AutoSync ˝E ¯ ‰ ﺷﺠ

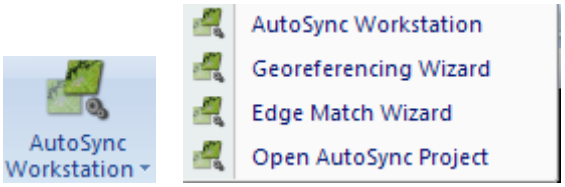
‰ ' **air-photo-1.img** ¿ **air-photo-2.img** Â

ﺿ ð̃ ' **tmAtlanta.img** ¿ **panAtlanta.img** Â

‰ h ˆ Edge Matching Wizard˜

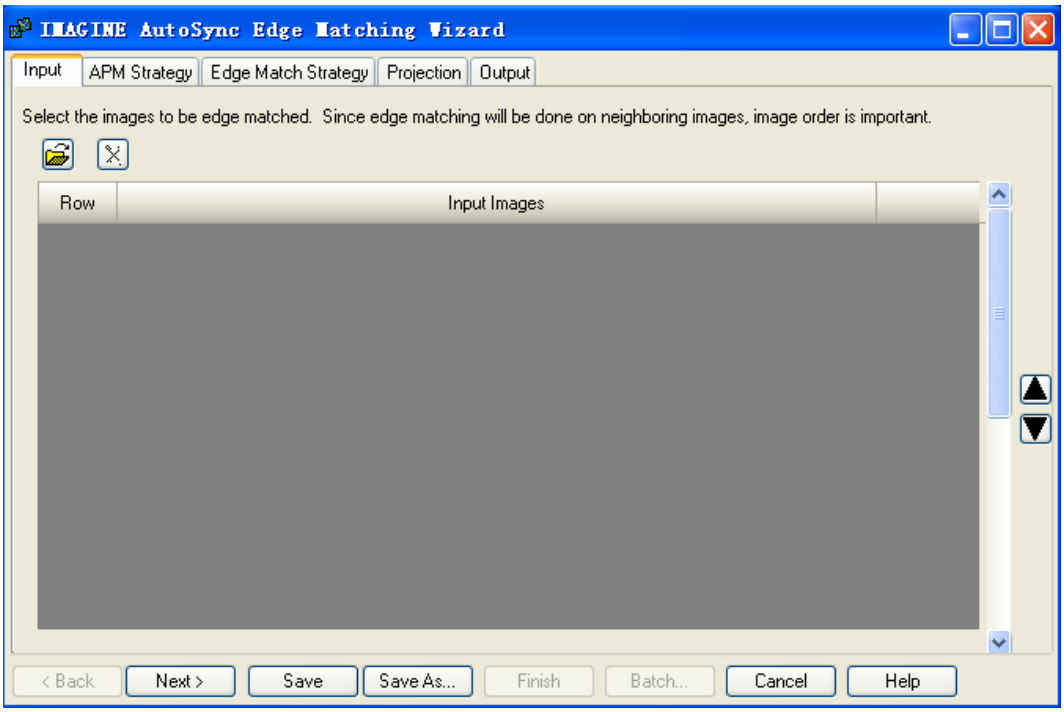
ὼ ERDAS IMAGINE Â

1 à ﺿ ERDAS IMAGINE ⁘ ˘ Ð **Toolbox** ˘ Ð **AutoSync Workstation** Ÿ ↑ Â



2 à ɾ IMAGINE AutoSync Ÿ ↑ Ţ **Edge Matching Wizard** Â

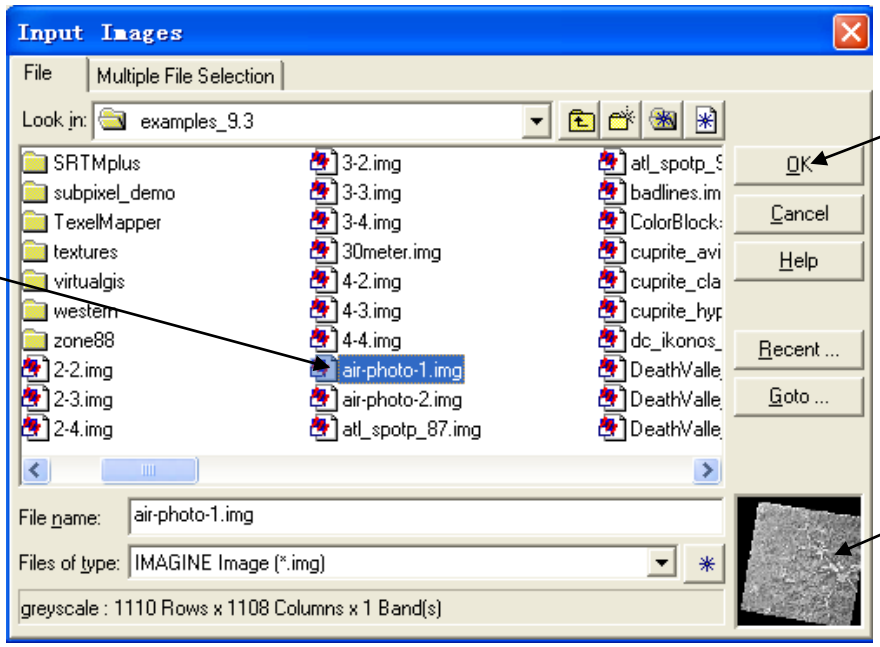
IMAGINE AutoSync Edge Matching Wizard Â



˜ **(Input tab)**

1 à ض ˜ Ţ˘ Ð Ð ید  Â

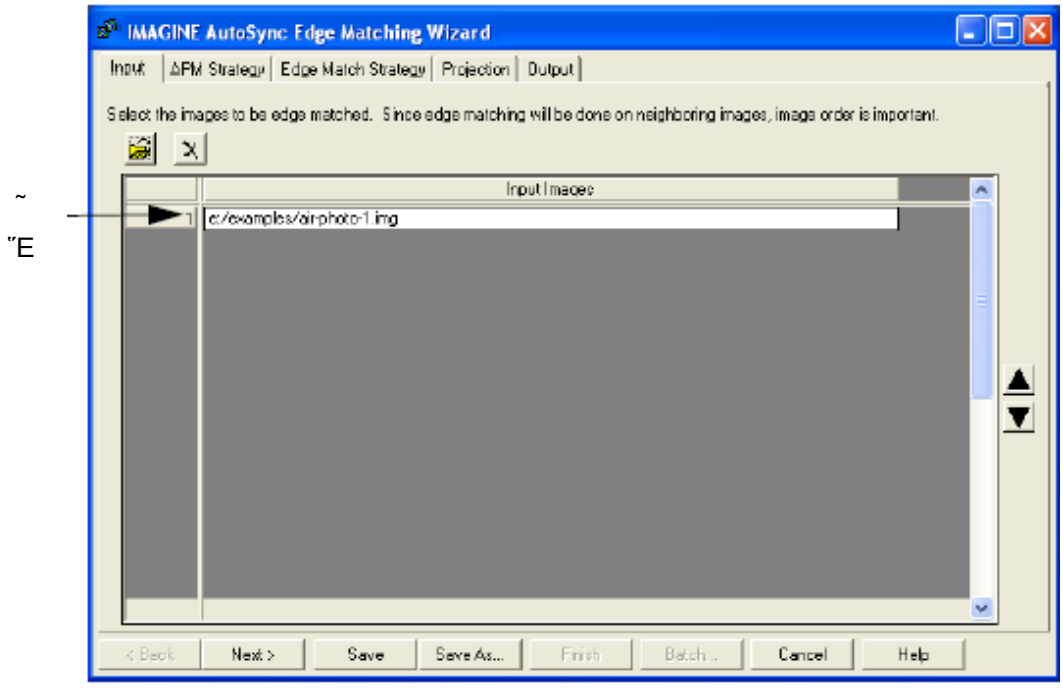
Input Images Â



2 à ض Input Images Ţ **File name** Ÿ˘ ɾ Ð ↓ Ţ **air-photo-1.img** Â

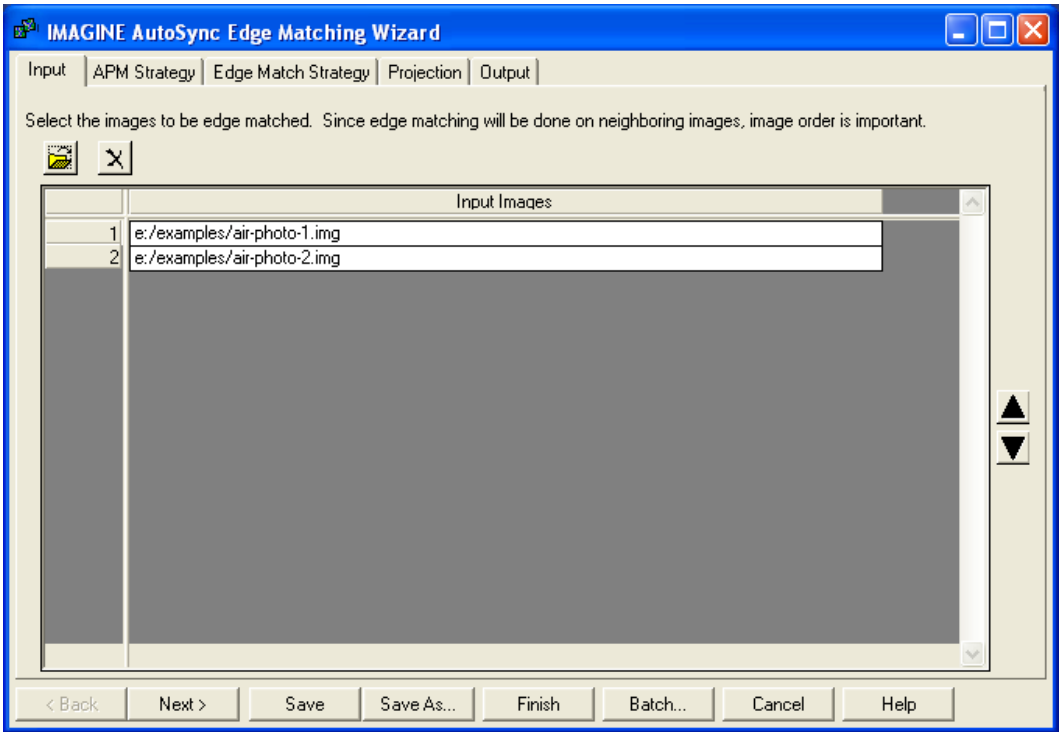
3 à ض Input Images Ţ Ð **OK** Â

air-photo-1.img Ð ض Edge Matching Wizard Ţ Input Images Ţ Â



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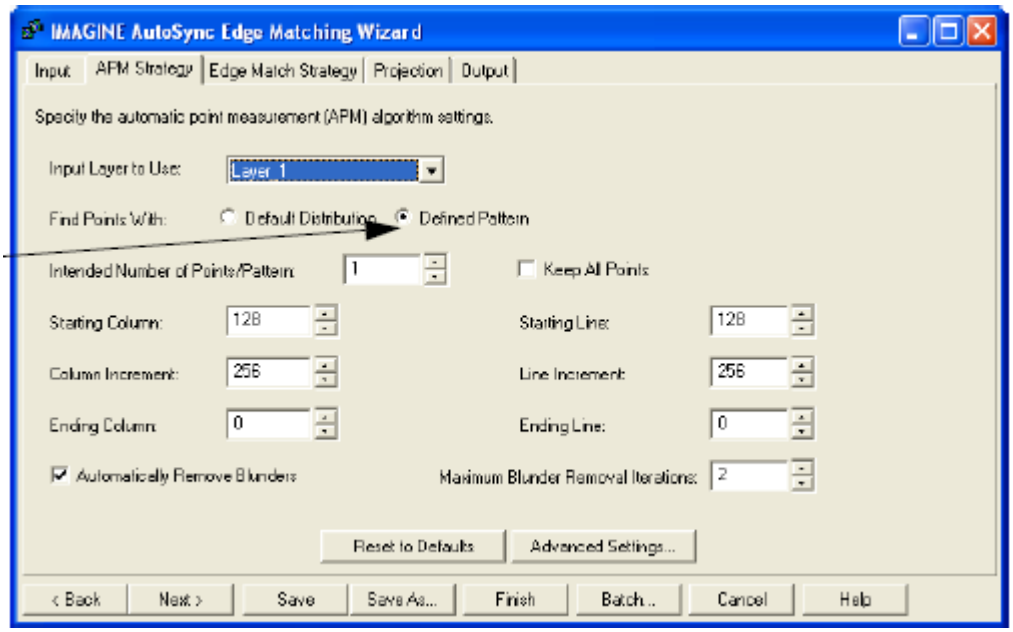
4 à 3 1 ∀ Ʉ ɷ ˝Ɛ air-photo-2.img Â



5 à ض Edge Matching Wizard Ţ ϟ Ɗρ **NEXT** APM Strategy Â

