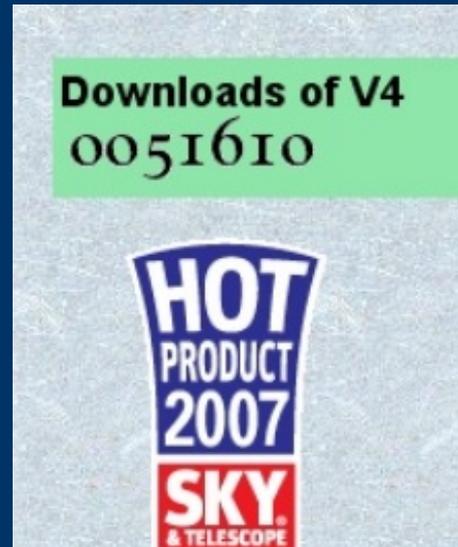


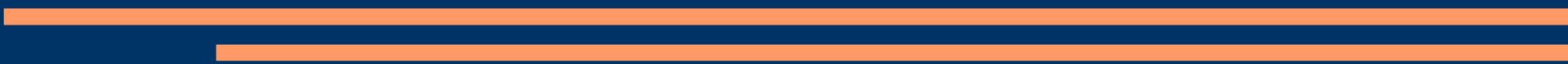
Success of Registax !



Cor Berrevoets

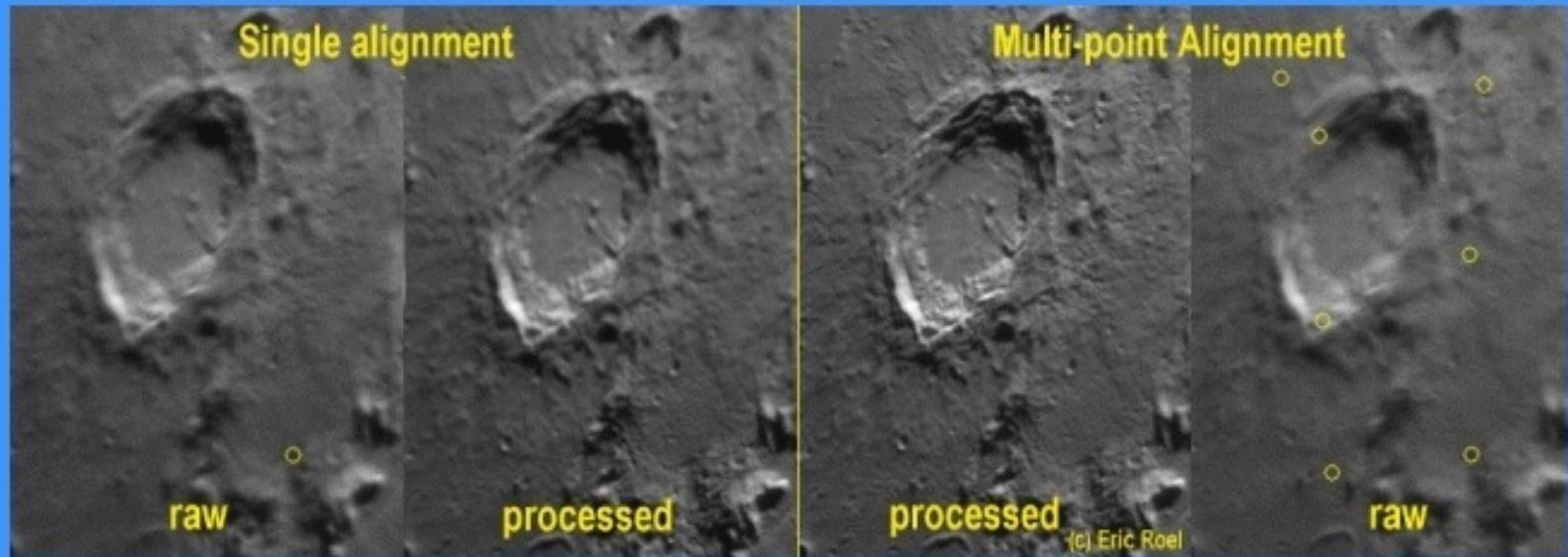
<http://www.astronomie.be/registax/>

Registax V5 !



