

Report on World Space Week 2006

Prepared in cooperation with World Space Week Association



SPACE FOR SAVING LIVES



ST/SPACE/35
Office for Outer Space Affairs
United Nations Office at Vienna

REPORT ON WORLD SPACE WEEK 2006

Prepared in cooperation with World Space Week Association



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1 Introduction

This report provides background information on World Space Week, details of the programmes implemented during the 2006 celebration and suggestions for future celebrations of what has become the largest annual public space event worldwide.

Held from 4 to 10 October annually, World Space Week was declared in 1999 by the United Nations General Assembly in response to a key recommendation of the Third United Nations Conference on the Exploration and Peaceful Uses of Outer Space (UNISPACE III). The objective of World Space Week is to increase awareness among decision-makers and the public of the benefits of the peaceful uses of space.

Since its declaration, World Space Week has grown to include celebrations in some 40 to 50 nations. This year's report includes information on celebrations of World Space Week held by participating organizations such as government agencies, companies, schools, museums, planetariums and other institutions. A total of 42 nations reported participation. A global network of 58 national coordinators supports participants and promotes the celebration.



Nigerian student Stella Felix floats in simulated zero gravity to inspire fellow students

World Space Week attracts global attention to space through synchronized outreach and education activities. Through media coverage and attendance, World Space Week activities efficiently inform the public about the benefits of space while inspiring students to excel.

The theme of World Space Week 2006 was "Space for Saving Lives." Events focused on the many ways in which space can help protect and save human life. The theme for World Space Week 2007, the fiftieth anniversary of the Space Age, will be "50 Years in Space."

By synchronizing as many events as possible during World Space Week, the global space community draws greater public attention to space than can be achieved through events held over the course of the year. Organizations around the world are therefore invited to hold space-related outreach and educational programmes from 4 to 10 October annually in order to publicize and report on such programmes and, where possible, to provide voluntary support for the coordination of World Space Week activities. This call to action is especially important in preparation for the fiftieth anniversary of the beginning of the Space Age in 2007.

This report was prepared in cooperation with World Space Week Association, a non-governmental organization which supports the United Nations in the global coordination of World Space Week. For further information, please visit www.worldspaceweek.org or email admin@spaceweek.org.

2 Background

2.1 History

World Space Week, held from 4 to 10 October each year, was declared in 1999 by the United Nations General Assembly to celebrate the contribution of space science and technology to the good of humankind, in response to the recommendation of UNISPACE III:

from the
Report of UNISPACE III

Recalling that 4 October 1957 was the date of the launch into outer space of the first human-made Earth satellite, Sputnik I, thus opening the way for space exploration,

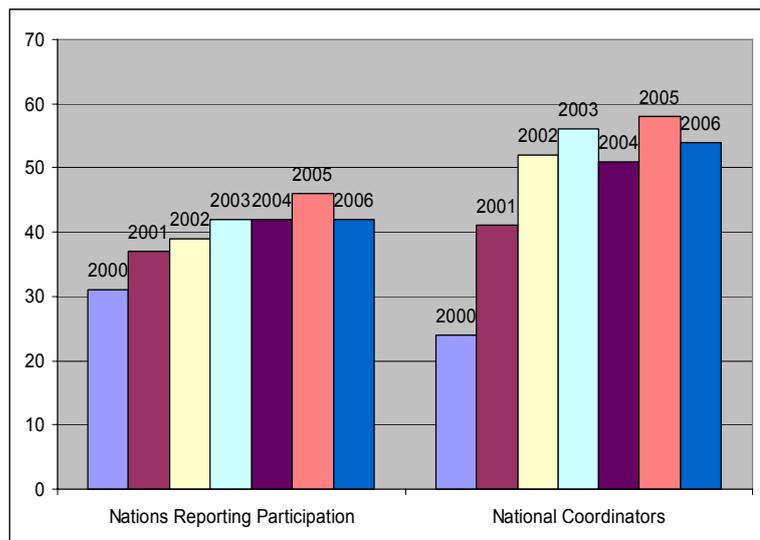
Recalling also that 10 October 1967 was the date of the entry into force of the Treaty on Principles Governing the Activities of States in the Exploration and Peaceful Uses of Outer Space, including the Moon and Other Celestial Bodies,

Decide, in order to contribute to the achievement of the objectives of UNISPACE III, in particular that of increasing awareness among decision makers and civil society of the benefits of the peaceful uses of space sciences and technology for sustainable development, to invite the General Assembly to declare, according to its procedures, “World Space Week” between 4 and 10 October for the yearly celebration at the international level of the contribution that space science and technology can make to the betterment of the human condition.

2.2 Participation

Organizations in 42 nations reported participation in World Space Week 2006. This chart summarizes reported World Space Week participation since its declaration by the United Nations General Assembly.

The table beginning on the next page provides details of reported participation since 2000.



Region	State or Area	Reported participation in World Space Week						
		2000	2001	2002	2003	2004	2005	2006
Africa	Algeria							
	Cameroon							
	Djibouti							
	Ghana							
	Kenya							
	Libya							
	Morocco							
	Nigeria							
	Senegal							
	Somalia							
	South Africa							
Asia & Oceania	Sudan							
	Antarctica							
	Australia							
	Bangladesh							
	China							
	India							
	Indonesia							
	Iran							
	Iraq							
	Israel							
	Japan							
	Kazakhstan							
	Kuwait							
	Malaysia							
	Nepal							
	New Zealand							
	Pakistan							
	Philippines							
	Republic of Korea							
	Europe	Saudi Arabia						
Singapore								
Thailand								
Turkey								
Uzbekistan								
Vietnam								
Austria								
Bulgaria								
Croatia								
Czech Republic								
Denmark								
Finland								
France								
Germany								
Greece								
Hungary								
Ireland								
Italy								
Netherlands								
Norway								
Poland								
Portugal								
Romania								
Russia								
Slovakia								

Region	State or Area	2000	2001	2002	2003	2004	2005	2006
Europe	Slovenia							
continued	Spain							
	Sweden							
	Switzerland							
	Ukraine							
	United Kingdom							
South America	Argentina							
	Bolivia							
	Brazil							
	Chile							
	Colombia							
North America & the Caribbean	Canada							
	Cuba							
	Dominican Republic							
	El Salvador							
	Mexico							
	Panama							
	Trinidad & Tobago							
	United States							
Totals	74	31	37	39	42	42	46	42
	Report received							
	Participated but no report received							

2.3 Organization

2.3.1 Global Coordination

The United Nations Office for Outer Space Affairs (OOSA) and World Space Week Association (WSWA) work together to encourage global participation in World Space Week, support participants, attract publicity and report on the results. These services include the development and support of the global network of national coordinators, preparation and distribution of educational and promotional materials, maintenance of the World Space Week website and publication of this annual report. World Space Week Association is a non-governmental, non-profit, non-membership organization governed by a distinguished Board of Directors comprising members from more than 20 nations. The leadership of the Association is listed in the box on the next page.

2.3.2 National coordination

World Space Week is coordinated by National Coordinators who generously devote their time and energy to this annual celebration. Coordinators invite organizations to participate in World Space Week, compile information on activities and events and provide that information to the media and, through World Space Week Association, to the United Nations. Current Coordinators are listed on the table on page 6. Organizations in each participating country should report planned World Space Week programmes to their Coordinator. Organizations in States not shown are invited to nominate a coordinator for their State.

World Space Week Association Board of Directors

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British National Space Centre

Courtney Stadd, Past Chairman

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Kerrie Dougherty, Powerhouse Museum Art Dula, Heinlein Prize Trust	F. R. Sarker, Bangladesh Astronomical Society Tania Sausen, INPE
Driss El Hadani, Royal Centre for Remote Sensing George French, Space Education Initiatives	Michael Simpson, International Space University Chris Welch, Kingston University
Luo Ge, China National Space Administration	

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World Space Week Association Board of Directors meeting in Vienna, Austria in February 2007, during the meeting of the Scientific and Technical Subcommittee of the United Nations Committee on the Peaceful Uses of Outer Space (COPUOS)



Region	State or Area	Last Name	First Name	Organization
Africa	Algeria	Oussedik	Azzedine	Centre National des Techniques Spatiales
	Cameroon	Foy Kum	Hubert	
	Ghana	Bonsu	Kwaku	Ashanti Space Agency
	Kenya	Njuguna	Peter	Mbaruk Ecology Centre
	Libya	Gashut	Hadi	Libyan Center for Remote Sensing & Space Science
	Nigeria	Jegeede	Gbenda	National Space Research and Development Agency
	South Africa	Martinez	Peter	SAAO
Asia & Oceania	Antarctica	Greene	Nick	McMurdo Station
	Australia	Young	Jennie	Arndell Anglican College
	Bangladesh	Sarker	F.R.	Bangladesh Astronomical Society
	China	Dept of Foreign Affairs		China National Space Administration
	India	Krisnamurthy	S.	Indian Space Research Organization
	Iran	Tarikh	Parviz	Iranian Space Agency
	Israel	Inbar	Tal	Israeli Space Society
	Japan	Fushimi	Kazuya	Japan Space Forum
	Kazakhstan	Omarova	Gulnara	Aerospace Committee
	Kuwait	Alifoan	Maryam	
	Malaysia	Shah	Zamri	Malaysian National Space Agency
	New Zealand	Bouma	Yvonne	
	Pakistan	Siraj	Arshad	SUPARCO
	Philippines	Ogena	Ester	Science Education Institute
	Republic of Korea	Kim	Jinwook	Young Astronauts Korea
	Singapore	Dara	Sarita	Aerospace Physiology & Human Factors
Thailand	Singhasaneh	Pitan	GSTDA	
Uzbekistan	Gataullin	Yunir	Aerospace Committee	
Europe	Austria	Weinwurm	Gudrun	Österreichisches Weltraumforum
	Bulgaria	Radeva	Veselka	Info. Center for European Educ.Astron. Programs
	Czech Republic	Pribyl	Thomas	Czech Board for Space Activity
	Denmark	Jørgensen	Jesper	SpaceArch
	Finland	Jukola	Paivi	
	France	Contreras	Pierre-Louis	Centre National d'Etudes Spatiales
	Greece	Manolis	Zoulias	National Observatory of Athens
	Hungary	Both	Elod	Hungarian Space Office
	Ireland	Barnett	Ed	Space Encounters
	Italy	Parlatini	Adriana Linda	ODISSEOSPACE
	Norway	Bekkelund	Kolbjørn	Andoya Rocket Range
	Poland	Ustynowicz	Adam	Committee on Space Research
	Portugal	Lopes	Manuel Matos	Universidade de Lisboa
	Romania	Piso	Marius-Ioan	Romanian Space Agency
	Russia	Victoria	Mayrova	Bauman Moscow State Technical University
	Slovenia	Jarh	Orest	Technical museum of Slovenia
	Spain	Cragolini	Alider	Instituto Nacional de Técnica Aeroespacial
	Switzerland	Meiner	Rudolph	PUSH Foundation
	Ukraine	Gerasymchuk	Sergey	NSAU
United Kingdom	Welch	Christopher	Space Education Council	
South America	Bolivia	Zalles	Rodolfo	Observatorio Astronomico Nacional
	Brazil	Sausen	Tania Maria	INPE
	Chile	Mujica	Fernando	Aeronautical Engineer
	Colombia	Hernandez	Beatriz Elena	Voz Infantil- Hola Juventud WYESR-Colombia
North America & Caribbean	Canada	Clemen	Jason	Canadian Space Agency
	Cuba	Suarez	Loudres Palacio	Instituto de Geofisica y Astronomia
	Mexico	Alcaraz	Francisco	Planetario de Morelia
	Panama	Barrera	Azael	Universidad Catolica Santa Maria La Antigua
	Trinidad & Tobago	Sankar	Hollis	Corinth Teachers College
	United States	Sietzen	Frank	US World Space Week Coordinating Committee

3 World Space Week Activities

This section describes the activities held during World Space Week 2006. The reports are grouped according to geographical region. All reports received from participating organizations by World Space Week Association have been included in this report. Any additions or corrections should be emailed to admin@spaceweek.org and will be posted on the official World Space Week website.

3.1 Africa

3.1.1 Algeria

The National Salon in Popular Astronomy, which is held yearly to coincide with World Space Week celebrations, began this year immediately after Ramadan. Since its inception in 2002, the National Salon has become a major annual rendezvous for amateur astronomers throughout Algeria.

Prior to the Salon, during World Space Week, a special evening was held on 9 October at the Ahmed Saadi Cultural Center in the city centre, with a retrospective on previous World Space Week celebrations in Algeria and two lectures on the value of space to mankind.



This year saw broader participation by associations from abroad, in particular, the Arab Union for Astronomy and Space Sciences (AUASS) of Jordan, the Société Astronomique of France (SAF), the Association Jeunes-Science of Tunis, and others from Libya, Saudi Arabia, and Iraq. In addition to the Salon held in the exhibition hall of the Malek Haddad Palais de la Culture, a number of public lectures and specialized workshops were held. More details on the programmes and the

various participants are available at <http://www.siriusalgeria.org/salon2006>.

