

IAF EARTH OBSERVATION SYMPOSIUM (B1)
Interactive Presentations - IAF EARTH OBSERVATION SYMPOSIUM (IP)

Author: Mr. David Harrison
United States

COMPLEX OPTICAL COATINGS FOR EARTH OBSERVATION

Abstract

Materion Optics Balzers has 40+ years of experience in providing optical coatings for earth observation. Covering wavelengths from UV (180nm) through LWIR (20um +). This presentation intends to demonstrate our heritage and capability to manufacture such complex optical coatings. The coatings to be presented include broad range dichroic beamsplitters (VIS-LWIR), ultra-narrow bandpass filters (± 1 nm), step slope edge filters, high reflecting mirrors as well as optics up to 1 meter in diameter. This paper will also include current (TRL9) and future (in development) information on multispectral and hyperspectral coatings assemblies.