RegiStax V 5 beta

Free software for alignment/stacking/processing of images



(Copyright © 2008 Cor Berrevoets)

RegiStax Free image processing software

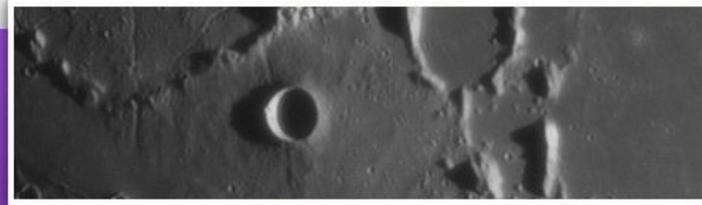
[Homepage](#)

[Download](#)

[Examples](#)

[About RegiStax](#)

[Contact](#)



Register, Stack, Sharpen

Downloads V4
0051610

Latest News

15 oct 2008 RegiStax V5
progress report

1 jan 2008 Registax V5
Development has started
[Read More »](#)

20 nov 2006 RegiStax V4
Hot Product 2007 S&T
[Read More »](#)

29 oct 2006 RegiStax V4 is
released [Read More »](#)

Welcome To RegiStax

A sneak preview of RegiStax V5

15 oct 2008 For the past 6-9 months a team of volunteers has been working hard to get RegiStax V5 working.

RegiStax V5 Development has started

1 jan 2008

After a long sleep the RegiStax Development team has woken up.

With over 45 000 downloads of RegiStax V4 on the counter and no need for intermediate releases the team is currently waking up from its long and well deserved sleep. Current development is in the stage of exploring new ideas. Users that have ideas for the next version of RegiStax are kindly requested to send these using the error-report module of RegiStax V4. To do this, startup RegiStax, go to the about page and click on the "SUBMIT ERROR" link. Change the Subject of the mail to **IDEA for REGISTAX V5** please.

with kind regards,

New interface ...

