



Deutscher Wetterdienst

## Wetterdaten Deutschland

Tägliche Beobachtungen und Messungen der Wetterstationen des DWD

## Weather data Germany

Daily observations and measurements of meteorological stations of the DWD

## Données météorologiques Allemagne

Observations et mesures quotidiennes de stations météorologiques du DWD

## Datos meteorológicos Alemania

Observaciones y mediciones diarias de estaciones del DWD

### Amtsblatt des Deutschen Wetterdienstes

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Donnerstag  
Thursday  
Jeudi  
Jueves

07.05.1998

Nummer  
Number  
Número  
Número

127

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| Station              | Höhe | iii | ihVV  | Nddff | 1stTT | 2stTT | 4PPPP | 5app  | 6RRRt | 7wwWW | 8NCCC  | ff-ff       |
|----------------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------------|
|                      |      | Rx  |       | n     | nddd  |       |       |       | R     | 12    | hMM    | xx-gg       |
| 00 Uhr UTC           |      |     |       |       |       |       |       |       |       |       |        | 18-24       |
| Helgoland            | 4    | 015 | 32560 | 72316 | 10106 | 20102 | 40053 | 51017 |       |       | 875//  | 28 34       |
| List/Sylt            | 26   | 020 | 11975 | 42412 | 10086 | 20077 | 40041 | 51019 | 69921 | 70161 | 80001  |             |
| Leck                 | 7    | 022 | 11965 | 22508 | 10077 | 20064 | 40049 | 51019 | 69901 | 70181 | 80001  | 27          |
| Rusum                | 28   | 026 | 11965 | 32611 | 10092 | 20080 | 40053 | 52026 | 69901 | 70181 | 81031  | 24 33       |
| Glücksburg/Meierwik  | 27   | 033 | 11775 | 12413 | 10084 | 20066 | 40047 | 52023 |       | 70181 | 81500  | 26 35       |
| Schleswig            | 43   | 035 | 11465 | 52508 | 10089 | 20078 | 40055 | 51024 | 69901 | 70181 | 85800  | 28          |
| Hohn                 | 12   | 038 | 11565 | 52507 | 10097 | 20089 | 40056 | 52024 |       | 70182 | 85500  | 26          |
| Kiel-Holtenau        | 31   | 046 | 11465 | 62512 | 10101 | 20079 | 40056 | 52028 |       | 70182 | 86500  | 25          |
| Westermarsdorf       | 3    | 055 | 11579 | 22518 | 10101 | 20083 | 40048 | 51027 | 69911 |       | 82500  | 26 35       |
| Arkona               | 42   | 091 | 11578 | 72528 | 10101 | 20078 | 40039 | 53019 | 60011 | 70362 | 8127// | 29 38       |
| Norderney            | 11   | 113 | 11462 | 82312 | 10114 | 20102 | 40063 | 51014 | 69901 | 72162 | 888//  |             |
| Bremerhaven          | 7    | 129 | 11470 | 72413 | 10117 | 20099 | 40072 | 51017 | 60011 | 78082 | 878//  | 26          |
| Cuxhaven             | 5    | 131 | 11665 | 82711 | 10114 | 20096 | 40063 | 52021 | 69971 | 72162 | 875//  | 34          |
| Hamburg, Flugh.      | 16   | 147 | 11465 | 82407 | 10109 | 20093 | 40070 | 53022 | 60031 | 70282 | 875//  |             |
| Lübeck-Blankensee    | 14   | 156 | 16/60 | /2308 | 10100 | 20094 | 40064 | 53022 | 60061 |       |        |             |
| Boltenhagen          | 15   | 161 | 11462 | 82414 | 10106 | 20090 | 40060 | 53022 | 69971 | 70182 | 888//  | 21 31       |
| Schwerin             | 59   | 162 | 11970 | 82409 | 10102 | 20091 | 40066 | 53020 | 60031 | 72582 | 8807// | 27          |
| Rostock-Warnemünde   | 4    | 170 | 11570 | 82410 | 10112 | 20083 | 40050 | 52022 | 69951 | 72162 | 885//  | 27          |
| Teterow              | 46   | 177 | 16/60 | /2414 | 10103 | 20097 | 40066 | 53021 | 60021 |       |        | 21 29       |
| Barth                | 7    | 180 | 16/60 | /2411 | 10111 | 20084 | 40044 | 53020 | 60011 |       |        |             |
| Greifswald           | 2    | 184 | 11460 | 82412 | 10111 | 20089 | 40056 | 53021 | 69931 | 76186 | 8572// | 31          |
| Ueckermünde          | 1    | 193 | 16/59 | /2312 | 10109 | 20079 | 40070 | 53016 | 69921 |       |        | 27          |
| Emden-Flugplatz      | 0    | 200 | 11256 | 82311 | 10110 | 20102 | 40069 | 53015 | 60021 | 76386 | 877//  |             |
| Oldenburg            | 11   | 215 | 11350 | 82408 | 10111 | 20100 | 40069 | 52015 | 60051 | 76186 | 875//  |             |
| Bremen, Flugh.       | 3    | 224 | 11459 | 82310 | 10113 | 20101 | 40081 | 51018 | 60021 | 76162 | 885//  |             |
| Soltau               | 77   | 235 | 16//  | /2411 | 10108 | 20096 | 40084 | 53017 | 69931 |       |        | 25          |
| Boizenburg           | 45   | 249 | 16/60 | /2508 | 10102 | 20097 | 40079 | 53021 | 60021 |       |        |             |
| Lüchow               | 17   | 253 | 16/59 | /2411 | 10118 | 20095 | 40084 | 53018 | 69901 |       |        |             |
| Seehausen            | 21   | 261 | 16/60 | /2312 | 10120 | 20084 | 40091 | 53017 | 69901 |       |        | 25          |
| Marnitz              | 81   | 264 | 16/32 | /2310 | 10109 | 20088 | 40077 | 53018 | 69921 |       |        | 27          |
| Neuruppin            | 38   | 270 | 11565 | 82410 | 10121 | 20077 | 40087 | 53014 | 69901 | 70282 | 875//  |             |
| Neubrandenburg       | 81   | 280 | 11458 | 82320 | 10110 | 20093 | 40069 | 52018 | 69901 | 76022 | 875//  | 24 33       |
| Angermünde           | 56   | 291 | 11670 | 82414 | 10123 | 20079 | 40083 | 53013 | 69901 | 76062 | 885//  | 25          |
| Lingen               | 24   | 305 | 16//  | /2208 | 10122 | 20098 | 40087 | 52016 | 69901 |       |        |             |
| Münster/Osnabrück    | 48   | 315 | 12465 | 82312 | 10121 | 20091 | 40100 | 51014 |       |       | 885//  |             |
| Osnabrück            | 95   | 317 | 16/60 | /2310 | 10116 | 20088 | 40100 | 51015 | 69901 |       |        |             |
| Diepholz             | 39   | 321 | 12562 | 82413 | 10119 | 20092 | 40089 | 51016 |       |       | 875//  |             |
| Bad Salzuflen        | 135  | 325 | 16/60 | /2310 | 10113 | 20084 | 40104 | 51017 | 69901 |       |        |             |
| Hannover, Flugh.     | 56   | 338 | 12565 | 82410 | 10121 | 20086 | 40098 | 51019 |       |       | 885//  |             |
| Braunschweig         | 81   | 348 | 11562 | 82411 | 10119 | 20080 | 40103 | 52016 | 69901 | 70262 | 885//  |             |
| Gardelegen           | 47   | 359 | 16/60 | /2409 | 10119 | 20078 | 40096 | 53016 | 69901 |       |        |             |
| Magdeburg            | 79   | 361 | 11870 | 72407 | 10108 | 20084 | 40108 | 53015 | 69901 | 70282 | 8553// | 28          |
| Potsdam              | 81   | 379 | 11676 | 72313 | 10113 | 20082 | 40101 | 53014 | 69911 | 70282 | 875//  | 25          |
| Berlin-Dahlem        | 51   | 381 | 11680 | 72412 | 10122 | 20071 | 40101 | 51015 | 69901 | 70282 | 875//  |             |
| Berlin-Tegel, Flugh. | 37   | 382 | 11675 | 72414 | 10127 | 20077 | 40096 | 52016 | 69901 | 70362 | 875//  |             |
| Berlin-Temp., Flugh. | 50   | 384 | 11681 | 72311 | 10123 | 20078 | 40099 | 53015 | 69901 | 70362 | 875//  |             |
| Berlin-Schönefeld    | 47   | 385 | 11680 | 42211 | 10117 | 20077 | 40101 | 53016 | 69901 | 70161 | 84500  | 28          |
| Lindenberg           | 98   | 393 | 11670 | 82410 | 10116 | 20077 | 40105 | 52014 | 69931 | 70382 | 875//  | 25          |
| Manschnow            | 12   | 396 | 16/60 | /2411 | 10114 | 20085 | 40091 | 53013 | 69901 |       |        | 28          |
| Düsseldorf, Flugh.   | 45   | 400 | 11475 | 82211 | 10120 | 20091 | 40125 | 52014 | 69941 | 70262 | 875//  |             |
| Bocholt              | 21   | 406 | 36/60 | /2211 | 10119 | 20094 | 40103 | 53013 |       |       |        |             |
| Essen                | 152  | 410 | 16//  | /2214 | 10113 | 20087 | 40123 | 53013 | 69911 |       |        | 25          |
| Lödenscheid          | 387  | 418 | 16/60 | /2509 | 10092 | 20075 | 40123 | 53014 | 69991 |       |        |             |
| Kahler Asten         | 839  | 427 | 11157 | 82418 | 10058 | 20057 | 48437 | 53012 | 69951 | 72586 | 886//  | 22 32       |
| Bad Lipspringe       | 157  | 430 | 16//  | /2208 | 10110 | 20082 | 40114 | 53012 | 69901 |       |        |             |
| Kassel               | 231  | 438 | 11670 | 82006 | 10105 | 20072 | 40123 | 52012 | 69901 | 76086 | 875//  |             |
| Göttingen            | 167  | 444 | 16/60 | /2313 | 10111 | 20077 | 40123 | 53013 | 69961 |       |        |             |
| Leinefelde           | 356  | 449 | 16//  | /2410 | 10101 | 20068 | 40124 | 53014 | 69911 |       |        | 26          |
| Braunlage            | 607  | 452 | 16/60 | /2411 | 10075 | 20064 | 40116 | 53015 | 69981 |       |        | 26          |
| Brocken              | 1142 | 453 | 11/90 | 92436 | 10035 | 20033 | 48420 | 53011 | 60021 | 74564 |        | 40 56       |
| Artern               | 164  | 460 | 11665 | 72309 | 10104 | 20074 | 40126 | 53015 | 69901 | 70382 | 8583// | 25          |
| Leipzig-Schkeuditz   | 144  | 469 | 11475 | 72308 | 10120 | 20072 | 40124 | 51016 | 69901 | 76062 | 875//  |             |
| Wittenberg           | 105  | 474 | 12880 | 72410 | 10117 | 20067 | 40110 | 53013 | 69911 |       | 875//  |             |
| Oschatz              | 150  | 480 | 11980 | 42309 | 10108 | 20076 | 40129 | 51013 | 69901 | 70281 | 84070  |             |
| Dresden-Klotzsche    | 230  | 488 | 11888 | 72414 | 10117 | 20068 | 40128 | 51012 | 69901 | 70362 | 875//  |             |
| Doberlug-Kirchhain   | 97   | 490 | 16/59 | /2210 | 10119 | 20077 | 40119 | 52013 | 69901 |       |        |             |
| Cottbus              | 69   | 496 | 11980 | 12409 | 10124 | 20081 | 40114 | 53012 | 69901 | 70161 | 81030  |             |
| Görlitz              | 237  | 499 | 11973 | 52310 | 10101 | 20063 | 40126 | 51009 | 69901 | 70182 | 83031  |             |
| Aachen               | 202  | 501 | 11480 | 72210 | 10112 | 20091 | 40125 | 53011 | 69901 | 76062 | 878//  | 25          |
| Nörvenich            | 118  | 502 | 42575 | 72408 | 10125 | 20083 | 40138 | 52016 |       |       | 878//  |             |
| Nürnberg/Barweiler   | 485  | 506 | 11466 | 82409 | 10092 | 20071 | 40139 | 53010 | 69901 | 72162 | 888//  |             |
| Köln/Bonn, Flugh.    | 91   | 513 | 11467 | 82207 | 10123 | 20080 | 40133 | 53013 | 69901 | 75862 | 875//  |             |
| Mendig               | 182  | 514 | 42565 | 82004 | 10110 | 20080 | 40148 | 52008 |       |       | 875//  |             |
| Bendorf              | 127  | 515 | 16/60 | /2309 | 10119 | 20091 | 40143 | 53013 | 69901 |       |        |             |
| Bad Marienberg       | 547  | 526 |       |       |       |       |       |       |       |       |        |             |
| Gleissen             | 186  | 532 | 11674 | 72006 | 10114 | 20074 | 40142 | 51014 | 69901 | 70262 | 875//  |             |
| Bad Hersfeld         | 273  | 542 | 16/60 | /2310 | 10111 | 20065 | 40141 | 53013 | 69901 |       |        |             |
| Wasserkuppe          | 921  | 544 | 11130 | 82319 | 10054 | 20048 | 48455 | 53008 | 69901 | 71052 | 885//  | 22 32       |
| Meiningen            | 450  | 548 | 11672 | 82207 | 10100 | 20061 | 40146 | 53011 | 69901 | 70282 | 885//  |             |
| Schmücke             | 937  | 552 | 16//  | /2317 | 10053 | 20045 | 48446 | 51006 | 69901 |       |        | 29          |
| Erfurt-Bindersleben  | 315  | 554 | 32581 | 62211 | 10100 | 20066 | 40130 | 53012 |       |       | 84870  | 26          |
| Neuhaus a.R.         | 845  | 557 | 11362 | 82410 | 10060 | 20051 | 48455 | 51011 | 69941 | 72582 | 876//  |             |
| Gera-Leumnitz        | 311  | 567 | 32680 | 62212 | 10110 | 20068 | 40128 | 53010 |       |       | 82541  |             |
| Chemnitz             | 418  | 577 | 11572 | 72516 | 10102 | 20066 | 40136 | 51013 | 69901 | 70161 | 878//  | 26          |
| Fichtelberg          | 1213 | 578 | 31/60 | 72528 | 10037 | 20035 | 48449 | 51008 |       |       | 74142  | 871// 31 39 |
| Zinnwald-Georg.      | 877  | 582 | 36/60 | /2310 | 10058 | 20038 | 48455 | 51009 |       |       |        |             |
| Lichtenhain/Mittelnd | 300  | 591 | 16/60 | /2006 | 10101 | 20056 | 40131 | 51009 | 69901 |       |        |             |
| Trier-Petrisberg     | 265  | 609 | 11460 | 82410 | 10104 | 20091 | 40152 | 52009 | 69931 | 72582 | 878//  |             |
| Deuselbach           | 480  | 615 | 16//  | /2412 | 10087 | 20081 | 40161 | 53008 | 69911 |       |        |             |
| Hahn                 | 491  | 616 |       |       |       |       |       |       |       |       |        |             |
| Kl.Feldberg/Ts.      | 805  | 635 | 36/01 | /3412 | 10059 | 20057 | 48459 | 53009 |       |       |        |             |
| Frankfurt/M., Flugh. | 111  | 637 | 32580 | 62111 | 10118 | 20073 | 40156 | 51012 |       |       | 86800  | 25          |
| Michelstadt/Vielbrun | 453  | 648 | 16/60 | /2309 | 10094 | 20056 | 40162 | 51008 | 69901 |       |        |             |
| Wüzburg              | 268  | 655 | 11665 | 72409 | 10105 | 20069 | 40157 | 51012 | 69901 | 72162 | 875//  |             |
| Bad Kissingen        | 262  | 658 | 16/60 | /2205 | 10110 | 20061 | 40151 | 52012 | 69901 |       |        |             |
| Coburg               | 322  | 671 | 16/60 | /2108 | 10106 | 20064 | 40154 | 53011 | 69901 |       |        |             |
| Bamberg              | 239  | 675 | 16/60 | /1804 | 10106 | 20077 | 40161 | 53012 | 69901 |       |        |             |
| Hof                  | 567  | 685 | 32565 | 62006 | 10078 | 20067 | 40154 | 52010 |       |       | 85530  |             |
| Weiden               | 438  | 688 | 11770 | 21906 | 10089 | 20062 | 40167 | 53011 | 69901 | 70161 | 82500  |             |
| Berus                | 363  | 704 | 16/59 | /2213 | 10097 | 20070 | 40164 | 53008 | 69901 |       |        |             |
| Tholey               | 396  | 706 | 16/60 | /2209 | 10093 | 20075 | 40165 | 53008 | 69911 |       |        |             |
| Saarbrücken, Flugh.  | 322  | 708 | 115   |       |       |       |       |       |       |       |        |             |

