III-V semiconductor based infrared detectors and focal plane arrays DAVID Z.-Y. TING, S. V. BANDARA, C. J. HILL, S. D. GUNAPALA, J. K. LIU, J. M. MUMOLO, S. A. KEO, E. R. BLAZEJEWSKI, Jet Propulsion Laboratory, California Institute of Technology, Y.-C. CHANG, U. of Illinois at Urbana-Champaign, S. B. RAFOL, Infravision Systems — We report recent results in III-V semiconductor based infrared detectors, including quantum well infrared photodetector (QWIP) based simultaneous dual-band infrared focal plane array, quantum dot infrared photodetector (QDIP) based large-format long wavelength infrared focal plane array, and development in far infrared photodetectors.