ID: Type: **Poster**

Seismic Events and Content of Isotopes on Atmospheric Aerosol of Tajikistan

Geophysical Survey of the Academy of Sciences of the Republic of Tajikistan has modern seismic stations for seismic control and also for control of nuclear explosions. The database available in: http://service.iris.edu/ http://service.iris.edu /fdsnws/station/docs/1/builder/. The seismic stations of Tajikistan registered the sixth nuclear test of North Korea on September 3, 2007 at 03:38:09 (S.H.Negmatullaev, F.Yu. Devonashoev, T.P.Ulubaeva . Modern system of seismic monitoring // Dushanbe, 2018, 21p). Recent years have been actively studying the phenomena occurring in the atmosphere in advance of the upcoming earthquake: failure of the function of air temperature and atmospheric pressure, anomalous change of atmospheric transparency (optical thickness), water vapor content, Angstrom parameter, aerosol optical thickness of the fine and coarse fraction, ozone and nitrogen dioxide content in the vertical column of the atmosphere (https://aeronet.gsfc.nasa.gov/cgi-bin/data_display_aod_v3?site =Dushanbe&nacha l=2&level=3&place_code=10) The results of the investigation of the isotopes distributions Tl-208, Pb-212, Ac-228, Pb-214, Bi-214, Th-234, Ra-226, Pb-210, Cs-137, Be-7 and K-40 in the samples of atmospheric aerosol of the southern, central and northern parts of Tajikistan are represented.

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