

**NDB LIST CLE No. 93** 420 - 439.9 kHz 6 - 9 July 2007, midday-midday local time

**COMBINED RESULTS**

**EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

|     |           |  |
|-----|-----------|--|
| CZE | <b>fr</b> | Frantisek Müller, Praha                      |
| CZE | <b>vd</b> | Vaclav Dosoudil, Kvasice                     |
| CZE | <b>ze</b> | Zdenek Elias, Jablonec nad Nisou, N. Bohemia |
| DEU | <b>cm</b> | Christoph Mayer, Neustrelitz                 |
| DEU | <b>hw</b> | Hartmut Wolff, Near Wolfsburg                |
| DEU | <b>mz</b> | Matthias Zwoch, Arnsdorf, Nr.Dresden         |
| ENG | <b>ag</b> | Alan Gale, Lancashire                        |
| ENG | <b>bk</b> | Brian Keyte, Bookham, Surrey                 |
| ENG | <b>ds</b> | David Atkins, Abbots Langley                 |
| ENG | <b>mt</b> | Mike Trodd, Yapton, Nr Arundel, W Sussex     |
| ENG | <b>py</b> | Peter Conway, Hastings                       |
| ENG | <b>tm</b> | Tony Moore, Nr.Redcar, Cleveland             |
| FIN | <b>te</b> | Torre Ekblom, Ristiina                       |
| GSY | <b>lr</b> | Lionel Roithmeir, Guernsey                   |
| HOL | <b>fg</b> | Frank van Gerwen, Bakkum-Noord               |
| HOL | <b>ft</b> | Frank Thijs, Hoeven                          |
| HOL | <b>rb</b> | Roelof Bakker, Zeeland, SW Netherlands       |
| IRL | <b>fo</b> | Finbar O'Connor, Malin Head (Trawbreaga Bay) |
| SWE | <b>bn</b> | Bo Nensen, Hanabäckliden, Örnköldsvik        |
| SWE | <b>tn</b> | Torbjorn Ericson, Nyköping                   |
| SWE | <b>wr</b> | Willi Reppel, Falkenberg                     |

For full details, please see the individual reporters' logs,  
as previously posted by them to the List.  
If you spot an omission or problem in your own details below  
please let me know ( cle(at)beaconworld.org.uk )

**BEACONS HEARD:**

**Beacons are shown in kHz order within each country**

UNIDs and Offshore NDBs appear at the end of the list.

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

(e.g. 21 indicates logged between 21:00-21:59).

