Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 4 February 2009 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit registration data on space launches by the United States for the period from April to October 2008 (see annexes I-VII).
## Annex I

### Registration data on space launches by the United States of America for April 2008*

The following report supplements the registration data on United States launches as at 30 April 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-016A</td>
<td>ICO G-1</td>
<td>14 April 2008</td>
<td>–</td>
<td>631.5</td>
<td>22.7</td>
<td>35 820</td>
<td>190</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-017A</td>
<td>C/NOFS</td>
<td>16 April 2008</td>
<td>–</td>
<td>97.3</td>
<td>13.0</td>
<td>847</td>
<td>401</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-017B</td>
<td>Pegasus R/B</td>
<td>16 April 2008</td>
<td>–</td>
<td>97.3</td>
<td>13.0</td>
<td>847</td>
<td>412</td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 30 April 2008:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 30 April 2008:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 30 April 2008:

2007-047C, 2007-062C

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

In the annex to the note verbale dated 1 July 2002 from the Permanent Mission of the United States to the United Nations (Vienna) addressed to the Secretary-General (ST/SG/SER.E/412), delete the following entry in the table for December 2001:

<table>
<thead>
<tr>
<th>International designation</th>
<th>Date of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-055A</td>
<td>7 December 2001</td>
<td>112.1</td>
<td>66.1</td>
<td>1 339</td>
<td>1 325</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
</tbody>
</table>

* The registration data are reproduced in the form in which they were received.
Annex II

Registration data on space launches by the United States of America for May 2008*

The following report supplements the registration data on United States launches as at 31 May 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-024A Galaxy 18</td>
<td>21 May 2008</td>
<td>Odyssey floating platform</td>
<td>1436.0</td>
<td>0.05 35 798</td>
<td>35 774</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008-027A STS-124</td>
<td>31 May 2008</td>
<td>–</td>
<td>90.0</td>
<td>51.6 315</td>
<td>232</td>
<td>Reusable space transportation systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The following objects were launched since the last report and remain in orbit:

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 May 2008:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 May 2008:

None.

The following object identified in a previous report was no longer in orbit as at 2400Z 31 May 2008:

2006-055J

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

* The registration data are reproduced in the form in which they were received.
### Annex III

**Registration data on space launches by the United States of America for June 2008**

The following report supplements the registration data on United States launches as at 30 June 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-029A GLAST</td>
<td>11 June 2008</td>
<td>–</td>
<td></td>
<td>92.4</td>
<td>28.5</td>
<td>602</td>
<td>187</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-032B Delta 2 R/B</td>
<td>20 June 2008</td>
<td>–</td>
<td></td>
<td>145.7</td>
<td>65.9</td>
<td>4 275</td>
<td>1 349</td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
<tr>
<td>2008-031A Orbcomm FM 38</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.04</td>
<td>48.45</td>
<td>670</td>
<td>660</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
<tr>
<td>2008-031B Orbcomm FM 41</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.04</td>
<td>48.45</td>
<td>669</td>
<td>661</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
<tr>
<td>2008-031C Orbcomm FM 29</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.07</td>
<td>48.45</td>
<td>671</td>
<td>661</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
<tr>
<td>2008-031D Orbcomm FM 39</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.08</td>
<td>48.45</td>
<td>673</td>
<td>660</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
<tr>
<td>2008-031E Orbcomm FM 37</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.06</td>
<td>48.45</td>
<td>671</td>
<td>661</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
<tr>
<td>2008-031F Oorbcomm FM 40</td>
<td>19 June 2008</td>
<td>Kapustin Yar, Russian Federation</td>
<td>98.08</td>
<td>48.45</td>
<td>673</td>
<td>661</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
<td></td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report:

None.

* The registration data are reproduced in the form in which they were received.
### Basic orbital characteristics

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-029B</td>
<td>Delta 2 R/B</td>
<td>11 June 2008</td>
<td>–</td>
<td>92.1</td>
<td>25.5</td>
<td>566</td>
<td>202</td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 30 June 2008:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 30 June 2008:

The following object identified in a previous report was no longer in orbit as at 2400Z 30 June 2008:

2008-027A

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.
Annex IV

Registration data on space launches by the United States of America for July 2008*

The following report supplements the registration data on United States launches as at 31 July 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-035A</td>
<td>EchoStar 11</td>
<td>16 July 2008</td>
<td>Odyssey floating platform</td>
<td>638.8</td>
<td>0.1</td>
<td>35 717</td>
<td>748</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 July 2008:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 July 2008:

None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 31 July 2008:

None.

