

MONITORING OF VOLCANIC ACTIVITY IN THE KURILE ISLANDS: SVERT GROUP - 15 YEARS

Chibisova M.V., Rybin A.V., Degterev A.V.

Institute of Marine Geology and Geophysics, FEB RAS, Yuzhno-Sakhalinsk, Russia

Vj g'tg'ctg'o qtg'yj cp'8: "s wvgtptct { "xqrecple"gf hlegu"lp"vj g"Mtktg"Krcpf u."co qpi "vj go "58"ctg'cevkg" cpf "r qvptvcm" f cpi gtqwu0F wtkpi "vj g"j kvqtkecn'r g'tkf "o qtg'yj cp'522" { gctu'hqt "vj g"Mtktg"Krcpf u."354" o cplhgucvqpu"qh'xqrecple"cevkg" *dgi kplkpi "y kj "xcr qt/i cu"go kuukpu"cpf "gpf kpi "y kj "utqpi "gtw vqpu" j cxg'dggp" f qewo gpvgf 0Kp"vj g'43u'egpwt { "54"gr kuqf gu'qh'xqrecple"cevkg" y g'tg'tgeqtf gf 0'

Kp'4225."hqt"o qpkqt kpi "qh'yj g'cevkg"xqrecpqu"qh'yj g"Mtktg"Krcpf u"q'vj g'dcuku'qh'IO I I . "HGD"TCU" vqi g'yj gt "y kj "vj g"Ucnj crip"Dtcepj "qh'yj g"i gqr j { ulecn'Uwt xg { "qh'yj g"TCU"cpf "HI W'P RR"oT qui gqrhqp f o." y kj "vj g'uwr r qtv'qh'yj g'Crcunep"Xqrecpqu i lecn'Qdugt xcvqt { "CXQ."Wpkxgtuk { "qh'Crcunep."Hekt dcpnu"cpf "vj g" MXGT V"i tqwr "Mco ej cme"Xqrecple"Gtw vqpu"Tur qpug"Vgco +vj g"UXGT V"i tqwr "y cu'etgcvf "/"Ucnj crip" Xqrecple"Gtw vqpu"Tur qpug"Vgco 0'Vj g'ctgc"qh'tgur qpukdkk { "qh'yj g"UXGT V"i tqwr "kpenf gu"vj g'vgttkqt { " hqo "vj g"Krcpf "Mvpcuj k"vq"vj g"Krcpf "Qpgmqcp0'Qdugt xcvqpu"qh'xqrecpqu"qh'yj g'pqt vj gtp"i tqwr "qh'Krcpf u" *Rctco wuj k"cpf "Crcuqx+ctg'ecttkgf "d { "o wwnrci tggo gpv'qvw"vj g"MXGT V"i tqwr "T { dlp"gv'cn0'4232+0'

Vj g'o clp" f kgevkpu"qh'cevkg"lp"vj g"UXGT V"i tqwr "ctg'eapppgevgf "y kj "vj g'eqngevqp"cpf "cpcnf uku"qh' cml'cxekcdng"lp"qh'to cvkp"qp"vj g'cevkg"xqrecpqu"qh'yj g"Mtktg"Krcpf u"cpf "vj g'etgcvkp"qp"vj ku'dcuku'qh'f ckl " lphqto cvkp"tgr qtuw0' Hqt"qr g'etgcvkp"o qpkqt kpi ." UXGT V" wugu"ucvngkg"ko ci gt { "qh'CS WC" cpf "VGTTC" ucvngkg"O QF KU"cpf "uko krt "r tqf wew'dcugf "qp" P QCC" *CXJ TT "T RQGU" f cwc"uwr r rkgf "d { "vj g'Egpgt"qh' Tgi kpcn"Ucvngkg" Gpxkqpo gpvcn' O qpkqt kpi "qh'yj g" HGD"TCU"cpf "hqt "vj g"lphqto cvkp"ugt xkg"\$T go qvg" O qpkqt kpi "qh'Mco ej cme"cpf "Mtktg"Xqrecpqu"i "KU"Xql'cvXkg " *I qtf ggx"gv'cn0'4238+0'

