

SUDDEN IONOSPHERIC DISTURBANCES

AUGUST 2005

| Day | Start (UT) | Max (UT) | End (UT) | Imp | Wide Spread Index | Number of Station Reports by Type |     |     |        |     | Flare (UT) | X-ray Class | NOAA Region |
|-----|------------|----------|----------|-----|-------------------|-----------------------------------|-----|-----|--------|-----|------------|-------------|-------------|
|     |            |          |          |     |                   | SWF                               | SEA | SPA | LF-SPA | SES |            |             |             |
| 01  | 1218       | 1220     | 1232     | 2+  | 5                 | 1                                 |     | 1   |        | 5   | 1214       | C5.8        | 10794       |
| 01  | 1329       | 1333     | 1333D    | 2+  | 5                 | 1                                 |     | 1   |        | 4   | 1300       | M1.0        | 10792       |
| 01  | 1344       | 1350     | 1425     | 2   | 1                 | 1                                 |     | 1   |        |     | 1300       | M1.0        | 10792       |
| 01  | 2159       | 2201     | 2238     | 2   | 1                 |                                   |     |     |        | 1   | *          |             |             |
| 02  | 0738       | 0746     | 0749     | 2+  | 5                 | 1                                 |     | 1   |        | 3   | 0733       | C2.9        | 10794       |
| 02  | 1218       | 1219     | 1330     | 2+  | 1                 |                                   |     |     |        | 1   | 1209       | B5.9        | 10792       |
| 02  | 1242       | 1259     | 1318     | 3   | 5                 | 1                                 |     | 1   |        | 9   | 1238       | C8.7        |             |
| 02  | 1825       | 1831     | 1914     | 2   | 5                 |                                   |     |     |        | 8   | 1822       | M4.2        | 10794       |
| 02  | 2014       | 2017     | 2044     | 1+  | 3                 |                                   |     |     |        | 5   | 2011       | C6.7        | 10792       |
| 02  | 2052E      | 2056     | 2117     | 1   | 1                 |                                   |     |     |        | 1   | 2049       | B8.2        | 10792       |
| 03  | 0458       | 0508     | 0535     | 2-  | 5                 |                                   |     | 1   |        | 5   | 0454       | M3.4        | 10794       |
| 03  | 0718       | 0730     | 0752     | 2   | 1                 |                                   |     | 1   |        |     | *          |             |             |
| 03  | 1353       | 1408     | 1427     | 3   | 5                 | 1                                 |     |     | 1      | 10  | 1348       | C9.3        | 10794       |
| 03  | 2101       | 2108     | 2127     | 1   | 3                 |                                   |     |     |        | 2   | 2054       | C2.1        | 10792       |
| 04  | 0543       | 0602     | 0644     | 2   | 5                 |                                   |     | 1   |        | 4   | 0525       | C8.4        | 10794       |
| 04  | 1243       | 1249     | 1259     | 1-  | 1                 |                                   |     |     |        | 1   | 1238       | B9.8        | 10794       |
| 04  | 1556       | 1619     | 1656     | 1   | 1                 |                                   |     | 1   |        |     | 1527       | B4.0        | 10792       |
| 05  | 1204       | 1232     | 1324     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 05  | 1958       | 2000     | 2017     | 1   | 1                 |                                   |     |     |        | 1   | 1954       | B9.5        | 10794       |
| 05  | 2039       | 2044     | 2114     | 2   | 1                 |                                   |     |     |        | 1   | 2022       | C1.1        | 10794       |
| 06  | 0644       | 0710     | 0744     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 07  | 0826       | 0837     | 0900     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 07  | 1144       | 1256     | 1439     | 2   | 1                 |                                   |     | 1   |        |     | 1143       | C1.4        | 10792       |
| 07  | 1612       | 1642U    | 1754     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 08  | 1412       | 1424U    | 1454     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 16  | 1250       | 1336U    | 1408     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 16  | 1459       | 1524U    | 1555     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 17  | 0627       | 0638     | 0712     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 17  | 1501       | 1514     | 1534     | 1   | 1                 |                                   |     | 1   |        |     | *          |             |             |
| 20  | 1343       | 1346     | 1346D    | 2+  | 5                 | 1                                 |     |     | 1      |     | *          |             |             |
| 21  | 1018       | 1025     | 1036     | 2   | 5                 |                                   |     |     | 1      | 3   | 1006       | C2.8        | 10798       |
| 22  | 0056       | 0114     | 0201     | 2+  | 1                 |                                   |     |     |        | 1   | 0044       | M2.6        | 10798       |
| 22  | 1654       | 1658     | 1714     | 2   | 5                 |                                   |     | 1   | 1      | 4   | 1646       | M5.6        | 10798       |
| 23  | 1056       | 1106     | 1125     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 23  | 1144E      | 1155U    | 1238     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 23  | 1424       | 1427     | 1427D    | 3-  | 5                 | 1                                 |     | 1   | 1      | 11  | 1419       | M2.7        | 10798       |
| 23  | 2200       | 2206     | 2221     | 1   | 3                 |                                   |     |     |        | 2   | 2158       | C3.4        |             |
| 24  | 0623       | 0635     | 0656     | 1   | 5                 |                                   |     | 1   |        | 3   | 0613       | C4.7        | 10798       |
| 24  | 0659       | 0706     | 0739     | 2-  | 5                 |                                   |     |     |        | 4   | 0613       | C4.7        | 10798       |
| 24  | 1332       | 1406     | 1436     | 2   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 24  | 2020       | 2021     | 2027     | 1-  | 1                 |                                   |     |     |        | 1   | 2013       | B5.4        |             |
| 25  | 0434       | 0442     | 0536     | 2   | 3                 |                                   |     |     |        | 4   | 0431       | M6.4        | 10803       |
| 25  | 0437       | 0512     | 0533     | 2-  | 5                 |                                   |     | 1   |        |     | 0431       | M6.4        | 10803       |
| 25  | 0624       | 0640     | 0743     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 26  | 1140       | 1152     | 1226     | 2+  | 1                 |                                   |     |     |        | 1   | 1139       | C2.1        | 10803       |
| 27  | 1450       | 1450     | 1534     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 27  | 1539       | 1551     | 1630     | 1   | 1                 |                                   |     | 1   |        |     | No flare   |             |             |
| 28  | 1021       | 1032     | 1124     | 3   | 5                 | 1                                 |     |     | 1      | 4   | 1017       | M1.6        | 10803       |

