I. Borrow the aerial photos:There are 1-2 persons to investigate and record the quantity and quality of the loaning aerial photos. (See graph 1)

Graph 1: Arrange and verify the volumes of the aerial photos.

II.Classify the aerial photos: Assign numbers to each photo in every scroll of aerial-films by the professionals, and note the suitability for scanning the aerial photos(See graph 2).

Graph 2: An aerial photo full of clouds.

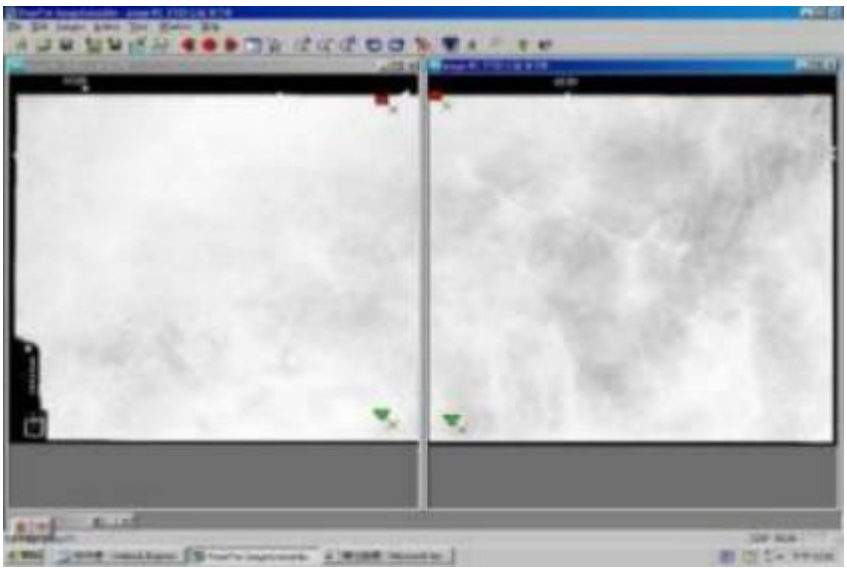
III. Clean up the aerial photos: Assign each aerial photo a scanned number, check if the condition of the photo can be scanned, and then clean up before scanning. (See graph 3)

Graph 3: Clean up the aerial photos

IV Scan: After confirming the quantity of the aerial photos, we start to scan. An aerial photo needs scanning twice and mosaicking due to the size itself. The plat scanner can scan 30 sheets of aerial photos per day. (See graph 4)

Graph 4: The aerial photo scanner

V Image mosaicking: We use PanaVue Image Assemble software to mosaic by measuring a junction point that locates in two images. This procedure takes about 10 minutes. (See graph 5)

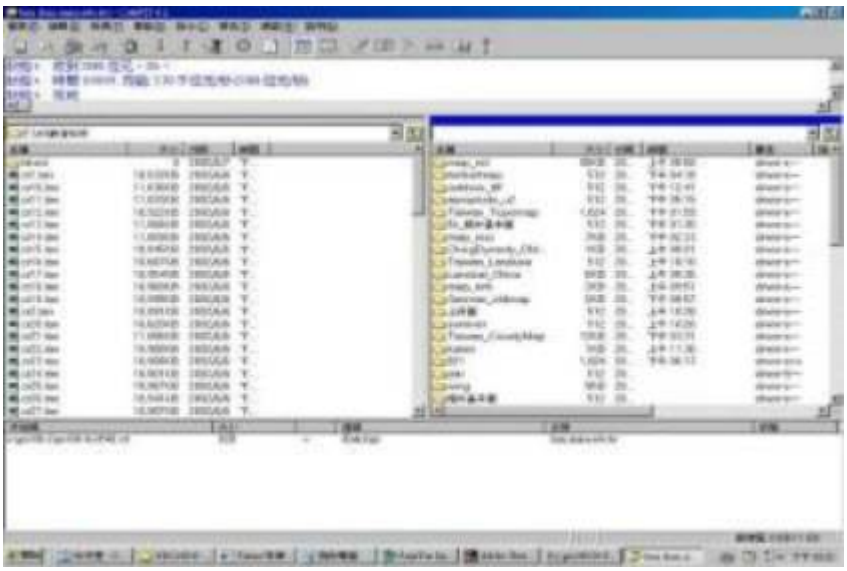


Graph 5: Mosaic scanned images into one with the software

VI The adjustment and inspection of images: The mosaicked images require adjustment and inspection to verify if the mosaic is complete and is restored to the scanned image without any mark creating by mosaicking.

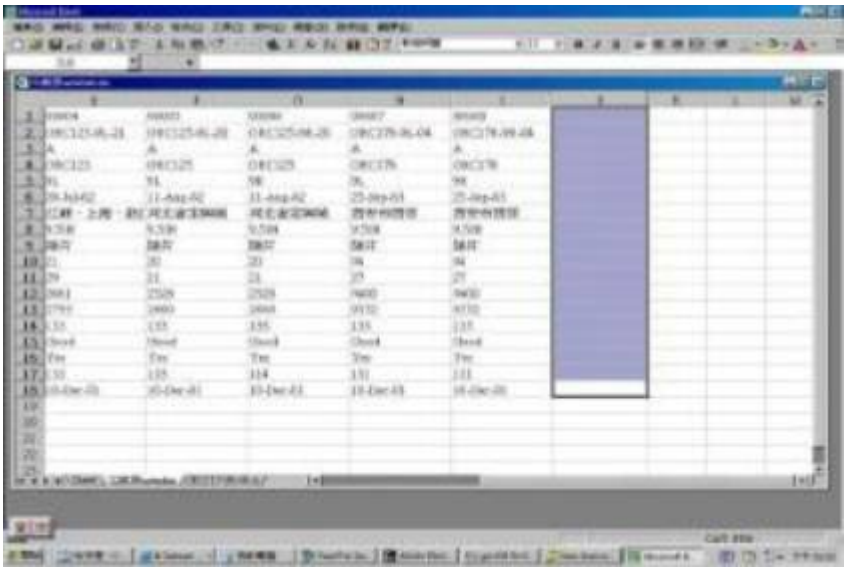
Graph 6: The adjustment and inspection of images for correcting the mosaicked image.

VII Backup: Upload the scanned image to the storages. It takes about half a working day to finish the backup procedure of uploading a batch of scanned images. (Shown in graph 7)



Graph 7: Uploading the scanned images to the storages for permanent preservation.

■VIII Recording metadata: Producing metadata to record the volumes, numbers, snapping positions and dates of the aerial photos, and the considerations of the original films.(See graph 8)



Graph 8: Recording the relational information of the scanned images in metadata.>

■VIIII Producing barcode: Using the software developed by our team, we print the information of the aerial photos on the barcodes (See graph 9). Next we stick these barcodes on the film-roller and the exterior of the container to file and make an inventory.(See graph 10)

Graph 9: The barcode-making software developed by our team

Graph 10: Sticking the barcodes on the exterior of the container

X After checking, inspecting and recording the volumes of aerial films, we return them to the original archiving unit