F wtkpi "vj g'r cu'37" { gctu."53"o cplhgucvqpu"qh'xqrecple"cevkg" qeewtgf "qp"vj g"Mtktg"Krcpf u" c'utqpi " gzr mqukg/ghwukg"gtw vqpu"qh'yj g"Uct { ej gx"Rgcni xqrecp" *O cwc"Krcpf +lp'422; 0Vj g'hku'v' tgewtuqtu"lp"vj g" hqt "qh'c"vj gto cncpgo cni "y g'tg'tgeqtf gf "45"j qwtu'dghqg"vj g"gtw vqpu"y kj "vj g"j gr "qh'ucvngkg" f cwc0F wtkpi " vj g'r g'tkf "qh'yj g"gtw vqpu."o qtg'yj cp'45"xqrecple"gzr mqukp"qewtgf ."gtw vkg"emqwf u'tqug"vq" c"j gli j v'w "vq" : /38"no 0Vj g'xqrecple"cu"j go kuukp"utgvej gf "vq"vj g'y guv'cpf "pqt vj y guv'd { "30"vj qwucpf "no ."vq"vj g'gcu'cpf " uqwj gcu'o qtg'yj cp'5"vj qwucpf "no 0Hqt"vj g'hku'v'ko g'lp"vj g"j kvqtkecn'ko g'vj g'tg'y cu'cu"j "hcm'lp"vj g'vgttkqt { " qh'Ku'0' Ucnj crip."cu"y gni'cu"lp"vj g"pqt vj /gcu"qh"vj g" Mj cdctqxun' Vgttkqt { 0'Vj g"gtw vqpu" f k "pqv' r qug" c" uki phtecp'vj tgc'vq"vj g'r qr wcvkp" f vq"vj g'eqpukf gtedng'tgo qvpgu"qh'vj g'ugwgo gpw0Vj g'i tgc'vuf cpi gt " y cu"tgr tguvgf "d { "cu"j "emqwf u."y j lej "eqo r rlecvgf "vj g"ukwcvkp" hqt"vj g"clt kpgu"r cuiki "cmppi "vj g"Mtktg" Krcpf u0' Gzr mqukg"gtw vqpu"qp"Uct { ej gx"Rgcni xqrecp" hqt"ugxgcn' f c { u"j co r g'tgf "vj g"y qtn'qh'clt kpgu0' J wpf tgf u"qh'lpvtpcvkp" hki j w'y g'tg'r quv'qpgf ."o cp { "hki j w'y g'tg'ecpegrf 0'Vj g"lphqto cvkp"cdqwf"vj g" hqt vj eqo kpi "gtw vqpu"cpf "vj g'f { pco leu'qh'vj g'f kwtldwkp"qh'cu"j "emqwf u'y cu'r tguvgf "d { "vj g"UXGT V"i tqwr " vq"cm'lpvgtguf "qti cpl'cvkp"u0'

Gzr mqukg" hqt "u"o cm'vq"o qf g'tcv"gtw vqpu"y g'tg"qdugt xgf "qp"vj g"xqrecpqu"Kcp"i tq| p { " *4234." 4235+"cpf "Ej klpnqcp" *4235/4237."4238."4239+"y kj "vj g"go kuukp"qh'cu"j "o cvgtkcn'vq" c"j gli j v'w "vq": "no " *T { dlp"gv'cn0'4232+0'

"Chgt" c"52/ { gct'tguv' r g'tkf ."qp"Upqy "xqrecp"lp" P qxgo dgt"4234."c"r ctcukle"ghwukg"gtw vqpu"rcvuf " hqt "hqt" { gctu"cpf "o cplhgugf "kugh"lp"vj g"qwhqy "qh'rcx" hqy "cpf "y gcm"o clpn { "xcr qt/i cu"go kuukpu0'Ku" o clp'hgcwt gu'y g'tg'uwf kcf "qp"vj g'dcuku'qh'tgo qvg'ugpukpi " f cwc."y j g'tg'cp"gur gekm { "rcti g'lpetgcug"lp"vj g'ctgc" qh'vj g'rcx" hqy "y cu'qdugt xgf " *T { dlp"gv'cn0'4239+0'

Kp"i gpptcn"cu"vj g'r tceveg"qh'vj g'i tqwr "UXGT V"cevkg" "uj qy gf ."ucvngkg"o qpkqt kpi "ku'pqy "vj g'o quv" tgrkcdng"cpf "lphqto cvkg"o g'y qf "hqt"o qpkqt kpi "qh'yj g'cevkg"xqrecpqu"qh'yj g"Mtktg"Krcpf u0'Vj g'lpetgcug"lp" vj g'pwo dgt"cpf "s wvkg { "qh'vj g'qdvkpgf "ko ci gu"j cu'eqpukf gtedn { "gzr cpf gf "vj g'r quukdkkku" hqt "f g'vkvpi "qh" vj gto cncpgo cngcu"cu'hqtgtwppgtu"qh'xqrecple"gtw vqpu"cpf "hqt" f gpvkh { lpi "qh'cu"j go kuukpu0'Qdvkpgf "xkwn" qdugt xcvqpu"cmqy "wu"vq"o qtg'ceewtvgf { "lpvtr tgv'ucvngkg" f cwc0Cv'r tguvgf "vj g'f g'xgnr o gpv'qh'o g'y qf u"qh' ucvngkg"tgo qvg'ugpukpi "ku"vj g'o quv'qr vko cncp"geqpgo lecm { "gzr gf kpv'hqt"uqrlkpi "r tqdng u"qh'xqrecple" j c| ctf "cpf "qr g'tcvkp"leqpt qn'qh'j ctf /vq/tgcej "vgttkqt kgu"qh'vj g"Mtktg"Krcpf u0'

Tghgtgpegu"

I qtf ggx"GOO"i klpk"QOC0"Nwr { cp"GOO0"gv'cn0'lp"qh'to cvkp"U { ugo "XQNUC V X K G Y "hqt"Uqrlkpi "qh" vj g"Vcun"qh'Xqrecple"cevkg" { "O qpkqt kpi "lp" Mco ej cme"cpf "Mtktg"i "Vulkanologiya i Seismologiya."42380' 80Rr 036380'

T { dlp"COK0"Ej kluqxc"O OK0"F gi vgtgx"COK0"i wv { cpqx"XOD0"Xqrecple"cevkg" { "lp"vj g"Mtktg"Krcpf u" lp"" "ZZK" Egpwt { 0'11"Vestnik FEB RAS."42390' "30Rr 0736840'

T{dlp"COK0"Ej kduqxc"O OK0"Mqtqvggx"KI 0Vj g"Rtqdrgo u"qh"O qpkqtkpi "qh"Xqrecple"Cevxkw\ "kp"y g"
Mwtkg"Krcpf u"lI"Vestnik FEB RAS."42320' 50Rr 0866940'
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