$$K = \frac{[CaT^-][HCO_3^-]}{[HT^{2-}]} = \frac{K_{sp} \times K'}{K_{a2}} = \frac{4.47\times10^{-9}\times7.75\times10^{-3}}{4.69\times10^{-11}} = 0.739$$

$[CaT^-] = [HCO_3^-] = 1.00\times10^{-3}$ and $[HT^{2-}] = 1.35\times10^{-6}$