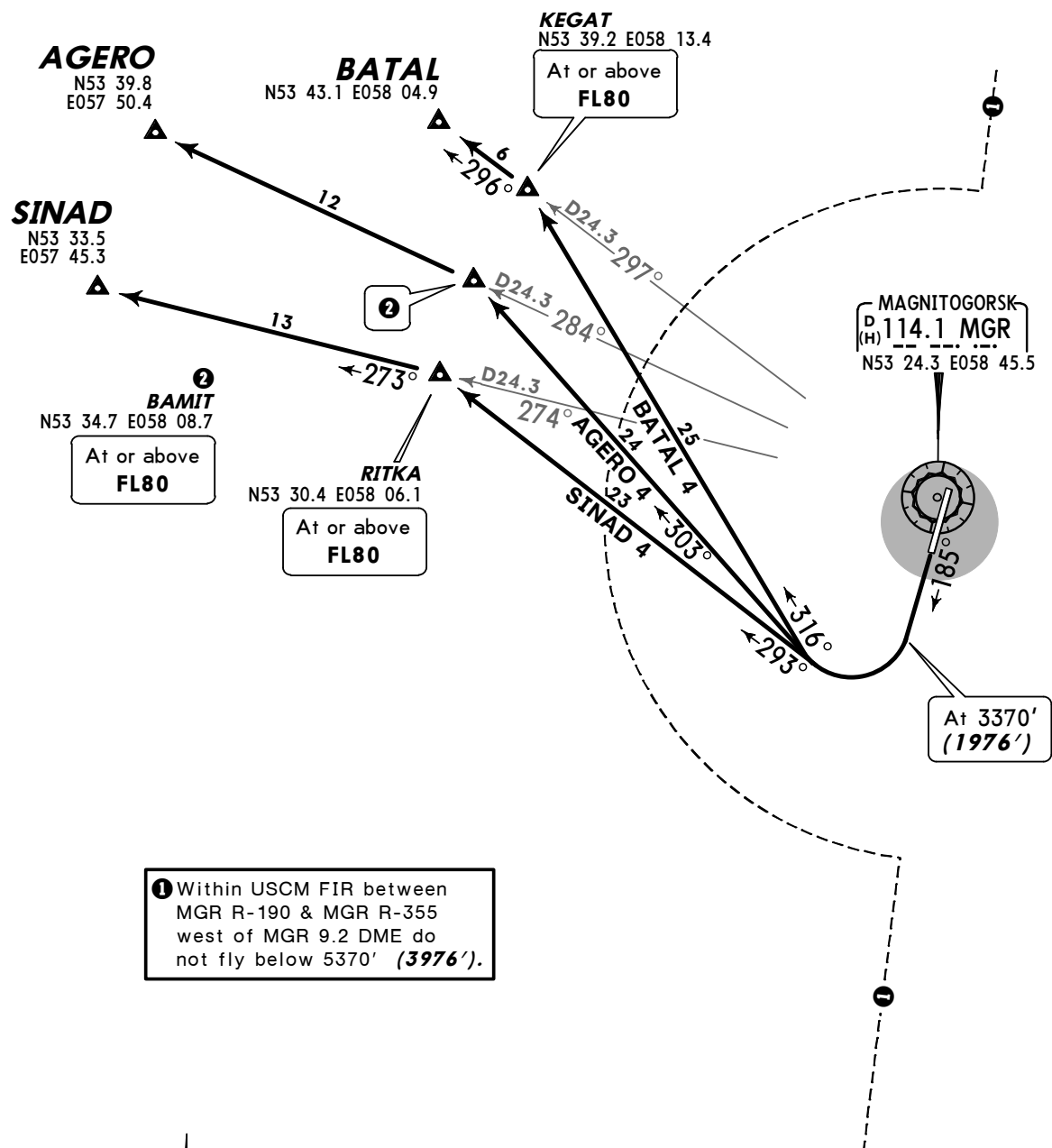
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')