| Cou | kHz   | Call | Location              | CZE fr | CZE vd | CZE ze | DEU cm | DEU hw | DEU mz | ENG ag | ENG bk | ENG ds | ENG mt | ENG py | ENG tm | FIN te | GSY lr | HOL fg | HOL ft | HOL rb | IRL fo | SWE bn | SWE tn | SWE wr |
|-----|-------|------|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ALG | 423   | BJA  | Bejaia Soummam        |        |        |        |        | 23     |        |        |        |        |        | 23     |        |        |        |        |        | 20     |        |        |        |        |
| ALG | 432   | HMB  | Hammam Bou Hadjar     |        |        |        |        | 22     |        |        |        |        | 20     | 0      |        |        |        |        |        |        |        |        |        |        |
| ALG | 435   | IGZ  | In Guezzam            |        |        |        |        | 2      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| AUT | 420   | INN  | Innsbruck             | 20     | 21     | 22     | 0      | 20     | 0      | 1      |        | 0      |        | 0      |        |        |        | 22     |        | 22     | 22     |        |        |        |
| AUT | 426   | GBG  | Gleichenberg          | 20     | 21     | 22     | 23     | 19     | 0      | 2      |        | 2      | 21     | 22     |        |        |        | 0      | 23     | 22     | 22     |        | 22     | 21     |
| BEL | 431   | ONT  | Kleine Brogel         |        |        |        |        | 20     |        | 2      |        | 0      | 23     | 18     |        |        |        | 19     | 15     | 10     |        |        |        | 22     |
| BIH | 425   | DNC  | Mostar                | 21     | 21     | 21     |        | 20     | 23     |        |        |        |        | 23     |        |        |        | 23     | 1      | 22     |        |        |        | 23     |
| CZE | 422   | UR   | Hradec Kralove        | 13     | 21     | 22     | 23     | 19     | 0      | 2      |        | 1      |        | 23     |        |        |        | 22     | 23     | 22     | 22     | 21     | 22     | 20     |
| CZE | 429   | B    | Brno Turany Borek     | 22     | 21     |        | 20     | 20     | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| CZE | 429   | D    | Praha Dejvice         | 13     |        | 22     | 0      | 19     | 0      |        |        |        |        |        |        |        |        |        | 1      | 22     | 21     |        | 23     | 21     |
| CZE | 432   | PK   | Pardubice Prvek       | 13     | 21     | 22     | 0      | 19     | 0      |        |        |        |        | 0      |        |        |        | 1      |        |        | 21     |        | 22     | 22     |
| CZE | 434   | KNE  | Kunovice              | 0      | 21     |        | 20     | 22     | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 23     |
| CZE | 438   | K    | Praha Kbely           | 13     |        | 22     | 23     | 21     | 0      |        |        |        |        | 23     |        |        |        | 22     | 0      |        | 21     |        | 23     | 22     |
| DEU | 420   | BAZ  | Bayreuth              | 20     | 1      | 19     | 23     | 19     | 23     |        |        |        |        | 23     |        |        |        |        | 0      | 21     |        |        | 23     | 21     |
| DEU | 425   | ERT  | Erfurt                | 21     |        | 22     | 16     | 19     | 0      | 2      |        |        |        | 22     |        |        |        | 22     | 0      | 20     |        |        | 23     | 20     |
| DEU | 426.5 | MIQ  | Mike for Ingolstadt   | 21     | 21     | 21     | 23     | 20     | 0      |        |        | 2      | 2      | 22     |        |        |        | 23     | 23     | 20     | 22     |        | 23     | 21     |
| DEU | 427   | BRU  | Braunschweig          |        |        |        | 19     | 19     | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 0      |
| DEU | 429   | GBL  | Giebelstadt           |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 8      |
| DEU | 429   | OBI  | Oberpfaffenhofn       |        |        |        |        | 22     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| DEU | 431   | KBA  | Karlsruhe Baden Bades |        |        |        | 20     | 20     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| DEU | 432   | HNU  | Hanau                 | 23     |        | 20     | 19     | 20     | 0      | 2      |        |        | 23     | 21     |        |        |        |        |        | 21     |        |        |        | 21     |
| DEU | 432   | RO   | Rothenburg            |        |        | 21     | 19     | 22     | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        | 22     | 21     |
| DEU | 434   | SK   | Leipzig Halle         | 21     |        | 20     | 23     | 19     | 0      | 1      |        |        | 23     | 0      |        |        |        | 1      | 2      |        | 21     | 22     | 22     | 22     |
| DNK | 423   | FE   | Odense                | 22     | 1      | 20     | 16     | 20     | 0      | 2      |        |        | 2      | 22     | 7      |        |        | 18     | 23     | 10     | 22     | 21     | 22     | 15     |

