



Donnerstag, den 19. Oktober 1978

| Station                        | Höhe | 06 Uhr GMT |       |       |       |   |                                   | 09 Uhr GMT |       |       |   |                                   |       | 00-06 | 06-09 | 18-06 | T <sub>max</sub> T <sub>min</sub> T <sub>mittel</sub> | RR mm | E <sub>max</sub> V' |
|--------------------------------|------|------------|-------|-------|-------|---|-----------------------------------|------------|-------|-------|---|-----------------------------------|-------|-------|-------|-------|---|-------|---------------------|
|                                |      | III        | Nddff | VvwvW | PPFFT | N <sub>1</sub> ChC <sub>0</sub> C <sub>10</sub> | T <sub>0</sub> T <sub>4</sub> 0pp | Nddff      | VvwvW | PPFFT | N <sub>1</sub> ChC <sub>0</sub> C <sub>10</sub> | T <sub>0</sub> T <sub>4</sub> 0pp |       |       |       |       |   |       |                     |
| Helgoland                      | 4    | 015        | 72912 | 81216 | 23112 | 784--   | 10101                             | 73107      | 82032 | 24413 | 784--   | 09313                             |       |       |       |       |   |       |                     |
| List                           | 26   | 020        | 73114 | 75026 | 22111 | 755--   | 08305                             | 63213      | 81028 | 23411 | 68401   | 09213                             | ---27 | ---26 | 70110 | 09809 | 01050   | 1     |                     |
| Schleswig                      | 43   | 035        | 83105 | 75506 | 22510 | 853--   | 09207                             | 72808      | 80205 | 23411 | 784--   | 08209                             |       |       | 79507 | 08208 | 95059   | 1     |                     |
| Kiel                           | 7    | 045        | 82704 | 60616 | 22110 | 852--   | 09304                             | 72704      | 80026 | 23311 | 784--   | 09212                             |       |       | 79306 | 09603 | 93079   | 1     |                     |
| Norderney                      | 13   | 113        | 82917 | 6250- | 23812 | 754--   | 08400                             | 82816      | 62506 | 25011 | 754--   | 09112                             |       |       | 79710 | 10809 | 91038   | 1     |                     |
| Bremerhaven                    | 7    | 129        | 82412 | 80406 | 24410 | 755--   | 09202                             | 82513      | 60506 | 25010 | 752--   | 08206                             |       |       | 79709 | 08406 | 97080   | 1     |                     |
| Cuxhaven                       | 4    | 131        | 82509 | 68216 | 22511 | 773--   | 10302                             | 73207      | 80252 | 23812 | 784--   | 10213                             |       |       | 70109 | 08906 | 01039   | 1     |                     |
| Hamburg-Fuhlsbüttel, Flugh.    | 16   | 147        | 82408 | 59202 | 23309 | 853--   | 07301                             | 82608      | 56205 | 24410 | 862--   | 09211                             |       |       | 79705 | 06401 | 97065   | 1     |                     |
| Lübeck                         | 8    | 156        | 82408 | 62022 | 22709 | 854--   | 07101                             | 82407      | 65055 | 23910 | 874--   | 09212                             |       |       | 70007 | 08105 | 00077   | 1     |                     |
| Emden-Hafen                    | 6    | 203        | 82506 | 70022 | 24910 | 855--   | 07400                             | 82606      | 65022 | 26311 | 855--   | 07214                             |       |       | 70008 | 09107 | 91045   | 1     |                     |
| Bremen, Flugh.                 | 3    | 224        | 82507 | 66022 | 24507 | 755--   | 06400                             | 82707      | 59502 | 25310 | 864--   | 07208                             |       |       | 70004 | 06403 | 01067   | 1     |                     |
| Sothau                         | 77   | 235        | 82704 | 6521- | 24707 | 856--   | 06203                             | 72705      | 70516 | 25509 | 756--   | 07209                             |       |       | 79202 | 06350 | 92059   | 1     |                     |
| Lüchow                         | 17   | 253        | 22404 | 7501- | 24206 | 28500   | 04201                             | 72405      | 70028 | 25009 | 785--   | 07208                             |       |       | 79104 | 03902 | 91076   | 1     |                     |
| Lingen                         | 21   | 305        | 72203 | 70011 | 26306 | 756--   | 05104                             | 72204      | 75012 | 27008 | 756--   | 06107                             |       |       | 70004 | 06402 | 00058   | 1     |                     |
| Münster                        | 63   | 313        | 40000 | 60030 | 26802 | 45601   | 02303                             | 70000      | 62021 | 27607 | 756--   | 05211                             |       |       | 70002 | 05850 | 91058   | 1     |                     |
| Osnabrück                      | 95   | 317        | 72404 | 7501- | 26706 | 756--   | 04202                             | 72504      | 70502 | 27408 | 6557-   | 05208                             |       |       | 70004 | 06551 | 97081   | 1     |                     |
| Gütersloh                      | 72   | 320        | 91602 | 01474 | 27403 | 9----   | 03208                             | 71702      | 18284 | 28205 | 762--   | 05109                             |       |       | 79702 | ----- | 97----  |       |                     |
| Bad Salzuflen                  | 98   | 325        | 71701 | 06424 | 25803 | 752--   | 03102                             | 62302      | 60012 | 26707 | 55601   | 04111                             |       |       | 70003 | 06801 | 00051   | 1     |                     |
| Hannover-Langenhagen, Flugh.   | 56   | 338        | 72604 | 62211 | 25706 | 756--   | 05205                             | 72708      | 75216 | 26509 | 756--   | 07308                             |       |       | 79705 | 07403 | 97082   | 1     |                     |
| Braunschweig-Völkenrode        | 81   | 348        | 42306 | 15102 | 25305 | 45700   | 04205                             | 62407      | 56101 | 26008 | 65600   | 05108                             |       |       | 70004 | 06003 | 00032   | 1     |                     |
| Berlin-Dahlem                  | 51   | 381        | 12503 | 40100 | 24601 | 10930   | 01207                             | 72203      | 15284 | 25506 | 7095-   | 06110                             |       |       | 70001 | 04852 | 00025   | 1     |                     |
| Berlin-Tempelhof, Flugh.       | 50   | 384        | 12405 | 30110 | 24503 | 10940   | 03208                             | 72106      | 18284 | 25805 | 1623-   | 05113                             |       |       | 70003 | 06352 | 00034   | 1     |                     |
| Düsseldorf, Flugh.             | 45   | 400        | 80000 | 05424 | 27506 | 860--   | 06003                             | 81903      | 13104 | 28507 | 861--   | 07210                             |       |       | 70003 | 05600 | 00013   | 1     |                     |
| Bocholt                        | 25   | 406        | 61503 | 1810- | 26701 | 65500   | 00302                             | 71603      | 38102 | 27206 | 755--   | 05206                             |       |       | 70001 | 05051 | 97043   | 1     |                     |
| Essen                          | 154  | 410        | 72202 | 25104 | 27203 | 756--   | 03101                             | 82504      | 12104 | 28007 | 754--   | 06211                             |       |       | 70003 | 06800 | 97063   | 1     |                     |
| Kahler Asten                   | 835  | 427        | 83406 | 15284 | 53103 | 861--   | 03302                             | 63507      | 80012 | 54204 | 624--   | 03211                             |       |       | 70002 | 03451 | 00051   | 1     |                     |
| Bad Lippringse                 | 151  | 430        | 81801 | 1510- | 26906 | 862--   | 05203                             | 82402      | 08424 | 27805 | 862--   | 05208                             |       |       | 70005 | 05504 | 00017   | 1     |                     |
| Kassel                         | 231  | 438        | 40000 | 50102 | 26003 | 45301   | 03203                             | 72401      | 37102 | 27405 | 752--   | 05215                             |       |       | 70003 | 04750 | 00054   | 1     |                     |
| Göttingen                      | 176  | 444        | 80000 | 2310- | 26406 | 862--   | 05207                             | 62301      | 56102 | 27707 | 65300   | 05213                             |       |       | 70003 | 04307 | 00044   | 1     |                     |
| Braunlage                      | 607  | 452        | 43003 | 8201- | 25803 | 45400   | 01203                             | 23509      | 83030 | 26206 | 22400   | 02211                             |       |       | 70001 | 03454 | 00060   | 1     |                     |