AGERO 4, Batal 4, SINAD 4 RWY 19 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
3370' (1976' - 600m)
5370' (3976' - 1200m)

USCM/MQF

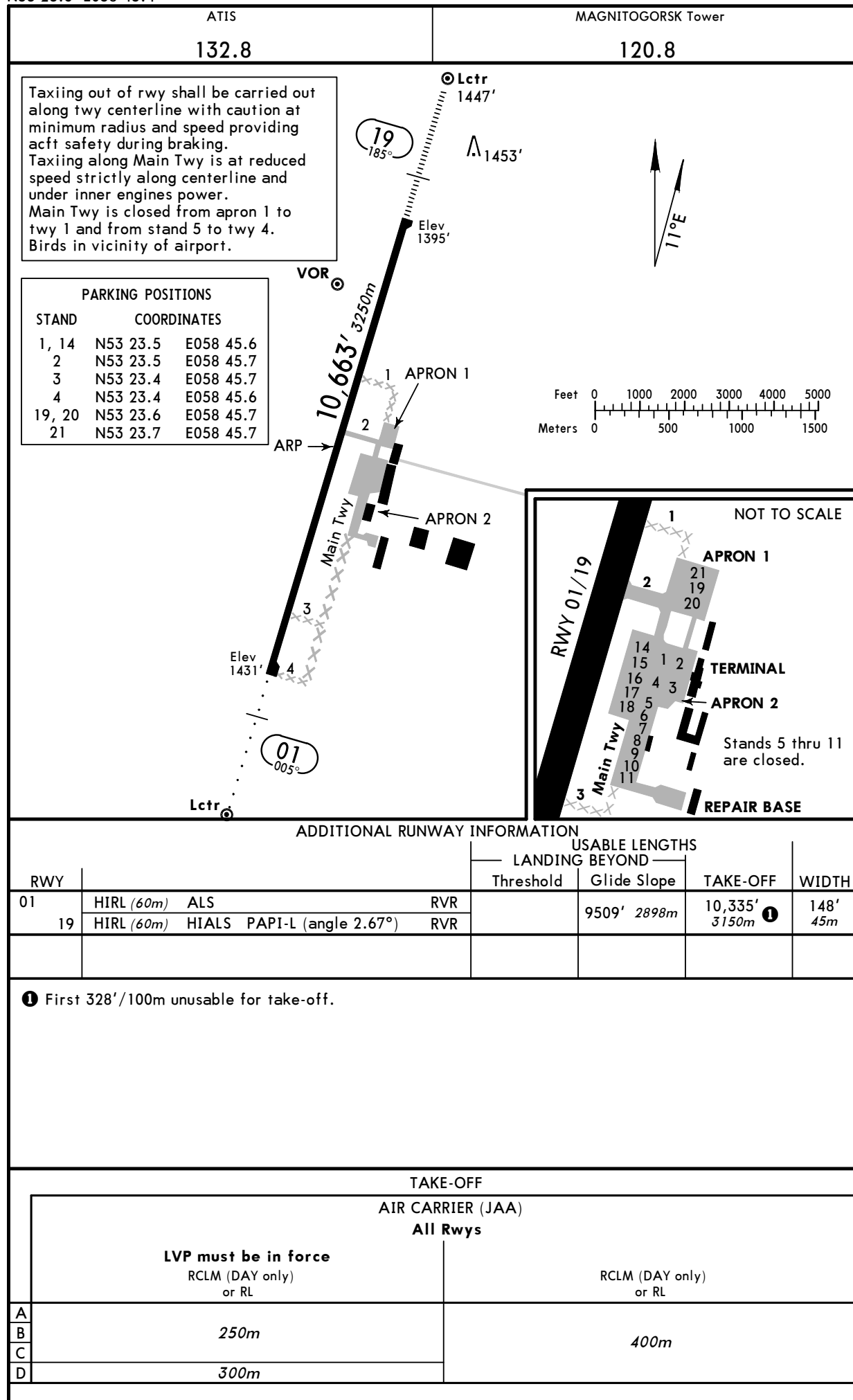
Apt Elev **1431'**
N53 23.6 E058 45.4

9 APR 10

(10-9)

