

## List of pages in this Trip Kit

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Airport Information For ULAA

Terminal Charts For ULAA

Revision Letter For Cycle 13-2016

Change Notices

Notebook

## General Information

Location: ARKHANGELSK RUS  
ICAO/IATA: ULAA / ARH  
Lat/Long: N64° 36.02', E040° 43.00'  
Elevation: 62 ft

Airport Use: Joint-Use  
Daylight Savings: Not Observed  
UTC Conversion: -3:00 = UTC  
Magnetic Variation: 15.0° E

Fuel Types: Jet A-1  
Repair Types: Minor Airframe, Minor Engine  
Customs: Yes  
Airport Type: IFR  
Landing Fee: Yes  
Control Tower: Yes  
Jet Start Unit: No  
LLWS Alert: No  
Beacon: No

Sunrise: 2232 Z  
Sunset: 2005 Z

## Runway Information

Runway: 08  
Length x Width: 8202 ft x 144 ft  
Surface Type: concrete  
TDZ-Elev: 33 ft  
Lighting: Edge, ALS

Runway: 26  
Length x Width: 8202 ft x 144 ft  
Surface Type: concrete  
TDZ-Elev: 49 ft  
Lighting: Edge, ALS

## Communication Information

ATIS: 130.675  
ATIS: 126.675 Non-English  
Arkhangelsk Tower: 121.800  
Arkhangelsk Approach: 122.000  
Arkhangelsk Approach: 124.000 Secondary



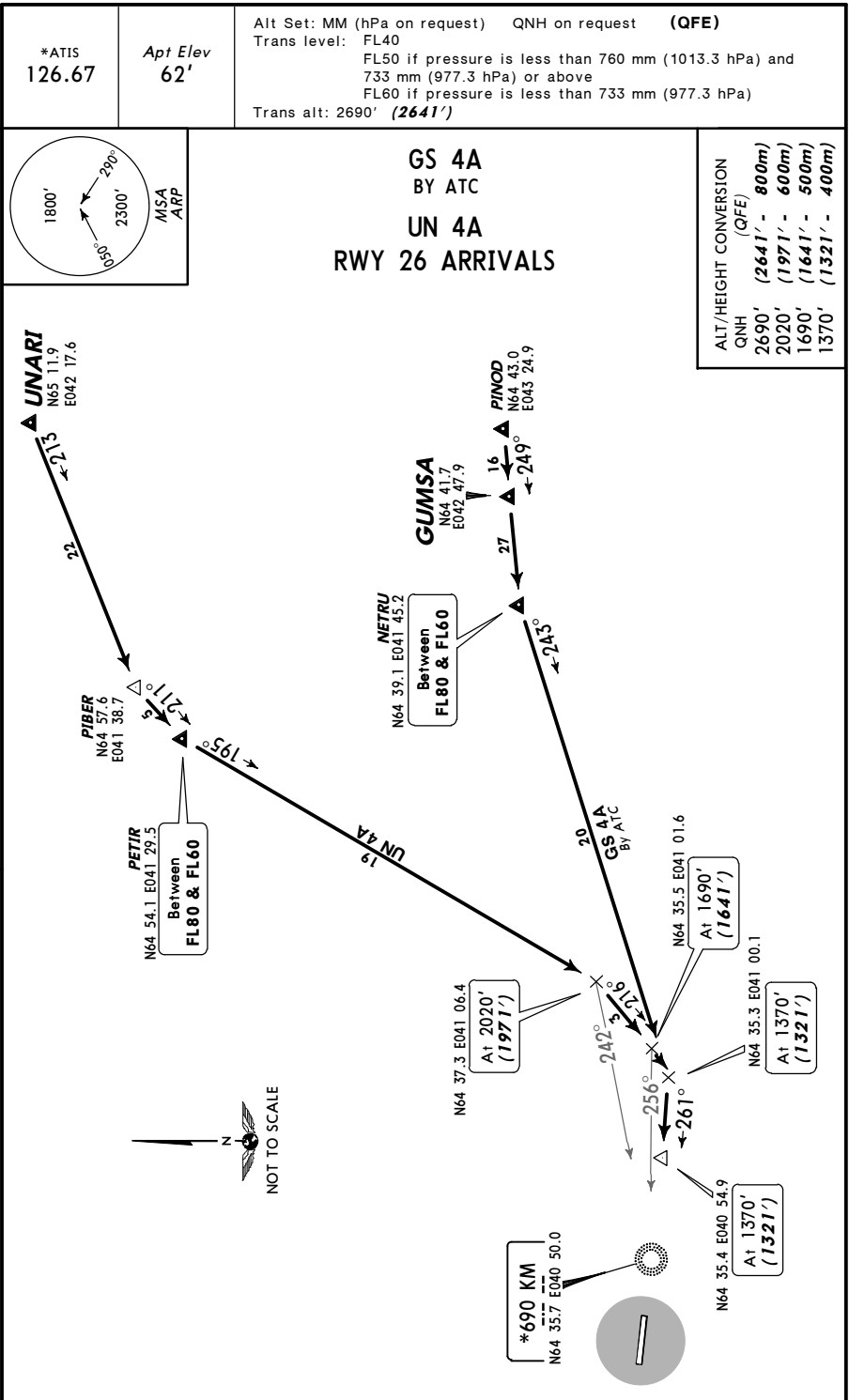
ULAA/ARH  
TALAGI

JEPPESSEN  
30 MAR 12 (10-2A)