Alignment options

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box

Processing area

Size: 512 Pixels
 Hold setting

Quality

Gradient

Lowest quality: 80
 Use Ninox

Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack
 Stack to Wavelet

Language setting

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box
 De - Rotate

Processing area

Quality

Tracking Settings

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack
 Stack to Wavelet

Multi-alignment_panel

Multi A-method
 Simple Multi-Quantity

Clear Alignpoints

Show Alignmentzones

Maximum drift (pix): 10

Estimate Alignpoints

Absolute
 Relative

Threshold: 9 Radius: 5

Minimum distance between points (pix): 32

Create Matrix

X: 2 Y: 2

Matrix FFTsize: 64

Free space to edge: 32

Save Points Load Points

Alignmentpoints: 36

	X	Y	FFT
1	536	167	64
2	506	148	64
3	273	96	64
4	246	320	64
5	382	103	64

Save Reset Pause Cancel

Memory Used: 84MB

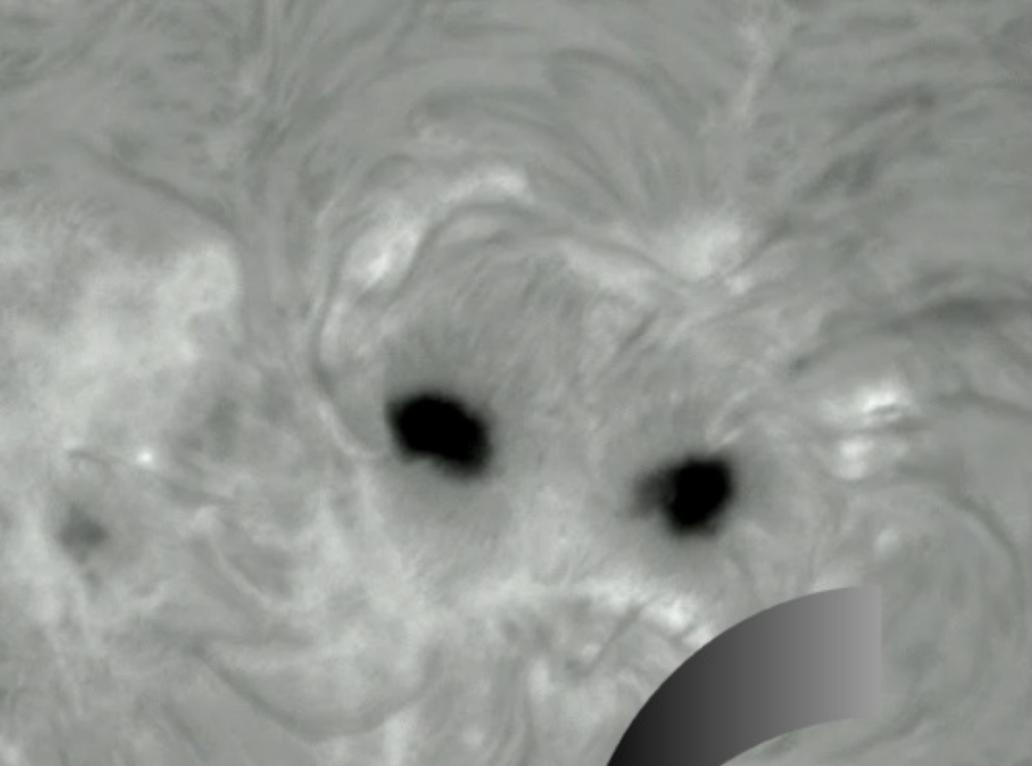
Window

Calculate StackSlice

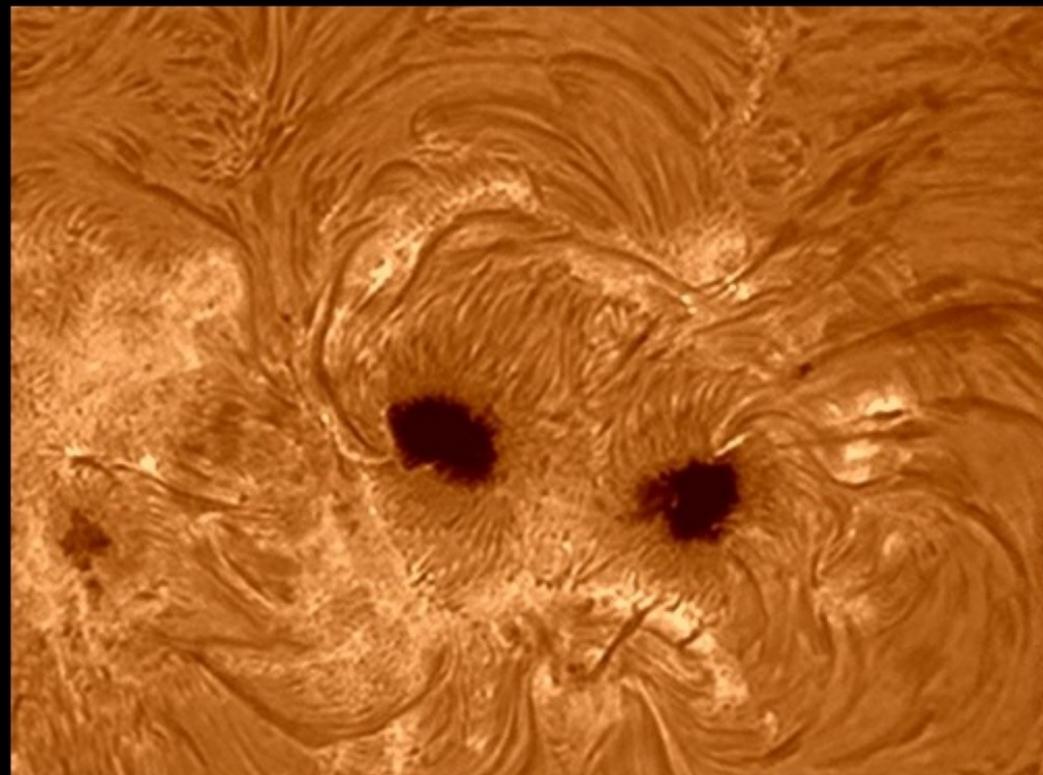
- Default
- Athen
- Dream
- Eos
- Human
- Leopard
- Office 2003
- Office 2007 Black
- Office 2007 Blue
- Office 2007 Silver
- Office XP
- Xito

