

Astro

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SPACE CAMP WILL HOST ASTRONAUT DURING E-PAL WEEK

European Space Agency Astronaut Jean-Francois Clervoy will visit Space Camp Turkey July 4-11, 2012 for E-Pal Week.

Clervoy's first spaceflight was on STS-66 Atlantis. This mission carried a diverse payload, which included the Atmospheric Laboratory for Applications and Science-3 (ATLAS-3). ATLAS-3 studied how the Sun's energy affects our climate and environment on Earth. As a Mission Specialist, Clervoy used the orbiter's Canadian robotic arm to deploy the CRISTA-SPAS atmospheric research satellite.

His second spaceflight was on STS-84 Atlantis. He coordinated over 20 experiments, operating SPACEHAB and

the transfer of nearly four tons of equipment between *Atlantis* and *Mir*.

Clervoy's final space flight was on STS-103 Discovery, an 8-day mission during which the crew successfully installed new gyroscopes and upgraded systems on the Hubble Space Telescope. During his career as an astronaut, Clervoy received three NASA Space Flight Medals and two NASA Exceptional Service Medals. He is now a member of the Association of Space Explorers.

Information for this article was gathered from <http://www.space-explorers.org/> and <http://wikipedia.org>

THE LATEST NASA and MEET / GREET VIDEOCONFERENCES

February was a busy month for Partner Science Program Schools because of videoconferences with NASA.

NASA videoconferences

- Browne Academy (Alexandria, Virginia, U.S.A.), Atasehir Doga College (Istanbul, Turkey), and NASA held a conference about asteroids on February 6, 2012. Students from each school were able to ask NASA experts eight questions. Below are two examples asked by Turkish students:
 - Are Earth and some asteroids similar in age?
 - When new objects are discovered in space, how can you tell if they are asteroids or planets?



- Sariyer Doga College (Istanbul, Turkey) and NASA held a videoconference about the History of Modern Rocketry on February 13, 2012. Students were able to participate in Scott Anderson's presentation, and they answered his questions about Rocketry and Newton's Third Law of Motion.



- Ankara Doga College (Ankara, Turkey) and NASA held a conference on February 15, 2012. Students were shared completed projects and asked questions to a NASA expert from Johnson Space Center (Houston, Texas, U.S.A).



**THE LATEST VIDEOCONFERENCES
(CONTINUED)**

- Children’s Word Academy (Quebec, Canada) and NASA held a conference on February 17, 2012.

As part of the program “Global Friendship Through Space Education,” the Space Club members from CWA had their first videoconference with a NASA specialist from Huntsville, Alabama on the History of Modern Rocketry. The students were very excited about meeting someone from NASA.



Children’s World Academy deserves a big congratulations for becoming the first Canadian school involved in this program. Four students and two teachers will have the chance to fly to Izmir in Turkey to attend the July 1-7, 2012 E-Pal Week.

- Turk College (Izmir, Turkey) and NASA held a videoconference about Asteroids on February 28, 2012.



