

題名 ISWI Newsletter – Vol. 3 No. 22  
差出人 George Maeda

```

*****
* ISWI Newsletter – Vol. 3 No. 22                                02 March 2011 *
*                                                                 *
*       I S W I = International Space Weather Initiative         *
*                   (www.iswi-secretariat.org)                   *
*                                                                 *
* Publisher:      Professor K. Yumoto, SERC, Kyushu University, Japan *
* Editor-in-Chief: Mr. George Maeda, SERC (maeda[at]serc.kyushu-u.ac.jp)*
* Archive location: www.iswi-secretariat.org (maintained by Bulgaria) *
*       [click on "Publication" tab, then on "Newsletter Archive"] *
* Caveat: Under the Ground Rules of ISWI, if you use any material from *
*       the ISWI Newsletter or Website, however minor it may seem *
*       to you, you must give proper credit to the original source. *
*****

```

Attachment(s):

(1) "Figures", 450 KB pdf, 1 page.

```

-----
:                               Re:
:                               Prelim results of ASEC and SEVAN
:                               with respect to recent major
:                               solar event.
:

```

Dear ISWI Participant:

Below is a press release from "YerPhi Press" concerning recent major solar event. The press release is between + and &.

```

+
=====
YerPhi Press releases <narine_khachatryan@yerphi.am>
Tuesday, 1 March 2011 12:51
To subscribers.

```

Subject:

PR#37: 24-th Solar activity cycle produce first violent blast, now ramping up toward a solar maximum around 2013. The sun unleashed its strongest solar flare in nearly five years at Feb 15 night, sending a massive wave of charged particles toward Earth. A huge cloud of charged particles, named coronal mass ejection (CME) reach the Earth in approximately 3 days and trigger sizeable geomagnetic storm and deep Forbush decrease (Fd). Fd is a rapid decrease in the observed galactic cosmic ray intensity following a CME arrival, it occurs due to the magnetic field of the plasma solar wind sweeping some of the galactic cosmic rays away from Earth. Particle detectors of the Aragats Space Environmental Center (ASEC) and SEVAN worldwide network registered the Fd in all details.

In Figure 1 we post the intensity changes of the neutral and charged particles measured at Aragats 3250 m above sea level.

In Figure 2 we demonstrate first results from the particle monitors of new type located at Aragats in Bulgaria and Croatia. The data from monitors located on different longitudes, latitudes and altitudes allows disentangling solar-terrestrial connections and creating and testing models of interactions of fast solar wind with magnetosphere and many others.

Figure 1. Pressure corrected time series of ASEC particle monitors

Figure 2. Pressure corrected time series of SEVAN particle monitors

: [ISWI Editor's Note: These figures are in the attached pdf.]

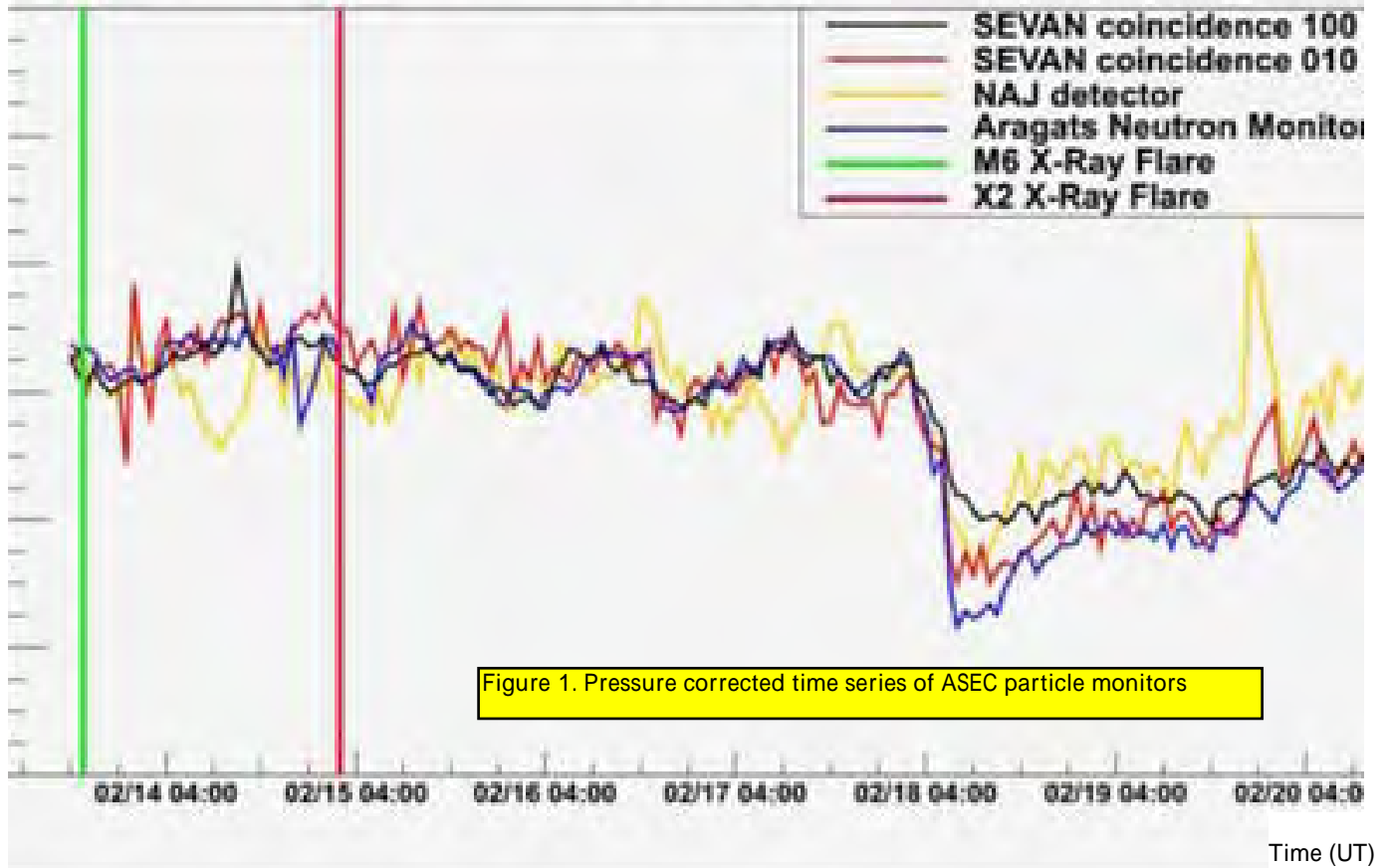
=====  
&

If your instruments also picked up this event, please send the results to me for newsletter distribution.

Most faithfully yours,

: George Maeda  
: The Editor  
: ISWI Newsletter

## Forbush Decrease, February 13-20, 2011



## Forbush decrease from 15.02.2011 to 20.02.2011