JEPPESEN MAGNITOGORSK, RUSSIA

MAGNITOGORSK



USCM/MQF


JEPPESEN
 1 OCT 10 **10-9S**
Standard
MAGNITOGORSK, RUSSIA
 MAGNITOGORSK

STRAIGHT-IN RWY		A	B	C	D
01	ILS	1631' (200')	1631' (200')	1631' (200')	1631' (200')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1720' (289')	1720' (289')	1720' (289')	1720' (289')
		R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1400m	R1400m	R1400m	R1400m
	NDB ❶ ❷	1740' (309')	1740' (309')	1740' (309')	1740' (309')
19		R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1400m	R1400m	R1400m	R1400m
	NDB ❸	2400' (969')	2400' (969')	2400' (969')	2400' (969')
		C4500m	C4500m	C4700m	C4700m
	<i>ALS out</i>	C4700m	C4700m	C4900m	C4900m
	ILS	1595' (200')	1595' (200')	1595' (200')	1595' (200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1720' (325')	1720' (325')	1720' (325')	1720' (325')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1500m	R1500m	R1500m	R1500m
	NDB ❶ ❹	1720' (325')	1720' (325')	1720' (325')	1720' (325')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1500m	R1500m	R1500m	R1500m
	NDB ❺	2200' (805')	2200' (805')	2200' (805')	2200' (805')
		C3300m	C3300m	C3500m	C3500m
	<i>ALS out</i>	C4000m	C4000m	C4200m	C4200m

- ❶ Continuous Descent Final Approach
- ❷ With D6.0 MGR
- ❸ W/o D6.0 MGR
- ❹ With D4.7 MGR
- ❺ W/o D4.7 MGR

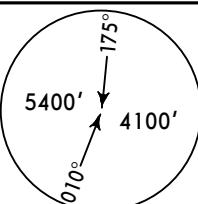
TAKE-OFF RWY 01, 19

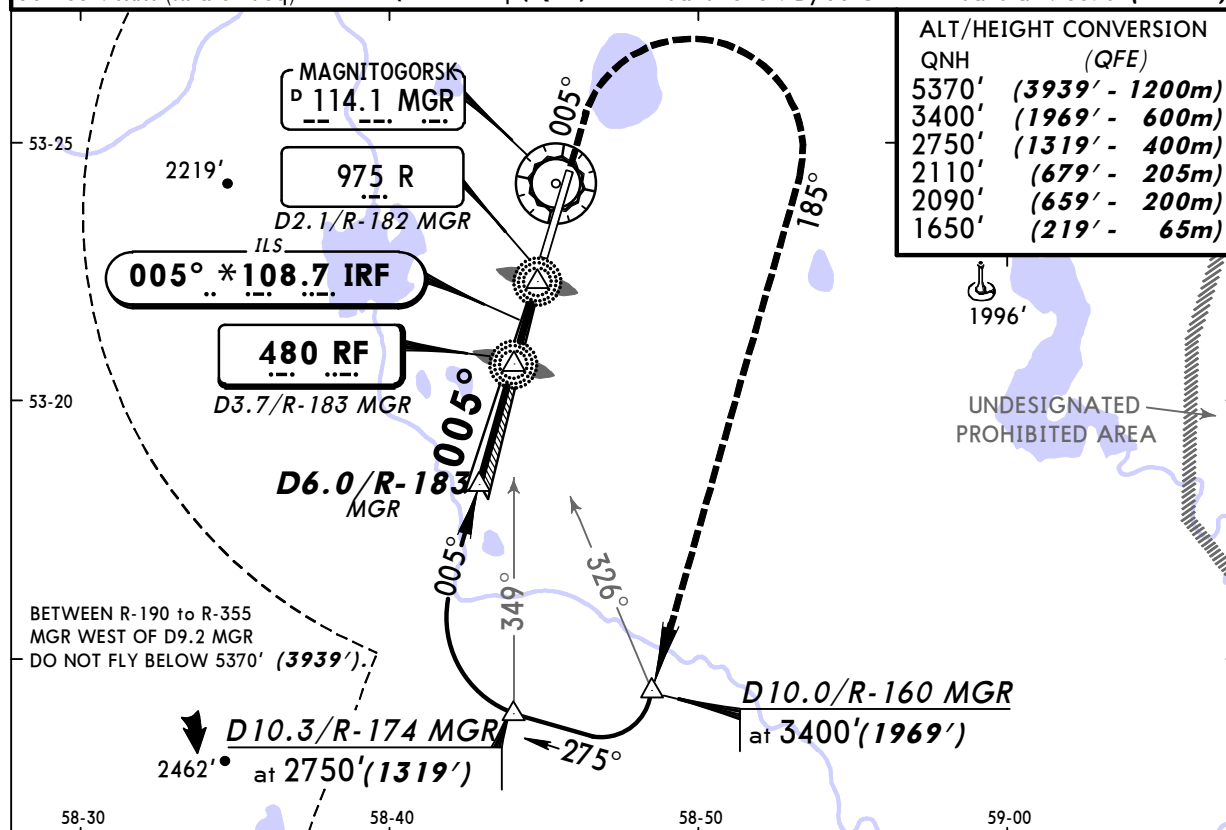
LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		
B	250m	400m
C		
D	300m	
		NIL (DAY only)
		500m

