

UHSS/UUS
KHOMUTOVO

10 OCT 08

10-2

Eff 23 Oct

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

STAR

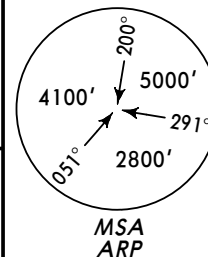
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4946'**)

ODEKO 2, SAVOR 2A [SAVO2A]

SAVOR 2B [*SAVO2B*]

RWY 01 ARRIVALS

FROM SOUTHEAST

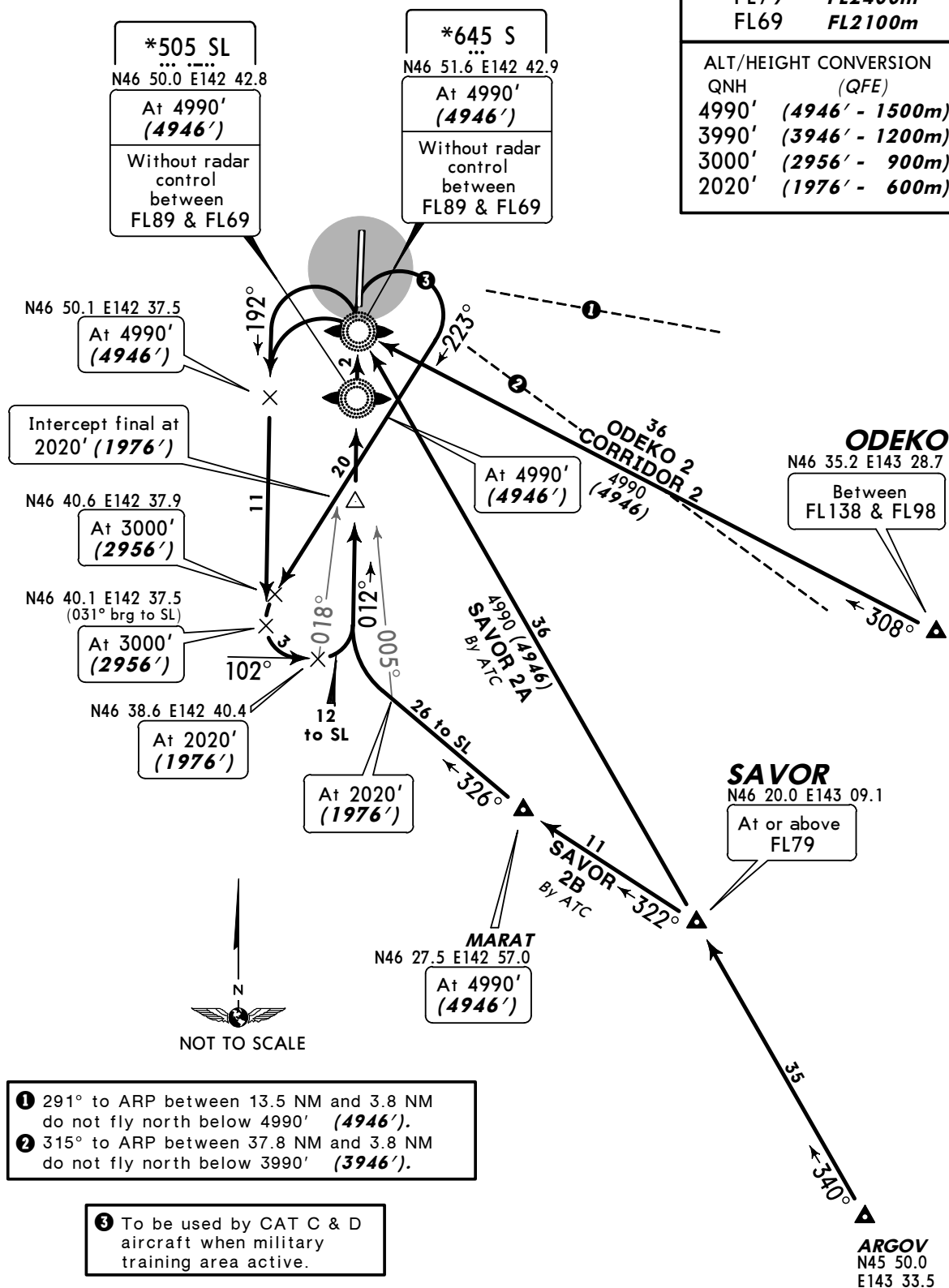
MINIMUM 165 KT

FL CONVERSION

FL138	<i>FL4200m</i>
FL98	<i>FL3000m</i>
FL89	<i>FL2700m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)



UHSS/UUS
KHOMUTOVO

10 OCT 08

10-2A

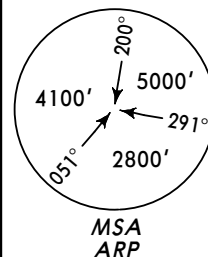
Eff 23 Oct

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')



ODEKO 2, SAVOR 2A, SAVOR 2B

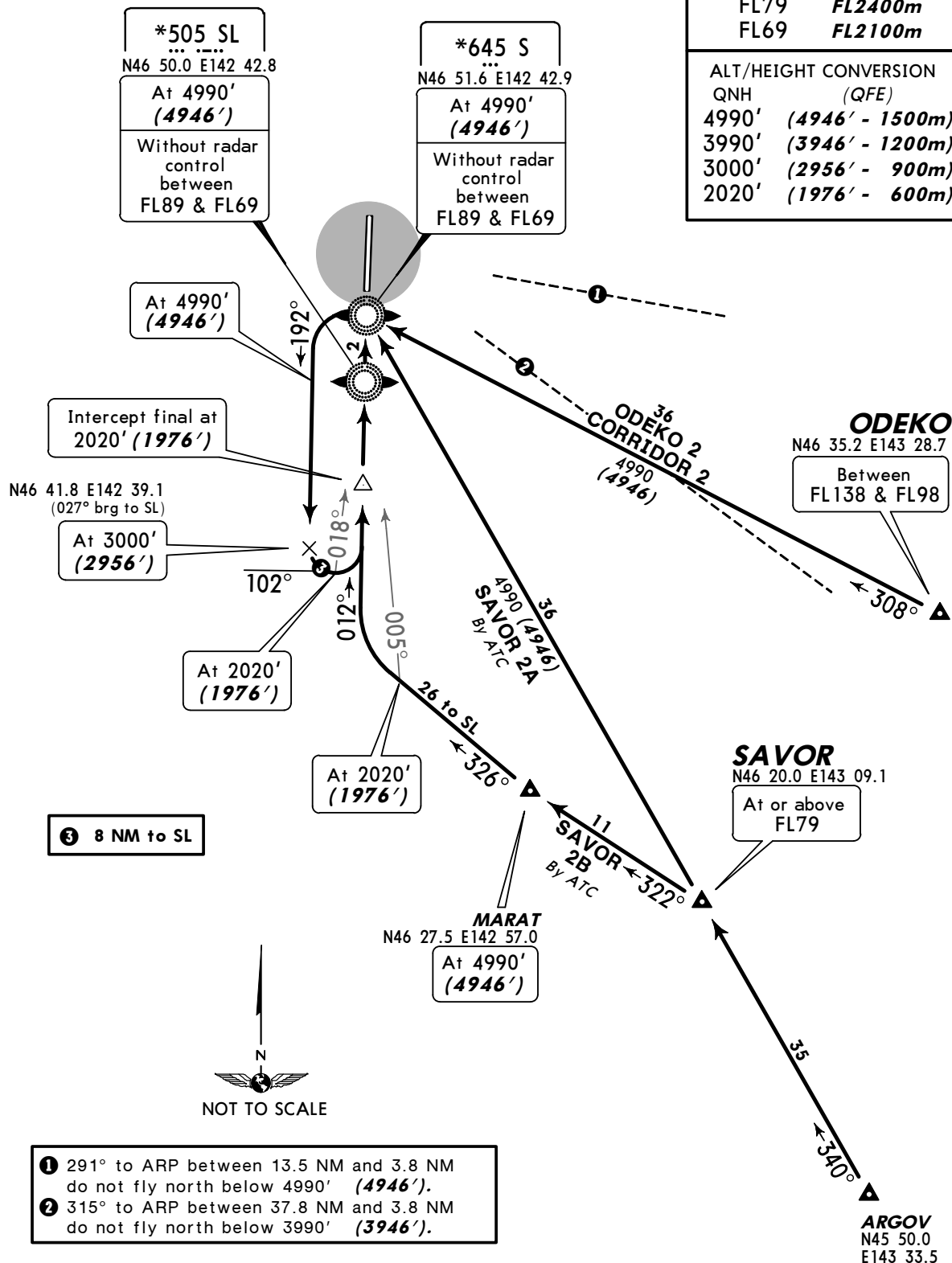
FROM SOUTHEAST

MAX 165 KT

CAT A & B

FL CONVERSION	
FL138	FL4200m
FL98	FL3000m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)



- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 4990' (4946').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3946').

UHSS/UUS
KHOMUTOVO

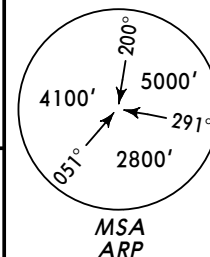
JEPPESEN
20 JUN 08 10-2B Eff 3 Jul

YUZHNO-SAKHALINSK, RUSSIA

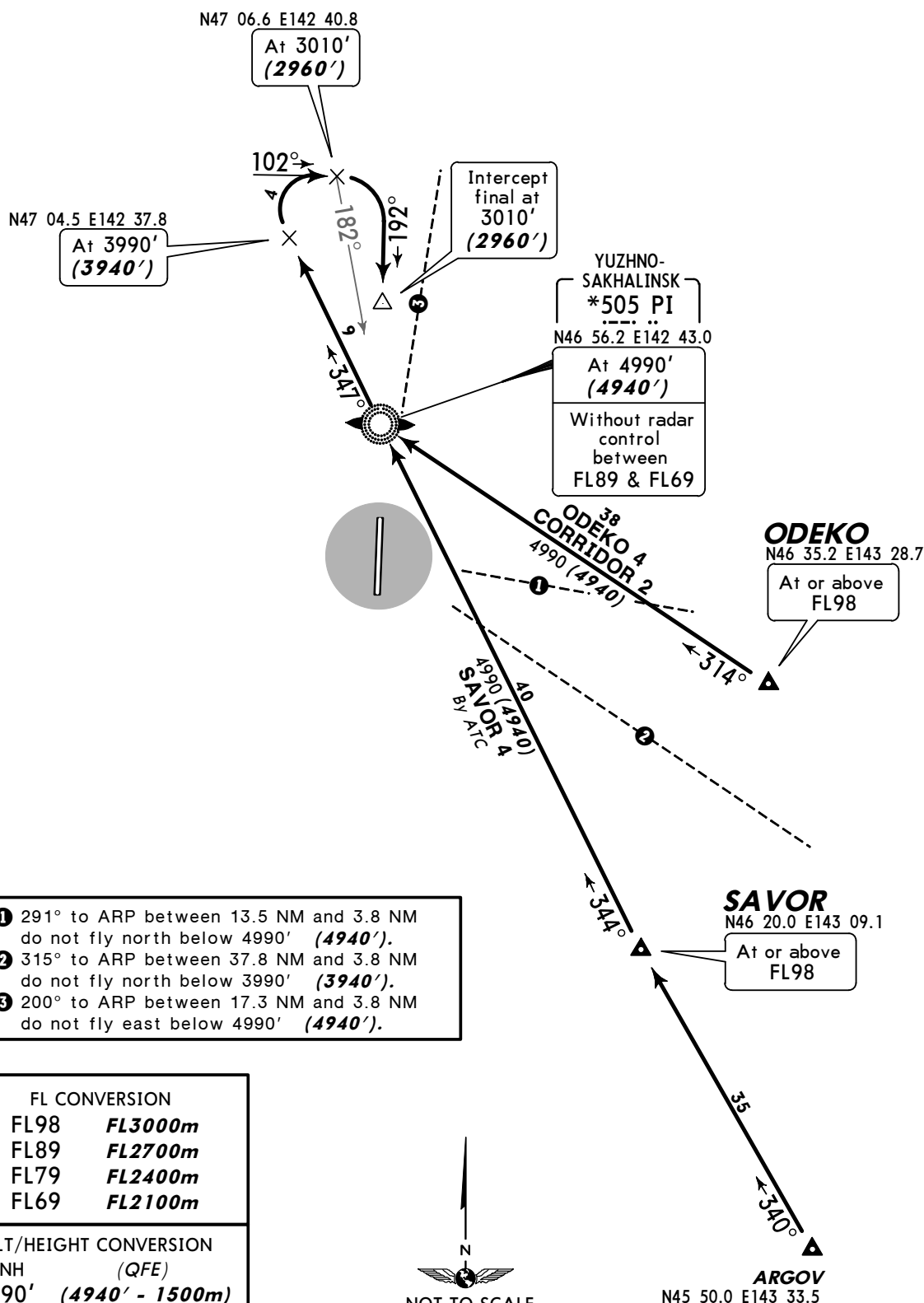
STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4940')



ODEKO 4, SAVOR 4
RWY 19 ARRIVALS
FROM SOUTHEAST
MINIMUM 165 KT



- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 4990' (4940').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3940').
- 3 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (4940').

FL CONVERSION

FL98 FL3000m
FL89 FL2700m
FL79 FL2400m
FL69 FL2100m

ALT/HEIGHT CONVERSION

QNH (QFE)
4990' (4940' - 1500m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

UHSS/UUS
KHOMUTOVO

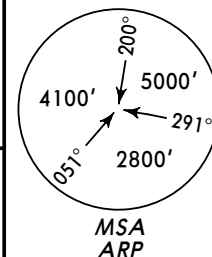
JEPPESEN
20 JUN 08 **10-2C** **Eff 3 Jul**

YUZHNO-SAKHALINSK, RUSSIA

STAR

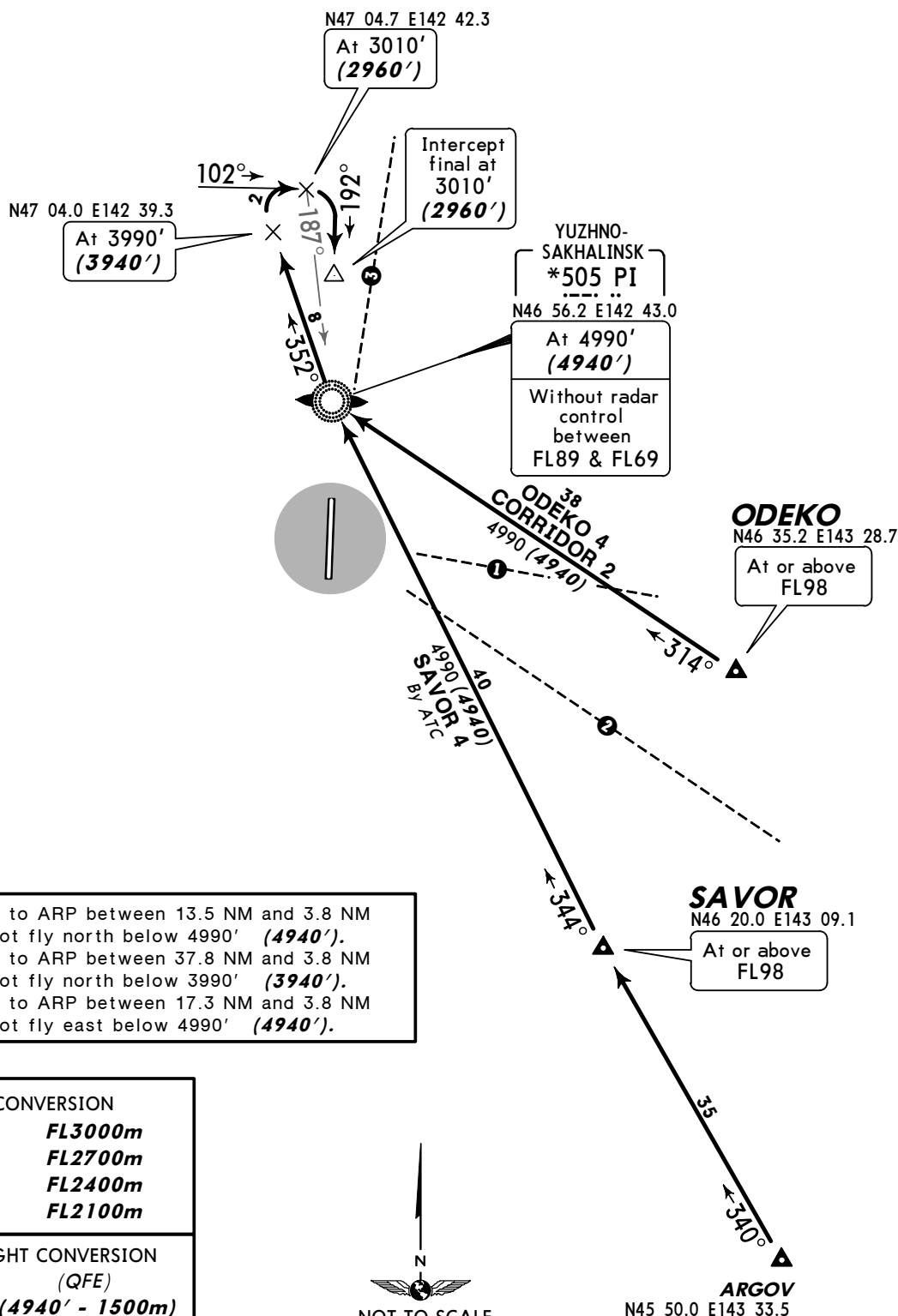
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' **(4940')**



ODEKO 4, SAVOR 4
RWY 19 ARRIVALS
FROM SOUTHEAST
MAX 165 KT

CAT A & B



- ① 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 4990' **(4940')**.
- ② 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' **(3940')**.
- ③ 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' **(4940')**.

UHSS/UUS
KHOMUTOVO

10 OCT 08

10-2D

Eff 23 Oct

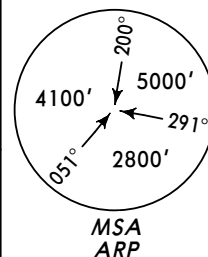
JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

STAR

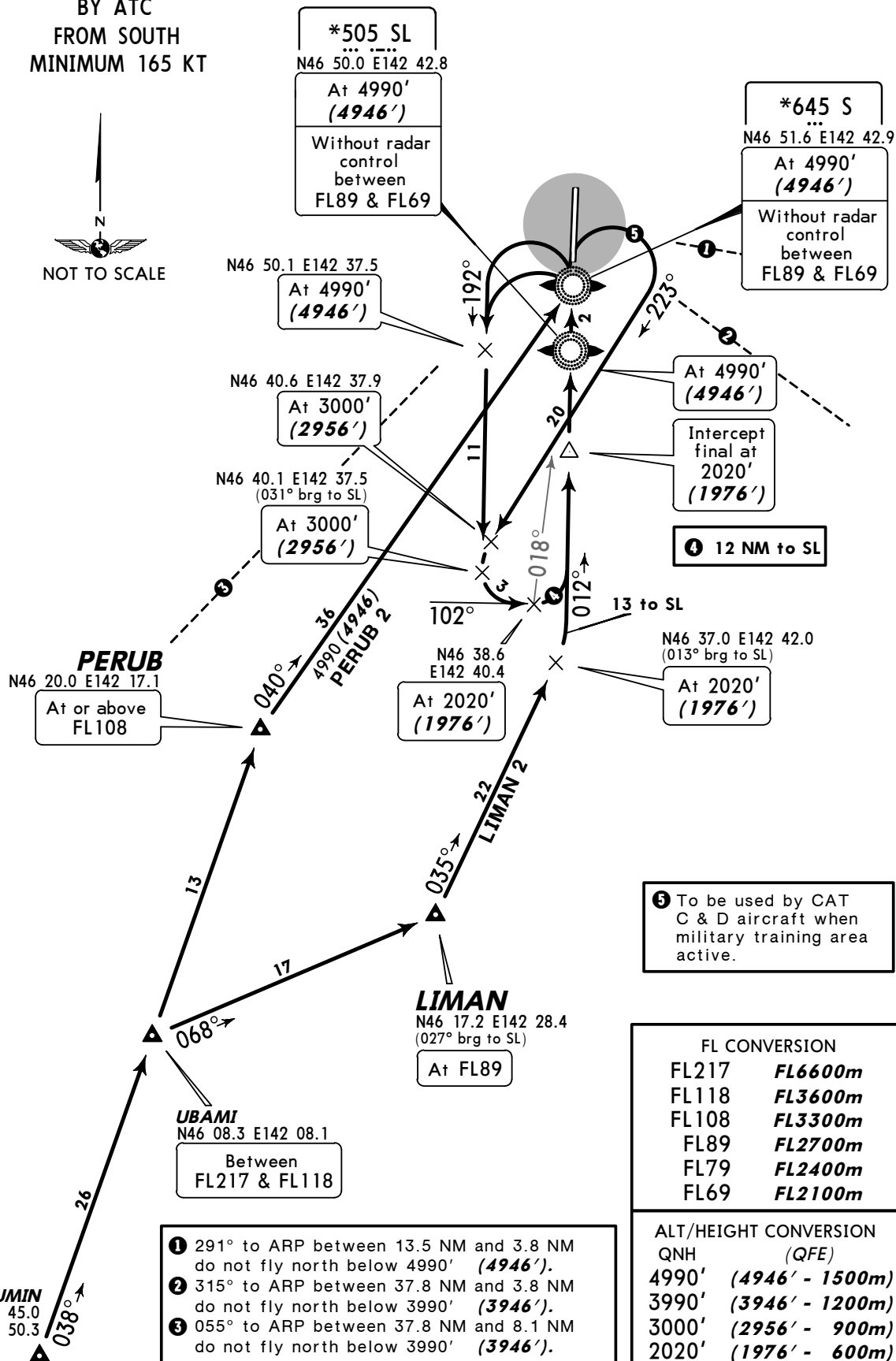
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')



LIMAN 2, PERUB 2 RWY 01 ARRIVALS

BY ATC
FROM SOUTH
MINIMUM 165 KT



UHSS/UUS
KHOMUTOVO

10 OCT 08

10-2E

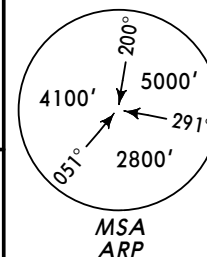
Eff 23 Oct

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

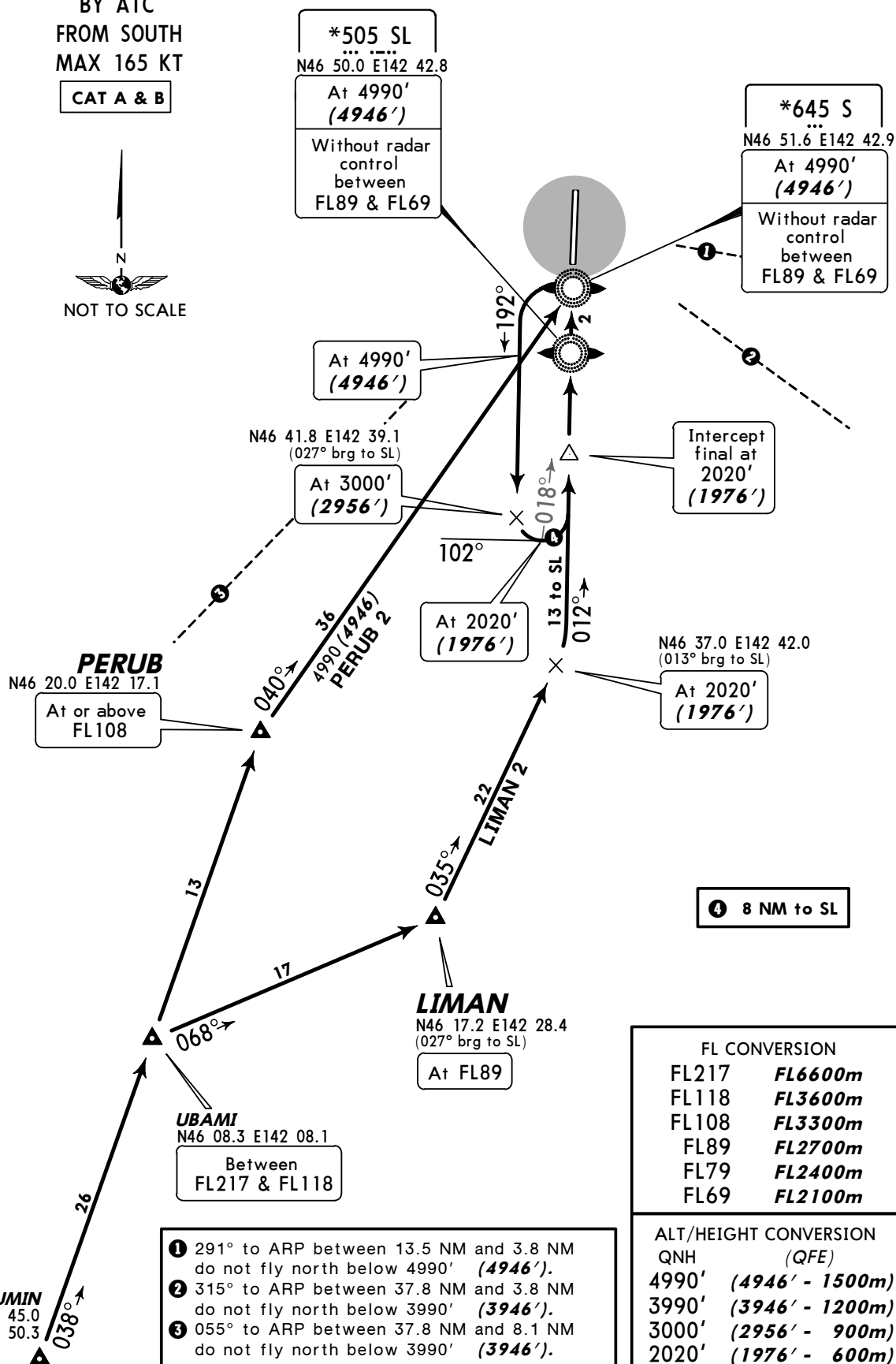
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')



LIMAN 2, PERUB 2 RWY 01 ARRIVALS

BY ATC
FROM SOUTH
MAX 165 KT

CAT A & B



UHSS/UUS
KHOMUTOVO

10 OCT 08

10-2F

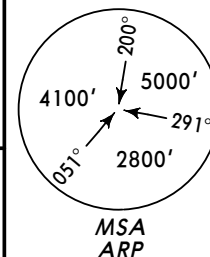
Eff 23 Oct

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

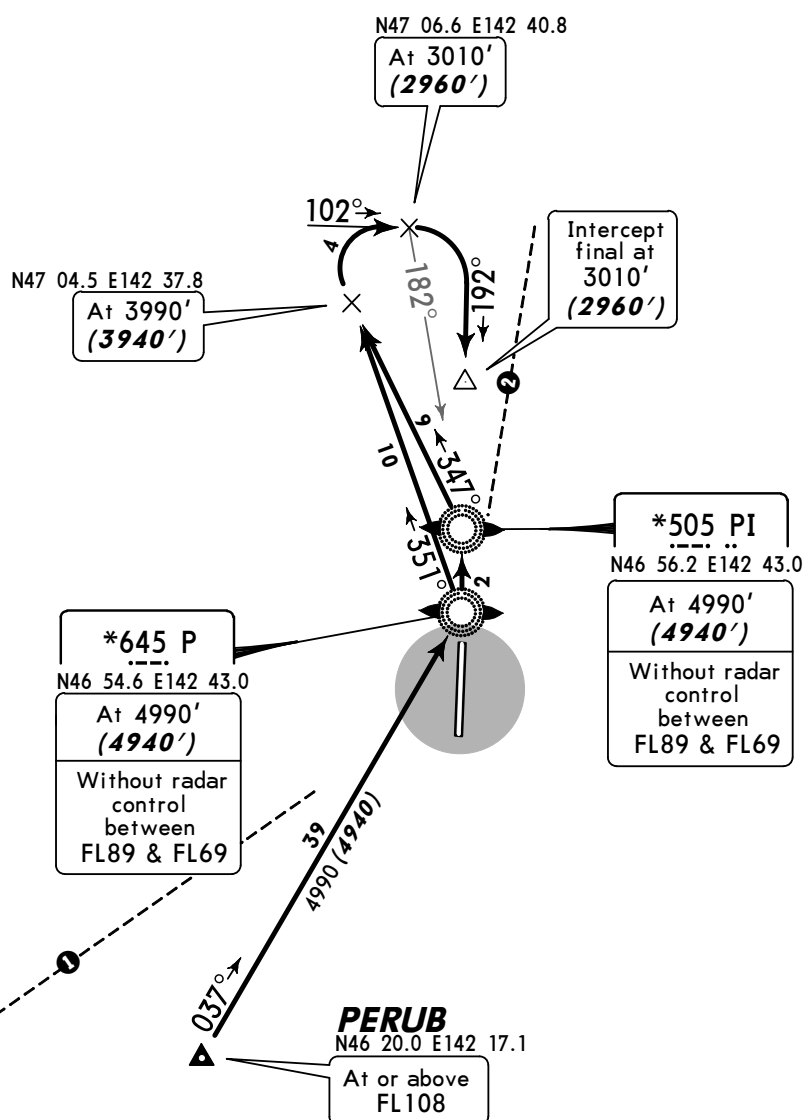
STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4940')



PERUB 4
RWY 19 ARRIVAL
BY ATC
FROM SOUTHWEST
MINIMUM 165 KT



- ① 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3940').
- ② 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (4940').