Exemple 1 Sun in H-Alpha





Soleil - H alpha



AVI loading and positioning 1 alignment point

Registax processing AVI: E:\RCE-2008\AVI à Traiter Live\SunHalpa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Align Limit Colour Automatic processing FFT Graph Show Frame List Haltwindow Vista LargeAvi
 LRGB View full image Registration Graph Show Zoomed Image Calculate StackSlice Check for dropped frames

Alignment options

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box

Processing area

Quality

Gradient2
Lowest quality 80
 Use Ninox

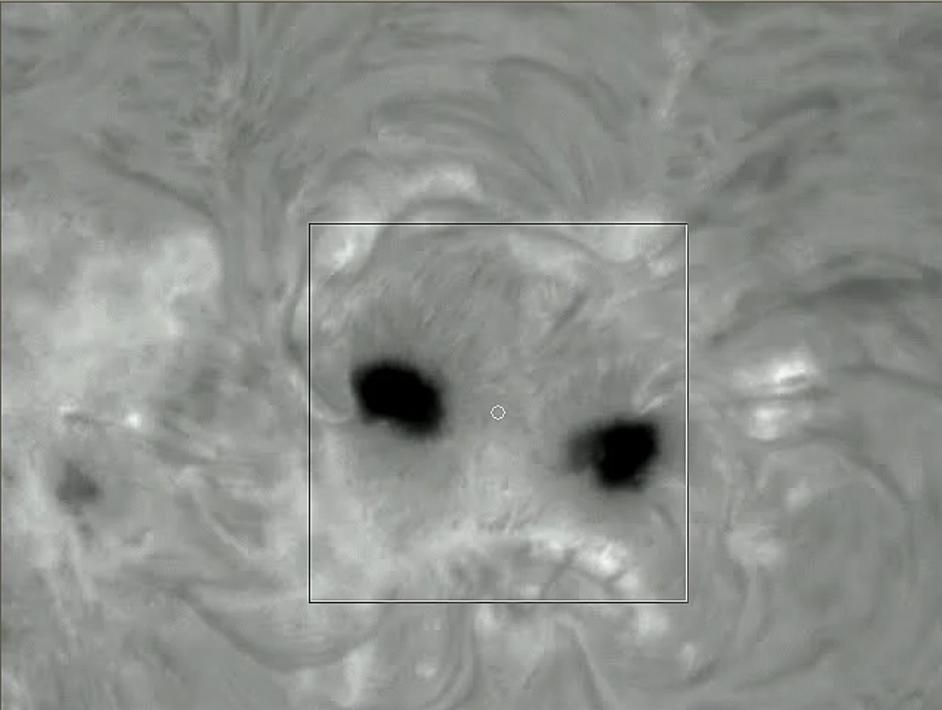
Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack

Language setting



Preview negative Preview gamma Frame (1): 1/160 Goto Frame 1 Auto limit

0% 337-277 Setup new Image datasection

Aligning...

Registax processing AVI: SunHalp...avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Align Limit Colour Automatic processing FFT Graph Show Frame List Haltwindow Vista LargeAvi
 LRGB View full image Registration Graph Show Zoomed Image Calculate StackSlice Check for dropped frames