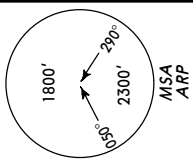
Eff 5 Apr

ARKHANGELSK, RUSSIA

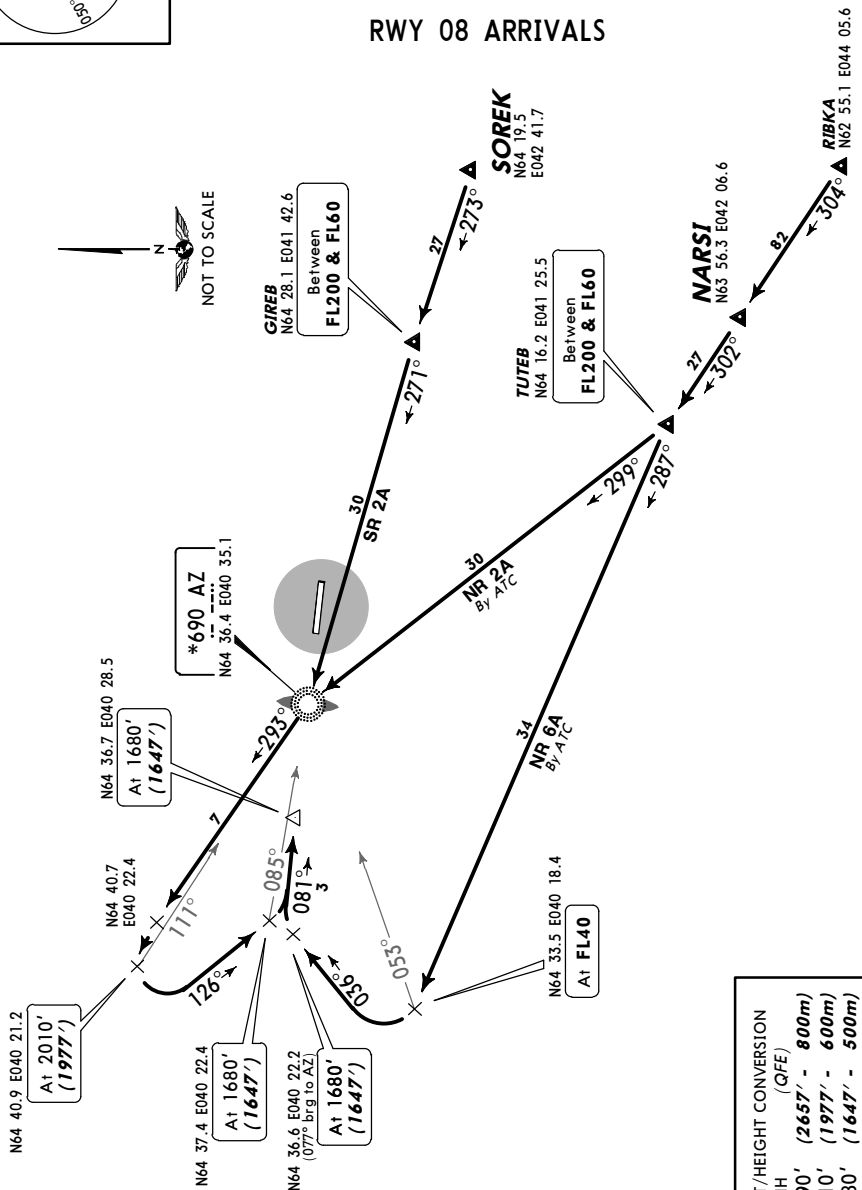
STAR



Alt Set: MM (hPa on request) QNH on request **(QFE)**  
 Trans level: FL40  
 FL50 if pressure is less than 760 mm (1013.3 hPa) and  
 733 mm (977.3 hPa) or above  
 FL60 if pressure is less than 733 mm (977.3 hPa)  
 Trans alt: 2690' **(2657')**



NR 2A, NR 6A  
BY ATC  
SR 2A  
RWY 08 ARRIVALS



| QNH   | (QFE)          |
|-------|----------------|
| 2690' | (2657' - 800m) |
| 2010' | (1977' - 600m) |
| 1680' | (1647' - 500m) |

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ARKHANGELSK, RUSSIA

30 MAR 12

10-2C

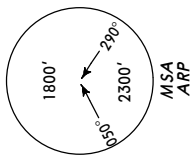
Eff 5 Apr

STAR

\*ATIS  
126.67

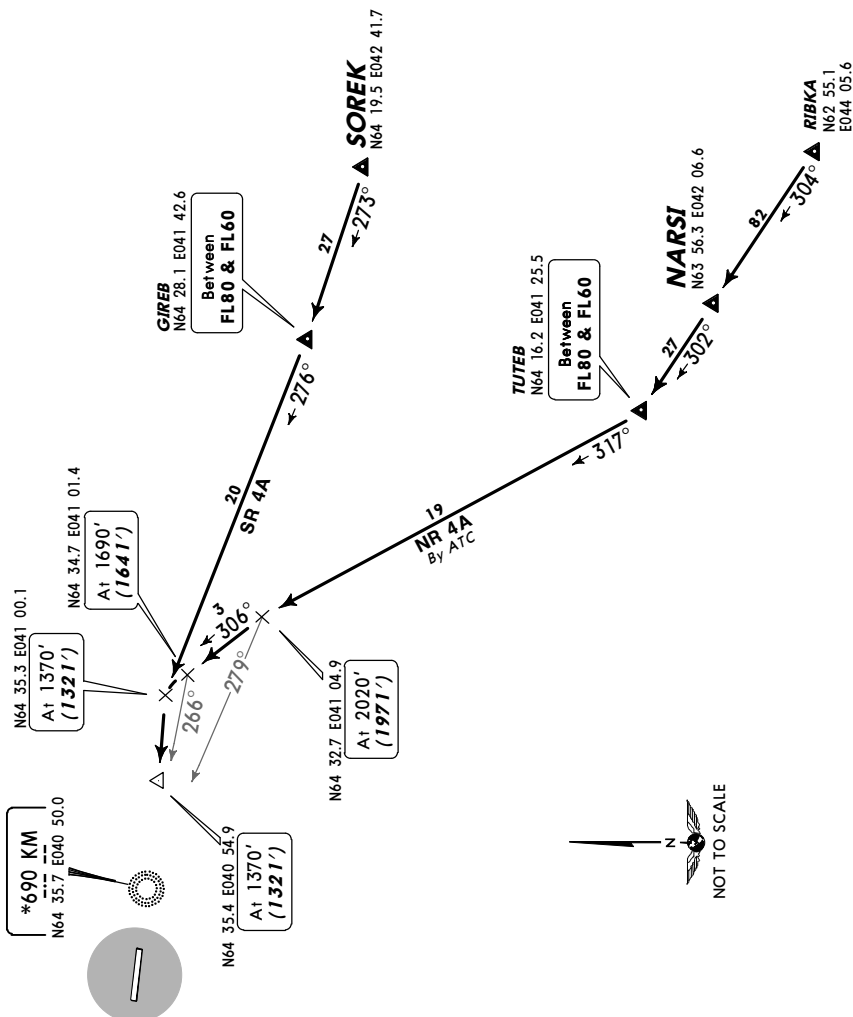
Apt Elev  
62'

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL40  
FL50 if pressure is less than 760 mm (1013.3 hPa) and  
733 mm (977.3 hPa) or above  
FL60 if pressure is less than 733 mm (977.3 hPa)  
Trans alt: 2690' (2641')



NR 4A  
BY ATC  
SR 4A  
RWY 26 ARRIVALS

| ALT/HEIGHT CONVERSION<br>(QFE) |                |
|--------------------------------|----------------|
| QNH                            |                |
| 2690'                          | (2641' - 800m) |
| 2020'                          | (1971' - 600m) |
| 1690'                          | (1641' - 500m) |
| 1370'                          | (1321' - 400m) |