|     |       |     |                        |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-------|-----|------------------------|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| ENG | 420   | BPL | Blackpool              |    |   |    |    |    | 18 |    |    | 2  |    | 7  |    |    |    | 12 |    |    |    |    |    |
| ENG | 421   | BUR | Burnham                |    |   |    |    |    | 18 | 12 | 23 | 11 | 15 | 23 |    | 22 | 18 | 12 | 10 | 12 |    |    |    |
| ENG | 423   | CWL | Cranwell               |    |   |    | 1  |    | 2  | 12 | 1  |    | 18 | 19 |    |    | 18 | 12 | 10 |    |    |    |    |
| ENG | 428   | MCH | Manchester             |    |   |    |    |    | 18 | 12 | 2  |    | 23 | 16 |    |    |    | 0  | 22 | 12 |    |    |    |
| ENG | 429   | SSD | Stanstead              |    |   |    | 22 |    | 2  | 12 |    | 11 | 18 | 15 |    |    | 18 | 15 | 10 | 21 |    |    |    |
| ENG | 430   | NOT | Nottingham             |    |   |    |    |    | 2  | 12 | 3  |    | 21 |    |    |    |    | 2  |    |    |    |    |    |
| ENG | 433.5 | HEN | Henton                 |    |   |    | 0  |    | 2  | 12 | 0  | 11 | 18 | 15 |    | 23 | 19 | 15 | 10 | 12 |    |    |    |
| ESP | 420   | SPP | Sevilla                |    |   |    |    |    | 2  |    |    | 2  | 22 |    |    |    |    |    | 22 |    |    |    |    |
| ESP | 421   | GE  | Madrid Getafe          |    |   |    | 1  |    | 23 |    | 23 | 21 | 22 |    |    |    | 21 |    | 20 | 22 |    |    |    |
| ESP | 422   | PAM | Pamplona               |    |   |    |    |    | 2  |    |    |    | 21 |    |    |    |    |    | 20 |    |    |    |    |
| ESP | 423   | SCA | Salamanca              |    |   |    | 0  |    | 1  |    |    | 2  | 23 |    |    |    | 22 | 3  | 22 | 21 |    |    |    |
| ESP | 424   | RUS | Reus                   | 0  |   |    | 23 | 20 |    |    |    | 21 | 23 |    |    |    | 23 |    | 22 | 21 |    |    |    |
| ESP | 426   | TJA | Madrid Torrejon de Ar  |    |   |    |    |    | 2  |    | 23 | 2  | 23 |    |    |    |    |    | 22 | 21 |    |    |    |
| ESP | 428   | MNF | Moron de la Frontera   |    |   |    |    |    | 2  |    | 2  | 22 | 22 |    |    |    |    | 2  | 22 | 21 |    |    |    |
| ESP | 433   | JER | Jerez                  |    |   |    |    |    | 23 |    | 2  | 21 | 22 |    |    | 23 |    |    |    | 21 |    |    |    |
| ESP | 433   | VON | Vigo                   |    |   |    |    |    | 1  |    | 0  | 1  | 0  |    |    |    |    |    | 22 | 21 |    |    |    |
| EST | 432   | G   | Amari                  | 23 |   | 22 | 23 | 21 | 0  | 23 |    | 0  | 22 |    | 22 |    |    | 0  | 21 | 23 | 21 | 22 | 22 |
| FIN | 432   | AKU | Ivalo                  |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 21 |    |    |    |
| FRA | 420   | LMT | Auch                   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 22 |    |    |    |
| FRA | 424   | LOE | Limoges                |    |   |    |    |    | 2  |    |    | 20 | 20 |    |    |    |    |    | 22 | 21 |    |    |    |
| FRA | 424   | PHG | Phalsbourg             |    |   |    | 20 | 23 |    |    |    |    |    |    |    |    | 22 |    | 19 |    |    | 21 |    |
| FRA | 427   | AUB | Aubenas                |    |   |    |    |    |    |    |    |    | 22 |    |    |    |    |    | 21 |    |    |    |    |
| FRA | 427   | RY  | Royan                  |    |   |    |    |    |    |    |    | 3  | 22 |    |    | 23 |    |    |    | 21 |    |    |    |
| FRA | 428   | BST | Brest Lanveoc          |    |   |    |    | 1  |    |    | 12 | 0  | 11 | 18 |    | 23 |    | 0  | 19 |    |    | 22 |    |
| FRA | 428   | CTX | Chateauroux            |    |   |    | 1  | 2  |    | 2  |    | 23 | 11 | 18 |    |    |    | 2  | 10 | 21 |    |    |    |
| FRA | 428   | MUS | Nice Cote d'Azur       |    |   |    |    |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| FRA | 430   | POY | Paris Orly (temporary) |    |   |    | 20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| FRA | 430   | SN  | St. Yan                |    |   |    |    | 21 |    | 1  |    |    | 20 | 20 |    | 23 |    |    | 22 | 23 |    |    |    |
| FRA | 432   | PRD | Peyrehorade            |    |   |    | 19 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| FRA | 434   | MV  | Melun Villaroche       |    |   |    |    |    |    | 2  | 12 | 2  | 1  | 18 |    | 23 |    |    | 19 | 21 |    |    |    |
| HNG | 420   | HM  | Budapest               |    | 7 |    |    | 22 | 0  |    |    |    |    | 0  |    |    |    |    |    |    |    | 23 |    |
| HNG | 422   | O   | Szolnok                |    |   |    |    | 23 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| HNG | 430   | BUG | Bugac                  | 22 | 1 | 21 |    | 20 |    | 1  |    |    | 22 | 22 |    |    |    |    | 22 |    | 21 | 23 | 21 |
| HNG | 436   | SME | Sarmellek Balaton      | 21 | 8 |    |    | 22 |    |    |    |    | 22 | 23 |    |    |    | 1  |    |    |    |    | 23 |