| Aachen                         | 202  | 501        | 51801 | 40101 | 27403 | 58300   | 03105                             | 71901      | 57101 | 28606 | 755--   | 04111                             |       |       | 70003 | 06801 | 00050   | 1     |                     |
| Nürburg                        | 627  | 510        | 93203 | 00454 | 27303 | 9----   | 03202                             | 93505      | 01454 | 28004 | 9----   | 04210                             |       |       | 70003 | 04603 | 00067   | 1     |                     |
| Köln-Bonn, Flugh.              | 91   | 513        | 90000 | 01454 | 27406 | 9----   | 06203                             | 92702      | 02454 | 28306 | 9----   | 06210                             |       |       | 70001 | 02700 | 00011   | 1     |                     |
| Kablenz                        | 96   | 515        | 80203 | 2210- | 26607 | 862--   | 06304                             | 83403      | 28105 | 28007 | 853--   | 06113                             |       |       | 70006 | 081-- | 00066   | 1     |                     |
| Marienberg                     | 547  | 526        | 23605 | 5840- | 26403 | 00901   | 03304                             | 33604      | 65030 | 26706 | 11401   | 05211                             |       |       | 70003 | 04250 | 00037   | 1     |                     |
| Gießen                         | 182  | 532        | 83202 | 12101 | 26900 | 864--   | 51304                             | 93002      | 05434 | 28102 | 9----   | 02214                             |       |       | 70050 | 04953 | 00072   | 3     |                     |
| Bad Hersfeld                   | 212  | 542        | 82303 | 3510- | 27303 | 853--   | 01306                             | 82002      | 35102 | 28305 | 862--   | 03211                             |       |       | 70001 | 04451 | 00047   | 1     |                     |
| Wasserkuppe                    | 921  | 544        | 90209 | 00471 | 52501 | 9----   | 01203                             | 90208      | 02434 | 53702 | 9----   | 02211                             |       |       | 70001 | 01150 | 00021   | 1     |                     |
| Trier-Petrisberg               | 265  | 609        | 70303 | 56101 | 26805 | 7544-   | 04103                             | 80406      | 57102 | 27506 | 784--   | 05309                             |       |       | 70003 | 05701 | 00074   | 0     |                     |
| Deuselbach                     | 479  | 615        | 80000 | 3010- | 26704 | 862--   | 04209                             | 70306      | 56102 | 27605 | 755--   | 04211                             |       |       | 70004 | 04301 | 00066   | 1     |                     |
| Kl. Feldberg/Ts.               | 805  | 635        | 20511 | 20100 | 53003 | 00901   | 02103                             | 30810      | 40050 | 54805 | 22201   | 01213                             |       |       | 70002 | 02451 | 00044   | 1     |                     |
| Frankfurt, Flugh.              | 112  | 637        | 70803 | 50101 | 26501 | 751--   | 01207                             | 70901      | 35104 | 27605 | 752--   | 04212                             |       |       | 70051 | 05753 | 00066   | 1     |                     |
| Darmstadt                      | 133  | 639        | 70609 | 5803- | 26703 | 753--   | 02309                             | 80507      | 45102 | 27706 | 763--   | 04211                             |       |       | 70002 | 06351 | 00066   | 1     |                     |
| Würzburg                       | 239  | 655        | 83204 | 01420 | 27451 | 861--   | 51211                             | 93002      | 01454 | 28301 | 9----   | 01212                             |       |       | 70051 | 05250 | 00011   | 1     |                     |
| Bad Kissingen                  | 262  | 658        | 92201 | 01454 | 27251 | 9----   | 51207                             | 93601      | 01404 | 28701 | 9----   | 00216                             |       |       | 70051 | 04551 | 00025   | 1     |                     |
| Coburg                         | 337  | 671        | 03301 | 01464 | 27752 | 00900   | 52205                             | 90000      | 00454 | 28800 | 9----   | 00114                             |       |       | 70052 | 03753 | 00008   | 3     |                     |
| Bamberg                        | 239  | 675        | 90105 | 00454 | 27300 | 9----   | 50209                             | 93604      | 01454 | 28701 | 9----   | 01215                             |       |       | 70000 | 05900 | 00000   | 1     |                     |
| Hof                            | 567  | 685        | 93501 | 01471 | 26402 | 9----   | 01309                             | 11401      | 45104 | 26805 | 11400   | 03211                             |       |       | 70001 | 03350 | 00000   | 1     |                     |
| Weiden                         | 438  | 688        | 10000 | 21100 | 26300 | 10930   | 51205                             | 23603      | 56101 | 27104 | 25500   | 02116                             |       |       | 70000 | 06052 | 91000   | 1     |                     |
| Berun                          | 363  | 704        | 40306 | 3510- | 26503 | 10941   | 03400                             | 90407      | 01454 | 27204 | 9----   | 04208                             |       |       | 70002 | 05200 | 00088   | 1     |                     |
| Tholey                         | 398  | 706        | 70208 | 30101 | 26503 | 762--   | 02205                             | 20409      | 56101 | 26706 | 21301   | 05207                             |       |       | 70003 | 05101 | 00090   | 1     |                     |
| Saarbrücken-Ensheim, Flugh.    | 322  | 708        | 20406 | 11410 | 26203 | 16131   | 02303                             | 60605      | 07424 | 27203 | 661--   | 03211                             |       |       | 70001 | 05553 | 00071   | 0     |                     |
| Neustadt/Weinstr.              | 163  | 723        | 20000 | 5710- | 26401 | 10941   | 50305                             |            |       |       |   |                                   |       |       | 70001 | 06950 | 00070   | 0     |                     |
| Weinbiet/Weinstr.              | 553  | 724        |       |       |       |   |                                   |            |       |       |   |                                   |       |       |       |       |   |       |                     |
| Karlsruhe                      | 112  | 727        | 90000 | 03454 | 26201 | 9----   | 01202                             | 23402      | 20104 | 27303 | 00901   | 03212                             |       |       | 70000 | 06651 | 00035   | 1     |                     |
| Mannheim                       | 97   | 729        | 10201 | 58030 | 26701 | 00901   | 01305                             | 10000      | 56104 | 27706 | 00901   | 04112                             |       |       | 70001 | 06052 | 00037   | 1     |                     |
| Stuttgart (Stadt)              | 305  | 737        | 80102 | 13102 | 26004 | 862--   | 04207                             | 70403      | 45102 | 27404 | 762--   | 03213                             |       |       | 70004 | 076-- | 00000   | 1     |                     |
| Stuttgart-Echterdingen, Flugh. | 396  | 738        | 90303 | 06434 | 25903 | 9----   | 02204                             | 70202      | 40104 | 26904 | 763--   | 03111                             |       |       | 70003 | 06402 | 000--   | 1     |                     |
| Öhringen                       | 276  | 742        | 90903 | 03434 | 26401 | 9----   | 01209                             | 91003      | 04434 | 27602 | 9----   | 02213                             |       |       | 70050 | 06052 | 00016   | 1     |                     |
| Weißenburg/Bay.                | 422  | 761        | 93603 | 04472 | 25703 | 9----   | 02207                             | 83604      | 22104 | 26404 | 861--   | 03109                             |       |       | 70003 | 05903 | 95000   | 1     |                     |
| Nürnberg, Flugh.               | 319  | 763        | 70000 | 01444 | 26851 | 760--   | 52207                             | 73301      | 02444 | 28001 | 761--   | 00213                             |       |       | 70051 | 06752 | 97000   | 1     |                     |
| Regensburg                     | 376  | 776        | 83607 | 40106 | 24505 | 756--   | 04209                             | 20208      | 50101 | 25607 | 28400   | 04213                             |       |       | 79705 | 07205 | 97000   | 1     |                     |
| Gr. Falkenstein                | 1307 | 791        | 90702 | 06434 | 51901 | 9----   | 01206                             | 90503      | 01454 | 53302 | 9----   | 02313                             |       |       | 70001 | 02101 | 00000   | 1     |                     |
| Freiburg                       | 269  | 80         |       |       |       |   |                                   |            |       |       |   |                                   |       |       |       |       |   |       |                     |