| Station              |   | Hoehe    | iii   | ihVV  | Nddff | 1sTTT | 2sTTT | 4PPPP | 5pppp | 03 Uhr UTC |        | 00-03  |             |
|----------------------|---|----------|-------|-------|-------|-------|-------|-------|-------|------------|--------|--------|-------------|
|                      |   | Rx       |       |       |       | n     | nddd  |       |       |            |        | 7wwWW  | BNCCC ff-ff |
|                      |   |          |       |       |       |       |       |       |       |            |        | 12     | hMMH xx gg  |
| Helgoland            |   | 4 015    | 41558 | 82318 | 10104 | 20103 | 40066 | 51013 |       | 76022      | 875//  |        |             |
| List/Sylt            |   | 26 020   | 42968 | 72414 | 10098 | 20084 | 40052 | 53011 |       |            | 8707// |        |             |
| Leck                 |   | 7 022    | 42965 | 72409 | 10098 | 20075 | 40062 | 52013 |       |            | 8703// |        |             |
| Husum                |   | 28 026   | 42362 | 82413 | 10105 | 20096 | 40065 | 52012 |       |            | 876//  |        |             |
| Glücksburg/Meierwik  |   | 27 033   | 42770 | 72210 | 10090 | 20077 | 40058 | 52011 |       |            | 83531  |        |             |
| Schleswig            |   | 43 035   | 42560 | 72410 | 10101 | 20097 | 40069 | 51014 |       |            | 875//  |        |             |
| Hohn                 |   | 12 038   | 42458 | 72407 | 10111 | 20101 | 40069 | 52013 |       |            | 875//  |        |             |
| Kiel-Holtenau        |   | 31 046   | 42462 | 72207 | 10101 | 20084 | 40071 | 52015 |       |            | 875//  |        |             |
| Westermarsdorf       |   | 3 055    | 42975 | 62309 | 10098 | 20088 | 40068 | 51020 |       |            | 82032  |        |             |
| Arkona               |   | 42 091   | 42480 | 62721 | 10087 | 20067 | 40066 | 51027 |       |            | 81836  | 29 36  |             |
| Norderney            |   | 11 113   | 41762 | 82211 | 10114 | 20103 | 40073 | 53010 |       | 76022      | 885//  |        |             |
| Bremerhaven          |   | 7 129    | 41362 | 72316 | 10118 | 20102 | 40082 | 53010 |       |            | 72186  | 875//  |             |
| Cuxhaven             |   | 5 131    | 41360 | 82512 | 10113 | 20098 | 40076 | 52013 |       |            | 72122  | 876//  |             |
| Hamburg, Flugh.      |   | 16 147   | 41359 | 82410 | 10111 | 20098 | 40083 | 53013 |       |            | 76362  | 875//  |             |
| Lübeck-Blankensee    |   | 14 156   | 46/50 | /2207 | 10104 | 20100 | 40081 | 52017 |       |            |        |        |             |
| Boltenhagen          |   | 15 161   | 41458 | 72209 | 10100 | 20090 | 40081 | 51021 |       |            | 72582  | 873//  |             |
| Schwerin             |   | 59 162   | 41965 | 82308 | 10099 | 20090 | 40082 | 51016 |       |            | 72186  | 8807// |             |
| Rostock-Warnemünde   |   | 4 170    | 42568 | 72410 | 10107 | 20083 | 40071 | 51021 |       |            | 878//  |        |             |
| Teterow              |   | 46 177   | 46/60 | /2310 | 10099 | 20091 | 40084 | 52018 |       |            |        |        |             |
| Barth                |   | 7 180    | 46/60 | /2612 | 10106 | 20080 | 40068 | 52023 |       |            |        |        |             |
| Greifswald           |   | 2 184    | 41560 | 72412 | 10105 | 20085 | 40077 | 53021 |       | 70162      | 878//  |        | 25          |
| Ueckermünde          |   | 1 193    | 46/59 | /2307 | 10096 | 20072 | 40092 | 52021 |       |            |        |        |             |
| Emden-Flugplatz      |   | 0 200    | 41462 | 72311 | 10116 | 20102 | 40077 | 52008 |       |            | 70262  | 875//  |             |
| Oldenburg            |   | 11 215   | 41457 | 82410 | 10115 | 20099 | 40084 | 52015 |       |            | 71062  | 875//  |             |
| Bremen, Flugh.       |   | 3 224    | 41465 | 72313 | 10116 | 20098 | 40095 | 53014 |       |            | 70262  | 875//  |             |
| Soltau               |   | 77 235   | 46/// | /2410 | 10114 | 20092 | 40098 | 51014 |       |            |        |        |             |
| Boizenburg           |   | 45 249   | 46/56 | /2309 | 10106 | 20098 | 40093 | 51014 |       |            |        |        |             |
| Lüchow               |   | 17 253   | 46/57 | /2309 | 10117 | 20099 | 40100 | 51016 |       |            |        |        |             |
| Seehausen            |   | 21 261   | 46/60 | /2309 | 10113 | 20089 | 40107 | 51016 |       |            |        |        |             |
| Marnitz              |   | 81 264   | 46/32 | /2608 | 10104 | 20091 | 40095 | 51018 |       |            |        |        |             |
| Neuruppin            |   | 38 270   | 41560 | 82410 | 10119 | 20080 | 40103 | 53016 |       | 76162      | 875//  |        |             |
| Neubrandenburg       |   | 81 280   | 41957 | 72416 | 10104 | 20090 | 40089 | 51020 |       |            | 71062  | 8707// | 26          |
| Angermünde           |   | 56 291   | 41570 | 82513 | 10120 | 20082 | 40100 | 53017 |       |            | 70262  | 885//  |             |
| Lingen               |   | 24 305   | 46/// | /2306 | 10111 | 20107 | 40100 | 51012 |       |            |        |        |             |
| Münster/Osnabrück    |   | 48 315   | 41257 | 82311 | 10115 | 20097 | 40112 | 51012 |       |            | 75862  | 885//  |             |
| Osnabrück            |   | 95 317   | 46/60 | /2411 | 10111 | 20093 | 40111 | 53011 |       |            |        |        |             |
| Diepholz             |   | 39 321   | 41350 | 82310 | 10111 | 20101 | 40102 | 51013 |       |            | 75052  | 875//  |             |
| Bad Salzungen        |   | 135 325  | 46/60 | /2310 | 10115 | 20084 | 40114 | 52010 |       |            |        |        |             |
| Hannover, Flugh.     |   | 56 338   | 42565 | 82309 | 10121 | 20088 | 40110 | 53012 |       |            | 885//  |        |             |
| Braunschweig         |   | 81 348   | 42562 | 82509 | 10121 | 20081 | 40117 | 53014 |       |            | 885//  |        |             |
| Gardelegen           |   | 47 359   | 46/60 | /2309 | 10118 | 20076 | 40110 | 53014 |       |            |        |        |             |
| Magdeburg            |   | 79 361   | 42868 | 82308 | 10118 | 20078 | 40119 | 53011 |       |            | 885//  |        |             |
| Potsdam              |   | 81 379   | 42570 | 82310 | 10109 | 20081 | 40118 | 53017 |       |            | 885//  |        |             |
| Berlin-Dahlem        |   | 51 381   | 42575 | 62511 | 10120 | 20068 | 40117 | 52016 |       |            | 85530  |        |             |
| Berlin-Tegel, Flugh. |   | 37 382   | 42575 | 72512 | 10123 | 20075 | 40112 | 53016 |       |            | 875//  |        |             |
| Berlin-Temp., Flugh. |   | 50 384   | 42680 | 72310 | 10121 | 20077 | 40115 | 53016 |       |            | 875//  |        |             |
| Berlin-Schönefeld    |   | 47 385   | 42675 | 72410 | 10115 | 20074 | 40116 | 53015 |       |            | 875//  |        |             |
| Lindenberg           |   | 98 393   | 42668 | 62409 | 10107 | 20074 | 40121 | 51016 |       |            | 83540  |        |             |
| Manschnow            |   | 12 396   | 46/60 | /2412 | 10118 | 20082 | 40105 | 53014 |       |            |        |        |             |
| Düsseld., Flugh.     |   | 45 400   | 42475 | 82310 | 10119 | 20094 | 40134 | 52009 |       |            | 875//  |        |             |
| Bocholt              |   | 21 406   | 46/60 | /2209 | 10117 | 20095 | 40115 | 51012 |       |            |        |        |             |
| Essen                |   | 152 410  | 41468 | 82213 | 10111 | 20090 | 40132 | 51009 |       |            | 70262  | 875//  |             |
| Lödenscheid          |   | 387 418  | 46/60 | /2509 | 10090 | 20080 | 40132 | 51008 |       |            |        |        |             |
| Kahler Asten         | * | 839 427  | 41/01 | 92517 | 10059 | 20059 | 48447 | 53011 |       |            | 75886  |        | 30          |
| Bad Lippspringe      |   | 157 430  | 46/// | /2209 | 10111 | 20081 | 40124 | 52010 |       |            |        |        |             |
| Kassel               |   | 231 438  | 41663 | 82005 | 10102 | 20079 | 40135 | 52012 |       |            | 75862  | 875//  |             |
| Göttingen            |   | 167 444  | 46/60 | /2306 | 10110 | 20077 | 40133 | 53010 |       |            |        |        |             |
| Leinefelde           |   | 356 449  | 46/// | /2208 | 10100 | 20069 | 40135 | 51010 |       |            |        |        |             |
| Braunlage            |   | 607 452  | 46/60 | /2211 | 10073 | 20062 | 40128 | 53010 |       |            |        |        |             |
| Brocken              | * | 1142 453 | 41/90 | 92527 | 10036 | 20034 | 48434 | 51016 |       | 74544      |        | 37 50  |             |
| Artern               |   | 164 460  | 42664 | 82311 | 10107 | 20072 | 40138 | 51012 |       |            | 875//  |        |             |
| Leipzig-Schkeuditz   |   | 144 469  | 41775 | 72209 | 10111 | 20069 | 40137 | 53012 |       |            | 70262  | 875//  |             |
| Wittenberg           |   | 105 474  | 42980 | 72306 | 10111 | 20070 | 40127 | 52016 |       |            | 8707// |        |             |
| Oschatz              |   | 150 480  | 42680 | 82411 | 10112 | 20074 | 40142 | 52013 |       |            | 8657// |        |             |
| Dresden-Klotzsche    |   | 230 488  | 42880 | 72310 | 10113 | 20067 | 40145 | 51017 |       |            | 875//  |        |             |
| Doberlug-Kirchhain   |   | 97 490   | 46/59 | /2410 | 10120 | 20071 | 40133 | 52014 |       |            |        |        |             |
| Cottbus              |   | 69 496   | 42780 | 72508 | 10122 | 20084 | 40129 | 52015 |       |            | 875//  |        |             |
| Görlitz              |   | 237 499  | 42765 | 72211 | 10097 | 20065 | 40142 | 51016 |       |            | 8253// |        |             |
| Nörvenich            |   | 202 501  | 41458 | 82309 | 10107 | 20100 | 40135 | 51010 |       |            | 75065  | 875//  |             |
| Aachen               |   | 118 502  | 42580 | 72410 | 10121 | 20090 | 40143 | 52004 |       |            | 875//  |        |             |
| Nürnberg/Barweiler   |   | 485 506  | 41259 | 82410 | 10087 | 20079 | 40146 | 51006 |       |            | 75162  | 876//  |             |
| Köln/Bonn, Flugh.    |   | 91 513   | 41580 | 82106 | 10117 | 20090 | 40141 | 51007 |       |            | 72162  | 875//  |             |
| Mendig               |   | 182 514  | 41458 | 81904 | 10103 | 20094 | 40157 | 52009 |       |            | 76152  | 875//  |             |
| Bendorf              |   | 127 515  | 46/60 | /2307 | 10116 | 20100 | 40151 | 52008 |       |            |        |        |             |
| Bad Marienberg       |   | 547 526  |       |       |       |       |       |       |       |            |        |        |             |
| Giessen              |   | 186 532  | 42675 | 72105 | 10116 | 20079 | 40151 | 51009 |       |            | 875//  |        |             |
| Bad Hersfeld         |   | 273 542  | 46/60 | /2108 | 10106 | 20072 | 40151 | 51009 |       |            |        |        |             |
| Wasserkuppe          | * | 921 544  | 41/00 | 92313 | 10054 | 20054 | 48463 | 51009 |       | 74742      |        | 22 33  |             |
| Meiningen            | * | 450 548  | 42570 | 81905 | 10093 | 20066 | 40159 | 51011 |       |            | 885//  |        |             |
| Schmücke             | * | 937 552  | 46/// | /2118 | 10051 | 20048 | 48457 | 53012 |       |            |        | 22 34  |             |
| Erfurt-Bindersleben  |   | 315 554  | 42581 | 72309 | 10103 | 20071 | 40143 | 52013 |       |            | 878//  |        |             |
| Neuhaus a.R.         | * | 845 557  | 42260 | 72510 | 10056 | 20050 | 48462 | 52009 |       |            | 876//  |        |             |
| Gera-Leumnitz        | * | 311 567  | 42780 | 82210 | 10098 | 20065 | 40143 | 51014 |       |            | 8457// |        |             |
| Chemnitz             | * | 418 577  | 42770 | 72416 | 10092 | 20062 | 40150 | 53012 |       |            | 875//  |        |             |
| Fichtelberg          | * | 1213 578 | 41/01 | 92622 | 10035 | 20033 | 48464 | 53016 |       | 74742      |        | 31 39  |             |
| Zinnwald-Georg.      | * | 877 582  | 46/60 | /2410 | 10056 | 20040 | 48465 | 51014 |       |            |        |        |             |
| Lichtenhain/Mittelnd | * | 300 591  | 46/60 | /2005 | 10097 | 20062 | 40148 | 52016 |       |            |        |        |             |
| Trier-Petrisberg     | * | 265 609  | 41458 | 82508 | 10101 | 20094 | 40159 | 52007 |       | 70282      | 878//  |        |             |
| Deuselbach           | * | 480 615  | 46/// | /2409 | 10086 | 20082 | 40168 | 51007 |       |            |        |        |             |
| Hahn                 |   | 491 616  |       |       |       |       |       |       |       |            |        |        |             |
| Kl.Feldberg/Ts.      | * | 805 635  | 46/01 | /3411 | 10062 | 20060 | 48468 | 51009 |       |            |        |        |             |
| Frankfurt/M. Flugh.  | * | 111 637  | 41580 | 72210 | 10119 | 20079 | 40165 | 51009 |       | 70262      | 878//  |        |             |
| Michelstadt/Vielbrun | * | 453 648  | 46/60 | /2408 | 10087 | 20058 | 40171 | 51008 |       |            |        |        |             |
| Würzburg             |   | 268 655  | 42765 | 72410 | 10103 | 20071 | 40168 | 51010 |       |            | 875//  |        |             |
| Bad Kissingen        |   | 262 658  | 46/60 | /1805 | 10101 | 20067 | 40162 | 51009 |       |            |        |        |             |
| Coburg               |   | 322 671  | 46/60 | /2007 | 10096 | 20061 | 40167 | 51011 |       |            |        |        |             |
| Bamberg              |   | 239 675  | 46/60 | /1703 | 10091 | 20075 | 40174 | 51012 |       |            |        |        |             |
| Hof                  |   | 567 685  | 42465 | 82206 | 10081 | 20067 | 40167 | 51013 |       |            | 885//  |        |             |
| Weiden               |   | 438 688  | 42770 | 71604 | 10077 | 20056 | 40182 | 53013 |       |            | 875//  |        |             |
| Berus                |   | 363 704  | 46/59 | /2213 | 10091 | 20074 | 40168 | 51003 |       |            |        |        |             |
| Tholey               |   | 396 706  | 46/60 | /2107 | 10087 | 20075 | 40172 | 51005 |       |            |        |        |             |
| Saarbrücken, Flugh.  |   | 322 708  | 42565 | 82207 | 10091 | 20073 | 40175 | 51005 |       |            | 875//  |        |             |
| Weinbiet             |   | 553 724  | 46/60 | /2514 | 10084 | 20056 | 40170 | 51006 |       |            |        |        |             |
| Karlsruhe            |   | 112 727  | 46/60 | /2210 | 10122 | 20066 | 40179 | 51007 |       |            |        |        |             |
| Mannheim             |   | 96 729   | 42675 | 72106 | 10114 | 20074 | 40170 | 51008 |       |            | 875//  |        |             |
| Stuttgart, Flugh.    |   | 396 738  | 42775 | 52606 | 10092 | 20054 | 40181 | 52008 |       |            | 85500  |        |             |
| Stuttgart/Schnarrenb |   | 314 739  |       |       |       |       |       |       |       |            |        |        |             |

| Station                | Hoeh | iii | iihVV | Nddff | 1stTT | 2stTT | 4PPPP | 5appp | 6RRRT | 7wwWW | 8NCCC       | ff-ff | 1stTT | 2stTT | 3stTT | 4Esas | 55SSS | 7RRRR | V.T. | V.T. |
|------------------------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|------|------|
|                        |      | Rx  |       |       | n     | n     | n     |       | n     | 12    | n           | xx    | xx    | xx    | xx    |       |       |       |      |      |
| Helgoland              | 4    | 015 | 11450 | 82218 | 10105 | 20104 | 40083 | 53017 | 69912 | 76062 | 875//       | 26    | 10108 | 20101 | 31010 |       | 55006 | 70040 |      |      |
| List/Sylt              | 26   | 020 | 11767 | 72215 | 10102 | 20088 | 40066 | 53015 | 69922 | 72162 | 8153//      |       | 10102 | 20078 | 31007 |       | 55035 | 70027 |      |      |
| Leck                   | 7    | 022 | 12460 | 72316 | 10107 | 20087 | 40076 | 52014 | 69902 |       | 875//       |       | 10110 | 20076 | 31005 |       | 55017 | 70031 |      |      |
| Husum                  | 28   | 026 | 11357 | 82311 | 10111 | 20102 | 40079 | 52014 | 69912 | 76162 | 877//       |       | 10111 | 20091 | 31008 |       | 55007 | 70048 |      |      |
| Glücksburg/Meierwik    | 27   | 033 | 11458 | 82310 | 10108 | 20094 | 40077 | 53019 | 69932 | 76122 | 8453//      |       | 10110 | 20081 | 31007 |       | 55111 | 70062 |      |      |
| Schleswig              | 43   | 035 | 11357 | 82409 | 10109 | 20101 | 40089 | 53020 | 69902 | 71051 | 875//       |       | 10109 | 20084 | 31007 |       | 55002 | 70054 |      |      |
| Hohn                   | 12   | 038 | 11345 | 82307 | 10116 | 20110 | 40090 | 52021 | 69902 | 71062 | 875//       |       | 10116 | 20090 | 31007 |       | 55003 | 70033 |      |      |
| Kiel-Holtenau          | 31   | 046 | 11359 | 82308 | 10109 | 20099 | 40093 | 52022 | 69912 | 72162 | 875//       |       | 10111 | 20095 | 31008 |       | 55005 | 70040 |      |      |
| Westermarsdorf         | 3    | 055 | 11558 | 82108 | 10106 | 20099 | 40088 | 53020 | 69912 | 76122 | 8653//      |       | 10115 | 20096 | 31009 |       | 55014 | 70005 |      |      |
| Arkona                 | 42   | 091 | 12466 | 82413 | 10100 | 20081 | 40094 | 53028 | 69912 |       | 81151 29 36 |       | 10112 | 20080 | 31008 |       | 55046 | 70018 |      |      |
| Norderney              | 11   | 113 | 11457 | 82215 | 10116 | 20102 | 40089 | 53016 | 69902 | 72162 | 875//       |       | 10119 | 20112 | 31011 |       | 55001 | 70046 |      |      |
| Bremerhaven            | 7    | 129 | 11460 | 72417 | 10124 | 20096 | 40103 | 53020 | 69912 | 70286 | 875//       |       | 10126 | 20113 | 31011 |       | 55002 | 70045 |      |      |
| Cuxhaven               | 5    | 131 | 11359 | 82509 | 10114 | 20098 | 40097 | 52021 | 69992 |       | 876//       |       | 10123 | 20113 | 31010 |       | 55009 | 70082 |      |      |
| Hamburg, Flugh.        | 16   | 147 | 11345 | 82312 | 10116 | 20102 | 40102 | 53019 | 69932 | 71062 | 875//       |       | 10123 | 20105 | 31010 |       | 55004 | 70049 |      |      |
| Lübeck-Blankensee      | 14   | 156 | 11441 | 82208 | 10109 | 20108 | 40098 | 53017 | 69902 | 7216/ | 885//       |       | 10118 | 20099 | 31009 |       | 55003 | 70146 |      |      |
| Boltenhagen            | 15   | 161 | 11450 | 82208 | 10107 | 20100 | 40099 | 53018 | 69972 | 76082 | 886//       |       | 10117 | 20099 | 31009 |       | 55008 | 70027 |      |      |
| Schwerin               | 59   | 162 | 11435 | 82311 | 10107 | 20100 | 40102 | 53020 | 69912 | 72186 | 876//       |       | 10114 | 20099 | 31009 |       | 55002 | 70053 |      |      |
| Rostock-Warnemünde     | 4    | 170 | 11460 | 82307 | 10112 | 20090 | 40094 | 53023 | 69952 | 76022 | 8572//      |       | 10124 | 20107 | 31010 |       | 55008 | 70014 |      |      |
| Teterow                | 46   | 177 | 16/60 | 2312  | 10107 | 20102 | 40107 | 53023 | 69912 |       | 875//       | 25    | 10122 | 20100 | 31009 |       | 55005 | 70014 |      |      |
| Barth                  | 7    | 180 | 11450 | 82205 | 10109 | 20090 | 40092 | 53025 | 69912 | 7606/ | 877//       |       | 10113 | 20096 | 31009 |       | 55013 | 70014 |      |      |
| Greifswald             | 2    | 184 | 11460 | 82309 | 10112 | 20090 | 40103 | 53026 | 69912 | 76062 | 8372//      |       | 10124 | 20102 | 31009 |       | 55017 | 70007 |      |      |
| Ueckermünde            | 1    | 193 | 11566 | 72210 | 10111 | 20084 | 40115 | 53024 | 69912 | 78086 | 873//       |       | 10122 | 20095 | 32009 |       | 55010 | 70024 |      |      |
| Emden-Flugplatz        | 0    | 200 | 11458 | 82111 | 10118 | 20103 | 40096 | 53019 | 69912 | 76062 | 877//       |       | 10125 | 20109 | 31011 |       | 55001 | 70045 |      |      |
| Oldenburg              | 11   | 215 | 11456 | 82408 | 10117 | 20098 | 40103 | 53019 | 69912 | 76062 | 875//       |       | 10125 | 20111 | 31010 |       | 55000 | 70077 |      |      |
| Bremen, Flugh.         | 3    | 224 | 11456 | 82310 | 10120 | 20103 | 40115 | 53020 | 69912 | 75065 | 875//       |       | 10127 | 20113 | 31010 |       | 55000 | 70044 |      |      |
| Soltau                 | 77   | 235 | 11356 | 82409 | 10113 | 20098 | 40120 | 53021 | 69932 | 7106/ | 875//       |       | 10115 | 20108 | 31010 |       | 55000 | 70027 |      |      |
| Boizenburg             | 45   | 249 | 11457 | 82309 | 10110 | 20098 | 40113 | 53020 | 69912 | 7206/ | 885//       |       | 10121 | 20097 | 31009 |       | 55001 | 70100 |      |      |
| Lüchow                 | 17   | 253 | 11358 | 82411 | 10121 | 20100 | 40121 | 53021 | 69912 | 7026/ | 885//       |       | 10123 | 20115 | 31010 |       | 55000 | 70002 |      |      |
| Seehausen              | 21   | 261 | 11562 | 82309 | 10123 | 20088 | 40127 | 53020 | 69922 | 7218/ | 875//       |       | 10124 | 20112 | 31010 |       | 55001 | 70003 |      |      |
| Marnitz                | 81   | 264 | 11456 | 82209 | 10109 | 20095 | 40115 | 53020 | 69912 | 7616/ | 8472//      |       | 10120 | 20100 | 31009 |       | 55002 | 70046 |      |      |
| Neuruppin              | 28   | 270 | 11560 | 72209 | 10122 | 20083 | 40125 | 53022 | 69902 | 70162 | 875//       |       | 10125 | 20115 | 31010 |       | 55002 | 70004 |      |      |
| Neubrandenburg         | 81   | 280 | 11450 | 82312 | 10103 | 20099 | 40113 | 53023 | 69962 | 72162 | 875//       | 26    | 10119 | 20101 | 31009 |       | 55003 | 70006 |      |      |
| Angermünde             | 56   | 291 | 11562 | 82409 | 10120 | 20085 | 40122 | 53022 | 69902 | 75162 | 8352//      |       | 10124 | 20112 | 31010 |       | 55004 | 70005 |      |      |
| Lingen                 | 24   | 305 | 11338 | 82109 | 10115 | 20109 | 40118 | 53018 | 69962 | 72065 | 887//       |       | 10124 | 20110 | 31011 |       | 55002 | 70017 |      |      |
| Münster/Osnabrück      | 48   | 315 | 11460 | 82310 | 10121 | 20097 | 40131 | 53019 | 69912 | 70262 | 878//       |       | 10122 | 20114 | 31010 |       | 55001 | 70009 |      |      |
| Osnabrück              | 95   | 317 | 11460 | 82310 | 10116 | 20095 | 40129 | 53018 | 69912 | 7216/ | 875//       |       | 10118 | 20109 | 31010 |       | 55000 | 70033 |      |      |
| Diepholz               | 39   | 321 | 11456 | 82412 | 10115 | 20102 | 40121 | 53019 | 69922 | 71052 | 875//       |       | 10121 | 20110 | 31011 |       | 55001 | 70008 |      |      |
| Bad Salzuflen          | 135  | 325 | 11361 | 82109 | 10109 | 20093 | 40134 | 53020 | 69912 | 7015/ | 885//       |       | 10116 | 20105 | 31010 |       | 55000 | 70011 |      |      |
| Hannover, Flugh.       | 56   | 328 | 11458 | 82208 | 10116 | 20097 | 40130 | 53019 | 69902 | 72162 | 885//       |       | 10122 | 20111 | 31010 |       | 55002 | 70009 |      |      |
| Braunschweig           | 81   | 348 | 11462 | 82107 | 10116 | 20086 | 40137 | 53020 | 69902 | 72052 | 885//       |       | 10124 | 20116 | 31011 |       | 55003 | 70002 |      |      |
| Gardelegen             | 47   | 359 | 12570 | 82209 | 10119 | 20081 | 40130 | 53020 | 69902 |       | 875//       |       | 10125 | 20116 | 31011 |       | 55001 | 70001 |      |      |
| Magdeburg              | 79   | 361 | 12772 | 72207 | 10117 | 20086 | 40140 | 53021 | 69902 |       | 875//       |       | 10128 | 20106 | 31010 |       | 55008 | 70009 |      |      |
| Potsdam                | 81   | 379 | 12873 | 72310 | 10115 | 20088 | 40139 | 53021 | 69912 |       | 875//       |       | 10127 | 20104 | 31009 |       | 55008 | 70004 |      |      |
| Berlin-Dahlem          | 51   | 381 | 12875 | 72410 | 10124 | 20075 | 40138 | 53021 | 69902 |       | 875//       |       | 10133 | 20112 | 30010 |       | 55007 | 70004 |      |      |
| Berlin-Tegel, Flugh.   | 37   | 382 | 12575 | 72513 | 10129 | 20078 | 40133 | 53021 | 69902 |       | 8653//      |       | 10141 | 20119 | 30011 |       | 55006 | 70003 |      |      |
| Berlin-Tempel., Flugh. | 50   | 384 | 12672 | 82410 | 10124 | 20084 | 40135 | 53020 | 69902 |       | 875//       |       | 10135 | 20114 | 31010 |       | 55006 | 70005 |      |      |
| Berlin-Schönefeld      | 47   | 385 | 12770 | 72312 | 10122 | 20082 | 40137 | 53021 | 69902 |       | 875//       |       | 10132 | 20106 | 31009 |       | 55005 | 70004 |      |      |
| Lindenberg             | 98   | 393 | 12660 | 82410 | 10114 | 20080 | 40142 | 53021 | 69912 |       | 82540//     |       | 10126 | 20101 | 31009 |       | 55008 | 70007 |      |      |
| Manschnow              | 12   | 396 | 12662 | 72309 | 10119 | 20088 | 40129 | 53024 | 69902 |       | 875//       |       | 10127 | 20110 | 31010 |       | 55005 | 70009 |      |      |
| Düsseldorf, Flugh.     | 45   | 400 | 11459 | 82310 | 10118 | 20097 | 40151 | 53017 | 69942 | 72052 | 875//       |       | 10122 | 20110 | 31010 |       | 55000 | 70008 |      |      |
| Bocholt                | 21   | 406 | 11358 | 82210 | 10118 | 20100 | 40133 | 53018 | 69902 | 7026/ | 875//       |       | 10120 | 20116 | 31011 |       | 55001 | 70015 |      |      |
| Essen                  | 152  | 410 | 11456 | 82214 | 10113 | 20092 | 40149 | 53017 | 69912 | 72162 | 885//       |       | 10113 | 20102 | 31010 |       | 55000 | 70032 |      |      |
| Lödenscheid            | 387  | 418 | 11229 | 82408 | 10093 | 20084 | 40149 | 53017 | 69912 | 7586/ | 875//       |       | 10093 | 20086 | 31008 |       | 55000 | 70048 |      |      |
| Kahler Asten           | 839  | 427 | 11/01 | 92414 | 10061 | 20061 | 48462 | 53016 | 69912 | 75186 |             | 30    | 10061 | 20057 | 31006 |       | 55000 | 70043 |      |      |
| Bad Lippspringe        | 157  | 430 | 11360 | 82207 | 10112 | 20091 | 40144 | 53019 | 69902 | 7205/ | 875//       |       | 10115 | 20103 | 31010 |       | 55000 | 70014 |      |      |
| Kassel                 | 231  | 438 | 11475 | 82207 | 10101 | 20092 | 40153 | 53017 | 69922 | 70262 | 8227//      |       | 10123 | 20096 | 31009 |       | 55012 | 70002 |      |      |
| Göttingen              | 167  | 444 | 12468 | 72209 | 10114 | 20084 | 40152 | 53019 | 69912 |       | 878//       |       | 10123 | 20103 | 31009 |       | 55006 | 70007 |      |      |