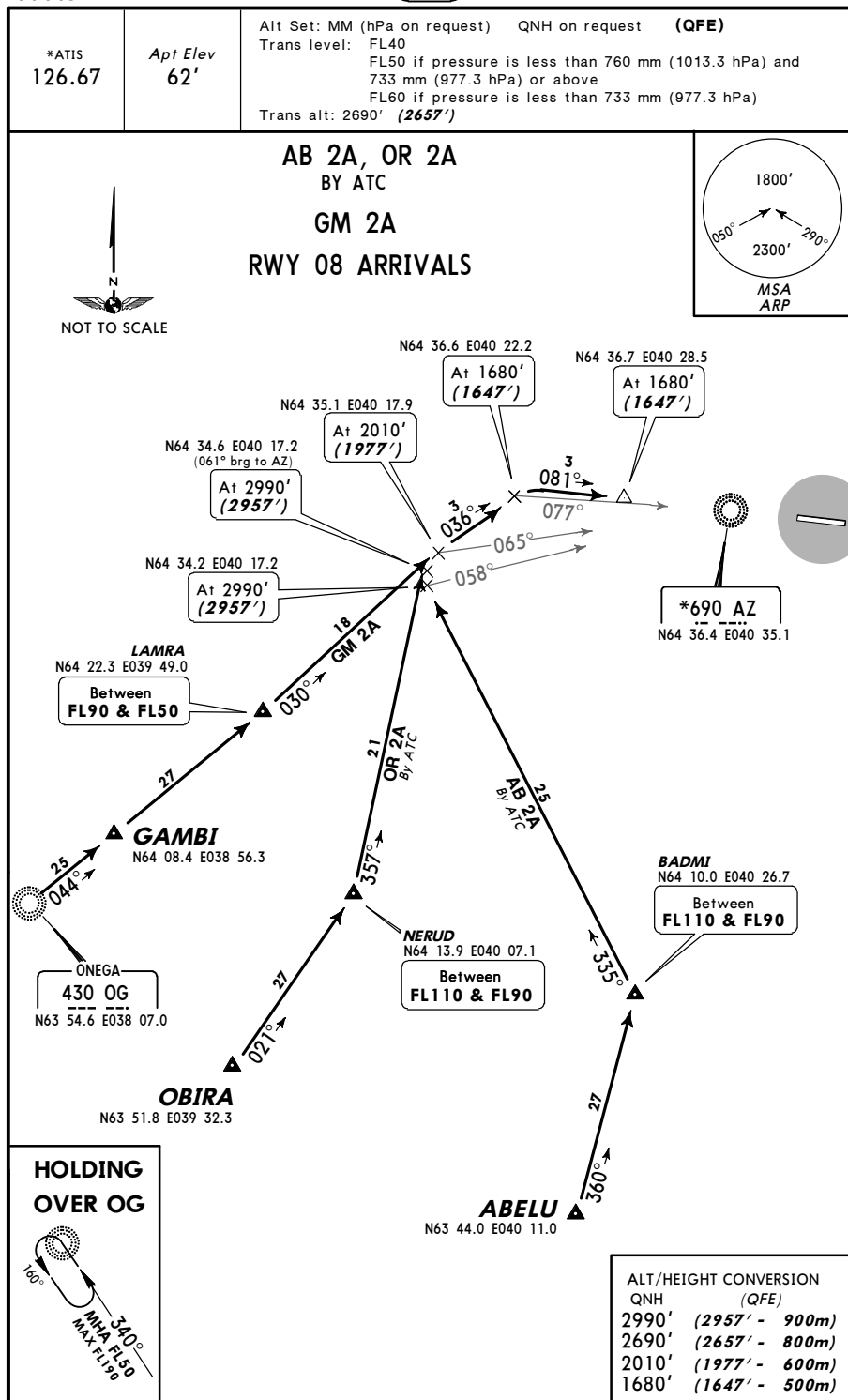
ULAA/ARH  
TALAGI

JEPPESSEN  
30 MAR 12 10-2D

Eff 5 Apr

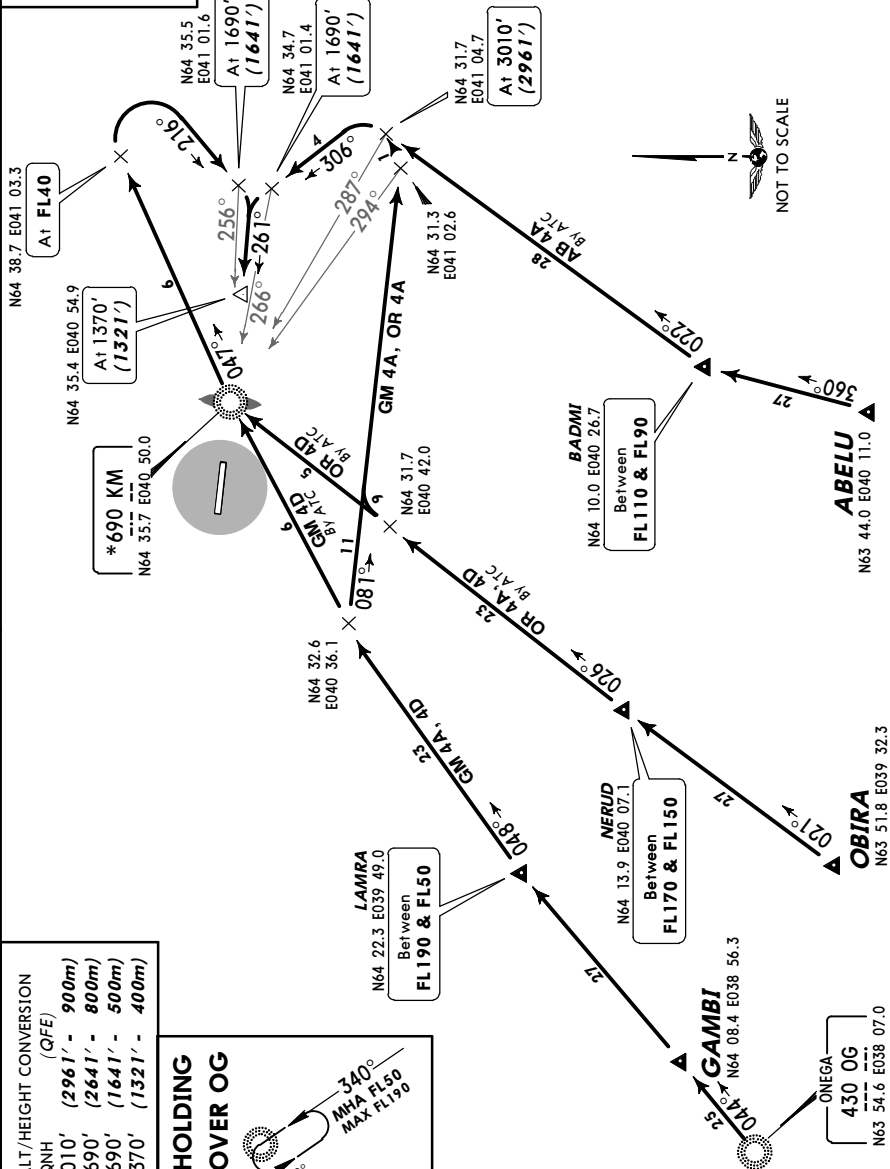
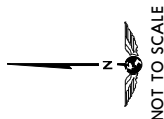
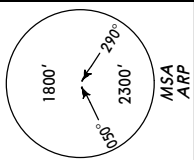
ARKHANGELSK, RUSSIA

STAR



Alt Set: MM (hPa on request)    QNH on request    **(QFE)**  
 Trans level: FL40  
 FL50 if pressure is less than 760 mm (1013.3 hPa) and  
 733 mm (977.3 hPa) or above  
 FL60 if pressure is less than 733 mm (977.3 hPa)  
 Trans alt: 2690' **(2641')**

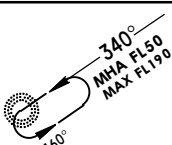
RWY 26 ARRIVALS



ALT/HEIGHT CONVERSION  
QNH (QFE)

(2961' - 900m)  
(2641' - 800m)  
(1641' - 500m)  
(1321' - 400m)

