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Changed chart(s) since Disc 23-2009

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

| ACT | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|-----|-----------------|-------|----------|----------|
|-----|-----------------|-------|----------|----------|

No revision activity since Disc 23-2009

**TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UKCM**

General Info

Mariupol', UKR  
N 47° 04.6' E 37° 27.0' Mag Var: 5.8°E  
Elevation: 251'

Public, IFR, Control Tower, Customs

Time Zone Info: GMT+2:00 uses DST

Runway Info

Runway 02-20 8425' x 138' asphalt

Runway 02 (15.0°M) TDZE 236'  
Lights: Edge, ALS

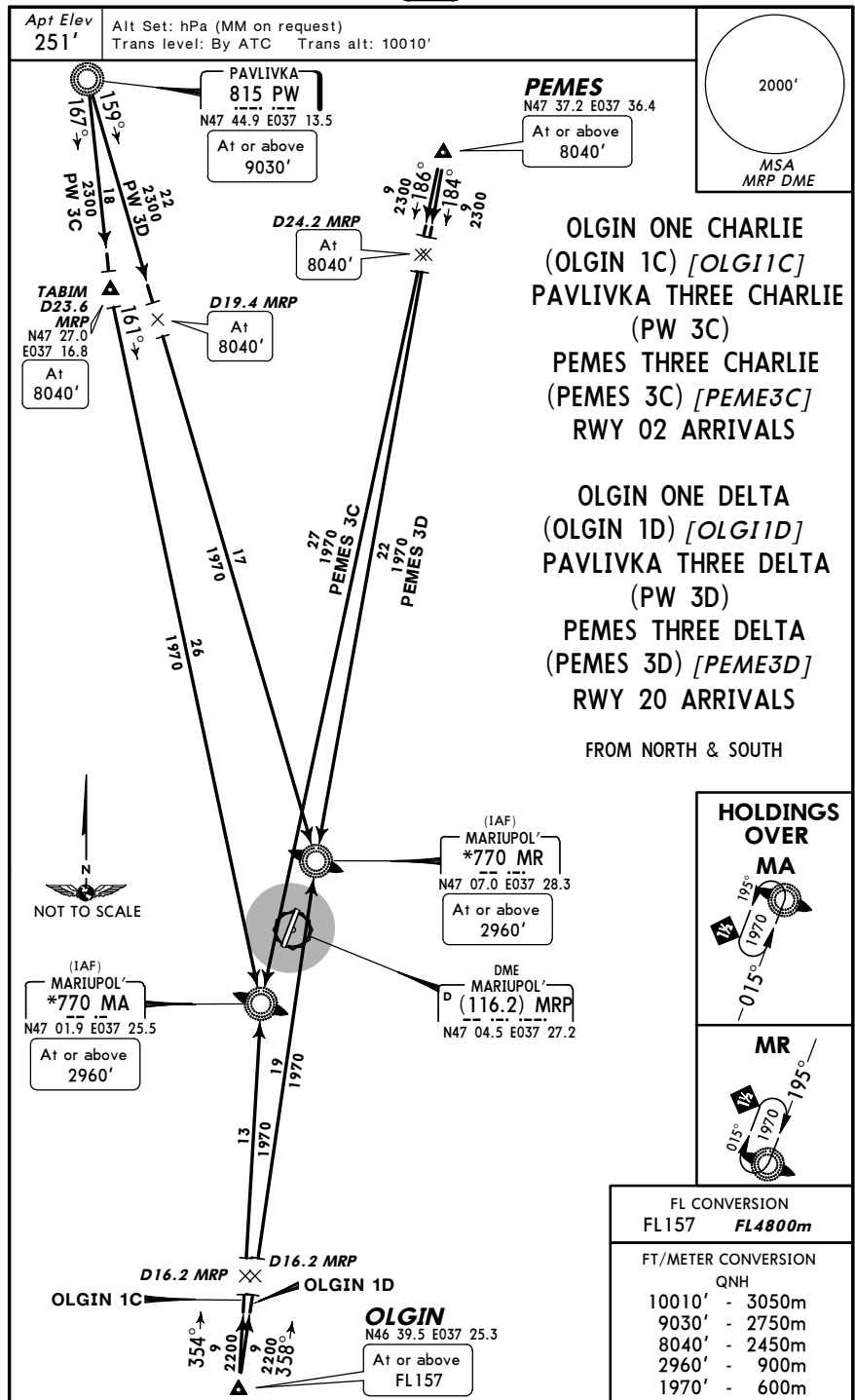
Runway 20 (195.0°M) TDZE 246'  
Lights: Edge, ALS  
Right Traffic

