

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

No revision activity since Disc 09-2011

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: 1431'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+5:00 uses DST

Runway Info

Runway 01-19 10663' x 148' concrete

Runway 01 (5.0°M) TDZE 1431'

Lights: Edge, ALS

Runway 19 (185.0°M) TDZE 1395'

Lights: Edge, ALS

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

**USCM/MQF
MAGNITOGORSK**

JEPPESSEN MAGNITOGORSK, RUSSIA
26 MAR 10 10-2 Eff 8 Apr STAR

ATIS
132.8

Apt Elev
1431'

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

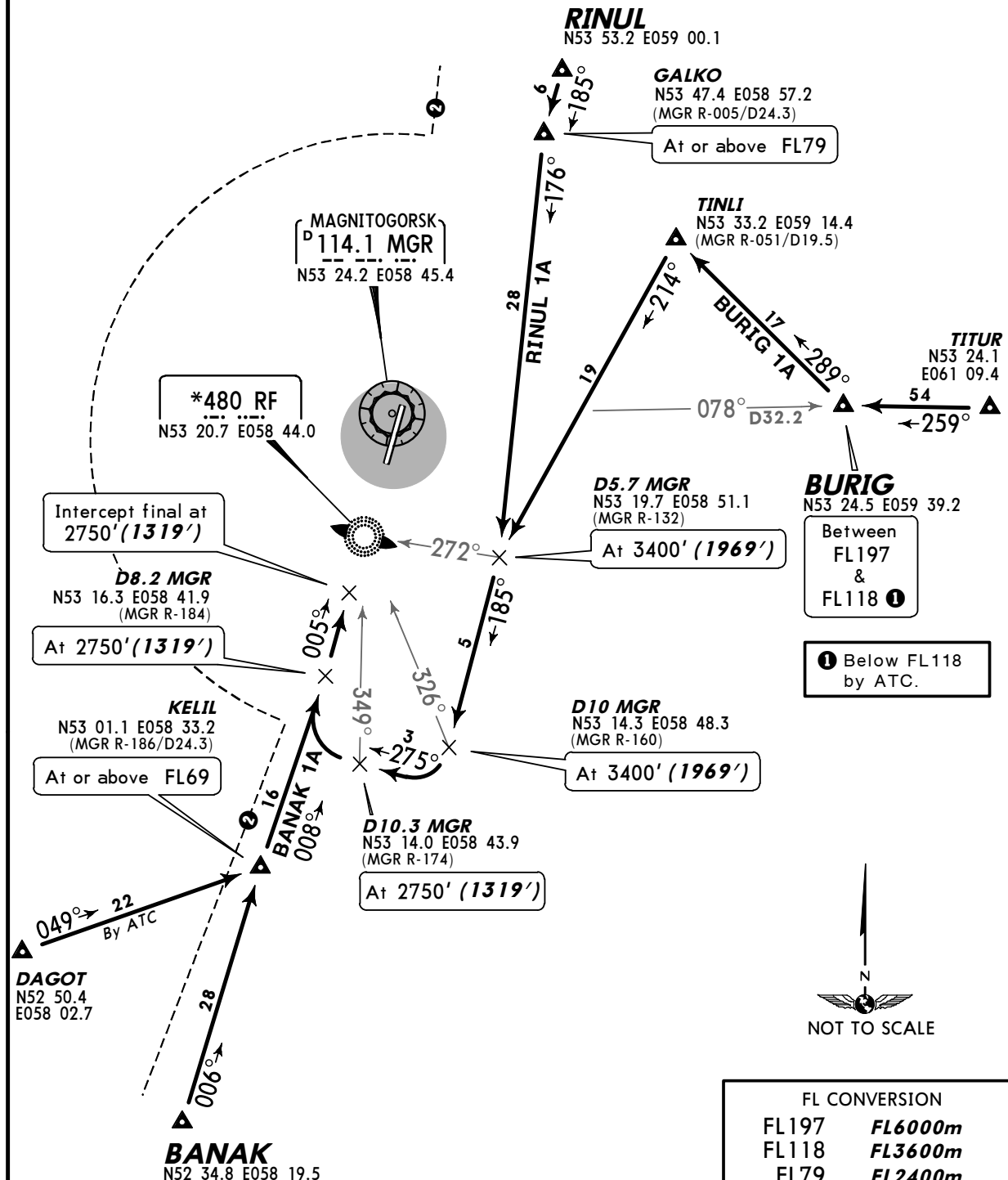
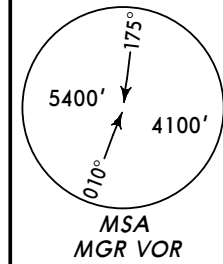
(QFE)

BANAK 1A [BANA 1A], BURIG 1A [BURI 1A]

RINUL 1A [*RINU1A*]

RWY 01 ARRIVALS

FOR STARS WITHOUT RADAR CONTROL REFER TO CHART 10-2D
FROM NORTH, EAST & SOUTH



NOT TO SCALE

FL CONVERSION	
FL197	<i>FL6000m</i>
FL118	<i>FL3600m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION

QNH (QFE)

5370' (3939' - 1200m)

3400' (1969' - 600m)

2750' (1319' - 400m)

② Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (**3939'**).

USCM/MQF
MAGNITOGORSK

JEPPESSEN MAGNITOGORSK, RUSSIA
26 MAR 10 (10-2A) Eff 8 Apr **STAR**

STAR

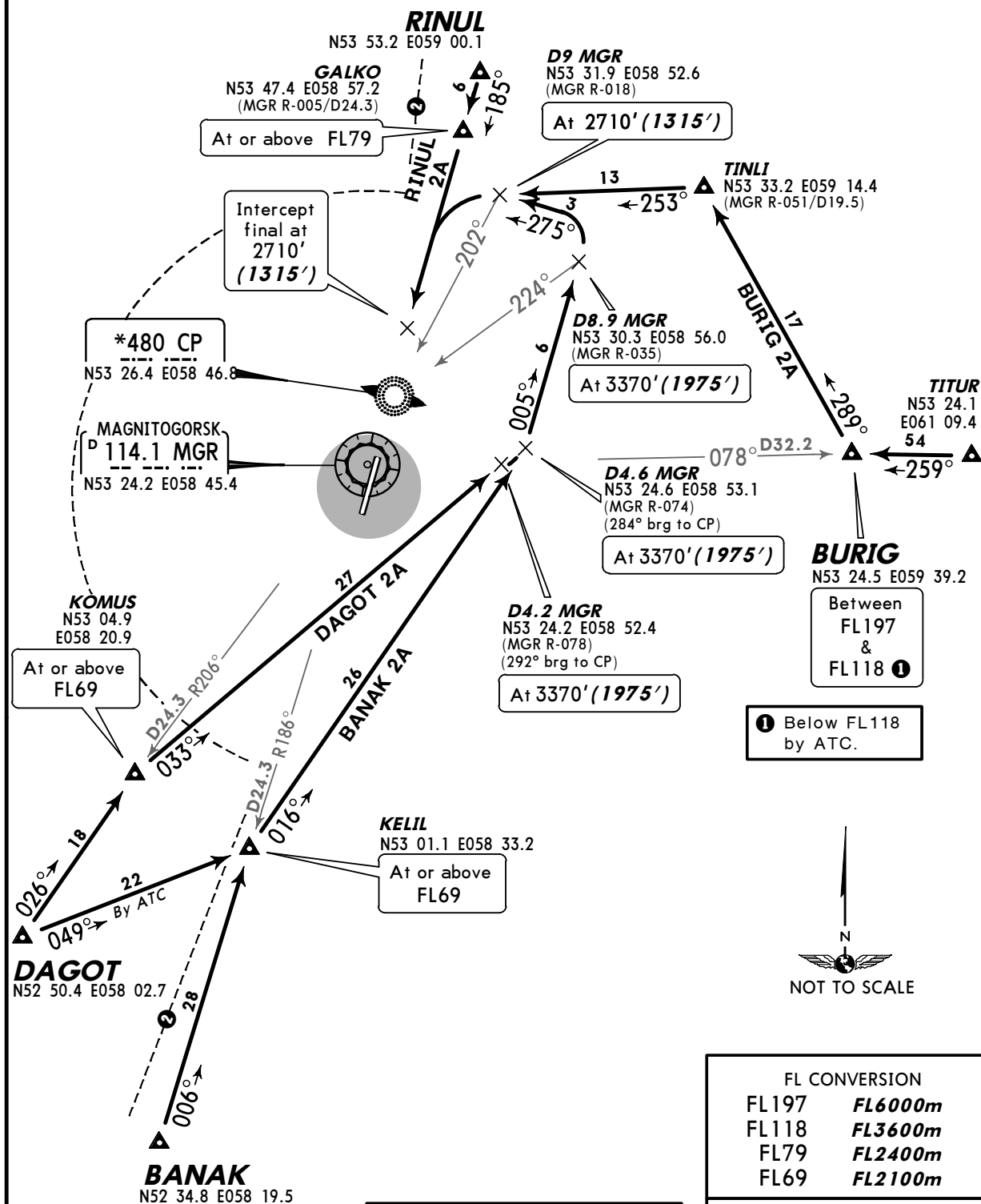
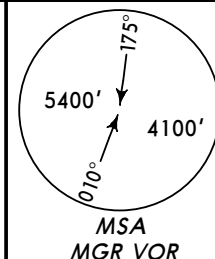
ATIS
132.8

Apt Elev
1431'

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

(QFE)

**BANAK 2A [BANA2A], BURIG 2A [BURI2A]
DAGOT 2A [DAGO2A], RINUL 2A [RINU2A]
RWY 19 ARRIVALS
FROM NORTH, EAST & SOUTH
FOR STARS WITHOUT RADAR CONTROL REFER TO CHART 10-2E**



NOT TO SCALE

FL CONVERSION

FL197	<i>FL6000m</i>
FL118	<i>FL3600m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3975' - 1200m)
3370'	(1975' - 600m)
2710'	(1315' - 400m)

2 Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (**3975'**).