**HOLDING  
OVER OG**



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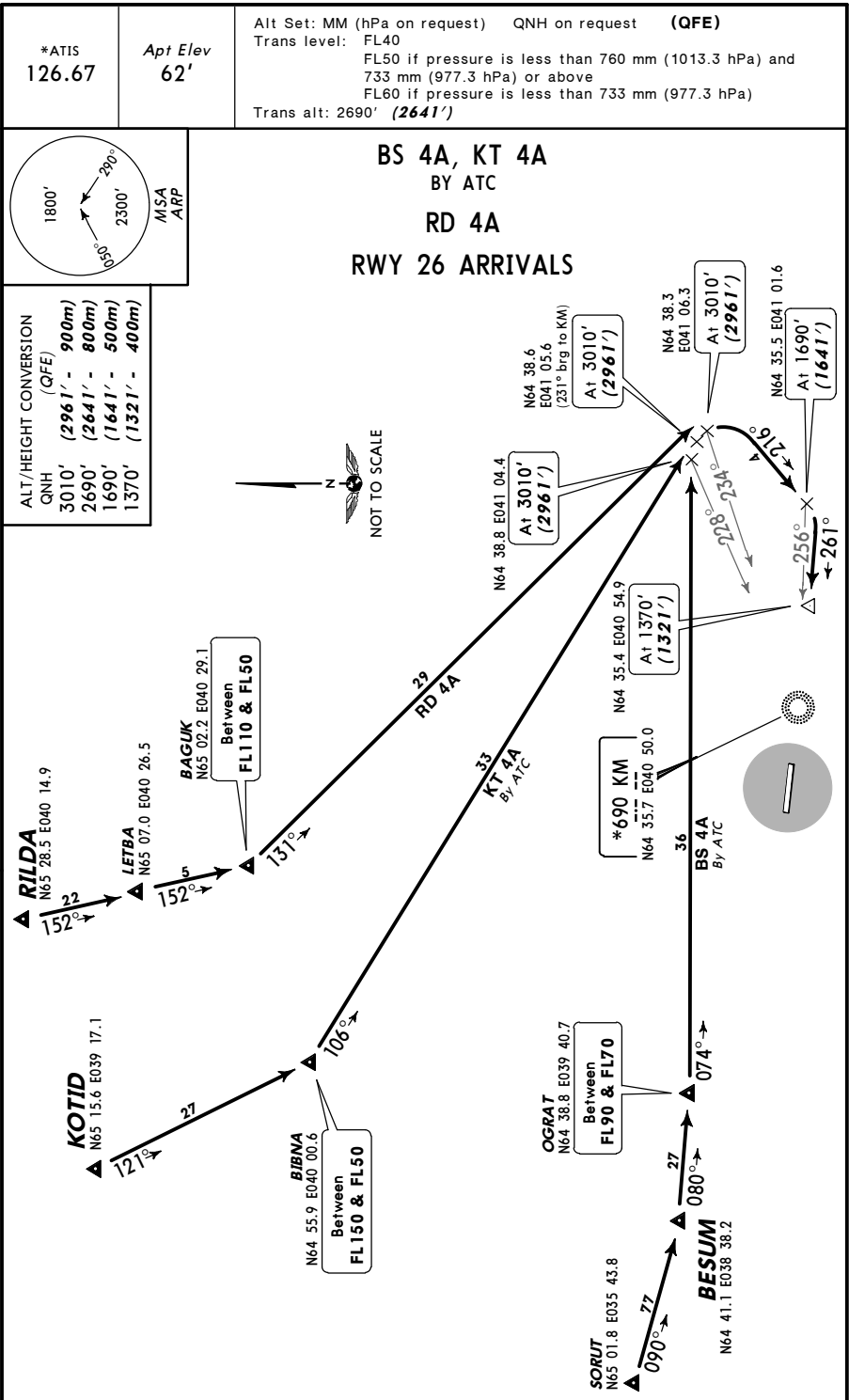
ARKHANGELSK, RUSSIA

30 MAR 12

(10-2G)

Eff 5 Apr

STAR



ULAA/ARH  
TALAGI

JEPPESSEN  
30 MAR 12 (10-3)

Eff 5 Apr

ARKHANGELSK, RUSSIA

SID

Apt Elev  
62'

QNH on request (QFE)

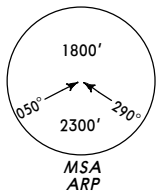
Trans level: FL40

FL50 if pressure is less than 760 mm (1013.3 hPa) and  
733 mm (977.3 hPa) or above

FL60 if pressure is less than 733 mm (977.3 hPa)

Trans alt: 2690' (2657')

3020' (2987') in case of military flights at the aerodrome.



# GS 1A 1, NR 1A 1, SR 1A, UN 1A RWY 08 DEPARTURES

1 By ATC.

UNARI  
N65 11.9 E042 17.6

PETIR  
N64 54.1 E041 29.5  
At or above  
FL50

PIBER  
N64 57.6 E041 38.7

NETRU  
N64 39.1 E041 45.2  
At or above  
FL50

GUMSA  
N64 41.7 E042 47.9  
PINOD  
N64 43.0 E043 24.9

GS 1A, UN 1A  
Turn at  
690' (657')

At 1020'  
(987')

TUTEB  
N64 16.2 E041 25.5  
At or above  
FL50

GIREB  
N64 28.1 E041 42.6  
At or above  
FL50

SOREK  
N64 19.5 E042 41.7

NARSI  
N63 56.3 E042 06.6

RIBKA  
N62 55.1 E044 05.6

## ALT/HEIGHT CONVERSION

| QNH   | (QFE)          |
|-------|----------------|
| 690'  | (657' - 200m)  |
| 1020' | (987' - 300m)  |
| 2690' | (2657' - 800m) |
| 3020' | (2987' - 900m) |

ULAA/ARH  
TALAGI

JEPPESSEN  
30 MAR 12 (10-3A)

Eff 5 Apr

ARKHANGELSK, RUSSIA

SID

Apt Elev  
62'

QNH on request (QFE)

Trans level: FL40

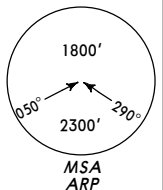
FL50 if pressure is less than 760 mm (1013.3 hPa) and

733 mm (977.3 hPa) or above

FL60 if pressure is less than 733 mm (977.3 hPa)

Trans alt: 2690' (2641')

3020' (2971') in case of military flights at the aerodrome.



GS 3A, NR 3A, NR 5A, SR 3A, SR 5A, UN 3A  
RWY 26 DEPARTURES

By ATC.

UNARI  
N65 11.9 E042 17.6

PIBER  
N64 57.6 E041 38.7

PETIR  
N64 54.1 E041 29.5  
At or above  
FL50

NETRU  
N64 39.1 E041 45.2  
At or above  
FL50

GUMSA PINOD  
N64 41.7 E042 47.9 N64 43.0 E043 24.9  
068° 16° 069°

\*690 KM  
N64 35.7 E040 50.0

GIREB  
N64 28.1 E041 42.6  
At or above  
FL50

SOREK  
N64 19.5 E042 41.7

TUTEB  
N64 16.2 E041 25.5  
At or above  
FL50

NARSI  
N63 56.3 E042 06.6

RIBKA  
N62 55.1 E044 05.6

| ALT/HEIGHT CONVERSION |
|-----------------------|
| QNH (QFE)             |
| 710' (661' - 200m)    |
| 2020' (1971' - 600m)  |
| 2690' (2641' - 800m)  |
| 3020' (2971' - 900m)  |

CHANGES: SIDs completely revised.

