

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

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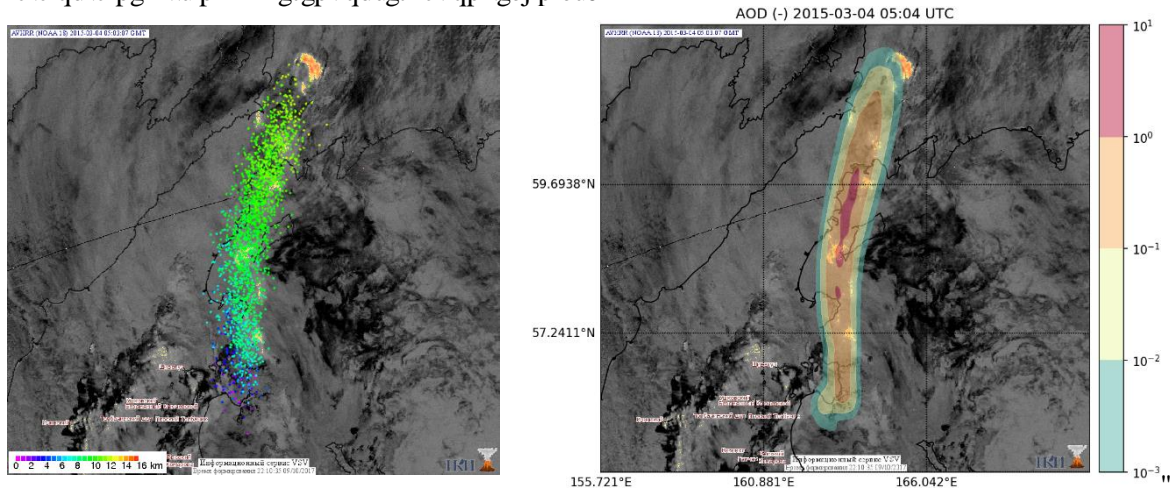


Fig.1. Comparison of the results of modeling the dispersion of ash after the explosive event on the Shiveluch volcano, which occurred on 03.03.2015 at 22:50 UTC, with the results of processing the AVHRR data from the NOAA 18 satellite. a – PUFF model; b – FALL3D model.

Cm'ecre'wrc'v'kpu'r' gthqto gf "y kj kp" y j g "tco gy qtm'qh" y j g "uwwf { "y gtg" ectt'kgf "qw" kp" y j g "Uj ctgf "Hcekrk" Egpvt'ōF c'v' Egpvt' qh' HGD' TCUō' Mj cdctqxum' Vj g'y qtnly cu' uwr r qt' v' d { "y j g' T wu' lcp' Uelkpeg' Hqwpf c'v' kqp" r' tqlgev' P q038/39/22264+0'

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Eqwec" C0" O cegf q'p'k' I 0" Hqrej "C0'C" y j tgg/ f ko gpukapcn' Gwrgt'kcp" o qf gr' hqt" v' t'cpur qt' v' cpf "f gr qukkqp" qh' xqrecple" cuj gu" Il' Earth and Planetary Science Letters."42280' Xqr0' 4630' P q0' 5660' Rr 0' 856/8690' f qk< 320238 Il' q' ur0422703023; 0'

F0Co qwtu" T0' O qf grkpi " y j g" GVGZ" r nwo g" f kur gtukqp" y kj " y j g" Epcpf kcp" go gti gpe { "t'gur qpug" o qf gr' Il' Atmospheric Environment."3; ; : 0' Xqr0' 540' P q0' 460' Rr 0' 6557/65630' f qk< 320238 Il' 574/4532\* ; : +223: 4/ 60'

F0Co qwtu" T0' O cmq" C0' Hq'uej "V0'gv' cr0' Vj g" Epcpf kcp" O gvgqtqmi kcrn' Egpvt' g' C' v' qur j gtle" V' t'cpur qt' v' cpf" F kur gtukqp" O qf grkpi " Uwkq" Il' Atmosphere-Ocean." 42370' Xqr0' 750' P q0' 40' Rr 0' 398/3; ; 0' f qk< 3202: 2129277; 220423602224820'

Gltgo qx" XQ' w0" I k' lpc" Q0C0" M'co etgxc" NU0' gv' cr0' Uq| f cplg" kphqto c'v' kppqi q" ugt' xkuc" ōF k'nc'p'v'kpp {K' o qpkqt'kpi " cmkxpquk" xwmpqx" Mco ej c'v'k' k' M'wtkrō" \*Etgc'v'kpi " cp" kphqto c'v' kqp" ugt' xleg" ōTgo q'v'g" o qpkqt'kpi " qh' c'v'kxg" xqrecp'gu" qh' Mco ej c'v'ne" cpf " y j g" M'wtki' K'urpf uō+ Il' Sovremennye problemy distantsionnogo zondirovaniya Zemli iz kosmosa."42340' Xqr0; 0' P q070' Rr 0377/3920'

I qtf ggx" G00" I k' lpc" Q0C0" Nqwr kcp" G0C0' gv' cr0' Vj g" Xqr' L'c'v' Xlgy "kphqto c'v' kqp" u' ugo "hqt" O qpkqt'kpi " y j g" Xqrecple" C'v'kxk { "kp" Mco ej c'v'ne" cpf "qp" y j g" M'wtki' K'urpf u" Il' Journal of Volcanology and Seismology." 42380' Xqr0320' P q080' Rr 05: 4/5; 60' f qk< 320356 Il' 296426853828226Z 0'

Ky cucn'k' V0' O cnk' V0' M'v'c { co c' M0' Vtcegt' v' t'cpur qt' v' o qf gr' c'v' Lcr cp' b' gvgqtqmi kcrn' c' gpe { "cpf "ku' cr r r' nec'v'kqp" vq" y j g" GVGZ" f c'v' Il' Atmospheric Environment." 3; ; : 0' Xqr0' 540' P q0' 460' Rr 0' 64: 7/64; 70' f qk< 320238 Il' 574/4532\* ; : +22393/Z 0'

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 Volcanology and Geothermal Research*. "3; ; : 0'Xqr0': 20P q03/40Rr 0'3/380'

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 problemy distantsionnogo zondirovaniya Zemli iz kosmosa*. "42380Xqr0'350P q0'60Rr 0'; /3; 0'

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 O qf gnkpi "U{uwo "ll"*Bulletin of the American Meteorological Society*. "42370Xqr0'; 80P q0'340Rr 0'427; /  
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