USCM/MQF
MAGNITOGORSK

JEPPesen **MAGNITOGORSK, RUSSIA**
26 MAR 10 **10-2B** **Eff 8 Apr** **STAR**

ATIS
132.8

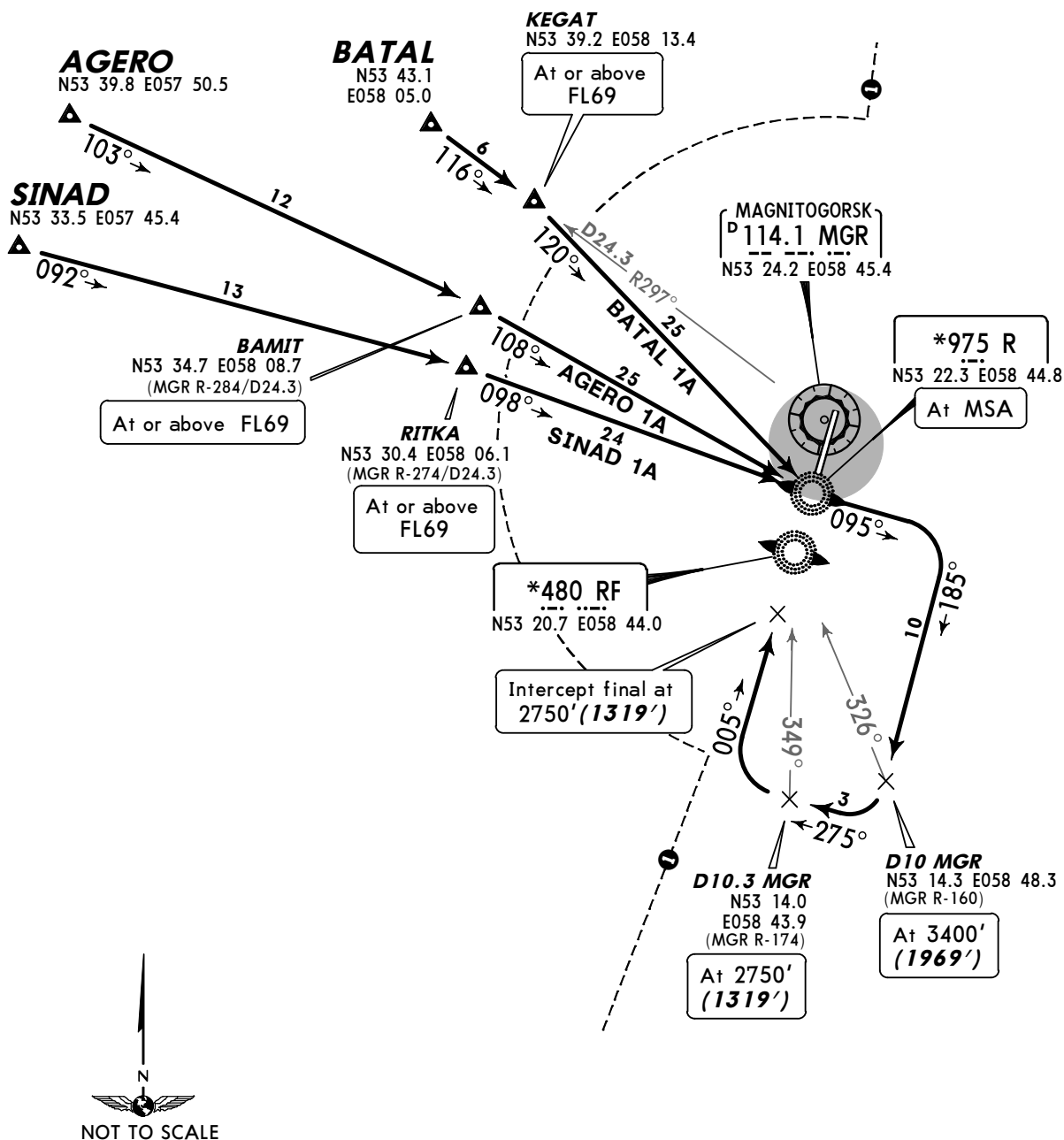
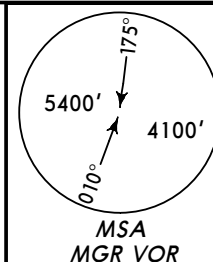
Apt Elev
1431'

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

(QFE)

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

FOR STARS WITHOUT RADAR CONTROL REFER TO CHART 10-2F
FROM WEST



FL CONVERSION
FL69 **FL2100m**

ALT/HEIGHT CONVERSION
QNH (QFE)
5370' **(3939' - 1200m)**
3400' **(1969' - 600m)**
2750' **(1319' - 400m)**

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

USCM/MQF
MAGNITOGORSK

JEPPESEN **MAGNITOGORSK, RUSSIA**
26 MAR 10 **10-2C** **Eff 8 Apr** **STAR**

ATIS
132.8

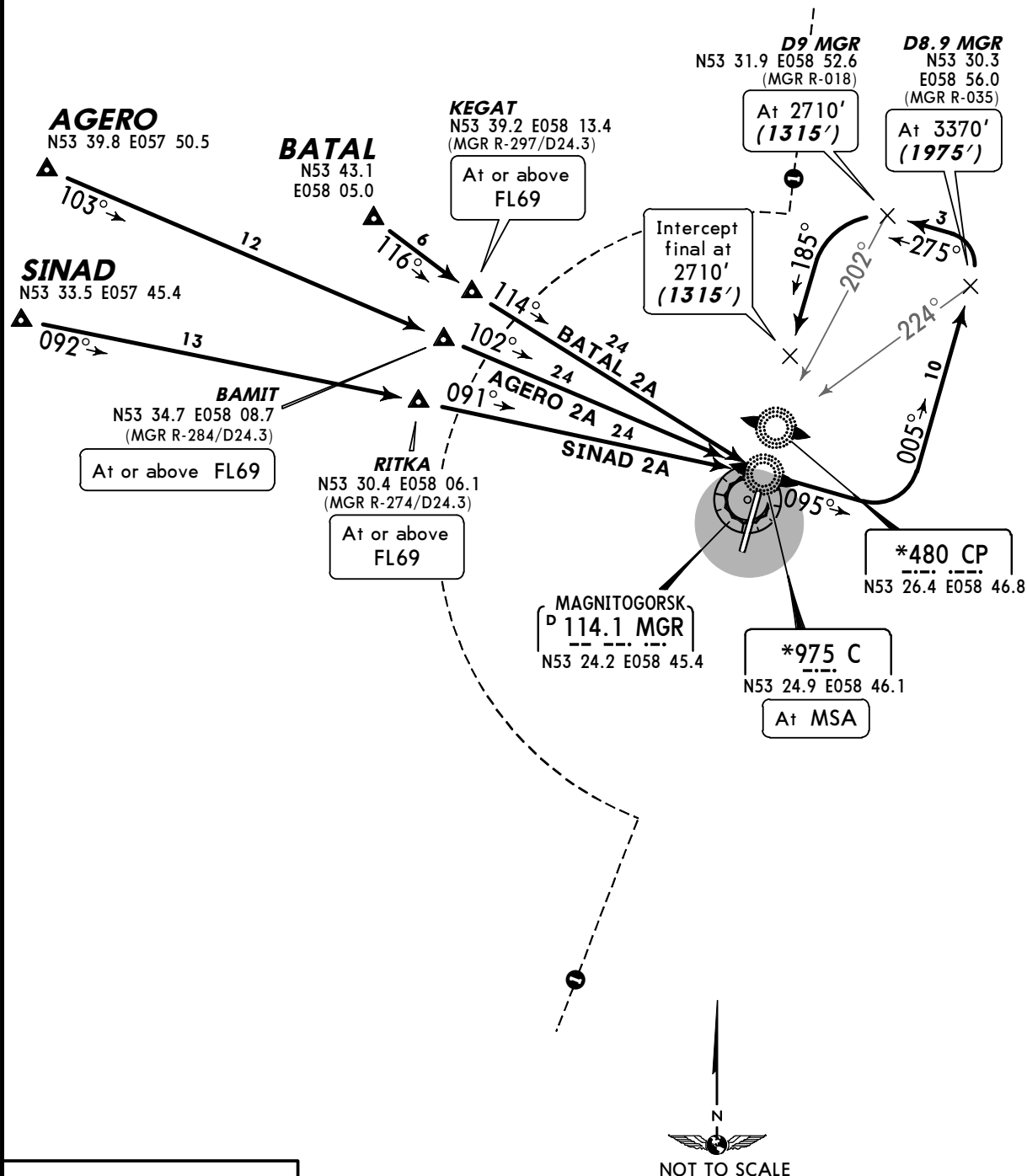
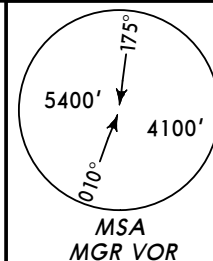
Apt Elev
1431'

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

(QFE)

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

FOR STARS WITHOUT RADAR CONTROL REFER TO CHART 10-2G
FROM WEST



FL CONVERSION
FL69 **FL2100m**

ALT/HEIGHT CONVERSION
QNH (QFE)
5370' (**3975' - 1200m**)
3370' (**1975' - 600m**)
2710' (**1315' - 400m**)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (**3975'**).