FL CONVERSION	
FL108	FL3300m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
KHOMUTOVO

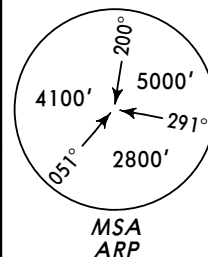
JEPPESEN
10 OCT 08 (10-2G) Eff 23 Oct

YUZHNO-SAKHALINSK, RUSSIA

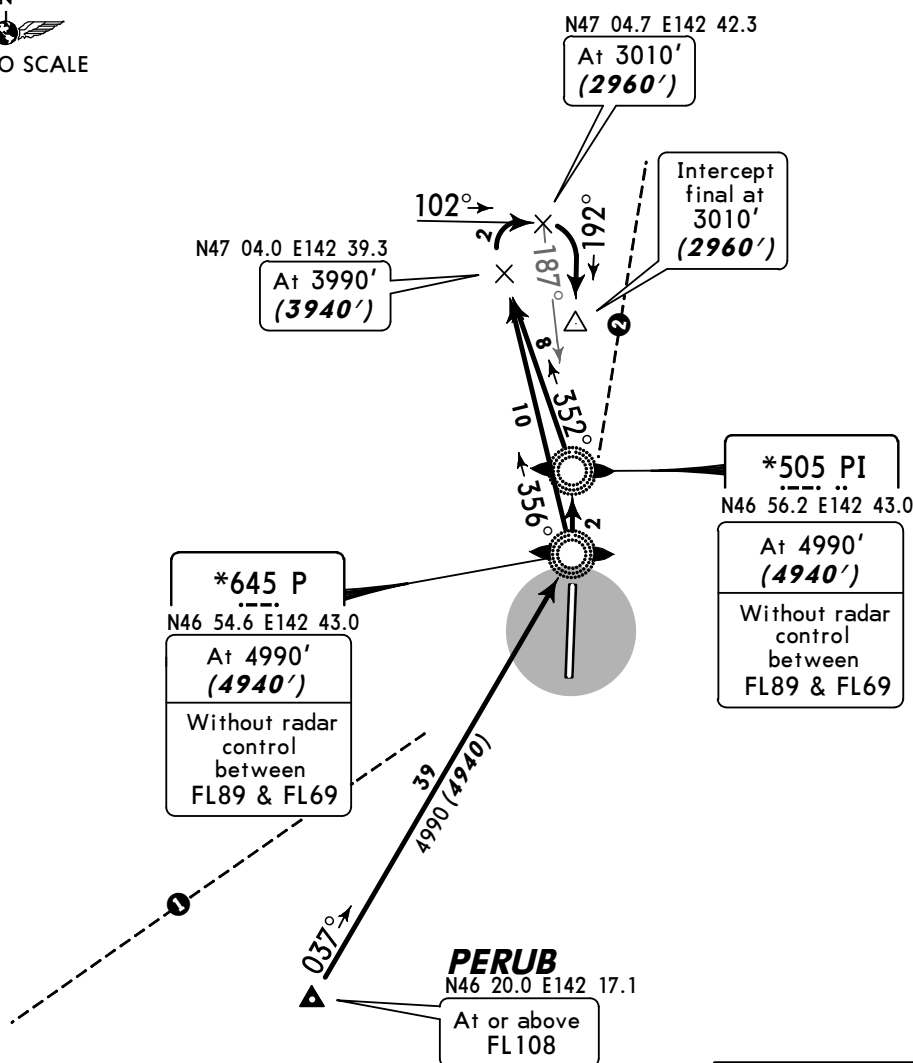
STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4940')



PERUB 4
RWY 19 ARRIVAL
BY ATC
FROM SOUTHWEST
MAX 165 KT
CAT A & B



- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3940').
- 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (4940').

FL CONVERSION

FL108	FL3300m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
 KHOMUTOVO

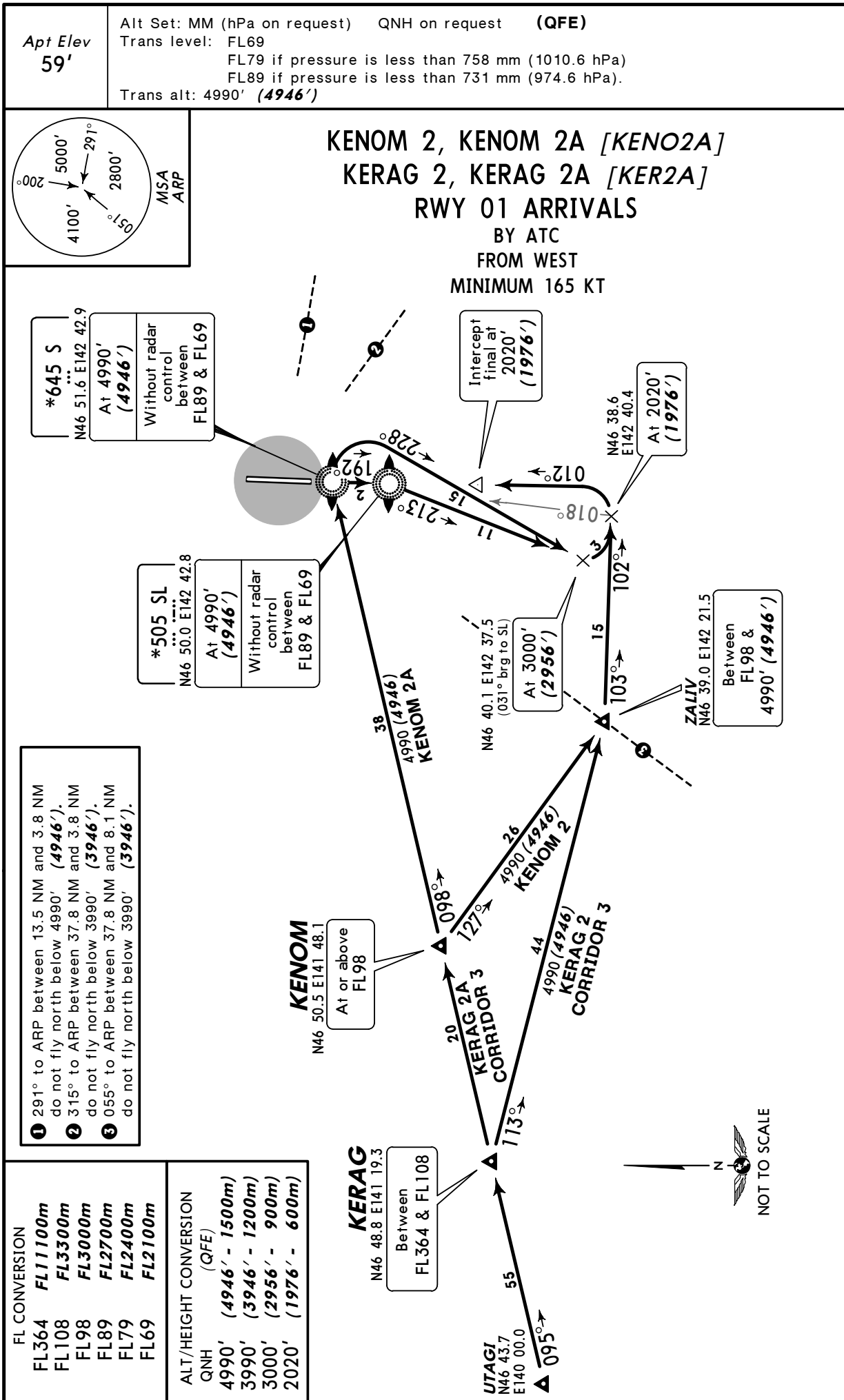
24 OCT 08

10-2H

JEPPESSEN

YUZHNO-SAKHALINSK, RUSSIA

STAR



UHSS/UUS
KHOMUTOVO

24 OCT 08

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

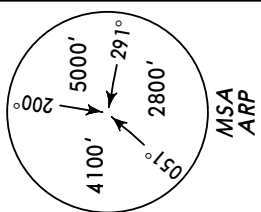
Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

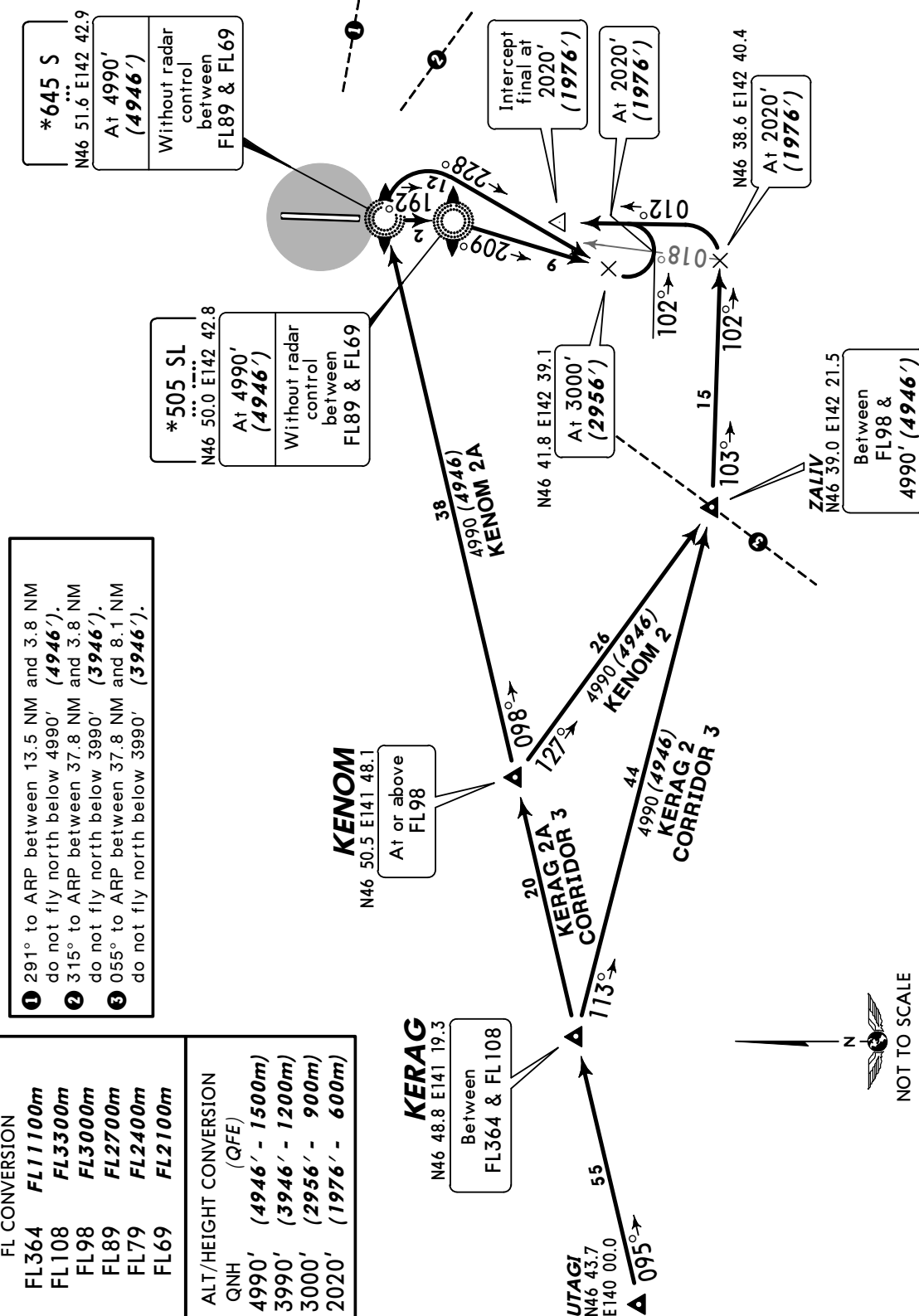
Trans alt: 4990' (**4946'**)



KENOM 2, KENOM 2A, KERAG 2, KERAG 2A
RWY 01 ARRIVALS

BY ATC
FROM WEST
MAX 165 KT

CAT A & B



FL CONVERSION

FL364	<i>FL11100m</i>
FL108	<i>FL3300m</i>
FL98	<i>FL3000m</i>
FL89	<i>FL2700m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3300'	(2956' - 900m)
2020'	(1976' - 600m)

KERAG

Between
FL364 & FL108

UTAGI
N46 43.7
E140 00.0

NOT TO SCALE

UHSS/UUS
KHOMUTOVO

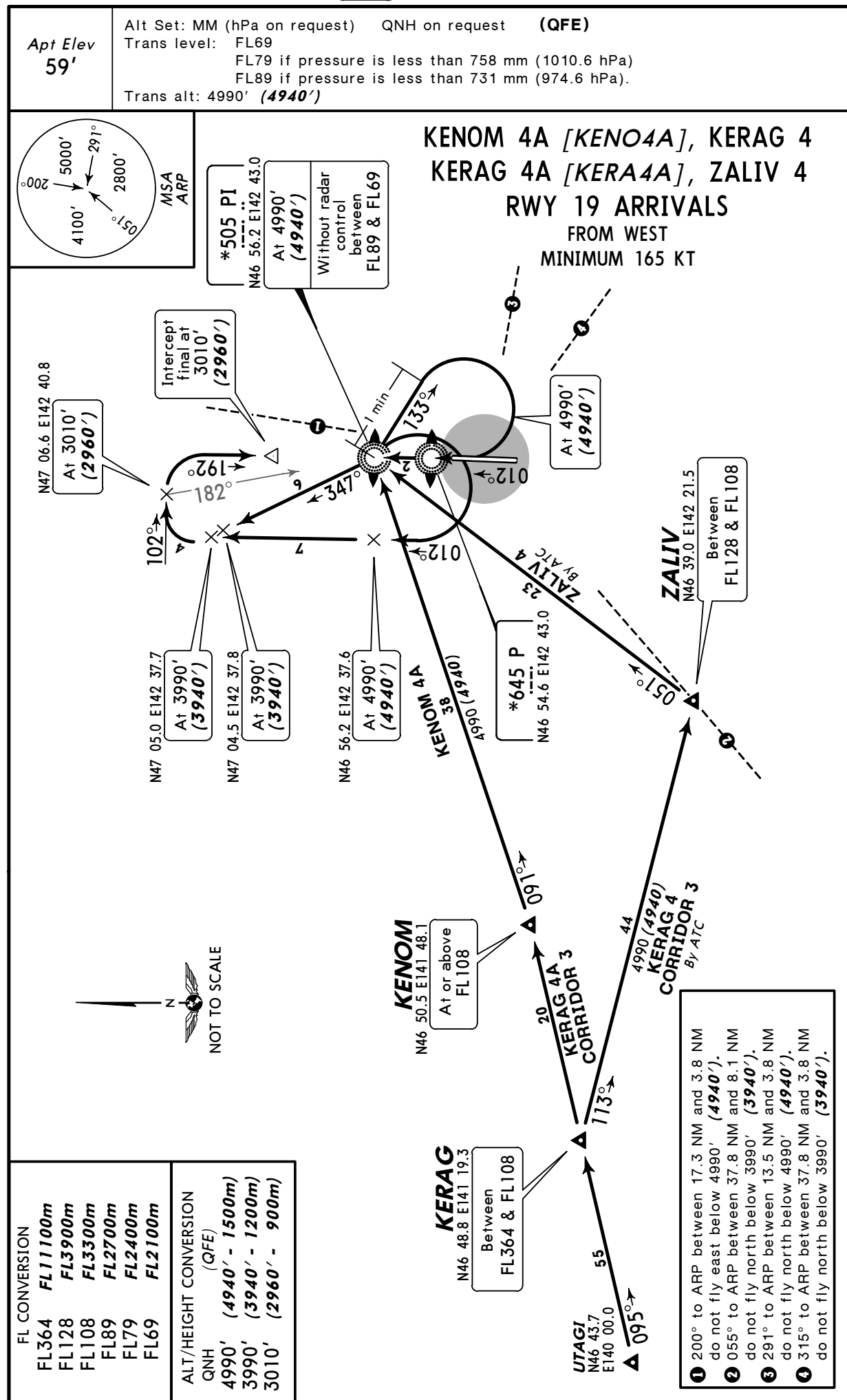
24 OCT 08

10-2K

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

STAR



UHSS/UUS
KHOMUTOVO

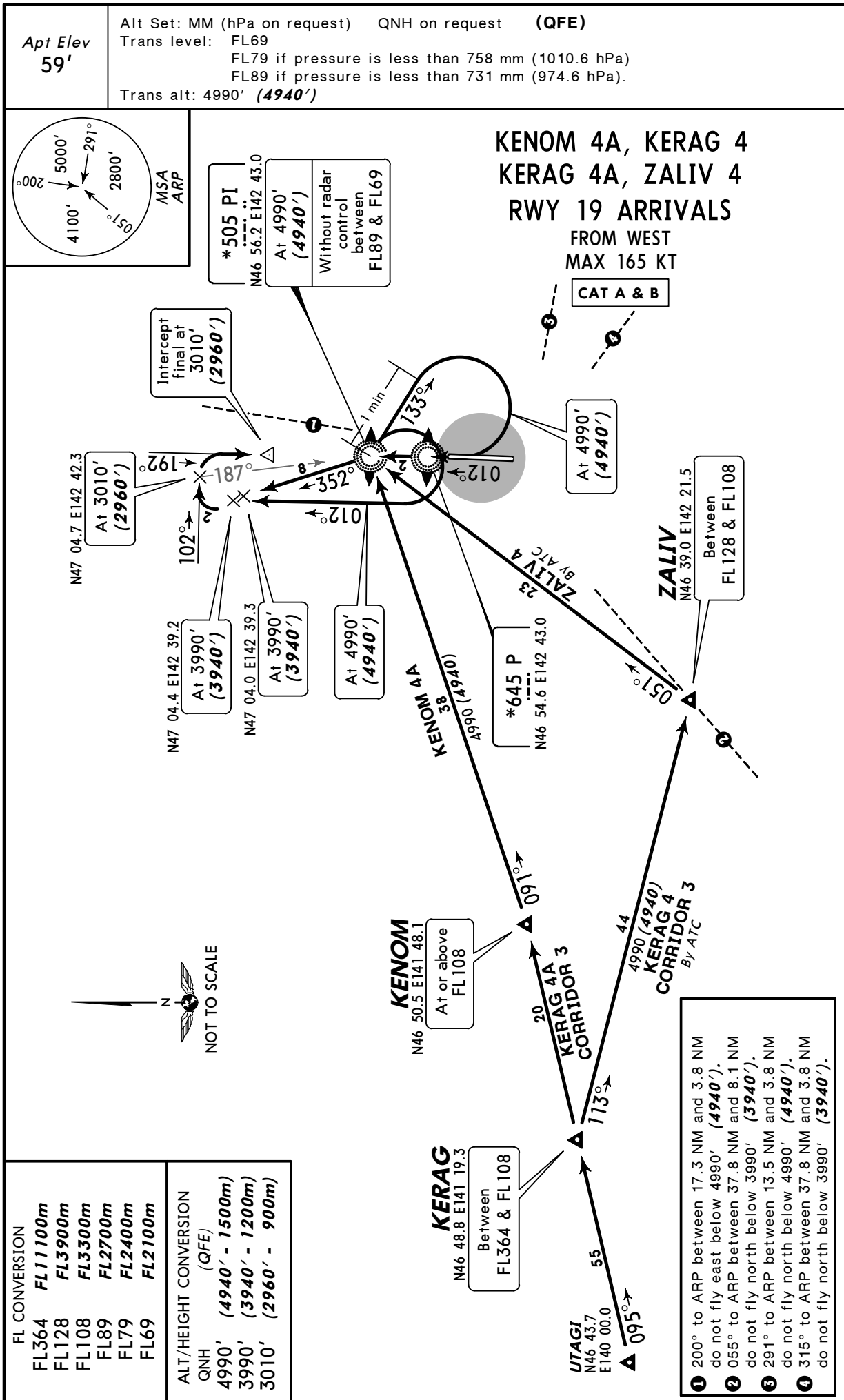
24 OCT 08

10-2L

JEPPESSEN

YUZHNO-SAKHALINSK, RUSSIA

STAR



UHSS/UUS
KHOMUTOVO

2 JAN 09

9 $(10-2M)$

Eff 15 Jan

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4946'**)

BIKUR 2, ODONA 2

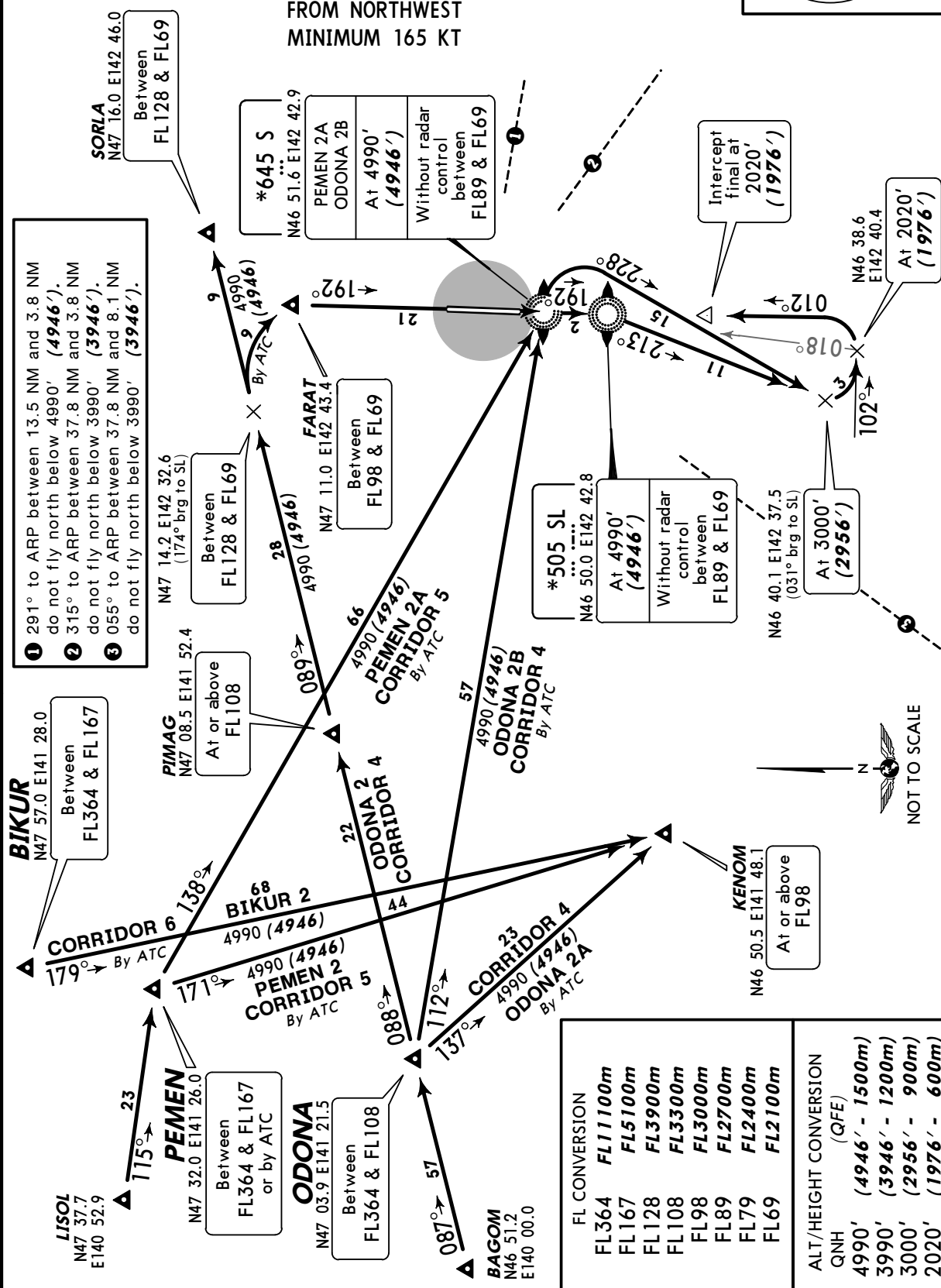
ODONA 2A [ODON2A], ODONA 2B [ODON2B]