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

* The registration data are reproduced in the form in which they were received.
Annex V

Registration data on space launches by the United States of America for August 2008*

The following report supplements the registration data on United States launches as at 31 August 2008. All launches were made from the territory of the United States unless otherwise specified.

The following objects were launched since the last report and remain in orbit:
None.

The following objects not previously reported have been identified since the last report:
None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 August 2008:
None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 August 2008:
None.

The following objects identified in a previous report were no longer in orbit as at 2400Z 31 August 2008:
None.

The following objects were launched since the last report but did not achieve orbit:
None.

Revisions that should be made to previously reported data:
None.

* The registration data are reproduced in the form in which they were received.
Annex VI

Registration data on space launches by the United States of America for September 2008*

The following report supplements the registration data on United States launches as at 30 September 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-042A</td>
<td>GeoEye-1</td>
<td>6 September</td>
<td>–</td>
<td>98.3</td>
<td>98.1</td>
<td>705</td>
<td>686</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-042B</td>
<td>Delta 2 R/B</td>
<td>6 September</td>
<td>–</td>
<td>93.2</td>
<td>97.8</td>
<td>698</td>
<td>197</td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
<tr>
<td>2008-045A</td>
<td>Galaxy 19</td>
<td>24 September</td>
<td>Odyssey floating platform</td>
<td>679.1</td>
<td>0.0</td>
<td>35 648</td>
<td>2 783</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-048A</td>
<td>Demosat/ Falcon-1</td>
<td>28 September</td>
<td>–</td>
<td>97.5</td>
<td>9.3</td>
<td>637</td>
<td>631</td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report:
None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 30 September 2008:
None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 30 September 2008:
None.

The following object identified in a previous report was no longer in orbit as at 2400Z 30 September 2008:
2008-012C

The following objects were launched since the last report but did not achieve orbit:
None.

Revisions that should be made to previously reported data:
None.

* The registration data are reproduced in the form in which they were received.
Annex VII

Registration data on space launches by the United States of America for October 2008*

The following report supplements the registration data on United States launches as at 31 October 2008. All launches were made from the territory of the United States unless otherwise specified.

<table>
<thead>
<tr>
<th>International designation</th>
<th>Name of space object</th>
<th>Date of launch</th>
<th>Location of launch</th>
<th>Nodal period (min)</th>
<th>Inclination (degrees)</th>
<th>Apogee (km)</th>
<th>Perigee (km)</th>
<th>General function of space object</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-051A IBEX</td>
<td>19 October 2008</td>
<td>–</td>
<td>90.9</td>
<td>11.0</td>
<td>420</td>
<td>218</td>
<td></td>
<td>Spacecraft engaged in practical applications and uses of space technology such as weather or communications</td>
</tr>
<tr>
<td>2008-051B Pegasus R/B (1)</td>
<td>19 October 2008</td>
<td>–</td>
<td>90.9</td>
<td>11.0</td>
<td>421</td>
<td>217</td>
<td></td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
<tr>
<td>2008-051D Pegasus R/B (2)</td>
<td>19 October 2008</td>
<td>–</td>
<td>90.9</td>
<td>11.0</td>
<td>420</td>
<td>218</td>
<td></td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
<tr>
<td>2008-054B Delta 2 R/B (2)</td>
<td>25 October 2008</td>
<td>–</td>
<td>92.7</td>
<td>97.9</td>
<td>653</td>
<td>199</td>
<td></td>
<td>Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects</td>
</tr>
</tbody>
</table>

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but were no longer in orbit as at 2400Z 31 October 2008:

None.

The following objects achieved orbit since the last report but were no longer in orbit as at 2400Z 31 October 2008:

2008-051C Pegasus debris 19 October 2008 – 90.9 11.0 420 218 Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following object identified in a previous report was no longer in orbit as at 2400Z 31 October 2008:

2008-042B

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

* The registration data are reproduced in the form in which they were received.