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box

Processing area

Quality

Gradient2

Lowest quality 80

Use Ninox

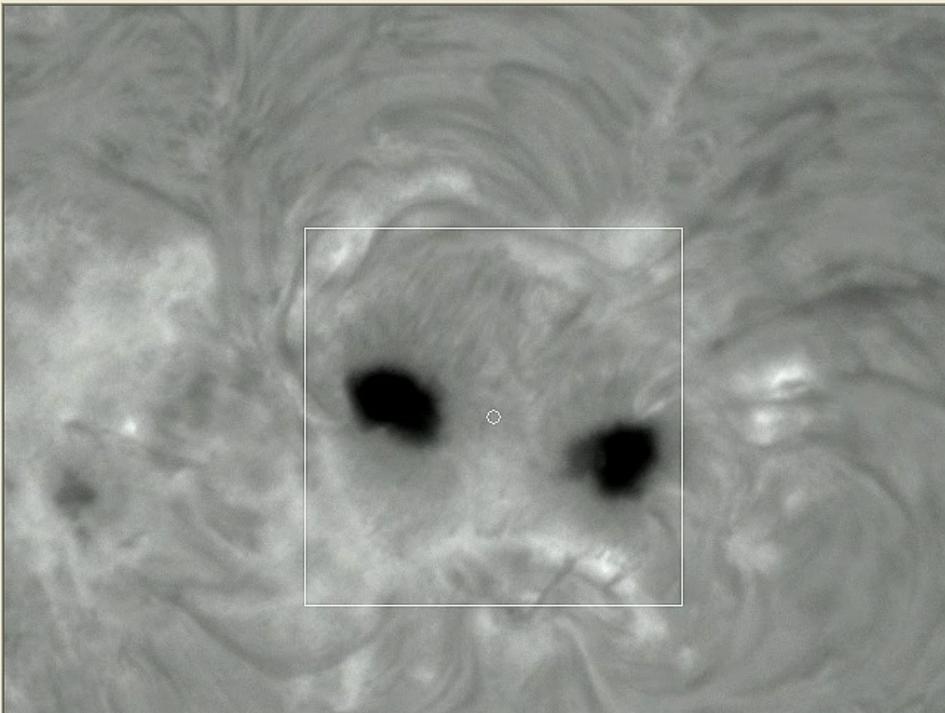
Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack

Language setting



Preview negative Preview gamma Frame (1): 1/160 Goto Frame 1 Auto limit

11% | Processing Frame:18 Fps 4.666 | Alignment processing

Optimisation ...

Registax processing AVI: SunHalpHa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Optimize & Stack Optimize Optimizer mode
 V4 style V5 style

Optimizer setting

Optimizer Limits
Search area 1 pixels
Optimize until less than 1% improvement

Graphs
 Difference
 Movements

Options
 Single run optimizer
 Reset alignmentpoints

Reference-Frame

Create a Reference frame
Frames to stack
Create Reference 2

Resample/Drizzle

Style: None Resampling Drizzling
Method: Bell
Factor: 2.0

Reference Processing 123 Current

Average pixel difference :5.049 max :7.175

Quality Difference

18% | 2Processing frame :26 | Optimizing 91 frames

Stack...

Registax processing AVI: SunHalpa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Stack Save image Colour LRGB Stack Mode Standard Sigmaclip

Stacking Options

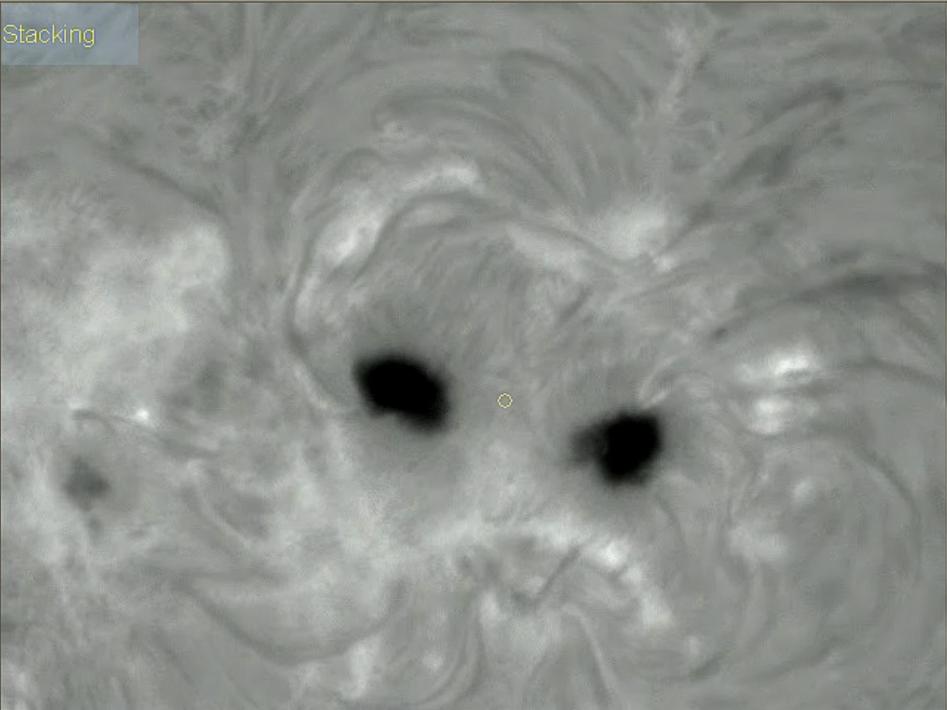
Options

- Expand to maximum imagesize
- Stretch histogram after stacking
- Normalize intensity over frames
- Show Stacklist
- Show Stackgraph