APM Strategy

Defined Pattern

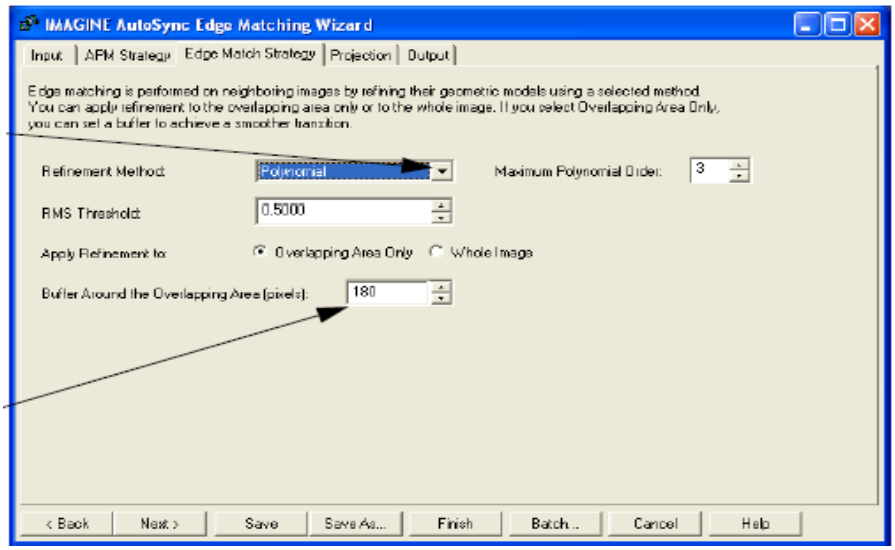


1 à Ĩ APM Strategy Ţ ˘ **Defined Pattern** Â

2 à ضEdge Matching Wizard Ţ ϟ Ɗρ**NEXT** Edge Match Strategy Â

Edge Match Strategy

Ð
Linear



buffer

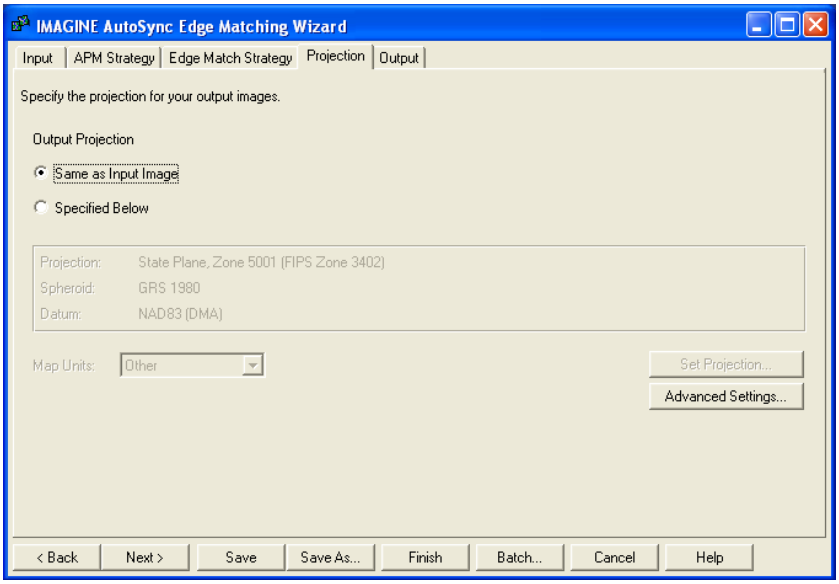
1 à ضEdge Match Strategy Ţ˘ ٤ Ð Refinement Method ↓ ˘ **Linear Rubber Sheeting** Â

2 à ĭ **Apply Refinement to** ٧ **Overlapping Area Only**˘ . . Ң ¢ ˝E Ŋ ٤ Â

3 à ضEdge Match Strategy Ţ˘ ضBuffer Around the Overlapping Area (pixels): ¢ Ţ Ğ ٧ **180** Â

4 à ضEdge Matching Wizard Ţ ٤ Ð**NEXT**¸ Projection Â

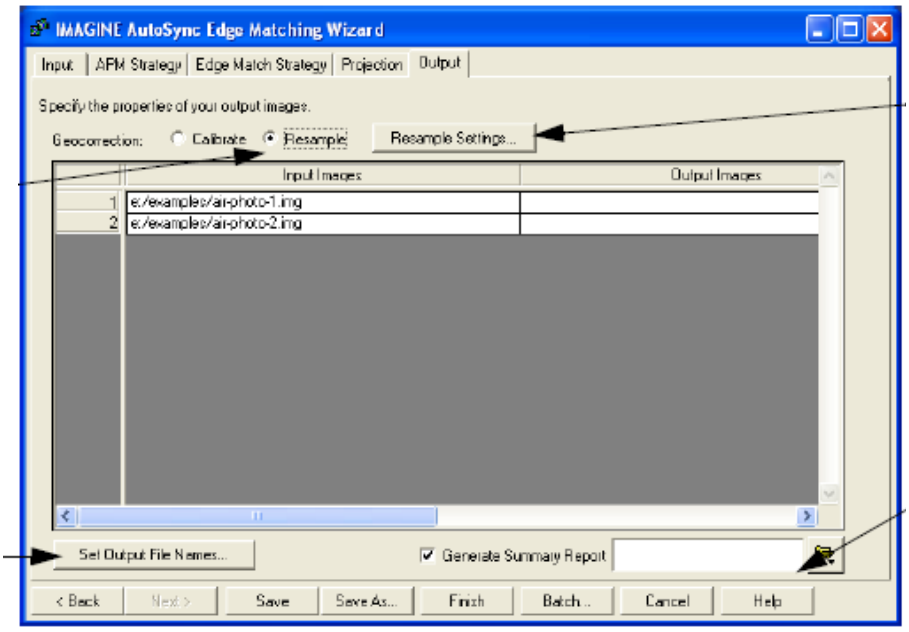
Projection



1 à ض Projection Ţ˘ ǐ ₣ ˆ Output Projection˜ ч **Same as Input Image** Â

2 à ض Edge Matching Wizard Ţ ч Đρ **NEXT¸** Output Â

Output



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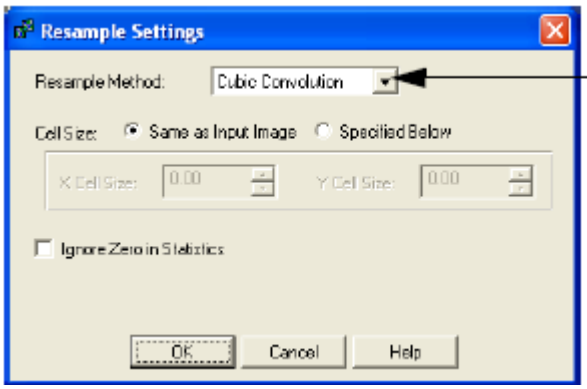
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1 à ض Output Ţ˘ **Resample** з v Â

