**Description of the rows in the file of neutron monitor observation at the Hermon observatory**

Title of the file consists of

1. Number of the day of the year (e.g, “1” means 01.01.yyyy)
2. Level of data formation (technical detail) “B”
3. Specification of the year (365 days => “98”) or the leap-year (366 days => “99”)

and has the following form: ”159B98”

* FILE ID (example “98159”): 2 first numbers “98” or “99” – identifier of the ordinary (365 days) or leap-year (366 days); 3 last numbers (“159”)– number of the day of observations in the current year

      **HOUR   - hour number (UT) of the moment of observation**

**        MIN     - minute number of the moment of observation**

**        SEC    - second of the moment of observation (standard value is “0”)**

   **P, mmHg  - Atmospheric Pressure in mmHg inside observatory**

        N1        - number of the pulses during one minute from the first (West) section of the neutron monitor

        N2       - the same from the second (East) section of the monitor

**        M>=1     - number of all pulses from both section with all multiplicities (multiplicity is number of the pulses during 1 microsecond window for neutrons registration reflected energy of the primary cosmic ray proton (maximal multiplicity in our registration complex is “>=8”)**

        M>=2    - the same for pulses with multiplicities >=2

        M>=3     - the same for pulses with multiplicities >=3

        M>=4     - the same for pulses with multiplicities >=4

        M>=5     - the same for pulses with multiplicities >=5

        M>=6     - the same for pulses with multiplicities >=6

        M>=7     - the same for pulses with multiplicities >=7

        M>=8     - the same for pulses with multiplicities >=8

        Tin,DG   - Temperature of atmosphere inside observatory in degrees of Celsius , С

      **Tout       - the same, but in atmosphere outside observatory, С**

        Hin        - Humidity inside observatory, %

        **Wind     - velocity of the wind outside observatory, m/sec**

**        EFS       - voltage of electric field in atmosphere outside observatory, х 20 kV/meter**

        V5        -  voltage of the power source of registration complex (standard voltage must be 5V)

        V13      -  the same for elements of registration scheme with standard voltage 13V

        V13.5    -  voltage of power source for scheme of amplifier - pulse formatter of counters

* HV1     -  Voltage of High Voltage source for first section of the monitor in V

        HV2     - the same for second section