# RADIOSONDE AND RAWINSONDE DATA ADDITIONAL SIGNIFICANT LEVEL DATA RADIOSONDE AND RAWINSONDE DATA

## SIGNIFICANT LEVELS

U.S. GOVERNMENT PRINTING OFFICE 1949 826476

November 1 1951

| Index No. iii | 1st. 5th. etc. Level PPP | TTTTT ddx | 2nd. 6th. etc. Level PPP | TTTTT ddx | 3rd. 7th. etc. Level PPP | TTTTT ddx | 4th. 8th. etc. Level PPP | TTTTT ddx | Hour GG | Code Type |
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| | 217 | 04996 | 208 | 06994 | 183 | 06995 | 168 | 04995 | 03 | 8 |
| 02 | | | | | | | | | | |
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| 077 | 218 | 08997 | 197 | 10992 | 176 | 07995 | | | 03 | 5 |
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| | 175 | 04994 | 144 | 05990 | 132 | 04990 | | | 03 | 8 |
| 836 | 227 | 19990 | 191 | 10992 | 162 | 09992 | 159 | 08990 | 03 | 2 |
| | 149 | 09990 | 126 | 10996 | 107 | 09999 | | | 03 | 2 |
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| 03 | | | | | | | | | | |
| 005 | 105 | 27 0 | 043 | 26 0 | | | | | 02 | 7 |
| 026 | 536 | 97650 | 463 | 80400 | 366 | 64410 | 324 | 50**0 | 02 | 2 |
| | 257 | 31 0 | 225 | 27 0 | 215 | 23**0 | 175 | 17**0 | 02 | 2 |
| | 120 | 23 0 | 076 | 29 0 | | | | | 02 | 2 |
| 171 | 160 | 13 0 | 154 | 23 0 | 105 | 29**0 | 072 | 29**0 | 02 | 2 |
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| | 075 | 31 0 | | | | | | | 02 | 2 |
| 743 | 207 | 21 0 | 196 | 25 0 | 183 | 21**0 | 140 | 36**0 | 02 | 2 |
| | 128 | 30 0 | 121 | 33 0 | 115 | 32**0 | | | 02 | 2 |
| 808 | 121 | 23 0 | | | | | | | 02 | 2 |
| 917 | 266 | 38 0 | 222 | 20 0 | 179 | 07**0 | 163 | 15**0 | 02 | 2 |
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| | 093 | 25 0 | 062 | 23 0 | 058 | 21**0 | | | 02 | 2 |
| 953 | 220 | 22 0 | 182 | 15 0 | 129 | 26**0 | 080 | 29**0 | 03 | 7 |
| 04 | | | | | | | | | | |
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| 360 | 149 | 04994 | | | | | | | 03 | 5 |
| 06 | | | | | | | | | | |
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| 260 | 336 | 02 | 283 | 99 | 056 | 11*** | | | 02 | 8 |
| 447 | 135 | 94 8 | 060 | 10 0 | | | | | 03 | 8 |
| 610 | 435 | 89911 | 382 | 89978 | 358 | 90**4 | 293 | 94**1 | 05 | 8 |
| | 250 | 95 7 | 197 | 00 7 | 181 | 04**1 | 165 | 84**1 | 05 | 8 |
| 07 | | | | | | | | | | |
| 110 | 632 | 56784 | 611 | 59851 | 560 | 64892 | 515 | 67831 | 02 | 5 |
| | 498 | 68842 | 474 | 71866 | 394 | 79933 | 305 | 92**4 | 02 | 5 |
| | 216 | 08 1 | 173 | 15 1 | 130 | 09**4 | 092 | 07**4 | 02 | 5 |
| 145 | 450 | 84925 | 386 | 84954 | 360 | 85951 | 311 | 91**4 | 02 | 5 |
| | 284 | 94 6 | 242 | 01 1 | 168 | 05**4 | 146 | 04**1 | 02 | 5 |
| | 131 | 05 4 | 114 | 05 4 | 104 | 06**7 | 094 | 05**4 | 02 | 5 |
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| | 390 | 90 7 | 363 | 95 4 | 333 | 92**4 | 310 | 94**4 | 02 | 5 |
| | 269 | 97 4 | 190 | 97 4 | 140 | 02**4 | 110 | 02**4 | 02 | 5 |