2 à ض Output Ţ˘ Đρ Â

Resample Settings Â



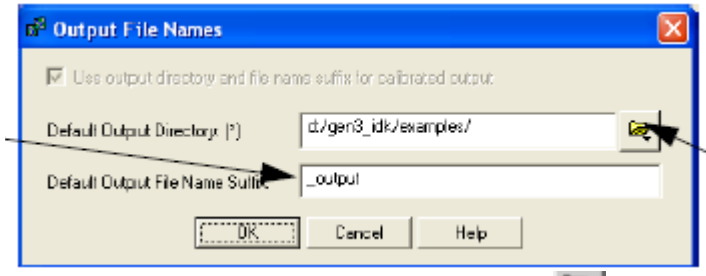
Cubic Convolution

3 à ǐ Resample Settings Ţ Â **Cubic Convolution** Â

4 à ض Resample Settings Ţ Đρ **OK** Â

5 à ض Output Ţ˘ ч Đρ **Set Output File Names...** Â

Output File Names Â



6 à ضي Output File Names Ţˇ Ð Ъ Ŧ Â

7 à ضي **Default Output File Name Suffix** Ţˇ ˜ ₩ ₡ Ð O U ˇ **_output** Â

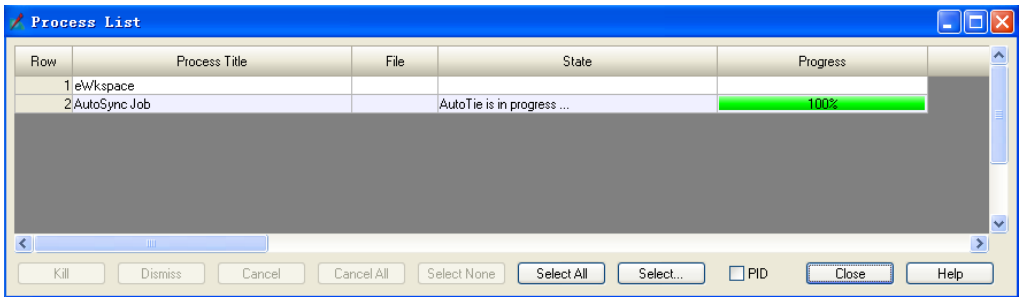
8 à ضي Output File Names Ţˇ Ð **OK** Â

9 à ضي Output Ţˇ **Generate Summary Report** ˇ ч HTML Þ ˜ ₩ ₡ O Â З ˆ γ Ð Ъ

10 à ضي Output Ţˇ ч Ð **Save**ˇ Ḡ Â ₩ ₡ Ð ڪ File Selector˜ ˇ З ˆ γ Ḡ ₡ ⌠ Ѝ Â

11 à ضي Output Ţˇ ч Ð **Finish**ˇ ч Â

Ŧ **Process List** ˇ ч ƀ Â



12 à ƀ ˇ Ð **Process List** Ţ **OK** Â

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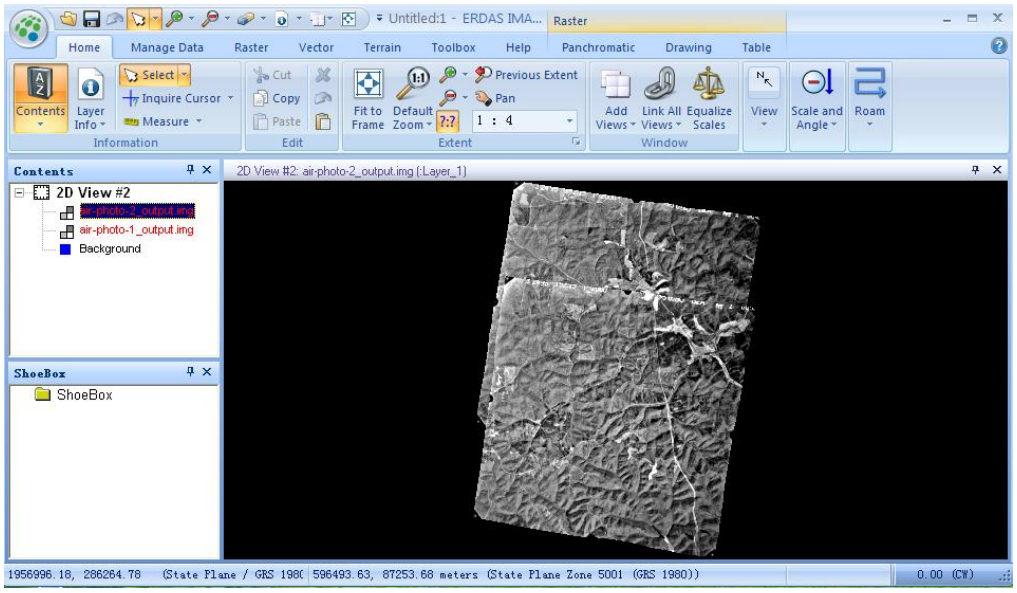
1 à ضي ERDAS ο Ţˇ Ð Ъ ضي ο ˇ **Open Raster Layer** Â

Select Layer To Add Â

2 à ضي Select Layer To Add ť :;: Đρ **File** Â ضي **Filename** Ŭ˘ ɾ Ḡ Ţ ₣ ˝E Â

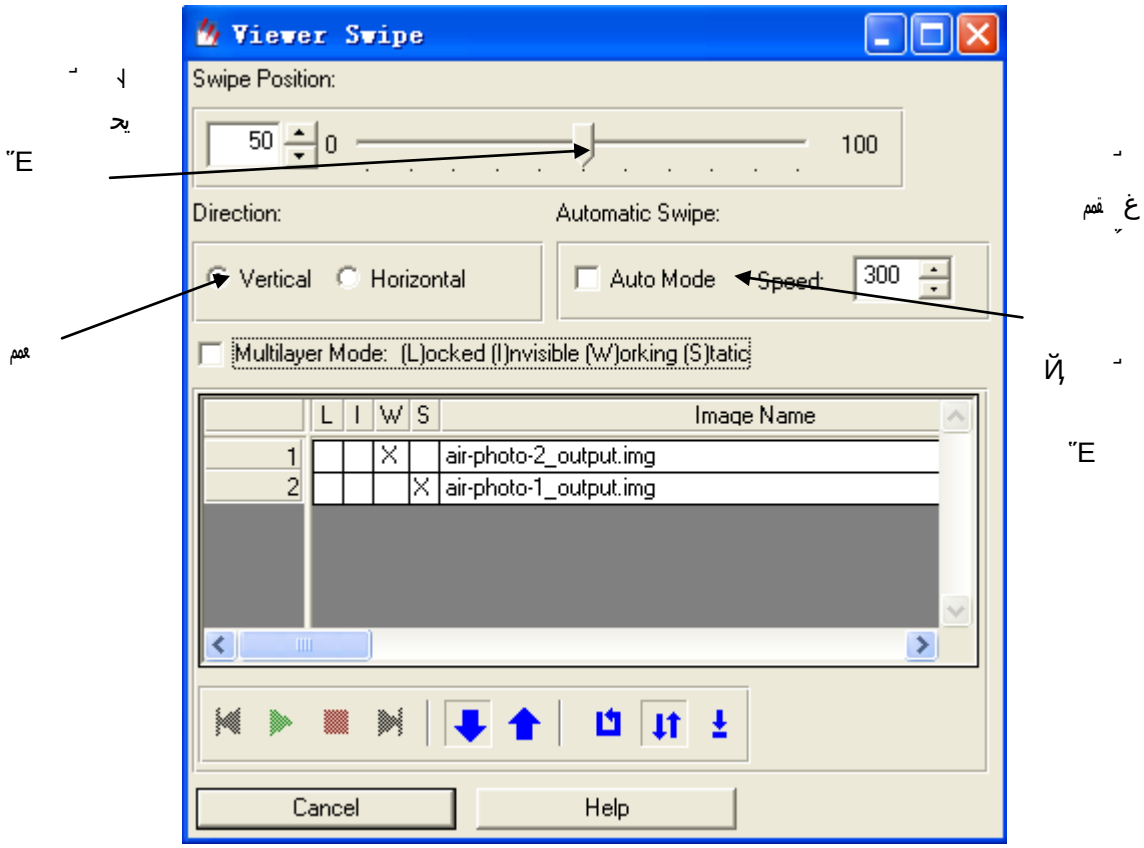
3 à ضي Select Layer To Add ť Ţ˘ Đρ **OK** Â

ضي ο Ţ ٧ ₣ ˝E Â



٧ ^ **Viewer Swipe˜** ť

1. ضيHome Ŭ˘ ĐρView Ţ **Swipe** Â ضي ο Ţ˘ Swipe Â Viewer Swipe Â



2 à ضViewer Swipe Ţ Ţ **Auto Mode** ˆ **Speed** ч **500** ˆ ˠ ɷ ɻ Íضيد "Ę ɷ ˗ ˘ ˆ ˠ ˇ ᵀ Â ˆ **Horizontal** h ɻ ˆ **Vertical** h ضيЬ Й№≠ ѿ Й Â

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1 à ضWindows ₀ Ţ HTML ᵽ ˆ ضيOutput Ţ ˜ Â

2 à Ɗᵨ HTML ᵭ Â

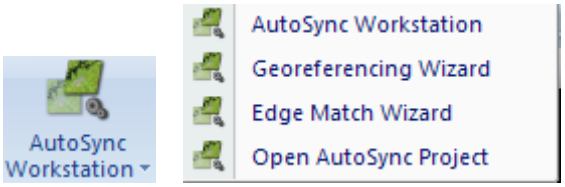
ضي ₀ Ţ ᵽ Â

AutoSync Workstation

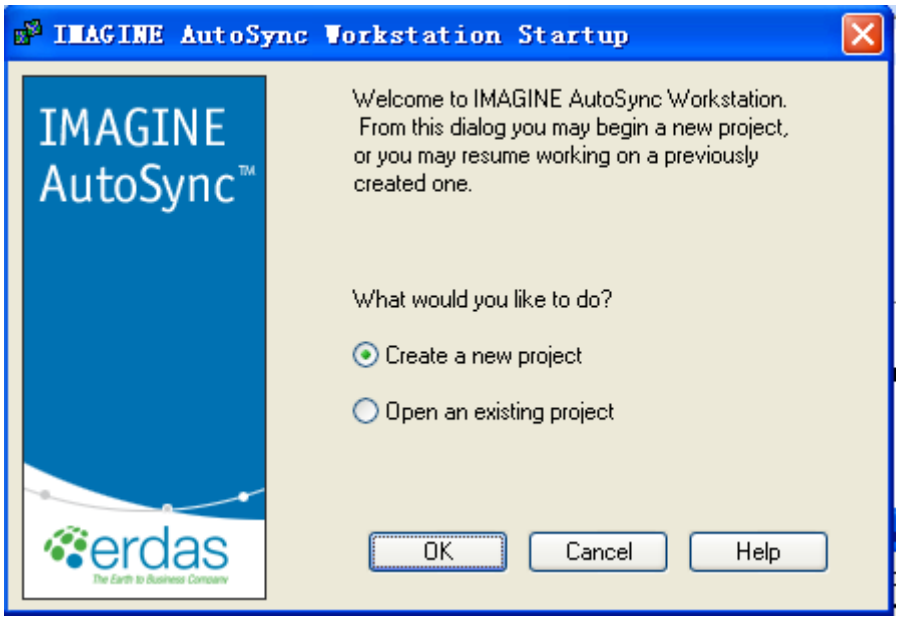
IMAGINE AutoSync

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1 à ضي ERDAS IMAGINE ˖ ˘ Ɗᵨ **Toolbox** ˘ Ɗᵨ **AutoSync Workstation** Й ɻ Â