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| Station                        | 12 Uhr GMT |     |       |       |       |                                    |                                   |       | 15 Uhr GMT |       |                                    |                                   |       | 06-12<br>T <sub>1</sub> , T <sub>2</sub> , T <sub>3</sub> | 13-15<br>T <sub>1</sub> , T <sub>2</sub> , T <sub>3</sub> | 06-12<br>T <sub>1</sub> --- |
|--------------------------------|------------|-----|-------|-------|-------|------------------------------------|-----------------------------------|-------|------------|-------|------------------------------------|-----------------------------------|-------|---|---|-----------------------------|
|                                | Höhe       | III | NdHff | VWwW  | FFFFT | N <sub>2</sub> ChC <sub>2</sub> Ch | T <sub>1</sub> T <sub>2</sub> 099 | NdHff | VWwW       | FFFFT | N <sub>2</sub> ChC <sub>2</sub> Ch | T <sub>1</sub> T <sub>2</sub> 099 |       |   |   |                             |
| Helfgoland                     | 4          | 015 | 53412 | 84012 | 24514 | 58401                              | 09001                             | 73004 | 84022      | 24112 | 784--                              | 09704                             |       |   | 700--   |                             |
| List                           | 26         | 020 | 73113 | 82028 | 23812 | 784--                              | 09104                             | 72913 | 80022      | 22812 | 756--                              | 08809                             | ---   | 26  | 794--   |                             |
| Schleswig                      | 43         | 035 | 83208 | 70586 | 23911 | 885--                              | 08105                             | 72709 | 80806      | 22612 | 785--                              | 08813                             |       |   | 791--   |                             |
| Kiel                           | 7          | 045 | 62805 | 80016 | 23313 | 68501                              | 10000                             | 72805 | 75032      | 22912 | 785--                              | 10604                             |       |   | 792--   |                             |
| Norderney                      | 13         | 113 | 82509 | 65806 | 25312 | 784--                              | 10003                             | 83208 | 57618      | 24511 | 883--                              | 10708                             |       |   | 703--   |                             |
| Bremerhaven                    | 7          | 129 | 82610 | 62206 | 25211 | 784--                              | 10202                             | 72510 | 62038      | 25011 | 784--                              | 10802                             |       |   | 701--   |                             |
| Cuxhaven                       | 4          | 131 | 73009 | 80018 | 24112 | 784--                              | 10003                             | 72405 | 75032      | 23412 | 784--                              | 09707                             |       |   | 793--   |                             |
| Hamburg-Fuhlabüttel, Flugh.    | 16         | 147 | 62610 | 58015 | 24212 | 683--                              | 10802                             | 72909 | 70028      | 23812 | 784--                              | 09604                             |       |   | 701--   |                             |
| Lübeck                         | 8          | 156 | 83108 | 65255 | 23711 | 724--                              | 07802                             | 72707 | 80022      | 23012 | 784--                              | 07607                             |       |   | 794--   |                             |
| Emden-Hafen                    | 6          | 203 | 82704 | 57052 | 26512 | 855--                              | 08102                             | 82704 | 35505      | 25511 | 854--                              | 09810                             |       |   | 700--   |                             |
| Bremen, Flugh.                 | 3          | 224 | 82806 | 38586 | 25810 | 862--                              | 09205                             | 72709 | 59506      | 24811 | 754--                              | 09710                             |       |   | 792--   |                             |
| Soltau                         | 77         | 235 | 83006 | 59516 | 25510 | 853--                              | 09000                             | 82806 | 60025      | 25010 | 855--                              | 09705                             |       |   | 795--   |                             |
| Lüchow                         | 17         | 253 | 82606 | 62208 | 25010 | 852--                              | 09000                             | 82807 | 58022      | 24511 | 854--                              | 09705                             |       |   | 797--   |                             |
| Lingen                         | 21         | 305 | 72605 | 70022 | 26812 | 756--                              | 06802                             | 72906 | 70022      | 25813 | 785--                              | 06710                             |       |   | 700--   |                             |
| Münster                        | 63         | 313 | 23204 | 70031 | 27213 | 18531                              | 06803                             | 52703 | 75011      | 26212 | 21531                              | 04709                             |       |   | 700--   |                             |
| Osnabrück                      | 95         | 317 | 72804 | 70025 | 27311 | 755--                              | 06000                             | 72503 | 75012      | 26511 | 756--                              | 06708                             |       |   | 797--   |                             |
| Gütersloh                      | 72         | 320 | 32403 | 62024 | 27611 | 384--                              | 07804                             | 62402 | 64031      | 26512 | 685--                              | 06611                             |       |   |   |                             |
| Bad Salzungen                  | 98         | 325 | 72403 | 70022 | 26710 | 784--                              | 06001                             | 72703 | 75022      | 25711 | 6853-                              | 05709                             |       |   | 700--   |                             |
| Hannover-Langenhagen, Flugh.   | 56         | 338 | 72709 | 75026 | 26311 | 756--                              | 07801                             | 82707 | 65505      | 25611 | 885--                              | 08707                             |       |   | 797--   |                             |
| Braunschweig-Völkenrode        | 81         | 348 | 72707 | 62031 | 25910 | 755--                              | 07400                             | 72506 | 62012      | 25110 | 785--                              | 07808                             |       |   | 700--   |                             |
| Berlin-Dahlem                  | 51         | 381 | 82405 | 57204 | 25010 | 6547-                              | 08804                             | 82504 | 61505      | 24110 | 6847-                              | 09709                             |       |   | 797--   |                             |
| Berlin-Tempelhof, Flugh.       | 50         | 384 | 82407 | 57604 | 25110 | 6571-                              | 07806                             | 82407 | 58215      | 24111 | 684--                              | 08710                             |       |   | 797--   |                             |
| Düsseldorf, Flugh.             | 45         | 400 | 51904 | 23104 | 28210 | 555--                              | 08802                             | 62405 | 59031      | 26912 | 68500                              | 03713                             |       |   | 700--   |                             |
| Bocholt                        | 25         | 406 | 71903 | 58022 | 27410 | 755--                              | 08102                             | 62103 | 65022      | 26312 | 28531                              | 07811                             |       |   | 700--   |                             |
| Essen                          | 154        | 410 | 42605 | 40054 | 27510 | 28431                              | 06803                             | 72303 | 58012      | 26611 | 785--                              | 04708                             |       |   | 700--   |                             |
| Kahler Asten                   | 835        | 427 | 50205 | 84022 | 54806 | 52501                              | 01000                             | 60903 | 89012      | 54106 | 68500                              | 02709                             |       |   | 700--   |                             |
| Bad Lippringse                 | 151        | 430 | 22102 | 60014 | 27310 | 28501                              | 05801                             | 42705 | 57051      | 26011 | 38530                              | 05712                             |       |   | 700--   |                             |
| Kassel                         | 231        | 438 | 33303 | 59031 | 26810 | 38400                              | 05801                             | 52402 | 75030      | 25312 | 58401                              | 03713                             |       |   | 700--   |                             |
| Göttingen                      | 176        | 444 | 52702 | 70012 | 26911 | 31540                              | 05805                             | 62802 | 80012      | 25411 | 58541                              | 04714                             |       |   | 700--   |                             |
| Braunlage                      | 607        | 452 | 73305 | 81031 | 25708 | 784--                              | 03001                             | 73306 | 80022      | 25807 | 784--                              | 03601                             |       |   | 700--   |                             |
| Aachen                         | 202        | 501 | 70301 | 80031 | 27810 | 6853-                              | 02804                             | 73303 | 70022      | 26610 | 785--                              | 04712                             |       |   | 700--   |                             |
| Nürnberg                       | 627        | 510 | 70102 | 63024 | 27406 | 782--                              | 04000                             | 70703 | 63022      | 26606 | 784--                              | 03708                             |       |   | 700--   |                             |
| Köln-Bonn, Flugh.              | 91         | 513 | 80000 | 15104 | 28407 | 861--                              | 07001                             | 52701 | 62031      | 26611 | 58430                              | 04717                             |       |   | 700--   |                             |
| Koblenz                        | 96         | 515 | 73001 | 59025 | 27909 | 754--                              | 06000                             | 30503 | 68011      | 26011 | 38500                              | 04718                             |       |   | 797--   |                             |
| Marienberg                     | 547        | 526 | 63505 | 70021 | 26208 | 64400                              | 03001                             | 43402 | 73012      | 25208 | 48400                              | 02708                             |       |   | 700--   |                             |
