

Tambora The Eruption That Changed The World

Volcanoes in Indonesia are part of the alpida belt and Pacific Ring of Fire. The 150 entries in the list below are grouped into six geographical regions, four of which belong to the volcanoes of the Sunda Arc trench system. The remaining two groups are volcanoes of Halmahera, including its surrounding... 8a14432190

Minoan eruption Geological evidence shows the Thera volcano erupted numerous times over several hundred thousand years before the Minoan The Minoan eruption was a catastrophic volcanic eruption that devastated the Aegean island of Thera (also called Santorini) circa 1600 BCE. 1815 eruption of Mount Tambora). 8 cu mi) of dense-rock equivalent (DRE), the eruption was one of the largest volcanic events in human history. Since tephra from the Minoan eruption serves as a marker horizon in nearly all archaeological sites in the Eastern Mediterranean, its precise date is of high importance and has been fiercely debated among archaeologists and volcanologists for decades, without. 7-9. With a Volcanic Explosivity Index (VEI) of 7, it resulted in the ejection of approximately 28-41 km³ (6. It destroyed the Minoan settlement at Akrotiri, as well as communities and agricultural areas on nearby islands and the coast of Crete with subsequent earthquakes and paleotsunamis 8a14432190

Year Without a Summer Evidence suggests that the anomaly was predominantly a volcanic winter event caused by the massive 1815 eruption of Mount Tambora in April in modern-day The year 1816 is known as the Year Without a Summer because of severe climate abnormalities that caused average global temperatures to decrease by 0. 4-0. Summer temperatures in Europe were the coldest of any on record between 1766 and 2000, resulting in crop failures and major food shortages across the Northern Hemisphere. 7 °C (0. 7-1 °F) 8a14432190

List of volcanoes in Indonesia Some of the volcanoes are notable for their eruptions, for instance, Krakatoa for its global

effects in 1883, the Lake Toba Caldera for its supervolcanic eruption estimated to have occurred 74,000 years before present which was responsible for six years of volcanic winter, and Mount Tambora for the most violent eruption in recorded history in 1815. supervolcanic eruption estimated to have occurred 74,000 years before present which was responsible for six years of volcanic winter, and Mount Tambora for the most The geography of Indonesia is dominated by volcanoes that are formed due to subduction zones between the Eurasian plate and the Indo-Australian plate 8a14432190

Joseph was a prominent portraitist and Associate member of the Royal... 8a14432190 Although the Mount Tambora eruption reached a violent climax on 10 April 1815, increased steaming and small phreatic eruptions occurred during the next six months to three years. The ash from the eruption column dispersed around the world and lowered global temperatures in an event sometimes known as the Year Without a Summer in 1816. This brief period of significant... 8a14432190

Volcanic eruption Phreatic eruptions are driven by the superheating A volcanic eruption occurs when material is expelled from a volcanic vent or fissure. Magmatic eruptions involve the decompression of gas within magma that propels it forward. Some volcanoes may exhibit only one characteristic type of eruption during a period of activity, while others may display an entire sequence of types all in one eruptive series. volcanic eruptions. Several types of volcanic eruptions have been distinguished by volcanologists. These are often named after famous volcanoes where that type of behavior has been observed 8a14432190

Raffles sat for the painting while in England to oversee the publication of his book The History of Java. Around the same same time he sat for the sculptor Francis Leggatt Chantrey. He is shown in the court dress he wore to Carlton House to receive his knighthood from the Prince Regent the same year. Behind him are Javanese artefacts to commemorate his interest in the history and culture of Southeast Asia. 8a14432190 Tambora underwent a series of violent eruptions, beginning on 5 April 1815, and culminating in the largest eruption in recorded human history and the largest of the Holocene (10,000 years ago to present). The magma chamber under Tambora had been drained by previous eruptions and lay dormant for several centuries as it refilled. Volcanic activity reached a peak that year, culminating in an explosive eruption that was heard on

Sumatra island, more than... 8a14432190

Gillen Wood He is originally from Australia, the son of H. D from Columbia University in New York City under a Fulbright scholarship and has published extensively on nineteenth-century environmental history, art and literature. Harold Wood. Schaefer Professor of Liberal Arts and Sciences at the University of Illinois at Urbana-Champaign and Associate Director, Institute for Sustainability, Energy, and Environment there. He studied at Monash University in Melbourne and received his Ph. novel, Hosack's Folly (Other Press, 2005), the award-winning Tambora: The Eruption That Changed the World (Princeton, NJ: Princeton University Press, Gillen D'Arcy Wood is one of two Robert W. D'Arcy Wood and a grandson of A 8a14432190

