



General Assembly

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**Committee on the Peaceful
Uses of Outer Space**

**Information furnished in conformity with General
Assembly resolution 1721 B (XVI) by States launching
objects into orbit or beyond**

**Note verbale dated 19 April 2004 from the Permanent Mission of
Turkey to the United Nations (Vienna) addressed to the Secretary-
General**

The Permanent Mission of Turkey to the United Nations (Vienna) presents its compliments to the Secretary-General and has the honour to transmit, in accordance with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information concerning the launch of the BİLTEN research satellite (see annex).



Annex

Registration data on an object launched into space by Turkey*

Owner:	Turkey
Name of space object:	BİLTEN research satellite (BILSAT-1)
International designator:	2003-042E
NORAD catalogue number:	27943
Location of launch:	Plesetsk, Russian Federation
Launch vehicle:	Cosmos-3M (Russian launch vehicle)
Launch organization/provider:	Russian Federal Unitary Enterprises (Rosoboron Export) and Polyot
Date of launch:	27 September 2003
Time of launch:	06:11:42.626 Universal Time (UTC)
Operational lifetime:	15 years (5 years in 3-axis control mode and 10 years in nadir-pointing mode)
Function of space object:	The satellite is a remote sensing satellite used for scientific purposes.

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

Orbital elements

First set of orbital elements after launch

SSC number:	27943
Launch year:	2003
Orbit epoch:	29 September 2003 00:01:36.88 UTC
Mean motion:	14.62490622 revolutions per day
Eccentricity:	0.00117450
Inclination:	98.203600 degrees
Argument of perigee:	216.713500 degrees
RAAN:	157.448800 degrees
Mean anomaly:	143.321400 degrees
Mean motion dot:	-0.00000048
Motion dot dot:	0.00000e+000
BStar:	0.00000e+000
Perigee altitude:	676.98 kilometres
Apogee altitude:	693.57 kilometres

Two-line element

```

1 27943U 03042E 03271.00112124 -.00000048 00000-0 00000+0 0 14
2 27943 98.2036 157.4488 0011745 216.7135 143.3214 14.62490622 111

```

Orbital elements as at 30 March 2004

SSC number:	27943
Launch year:	2003
Orbit epoch:	30 March 2004 02:12:29.26 UTC
Mean motion:	14.62513994 revolutions per day
Eccentricity:	0.00126710
Inclination:	98.186400 degrees
Argument of perigee:	12.236000 degrees
RAAN:	339.130800 degrees
Mean anomaly:	347.914700 degrees
Mean motion dot:	0.00000140
Motion dot dot:	0.0000e+000
BStar:	3.7092e-005
Perigee altitude:	676.12 kilometres
Apogee altitude:	694.02 kilometres
Nodal period:	5914.82 seconds = 98.6 minutes

Two-line element

```

1 27943U 03042E 04089.09200531 .00000140 00000-0 37092-4 0 3977
2 27943 98.1864 339.1308 0012671 12.2360 347.9147 14.62513994 111

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