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| | 245 | 03 4 | 212 | 06 0 | 182 | 08**0 | 151 | 05**4 | 02 | 8 |
| | 129 | 08 0 | 090 | 08 1 | 053 | 07**7 | | | 02 | 8 |
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| 645 | 558 | 68702 | 520 | 71747 | 443 | 76858 | | | 02 | 8 |
| | 372 | 85967 | 310 | 94 1 | 250 | 04**7 | | | 02 | 8 |
| | 168 | 16 7 | 127 | 10 0 | 105 | 09**1 | | | 02 | 8 |
| 08 | | | | | | | | | | |
| 509 | 203 | 12 5 | 187 | 13 4 | | | | | 03 | 5 |
| 536 | 115 | 13992 | | | | | | | 02 | 8 |
| 10 | | | | | | | | | | |
| 034 | 273 | 28 0 | 208 | 36 0 | 190 | 37**0 | | | 02 | 2 |
| 185 | 306 | 97 6 | 256 | 08 1 | 225 | 09**5 | 182 | 0***1 | 02 | 8 |
| | 149 | 05 6 | 132 | 05 1 | 104 | 05**7 | 096 | 05**4 | 02 | 8 |
| | 094 | 05 2 | 072 | 07 8 | | | | | 02 | 8 |
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| 419 | 221 | 42 0 | 189 | 38 0 | | | | | 02 | 2 |
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| 486 | 303 | 98 0 | 255 | 06 2 | 225 | 07**2 | 218 | 07**5 | 02 | 8 |
| | 175 | 05 5 | 155 | 03 3 | 140 | 04**4 | 118 | 04**5 | 02 | 8 |
| | 106 | 06 6 | 099 | 05 7 | 096 | 05**8 | 080 | 06**6 | 02 | 8 |
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| 11 | | | | | | | | | | |
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| | 174 | 53 | 064 | 15 | 166 | 12*** | 134 | 12*** | 03 | 8 |
| | 128 | 10 | 079 | 10 | | | | | 03 | 8 |
| 840 | 191 | 20 0 | 174 | 17 2 | | | | | 03 | 8 |
| 16 | | | | | | | | | | |
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| | 143 | 26 0 | 121 | 25 0 | 045 | 20**0 | | | 02 | 2 |
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| 29 | | | | | | | | | | |
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| | 028 | 01 | | | | | | | 02 | 8 |
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| 40 | | | | | | | | | | |
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| 47 | | | | | | | | | | |
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| 744 | 596 | 59635 | 420 | 75801 | 360 | 80854 | 230 | 02990 | 03 | 1 |
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| 60 | | | | | | | | | | |
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| 398 | 144 | 18 | 133 | 14 | 123 | 17*** | 066 | 09*** | 03 | 1 |
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| | 050 | 13995 | | | | | | | 03 | 1 |
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| Index No. iii | 1st. 5th. etc. Level PPP | TTTTT ddx | 2nd. 6th. etc. Level PPP | TTTTT ddx | 3rd. 7th. etc. Level PPP | TTTTT ddx | 4th. 8th. etc. Level PPP | TTTTT ddx | Hour GG | Code Type |
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| 74 | | | | | | | | | | |
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| | 115 | 24 0 | 105 | 22 0 | | | | | 02 | 2 |
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| 124 | 364 | 74797 | 280 | 88989 | 102 | 24995 | 083 | 22990 | 03 | 1 |