PEMEN 2, PEMEN 2A [PEME2A]

RWY 01 ARRIVALS

FROM NORTHWEST

MINIMUM 165 KT



UHSS/UUS
KHOMUTOVO

2 JAN 09

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

10-2N

Eff 15 Jan**STAR**

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

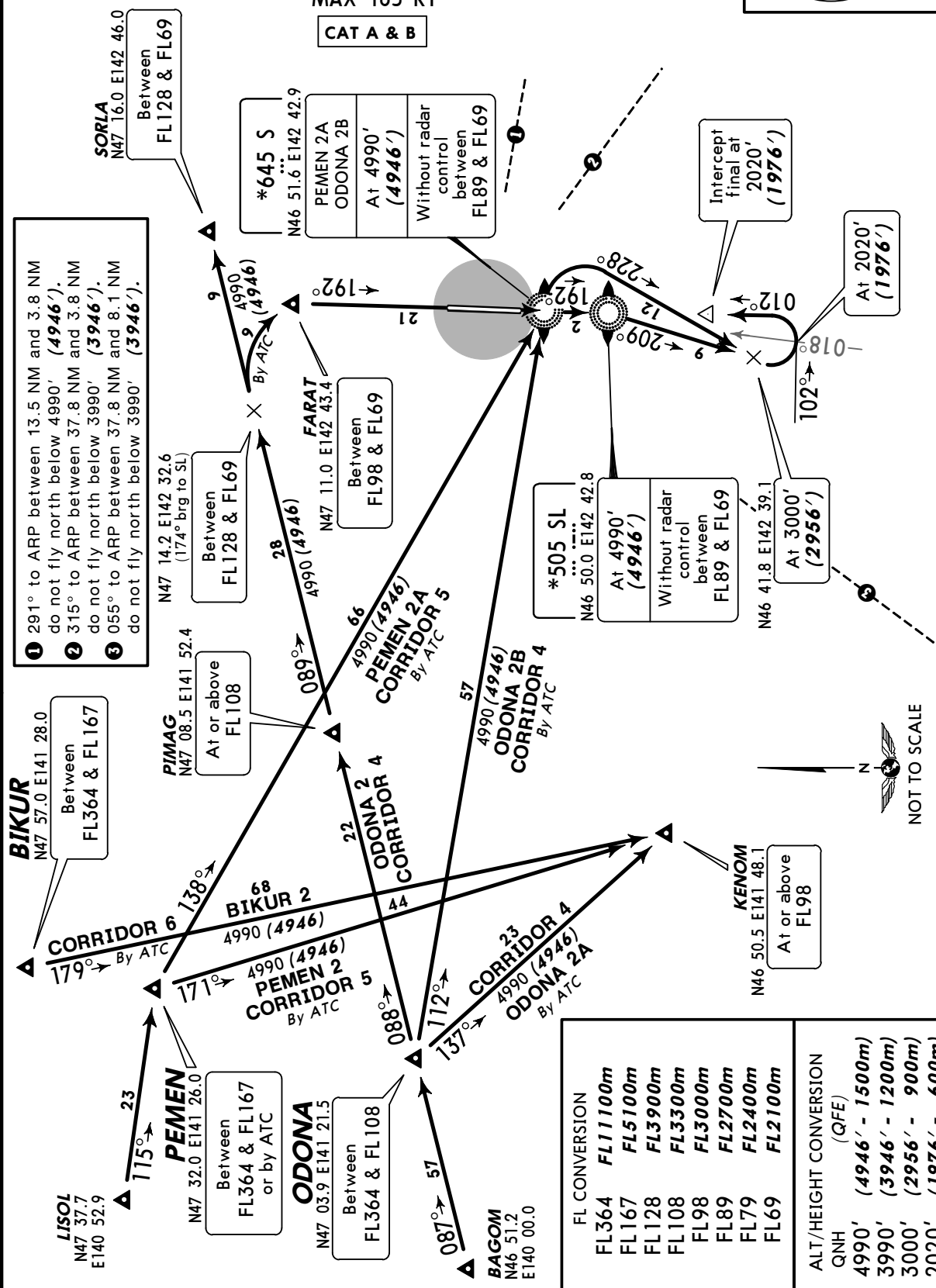
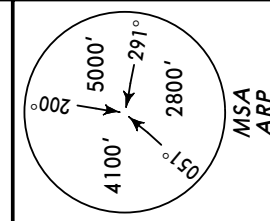
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4946'**)

BIKUR 2, ODONA 2, ODONA 2A, ODONA 2B
PEMEN 2, PEMEN 2A
RWY 01 ARRIVALS
FROM NORTHWEST
MAX 165 KT

CAT A & B

UHSS/UUS
KHOMUTOVO

2 JAN 09

9 (10-2P)

Eff 15 Jan

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

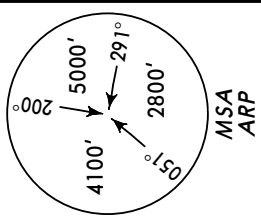
Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4940'**)



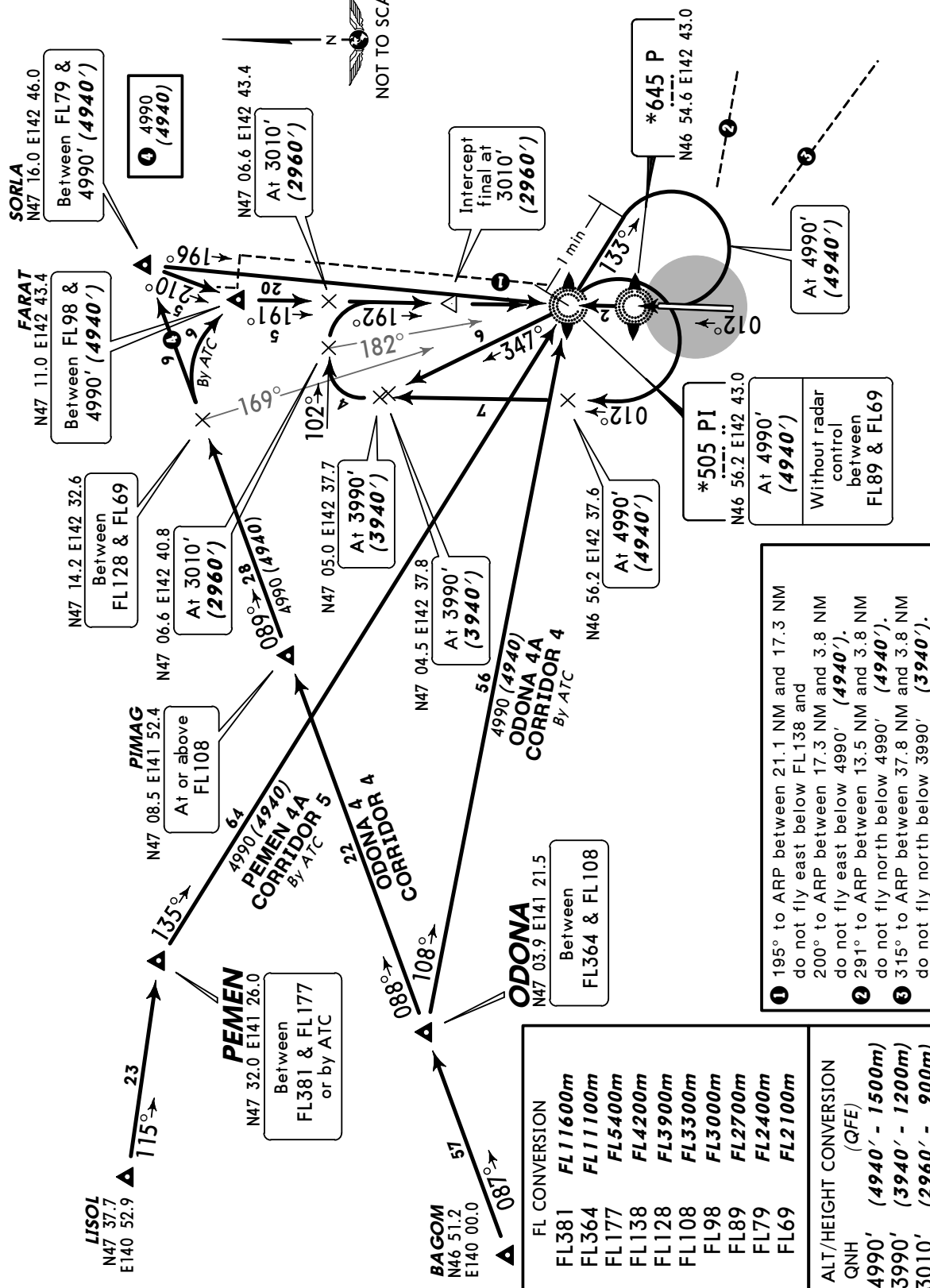
ODONA 4, ODONA 4A [*ODON4A*]

PEMEN 4A [*PEME4A*]

RWY 19 ARRIVALS

FROM NORTHWEST

MINIMUM 165 KT



UHSS/UUS
KHOMUTOVO

2 JAN 09

 $9 \quad (10 - 2Q)$ **Eff 15 Jan**

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

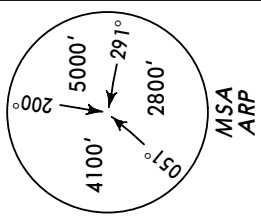
Alt Set: MM (hPa on request) QNH on request **(QFE)**

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4940'**)

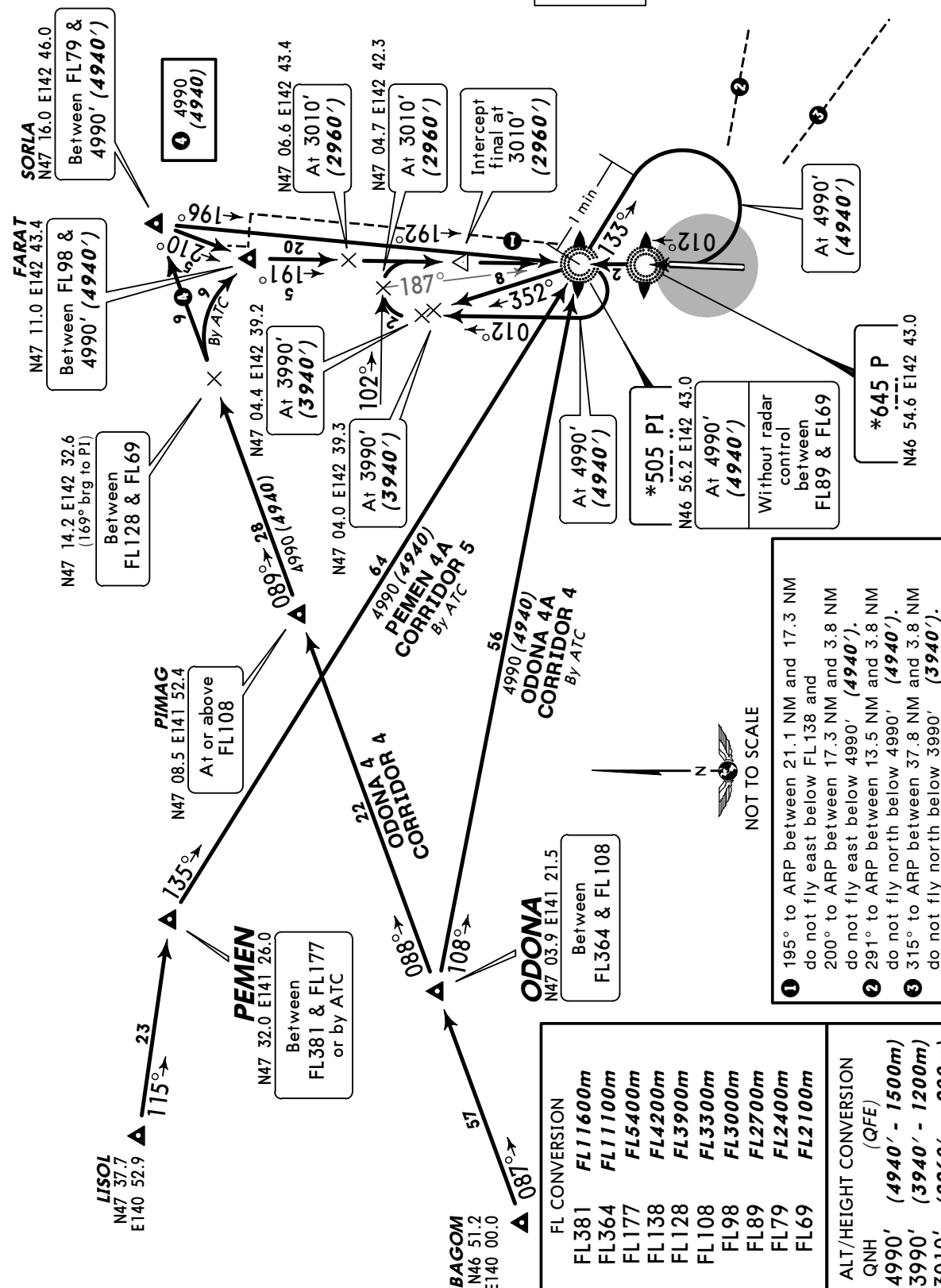


ODONA 4, ODONA 4A, PEMEN 4A

RWY 19 ARRIVALS

FROM NORTHWEST

MAX 165 KT

CAT A & B

UHSS/UUS
KHOMUTOVO

12 SEP 08

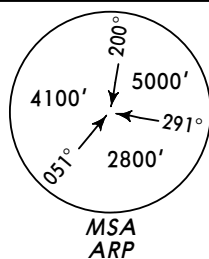
JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

10-2S

Eff 25 Sep

STAR



Apt Elev
59'

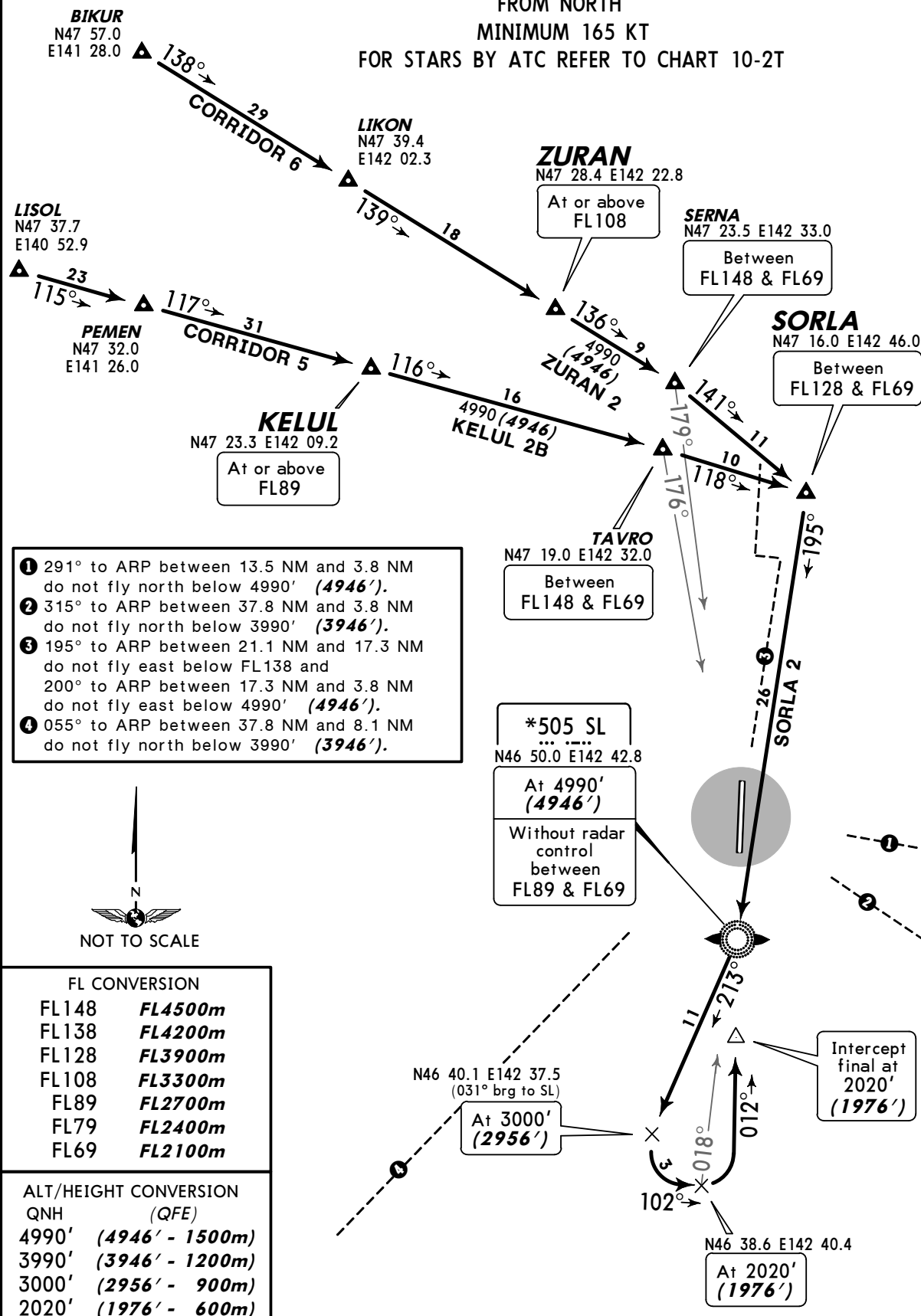
Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL69
 FL79 if pressure is less than 758 mm (1010.6 hPa)
 FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' **(4946')**

KELUL 2B, SORLA 2, ZURAN 2
RWY 01 ARRIVALS

FROM NORTH

MINIMUM 165 KT

FOR STARS BY ATC REFER TO CHART 10-2T



UHSS/UUS
KHOMUTOVO

12 SEP 08

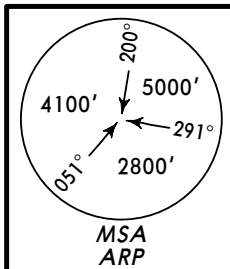
10-2T

Eff 25 Sep

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

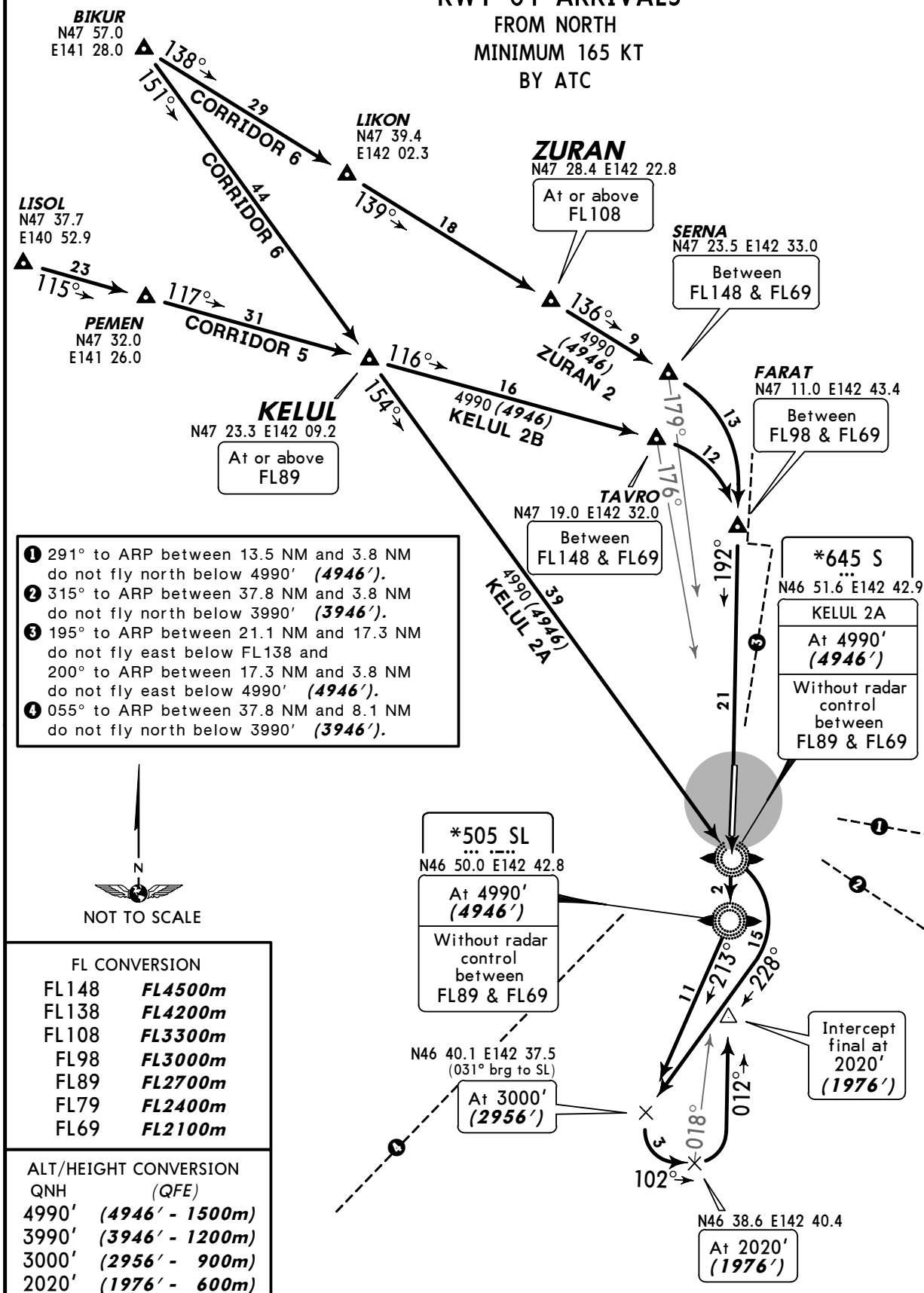
Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL69
 FL79 if pressure is less than 758 mm (1010.6 hPa)
 FL89 if pressure is less than 731 mm (974.6 hPa).
 Trans alt: 4990' (4946')

KELUL 2A [KELU2A], KELUL 2B [KELU2B]

ZURAN 2

RWY 01 ARRIVALS

FROM NORTH
 MINIMUM 165 KT
 BY ATC



UHSS/UUS
KHOMUTOVO

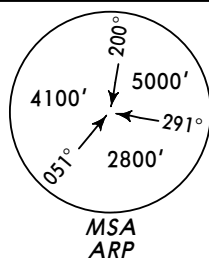
12 SEP 08

10-2U

Eff 25 Sep

STAR

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')

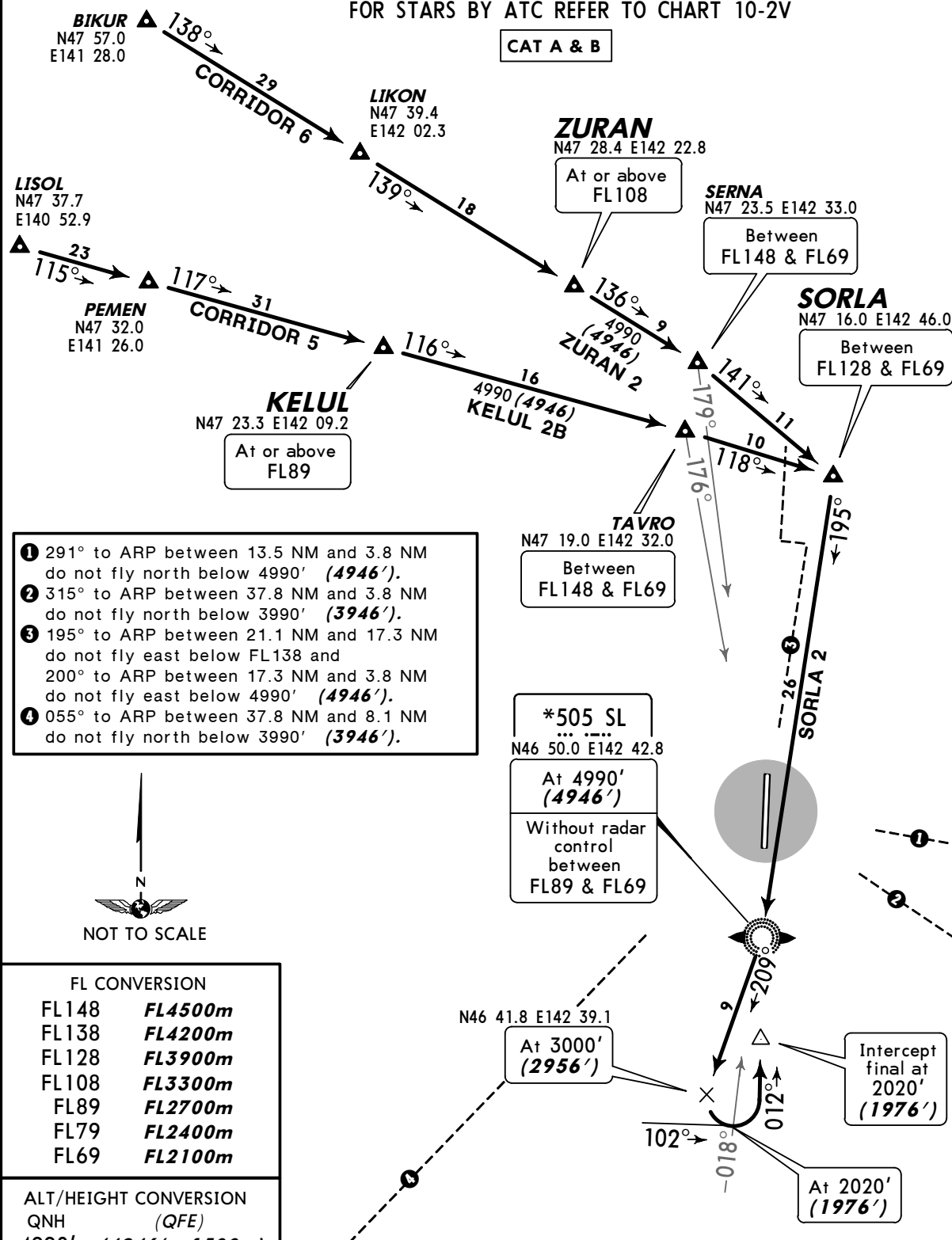
KELUL 2B, SORLA 2, ZURAN 2
RWY 01 ARRIVALS