| Gießen                         | 182        | 532 | 12801 | 56104 | 27307 | 12600                              | 06804                             | 33201 | 68030      | 25311 | 38600                              | 03716                             |       |   | 700--   |                             |
| Bad Hersfeld                   | 212        | 542 | 62203 | 60022 | 27310 | 68500                              | 04805                             | 60603 | 75012      | 26410 | 68500                              | 03708                             |       |   | 700--   |                             |
| Wasserkuppe                    | 921        | 544 | 63608 | 62034 | 54104 | 62000                              | 02000                             | 60207 | 68032      | 53303 | 68200                              | 51507                             |       |   | 700--   |                             |
| Trier-Petrisberg               | 265        | 609 | 30307 | 62011 | 26909 | 32400                              | 05804                             | 40407 | 70030      | 25111 | 48400                              | 04715                             |       |   | 700--   |                             |
| Deuselbach                     | 479        | 615 | 60106 | 64022 | 26808 | 65500                              | 04802                             | 70307 | 72032      | 25208 | 744--                              | 04715                             |       |   | 700--   |                             |
| Kl. Feldberg/Ts.               | 805        | 635 | 70408 | 56052 | 54905 | 723--                              | 01001                             | 61004 | 57052      | 54305 | 62301                              | 01606                             |       |   | 700--   |                             |
| Frankfurt, Flugh.              | 112        | 637 | 20103 | 57054 | 26909 | 22400                              | 05804                             | 10903 | 60010      | 25911 | 22500                              | 05709                             |       |   | 700--   |                             |
| Darmstadt                      | 133        | 639 | 80106 | 45102 | 27506 | 763--                              | 04801                             | 10705 | 63021      | 25611 | 11501                              | 05714                             |       |   | 700--   |                             |
| Würzburg                       | 259        | 655 | 82001 | 14284 | 27804 | 862--                              | 04803                             | 43504 | 50101      | 25707 | 42200                              | 05716                             |       |   | 700--   |                             |
| Bad Kissingen                  | 262        | 658 | 80302 | 25104 | 28105 | 861--                              | 04803                             | 43602 | 68011      | 25910 | 48500                              | 05716                             |       |   | 700--   |                             |
| Coburg                         | 337        | 671 | 73201 | 13284 | 27704 | 762--                              | 04805                             | 33402 | 50101      | 25707 | 38500                              | 06715                             |       |   | 700--   |                             |
| Bamberg                        | 239        | 675 | 90305 | 09434 | 27504 | 9----                              | 04808                             | 03607 | 63014      | 25409 | 00900                              | 05715                             |       |   | 700--   |                             |
| Hof                            | 567        | 685 | 73407 | 68034 | 26406 | 784--                              | 04801                             | 20306 | 68011      | 25407 | 28500                              | 02707                             |       |   | 700--   |                             |
| Weiden                         | 438        | 688 | 13403 | 62021 | 25509 | 11500                              | 01807                             | 10303 | 71020      | 24310 | 11600                              | 00709                             |       |   | 700--   |                             |
| Berun                          | 363        | 704 | 40605 | 62014 | 27008 | 48400                              | 07204                             | 10609 | 81011      | 25310 | 14501                              | 03812                             |       |   | 700--   |                             |
| Tholey                         | 398        | 706 | 30409 | 75021 | 26509 | 32401                              | 05103                             | 30910 | 82020      | 24810 | 32501                              | 01815                             |       |   | 700--   |                             |
| Saarbrücken-Ensdorf, Flugh.    | 322        | 708 | 50710 | 65014 | 26507 | 42401                              | 04801                             | 10609 | 80011      | 24309 | 11501                              | 04718                             |       |   | 700--   |                             |
| Neustadt/Weinstr.              | 163        | 723 | 20610 | 59030 | 26011 | 22500                              | 05803                             |       |            |       |                                    |                                   |       |   | 700--   |                             |
| Weinbiet/Weinstr.              | 553        | 724 |       |       |       |                                    |                                   |       |            |       |                                    |                                   |       |   |   |                             |
| Karlsruhe                      | 117        | 727 | 50606 | 35054 | 27107 | 42501                              | 03002                             | 50206 | 56051      | 25309 | 42501                              | 04716                             |       |   | 700--   |                             |
| Mannheim                       | 92         | 729 | 73601 | 50104 | 27208 | 754--                              | 06804                             | 10101 | 60011      | 25311 | 11500                              | 06717                             |       |   | 700--   |                             |
| Stuttgart (Stadt)              | 305        | 737 | 50107 | 56052 | 26306 | 51500                              | 02808                             | 13605 | 60011      | 24808 | 11500                              | 03711                             |       |   | 700--   |                             |
| Stuttgart-Echterdingen, Flugh. | 396        | 738 | 30207 | 58011 | 26007 | 31400                              | 03804                             | 10106 | 62010      | 24408 | 11500                              | 03713                             |       |   | 700--   |                             |
| Öhringen                       | 276        | 742 | 61203 | 57102 | 26607 | 61400                              | 04804                             | 00507 | 63011      | 24609 | 00900                              | 03617                             |       |   | 700--   |                             |
| Weißenburg/Bay.                | 422        | 761 | 70305 | 56104 | 25607 | 72500                              | 03803                             | 10205 | 56051      | 24109 | 11500                              | 04711                             |       |   | 700--   |                             |
| Nürnberg, Flugh.               | 319        | 763 | 12803 | 56054 | 26108 | 11400                              | 04808                             | 13106 | 66020      | 24410 | 11500                              | 04713                             |       |   | 700--   |                             |
| Regensburg                     | 376        | 776 | 20906 | 60011 | 25009 | 21500                              | 03802                             | 21103 | 62020      | 23010 | 21500                              | 03718                             |       |   | 700--   |                             |
| Gr. Falkenstein                | 1307       | 791 | 70702 | 08414 | 53401 | 751--                              | 01102                             | 42503 | 60024      | 53302 | 45400                              | 50802                             |       |   | 700--   |                             |
| Freiburg                       | 269        | 803 | 13408 | 50054 | 24708 | 18400                              | 04805                             | 53305 | 61031      | 22710 | 58500                              | 05612                             |       |   | 700--   |                             |
| Freudenstadt                   | 797        | 815 | 10305 | 75021 | 53506 | 00901                              | 51803                             | 10406 | 81020      | 52507 | 00901                              | 52712                             |       |   | 700--   |                             |
| Klippeneck                     | 973        | 818 | 60906 | 59024 | 52705 | 621--                              | 04000                             | 50503 | 61022      | 51905 | 52200                              | 03710                             |       |   | 700--   |                             |
| Stetten                        | 734        | 836 | 20507 | 62024 | 25507 | 11401                              | 02804                             | 30708 | 62020      | 24606 | 11400                              | 02709                             |       |   | 700--   |                             |
| Ulm                            | 522        | 838 | 80604 | 30102 | 26304 | 863--                              | 03801                             | 70705 | 58012      | 24706 | 784--                              | 02712                             |       |   | 700--   |                             |
| Augsburg                       | 477        | 852 | 70805 | 50052 | 25607 | 784--                              | 03802                             | 70505 | 57052      | 24507 | 755--                              | 03709                             |       |   | 700--   |                             |
| München-Riem, Flugh.           | 530        | 866 | 83403 | 50102 | 25406 | 862--                              | 04400                             | 80602 | 45102      | 24407 | 863--                              | 04608                             |       |   | 700--   |                             |
| Mühlhof                        | 401        | 875 | 83603 | 50102 | 24908 | 863--                              | 06003                             | 80000 | 50102      | 24106 | 863--                              | 06608                             |       |   | 700--   |                             |
| Passau                         | 409        | 893 | 80902 | 57515 | 25407 | 855--                              | 07101                             | 81202 | 65025      | 24807 | 855--                              | 06805                             |       |   | 701--   |                             |
| Feldberg/Schw.                 | 1486       | 908 | 90818 | 00454 | 52200 | 9----                              | 00000                             | 90815 | 00454      | 51601 | 9----                              | 01706                             |       |   | 700--   |                             |
| Konstanz                       | 443        | 929 | 83605 | 59022 | 24008 | 884--                              | 04802                             | 73511 | 56101      | 23707 | 774--                              | 04707                             | 22-27 | 20-27   | 700--   |                             |