In keeping with this year's theme, "Space for Saving Lives", various exhibition stands and activities addressed the ways in which space can be used to conduct rescue missions, issue early warnings and in general to help save lives. Great importance is attached to raising public awareness in Algeria regarding new advances in and the possibilities offered by space science.





As every year, the Expo saw also the participation of the various national agencies working on space and space related activities, such as L'Agence Spatiale Algérienne (ASAL), the Centre National des Techniques Spatiales (CNTS) of Arzew, the Centre de Recherche en Astronomie Astrophysique et Géophysique (CRAAG) of Bouzaréah, the L'Institut National de Cartographie et de Télédétection (INCT), the L'Office National de la Météorologie (ONM) and the Entreprise Nationale de la Navigation Aérienne (ENNA). In addition, some 18 astronomy clubs and associations from all over the country manned exhibition stands, with greater representation of the South and East of Algeria than usual.

The fair held in celebration of World Space Week received extensive coverage on radio and television and in the press, including many Arabic- and French-language national

newspapers. El Watan published three articles before and during the Salon. Other media covering the event were Le Quotidien d'Oran, La Nouvelle République, El Moudjahid, and El-Khabar. The official Algerian Press Agency published a special bulletin on the Salon, which was covered by several newspapers.

The Société Astronomique de France published a half-page article in the August 2006 issue of its magazine "Astronomie" on the Constantine Salons, calling for broad participation by European amateurs in the fifth Salon. In addition, there was a special feature on the solar observations carried out during the Salon at their site, la SAF Interactive.

Various radio channels also covered the event extensively, including the national radio channel "La Chaîne 3", which broadcast a report on the Salon and an interview during its noon news bulletin on the day of the opening of the event; Cirta FM, the local Constantine radio channel, ran advertisement spots free of charge beginning two weeks prior to the Salon, in addition to on-the-spot coverage. Médi 1, the Morocco-based international radio channel, broadcast an extensive feature on the Salon a week before the event opened. National television channels ENTV and Canal Algérie broadcast spots on the Salon prior to the event, and covered it extensively in its mid-day news bulletin.

3.1.2 Ghana

World Space Week 2006 was celebrated at Adu Gyamfi Basic School at Sowutuom in the Ga north district of Accra on 4 and 5 October, with the participation of primary and secondary school students. The speaker, Mr. Kofi Adarkwa Yiadom, invited the students to consider the World Space Week theme, "Space for Saving Lives", as their gateway to the Space Age. The second speaker, Mr. Emanuel Ansong, encouraged the students to participate in a space essay competition and to learn about the international education community, including United Nations educational programmes.

A poster exhibition was held on 6 and 7 October at the same venue, with posters from the European Space Agency, the Mars Society and the Young Astronauts. Mr. Prince Opoku, a teacher of Adu Gyamfi Basic School, announced a competition for World Space Week 2007 in Ghana, and encouraged students to participate by preparing drawings of rockets, astronauts and spacecraft.

3.1.3 Libyan Arab Jamahiriya

The Libyan Center for Remote Sensing and Space Science joined other members of the United Nations in celebrating World Space Week.

The Center coordinated the celebration of World Space Week from 4 to 10 October under the supervision of the National Office for Research and Development (NORD) and in cooperation with the United Nations Development Programme (UNDP) and the United Nations Information Centre in the Libyan Arab Jamahiriya, the National Committee for the Peaceful Use of Outer Space and the National Committee for Remote Sensing.

The Center invited one of the scientific institutes in the district of Tripoli to attend the scientific programme in order to introduce space science and its applications and the purpose of celebrating this event.

The guests attending the general programme of this international event were the Head of the People's Committee for Higher Education, the Director of the Center and president of the National Committee for Remote Sensing, the Representative of the National Committee for the Peaceful Uses of Outer Space, the Representative of the United Nations



programme in Libya, the Representative of the National Bureau of Research and Development, the Dean of the College of Science of Elfateh University, various space science representatives from different research centres and high schools and researchers and specialists from the Libyan Center for Remote Sensing and Space Science (LCRSSS).

At the inauguration of the event, the Director of NORD made a speech welcoming the guests and emphasizing that the celebration was in keeping with the spirit of all other celebrations to promote the use of space technology and its applications – particularly water resource management – for the good of humankind.

Various lectures were given during the event period by specialists in space science, who provided an overview of space science, astronomy, remote sensing and its applications, management of natural disasters, human welfare, education and health.

The speeches were followed by a visit to an exhibition and to the laboratories of the Libyan Center for Remote Sensing and Space Science in western and eastern Libya.

3.1.4 Nigeria

The activities held to mark World Space Week in Nigeria were planned and implemented by the African Regional Centre for Space Science and Technology Education in English (ARCSSTE-E) at the Obafemi Awolowo University campus, Ile-Ife, in conjunction with the National Space Research and Development Agency (NASRDA) of Abuja.

The week-long celebrations, which began on 4 October, were preceded by large-scale publicity campaigns, with colourful posters and banners displayed strategically and conspicuously on major streets of the university campus. In order to raise public awareness and ensure that the event was promoted nationwide, local organisers published advertisements and feature articles in newspapers (4-6 October) and gave radio and television interviews (6 October) to highlight the importance of World Space Week. Radio and television jingles, public service announcements and news reports were broadcast in the local media in the English and Yoruba languages.

A seminar on the “Use of Space Technology for Combating Environmental Disasters” was held on 9 October at the Conference Centre of Obafemi Awolowo University. The Vice-Chancellor of Obafemi Awolowo University, Professor M. O. Faborode, who was the chief host of the ceremony, was represented by Professor A. O. Obisesan, Dean of the Faculty of Agriculture. The Chairman was Professor E. E. Balogun, former Director of ARCSSTE-E. Other dignitaries present were the Director-General of NASRDA, Professor R. A. Boroffice (represented by Dr. J. O. Akinyede, Director of Space Applications of NASRDA), Director of the Regional Centre for Aerospace Surveys and deans and heads of departments of the University. Stakeholders in space science technology, school principals, the Association of Science Teachers, government officials, academia and policy makers in relevant areas of science and technology took part in the seminar.

The welcome address was given by Professor O. O. Jegede, Director of ARCSSTE-E and World Space Week National Coordinator for Nigeria. Prof. Jegede provided background information on World Space Week and introduced the theme for 2006 and plans to celebrate 50 years of space exploration during World Space Week 2007.

Five prominent experts gave lectures at the seminar. Dr. Akinyede presented a paper on “The Role of Space Technology in Disaster Management and Reduction”. Professor Ayobami T. Salami, Director of the Institute of Ecology and Environmental Studies of Obafemi Awolowo University, Ile-Ife, delivered a paper entitled “Spin-offs of Space Exploration for Ecological Disaster Management”. Mr. Ayodeji Ajayi, representative of the Director-General of the National Emergency Management Agency (NEMA) presented a paper entitled “Application of Space Technology in Managing Disasters”. The Director-General spoke extensively on the collaborative effort of NEMA and the National Space Research and Development Agency (NASRDA) in using the services of NigeriaSAT-1 for disaster management. Mr. Oluwole Adeniran of the Federal School of Surveying also gave a presentation on the possible benefits of space technology in managing natural disasters. Professor A. S. Aguda of the Department of Geography of Obafemi Awolowo University served as rapporteur. Some 250 people attended the workshop.

On 10 October, the Centre hosted a symposium attended by some 300 children from elementary and secondary schools, who also participated in a quiz competition on space education. The school children attended educational video presentations on the benefits of space technology to mankind and various types of space exploration and their positive impact on mankind.

In addition to these main activities, members of the community visited the space museum at ARCSSTE-E. The aim was to increase awareness about space technology. Over 400 school children and adults were received at the centre. Exhibitions were set up at the space museum and educational DVDs on the solar system, space exploration and disaster management were shown. The centre distributed T-shirts, baseball caps, jotters, pens, notebooks and other promotional materials with the World Space Week logo to the visitors to promote World Space Week 2006. Prizes were awarded to the first six winners of the quiz competition.

The Zeronaut Ms. Stella Bridget Felix of Nigeria, who was Africa's first schoolgirl to experience weightlessness, thrilled the schoolchildren with her vivid illustrations of her experience on the weightless flight and other exciting moments in the United States of America. Stella's one-hour presentation captivated the attention of the children at the Ogunbanjo Community Hall of the Obafemi Awolowo University Ile-Ife.

The events were covered by various television channels, radio stations and major newspapers throughout the country.

3.1.5 South Africa

In 2006, South Africa celebrated World Space Week with a variety of events in all nine provinces. These activities included workshops for learners and teachers, presentations on various aspects of space science and technology, model rocketry launching competitions, exhibitions and facility tours. Several career exhibitions were also arranged to inform young people about careers in space science and technology and how to prepare for such careers. Where possible, young space scientists were used as role models.

A number of printed and electronic resources were produced for distribution to learners and to the public. Electronic versions of these resources have been made available for downloading on the South African Space Portal, a website providing easy access to information regarding space science and technology in South Africa.

Also in 2006, a new version of the popular Earth visualisation software package NASA WorldWind was released for a South African audience. This version incorporates several data layers for South Africa, such as national 1:50,000 maps and national heritage sites. The software is available on the South African Space Portal and also on CD ROMS on request from any school.

The World Space Week activities were funded by the Department of Science and Technology and the Department of Communications. World Space Week 2006 was used as part of the build-up to the launch of SumbandilaSat in 2007; consequently World Space Week activities were spread over a much longer period than just one week. A number of the programmes funded under World Space Week are extending well into 2007.

3.2 Asia & Oceania

3.2.1 Antarctica

World Space Week 2006 was celebrated at McMurdo Station, with approximately 15 participants during the course of the week. All activities were held in the lounge of dormitory 207, with the exception of the space poster displays in the library.

On 4 and 5 October, a DVD entitled “NASA Triumphs and Tragedies, 50 Years of Space Exploration” was shown. From 6 to 9 October, the DVD mini-series “From the Earth to the Moon” was also screened. The activities concluded on 10 October with a discussion on the future of space exploration.

3.2.2 Australia

Since World Space Week falls in the school holiday period in Australia, most World Space Week activities tend to fall either a little before or after the designated week, within the local school terms.

On 17 October, the Schools Space Technology Symposium was held at Arndell Anglican College, Oakville, New South Wales. This was an academic-style conference offering school students from Years 5 to 12 the opportunity to present a paper about their work on a space-related project to an audience of their peers. For the 2006 Symposium, Ms. Kerrie Dougherty, Curator of Space Technology at the Powerhouse Museum, Sydney, was the keynote speaker.

The Australian Space Research Institute (ASRI) continued firings under its Small Sounding Rocket Programme designed to carry educational payloads for schools and universities. A sounding rocket campaign was undertaken over the weekend of 29 September to 1 October at the Woomera Rocket Range, with at least three rockets launched.

A space education workshop for teachers was held in Sydney on 13 October 2006. This workshop was designed to provide teachers with the latest techniques, tools and resources for teaching young people about space exploration, technology and science.

The Australian International Space School was held in Adelaide from 28 September to 3 October. Year 11 students from Australia and overseas participated in a space education programme that included a visit to the Woomera Rocket Range to attend the ASRI sounding rocket launch.

The Global Network Against Weapons and Nuclear Power in Space held vigils and distributed leaflets throughout the week in Byron Bay.

3.2.3 Bangladesh

In Bangladesh, World Space Week 2006 was celebrated in Enayetpur and Dhaka. Despite the fact that schools were closed for Ramadan, the activities held were a great success.

Activities held in Enayetpur:

The main event of World Space Week 2006 was held on 5 October in Enayetpur at Mohakash Bhavan (Space House), and was attended by hundreds of students from 16 schools. Organizers were aware of the problem created by mass participation during World Space Week in 2005, so this year a limited number of students from each school were invited. Three “Space Contests” were held: space art, a space debate and a space quiz. Winners were awarded attractive prizes. The event was followed by a Space Video Show, including a video clip of Anousheh Ansari, the first woman space tourist, speaking from the International Space Station, which she visited in September 2006.



Approximately 200 students below class V participated in the Space Art Contest. They sat on sheets of cloth spread over the lawn of Mohakash Bhavan and drew space-related pictures. It was one of the most exciting events of the celebration as the children concentrated their indomitable enthusiasm on the drawing of Space Art and completed it within the specified time. It was followed by a Space Debate in which a dozen students presented informative lectures on the Sun and the planets of the Solar System.



The third and the most interesting event was the Space Quiz. Students were asked space-related questions and had to reply instantly. Dozens of students raised their hands almost simultaneously, and answers were flawless, despite the fact that they are living in a part of the world where there are no facilities for space education.

