"

MODELS OF VOLCANIC ASH PROPAGATION FOR THE EXPLORATION OF EXPLOSIVE ERUPTIONS OF KAMCHATKA VOLCANOES

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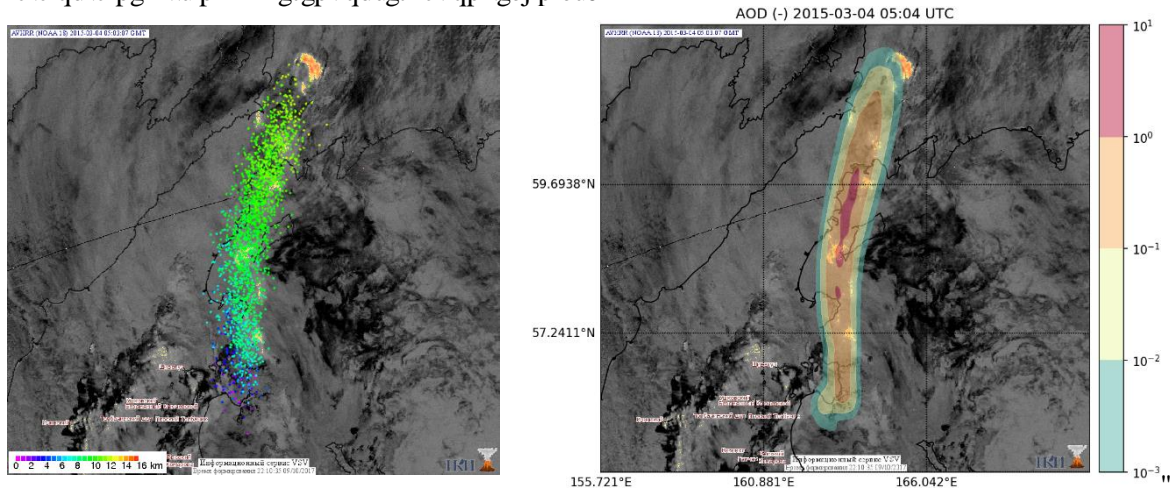
AOD (-) 2015-03-04 05:04 UTC

Fig.1. Comparison of the results of modeling the dispersion of ash after the explosive event on the Shiveluch volcano, which occurred on 03.03.2015 at 22:50 UTC, with the results of processing the AVHRR data from the NOAA 18 satellite. a – PUFF model; b – FALL3D model.

Cm'ecrewncvkqpu"r gthqrm gf "y kj kp"vj g"htco gy qtm'qh"vj g"uwd { y gtg"ecrrkgf "qw"kp"vj g"Uj ctgf "Hcekrkv{ "Egpvgt "õF cvc"Egpvgt "qh"HGD"TCUö"*Mj cdctqxum0'

Vj g"y qrm'y cu'uwr r qrgf "d{ "vj g"Twuukcp"Ukekgpeg"Hqwpf cvkqp"*r rqlgev"Pq038/39/22264 +0'

Tghgtgpegu"

Dgrkj qx" C0D0" Ngi qvkp" F0N0" Uwj qx" C0M0' Uqxtgo gpp{g" mqo r lwgtp{g" o qf grk" tcurrqvtcpgpk{c" | ci r {c| p{wej kj "xgej gvx"x"cvo qur j gtg"11"*Vestnik Kostromskogo Gosudarstvennogo Universiteta Im. N. A. Nekrasova.'42350P q030Rr 036/3; 0'

Equrc"C0" O cegf qpkq"I 0"Hqrej "C0C"vj tgg"f ko gpukqpcn"Gwrgtkcp"o qf gn'hqt"vtcpur qrv"cpf "f gr qukkqp"qh"xqrecpke"cuj gu"11"*Earth and Planetary Science Letters.'42280'Xqr0'4630'P q0'5660'Rr 0'856/8690'f qk "32083238110r un04227083023; 0'

FøCo qwtu" T0'O qf grkpi "vj g"GVGZ "r nwo g"f kur gtukqp"y kj "vj g"Ecpcf kcp"o gri gpe{ "tgur qpug"o qf gn' 11" *Atmospheric Environment.'3; ; 0'Xqr0'540'P q0'460'Rr 0'6557/65630'f qk "3208238IU3574/4532*; ; +223: 4/60'

FøCo qwtu"T0'O cmq"C0'Hrguej "V0'gv'cr0'Vj g"Ecpcf kcp"O gvgqrqmi kecn'Egpvgrøu"Cvo qur j gtke"Vtcpur qrv'cpf "F kur gtukqp" O qf gnkpi " Uwkvg" 11" *Atmosphere-Ocean.' 42370' Xqr0' 750' P q0' 40' Rr 0' 398/3; 0' f qk " 32082: 2129277; 22042360822224820'