|     |     |      |                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|-----|-----|------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SVK | 438 | B    | Bratislava Barka   | 21     | 22     |        | 0      | 22     | 0      |        |        |        |        | 23     |        |        |        |        |        | 22     |        |        | 23     | 22     |
| SVK | 438 | PE   | Poprad Tatry East  | 21     | 22     | 21     | 23     | 20     | 0      |        |        |        |        | 23     |        |        |        |        | 0      |        | 22     | 21     | 23     | 22     |
| SWE | 420 | SS   | Malmö Sturup       | 21     | 1      | 20     | 16     | 19     | 0      |        |        |        | 22     | 22     |        |        |        | 21     | 0      | 22     | 22     |        | 23     | 15     |
| SWE | 421 | BL   | Borlänge           | 23     |        | 21     | 23     | 21     | 0      |        |        |        |        | 22     |        | 21     |        |        |        | 21     | 22     | 20     | 22     | 23     |
| SWE | 421 | MF   | Halmstad           | 21     | 1      | 20     | 16     | 19     | 0      | 1      |        |        | 23     | 22     |        |        |        | 18     | 0      | 10     | 22     |        | 21     | 15     |
| SWE | 421 | T    | Linköping Saab     | 23     |        | 21     |        | 21     | 0      |        |        |        |        |        |        |        |        |        |        |        |        |        | 21     | 23     |
| SWE | 421 | TRU  | Trundon Luleå      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 20     |        |        |
| SWE | 425 | OU   | Umeå               |        |        |        | 23     | 23     |        |        |        |        |        |        |        | 21     |        | 22     |        |        |        | 20     | 22     | 23     |
| SWE | 427 | LUE  | Kramfors Lunde     |        |        |        | 23     | 22     |        |        |        |        |        |        |        | 21     |        |        |        |        |        | 20     | 23     | 23     |
| UKR | 430 | LI   | Lykhacheve         |        |        |        |        | 0      | 0      |        |        |        |        |        |        | 20     |        |        |        |        |        | 20     | 21     | 21     |
| UKR | 432 | BB   | Bibrka             | 23     | 21     | 23     | 0      | 20     | 0      |        |        |        |        | 0      |        | 22     |        |        |        |        |        | 21     | 22     | 21     |
| UKR | 435 | SM   | Semenivka          | 0      | 21     | 23     | 23     | 23     | 0      |        |        |        |        |        |        | 20     |        |        | 0      |        |        | 21     | 21     | 22     |
| XOE | 420 | LGS  | Conoco Loggs       |        |        |        |        | 21     |        | 1      | 12     |        |        | 15     | 23     |        |        | 18     | 12     | 10     |        |        |        |        |
| XOE | 426 | HWQ  | Arpet/Hewett Alpha |        |        |        |        | 1      |        | 2      | 12     | 23     | 22     | 18     | 19     |        |        | 18     | 12     | 10     |        |        |        |        |
| XOE | 427 | HDY  | Halfdan Platform   |        |        |        | 0      | 21     |        | 2      | 12     | 23     | 22     | 18     | 12     |        |        | 0      | 0      | 10     |        |        | 23     | 15     |
| XUE | 420 | B    | (UNID)             |        |        |        |        |        |        |        |        |        | 21     |        |        |        |        |        |        |        |        |        |        |        |
| XUE | 422 | L    | (UNID)             | 23     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| XUE | 435 | BB   | (UNID)             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 23     |
| XUE | 435 | BR   | (UNID)             |        |        |        |        | 21     | 23     |        |        |        |        | 0      |        |        |        |        | 2      | 22     |        |        |        | 22     |
| Cou | kHz | Call | Location           | CZE fr | CZE vd | CZE ze | DEU cm | DEU hw | DEU mz | ENG ag | ENG bk | ENG ds | ENG mt | ENG py | ENG tm | FIN te | GSY lr | HOL fg | HOL ft | HOL rb | IRL fo | SWE bn | SWE tn | SWE wr |

**COUNTRIES HEARD:**

This table shows the number of NDBs logged from each radio country by each reporter.

