

these openings presents a truly novel spectacle. From some, and occasionally indeed from the same mouth, the streams may be seen pressed forward transversely, or in curved segments, while other channels present a floating appearance; occasionally the circular tortuous masses resemble gigantic cables, or are drawn into cords, or even capillary threads, finer than any silken thread, and carried to a great distance by the wind. The activity of these funnels may be inferred from the quantity of slag lying round them, its size, and the distance to which it has been thrown. Walking was rendered dangerous by the multitude of fissures, many of which are but slightly covered by a thin crust, and every where our progress was exceedingly laborious and fatiguing. As we continued to ascend, the cold and fatigue disheartened the Islanders, who required all the encouragement I could give, to induce them to proceed. As I took the lead, it was needful for me to look behind me continually, for when once out of sight, they would pop themselves down, and neither rise nor answer to my call. After resting for a few minutes at the last station, I proceeded about seven miles further, over a similar kind of formation, till I came to a sort of low ridge, the top of which I gained soon after eleven P. M., the thermometer indicating  $37^{\circ}$ , and the sky very clear. This part was of gradual ascent, and its summit might be considered the southern part of the dome. The snow became very deep, and the influence of the sun melting its crust, which concealed the sharp points of the lava, was very unfavorable to my progress. From this place to the north, towards the centre of the dome, the hill is more flattened. Rested a short time, and a few minutes before noon, halted near the highest black shaggy chimney, to observe the sun's passage. In recording the following observations, I particularly note the places, in order that future visitors may be able to verify them. To the S. W. of this chimney, at the distance of one hundred and seventy yards stands a knoll of lava, about seventy feet above the gradual rise of the place. The altitude was  $104^{\circ}. 52'. 45''$ . This observation was made under highly favorable circumstances, on a horizon of Mercury without a roof, it being protected from the wind by a small oil cloth—bar.  $18^{\circ}. 953''$ . therm.  $51^{\circ}$ ; in the sun's rays  $43^{\circ}. 5'$ , and where buried in the snow  $31^{\circ}$ ., the dew point at  $7^{\circ}$ !! Wind, S. W. The summit of this extraordinary mountain is so flat, that from this point no part of the Island can be seen, not even the high peaks of Mouna Kuah, nor the distant horizon of