**USCM/MQF
MAGNITOGORSK**

26 MAR 10

JEPPESEN

MAGNITOGORSK, RUSSIA

Eff 8 Apr

STAR

ATIS
132.8

Apt Elev
1431'

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

(QFE)

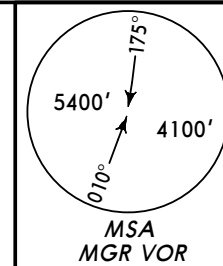
BANAK 1B [*BANA 1B*], **BURIG 1B** [*BURI 1B*]

RINUL 1B [*RINU1B*]

RWY 01 ARRIVALS

WITHOUT RADAR CONTROL

FROM NORTH, EAST & SOUTH

**RINUL**

N53 53.2 E059 00.1

GALKO

N53 47.4 E058 57.2
(MGR R-005/D24.3)

At or above FL79

TINLI

N53 33.2 E059 14.4
(MGR R-051/D19.5)

TITUR

N53 24.1
E061 09.4

BURIG

BURIG
N53 24.5 E059 39.2

Between
FL197
&
FL118 ❶

① Below FL118
by ATC.

D10 MGR

N53 14.3 E058 48.3
(MGR R-160)

At 3400' (1969')

D10.3 MGR
N53 14.0 E058 43.9
(MGR R-174)

At 2750' (**1319'**)**BANAK**

N52 34.8 E058 19.5

FL CONVERSION

FL197	<i>FL6000m</i>
FL118	<i>FL3600m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION

QNH	(QFE)
5370'	(3939' - 1200m)
3400'	(1969' - 600m)
2750'	(1319' - 400m)

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

USCM/MQF
MAGNITOGORSK

JEPPESSEN MAGNITOGORSK, RUSSIA
26 MAR 10 (10-2E) Eff 8 Apr **STAR**

STAR

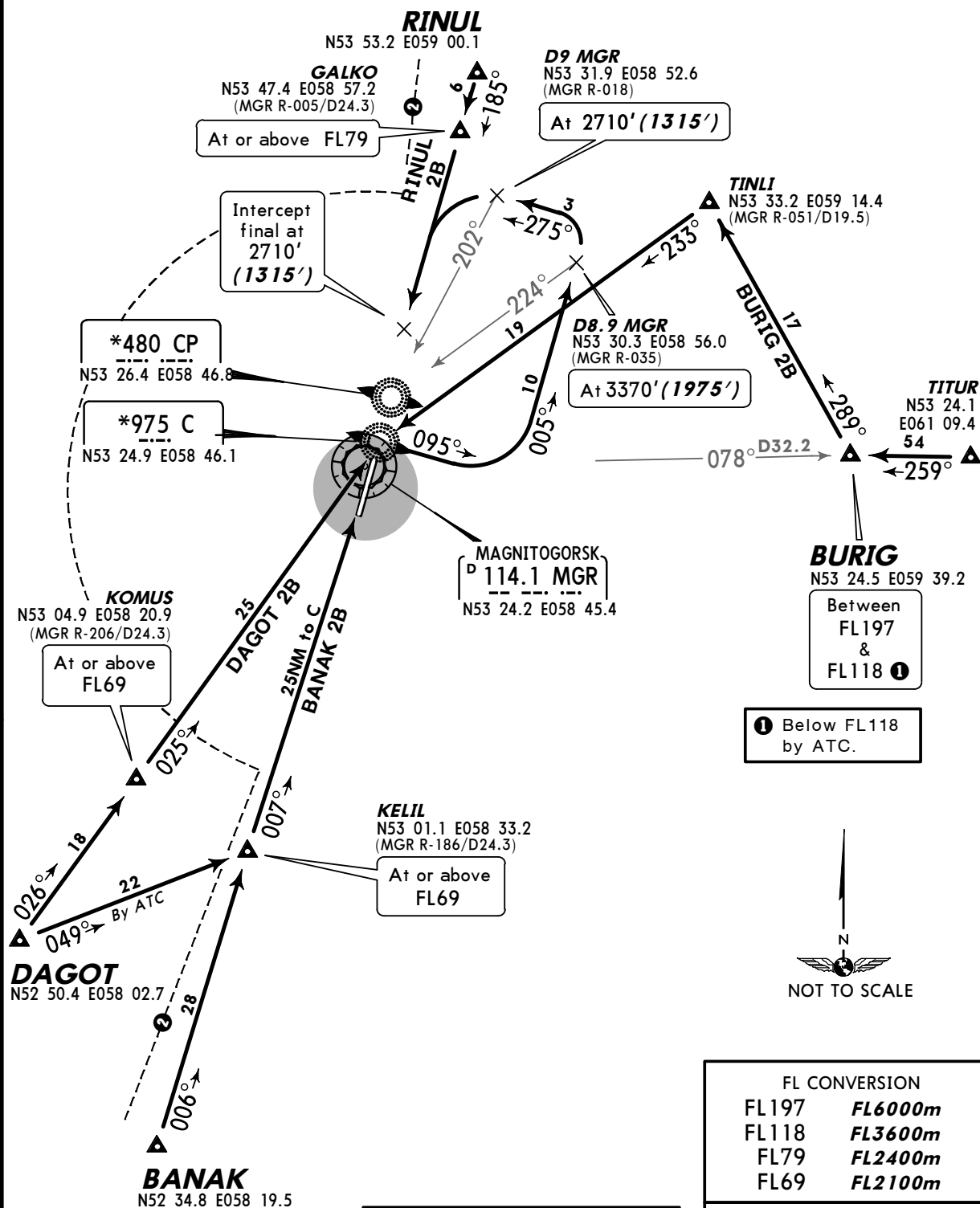
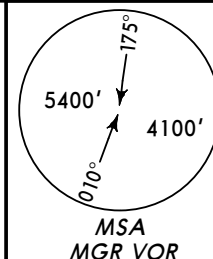
ATIS
132.8

Apt Elev
1431'

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

(QFE)

**BANAK 2B [BANA2B], BURIG 2B [BURI2B]
DAGOT 2B [DAGO2B], RINUL 2B [RINU2B]
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL
FROM NORTH, EAST & SOUTH**



NOT TO SCALE

FL CONVERSION

FL197	<i>FL6000m</i>
FL118	<i>FL3600m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3975' - 1200m)
3370'	(1975' - 600m)
2710'	(1315' - 400m)

2 Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (**3975'**).