| Cou | Country            | CZE fr | CZE vd | CZE ze | DEU cm | DEU hw | DEU mz | ENG ag | ENG bk | ENG ds | ENG mt | ENG py | ENG tm | FIN te | GSY lr | HOL fg | HOL ft | HOL rb | IRL fo | SWE bn | SWE tn | SWE wr |   |
|-----|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| ALG | Algeria            |        |        |        |        | 3      |        |        |        |        | 1      | 2      |        |        |        |        |        | 1      |        |        |        |        |   |
| AUT | Austria            | 2      | 2      | 2      | 2      | 2      | 2      | 2      |        | 2      | 1      | 2      |        |        |        | 2      | 1      | 2      | 2      |        | 1      | 1      | 1 |
| BEL | Belgium            |        |        |        |        | 1      |        | 1      |        | 1      | 1      | 1      |        |        |        | 1      | 1      | 1      |        |        |        |        | 1 |
| BIH | Bosnia-Herzegovina | 1      | 1      | 1      |        | 1      | 1      |        |        |        |        | 1      |        |        |        | 1      | 1      | 1      |        |        |        |        | 1 |

|            |                   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| CZE        | Czech Rep.        | 6             | 4             | 4             | 6             | 6             | 6             | 1             |               | 1             |               | 3             |               |               |               | 3             | 3             | 2             | 4             | 1             | 4             | 5             |
| DEU        | Germany           | 5             | 2             | 6             | 8             | 9             | 7             | 3             |               | 1             | 3             | 5             |               |               |               | 3             | 4             | 4             | 2             | 1             | 5             | 8             |
| DNK        | Denmark           | 1             | 1             | 1             | 1             | 1             | 1             | 1             |               |               | 1             | 1             | 1             |               |               | 1             | 1             | 1             | 1             | 1             | 1             | 1             |
| ENG        | England           |               |               |               |               | 3             |               | 7             | 6             | 5             | 4             | 6             | 6             |               | 2             | 4             | 6             | 5             | 5             |               |               | 1             |
| ESP        | Spain             | 1             |               |               | 1             | 3             |               | 8             |               | 5             | 8             | 9             |               |               | 1             | 3             | 2             | 8             | 7             |               |               |               |
| EST        | Estonia           | 1             |               | 1             | 1             | 1             | 1             | 1             |               | 1             |               | 1             |               | 1             |               |               | 1             | 1             | 1             | 1             | 1             | 1             |
| FIN        | Finland           |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               | 1             |               |               |
| FRA        | France            |               |               |               | 4             | 5             | 1             | 4             | 2             | 3             | 6             | 7             |               |               | 4             | 1             | 2             | 7             | 6             |               |               | 2             |
| HNG        | Hungary           | 2             | 3             | 1             |               | 4             | 1             | 1             |               |               | 2             | 3             |               |               |               |               | 1             | 1             |               | 1             | 2             | 2             |
| HOL        | Netherlands       | 1             |               |               | 1             | 1             | 1             | 1             |               |               | 1             |               | 1             |               |               | 1             | 1             | 1             | 1             | 1             |               | 1             |
| HRV        | Croatia           | 6             | 5             | 6             | 5             | 6             | 6             | 1             |               | 2             | 6             | 6             |               |               | 1             | 4             | 3             | 6             | 2             | 3             | 3             | 5             |
| ITA        | Italy             | 2             | 1             | 1             | 3             | 3             | 3             | 1             |               |               | 1             | 3             |               |               |               | 1             |               | 3             | 1             | 1             |               | 2             |
| LBY        | Libya             | 1             |               |               |               | 2             | 1             | 1             |               |               |               | 2             |               |               |               | 1             | 1             | 1             | 1             |               |               | 1             |
| MKD        | Macedonia         | 1             | 1             | 1             |               | 1             | 1             |               |               |               |               |               |               |               |               |               |               |               |               |               |               | 1             |
| MNE        | Montenegro        |               | 1             |               |               | 1             | 1             |               |               |               |               | 1             |               |               |               |               |               |               |               |               |               |               |
| NIR        | Northern Ireland  |               |               |               |               |               |               | 1             |               |               |               | 1             | 1             |               |               |               |               |               | 1             |               |               |               |
| POL        | Poland            | 1             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| POR        | Portugal          |               |               |               |               |               |               | 1             |               |               | 1             | 1             |               |               |               |               | 1             | 1             | 1             |               |               |               |
| ROU        | Romania           | 1             | 1             | 1             | 1             | 1             | 2             |               |               |               | 1             | 1             |               | 1             |               | 1             | 1             | 1             |               | 2             | 2             | 1             |
| RUS        | Russia (Eu)       | 1             |               |               | 2             | 3             | 1             |               |               |               |               |               |               | 3             |               |               |               |               |               | 4             | 5             | 3             |
| SCT        | Scotland          |               |               |               |               | 2             | 2             | 2             |               | 1             | 1             | 2             | 1             |               |               | 2             | 2             | 2             | 2             |               |               | 2             |
| SRB        | Serbia            | 1             | 1             | 1             | 1             | 2             | 2             |               |               | 1             | 1             | 2             |               |               |               | 1             | 1             | 1             |               | 1             | 1             | 2             |
| SVK        | Slovakia          | 2             | 4             | 1             | 2             | 4             | 4             |               |               |               |               | 3             |               |               |               |               | 1             | 1             | 1             | 1             | 2             | 3             |
| SWE        | Sweden            | 4             | 2             | 4             | 5             | 6             | 4             | 1             |               |               | 2             | 3             |               | 3             |               | 3             | 2             | 3             | 3             | 4             | 6             | 6             |
| UKR        | Ukraine           | 2             | 2             | 2             | 2             | 3             | 3             |               |               |               |               | 1             |               | 3             |               |               | 1             |               |               | 3             | 3             | 3             |
| XOE        | Offshore - Europe |               |               |               | 1             | 3             |               | 3             | 3             | 2             | 2             | 3             | 3             |               |               | 3             | 3             | 3             |               |               | 1             | 1             |
| XUE        | (UNID)            | 1             |               |               |               | 1             | 1             |               |               |               | 1             | 1             |               |               |               |               | 1             | 1             |               |               |               | 2             |
| <b>Cou</b> | <b>Country</b>    | <b>CZE fr</b> | <b>CZE vd</b> | <b>CZE ze</b> | <b>DEU cm</b> | <b>DEU hw</b> | <b>DEU mz</b> | <b>ENG ag</b> | <b>ENG bk</b> | <b>ENG ds</b> | <b>ENG mt</b> | <b>ENG py</b> | <b>ENG tm</b> | <b>FIN te</b> | <b>GSY lr</b> | <b>HOL fg</b> | <b>HOL ft</b> | <b>HOL rb</b> | <b>IRL fo</b> | <b>SWE bn</b> | <b>SWE tn</b> | <b>SWE wr</b> |

