

PROBA Workshop: Minutes of the Round Table

Many (all?) PROBAs and their instruments are influenced by environmental radiation or collect data characterizing the radiation environment. This includes the South Atlantic Anomaly and the auroral zones. It is suggested this could perhaps be the most obvious theme on which the science communities of the different PROBAs could collaborate. BIRA (eg through SPENVIS) and PROBA-V/EPT would have a natural leading role in this theme.

In some cases, space weather events observed by the PROBAs can (perhaps?) be traced back to the driver on the Sun (flares, CMEs, etc). As a solar observing platform, PROBA2 would be the first to observe. It is suggested to start up a mailing list to which interested people from the other PROBAs could register to for early warning of such events.

QinetiQ Space nv points out that every time a science team for a new PROBA starts, they have to teach these scientists the basics about spacecraft positioning, attitude and time conversion (TLEs, quaternions, time pairs, etc). It is suggested that a reference manual and software library for PROBA science users would be more efficient. It is to be further explored how this could be set-up. Perhaps the NAIF/SPICE tool (as used by PROBA2) could play a role.

There is an annular eclipse above North America on October 23. It would be a nice opportunity to make a press release in which we combine PROBA2 images showing the solar eclipse and PROBA-1, PROBA-V or PROBA2/XCAM data showing the dark zone on the Earth surface.

(note that since these are partial eclipses, there is only penumbra, no umbra).

As small but long-living missions, the PROBAs have a need to advertise themselves and seek new users. PROBA-V has Capacity Building Workshops (UN funding) where students from third world countries are trained to use PROBA-V data. PROBA2 has a Guest Investigator Program that brings users for a short-term stay to the PROBA2 Science Center.

The initiative of bringing together the science communities of the different PROBA satellites is widely appreciated and should be repeated but an annual meeting is perhaps too often. In this first time meeting we have been introduced to the different missions and instruments. It is suggested that next time we should try to focus on common themes/science and go deeper in the details.

Attendees

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| David Berghmans | Royal Observatory of Belgium |
| Wouter Dierckx | VITO |
| Bart Deronde | VITO |
| Stefan Adriaensen | VITO |
| Sylvie Benck | CSR/UCL |
| Stanislav Borisov | CSR/UCL |
| Andrei Zhukov | Royal Observatory of Belgium |
| Viviane Pierrard | IASB/BIRA |
| Luciano Rodriguez | ROB |
| Laurent Dolla | ROB |
| Ingolf E. Dammasch | ROB |
| Stephane Beauvivre | MICRO-CAMERAS |
| Marie Dominique | ROB |
| Didier Fussen | BIRA-IASB |
| Emmanuel Dekemper | IASB-BIRA |
| Jasmina Magdalenic | ROB |

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| Didier Pieroux | BIRA-IASB |
| Werner Verschueren | BELSPO |
| Etienne Renotte | CSL/ULg |
| Erik Pyllyser | ROB |
| Matthew West | ROB |
| Robbe Vansintjan | ROB |
| Dan Seaton | ROB |
| Thanassis Katsiyannis | ROB |
| Christian Barbier | CSL/ULg |
| Bianca Hoersch. | ESA |
| Etienne Tilmans. | ESA |
| Bogdan Nicula. | ROB |
| Dennis Gerrits. | Qinetiq Space |
| Stijn Ilsen. | Qinetiq Space |
| Hendrik Verbeelen. | BELSPO |
| Jacques Nijskens. | BELSPO |
| Cis Verbeeck | ROB |
| Joe Zender | ESA/ESTEC |
| Katrien Bonte | CmPA, KU Leuven |
| Elke D'Huys | ROB |
| Laurel Rachmeler | ROB |
| Deb Baker | UCL/MSSL |
| David Long | UCL/MSSL |
| Anik De Groof | ESA/ESAC |
| Benoit Demellenne | ESA/Redu |
| Christian Baijot | ESA/Redu |
| Erwin De Donder | BIRA-IASB |
| Samuel Gissot | ROB |
| Nicky De Munster | Euro Space Society |
| Theo PIRARD | Cluster Wallonie Espace |
| Nicolas Bergeot | ROB |
| Filip Vanhellemont | BIRA-IASB |
| Marilena Mierla | ROB |
| Joris Naudet | Qinetiq Space |
| Laszlo Hetey | BIRA-IASB |
| Davy Vrancken | Qinetiq Space |
| Daniel Krähenbühl | CTO |
| Steven Bogaerts | BELSPO |
| Mathias Cyamukungu | UCL/CSR |
| Jean Paul Malingreau | Expert Foresight |