| Station              | Höhe<br>m | iii<br>Rx | iihVV<br>Rx | Nddff<br>n | 1stTT<br>n | 2stTT<br>n | 4PPPP<br>n | Sappp | 09 Uhr UTC  |              |             |             | 06-09       |           |           |           | V.T. 18-06 |         |         |         | Erdbodentemp.<br>07 Uhr UTC |  |  |  |
|----------------------|-----------|-----------|-------------|------------|------------|------------|------------|-------|-------------|--------------|-------------|-------------|-------------|-----------|-----------|-----------|------------|---------|---------|---------|-----------------------------|--|--|--|
|                      |           |           |             |            |            |            |            |       | 7wwWW<br>12 | 8NCCC<br>HMM | ff-ff<br>xx | 2stTT<br>mm | 5ssst<br>mm | stTT<br>n | stTT<br>n | stTT<br>n | stTT<br>n  | 05<br>n | 10<br>n | 20<br>n | 50<br>n                     |  |  |  |
|                      |           |           |             |            |            |            |            |       |             |              |             |             |             |           |           |           |            |         |         |         |                             |  |  |  |
| Helgoland            | 4         | 015       | 41350       | 72223      | 10112      | 20109      | 40102      | 51019 | 71062       | 875//        | 24          | 28          | 20103       |           |           |           |            |         |         |         |                             |  |  |  |
| List/Sylt            | 26        | 020       | 41259       | 82222      | 10107      | 20104      | 40082      | 52016 | 72122       | 876//        | 23          | 31          | 20089       |           |           |           |            |         |         |         |                             |  |  |  |
| Leck                 | 7         | 022       | 41357       | 82317      | 10116      | 20096      | 40102      | 52026 | 75122       | 877//        | 27          | 20096       |             |           |           | 0102      | 0105       | 0108    | 0110    |         |                             |  |  |  |
| Husum                | 28        | 026       | 41350       | 82317      | 10117      | 20106      | 40097      | 52018 | 75165       | 877//        | 28          | 20101       |             |           |           | 0106      | 0108       | 0108    | 0114    |         |                             |  |  |  |
| Glücksburg/Meierwik  | 27        | 033       | 41450       | 82316      | 10119      | 20104      | 40095      | 52018 | 75165       | 875//        |             | 20098       |             |           |           | 0105      | 0103       | 0108    | 0116    |         |                             |  |  |  |
| Schleswig            | 43        | 035       | 41218       | 82313      | 10119      | 20109      | 40108      | 51019 | 76062       | 877//        |             | 20098       |             |           |           | 0104      | 0102       | 0106    | 0111    |         |                             |  |  |  |
| Hohn                 | 12        | 038       | 41322       | 82312      | 10120      | 20104      | 40110      | 52020 | 75352       | 877//        |             | 20108       |             |           |           | 0114      | 0112       | 0110    | 0116    |         |                             |  |  |  |
| Kiel-Holtenau        | 31        | 046       | 41357       | 82209      | 10122      | 20106      | 40113      | 52020 | 72122       | 875//        |             | 20103       |             |           |           | 0108      | 0104       | 0102    | 0108    |         |                             |  |  |  |
| Westermarsdorf       | 3         | 055       | 41562       | 82211      | 10129      | 20105      | 40111      | 51023 | 70162       | 82531        |             | 20104       |             |           |           | 0104      | 0102       | 0105    | 0109    |         |                             |  |  |  |
| Arkona               | 42        | 091       | 41466       | 72418      | 10123      | 20096      | 40116      | 53022 | 72162       | 878//        | 21          | 27          | 20099       |           |           |           |            |         |         |         |                             |  |  |  |
| Norderney            | 11        | 113       | 41558       | 82213      | 10122      | 20104      | 40111      | 51022 | 70165       | 875//        | 27          | 20114       |             |           |           | 0114      | 0111       | 0112    | 0114    |         |                             |  |  |  |
| Bremerhaven          | 7         | 129       | 41459       | 82319      | 10129      | 20100      | 40126      | 51027 | 72052       | 875//        |             | 20116       |             |           |           | 0113      | 0112       | 0116    | 0122    |         |                             |  |  |  |
| Cuxhaven             | 5         | 131       | 41360       | 82312      | 10125      | 20104      | 40118      | 52021 | 75065       | 877//        | 27          | 20114       |             |           |           | 0109      | 0108       | 0109    | 0109    |         |                             |  |  |  |
| Hamburg, Flugh.      | 16        | 147       | 41457       | 82312      | 10133      | 20107      | 40125      | 51023 | 76022       | 878//        |             | 20115       |             |           |           | 0111      | 0112       | 0116    | 0119    |         |                             |  |  |  |
| Lübeck-Blankensee    | 14        | 156       | 41460       | 82208      | 10128      | 20106      | 40125      | 51027 | 72162       | 885//        |             | 20106       |             |           |           | 0103      | 0101       | 0104    | 0104    |         |                             |  |  |  |
| Boltenhagen          | 15        | 161       | 41440       | 82313      | 10121      | 20113      | 40124      | 52026 | 72162       | 876//        |             | 20105       |             |           |           | 0104      | 0102       | 0105    | 0107    |         |                             |  |  |  |
| Schwerin             | 59        | 162       | 41450       | 82313      | 10129      | 20107      | 40129      | 51027 | 71052       | 8552//       | 25          | 20101       |             |           |           | 0108      | 0108       | 0110    | 0110    |         |                             |  |  |  |
| Rostock-Warnemünde   | 4         | 170       | 41458       | 82305      | 10112      | 20096      | 40119      | 52025 | 76162       | 877//        |             | 20106       |             |           |           | 0108      | 0106       | 0106    | 0108    |         |                             |  |  |  |
| Teterow              | 46        | 177       | 46/60       | 72314      | 10128      | 20115      | 40131      | 51024 | 72162       | 877//        |             | 20104       |             |           |           | 0106      | 0106       | 0108    | 0109    |         |                             |  |  |  |
| Barth                | 7         | 180       | 41345       | 82207      | 10119      | 20100      | 40115      | 51023 | 76182       | 8377//       |             | 20110       |             |           |           | 0111      | 0110       | 0111    | 0109    |         |                             |  |  |  |
| Greifswald           | 2         | 184       | 41356       | 82308      | 10118      | 20103      | 40128      | 51025 | 75065       | 877//        |             | 20110       |             |           |           | 0113      | 0113       | 0115    | 0113    |         |                             |  |  |  |
| Ueckermünde          | 1         | 193       | 41464       | 82308      | 10120      | 20089      | 40142      | 51027 | 70265       | 878//        |             | 20114       |             |           |           | 0114      | 0114       | 0113    | 0114    |         |                             |  |  |  |
| Emden-Flugplatz      | 0         | 200       | 41459       | 72312      | 10128      | 20104      | 40117      | 51021 | 72065       | 875//        |             | 20111       |             |           |           | 0112      | 0113       | 0112    | 0115    |         |                             |  |  |  |
| Oldenburg            | 11        | 215       | 41458       | 82309      | 10125      | 20100      | 40124      | 52021 | 72065       | 875//        |             | 20115       |             |           |           | 0114      | 0114       | 0113    | 0114    |         |                             |  |  |  |
| Bremen, Flugh.       | 3         | 224       | 41456       | 82313      | 10128      | 20107      | 40137      | 51022 | 72065       | 875//        |             | 20115       |             |           |           | 0112      | 0113       | 0112    | 0115    |         |                             |  |  |  |
| Soltau               | 77        | 235       | 41457       | 82308      | 10122      | 20103      | 40145      | 51026 | 75062       | 875//        |             | 20106       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Boizenburg           | 45        | 249       | 42461       | 82311      | 10129      | 20103      | 40140      | 51028 | 888//       |              |             | 20111       |             |           |           | 0112      | 0109       | 0110    | 0111    |         |                             |  |  |  |
| Lüchow               | 17        | 253       | 41360       | 82210      | 10125      | 20106      | 40149      | 51028 | 70262       | 885//        |             | 20116       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Seehausen            | 21        | 261       | 41562       | 82207      | 10123      | 20098      | 40157      | 51030 | 72052       | 875//        |             | 20116       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Marnitz              | 81        | 264       | 41465       | 82313      | 10134      | 20101      | 40140      | 51026 | 72062       | 875//        | 25          | 20110       |             |           |           | 0108      | 0107       | 0107    | 0107    |         |                             |  |  |  |
| Neuruppin            | 38        | 270       | 41565       | 72508      | 10136      | 20091      | 40153      | 52028 | 72162       | 878//        |             | 20114       |             |           |           | 0113      | 0110       | 0112    | 0116    |         |                             |  |  |  |
| Neubrandenburg       | 81        | 280       | 41458       | 82416      | 10122      | 20109      | 40138      | 51026 | 70252       | 875//        |             | 20107       |             |           |           | 0107      | 0103       | 0099    | 0104    |         |                             |  |  |  |
| Angermünde           | 56        | 291       | 41565       | 82513      | 10138      | 20089      | 40148      | 51026 | 70252       | 8482//       |             | 20113       |             |           |           | 0114      | 0114       | 0108    | 0120    |         |                             |  |  |  |
| Lingen               | 24        | 305       | 41457       | 72308      | 10132      | 20100      | 40140      | 51023 | 76022       | 878//        |             | 20112       |             |           |           | 0116      | 0116       | 0120    | 0123    |         |                             |  |  |  |
| Münster/Osnabrück    | 48        | 315       | 41463       | 82311      | 10125      | 20100      | 40152      | 51021 | 72162       | 878//        |             | 20112       |             |           |           | 0109      | 0109       | 0109    | 0108    |         |                             |  |  |  |
| Osnabrück            | 95        | 317       | 41462       | 82310      | 10124      | 20100      | 40151      | 51022 | 75865       | 878//        |             | 20108       |             |           |           | 0108      | 0109       | 0110    | 0108    |         |                             |  |  |  |
| Diepholz             | 39        | 321       | 41460       | 82313      | 10126      | 20102      | 40144      | 51023 | 70252       | 878//        |             | 20113       |             |           |           | 0115      | 0111       | 0110    | 0110    |         |                             |  |  |  |
| Bad Salzungen        | 135       | 325       | 41468       | 82311      | 10127      | 20096      | 40154      | 51020 | 70162       | 888//        |             | 20105       |             |           |           | 0105      | 0104       | 0104    | 0110    |         |                             |  |  |  |
| Hannover, Flugh.     | 56        | 338       | 42459       | 82211      | 10134      | 20099      | 40149      | 51020 | 888//       |              |             | 20115       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Braunschweig         | 81        | 348       | 41462       | 82307      | 10130      | 20098      | 40161      | 52024 | 72162       | 885//        |             | 20115       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Gardelen             | 47        | 359       | 41470       | 82410      | 10131      | 20091      | 40157      | 51027 | 70262       | 888//        |             | 20115       |             |           |           | 0108      | 0111       | 0114    | 0121    |         |                             |  |  |  |
| Magdeburg            | 79        | 361       | 42581       | 82308      | 10138      | 20103      | 40166      | 51026 | 70262       | 885//        |             | 20119       |             |           |           | 0112      | 0113       | 0118    | 0117    |         |                             |  |  |  |
| Potsdam              | 81        | 379       | 42580       | 72411      | 10142      | 20093      | 40163      | 51025 | 878//       |              |             | 20112       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Berlin-Dahlem        | 51        | 381       | 42780       | 72414      | 10145      | 20079      | 40162      | 52024 | 875//       |              | 25          | 20117       |             |           |           | 0116      | 0114       | 0116    | 0118    |         |                             |  |  |  |
| Berlin-Tegel, Flugh. | 37        | 382       | 42575       | 72515      | 10149      | 20085      | 40152      | 51024 | 875//       |              |             | 20120       |             |           |           | 0125      | 0122       | 0122    | 0125    |         |                             |  |  |  |
| Berlin-Temp., Flugh. | 50        | 384       | 42575       | 82412      | 10146      | 20087      | 40160      | 51025 | 875//       |              |             | 20118       |             |           |           | 0111      | 0110       | 0112    | 0111    |         |                             |  |  |  |
| Berlin-Schönefeld    | 47        | 385       | 42578       | 72412      | 10144      | 20089      | 40160      | 51024 | 878//       |              |             | 20117       |             |           |           | 0114      | 0107       | 0106    | 0114    |         |                             |  |  |  |
| Lindenberg           | 98        | 393       | 42570       | 82613      | 10154      | 20096      | 40164      | 51023 | 872//       |              |             | 20116       |             |           |           | 0110      | 0111       | 0116    | 0120    |         |                             |  |  |  |
| Manschnow            | 12        | 396       | 42462       | 72413      | 10147      | 20099      | 40154      | 51025 | 878//       |              |             | 20117       |             |           |           | 0123      | 0119       | 0119    | 0131    |         |                             |  |  |  |
| Düsseldorfer, Flugh. | 45        | 400       | 41465       | 82212      | 10131      | 20094      | 40169      | 51019 | 70252       | 888//        |             | 20116       |             |           |           | 0114      | 0114       | 0116    | 0117    |         |                             |  |  |  |
| Bocholt              | 21        | 406       | 41460       | 82412      | 10129      | 20095      | 40153      | 52020 | 70252       | 878//        |             | 20110       |             |           |           | 0109      | 0106       | 0106    | 0104    |         |                             |  |  |  |
| Essen                | 152       | 410       | 41465       | 82211      | 10121      | 20095      | 40170      | 51021 | 72065       | 878//        |             | 20106       |             |           |           | 0109      | 0106       | 0106    | 0104    |         |                             |  |  |  |
| Lödingscheid         | 387       | 418       | 41062       | 82509      | 10098      | 20091      | 40168      | 51019 | 76066       | 878//        |             | 20084       |             |           |           | 0094      | 0092       | 0096    | 0095    |         |                             |  |  |  |
| Kahler Asten         | 839       | 427       | 41/04       | 82416      | 10073      | 20073      | 48482      | 51020 | 74154       | 887//        | 26          | 20053       |             |           |           | 0068      | 0065       | 0069    | 0074    |         |                             |  |  |  |
| Bad Lippspringe      | 157       | 430       | 41463       | 72210      | 10121      | 20103      | 40166      | 51023 | 72052       | 878//        |             | 20104       |             |           |           | 0106      | 0103       | 0102    | 0103    |         |                             |  |  |  |
| Kassel               | 231       | 438       | 41578       | 72006      | 10122      | 20102      | 40173      | 52022 | 75862       | 8653//       |             | 20112       |             |           |           | 0107      | 0106       | 0106    | 0112    |         |                             |  |  |  |
| Göttingen            | 167       | 444       | 42575       | 72312      | 10139      | 20096      | 40172      | 51021 | 878//       |              |             | 20110       |             |           |           |           |            |         |         |         |                             |  |  |  |
| Leinefelde           | 356       | 449       | 42575       | 72312      | 10121      | 20088      | 40172      | 53021 | 878//       |              |             | 20102       |             |           |           | 0098      | 0096       | 0097    | 0100    |         |                             |  |  |  |
| Braunlage            | 607       | 452       | 41470       | 72312      | 10099      | 2          |            |       |             |              |             |             |             |           |           |           |            |         |         |         |                             |  |  |  |