USCM/MQF
MAGNITOGORSK

JEPPesen **MAGNITOGORSK, RUSSIA**
 26 MAR 10 **10-2F** **Eff 8 Apr** **STAR**

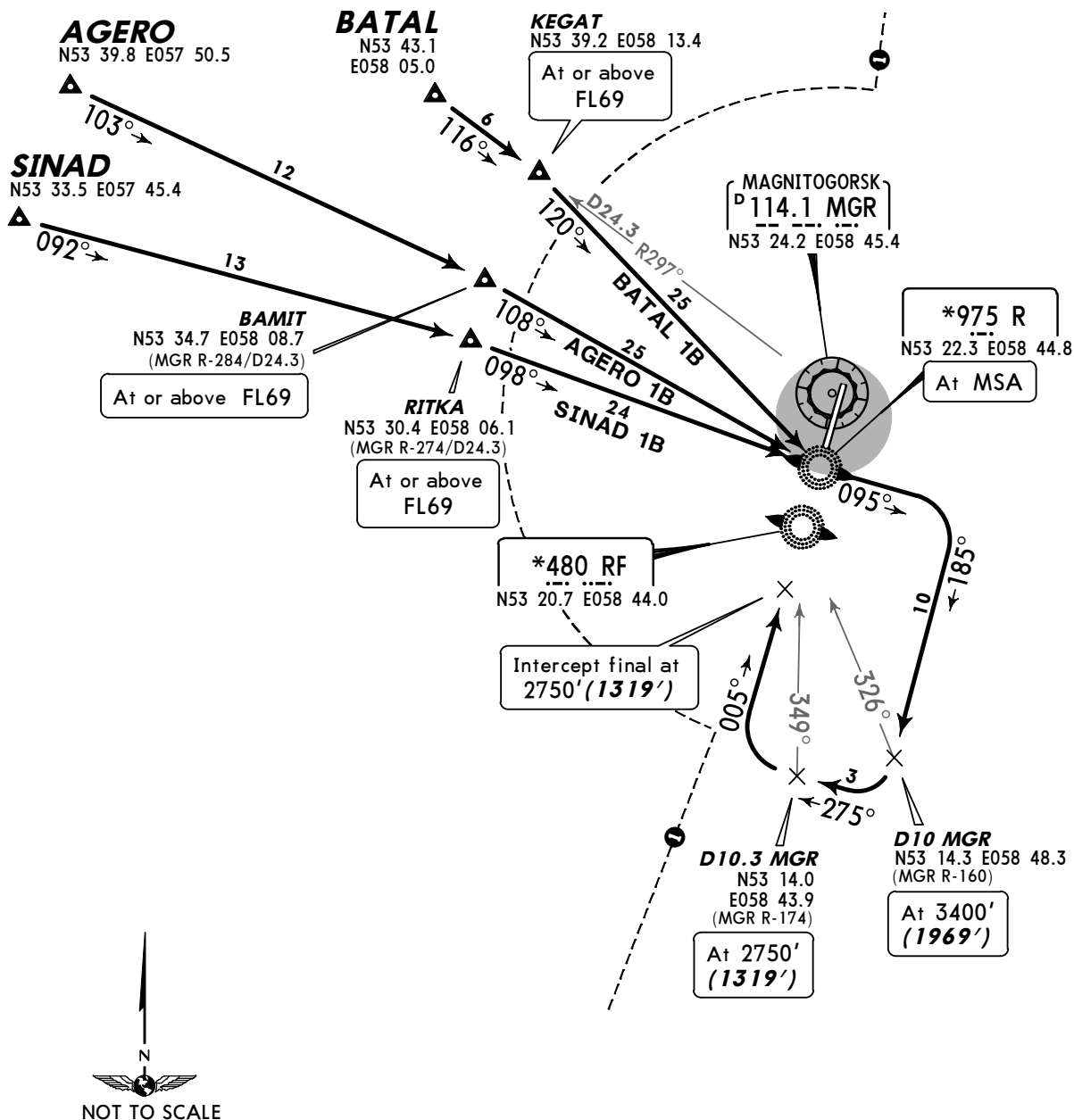
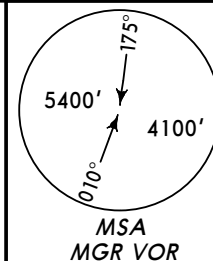
ATIS
132.8

Apt Elev
1431'

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

(QFE)

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



FL CONVERSION
 FL69 **FL2100m**

ALT/HEIGHT CONVERSION
 QNH (QFE)
 5370' **(3939' - 1200m)**
 3400' **(1969' - 600m)**
 2750' **(1319' - 400m)**

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

USCM/MQF
MAGNITOGORSK

JEPPESSEN MAGNITOGORSK, RUSSIA
26 MAR 10 (10-2G) Eff 8 Apr STAR

STAR

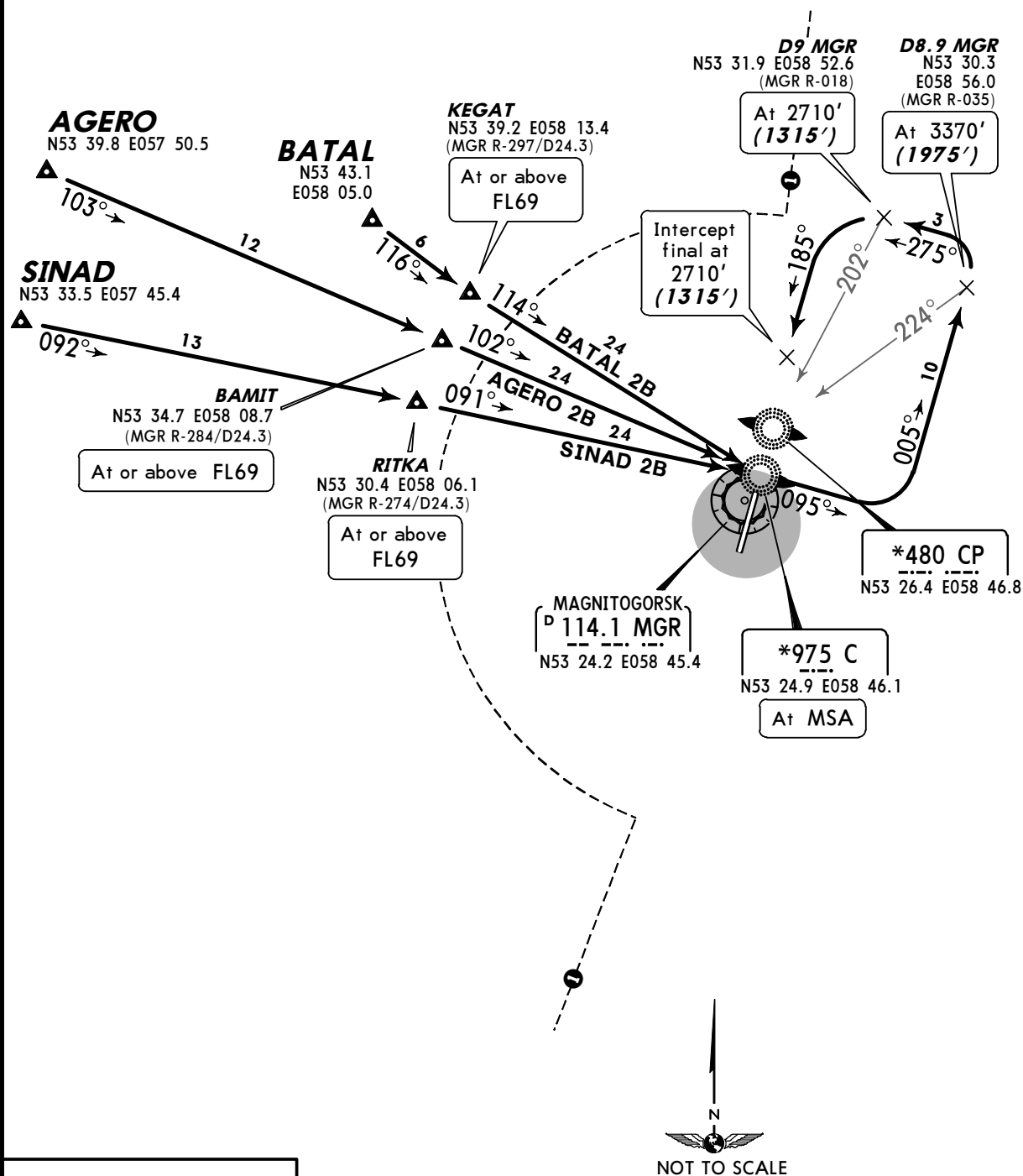
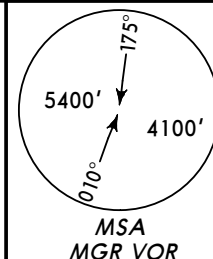
ATIS
132.8

Apt Elev
1431'

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

(QFE)

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



FL CONVERSION
FL69 *FL2100m*

ALT/HEIGHT CONVERSION

QNH	(QFE)
5370'	(3975' - 1200m)
3370'	(1975' - 600m)
2710'	(1315' - 400m)

① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3975'**).**

USCM/MQF
MAGNITOGORSK

8 MAY 09

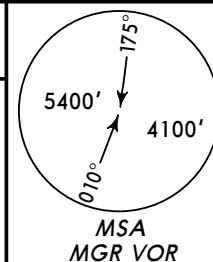
10-3

MAGNITOGORSK, RUSSIA

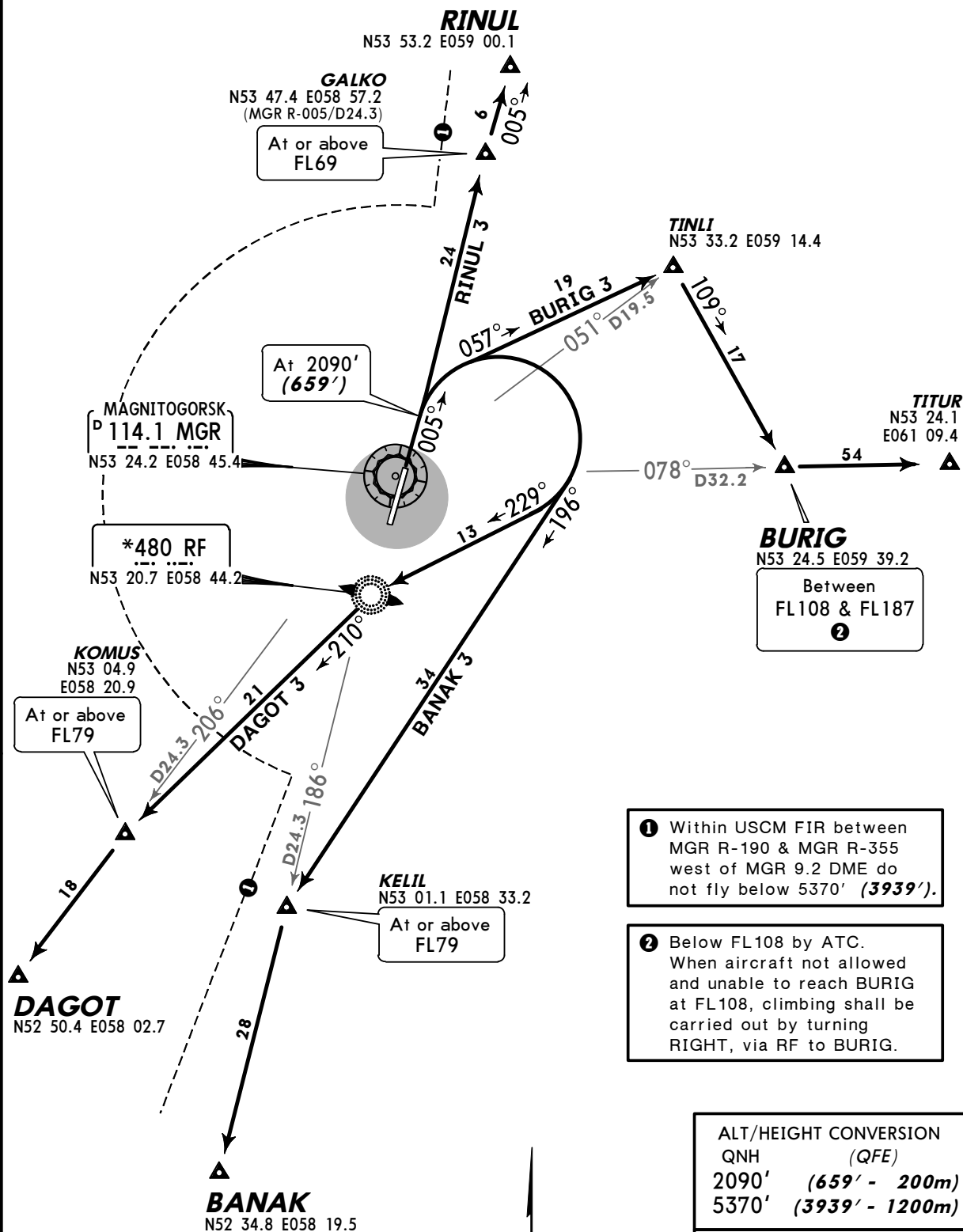
SID

Apt Elev
1431'

QNH on request (QFE)
 Trans level: By ATC Trans alt: 5370' (**3939'**)



BANAK 3, BURIG 3, DAGOT 3, RINUL 3
RWY 01 DEPARTURES
 TO NORTH, EAST & SOUTH



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

② Below FL108 by ATC. When aircraft not allowed and unable to reach BURIG at FL108, climbing shall be carried out by turning RIGHT, via RF to BURIG.

ALT/HEIGHT CONVERSION	
QNH (QFE)	
2090'	(659' - 200m)
5370'	(3939' - 1200m)

FL CONVERSION	
FL69	FL2100m
FL79	FL2400m
FL108	FL3300m
FL187	FL5700m

USCM/MQF
MAGNITOGORSK

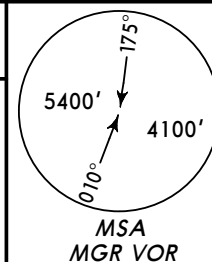
JEPPESEN
 8 MAY 09 **(10-3B)**

MAGNITOGORSK, RUSSIA

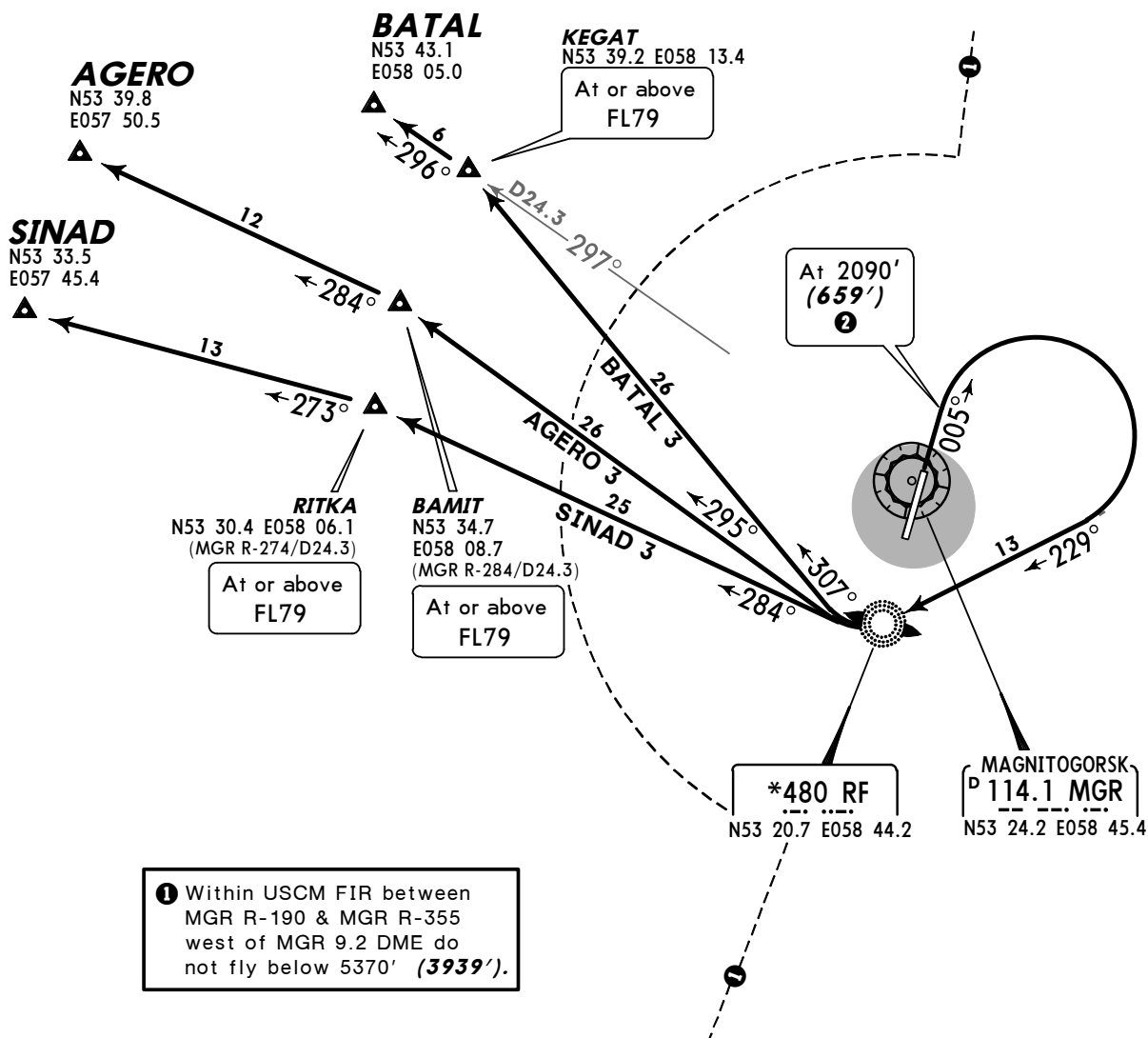
SID

Apt Elev
1431'

QNH on request **(QFE)**
 Trans level: By ATC Trans alt: 5370' **(3939')**



AGERO 3, BATAL 3, SINAD 3
RWY 01 DEPARTURES
TO WEST

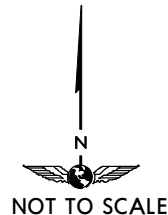


1 Within USCM FIR between
 MGR R-190 & MGR R-355
 west of MGR 9.2 DME do
 not fly below 5370' **(3939')**.

2 WARNING:

It is allowed to turn LEFT 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



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(659' - 200m)
3400'	(1969' - 600m)
5370'	(3939' - 1200m)