Donnerstag, den 19. Oktober 1970

| Station                        | 18 Uhr GMT |     |       |       |       |   |                                   | 21 Uhr GMT |       |       |   |                                   | 13-18                           |                                 |                                 | 18-21                           |                                  |                                   | 06-18                             |                                   |                  | Erdbodentemperatur |
|--------------------------------|------------|-----|-------|-------|-------|---|-----------------------------------|------------|-------|-------|---|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------|--------------------|
|                                | Höhe       | iii | NdHf  | VVwvW | PFPT  | N <sub>2</sub> O <sub>2</sub> CO <sub>2</sub> CH <sub>4</sub> | T <sub>g</sub> T <sub>a</sub> 099 | NdHf       | VVwvW | PFPT  | N <sub>2</sub> O <sub>2</sub> CO <sub>2</sub> CH <sub>4</sub> | T <sub>g</sub> T <sub>a</sub> 099 | T <sub>1</sub> - T <sub>2</sub> | T <sub>3</sub> - T <sub>4</sub> | T <sub>5</sub> - T <sub>6</sub> | T <sub>7</sub> - T <sub>8</sub> | T <sub>9</sub> - T <sub>10</sub> | T <sub>11</sub> - T <sub>12</sub> | T <sub>13</sub> - T <sub>14</sub> | T <sub>15</sub> - T <sub>16</sub> | 5 - 10 - 20 - 50 |                    |
| Helgoland                      | 4          | 015 | 72609 | 82022 | 24013 | 784--   | 08601                             | 72213      | 80022 | 22912 | 784--   | 09811                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70014            |                    |
| List                           | 26         | 020 | 83010 | 75202 | 22811 | 756--   | 09500                             | 72509      | 81022 | 21511 | 756--   | 08713                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79412            |                    |
| Schleswig                      | 43         | 035 | 83108 | 70518 | 23010 | 755--   | 08304                             | 82104      | 70025 | 22709 | 856--   | 08803                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79413            | 103096 086107      |
| Kiel                           | 7          | 045 | 72704 | 75022 | 23110 | 756--   | 09301                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79214            | 113105 099112      |
| Norderney                      | 13         | 113 | 72105 | 68028 | 24511 | 755--   | 10500                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70512            | 107105 103109      |
| Bremerhaven                    | 7          | 129 | 82511 | 60038 | 24911 | 854--   | 10701                             | 82308      | 62035 | 23910 | 854--   | 10710                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70212            |                    |
| Cuxhaven                       | 4          | 131 | 72405 | 70028 | 23011 | 784--   | 10604                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70113            | 119115 099109      |
| Hamburg-Fuhlsbüttel, Flugh.    | 16         | 147 | 72706 | 75028 | 23911 | 784--   | 08301                             | 72507      | 57102 | 23710 | 752--   | 09802                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70113            | 108106 095104      |
| Lübeck                         | 8          | 156 | 82706 | 75035 | 23211 | 755--   | 08302                             | 62405      | 70025 | 23210 | 65500   | 08400                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79513            | 105100 092112      |
| Emden-Hafen                    | 6          | 203 | 82103 | 56105 | 25311 | 855--   | 09602                             | 02408      | 59021 | 24210 | 00900   | 08811                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79412            | 119110 100112      |
| Bremen, Flugh.                 | 3          | 224 | 72604 | 70026 | 24710 | 754--   | 09501                             | 82405      | 60025 | 23909 | 855--   | 04708                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79311            | 114104 092114      |
| Soltau                         | 77         | 235 | 82703 | 56215 | 24710 | 852--   | 09503                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70110            | 119101 090107      |
| Lüchow                         | 17         | 253 | 82606 | 56205 | 24510 | 853--   | 08500                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79711            | 134117 099107      |
| Lingen                         | 21         | 305 | 72305 | 65022 | 25410 | 755--   | 06504                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70013            | 103098 097114      |
| Münster                        | 63         | 313 | 62401 | 70031 | 26109 | 55631   | 06503                             | 70000      | 70022 | 25709 | 756--   | 06804                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70013            | 113106 098114      |
| Osnabrück                      | 95         | 117 | 82004 | 75022 | 26010 | 756--   | 06506                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79712            | 116109 089112      |
| Gütersloh                      | 72         | 320 | 71602 | 58041 | 26310 | 755--   | 07503                             | 51802      | 56042 | 26107 | 55600   | 06803                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70013            |                    |
| Bad Salzuffen                  | 98         | 325 | 72502 | 65012 | 25510 | 4563-   | 06603                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 102097 095115      |
| Hannover-Langenhagen, Flugh.   | 56         | 338 | 82704 | 62025 | 25410 | 755--   | 07602                             | 82403      | 57102 | 25109 | 857--   | 08704                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79711            | 129110 096110      |
| Braunschweig-Völkenrode        | 81         | 348 | 82506 | 57102 | 25110 | 855--   | 07500                             | 82403      | 5902- | 24909 | 855--   | 07702                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 094089 087107      |
| Berlin-Dohlem                  | 51         | 381 | 82606 | 59026 | 24010 | 863--   | 09501                             | 82706      | 58202 | 24009 | 862--   | 09400                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79311            | 101100 100117      |
| Berlin-Tempelhof, Flugh.       | 50         | 384 | 82707 | 58026 | 24110 | 753--   | 09400                             | 82706      | 58205 | 24110 | 853--   | 09400                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79311            | 107106 102---      |
| Düsseldorf, Flugh.             | 45         | 400 | 82603 | 59031 | 26710 | 756--   | 06702                             | 71503      | 62022 | 26509 | 756--   | 06802                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70013            | 104098 097114      |
| Bocholt                        | 25         | 406 | 42002 | 58011 | 26008 | 40930   | 06603                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70013            | 109102 095114      |
| Essen                          | 154        | 410 | 82703 | 57052 | 26410 | 756--   | 06603                             | 81802      | 59022 | 26209 | 856--   | 06803                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 098096 094122      |
| Kahler Asten                   | 835        | 427 | 73603 | 82022 | 53604 | 784--   | 03400                             | 70802      | 80012 | 53203 | 654-1   | 02801                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70007            | 086071 066078      |
| Bad Lipspringe                 | 151        | 430 | 62601 | 57101 | 26308 | 65600   | 06301                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70012            | 100094 096111      |
| Kassel                         | 231        | 438 | 70000 | 68021 | 25309 | 756--   | 04603                             | 71101      | 66021 | 25607 | 756--   | 05001                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70012            | ---091 090112      |
| Göttingen                      | 176        | 444 | 70000 | 70022 | 25610 | 756--   | 05601                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70012            | 102084 090111      |
| Braunlage                      | 607        | 452 | 72703 | 62012 | 25506 | 784--   | 04805                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70008            | 119085 076094      |
| Aachen                         | 202        | 501 | 70000 | 65022 | 26609 | 785--   | 05501                             | 21501      | 62011 | 26308 | 25500   | 05804                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 103098 092111      |
| Nürburg                        | 627        | 510 | 80101 | 63022 | 26405 | 884--   | 02504                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70006            | 096088 088103      |
| Köln-Bonn, Flugh.              | 91         | 513 | 23503 | 62021 | 26404 | 25530   | 02504                             | 73502      | 60021 | 26505 | 756--   | 04001                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 102096 092114      |
| Koblenz                        | 96         | 515 | 12901 | 64021 | 26009 | 15600   | 04501                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 79712            |                    |
| Marientberg                    | 547        | 526 | 73205 | 72022 | 25306 | 755--   | 04505                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70009            | 109094 095118      |
| Gießen                         | 532        | 532 | 70901 | 68021 | 25309 | 756--   | 03602                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70012            | 117115 105113      |
| Bad Hersfeld                   | 212        | 542 | 22904 | 70011 | 26306 | 35500   | 03505                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | ---117 109116      |
| Wasserkuppe                    | 921        | 544 | 00307 | 65011 | 52602 | 00900   | 51705                             | 30608      | 75030 | 52702 | 15530   | 01301                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70004            | ---060 067086      |
| Trier-Petrisberg               | 265        | 609 | 10407 | 59010 | 25208 | 14600   | 04703                             | 00505      | 62020 | 25805 | 00900   | 03003                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 126113 103113      |
| Deuselbach                     | 479        | 615 | 11102 | 63012 | 25505 | 18401   | 03603                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70010            | 088083 084103      |
| Kl. Feldberg/Ts.               | 805        | 635 | 20405 | 61021 | 53103 | 24301   | 00607                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70006            | ---091 071074      |
| Frankfurt, Flugh.              | 112        | 637 | 00602 | 58010 | 25407 | 00900   | 05708                             | 10402      | 57100 | 25703 | 15500   | 03102                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            |                    |
| Darmstadt                      | 133        | 639 | 00404 | 62011 | 25707 | 00900   | 04603                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 106103 107124      |
| Würzburg                       | 259        | 655 | 00000 | 43101 | 25605 | 00900   | 04603                             | 90000      | 01470 | 25903 | 9----   | 03400                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70007            | 097095 093113      |
| Bad Kissingen                  | 658        | 658 |       |       |       |   |                                   |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70010            | 097096 092109      |
| Coburg                         | 337        | 671 | 00000 | 30101 | 26005 | 00900   | 04500                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70008            | 082080 080105      |
| Bamberg                        | 239        | 675 |       |       |       |   |                                   |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70009            | 090090 091108      |
| Hof                            | 567        | 685 | 03203 | 68021 | 26902 | 00900   | 01101                             | 00000      | 68020 | 27001 | 00900   | 00001                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70008            | 069069 077096      |
| Weiden                         | 438        | 688 | 20101 | 68010 | 25506 | 25600   | 02303                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 086084 087103      |
| Berus                          | 363        | 704 | 10506 | 70021 | 25306 | 10930   | 02707                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70010            | 103092 089116      |
| Tholey                         | 398        | 706 | 00305 | 68010 | 25205 | 00900   | 01603                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70010            | 104096 091118      |
| Saarbrücken-Ensheim, Flugh.    | 322        | 708 | 10605 | 65021 | 24607 | 10941   | 03500                             | 00506      | 60020 | 25405 | 00900   | 03105                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70010            | 098095 098117      |
| Neustadt/Weinstr.              | 163        | 723 |       |       |       |   |                                   |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70012            | 142134 118128      |
| Weinbiet/Weinstr.              | 553        | 724 |       |       |       |   |                                   |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   |                  |                    |
| Karlsruhe                      | 112        | 727 | 10503 | 40101 | 24407 | 00901   | 04711                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 120117 114126      |
| Mannheim                       | 97         | 729 | 00101 | 70011 | 25408 | 00900   | 04500                             | 00101      | 75020 | 25706 | 00900   | 04101                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70011            | 115113 109129      |
| Stuttgart (Stadt)              | 305        | 737 | 23401 | 56101 | 24807 | 26500   | 04501                             | 10000      | 45100 | 25005 | 10430   | 03801                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70008            |                    |
| Stuttgart-Echterdingen, Flugh. | 396        | 738 | 73206 | 59031 | 24905 | 755--   | 03400                             | 20000      | 58011 | 25303 | 25500   | 01400                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70007            |                    |
| Öhringen                       | 276        | 742 | 00904 | 50101 | 25305 | 00900   | 04303                             |            |       |       |   |                                   |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70009            | 111106 103121      |
| Weißenburg/Bay.                | 422        | 761 | 00101 | 50101 | 24805 | 00900   | 03500                             | 01803      | 04460 | 25702 | 00900   | 02203                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   | 70009            | 083084 087112      |
| Nürnberg, Flugh.               | 319        | 763 | 03402 | 59110 | 25306 | 00900   | 04303                             | 00000      | 56110 | 26201 | 00900   | 00001                             |                                 |                                 |                                 |                                 |                                  |                                   |                                   |                                   |                  |                    |