FROM NORTH

MAX 165 KT

FOR STARS BY ATC REFER TO CHART 10-2V

CAT A & B



UHSS/UUS
KHOMUTOVO

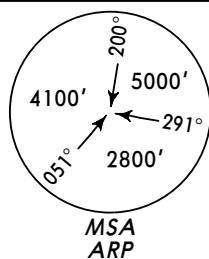
12 SEP 08

10-2V

Eff 25 Sep

STAR

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')

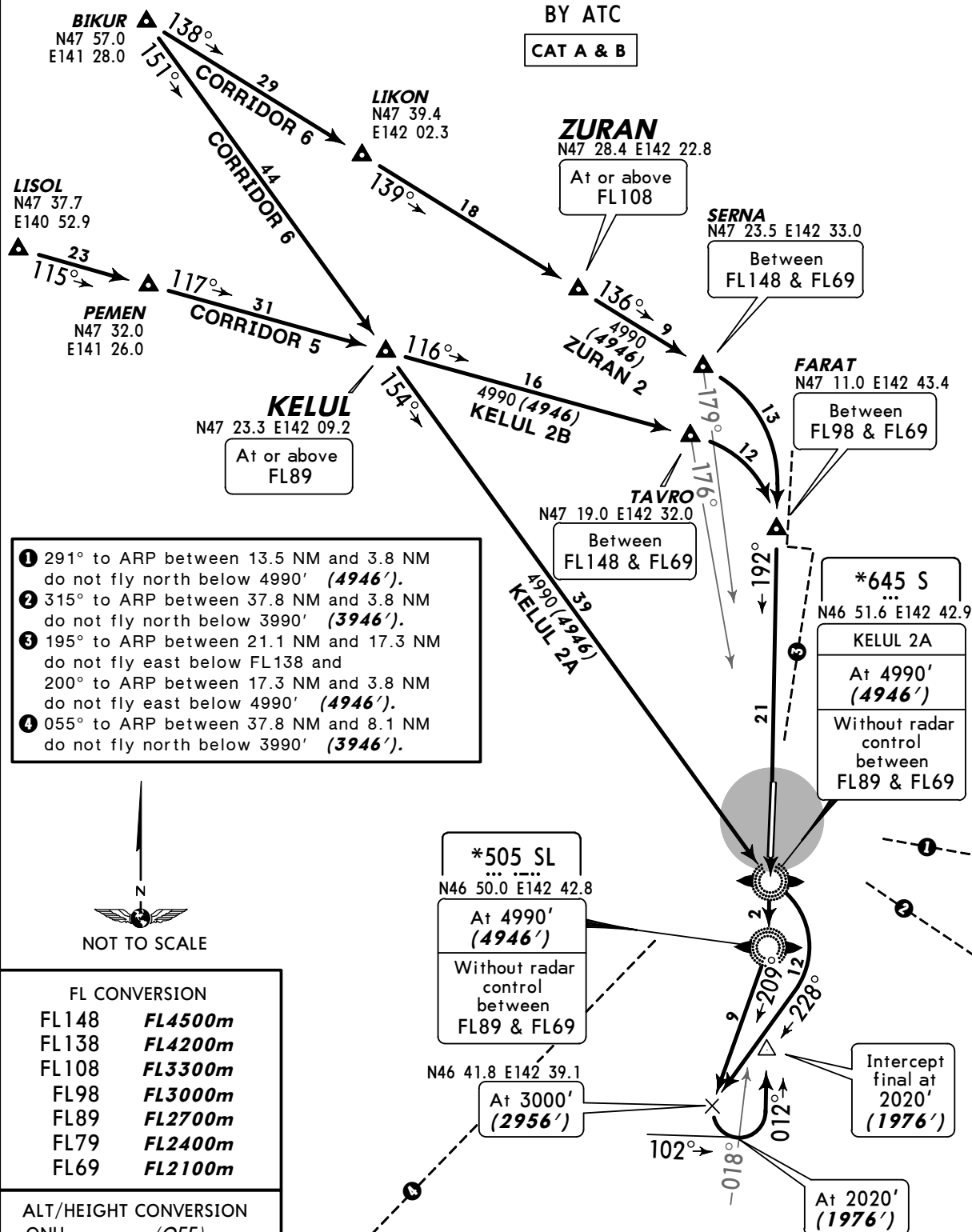
KELUL 2A, KELUL 2B, ZURAN 2
RWY 01 ARRIVALS

FROM NORTH

MAX 165 KT

BY ATC

CAT A & B



- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 4990' (4946').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3946').
- 195° to ARP between 21.1 NM and 17.3 NM do not fly east below FL138 and 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (4946').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3946').

NOT TO SCALE

FL CONVERSION

FL148	FL4500m
FL138	FL4200m
FL108	FL3300m
FL98	FL3000m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

UHSS/UUS
KHOMUTOVO

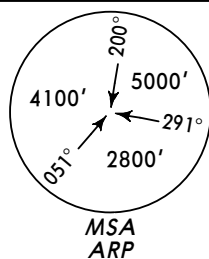
12 SEP 08

(10-2V1)

Eff 25 Sep

JEPPesen YUZHNO-SAKHALINSK, RUSSIA

STAR



Apt Elev
59'

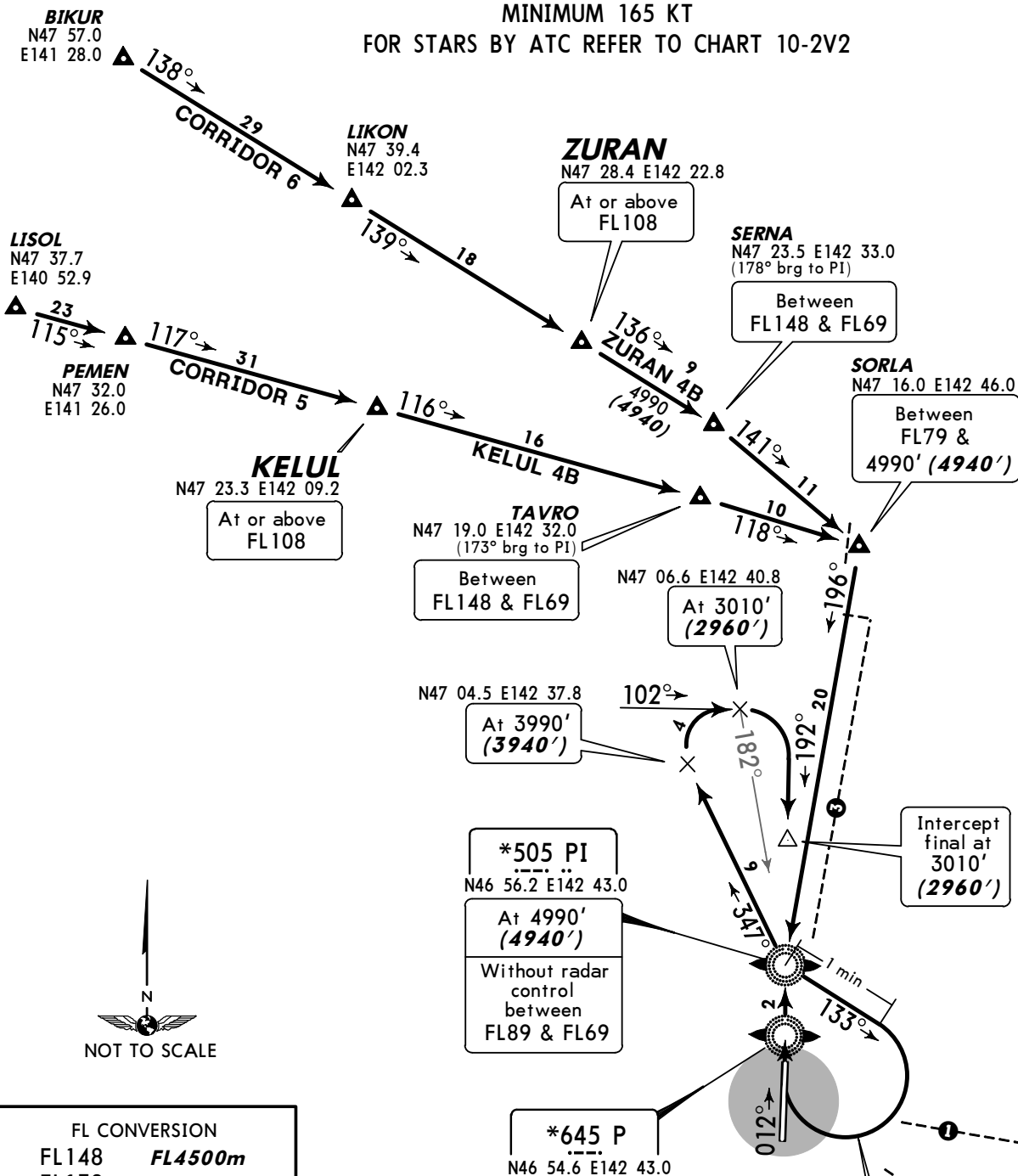
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4940')

KELUL 4B [KELU4B], ZURAN 4B [ZURA4B] RWY 19 ARRIVALS

FROM NORTH

MINIMUM 165 KT

FOR STARS BY ATC REFER TO CHART 10-2V2



FL CONVERSION

FL148	FL4500m
FL138	FL4200m
FL108	FL3300m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 4990' (4940').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3940').
- 195° to ARP between 21.1 NM and 17.3 NM do not fly east below FL138 and 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (4940').

UHSS/UUS
KHOMUTOVO

12 SEP 08

10-2V2

Eff 25 Sep

JEPPESSEN

YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

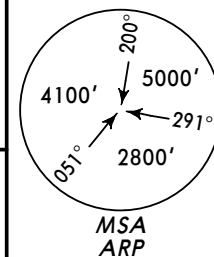
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

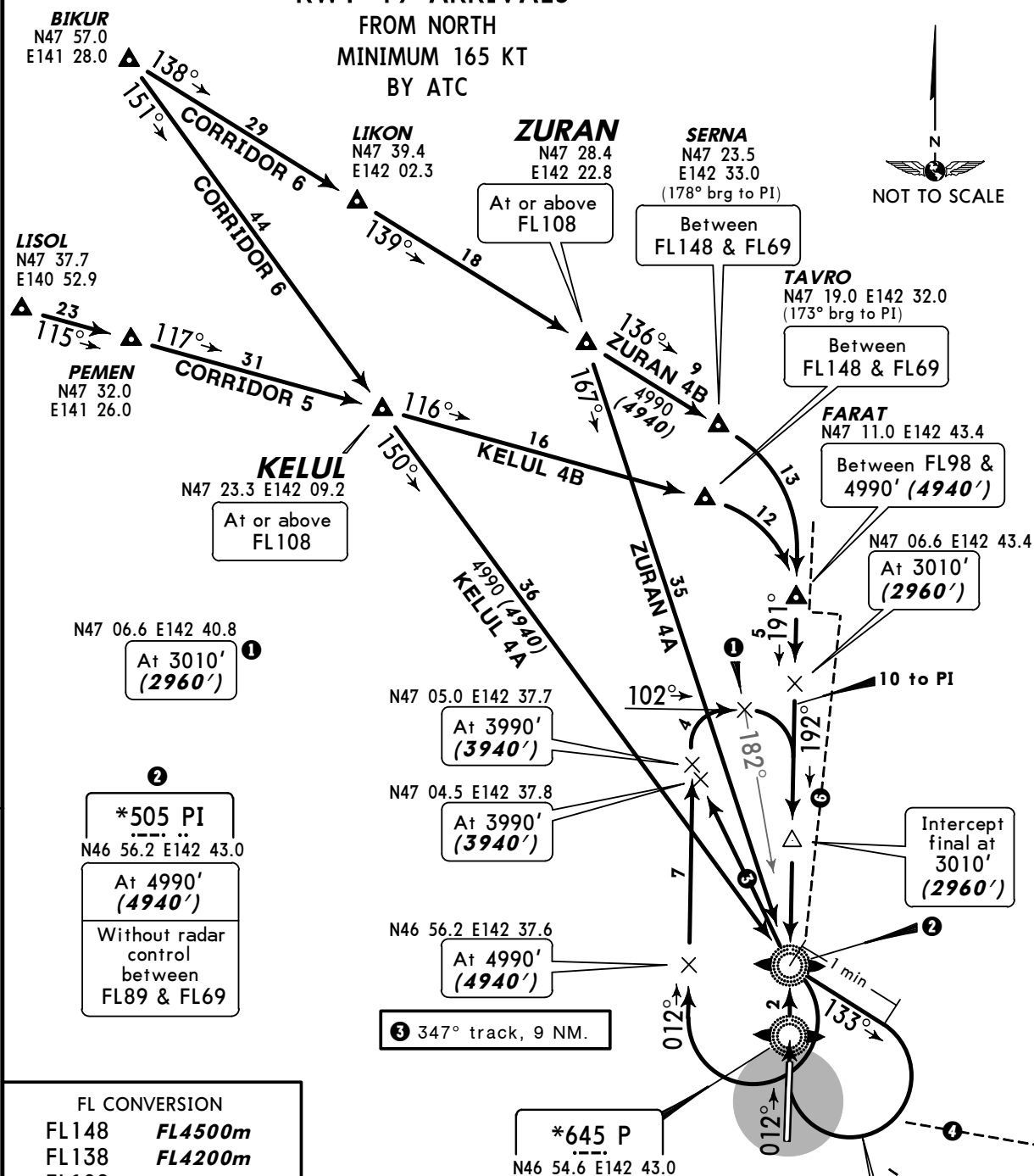
FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')



KELUL 4A [KELU4A], KELUL 4B [KELU4B] ZURAN 4A [ZURA4A], ZURAN 4B [ZURA4B] RWY 19 ARRIVALS

FROM NORTH
MINIMUM 165 KT
BY ATC



FL CONVERSION

FL148	FL4500m
FL138	FL4200m
FL108	FL3300m
FL98	FL3000m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
KHOMUTOVO

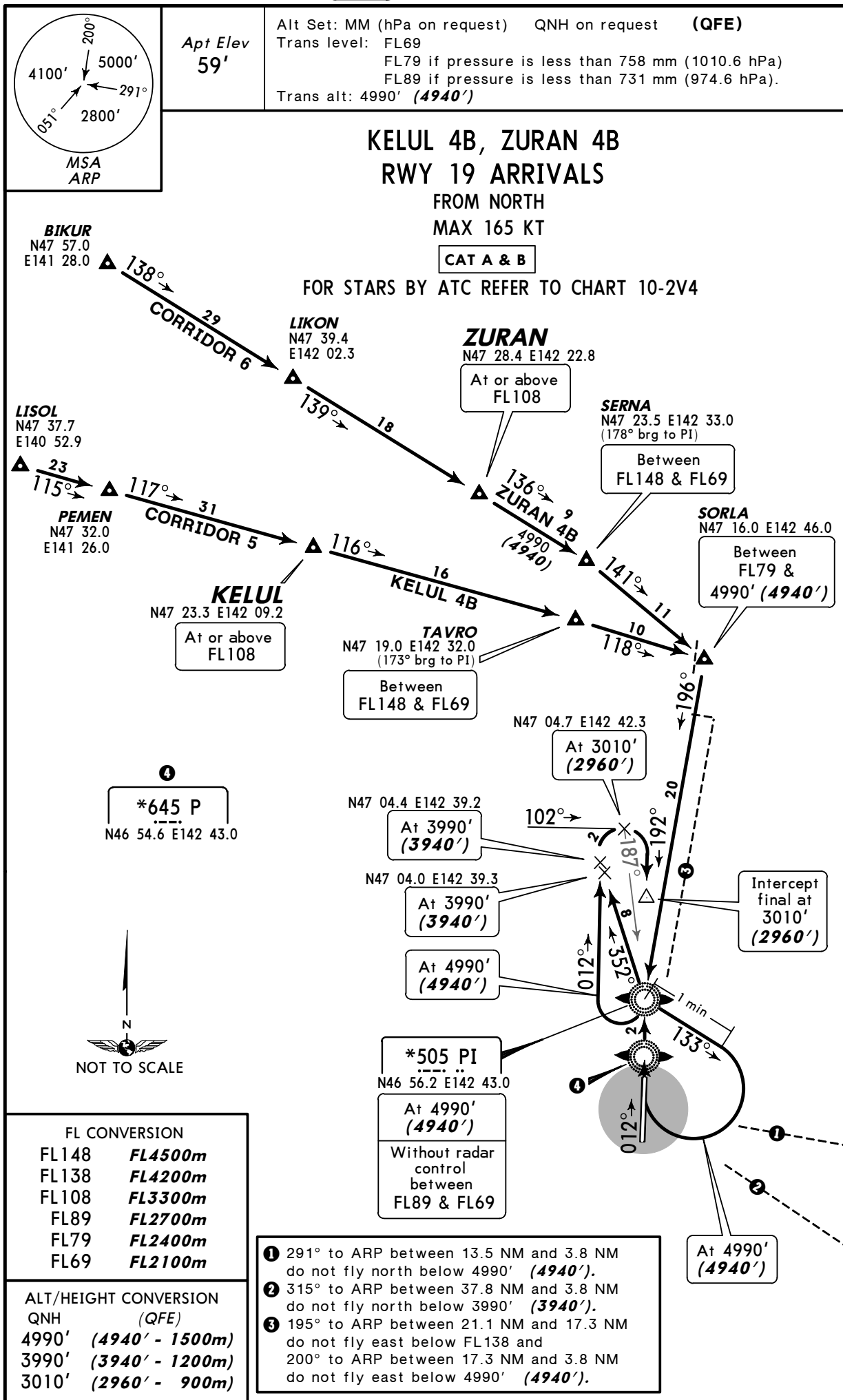
12 SEP 08

10-2V3

Eff 25 Sep

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

STAR



UHSS/UUS
KHOMUTOVO

12 SEP 08

10-2V4

Eff 25 Sep

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

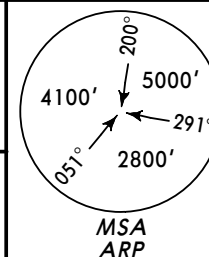
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

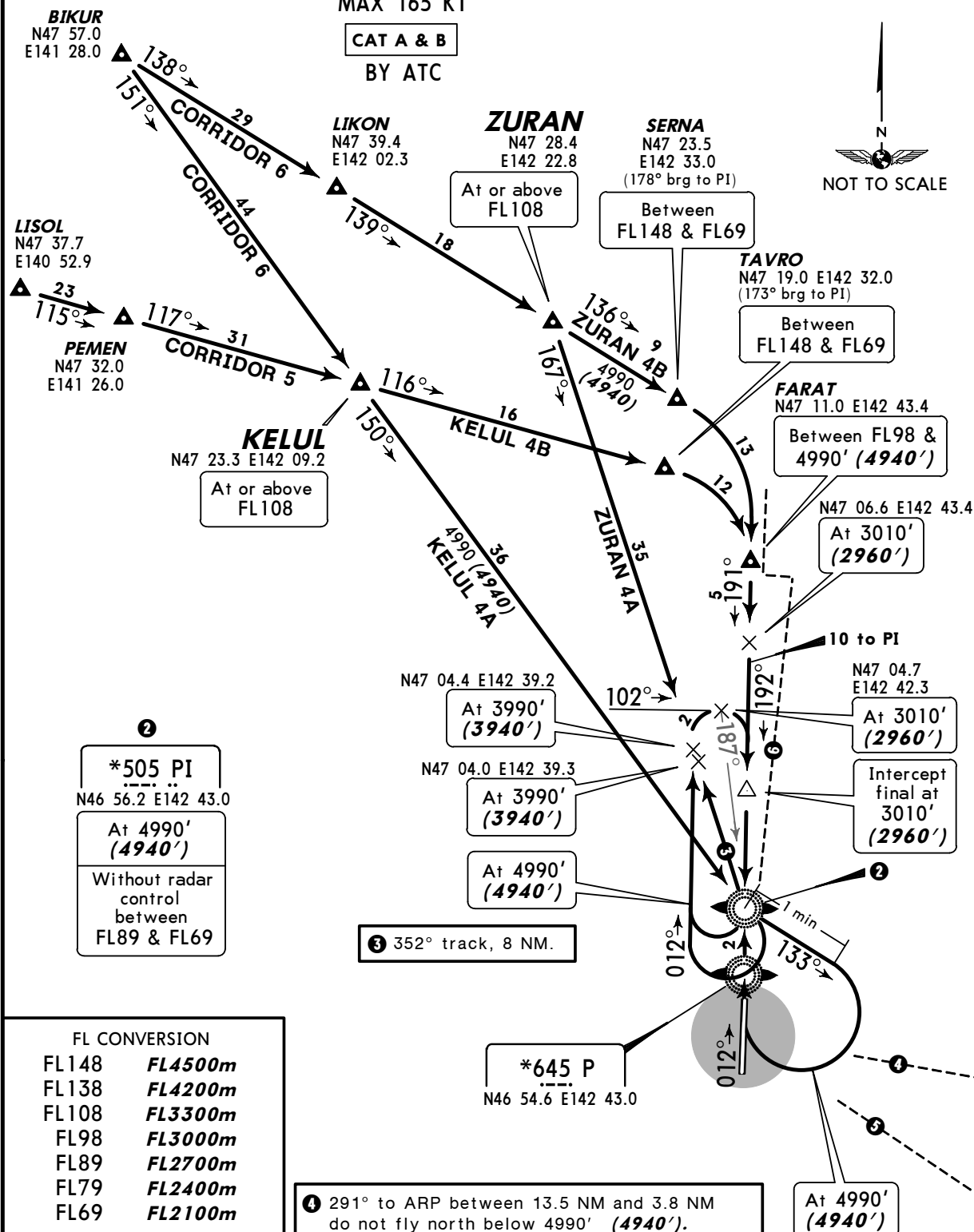
FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')

KELUL 4A, KELUL 4B, ZURAN 4A, ZURAN 4B
RWY 19 ARRIVALSFROM NORTH
MAX 165 KT

CAT A & B

BY ATC



FL CONVERSION

FL148	FL4500m
FL138	FL4200m
FL108	FL3300m
FL98	FL3000m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION
QNH (QFE)

4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
KHOMUTOVO

20 JUN 08

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

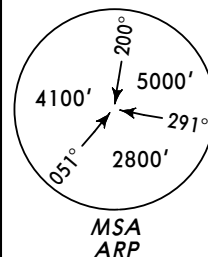
(10-2W)

Eff 3 Jul

STAR

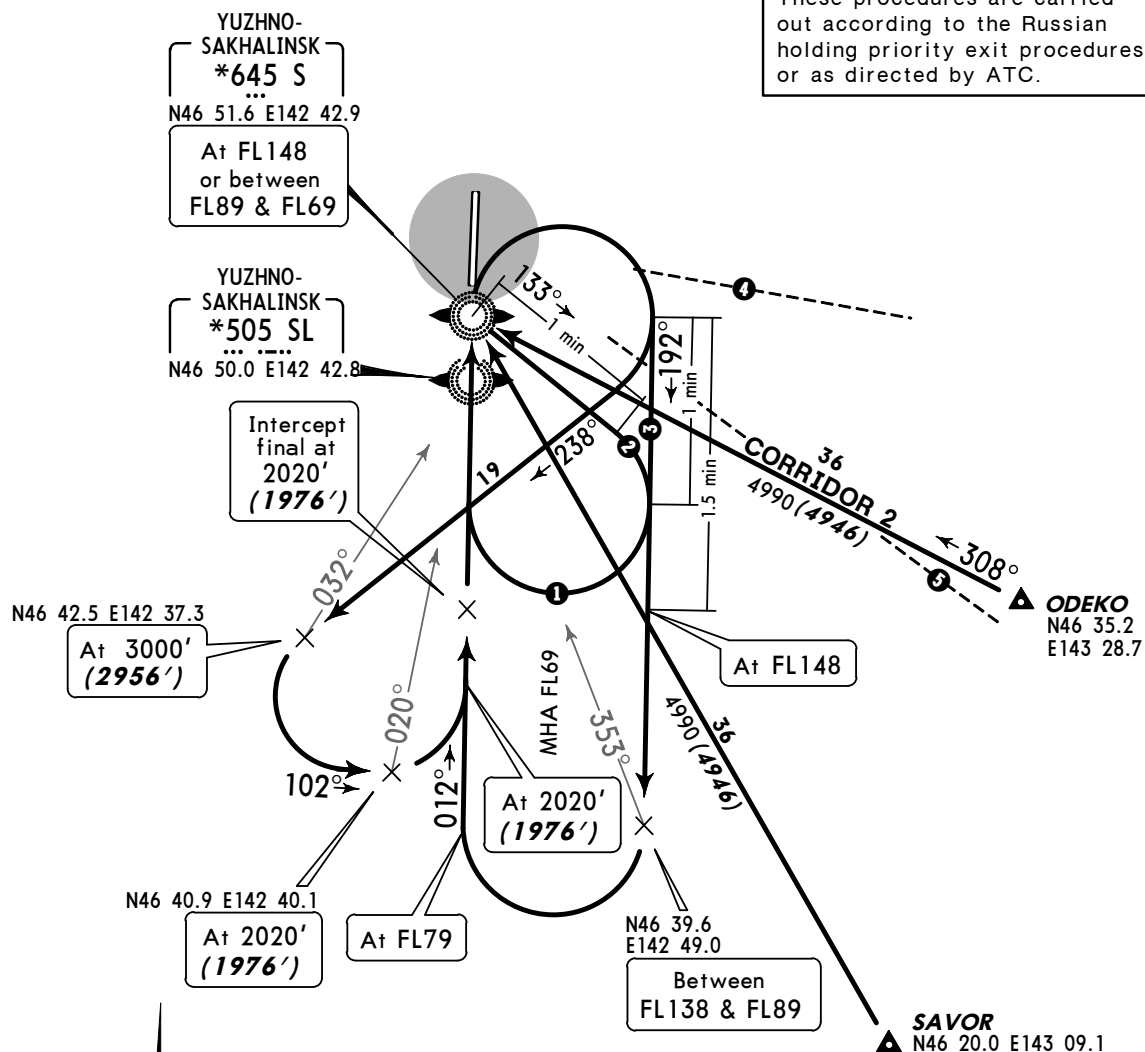
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')
Crossings at airway exit points by ATC.