**LISTENING TIMES:** This table shows the number of NDBs logged by each reporter during the time periods.

| UTC (hh)      | CZE fr | CZE vd | CZE ze | DEU cm | DEU hw | DEU mz | ENG ag | ENG bk | ENG ds | ENG mt | ENG py | ENG tm | FIN te | GSY lr | HOL fg | HOL ft | HOL rb | IRL fo | SWE bn | SWE tn | SWE wr |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 00:00 - 00:59 | 6      |        |        | 8      | 3      | 38     |        |        | 7      |        | 9      |        |        |        | 5      | 15     |        |        |        |        | 3      |
| 01:00 - 01:59 |        | 7      |        | 2      | 6      |        | 10     |        | 4      | 2      |        |        |        |        | 4      | 3      |        |        |        |        |        |
| 02:00 - 02:59 |        | 1      |        |        | 3      |        | 22     |        | 6      | 6      |        |        |        |        |        | 7      |        |        |        |        |        |
| 03:00 - 03:59 |        |        |        |        |        |        |        |        | 1      | 1      |        |        |        |        |        | 1      |        |        |        |        |        |
| 04:00 - 04:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 05:00 - 05:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 06:00 - 06:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 07:00 - 07:59 |        | 2      |        |        |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        |        |        |
| 08:00 - 08:59 |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |
| 09:00 - 09:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 10:00 - 10:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 12     |        |        |        |        |
| 11:00 - 11:59 |        |        |        |        |        |        |        |        |        | 5      | 1      | 1      |        |        |        |        |        |        |        |        |        |
| 12:00 - 12:59 |        |        |        |        |        |        |        | 11     |        |        |        | 1      |        |        |        | 4      |        | 7      |        |        |        |
| 13:00 - 13:59 | 4      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 14:00 - 14:59 |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| 15:00 - 15:59 |        |        |        |        |        |        |        |        |        |        | 2      | 2      |        |        |        | 4      |        |        |        |        | 4      |
| 16:00 - 16:59 |        |        |        | 4      |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |
| 17:00 - 17:59 |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |
| 18:00 - 18:59 |        |        |        |        |        |        | 5      |        |        |        | 9      |        |        |        | 7      |        |        |        |        |        |        |
| 19:00 - 19:59 |        |        | 1      | 5      | 12     |        |        |        |        |        |        | 3      |        |        | 3      |        | 3      |        |        |        |        |
| 20:00 - 20:59 | 4      |        | 5      | 6      | 22     |        |        |        |        | 3      | 2      |        | 3      |        |        |        | 9      |        | 10     |        | 5      |
| 21:00 - 21:59 | 17     | 17     | 12     | 1      | 12     | 1      |        |        |        | 12     | 4      |        | 5      |        | 2      |        | 6      | 17     | 13     | 5      | 15     |
| 22:00 - 22:59 | 4      | 3      | 13     |        | 11     |        |        |        |        | 8      | 19     | 1      | 2      | 1      | 9      |        | 25     | 14     | 3      | 18     | 14     |
| 23:00 - 23:59 | 8      |        | 2      | 20     | 9      | 13     | 4      |        | 7      | 7      | 25     | 2      |        | 7      | 6      | 6      | 3      | 3      |        | 14     | 14     |
| UTC (hh)      | CZE fr | CZE vd | CZE ze | DEU cm | DEU hw | DEU mz | ENG ag | ENG bk | ENG ds | ENG mt | ENG py | ENG tm | FIN te | GSY lr | HOL fg | HOL ft | HOL rb | IRL fo | SWE bn | SWE tn | SWE wr |