# Europäischer Wetterbericht

Amtsblatt des Deutschen Wetterdienstes

Beilage 2

AEROLOGISCHE WETTERMELDUNGEN

Jahrgang 3

Donnerstag, den 19. Oktober 1978

Nummer 292

## Radiosondenmessungen

| Station        | Schleswig                                    |     |                |                | Hannover |  |     |                | Essen          |       |  |     | Stuttgart      |                |       |  | München |                |                |       | Berlin                                       |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|----------------|--|-----|----------------|----------------|----------|--|-----|----------------|----------------|-------|--|-----|----------------|----------------|-------|--|---------|----------------|----------------|-------|--|-----|----------------|----------------|-------|--|----|----------------|----------------|-------|--|--|--|--|--|
|                | 1900   |     |                |                | 1900     |  |     |                | 1900           |       |  |     | 1900           |                |       |  | 1900    |                |                |       | 1900   |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| YGG            | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff    | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | HHHH   | TT      | T <sub>d</sub> | T <sub>d</sub> | ddfff | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | HHHH   | TT | T <sub>d</sub> | T <sub>d</sub> | ddfff |  |  |  |  |  |
| mb             | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff    | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT      | T <sub>d</sub> | T <sub>d</sub> | ddfff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddfff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT | T <sub>d</sub> | T <sub>d</sub> | ddfff |  |  |  |  |  |
| 10             | 3060   | -57 | 30             | 12             |          | 3058   | -54 | 28             | 12             |       |  |     |                |                |       | 3065   | -56     | 25             | 28             |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 20             | 2426   | -61 | 33             | 10             |          | 2622   | -60 | 29             | 14             |       | 2628   | -60 | 33             | 10             |       | 2627   | -59     | 27             | 13             |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 30             | 2375   | -60 | 33             | 09             |          | 2370   | -61 | 27             | 03             |       | 2375   | -62 | 07             | 06             |       | 2374   | -60     | 34             | 06             |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 50             | 2057   | -62 | 34             | 07             |          | 2052   | -60 | 34             | 10             |       | 2059   | -62 | 34             | 06             |       | 2055   | -60     | 02             | 06             |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 70             | 1847   | -60 | 34             | 09             |          | 1842   | -61 | 34             | 03             |       | 1850   | -60 | 02             | 07             |       | 1845   | -60     | 01             | 04             |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 100            | 1624   | -60 | 35             | 10             |          | 1620   | -59 | 02             | 16             |       | 1627   | -60 | 03             | 10             |       | 1621   | -59     | 02             | 04             |       | 1624   | -58 | 01             | 03             |       |  |    |                |                |       |  |  |  |  |  |
| 150            | 1370   | -58 | 36             | 18             |          | 1366   | -59 | 03             | 25             |       | 1374   | -58 | 02             | 27             |       | 1366   | -58     | 03             | 16             |       | 1367   | -57 | 36             | 16             |       |  |    |                |                |       |  |  |  |  |  |
| 200            | 1187   | -52 | 02             | 08             |          | 1184   | -56 | -66            | 02             | 20    | 1192   | -56 | -60            | 01             | 24    | 1185   | -59     | -71            | 03             | 22    | 1185   | -57 | -63            | 34             | 14    |  |    |                |                |       |  |  |  |  |  |
| 250            | 1044   | -55 | -59            | 35             | 12       | 1042   | -54 | -64            | 01             | 17    | 1050   | -55 | -58            | 36             | 34    | 1044   | -57     | -68            | 02             | 27    | 1043   | -54 | -58            | 33             | 12    |  |    |                |                |       |  |  |  |  |  |
| 300            | 0925   | -46 | -50            | 34             | 24       | 0924   | -47 | -59            | 36             | 29    | 0931   | -45 | -49            | 36             | 30    | 0925   | -47     | -61            | 02             | 24    | 0924   | -47 | -51            | 29             | 47    |  |    |                |                |       |  |  |  |  |  |
| 400            | 0727   | -32 | -36            | 35             | 22       | 0726   | -31 | -42            | 02             | 33    | 0732   | -31 | -38            | 01             | 29    | 0727   | -30     | -49            | 02             | 16    | 0727   | -32 | -37            | 26             | 37    |  |    |                |                |       |  |  |  |  |  |
| 500            | 0565   | -20 | -24            | 36             | 26       | 0564   | -19 | -37            | 02             | 39    | 0570   | -19 | -27            | 03             | 32    | 0564   | -18     | -45            | 01             | 17    | 0565   | -19 | -24            | 25             | 29    |  |    |                |                |       |  |  |  |  |  |
| 700            | 0305   | -2  | -28            | 34             | 24       | 0305   | -5  | -36            | 32             | 16    | 0309   | -3  | -23            | 36             | 16    | 0306   | -6      | -15            | 35             | 05    | 0306   | -4  | -6             | 24             | 17    |  |    |                |                |       |  |  |  |  |  |
| 850            | 0151   | 1   | 1              | 30             | 20       | 0152   | -1  | -3             | 32             | 13    | 0154   | -1  | -3             | 31             | 08    | 0152   | 1       | -11            | 31             | 07    | 0151   | 1   | 1              | 27             | 04    |  |    |                |                |       |  |  |  |  |  |
| 1000           | 0018   | 8   | 6              | 27             | 16       | 0020   | 9   | 5              | 28             | 06    | 0022   | 8   | 4              | 01             | 04    | 0020   |         |                |                |       | 0018   |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| Malkane Punkte |  |     |                |                |          |  |     |                |                |       | 013  | -58 | 30             | 10             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 019  |     | 34             | 10             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 025  |     | 33             | 08             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 028  | -60 |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 031  | -64 |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 034  |     | 18             | 03             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 036  |     | 26             | 02             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 043  |     | 34             | 10             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 046  | -60 |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 052  | -63 |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 058  |     | 34             | 06             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 064  | -60 |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 067  |     | 01             | 06             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 100  | -60 | 03             | 10             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 115  |     | 04             | 17             |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 132  | -61 |                |                |       | 010  | -56     | 25             | 28             |       | 007  | -50 | 28             | 28             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 135  |     | 01             | 26             |       | 020  | -59     | 27             | 13             |       | 009  | -54 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 170  |     | 05             | 22             |       | 026  | -61     |                |                |       | 026  | -62 | 28             | 13             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 185  |     | 01             | 18             |       | 034  | -60     |                |                |       | 046  | -59 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       | 191  | -55 |                |                |       | 043  |         | 02             | 05             |       | 048  | -60 | 34             | 08             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 232   | -59  | -62 | 36             | 34             | 072   | -60  |         |                |                | 100   | -58  | 01  | 03             |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 240   |  | 36  | 36             |                | 078   | -58  |         |                |                | 147   | -57  | 36  | 16             |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 279   | -49  | -52 |                |                | 092   | -60  |         |                |                | 203   | -57  | -63 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 320   |  | 36  | 27             |                | 100   | -59  | 02      | 04             |                | 210   | -58  | -63 | 34             | 13             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 402   | -30  | -37 |                |                | 170   | -57  |         |                |                | 250   | -54  | -58 | 33             | 12             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 413   | -30  | -36 |                |                | 195   | -60  | -73     |                |                | 258   | -54  | -58 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 500   | -19  | -27 | 03             | 32             | 216   | -57  | -68     |                |                | 300   | -47  | -51 | 29             | 47             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 600   |  | 03  | 35             |                | 244   | -58  | -69     | 02             | 26             | 362   |  | 25  | 38             |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 608   | -7   | -22 |                |                | 270   |  | 02      | 29             |                | 514   | -18  | -22 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 664   | -2   | -23 |                |                | 374   | -34  | -52     | 02             | 13             | 568   | -12  | -19 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 684   | -2   | -16 |                |                | 546   | -14  | -46     | 34             | 20             | 600   |  | 24  | 20             |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 720   | -3   | -46 |                |                | 600   |  | 32      | 05             |                | 618   | -8   | -13 |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 750   |  | 36  | 12             |                | 670   | -6   | -29     | 35             | 05             | 643   | -8   | -11 | 24             | 19             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 783   | -1   | -24 |                |                | 720   | -7   | -10     |                |                | 738   | -1   | -3  |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 800   |  | 32  | 08             |                | 800   |  | 32      | 09             |                | 777   | -1   | -1  |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 830   |  | 29  | 06             |                | 850   | 1  | -11     | 31             | 07             | 800   |  | 27  | 11             |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 833   | -3   | -4  |                |                | 883   |  | 30      | 07             |                | 808   | -1   | -1  |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 903   |  | 33  | 08             |                | 900   | 1  | -1      |                |                | 850   | 1  | 1   | 27             | 04             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 987   | 9  | 2   |                |                | 970   | 5  | 3       |                |                | 861   | 2  | 2   | 27             | 07             |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                | 008   | 7  | 5   | 01             | 02             | 986   | 4  | 3       | 28             | 05             | 902   | 3  | 3   |                |                |       |  |    |                |                |       |  |  |  |  |  |
|                |  |     |                |                |          |  |     |                |                |       |  |     |                |                |       |  |         |                |                | 964   | 6  | 5   | 33             | 04             |       |  |    |                |                |       |  |  |  |  |  |
| Tropopause     | 242  | -56 | -60            | 35             | 08       | 221  | -60 | -69            | 01             | 14    | 232  | -59 | -62            | 36             | 34    | 244  | -58     | -69            | 02             | 26    | 210  | -58 | -63            | 34             | 13    |  |    |                |                |       |  |  |  |  |  |
| Max-wind       |  |     |                |                |          |  |     |                |                |       |  |     |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |
| 30/50          | 0318   |     |                |                |          | 0318   |     |                |                |       |  |     |                |                |       |  |         |                |                |       |  |     |                |                |       |  |    |                |                |       |  |  |  |  |  |