| 134 | 253 | 92998 | | | | | | | 03 | 1 |
| 223 | 242 | 97993 | 163 | 09990 | 151 | 13997 | 133 | 15993 | 03 | 1 |
| | 117 | 16996 | 086 | 14998 | 081 | 14998 | 070 | 09995 | 03 | 1 |
| | 064 | 09997 | 101 | 47 | | | | | 03 | 1 |
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| Nov 2 1951 | | | | | | | | | | |
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| 415 | 212 | 08998 | 192 | 10993 | 172 | 07996 | 120 | 07993 | 03 | 8 |
| 02 | | | | | | | | | | |
| 062 | 340 | 96024 | 256 | 06997 | 245 | 07991 | 228 | 09991 | 03 | 8 |
| | 188 | 07991 | 113 | 05996 | 083 | 08998 | | | 03 | 8 |
| 077 | 205 | 10990 | | | | | | | 03 | 5 |
| 084 | 264 | 06999 | 252 | 06994 | 235 | 07998 | 215 | 11993 | 03 | 8 |
| | 179 | 10993 | 135 | 06990 | 110 | 07993 | | | 03 | 8 |
| 836 | 521 | 79990 | 340 | 04992 | 287 | 09996 | 262 | 07998 | 03 | 2 |
| | 163 | 05991 | 152 | 07995 | 100 | 10996 | | | 03 | 2 |
| 03 | | | | | | | | | | |
| 026 | 249 | 40 0 | 232 | 46 0 | 193 | 42**0 | 182 | 44**0 | 02 | 2 |
| | 140 | 41 0 | 120 | 42 0 | 081 | 38**0 | | | 02 | 2 |
| 171 | 155 | 35 0 | 145 | 30 0 | 124 | 27**0 | 114 | 28**0 | 02 | 2 |
| 322 | 237 | 21 0 | 185 | 30 0 | | | | | 02 | 2 |
| 476 | 318 | 45 0 | 235 | 21 0 | 140 | 28**0 | 122 | 26**0 | 02 | 2 |
| | 097 | 30 0 | | | | | | | 02 | 2 |
| 917 | 258 | 30 0 | 245 | 33 0 | 224 | 33**0 | 188 | 39**0 | 02 | 2 |
| | 175 | 37 0 | | | | | | | 02 | 2 |
| 953 | 230 | 32 0 | 177 | 36 0 | 161 | 36**0 | 151 | 32**0 | 03 | 7 |
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| 360 | 071 | 08993 | | | | | | | 03 | 5 |
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| | 180 | 13 | 150 | 11 | 145 | 09*** | 134 | 12*** | 02 | 8 |
| | 080 | 09 | 067 | 11 | 040 | 10*** | | | 02 | 8 |
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| | 130 | 09 4 | 090 | 08 7 | 082 | 07**1 | | | 03 | 8 |
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| | 468 | 72994 | 421 | 78991 | 391 | 83997 | 343 | 87997 | 02 | 5 |
| | 270 | 92 4 | 221 | 00 4 | 210 | 00**4 | 169 | 06**1 | 02 | 5 |
| | 169 | 06 1 | 100 | 06 1 | | | | | 02 | 5 |
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| | 340 | 88982 | 245 | 03 1 | 175 | 15**0 | 100 | 09**7 | 02 | 8 |
| | 076 | 10 1 | 060 | 07 4 | 051 | 08**1 | | | 02 | 8 |
| 08 | | | | | | | | | | |
| 509 | 231 | 07 0 | 178 | 15 8 | | | | | 03 | 5 |
| 536 | 070 | 11990 | | | | | | | 02 | 8 |
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| | 135 | 31 0 | 120 | 27 0 | | | | | 02 | 2 |
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| | 386 | 90990 | 257 | 07990 | | | | | 03 | 5 |
| 419 | 254 | 30 0 | 216 | 29 | 205 | 22**0 | 158 | 24**0 | 02 | 2 |
| | 122 | 25 0 | | | | | | | 02 | 2 |
| 633 | 238 | 04990 | 194 | 08992 | 178 | 05995 | 163 | 09993 | 03 | 5 |
| | 150 | 05996 | 096 | 05996 | | | | | 03 | 5 |