| 12 Uhr UTC           |       |     |       |       |       |       |       |       |       | 06-12 |       |       |
|----------------------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Station              | Hoehe | iii | ihVV  | Nddff | 1stTT | 2stTT | 4PPPP | Sappp | 6RRRc | 7wwWW | 8NCCC | ff-ff |
|                      | Rx    |     |       | n     | nddd  |       |       |       | R     | 12    | hLMH  | xx yy |
| Helgoland            | 4     | 015 | 11457 | 82220 | 10115 | 20099 | 40122 | 51020 | 69901 | 71062 | 876// | 24 28 |
| List/Sylt            | 26    | 020 | 11250 | 82224 | 10110 | 20101 | 40101 | 53019 | 69911 | 72165 | 876// | 26 34 |
| Leck                 | 7     | 022 | 11356 | 82421 | 10123 | 20093 | 40121 | 52019 | 69901 | 72052 | 876// | 23 33 |
| Husum                | 28    | 026 | 11365 | 82425 | 10130 | 20096 | 40116 | 52019 | 69911 | 72065 | 871// | 25 33 |
| Glücksburg/Meierwik  | 27    | 033 | 11450 | 82319 | 10119 | 20103 | 40115 | 52020 |       | 72065 | 875// | 35    |
| Schleswig            | 43    | 035 | 11456 | 82315 | 10126 | 20113 | 40126 | 51018 | 69911 | 72165 | 875// | 28    |
| Hohn                 | 12    | 038 | 11460 | 82312 | 10139 | 20118 | 40129 | 52019 |       | 72065 | 875// |       |
| Kiel-Holtenau        | 31    | 046 | 11365 | 82313 | 10137 | 20108 | 40132 | 52020 |       | 72065 | 875// |       |
| Westermarskeldorf    | 3     | 055 | 11566 | 82214 | 10123 | 20117 | 40129 | 53018 | 69901 | 76162 | 8453/ |       |
| Arkona               | 42    | 091 | 11470 | 72422 | 10144 | 20109 | 40132 | 51017 | 69901 | 70362 | 878// | 23 31 |
| Norderney            | 11    | 113 | 11462 | 82316 | 10125 | 20098 | 40129 | 53018 | 69931 | 70262 | 875// | 29    |
| Bremerhaven          | 7     | 129 | 11562 | 82519 | 10137 | 20081 | 40144 | 52019 | 69901 | 70252 | 878// |       |
| Cuxhaven             | 5     | 131 | 11462 | 82419 | 10138 | 20090 | 40135 | 52017 | 69911 | 72065 | 878// | 27    |
| Hamburg, Flugh.      | 16    | 147 | 11459 | 82308 | 10129 | 20109 | 40142 | 52017 | 69911 | 72165 | 888// |       |
| Lübeck-Blankensee    | 14    | 156 | 11462 | 82213 | 10137 | 20122 | 40143 | 53018 | 69911 | 72162 | 885// |       |
| Boltenhagen          | 15    | 161 | 11462 | 72318 | 10139 | 20119 | 40140 | 53016 | 60041 | 72562 | 8437/ | 21 29 |
| Schwerin             | 59    | 162 | 11460 | 82313 | 10140 | 20112 | 40146 | 51018 | 69901 | 72052 | 8452/ | 25    |
| Rostock-Warnemünde   | 4     | 170 | 11560 | 82212 | 10149 | 20104 | 40134 | 53015 | 69991 | 76062 | 875// |       |
| Teterow              | 46    | 177 | 11660 | 72319 | 10149 | 20114 | 40151 | 53020 | 69901 |       |       | 26    |
| Barth                | 7     | 180 | 11556 | 82311 | 10145 | 20104 | 40134 | 51019 | 69921 | 70562 | 872// |       |
| Greifswald           | 2     | 184 | 11460 | 72514 | 10151 | 20110 | 40144 | 51016 | 69971 | 70362 | 8425/ |       |
| Ueckermünde          | 1     | 193 | 11570 | 72415 | 10159 | 20091 | 40155 | 53013 | 69901 | 70386 | 8537/ | 28    |
| Emden-Flugplatz      | 0     | 200 | 11562 | 82217 | 10128 | 20090 | 40135 | 51018 | 69901 | 70265 | 875// | 29    |
| Oldenburg            | 11    | 215 | 11568 | 72512 | 10137 | 20086 | 40144 | 52020 | 69901 | 70265 | 875// |       |
| Bremen, Flugh.       | 3     | 224 | 11562 | 62314 | 10133 | 20090 | 40154 | 53017 | 69911 | 70162 | 84831 |       |
| Soltau               | 77    | 235 | 11462 | 82412 | 10136 | 20103 | 40159 | 52014 | 69901 | 72165 | 888// |       |
| Boizenburg           | 45    | 249 | 11465 | 82409 | 10141 | 20106 | 40157 | 53017 | 69901 | 72152 | 888// |       |
| Lüchow               | 17    | 253 | 11463 | 82410 | 10145 | 20114 | 40163 | 53014 | 69901 | 70262 | 888// |       |
| Seehausen            | 81    | 261 | 11565 | 82411 | 10152 | 20101 | 40170 | 52013 | 69901 | 78052 | 873// |       |
| Marnitz              | 81    | 264 | 11470 | 82412 | 10148 | 20106 | 40156 | 51016 | 69931 | 70262 | 875// | 25    |
| Neuruppin            | 38    | 270 | 11568 | 72508 | 10157 | 20101 | 40168 | 51015 | 69901 | 70165 | 878// |       |
| Neubrandenburg       | 81    | 280 | 11460 | 82414 | 10130 | 20108 | 40158 | 53020 | 69901 | 78062 | 888// | 21 29 |
| Angermünde           | 56    | 291 | 11570 | 82511 | 10152 | 20092 | 40166 | 51018 | 69901 | 70352 | 8327/ |       |
| Lingen               | 24    | 305 | 11560 | 62210 | 10155 | 20082 | 40151 | 51011 | 69901 | 70162 | 868// | 27    |
| Münster/Osnabrück    | 48    | 315 | 11563 | 62313 | 10144 | 20094 | 40165 | 51013 | 69901 | 70162 | 86800 |       |
| Osnabrück            | 95    | 317 | 11575 | 82411 | 10145 | 20088 | 40164 | 52014 | 69901 | 70265 | 878// |       |
| Diepholz             | 39    | 321 | 11562 | 72416 | 10155 | 20101 | 40154 | 51011 | 69901 | 70152 | 87801 |       |
| Bad Salzflun         | 135   | 325 | 11469 | 82408 | 10159 | 20099 | 40167 | 51014 | 69901 | 70262 | 888// |       |
| Hannover, Flugh.     | 56    | 338 | 12562 | 82309 | 10142 | 20102 | 40164 | 52015 |       | 875// |       |       |
| Braunschweig         | 81    | 348 | 11572 | 82510 | 10152 | 20091 | 40172 | 52012 | 69901 | 70262 | 878// |       |
| Gardelegen           | 47    | 359 | 11570 | 72410 | 10156 | 20092 | 40167 | 51011 | 69901 | 70262 | 878// |       |
| Magdeburg            | 79    | 361 | 12682 | 82107 | 10158 | 20090 | 40174 | 51009 |       | 885// |       |       |
| Potsdam              | 81    | 379 | 12681 | 72410 | 10165 | 20099 | 40176 | 51013 |       | 878// |       |       |
| Berlin-Dahlem        | 51    | 381 | 12674 | 72710 | 10169 | 20089 | 40175 | 52014 |       | 878// |       | 25    |
| Berlin-Tegel, Flugh. | 37    | 382 | 12576 | 72715 | 10164 | 20088 | 40168 | 51016 |       | 878// |       | 25    |
| Berlin-Temp., Flugh. | 50    | 384 | 12582 | 72512 | 10161 | 20096 | 40173 | 51014 |       | 878// |       |       |
| Berlin-Schönefeld    | 47    | 385 | 12680 | 72413 | 10159 | 20099 | 40175 | 51015 |       | 878// |       |       |
| Lindenberg           | 98    | 391 | 12682 | 72710 | 10157 | 20096 | 40178 | 51014 |       | 872// |       |       |
| Manschnow            | 12    | 396 | 12565 | 72512 | 10165 | 20101 | 40168 | 52014 |       | 872// |       |       |
| Düsseld., Flugh.     | 45    | 400 | 11460 | 72208 | 10120 | 20105 | 40181 | 51012 | 69921 | 72052 | 875// |       |
| Bocholt              | 21    | 406 | 11562 | 72312 | 10147 | 20097 | 40163 | 51010 | 69911 | 70252 | 878// |       |
| Essen                | 152   | 410 | 11257 | 82112 | 10110 | 20098 | 40182 | 51011 | 69911 | 75165 | 888// |       |
| Lüdenscheid          | 387   | 418 | 11368 | 82410 | 10113 | 20097 | 40176 | 51010 | 69961 | 72166 | 878// | 26    |
| Kahler Asten         | 839   | 427 | 11/06 | 92211 | 10079 | 20078 | 48494 | 51012 | 69911 | 72585 | 888// |       |
| Bad Lippspringe      | 157   | 430 | 11465 | 82407 | 10130 | 20104 | 40178 | 51012 | 69901 | 70262 | 875// |       |
| Kassel               | 231   | 438 | 11584 | 72205 | 10140 | 20097 | 40178 | 51006 | 69901 | 70262 | 875// |       |
| Göttingen            | 167   | 444 | 12580 | 82311 | 10147 | 20101 | 40180 | 51009 |       | 888// |       |       |
| Leinefelde           | 356   | 449 | 12580 | 72209 | 10138 | 20099 | 40180 | 53010 |       | 875// |       |       |
| Braunlage            | 607   | 452 | 11483 | 82209 | 10108 | 20086 | 40179 | 52015 | 69931 | 76165 | 888// |       |
| Brocken              | 1142  | 453 | 11/90 | 92324 | 10057 | 20055 | 48490 | 53020 | 60011 | 74754 |       | 32 43 |
| Artern               | 164   | 460 | 12672 | 82412 | 10156 | 20101 | 40186 | 53009 |       | 888// |       | 26    |
| Leipzig-Schkeuditz   | 144   | 469 | 12580 | 72414 | 10162 | 20097 | 40183 | 51008 |       | 878// |       |       |
| Wittenberg           | 105   | 474 | 12681 | 72407 | 10172 | 20093 | 40177 | 51009 |       | 878// |       |       |
| Oschatz              | 150   | 480 | 12680 | 72412 | 10167 | 20100 | 40190 | 51009 |       | 878// |       | 25    |
| Dresden-Klotzsche    | 230   | 488 | 12684 | 72612 | 10165 | 20082 | 40189 | 51007 |       | 8683/ |       |       |
| Doberlug-Kirchhain   | 97    | 490 | 12575 | 72511 | 10169 | 20093 | 40186 | 51009 |       | 878// |       | 28    |
| Cottbus              | 69    | 496 | 12682 | 72410 | 10171 | 20096 | 40183 | 51012 |       | 878// |       |       |
| Görlitz              | 237   | 499 | 12780 | 82411 | 10146 | 20082 | 40189 | 51010 |       | 872// |       |       |
| Aachen               | 202   | 501 | 11584 | 62209 | 10138 | 20089 | 40173 | 51008 | 69901 | 70165 | 86800 |       |
| Nörvenich            | 118   | 502 | 11681 | 72306 | 10159 | 20093 | 40187 | 52011 |       | 70262 | 875// |       |
| Nürnberg/Barweiler   | 485   | 506 | 11580 | 72511 | 10126 | 20073 | 40178 | 51009 | 69901 | 70182 | 8684/ |       |
| Köln/Bonn, Flugh.    | 91    | 513 | 11586 | 82306 | 10146 | 20102 | 40181 | 52007 | 69911 | 70262 | 878// |       |
| Mendig               | 182   | 514 | 12665 | 72109 | 10155 | 20092 | 40189 | 51003 |       | 878// |       |       |
| Bendorf              | 127   | 515 | 11581 | 72208 | 10161 | 20113 | 40184 | 50003 | 69901 | 70162 | 8783/ |       |
| Bad Marienberg       | 547   | 526 | 11482 | 82308 | 10113 | 20083 | 40189 | 51010 | 69901 | 70242 | 872// |       |
| Giesen               | 186   | 532 | 12570 | 72004 | 10149 | 20096 | 40190 | 53006 |       | 878// |       |       |
| Bad Hersfeld         | 273   | 542 | 11565 | 72307 | 10153 | 20094 | 40190 | 50004 | 69901 | 70262 | 878// |       |
| Wasserkuppe          | 921   | 544 | 11362 | 72309 | 10102 | 20073 | 48515 | 51009 | 69901 | 70254 | 872// | 25    |
| Meiningen            | 450   | 548 | 11575 | 72007 | 10134 | 20088 | 40194 | 52005 | 69901 | 70262 | 872// |       |
| Schmücke             | 937   | 552 | 11/75 | 72215 | 10070 | 20069 | 48505 | 51007 | 69941 | 72865 | 878// |       |
| Erfurt-Bindersleben  | 315   | 554 | 11581 | 71911 | 10147 | 20096 | 40186 | 53006 | 69901 | 70362 | 872// |       |
| Neuhaus a.R.         | 845   | 557 | 11458 | 72407 | 10098 | 20074 | 48513 | 53008 | 69901 | 70354 | 875// |       |
| Gera-Leumnitz        | 311   | 567 | 12582 | 82309 | 10153 | 20095 | 40184 | 51005 |       | 878// |       | 27    |
| Chemnitz             | 418   | 577 | 12578 | 82511 | 10133 | 20080 | 40193 | 52007 |       | 878// |       |       |
| Fichtelberg          | 1213  | 578 | 13280 | 72417 | 10063 | 20043 | 48516 | 52012 | 70342 | 878// | 23 31 |       |
| Zinnwald-Georg.      | 877   | 582 | 12486 | 72608 | 10107 | 20053 | 48522 | 52010 |       | 878// |       |       |
| Lichtenhain/Mittelnd | 300   | 591 | 12678 | 82408 | 10155 | 20071 | 40188 | 51007 |       | 878// |       |       |
| Trier-Petrisberg     | 265   | 609 | 12580 | 72611 | 10145 | 20070 | 40191 | 52010 |       | 872// |       |       |
| Deuselbach           | 480   | 615 | 12581 | 72412 | 10129 | 20087 | 40196 | 53005 |       | 878// |       |       |
| Hahn                 | 491   | 616 | 12580 | 72213 | 10136 | 20081 | 40185 | 52008 |       | 878// |       |       |
| Kl.Feldberg/Ts.      | 805   | 635 | 11065 | 72208 | 10082 | 20080 | 48512 | 53008 | 69911 | 72865 |       |       |
| Frankfurt/M. Flugh.  | 111   | 637 | 12570 | 72210 | 10159 | 20094 | 40197 | 53001 |       | 878// |       |       |
| Michelstadt/Vielbrun | 453   | 648 | 12582 | 72208 | 10141 | 20071 | 40200 | 52004 |       | 878// |       |       |
| Würzburg             | 268   | 655 | 12680 | 62408 | 10155 | 20090 | 40198 | 52001 |       | 86801 |       |       |
| Bad Kissingen        | 262   | 658 | 11582 | 72314 | 10150 | 20082 | 40194 | 52001 | 69901 | 70262 | 878// |       |
| Coburg               | 322   | 671 | 12578 | 72006 | 10144 | 20084 | 40203 | 51002 |       | 878// |       |       |
| Bamberg              | 239   | 675 | 12575 | 71905 | 10166 | 20091 | 40203 | 51005 |       | 878// |       |       |
| Hof                  | 567   | 685 | 12582 | 72308 | 10135 | 20081 | 40197 | 53003 |       | 878// |       |       |
| Weiden               | 438   | 688 | 12682 | 72305 | 10143 | 20057 | 40206 | 51003 |       | 878// |       |       |
| Berus                | 363   | 704 | 12581 | 82009 | 10144 | 20073 | 40195 | 52004 |       | 888// |       |       |
| Tholey               | 396   | 706 | 12475 | 72109 | 10135 | 20078 | 40199 | 52004 |       | 878// |       |       |
| Saarbrücken, Flugh.  | 322   | 708 | 12580 | 72507 | 10132 | 20088 | 40202 | 53003 |       | 888// |       |       |