RWY 01 ARRIVALS FROM SOUTHEAST BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



NOT TO SCALE

FL CONVERSION

FL148	FL4500m
FL138	FL4200m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

① RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

② 13 NM to N46 39.6 E142 49.0
18 NM to S
③ 19 NM to N46 39.6 E142 49.0
22 NM to S

④ 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 4990' (4946').
⑤ 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3946').

UHSS/UUS
KHOMUTOVO

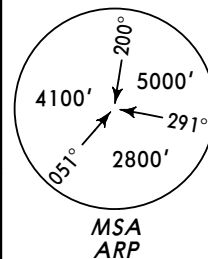
JEPPESEN
20 JUN 08 10-2X Eff 3 Jul

YUZHNO-SAKHALINSK, RUSSIA

STAR

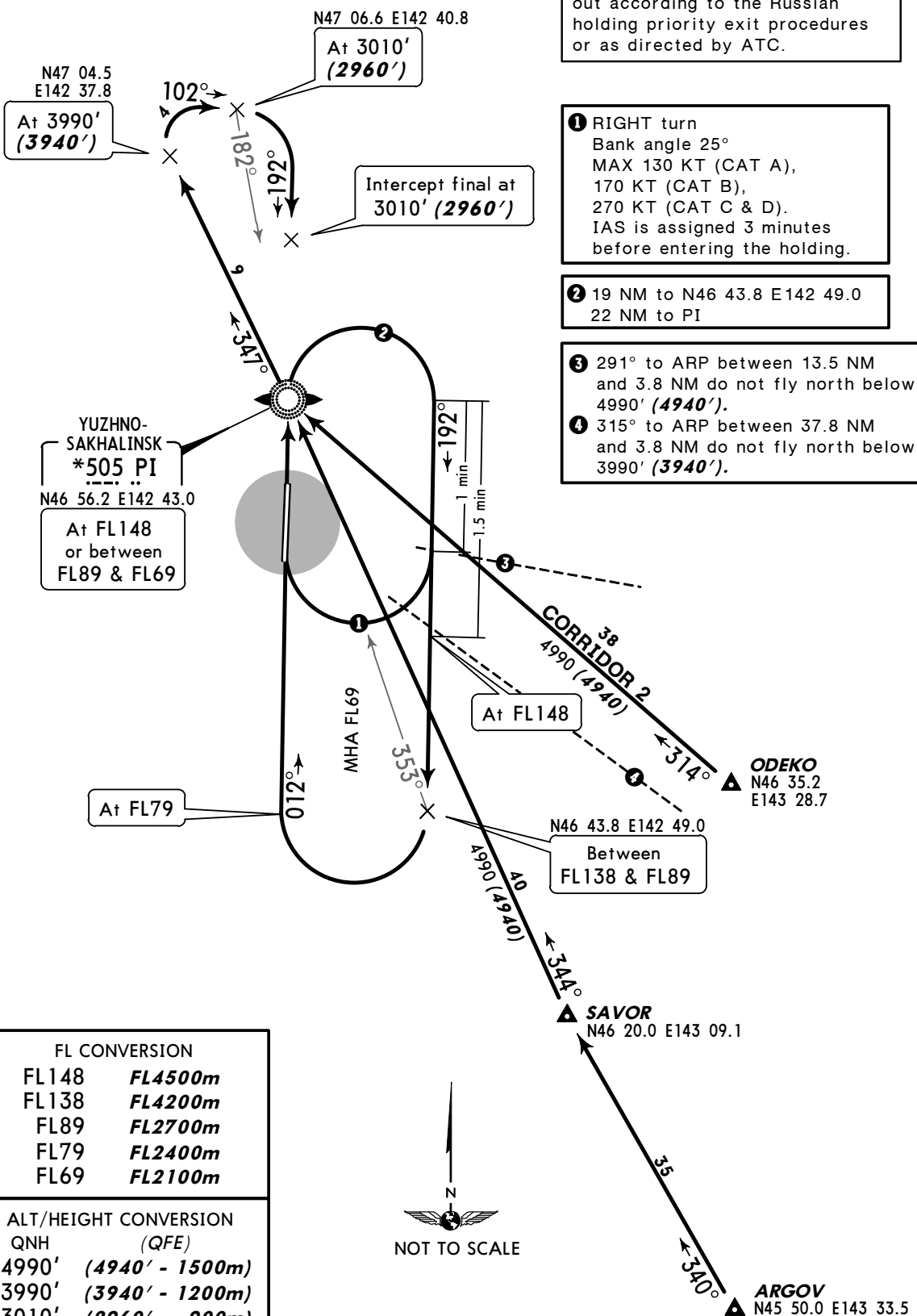
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4940')
Crossings at airway exit points by ATC.



RWY 19 ARRIVALS FROM SOUTHEAST BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



UHSS/UUS
KHOMUTOVO

10 OCT 08

(10-2X1)

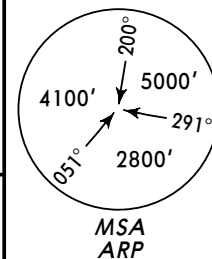
Eff 23 Oct

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

STAR

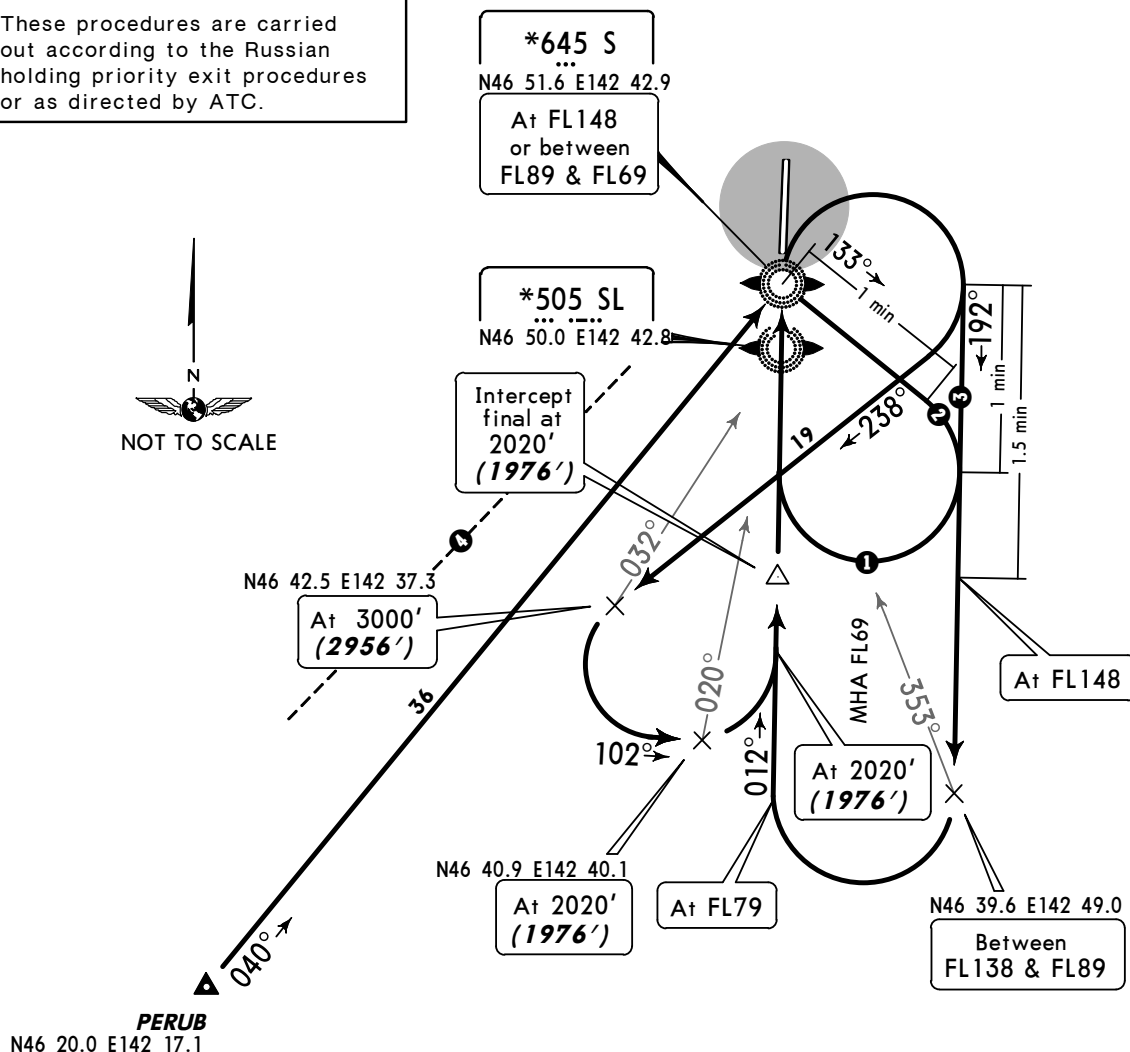
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')
Crossings at airway exit points by ATC.



RWY 01 ARRIVAL FROM SOUTHWEST BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



- 1 RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

- 2 13 NM to N46 39.6 E142 49.0
- 3 19 NM to N46 39.6 E142 49.0

- 4 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3946').

FL CONVERSION	
FL148	FL4500m
FL138	FL4200m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4946' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

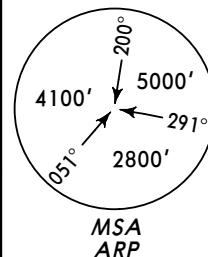
UHSS/UUS
 KHOMUTOVO

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA
 10 OCT 08 (10-2X2) Eff 23 Oct

STAR

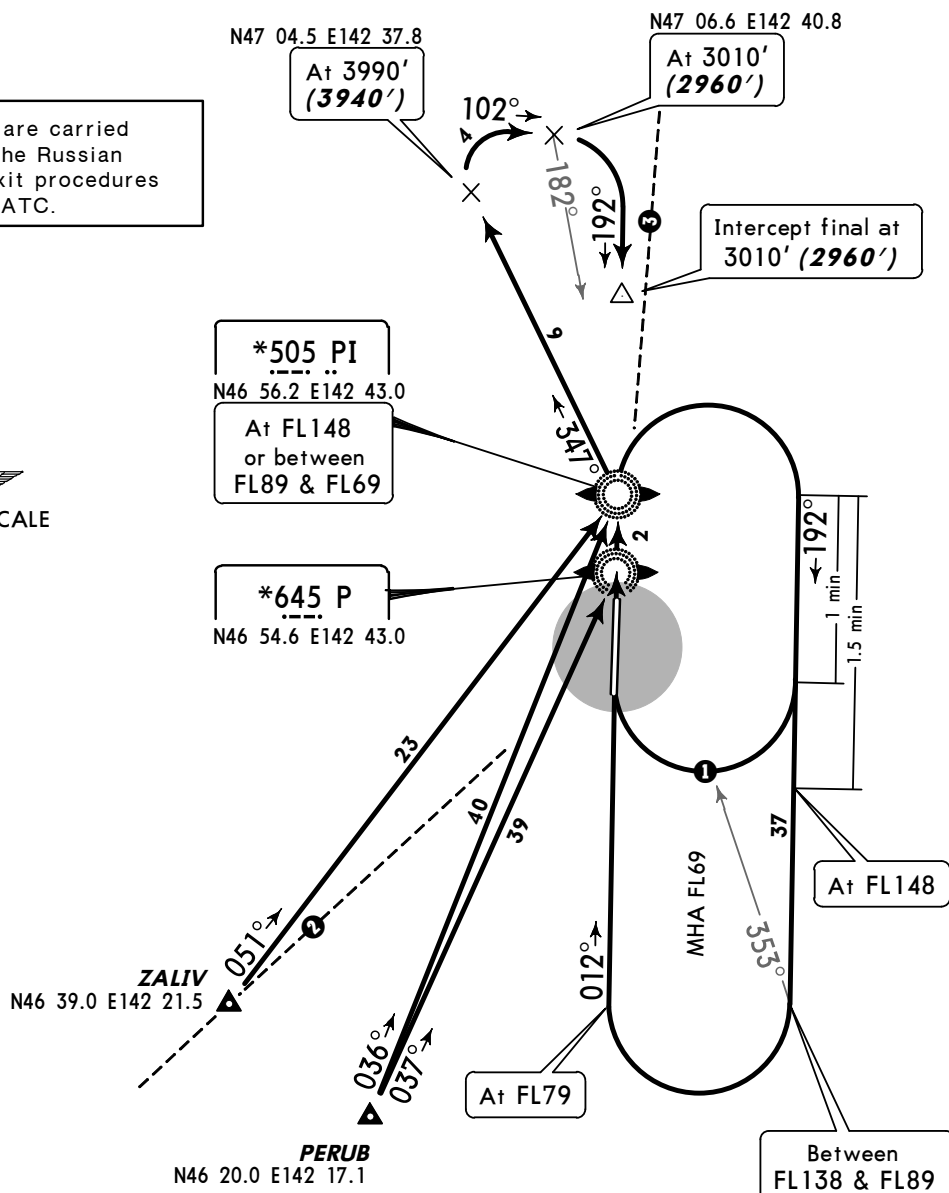
Apt Elev
 59'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL69
 FL79 if pressure is less than 758 mm (1010.6 hPa)
 FL89 if pressure is less than 731 mm (974.6 hPa).
 Trans alt: 4990' (4940')
 Crossings at airway exit points by ATC.



RWY 19 ARRIVALS FROM SOUTHWEST BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



- 1 RIGHT turn
 Bank angle 25°
 MAX 130 KT (CAT A),
 170 KT (CAT B),
 270 KT (CAT C & D).
 IAS is assigned 3 minutes
 before entering the holding.

- 2 055° to ARP between 37.8 NM
 and 8.1 NM do not fly north
 below 3990' (3940').
- 3 200° to ARP between 17.3 NM
 and 3.8 NM do not fly east
 below 4990' (4940').

FL CONVERSION	
FL148	FL4500m
FL138	FL4200m
FL89	FL2700m
FL79	FL2400m
FL69	FL2100m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
KHOMUTOVO

12 SEP 08

10-2X3

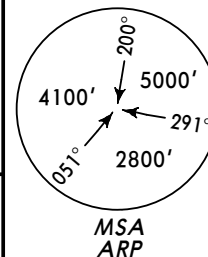
Eff 25 Sep

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

STAR

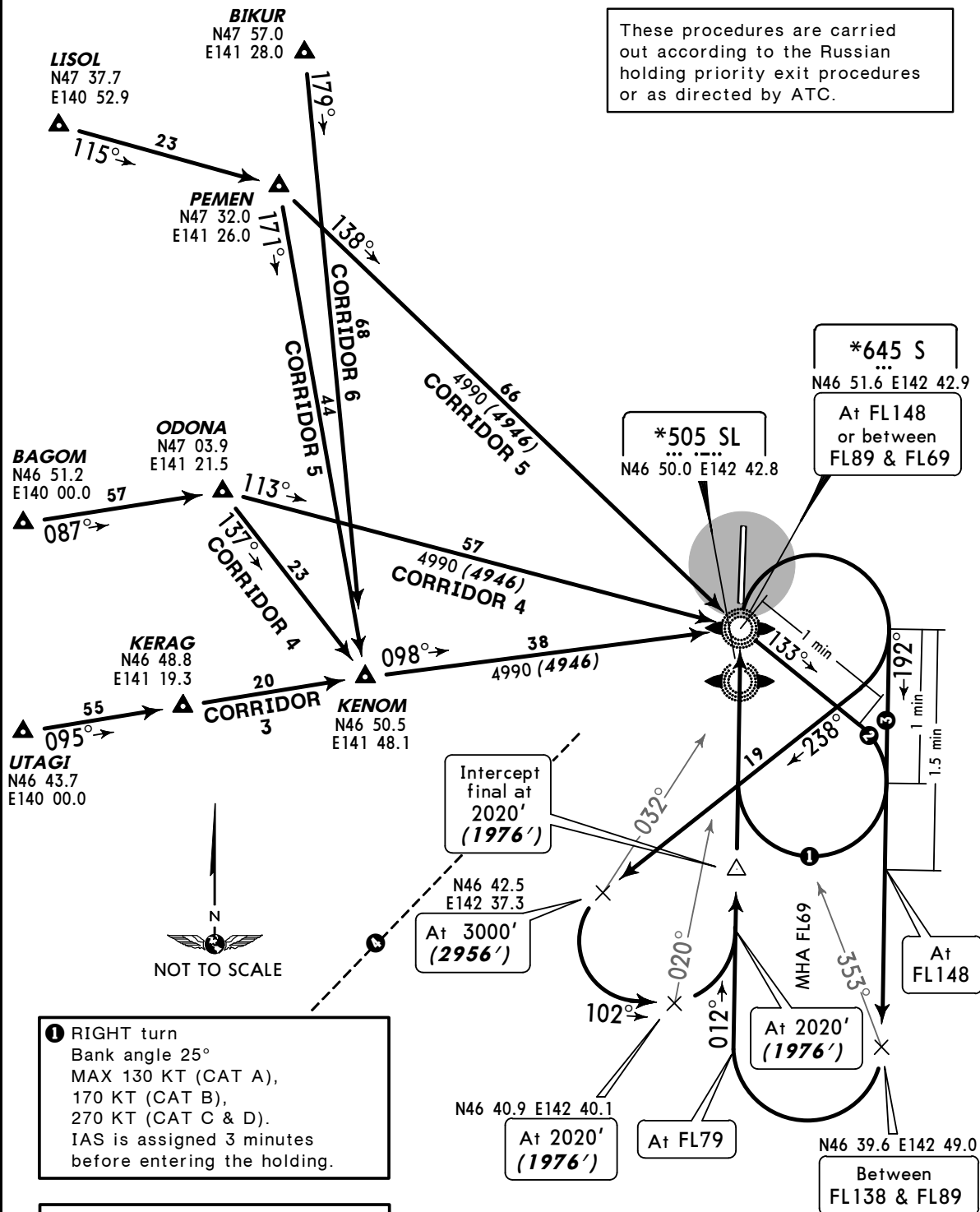
Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL69
FL79 if pressure is less than 758 mm (1010.6 hPa)
FL89 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 4990' (4946')
Crossings at airway exit points by ATC.



RWY 01 ARRIVALS FROM WEST BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



1 RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

2 13 NM to N46 39.6 E142 49.0
3 19 NM to N46 39.6 E142 49.0

4 055° to ARP between 37.8 NM
and 8.1 NM do not fly north
below 3990' (3946').

FL CONVERSION		ALT/HEIGHT CONVERSION	
FL148	FL4500m	QNH	(QFE)
FL138	FL4200m	4990'	(4946' - 1500m)
FL89	FL2700m	3990'	(3946' - 1200m)
FL79	FL2400m	3000'	(2956' - 900m)
FL69	FL2100m	2020'	(1976' - 600m)

UHSS/UUS
KHOMUTOVO

12 SEP 08

8 (10-2X4)

Eff 25 Sep**JEPPESEN**

YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

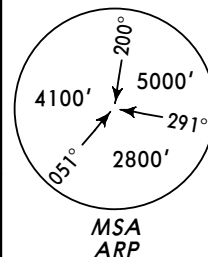
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (**4940'**)

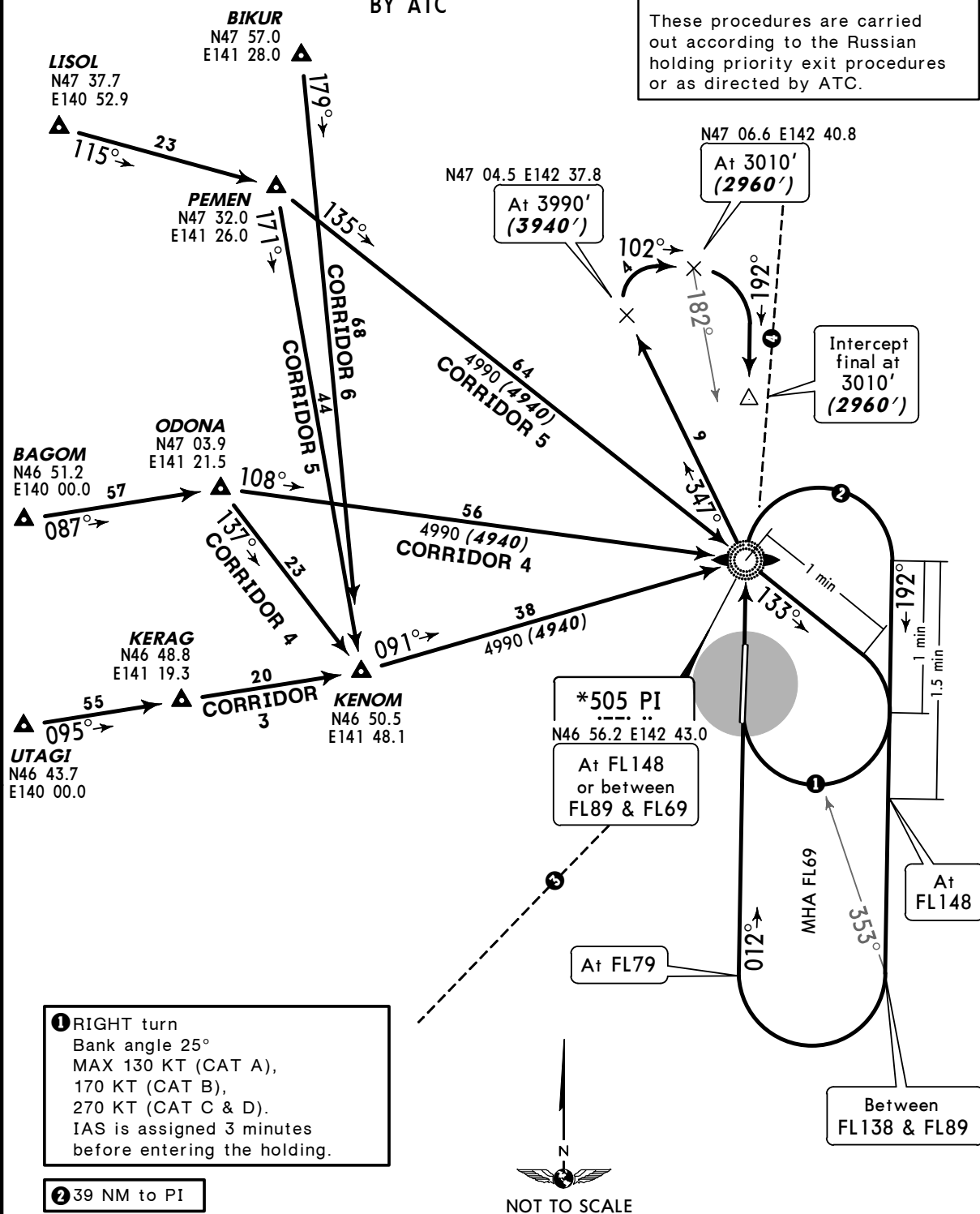
Crossings at airway exit points by ATC.



RWY 19 ARRIVALS

FROM WEST
BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



1 RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

② 39 NM to PI

③ 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (**3940'**).

④ 200° to ARP between 17.3 NM and 3.8 NM do not fly east below 4990' (**4940'**).

FL CONVERSION

FL148	<i>FL4500m</i>
FL138	<i>FL4200m</i>
FL89	<i>FL2700m</i>
FL79	<i>FL2400m</i>
FL69	<i>FL2100m</i>

ALT/HEIGHT CONVERSION

QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

UHSS/UUS
KHOMUTOVO

12 SEP 08

8 10-2X5

Eff 25 Sep

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

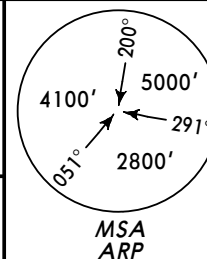
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

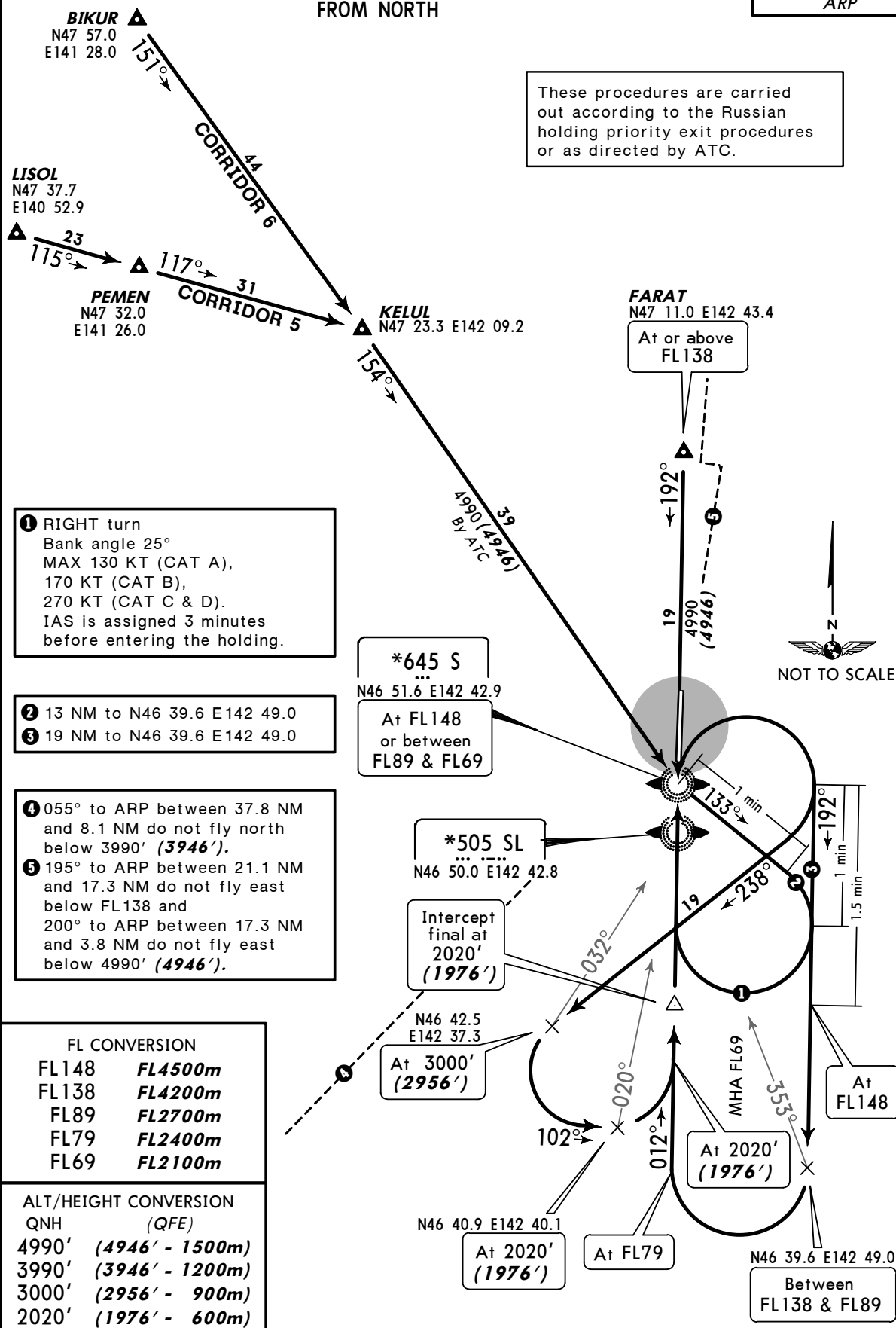
Trans alt: 4990' (**4946'**)

Crossings at airway exit points by ATC.