| 866 | 238 | 01990 | 111 | 08994 | | | | | 03 | 5 |
| 11 | | | | | | | | | | |
| 567 | 290 | 05 | 275 | 07 | | | | | 03 | 8 |

| Index No. iii | 1st. 5th. etc. Level PPP | TTTTT ddx | 2nd. 6th. etc. Level PPP | TTTTT ddx | 3rd. 7th. etc. Level PPP | TTTTT ddx | 4th. 8th. etc. Level PPP | TTTTT ddx | Hour GG | Code Type |
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| 802 | 177 | 07 | 1 9 | 07 | | | | | 02 | 8 |
| 22 | | | | | | | | | | |
| 887 | 211 | 16 | | | | | | | 02 | 8 |
| 24 | | | | | | | | | | |
| 000 | 579 | 63874 | 488 | 73946 | 433 | 79**7 | | | 02 | 8 |
| 073 | 645 | 59757 | 543 | 69833 | 518 | 68884 | 420 | 80**3 | 02 | 8 |
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| 079 | 458 | 81 | 419 | 85 | 271 | 16*** | | | 02 | 8 |
| 204 | 531 | 79 | 461 | 86 | 398 | 92*** | 034 | 97*** | 02 | 8 |
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| 263 | 306 | 96 | 226 | 13 | 138 | 13*** | 086 | 13*** | 02 | 8 |
| 270 | 196 | 56 | | | | | | | 02 | 8 |
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| | 080 | 92997 | 101 | 58 | | | | | 03 | 2 |
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| | 190 | 08990 | 180 | 06996 | 140 | 05992 | 124 | 03999 | 03 | 1 |
| | 095 | 03996 | 075 | 02992 | 057 | 98996 | 041 | 02990 | 03 | 1 |
| | 032 | 98995 | 028 | 98995 | 101 | 47*** | | | 03 | 1 |
| 412 | 117 | 04990 | 088 | 04995 | 082 | 03990 | 042 | 98993 | 03 | 1 |
| | 032 | 98990 | 101 | 47 | | | | | 03 | 1 |
| 582 | 340 | 83998 | 318 | 88902 | 265 | 96997 | 244 | 00990 | 03 | 1 |
| | 214 | 07998 | 164 | 03901 | 145 | 02995 | 134 | 05996 | 03 | 1 |
| | 121 | 05997 | 105 | 08998 | 090 | 02995 | 050 | 00995 | 03 | 1 |
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| | 486 | 66691 | 449 | 68718 | 308 | 88990 | 275 | 94990 | 03 | 1 |
| | 265 | 96997 | 252 | 98995 | 225 | 06990 | 198 | 10999 | 03 | 1 |
| | 190 | 11993 | 175 | 08999 | 160 | 08993 | 148 | 06992 | 03 | 1 |
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| | 257 | 98990 | 226 | 06997 | 215 | 08990 | 124 | 08990 | 03 | 1 |
| 646 | 340 | 79999 | 238 | 00996 | 207 | 07998 | 133 | 07997 | 03 | 1 |
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| 744 | 545 | 63703 | 359 | 82995 | 343 | 85995 | 267 | 94995 | 03 | 1 |
| | 233 | 95990 | 206 | 98990 | 123 | 03997 | 105 | 03997 | 03 | 1 |
| | 059 | 00999 | 030 | 93990 | 101 | 47*** | | | 03 | 1 |
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| | 415 | 77990 | 364 | 89995 | 328 | 90990 | 230 | 05997 | 15 | 6 |
| | 150 | 13994 | 107 | 12995 | | | | | 15 | 6 |
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| | 311 | 90 0 | | | | | | | 02 | 8 |
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| | 256 | 19 1 | 227 | 06 4 | 212 | 07**7 | | | 02 | 8 |
| 715 | 569 | 61740 | 538 | 61741 | 458 | 69774 | 424 | 71782 | 02 | 5 |
| | 290 | 88038 | 171 | 12 0 | 152 | 14**0 | 094 | 08**4 | 02 | 5 |