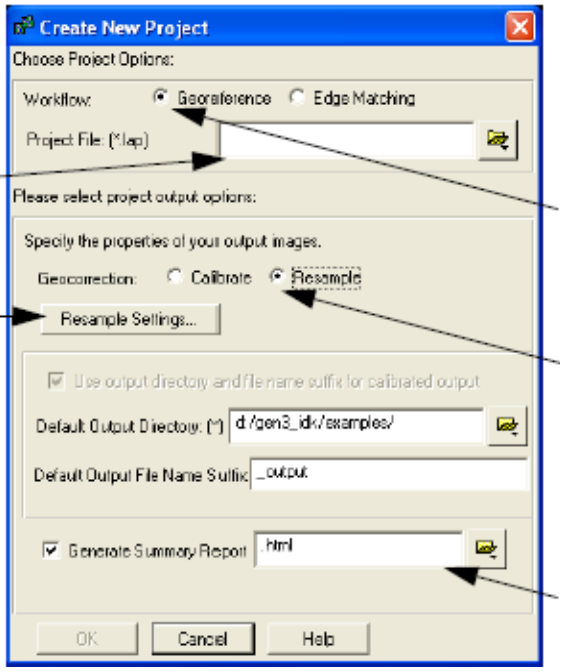
2 à ɾ IMAGINE AutoSync Й ɻ Ţ **AutoSync Workstation** Â IMAGINE AutoSync Workstation Startup Â



3 à ضي IMAGINE AutoSync Workstation Startup Ţ **Create a new project** Â

4 à Ð**OK** Â

Create New Project Â



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Resample Setting

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5 à ضي Create New Project Ţ˘ **Georeference** ƀ Â

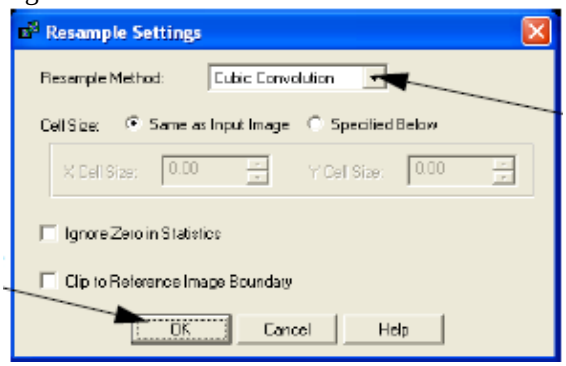
6 à ضي**Project File (*.lap)** Ţ˘ Ð ɒ يد ك  ~ ₩ ɷ

ɒ O Â

7 à ضCreate New Project Ţˇ **Resample** 3 v Â

8 à Ð**Resample Settings...** Â

Resample Settings Â



Cubic Convolution

Ð Ť Resample settings v

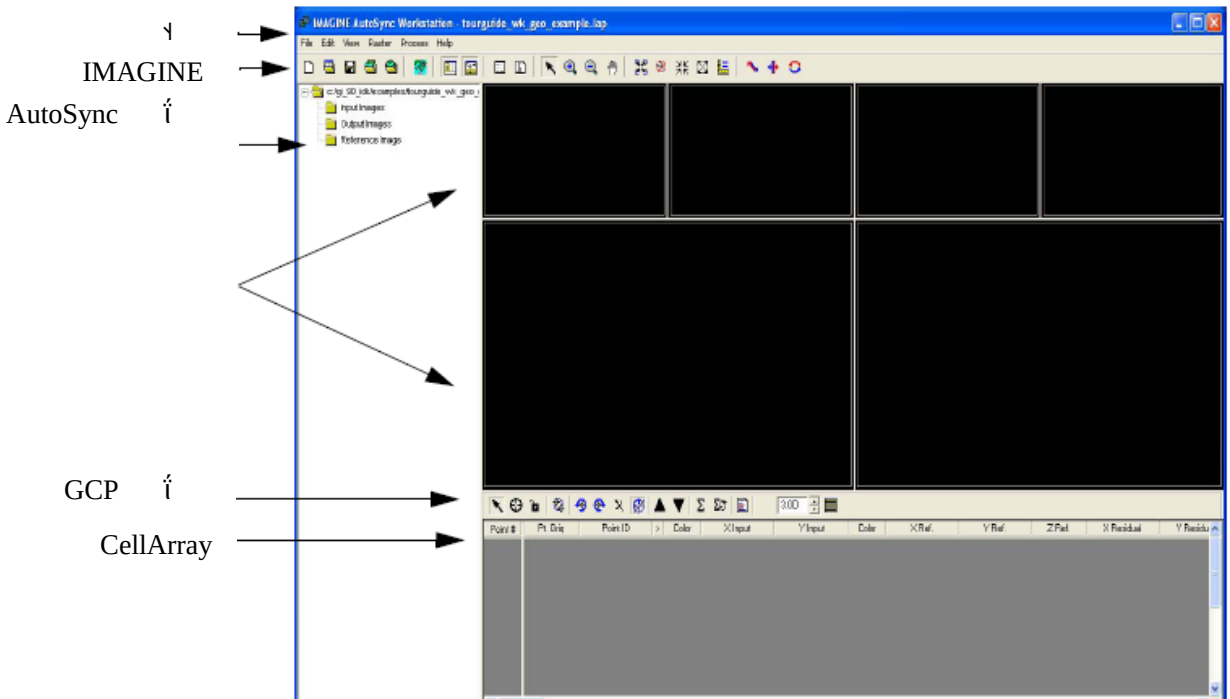
9. ض Resample Settings Ţˇ Ť ˘ **Cubic Convolution** Â

10. ض Resample Settings Ţ Ð**OK** Â

11. ضCreate New Project Ţˇ ض**Default Output Directory:(*)** Ţˇ Ð Đ يد ك Ḡ ₣ Â

12. ض**Default Output File Name Suffix** Ţˇ ˜ Đ O U ˘ Ḡ ṿ **_output** Â

13. ضCreate New Project Ţˇ **Generate Summary Report** Âض **Project File** Ţˇ O ƀ ч ҏ O ˘ p Ӟˇ ɣ Ð Đ يد ك ŵ ѡ Ь O ɛ Â

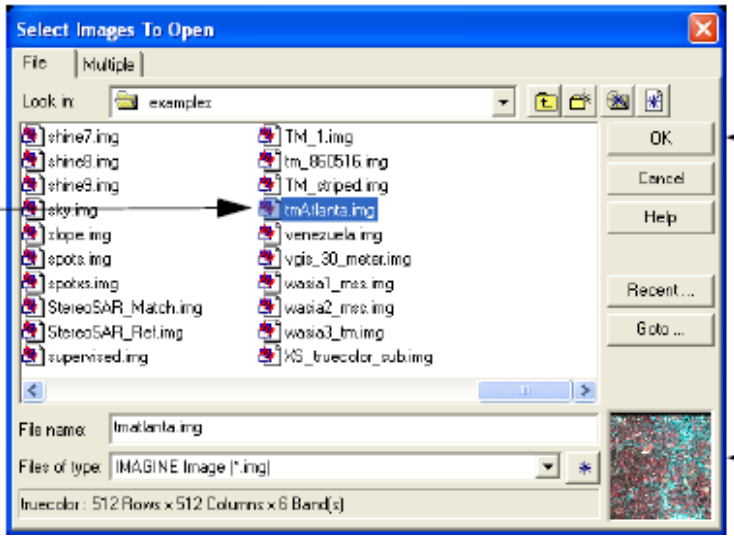


Input Image

1 IMAGINE AutoSync

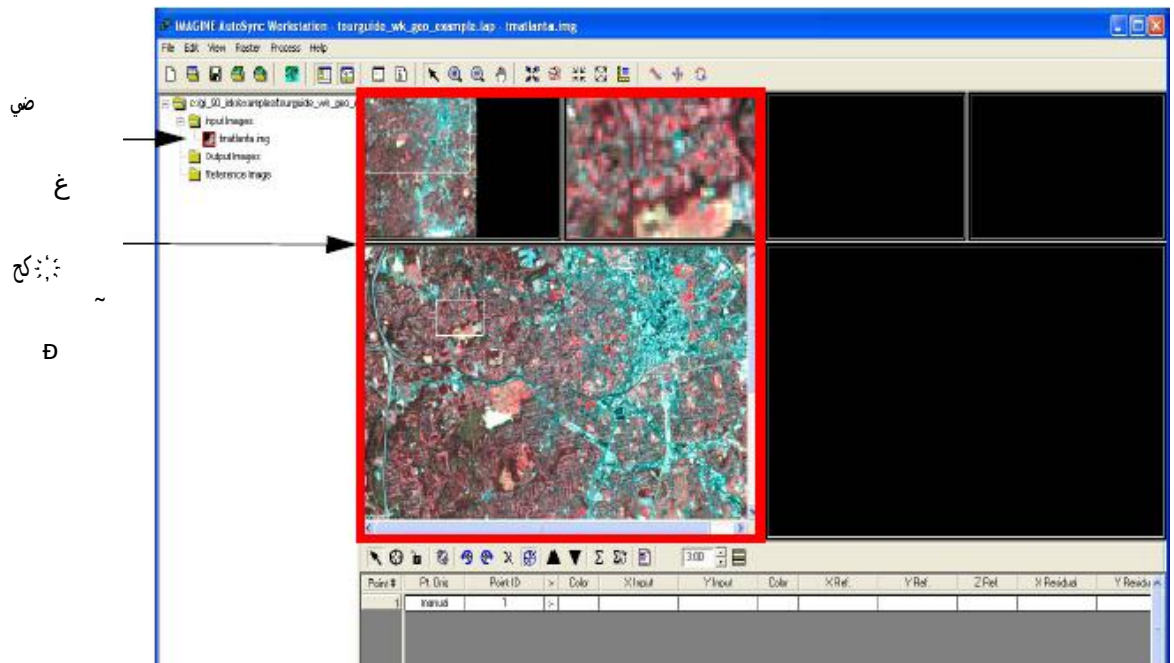
- **File -> Add Images -> Input Images...**
- Project Explorer Tree View **Add Input Image...**