**NDBs HEARD, BY FREQUENCY:** The number of NDBs logged by each reporter on each frequency and the number logged by all on each frequency, ignoring offsets:

| NDBs | kHz   | CZE<br>fr | CZE<br>vd | CZE<br>ze | DEU<br>cm | DEU<br>hw | DEU<br>mz | ENG<br>ag | ENG<br>bk | ENG<br>ds | ENG<br>mt | ENG<br>py | ENG<br>tm | FIN<br>te | GSY<br>lr | HOL<br>fg | HOL<br>ft | HOL<br>rb | IRL<br>fo | SWE<br>bn | SWE<br>tn | SWE<br>wr |
|------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 14   | 420   | 4         | 5         | 4         | 4         | 8         | 6         | 5         | 1         | 1         | 5         | 9         | 3         | 1         |           | 3         | 3         | 6         | 5         | 1         | 5         | 3         |
| 8    | 421   | 3         | 1         | 3         | 3         | 5         | 5         | 3         | 1         | 2         | 3         | 5         | 1         | 1         | 1         | 3         | 2         | 5         | 4         | 2         | 3         | 3         |
| 6    | 422   | 3         | 2         | 2         | 2         | 3         | 2         | 3         |           | 1         | 1         | 3         |           |           |           | 1         | 1         | 3         | 1         | 2         | 3         | 2         |
| 6    | 423   | 3         | 3         | 3         | 3         | 6         | 3         | 3         | 1         | 2         | 4         | 6         | 2         |           |           | 5         | 4         | 6         | 3         | 3         | 2         | 3         |
| 4    | 424   | 2         | 1         | 1         | 3         | 3         | 1         | 1         |           |           | 3         | 3         |           |           |           | 3         | 1         | 4         | 2         | 1         | 1         | 2         |
| 5    | 425   | 2         | 2         | 2         | 2         | 4         | 3         | 2         |           |           | 1         | 4         |           | 1         |           | 3         | 3         | 3         | 1         | 1         | 2         | 4         |
| 4    | 426   | 1         | 1         | 1         | 1         | 3         | 2         | 4         | 1         | 4         | 4         | 4         | 2         |           |           | 3         | 3         | 4         | 3         |           | 1         | 2         |
| 1    | 426.5 | 1         | 1         | 1         | 1         | 1         | 1         |           |           | 1         | 1         | 1         |           |           |           | 1         | 1         | 1         | 1         |           | 1         | 1         |
| 6    | 427   | 1         |           |           | 4         | 5         | 2         | 2         | 1         | 1         | 2         | 4         | 1         | 1         | 1         | 1         | 1         | 3         | 1         | 1         | 2         | 4         |
| 7    | 428   | 1         | 1         | 1         | 2         | 4         | 3         | 3         | 2         | 4         | 4         | 6         | 1         | 1         | 1         | 1         | 4         | 5         | 3         | 1         | 1         | 3         |
| 7    | 429   | 3         | 3         | 2         | 3         | 6         | 4         | 1         | 1         | 1         | 2         | 2         | 1         |           | 1         | 2         | 3         | 3         | 3         | 1         | 2         | 3         |
| 6    | 430   | 1         | 1         | 1         | 1         | 3         | 1         | 3         | 1         | 1         | 2         | 3         |           | 1         | 1         |           | 1         | 2         | 1         | 3         | 2         | 2         |
| 3    | 431   |           |           |           | 1         | 3         | 1         | 2         |           | 1         | 1         | 2         |           |           |           | 2         | 2         | 2         | 1         |           |           | 2         |
| 9    | 432   | 5         | 3         | 6         | 6         | 7         | 6         | 2         |           | 1         | 2         | 5         |           | 2         |           | 1         | 1         | 2         | 2         | 3         | 4         | 6         |
| 3    | 433   | 1         | 1         | 1         | 1         | 1         | 1         | 2         |           | 3         | 3         | 3         |           |           | 1         | 1         |           | 2         | 3         | 1         |           | 1         |
| 1    | 433.5 |           |           |           |           | 1         |           | 1         | 1         | 1         | 1         | 1         | 1         |           | 1         | 1         | 1         | 1         | 1         |           |           | 1         |
| 6    | 434   | 4         | 1         | 1         | 4         | 4         | 4         | 3         | 1         | 1         | 3         | 2         | 1         | 1         | 1         | 2         | 2         | 2         | 3         | 3         | 2         | 4         |
| 7    | 435   | 2         | 1         | 1         | 1         | 5         | 3         | 1         |           |           |           | 3         |           | 1         |           | 1         | 3         | 2         | 1         | 1         | 2         | 4         |
| 2    | 436   | 2         | 1         |           |           | 1         |           |           |           |           | 1         | 1         |           |           |           |           | 1         |           |           |           |           | 1         |
| 1    | 437   |           |           |           |           | 1         |           |           |           |           |           |           |           | 1         |           |           |           |           |           |           | 1         | 1         |
| 5    | 438   | 4         | 3         | 3         | 4         | 4         | 4         |           |           |           | 1         | 4         |           |           |           | 2         | 3         | 2         | 2         | 1         | 3         | 5         |
| NDBs | kHz   | CZE<br>fr | CZE<br>vd | CZE<br>ze | DEU<br>cm | DEU<br>hw | DEU<br>mz | ENG<br>ag | ENG<br>bk | ENG<br>ds | ENG<br>mt | ENG<br>py | ENG<br>tm | FIN<br>te | GSY<br>lr | HOL<br>fg | HOL<br>ft | HOL<br>rb | IRL<br>fo | SWE<br>bn | SWE<br>tn | SWE<br>wr |