# Europäischer Wetterbericht

Amtblatt des Deutschen Wetterdienstes

Beilage 2

AEROLOGISCHE WETTERMELDUNGEN

Jahrgang 3

Dienstag, den 19. Oktober 1978

Nummer 292

## Radiosondenmessungen

| Station         | Schleswig                                    |     |                |                | Hannover |  |     |                | Essen          |      |  |     | Stuttgart      |                |      |  | München |                |                |      | Berlin                                       |     |                |                |      |  |     |                |                |      |    |
|-----------------|--|-----|----------------|----------------|----------|--|-----|----------------|----------------|------|--|-----|----------------|----------------|------|--|---------|----------------|----------------|------|--|-----|----------------|----------------|------|--|-----|----------------|----------------|------|----|
|                 | 1912   |     |                |                | 1912     |  |     |                | 1912           |      |  |     | 1912           |                |      |  | 1912    |                |                |      | 1912   |     |                |                |      |  |     |                |                |      |    |
| YGG             | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff     | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | HHHH   | TT      | T <sub>d</sub> | T <sub>d</sub> | ddff | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | HHHH   | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff |    |
| mb              | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff     | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT      | T <sub>d</sub> | T <sub>d</sub> | ddff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff | P <sub>n</sub> P <sub>n</sub> P <sub>n</sub> | TT  | T <sub>d</sub> | T <sub>d</sub> | ddff |    |
| 10              |  |     |                |                |          | 3079   | -57 | 32             | 15             |      | 3075   | -55 | 29             | 20             |      | 3070   | -56     | 29             | 26             |      | 3072   | -55 | 29             | 42             |      | 3069   | -55 | 29             | 23             |      |    |
| 20              |  |     |                |                |          | 2639   | -56 | 32             | 09             |      | 2636   | -58 | 35             | 06             |      | 2631   | -59     | 30             | 10             |      | 2632   | -58 | 28             | 14             |      | 2630   | -59 | 32             | 12             |      |    |
| 30              |  |     |                |                |          | 2385   | -60 | 32             | 10             |      | 2381   | -60 | 33             | 07             |      | 2378   | -61     | 30             | 05             |      | 2379   | -61 | 28             | 05             |      | 2376   | -58 | 33             | 12             |      |    |
| 50              |  |     |                |                |          | 2065   | -59 | 32             | 10             |      | 2062   | -60 | 32             | 09             |      | 2060   | -59     | 33             | 11             |      | 2060   | -59 | 33             | 07             |      | 2056   | -59 | 30             | 09             |      |    |
| 70              | 1849   | -60 | 31             | 10             |          | 1854   | -59 | 34             | 08             |      | 1852   | -60 | 36             | 14             |      | 1849   | -60     | 33             | 08             |      | 1850   | -58 | 33             | 06             |      | 1847   | -60 | 31             | 08             |      |    |
| 100             | 1626   | -59 | 31             | 10             |          | 1631   | -61 | 34             | 05             |      | 1629   | -61 | 04             | 06             |      | 1626   | -59     | 01             | 02             |      | 1625   | -60 | 33             | 08             |      | 1623   | -60 | -77            | 35             | 07   |    |
| 150             | 1372   | -56 | 27             | 10             |          | 1376   | -56 | 35             | 06             |      | 1376   | -58 | 02             | 09             |      | 1372   | -58     | 05             | 12             |      | 1369   | -58 | 03             | 17             |      | 1369   | -58 | -73            | 03             | 15   |    |
| 200             | 1190   | -58 | 35             | 15             |          | 1193   | -55 | -62            | 34             | 03   | 1192   | -53 | -60            | 35             | 06   | 1190   | -57     | -69            | 08             | 11   | 1189   | -60 | -69            | 04             | 19   | 1187   | -56 | -70            | 02             | 16   |    |
| 250             | 1049   | -55 | 01             | 18             |          | 1051   | -55 | -61            | 35             | 04   | 1049   | -53 | -60            | 06             | 12   | 1048   | -53     | -68            | 17             | 05   | 1048   | -55 | -64            | 04             | 10   | 1045   | -55 | -69            | 01             | 16   |    |
| 300             | 0930   | -46 | 01             | 20             |          | 0932   | -45 | -52            | 36             | 06   | 0929   | -46 | -53            | 05             | 10   | 0929   | -45     | -64            | 25             | 07   | 0929   | -45 | -55            | 02             | 04   | 0926   | -46 | -61            | 01             | 16   |    |
| 400             | 0732   | -30 | -47            | 36             | 16       | 0733   | -31 | -38            | 36             | 07   | 0732   | -32 | -37            | 35             | 06   | 0731   | -30     | -51            | 04             | 03   | 0730   | -30 | -43            | 35             | 08   | 0729   | -31 | -54            | 01             | 18   |    |
| 500             | 0569   | -18 | -36            | 23             | 07       | 0571   | -19 | -27            | 34             | 11   | 0571   | -21 | -25            | 35             | 15   | 0568   | -19     | -43            | 05             | 08   | 0568   | -18 | -33            | 04             | 11   | 0567   | -19 | -59            | 01             | 17   |    |
| 700             | 0309   | -1  | -14            | 33             | 15       | 0312   | -1  | -30            | 36             | 15   | 0312   | -1  | -35            | 02             | 16   | 0308   | -1      | -24            | 05             | 19   | 0308   | -3  | -30            | 04             | 04   | 0307   | -2  | -51            | 36             | 14   |    |
| 850             | 0153   | 1   | -2             | 31             | 17       | 0155   | 1   | 1              | 30             | 14   | 0156   | 1   | -1             | 06             | 11   | 0153   | 1       | -19            | 06             | 11   | 0153   | 1   | -1             | 05             | 03   | 0154   | -1  | -2             | 32             | 14   |    |
| 1000            | 0019   | 11  | 8              | 29             | 08       | 0022   | 9   | 6              | 28             | 12   | 0023   | 9   | 6              | 24             | 02   | 0022   |         |                |                |      | 0020   |     |                |                |      | 0021   | 7   | 5              | 25             | 09   |    |
| Markante Punkte |  |     |                |                |          |  |     |                |                |      | 010  | -55 | 29             | 20             |      |  |         |                |                |      |  |     |                |                |      | 005  | -47 | 23             | 56             |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 012  |     | 29             | 28             |      |  |         |                |                |      |  |     |                |                |      |  | 025 | -62            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 019  | -60 |                |                |      |  |         |                |                |      |  |     |                |                |      |  | 028 | -61            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 022  | -56 | 36             | 05             |      |  |         |                |                |      |  |     |                |                |      |  | 030 | -58            | 33             | 12   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 034  |     | 28             | 09             |      |  |         |                |                |      |  |     |                |                |      |  | 036 | -61            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 041  |     | 35             | 12             |      |  |         |                |                |      |  |     |                |                |      |  | 050 | -59            | 30             | 09   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 049  |     | 32             | 09             |      |  |         |                |                |      |  |     |                |                |      |  | 053 |                | 29             | 09   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 060  |     | 34             | 04             |      |  |         |                |                |      |  |     |                |                |      |  | 057 | -62            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 062  | -62 |                |                |      |  |         |                |                |      |  |     |                |                |      |  | 088 | -59            | -77            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 070  | -60 | 36             | 14             |      |  |         |                |                |      |  |     |                |                |      |  | 098 |                | 34             | 07   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 090  | -59 |                |                |      |  |         |                |                |      |  |     |                |                |      |  | 110 | -61            | -77            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 100  | -61 | 04             | 06             |      |  |         |                |                |      |  | 008 | -52            | 29             | 33   |  | 120 | -59            | -75            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 113  | -59 |                |                |      |  |         |                |                |      |  | 010 | -55            | 29             | 42   |  | 162 |                | 03             | 16   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 121  | -61 |                |                |      |  |         |                |                |      |  | 013 | -58            |                |      |  | 181 | -57            | -71            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 125  |     | 01             | 13             |      |  |         |                |                |      |  | 017 | -55            |                |      |  | 208 | -56            | -70            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 150  | -58 | 02             | 09             |      |  |         |                |                |      |  | 025 | -61            | 28             | 05   |  | 229 | -57            | -71            | 02   | 16 |
|                 |  |     |                |                |          |  |     |                |                |      | 180  |     | 33             | 06             |      |  |         |                |                |      |  | 036 | -61            |                |      |  | 255 | -55            | -69            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 195  | -53 |                |                |      |  |         |                |                |      |  | 060 |                | 33             | 10   |  | 266 |                | 01             | 16   |    |
|                 |  |     |                |                |          |  |     |                |                |      | 232  | -56 | -63            | 03             | 15   |  | 033     | -61            | 30             | 04   |  | 079 | -57            |                |      |  | 332 | -42            | -57            |      |    |
|                 |  |     |                |                |          |  |     |                |                |      | 250  | -53 | -60            | 06             | 12   |  | 072     |                | 33             | 09   |  | 096 | -60            | 33             | 07   |  | 407 | -29            | -56            |      |    |
|                 |  |     |                |                |          |  |     |                |                | 270  |  | 04  | 15             |                |      | 086  | -59     |                |                |      | 126  | -57 | 03             | 05             |      | 438  | -27 | -59            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 360  |  | 06  | 04             |                |      | 107  |         | 02             | 03             |      | 182  | -61 | -70            | 03             | 22   | 464  |     | 01             | 18             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 389  | -33  | -40 |                |                |      | 143  | -60     | 04             | 13             |      | 217  | -59 | -68            | 04             | 16   | 530  | -15 | -60            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 390  |  | 35  | 05             |                |      | 185  | -57     | -69            | 07             | 19   | 272  | -52 | -61            | 04             | 06   | 557  | -14 | -53            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 430  | -30  | -32 |                |                |      | 215  | -57     | -70            | 10             | 04   | 314  | -43 | -53            | 36             | 06   | 600  |     | 01             | 15             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 600  |  | 36  | 17             |                |      | 262  | -52     | -68            |                |      | 418  |     | 35             | 09             |      | 694  | -2  | -51            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 705  | 2  | -43 |                |                |      | 318  | -43     | -63            | 28             | 05   | 500  | -18 | -33            | 04             | 11   | 704  | -2  | -51            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 754  | 4  | -26 |                |                |      | 400  | -30     | -51            | 04             | 03   | 600  |     | 04             | 09             |      | 713  |     | 36             | 14             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 794  | 1  | -3  |                |                |      | 480  |         | 05             | 04             |      | 632  | -5  | -41            |                |      | 719  | -6  | -44            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 800  |  | 04  | 06             |                |      | 572  | -11     | -27            |                |      | 698  | -3  | -34            |                |      | 744  | -5  | -11            |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 817  | 2  | -1  |                |                |      | 600  |         | 05             | 15             |      | 734  | -3  | -5             |                |      | 777  | -4  | -5             |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 835  | -2   | -2  |                |                |      | 660  | -3      | -31            | 05             | 19   | 766  | -1  | -8             |                |      | 800  |     | 34             | 14             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 850  | -1   | -1  | 06             | 11             |      | 712  | -0      | -21            |                |      | 781  | -3  | -4             |                |      | 851  | -1  | -2             |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 880  | 0  | -0  |                |                |      | 744  | -2      | -37            |                |      | 800  |     | 05             | 05             |      | 890  | 3   | -2             |                |      |    |
|                 |  |     |                |                |          |  |     |                |                | 905  |  | 36  | 05             |                |      | 800  |         | 06             | 14             |      | 853  |     | 05             | 03             |      | 893  |     | 31             | 14             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 932  | 5  | 1   |                |                |      | 887  |         | 05             | 09             |      | 889  | 3   | 1              |                |      | 900  |     | 31             | 14             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 980  | 8  | 4   |                |                |      | 920  | 4       | -8             |                |      | 900  |     | 05             | 02             |      | 955  |     | 28             | 15             |      |    |
|                 |  |     |                |                |          |  |     |                |                | 988  | 7  | 5   |                |                |      | 950  | 1       | 1              |                |      | 904  | 1   |                |                |      |  |     |                |                |      |    |