RWY 01 ARRIVALS FROM NORTH

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



UHSS/UUS
KHOMUTOVO

12 SEP 08

12 SEP 08 (10-2X6)

Eff 25 Sep

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

STAR

Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request **(QFE)**

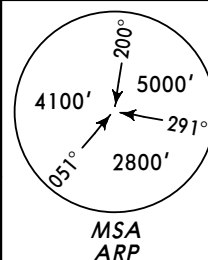
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

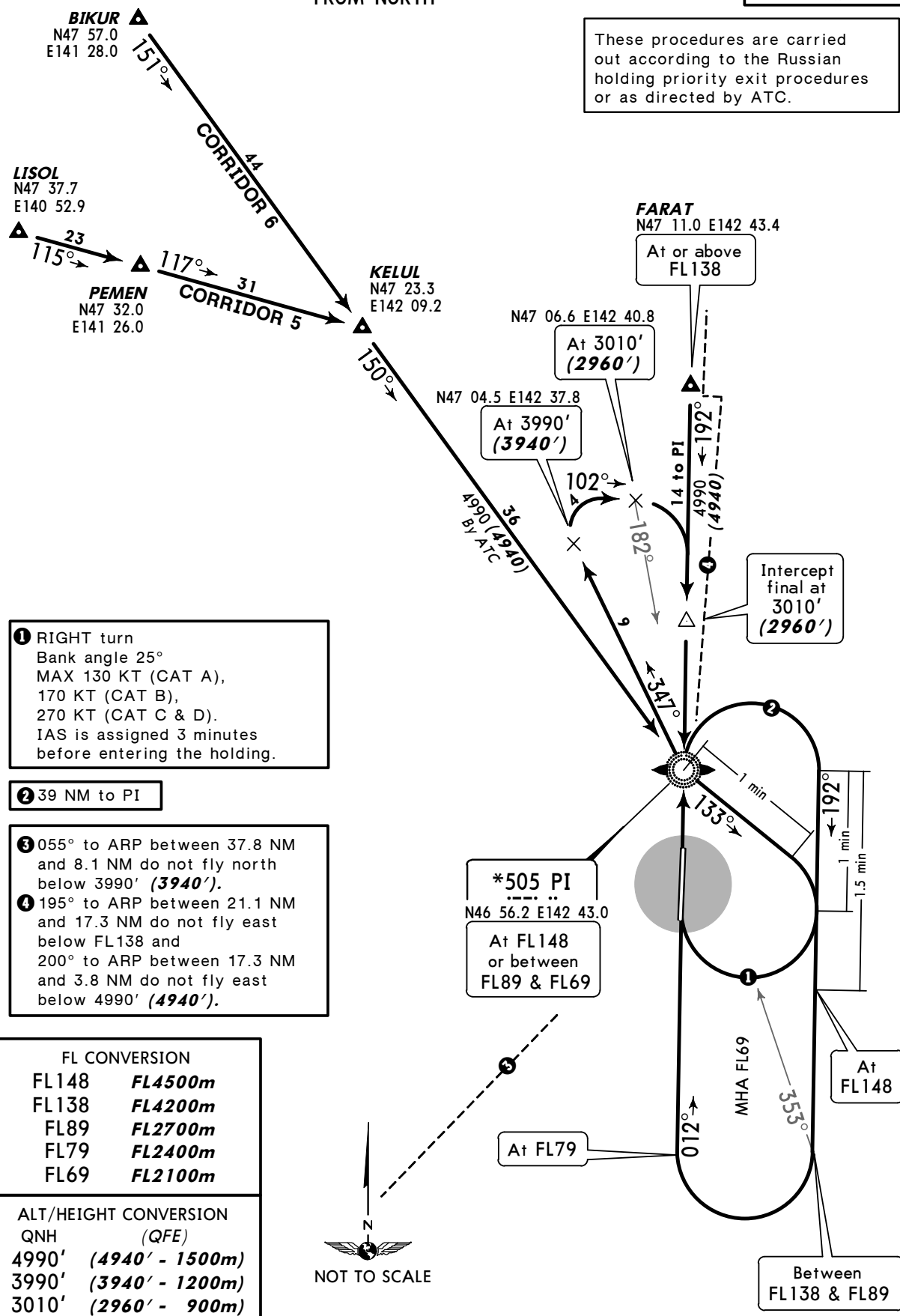
Trans alt: 4990' (**4940'**)

Crossings at airway exit points by ATC.



RWY 19 ARRIVALS FROM NORTH

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



UHSS/UUS
KHOMUTOVO

10 OCT 08

10-3

Eff 23 Oct

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

SID

Apt Elev
59'

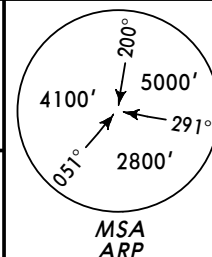
QNH on request (QFE)

Trans level: FL69

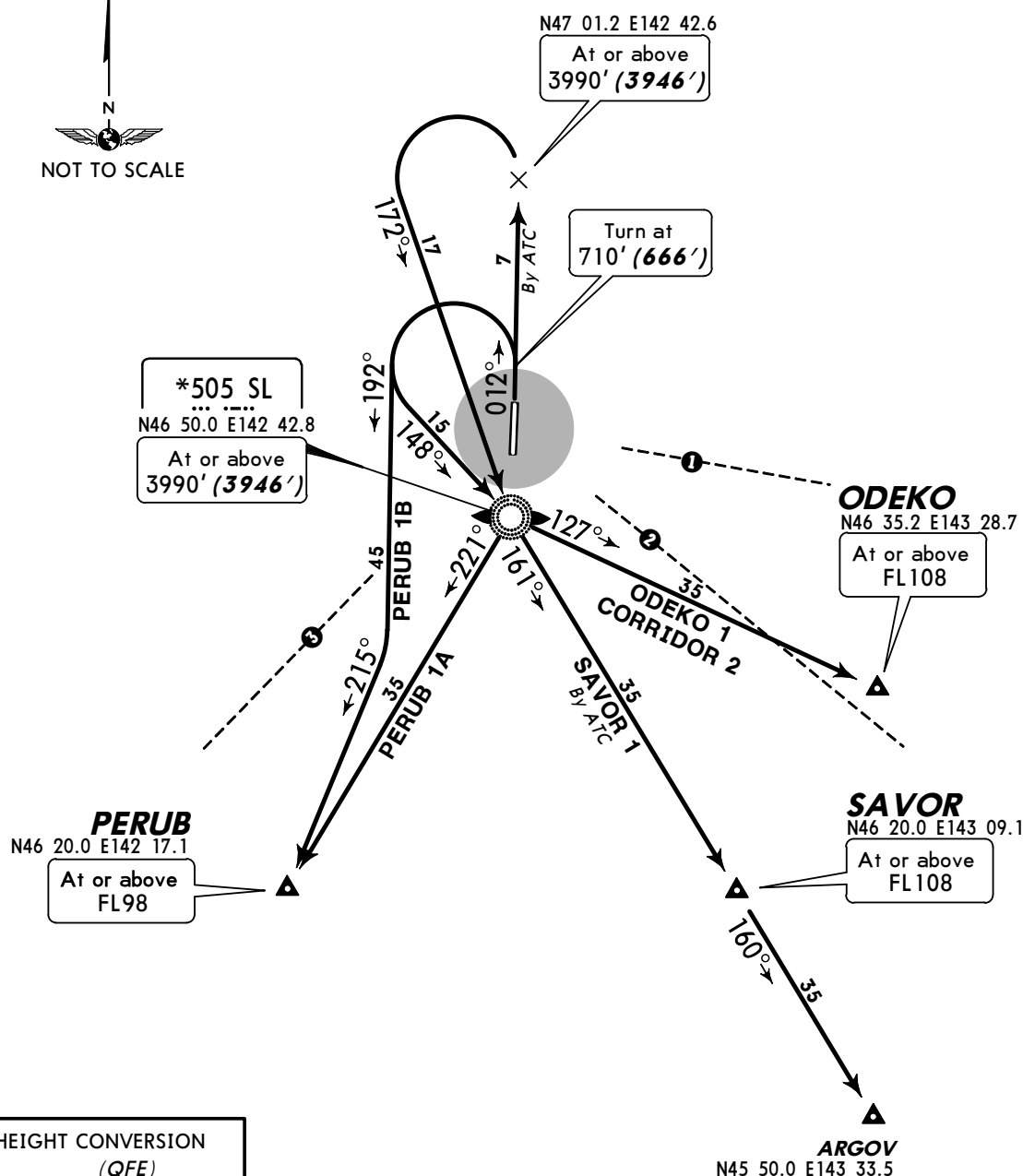
FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')



ODEKO 1
PERUB 1A [PERU1A], PERUB 1B [PERU1B]
SAVOR 1
RWY 01 DEPARTURES
TO SOUTH



ALT/HEIGHT CONVERSION

QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
4990'	(4946' - 1500m)

FL CONVERSION

FL69	FL2100m
FL79	FL2400m
FL89	FL2700m
FL98	FL3000m
FL108	FL3300m

- 111° from ARP between 3.8 NM and 13.5 NM do not fly north below 4990' (4946').
- 135° from ARP between 3.8 NM and 37.8 NM do not fly north below 3990' (3946').
- 235° from ARP between 8.1 NM and 37.8 NM do not fly north below 3990' (3946').

UHSS/UUS
KHOMUTOVO

10 OCT 08

(10-3A)

Eff 23 Oct

JEPPESEN

YUZHNO-SAKHALINSK, RUSSIA

SID

Apt Elev
59'

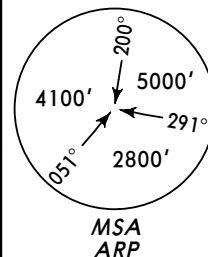
QNH on request (QFE)

Trans level: FL69

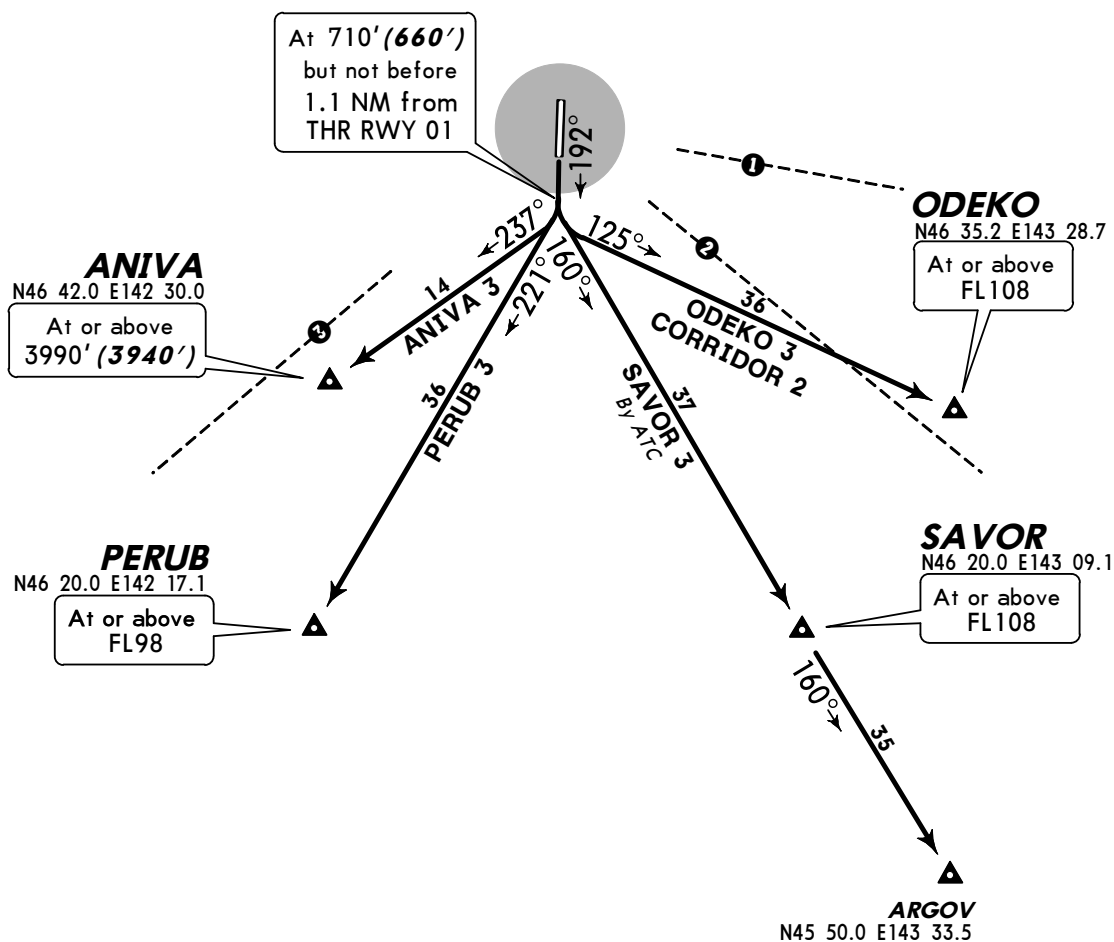
FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')



ANIVA 3, ODEKO 3, PERUB 3, SAVOR 3
RWY 19 DEPARTURES
TO SOUTH



ALT/HEIGHT CONVERSION

QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
4990'	(4940' - 1500m)

FL CONVERSION

FL69	FL2100m
FL79	FL2400m
FL89	FL2700m
FL98	FL3000m
FL108	FL3300m

- 111° from ARP between 3.8 NM and 13.5 NM
do not fly north below 4990' (4940').
- 135° from ARP between 3.8 NM and 37.8 NM
do not fly north below 3990' (3940').
- 235° from ARP between 8.1 NM and 37.8 NM
do not fly north below 3990' (3940').

UHSS/UUS
KHOMUTOVO

12 SEP 08

10-3B

Eff 25 Sep

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

SID

Apt Elev
59'

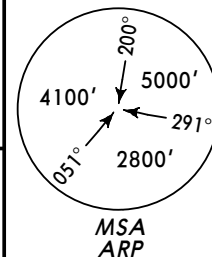
QNH on request (QFE)

Trans level: FL69

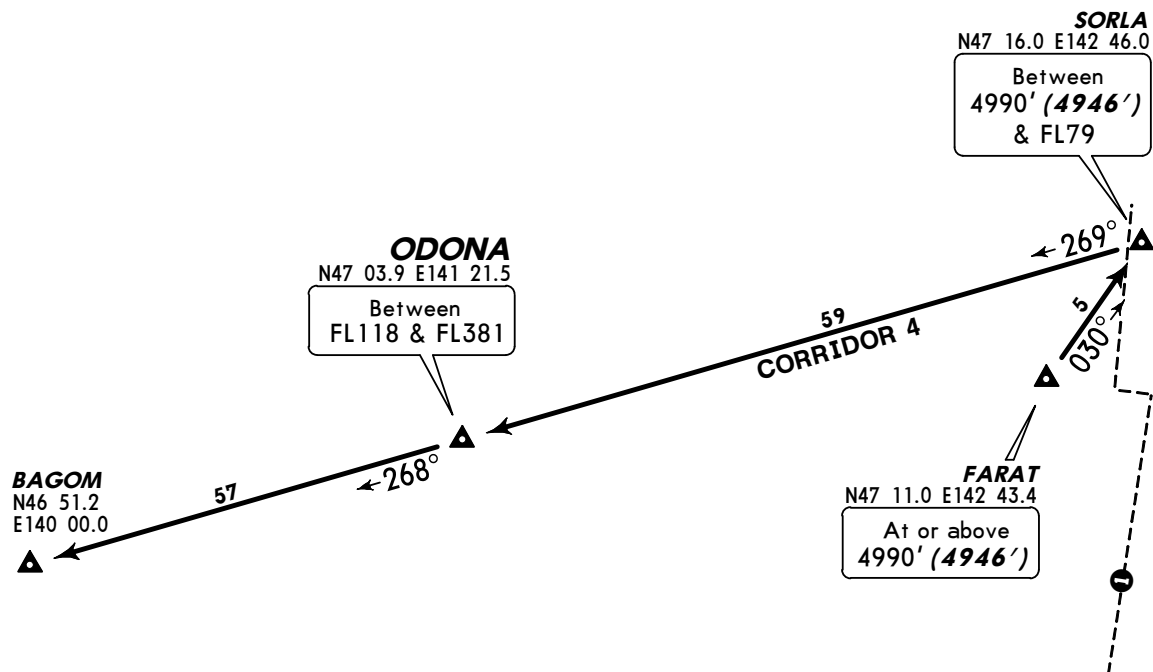
FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')



ODONA 1A [ODO1A]
RWY 01 DEPARTURE
TO WEST
FOR SIDS BY ATC REFER TO CHART 10-3C



① 020° from ARP between 3.8 NM and 17.3 NM
do not fly east below 4990' (4946') and
015° from ARP between 17.3 NM and 21.1 NM
do not fly east below FL138.

ALT/HEIGHT CONVERSION
QNH (QFE)
4990' (4946' - 1500m)

FL CONVERSION

FL69	FL2100m
FL79	FL2400m
FL89	FL2700m
FL118	FL3600m
FL138	FL4200m
FL381	FL11600m



UHSS/UUS
KHOMUTOVO

12 SEP 08

10-3C

Eff 25 Sep

SID

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
59'

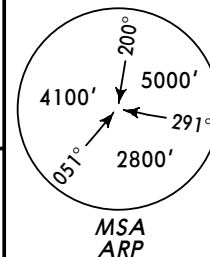
QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

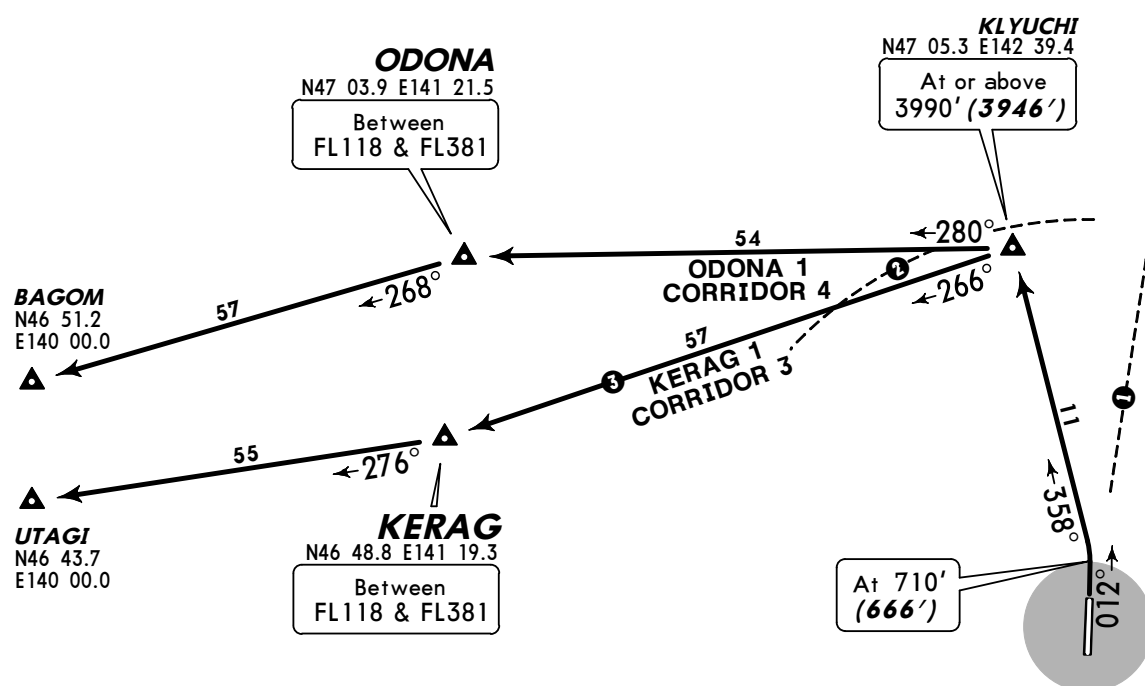
FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')



KERAG 1, ODONA 1
RWY 01 DEPARTURES
TO WEST
BY ATC

- ① 020° from ARP between 3.8 NM and 17.3 NM do not fly east below 4990' (4946').
- ② Beyond 13.5 NM from ARP do not fly below 3990' (3946').



- ③ Route is available when military training area is not activated.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
4990'	(4946' - 1500m)

FL CONVERSION	
FL69	FL2100m
FL79	FL2400m
FL89	FL2700m
FL118	FL3600m
FL381	FL11600m



UHSS/UUS
 KHOMUTOVO

12 SEP 08

10-3D

Eff 25 Sep

SID

JEPPESSEN

YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
 59'

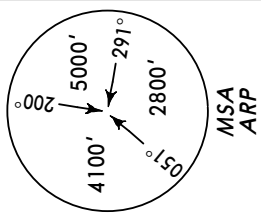
QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')



ODONA 3C [ODO3C]
 RWY 19 DEPARTURE
 TO WEST
 FOR SIDS BY ATC REFER TO CHART 10-3E

SORLA
 N47 16.0 E142 46.0
 Between
 4990' (4940')
 & FL79

269°

FARAT
 N47 11.0 E142 43.4
 At to above
 4990' (4940')

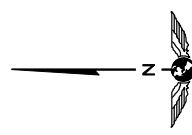
59

ODONA
 N47 03.9 E141 21.5
 Between
 FL118 & FL381

268°

57

BAGOM
 N46 51.2 E140 00.0



NOT TO SCALE

1 020° from ARP between 3.8 NM and 17.3 NM
 do not fly east below 4990' (4940') and
 015° from ARP between 17.3 NM and 21.1 NM
 do not fly east below FL138.

ALT/HEIGHT CONVERSION
 QNH (QFE)
 4990' (4940' - 1500m)

FL CONVERSION

FL69 FL2100m
 FL79 FL2400m
 FL89 FL2700m
 FL118 FL3600m
 FL138 FL4200m
 FL381 FL11600m

UHSS/UUS
 KHOMUTOVO

12 SEP 08

10-3E

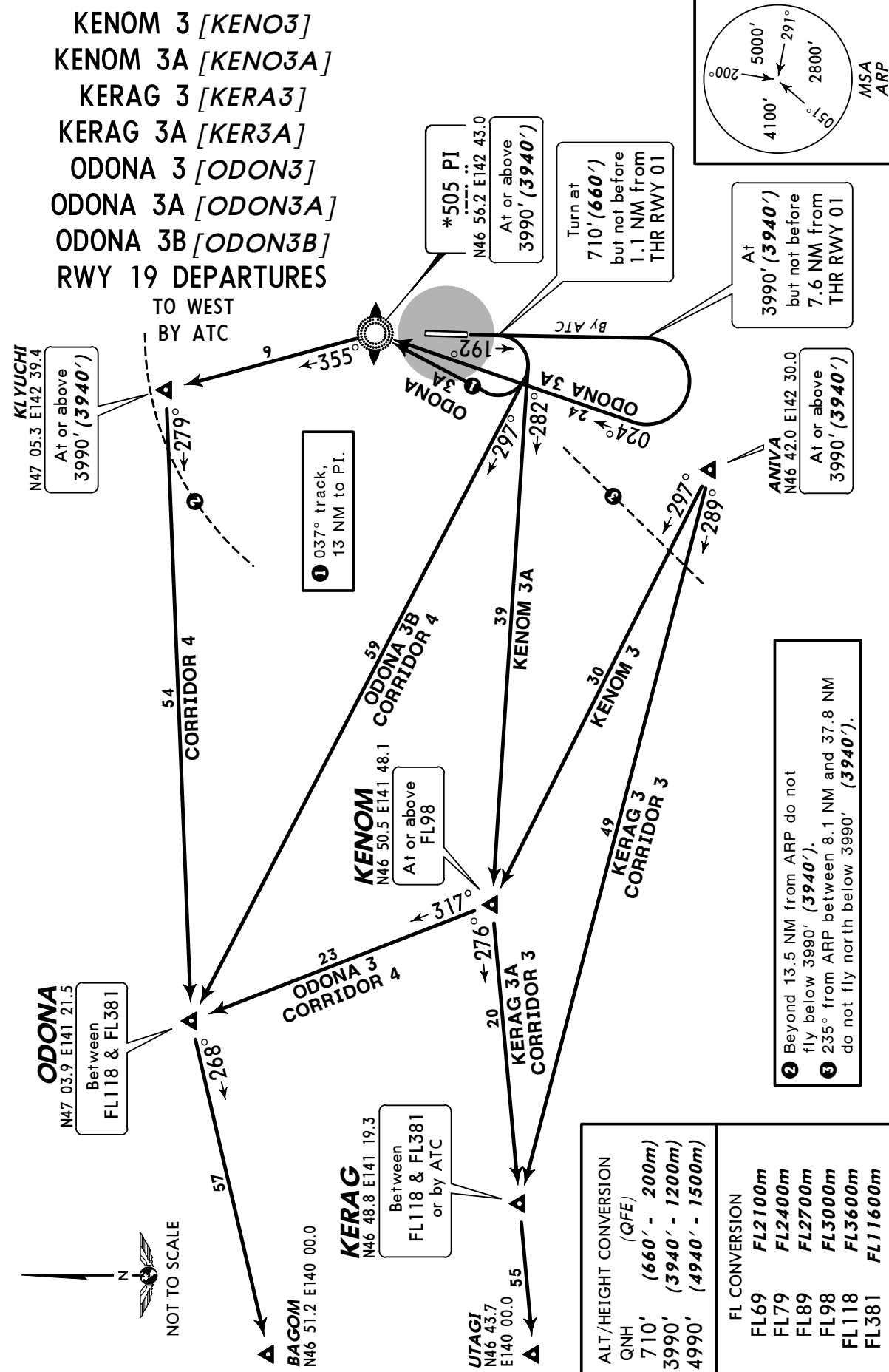
Eff 25 Sep

YUZHNO-SAKHALINSK, RUSSIA

SID

Apt Elev
 59'