FL CONVERSION	
FL79	FL2400m

USCM/MQF
MAGNITOGORSK

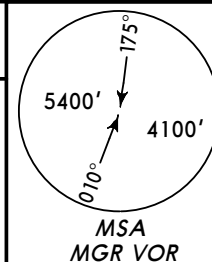
JEPPESEN
 8 MAY 09 **(10-3C)**

MAGNITOGORSK, RUSSIA

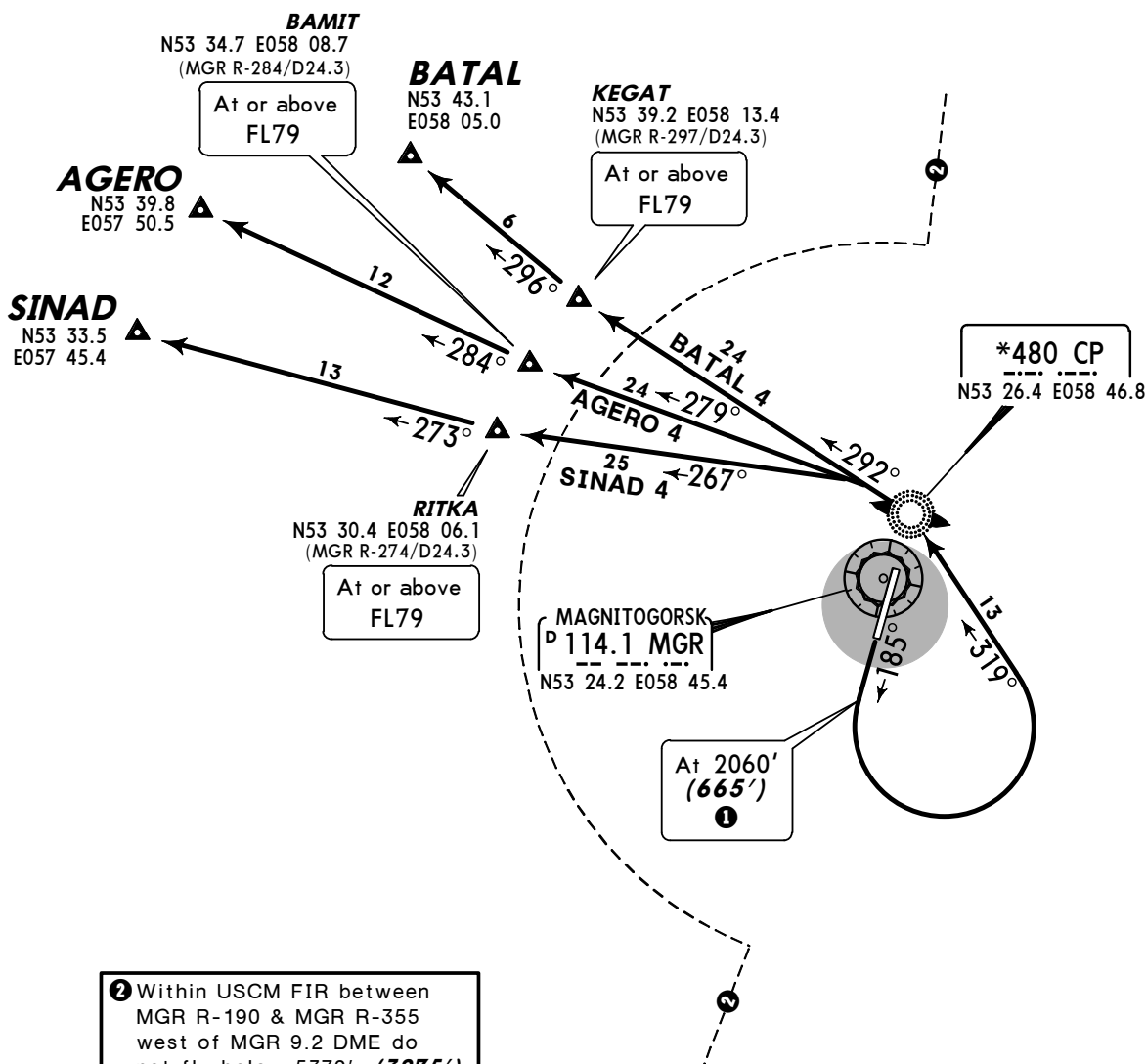
SID

Apt Elev
1431'

QNH on request **(QFE)**
 Trans level: By ATC Trans alt: 5370' **(3975')**



AGERO 4, BATAL 4, SINAD 4
RWY 19 DEPARTURES
TO WEST



② Within USCM FIR between
 MGR R-190 & MGR R-355
 west of MGR 9.2 DME do
 not fly below 5370' **(3975')**.

① WARNING:

It is allowed to turn RIGHT to BAMIT, KEGAT or RITKA with initial turn at 3370' **(1975')** 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

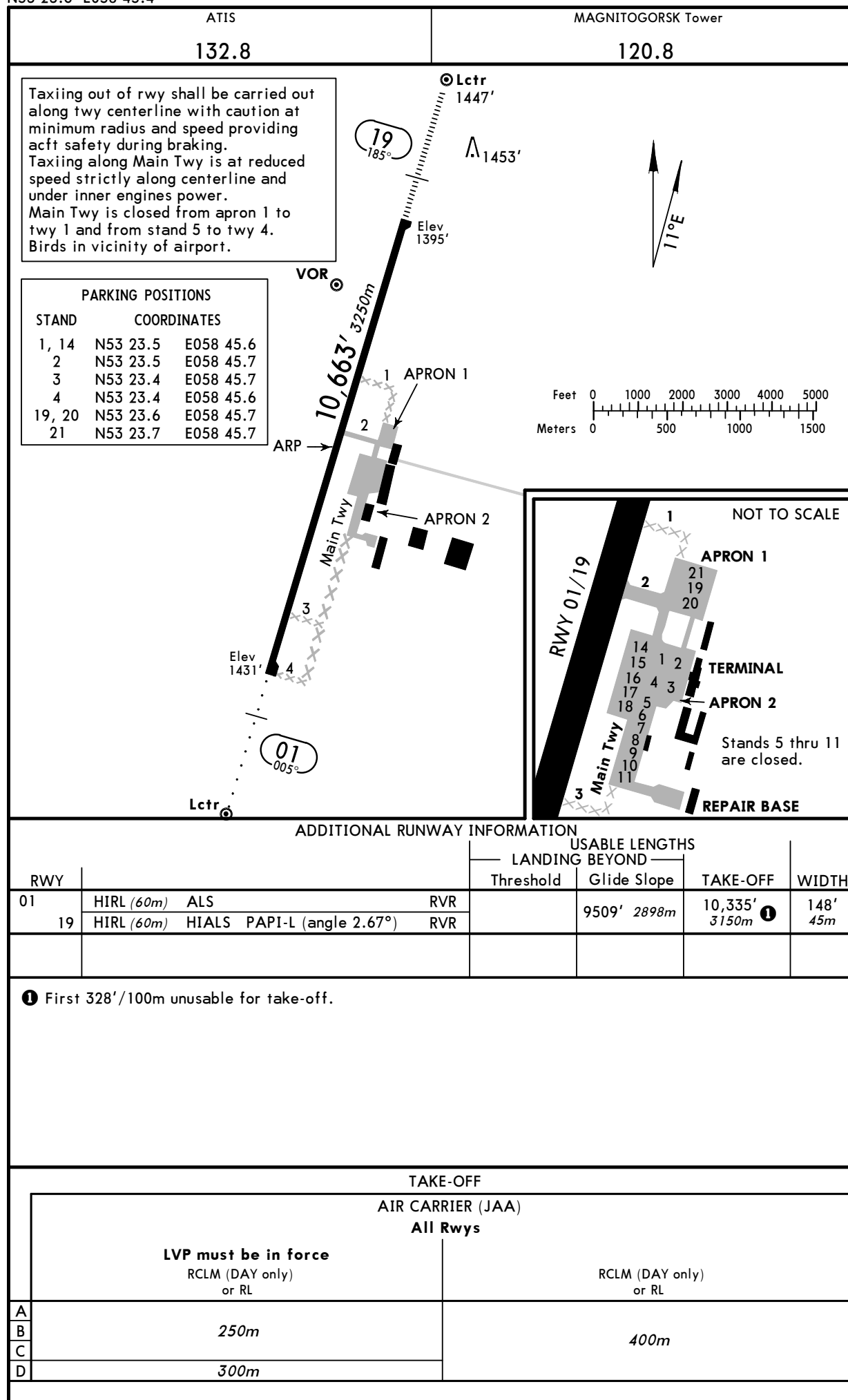


ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(665' - 200m)
3370'	(1975' - 600m)
5370'	(3975' 1200m)