Students of the following Schools participated in the celebration of World Space Week-2006 in Enayetpur:

- | | |
|-------------------------------------|-------------|
| • KYAMCH Public School | Enayetpur |
| • ICL School | Enayetpur |
| • Khwaja Enayetpuri Cadet Coaching | Enayetpur |
| • Kabatunnessa Kindergarten | Enayetpur |
| • Alhaj Siddique High School | Chala |
| • Shohagpur Pilot Girls High School | Mukundogati |

- | | |
|-------------------------------------|--------------|
| • Syamkishore Pilot High School | Mukundogati |
| • Alimuddin-Osman Ghani High School | Randhunibari |
| • Mukti Biddya Niketan | Doulatpur |
| • New Light Model School | Khamargram |
| • Imperial Public School | Gopalpur |
| • Islamia Shishu Academy | Goprekhi |
| • Sunrise Kindergarten | Chandangati |
| • Child Fair Kindergarten | Chandangati |
| • Khamargram College | Khamargram |



The following lecturers attended the function:

- Dr. A. R. Khan, President of the Bangladesh Astronomical Society and a former Professor of Applied Physics at the University of Dhaka;
- Dr. Ali Asgar, Head of the Biotechnology Department, Gono University, Savar and the former Head of the Physics Department at Bangladesh University of Engineering and Technology in Dhaka;
- Dr. Sadre Ula, Professor of Electronics and Computer Engineering at the University of Wyoming, Laramie, United States of America and Energy Advisor to the State of Wyoming;
- Mr. F. R. Sarker, General Secretary, Bangladesh Astronomical Society and the National Coordinator in Bangladesh for Spaceweek International Association,
- Mr. Saidul Islam, Head Master, Shohagpur Pilot Girls High School,
- Mr. Shahjahan Ali Mollah, Principal, Khwaja Enayetpuri Cadet Coaching,
- Ms. Shajeda Khatun Lopa, Principal, KYAMCH Public School,
- Mr. Wahiduzzaman Wahid, Pricipal, ICL School,

- Mr. AFM Hasan, Belkuchi Upazila Education Officer, Mr. Lokendra Nath Ghose, Principal, Khamargaon College,
- Mr. Saidul Islam, Mr. Khairul Anam Sheikh, Mr. Alim-Al Razi, Mr. Mosharraf Hossain Khan, Members of Bangladesh Astronomical Society.

Activities held in Dhaka:

The second event of World Space Week was held on 10 October in the Auditorium of Maple Leaf International School in Dhanmudi, Dhaka, one of the leading English medium schools in Bangladesh. Among the speakers who delivered their lectures at the function were Dr. Mobarak Ali Akand, former Director of the Science Museum, Dhaka and Chairman of the Comilla Education Board; Mr. F. R. Sarker, General Secretary, Bangladesh Astronomical Society and the World Space Week National Coordinator in Bangladesh; Mr. S. Doha and Mr. Abdur Raqib, teachers of the Physics Department; and Master Amit and Master Anik, students of Class VI of the School. The function was followed by a question-answer session and a video show on space-related events. The event was extremely vibrant and memorable.

3.2.4 India

World Space Week 2006 was celebrated in India with much enthusiasm. Elaborate arrangements were made at the Indian Space Research Organisation (ISRO) and its Vikram Sarabhai Space Centre (VSSC) and Liquid Propulsion Systems Centre (LPSC) in Thiruvananthapuram. The celebration was inaugurated by Mr. R. V. Perumal, Director of the LPSC at the VSSC on 4 October. The events included:

- Elocution competition for employees on the theme of “Space for Saving Lives”.
- One-day workshop for 204 undergraduate science students on October 6 with lectures on “Space Exploration, Past, Present and Future”, “Rocket Stability and Control” and “Planetary Science”, followed by intense interaction.
- Workshop for school teachers on 7 October attended by 134 teachers representing 50 schools. During the workshop, teachers were briefed on the Indian space programme, “Near Earth Space”, and the role of the EDUSAT programme for school education.
- Workshop for high school students on 8 October for 211 students from Kerala State.
- Painting competition attended by 1,123 students in Thiruvananthapuram.
- Quiz competition attended by 88 teams.
- Essay competition for which 530 entries were received.

Some 600 schools organized World Space Week celebrations. Lectures were delivered in 50 schools. The Space Museum at Thiruvananthapuram was visited by 24,000 people, who saw a rocket launch on 8 October.

Lectures were organized at ISRO Headquarters, Bangalore. The National Remote Sensing Agency in Hyderabad, the Space Applications Centre in Ahmedabad, the ISRO Satellite Centre in Bangalore and Satish Dhawan Space Centre in Sriharikota also organized functions, including lectures, exhibition and competitions.

The National Council of Science Museum in Kolkata also observed World Space Week in its centres across the country.

The Planetary Society of India held several events as part of World Space Week 2006:

- Seminar on space science and astronomy for 150 people at Osmania University.
- Talk on space science and the environment, attended by 50 persons, at Andhra Pradesh Forest Academy.
- Seminar on space science for women attended by 100 at Andhra Mahila Sabha.
- Showing of the film “Deep Impact” for 50 students at D.A.V. School.
- Seminar on international space law and advocacy at P.R.R. Law College, attended by 50 participants.
- Talk on space science for 30 disabled children at Durgabai Deshmukh Vocational Training and Rehabilitation Centre for the Handicapped.
- The Planetary Society also wrote newspaper articles and participated in a television interview.

The Global Network Against Weapons and Nuclear Power in Space held various programmes on space weaponization during World Space Week in Chennai, Nagpur, New Delhi, Raipur, and Visakhapatnam.

3.2.5 Iran

The World Space Week celebration in Iran was held from 6 to 12 November this year, since the official dates of 4 to 10 October coincided with Ramadan. In keeping with tradition, each day of World Space Week was devoted to a specific space-related theme, with events hosted by various organizations and institutions and sponsored by the Iranian Space Agency. The detailed schedule was as follows:

- 6 November: “Space and Satellite Communications,” organized and hosted by the Iranian Space Agency.
- 7 November: “Space, Education and Research”, hosted by the Aerospace Research Institute of Iran and a number of leading Iranian universities.
- 8 November: “Space and Meteorology”, hosted by the Iranian Meteorological Organization.
- 9 November: “Space, Education and Tele-health”, hosted by the Iranian Space Agency.
- 10 November: “Space and Astronomy”, hosted by the Iranian Astronomical Society.
- 11 November: “Space and Disaster Management”, hosted by the Iranian Geographical Organization.

- 12 November: “Space and sustainable Development”, hosted by the Iranian Space Agency.

World Space Week 2006 in Iran comprised a variety of activities, including scientific and technical seminars, interviews, workshops, exhibitions, film screenings, television and radio programmes and painting and writing contests for children and teenagers. The participation of eminent Russian astronaut Igor Volek in some of the ceremonies held during World Space Week drew the attention and interest of the audience as he shared his experiences of space missions and ideas with them. In addition, the journey of Anousheh Ansari, the first female space tourist of Iranian descent, in September 2006 was publicized under World Space Week programmes and was well received, especially by young people, who accounted for a large proportion of the participants in World Space Week events in Iran.

3.2.6 Israel

World Space Week 2006 in Israel was limited to two days, since it coincided with national holidays. In spite of that limited timeframe, however, the following activities were held:

- Ten public stargazing events nationwide;
- A special event at the leading space-related web forum, attended by professionals from the Israeli space industry;
- The Chairman of the Israeli Space Society participated in the International Astronautical Congress in Valencia, Spain, where he gave three lectures, two of which were on space education;
- Space curricula materials were sent to 200 schools nationwide;
- A special seminar was held in cooperation with the Fisher Institute for Air and Space Strategic Studies on issues relating to space security and control.

Israel is planning to hold a special celebration of World Space Week 2007, the fiftieth anniversary of the Space Age.

3.2.7 Japan

In Japan, 12 September is "Space Day." On this day in 1992, the astronaut Mamoru Mohri became the first Japanese national in space aboard the Space Shuttle; the fourteenth Space Day was celebrated in 2006. Since 2000, the period between Space Day in Japan and World Space Week has been designated "Space Month", and many space-related events are held every year.



The Ministry of Education, Culture, Sports, Science and Technology (MEXT), the Japan Aerospace Exploration Agency (JAXA) and others promoted an essay-writing and drawing contest for elementary and middle-school students and other space-related events which

provided children with opportunities to learn about space and space development. In addition, JAXA opened its facilities to the public.

"Fureai Festival 2006", the opening event of Space Month, was held in Kanazawa City from 8 to 10 September. Children from all over Japan submitted 24,780 essays and drawings for the essay and drawing contest, and the awards ceremony was held at the National Museum of Emerging Science and Innovation on 8 October.

The Global Network Against Weapons and Nuclear Power in Space held a public seminar on the demilitarization of space and missile defence at the Bunkyo civic center, Tokyo, on 6 October.

3.2.8 Kazakhstan

The year 2006 was a very important year in terms of the development of space activities in Kazakhstan. Kazakhstan launched its first satellite into orbit on 18 June 2006, which was its first step towards joining the community of spacefaring nations. KazSat is a geostationary satellite designed to provide television broadcasts and communications for Kazakhstan, Uzbekistan, Kyrgyzstan, Turkmenistan and part of the Russian Federation. The launch of the satellite inspired the celebration of World Space Week in Almaty.

The centre of celebrations is traditionally Space College. The opening ceremony was attended by college students and teachers and a number of guests, including scientists and retired staff of the Baikonur launch site. At the end of the ceremony, there was a rocket show.

Students then presented their studies on astronomy, physics and space-related topics at a conference organized by teachers of the College. The conference was attended by invited guests, scientists and retired staff of the Baikonur launch site.

The conference was designed to secure wider participation of students in the fields of international relations, economics, history, aerospace studies, security studies, development studies, political science and ethics to provide discussion and analysis of space activities in their political, economic, industrial, legal, cultural and social contexts. In addition to presentations, which are subject to a competition review system, the conference aims to provide a forum for the exchange of ideas and opinions on peaceful uses of outer space.

Interesting lectures on cosmology and astrophysics were presented by eminent scientists Prof. Tuken B. Omarov of the Astrophysical Institute, member of the Board of the World Space Week Association, and Prof. Igor L. Genkin of the National University.



As part of World Space Week, meetings were held in universities and schools in Almaty and Astana with Kazakh cosmonauts, scientists and representatives of the Aerospace Committee and the national company "Kazcosmos". At the meetings, a new plan and several initiatives were discussed with a view to encouraging new ideas on space education for the needs of the national space industry.

3.2.9 Malaysia

The Merdeka Space Carnival was organized in conjunction with two events, namely Malaysia's 49th Independence Day and World Space Week. This programme, which was held at the National Planetarium compound on 16 September, was partly sponsored by Nutrigen IQ3. World Space Week was celebrated early so as not to coincide with Ramadan. The programme is coordinated in such a way as to enable participants to gain insights into space science while having fun with their children. "Angkasawan" ("astronaut" in Malay) was chosen as the theme, since it is also the title of Malaysia's national space programme.

Beginning as early as 8.30 a.m., children between the ages of five and 12 gathered at the Planetarium to register. Various activities had been planned for them: firstly, there was a



telematch for five- to seven-year-olds. The telematch game was modified to simulate astronaut activities in space, such as taking samples on the Moon and eating inside the International Space Station. Children aged 10 to 12 were then invited to use their creativity and skills to produce space suits using cheap everyday materials that were provided. At the same time, seven- to nine-year-olds, together with family members, played a competitive game in which they were asked to

create a meal suitable for an astronaut in space, using frozen food. Entries were judged by two Angkasawan space science students, on the basis of the creativity, appearance and functionality of the meals. No fees were charged to participants.

3.2.10 Pakistan

The Pakistan Space & Upper Atmosphere Research Commission (SUPARCO) organizes World Space Week in Pakistan each year in accordance with General Assembly resolution 54/68. In 2006, World Space Week was celebrated in November due to Ramadan. The theme for World Space Week 2006, "Space for Saving Lives," was aimed at raising awareness among the general public, the student community and decision-makers of the advantages of space technology applications for disaster mitigation. Organizations, students and the public participated enthusiastically in all of the events. The printed and electronic media gave good coverage to World Space Week celebrations.

The organizations that either participated in or sponsored the activities of World Space Week 2006 included the Institute of Space Technology (IST) in Islamabad, PAKSAT International Ltd, the Pakistan Science Foundation, the Education Department of the Government of Sindh, Telenor Pakistan Limited, the Institute of Space and Astrophysics (ISPA) of Karachi University, Pakistan International Airlines, Shaheen Air International, Air Blue, Pakistan State Oil, Holy Family Hospital Rawalpindi, SuperNet Limited, Sanofi Aventis International, ER Mapper and Positive Cultural Wing.