Communications Info

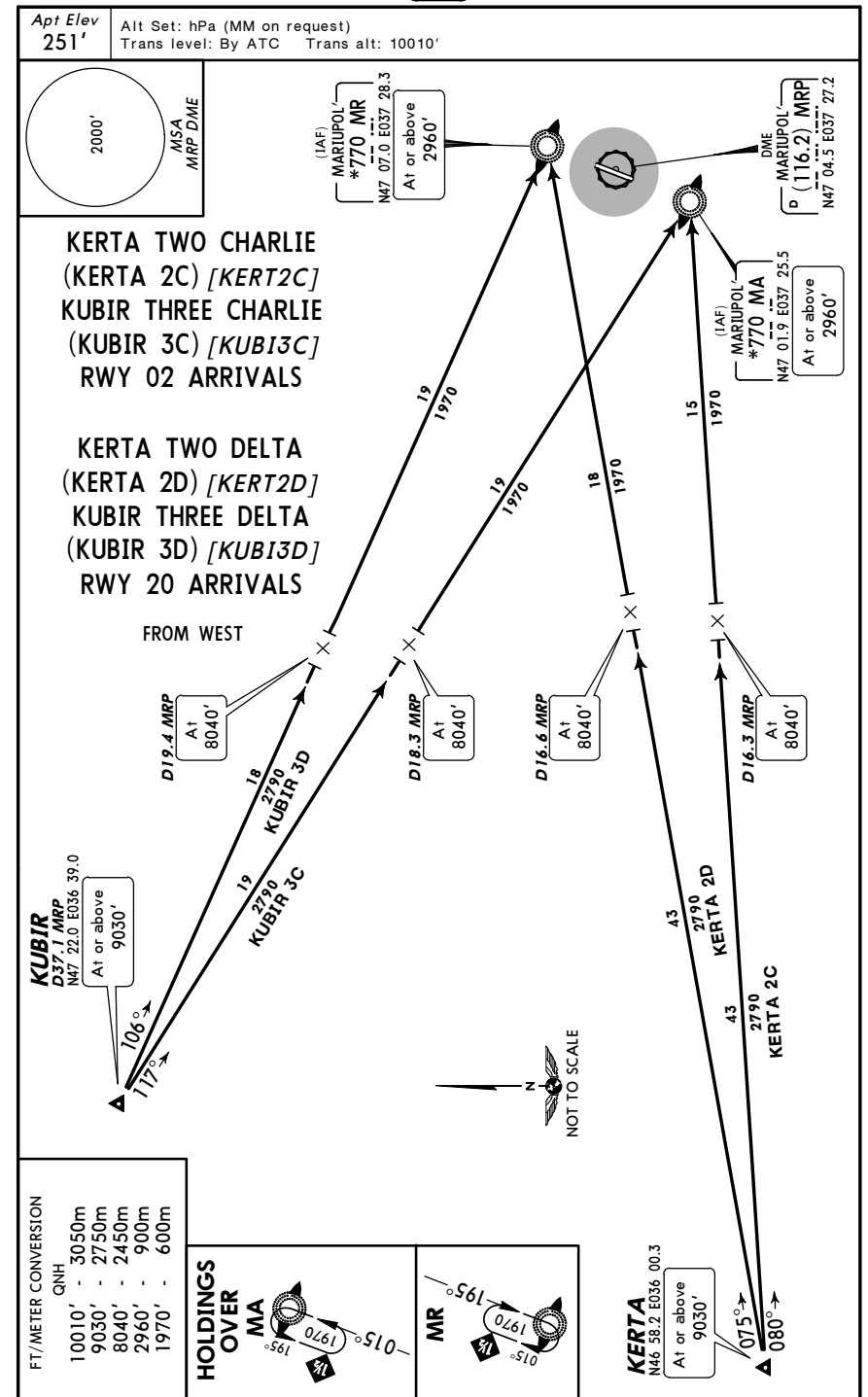
Mariupol' Tower 130.1

Notebook Info

