UZBEKISTAN SEISMIC NETWORK

Report for the Federation of Digital Seismograph Networks

Uzbekistan seismic network is managed by Institute of seismology, Uzbekistan Academy of Scienses. The network included 14 sites, 6 stations directly connected by leased internet channels to FTP-server at Central Seismic Observatory "Tashkent". 8 sites send event data by dial-up connection one time per day or after request. Two sires equipped by broadband three-component sensors CTS-1, accelerometers SLJ-100B and 24-bi data loggers EDAS-24 (all Chinese) and output files has own Chinese format. Also a few sites are equipped by three-component short-period sensors JCV-104V and 16-bit data loggers EDAS-3. At all other stations are used Russian one-component sensors SM3-KV (one set for each site) and 16-bit data logger Webtronics.

On the August-September 2007 stations Karshy and Djizzak will installed in sites with low noise level and connected to leased internet channels. Also is planned installation of one system at southern part of country – Termez city.

For data processing and earthquake location we are used WinQuake and EDSP-IAS software. On the short future real-time data flow will used for EarthWorm system.

List of digital seismic stations

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NAME	LAT	LON	ELEV	Sensor	Data logger	Data transfer
Agalyk	39.5171	66.8803	871.0	CTS-1,	EDAS-24*	Radio-modem
				SLJ-100B		
Andijon	40.7550	72.3600	494.0	JCV-104V	EDAS-3 **	Leased line
(Andizhan)				SM3-KV	Webtronics***	
Farghona	40.3743	71.7841	591.0	SM3-KV	Webtronics	Leased line
Namangan	40.9911	71.6587	432.0	SM3-KV	Webtronics	Leased line
Nurota	40.5537	65.6788	524.0	SM3-KV	Webtronics	Dial-up
(Nurata)						
Samarqand	39.6733	66.9900	704.0	SM3-KV	Webtronics	Leased line
(Samarkand)						
Toshkent	41.3250	69.2950	470.0	CTS-1	EDAS-24	Leased line
(Tashkent)				SM3-KV	Webtronics	
Tomdibuloq	41.7500	64.6400	273.0	SM3-KV	Webtronics	Dial-up
(Tamdybulak)						
Gazly	40.1294	63.4472	186.0	SM3-KV	Webtronics	Dial-up
Chimion	40.2688	71.5225	664.0	SM3-KV	Webtronics	Dial-up
Mingtut	40.4658	70.9748	473.0	SM3-KV	Webtronics	Dial-up
Xiva	41.3827	60.3506	101.0	SM3-KV	Webtronics	Leased line
Shaximardan	39.9540	71.7386	1822.0	SM3-KV	Webtronics	Dial-up
Yangibazar	41.3021	69.5852	573.0	JCV-104V	EDAS-3	Radio-modem
	Agalyk Andijon (Andizhan) Farghona Namangan Nurota (Nurata) Samarqand (Samarkand) Toshkent (Tashkent) Tomdibuloq (Tamdybulak) Gazly Chimion Mingtut Xiva Shaximardan	NAME LAT Agalyk 39.5171 Andijon (Andizhan) 40.7550 Farghona 40.3743 Namangan 40.9911 Nurota (Nurata) 40.5537 Samarqand (Samarkand) 39.6733 Toshkent (Tashkent) 41.3250 Tomdibuloq (Tamdybulak) 41.7500 Gazly (Tamdybulak) 40.1294 Chimion (Tamdybulak) 40.2688 Mingtut (May (May (May (May (May (May (May (May	NAME LAT LON Agalyk 39.5171 66.8803 Andijon (Andizhan) 40.7550 72.3600 Farghona 40.3743 71.7841 Namangan 40.9911 71.6587 Nurota (Nurata) 40.5537 65.6788 Samarqand (Samarkand) 39.6733 66.9900 Toshkent (Tashkent) 41.3250 69.2950 (Tashkent) 41.7500 64.6400 (Tamdybulak) 40.1294 63.4472 Chimion 40.2688 71.5225 Mingtut 40.4658 70.9748 Xiva 41.3827 60.3506 Shaximardan 39.9540 71.7386	NAME LAT LON ELEV Agalyk 39.5171 66.8803 871.0 Andijon (Andizhan) 40.7550 72.3600 494.0 Farghona 40.3743 71.7841 591.0 Namangan 40.9911 71.6587 432.0 Nurota (Nurata) 40.5537 65.6788 524.0 Samarqand (Samarkand) 39.6733 66.9900 704.0 Toshkent (Tashkent) 41.3250 69.2950 470.0 (Tamdybulak) 41.7500 64.6400 273.0 Chimion 40.2688 71.5225 664.0 Mingtut 40.4658 70.9748 473.0 Xiva 41.3827 60.3506 101.0 Shaximardan 39.9540 71.7386 1822.0	Agalyk 39.5171 66.8803 871.0 CTS-1, SLJ-100B Andijon (Andizhan) 40.7550 72.3600 494.0 JCV-104V SM3-KV Farghona 40.3743 71.7841 591.0 SM3-KV Namangan 40.9911 71.6587 432.0 SM3-KV Nurota (Nurata) 40.5537 65.6788 524.0 SM3-KV Samarqand (Samarkand) 39.6733 66.9900 704.0 SM3-KV Toshkent (Tashkent) 41.3250 69.2950 470.0 CTS-1 SM3-KV Tomdibuloq (Tamdybulak) 41.7500 64.6400 273.0 SM3-KV Chimion 40.2688 71.5225 664.0 SM3-KV Mingtut 40.4658 70.9748 473.0 SM3-KV Xiva 41.3827 60.3506 101.0 SM3-KV Shaximardan 39.9540 71.7386 1822.0 SM3-KV	NAME LAT LON ELEV Sensor Data logger Agalyk 39.5171 66.8803 871.0 CTS-1, SLJ-100B EDAS-24* Andijon 40.7550 72.3600 494.0 JCV-104V Webtronics*** EDAS-3 ** (Andizhan) 40.3743 71.7841 591.0 SM3-KV Webtronics Namangan 40.9911 71.6587 432.0 SM3-KV Webtronics Nurota (Nurata) 40.5537 65.6788 524.0 SM3-KV Webtronics Samarqand (Samarkand) 39.6733 66.9900 704.0 SM3-KV Webtronics Toshkent (Tashkent) 41.3250 69.2950 470.0 CTS-1 EDAS-24 Webtronics Tomdibuloq (Tamdybulak) 41.7500 64.6400 273.0 SM3-KV Webtronics Chimion (Marchitan) 40.2688 71.5225 664.0 SM3-KV Webtronics Mingtut (Marchitan) 40.4658 70.9748 473.0 SM3-KV Webtronics Shaximardan (Marchitan) 39.9540 71.7386 1822.0 SM3-KV Webtronics

^{*} broadband three-component seismometer CTS-1, SLJ-100B accelerometer and 24-bit datalogger EDAS-24 manufactured in China

^{**} short-period seismometer JCV-104V and 16-bit datalogger EDAS-3 from China

^{***} Short-period Russian sensors SM3-KV and 16-bit datalogger Webtronics from USA