| Station              | Hoehe | iii | ihhVV | Nddff | 1stTT | 2stTT | 4PPPP | Sappp | R | 7wwWW | 8NCCC | ff-ff | 1stTT | Erdbodentemp. |      |      |      |
|----------------------|-------|-----|-------|-------|-------|-------|-------|-------|---|-------|-------|-------|-------|---------------|------|------|------|
|                      |       |     |       |       |       |       |       |       |   |       |       |       |       | 14 Uhr UTC    |      |      |      |
|                      |       |     |       |       |       |       |       |       |   |       |       |       |       | 05            | 10   | 20   | 50   |
| Station              | Hoehe | iii | ihhVV | Nddff | 1stTT | 2stTT | 4PPPP | Sappp | R | 7wwWW | 8NCCC | ff-ff | 1stTT | sTTT          | sTTT | sTTT | sTTT |
|                      |       |     | Rx    | n     | n     | n     | n     |       |   | 12    | hLMH  | xx    | gg    | n             | n    | n    | n    |
| Helgoland            | 4     | 015 | 41457 | 82219 | 10114 | 20102 | 40139 | 51017 |   | 71022 | 876// | 21    | 27    |               |      |      |      |
| List/Sylt            | 26    | 020 | 42358 | 72222 | 10111 | 20099 | 40120 | 52019 |   |       | 875// | 26    | 35    |               |      |      |      |
| Leck                 | 7     | 022 | 41357 | 82320 | 10120 | 20094 | 40138 | 52017 |   | 71022 | 876// | 23    | 31    | 0122          | 0121 | 0114 | 0109 |
| Husum                | 28    | 026 | 42360 | 82419 | 10124 | 20097 | 40135 | 52019 |   |       | 876// | 26    | 33    | 0131          | 0128 | 0116 | 0113 |
| Glücksburg/Meierwik  | 27    | 033 | 41435 | 82318 | 10118 | 20108 | 40132 | 52017 |   | 75122 | 875// | 23    | 38    | 0132          | 0126 | 0118 | 0114 |
| Schleswig            | 43    | 035 | 41458 | 82211 | 10121 | 20102 | 40144 | 51018 |   | 72162 | 875// |       | 33    | 0129          | 0122 | 0114 | 0110 |
| Hohn                 | 12    | 038 | 41460 | 82311 | 10131 | 20103 | 40145 | 52016 |   | 70162 | 875// |       |       | 0146          | 0135 | 0123 | 0115 |
| Kiel-Holtenau        | 31    | 046 | 41565 | 72312 | 10133 | 20092 | 40146 | 52013 |   | 70262 | 875// |       |       | 0140          | 0131 | 0118 | 0104 |
| Westermarke/dorf     | 3     | 055 | 41562 | 72211 | 10120 | 20107 | 40143 | 52014 |   | 76062 | 8653/ |       |       | 0136          | 0129 | 0118 | 0109 |
| Arkona               | 42    | 091 | 41470 | 82520 | 10137 | 20102 | 40149 | 51017 |   | 72162 | 878// | 23    | 31    |               |      |      |      |
| Norderney            | 11    | 113 | 42465 | 82415 | 10135 | 20096 | 40145 | 53016 |   | 8387/ |       | 30    |       | 0140          | 0132 | 0124 | 0114 |
| Bremervorhaven       | 7     | 129 | 42662 | 82417 | 10144 | 20089 | 40157 | 53013 |   | 875// |       | 24    | 30    |               |      |      |      |
| Cuxhaven             | 5     | 131 | 42462 | 82410 | 10136 | 20093 | 40151 | 52016 |   | 875// |       | 31    |       | 0143          | 0137 | 0130 | 0120 |
| Hamburg, Flugh.      | 16    | 147 | 41565 | 82313 | 10148 | 20093 | 40153 | 53011 |   | 70252 | 885// |       |       | 0131          | 0126 | 0115 | 0109 |
| Lübeck-Blankensee    | 14    | 156 | 41470 | 82411 | 10142 | 20106 | 40156 | 51013 |   | 72162 | 885// |       |       | 0144          | 0136 | 0123 | 0117 |
| Boltenhagen          | 15    | 161 | 41460 | 82314 | 10135 | 20113 | 40154 | 52014 |   | 72582 | 8537/ | 26    |       | 0129          | 0122 | 0112 | 0103 |
| Schwerin             | 59    | 162 | 42565 | 72314 | 10141 | 20104 | 40162 | 52015 |   |       | 875// | 26    |       | 0139          | 0131 | 0118 | 0107 |
| Rostock-Warnemünde   | 4     | 170 | 41460 | 82309 | 10142 | 20095 | 40150 | 51016 |   | 72162 | 8562/ | 31    |       | 0150          | 0137 | 0122 | 0111 |
| Teterow              | 46    | 177 | 46/60 | 72314 | 10147 | 20111 | 40164 | 53013 |   |       |       | 25    |       | 0166          | 0148 | 0124 | 0107 |
| Barth                | 7     | 180 | 41456 | 82510 | 10142 | 20099 | 40150 | 53016 |   | 72582 | 833// |       |       | 0134          | 0127 | 0115 | 0108 |
| Greifswald           | 2     | 184 | 42570 | 82210 | 10148 | 20108 | 40158 | 52014 |   | 883// |       |       |       | 0152          | 0144 | 0126 | 0115 |
| Ueckermünde          | 1     | 193 | 46/59 | 72311 | 10150 | 20097 | 40175 | 51020 |   |       |       | 29    |       | 0133          | 0126 | 0117 | 0108 |
| Emden-Flugplatz      | 0     | 200 | 42568 | 82312 | 10141 | 20084 | 40149 | 51014 |   | 875// |       | 27    |       | 0134          | 0124 | 0117 | 0113 |
| Oldenburg            | 11    | 215 | 42570 | 62712 | 10162 | 20088 | 40154 | 52010 |   | 86801 |       |       |       | 0139          | 0134 | 0118 | 0111 |
| Bremen, Flugh.       | 3     | 224 | 42670 | 72414 | 10163 | 20089 | 40162 | 53008 |   | 8683/ |       |       |       | 0147          | 0135 | 0118 | 0114 |
| Soltau               | 77    | 235 | 42565 | 72510 | 10156 | 20091 | 40167 | 53009 |   | 878// |       |       |       | 0159          | 0146 | 0122 | 0110 |
| Boizenburg           | 45    | 249 | 42568 | 72514 | 10152 | 20092 | 40168 | 53011 |   | 878// |       |       |       | 0144          | 0136 | 0121 | 0111 |
| Löschow              | 17    | 253 | 42565 | 72311 | 10153 | 20109 | 40172 | 51009 |   | 86801 |       |       |       | 0163          | 0132 | 0126 | 0112 |
| Seehausen            | 21    | 261 | 41568 | 72410 | 10158 | 20096 | 40182 | 52012 |   | 72582 | 878// |       |       | 0153          | 0141 | 0128 | 0117 |
| Marnitz              | 81    | 264 | 46/60 | 72109 | 10147 | 20101 | 40169 | 51013 |   |       |       |       |       | 0152          | 0140 | 0122 | 0107 |
| Neuruppin            | 38    | 270 | 41570 | 72405 | 10154 | 20093 | 40181 | 53013 |   | 70282 | 878// |       |       |               |      |      |      |
| Neubrandenburg       | 81    | 280 | 41468 | 82418 | 10153 | 20111 | 40169 | 51011 |   | 70382 | 872// | 28    |       | 0138          | 0131 | 0114 | 0104 |
| Angermünde           | 56    | 291 | 42575 | 72409 | 10162 | 20101 | 40179 | 51013 |   | 878// |       |       |       | 0163          | 0150 | 0120 | 0119 |
| Lingen               | 24    | 305 | 42560 | 72209 | 10162 | 20086 | 40160 | 52009 |   | 878// |       |       |       | 0150          | 0149 | 0127 | 0122 |
| Münster/Osnabrück    | 48    | 315 | 42563 | 72313 | 10150 | 20096 | 40172 | 53007 |   | 878// |       |       |       | 0151          | 0137 | 0117 | 0108 |
| Osnabrück            | 95    | 317 | 41575 | 72309 | 10144 | 20087 | 40172 | 53008 |   | 70282 | 878// | 27    |       | 0133          | 0126 | 0116 | 0108 |
| Diepholz             | 39    | 321 | 42562 | 72213 | 10154 | 20101 | 40165 | 51011 |   | 87801 |       |       |       | 0152          | 0146 | 0122 | 0110 |
| Bad Salzflun         | 135   | 325 | 42570 | 72411 | 10139 | 20096 | 40178 | 53011 |   | 878// |       |       |       | 0151          | 0136 | 0113 | 0109 |
| Hannover, Flugh.     | 56    | 338 | 42570 | 72310 | 10159 | 20108 | 40172 | 52008 |   | 878// |       |       |       | 0141          | 0124 | 0115 | 0108 |
| Braunschweig         | 81    | 348 | 42570 | 72408 | 10156 | 20100 | 40181 | 52009 |   | 878// |       |       |       | 0152          | 0135 | 0121 | 0108 |
| Gardelegen           | 47    | 359 | 42570 | 72409 | 10159 | 20094 | 40178 | 51011 |   | 86801 |       |       |       | 0158          | 0151 | 0134 | 0120 |
| Magdeburg            | 79    | 361 | 42682 | 82407 | 10163 | 20100 | 40186 | 51012 |   | 885// |       |       |       | 0149          | 0137 | 0123 | 0116 |
| Potsdam              | 81    | 379 | 42681 | 82408 | 10168 | 20105 | 40188 | 53012 |   | 888// |       |       |       | 0181          | 0169 | 0141 | 0125 |
| Berlin-Dahlem        | 51    | 381 | 42682 | 72509 | 10169 | 20086 | 40186 | 52011 |   | 878// |       |       |       | 0161          | 0147 | 0122 | 0117 |
| Berlin-Tegel, Flugh. | 37    | 382 | 42677 | 72709 | 10175 | 20086 | 40179 | 53011 |   | 874// |       |       |       | 0190          | 0168 | 0140 | 0125 |
| Berlin-Temp., Flugh. | 50    | 384 | 42582 | 82406 | 10170 | 20096 | 40184 | 51011 |   | 888// |       |       |       | 0146          | 0133 | 0121 | 0111 |
| Berlin-Schönefeld    | 47    | 385 | 42682 | 72308 | 10162 | 20102 | 40186 | 52011 |   | 878// |       |       |       | 0148          | 0139 | 0126 | 0114 |
| Lindenbergr          | 98    | 393 | 42680 | 82508 | 10169 | 20099 | 40190 | 53013 |   | 878// |       |       |       | 0180          | 0152 | 0132 | 0119 |
| Manschnow            | 12    | 396 | 41565 | 72708 | 10172 | 20102 | 40181 | 51013 |   | 70282 | 878// |       |       | 0162          | 0164 | 0142 | 0130 |
| Düsseldorfr, Flugh.  | 45    | 400 | 42575 | 62412 | 10163 | 20098 | 40180 | 50000 |   | 86800 |       |       |       | 0158          | 0138 | 0123 | 0116 |
| Bocholt              | 21    | 406 | 42570 | 72308 | 10152 | 20090 | 40168 | 51005 |   | 878// |       |       |       | 0148          | 0136 | 0122 | 0114 |
| Essen                | 152   | 410 | 42465 | 72312 | 10145 | 20091 | 40182 | 51003 |   | 878// |       |       |       | 0150          | 0132 | 0116 | 0104 |
| Lödenscheid          | 387   | 418 | 42475 | 72206 | 10130 | 20096 | 40180 | 52006 |   | 878// |       |       |       | 0106          | 0105 | 0097 | 0094 |
| Kahler Asten *       | 839   | 427 | 41273 | 82113 | 10090 | 20079 | 48504 | 51008 |   | 70342 | 888// |       |       | 0095          | 0083 | 0074 | 0074 |
| Bad Lippspringe      | 157   | 430 | 41475 | 82412 | 10143 | 20103 | 40183 | 53006 |   | 70262 | 888// |       |       | 0135          | 0124 | 0115 | 0104 |
| Kassel               | 231   | 438 | 42581 | 71908 | 10152 | 20101 | 40182 | 51005 |   | 875// |       |       |       | 0146          | 0136 | 0122 | 0111 |
| Göttingen            | 167   | 444 | 42575 | 72108 | 10158 | 20110 | 40187 | 51007 |   | 878// |       |       |       | 0125          | 0120 | 0110 | 0108 |
| Leinefelde           | 356   | 449 | 42575 | 72009 | 10140 | 20095 | 40188 | 51008 |   | 878// |       |       |       | 0147          | 0133 | 0114 | 0099 |
| Braunlage            | 607   | 452 | 41482 | 72208 | 10107 | 20084 | 40190 | 51011 |   | 70262 | 878// |       |       | 0106          | 0098 | 0087 | 0084 |
| Brocken *            | 1142  | 453 | 41/90 | 82231 | 10062 | 20060 | 48495 | 50005 |   | 74565 |       | 31    | 40    |               |      |      |      |
| Artern               | 164   | 460 | 42680 | 62508 | 10158 | 20097 | 40196 | 51010 |   | 86800 |       |       |       | 0173          | 0148 | 0127 | 0121 |
| Leipzig-Schkeuditz   | 144   | 469 | 42680 | 72409 | 10159 | 20097 | 40195 | 53012 |   | 878// |       |       |       | 0189          | 0165 | 0140 | 0122 |
| Wittenbergr          | 105   | 474 | 42783 | 82504 | 10163 | 20088 | 40189 | 53011 |   | 875// |       |       |       | 0176          | 0166 | 0144 | 0119 |
| Oschatz              | 150   | 480 | 42682 | 72408 | 10165 | 20096 | 40199 | 51009 |   | 878// |       |       |       | 0189          | 0168 | 0137 | 0116 |
| Dresden-Klotzsche    | 230   | 488 | 42684 | 72410 | 10162 | 20080 | 40200 | 51011 |   | 878// |       |       |       | 0181          | 0165 | 0137 | 0116 |
| Doblerug-Kirchhain   | 97    | 490 | 42680 | 72409 | 10170 | 20089 | 40197 | 51011 |   | 878// |       |       |       | 0187          | 0174 | 0148 | 0117 |
| Cottbus              | 69    | 496 | 42682 | 82408 | 10177 | 20098 | 40194 | 52011 |   | 885// |       |       |       | 0214          | 0196 | 0162 | 0128 |
| Görlitz              | 237   | 499 | 42684 | 72409 | 10164 | 20083 | 40195 | 51007 |   | 872// |       |       |       |               |      |      |      |

| Station              | Hoehe<br>R <sub>x</sub> | iii<br>R <sub>x</sub> | iihVV<br>R <sub>x</sub> | Nddff<br>R <sub>x</sub> | 1stTT<br>n | 2stTT<br>n | 4PPTT<br>n | 5app<br>n | 6RRR <sub>T</sub><br>n | 7wWW<br>R | 8NCCC<br>R | 12-18<br>ff-ff<br>xx-gg | 06-18<br>1stTT<br>nnnn | 06-18<br>2stTT<br>nnnn | 06-18<br>5sst<br>R |
|----------------------|-------------------------|-----------------------|-------------------------|-------------------------|------------|------------|------------|-----------|------------------------|-----------|------------|-------------------------|------------------------|------------------------|--------------------|
| Helgoland            | 4                       | 015                   | 13246                   | 62215                   | 10113      | 20089      | 40152      | 52013     | 69902                  |           | 84531      | 21 27                   | 10119                  | 20105                  |                    |
| List/Sylt            | 26                      | 020                   | 12665                   | 72221                   | 10114      | 20091      | 40133      | 51012     | 69912                  |           | 8353/      | 26 35                   | 10116                  | 20102                  |                    |
| Leck                 | 7                       | 022                   | 12665                   | 72418                   | 10123      | 20083      | 40149      | 52011     | 69902                  |           | 875//      | 23 31                   | 10127                  | 20107                  |                    |
| Rusum                | 28                      | 026                   | 12770                   | 72318                   | 10126      | 20088      | 40152      | 52017     | 69912                  |           | 82530      | 26 33                   | 10142                  | 20111                  |                    |
| Glücksburg/Meierwik  | 27                      | 033                   | 11462                   | 82317                   | 10121      | 20090      | 40147      | 52015     | 69932                  | 70352     | 875//      | 23 38                   | 10129                  | 20107                  |                    |
| Schleswig            | 43                      | 035                   | 11462                   | 72515                   | 10125      | 20088      | 40160      | 51016     | 69912                  |           | 70165      | 875//                   | 33                     | 10136                  | 20109              |
| Hohn                 | 12                      | 038                   | 11560                   | 72307                   | 10128      | 20107      | 40158      | 52013     | 69952                  |           | 70162      | 875//                   |                        | 10141                  | 20113              |
| Kiel-Holtenau        | 31                      | 046                   | 11560                   | 72308                   | 10125      | 20100      | 40163      | 52017     | 69932                  |           | 72062      | 875//                   |                        | 10142                  | 20116              |
| Westermarsdorsdorf   | 3                       | 055                   | 11458                   | 82312                   | 10121      | 20101      | 40162      | 52019     | 69912                  |           | 75865      | 877//                   |                        | 10137                  | 20106              |
| Arkona               | 42                      | 091                   | 11465                   | 82416                   | 10123      | 20100      | 40167      | 51017     | 69902                  |           | 72065      | 8687/                   | 23 31                  | 10145                  | 20099              |
| Norderney            | 11                      | 113                   | 12568                   | 72213                   | 10133      | 20083      | 40158      | 53013     | 69932                  |           | 878//      | 24 30                   | 10136                  | 20114                  |                    |
| Bremerhaven          | 7                       | 129                   | 12762                   | 72410                   | 10145      | 20094      | 40169      | 53012     | 69902                  |           | 875//      | 31                      | 10142                  | 20113                  |                    |
| Cuxhaven             | 5                       | 131                   | 12562                   | 72510                   | 10136      | 20093      | 40165      | 52014     | 69912                  |           | 875//      |                         | 10163                  | 20116                  |                    |
| Hamburg, Flugh.      | 16                      | 147                   | 11563                   | 62506                   | 10150      | 20096      | 40164      | 53011     | 69912                  | 70252     | 86800      |                         | 10153                  | 20109                  |                    |
| Lübeck-Blankensee    | 14                      | 156                   | 16/60                   | /2305                   | 10152      | 20104      | 40166      | 52010     | 69932                  |           |            |                         | 26                     | 10150                  | 20105              |
| Boltenhagen          | 15                      | 161                   | 11462                   | 72206                   | 10139      | 20108      | 40168      | 53014     | 60042                  | 70182     | 873//      |                         | 26                     | 10154                  | 20107              |
| Schwerin             | 59                      | 162                   | 12668                   | 62108                   | 10151      | 20099      | 40169      | 53008     | 69902                  |           | 86500      |                         | 31                     | 10151                  | 20111              |
| Rostock-Warnemünde   | 4                       | 170                   | 11460                   | 82406                   | 10144      | 20095      | 40166      | 53016     | 60012                  | 70362     | 8662/      |                         | 25                     | 10153                  | 20107              |
| Teterow              | 46                      | 177                   | 16/60                   | /2209                   | 10145      | 20109      | 40177      | 53013     | 69902                  |           |            |                         |                        | 10147                  | 20109              |
| Barth                | 7                       | 180                   | 16/60                   | /2407                   | 10138      | 20098      | 40166      | 53016     | 69922                  |           |            |                         |                        | 10163                  | 20107              |
| Greifswald           | 2                       | 184                   | 16/60                   | /2107                   | 10142      | 20102      | 40174      | 52016     | 69972                  | 72162     | 8452/      |                         | 29                     | 10163                  | 20111              |
| Uckermark            | 1                       | 193                   | 16/59                   | /2107                   | 10149      | 20091      | 40188      | 53013     | 69902                  |           |            |                         | 27                     | 10141                  | 20116              |
| Emden-Flugplatz      | 0                       | 200                   | 12568                   | 72408                   | 10134      | 20087      | 40161      | 52012     | 69902                  |           | 878//      |                         |                        | 10164                  | 20115              |
| Oldenburg            | 11                      | 215                   | 12762                   | 72507                   | 10148      | 20074      | 40164      | 53010     | 69902                  |           | 875//      |                         |                        | 10165                  | 20115              |
| Bremen, Flugh.       | 3                       | 224                   | 12665                   | 72207                   | 10146      | 20096      | 40173      | 52011     | 69912                  |           | 875//      |                         |                        | 10167                  | 20113              |
| Soltau               | 77                      | 235                   | 16/60                   | /2308                   | 10148      | 20095      | 40180      | 53012     | 69902                  |           |            |                         |                        | 10162                  | 20110              |
| Boizenburg           | 45                      | 249                   | 16/60                   | /2409                   | 10149      | 20087      | 40179      | 53011     | 69902                  |           |            |                         |                        | 10164                  | 20119              |
| Lüchow               | 17                      | 253                   | 16/60                   | /2105                   | 10152      | 20117      | 40183      | 53011     | 69902                  |           | 70182      | 875//                   |                        | 10173                  | 20121              |
| Seehausen            | 21                      | 261                   | 11765                   | 72307                   | 10155      | 20100      | 40191      | 53009     | 69902                  |           |            |                         |                        | 10157                  | 20109              |
| Marnitz              | 81                      | 264                   | 16/60                   | /2107                   | 10148      | 20098      | 40181      | 53012     | 69932                  |           |            |                         |                        | 10168                  | 20122              |
| Neuruppin            | 38                      | 270                   | 11570                   | 72206                   | 10159      | 20099      | 40189      | 53008     | 69902                  | 70282     | 878//      |                         | 28                     | 10156                  | 20103              |
| Neubrandenburg       | 81                      | 280                   | 11460                   | 62213                   | 10144      | 20109      | 40182      | 51013     | 69902                  | 70382     | 86800      |                         |                        | 10168                  | 20119              |
| Angermünde           | 56                      | 291                   | 12775                   | 72206                   | 10155      | 20095      | 40189      | 52010     | 69902                  |           | 875//      |                         |                        | 10168                  | 20115              |
| Lingen               | 24                      | 305                   | 12559                   | 72106                   | 10151      | 20089      | 40172      | 53012     | 69902                  |           | 878//      |                         |                        | 10155                  | 20118              |
| Münster/Osnabrück    | 48                      | 315                   | 12775                   | 62208                   | 10152      | 20082      | 40180      | 53008     | 69902                  |           | 86500      |                         |                        | 10156                  | 20116              |
| Osnabrück            | 95                      | 317                   | 16/60                   | /2306                   | 10150      | 20077      | 40181      | 53009     | 69902                  |           | 878//      |                         |                        | 10164                  | 20115              |
| Diepholz             | 39                      | 321                   | 12668                   | 72406                   | 10147      | 20097      | 40177      | 51011     | 69902                  |           | 878//      |                         | 27                     | 10153                  | 20109              |
| Bad Salzungen        | 135                     | 325                   | 12470                   | 72104                   | 10140      | 20099      | 40186      | 53007     | 69902                  |           | 878//      |                         |                        | 10163                  | 20116              |
| Hannover, Flugh.     | 56                      | 338                   | 32570                   | 72405                   | 10147      | 20102      | 40182      | 52010     |                        | 70282     | 878//      |                         |                        | 10159                  | 20112              |
| Braunschweig         | 81                      | 348                   | 11580                   | 72004                   | 10153      | 20106      | 40189      | 53008     | 69902                  |           |            |                         |                        | 10173                  | 20119              |
| Gardelogen           | 47                      | 359                   | 16/60                   | /2004                   | 10154      | 20109      | 40186      | 53008     | 69902                  |           |            |                         |                        | 10167                  | 20117              |
| Magdeburg            | 79                      | 361                   | 32780                   | 71904                   | 10161      | 20111      | 40193      | 53007     |                        |           | 875//      |                         |                        | 10173                  | 20115              |
| Potsdam              | 81                      | 379                   | 32782                   | 72204                   | 10161      | 20110      | 40196      | 53008     |                        |           | 875//      |                         |                        | 10172                  | 20124              |
| Berlin-Dahlem        | 51                      | 381                   | 32682                   | 72506                   | 10167      | 20086      | 40197      | 52010     |                        |           | 878//      |                         |                        | 10180                  | 20129              |
| Berlin-Tegel, Flugh. | 37                      | 382                   | 32680                   | 72509                   | 10169      | 20089      | 40188      | 53009     |                        |           | 878//      |                         |                        | 10173                  | 20123              |
| Berlin-Temp., Flugh. | 50                      | 384                   | 32683                   | 72106                   | 10169      | 20102      | 40193      | 53009     |                        |           | 878//      |                         |                        | 10170                  | 20122              |
| Berlin-Schönefeld    | 47                      | 385                   | 32682                   | 72107                   | 10161      | 20108      | 40195      | 53009     |                        |           | 875//      |                         |                        | 10179                  | 20114              |
| Lindenberg           | 98                      | 393                   | 32777                   | 72205                   | 10159      | 20098      | 40199      | 53008     |                        |           |            |                         |                        | 10174                  | 20119              |
| Manschnow            | 12                      | 396                   | 16/60                   | /2205                   | 10160      | 20109      | 40190      | 53009     | 69902                  |           |            |                         |                        | 10166                  | 20114              |
| Düsseldorff, Flugh.  | 45                      | 400                   | 12775                   | 72406                   | 10152      | 20095      | 40189      | 52008     | 69922                  |           | 875//      |                         |                        | 10157                  | 20113              |
| Bocholt              | 21                      | 406                   | 12570                   | 72209                   | 10147      | 20080      | 40178      | 53010     | 69912                  |           | 875//      |                         |                        | 10159                  | 20109              |
| Essen                | 152                     | 410                   | 11680                   | 72308                   | 10144      | 20085      | 40191      | 53008     | 69912                  | 70252     | 875//      |                         |                        | 10137                  | 20093              |
| Lödenscheid          | 387                     | 418                   | 16/60                   | /2407                   | 10130      | 20094      | 40186      | 53006     | 69962                  |           |            |                         |                        | 10102                  | 20061              |
| Kahler Asten *       | 839                     | 427                   | 11482                   | 72114                   | 10096      | 20072      | 48511      | 53007     | 69942                  | 70242     | 878//      |                         |                        | 10147                  | 20111              |
| Bad Lippepringe      | 157                     | 430                   | 11670                   | 72102                   | 10143      | 20110      | 40186      | 53003     | 69902                  | 70262     | 875//      |                         |                        | 10156                  | 20101              |
| Kassel               | 231                     | 438                   | 12680                   | 62006                   | 10148      | 20098      | 40189      | 53007     | 69902                  |           | 86500      |                         |                        | 10159                  | 20114              |
| Göttingen            | 167                     | 444                   | 32680                   | 72004                   | 10153      | 20105      | 40194      | 53006     |                        |           | 875//      |                         |                        | 10146                  | 20101              |
| Leinefelde           | 356                     | 449                   | 32570                   | 72205                   | 10143      | 20096      | 40194      | 53007     | 69932                  | 70262     | 878//      |                         |                        | 10114                  | 20073              |
| Braunlage            | 607                     | 452                   | 11482                   | 72206                   | 10110      | 20087      | 40197      | 53007     |                        |           | 74765      | 31 40                   | 10068                  | 20040                  |                    |
| Brocken *            | 1142                    | 453                   | 11/00                   | 92122                   | 10068      | 20066      | 48511      | 52017     | 60022                  |           |            |                         |                        | 10177                  | 20116              |
| Artern               | 164                     | 460                   | 32781                   | 42304                   | 10161      | 20105      | 40199      | 53003     |                        |           | 84500      |                         |                        | 10174                  | 20114              |
| Leipzig-Schkeuditz   | 144                     | 469                   | 32680                   | 72004                   | 10162      | 20100      | 40200      | 53005     |                        |           | 878//      |                         |                        | 10174                  | 20119              |
| Wittenberg           | 105                     | 474                   | 32782                   | 72306                   | 10160      | 20096      | 40196      | 53007     |                        |           | 878//      |                         |                        | 10170                  | 20113              |
| Oschatz              | 150                     | 480                   | 32682                   | 72101                   | 10163      | 20107      | 40207      | 53007     |                        |           | 875//      |                         |                        | 10171                  | 20113              |
| Dresden-Klotzsche    | 230                     | 488                   | 32782                   | 72303                   | 10160      | 20089      | 40207      | 52007     |                        |           | 875//      |                         |                        | 10171                  | 20125              |
| Doberlug-Kirchhain   | 97                      | 490                   | 32780                   | 72304                   | 10164      | 20098      | 40206      | 53009     |                        |           | 885//      |                         |                        | 10186                  | 20132              |
| Cottbus              | 69                      | 496                   | 32683                   | 82304                   | 10167      | 20097      | 40204      |           |                        |           | 885//      |                         |                        | 10156                  | 20110              |
| Görlitz              | 237                     | 499                   | 32782                   | 82503                   | 10154      | 20089      | 40206      | 51010     |                        |           | 875//      | 25                      | 10156                  | 20109                  |                    |
| Aachen               | 202                     | 501                   | 12684                   | 72206                   | 10147      | 20070      | 40186      | 53007     | 69902                  |           | 875//      |                         |                        | 10173                  | 20123              |
| Nürvenich            | 118                     | 502                   | 12681                   | 72306                   | 10154      | 20073      | 40196      | 53001     | 69902                  |           | 874//      |                         |                        | 10138                  | 20089              |
| Nürnberg-Barweiler   | 485                     | 506                   | 12681                   | 72408                   | 10123      | 20066      | 40193      | 53006     | 69902                  |           | 875//      |                         |                        | 10178                  | 20110              |
| Köln/Bonn, Flugh.    | 91                      | 513                   | 12684                   | 72108                   | 10158      | 20082      | 40192      | 53010     | 69912                  |           | 875//      |                         |                        | 10181                  | 20107              |
| Mendig               | 182                     | 514                   | 32670                   | 72207                   | 10151      | 20081      | 40200      | 52009     |                        |           | 875//      |                         |                        | 10174                  | 20114              |
| Bendorf              | 127                     | 515                   | 16/60                   | /2307                   | 10159      | 20094      | 40196      | 53006     | 69902                  |           | 888//      |                         |                        | 10128                  | 20082              |
| Bad Marienberg       | 547                     | 526                   | 12586                   | 82305                   | 10122      | 20067      | 40198      | 53006     | 69902                  |           | 875//      |                         |                        | 10174                  | 20115              |
| Giessen              | 186                     | 532                   | 32574                   | 72407                   | 10171      | 20079      | 40197      | 53006     |                        |           |            |                         |                        | 10174                  | 20103              |
| Bad Hersfeld         | 273                     | 542                   | 16/60                   | /2305                   | 10170      | 20085      | 40198      | 53003     | 69902                  |           | 84501      |                         |                        | 10124                  | 20054              |
| Wasserkuppe          | 921                     | 544                   | 12580                   | 51914                   | 10094      | 20067      | 48523      | 53004     | 69902                  |           | 83800      |                         |                        | 10145                  | 20088              |
| Weinungen            | 450                     | 548                   | 12681                   | 31903                   | 10140      | 20091      | 40205      | 53003     | 69902                  |           |            | 25                      | 10110                  | 20052                  |                    |
| Schmücke *           | 937                     | 552                   | 16/60                   | /2311                   | 10097      | 20069      | 48523      | 53005     | 69942                  |           |            |                         |                        | 10170                  | 20109              |
| Erfurt-Blindersleben | 315                     | 554                   | 12782                   | 32307                   | 10155      | 20093      | 40197      | 53004     | 69902                  |           | 83500      |                         |                        | 10118                  | 20055              |
| Neuhaus a.R.         | 845                     | 557                   | 12583                   | 22205                   | 10108      | 20072      | 48527      | 51001     | 69902                  |           | 82840      |                         |                        | 10161                  | 20104              |
| Gera-Leumnitz        | 311                     | 567                   | 32786                   | 32206                   | 10156      | 20101      | 40196      | 53003     |                        |           | 86500      |                         |                        | 10147                  | 20098              |
| Chemnitz             | 418                     | 577                   | 32782                   | 62204                   | 10145      | 20091      | 40204      | 51005     |                        |           | 8683/      | 27                      | 10103                  | 20013                  |                    |
| Fichtelberg *        | 1213                    | 578                   | 32382                   | 72209                   | 10080      | 20054      | 48532      | 52007     |                        |           | 872//      |                         |                        | 10118                  | 20065              |
| Zinnwald-Georg.      | 877                     | 582                   | 32484                   | 72104                   | 10110      | 20064      | 48537      | 52008     |                        |           |            |                         |                        | 10160                  | 20109              |
| Lichtenhain/Mittelnd | 300                     | 591                   | 36/60                   | /1702                   | 10149      | 20078      | 40207      | 51009     |                        |           | 875//      |                         |                        |                        |                    |