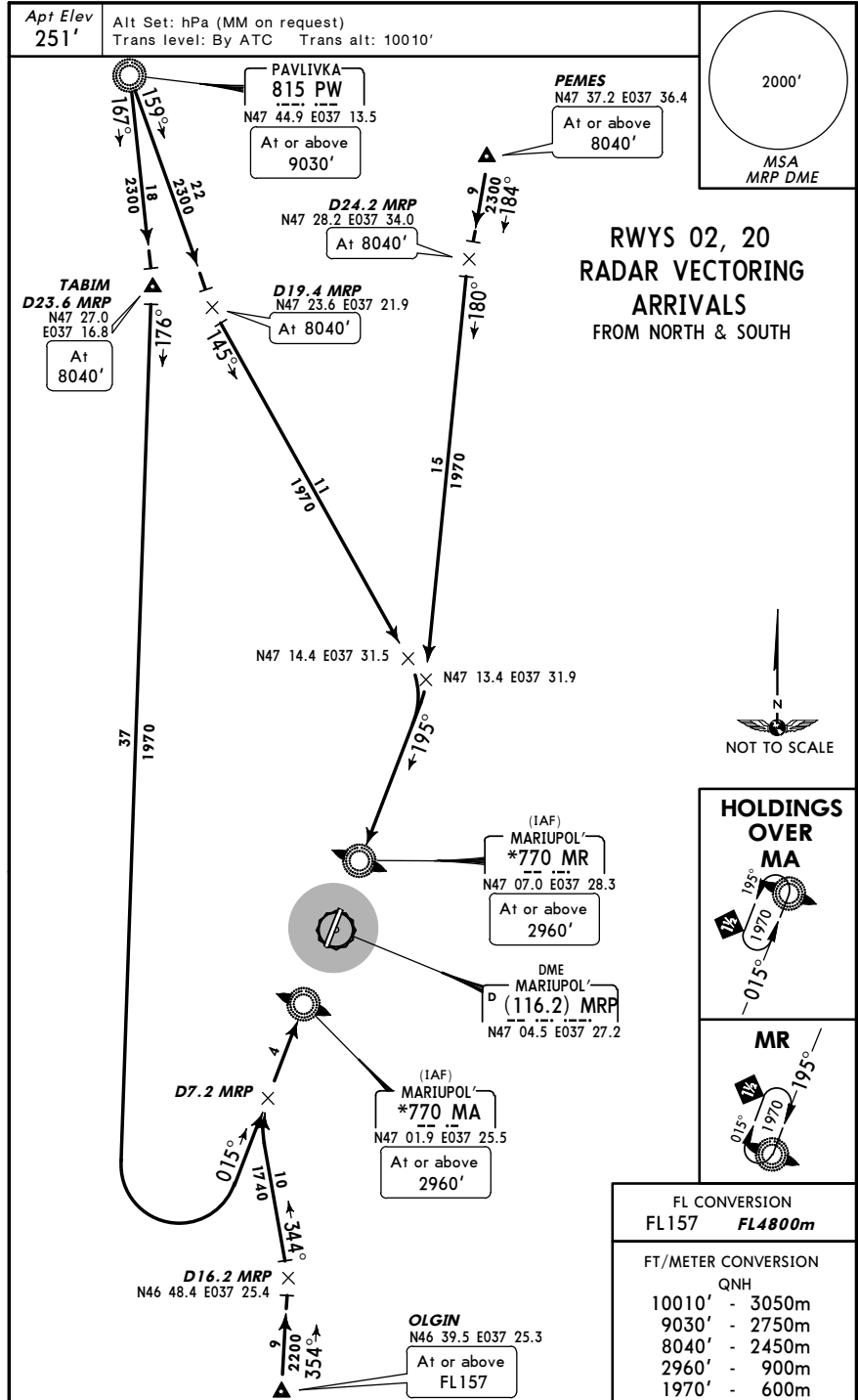
UKCM MARIUPOL' INTL 12 OCT 07 (10-2) Eff 25 Oct STAR