| | 035 | 03 4 | | | | | | | 02 | 5 |
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| 011 | 161 | 17998 | | | | | | | 03 | 5 |
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| 219 | 101 | 68 | 098 | 40 | | | | | 03 | 1 |
| 231 | 130 | 98 | 124 | 01 | | | | | 04 | 1 |
| 261 | 509 | 70744 | 340 | 89954 | 226 | 07*** | 177 | 10*** | 03 | 1 |
| | 122 | 01 | 070 | 08 | 055 | 05*** | | | 03 | 1 |
| 263 | 172 | 11990 | 137 | 02995 | 128 | 04990 | 101 | 58*** | 03 | 1 |
| 273 | 101 | 68 | 093 | 89 | | | | | 04 | 1 |
| 291 | 106 | 09995 | 087 | 03993 | | | | | 03 | 1 |
| 308 | 083 | 97 | | | | | | | 03 | 1 |
| 316 | 225 | 99 | 217 | 97 | 118 | 96*** | 096 | 99*** | 03 | 1 |
| | 083 | 98 | 101 | 58 | | | | | 03 | 1 |
| 350 | 265 | 99 | 135 | 98 | | | | | 03 | 1 |
| 361 | 236 | 06994 | 101 | 68 | 001 | 94*** | | | 03 | 1 |
| 398 | 095 | 10 | 061 | 10 | | | | | 03 | 1 |
| 454 | 184 | 95 | 128 | 98 | 120 | 96*** | | | 03 | 1 |
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| 208 | 104 | 22 | | | | | | | 03 | 1 |
| 211 | 050 | 12993 | | | | | | | 03 | 1 |
| 219 | 555 | 56754 | 515 | 59993 | 400 | 72990 | 363 | 77903 | 03 | 1 |
| | 272 | 89947 | 150 | 17996 | 102 | 21*** | 080 | 17*** | 03 | 1 |
| 240 | 400 | 70995 | 374 | 73889 | 278 | 89977 | 150 | 16998 | 03 | 1 |
| | 128 | 23993 | 120 | 21997 | 106 | 25990 | 084 | 16998 | 03 | 1 |
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| 250 | 631 | 04661 | 338 | 78867 | 272 | 90002 | 150 | 21993 | 03 | 1 |
| | 118 | 26 | | | | | | | 03 | 1 |
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| | 150 | 17996 | 132 | 24 | 082 | 17*** | 068 | 16*** | 03 | 1 |
| 259 | 678 | 52646 | 626 | 55697 | 552 | 61654 | 527 | 61681 | 03 | 1 |
| | 468 | 56816 | 183 | 12990 | 101 | 58*** | | | 03 | 1 |
| 265 | 120 | 17993 | 113 | 14990 | 085 | 18991 | | | 03 | 1 |
| 270 | 150 | 16991 | 133 | 18 | | | | | 03 | 1 |
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| | 356 | 81947 | 245 | 03 | 168 | 07*** | 150 | 13994 | 03 | 1 |
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| 386 | 625 | 50995 | 619 | 01994 | 180 | 08995 | 105 | 24990 | 03 | 1 |
| | 096 | 20997 | | | | | | | 03 | 1 |
| 394 | 400 | 71994 | 150 | 13991 | 106 | 24990 | 050 | 14990 | 03 | 1 |
| 405 | 260 | 94994 | 178 | 13997 | 147 | 12991 | | | 03 | 1 |
| 476 | 136 | 05999 | 070 | 10991 | | | | | 03 | 1 |
| 486 | 366 | 80941 | 183 | 11 | 176 | 13*** | 156 | 11*** | 03 | 1 |
| | 150 | 12992 | 142 | 14 | | | | | 03 | 1 |
| 493 | 150 | 14998 | 097 | 22990 | 050 | 13990 | | | 03 | 1 |
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| | 462 | 71755 | 400 | 78827 | 355 | 83975 | 227 | 07*** | 03 | 1 |
| | 171 | 11 | 114 | 10 | 098 | 14*** | 076 | 10*** | 03 | 1 |
| | 056 | 11 | | | | | | | 03 | 1 |
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| | 215 | 06994 | 166 | 04997 | 150 | 05998 | 127 | 07995 | 03 | 1 |