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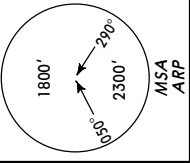
23 NOV 12

10-3B

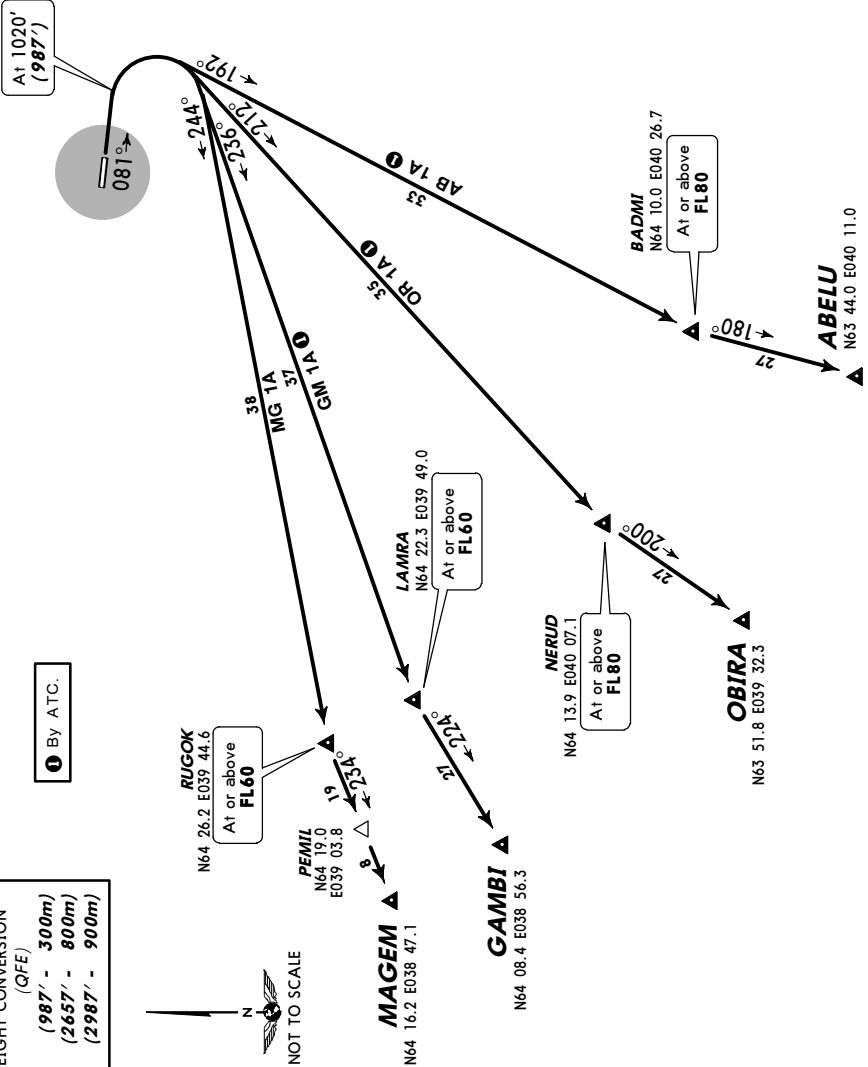
SID

Apt Elev  
62'

QNH on request (QFE)  
Trans level: FL40  
FL50 if pressure is less than 760 mm (1013.3 hPa) and  
733 mm (977.3 hPa) or above  
FL60 if pressure is less than 733 mm (977.3 hPa)  
Trans alt: 2690' (2657')  
3020' (2987') in case of military flights at the aerodrome.



AB 1A 01, GM 1A 01, MG 1A, OR 1A 01  
RWY 08 DEPARTURES



ALT/HEIGHT CONVERSION  
(QFE)  
QNH  
1020' - 300m  
2690' (2657') - 800m  
3020' (2987') - 900m



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30 MAR 12 (10-3D)

Eff 5 Apr

ARKHANGELSK, RUSSIA  
SID

Apt Elev  
62'

QNH on request (QFE)

Trans level: FL40

FL50 if pressure is less than 760 mm (1013.3 hPa) and  
733 mm (977.3 hPa) or above

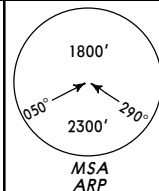
FL60 if pressure is less than 733 mm (977.3 hPa)

Trans alt: 2690' (2657')

3020' (2987') in case of military flights at the aerodrome.

BS 1A ①, KT 1A ①, RD 1A  
RWY 08 DEPARTURES

① By ATC.



**RILDA**  
N65 28.5 E040 14.9

22  
332°

**LETBA**  
N65 07.0 E040 26.5

**BAGUK**  
N65 02.2 E040 29.1  
At or above  
FL60

**KOTID**  
N65 15.6 E039 17.1

**BIBNA**  
N64 55.9 E040 00.6  
At or above  
FL60

**OGRAT**  
N64 38.8 E039 40.7  
At or above  
FL60

**SORUT**  
N65 01.8 E035 43.8

**BESUM**  
N64 41.1 E038 38.2

BS 1A ①

081°

At 690'  
(657')

ALT/HEIGHT CONVERSION

QNH (QFE)

690' (657' - 200m)

2690' (2657' - 800m)

3020' (2987' - 900m)

ULAA/ARH  
TALAGI

JEPPESSEN  
30 MAR 12 (10-3E)

Eff 5 Apr

ARKHANGELSK, RUSSIA  
SID

Apt Elev  
62'

QNH on request (QFE)

Trans level: FL40

FL50 if pressure is less than 760 mm (1013.3 hPa) and

733 mm (977.3 hPa) or above

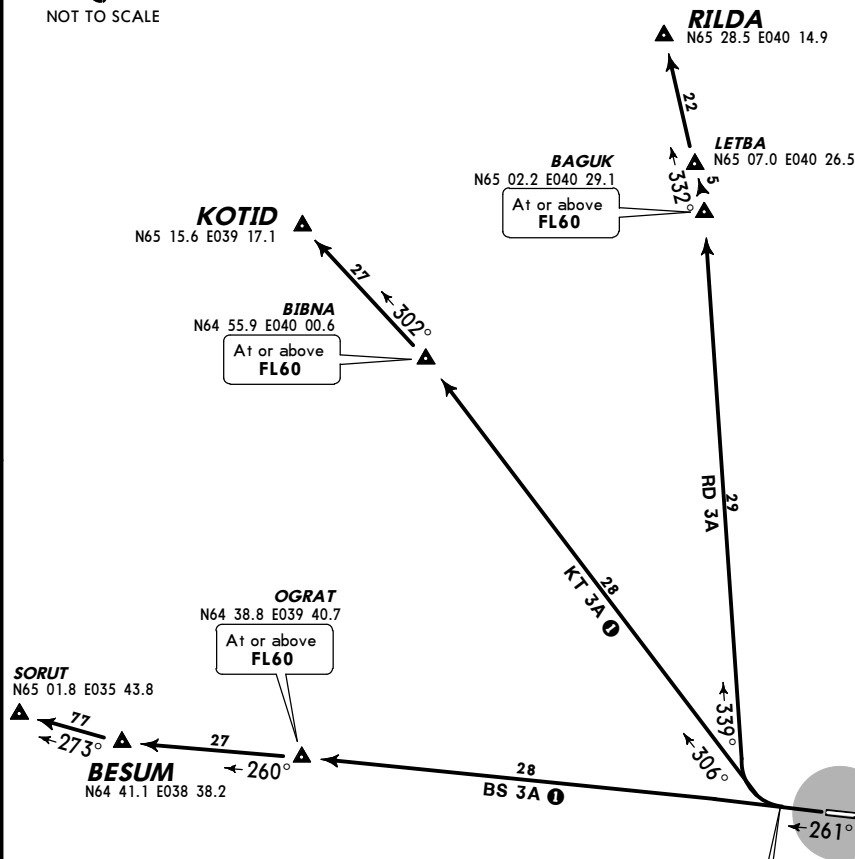
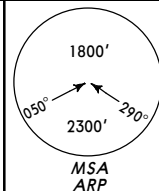
FL60 if pressure is less than 733 mm (977.3 hPa)

Trans alt: 2690' (2641')

3020' (2971') in case of military flights at the aerodrome.