UKCM MARIUPOL' INTL 12 OCT 07 (10-2A) Eff 25 Oct STAR



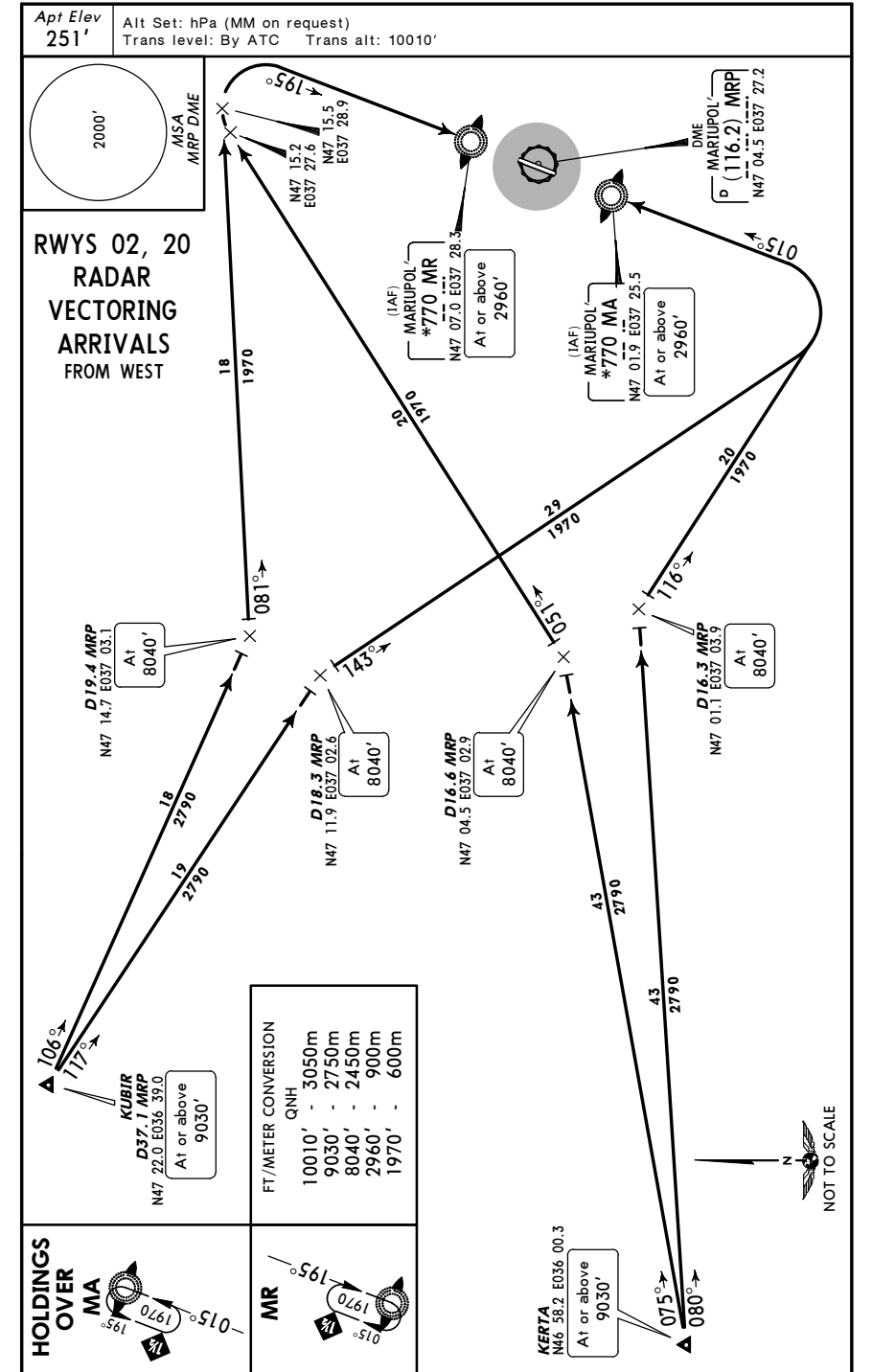
UKCM MARIUPOL' INTL 11 JAN 08 10-2B Eff 17 Jan RADAR STAR



