

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

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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 (1nm), 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.