BS 3A, KT 3A, RD 3A  
RWY 26 DEPARTURES

By ATC.



ALT/HEIGHT CONVERSION

QNH (QFE)

710' (661' - 200m)

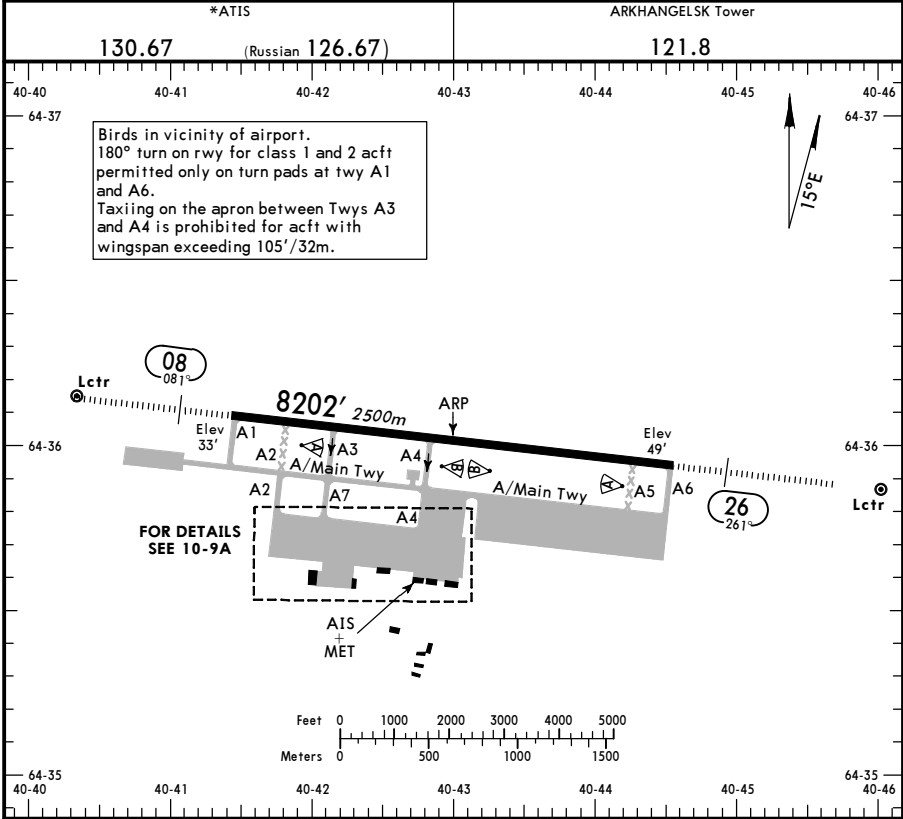
2690' (2641' - 800m)

3020' (2971' - 900m)

ULAA/ARH  
Apt Elev **62'**  
N64 36.0 E040 43.0

**JEPPesen**  
13 FEB 15 **(10-9)**

**ARKHANGELSK, RUSSIA**  
**TALAGI**



| ADDITIONAL RUNWAY INFORMATION |                                           |             |  |  |                |       |
|-------------------------------|-------------------------------------------|-------------|--|--|----------------|-------|
| RWY                           |                                           |             |  |  | USABLE LENGTHS |       |
|                               | LANDING BEYOND                            |             |  |  | TAKE-OFF       | WIDTH |
|                               | Threshold                                 | Glide Slope |  |  |                |       |
| 08                            |                                           | 7351' 2241m |  |  |                | 144'  |
| 26                            | HIRL (60m) HIALS PAPI-L (angle 2.67°) RVR | 7169' 2185m |  |  |                | 44m   |

**LOW VISIBILITY PROCEDURES (LVP)**

LVP applied when RVR is less than 550m.

The flight crew will be informed when LVP are in progress by ATIS or ATS unit by phrase: "LVP in progress, check your minimums".

Taxi routes shall be assigned by TWR controller.  
Follow-me car or towing shall be provided by flight crew's request.  
Flight crews shall be responsible for runway incursion and for adherence to the assigned taxi routes during taxiing on the manoeuvring area.

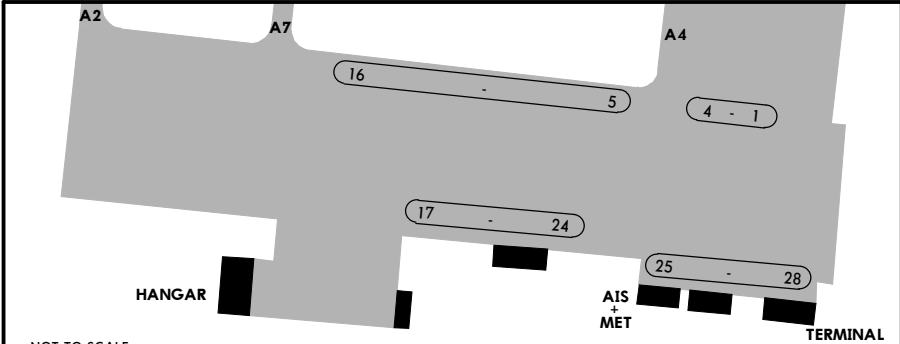
The following is prohibited during LVP:  
- take-off not from the runway beginning.  
- take-off without stop on the line-up position.

| TAKE-OFF          |                                                  |                          |
|-------------------|--------------------------------------------------|--------------------------|
| AIR CARRIER (JAA) |                                                  |                          |
| All Rwys          |                                                  |                          |
|                   | LVP must be in force<br>RCLM (DAY only)<br>or RL | RCLM (DAY only)<br>or RL |
| A                 | 250m                                             | 400m                     |
| B                 |                                                  |                          |
| C                 |                                                  |                          |
| D                 | 300m                                             |                          |

ULAA/ARH

 **JEPPESSEN**  
13 FEB 15 **(10-9A)**

**ARKHANGELSK, RUSSIA**  
**TALAGI**



Taxiing is at reduced speed and strictly along centerline under inner engines power.

