

# Archimedes Palimpsest Images

## Optical Image Collection

Original TIFF Image of one section of Bifolia 18 MB  
Stitched TIFF Image of ten original images of Bifolia sections 108 MB

Three images for each Bifolia section or stitched Bifolia:  
Tungsten Light, Ultraviolet light, Pseudocolor Processed Image

Sectional Images 18MB × 3 = 54 MB  
Stitched Images 108MB × 3 = 324 MB

Collection Phase	Raw Data	Processed and Stitched Data (GB)
		(includes experiments and El Greco imaging)
Phase I (summer 2000)	6.6	24.90
Phase II - 1A (April 2001)	6.1	25.40
Phase II - 1B (November 2001)	12.0	35.00
Phase II - 2A (June 2002)	20.0	28.80
Phase II - 2B (January 2003)	14.5	35.50
Phase II - 3A (November 2003)	12.8	37.50
Phase II - 3B (November 2004)	32.9	35.40
Phase II - 4A (June 2006 est.)	7.0	28.00 (production digital imaging)
Heiberg Data		48.00
Cambridge Leaf from Nigel		<u>1.00</u>
<b>Totals (GBytes)</b>	<b>154.6</b>	<b>230 GB</b>

**Total of optical images on disk drives, including browser, stitching files, and logs: 248 GB**

## XRF Data Collection and Image Production

ASCII Data from single XRF scan of about 40x20 mm is approximately 32MB  
TIFF derived image is approximately 10% of the size, or about 3 MB