FL CONVERSION
FL79 FL2400m

USCM/MQF
Apt Elev **1431'**
N53 23.6 E058 45.4

JEPPESSEN MAGNITOGORSK, RUSSIA
9 APR 10 **(10-9)**
MAGNITOGORSK



USCM/MQF


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

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

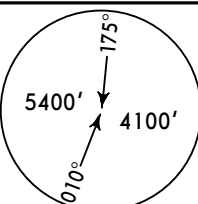
TAKE-OFF RWY 01, 19

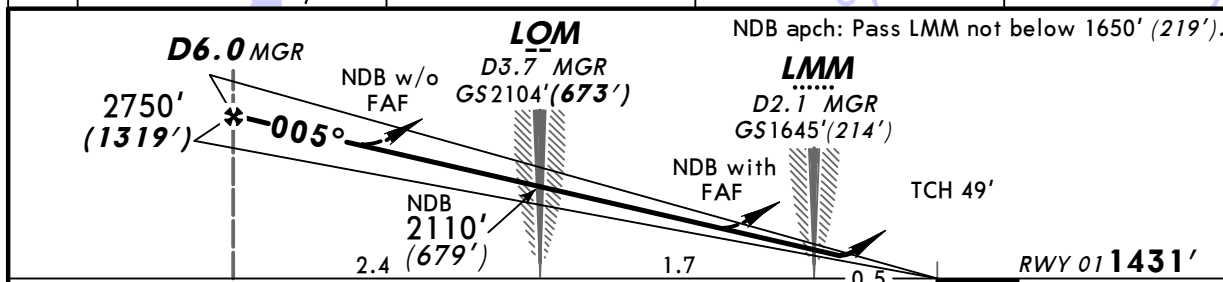
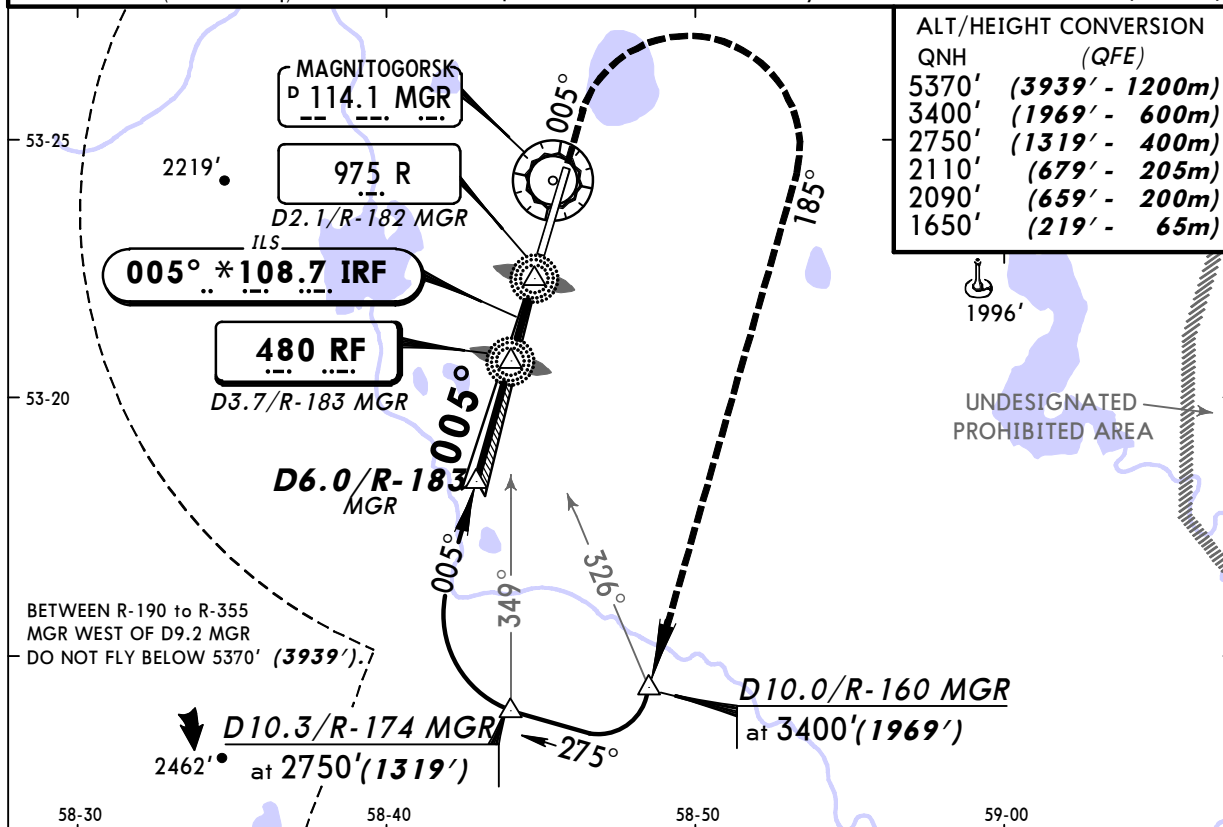
LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		
B	250m	400m
C		
D	300m	
		NIL (DAY only)

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.						MSA MGR VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: By ATC		
				Trans alt: 5370' (3939')		



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

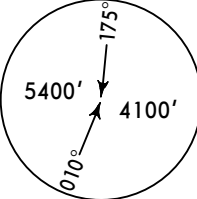
STRAIGHT-IN LANDING RWY 01					
ILS DA(H) 1631' (200')		LOC (GS out)	NDB with FAF MDA(H) 1740' (309')		NDB w/o FAF MDA(H) 2400' (969')
FULL	ALS out		ALS out		ALS out
A					
B					
C	1200m	NOT AUTH	RVR 1500m VIS 1600m		3200m
D					4800m

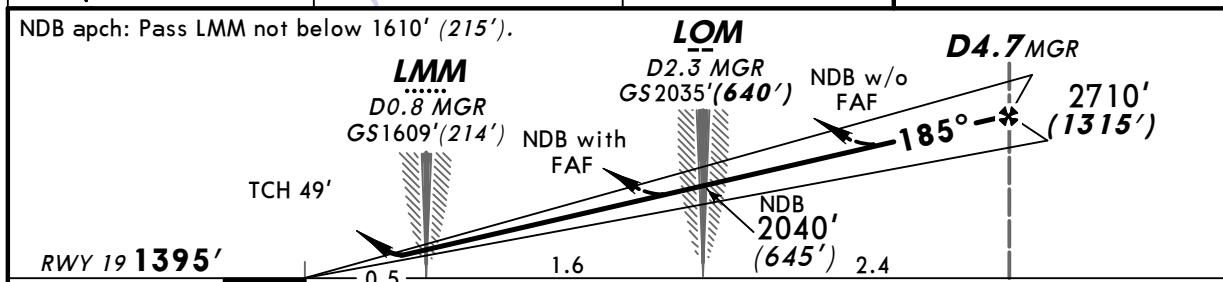
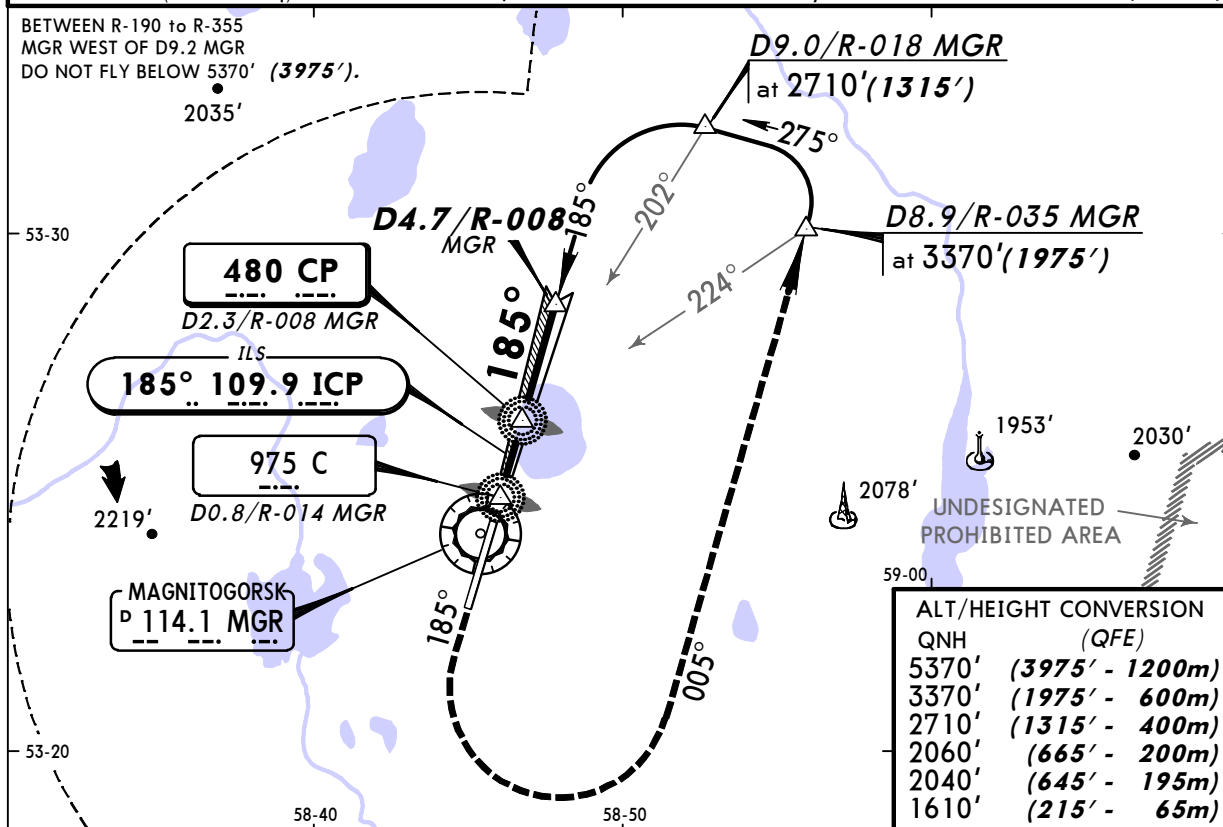
PANS OPS

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'		 MSA MGR VOR
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.						
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° LT	3370' (1975')
ILS GS or NDB Desc angle 2.67°	336	432	480	576	671	767	PAP			

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					3200m		
B			1200m				
C	RVR 720m VIS 800m	1200m	NOT AUTH	RVR 1500m VIS 1600m	3600m		
D			RVR 1500m VIS 1600m		3600m	4000m	