**INS COORDINATES**

| STAND No.  | COORDINATES        | STAND No. | COORDINATES        |
|------------|--------------------|-----------|--------------------|
| 1          | N64 35.8 E040 43.0 | 17        | N64 35.8 E040 42.3 |
| 2, 3       | N64 35.8 E040 42.9 | 18, 19    | N64 35.8 E040 42.4 |
| 4          | N64 35.8 E040 42.8 | 20, 21    | N64 35.8 E040 42.5 |
| 5          | N64 35.9 E040 42.7 | 22, 23    | N64 35.8 E040 42.6 |
| 6, 7       | N64 35.9 E040 42.6 | 24, 25    | N64 35.8 E040 42.7 |
| 8, 9       | N64 35.9 E040 42.5 | 26, 27    | N64 35.8 E040 42.8 |
| 10         | N64 35.9 E040 42.4 | 28        | N64 35.8 E040 42.9 |
| 11         | N64 35.9 E040 42.5 |           |                    |
| 12 thru 14 | N64 35.9 E040 42.3 |           |                    |
| 15, 16     | N64 35.9 E040 42.2 |           |                    |

ULAA/ARH



Standard  
ARKHANGELSK, RUSSIA  
TALAGI

| STRAIGHT-IN RWY | A                | B          | C          | D          |
|-----------------|------------------|------------|------------|------------|
| 08              | ILS 233'(200')   | 233'(200') | 233'(200') | 233'(200') |
|                 | FULL R550m       | R550m      | R550m      | R550m      |
|                 | Limited R750m    | R750m      | R750m      | R750m      |
|                 | ALS out R1200m   | R1200m     | R1200m     | R1200m     |
|                 | LOC NOT AUTH     | NOT AUTH   | NOT AUTH   | NOT AUTH   |
|                 | NDB ① 430'(397') | 430'(397') | 430'(397') | 430'(397') |
|                 | R1100m           | R1100m     | R1200m     | R1200m     |
|                 | ALS out R1800m   | R1800m     | R1800m     | R1800m     |
| 26              | ILS 249'(200')   | 249'(200') | 249'(200') | 249'(200') |
|                 | FULL R550m       | R550m      | R550m      | R550m      |
|                 | Limited R750m    | R750m      | R750m      | R750m      |
|                 | ALS out R1200m   | R1200m     | R1200m     | R1200m     |
|                 | LOC NOT AUTH     | NOT AUTH   | NOT AUTH   | NOT AUTH   |
|                 | NDB ① 420'(371') | 420'(371') | 420'(371') | 420'(371') |
|                 | R1000m           | R1000m     | R1200m     | R1200m     |
|                 | ALS out R1700m   | R1700m     | R1700m     | R1700m     |

① Continuous Descent Final Approach.

| CIRCLE-TO-LAND ②       | 100 KT                              | 135 KT                              | 180 KT                               | 205 KT                               |
|------------------------|-------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|
| After apch to rwy 08 ③ | 530'(497')<br>ceiling 200m - V1600m | 760'(727')<br>ceiling 450m - V4000m | 990'(957')<br>ceiling 450m - V4000m  | 990'(957')<br>ceiling 450m - V4000m  |
| After apch to rwy 26 ④ | 550'(501')<br>ceiling 200m - V1600m | 780'(731')<br>ceiling 450m - V4000m | 1010'(961')<br>ceiling 450m - V4000m | 1010'(961')<br>ceiling 450m - V4000m |

② Prohibited South of airport.

③ Circling height based on threshold elev of 33'.

④ Circling height based on threshold elev of 49'.

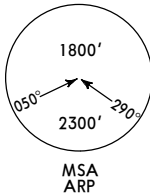
⑤ or higher minimums of preceding straight-in approach.

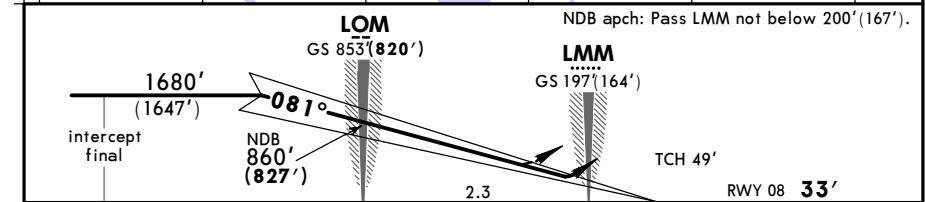
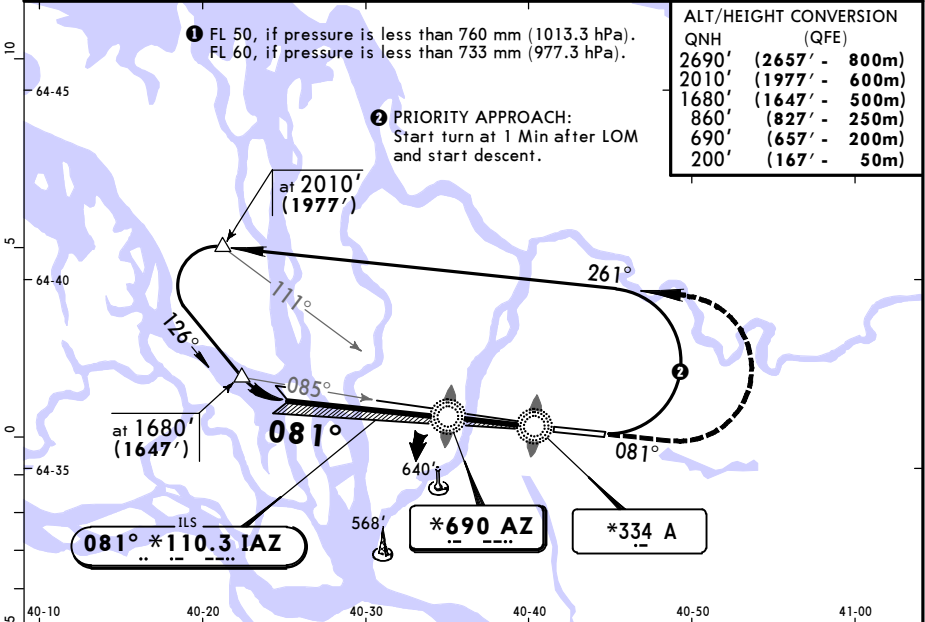
| TAKE-OFF RWY 08, 26      |                          |                   |
|--------------------------|--------------------------|-------------------|
| LVP must be in Force     |                          |                   |
| RCLM (DAY only)<br>or RL | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
| A                        | 400m                     | 500m              |
| B                        |                          |                   |
| C                        |                          |                   |
| D                        | 300m                     |                   |

ULAA/ARH  
TALAGI

JEPPESEN  
5 JUN 15 (11-1)

ARKHANGELSK, RUSSIA  
ILS or 2 NDB Rwy 08

|                 |                                                                                                                         |                           |                                  |                             |                                                              |                                                                                   |  |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|--|
| BRIEFING STRIP™ | *ATIS<br>130.67 (Russian 126.67)                                                                                        |                           | *ARKHANGELSK Approach<br>122.0   |                             | ARKHANGELSK Tower<br>(also Approach outside APP hr)<br>121.8 |                                                                                   |  |
|                 | LOC<br>IAZ<br>*110.3                                                                                                    | Final<br>Apch Crs<br>081° | GS<br>LOM<br>853'(820')          | ILS<br>DA(H)<br>233'(200')  | Apt Elev 62'<br><br>RWY 33'                                  |  |  |
|                 | NDB<br>AZ<br>*690                                                                                                       |                           | Minimum Alt<br>LOM<br>860'(827') | NDB<br>MDA(H)<br>430'(397') |                                                              |                                                                                   |  |
|                 | MISSED APCH: Climb on 081° to 690' (657'), then turn LEFT onto 261° climbing to 2010' (1977'), then according to chart. |                           |                                  |                             |                                                              |                                                                                   |  |
|                 | Alt Set: MM (hPa on req)      QNH on req (QFE)      Trans level: FL 40 1      Trans alt: 2690' (2657')                  |                           |                                  |                             |                                                              |                                                                                   |  |



|                             |       |     |     |     |     |     |       |                |      |      |               |
|-----------------------------|-------|-----|-----|-----|-----|-----|-------|----------------|------|------|---------------|
| Gnd speed-Kts               | 70    | 90  | 100 | 120 | 140 | 160 | HIALS | 690' (657') on | 081° | 261° | 2010' (1977') |
| ILS GS or<br>NDB Desc Angle | 2.67° | 331 | 425 | 472 | 567 | 661 | 756   | PAP            | 081° | 261° | 2010' (1977') |