The following events and activities were organized:

- Inaugural ceremony: Held on 6 November 2006 at the Institute of Space Technology (IST) in Islamabad, the impressive inauguration ceremony marked the beginning of World Space Week. Intellectuals, scientists, teachers and students were invited. Honourable Mr. Parvez Butt (HI, SI), Secretary of the Ministry of Science and Technology, was the chief guest at the event.
- Panel discussion: Held on the same day at IST. The topic for discussion was "Space Technology and the Future of Pakistan". The panel of experts comprised Mr. Raza Hussain, Chairman of SUPARCO; Mr. Arshad Hussain Siraj, Director-General of Space Applications and Research at SUPARCO; Azmat Hayat Khan, Director of Research and Development at the Pakistan Meteorological Department; Professor Dr Asif Zafar Malik, Telemedicine / E-Health Training Center, Holy Family Hospital, Rawalpindi; Brig Imran Rahman, Vice Chancellor, Institute of Space Technology, and Mr Usman A Bajwa, CEO PAKSAT International (Pvt) Ltd. A large number of participants, including students, attended the panel discussion and participated in the question/answer session.
- Space Seminar: A seminar on "Space for Saving Lives" was organized on the evening of 6 November 2006 at IST, Islamabad.



- Science awareness programme in rural areas: A team of SUPARCO scientists gave animated lectures on space technology and its applications, and showed video documentaries on space to students and teachers of schools in the remote areas of Sindh. Approximately 1,000 students and teachers from 10 State schools benefited from the week-long programme.



- Sky simulation shows: From 6 to 10 November 2006, sky simulation shows, lectures, presentations and space-related movies were arranged for students and the public at PIA Planetarium, Karachi, in collaboration with Pakistan International Airlines. Some 350 students from various schools participated in the programme.

• Quiz Competition: More than 100 students from 44 schools participated in a quiz competition at SUPARCO headquarters on 8 November 2006. In order to prepare the students and in general, to educate them about space, 5000 information booklets were distributed among students. A final competition for students of the Army Public School, Bahria Foundation College School and Happy Home School was held on 12 November 2006 at PAF Museum. The chief guest awarded prizes to the winners.

- **Declamation contest:** A declamation contest was organized at SUPARCO headquarters on 9 November 2006. Students from various schools in Karachi presented their views on the theme "Space for Saving Lives", emphasizing that concerted efforts should be made on the use and application of space technology, particularly in disaster management and mitigation, for the benefit of humankind and the socio-economic development of Pakistan. Speeches delivered by students reflected their thorough knowledge of space technologies and their applications.



- **Poster-making competitions:** An on-the-spot poster-making competition was organized at PAF Museum on 11 November 2006, on the theme of "Space for Saving Lives", with the participation of almost 60 students. The posters were judged by a panel, and winners were awarded prizes. A similar activity was organized at IST Islamabad, in which students from several schools in Islamabad and Rawalpindi participated.



2006 at PAF Museum as part of World Space Week celebrations. Led by the Chairman of SUPARCO, some 1,000 people, including the general public, students and families of SUPARCO employees, participated in the walk.

- **Space Family Fair:** A two-day space family fair was organized at PAF Museum on 11 and 12 November as part of World Space Week celebrations. The activities included a model-making competition, a tableau competition, a poster-making competition, a quiz and declamation final contests, a magic show, a puppet show, a mobile planetarium, a vehicle tracking system display, a telemedicine display, space-related films and a musical show.

- **Model-making competitions:** On 11 November 2006 at PAF Museum, almost 70 students of various schools of Karachi presented their models on the theme "Space for Saving Lives."

- **Space Week Walk:** A Walk was organized on 11 November

- On 12 November, a prize award ceremony was held. Mr Rauf Siddiqui, Provincial Minister of Culture and Tourism was the chief guest. He awarded prizes to the winners of the various competitions. In his speech, he emphasized the importance of space education and the application of space technology in promoting good standards of living.



To mark World Space Week, the students and faculty staff members of IST organized a Space Family Fair at the Institute of Space Technology, Islamabad, on Saturday 11 November. The Family Fair included a series of events aimed at disseminating information among school and college students about space-related education and its applications:

- **Declamation contest:** The first in the series of events was a declamation contest, the topic of which was “Is Space our Ultimate Saviour?”. The topic generated a great deal of debate, both in favour of and against, but at the end of the debate, the general conclusion drawn was that while space may not be the ultimate saviour, it is crucial to explore and take advantage of it.
- **Essay-writing / poster competition :** The topic of the essay-writing competition was ‘What are your views on Man's conquest of Space?’ This again prompted some very interesting views from the young participants. A poster competition was held in parallel with the essay competition, on the theme of ‘Space for Saving Lives’. The artists expressed their ideas in the form of colourful pictures depicting the peaceful uses of space.
- **Quiz / aero-modeling competition:** The quiz consisted of three rounds: a multiple-choice round, a rapid-fire round and a visual round. The quiz was well received by the audience, since it provided useful and often overlooked information on space. IST students had organized an aero-modeling competition. The students were divided into two categories: Matric/O Levels and FSc/A Levels, and, according to their age, were given either rubber-propelled or motor-operated model airplanes to assemble. The teams were given two days to assemble the models. At the end of the second day, judges were called in and the models were given a test flight. The winners were those whose planes made the longest and least turbulent flight.
- **Prize-giving ceremony:** On completion of all events and activities, the judges were given time to compile the results, which were announced at the Prize-Giving Ceremony. Finally, a concert was held for the students’ entertainment.

3.2.11 Philippines

In 2006, the Philippines joined other countries for the third time in celebrating World Space Week, adopting the national theme “Space Science & Technology for Saving Lives” in order to highlight how space science and technology make it possible to forecast natural disasters, locate critical areas, initiate rescue operations, and manage the consequences of those disasters and other phenomena. The World Space Week activities were aimed at mobilizing institutions and organizations to sustain the interest of young science and

technology students and providing teachers and others with opportunities to advocate the peaceful uses of space technology.

The overall implementation of the 2006 World Space Week celebration was coordinated by the Science Education Institute (SEI) of the Department of Science and Technology (SEI-DOST) with the leadership of Dr. Ester B. Ogena as the National Coordinator. The National Advisory Committee on the Philippine Space Education Programme (NACPSEP) chaired by Dr. Graciano P. Yumul, Jr., DOST Undersecretary, was responsible for planning and implementing the week-long celebration. The celebration was also a collaborative effort by the Philippine Council for Advanced Science and Technology Research and Development (PCASTRD), the Philippine Institute of Volcanology and Seismology (PHIVOLCS), the Philippine Atmospheric, Geophysical & Astronomical Services Administration (PAGASA), the University of the Philippines (UP) National Institute for Science and Mathematics Education Development (NISMED), the UP Training Center for Applied Geodesy and Photogrammetry (TCAGP), the UP College of Education, the UP Astronomical Society, the National Mapping & Resource Information Authority (NAMRIA), DZMM-ABS-CBN and ABS-CBN Foundation, Inc.

The World Space Week activities were held in various institutions in Metro Manila and in selected regions of the country.

Activities in Metro Manila:

- University of the Philippines Training Center for Applied Geodesy and Photogrammetry, College of Engineering (UPTCAGP), 4 October: The opening ceremony of World Space Week 2006 in the Philippines was held at the College of Engineering Theater and was attended by the UP Vice-Chancellor for Academic Affairs who delivered her message, Dr. Graciano P. Yumul, DOST Undersecretary delivered the speech for the DOST Secretary, Dr. Leticia Shahani, other members of the National Advisory Committee on Philippine Space Education Program and other UP Officials. A water-rocket model was launched as part of the ceremony, which was followed by a competition on search and rescue using remote sensing, in which high school students and their teachers participated.



- University of the Philippines College of Education (UPCed), October 4: A lecture on “Detection and Management of Oil Spills in Guimaras” was given, with experts from NAMRIA as resource speakers. They shared their experiences relating to the sunken M/T Solar 1 Vessel, which caused an oil spill near the coastal town of Guimaras in August 2006. A further lecture was given by Dr. Edgardo Aban, member of the NACSPEP, on space technology and its applications in daily life. The lectures were attended by students, science teachers (elementary, high school and college) and media.

- Philippine Atmospheric, Geophysical & Astronomical Services Administration (DOST-PAGASA), October 5: Activities included a poster-making contest, an open house/educational tour at the Weather Forecasting Bureau and Planetarium, and lectures on weather forecasting using meteorological satellites and disaster monitoring using satellites. High school students and teachers from the public and private schools of Metro Manila participated in these activities.
- Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS), October 6: Lectures and presentations on the use of ground positioning satellites for earthquake and volcano monitoring and the use of space imageries for the assessment of geologic hazards were given by scientists of PHIVOLCS. In addition, an educational tour of the PHIVOLCS facilities and museum was organized. Some 80 high-school students and teachers from both public and private schools attended.
- DZMM – ABS-CBN Radio Station, October 8: Through the partnership of SEI with the ABS-CBN Foundation and DZMM, Pinoy SciTek Challenge “Space Science Edition” at the Bago Yan Eh Radio Programme was broadcast live on radio. Five high schools from Metro Manila participated in the contest.



- University of the Philippines National Institute for Science and Mathematics Education Development (UPNISMED): A skywatching session was held and a lecture on binocular astronomy was given on the evening of 6 October, organized by NISMED staff with the assistance of the UP Astronomical Society. A total of 59 students and teachers from public and private high schools in Metro Manila visited the NISMED

Observatory to participate in the sky-observing activity. The participants were given handouts featuring relevant astronomy issues. On 10 October, UPNISMED also served as the venue for a rocket-model launching competition and the closing and awarding ceremonies. Fifteen schools participated in the competition. The students competed in the accuracy and length of distance categories, while the teachers competed only in the accuracy category. At the closing and awarding ceremonies, the winners of the Search and Rescue Competition, Poster-Making Contest, Space Science Quiz and Rocket Model Launching Competition were awarded cash prizes. Former Senator Leticia R. Shahani, Consultant of NACPSEP and an advocate of the space education programme, gave a closing address.

Regional activities:

- Zamboanga City: The Don Lorenzo Memorial High School held its World Space Week regional celebration on 9 and 10 October. A total of 85 elementary and high school students and 28 teachers from the host school and nearby schools in Zamboanga City took part in the celebrations. Activities included lectures on space science and its benefits to humankind and on astronomy, a launch of a water-rocket model by each

participating school, the screening of a film entitled “Deep Space Explorer”, and a stargazing and moon-watching event using the two Meade telescopes donated by the United States National Space Society in 2004.

- **Philippine Foundation for Science & Technology:** The Philippine Science Centrum held a one-day activity on 9 October with the assistance of the Philippine National Museum-Planetarium Division. A lecture demonstration explaining the various facets of astronomy and related technologies was offered free of charge to PSC visitors. Groups of 30 students per session attended the 20-minute lecture. Other activities included an open house at the Earth Science Gallery and the screening of a documentary film on constellations. A total of 500 participants, including teachers and parents, benefited from the activities.
- **Bicol Science and Technology Centrum, Naga City:** An open house was held in the astronomy and other science galleries from 4 to 10 October, with the participation of elementary and high school students, teachers and the general public.

3.2.12 Republic of Korea



Model Rocket Launch Contest: On 14 October, the Korea Aerospace Research Institute (KARI) and Young Astronauts Korea (YAK) hosted the National Model Rocket Contest, in which 600 students who had qualified in 13 regional competitions worked together to build and launch their own rocket. A total of 14 winners from each category were awarded prizes by the Ministry of Science and Technology. This year, a water rocket contest was added to the category, and 200 participants enjoyed watching the rockets flying in the blue sky.

Space Olympics: Starting on 14 October in Daejeon/Chungnam and Kangwon, Young Astronauts Korea hosted the annual nationwide “Space Olympics” space festival.. Thousands of students took part in various competitions, such as water rocket, glider and air balloon contests and space drawing/writing. Parents also participated in the festival and had great fun with the children. For more information, please visit www.yak.or.kr or www.kari.re.kr.

3.2.13 Singapore

Science in the Café: “Putting a Singaporean on the Moon by 2050” was the inaugural event of World Space Week 2006, held on 4 October at the Singapore Science Centre. The session was co-hosted by the Singapore Science Centre and students of the Diploma in Business Finance and Systems Engineering of Temasek Polytechnic, Singapore. The café provided an interesting forum for interaction among participants from all walks of life. The discussions were lively and thought-provoking and provided participants with an opportunity to express their views on Singapore’s quest for space exploration.

The Singapore Science Centre also hosted several events in celebration of World Space Week, including an astronomy workshop led by the Astronomical Society of Singapore (TASOS) at its observatory on 6 and 13 October, space simulator rides, the screening of a film on Mars, entitled “Roving Mars,” and workshops at the Robotic Learning Centre on designing rovers for exploring the Martian surface and on rockets.

3.2.14 Thailand

A space art contest was held by Geo-Informatics and Space Technology Development Agency (GISTDA) on 4 October to celebrate World Space Week, GISTDA held a space art contest on the theme of "THEOS Satellite and My Life." The results were announced in December and an award ceremony was held in January to coincide with National Children's Day. The awards were presented by the Deputy Minister of Thailand and the Minister of Finance.