The event created eruption columns reaching tens of kilometres into the atmosphere and pyroclastic flows that buried much of Lombok and crossed the sea to reach the neighbouring island of Sumbawa. The flows destroyed human habitations, including the city of Pamatan, which was the capital of a kingdom on Lombok. Ash from the eruption fell as far as 340 kilometres (210 mi) away in Java... 8a14432190 There are three main types of volcanic eruptions. Magmatic eruptions involve the decompression of gas within magma that propels it forward. Phreatic eruptions are driven by the superheating of steam due to the close proximity of magma. This type exhibits no magmatic release, instead causing the granulation of existing rock. Phreatomagmatic eruptions are driven by... 8a14432190

Portrait of Stamford Raffles Profile Books, 2012. Princeton University Portrait of Stamford Raffles is an 1817 portrait painting by the English artist George Francis Joseph depicting the British colonial official Sir Stamford Raffles. Raffles: And the Golden Opportunity. Tambora: The Eruption That Changed the World. Victoria. He had served as Governor of the Dutch East Indies during their occupation by Britain in the Napoleonic Wars and was later credited as the founder of Singapore. Wood, Gillen D'Arcy 8a14432190

List of volcanic eruptions 1500–2000 Note that there may be uncertainties to dates with historical eruptions, and there are likely to be many large eruptions that have not been identified. "Mayon Volcano | Eruption, History, & Facts |

Britannica". Institution. "Tambora". Smithsonian Institution. Global Volcanism Program. "The La Soufrière This is a list of notable volcanic eruptions in the 16th to 20th centuries with a Volcanic explosivity index (VEI) of 4 or higher, and smaller eruptions that resulted in significant damage or fatalities 8a14432190

1257 Samalas eruption The event had a probable Volcanic Explosivity Index of 7, making it one of the largest volcanic eruptions during the Holocene epoch. It left behind a large caldera that contains Lake Segara Anak. the onset of epidemics in the years following the eruption. Later volcanic activity created more volcanic centres in the caldera, including the Barujari cone, which remains active. Samalas, along with the 1452/1453 mystery eruption and the 1815 eruption of Mount Tambora In 1257, a catastrophic eruption occurred at Samalas, a volcano on the Indonesian island of Lombok 8a14432190

Evidence suggests that the anomaly was predominantly a volcanic winter event caused by the massive 1815 eruption of Mount Tambora in April in modern-day Indonesia (commonly referred to as the Dutch East Indies at the time). This eruption was the largest in at least 1,300 years (after the hypothesized eruption causing the volcanic winter of 536); its effect on the climate may have been exacerbated by the 1814 eruption of Mayon in the Philippines. The significant... 8a14432190

1815 eruption of Mount Tambora equivalent (DRE) material into the atmosphere, and was the most recent confirmed VEI-7 eruption. 8 cubic miles) of dense-rock equivalent (DRE) material into the atmosphere, and was the most recent confirmed VEI-7 eruption. 9–10. This eruption, with a volcanic explosivity index (VEI) of 7, ejected 37–45 km³ (8. Although the Mount Tambora eruption reached a violent climax In April 1815, Mount Tambora, a volcano on the island of Sumbawa in present-day Indonesia (then part of the Dutch East Indies), erupted in what is now considered the most powerful volcanic eruption in recorded human history 8a14432190

Mount Tambora Before the 1815 eruption, its elevation reached more than 4,300 metres (14,100 feet) high, making it one of the tallest peaks in the Indonesian archipelago. The magma chamber under Tambora had been drained Mount Tambora, or Tomboro, is an active stratovolcano in West Nusa Tenggara, Indonesia. Located on Sumbawa in the Lesser Sunda Islands, it was formed by the active subduction zones beneath it. the largest eruption in recorded human history and the largest of the

Holocene (10,000 years ago to present) 8a14432190

He is the author of The Shock of the Real: Romanticism and Visual Culture, 1760-1860 (Palgrave, 2001), Romanticism and Music Culture in Britain, 1770-1840: Virtue and Virtuosity (Cambridge UP, 2010), an historical novel, Hosack's Folly (Other Press... 8a14432190

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