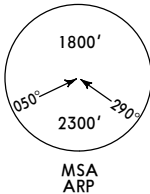
| STRAIGHT-IN LANDING RWY 08 |  |                 |  | CEILING REQUIRED         |  | CIRCLE-TO-LAND 1               |                           |
|----------------------------|--|-----------------|--|--------------------------|--|--------------------------------|---------------------------|
| ILS<br>DA(H) 233'(200')    |  | LOC<br>(GS out) |  | NDB<br>MDA(H) 430'(397') |  | Prohibited South<br>of airport |                           |
| FULL                       |  | ALS out         |  | ALS out                  |  | Max<br>Kts                     | MDA(H) CEIL-VIS           |
| A                          |  | B               |  | C                        |  | 100                            | 530'(497') 200m - 1600m 2 |
| B                          |  | C               |  | D                        |  | 135                            | 760'(727') 450m - 4000m   |
| C                          |  | D               |  | E                        |  | 180                            | 990'(957') 450m - 4000m   |
| D                          |  | E               |  | F                        |  | 205                            |                           |

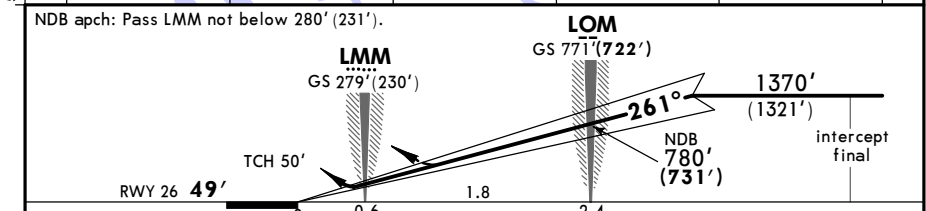
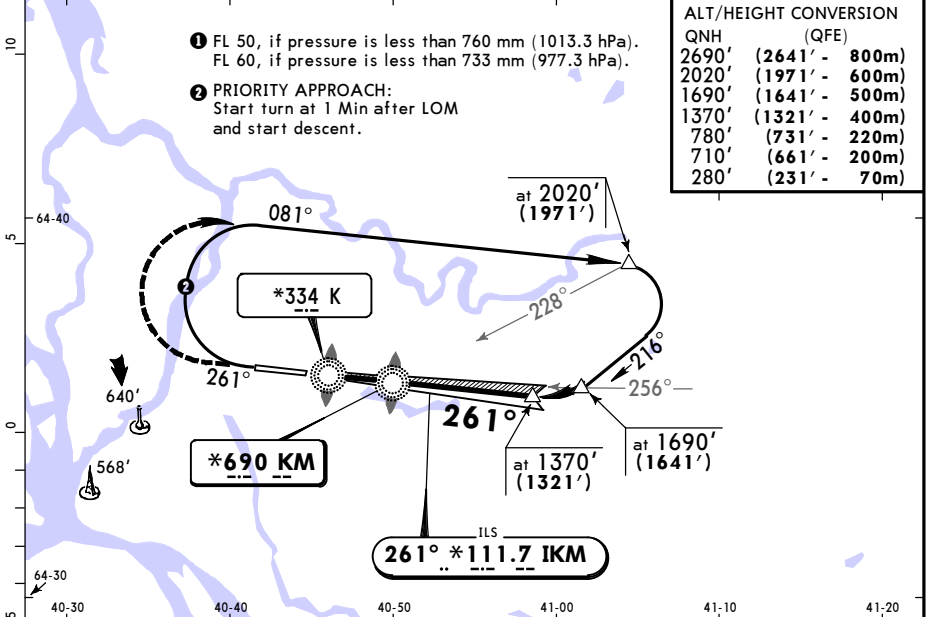
ULAA/ARH  
TALAGI

JEPPesen  
5 JUN 15 (11-2)

ARKHANGELSK, RUSSIA  
ILS or 2 NDB Rwy 26

BRIEFING STRIP™

|                                                                                                                        |                           |                                  |                             |                                                              |                                                                                   |
|------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|-----------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------|
| *ATIS<br>130.67<br>(Russian 126.67)                                                                                    |                           | *ARKHANGELSK Approach<br>122.0   |                             | ARKHANGELSK Tower<br>(also Approach outside APP hr)<br>121.8 |                                                                                   |
| LOC<br>IKM<br>*111.7                                                                                                   | Final<br>Apch Crs<br>261° | GS<br>LOM<br>771'(722')          | ILS<br>DA(H)<br>249'(200')  | Apt Elev 62'<br>RWY 49'                                      |  |
| NDB<br>KM<br>*690                                                                                                      |                           | Minimum Alt<br>LOM<br>780'(731') | NDB<br>MDA(H)<br>420'(371') |                                                              |                                                                                   |
| MISSED APCH: Climb on 261° to 710'(661'), then turn RIGHT onto 081° climbing to 2020'(1971'), then according to chart. |                           |                                  |                             |                                                              |                                                                                   |
| Alt Set: MM (hPa on req)                                                                                               |                           | QNH on req (QFE)                 |                             | Trans level: FL 40 ① Trans alt: 2690'(2641')                 |                                                                                   |



|                                   |     |     |     |     |     |     |       |                     |      |               |
|-----------------------------------|-----|-----|-----|-----|-----|-----|-------|---------------------|------|---------------|
| Gnd speed-Kts                     | 70  | 90  | 100 | 120 | 140 | 160 | HIALS | 710' (661') on 261° | 081° | 2020' (1971') |
| ILS GS or<br>NDB Desc Angle 2.67° | 331 | 425 | 472 | 567 | 661 | 756 | PAP   |                     | RT   |               |

| STRAIGHT-IN LANDING RWY 26 |                      |         |                 |                          | CEILING REQUIRED |                             | CIRCLE-TO-LAND 1 |                |
|----------------------------|----------------------|---------|-----------------|--------------------------|------------------|-----------------------------|------------------|----------------|
| ILS<br>DA(H) 249'(200')    |                      |         | LOC<br>(GS out) | NDB<br>MDA(H) 420'(371') |                  | Prohibited South of airport |                  |                |
| FULL                       |                      | ALS out |                 | ALS out                  |                  | Max Kts                     | MDA(H)           | CEIL-VIS       |
| A                          | RVR 720m<br>VIS 800m | 1200m   | NOT AUTH        | 1300m                    | 2100m            | 100                         | 550'(501')       | 200m - 1600m 2 |
| B                          |                      |         |                 |                          |                  | 135                         | 780'(731')       | 450m - 4000m   |
| C                          |                      |         |                 | 180                      |                  | 1010'(961') 450m - 4000m    |                  |                |
| D                          |                      |         |                 | 205                      |                  |                             |                  |                |

**Chart changes since cycle 12-2016**

ADD = added chart, REV = revised chart, DEL = deleted chart.

| ACT                          | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|------------------------------|-----------------|-------|----------|----------|
| ARKHANGELSK, (TALAGI - ULAA) |                 |       |          |          |

## **TERMINAL CHART CHANGE NOTICES**

### **No Chart Change Notices for Airport ULAA**