CHANGES: Arrivals Rwy 20 revised.

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UKCM MARIUPOL' INTL 11 JAN 08 10-2C Eff 17 Jan RADAR STAR

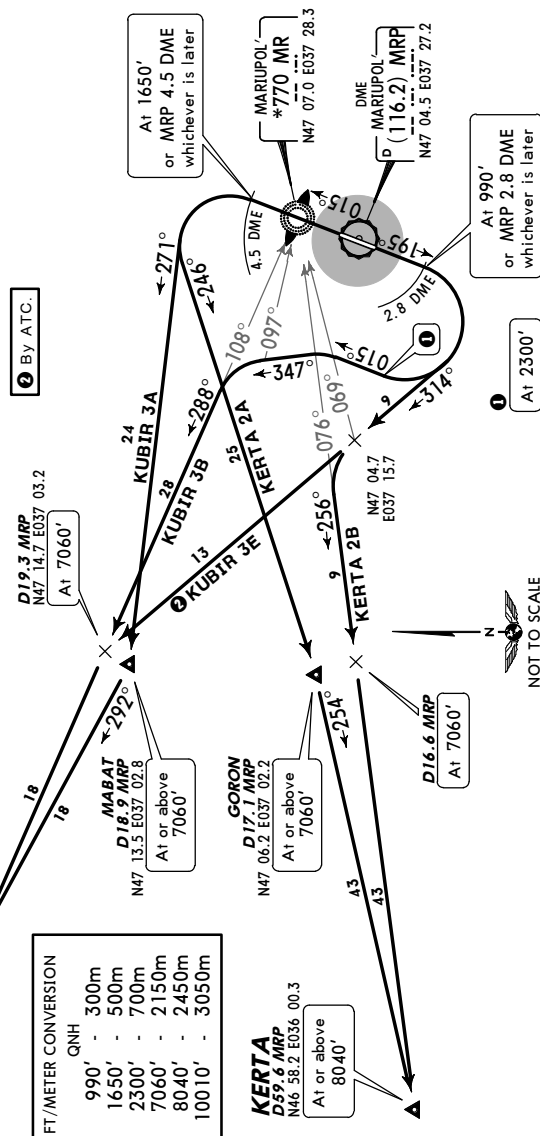


CHANGES: Arrivals Rwy 20 revised.