USCM/MQF MAGNITOGORSK

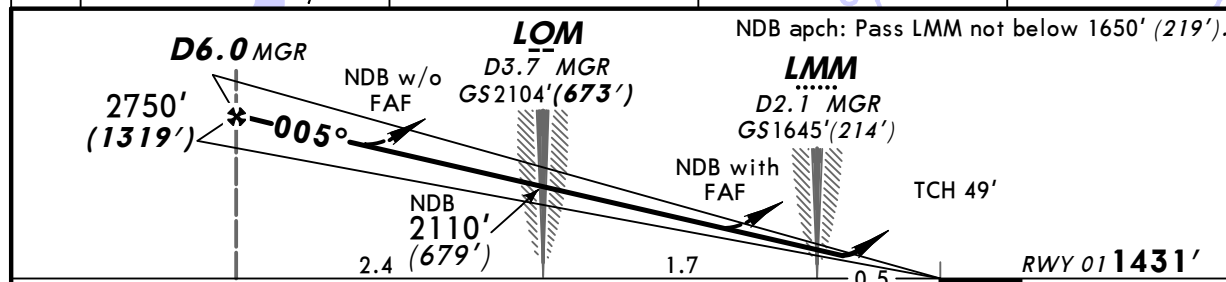
JEPPESEN MAGNITOGORSK, RUSSIA
21 MAY 10 **11-1** Eff 3 Jun ILS or 2 NDB Rwy 01

BRIEFING STRIP

ATIS				MAGNITOGORSK Tower	
132.8				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) (CONDITIONAL) 1740'(309')		
MISSED APCH: Climb on 005° to 2090'(659'), then turn RIGHT onto 185° 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')	



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° RT	3400' (1969')
ILS GS or NDB Desc angle 2.67°	336	432	480	576	671	767	...			

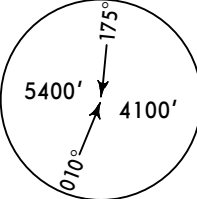
STRAIGHT-IN LANDING RWY 01					
ILS DA(H) 1631' (200')		LOC (GS out)	NDB with FAF MDA(H) 1740' (309')		NDB w/o FAF MDA(H) 2400' (969')
FULL	ALS out		ALS out		ALS out
A					
B					
C	1200m	NOT AUTH	RVR 1500m VIS 1600m		3200m
D					4800m