QNH on request (QFE)
 Trans level: FL69
 FL79 if pressure is less than 758 mm (1010.6 hPa)
 FL89 if pressure is less than 731 mm (974.6 hPa).
 Trans alt: 4990' (4940')



UHSS/UUS
KHOMUTOVO

12 SEP 08

10-3F

Eff 25 Sep

SID

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
59'

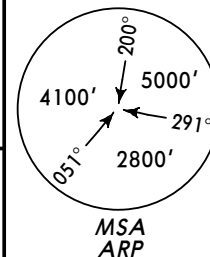
QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')

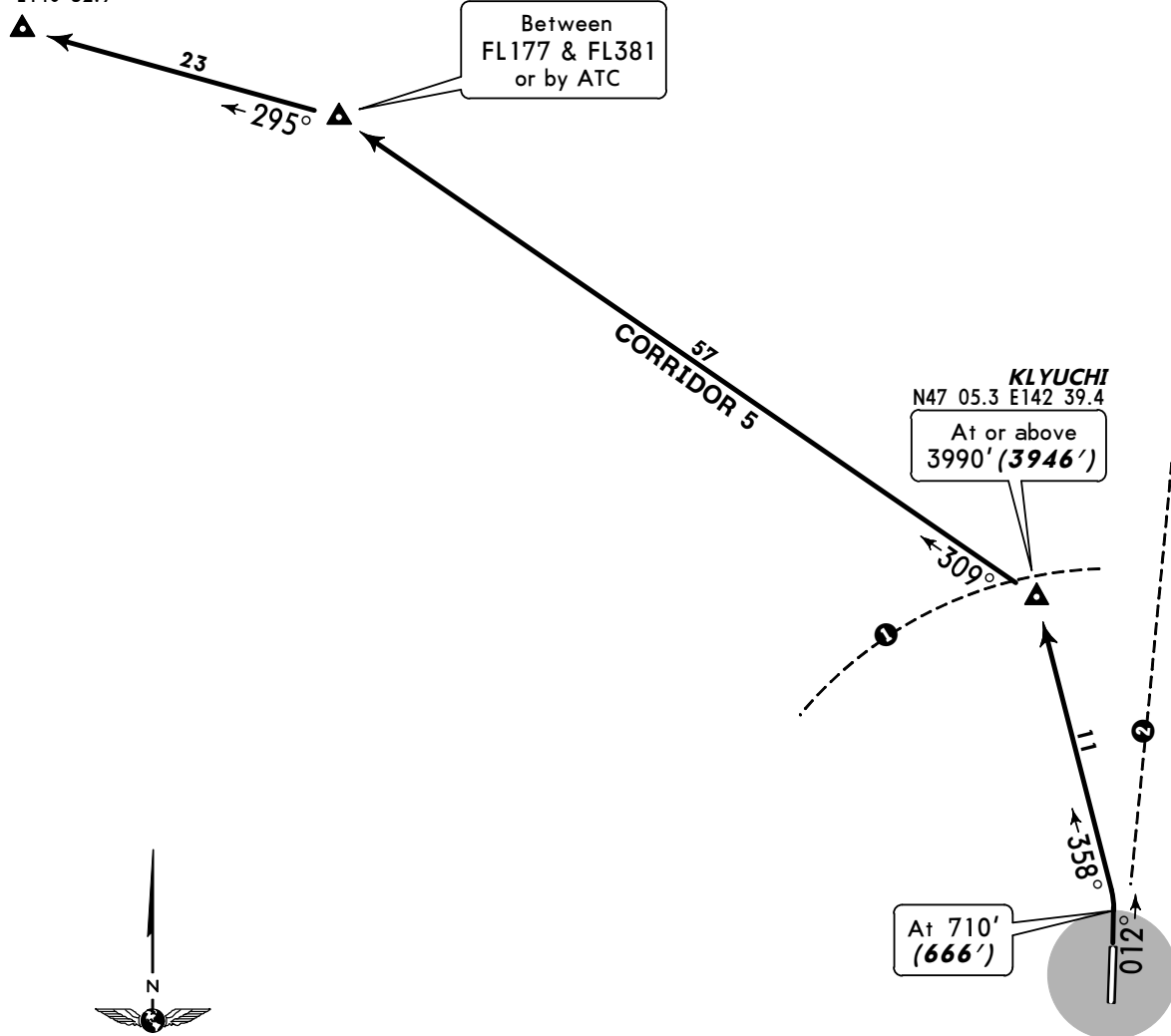


PEMEN 1
RWY 01 DEPARTURE
TO NORTHWEST
BY ATC

LISOL
N47 37.7
E140 52.9

PEMEN
N47 32.0 E141 26.0

Between
FL177 & FL381
or by ATC



NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH (QFE)

710' (666' - 200m)

3990' (3946' - 1200m)

4990' (4946' - 1500m)

FL CONVERSION

FL69 FL2100m

FL79 FL2400m

FL89 FL2700m

FL177 FL5400m

FL381 FL11600m

- ① Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- ② 020° from ARP between 3.8 NM and 17.3 NM do not fly east below 4990' (4946').

UHSS/UUS
KHOMUTOVO

12 SEP 08

10-3G

Eff 25 Sep

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

SID

Apt Elev
59'

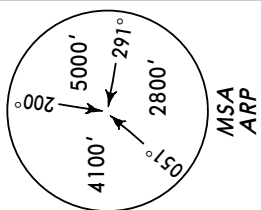
QNH on request (QFE)

Trans level: FL69

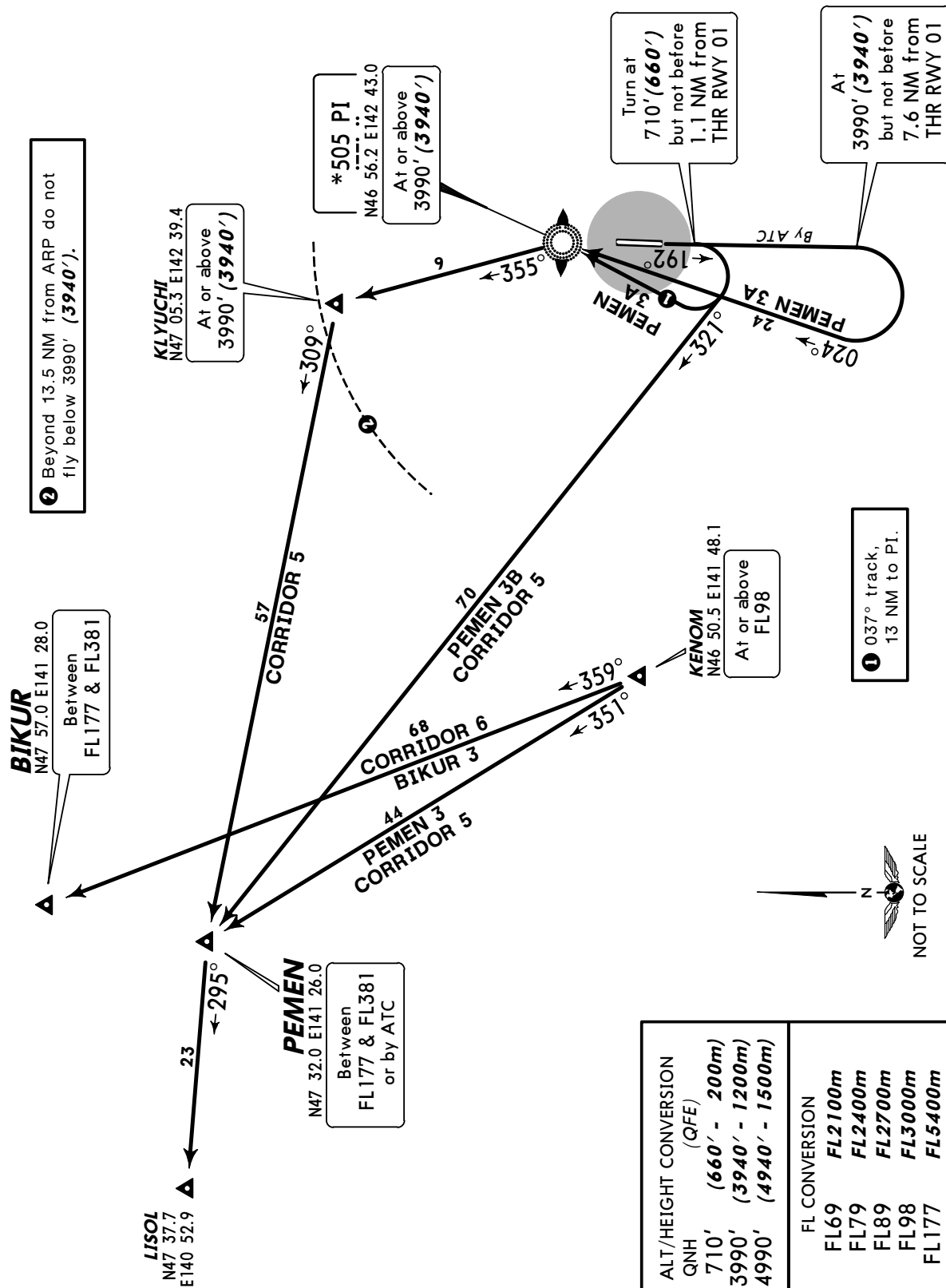
FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')



BIKUR 3 [BIKU3]
PEMEN 3 [PEME3], PEMEN 3A [PEME3A]
PEMEN 3B [PEME3B]
RWY 19 DEPARTURES
TO NORTHWEST



ALT/HEIGHT CONVERSION

QNH (QFE)

710' (660' - 200m)
3990' (3940' - 1200m)
4990' (4940' - 1500m)

FL CONVERSION

FL69 FL2100m
FL79 FL2400m
FL89 FL2700m
FL98 FL3000m
FL177 FL5400m
FL381 FL11600m

UHSS/UUS
 KHOMUTOVO

12 SEP 08

10-3H

Eff 25 Sep

SID

JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
 59'

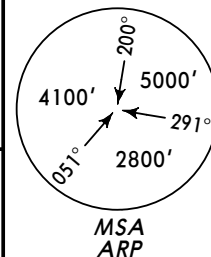
QNH on request (QFE)

Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

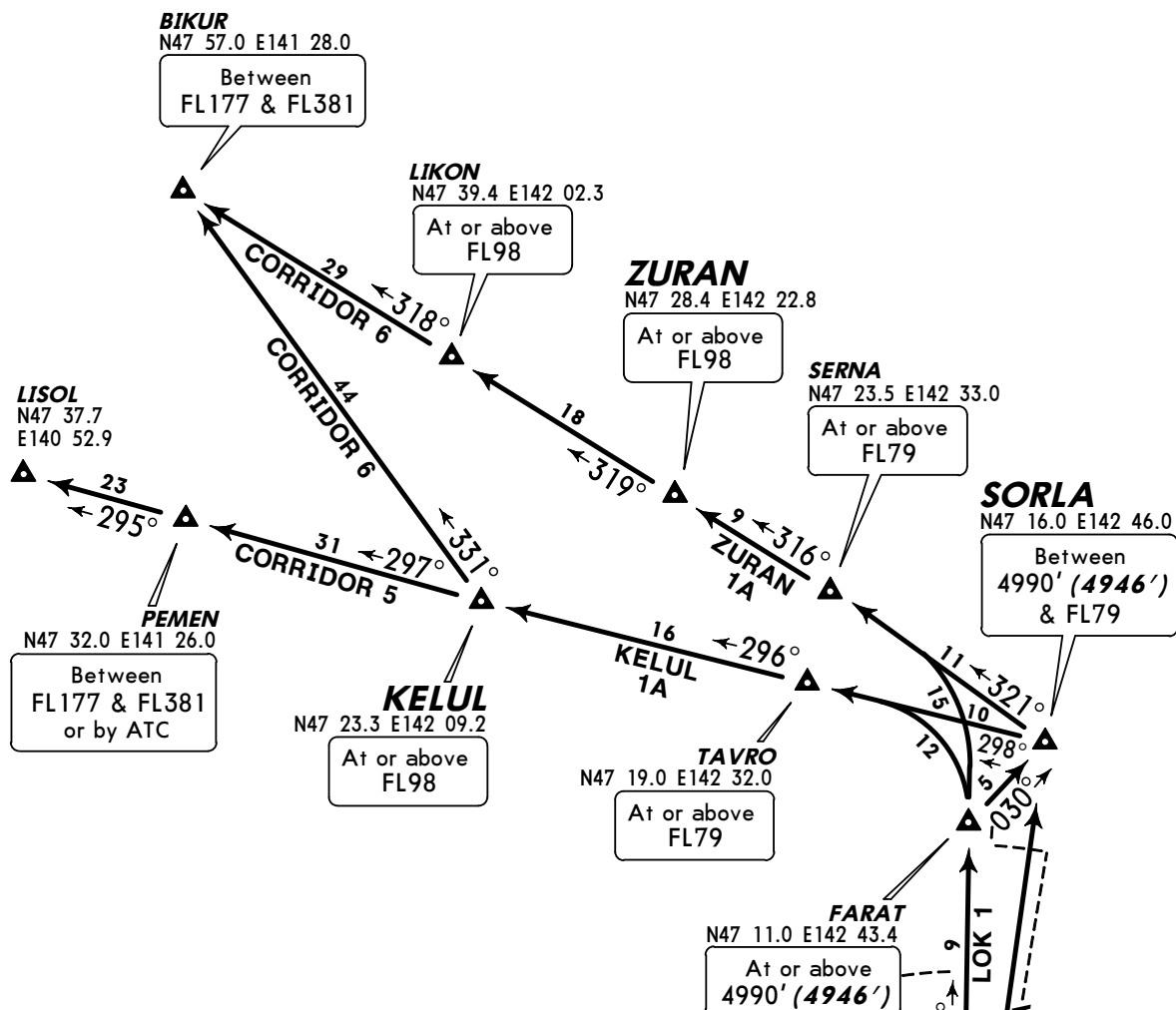
Trans alt: 4990' (4946')



**KELUL 1A [KELU1A]
 LOK 1, SL 1A, ZURAN 1A [ZUR1A]
 RWY 01 DEPARTURES**

TO NORTH

FOR SIDS BY ATC REFER TO CHART 10-3J



- ① Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- ② 020° from ARP between 3.8 NM and 17.3 NM do not fly east below 4990' (4946') and 015° from ARP between 17.3 NM and 21.1 NM do not fly east below FL138.

ALT/HEIGHT CONVERSION
 QNH (QFE)
 3990' (3946' - 1200m)
 4990' (4946' - 1500m)

FL CONVERSION
 FL69 FL2100m
 FL79 FL2400m
 FL89 FL2700m
 FL98 FL3000m
 FL138 FL4200m
 FL177 FL5400m
 FL381 FL11600m



UHSS/UUS
KHOMUTOVO

12 SEP 08

10-3J

Eff 25 Sep

SID

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

Apt Elev
59'

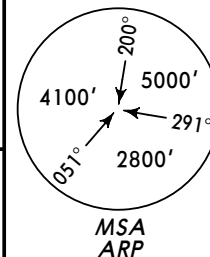
QNH on request (QFE)

Trans level: FL69

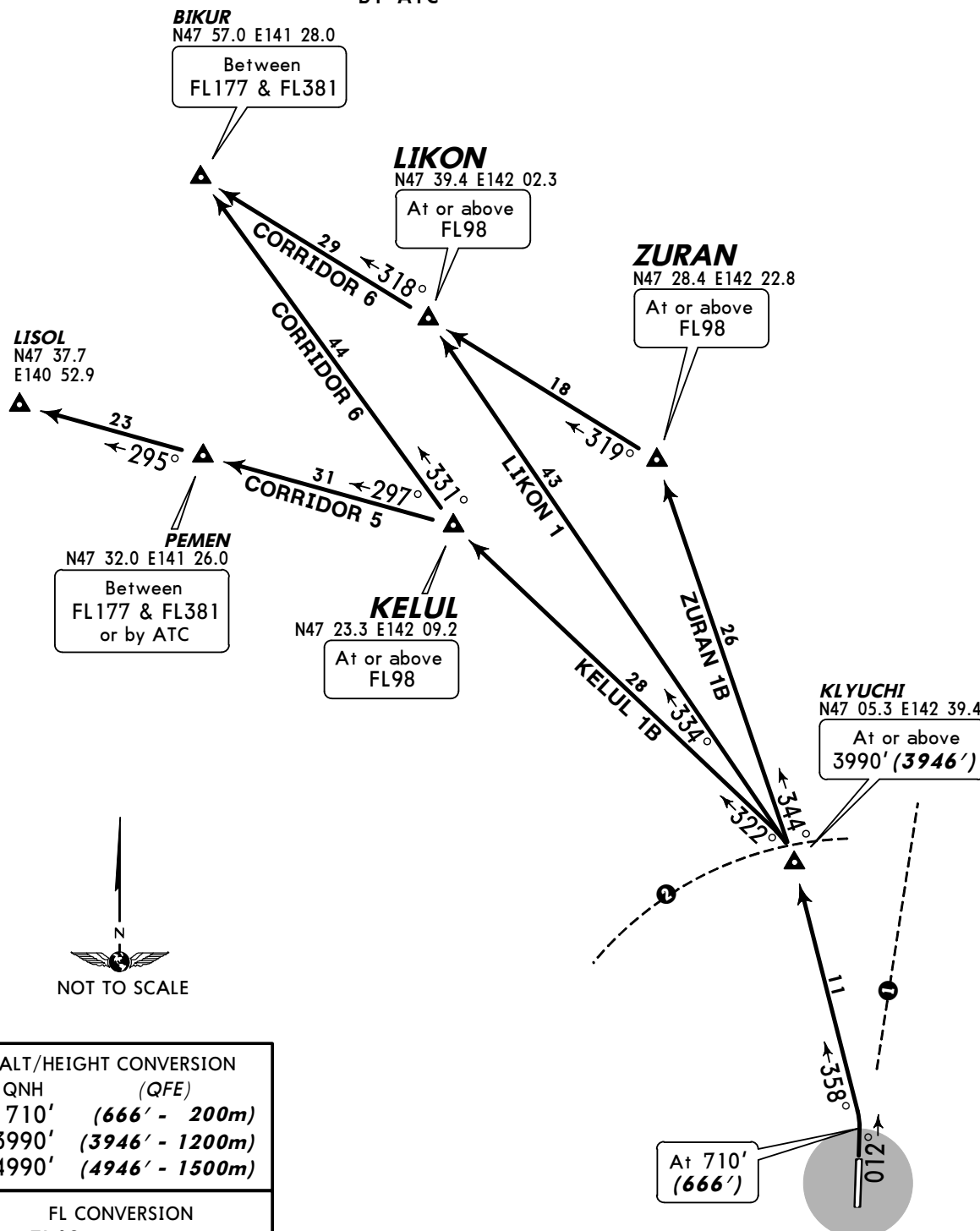
FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4946')



KELUL 1B [KELU1B]
LIKON 1, ZURAN 1B [ZURA1B]
RWY 01 DEPARTURES
TO NORTH
BY ATC



ALT/HEIGHT CONVERSION

QNH (QFE)

710' (666' - 200m)

3990' (3946' - 1200m)

4990' (4946' - 1500m)

FL CONVERSION

FL69 FL2100m

FL79 FL2400m

FL89 FL2700m

FL98 FL3000m

FL177 FL5400m

FL381 FL11600m

① 020° from ARP between 3.8 NM and 17.3 NM
do not fly east below 4990' (4946').

② Beyond 13.5 NM from ARP do not fly below
3990' (3946').

UHSS/UUS
KHOMUTOVO

12 SEP 08

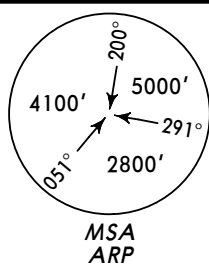
10-3K

Eff 25 Sep

SID

JEPPESSEN

YUZHNO-SAKHALINSK, RUSSIA



Apt Elev
59'

QNH on request (QFE)

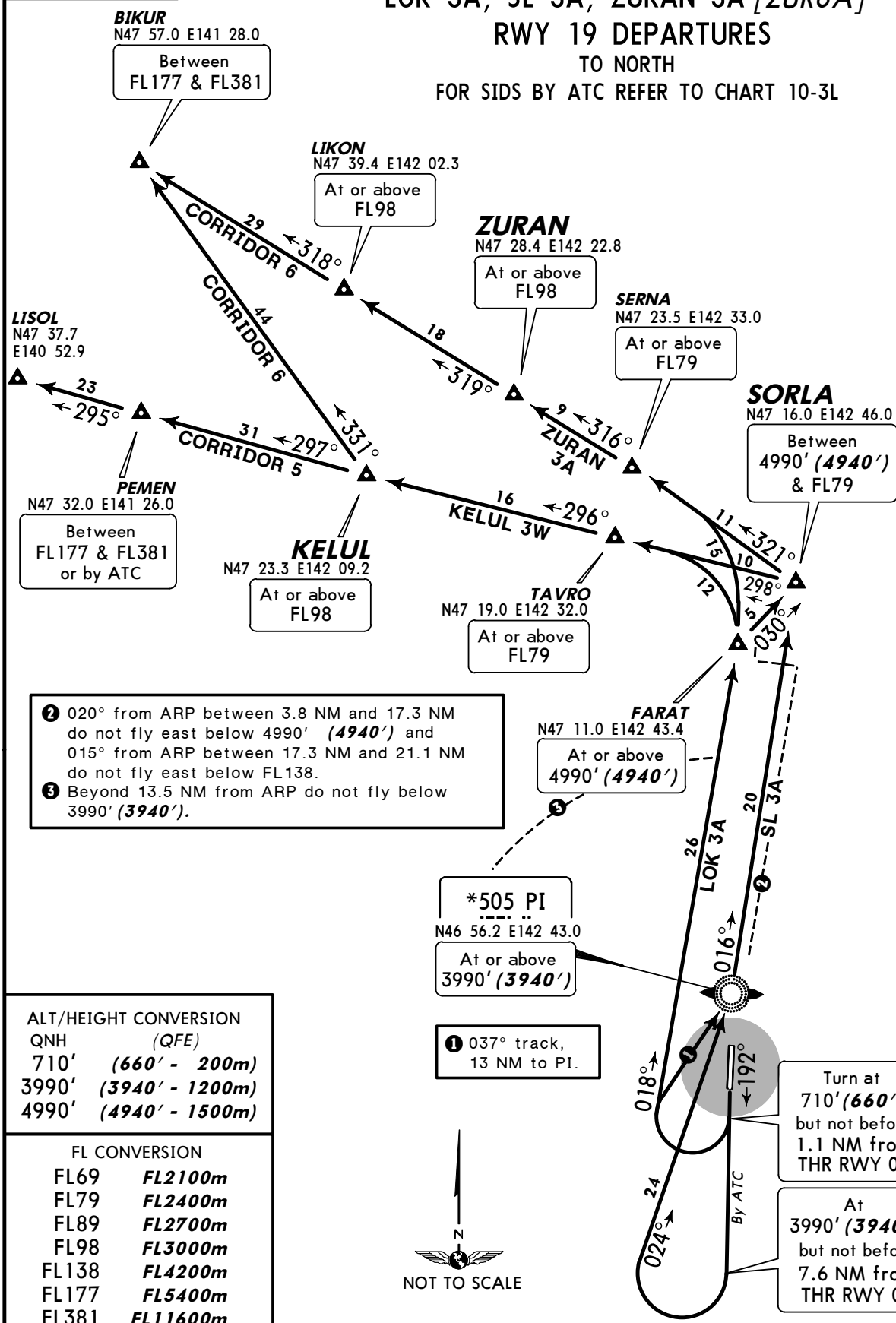
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')

KELUL 3W [KEL3W]
LOK 3A, SL 3A, ZURAN 3A [ZUR3A]
RWY 19 DEPARTURES
TO NORTH
FOR SIDS BY ATC REFER TO CHART 10-3L



UHSS/UUS
KHOMUTOVO

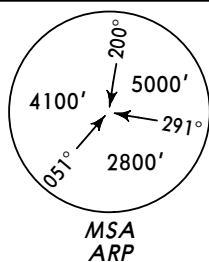
12 SEP 08

10-3L

Eff 25 Sep

SID

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA



Apt Elev
59'

QNH on request (QFE)

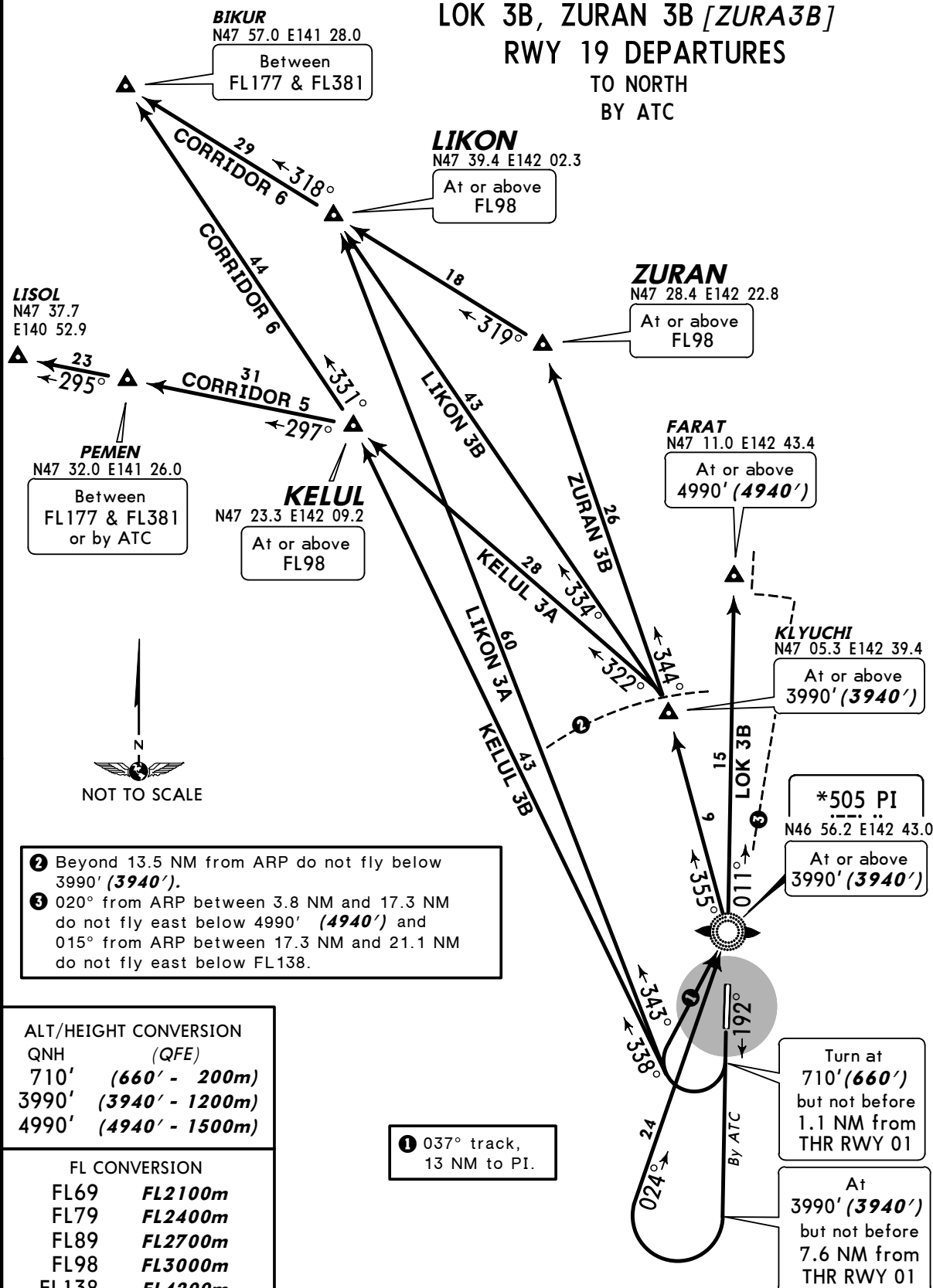
Trans level: FL69

FL79 if pressure is less than 758 mm (1010.6 hPa)

FL89 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 4990' (4940')

KELUL 3A [KELU3A], KELUL 3B [KELU3B]
LIKON 3A [LIKO3A], LIKON 3B [LIKO3B]
LOK 3B, ZURAN 3B [ZURA3B]
RWY 19 DEPARTURES
TO NORTH
BY ATC



- ② Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- ③ 020° from ARP between 3.8 NM and 17.3 NM do not fly east below 4990' (4940') and 015° from ARP between 17.3 NM and 21.1 NM do not fly east below FL138.