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## SID

| SID           | RWY | ROUTING                                                                                                                                                                                                        |
|---------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KERTA 2A      | 02  | Climb on 015° track to 1650' or MRP 4.5 DME, whichever is later, turn LEFT, 246° track to GORON, turn RIGHT, 254° track to KERTA.                                                                              |
| KERTA 2B      | 20  | Climb on 195° track to 990' or MRP 2.8 DME, whichever is later, turn RIGHT, 314° track, at 069° bearing to MR turn LEFT, intercept 256° bearing from MR to KERTA.                                              |
| KUBIR 3A      | 02  | Climb on 015° track to 1650' or MRP 4.5 DME, whichever is later, turn LEFT, 271° track to MABAT, turn RIGHT, 292° track to KUBIR.                                                                              |
| KUBIR 3B      | 20  | Climb on 195° track to 990' or MRP 2.8 DME, whichever is later, turn RIGHT, 015° track, at 069° bearing to MR turn LEFT, 347° track, at 097° bearing to MR turn LEFT, intercept 288° bearing from MR to KUBIR. |
| KUBIR 3E<br>② |     | Climb on 195° track to 990' or MRP 2.8 DME, whichever is later, turn RIGHT, 314° track, at D19.3 MRP turn LEFT, intercept 288° bearing from MR to KUBIR.                                                       |



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## SID

2000'

*MSA*  
*MRP DME*

At 2300'

At 990' or MRP 2.8 DME whichever is later

At 2960' or MRP 7.7 DME whichever is later

At 4930'

At 4930'

At or above FL148

OLGIN 1A  
7.7 DME

OLGIN 1B  
2.8 DME

MARIUPO' \*770 MR  
N47 07.0 E037 28.3

MARIUPO' (116.2) MRP  
N47 04.5 E037 27.2

MARIUPO' \*770 MA  
N47 01.9 E037 25.5

OLGIN  
D25.1 MRP  
N46 39.5 E037 25.3

167°

105°

015°

015°

178°

195°

174°

22°

26°

28°

FT/M

2

2

4

10

FL

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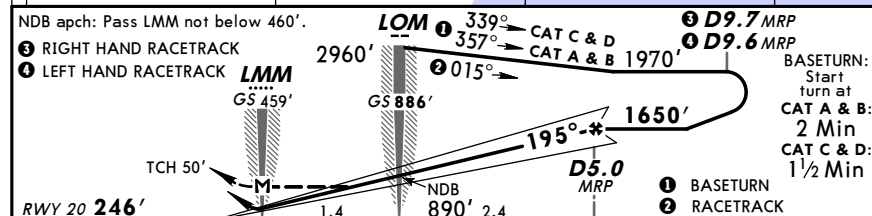
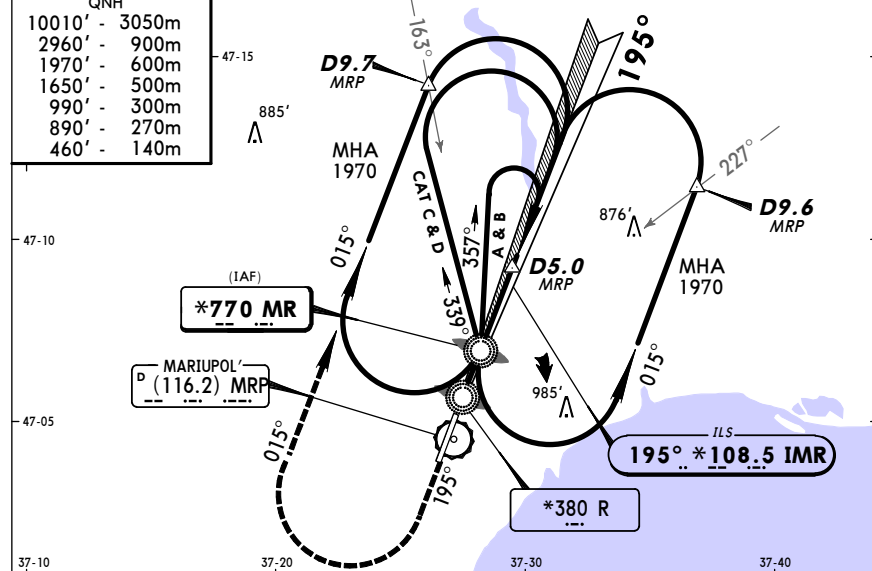
UKCM MARIUPOL' INTL  
MARIUPOL' INTL  
21 AUG 09 11-1 Eff 27 Aug ILS or NDB Rwy 20

