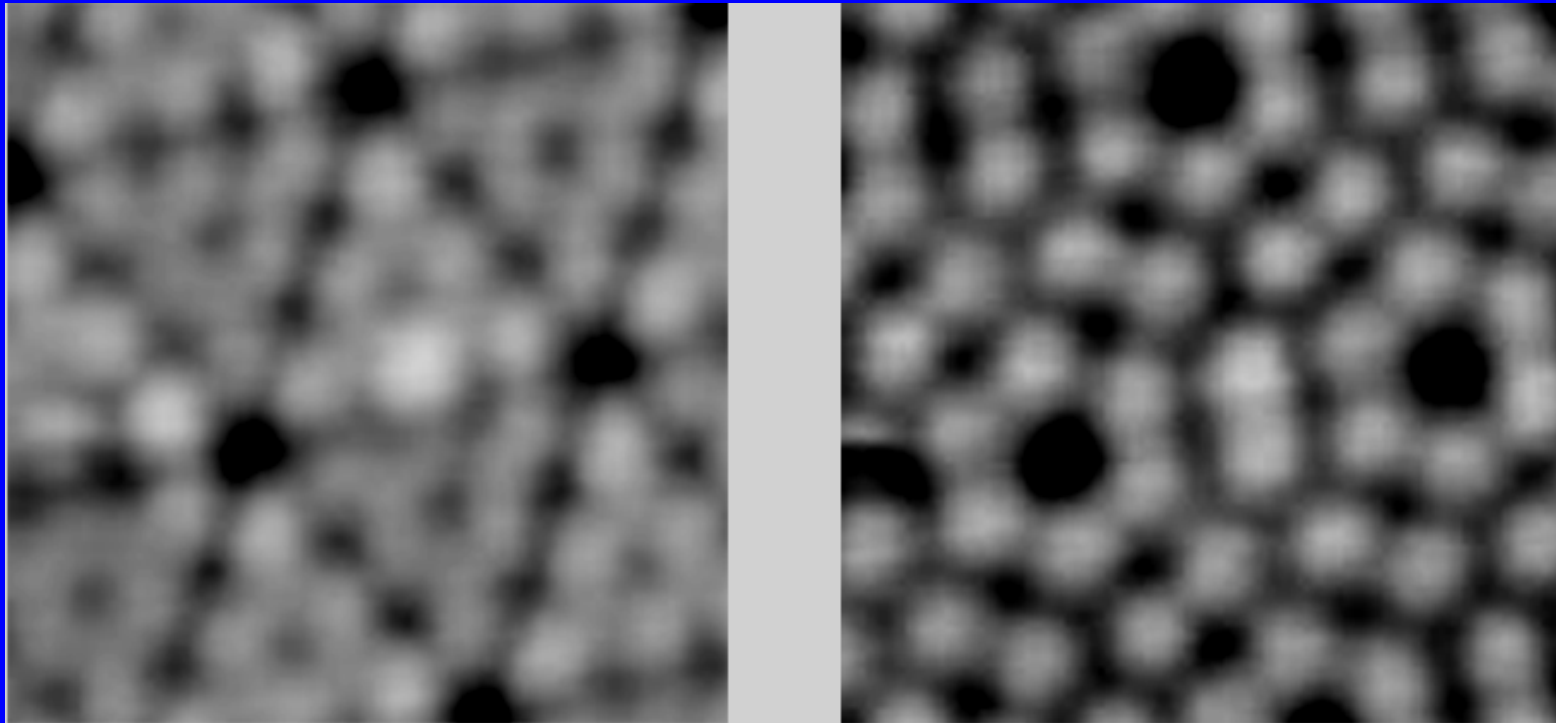


Dynamics of O atom on Si(111)-7x7 surface

Hopping of O atom at 340 °C :
-2.0V/1.7V, 0.1 nA