Select Images To Open



2 Select Images To Open **Filename** **tmAtlanta.img** Select Images To Open **OK**

IMAGINE AutoSync Workstation **tmAtlanta.img**

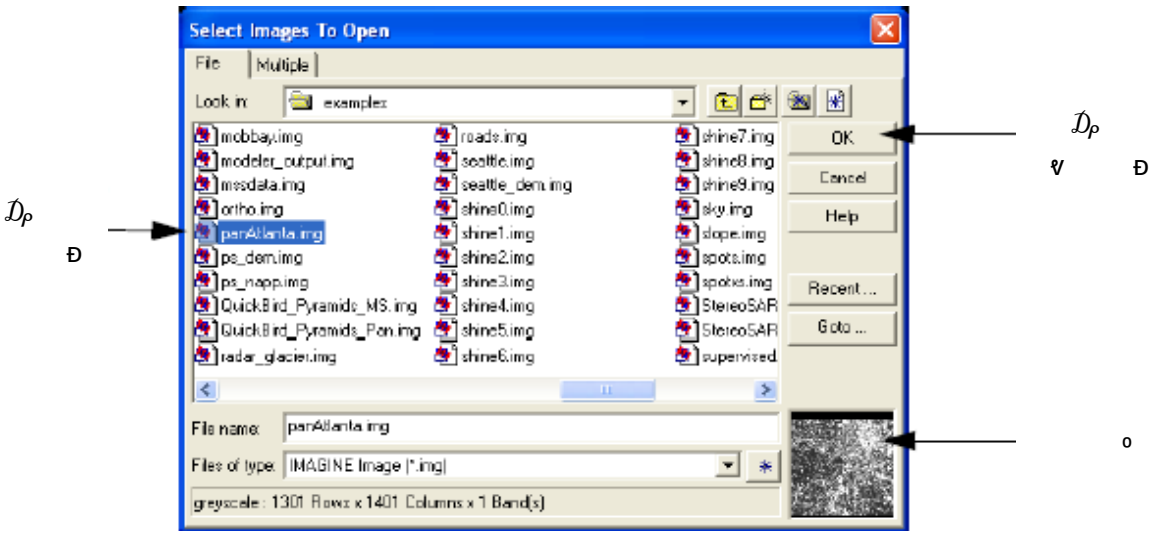


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- ضIMAGINE AutoSync Í ˘ Ɗρ ǟ ʺEيح Â
- ɾ ٦ **File -> Add Images -> Set Reference Image...** Â
- ضProject Explorer Tree View Ţ˘ ض ǟ ʺE Ð ˘ **Set Reference Image...** Â

Select Images To Open Â



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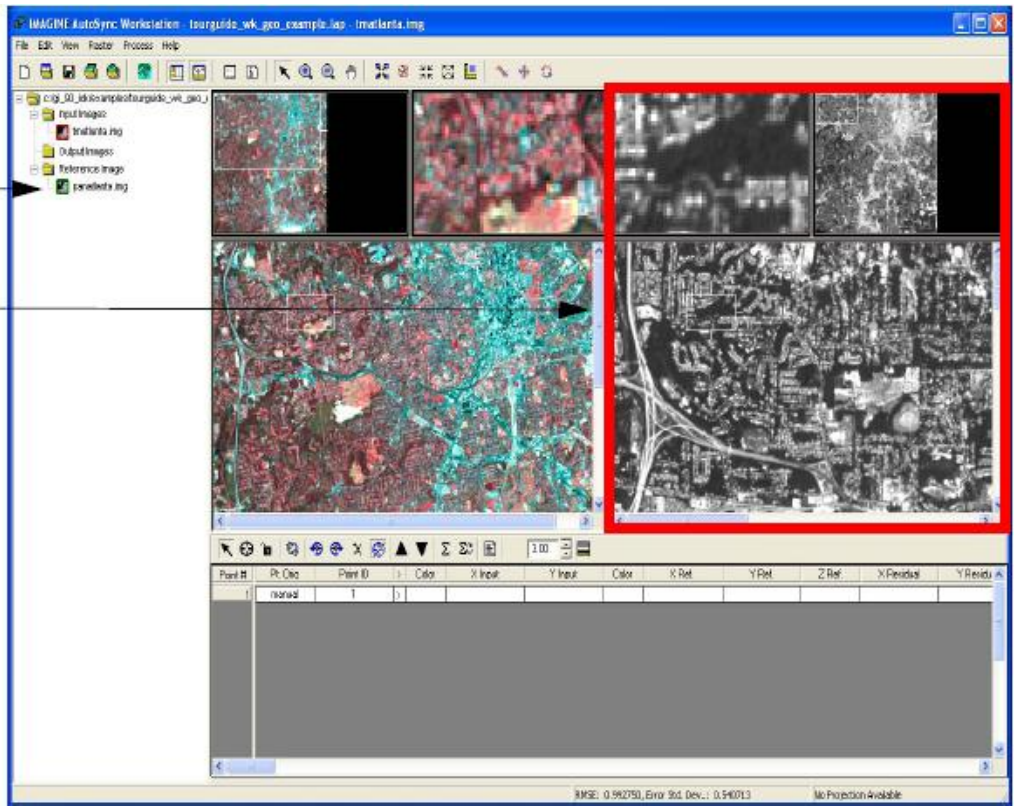
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1. ضSelect Images To Open Ţ˘ ض**Filename** Ӈ˘ Ɗρ**panAtlanta.img** Ð Â

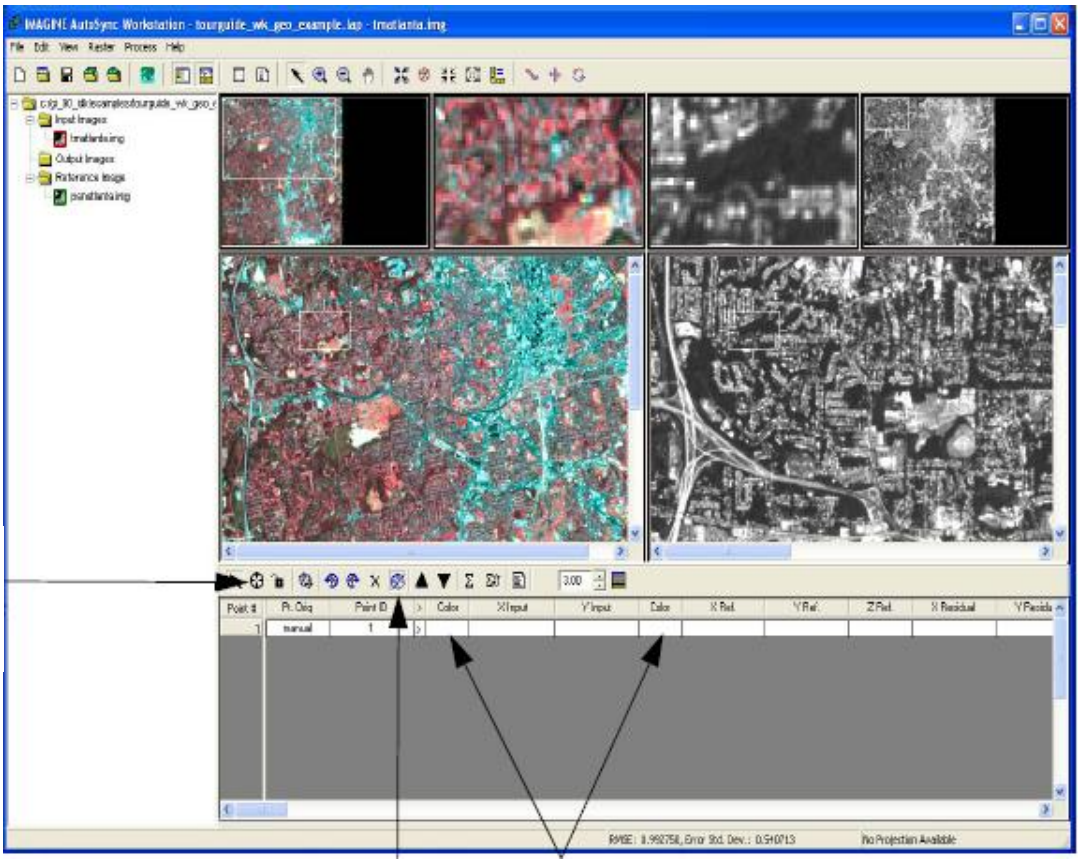
ɷ Ð Atlanta SPOT ŋ ˘ ɷ ʺE يج يح ض ٧ ىض ǟ Â

2. ضSelect Images To Open Ţ Ɗρ**OK** Â

ض IMAGINE AutoSync Workstation Ţ˘ ǟ ʺE**panAtlanta.img** Â



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2. ضGCP í ;¦; ˇ Ð ρ ح  Â

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Point ID˚ **Color** Ţˇ ˚ ч **Yellow** Âض ѽ CellArray Ţ ѽ □ O

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4. ض˚ ο Ţˇ ч ъ ą ă˝ ˝E □ O ˇ ضCellArray ѿ

Y Input˚ **Color** Ţˇ ˚ ч **Yellow** Âض ѽ CellArray Ţ ѽ □ O

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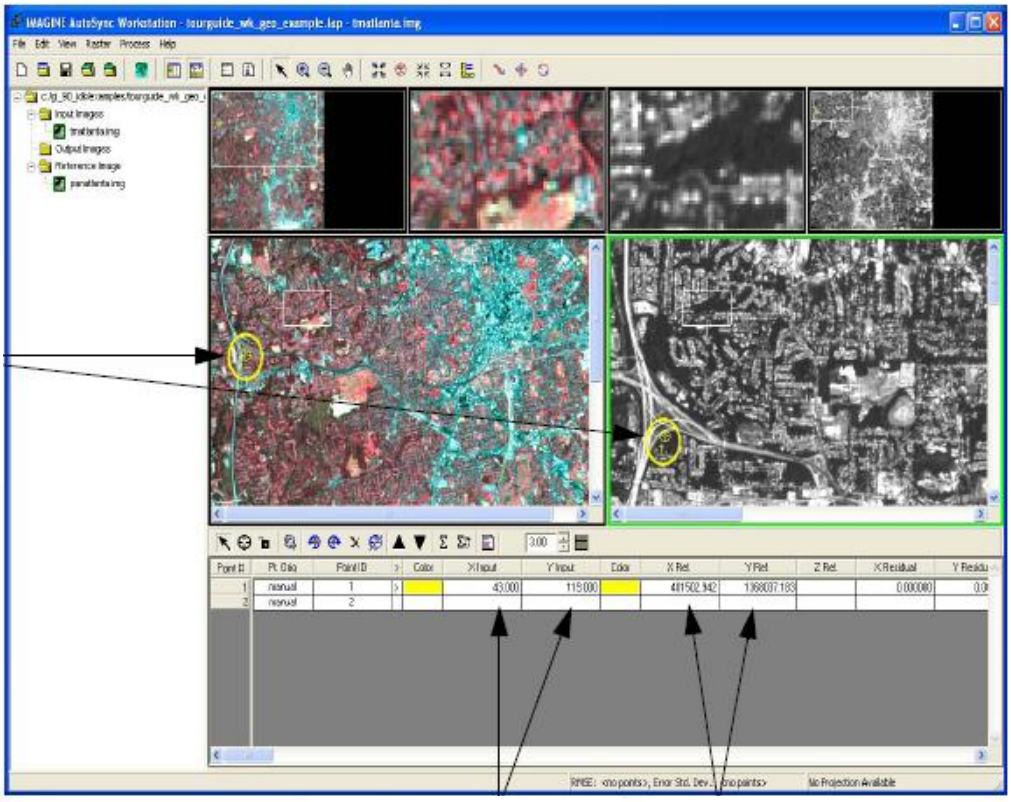
5. ض ˜ ˝E h ˆ Main View˜ ο Ţˇ Ð ρ ѿ ѽ β ˇ ѿ ѽ □ O Â