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| 536 | 555 | 68715 | 400 | 81849 | 344 | 90930 | 237 | 06998 | 03 | 1 |
| | 224 | 04997 | 150 | 06990 | 111 | 10995 | 077 | 10996 | 03 | 1 |
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| 597 | 446 | 68723 | 305 | 87001 | 287 | 89996 | 172 | 16999 | 03 | 1 |
| | 164 | 15991 | 114 | 15997 | 094 | 21992 | 050 | 12996 | 03 | 1 |
| 606 | 674 | 00686 | 400 | 75990 | 336 | 84951 | 290 | 88986 | 03 | 1 |
| | 175 | 17993 | 160 | 10990 | | | | | 03 | 1 |
| 655 | 150 | 00995 | | | | | | | 03 | 1 |
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| | 050 | 09992 | | | | | | | 03 | 1 |
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| | 125 | 15995 | 068 | 12995 | | | | | 03 | 1 |
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| | 120 | 11 | | | | | | | 03 | 1 |
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| 747 | 323 | 04 | 227 | 97 | 150 | 00998 | 068 | 07*** | 03 | 1 |
| | 050 | 05997 | | | | | | | 03 | 1 |
| 764 | 316 | 07991 | 175 | 04994 | 080 | 02994 | | | 03 | 1 |
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| | 143 | 19 | 118 | 15 | 067 | 14*** | | | 03 | 1 |
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| | 266 | 99 | 254 | 99 | 216 | 99*** | 174 | | 03 | 1 |
| | 165 | 01 | 143 | 01 | 130 | 03*** | 118 | 09*** | 03 | 1 |
| | 101 | 67 | 025 | 20 | | | | | 03 | 1 |
| 836 | 468 | 95 | 337 | 95 | 254 | 51*** | 101 | 58*** | 03 | 1 |
| 867 | 462 | 90965 | 256 | 03 | 101 | 55*** | | | 03 | 1 |
| 879 | 476 | 74761 | 321 | 91 | | | | | 03 | 1 |
| 896 | 164 | 22 | 101 | 47 | | | | | 03 | 1 |
| 907 | 186 | 03 | 101 | 58 | | | | | 03 | 1 |
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| | 232 | 05995 | | | | | | | 03 | 1 |
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| 109 | 165 | 10 | | | | | | | 03 | 1 |
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| | 101 | 68 | 037 | 31 | 101 | 58*** | | | 03 | 1 |
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| 355 | 156 | 15 | | | | | | | 03 | 1 |
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| 526 | 123 | 22 | 088 | 28 | 082 | 26*** | 072 | 08*** | 03 | 1 |
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| Index No. iii | 1st. 5th. etc. Level PPP | TTTTT ddx | 2nd. 6th. etc. Level PPP | TTTTT ddx | 3rd. 7th. etc. Level PPP | TTTTT ddx | 4th. 8th. etc. Level PPP | TTTTT ddx | Hour GG | Code Type |
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| | 055 | 10997 | 038 | 02990 | 035 | 01993 | 031 | 01998 | 03 | 1 |
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| | 451 | 59666 | 378 | 69731 | 360 | 71801 | 344 | 73834 | 03 | 1 |
| | 336 | 74808 | 305 | 78889 | 270 | 86*** | 130 | 24*** | 03 | 1 |
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| 275 | 086 | 35 | 101 | 58 | | | | | 03 | 1 |