| Station              | Hoehe | 21 Uhr UTC |       |       |       |       |       |       |       | 18-21 |        |    |    | Erdbodentemp.<br>21 Uhr UTC |      |      |      |  |
|----------------------|-------|------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----|----|-----------------------------|------|------|------|--|
|                      |       | iii        | ihVV  | Nddff | 1sTTT | 2sTTT | 4PPPP | Sappp | 7wwWW | 8NCCC | ff-ff  | 05 | 10 | 20                          | 50   |      |      |  |
|                      |       | Rx         | n     | n     | n     | nddd  | n     | n     | 12    | hNAG  | xx     | gg | n  | n                           | n    | n    |      |  |
| Helgoland            | 4     | 015        | 42565 | 72016 | 10111 | 20092 | 40165 | 51013 |       |       | 875//  |    |    |                             |      |      |      |  |
| List/Sylt            | 26    | 020        | 42680 | 72224 | 10117 | 20081 | 40150 | 51017 |       |       | 875//  | 27 | 36 |                             |      |      |      |  |
| Leck                 | 7     | 022        | 42765 | 72212 | 10116 | 20078 | 40168 | 52019 |       |       | 875//  |    | 27 | 0106                        | 0116 | 0116 | 0108 |  |
| Husum                | 28    | 026        | 42770 | 72214 | 10118 | 20085 | 40168 | 52016 |       |       | 875//  | 23 | 31 | 0110                        | 0113 | 0117 | 0113 |  |
| Glücksburg/Meierwik  | 27    | 033        | 42770 | 52111 | 10111 | 20077 | 40163 | 51016 |       |       | 85501  |    | 26 | 0106                        | 0111 | 0118 | 0114 |  |
| Schleswig            | 43    | 035        | 42662 | 72208 | 10117 | 20088 | 40177 | 51017 |       |       | 875//  |    |    | 0109                        | 0113 | 0116 | 0111 |  |
| Hohn                 | 12    | 038        | 42560 | 72405 | 10123 | 20090 | 40178 | 52020 |       |       | 875//  |    |    | 0119                        | 0123 | 0122 | 0118 |  |
| Kiel-Holtenau        | 31    | 046        | 42765 | 72106 | 10118 | 20086 | 40179 | 52016 |       |       | 875//  |    |    | 0108                        | 0115 | 0116 | 0101 |  |
| Segeimarkelsdorf     | 3     | 055        | 41558 | 72107 | 10116 | 20102 | 40179 | 51017 | 70262 |       | 875//  |    |    | 0114                        | 0118 | 0119 | 0112 |  |
| Arkona               | 42    | 091        | 42565 | 82410 | 10118 | 20096 | 40189 | 51022 |       |       | 878//  |    | 25 | 0123                        | 0121 | 0117 | 0106 |  |
| Norderney            | 11    | 113        | 42768 | 72009 | 10127 | 20090 | 40170 | 52012 |       |       | 875//  |    |    | 0110                        | 0113 | 0121 | 0116 |  |
| Bremerhaven          | 7     | 129        | 42662 | 72109 | 10136 | 20083 | 40186 | 52017 |       |       | 875//  |    |    |                             |      |      |      |  |
| Cuxhaven             | 5     | 131        | 42660 | 72207 | 10132 | 20084 | 40184 | 52019 |       |       | 875//  |    |    | 0120                        | 0122 | 0128 | 0122 |  |
| Hamburg, Flugh.      | 16    | 147        | 42765 | 72307 | 10138 | 20099 | 40185 | 51021 |       |       | 875//  |    |    | 0126                        | 0127 | 0122 | 0111 |  |
| Lübeck-Blankensee    | 14    | 156        | 46/60 | 20004 | 10131 | 20101 | 40186 | 52020 |       |       | 875//  |    |    | 0132                        | 0134 | 0129 | 0119 |  |
| Boltenhagen          | 15    | 161        | 41462 | 72104 | 10127 | 20106 | 40188 | 52019 | 72582 |       | 873//  |    |    | 0120                        | 0119 | 0117 | 0105 |  |
| Schwerin             | 59    | 162        | 42758 | 72108 | 10134 | 20103 | 40190 | 53020 |       |       | 875//  |    |    | 0118                        | 0121 | 0122 | 0108 |  |
| Rostock-Warnemünde   | 4     | 170        | 42559 | 81906 | 10136 | 20097 | 40182 | 53016 |       |       | 875//  |    |    | 0127                        | 0132 | 0129 | 0111 |  |
| Teterow              | 46    | 177        | 46/60 | 20104 | 10134 | 20109 | 40195 | 53018 |       |       | 875//  |    |    | 0127                        | 0132 | 0129 | 0111 |  |
| Barth                | 7     | 180        | 46/58 | 17101 | 10121 | 20102 | 40183 | 52017 |       |       | 875//  |    |    | 0123                        | 0123 | 0119 | 0109 |  |
| Greifswald           | 2     | 184        | 42765 | 71904 | 10135 | 20105 | 40192 | 51018 |       |       | 875//  |    |    | 0128                        | 0129 | 0128 | 0117 |  |
| Ueckermünde          | 1     | 193        | 46/59 | 19107 | 10136 | 20093 | 40207 | 52019 |       |       | 875//  |    |    |                             |      |      |      |  |
| Emden-Flugplatz      | 0     | 200        | 42765 | 72010 | 10131 | 20078 | 40174 | 51013 |       |       | 875//  |    |    | 0116                        | 0121 | 0121 | 0112 |  |
| Oldenburg            | 11    | 215        | 42762 | 72104 | 10137 | 20078 | 40183 | 52019 |       |       | 875//  |    |    | 0122                        | 0123 | 0123 | 0115 |  |
| Bremen, Flugh.       | 3     | 224        | 42775 | 72106 | 10127 | 20095 | 40193 | 51020 |       |       | 875//  |    |    | 0123                        | 0129 | 0125 | 0115 |  |
| Soltau               | 77    | 235        | 42665 | 72304 | 10130 | 20095 | 40199 | 52018 |       |       | 875//  |    |    | 0125                        | 0128 | 0128 | 0111 |  |
| Boizenburg           | 45    | 249        | 46/60 | 21106 | 10137 | 20096 | 40199 | 53019 |       |       | 875//  |    |    | 0126                        | 0129 | 0129 | 0114 |  |
| Lüchow               | 17    | 253        | 42765 | 72206 | 10137 | 20109 | 40203 | 53020 |       |       | 875//  |    |    | 0130                        | 0121 | 0131 | 0114 |  |
| Seehausen            | 21    | 261        | 42762 | 72302 | 10142 | 20107 | 40210 | 51019 |       |       | 875//  |    |    | 0137                        | 0138 | 0135 | 0120 |  |
| Marnitz              | 81    | 264        | 46/64 | 20006 | 10140 | 20101 | 40200 | 53018 |       |       | 875//  |    |    | 0128                        | 0130 | 0127 | 0110 |  |
| Neuruppin            | 38    | 270        | 42770 | 82104 | 10139 | 20104 | 40207 | 51018 |       |       | 875//  |    |    | 0138                        | 0139 | 0135 | 0117 |  |
| Neubrandenburg       | 81    | 280        | 42560 | 62211 | 10131 | 20104 | 40202 | 51019 |       |       | 86500  |    |    | 0118                        | 0120 | 0118 | 0107 |  |
| Angermünde           | 56    | 291        | 42770 | 71903 | 10136 | 20103 | 40209 | 51020 |       |       | 875//  |    |    | 0136                        | 0139 | 0128 | 0121 |  |
| Lingen               | 24    | 305        | 42659 | 71903 | 10138 | 20095 | 40188 | 52016 |       |       | 875//  |    |    | 0136                        | 0138 | 0136 | 0125 |  |
| Münster/Osnabrück    | 48    | 315        | 42770 | 72207 | 10144 | 20069 | 40196 | 51016 |       |       | 875//  |    |    | 0125                        | 0127 | 0125 | 0110 |  |
| Osnabrück            | 95    | 317        | 46/60 | 24006 | 10139 | 20059 | 40197 | 51015 |       |       | 875//  |    |    | 0127                        | 0128 | 0124 | 0109 |  |
| Diepholz             | 39    | 321        | 42780 | 72205 | 10139 | 20083 | 40194 | 51017 |       |       | 875//  |    |    | 0122                        | 0127 | 0126 | 0113 |  |
| Bad Salzungen        | 135   | 325        | 42775 | 82201 | 10131 | 20102 | 40202 | 52016 |       |       | 885//  |    |    | 0125                        | 0127 | 0122 | 0111 |  |
| Hannover, Flugh.     | 56    | 338        | 42665 | 72106 | 10142 | 20103 | 40200 | 52017 |       |       | 875//  |    |    | 0130                        | 0128 | 0124 | 0111 |  |
| Braunschweig         | 81    | 348        | 41565 | 72703 | 10146 | 20107 | 40206 | 52016 | 72122 |       | 875//  |    |    | 0132                        | 0131 | 0128 | 0109 |  |
| Gardelegen           | 47    | 359        | 46/60 | 18103 | 10134 | 20108 | 40205 | 53018 |       |       | 875//  |    |    | 0139                        | 0145 | 0144 | 0124 |  |
| Magdeburg            | 79    | 361        | 42768 | 72003 | 10141 | 20115 | 40210 | 53016 |       |       | 875//  |    |    | 0143                        | 0141 | 0132 | 0116 |  |
| Potsdam              | 81    | 379        | 42781 | 72007 | 10138 | 20111 | 40216 | 51019 |       |       | 875//  |    |    | 0145                        | 0149 | 0146 | 0130 |  |
| Berlin-Dahlem        | 51    | 381        | 42780 | 72106 | 10147 | 20103 | 40214 | 52017 |       |       | 875//  |    |    | 0144                        | 0144 | 0138 | 0119 |  |
| Berlin-Tegel, Flugh. | 37    | 382        | 42780 | 72105 | 10156 | 20101 | 40206 | 52018 |       |       | 875//  |    |    | 0150                        | 0153 | 0147 | 0129 |  |
| Berlin-Temp., Flugh. | 50    | 384        | 42782 | 71905 | 10153 | 20107 | 40213 | 52019 |       |       | 8653// |    |    | 0134                        | 0134 | 0127 | 0111 |  |
| Berlin-Schönefeld    | 47    | 385        | 42780 | 82005 | 10146 | 20106 | 40214 | 52018 |       |       | 875//  |    |    | 0132                        | 0133 | 0131 | 0117 |  |
| Lindenberg           | 98    | 393        | 42773 | 82205 | 10148 | 20103 | 40218 | 51018 |       |       | 875//  |    |    | 0149                        | 0150 | 0143 | 0126 |  |
| Manschnow            | 12    | 396        | 42870 | 72205 | 10142 | 20110 | 40209 | 51019 |       |       | 875//  |    |    | 0151                        | 0152 | 0147 | 0116 |  |
| Düsseldorf, Flugh.   | 45    | 400        | 42675 | 62305 | 10130 | 20090 | 40204 | 52015 |       |       | 865//  |    |    | 0132                        | 0136 | 0132 | 0117 |  |
| Bocholt              | 21    | 406        | 42670 | 72407 | 10135 | 20072 | 40193 | 51015 |       |       | 875//  |    |    | 0127                        | 0129 | 0128 | 0116 |  |
| Essen                | 152   | 410        | 42784 | 72106 | 10133 | 20079 | 40206 | 51014 |       |       | 875//  |    |    | 0125                        | 0128 | 0125 | 0107 |  |
| Lüdenscheid          | 387   | 418        | 46/60 | 24006 | 10116 | 20078 | 40205 | 51016 |       |       | 875//  |    |    | 0113                        | 0113 | 0103 | 0096 |  |
| Kahler Asten         | 839   | 427        | 42681 | 72312 | 10083 | 20066 | 48521 | 52014 |       |       | 875//  |    |    | 0084                        | 0085 | 0080 | 0074 |  |
| Bad Lippspringe      | 157   | 430        | 42670 | 71304 | 10124 | 20111 | 40207 | 51019 |       |       | 875//  |    |    | 0124                        | 0126 | 0122 | 0108 |  |
| Kassel               | 231   | 438        | 42680 | 51902 | 10120 | 20098 | 40207 | 52015 |       |       | 85500  |    |    | 0119                        | 0127 | 0125 | 0112 |  |
| Göttingen            | 167   | 444        | 42775 | 61505 | 10117 | 20094 | 40214 | 53017 |       |       | 86500  |    |    | 0126                        | 0125 | 0116 | 0108 |  |
| Leinefelde           | 356   | 449        | 42962 | 12302 | 10111 | 20080 | 40217 | 52016 |       |       | 81030  |    |    | 0119                        | 0124 | 0121 | 0103 |  |
| Braunlage            | 607   | 452        | 42680 | 62405 | 10105 | 20085 | 40214 | 52014 |       |       | 86500  |    |    | 0100                        | 0099 | 0092 | 0084 |  |
| Brocken              | 1142  | 453        | 41/60 | 72231 | 10066 | 20064 | 48520 | 53010 | 74142 |       | 878//  | 32 | 38 |                             |      |      |      |  |
| Artern               | 164   | 460        | 42975 | 10000 | 10127 | 20094 | 40218 | 53016 |       |       | 81070  |    |    | 0151                        | 0153 | 0140 | 0121 |  |
| Leipzig-Schkeuditz   | 144   | 469        | 42780 | 71304 | 10147 | 20105 | 40216 | 51015 |       |       | 875//  |    |    | 0153                        | 0154 | 0148 | 0127 |  |
| Wittenberg           | 105   | 474        | 42781 | 11802 | 10133 | 20098 | 40213 | 51016 |       |       | 81500  |    |    | 0128                        | 0140 | 0142 | 0125 |  |
| Oschatz              | 150   | 480        | 42970 | 61903 | 10117 | 20099 | 40226 | 52016 |       |       | 86050  |    |    | 0126                        | 0138 | 0141 | 0120 |  |
| Dresden-Klotzsche    | 230   | 488        | 42782 | 71604 | 10146 | 20087 | 40225 | 52016 |       |       | 875//  |    |    | 0141                        | 0144 | 0142 | 0121 |  |
| Dobruhl-Kirchhain    | 97    | 490        | 42770 | 71706 | 10151 | 20100 | 40223 | 53016 |       |       | 875//  |    |    | 0150                        | 0153 | 0149 | 0123 |  |
| Cottbus              | 69    | 496        | 42682 | 72103 | 10142 | 20108 | 40223 | 53018 |       |       | 875//  |    |    | 0145                        | 0160 | 0163 | 0118 |  |
| Görlitz              | 237   | 499        | 42775 | 81901 | 10137 | 20082 | 40225 | 52017 |       |       | 885//  |    |    | 0133                        | 0134 | 0133 | 0114 |  |
| Aachen               | 202   | 501        | 42684 | 72302 | 10131 | 20073 | 40204 | 53016 |       |       | 875//  |    |    | 0130                        | 0140 | 0137 | 0120 |  |
| Nürvenich            | 118   | 502        | 42680 | 71903 | 10134 | 20074 | 40210 | 52013 |       |       | 875//  |    |    |                             |      |      |      |  |