3.2.15 Vietnam

Building on the success of World Space Week 2005, the Vietnam Amateur Club of Astronomy continues to organize the activities held to celebrate this event. Information about World Space Week and the theme for 2006, “Space for Saving Lives”, was translated into Vietnamese and disseminated through the Club’s website and on posters.

The Vietnam Astronomy Festival 2006 was held on 8 October at the Vietnam Physics Institute, with the participation of many Vietnamese astronomy enthusiasts. The Festival consisted of the following:

- Introduction of World Space Week and this year’s theme;
- Brief history of astronomy;
- Introduction of space applications that play an important role in our lives;
- How to make a simple telescope.

The activities were intended not only to introduce and disseminate astronomy but also to encourage attendees to participate in the Space Age, especially Vietnamese young people.

3.3 Europe

3.3.1 Austria

The United Nations Information Service (UNIS), in cooperation with the United Nations Office for Outer Space Affairs (OOSA) and the Austrian Aeronautics and Space Agency,



invited 50 children from a primary school in Vienna, Austria, to celebrate World Space Week 2006 at the United Nations in Vienna on 10 October. The children, aged six to 10, visited a United Nations conference room and the OOSA permanent space exhibit, where they were briefed by experts of the Austrian Aeronautics and Space Agency on how satellites work, and how satellite technology can help solve problems on Earth.

Following this introduction, the children held a Model United Nations Conference on Outer Space – each child representing a different country, – at which they discussed whether a limited budget should be spent on building a hotel in outer space or for buying more satellites to monitor the deforestation of the rainforest and help solve environmental problems on Earth. After a lively discussion, the Conference voted in favour of

buying more satellites. The children were awarded certificates of participation by OOSA and given souvenirs sponsored by OOSA, the European Space Agency, the United States National Aeronautics and Space Administration (NASA) and the Austrian Aeronautics and Space Agency.

The AustroMars Science conference was held at the University of Salzburg as the closing event of the AustroMars Mission, which took place at the Mars desert research station in Utah, simulating a 14-day stay of six Analog-Astronauts astronauts on Mars. At the conference, 40 national and international scientists discussed the scientific results of this very successful Austrian mission.

At the same time, Marsnight 2006, organized by the Austrian Space Forum, was celebrated in Hallein. It was a mixture of exhibition and show, focusing on the exploration of Mars. The AustroMars Analog-Astronauts discussed the peaceful exploration of Mars and the solar system, and special lectures were held.

In St.Poelten in Lower Austria, a Mars exploration lecture was hosted at a high school in conjunction with a small exhibition on Mars exploration. In the evening, during a benefit event, a very special cake, the "Marscake", was presented by a confectioner..

In Salzburg, experts from the Austrian Space Forum gave a two-day public course on astronomy and space exploration.

3.3.2 Bulgaria

Bulgaria celebrated World Space Week 2006 with the following programmes:

- Opening ceremony of World Space Week at the astronomical observatories and planetariums;
- A children's party in which the children participated in a celestial voyage in the planetarium, made paper rockets and participated in a space picture competition. The young participants were dressed as robots, extraterrestrials and astronauts;
- Exhibition-contest of space pictures by children in the Alley of Cosmonauts in the Maritime Garden;
- Teacher training workshop on space;
- Student debates on space;
- Star seances in the Planetarium in Varna; star travellers;
- A series of lectures on astronautics were given at the Planetarium in Varna;
- Observations of Venus and the Sun for students and teachers were conducted during the week.



3.3.3 Czech Republic

The Czech Republic participated in World Space Week for the fifth time, thanks to the support of the Czech Space Office (CSO). More than one hundred events in dozens of locations directly targeted several thousand people, and many more were reached through media coverage of World Space Week.

- Activities in schools: Interest in World Space Week has increased greatly in schools, with participation estimated to have doubled compared to previous years. The broad range of school activities included radio broadcasting, small exhibitions, articles in school magazines and on intranet pages, lectures by



teachers and specialists and visits to public observatories. Some schools held very successful visual arts competitions, with the winners awarded prizes supplied by CSO.

- **Activities at public observatories:** World Space Week in the Czech Republic continues to focus strongly on public observatories. In 2006, World Space Week was celebrated at observatories in Valasske Mezirici, Hradec Králove, Uhersky Brod, Upice, Prostejov, Vsetin, Pardubice, Hradec u Nechanic. Activities largely took the form of public lectures and exhibitions, and the observatories published information relating to World Space Week in their bulletins.
- **Activities on the Web:** World Space Week 2006 was covered by numerous sites on the Czech Internet. The main site was at www.czechspace.cz/skt (with regularly updated lists of scheduled events). A special web-event for World Space Week 2006 was the launch of the website www.kosmo.cz/laik (a space-oriented website) in the Czech language.
- **Activities in the media:** In 2006, for the first time, World Space Week 2006 acquired a media partner: “Lidove noviny”, one of the largest newspapers in the Czech Republic (with an average daily circulation of 120,000 copies). World Space Week was also broadcast on many radio stations (including countrywide stations such as Český rozhlas Leonardo, Český rozhlas Brno and Rádio Proglas).
- **Other activities:** The non-profit sector played a key role in World Space Week. The associations Kosmos News and Kosmo Klub participated actively in the event, thereby promoting World Space Week in a variety of ways.



World Space Week 2006 was a successful continuation of the tradition observed in past years. CSO also helped to establish a large number of new activities. The increasingly broad scope of this annual celebration is very promising, not only for the jubilee year 2007, but also for years to come.

3.3.4 Greece

World Space Week was celebrated in Greece for the first time. The following events took place:

- Eugenides Foundation Planetarium hosted a series of events to celebrate World Space Week.

- The leading event of World Space Week 2006 was the exhibition of C. Dionysatos' vast collection of approximately 10,000 space stamps from 330 countries, dating from 1957 to 2003. The collection also included many first day envelopes and covers and special commemorative series from NASA, ESA, Soviet and later Russian space programmes.



- An art exhibition entitled “Multiverse”, by Apostolos Kilessopoulos, was organized, comprising paintings and installations inspired by space exploration and cosmological quests. The public was greatly enthused by both the artwork and the ideas that motivated the artist.
- A special planetarium show was presented with an original music score by the famous Greek composer Mimis Plessas, with the title “Dance of the Planets”. The show took the spectators on a journey through manned and unmanned solar system exploration.
- The Eugenides Foundation also presented their new shows on black holes and dark caverns, which attracted further media attention.

The Society for Astronomy and Space held a special event in the city of Volos to honour the students who participated in and won the National Student Space Contest. The first two students won a visit to NASA's Space and Rocket Center in Huntsville, Alabama. After the award ceremony, a public talk was given by the university professor of Space Physics, P. Preka (University of Athens), entitled “To Mars and Beyond”, which presented planet exploration orbiters and probes.



Greece hopes to raise awareness of space in schools and among the general public through the 2007 celebrations of the fiftieth anniversary of the first space mission.

3.3.5 Hungary

Space Day 2006 was organized by the Hungarian Space Office and the Hungarian Astronautical Society. The public event was partly for professionals, partly for a general audience, with particular emphasis on undergraduate students. The annual event attracts several hundred participants. Space Day 2006 was held in the House of the Future, which has a permanent exhibition on space research (astronomy from space, space applications, space history, research of the Red Planet, etc.).

The Hungarian Space Office organised the Sixth Youth Forum as a student conference on possibilities for participation in space research. The students presented the results of their science studies and of their participation in international space programmes such as the student satellite programme (SSETI) of the European Space Agency (ESA).

The Hungarian Astronautical Society announced the launch of its annual essay competition for young people. The first prize was a visit to the Space Camp in Huntsville (Alabama, United States of America) for the two best entrants. In the year 2007, the topic will be the fiftieth anniversary of the launch of Sputnik 1. The Society also organized the Hungarian Space Camp in the small town of Szentlélek.

The Planetarium Kecskemét and the TIT Planetarium Budapest celebrated World Space Week with special programmes and presentations on space research.

The Spaceweek International Association sent posters to Hungary for distribution among Hungarian schools and institutes. In schools, student astronomy groups gave presentations on World Space Week. The Institute of Geodesy, Cartography and Remote Sensing also organized and hosted a conference on the history of space research.

3.3.6 Ireland

4 to 10 October: The annual programme by Space Encounters to roll out access of rural schools to space education resources resumed during World Space Week 2006, focusing on central and western Ireland. Schools and libraries hosted visits by mobile planetaria and speakers who covered a range of topics.

6 October: The launch of a major educational supplement was announced by Nova Education in association with Astronomy & Space magazine. The supplement dealt with issues of interest both to educators and to students, with emphasis on astronomy in education, third level training and science and astronomy careers, and was distributed to schools and colleges across Ireland.

9 October: A public lecture was held at Trinity College Dublin, entitled "Mars – our Origin and Destiny". The speaker was Kevin Nolan of the Planetary Society.

3.3.7 Italy

Italy participated in World Space Week for the third time. As in previous years, ODISSEOSPACE (www.odisseospace.it) was the main organizer of Italian participation. Various educational programmes and lectures were planned and organized for the general public during the World Space Week period, which were attended by hundreds of participants. In total, some 1,000 participants attended all lectures, especially young people from primary and high schools, and their interest is an encouraging indication for the future.

Lectures were held on such topics as “Remote Sensing: how space helps in saving lives”; “The International Space Station: a research space lab on life”; and “Satellites: brief history, systems, missions”.

The conferences involved two comprehensive schools: the “International European School *Altiero Spinelli*” in Turin, Piedmont; the institute “Paolo Sarpi” at Settimo Milanese (Milan), Lombardy; the Telecommunications and Electronics Technical Institute “A. Righi” at Corsico/Milan and the Aerospace Technical Institute “C. Grassi” in Turin (Piedmont). They were held by Massimo Auci, a professor in astrophysics, Luigi Fontana, a physician, and Laura Proserpio, a space engineer.

The first conference was on “Remote Sensing: how space helps in saving lives.” The theme of the second conference was “The International Space Station: a research space lab on life.” The theme of the third conference was “Satellites: brief history, systems, missions.”

Science laboratories were held in various schools. The pictures below show a very special laboratory on mathematics and astronomy, held by Mari Cultrera, a mathematics teacher in Milan. The course was organized by the Education Centre of the Milan City Council and the cooperative “Diapason”, and was addressed to young students, mainly of Chinese origin, with very limited knowledge of Italian. The pictures show the construction of paper

L'astronomo in classe a parlare dello spazio

SETTIMO. (ap) Si è aperta la Settimana mondiale dello spazio, proclamata nel 1999 dall'Assemblea Generale delle Nazioni Unite dal 4 al 10 ottobre di ogni anno. Le date commemorano le pietre miliari dell'ingresso dell'umanità nello spazio: il 4 ottobre 1957 è la data del lancio del satellite russo Sputnik I, il primo satellite costruito dall'uomo, mentre il primo Trattato internazionale dello Spazio ("Outer Space Treaty") è entrato in vigore il 10 ottobre 1967. "La Settimana mondiale dello spazio - spiega l'assessore Giovanna Cipressi - rappresenta una celebrazione internazionale dei contributi che lo spazio, la scienza e la tecnologia portano al miglioramento della condizione umana. Durante la Settimana si svolgono in tutto il mondo eventi e programmi didattici sul tema dello

spazio. Il tema di quest'anno è lo spazio: una risorsa per salvare vite umane. Questa tematica permetterà di elaborare programmi didattici per una riflessione sui molti modi in cui lo spazio aiuta a salvare vite umane sulla terra: dalla previsione e gestione delle catastrofi (come in occasione del dopo-tsunami in Asia, per i terremoti e le inondazioni), alla telemedicina, alla protezione ambientale, alla ricerca medica in microgravità. Coordinatore nazionale per l'Italia è Odisseospace, che proporrà il 10 ottobre all'Istituto Comprensivo di Settimo un incontro fra gli alunni un esperto in astronomia, il dottor Luigi Fontana. L'esperto presenterà ai ragazzi il fascino dello spazio, per promuovere curiosità e contribuire a diffondere conoscenze scientifico-astronomiche.



models of the Earth and the Sun and some drawings by the children depicting space and interplanetary flight.

Throughout the week, World Space Week was promoted in the press and media, as well as on the ODISSEOSPACE website (www.odisseospace.it) and on the websites of the schools involved, including information on the outcome of those celebrations.

3.3.8 Norway

Members of the Women's International League for Peace and Freedom issued a press release and delivered a letter to Norwegian officials demanding their active participation in demilitarizing space. They also delivered a letter to the United States Ambassador calling for space demilitarization.

3.3.9 Poland

The main educational events linked to World Space Week 2006 were held once again in Olsztyn, organized by the Planetarium and Astronomical Observatory of that city. The Geodesy and Satellite Navigation Department of the University of Warmia and Mazury organized a scientific conference of the Polish Committee of Space Research on the problem of using GPS for tools for rescue workers in major lake areas.