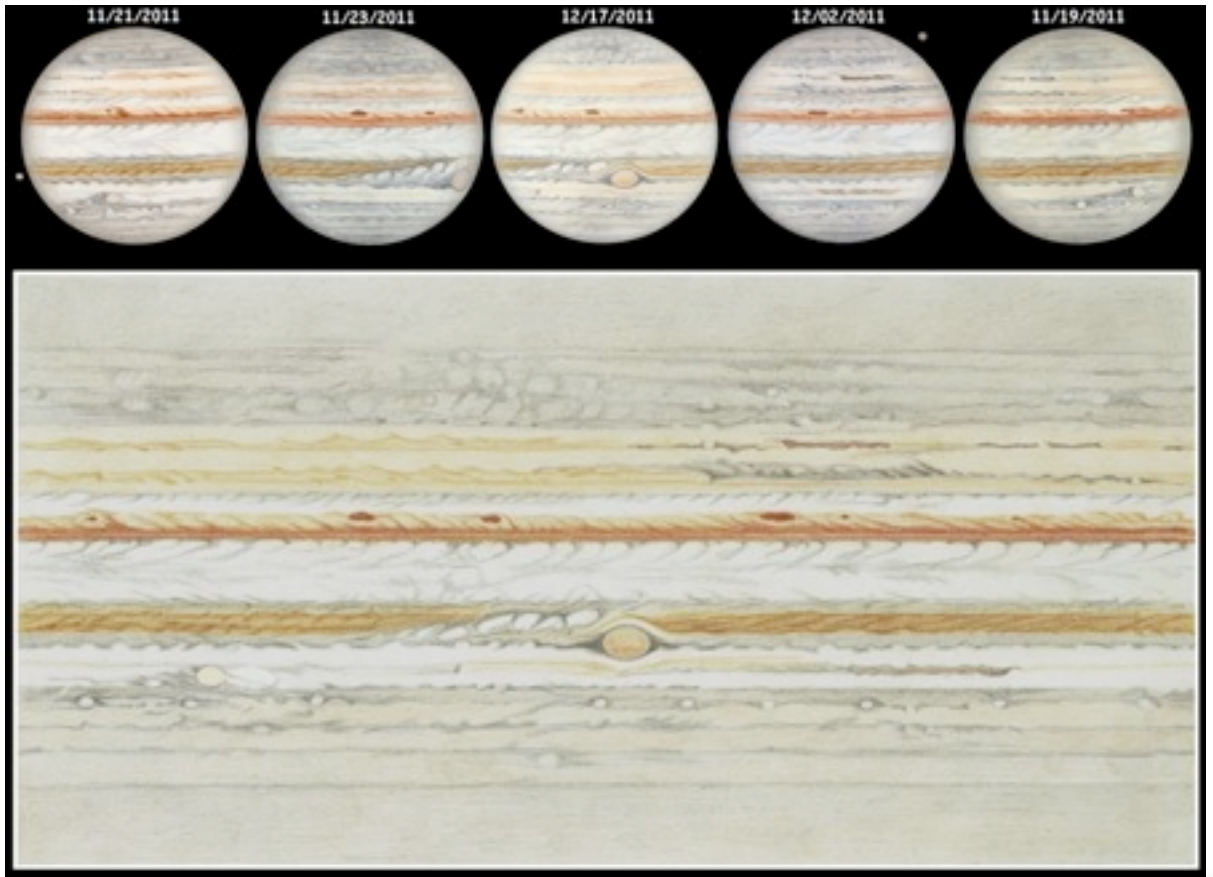
Meet and Greet Videoconferences

Students were able to meet with their partners and share their cultures.

- Denizli Doga College (Denizli, Turkey) and School4Child (Lodz, Poland) held a conference on February 22, 2012.
- Lindsey Middle School (Long Beach, California, U.S.A.) and SEV Primary School (Izmir, Turkey) held a conference on February 17, 2012.



Astronomy Picture of The Day



JUPITER GAS FORMATIONS REVEALED

Five hand-drawn sketches of Jupiter were used to create this beautifully detailed flat map of the ruling gas giant's [turbulent cloud tops](#). Made with colored pencils at the eyepiece of a 16 inch diameter telescope, the original drawings are about 5 inches (12.5 cm) in diameter. The drawn map dimensions are 16x8 inches (40x20 cm). Observing on different dates in November and December of 2011, astronomical artist Fred Burgeot has relied [on Jupiter's](#) rotation to cover the planet's complete circumference. Digital animator Pascal Chauvet has also translated Burgeot's drawings into an [intriguing video \(vimeo\)](#), synthesizing a telescopic view of the rotating planet with a tilt

and phase appropriate for the observing dates. The video includes the [Galilean moons](#) moving along their orbits, beginning with Ganymede and Io casting shadows as they glide in front of Jupiter, followed by Europa and Callisto passing behind the planet's banded disk.



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