Ghtgo qx"X(w0'I ktkpc"Q0C0'Mcro ctgxc"N0U0'gv'cr0'Uq| f cpkg"kphqr cukqppqi q"ugtxkuc"õF kucpwukqpp{k' o qpkqtkpi " cmkxpquk' xwrecpqx" Mco ej cvk' k' Mwtkrö" *Etgcvkpi " cp" kphqr cvkqp" ugtxkeg" õTgo qvg" o qpkqtkpi " qh"cevkxg"xqrecpqgu"qh"Mco ej cvmc"cpf "vj g"Mwtkr'Kurcpf uö+" 11" *Sovremennye problemy distantsionnogo zondirovaniya Zemli iz kosmosa.'42340'Xqr0; 0P q070'Rr 0377/3920'

I qrf ggx"G0M0"I ktkpc"Q0C0"Nqwr cp"G0C0'gv'cr0'Vj g"XqrUcv'Xkgy "kphqr cvkqp"u{uvgo "hqt"O qpkqtkpi "vj g"Xqrecpke"Cevkxkv{ "kp"Mco ej cvmc"cpf "qp"vj g"Mwtkr'Kurcpf u"11" *Journal of Volcanology and Seismology.'42380'Xqr0'320'P q080'Rr 0'5: 4/5; 60'f qk "32083561U296426853828226Z0'

Ky cucmk'V0'O cmk'V0'Mcvc{co c'M0'Vtcegr'tcpur qrv'o qf gn'cv'Lcr cp'o gvgqrqmi kecn'ci gpe{'cpf 'ku'cr r rkecvkqp' vq" vj g" GVGZ " f cvc" 11" *Atmospheric Environment.* 3; ; 0' Xqr0' 540' P q0' 460' Rr 0' 64: 7/64; 70' f qk " 32083238IU3574/4532*; ; +22393/Z0'

O cmqxum{"U0M0"Uqrqmkp"C0C0"Mqrqngx"UR0'Ko r tqxkpi "vj g"u{uvgo "qh"pwo gtkecr'uko wncvkqp"qh"xqrecpke"cuj " r tqr ci cvkqp"wukpi "vj g'RWHH"o qf gn'11"*Russian Journal of Earth Sciences.'42390'Xqr0'390'P q070'GU72250' Rr 03/80'f qk "3204427142390GU2228340'

Rgvgtuqp" T0C0' Rwhh" WCH" Wugt)u" O cpwcn0' 42250' Cxckncdrg" cv " j wr ://y gd0ctej kxg0qri /y gd14234333; 3; 7633lj wr ://r whh0o ci ngu0cncum0.qf w0Ifqe0uj vo r" *ceeguugf " qp" 450250423: +0'

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Uk "D0"Gn'Cm tcqwk"N0"Mct²ecn'X0'gv'cn0'Mqfgmkpi "qh"r tim ctjaegtquqn"kp"vjg"ej gm ke cn'vtcpur qrt"m qfgn' O QECI G:'Fgxgqr m gpv'cpf "gxcnwcvkqp"qh'cgtquqr'j {ukecn'r ctcm gvtkz cvkqpu"1l"*Geoscientific Model Development.*"42370'Xqn0: 0P q040'Rr 05: 3/62: 0'fqk:'32073;;64lio df/: /5: 3/42370'

Uqtqmkp"C0 0"Mqtqngx"UR0'I krkpc"Q0C0'gv'cn0' Vjg "kpvgitctgd "uqhwwctg "r mrhqtm "hqt "c "eom r tgj gpukxg " cpcn{uku'qh'cuj "r nwm g"r tqr ci cvkqp"htqm "gzr mqukxg"gtwr vkqpu"qh"Mcm ej cvmc"xqrecpqgu"1l"*Sovremennye problemy distantsionnogo zondirovaniya Zemli iz kosmosa.*"42380'Xqn0'350P q060'Rr 0;/3;0'

Uvgkp"C0H0"Ftczngt"T0T0"Tqrr j "I0F0'gv'cn0'N QCC¢u"J Y URNKV"Cvm qur jgtke"Vtcpur qrt"cpf "Fkur gtukqp" M qfgnkpi "U{uvgm "1l'*Bulletin of the American Meteorological Society.*"42370'Xqn0'; 80P q0'340'Rr 0'427;/ 42970'fqk:'32030397 1DCO U/F/36/22332030'