ضMain View Ţ ч 1ˇ X˘ Y ˜ ضCellArray Ţ ↓ ₣ Â ᵖ

ˇ ɾ ъ □ O Uˇ ضProject Tree View Ţ ˜ ˝E ح ъ ѿ ѽ

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6. ض ă˝ ˝E Main View Ţˇ Ð ρ □ β ˇ □ O Â



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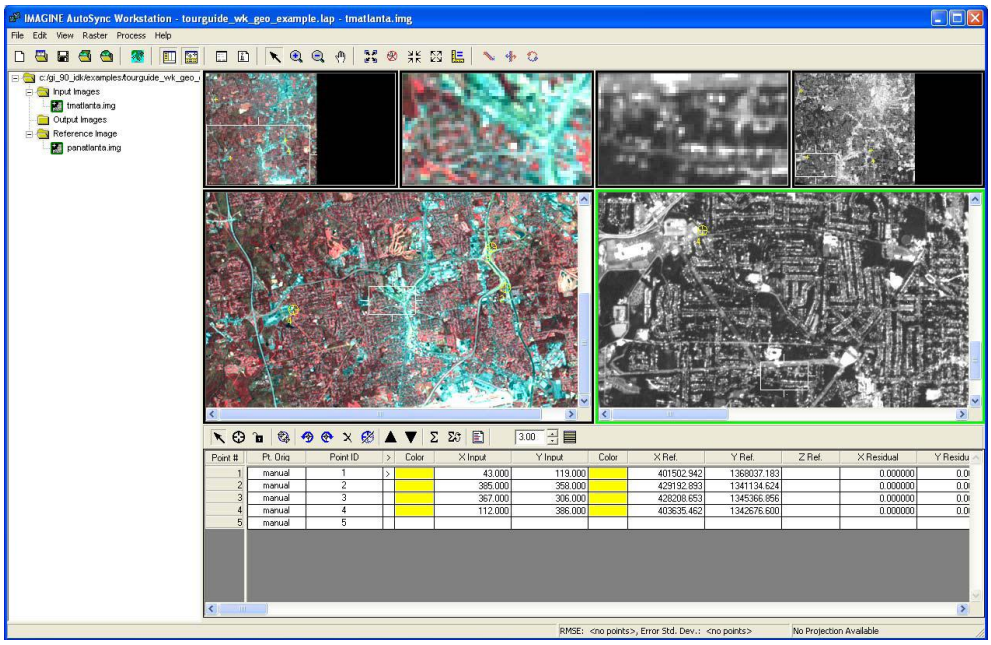
ˈ ض ˜ ˝E ˈ ض ă˝ ˝E

ˆ tmAtlanta.img˜ ;¦; □ ˆ panAtlanta.img˜ ;¦; □

O X˘ Y ض ح شم O X˘ Y ض ح شم

7. ضي ˜ غ ǎ ˝E Ţ˘ ۞ ۪ ˩ O Â

ضIMAGINE AutoSync Workstation Ţ˘ غ Ǐ ٣ '



APM

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1. ضIMAGINE AutoSync ǐ ˘ Ǐ APM

- ضIMAGINE AutoSync ǐ ˘ Ɗ APM

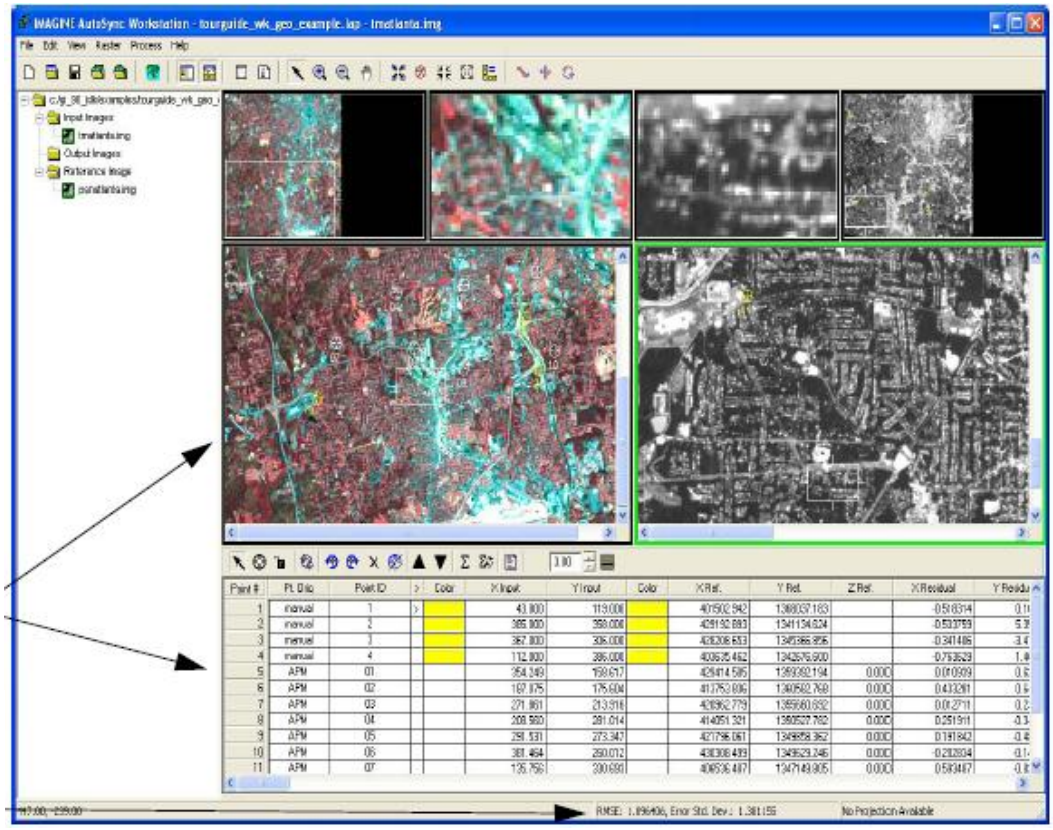
- ۲ ٧ **Process -> Run APM**

- ضProject Explorer Tree View Ţ ˜ ˝E **(tmAtlanta.img)** Ţ˘ ˘ **Run APM** Â

ضي ƀ Ǐ RMSE غ Error Standard Deviation Â APM ضCellArray ↓˘ ғ ضي ο Ţ ˜ غ ǎ ˝E Â

ضي CellArray
غ ٥ Ţ
APM

RMSE غ
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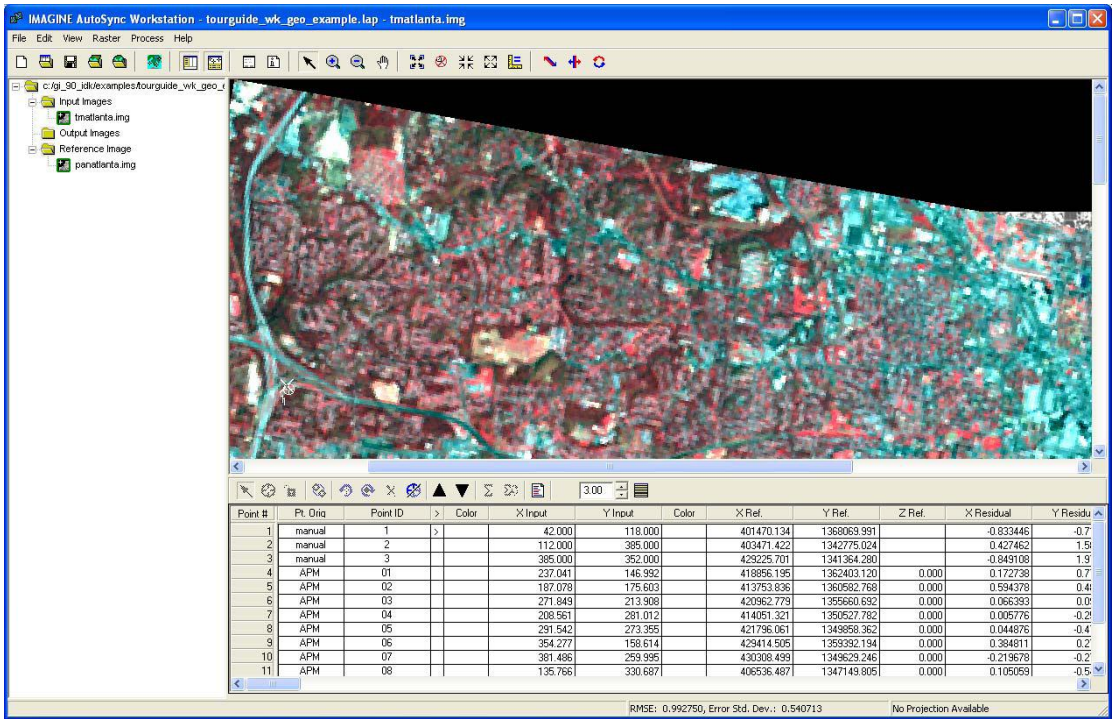


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APM U˘ ˆ ץ ₣ ″E˘ ضي ‰ ዛ ╠˘ Â

1. ዛ ϶ ₣ ″E˘ ضيProject Explorer Tree View Ţ ˜ ″E˜ **tmAtlanta.img**˜ ⁝,⁝ ˘ **Preview Output** Â