In addition to the main events organized and sponsored by the Polish Academy of Science, activities were held at the local level, including lectures, exhibitions and other educational events in planetariums, schools and universities all over Poland.

During World Space Week, Polish television channels and radio stations presented many programmes and interviews about the space technologies that help to save lives on Earth. World Space Week 2006 was considerably promoted in the media, which helped to spread the idea of space education.

3.3.10 Russian Federation

The Russian Federation celebrated World Space Week in the following ways:

- On 3 and 4 October, "Days of Space Science" were held at the Space Research Institute in Moscow. On 3 October, there was a press conference on "Experiments in space: new results, what's ahead – from orbital telescope to Mars expedition". On 4 October, several reports were presented on radio astronomy and space geodesy, the nature of dark matter, background X-ray radiation, shock waves in space, "The Moon: current problems and perspectives" and "Humans in Space: Hopes and Issues".
- On 4 October, the Astronomy and Space Department of the Moscow State Department for Youth Creativity conducted "Debates on Space", a series of meetings of more than 150 Moscow high-school students with scientists and experts from the space industry. Students were able to pose questions on space exploration and received feedback from industry experts which will be used in implementing the project "Experiment in Space", which has been administered by the Astronomy and Space Department for the last two years.
- World Space Week was celebrated in Kaliningrad at the World Ocean Museum, beginning on 4 October and featuring various



events, seminars, lectures and programmes. The space communication sea vessel “Cosmonaut Victor Patsaev” was featured in a special exhibition dedicated to landmark achievements and events in the history of Russian cosmonautics.

- On the evening of 4 October, a meeting of 40 teams of young cosmonaut clubs was held in the Center of Youth Creativity in Novocheboksarsk, Chuvashia region. Two hundred and fifty students competed in various disciplines, including astronomy, history of Russian cosmonautics and aviation. The Young Cosmonauts movement was established in the Chuvashia region last year.
- On 6 October, the “Best Young Engineer of the Year” award ceremony was held. The aim of such contests is to attract young engineers to the space industry and encourage them to develop their skills to reach the level of expertise required by the space industry. A report of the event can be found at <http://rniikp.ru/ru/about/prensa/2006-10-10.htm>.



- On 9 October, a round table on “Problems of commercialization of space technologies on the fiftieth anniversary of the first Earth satellite” was held within the framework of the second annual conference on “Priorities of scientific/technological and innovative development of the region”, which was held in Saint Petersburg. The topics discussed included trends in the development of the space industry and prospects for space exploration.
- A scientific and technical conference was held from 10 to 12 October, at which more than 260 reports were presented on topics such as satellite navigation systems, space telemetry, ground control centres, space communication, Earth remote sensing, new technologies in space and search and rescue systems. More than 200 scientists and experts from the space industry, representing 87 enterprises and 11 Russian ministries, took part in the event.



- Several World Space Week events also took place in Russian Institute of Space Device Engineering.

3.3.11 Spain

Spain's celebration this year was enhanced by the International Astronautical Congress (IAC), held in Valencia during World Space Week. The event was reported in a number of newspapers, in interviews and on television programmes, which significantly broadened its impact.

In order to reinforce the objectives of the celebration, Instituto Nacional De Tecnica Aeroespacial (INTA) held a national competition for students on "50 years of space adventure". The initiative, intended to commemorate, in 2007, the launch of Sputnik, was launched simultaneously in major Spanish cities during World Space Week, with the support of governmental agencies, industries, science museums and other organizations.



As in previous years, some outreach activities were implemented both for the media and for the general public. Information materials on World Space Week were distributed, including posters and other printed materials in schools, public places and museums.

A series of conferences were held under the generic title "Second World Space Week in the Canary Islands", sponsored by the regional government with the support of local organizations. The event was opened by Mr. Cayetano Santana, President of the Mars Society Spain, who stressed the objective of sustaining the initiative in the future. Lectures highlighted how space technology contributes to saving lives, in line with the World Space Week theme.

3.3.12 Switzerland

Switzerland celebrated two Space Days close to World Space Week on 22 and 23 September 2006. The Swiss Space Days were held in Payerne, with emphasis on zero-gravity. Swiss students had flown several zero-gravity parabolas and reported on their experiences. Swiss astronaut Claude Nicoller also talked about his many experiences, and participants were able to converse directly with ESA astronaut Thomas Reiter at the ISS.



3.3.13 United Kingdom

As part of World Space Week 2006, Armagh Planetarium launched its latest initiative, the Northern Ireland Space Office (NISO). The Space Office is being jointly funded by Space Connections (a member of the Yorkshire Forward Regional Development Agency) and the Council for Curriculum, Examinations and Assessment (CCEA) in Northern Ireland.

As part of World Space Week 2006 celebrations, NISO worked with Queen's University Belfast (QUB) to coordinate the 'Space Odyssey' event. Robert Hill gave a presentation on

the history of Earth Observation, after which pupils from local schools were invited to examine raw EO data and generate their own images using the ESA Leoworks software. Professor Alan Fitzsimmons from QUB gave presentations about his role as a professional astronomer and the possible careers available to graduating students. Pupils had the chance to access the Faulkes Telescopes, sited in Hawaii and Australia, via the university computer network. Over 500 secondary school pupils and teachers participated in the events throughout the week.



To celebrate World Space Week, the Particle Physics and Astronomy Research Council (PPARC) funded “Star Trackers”, which included a variety of activities and events from 2 to 20 October at the Bristol Planetarium. Professional and amateur astronomers were on hand to engage and inspire visitors of all ages, while in the Live Science zone there were fun hands-on activities, including moon sample and meteorite handling sessions. There was a “Meet the Astronomer” session, special activities on space stations and space “news and views” sessions.

The Global Network Against Weapons and Nuclear Power in Space held meetings, showed videos, and/or conducted public demonstrations in Brigend in Wales, Brackley in Yorkshire and London.

3.4 North America & the Caribbean

3.4.1 Canada

The Canadian Space Agency participated in the IAC 2006 during World Space Week, facilitating the attendance of 20 Canadian students at the conference in Valencia.

A presentation was given at SARSCENE 2006 in Gatineau, entitled “Space to the Rescue” by Jim King, Director of Major Satellite Communications Programs at the Communications Research Centre. The presentation provided information for delegates on the latest developments in the international search and rescue satellite system. Mr. King brought satellite equipment for outdoor displays which were open to the public on 7 October.

3.4.2 Cuba

Cuba’s celebration of World Space Week 2006 included the following activities:



- Nocturnal observations by delegates of the Congress of the Organization of Pioneers of Cuba;
- Fifth Workshop on Outer Space and its Peaceful Uses;

- World Space Week posters were distributed to numerous centres, museums and schools and to some delegates to the Congress;
- Amateurs of astronomy belonging to different groups from Havana hosted a session of familiarization with astronomy on the night of 7 October at the National Museum of Natural History, which was attended by more than 500 adults, children and newspaper reporters. Despite adverse weather conditions, the full moon could be observed and admired, and many attendees looked through telescopes for the first time in their lives. The audience enthusiastically received a number of talks by an amateur astronomer, who was assisted by the planetary software Stellarium displayed on a large screen. Images of the moon were transmitted from a webcam in real time. Other amateurs lent their telescopes to other participants, answered questions from members of the public and helped the Museum staff in other ways.
- On 9 October, a further astronomy meeting was held in the historical school of San Carlos and San Ambrosio, organized by the Debate and Reflexion Group of that school and the ProAstronomy Amateur Group of Havana City. The well known Cuban astronomer Oscar Álvarez Pomares gave an informal talk about his experience as participant in the recent sessions of IAU held in Praga, where the definition of “planet” was discussed. Following the meeting, the moon was observed through a telescope.
- From 5 to 7 October in Metropolitana, Taíno and Progreso, radio stations (including two with national coverage) broadcast informative talks covering World Space Week activities.

3.4.3 United States of America

Nationwide events

- Teachers used space in the classroom during World Space Week to excite students about mathematics, science, language, arts and other subjects. Special activities featuring a book by science fiction author Robert Heinlein were provided to science and language arts teachers in both English and Spanish.
- Space Explorers held a nationwide World Space Week essay contest, in which students explained why they thought space exploration was important and why World Space Week was celebrated.
- The Global Network Against Weapons and Nuclear Power in Space, the Women’s International League for Peace and Freedom, Citizens for Peace in Space and related groups held events during World Space Week to promote the non-militarization of space. These events, which took place in 16 states and the District of Columbia, included lobbying, meetings, protests, vigils, screening of space documentaries and literature distribution.

Colorado

- The University of Colorado and the Fiske Planetarium in Boulder celebrated World Space Week on 5 October. Astronomy and planet sciences graduate student Matt Benjamin presented a "Guide to Colorado Skies", with special emphasis on this year's

World Space Week. Mr. Benjamin discussed scientific breakthroughs at the international level.

Florida

- Nigerian student Stella Felix flew onboard a Zero-G airplane from the NASA Kennedy Space Center on 23 September. The event received extensive global media coverage, as Stella was the first student to fly in weightlessness as part of the World Space Week Youth Inspiration Project of World Space Week Association. Her flight was sponsored by TerreStar Networks. World Space Week Association plans to fly students from many countries on a weightless flight during World Space Week 2007. For more information, please see the special section on page 1 of this report.

North Carolina

- For World Space Week, North Carolina A&T State University held its Winter Space Science Institute for Faculty/Teacher-Student Teams. The objectives of the two-day institute were to celebrate World Space Week, address several competencies of the National and the State Science Content Standard, discuss the No Child Left Behind Act and introduce new teaching and learning technologies for science. The event introduced an experimental and data analysis platform that is used to measure physical quantities such as kinematics and thermodynamics. Participants received NASA educational packages.

Pennsylvania

- The Franklin Institute held its annual World Space Week celebration from 30 September to 6 October. Following extensive renovations, the Bloom Observatory reopened on 30 September. The festivities kicked off with Steve Squyres, Mars Rovers Principal Investigator and author of "Roving Mars". On 1 October, visitors toured a real NASA Lunar Lander Module, observed the sun and solar energy with Chief Astronomer Derrick Pitts, visited members of local astronomy clubs and even built their own alka-seltzer rockets. Steve Squyres revealed the mysteries of the Red Planet during a presentation presented by Lockheed Martin. Greg Olsen, one of the world's first paid space travellers, was on hand to provide a fascinating presentation about his very expensive vacation to the International Space Station. Visitors also saw live science demonstrations, "Space Boot Camp" and "Life in Space". The celebration continued with the launch of the Galactic Adventure Experience school trip package on 2 October. Throughout the week, students met one-on-one with Astronomer Derrick Pitts, took an astronomy scavenger hunt and were among the first to visit the newly refurbished rooftop observatory for some sun watching. Students also took part in "The Life and Death of a Star" workshop, which catapulted them into space!

Texas

- The Houston Parks and Recreation Department celebrated World Space Week on 5 October. During the celebration, the history of the Gragg Building, which was formerly a NASA facility and now houses the Department's headquarters, was commemorated, and plans for the renovation of the 50-year-old building were announced.

- World Space Week 2006 heralded the tenth year of participation for the Museum of Texas Tech University (TTU) in Lubbock, Texas. Over the course of the week, 434 participants attended activities including special planetarium shows in the recently renovated Moody Planetarium for the TTU College of Education pre-service teachers, special presentations of Pink Floyd's "Dark Side of the Moon"



laser show and a special version of the TTU monthly astronomy programme "What's Up?" This monthly programme provides a brief introduction to the night-time sky. For World Space Week 2006, the entire "What's Up?" programme was held outside. Activities included an International Space Station demonstration, highlighting its distance from Earth, speed of orbit, how it was launched and everyday items used on the Space Station. Other activities during the "What's Up?" programme for World Space Week included safe solar viewings of the setting sun and telescope viewings of the first quarter moon. The week culminated with World Space Week Family Day on 7 October. The day began with a family workshop emphasizing the wonder of the Moon, the solar system and constellations. Participants simulated a scale model of the solar system on the sidewalk, simulated the phases of the moon on a stick and built a star finder. The day continued with fun astronomy crafts, including "paper plate orbiters," "glitter galaxies" and "astronaut paper dolls". Cosmic games included "lunar lander target practice." Telescope demonstrations were given by members of the South Plains Astronomy Club (SPAC) and TTU West Texas Jet Propulsion Laboratory (JPL) Ambassador Tom Heisey. Delicious refreshments made the day complete.