PANS OPS

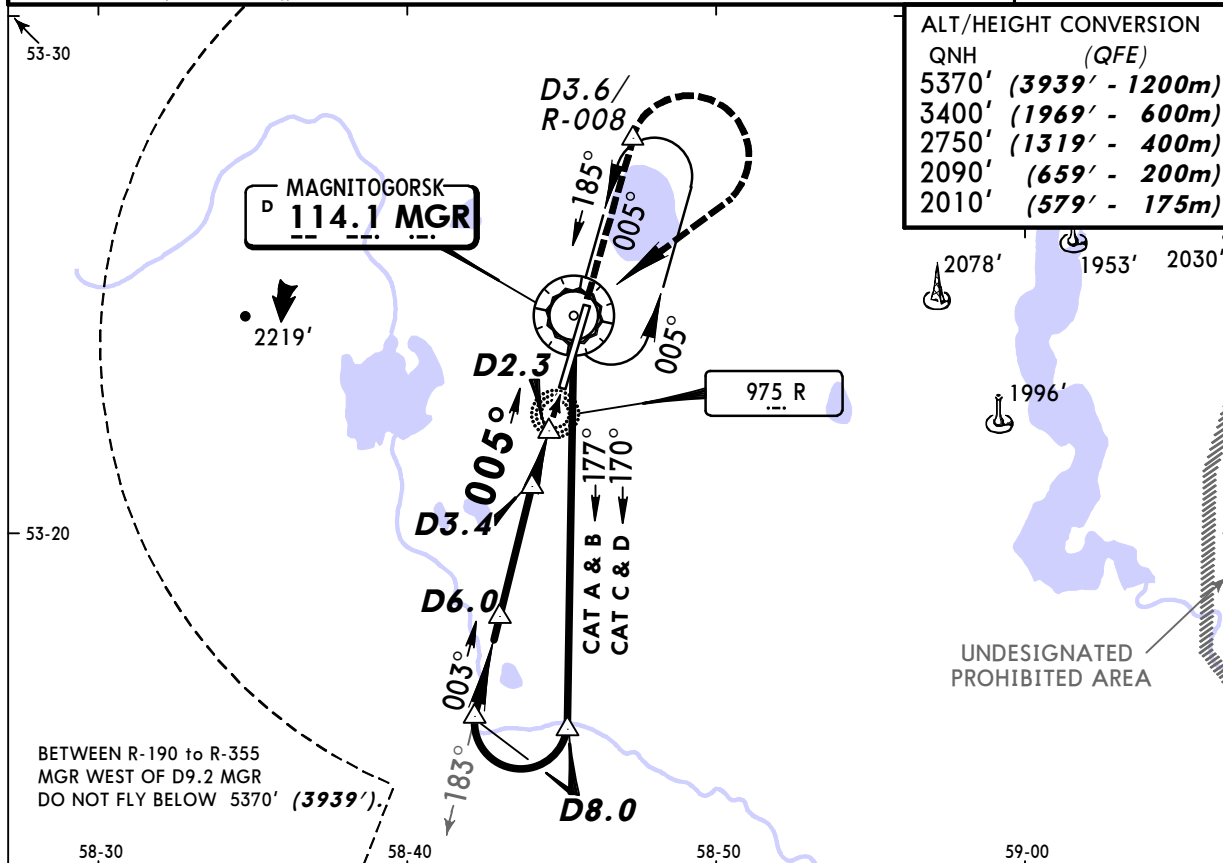
USCM/MQF MAGNITOGORSK

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

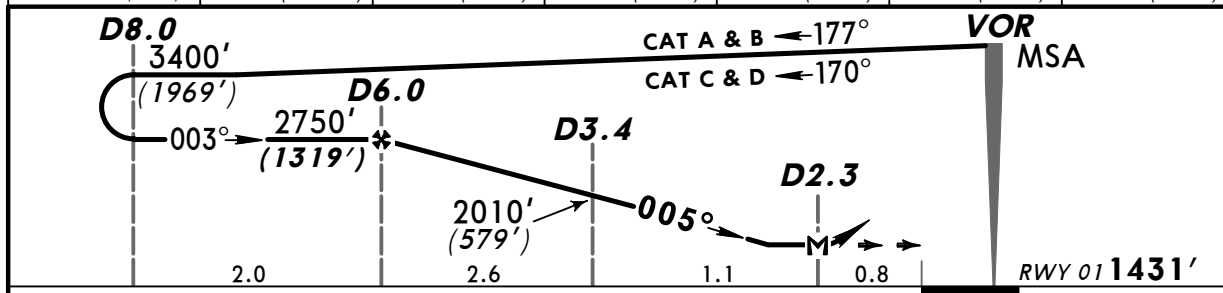
MAGNITOGORSK, RUSSIA VOR DME Rwy 01

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')					



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
Descent angle 2.67°	331	425	472	567	661	756			—		2090'
MAP at D2.3									⋮		(659') on 005°
									⋮		↑

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

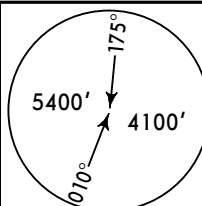
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21 MAY 10 **13-2** Eff 3 Jun

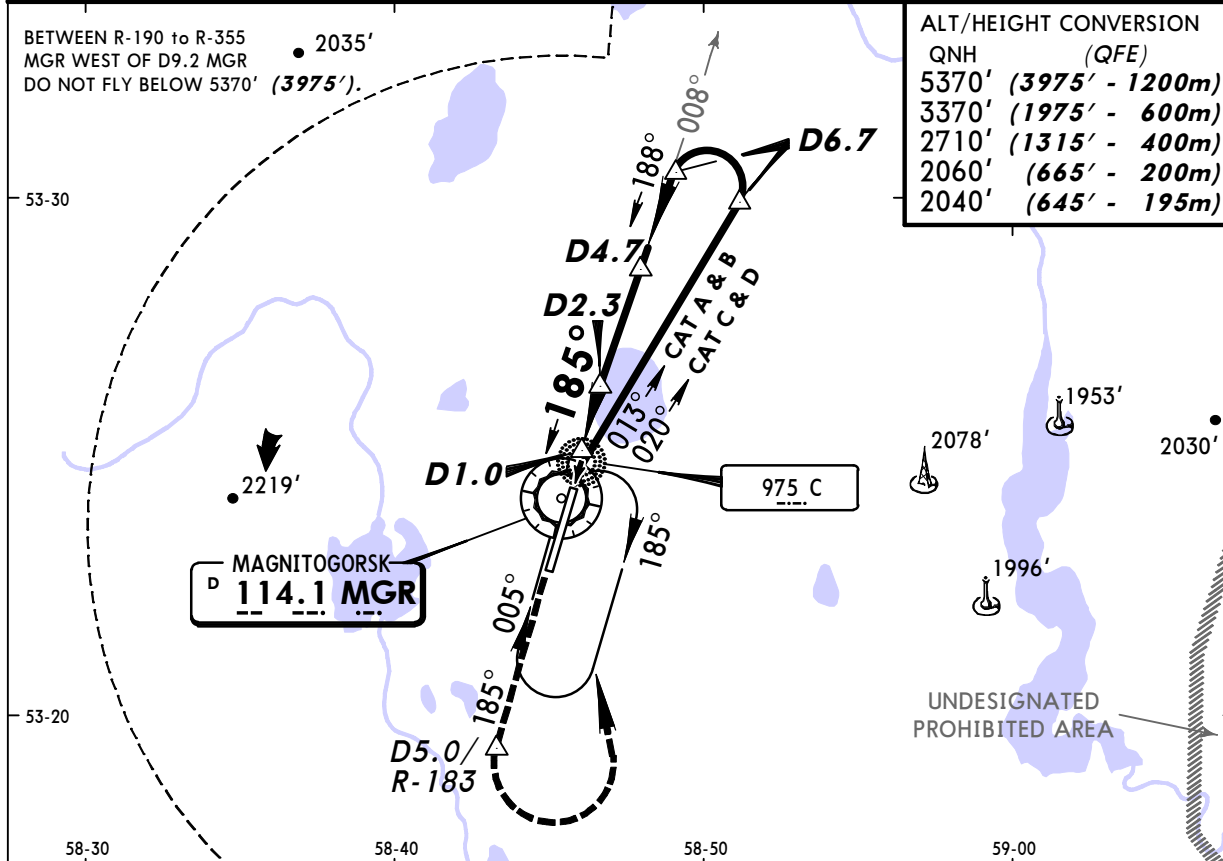
MAGNITOGORSK, RUSSIA VOR DME Rwy 19

BRIEFING STRIP

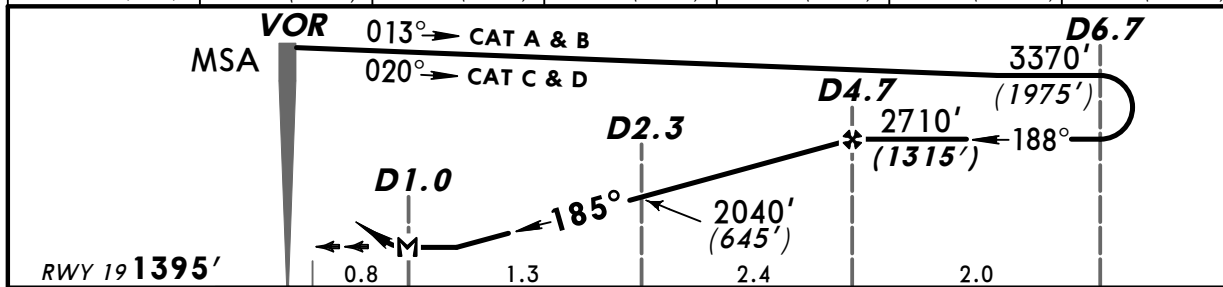
ATIS 132.8			MAGNITOGORSK Tower 120.8		
VOR MGR 114.1	Final Apch Crs 185°	Minimum Alt D4.7 2710' (1315')	MDA(H) 1720' (325')	Apt Elev 1431'	RWY 1395'
MISSED APCH: Climb on 185° to 2060' (665') or above. At D5.0 turn LEFT to VOR climbing to 3370' (1975'), then according to chart.					
Alt Set: MM (hPa 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		
MAP at D1.0								

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

PANS OPS