August 12, 2018 was the date that the calendar wore,

To carry out a mission that has never been done before.

3, 2, 1 LAUNCH! The Delta IV took off as its rockets roared,

Carried the Parker Solar Probe concealed inside as it soared.

To reach the Sun’s Corona, was the probe’s primary chore,

The outer layer of the Sun, having a temperature far more.

The dangerous, fierce and fiery solar winds the Sun poured,

Why affected our magnetosphere? Parker Solar Probe explored.

Delta IV provided the probe with thrust to leave the Earth’s shore,

The probe left its home, now spun in the orbit at Earth’s door.

But the stay wasn’t long as it moved through the space floor,

Put a little brake on itself to take an orbit around the Sun’s furthest door.

Then comes the Venus’ strive to provide a little push to probe’s flight,

Interplanetary gravity assists to make its path around the Sun more tight.

The probe then continued its course of flight,

A couple more years passed, with the Sun in sight.

But April 28, 2021 was the day it finally reached its site,

Solar wind particles gushing over the probe all too bright,

The Solar Probe Cup bravely peaking out, giving us valuable insight.

The task wasn’t easy as the bar set had sky-high height,

Structure needed to be tenfold durable while being just as light.

Niobium, Hafnium, Tungsten and Titanium brought their might,

While carbon foam heat shield protected them covered in all white.