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| | 115 | 11 1 | 100 | 11 1 | | | | | 02 | 5 |
| 044 | 305 | 88501 | 154 | 21 | 140 | 18*** | 130 | 20*** | 03 | 1 |
| | 060 | 14 | | | | | | | 03 | 1 |
| 052 | 120 | 36 0 | 096 | 35 0 | 086 | 38**0 | 067 | 36**0 | 08 | 2 |
| 053 | 173 | 10999 | 136 | 08998 | 050 | 08990 | | | 03 | 1 |
| 055 | 101 | 68 | 061 | 40 | 040 | 34*** | | | 03 | 1 |
| 063 | 086 | 04 | 082 | 06 | | | | | 03 | 1 |
| 124 | 275 | 88916 | 125 | 21992 | 076 | 26991 | 060 | 19992 | 03 | 1 |
| 134 | 121 | 20 | | | | | | | 03 | 1 |
| 223 | 338 | 78929 | 254 | 93990 | 168 | 07990 | 148 | 13994 | 03 | 1 |
| | 118 | 16990 | 107 | 12995 | 092 | 16994 | 083 | 12995 | 03 | 1 |
| | 042 | 01992 | 101 | 47 | | | | | 03 | 1 |
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| 360 | 348 | 95 | 253 | 12 | 213 | 11*** | 158 | 07*** | 03 | 5 |
| Nov 3 1951 | | | | | | | | | | |
| 01 | | | | | | | | | | |
| 001 | 540 | 73811 | 409 | 86883 | 400 | 86883 | 324 | 97999 | 03 | 8 |
| | 245 | 07995 | 193 | 13999 | 108 | 07995 | | | 03 | 8 |
| 384 | 400 | 86956 | 278 | 05 | 204 | 16*** | 187 | 12*** | 03 | 8 |
| | 170 | 14 | 134 | 09 | | | | | 03 | 8 |
| 415 | 264 | 11991 | 248 | 10991 | 210 | 1499* | 178 | 09990 | 03 | 8 |
| | 125 | 06998 | | | | | | | 03 | 8 |
| 02 | | | | | | | | | | |
| 062 | 580 | 72788 | 402 | 87931 | 382 | 87947 | 341 | 94998 | 03 | 8 |
| | 290 | 01995 | 212 | 04998 | 180 | 08998 | | | 03 | 8 |
| 077 | 692 | 57673 | 631 | 62748 | 533 | 69816 | 346 | 92029 | 03 | 5 |
| | 215 | 12994 | 210 | 11999 | 190 | 10999 | | | 03 | 5 |
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| | 215 | 10990 | 200 | 09991 | 178 | 11993 | | | 03 | 8 |
| 836 | 316 | 05992 | 292 | 02990 | 260 | 01990 | 240 | 03990 | 03 | 2 |
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| 974 | 401 | 88990 | 263 | 09993 | 226 | 12992 | 099 | 07995 | 03 | 2 |
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| 005 | 190 | 30 0 | 156 | 32 0 | 140 | 34**0 | 075 | 32**0 | 02 | 2 |
| | 075 | 32 0 | 058 | 29 0 | | | | | 02 | 2 |
| 026 | 207 | 46 0 | 097 | 33 0 | | | | | 02 | 2 |
| 171 | 236 | 44 0 | 210 | 42 0 | 180 | 43**0 | 135 | 38**0 | 02 | 2 |
| | 129 | 40 0 | 074 | 32 0 | | | | | 02 | 2 |
| 322 | 187 | 48 0 | 161 | 47 0 | 095 | 37**0 | | | 02 | 2 |
| 743 | 173 | 42 0 | 093 | 39 0 | | | | | 02 | 2 |
| 917 | 052 | 33 0 | | | | | | | 02 | 2 |
| 04 | | | | | | | | | | |
| 202 | 453 | 87984 | 328 | 04998 | 322 | 00908 | 058 | 13981 | 03 | 1 |
| 06 | | | | | | | | | | |
| 180 | 036 | 08 7 | | | | | | | 03 | 5 |
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| | 209 | 08 | 157 | 04 | 142 | 07*** | 135 | 04*** | 02 | 8 |
| | 111 | 04 | 055 | 04 | | | | | 02 | 8 |
| 447 | 088 | 04 0 | | | | | | | 03 | 8 |
| 610 | 558 | 68721 | 503 | 71866 | 317 | 97**4 | 251 | 05**5 | 05 | 8 |
| | 231 | 06 7 | 197 | 07 4 | | | | | 05 | 8 |
| 07 | | | | | | | | | | |
