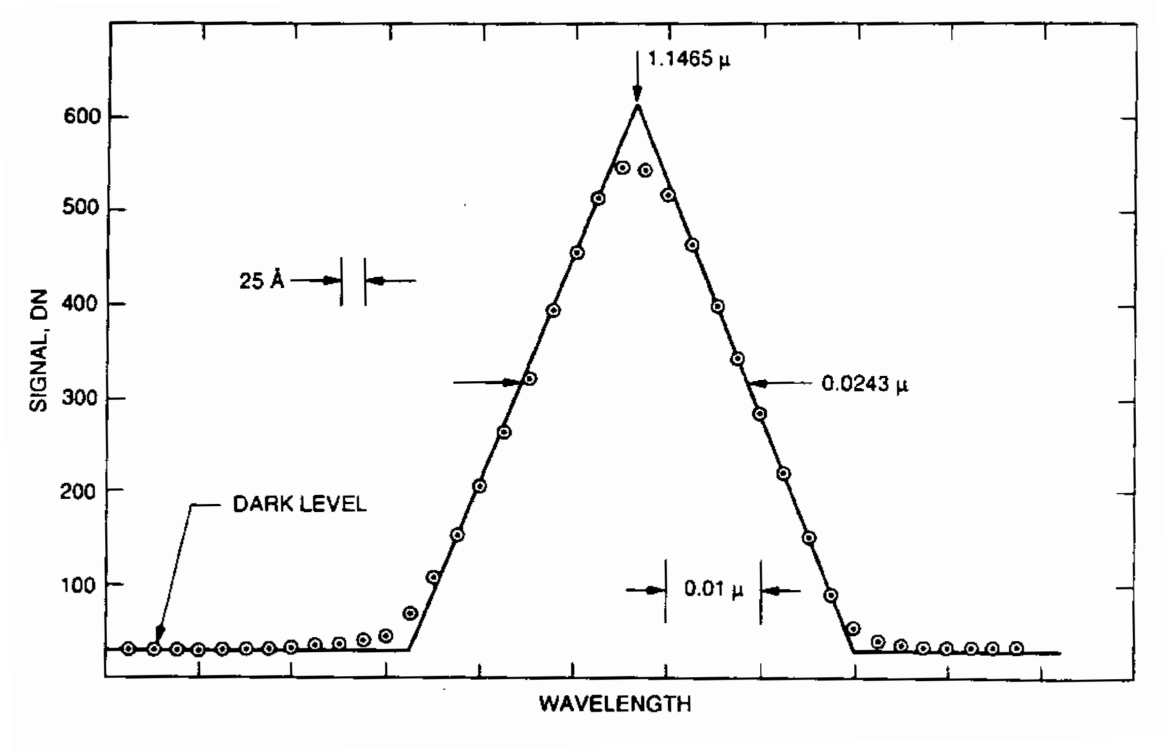

Fig. 11. Spectral Bandpass Response.

This Figure illustrates the spectral response of the instrument for a given detector and grating position, in this case Det. 3 and Position 13. An input monochromator, with a spectral bandpass of 25 A, was varied in wavelength to determine this instantaneous spectral response. The ideal response of the NIMS instrument is expected to be triangular, with a full-width-at-half-maximum (FWHM) bandwidth of 0.0250 microns. The experimental results are seen to be close to expectation. Roughly one half of the slight broadening is due to th finite bandwidth of the input monochromator, with the remainder arising from the finite spot sizes (abberations) of the NIMS spectrometer optics.