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Completed Flora of Cumana;



Geologically examined the eastern part of peninsula of Araya;



Observed eclipses of satellites, which confirmed the longitude of the place already obtained by other means;



Performed experiments on extraordinary refractions, evaporation, atmospheric electricity;



Examined the influence which the changes at the bottom of the sea produce on its temperatue at the surface;



Ascertained astronomical position of several towns on the shore; Traced the map of Rio Magdalena;

Determined astronomically the position of 80 points (situated in inland country between Cartagena, Popayan, the upper course of river Amazon and Lima); Discovered error in longitude of Quito;



Collected several 1000 new plants;



Observed on a vast scale the relations between the rocks of syenitic porphyry and trachyte, with the fire of volcanoes;

Author: Sigita Grīnfelde, Vienna University of Technology Sources: content -"The Life, Travels and Books of Alexander Von Humboldt", Richard Henry Stoddard; ocean bottom relief - Natural Earth;