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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 5 September 2001 from the Permanent Mission of Germany to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Federal Republic of Germany 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 submit information concerning space objects launched by the Federal Republic of Germany that have not been previously reported (see annex).

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Annex

Registration data on space objects launched by Germany*

1. ROSAT

Register number:	D-R019
Type:	Unmanned research satellite
Launching State:	Federal Republic of Germany
Designation of space object:	ROSAT
Date and location of launch:	1 June 1990 Cape Canaveral, Florida, United States of America
Basic orbital parameters:	
Period:	96 minutes
Inclination:	53 degrees
Apogee:	580 ± 10 kilometres
Perigee:	580 ± 10 kilometres
General function:	Complete sampling of the sky in the energy range of 0.1-2keV and 0.04-0.2keV; subsequent detailed observation in the extreme ultraviolet range as well as in the soft X-ray range.
Date of registration in the aircraft register of the Federal Republic of Germany under "Spacecraft":	6 October 1999

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

2. TUBSAT-A

Register number:	D-R014
Type:	Unmanned spacecraft
Launching State:	Federal Republic of Germany
Designation of space object:	TUBSAT-A
Date and location of launch:	17 July 1991 Kourou, French Guiana
Basic orbital parameters:	
Period:	100.6 minutes
Inclination:	98.5 degrees
Apogee:	780 kilometres
Perigee:	780 kilometres
General function:	Experimental satellite for mobile communication
Date of registration in the aircraft register of the Federal Republic of Germany under “Spacecraft”:	6 October 1999

3. ORFEUS-SPAS I

Register number:	D-R015
Type:	Reusable unmanned research satellite
Launching State:	Federal Republic of Germany
Designation of space object:	ORFEUS-SPAS I
Date and location of launch:	12 September 1993 Kennedy Space Center, Florida, United States of America
Basic orbital parameters:	
Period:	90 minutes 25 seconds
Inclination:	27 degrees
Apogee:	296 kilometres
Perigee:	(almost circular orbit)
General function:	With ORFEUS it was for the first time possible to acquire high-resolution spectra of white dwarfs, the interstellar matter and a large number of other astronomical objects in the ultraviolet range. The results are used to increase the understanding of the nature of those radiation sources.
Date of registration in the aircraft register of the Federal Republic of Germany under "Spacecraft":	6 October 1999

4. CRISTA-SPAS I

Register number:	D-R016
Type:	Reusable unmanned research satellite
Launching State:	Federal Republic of Germany
Designation of space object:	CRISTA-SPAS I
Date and location of launch:	3 November 1994 Kennedy Space Center, Florida, United States of America
Basic orbital parameters:	
Period:	90 minutes 30 seconds
Inclination:	57 degrees
Apogee:	304 kilometres
Perigee:	(almost circular orbit)
General function:	With CRISTA high-resolution spectra were acquired of more than 15 trace gases in the Earth atmosphere. A fast measuring method was used to investigate small-scale structures.
Date of registration in the aircraft register of the Federal Republic of Germany under “Spacecraft”:	6 October 1999

5. ORFEUS-SPAS II

Register number:	D-R017
Type:	Reusable unmanned research satellite
Launching State:	Federal Republic of Germany
Designation of space object:	ORFEUS-SPAS II
Date and location of launch:	19 November 1996 Kennedy Space Center, Florida, United States of America
Basic orbital parameters:	
Period:	91 minutes 41 seconds
Inclination:	27 degrees
Apogee:	252 kilometres
Perigee:	(almost circular orbit)
General function:	With ORFEUS it was for the first time possible to acquire high-resolution spectra of white dwarfs, the interstellar matter and a large number of other astronomical objects in the ultraviolet range. The results are used to increase the understanding of the nature of those radiation sources.
Date of registration in the aircraft register of the Federal Republic of Germany under "Spacecraft":	6 October 1999

6. ABRIXAS

Register number:	D-R018
Type:	Unmanned research satellite
Launching State:	Federal Republic of Germany
Designation of space object:	ABRIXAS
Date and location of launch:	28 April 1999 Kapustin Yar, Russian Federation
Basic orbital parameters:	
Period:	96.5 minutes
Inclination:	48.46 degrees
Apogee:	605.7 kilometres
Perigee:	564.49 kilometres
General function:	Sampling of the entire sky in the medium-energy X-ray range (0.5-10keV)
Date of registration in the aircraft register of the Federal Republic of Germany under "Spacecraft":	6 October 1999

7. CHAMP

Register number:	D-R021
Type:	Satellite
Launching State:	Federal Republic of Germany
Designation of space object:	CHAMP
Date and location of launch:	15 July 2000 Plesetsk Cosmodrome, Russian Federation
Basic orbital parameters:	
Period:	93.51 minutes
Inclination:	87.275 degrees
Apogee:	474.05 kilometres
Perigee:	418.23 kilometres
General function:	—Small satellite mission for geo-scientific basic research (gravity and magnetic field measurements and atmospheric physics) —Pilot project for the “neue Bundesländer” (NBL)
Date of registration in the aircraft register of the Federal Republic of Germany under “Spacecraft”:	17 November 2000