\* = no flare patrol.

SUDDEN IONOSPHERIC DISTURBANCES  
AUGUST 2005

87  
Aug 05

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Day      Start   Max    End      Wide   Number of Station Reports by Type
(UT)    (UT)    (UT)    Imp     Spread
                               SWF  SEA  SPA  SPA  SES  Flare   X-ray   NOAA
                               (UT) Class  Region
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29       2153   2155   2300    2+     1
                               1     2148   C6.5   10806
31       1128   1152   1244    2+     1
                               1     1026   C2.0   10803
31       1558   1619   1708    2+     3
                               2     No flare
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\* = no flare patrol.

OBSERVATORIES REPORTING FOR AUGUST 2005

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Alberta, Canada          SES          Nerja, Spain          SES
Athens, Greece          SES          Palo Alto, California, USA  SES
Bedford, Massachusetts, USA  SES          Panska Ves, Czech Republic  SES, SEA, SWF
Brookline, Massachusetts, USA  SES          Perth, Australia      SES
Edenvale, Rep of S. Africa  SES          Sussex, United Kingdom  SES
Edmonton, Canada        SES          Torrington, Connecticut, USA  SES
High Bridge, New Jersey, USA  SES          Tucson, Arizona, USA    SES
Houston, Texas, USA      SES          Udine City, Italy       SES
Isola del Gran Sasso, Italy  SES          Upice, Czech Republic  SEA
Marlborough, Massachusetts, USA  SES          Villiersdorp, South Africa  SES
Milan, Italy             SES
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Observations are not necessarily continuous.