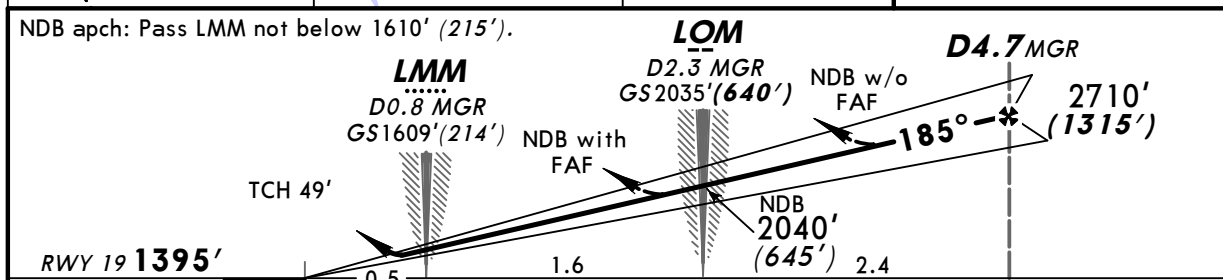
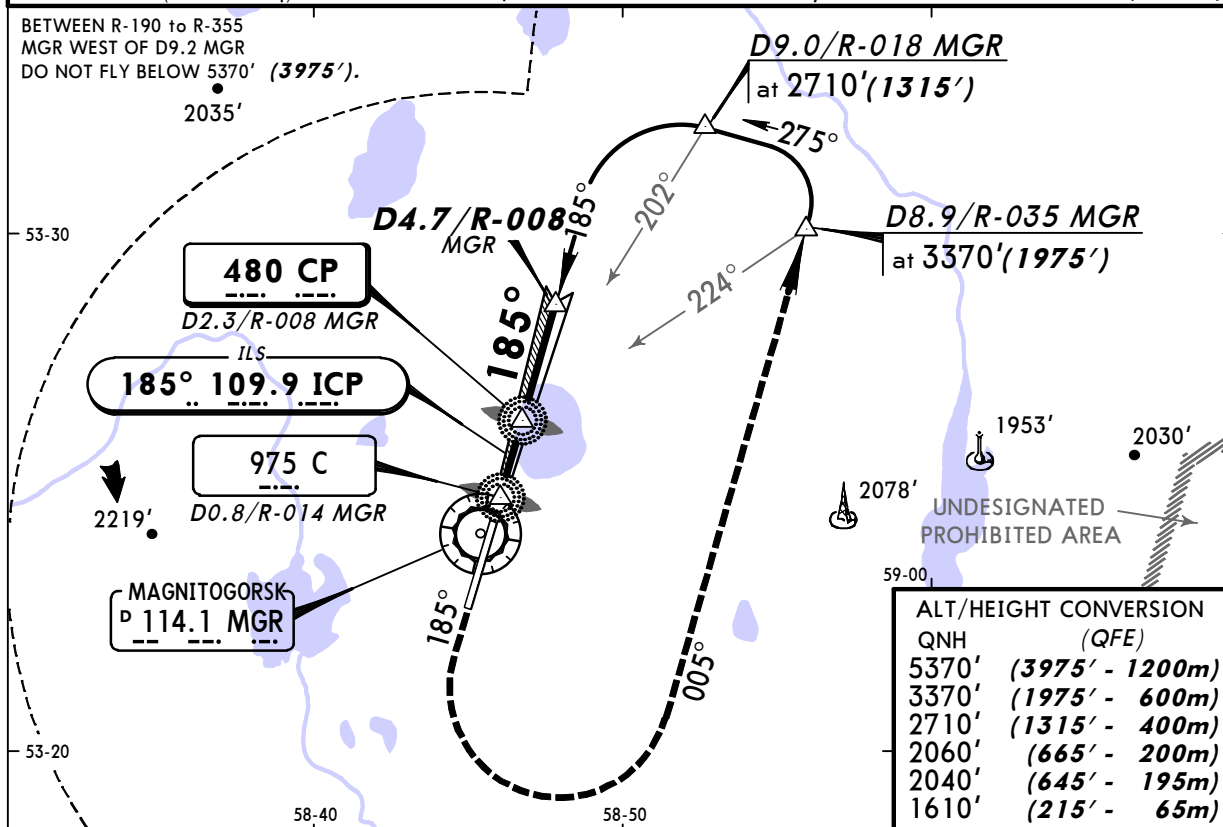
PANS OPS