Do not stack pixels at the framee

Multi-point stacking options

- Fast method
- Use feather of pixels
- Show alignment sections
- OptimalDerotate



Stacking

15% | 2Processing frame :16 | Final Stack size (n=91) - (640x480)

Wavelets...

Registax processing AVI: SunHalpHa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Process Do All Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

Waveletscheme: Dyadic (2^n) Linear

Initial Layer: 1 Step Increment: 0

Layer	Preview
<input checked="" type="checkbox"/> 1 : 1 0.10 1.0	
<input checked="" type="checkbox"/> 2 : 1 0.10 1.0	
<input checked="" type="checkbox"/> 3 : 1 0.10 1.0	
<input checked="" type="checkbox"/> 4 : 1 0.10 1.0	
<input checked="" type="checkbox"/> 5 : 1 0.10 1.0	
<input checked="" type="checkbox"/> 6 : 1 0.10 1.0	

Load Scheme Save Scheme

Graphs

Histogram Gamma

Resize Image RGB Balance

Wavelet Filter View Stacksize

Clipboard

Copy to Clipboard Difference with Clipboard

Toggle: Current Image Clipboard Image

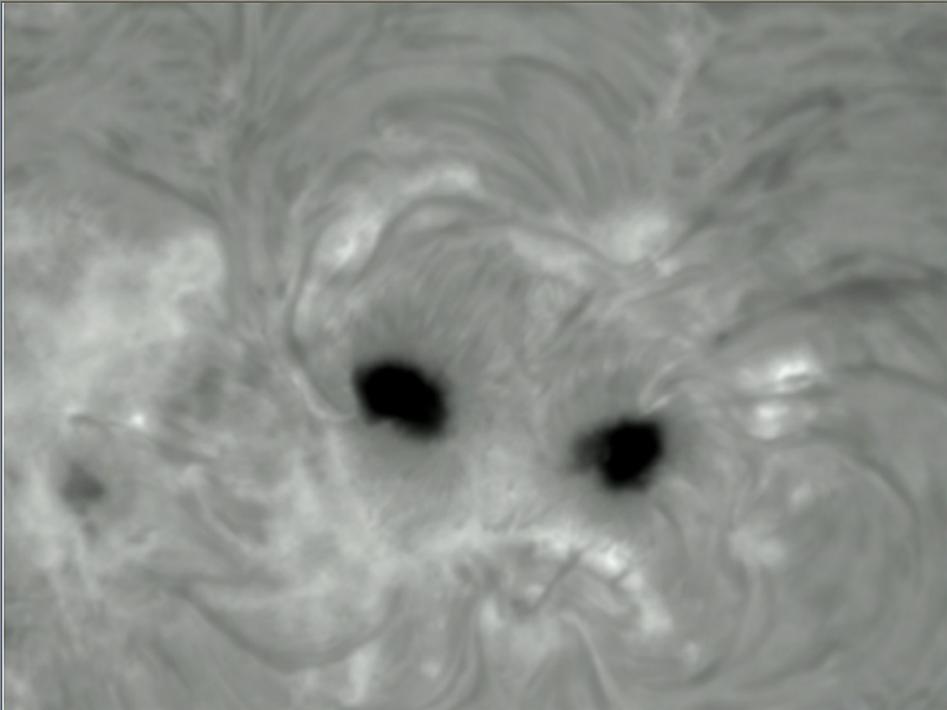
Clipboardfront

Contrast/Brightness

Contrast Brightness

Reset 100 0

Hold Settings



100% Calculating wavelets done | Stack size (n=92) - (640x480)

Wavelet work ...

