



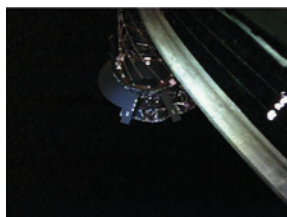
Japan Association of Mineralogical Sciences

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HAYABUSA2: THE LONG JOURNEY TO A PRIMITIVE ASTEROID HAS BEGUN



Launch of H-IIA F26 with Hayabusa2 on board. IMAGE CREDIT: JAXA



The sampler horn extended in space. IMAGE CREDIT: JAXA

The Japanese asteroid explorer Hayabusa2 has begun its six-year round trip to return surface samples of the near-Earth carbonaceous-type asteroid 1999 JU₃.

The rocket that propelled Hayabusa2 was a H-IIA F26 and it was launched at 1:22:04 pm on 3 December 2014 (JST), from the Tanegashima Space Center after being delayed twice because of bad weather. Hayabusa2 separated from the launch vehicle approximately 1 hour, 47 minutes, and 21 seconds after liftoff. Shortly after separation, the Japan Aerospace Exploration Agency (JAXA) announced that the critical operation phase after the launch had been completed, including the deployment of the sampler horn through which samples of the asteroid's surface will be collected. The deployment of the sampler horn was confirmed by a small onboard monitor camera camera that had been made by public donation to the mission. A check of Hayabusa2's onboard instruments revealed that they are currently in good condition.

The spacecraft will do an Earth flyby in 2015 to pick up speed and will then head to asteroid 1999 JU₃. Hayabusa2 will arrive at the asteroid in mid-2018 when the spacecraft will take three samples during its 18-month stay. After that, Hayabusa2 will return to Earth in December 2020 with its precious samples.

Shogo Tachibana, Hokkaido University, Japan

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XAFS study on the Zr local structures in tektites and natural glasses. Tsubasa TOBASE, Akira YOSHIASA, Ling WANG, Hidetomo HONGU, Hiroshi ISOBE and Ritsuro MIYAWAKI

Jadeite-bearing metaigneous rocks from the Northern Chichibu belt, SW Japan: implications for the lowest-grade Sanbagawa metamorphism. Shunsuke ENDO

Accessory priderite and burbankite in multiphase solid inclusions in the orogenic garnet peridotite from the Bohemian Massif, Czech Republic. Kosuke NAEMURA, Ichiko SHIMIZU, Martin SVOJTKA and Takao HIRAJIMA

Roweite from the Fuka mine, Okayama Prefecture, Japan. Tamami ANDO, Akiko KANAYAMA, Shoichi KOBAYASHI, Ritsuro MIYAWAKI, Shigetomo KISHI, Mitsuo TANABE and Isao KUSACHI

Petrogenesis and geotectonics of the Mikame ultramafic body, western Shikoku, Japan. Yuji ICHIYAMA



Meteoritical Society

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STUDENT PAPER PRESENTATION AWARDS FROM 2014 ANNUAL MEETING IN CASABLANCA



The GORDON McKAY AWARD for the best oral presentation by a student at the annual meeting of the Meteoritical Society was given to **Romy Hanna** of the University of Texas (USA) for her talk in Casablanca (Morocco) entitled "Impact-induced chondrule deformation and aqueous alteration of CM2 Murchison." The award comes with a prize of US\$1000 and a certificate.

Four WILEY-BLACKWELL AWARDS, each worth US \$500 and provided by Wiley-Blackwell (publishers of *Meteoritics and Planetary Science*), were given for outstanding presentations at the 76th annual meeting of the society in Casablanca (Morocco). The four winners, left to right below were **Carolyn Crow** (University of California Los Angeles) for her talk entitled "Impact shock microstructures in Apollo 14 zircons," **Ingrid Daubar** (University of Arizona) for her talk "New dated impacts on Mars and the current cratering rate," **Christopher Hamann** (Museum für Naturkunde Berlin and Freie Universität Berlin, Germany) for his talk "Silicate liquid immiscibility in young impact glasses," and **Nicole Lunning** (University of Tennessee, USA) for her talk "CM chondrite impact melt clast identified in a regolithic howardite."

REDUCED MEMBERSHIP RATES



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The Meteoritical Society invites membership applications at reduced rates (\$24/year) from people who live in countries on the Health InterNetwork Access to Research Initiative (HINARI) list: visit <http://www.who.int/hinari/eligibility/en/>. This rate includes printed copies of *Elements* and the society's journal, *Meteoritics & Planetary Science*, as well as electronic access to these journals. Please send requests to the chair of the Membership Committee, Erin Walton (ewalton@ualberta.ca).

ANNUAL MEETING SCHEDULE

- 2015 Berkeley, California, USA, July 27–31
- 2016 Berlin, Germany, August 7–12
- 2017 Santa Fe, New Mexico, USA, Last week of July
- 2018 Moscow, Russia, dates to be decided

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