BRIEFING STRIP

| MARIUPOL' Tower                                                                                         |                            |                                          |                                               |               |                  |
|---------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------|-----------------------------------------------|---------------|------------------|
| 130.1                                                                                                   |                            |                                          |                                               |               |                  |
| LOC<br>IMR<br>*108.5                                                                                    | Final<br>Aptch Crs<br>195° | GS<br>LOM<br>886' (640')                 | ILS<br>DA(H)<br>446' (200')                   | Apt Elev 251' | <div>2000'</div> |
| NDB<br>MR<br>*770                                                                                       |                            | Minimum Alt<br>D5.0 MRP<br>1650' (1404') | NDB<br>MDA(H)<br>(CONDITIONAL)<br>610' (364') | RWY 246'      |                  |
| MISSED APCH: Climb on 195° to 990', then turn RIGHT on 015° climbing to 1970', then according to chart. |                            |                                          |                                               |               | MSA<br>MRP DME   |

Alt Set: hPa (MM on req) Rwy Elev: 9 hPa Trans level: By ATC Trans alt: 10010'

| FT/METER CONVERSION |  |
|---------------------|--|
| QNH                 |  |
| 10010' - 3050m      |  |
| 2960' - 900m        |  |
| 1970' - 600m        |  |
| 1650' - 500m        |  |
| 990' - 300m         |  |
| 890' - 270m         |  |
| 460' - 140m         |  |



| Gnd speed-Kts                         | 70  | 90  | 100 | 120 | 140 | 160 | HIALS | 990' on 195° | 015° | 1970' |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-------|--------------|------|-------|
| ILS GS 3.00° or<br>NDB Desc Grad 5.2% | 377 | 484 | 538 | 646 | 753 | 861 | PAPI  |              | RT   |       |
| MAP at LMM                            |     |     |     |     |     |     |       |              |      |       |

| JAR-OPS           |  | STRAIGHT-IN LANDING RWY 20 |  | CIRCLE-TO-LAND |  |
|-------------------|--|----------------------------|--|----------------|--|
| ILS               |  | NDB                        |  | Not authorized |  |
| DA(H) 446' (200') |  | 610' (364')                |  | East of apt    |  |
| FULL              |  | ALS out                    |  | East of apt    |  |
| A                 |  | RVR 1200m                  |  | 680' (429')    |  |
| B                 |  | RVR 1300m                  |  | 940' (689')    |  |
| C                 |  | RVR 1400m                  |  | 1040' (789')   |  |
| D                 |  | RVR 1600m                  |  | 1040' (789')   |  |