Washington, DC

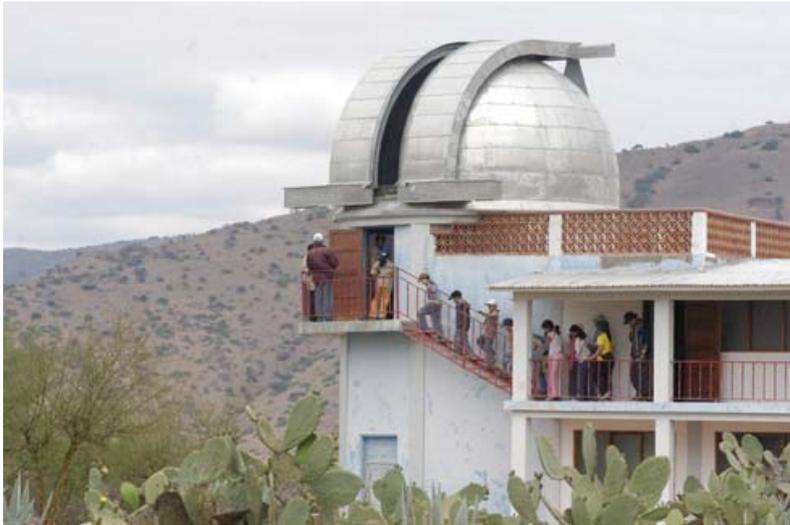
- United States space leaders celebrated World Space Week at a special reception held at the Cosmos Club on 25 October. Speakers included Rex Geveden, NASA Associate Administrator, and Robie Samanta Roy, White House OSTP Assistant Director for Space and Aeronautics. Courtney Stadd was honored for his two years of service as Chair of World Space Week Association. This gala event was sponsored by the United States GPS Industry Council.



3.5 South America

3.5.1 Bolivia

For the fifth consecutive year, World Space Week in Bolivia has been celebrated with various astronomical activities. This event is organized each year by the National Coordinator, Dr. Rodolfo Zalles B., who is Director of the National Astronomical Observatory in Tarija, with the support of staff from the Observatory, the Juan Misael Saracho Autonomous University, the Prefecture of the Department of Tarija and the Bolivian Astronomical Association.



A full programme of activities for World Space Week 2006, organized on the theme “Space for saving lives”, attracted extensive participation in celebration of human achievement and knowledge gained to date in the conquest of space.

It began on the afternoon of 4 October with the arrival of students from two rural schools who had heard through the media about the celebration of World Space Week at the National Astronomical Observatory.

On the evening of 5 October, a company from the Chorolque first engineer regiment arrived promptly for a date with the stars, to do some sky watching and learn about the astronomical work carried out by the National Astronomical Observatory and about World Space Week.

On 6 October activities began with the cubs from the Tarija district scout troop, 100 of whom camped in the grounds of the National Astronomical Observatory for their district cub camp reunion “Acandilo 2006”, taking part in stargazing parties until 8 October, with individual visits taking place alongside the various astronomical activities for the young scouts.



The arrival of Dr. Jesús Calderón, an astronomer from the Observatory of Córdoba National University, during the evening of 7 October and the presence of the Russian astronomers Dr. Irina Guseva from the Pulkovo Observatory and Stanislav Korotki from the Ka-Dar Observatory added a further dimension to the celebration of World Space Week in Tarija.

Staff from the Museum of Archaeology and Palaeontology, which is part of the Juan Misael Saracho University in Tarija, visited the Observatory on 8 October, reinforcing the bonds of friendship between the two institutions, which work to promote culture, science and tourism in Bolivia.

On 9 October, the city's newspaper *El País*, which is distributed nationally, published an article listing the week's activities. Television and radio stations gave special coverage to the event, which, as hoped, encouraged impressive attendance by members of the public that evening.

A major training workshop given by Dr. Jesús Calderón on astronomical observations for Observatory staff began on 10 October and continued until 13 October. On the evening of 10 October, we were fortunate enough to have a perfectly clear sky for the farewell celebrations of World Space Week 2006 in Tarija for our visitors, with telescope viewings, guided tours, video shows and talks on astronomical topics.



On 11 October, Dr. Jesús Calderón gave a lecture entitled "Life and the Cosmos" in the auditorium of the Juan Misael Saracho University in Tarija. Aimed at the general public, the lecture was attended mostly by young students. A "learning to observe" workshop sponsored by the District Directorate of Education and the Juan Misael Saracho University was held on the mornings of 12 and 13



October for teaching staff from Tarija's schools, proving successful with the active participation of teachers in the sessions on learning to view the sky. During the evening of 13 October, the Argentine astronomer gave a lecture entitled "A Vision of the Cosmos" in the Planetarium's main hall for students and the general public, who attended this gathering

at the National Astronomical Observatory in large numbers, bringing to a close our distinguished guest's important participation and the commemoration of World Space Week in Tarija with resounding success.

World Space Week 2006 In The City Of Cochabamba:

In association with the National Astronomical Observatory in Tarija, members of the Cruz del Sur Amateur Observatory in the city of Cochabamba, under the leadership of Gonzalo Vargas, carried out a series of activities to commemorate World Space Week from 4 to 10 October, as a report from the city describes: "We decided to hold public observation evenings on 7 to 10 October. Many people viewed the stars by telescope for the first time, for which purpose we had installed four reflective telescopes. We were asked many questions on topics ranging from black holes, wormholes and time travel to the cost of telescopes, how they were made and how to start observing the sky," the report continues. "We explained to members of the public attending the observations why World Space Week was being celebrated, putting emphasis on this year's theme, 'Space for Saving Lives'," it concludes.

The enthusiasm displayed by this amateur astronomy group from Cochabamba is certainly worthy of imitation. The commemoration of World Space Week in this city, with astronomical observations that attracted many people, was given prominence by the media, which applauded the initiative.



Scouts And World Space Week In Tarija:

The Tarija district scout troop's active participation in the celebration of World Space Week 2006 calls for particular mention. With their leaders, 70 cubs aged between six and ten camped in the grounds of the Observatory over three days to hold their annual district

cub camp reunion. Cubs are the youngest members of the scouting movement; their activities are designed to encourage imagination and creativity and they learn largely through play within a symbolic framework based on Rudyard Kipling's *The Jungle Book*. The name cub scout comes from the young wolves, or cubs, who accepted Mowgli, the book's main character, into their pack and taught him the law of the jungle.

The young scouts took part in star gazing parties, where, with the help of our specialist staff, they learnt to observe the sky, became familiar with the configuration of the constellations and used viewing telescopes. There was an impressive full moon throughout, which lent the camping event a special atmosphere. We are sure that the youngsters will retain what they learnt and will view their world differently from now on.

Our thanks and congratulations go to the Tarija district scout troop leaders, represented by Mr. Juan Pablo Orellano, who devote themselves fully to others, organizing activities that encourage a spirit of solidarity and commitment in our present society's children to make them good adults of the future.

World Space Week 2006 in Bolivia and the activities organized jointly with the Prefecture of the Department of Tarija, the Juan Misael Saracho Autonomous University and the Bolivian Astronomical Association achieved the desired success, thanks to the high levels of attendance and participation at the event.

3.5.2 Brazil

On 10 October at Maranhão State University, Dr. Tania Sausen of Instituto Nacional de Pesquisas Espaciais – National Institute of Space Research (INPE) gave a lecture on remote sensing of natural resources. She also gave a presentation to undergraduate students on the objectives and theme of World Space Week and ways in which to celebrate the event, and a further presentation on remote sensing for natural disasters and extreme events. Around 100 students attended these activities, and the university was motivated to celebrate World Space Week next year.

The Climate Studies Laboratory of the Geoscience Institute from UNICAMP University, located in Campinas City, São Paulo State, held a round table on natural disasters on 11 October. At the round table, Dr. Maria Silvia Pardi Lacruz of the INPE-Geodestres-Sul Nucleus gave a lecture on the use of MODIS images for the study of natural disasters, including a presentation on the World Space Week celebrations, the 2006 theme and ways in which to participate in 2007. Some 70 people from different universities and research institutes took part in the event.

3.5.3 Colombia

In Puerto on the north coast of Colombia, the Unidad Porteña de Aprendizaje (UPA) celebrated World Space Week with students, teachers and parents of its school community, and disseminated information on the event to other institutions in the locality. Activities included the following:

- Space art: participants were encouraged to appreciate the immensity of the universe and the behavior of the celestial bodies;
- Space literature: participants compiled information about science fiction and space technology and discussed space-related books;



- Experiments to teach the basic steps of research and experimentation and to compile and record aspects through observation;
- Participation in the special radio programme "Space for Saving Lives", coordinated by Voz Infantil of radio station La Voz de la Costa.
- Pre-school and elementary science fairs enabling students to share their experiences of World Space Week and develop oral skills.

In Barranquilla, Voz Infantil-Hola Juventud promoted the celebration of World Space Week through its programmes on La Voz de la Costa radio station. This included special reports on World Space Week, a lecture on the history of space technology and a special radio programme and lecture on "space for saving lives."

In Bogota, Planetario de Bogota celebrated the World Space Week with great success, involving both children and adults. Events included a video on "Forum Star City", a conference on space technology for the good of humankind, rocket launches, video conferences with scientists from NASA and the screening of images from the International Space Station relating to the theme of "Space for Saving Lives."



Planetario de Bogota also organized its second Teachers' Congress on 9 October. The Congress was for teachers who have been involved in different programmes and activities advocated by Planetario de Bogota. The programme included sessions on the World Space Week 2006 theme, the didactic universe, successful experiences in astronomy education, science fiction and its pedagogic function and international support for astronomy projects.

4 Youth Inspiration Project

The World Space Week Youth Inspiration Project sends students into simulated zero-gravity to experience being in space. The goal of the project is to use the excitement of space to inspire students globally to excel in school. The students fly on a special airplane which simulates the zero gravity of space. As a pilot project, a high school student from Nigeria was flown on a Zero-G plane in 2006, attracting global media coverage. In 2007, on the fiftieth anniversary of the Space Age, World Space Week Association plans to fly students from many countries on a zero-g flight as a global media event to inspire students around the world.



World Space Week 2007 Plan

Building on the success of the 2006 pilot project (see below), the World Space Week Association will fly students from many countries on a zero-gravity aircraft during World Space Week, 4 – 10 October 2007.

This is expected to achieve massive media coverage, given the following:

- Last year, the flight of a single student, Stella Felix of Nigeria, achieved global media coverage;
- World Space Week 2007 will be the fiftieth anniversary of the Space Age. The flight will take place during the anniversary as the keynote event of the global celebration;
- Dramatic video and photography of students from across the globe floating together in zero-gravity will appeal to the print and television media.

Plan summary:

- Encouraging students from different countries to fly in zero-G during World Space Week 2007;
- Global media coverage – students in a circle holding hands in weightlessness;
- After their flight, each student will be a celebrity in their home country. A media campaign and appearances will reach additional students in their respective countries.

Benefits

- Inspires students globally to excel in education;
- Enhances international understanding among all people.

Numerous countries have expressed interest in having one of their students fly on this historic flight during World Space Week 2007. Students will be selected primarily by World Space Week National Coordinators in participating countries.

2006 Pilot Project

On September 23, 2006, Stella Felix, a high school student from Nigeria, became the first student to fly under this Project. Stella's flight achieved tremendous worldwide media coverage. Her flight was sponsored by TerreStar Networks and the Government of Nigeria. Participating in pre-flight activities were Dr. Gbenga Jegede of Nigeria and Joe Wiendl, representing the State of Florida. Stella was accompanied on her Zero-G flight by Charlene King of TerreStar Networks.



After returning to Nigeria, Stella became a national hero and continues to inspire students across Nigeria and globally to aspire through education to make their dreams come true.

Media Coverage

The inaugural flight of the World Space Week Youth Inspiration Project in September 2006 received intensive media coverage, reaching well over 100 million people around the world. Highlights of the coverage were as follows:

- One of three World Headlines on the CNN Home Page
- An Associated Press dispatch from Nigeria was used by the media in many nations
- Several BBC interviews, each reaching audiences of 20,000,000 or more

Below are the details of the coverage received:

MORE THAN A PAYCHECK
CareerBuilder: [Best perks](#)
Salary isn't the only thing to look at when deciding on a new job

WORLD
Section Page | Video | CNN.com International Edition

- [Red Cross to meet Gitmo terror suspects](#)
- [Nigerian teenager to experience space](#)
- [Israel gets 'sign of life' from captive soldier](#)

ENTERTAINMENT
Section Page | Video | Entertainment@Weekly.com

- [Jolie, Pitt give \\$2 million to humanitarian groups](#)
- [Tributes for 'Crocodile Hunter'](#)

LAW
Section Page | Video

- [Cop-killer who fought injection is executed](#)
- [Ker, offered freedom under new plea deal](#)

An "AC 360" exclus
U.N. speech, now Ir
360" with Anderson

FULL SCHEDULE

PASS THE MEAT LO
EW.com: [What we y](#)
Jeezy, Jay-Z, The Be
The Killers are amo
artists in the crystal

MAKING THEIR MAR
[Who makes an imp](#)
Who do you think ha
difference this week
• [American Morning](#)

CNN home page featured the story as a World Headline on September 20, 2006

BBC NEWS
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Space flight for Nigerian girl

A 17-year-old schoolgirl is to become the first Nigerian to experience a space flight when she takes off from the Kennedy Space Center on Saturday.