**MOBs**

The following NDBs were heard by one reporter only - 'Mine Only Beacons' !

| kHz | C/S | Location               | Cou | Reporter      | UTC   |
|-----|-----|------------------------|-----|---------------|-------|
| 436 | S   | Darlowo                | POL | <b>CZE fr</b> | 00:48 |
| 422 | L   | (UNID)                 | XUE | <b>CZE fr</b> | 23:20 |
| 432 | PRD | Peyrehorade            | FRA | <b>DEU cm</b> | 19:30 |
| 430 | POY | Paris Orly (temporary) | FRA | <b>DEU cm</b> | 20:40 |
| 435 | IGZ | In Guezzam             | ALG | <b>DEU hw</b> | 02:29 |
| 429 | OBI | Oberpfaffenhofn        | DEU | <b>DEU hw</b> | 22:11 |
| 422 | O   | Szolnok                | HNG | <b>DEU hw</b> | 23:02 |
| 428 | MUS | Nice Cote d'Azur       | FRA | <b>DEU mz</b> | 23:17 |
| 421 | SAL | Zadar Sali             | HRV | <b>DEU mz</b> | 23:14 |
| 434 | A   | Bucharest Baneasa      | ROU | <b>DEU mz</b> | 00:21 |
| 420 | B   | (UNID)                 | XUE | <b>ENG mt</b> | 21:03 |
| 420 | LMT | Auch                   | FRA | <b>IRL fo</b> | 22:33 |
| 432 | AKU | Ivalo                  | FIN | <b>SWE bn</b> | 21:06 |
| 430 | AJ  | Staritsa               | RUS | <b>SWE bn</b> | 21:40 |
| 421 | TRU | Trundon Lulea          | SWE | <b>SWE bn</b> | 20:35 |
| 435 | ER  | Yegorlikskaya          | RUS | <b>SWE tn</b> | 22:54 |
| 420 | ShF | Orsk                   | RUS | <b>SWE tn</b> | 23:11 |
| 429 | GBL | Giebelstadt            | DEU | <b>SWE wr</b> | 08:45 |
| 438 | OR  | Kirov                  | RUS | <b>SWE wr</b> | 00:05 |
| 435 | BB  | (UNID)                 | XUE | <b>SWE wr</b> | 23:55 |

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bk 12 July 2007