# Wetterdaten Deutschland

Beobachtungen und Messungen der Wetterstationen des DWD

Jahrgang 4

Höhenbeobachtungen vom Donnerstag den 7. Mai

1998

Nummer 127

| Station                         | Schleswig                             | Greifswald                            | Bergen                                | Lindenberg                            | Essen                                 | Dresden                               |
|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| YGG                             | 0700                                  | 0700                                  | 0700                                  | 0700                                  | 0700                                  | 0700                                  |
|                                 | hhhh TTTdTd dffff<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>ppp TTTdTd dffff |
| hPa                             |                                       |                                       |                                       |                                       |                                       |                                       |
| 10                              | 3104 -42 19 2                         | 3108 -41 10 5                         |                                       | 3108 -38 9 3                          | 3103 -42 36 5                         |                                       |
| 20                              | 2644 -51 12 12                        | 2649 -51 13 10                        |                                       | 2645 -51 11 8                         | 2644 -51 13 6                         | 2644 -52 10 7                         |
| 30                              | 2383 -54 16 5                         | 2387 -55 18 5                         |                                       | 2386 -55 18 4                         | 2383 -56 17 7                         | 2385 -55 22 9                         |
| 50                              | 2055 -54 21 11                        | 2060 -53 21 9                         |                                       | 2059 -54 21 11                        | 2056 -56 20 9                         | 2058 -55 20 12                        |
| 70                              | 1839 -54 22 13                        | 1843 -54 21 17                        |                                       | 1843 -54 21 14                        | 1841 -55 26 13                        | 1843 -54 21 15                        |
| 100                             | 1608 -51 -84 24 23                    | 1612 -51 -72 24 12                    | 1611 -54                              | 1613 -53 -86 24 18                    | 1612 -56 -88 24 26                    | 1614 -54 -86 24 15                    |
| 150                             | 1346 -51 -84 27 34                    | 1349 -52 -71 27 27                    | 1351 -54                              | 1352 -54 -86 28 28                    | 1354 -56 -82 29 34                    | 1353 -54 -80 28 20                    |
| 200                             | 1161 -54 -71 29 60                    | 1162 -53 -71 28 52                    | 1168 -60                              | 1167 -55 -68 29 39                    | 1174 -63 -73 30 57                    | 1169 -59 -70 31 41                    |
| 250                             | 1019 -56 -63 29 73                    | 1019 -55 -63 30 77                    | 1026 -55 -66                          | 1026 -56 -62 31 52                    | 1034 -56 -65 31 79                    | 1030 -56 -64 33 43                    |
| 300                             | 0901 -49 -54 30 78                    | 0902 -49 -54 30 83                    | 0909 -48 -55                          | 0909 -49 -54 31 51                    | 0916 -47 -57 31 68                    | 0912 -49 -54 33 42                    |
| 400                             | 0706 -35 -39 29 71                    | 0707 -35 -41 29 66                    | 0713 -33 -40                          | 0714 -34 -40 29 37                    | 0719 -32 -43 29 43                    | 0717 -34 -42 31 35                    |
| 500                             | 0546 -21 -29 29 61                    | 0547 -22 -33 28 57                    | 0552 -21 -27                          | 0553 -21 -26 28 37                    | 0557 -20 -26 28 28                    | 0556 -21 -28 28 29                    |
| 700                             | 0289 -7 -10 27 47                     | 0292 -7 -8 27 45                      | 0295 -5 -6                            | 0296 -4 -25 27 33                     | 0298 -3 -7 27 35                      | 0299 -6 -13 27 31                     |
| 850                             | 0136 0 -3 27 36                       | 0138 3 -2 27 44                       | 0141 4 2                              | 0142 2 2 27 37                        | 0143 3 1 26 30                        | 0144 3 0 27 33                        |
| 1000                            | 0004                                  | 0004 11 9 24 16                       | 0007 11 9 22 9                        | 0008                                  | 0010                                  | 0010                                  |
|                                 |                                       | 0054 -31 17 4                         |                                       |                                       | 0056 -29 13 12                        |                                       |
|                                 |                                       | 0064 6 5                              |                                       | 0068 -32 17 4                         | 0062 17 6                             |                                       |
|                                 |                                       | 0071 10 5                             |                                       | 0078 9 5                              | 0068 9 8                              |                                       |
|                                 |                                       | 0079 34 6                             |                                       | 0116 -41 13 6                         | 0082 7 6                              |                                       |
|                                 |                                       | 0099 9 4                              |                                       | 0136 -47 11 16                        | 0099 -42 35 6                         |                                       |
|                                 |                                       | 0111 14 6                             |                                       | 0173 9 8                              | 0105 13 1                             |                                       |
|                                 |                                       | 0134 10 19                            |                                       | 0196 11 7                             | 0112 16 6                             |                                       |
|                                 |                                       | 0161 -50 11 10                        |                                       | 0221 10 10                            | 0122 14 13                            |                                       |
|                                 |                                       | 0171 9 9                              |                                       | 0249 14 6                             | 0138 11 8                             | 0168 -49 15 7                         |
|                                 |                                       | 0191 13 10                            |                                       | 0273 13 5                             | 0180 16 6                             | 0205 10 7                             |
|                                 |                                       | 0232 -51 10 9                         |                                       | 0293 -56 0210                         | 0210 13 6                             | 0224 11 5                             |
| 0058 -32                        | 7 5                                   | 0248 12 5                             |                                       | 0318 -54 20 7                         | 0244 20 5                             | 0250 -56 22 7                         |
| 0071                            | 8 6                                   | 0255 14 6                             |                                       | 0355 -56 18 5                         | 0283 -56 15 6                         | 0297 22 9                             |
| 0095 -42                        | 15 8                                  | 0273 -55 20 6                         |                                       | 0386 19 3                             | 0324 26 8                             | 0332 17 5                             |
| 0114                            |                                       | 0319 16 6                             |                                       | 0432 23 8                             | 0393 -54 20 10                        | 0438 24 6                             |
| 0127 -44                        |                                       | 0361 21 6                             |                                       | 0483 -54 21 11                        | 0507 -56 23 8                         | 0514 20 10                            |
| 0144 -48                        | 8 15                                  | 0418 22 12                            |                                       | 0496 24 12                            | 0687 -56 26 13                        | 0617 -56 21 16                        |
| 0162                            | 8 12                                  | 0496 -53 25 17                        |                                       | 0794 -54 24 18                        | 0888 -54 25 27                        | 0683 20 9                             |
| 0207                            | 12 10                                 | 0532 21 15                            |                                       | 0835 -52 21 11                        | 0978 25 27                            | 0775 24 26                            |
| 0250 -54                        | 12 11                                 | 0640 -55 25 17                        |                                       | 0932 24 12                            | 1000 -53 -86 24 18                    | 0829 -53 24 10                        |
| 0271                            | 15 5                                  | 0798 25 17                            |                                       | 1000 -53 -86 24 18                    | 1130 -52 -85 25 23                    | 0869 -55 24 10                        |
| 0317                            | 17 5                                  | 0911 24 12                            |                                       | 1130 -52 -85 25 23                    | 1210 -54 -86 25 13                    | 1000 -54 -86 24 15                    |
| 0360                            | 16 6                                  | 1000 -51 -72 24 12                    |                                       | 1280 28 20                            | 1330 -52 -85 1380 -57 -88             | 1040 -55 -87                          |
| 0421                            | 23 8                                  | 1160 -51 -70 28 32                    |                                       | 1380 1580 -55 -87                     | 1480 -55 -83 1180                     | 26 18                                 |
| 0577                            | 21 11                                 | 1190 -53 -72 1300 -53 -85             |                                       | 1730 -54 -82 1570 -58 -79             | 1270 1730 -55 -78                     | 28 15                                 |
| 0704 -54                        |                                       | 1270 -51 -72 1450 -50 -83             |                                       | 1860 -54 -73 1670 -58 -75             | 1470 1730 -55 -78                     | 27 21                                 |
| 1000 -51 -84 24 23              |                                       | 1350 -53 -72 1660 -51 -84             |                                       | 2010 -55 -68 2070 -58 -69             | 2250 31 50                            | 1850 -55 -72                          |
| 1120 -54 -86 23 21              |                                       | 1620 -51 -70 1820 -54 -80             |                                       | 2380 -58 -64 31 53                    | 2430 -57 -66 31 80                    | 2060 -60 -70                          |
| 1170 -52 -85 1700 -53 -73       |                                       | 1700 -53 -73 1850 -55 -78 28 46       |                                       | 2420 31 54                            | 2910 -48 -57                          | 2320 -58 -66 32 52                    |
| 1200 25 17                      |                                       | 1810 28 32                            |                                       | 2760 -53 -58 3270 -45 -49             | 3780 -34 -54                          | 2370 -59 -67                          |
| 1300 -53 -85 1930 -51 -71       |                                       | 1930 -51 -71 2280 29 77               |                                       | 3890 -35 -41 4070                     | 4090 -31 -35                          | 2530 -55 -63                          |
| 1450 -50 -83 2110 -55 -72       |                                       | 2110 -55 -72 2440 -57 -64 29 74       |                                       | 4350 -29 -34 4740 -24 -36             | 4340 -28 -34                          | 2680 33 42                            |
| 1660 -51 -84 2260 -53 -67       |                                       | 2260 -53 -67 2950 -49 -54 30 79       |                                       | 4820 -23 -34 5110 -21 -23             | 4410 -27 -34                          | 2840 -52 -58                          |
| 1820 -54 -80 2490 -55 -63 30 76 |                                       | 2490 -55 -63 30 76 1850 -55 -78 28 46 |                                       | 5500 -16 -20 5610 -15 -19             | 4660 -24 -28                          | 3110 -48 -53                          |
| 1970 -54 -72 2730 -54 -60 30 84 |                                       | 2640 -55 -61 1970 -54 -72             |                                       | 5690 -14 -23 5930                     | 5090 29 26                            | 3240 -46 -50                          |
| 2280 29 77                      |                                       | 2800 -53 -59 2440 -57 -64 29 74       |                                       | 6000 27 41                            | 5270 -17 -25                          | 3730 32 37                            |
| 2440 -57 -64 29 74              |                                       | 3230 -46 -49 2950 -49 -54 30 79       |                                       | 6000 27 41                            | 5620 30 26                            | 4550 -26 -38 29 28                    |
| 3400 -44 -47 3570 -41 -49       |                                       | 3500 -41 -47 3400 -44 -47             |                                       | 6260 -10 -13 6910 -4 -38              | 5720 29 28                            | 4910 -22 -27                          |
| 3740 -38 -46 3640 -40 -45       |                                       | 3570 -41 -49 3740 -38 -46             |                                       | 7050 -4 -21 7150 -6 -7                | 6030 -10 -19                          | 5420 -16 -32                          |
| 4100 -33 -36 4100 -33 -39       |                                       | 3640 -40 -45 4100 -33 -36             |                                       | 7340 -5 -6 7380 -5 -6                 | 7040 -3 -7                            | 5850 -12 -32                          |
| 4550 -27 -35 4440 -29 -31       |                                       | 4100 -33 -39 4550 -27 -35             |                                       | 8000 0 -3 27 31                       | 7220 27 36                            | 6000 28 30                            |
| 5090 -20 -28 4520 -28 -31       |                                       | 4440 -29 -31 5090 -20 -28             |                                       | 8210 1 0 8340 1 1                     | 7360 -1 -7                            | 6120 -10 -31                          |
| 5280 -19 -26 4980 -22 -33       |                                       | 4520 -28 -31 5280 -19 -26             |                                       | 8760 3 3 8940 27 38                   | 7490 0 -7                             | 6510 -9 -18                           |
| 5860 -12 -34 5150 -20 -34       |                                       | 4980 -22 -33 5860 -12 -34             |                                       | 9030 6 4 26 38                        | 7620 0 -6                             | 6740 -8 -21                           |
| 6000 28 54                      |                                       | 5150 -20 -34 6000 28 54               |                                       | 9250 7 5 26 37                        | 7700 0 -5                             | 7040 27 31                            |
| 6290 -10 -47 5790 -15 -33 27 48 |                                       | 5550 -16 -30 6290 -10 -47             |                                       | 9860 11 6 24 26                       | 7790 -3 -3                            | 7290 -4 -6                            |
| 6490 -9 -31 6000 27 48          |                                       | 5790 -15 -33 27 48 6490 -9 -31        |                                       | 9960 10 6 24 12                       | 7930 -2 -2                            | 7470 -5 -6                            |
| 6630 -9 -13 6020 -14 -29        |                                       | 6000 27 48 6630 -9 -13                |                                       |                                       | 8000 26 29                            | 7530 -5 -6                            |
| 6990 -7 -10 6060 -14 -20        |                                       | 6020 -14 -29 6990 -7 -10              |                                       |                                       | 8160 -1 -1                            | 7590 27 26                            |
| 7190 -7 -10 6110 -14 -17        |                                       | 6060 -14 -20 7190 -7 -10              |                                       |                                       | 8490 2 1 26 29                        | 8000 27 28                            |
| 7340 -6 8 6280 -13 -13          |                                       | 6110 -14 -17 7340 -6 8                |                                       |                                       | 8870 5 3 25 36                        | 8030 0 -4                             |
| 7510 -5 -14 27 49               |                                       | 6280 -13 -13 7510 -5 -14              |                                       |                                       | 8910 25 36                            | 8630 4 1                              |
| 7620 -5 -9 6830 -8 -9           |                                       | 6420 27 53                            |                                       |                                       | 8950 5 5                              | 8830 27 36                            |
| 7830 -4 -7 7490 -4 -4 27 42     |                                       | 6830 -8 -9 7830 -4 -7                 |                                       |                                       | 9070 7 2                              | 9070 7 2                              |
| 8000 28 45                      |                                       | 7490 -4 -4 27 42 8000 28 45           |                                       |                                       | 9250 6 6 25 34                        | 9250 8 3 26 34                        |
| 8310 0 -4 8480 3 -2             |                                       | 8000 28 45 8310 0 -4                  |                                       |                                       | 9290 6 6 25 35                        | 9450 26 28                            |
| 8830 2 -1 9010 27 42            |                                       | 8480 3 -2 8830 2 -1                   |                                       |                                       | 9930 11 8 24 12                       | 9850 11 7 24 10                       |
| 8940 2 2 9070 5 2               |                                       | 9010 27 42 8940 2 2                   |                                       |                                       |                                       |                                       |
| 8950 27 33                      |                                       | 9070 5 2 8950 27 33                   |                                       |                                       |                                       |                                       |
| 9250 4 3 27 31                  |                                       | 9250 27 33 9250 4 3                   |                                       |                                       |                                       |                                       |
| 9610 27 28                      |                                       | 9880 25 29                            |                                       |                                       |                                       |                                       |
| 9990 9 7 26 9                   |                                       | 0050 11 9 23 12                       |                                       |                                       |                                       |                                       |
|                                 |                                       | 0000 11 9 22 9                        |                                       |                                       |                                       |                                       |
| Tropo-<br>pause                 | 2440 -57 -64 29 74                    | 2490 -55 -63 30 76                    | 2010 -60 -71                          | 2380 -58 -64 31 53                    | 2070 -63 -72 30 60                    | 2160 -61 -70 32 49                    |
| Max-<br>wind                    | 2950 -49 -54 30 79                    | 2730 -54 -60 30 84                    |                                       |                                       |                                       |                                       |
| 30/50                           | 0328                                  | 0327                                  |                                       | 0327                                  | 0327                                  | 0327                                  |
| 50/100                          | 0447                                  | 0448                                  |                                       | 0446                                  | 0444                                  | 0444                                  |
| 100/200                         | 0447                                  | 0450                                  | 0443                                  | 0446                                  | 0438                                  | 0445                                  |
| 200/500                         | 0615                                  | 0615                                  | 0616                                  | 0614                                  | 0617                                  | 0613                                  |
| 500/1000                        | 0542                                  | 0543                                  | 0545                                  | 0545                                  | 0547                                  | 0546                                  |

| Station                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Meiningen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Stuttgart                                             | Muenchen                                      | Emden                                         | Lindenberg                                    | Lindenberg                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| YGG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0700                                                  | 0700                                          | 0700                                          | 0706                                          | 0718                                          |
| hPa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff                                                                                                                                                                                                                                                                                                                                                                                                                                                              | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff         | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff | hhhh TTTdTd dffff<br>oder<br>ppp TTTdTd dffff |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3104 -42 28 7 3106 -40 20 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3104 -41 24 8 3109 -42 35 9                           | 3107 -41 11 8 3119 -39 5 4                    |                                               |                                               |                                               |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2644 -52 12 3 2645 -52 15 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2644 -51 23 3 2644 -51 10 8                           | 2646 -50 12 12 2653 -51 15 6                  |                                               |                                               |                                               |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2386 -55 22 7 2386 -56 19 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2384 -56 24 8 2384 -54 16 8                           | 2384 -55 14 5 2391 -55 21 2                   |                                               |                                               |                                               |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2059 -56 24 10 2059 -56 24 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2059 -56 27 8 2056 -54 21 12                          | 2059 -55 22 7 2066 -56 22 11                  |                                               |                                               |                                               |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1844 -54 24 10 1844 -55 25 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1845 -55 22 14 1840 -54 24 11                         | 1843 -54 23 8 1851 -56 24 18                  |                                               |                                               |                                               |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1615 -55 -87 25 13 1616 -56 -88 27 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1617 -55 -87 26 12 1610 -52 -67 24 26                 | 1614 -54 -86 25 12 1622 -54 -86 27 17         |                                               |                                               |                                               |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1356 -55 -87 29 25 1359 -56 -78 30 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1359 -56 -88 30 16 1349 -54 -70 28 34                 | 1354 -53 -84 28 25 1365 -56 -77 29 28         |                                               |                                               |                                               |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1174 -62 -77 31 48 1179 -62 -73 32 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1178 -62 -74 33 45 1167 -59 -70 29 60                 | 1172 -60 -74 30 40 1187 -65 -74 31 58         |                                               |                                               |                                               |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1034 -55 -68 32 58 1039 -55 -65 33 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1038 -56 -66 34 51 1026 -56 -66 30 73                 | 1032 -57 -70 31 50 1048 -55 -63 31 60         |                                               |                                               |                                               |
| 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0916 -47 -61 31 48 0921 -46 -59 33 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0920 -47 -61 34 45 0908 -47 -58 30 69                 | 0914 -48 -64 31 53 0929 -46 -52 31 55         |                                               |                                               |                                               |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0720 -33 -40 30 36 0723 -32 -43 31 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0723 -32 -42 34 29 0712 -34 -37 29 54                 | 0718 -34 -40 29 37 0731 -30 -40 30 45         |                                               |                                               |                                               |
| 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0558 -20 -27 30 32 0561 -19 -30 31 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0562 -19 -32 31 17 0551 -21 -24 28 51                 | 0557 -21 -27 29 40 0568 -19 -33 28 25         |                                               |                                               |                                               |
| 700                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0300 -4 -26 28 22 0302 -6 -6 26 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0304 -6 -19 26 25 0293 -6 -6 27 37                    | 0300 -3 -9 28 30 0308 -2 -9 26 15             |                                               |                                               |                                               |
| 850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0145 2 1 26 30 0148 3 0 27 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0149 4 -2 28 18 0139 2 2 26 28                        | 0145 3 0 27 28 0152 5 2 24 16                 |                                               |                                               |                                               |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0012 2 1 26 30 0014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0015 4 -2 28 18 0005 11 10 25 13                      | 0011 11 8 24 8 0016 16 9 23 15                |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0053 -30 8 7                                          |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0056 11 8                                             |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0059 11 13                                            |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0073 5 18                                             |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0079 5 7                                              |                                               |                                               |                                               |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0084 14 1 0064 -33 9 12                               |                                               |                                               |                                               |                                               |
| 0070 -35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 19 0087 20 6 0076 -39 5 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                               |                                               |                                               |                                               |
| 0081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5 5 0098 21 9 0083 4 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                       |                                               |                                               |                                               |                                               |
| 0089 -37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 34 3 0116 14 7 0089 36 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                               | 0074 -32 6 10                                 |                                               |                                               |
| 0104 -43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 28 7 0131 4 5 0097 -40 25 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |                                               | 0100 -41 11 8 0095 -38 6 2                    |                                               |                                               |
| 0110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16 8 0150 -48 24 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                                               | 0121 8 9 0103 4 6                             |                                               |                                               |
| 0121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 13 0164 -47 0114 17 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |                                               | 0131 -45 0116 34 5                            |                                               |                                               |
| 0129 -44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0178 -51 0150 36 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |                                               | 0146 -45 9 6 0125 -45 17 5                    |                                               |                                               |
| 0141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9 5 0209 23 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                                               | 0154 13 9 0147 -44 15 11                      |                                               |                                               |
| 0236 -56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0261 23 7 0254 -56 23 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                                               | 0184 11 14 0166 -49 6 6                       |                                               |                                               |
| 0245                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 22 1 0281 -56 0295 25 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                                               | 0237 -54 14 7 0180 6 6                        |                                               |                                               |
| 0293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 23 5 0308 18 6 0368 17 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                               | 0264 13 7 0203 16 6                           |                                               |                                               |
| 0349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16 6 0363 22 6 0404 25 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0052 -28 26 17                                        |                                               | 0298 14 5 0222 15 5                           |                                               |                                               |
| 0392 -53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 28 6 0377 -54 0479 -57 23 9 0060 11 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0063 -30 9 6 0435 17 7 0398 19 8                      |                                               | 0356 19 7 0271 -55 22 7                       |                                               |                                               |
| 0436                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 23 10 0438 21 7 0518 28 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0071 16 8 0501 22 7 0486 23 9                         |                                               | 0389 -56 0335 22 7                            |                                               |                                               |
| 0461                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 22 10 0486 -56 0511 24 7 0626 -57 23 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0078 8 11 0577 19 6 0515 -56 19 11                    |                                               | 0435 17 7 0398 19 8                           |                                               |                                               |
| 0522 -56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0555 25 15 0600 -55 23 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0093 -42 33 7 0701 23 8 0560 24 6                     |                                               | 0501 22 7 0486 23 9                           |                                               |                                               |
| 0555                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25 15 0600 -55 23 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0093 -42 33 7 0701 23 8 0560 24 6                     |                                               | 0577 19 6 0515 -56 19 11                      |                                               |                                               |
| 0600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21 18 0651 -52 0648 21 10 0696 -55 26 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0104 28 10 0104 33 7 0701 23 8 0560 24 6              |                                               | 0670 19 6 0515 -56 19 11                      |                                               |                                               |
| 0648                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21 10 0696 -55 26 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0110 26 12 0110 33 7 0701 23 8 0560 24 6              |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 0751 -53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 25 11 0730 26 11 1000 -55 -87 26 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0125 -43 13 17 1000 -54 -86 25 12 0713 -57 0753 23 13 |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1000 -55 -87 25 13 1000 -56 -88 27 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1070 26 17 1150 -55 -87 0164 12 11 1110 -53 -85 27 17 0753 23 13                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1060 -54 -86 1070 26 17 1150 -55 -87 0164 12 11 1110 -53 -85 27 17 0753 23 13                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1170 -58 -89 28 14 1370 -57 -88 30 16 0189 -49 23 8 0560 24 6                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1110 -56 -88 25 16 1170 -58 -89 28 14 1370 -57 -88 30 16 0189 -49 23 8 0560 24 6                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1230 29 10 1490 30 16 0189 -49 23 8 0560 24 6                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1240 -55 -87 27 16 1230 29 10 1490 30 16 0189 -49 23 8 0560 24 6                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1350 -54 -86 1580 -55 -87 0210 -53 18 6 1480 28 24 1120 -55 -87 27 17                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1530 -55 -87 1350 -54 -86 1580 -55 -87 0210 -53 18 6 1480 28 24 1120 -55 -87 27 17                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1600 -57 -88 1510 30 28 1810 -61 -77 0267 18 6 1480 28 24 1120 -55 -87 27 17                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1600 -57 -88 1510 30 28 1810 -61 -77 0267 18 6 1480 28 24 1120 -55 -87 27 17                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1650 29 20 1650 31 21 1890 -59 -73 0357 11 6 1640 -55 -83 1270 -58 -89 28 19                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1700 -55 -78 1710 -60 -77 1940 -62 -75 0375 15 2 1880 -61 -76 1390 28 19                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1790 -63 -77 1850 33 41 2170 -62 -71 34 53 0403 23 8 2060 -59 -72 31 43 1460 -56 -84 1480 -56 -79 1670 -60 -72 1740 -64 -74 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6 |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1840 -61 -77 31 46 1790 -63 -77 1850 33 41 2170 -62 -71 34 53 0403 23 8 2060 -59 -72 31 43 1460 -56 -84 1480 -56 -79 1670 -60 -72 1740 -64 -74 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 1970 -62 -77 32 48 1850 33 41 2170 -62 -71 34 53 0403 23 8 2060 -59 -72 31 43 1460 -56 -84 1480 -56 -79 1670 -60 -72 1740 -64 -74 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 2140 -59 -72 1910 -61 -73 2290 -60 -69 0638 -55 26 15 2690 -54 -68 2380 -59 -71 1670 -60 -72 1740 -64 -74 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 2350 -58 -71 2030 -62 -73 32 50 2580 -55 -65 0754 26 15 2690 -54 -68 2380 -59 -71 1670 -60 -72 1740 -64 -74 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 2630 -53 -67 32 61 2240 -60 -70 3050 -46 -61 1000 -52 -67 24 26 2980 31 53 1930 -66 -75 31 55 2070 -64 -73 31 61 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 2920 -49 -64 2370 -58 -68 33 67 3370 -41 -50 1060 24 26 3140 -45 -62 3640 29 34 2250 -60 -69 31 65 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| 2980 -48 -63 2820 -49 -60 3650 -37 -46 34 33 1280 -55 -72 27 21 3710 -38 -50 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| M a 3380 -41 -46 31 40 3340 -40 -58 4740 32 16 1320 27 21 3710 -38 -50 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| r 3440 -41 -46 31 40 3340 -40 -58 4740 32 16 1320 27 21 3710 -38 -50 2340 -59 -68 3170 -43 -49 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| k 3620 -39 -44 3810 -34 -47 5410 -14 -30 1780 -56 -70 4590 -26 -33 3440 -39 -46 31 53 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| a 4750 -22 -32 3920 -33 -45 5670 -13 -41 1920 -60 -72 5260 -18 -24 3900 -31 -42 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| n 4880 -21 -32 4910 31 18 5790 -13 -19 2320 -58 -68 30 70 5820 -12 -17 29 38 4430 -24 -30 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| t 5020 -20 -26 31 32 5520 -13 -23 6000 30 20 2600 -54 -64 6000 29 38 4710 -22 -26 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| e 5610 -13 -21 5670 -11 -34 6130 -10 -16 30 20 2740 -52 -62 30 75 6040 -10 -18 4970 -19 -33 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| P 5770 -13 -19 5780 -10 -34 6220 -9 -21 3270 -43 -54 6210 -10 -14 5150 28 23 5540 -13 -35 5730 -11 -23 5990 -9 -21 6200 -7 -25 6720 -4 -11 6960 -2 -9 7320 -1 -5 7750 -2 -2 26 13 7870 2 -1 7930 0 0 8000 1 1 26 14 8600 6 2 9040 24 17 9250 10 6 24 17 9320 10 6 23 18 9990 16 9 23 6                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               | 0701 23 8 0560 24 6                           |                                               |                                               |
| u 5850 -12 -24 5930 -9 -40 6360 -10 -14 3590 -39 -46 29 54 6700 -5 -13 29 36 5540 -13 -35 5730 -11 -23 59                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |                                               |                                               |                                               |                                               |