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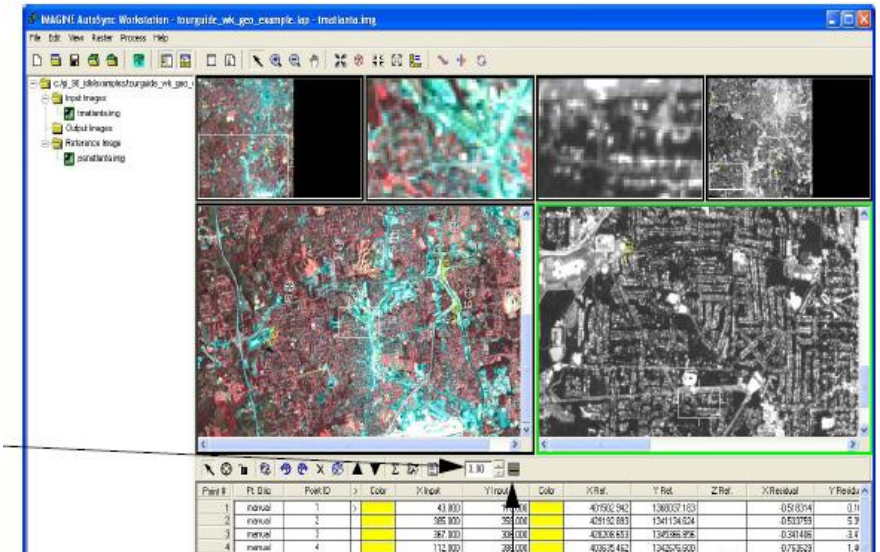
ɷ Ь ˇ ضي ɥ ╠ˇ – ɷ ˆ O Â **Error Std.Dev.**

ɢ 2.0ˇ Ӟ Ӣ ˌ Â – Ь APM Uˇ . Ь ˇ

ǐ ضيIMAGINE AutoSync Project Properties Ţ D ﻛ ﻗﻤ Â

1. ضيProject Explorer Tree View Ţ ~ ˝Eˆ **tmAtlanta.img**˜ ˚ **Preview Points** Â

   ضيviewer Ţˇ ~ ɣ ă ˝E ɣ ǐ O Â



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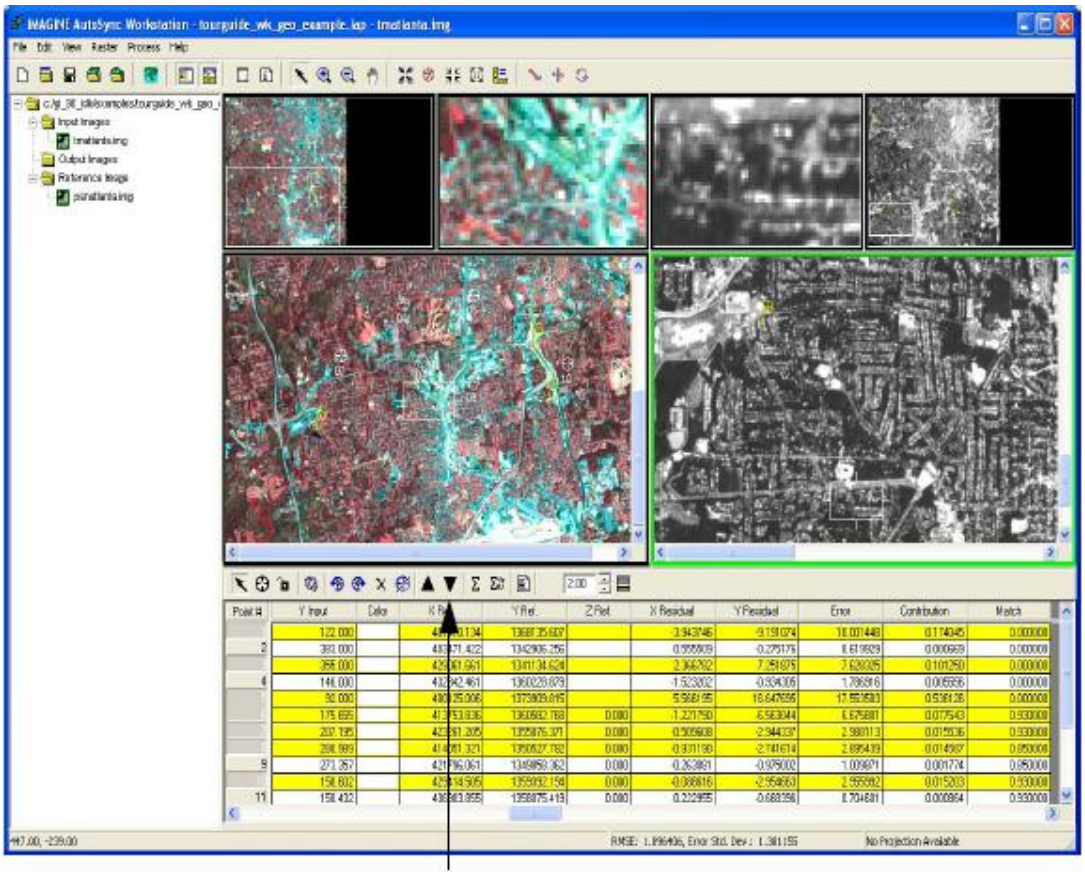
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2. ضGCP Í :¦: ˇ ضerror threshold Ţˇ ˚ ~ **2** Â

3. ضGCP Í :¦: ˇ Ð Select GCPs with Error Threshold ﻉ Â

ضCellArray Ţˇ G 2 Â



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CellArray Ţ

4. Ð ρ ¬ ح ˇ Ð ρCellArray Ţ Â

Ð ρ ¹ ˇ ضViewers Ţ Ψ ض Ţ ¸ Â

5. Ü Ẅ ϖ ˇ Ð ρ – ض └ ح Â

ϖ ⊂ ο ė CellArray Ţ – Â

6. – U ˇ ض Project Explorer Tree View Ţ ˜ ″E

(tmAtlanta.img) Ţ ˇ **Preview Output** Â

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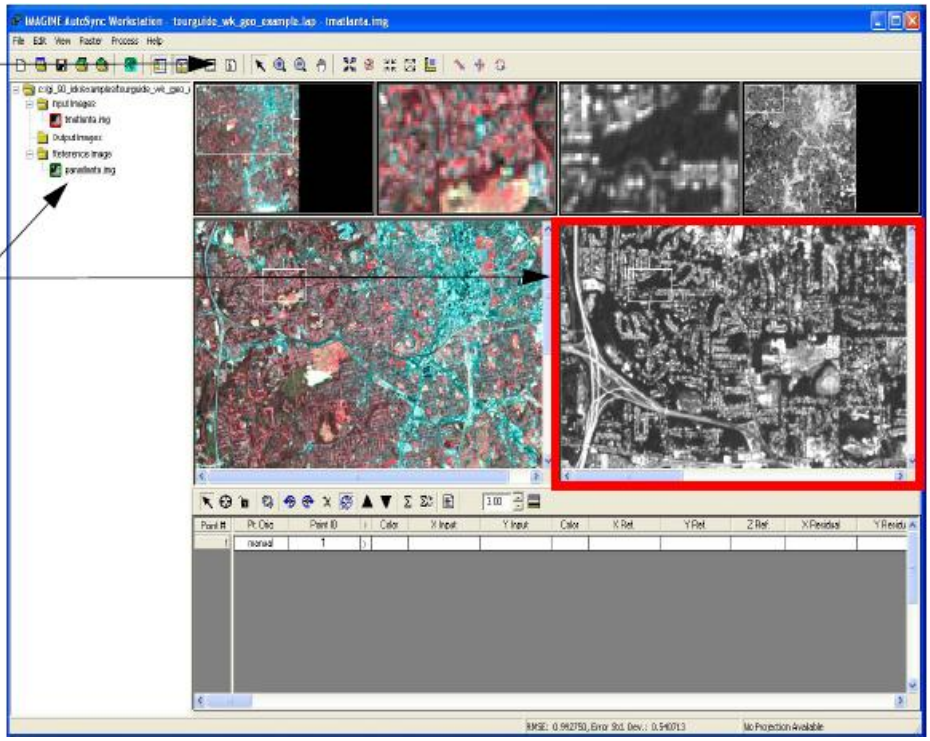
Ǐ Ẅ ˜ ė ă ″E ″E ضح Â ˆ ٢ ضح ˇ ϡ ضح ė ح Ḥ

ˇ ч ϡ ═ ₹ ″E ٦ ė ă ″E □ Â

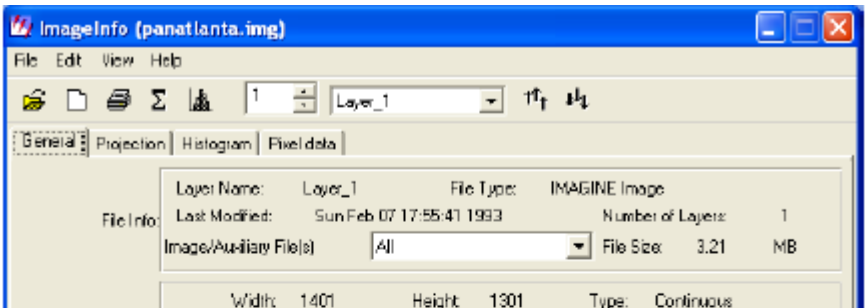
1. ض h ο Ţ Ð ρ ă ″E ضProject Explorer Tree View Ţ Â