USCM/MQF MAGNITOGORSK

JEPPESEN MAGNITOGORSK, RUSSIA
21 MAY 10 **11-2** Eff 3 Jun ILS or 2 NDB Rwy 19

BRIEFING STRIP

ATIS				MAGNITOGORSK Tower		
132.8				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) 1720'(325')			
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		



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

STRAIGHT-IN LANDING RWY 19							
ILS DA(H) 1595' (200')		LOC (GS out)		NDB with FAF MDA(H) 1720' (325')		NDB w/o FAF MDA(H) 2200' (805')	
FULL	ALS out			ALS out		ALS out	
A							
B							
C	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m VIS 1600m	3600m	
D				RVR 1500m VIS 1600m		3600m	4000m

CHANGES: Minimums.

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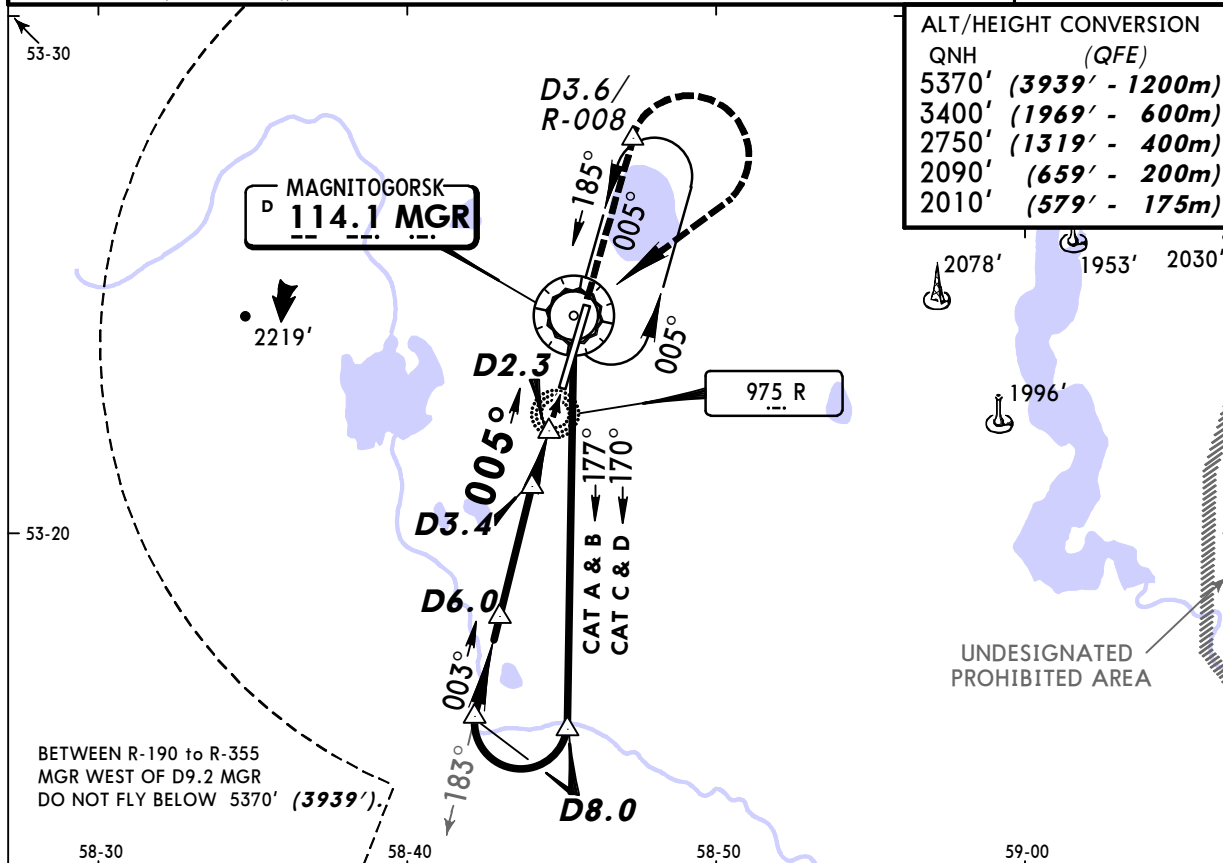
USCM/MQF MAGNITOGORSK