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| | 235 | 99 1 | | | | | | | 02 | 5 |
| 145 | 492 | 80857 | 437 | 84898 | 385 | 91**4 | 360 | 92**4 | 02 | 5 |
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| | 187 | 09 7 | 172 | 05 0 | 142 | 03**4 | 111 | 04**4 | 02 | 8 |
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| | 640 | 59643 | 592 | 63684 | 532 | 69737 | 513 | 71757 | 02 | 5 |
| | 480 | 75801 | 407 | 83887 | 391 | 85904 | 379 | 87901 | 02 | 5 |
| | 379 | 87901 | 333 | 96 0 | 287 | 04**1 | | | 02 | 5 |
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| | 275 | 03 1 | 210 | 13 4 | 197 | 14**4 | 150 | 09**0 | 02 | 8 |
| | 115 | 10 1 | 085 | 07 4 | 063 | 07**4 | 044 | 06**0 | 02 | 8 |
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| | 170 | 08 | 160 | 07 | 155 | 08*** | 140 | 07*** | 03 | 8 |
| 16 | | | | | | | | | | |
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| | 400 | 80994 | 620 | 90990 | 330 | 92998 | 244 | 15994 | 02 | 8 |
| | 238 | 12995 | 234 | 16990 | | | | | 02 | 8 |
| 17 | | | | | | | | | | |
| 062 | 191 | 12997 | | | | | | | 03 | 8 |
| 130 | 517 | 68768 | 441 | 76822 | 295 | 00990 | | | 03 | 8 |
| 22 | | | | | | | | | | |
| 887 | 215 | 11 | | | | | | | 02 | 8 |
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| | 4 4 | 82890 | | | | | | | 02 | 8 |
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| 27 | | | | | | | | | | |
| 213 | 265 | 08 | 224 | 08 | 190 | 45*** | 150 | 05*** | 02 | 8 |
| 29 | | | | | | | | | | |
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| 909 | 350 | 75 | | | | | | | 14 | 8 |
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| | 220 | 04995 | 158 | 03990 | 132 | 04995 | 117 | 05990 | 03 | 1 |
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| | 312 | 89994 | 266 | 95997 | 245 | 94995 | 217 | 93998 | 03 | 1 |
| | 171 | 97998 | 162 | 98999 | 152 | 00990 | 113 | 02992 | 03 | 1 |
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| | 184 | 96999 | 219 | 06992 | 107 | 06990 | 087 | 07998 | 03 | 1 |
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| | 179 | 97998 | 140 | 02992 | 123 | 16992 | 063 | 06993 | 03 | 1 |
| | 049 | 03998 | 101 | 47 | | | | | 03 | 1 |
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| | 224 | 97996 | 117 | 04998 | 069 | 01993 | 058 | 01993 | 03 | 1 |
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| | 287 | 86992 | 249 | 92994 | 214 | 94992 | 184 | 00990 | 03 | 1 |
| | 155 | 02997 | 145 | 03995 | 104 | 11990 | 090 | 07996 | 03 | 1 |
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| | 027 | 93999 | 101 | 47 | | | | | 03 | 1 |
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| | 250 | 06991 | 227 | 09994 | 208 | 09995 | | | 15 | 6 |
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| | 150 | 15 4 | 106 | 11 4 | | | | | 02 | 8 |
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