[illegible]

| Station     | Meiningen |        |           |       | Stuttgart |           |           |        | Muenchen  |        |       |           | Enden |        |       |  |
|-------------|-----------|--------|-----------|-------|-----------|-----------|-----------|--------|-----------|--------|-------|-----------|-------|--------|-------|--|
| YGG         | 0712      |        |           |       | 0712      |           |           |        | 0712      |        |       |           | 0712  |        |       |  |
|             | hhhh      | TTTdTd | ddfff     |       | hhhh      | TTTdTd    | ddfff     |        | hhhh      | TTTdTd | ddfff |           | hhhh  | TTTdTd | ddfff |  |
| hPa         | ppp       | TTTdTd | ddfff     | ppp   | TTTdTd    | ddfff     | ppp       | TTTdTd | ppp       | TTTdTd | ddfff | ppp       | ppp   | TTTdTd | ddfff |  |
| 10          | 3107      | -40    | 17 14     | 3104  | -39       | 18 18     | 3112      | -37    | 17 8      | 3111   | -41   | 18 10     |       |        |       |  |
| 20          | 2648      | -54    | 23 3      | 2642  | -52       | 19 5      | 2647      | -53    | 21 3      | 2647   | -51   | 13 8      |       |        |       |  |
| 30          | 2388      | -54    | 20 7      | 2384  | -56       | 17 6      | 2388      | -56    | 22 10     | 2387   | -54   | 18 10     |       |        |       |  |
| 50          | 2060      | -56    | 23 10     | 2058  | -57       | 23 16     | 2061      | -57    | 26 11     | 2059   | -54   | 19 10     |       |        |       |  |
| 70          | 1845      | -55    | 24 16     | 1845  | -58       | 25 15     | 1848      | -56    | 25 9      | 1843   | -54   | 24 18     |       |        |       |  |
| 100         | 1619      | -56    | 24 9      | 1619  | -55       | -87 29 9  | 1622      | -57    | -88 27 12 | 1614   | -55   | -87 26 18 |       |        |       |  |
| 150         | 1362      | -58    | -86 29 23 | 1364  | -59       | -80 28 20 | 1366      | -59    | -75 30 21 | 1356   | -55   | -78 27 35 |       |        |       |  |
| 200         | 1186      | -66    | -76 32 56 | 1189  | -65       | -74 33 41 | 1189      | -66    | -75 35 47 | 1177   | -65   | -73 29 79 |       |        |       |  |
| 250         | 1047      | -55    | -66 31 54 | 1050  | -55       | -64 32 41 | 1050      | -55    | -63 35 49 | 1038   | -56   | -63 28 79 |       |        |       |  |
| 300         | 0927      | -46    | -56 31 50 | 0931  | -46       | -54 32 34 | 0931      | -46    | -54 34 38 | 0920   | -46   | -52 28 69 |       |        |       |  |
| 400         | 0729      | -29    | -38 30 37 | 0732  | -29       | -36 32 26 | 0733      | -29    | -40 33 26 | 0722   | -30   | -35 27 57 |       |        |       |  |
| 500         | 0566      | -18    | -52 29 22 | 0569  | -16       | -46 31 19 | 0569      | -18    | -32 30 18 | 0560   | -20   | -32 26 39 |       |        |       |  |
| 700         | 0306      | -2     | -11 25 19 | 0308  | -2        | -15 24 21 | 0309      | -2     | -24 27 9  | 0301   | -3    | -6 26 32  |       |        |       |  |
| 850         | 0151      | 3      | 2 27 19   | 0152  | 4         | 0 21 7    | 0153      | 5      | 0 23 10   | 0144   | 3     | 3 26 33   |       |        |       |  |
| 1000        | 0016      |        |           | 0017  |           |           | 0017      |        |           | 0011   | 12    | 9 23 14   |       |        |       |  |
|             |           |        |           |       |           |           |           |        |           |        |       |           |       |        |       |  |
|             | 0069      | -36    | 29 3      |       |           |           |           |        |           |        |       |           |       |        |       |  |
|             | 0077      | -35    |           |       |           |           |           |        |           |        |       |           |       |        |       |  |
|             | 0083      |        | 13 6      |       |           |           |           |        |           |        |       |           |       |        |       |  |
|             | 0088      |        | 10 5      |       |           |           |           |        |           |        |       |           |       |        |       |  |
|             | 0091      |        | 15 6      | 0078  | -36       | 24 1      |           |        |           |        |       |           |       |        |       |  |
|             | 0102      |        | 16 16     | 0092  |           | 17 6      |           |        |           |        |       |           |       |        |       |  |
|             | 0102      |        | 11 6      | 0097  |           | 19 12     | 0076      | -34    | 15 6      |        |       |           |       |        |       |  |
|             | 0142      |        | 14 3      | 0106  |           | 17 22     | 0101      | -37    | 17 11     |        |       |           |       |        |       |  |
|             | 0164      |        | 20 5      | 0114  | -41       |           | 0112      | -42    | 15 18     |        |       |           |       |        |       |  |
|             | 0200      | -54    | 23 3      | 0132  |           | 9 6       | 0129      | -43    | 12 14     |        |       |           |       |        |       |  |
|             | 0252      |        | 18 7      | 0154  | -50       | 13 2      | 0144      |        | 7 5       |        |       |           |       |        |       |  |
|             | 0290      |        | 22 6      | 0193  | -51       |           | 0158      |        | 33 1      |        |       |           |       |        |       |  |
|             | 0315      |        | 18 8      | 0209  |           | 21 5      | 0200      | -53    | 21 3      | 0071   | -32   | 10 10     |       |        |       |  |
|             | 0342      |        | 18 8      | 0220  | -55       |           | 0234      |        | 23 6      | 0089   |       | 11 5      |       |        |       |  |
|             | 0390      | -54    | 24 9      | 0300  | -56       | 17 6      | 0259      |        | 22 10     | 0099   |       | 18 9      |       |        |       |  |
|             | 0484      |        | 24 9      | 0352  | -53       |           | 0315      | -56    |           | 0107   | -43   |           |       |        |       |  |
|             | 0556      | -57    |           | 0365  |           | 22 8      | 0337      |        | 17 9      | 0122   | -49   |           |       |        |       |  |
|             | 0580      |        | 20 9      | 0420  |           | 20 7      | 0367      |        | 17 8      | 0133   |       | 11 10     |       |        |       |  |
|             | 0654      | -53    |           | 0482  |           | 24 13     | 0400      |        | 19 8      | 0153   | -48   |           |       |        |       |  |
|             | 0676      |        | 24 14     | 0505  | -57       |           | 0436      |        | 16 8      | 0177   |       | 15 10     |       |        |       |  |
|             | 0739      | -57    |           | 0584  |           | 17 6      | 0470      | -55    | 23 6      | 0201   |       | 13 8      |       |        |       |  |
|             | 0796      | -54    |           | 0605  | -55       | 25 6      | 0487      |        | 27 7      | 0236   |       | 17 7      |       |        |       |  |
|             | 0822      | -57    |           | 0649  |           | 26 11     | 0522      | -58    |           | 0257   | -54   |           |       |        |       |  |
|             | 1000      | -56    | 24 9      | 0739  | -58       | 24 14     | 0617      |        | 23 18     | 0283   |       | 19 9      |       |        |       |  |
|             | 1030      |        | 27 14     | 0739  |           | 25 11     | 0651      | -55    | 20 13     | 0309   |       | 17 10     |       |        |       |  |
|             | 1130      | -56    | -88       | 0952  |           | 25 11     | 0651      | -55    |           | 0327   |       | 13 6      |       |        |       |  |
|             | 1210      |        | 27 25     | 1000  | -55       | -87 29 9  | 0721      |        | 26 11     | 0337   |       | 18 5      |       |        |       |  |
|             | 1330      |        | 28 14     | 1060  | -58       | -89 30 16 | 0753      | -58    |           | 0378   |       | 22 10     |       |        |       |  |
|             | 1490      | -58    | -89       | 1240  | -60       | -90       | 0841      |        | 24 13     | 0424   |       | 20 16     |       |        |       |  |
|             | 1690      | -61    | -75       | 1310  |           | 27 13     | 1000      | -57    | -88 27 12 | 0519   |       | 19 5      |       |        |       |  |
|             | 1790      | -67    | -77       | 1500  | -59       | -80 28 20 | 1220      | -57    | -84       | 0618   |       | 23 12     |       |        |       |  |
|             | 1880      | -68    | -78       | 1620  | -61       | -74       | 1300      | -59    | -83       | 0680   | -53   |           |       |        |       |  |
|             | 2040      | -65    | -75       | 1760  | -68       | -77       | 1340      |        | 29 8      | 0778   | -56   |           |       |        |       |  |
|             | 2100      | -64    | -74       | 32 59 | 1860      | -69       | -78 32 34 | 1400   | -58       | -81    | 0849  | -54       |       |        |       |  |
|             | 2500      | -55    | -66 31 54 | 2120  |           | 33 46     | 1440      |        | 30 22     | 0926   |       | 23 20     |       |        |       |  |
|             | 3150      | -44    | -53       | 2660  | -52       | -60       | 1710      | -62    | -73 33 18 | 1000   | -55   | -87 26 18 |       |        |       |  |
|             | 3590      |        | 31 45     | 2750  |           | 32 42     | 1830      | -67    | -76       | 1050   | -56   | -87 27 35 |       |        |       |  |
|             | 3990      | -29    | -38       | 3140  |           | 31 31     | 1910      | -67    | -76 34 44 | 1200   |       | 26 15     |       |        |       |  |
|             | 4360      | -25    | -33       | 4080  | -28       | -35       | 2000      | -66    | -75 35 47 | 1500   | -55   | -78 27 35 |       |        |       |  |
|             | 4710      | -20    | -38       | 4490  |           | 32 27     | 2150      |        | 35 52     | 1550   | -58   | -81       |       |        |       |  |
|             | 4810      | -20    | -55       | 4680  | -20       | -29       | 2750      | -51    | -58       | 1580   |       | 27 37     |       |        |       |  |
|             | 5070      |        | 28 21     | 4950  | -17       | -33       | 3090      | -45    | -53       | 1720   | -59   | -72       |       |        |       |  |
| M           | 5230      | -16    | -49       | 4980  | -17       | -46       | 3890      | -31    | -39       | 1780   | -63   | -74       |       |        |       |  |
| a           | 5370      | -15    | -29       | 5260  | -15       | -47 29 17 | 4330      | -24    | -48       | 1930   | -65   | -73       |       |        |       |  |
| r           | 5440      | -14    | -26       | 5390  | -15       | -25       | 4390      | -23    | -49       | 2000   | -65   | -73 29 79 |       |        |       |  |
| k           | 5660      | -12    | -27       | 5820  | -10       | -23       | 4450      |        | 33 24     | 2040   |       | 29 83     |       |        |       |  |
| a           | 5960      | -9     | -16       | 5940  | -9        | -17       | 4680      | -20    | -49       | 2160   | -62   | -69 29 80 |       |        |       |  |
| n           | 6000      |        | 26 23     | 6000  |           | 28 18     | 4820      | -20    | -47       | 2390   | -58   | -65       |       |        |       |  |
| t           | 6120      | -7     | -19       | 6080  | -8        | -22       | 4910      | -20    | -32       | 2600   | -53   | -60       |       |        |       |  |
| e           | 6370      | -7     | -12       | 6180  | -8        | -15       | 5050      |        | 29 17     | 3130   | -44   | -49       |       |        |       |  |
|             | 6760      |        | 26 24     | 6810  | -2        | -18       | 5190      | -16    | -36       | 4040   | -29   | -34       |       |        |       |  |
|             | 6930      | -2     | -9        | 7120  |           | 24 20     | 5270      | -15    | -32       | 4600   | -24   | -27       |       |        |       |  |
| P           | 7020      | -2     | -12       | 7260  | 0         | -10       | 5670      | -12    | -23       | 4960   | -21   | -33 26 33 |       |        |       |  |
| u           | 7140      | -2     | -10       | 7360  | 1         | -12       | 5870      |        | 30 7      | 6000   |       | 27 34     |       |        |       |  |
| n           | 7250      | -4     | -6        | 7450  | 1         | -10       | 6000      |        | 29 7      | 6090   | -8    | -28       |       |        |       |  |
| k           | 7320      |        | 26 12     | 7580  | 2         | -10       | 6030      | -8     | -26       | 6260   | -7    | -25       |       |        |       |  |
| t           | 7890      | 1      | -4        | 7780  | 3         | -8        | 7370      | 1      | -23 26 9  | 6430   | -6    | -23       |       |        |       |  |
| e           | 8000      |        | 27 21     | 7880  | -1        | -2        | 7580      | -1     | -9        | 6560   | -6    | -9        |       |        |       |  |
|             | 8050      | 2      | 0         | 7910  | 0         | -1        | 7720      | 1      | -16 25 19 | 7460   | 0     | -3        |       |        |       |  |
|             | 8090      | 1      | 0         | 8000  |           | 25 11     | 7940      | 2      | -8        | 8000   |       | 26 33     |       |        |       |  |
|             | 8170      |        | 27 22     | 8080  |           | 25 11     | 8000      |        | 24 15     | 8230   | 4     | 1         |       |        |       |  |
|             | 8440      | 3      | 2         | 8230  | 1         | -1        | 8050      | 2      | -3        | 8340   | 2     | 2 26 33   |       |        |       |  |
|             | 8670      |        | 26 17     | 8690  | 5         | 1         | 8210      | 2      | -1        | 8750   | 4     | 4         |       |        |       |  |
|             | 8960      | 6      | 5         | 8820  |           | 19 7      | 8610      |        | 23 9      | 8850   | 4     | 4         |       |        |       |  |
|             | 9120      |        | 24 10     | 9170  |           | 18 4      | 8650      |        | 23 8      | 9090   |       | 24 3      |       |        |       |  |
|             | 9250      | 9      | 5 23 9    | 9250  | 10        | 3 16 3    | 9080      | 10     | 1         | 9250   | 6     | 6 24 3    |       |        |       |  |
|             | 9400      | 10     | 5         | 9560  | 12        | 4         | 9280      | 12     | 2         | 9280   | 6     | 6 24 3    |       |        |       |  |
|             | 9580      | 11     | 5         | 9710  | 14        | 11 1      | 9530      | 14     | 2         | 9440   | 7     | 7         |       |        |       |  |
|             | 9660      | 13     | 9 18 8    | 9830  | 15        | 5 2 1     | 9640      | 17     | 6 28 2    | 0130   | 13    | 9 23 14   |       |        |       |  |
|             |           |        |           |       |           |           |           |        |           |        |       |           |       |        |       |  |
| Tropo-pause | 1880      | -68    | -78 31 49 | 1860  | -69       | -78 32 34 | 1910      | -67    | -76 34 44 | 2000   | -65   | -73 29 79 |       |        |       |  |
|             |           |        |           |       |           |           |           |        |           |        |       |           |       |        |       |  |
| Max-wind    | 2100      | -64    | -74 32 59 | 0326  |           |           | 0327      |        |           | 2160   | -62   | -69 29 8  |       |        |       |  |
| 30/50       | 0328      |        |           | 0439  |           |           | 0439      |        |           | 0328   |       |           |       |        |       |  |
| 50/100      | 0440      |        |           | 0439  |           |           | 0439      |        |           | 0445   |       |           |       |        |       |  |
| 100/200     | 0433      |        |           | 0430  |           |           | 0433      |        |           | 0437   |       |           |       |        |       |  |
| 200/500     | 0620      |        |           | 0620  |           |           | 0620      |        |           | 0617   |       |           |       |        |       |  |
| 500/1000    | 0550      |        |           | 0552  |           |           | 0552      |        |           | 0549   |       |           |       |        |       |  |

## Höhenwinde

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