21 MAY 10 **13-1** **Eff 3 Jun**

MAGNITOGORSK, RUSSIA VOR DME Rwy 01

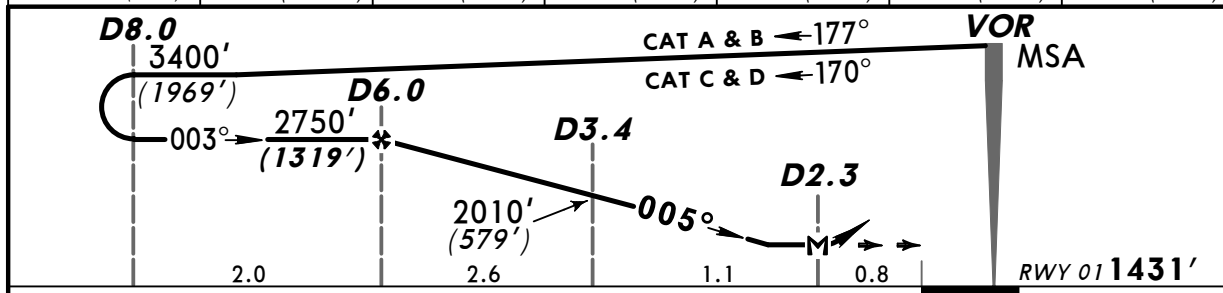
BRIEFING STRIP

ATIS				MAGNITOGORSK Tower		
132.8				120.8		
VOR MGR 114.1	Final Apch Crs 005°	Minimum Alt D6.0 2750' (1319')	MDA(H) 1720' (289')	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
Descent angle	2.67°	331	425	472	567	661
MAP at D2.3						

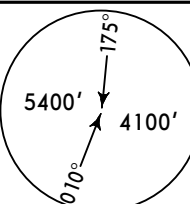
STRAIGHT-IN LANDING RWY 01				ALS out	
MDA(H) 1720' (289')					
RVR 1500m VIS 1600m					
A					
B					
C					
D					