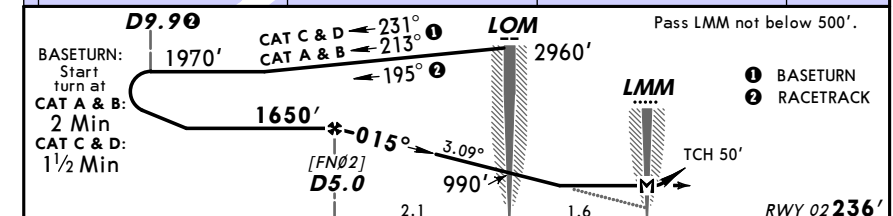
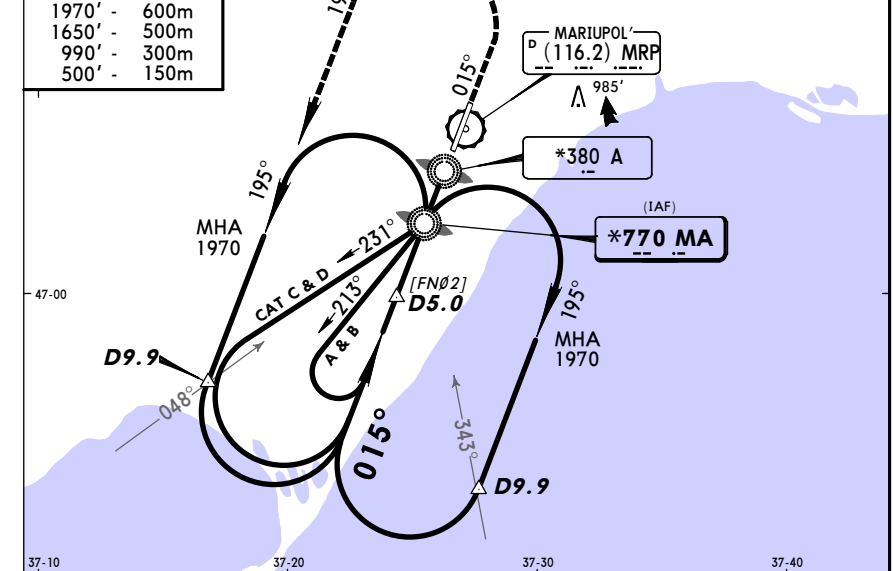
UKCM MARIUPOL' INTL  
MARIUPOL' INTL  
21 AUG 09 16-1 Eff 27 Aug NDB Rwy 02

BRIEFING STRIP <sup>TM</sup>

| MARIUPOL' Tower                                                                                        |                                                 |                                                           |                                     |                                                       |                  |             |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-------------------------------------|-------------------------------------------------------|------------------|-------------|
| 130.1                                                                                                  |                                                 |                                                           |                                     |                                                       |                  |             |
| <i>NDB</i><br><i>MA</i><br><b>*770</b>                                                                 | <i>Final</i><br><i>Aptch Crs</i><br><b>015°</b> | <i>Minimum Alt</i><br><i>D5.0</i><br><b>1650'</b> (1414') | <i>MDA(H)</i><br><b>580'</b> (344') | <i>Apt Elev</i> <b>251'</b><br><i>RWY</i> <b>236'</b> | <div>2000'</div> |             |
| MISSED APCH: Climb on 015° to 990', then turn LEFT on 195° climbing to 1970', then according to chart. |                                                 |                                                           |                                     |                                                       |                  |             |
| Alt Set: hPa (MM on req) Rwy Elev: 9 hPa Trans level: By ATC Trans alt: 10010'                         |                                                 |                                                           |                                     |                                                       |                  |             |
| FT/METER CONVERSION                                                                                    |                                                 |                                                           |                                     |                                                       | 247.10           | MSA MRP DME |

FT/METER CONVERSION QNH

|                |
|----------------|
| 10010' - 3050m |
| 2960' - 900m   |
| 1970' - 600m   |
| 1650' - 500m   |
| 990' - 300m    |
| 500' - 150m    |



| Gnd speed-Kts                                | 70  | 90  | 100 | 120 | 140 | 160 | HIALS | 990' on 015° | 195° | 1970' |
|----------------------------------------------|-----|-----|-----|-----|-----|-----|-------|--------------|------|-------|
| Descent grad 5.40° or<br>Descent angle 3.09° | 383 | 492 | 547 | 656 | 765 | 875 | PAPI  |              | LT   |       |
| MAP at LMM                                   |     |     |     |     |     |     |       |              |      |       |

| JAR-OPS            |  | STRAIGHT-IN LANDING RWY 02 |  | CIRCLE-TO-LAND |  |
|--------------------|--|----------------------------|--|----------------|--|
| MDA(H) 580' (344') |  | ALS out                    |  | Not authorized |  |
| A                  |  | RVR 900m                   |  | 680' (429')    |  |
| B                  |  | RVR 1000m                  |  | 940' (689')    |  |
| C                  |  | RVR 1200m                  |  | 1040' (789')   |  |
| D                  |  | RVR 1400m                  |  | 1040' (789')   |  |