Ð ρ
ImageInfo

Ð ρ
panAtlanta.img



2. ض IMAGINE AutoSync ĺ ⁚ Ð ρImageInfo ح Â **panAtlanta.img**
ImageInfo Â

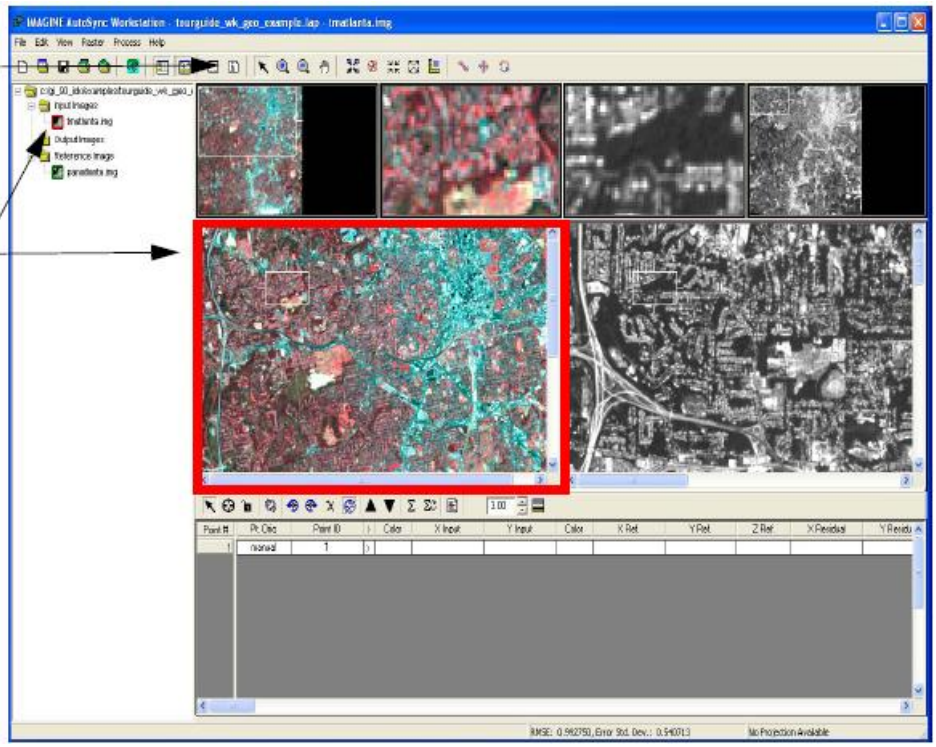


3. ˘ ضImageInfo **File -> Close** Â

4. ضMain View Ţ Ɗρ ˜ ¨E ضProject Explorer Tree View Ţ Â

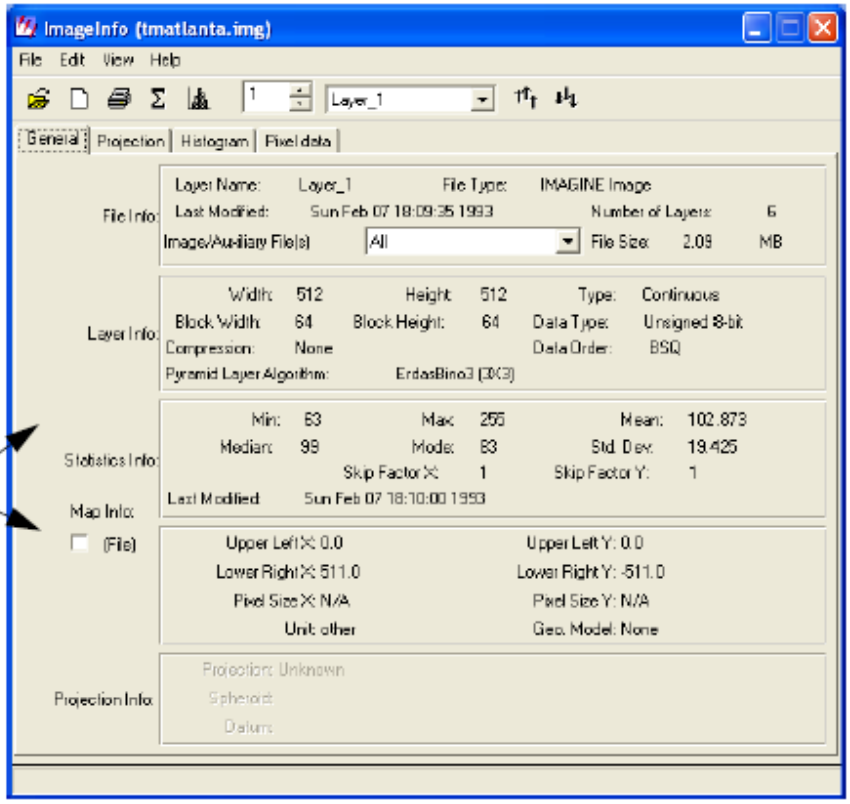
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ImageInfo

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tmAtlanta.img



5. ضIMAGINE AutoSync ĺ Ţ˘ ƊρImageInfo ѽ  Â

6. **tmAtlanta.img** ImageInfo Â



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- ɾ ﾉ ⁚⁚ **Process -> Project Properties...**
- ضي IMAGINE AutoSync ĺ ⁚⁚ ˘ Ɗρ ˆ Edit Project Properties˜ يد


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IMAGINE AutoSync Project Properties Â

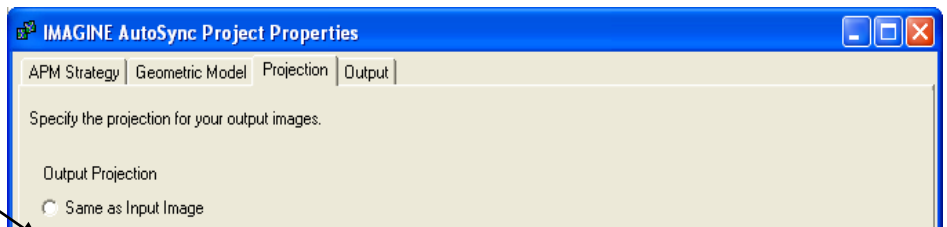
2. Ɗρ Projection Â

ضي IMAGINE AutoSync Project Properties Ţ˘ Projection Â

3. ضي Output Projection № **Same as Reference Image** Â

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4. **OK** IMAGINE AutoSync Project Properties

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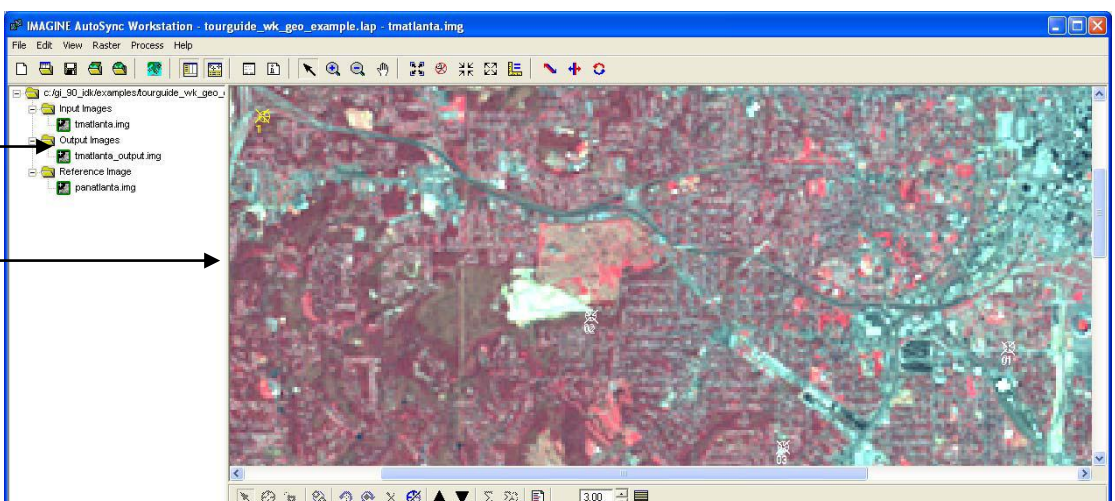
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Project Explorer Tree View **(tmAtlanta.img)**

Calibrate/Resample

(tmAtlanta_output.img)workstation viewer

Project Explorer IMAGINE AutoSync Workstation



E
Viewer
Project Tree View

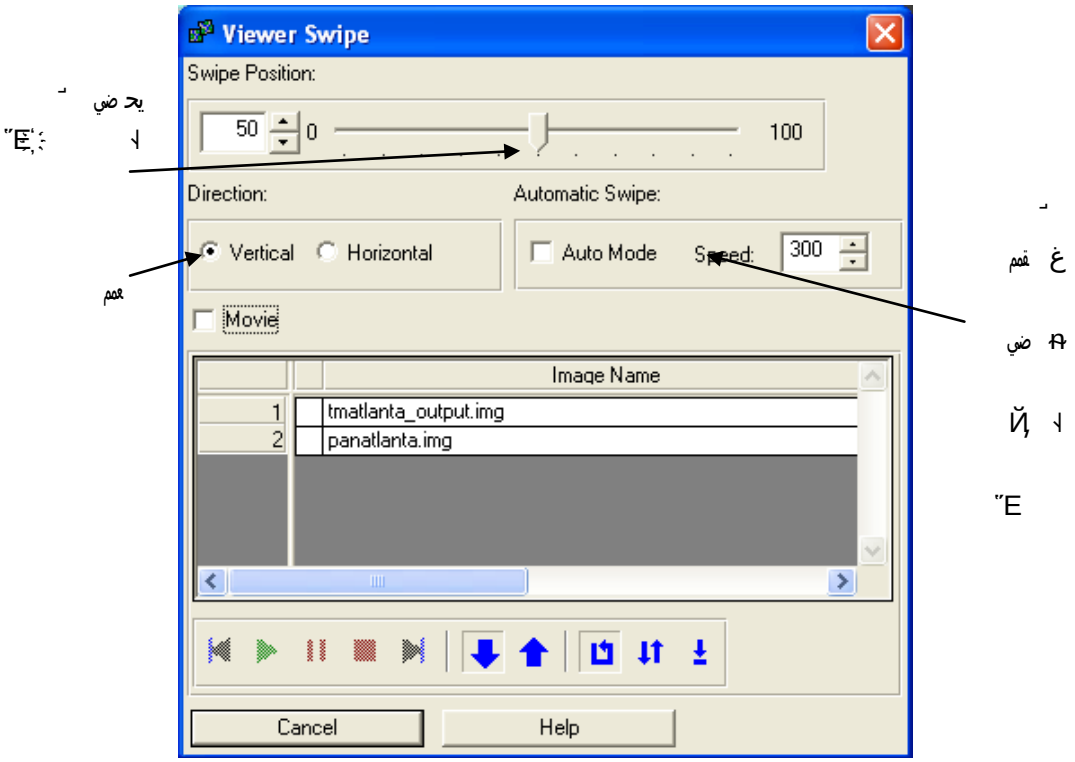
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w̄ ₣ ″E ˆ γ ƀ ₣ ″E Â ˆ γ Viewer Blend/Fade ˘ Viewer Swipe Viewer Flicker verification Í ˘ ⁚⁚ ɷ ~ ″E **(tmAtlanta.img)** ϩ ă ″E**(panAtlanta.img)** ∀ ϑ ض ă Â

∤ ^ Viewer Swipe˜ Í

1. Viewer Swipe Í ˘ ضIMAGINE AutoSync Í ⁚⁚ ƉPStart Swipe Í ي  Â

Viewer Swipe



2. ضViewer Swipe Ţ Ţ **Auto Mode**ˇ **Speed** ч **500**ˇ ˆ ץ ɷ ɻ

Íضيحـ ˝Ë¸ ɷ ƀˇ ɛ Â ˆ **Horizontal**˜ h ع ˆ **Vertical**˜

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- ضGCP Íˆ ˇ Ɗᵨ ᵽحـ 
- ضProject Explorer Tree View Ţ ˜ ˝E**(tmAtlanta.img)** Ţ˚ **Review Report** Â
- Windows Explorer ₀ ˇ Ḡ HTML ᵽ ˆ ضCreat New Project Ţ˜ ˇ .html ɒ Â

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