USCM/MQF MAGNITOGORSK

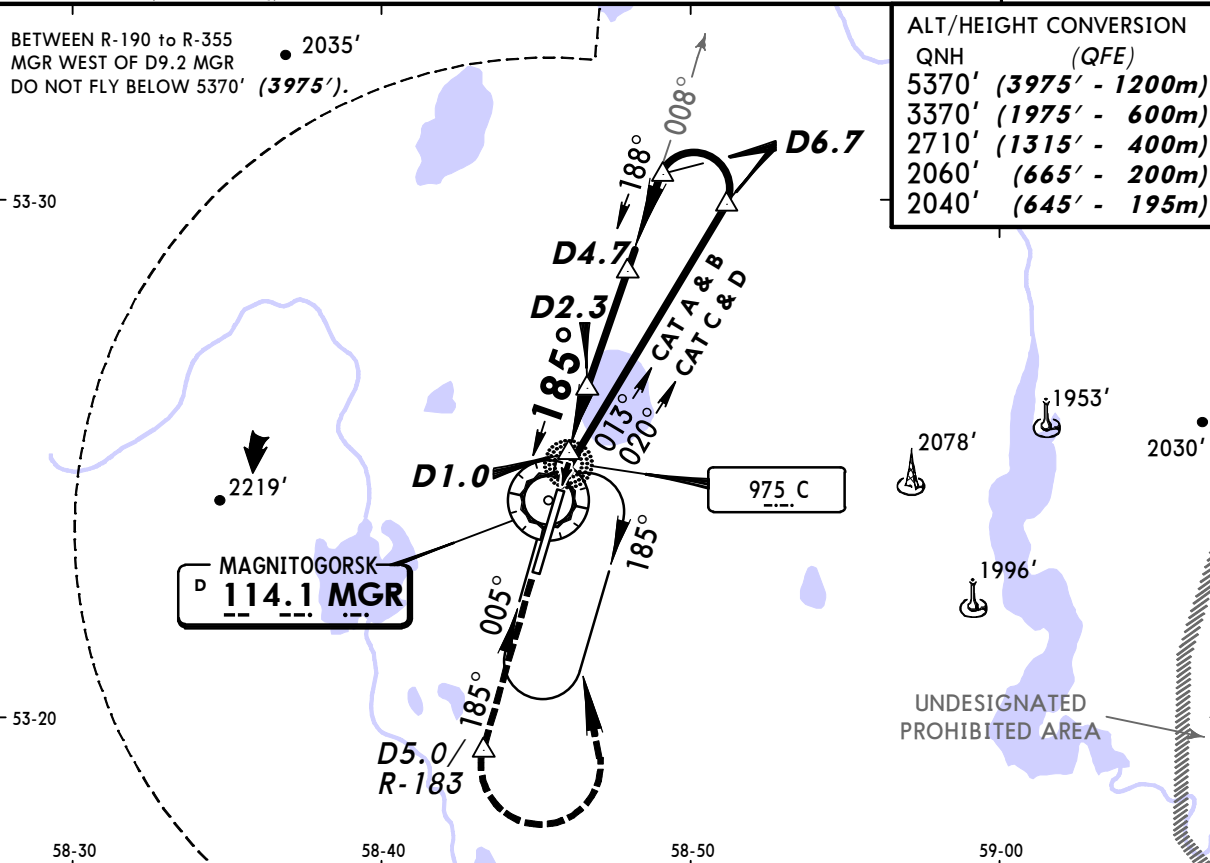
21 MAY 10 **13-2** Eff 3 Jun

MAGNITOGORSK, RUSSIA VOR DME Rwy 19

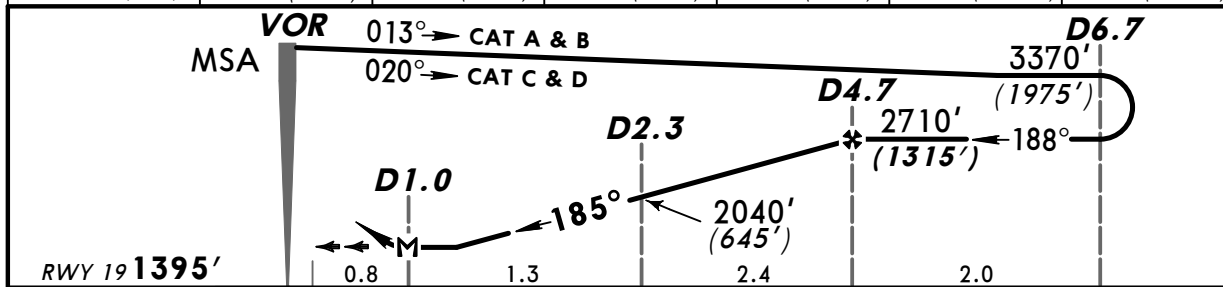
BRIEFING STRIP

ATIS				MAGNITOGORSK Tower		
132.8				120.8		
VOR MGR 114.1	Final Apch Crs 185°	Minimum Alt D4.7 2710'(1315')	MDA(H) 1720'(325')	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

BETWEEN R-190 to R-355
MGR WEST OF D9.2 MGR
DO NOT FLY BELOW 5370' (3975').



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 angle 2.67°	331	425	472	567	661	756		
MAP at D1.0								

STRAIGHT-IN LANDING RWY 19							
MDA(H) 1720' (325')							
				ALS out			
A							
B	1200m			RVR 1500m VIS 1600m			
C							
D	RVR 1500m VIS 1600m						

PANS OPS