Registax processing AVI: SunAlpha.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Process Do All Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

Waveletscheme: Dyadic (2^n) Linear

Initial Layer: 1 Step Increment: 0

Layer Preview

<input type="checkbox"/> 1:1	0.10	1.0
<input checked="" type="checkbox"/> 2:1	0.10	100
<input checked="" type="checkbox"/> 3:1	0.10	1.0
<input checked="" type="checkbox"/> 4:1	0.10	1.0
<input checked="" type="checkbox"/> 5:1	0.10	1.0
<input checked="" type="checkbox"/> 6:1	0.10	1.0

Load Scheme Save Scheme

Graphs

Histogram Gamma

Resize Image RGB Balance

Wavelet Filter View Stacksize

Clipboard

Copy to Clipboard Difference with Clipboard

Toggle

- Current Image
- Clipboard Image

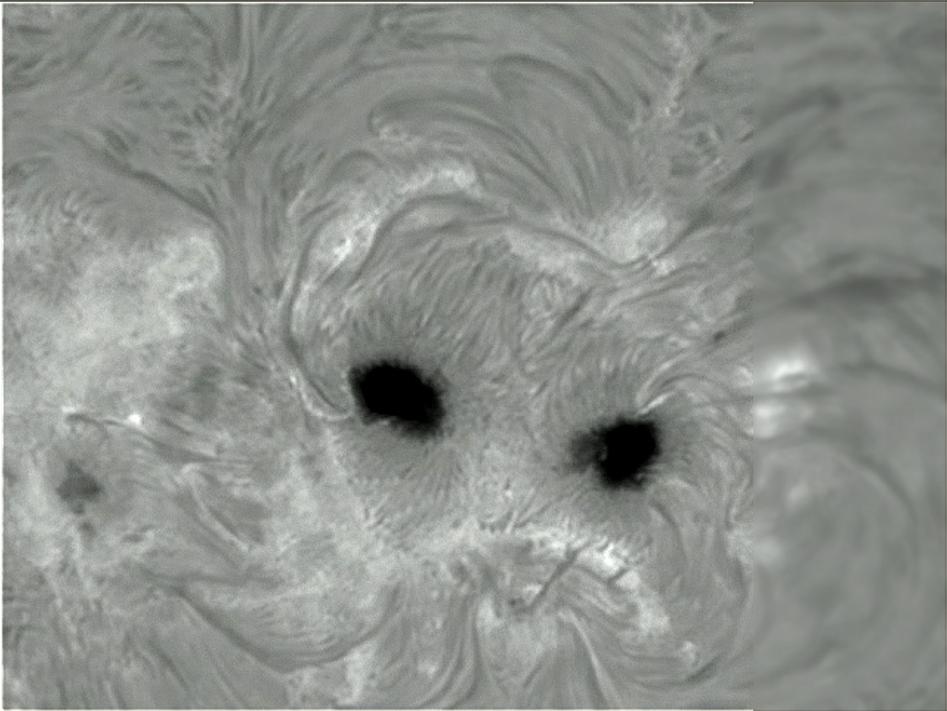
Clipboardfront

Contrast/Brightness

Contrast Brightness

Reset 100 0

Hold Settings



100% layer setting changed | pixel x:30 y:470 stacksize: 92.0 R: 147.5 G: 150.5 B: 147.0

Do all ...

Possibilité de ré-alignment...

Re-alignment ...

Registax processing AVI: SunHalpaha.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Optimize & Stack Optimize Optimizer mode
 V4 style V5 style

Optimizer setting

Optimizer Limits
Search area pixels
Optimize until less than % improvement

Graphs
 Difference
 Movements

Options
 Single run optimizer
 Reset alignmentpoints

Reference-Frame

Create a Reference frame
Frames to stack
Create Reference

Resample/Drizzle

Style: None Resampling Drizzling
Method: Bell
Factor:

Reference Current
Processing 94

Average pixel difference :4.488 max :6.016

Quality Difference

100% Do_all processing finished | pixel x:110 y:1 stacksize: 78.0 R: 125.7 G: 130.4 B: 125.1

Re-alignment / optimisation ...