ALT/HEIGHT CONVERSION
QNH (QFE)
710' (660' - 200m)
3990' (3940' - 1200m)
4990' (4940' - 1500m)

FL CONVERSION
FL69 FL2100m
FL79 FL2400m
FL89 FL2700m
FL98 FL3000m
FL138 FL4200m
FL117 FL5400m
FL381 FL11600m

UHSS/UUS

Apt Elev **59'**
N46 53.3 E142 43.0

JEPPESEN YUZHNO-SAKHALINSK, RUSSIA

20 JUN 08

(10-9)

Eff 3 Jul

KHOMUTOVO

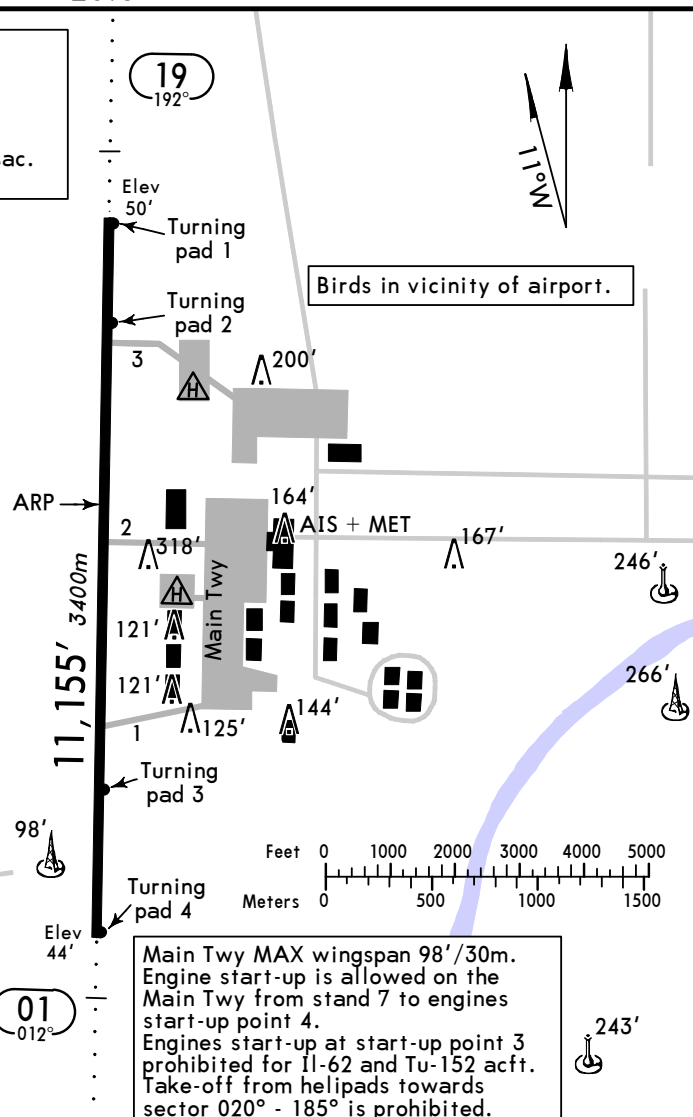
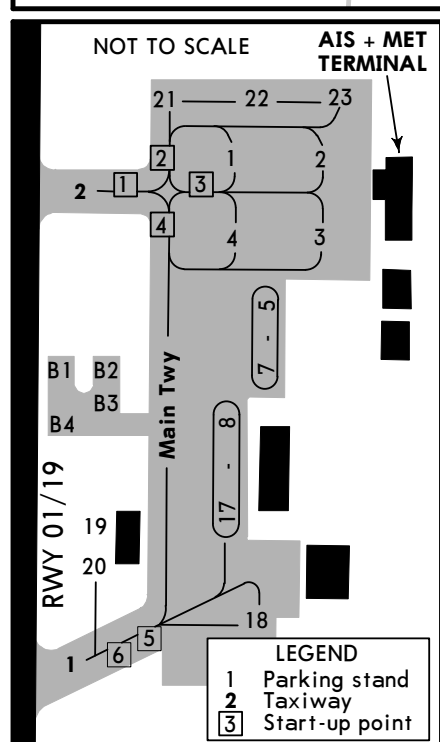
YUZHNO-SAKHALINSK Krug (GND/TWR)

120.6

Emergency landing possible West of rwy.
Taxiing and towing without permission
of KRUG is prohibited.
Stands 15, 16, 18 thru 20 and B1 thru B4
available for helicopters.
Stands 3 thru 17 and 21 thru 23 are cul-de-sac.
Stand 8 is designated for engines run-up.

PARKING POSITIONS

STAND	COORDINATES
1, 2	N46 53.1 E142 43.1
3	N46 52.2 E142 43.1



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION					USABLE LENGTHS		TAKE-OFF	WIDTH
RWY					LANDING BEYOND			
					Threshold	Glide Slope		
01	RL (60m)	ALS		RVR		10,171' 3100m	1 2	148' 45m
19	RL (60m)	ALS	PAPI-L(angle 3.0°)	RVR		10,138' 3090m		

① Rwy 01/19 first 328' (100m) not available for Take-off.

② TAKE-OFF RUN AVAILABLE

RWY 01:

From rwy head	10,827' (3300m)
turning pad 3	8530' (2600m)
twy 1 int	7710' (2350m)
twy 2 int	4757' (1450m)

RWY 19:

From rwy head	10,827' (3300m)
turning pad 2	9186' (2800m)
twy 2 int	6069' (1850m)
twy 1 int	3117' (950m)

TAKE-OFF

AIR CARRIER (JAA)

All Rwys

LVP must be in force

RCLM (DAY only)
or RLRCLM (DAY only)
or RL

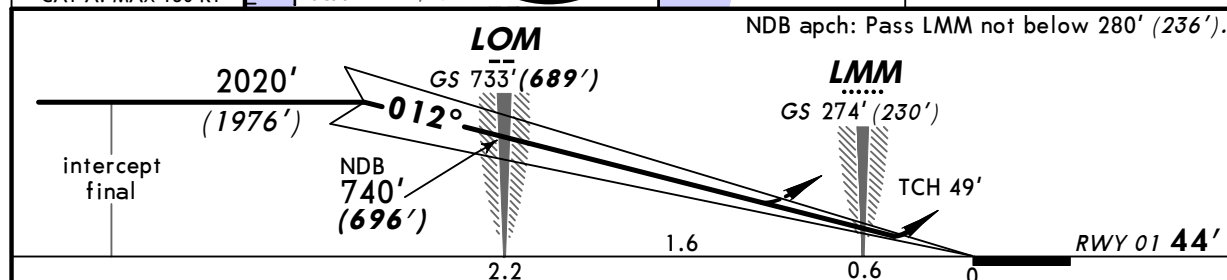
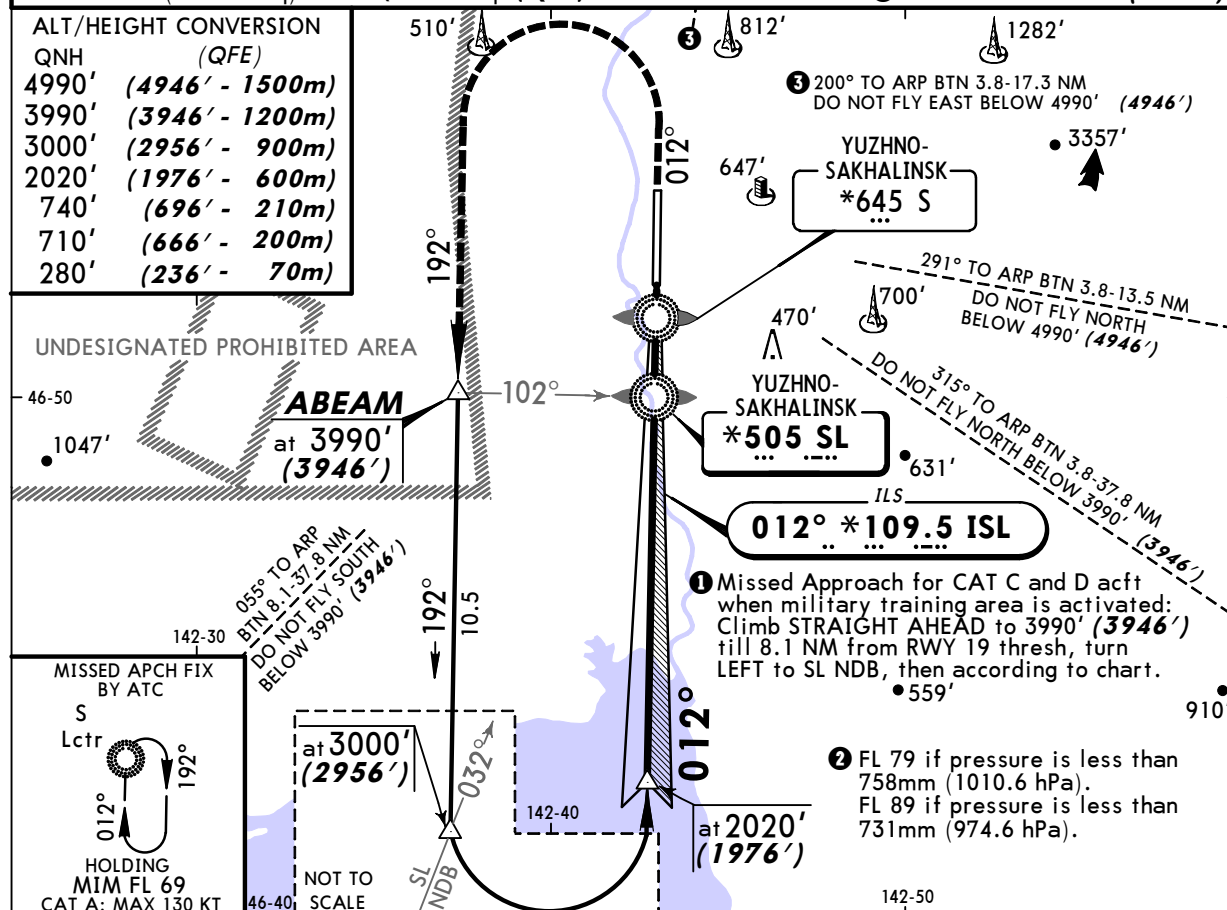
A		
B	250m	400m
C		
D	300m	

UHSS/UUS
KHOMUTOVOYUZHNO-SAKHALINSK, RUSSIA
20 JUN 08 (11-1) Eff 3 Jul ILS or 2 NDB Rwy 01

BRIEFING STRIP

YUZHNO-SAKHALINSK Krug (APP/SRE/TWR)				Ground	
120.6				120.6	
LOC ISL *109.5	Final Aptch Crs 012°	GS LOM 733' (689')	ILS DA(H) 244' (200')	Apt Elev 59'	
NDB SL *505		Minimum Alt LOM 740' (696')	NDB MDA(H) 390' (346')	RWY 44'	
MISSED APCH: Climb on 012° to 710' (666'), then turn LEFT onto 192° climbing to 3990' (3946') to ABEAM SL NDB, then according to chart, or By ATC: Proceed to holding area. ①					
MSA ARP					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 69 ② Trans alt: 4990' (4946')



Gnd speed-Kts	70	90	100	120	140	160	ALS	Refer to Missed Apch above
ILS GS 2.67° or NDB Descent Gradient 4.7%	336	432	480	576	671	767		

STRAIGHT-IN LANDING RWY 01									
ILS				LOC (GS out)		NDB			
DA(H) 244'(200')						MDA(H) 390'(346')			
FULL		ALS out						ALS out	
A	1200m			NOT AUTH		RVR 1500m VIS 1600m			
B									
C									
D						RVR 1800m VIS 2000m			

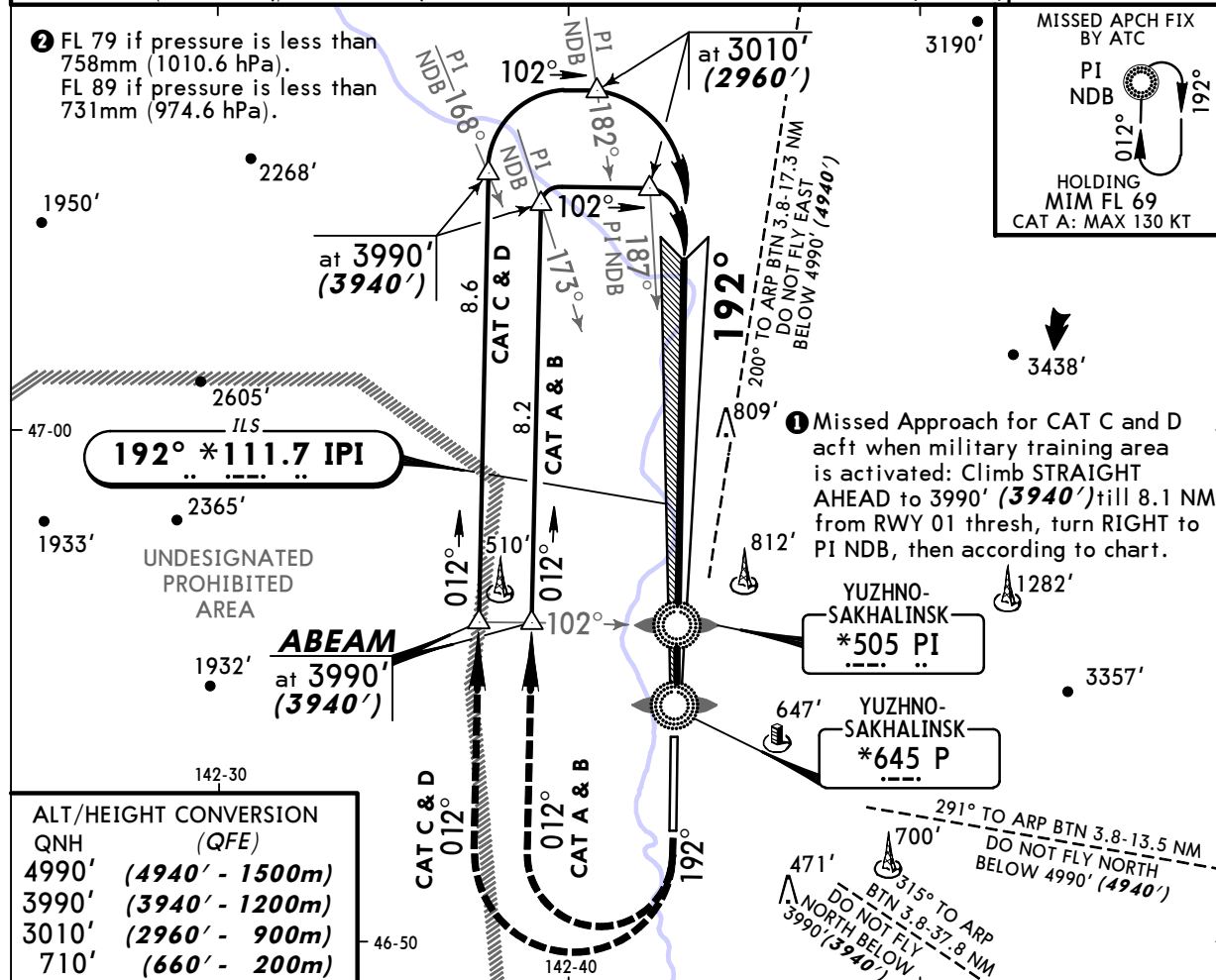
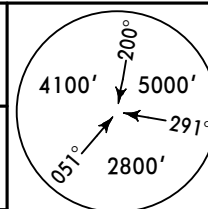
PANS OPS

UHSS/UUS
KHOMUTOVO

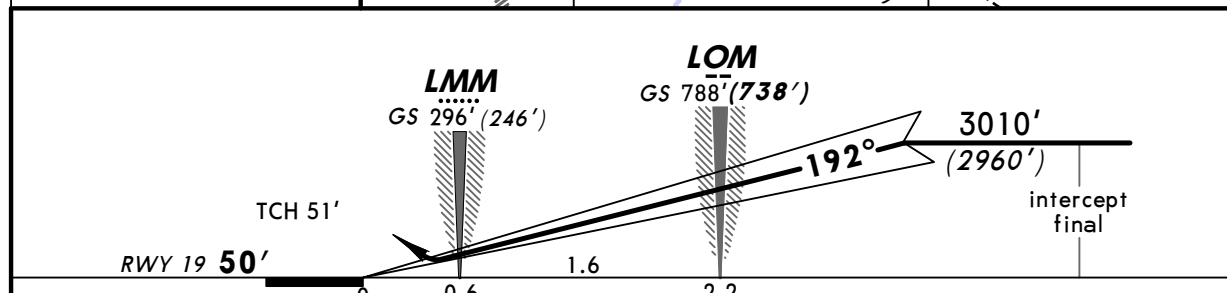
JEPPESSEN YUZHNO-SAKHALINSK, RUSSIA
20 JUN 08 11-2 Eff 3 Jul ILS Rwy 19

BRIEFING STRIP

YUZHNO-SAKHALINSK Krug (APP/SRE/TWR)				Ground	
120.6				120.6	
LOC IPI *111.7	Final Apch Crs 192°	GS LOM 788' (738')	ILS DA(H) 250' (200')	Apt Elev 59'	RWY 50'
MISSED APCH: Climb on 192° to 710' (660'), then turn RIGHT onto 012° climbing to 3990' (3940') to ABEAM PI NDB, then according to chart, or By ATC: Proceed to holding area. ①					
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: FL 69 ② Trans alt: 4990' (4940')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)
710'	(660' - 200m)



0							0.6		2.2		ALS		Refer to Missed Apch above	
Gnd speed-Kts	70	90	100	120	140	160						PAPI		
Gs	3.00°	377	484	538	646	753	861							

STRAIGHT-IN LANDING RWY 19			
ILS		LOC (GS out)	
DA(H) 250' (200')			
FULL	ALS out		
A			
B			
C	1200m	NOT AUTH	
D			

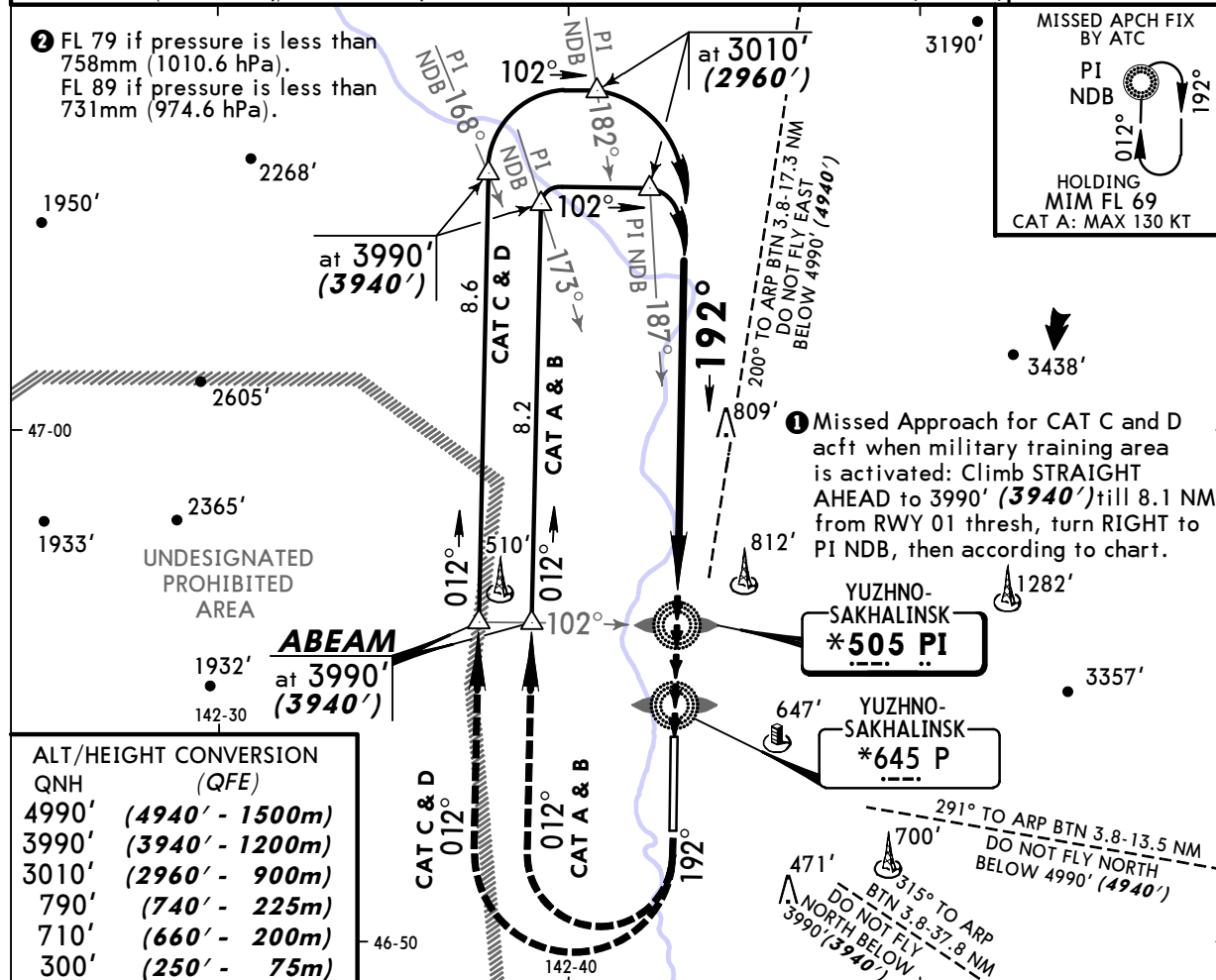
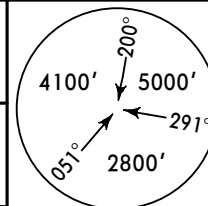
PANS OPS

UHSS/UUS
KHOMUTOVO

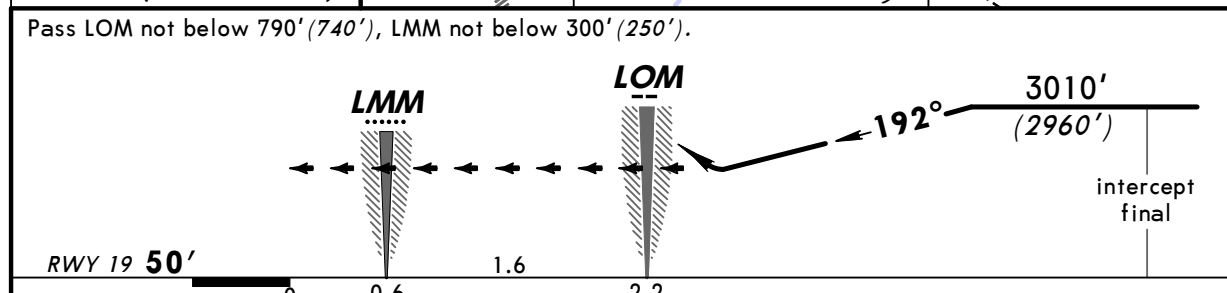
JEPPESEN YUZHNO-SAKHALINSK, RUSSIA
20 JUN 08 (16-1) Eff 3 Jul 2 NDB or 1 NDB Rwy 19

BRIEFING STRIP

YUZHNO-SAKHALINSK Krug (APP/SRE/TWR)				Ground	
120.6				120.6	
NDB PI *505	Final Apch Crs 192°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 59'	RWY 50'
MISSED APCH: Climb on 192° to 710' (660'), then turn RIGHT onto 012° climbing to 3990' (3940') to ABEAM PI NDB, then according to chart, or By ATC: Proceed to holding area. ①					
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: FL 69 ② Trans alt: 4990' (4940')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
4990'	(4940' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)
790'	(740' - 225m)
710'	(660' - 200m)
300'	(250' - 75m)



Gnd speed-Kts	70	90	100	120	140	160
Descent Gradient 5.2%	369	474	527	632	737	843

STRAIGHT-IN LANDING RWY 19			
2 NDB	1 NDB	2 NDB	1 NDB
with FAF	w/o FAF	with FAF	w/o FAF
MDA(H)	MDA(H)	MDA(H)	MDA(H)
850' (800')	950' (900')	2000' (1950')	2180' (2130')
ALS out	ALS out	ALS out	ALS out

PANS OPS	A	B	C	D
	3200m	3200m	3200m	3200m
	4000m	4400m	4800m	4800m
	4400m	4800m		