

OUR LADY OF GUADALUPE

Miraculous Findings of the Tilma

THE FABRIC

- *After much human contact by scientists' examinations and pilgrims kissing it, the tilma is still in good condition with the cloth it was made of that ordinarily would have lasted no more than 25-30 years has now lasted over 500 years.*
- *The backside of the cloth is rough and coarse while the front side is as soft as silk.*
- *NASA scientists have no explanation as to how the image got on the cloth; no brush strokes or stretch marks on it.*
- *Image seems to increase and decrease owing it to the unknown property of surface and substance of which it is made.*

THE IMAGE

- *Colors float above the surface of the Tilma at a distance of 3/10th of a mm or (1/100 of an inch).*
- *When cloth examined at a distance less than 10 inches, colors totally disappear.*
- *Pigment of the fabric used were from no known source; whether natural, animal, mineral, or vegetable.*
- *After filtering and processing the digitized images reveal that portion of the face, hands, robe, and mantle had been painted in one step, with no sketches, or corrections, and no visible brush strokes or sizing used that smoothed the surface and no protective varnish covering the surface.*
- *Image changes in color slightly depending on the angle of viewing, a phenomenon known as "iridescence", a technique that cannot be reproduced with human hands.*
- *What and how the colors of the image appeared on the cloak remains a total scientific mystery.*
- *The Virgin's head is slightly tilted to her right and had she not done so the center stitch, which holds the Tilma together, would have divided her face in two.*
- *Specialists at Kodiak Corporation in Mexico explain the Image is smooth and bears more resemblance to a photograph than anything else.*
- *Our Lady's height in the Image is 4'8" and of a woman of 18-20 years old. The face is that of a "metiza" which is a mixture of Spanish and Indian race as a result of intermarriage.*
- *The Tilma maintains a constant temperature of 36.6 degrees (98.6 Fahrenheit), that of a living person.*
- *Carlos Fernandez del Castillo, a gynecologist, examined the Image and indicates stage of pregnancy on December 9th for Jesus birth to occur on Christmas day. A stethoscope placed below the black band at the waist of Our Lady and he heard rhythmic repeating heartbeats at 115 beats per minute, the same as that of a baby in the womb.*
- *The stellar arrangement that appear on the Mantle of Our Lady, accurately display the various constellations of the Mexican sky the day of the apparition occurred which was in the winter-morning solstice of December 123, 1531, Saturday, at 10:26 a.m.*

(CONTINUES ON OTHER SIDE)

- *The star map is in the reverse (the cardinal axis rotated 90 degrees counterclockwise) provides a view of the constellations from beyond them, as it would be seen looking through them toward the earth.*
- *It has been also found that imposing a topographical map of central Mexico on Our Lady's dress, the mountains, river, and principal lakes coincide with the decoration on the dress.*

OUR LADY'S EYES

- *It was discovered that the reflection of Bishop Juan de Zumarraga looking in astonishment in the pupil of Our Lady's eyes.*
- *When exposed to light, Our Lady's eye contracts and dilates when light is withdrawn.*
- *Our Lady's eyes have been ophthalmologically determined to be alive on the Tilma.*
- *In 1976, some twenty doctors had confirmed, orally and in writing, the "unexplainable presence" of a man with a beard in the cornea and lenses of the Virgin.*
- *By 1979, Dr. Jose' Aste Tonsmann, PhD., a Peruvian ophthalmologist and an expert at IBM in the digital processing of images, and who for over 20 years studied the Tilma, digitally enlarges the Image of Our Lady's eyes by 2,500 times the actual size under extremely high resolution and had found not only a single figure, but images of the witnesses present when the Tilma was first revealed before the Bishop in 1531, including a small family group, 13 persons in all. In addition, Dr. Tonsmann used digital technology similar to that used in the images received from satellites and space probes in transmitting visual information. The image of the Bishop Zumarraga in the eyes of Our Lady was also enlarged 1,000 times than the actual size to be able to see what is reflected in his eyes. The eye of the Bishop contains the image of Juan Diego opening his Tilma before the bishop. The size of the image is a quarter of a micron, which is 1/4 of a millionth of a millimeter.*

MIRACLES ATTRIBUTED TO THE IMAGE OF OUR LADY OF GUADALOUPE

- *On December 26, 1531, only days after the miraculous image of Our Lady on the Tilma of Juan Diego, the Chichimeca Indians were celebrating the newly built chapel with dancing and bows and arrows, on the Indians was struck in the neck, immediately killing him. They carried him within the chapel and laid him beneath the sacred image and prayed fervently for a miracle. Shortly after removing the arrow from his neck, the man regained consciousness and rose, completely healed.*
- *9 million Indians were converted to Christianity within just a short few years.*
- *This conversion of Indians also brought a halt to the pagan rituals of human sacrifice.*
- *Spaniards and Mexicans who were mortal enemies embraced one another with affection.*
- *On November 14, 1921, a Spanish anarchist, Luciano Perez, planted 29 sticks of dynamite in a flower arrangement of the altar under the Tilma. When it exploded all the marble altar, railing and floor were broken, however, the normal glass which encased the Tilma, and the Tilma itself was remarkable all intact. Now, the Tilma is preserved in a bullet proof glass in the Basilica of Guadalupe.*