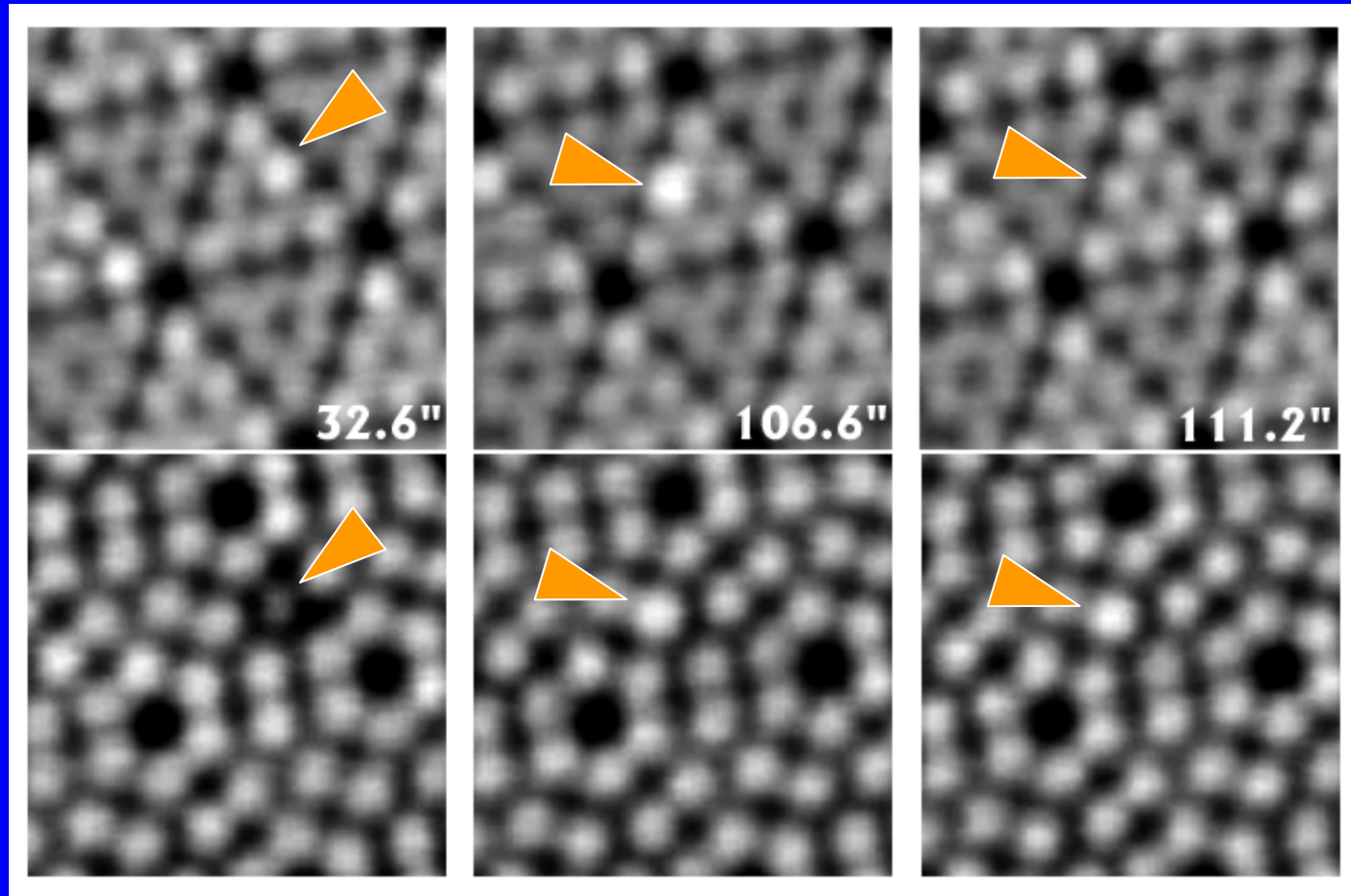


States of O atom

on-top state

B states (B_s and B_w)

X state



Dual-polarity images: $-2.0 / 1.7$ V, 0.1 nA