

**Magma feeding system of the Klyuchevskaya volcanic group**

GU qtf ggx<sup>13.7</sup>. "KMqwrnqx"<sup>4</sup>. "P Uj cr ktq<sup>13.5</sup>. "KC dnrf { tqx<sup>13</sup>. "E0Ugpu/Uej 3/4phrf gt<sup>6</sup>. "D0NĀj t<sup>6</sup>. "  
 O OY gdtg<sup>6</sup>. "C(Lcmqxrnx"<sup>4</sup>. "F (F tq| plp<sup>7</sup>. "UUgp{ wmx<sup>7</sup>"

<sup>3</sup>"Kpukwng"qh"Xqrepcqmi { "cpf "Ugkuo qmi { ."Het "Gcu/Dtcpej "qh"y g"Twuokp"Cecf go { "qh"  
 Uekpegu."Rgtqr cxmxum"Mcō ej cvun{ ."Twuok"

<sup>4</sup>"Vtqhkō wniKpukwng"qh"Rgtqrngwo "I gqmi { "cpf "I gqr j { uleu."Ukdgtkp"Dtcpej "qh"y g"Twuokp" "" ""  
 Cecf go { "qh"Uekpegu"cpf "P qxqukdktum"Ucvg"Wpkxgtuk{ ."P qxqukdktum"Twuok"

<sup>5</sup>"Kpukww" f g"Rj { uks wg" f w" I m dg" f g" Rctku."Rctku."Htcpeg"

<sup>6</sup>"I H "I gto cp" Tgugctej "Egptg" hqt "I gquekpegu."Rquf co ."I gto cp{ "

<sup>7</sup>"Mcō ej cvnēp"Dtcpej "qh" I gqr j { ulecn"Uwtxg{ "qh"y g"Twuokp"Cecf go { "qh"Uekpegu."  
 Rgtqr cxmxum"Mcō ej cvun{ ."Twuok"

" Mn{ wej gxunē { c"i tqwr "qh"xqrepcqgu"\*MI X+"kp"Mcō ej cvnē "kpenmf gu"y tgg"r t gugpv{ "cevkg"  
 xqrepcqgu"\*Mnwej gxunē { ."Dgl { o kpp{ "cpf "Vqrdcej km="mēcvgf "emug"vq"gej "qy gt"kp"y g"ctgc"qh"  
 cr r tqzko cvgn{ "72z: 2"nō "cpf "j cxkpi "eqo r rēvgn{ "f hhtgtpv"eqo r qukkqp"cpf "gtwr vkp"uv{ rēu0' Kp"  
 4237/4238"y cu"r tqxkf gf "hgrf "gZR gtlo gpv"MKUU (Mn{ wej gxunē { "Kpxguki cvkqp"/"Ugkuo le"Utwewtg"  
 qh"cp"Gz vtcqtf kpct { "Xqrepcle"U{ uvgō +0"; 9"vgo r qtct { "cpf "r gto cpgpv"ugkuo le"ucvkqpu"qr gtcvgf "  
 uko wncpgqun{ "htqo "Cwi wuv" 4237" vq" Lwn{ "42380' Kp" y ku" gZR gtlo gpv" r ctvlekr cvg" Kpuwwng"qh"  
 Rgtqrngwo "I gqmi { "cpf "I gqr j { uleu."UD"TCU."P qxqukdktum=" Kpukwng"qh" Xqrepcqmi { "cpf "  
 Ugkuo qmi { ."HGD"TCU."Mcō ej cvnē="Mcō ej cvnēp"Dtcpej "qh" I gqr j { ulecn"Uwtxg{ "TCU="Kpukww"  
 f g"Rj { uks wg" f w" I m dg" f g" Rctku."Htcpeg"cpf "I gqHqtuej wpi u\ gpvwo ."Rquf co ."I gto cp{ 0'Vj g"  
 pgy "f cvc"qh"y g"MKUU"gzr gtlo gpv"y gt"eqo r rēo gpvgf "y kj "y g" f cvc"tgeqtf gf "d{ "y g"vgo r qtct { "  
 ugkuo le"pgwy qtnēqpuvkpi "qh"44"ugkuo le"ucvkqpu"qr gtcvgf "kp"y g"ctgc"qh"Vqrdcej knlkp"4236/4237"  
 cpf "y qug"qh"y g"RKT"G"pgwy qtnēf gr nq { gf "qp"y g"Dgl { o kpp{ "xqrepcq"kp"422; 0"Kp"vqcnf cvc"y cu"  
 kpxqrxgf "tgeqtf u"htqo "" y g" r gto cpgpv"ugkuo le"pgwy qtn0' I gpgtcm{ "y cu" wugf "f cvc"htqo "37; "  
 vgo r qtct { "cpf "r gto cpgpv"ugkuo le"ucvkqpu0"

Vj g"cttkxcn' vko gu"qh" y g"R" cpf "U"y cxgu"y gtg" kpxgtvgf "d{ "y g" mēcn' gctvj swcng"vqo qi tcr j { "  
 cni qtkj o "vq" f gtlxg"y g"5F "ugkuo le"o qf gni"kp"y g"etwuv'dgpgcvj "y g"MI X"cpf "ceewtcvg"ugkuo lek{ "  
 mēcvkqpu0' C" ppxgn' hgcwtg"qh" y ku"o qf gni"ku" y g"j ki j /tguqnwkp" utwewtg" f ggr gt" y cp" etwuv"  
 dqwpf ct { "52"nō +w" vq"72"nō 0'Vj g"vqo qi tcr j { "tguwmu"cmqy "tgxgcnkpi "y tgg" f hhtgtpv"v' r gu"qh"  
 hggf kpi "hqt" y g"o clp"MI X"xqrepcqgu0' Ceeqtf kpi "vq"y g"pgy "tguwmu."y g"dcucnle"rcxcu"qh"y g"  
 Mn{ wej gxunē { "xqrepcq"cttkxg" f ktgevn{ "htqo "c"t gugt xqk"cv"y g" f gr yj "qh"47/52"nō "y tqwi j "c"pgctn{ "  
 xgtvlecn' r kr g/uj cr gf "eqpf vk0' Vj g"gzr mqkxg"Dgl { o { cpp{ "xqrepcq"ku" hgf "y tqwi j "c" f kur gtugf "

u{uvg "qh'etwucnt'gugt xqtu'y j gtg'ri j vgt'hnuk'o cvgtkn'ugr ctcvgt'htqo "vj g'o che"eqo r qpgp'v'cpf "  
cuegpf u"vq "vj g"wr r gt"etwuv"htqo kpi "cpf guk"o ci o c"uqwtegu'k"Vqndcej km"ny /xkueqwu"i cu"  
ucwtcvgt "dcucnu"cuegpf "htqo "y q"f ggr "tugt xqtu"htqny kpi "c"u{uvg "qh'htcewtgu"kp"vj g"etwuv"  
cuuqekcvgt "y kj "vj g"kvgtugevqp"qh'tgi kqpcn'hwmu'k'y cup)'hqwpf "cp{"o ci o c"ej cpgnu"wpf gt"  
etwuv'Vj g"utwewt g"qp"vj g"f gr vj "52/72"no "cm quv"j qo qi gpgqwu"y kj "ny "R"cpf "U"y cxg"  
xgnqekku'0"

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