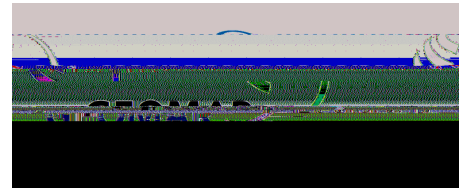


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**GEOMAR study provides new insights into the largest volcanic eruption in Europe
in the last 10,000 years**

03 May 2023 / Kiel. Many devastating volcanic eruptions in history have occurred at island volcanoes, meaning that much of the eruptive material has been deposited on the seafloor.



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2(&(, .Z;+)?&+3&)+/7.4&!QZ["&*O<-*&D-)(= .2./3&&

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\ (/&2; .-/&*+)*O)+2-(,3&(?&2; .&5()*+ ,-*&=+7 , -206.4&2; .&/ .3. +/*; . /3&* (=<- , .6&6-?? . / . , 2& = .2; (63&?/(=& 3.5./+)&/ .3. +/*; &* /O-3.3&& \ (/& . : +=1).4&2; . @& C . / . & +<).&2 (&6.2. *2&+3; &6.1 (3-23&?/(=&2; . & M- , (+, & . /O12-(, & , & [" & 3.6- = . , 2& * (/ .3& * () . *2.6&60/- , 7&/ .3. +/*; &* /O-3.&] LP^"%& +< (+/6&2; . & / .3. +/*; & 5.33.)&] LPKGLS& , & !\$" _4& + , 6&2; . / . < @& 6.2. / = - , . &2; . & +3; &5()O = . & (?&2; . & . /O12-(, && ` . *+O3.& .R. *2.6&=+7 = +&3()6-? . 3&- , 2 (& = +2. / - +)&C-2; &5+/@- , 7&1 (/ (3-2- .34&2; . @&03.6&+&* (=102.6&2 (= (7/+1; @Z <+3.6&2. * ; , -V0.&2 (&6.2. / = - , . &2; . &6. , 3-2@& (?&2; . &3.6- = . , 2&* (/ .3&+ , 6&2; O3&2; . & +*20+)&10/ . & = +7 = +& 5()O = . & .R. *2.6&& a3- , 7&3 .-3 = -*&/ . ?) . *2- (, &6+2+&?/(=&/ .3. +/*; &* /O-3.&] LP^%W4&2; . @&+)3 (&-6. , 2-? . 6& + , 6&* ; +/+*2. / - A.6&2; . &6.1 (3-2- (, & (?&1@/(*) +32-*&?) (C3&b&+5+) + , * ; .3& (?& ; (2&7+3.34&+3; 4&+ , 6&6. < / -3& .R. *2.6&<@&&2; . &5() + , -*& . /O12-(, &b&+ / (O , 6&2; . &-3) + , 6&&> ; .3. &6+2+&+)3 (& . , +<) .6&2; . = &2 (&* ; +/+*2. / -3. & = +2. / - +)&2; +2&? .)&- , 2 (&2; . &* . , 2. / & (?&2; . &* / +2. /4&D , (C , &+3&2; . &* +)6. / +&&

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O(=<- , - , 7&2; . &6+2+&* () . *2.6&2; . &3*- . , 2-323&C . / . & +<) . &2 (&6/+C&* (, *) O3- (, 3&+< (O2&2; . & . : 2 . , 2& (?&2; . & M- , (+, & . /O12-(, && > ; -3& -3&2; . & ?- /32&2- = . &2; +2& 30* ; &1/ . * -3. &5+)0.3& ; +5.& < . . , &*+)*O)+2.6&?(/& +)& - , 6-5-60+)&* (=1 (, . , 23&& K32- = +2.3& (?&2; . & . /O12-(, &5()O = . & C . / . &1/ .5-(O3)@& <+3.6& .-2; . / & (, & .32- = +2.3& (?&2; . &5()O = . & (?&2; . &*+)6. / +&* () +13.& (/ & (, &- , * (=1).2.& .32- = +2.3& (?&2; . & . /O12-(, & 1/(60*23&&

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T' () * + , -*& . /O12-(, 3&*+ , &* (323&)-5.3&+ , 6&+?? . *2&*)- = +2.8&L0/&/ .30)23&* (, 2/ -<O2.&+ , (2; . /&1- . * . &2 (&2; . & 10AA) . & (?&0 , 6. /32+ , 6- , 7& . : 1) (3-5. &5() * + , -*& . /O12-(, 3&+ , 6&2; . - /& = +7 , -206.34&C ; -* ; &3 ; (O)6&) . +6&2 (& - = 1/ (5.6&/-3D&+33.33 = . , 234T&+663&G/8&I + /32 . , 3&&

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Reference:

I + /32 . , 34&H84&] / . - , . 4&H84&O/O2* ;) . @4& J8H84& I O22 . / () ?4&P84&5+ , &6. / & ` -)24& U8& J8&M84&B ((?24

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