Stella Felix from the south-east was chosen from 400 Nigerian students who applied to go on a zero-gravity flight.

"I feel like an ambassador," she said before leaving Lagos for Florida. "I feel so happy to be the first."

Stella is top of her class at physics and chemistry

She will fly at an altitude of 10 km (6 miles) on G-Force One, before dropping, giving a few minutes of weightlessness.

Stella is top of her school in science subjects. Her parents earn a living selling second hand clothes.

"I'll be looking up in the sky for her," her mother Eunice told AP news agency.

The trip is organised to coincide with the United Nations' Space Week.

"The goal of the programme is to use space to inspire education on a global basis while promoting international understanding among the youth," said Robert Boroffice, director general of the National Space Research and Development Agency.

In 2001, the Nigerian Government formally adopted a National Space Policy and launched its first satellite in 2003.

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DATE	MEDIA ORGANIZATION	MEDIA TYPE	MARKET	AUDIENCE*
9/21/06	BBC World Today	Broadcast	Global	40,000,000
9/21/06	BBC World Update	Broadcast	Global	40,000,000
9/23/06	BBC Focus on Africa	Broadcast	Asia & Africa	20,000,000
9/23/06	Voice of America	Broadcast	Global	25,000,000
9/20/06	Canadian Press	News Service	Canada	
9/18/06	Xinhua News Agency	News Service	China	
9/22/06	Calgary Herald	Daily	Calgary (CA)	291,678
9/21/06	Hamilton Spectator	Daily	Hamilton (CA)	262,015
9/20/06	Canoe.ca	Online	Toronto, CA	23,906
9/21/06	CTV.ca	Online	Scarborough (CA)	17,789
9/21/06	Hamilton Spectator	Online	Hamilton (CA)	
9/22/06	Calgary Herald	Online	Calgary (CA)	
9/18/06	People's Daily Online	Online	China	
9/19/06	African News Dimension	Online	South Africa	
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9/20/06	CNN International	Online	International	
9/20/06	Hinesburg Journal	Online	Canada	
9/20/06	International Herald Tribune	Online	France	
9/20/06	Leading the Charge	Online	Australia	
9/20/06	Montreal Gazette	Online	Montreal (CA)	
9/20/06	Ottawa Recorder	Online	Ottawa (CA)	
9/20/06	Pierceland Herald	Online	Canada	
9/20/06	Westfall Weekly News	Online	Canada	
9/21/06	Daily Champion	Daily	Nigeria	
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9/22/06	News 24	Online	South Africa	
9/22/06	The Times	Daily	United Kingdom	
9/22/06	The Times	Online	United Kingdom	
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9/29/06	Vanguard	Daily	Nigeria	
9/30/06	Africa Today	Online	United Kingdom	
10/2/06	Newswatch Magazine	Online	Nigeria	
EST. TOTAL INTERNATIONAL AUDIENCE OF MORE THAN				125,000,000

U.S. Media Coverage				
DATE	MEDIA ORGANIZATION	MEDIA TYPE	MARKET	AUDIENCE*
9/24/06	St. Louis Post-Dispatch	Daily	St. Louis, MO	1,058,228
9/21/06	The Star-Ledger	Daily	Newark, NJ	995,823
9/21/06	St. Petersburg Times	Daily	St. Petersburg, FL	807,578
9/20/06	CNN	Online	U.S. National	687,480
9/24/06	Commercial Appeal	Daily	Memphis, TN	541,763
9/20/06	MSNBC	Online	U.S. National	384,661
9/21/06	USA Today	Online	U.S. National	315,382
9/20/06	Washington Post	Online	U.S. National	227,077
9/20/06	Forbes	Online	U.S. National	223,502
9/22/06	FOX News	Online	U.S. National	157,286
9/20/06	ABC News	Online	U.S. National	145,417
9/20/06	Los Angeles Times	Online	Los Angeles, CA	139,497
9/20/06	CBS News	Online	U.S. National	137,635
9/21/06	Charleston Gazette	Daily	Charleston, WV	127,875
9/20/06	Newsday	Online	Melville, NY	57,997
9/20/06	San Jose Mercury News	Online	San Jose, CA	50,514
9/20/06	San Diego Union-Tribune	Online	San Diego, CA	49,515
9/20/06	Salon	Online	San Francisco, CA	41,178
9/20/06	Minneapolis Star-Tribune	Online	Minneapolis, MN	38,495
9/21/06	NJ.com	Online	Newark, NJ	38,424
9/20/06	Town Hall	Online	Washington, D.C.	26,715
9/20/06	Mlive.com	Online	Ann Arbor, MI	25,267
9/20/06	New Orleans Times Picayune	Online	New Orleans, LA	22,336
9/20/06	Pioneer Press	Online	St. Paul, MN	14,164
9/20/06	The State	Online	Columbia, SC	13,670
9/20/06	Contra Costa Times	Online	Walnut Creek, CA	12,410
9/20/06	Kentucky.com	Online	Lexington, KY	10,776
9/20/06	Penn Live	Online	Harrisburg, PA	10,724
9/20/06	Houston Chronicle	Online	Houston, TX	9,715
9/20/06	Biloxi Sun Herald	Online	Biloxi, MS	5,770
9/21/06	All Africa	Online	Washington, D.C.	5,252
9/29/06	All Africa	Online	Washington, D.C.	5,252
9/20/06	Bradenton Herald	Online	Bradenton, FL	4,375
9/20/06	Centre Daily Times	Online	State College, PA	4,117
9/20/06	San Luis Obispo Tribune	Online	San Luis Obispo, CA	2,481
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9/21/06	Boston.com	Online	Boston, MA	1,043
9/20/06	Star-Telegram	Online	Fort Worth, TX	793
9/21/06	Star-Telegram	Online	Fort Worth, TX	793
9/20/06	Belleville News-Democrat	Online	Belleville, IL	426
9/19/06	Africast	Online	Westport, CT	
9/20/06	Benton Crier	Online	Benton, IA	
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9/20/06	Kindred Times	Online	Kindred Valley, UT	
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9/20/06	New Hope Courier	Online	New Hope, OK	
9/20/06	Olberlin	Online	Olberlin, KS	
9/20/06	Pioneer Times-Journal	Online	Pioneer, NM	
9/20/06	Prescott Herald	Online	Prescott, AZ	
9/20/06	Seattle Post Intelligencer	Online	Seattle, WA	
9/20/06	Sky Valley Journal	Online	Sky Valley, CA	
9/20/06	The Ledger	Online	Lakeland, FL	
9/21/06	Carlisle Sentinel	Online	Carlisle, PA	
EST. TOTAL DOMESTIC AUDIENCE OF MORE THAN				7,000,000

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Nigerian Teen to Take Zero-Gravity Trip

Nigerian Teen Will Take Zero-Gravity Flight Above Earth, Where Her Home Rarely Has Electricity

By KATHARINE HOURELD



Stella Felix, 17, a schoolgirl who will become the first Nigerian to experience space flight, gives an interview in Lagos, Nigeria Wednesday, Sept. 20, 2006. Felix was selected out of more than 400 students who applied for the zero-gravity flight, which will take off Saturday from Kennedy Space Center in Florida. (AP Photo/George Osodi)

LAGOS, Nigeria Sep 20, 2006 (AP)— Nigerian teen Stella Felix rises at 5 a.m. to do chores and then walks nearly an hour to school. She has to share textbooks with schoolmates because her parents can't afford to buy them and does homework by candlelight.

On Saturday, Felix will soar above all that from the Kennedy Space Center in Florida on a special Boeing aircraft, becoming the first Nigerian to experience the weightlessness of space.

Felix is the first of many students the Spaceweek International Association

INTERNATIONAL HEADLINES

- The Continental Divide
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Sample of Web Sites Covering the Stella Felix Story

[Nigerian teen ready to soar to zero gravity](#)

Boston Globe, United States - 3 hours ago

By Katharine Houreld, Associated Press | September 21, 2006. LAGOS, Nigeria -- Seventeen-year-old Stella Felix rises at 5 am to do ...

[Nigerian Teen to Take Zero-Gravity Trip](#)

ABC News - 13 hours ago

Stella Felix, 17, a schoolgirl who will become the first Nigerian to experience space flight, gives an interview in Lagos, Nigeria Wednesday, Sept. 20, 2006. ...

[Nigerian teenager to experience zero gravity](#)

CNN - 18 hours ago

LAGOS, Nigeria (AP) -- Nigerian schoolgirl Stella Felix rises at 5 am to do chores and then walks nearly an hour to get to school. ...

[Space flight for Nigerian girl](#)

BBC News, UK - 20 hours ago

A 17-year-old schoolgirl is to become the first Nigerian to experience a space flight when she takes off from the Kennedy Space Center on Saturday. ...

[Nigeria's teenage girl off to space](#)

African News Dimension (subscription), South Africa - Sep 19, 2006

By AND Network. A 17-year-old Nigerian girl will be the first African to participate in the world weightlessness flight scheduled for 23 September. ...

[Nigeria's teenage girl to be first African off to space](#)

Xinhua, China - Sep 18, 2006

ABUJA, Sept. 18 (Xinhua) -- A 17-year-old Nigerian girl will be the first African to participate in the world weightlessness flight scheduled for Sept.



[Schoolgirl first Nigerian in space](#)

Metro, UK - 1 hour ago

A schoolgirl from a poor African family is set to become the first Nigerian in space. Stella Felix, 17, was selected from more than ...



[Teen girl set to soar into history books](#)

Hamilton Spectator, Canada - 6 hours ago

Stella Felix, 17, does homework by candlelight and shares textbooks with schoolmates because her parents can't afford to buy them. ...

[Nigerian teen will take zero-gravity flight high above Earth](#)

San Diego Union Tribune, United States - 14 hours ago

By Katharine Houreld. LAGOS, Nigeria – Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. ...

[Nigerian teen to take zero-gravity trip](#)

Pioneer Times-Journal, New Mexico - 14 hours ago

By KATHARINE HOURELD, Associated Press Writer 33 minutes ago. LAGOS, Nigeria - Nigerian teen Stella Felix rises at 5 am to do chores ...

[17-year old Nigerian girl off to space](#)

The Tide, Nigeria - Sep 19, 2006

Felix was selected for the trip out of 400 students from 101 schools within the South-West geo-political zone. Speaking on the planned ...

[Teen girl to become first Nigerian in space](#)

Independent Online, South Africa - 6 hours ago

By Katharine Houreld. Nigerian schoolgirl Stella Felix rises at 5 am to do chores and then walks nearly an hour to get to school. ...

[Nigerian teen to take zero-gravity trip](#)

San Jose Mercury News, USA - 11 hours ago

LAGOS, Nigeria - Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. She has to share ...

[Nigerian Teen to Take Zero-Gravity Trip](#)

Forbes - 12 hours ago

By KATHARINE HOURELD , 09.20.2006, 07:43 PM. Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. ...



[Nigerian Teen to Take Zero-Gravity Trip](#)

CBS News, New York - 13 hours ago

By KATHARINE HOURELD Associated Press Writer. (AP) Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. ...

[Nigerian Teen to Take Zero-Gravity Trip](#)

Salon - 13 hours ago

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Houston Chronicle, United States - 13 hours ago

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Los Angeles Times, CA - 14 hours ago

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Washington Post, United States - 14 hours ago

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[Teenage girl to become first Nigerian to experience space, in ...](#)

International Herald Tribune, France - 16 hours ago

LAGOS, Nigeria Nigerian schoolgirl Stella Felix rises at 5 am to do chores and then walks nearly an hour to get to school. Once ...

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CNN International - 18 hours ago

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[Nigeria's teenage girl to be first African off to space](#)

People's Daily Online, China - Sep 18, 2006

A 17-year-old Nigerian girl will be the first African to participate in the world weightlessness flight scheduled for Sept. 23, the ...

[TRAVELING LIGHT](#)

Fort Worth Star Telegram, TX - 2 hours ago

By KATHARINE HOURELD. LAGOS, Nigeria -- Nigerian teen Stella Felix rises at 5 am to do chores, then walks nearly an hour to school. ...

[Nigerian teen will take zero-gravity flight high above Earth](#)

Montreal Gazette, Canada - 6 hours ago

LAGOS, Nigeria -- Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. She has to share ...

[Space mission has Nigerian teen flying high](#)

Minneapolis Star Tribune (subscription), MN - 10 hours ago

LAGOS, NIGERIA - Nigerian teen Stella Felix rises at 5 am to do chores and then walks nearly an hour to school. She shares textbooks ...

[Nigerian teen to take zero-gravity trip](#)

The State, SC - 11 hours ago

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Nigeria - Nigerian teen Stella Felix rises at 5 am to do chores ...

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Newsday, NY - 14 hours ago

By KATHARINE HOURELD. LAGOS, Nigeria -- Nigerian teen Stella Felix rises
at 5 am to do chores and then walks nearly an hour to school. ...

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Monterey County Herald, CA - 14 hours ago

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World Space Week

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