Registax processing AVI: SunHalpna.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Optimize & Stack Optimize

Optimizer mode
 V4 style V5 style

Optimizer setting

Optimizer Limits
Search area pixels
Optimize until %
less than improvement

Graphs
 Difference
 Movements

Options
 Single run optimizer
 Reset alignmentpoints

Reference-Frame

Create a Reference frame
Frames to stack
Create Reference

Resample/Drizzle

Style: None Resampling Drizzling
Method: Bell
Factor:

Reference Processing 122 Current

Initial optimizing run

The graph shows two data series: Quality (red line) and Difference (green line). The Quality line starts at a low value and quickly rises to a high, stable plateau. The Difference line starts at a high value and quickly drops to a low, stable plateau. The x-axis represents time or frame number, and the y-axis represents the magnitude of the quality and difference metrics.

9% | 2Processing frame :122 | Optimizing 91 frames

Re-alignment / optimisation ...

Registax processing AVI: SunHalpna.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Optimize & Stack Optimize

Optimizer mode
 V4 style V5 style

Optimizer setting

Optimizer Limits
Search area pixels
Optimize until %
less than improvement

Graphs
 Difference
 Movements

Options
 Single run optimizer
 Reset alignmentpoints

Reference-Frame

Create a Reference frame
Frames to stack
Create Reference

Resample/Drizzle

Style None Resampling Drizzling
Method
Factor

Reference Processing 86 Current

Average pixel difference :6.618 max :7.257

Quality Difference

36% | 2Processing frame :109 | Optimizing 91 frames (% improvement :99)

Re-alignment / stack ...

Registax processing AVI: SunHalpaha.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Stack Save image Colour LRGB Stack Mode Standard Sigmaclip

Stacking Options

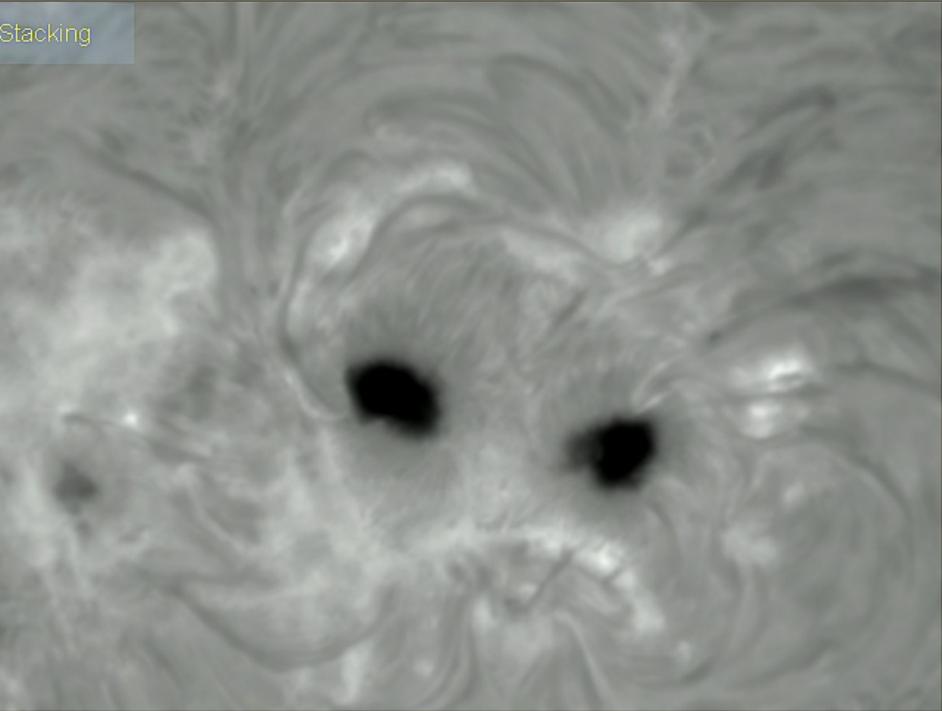
Options

- Expand to maximum imagesize
- Stretch histogram after stacking
- Normalize intensity over frames
- Show Stacklist
- Show Stackgraph

Do not stack pixels at the framee

Multi-point stacking options

- Fast method
- Use feather of pixels
- Show alignment sections
- OptimalDerotate



Stacking

15% | 2Processing frame :16 | Final Stack size (n=91) - (640x480)

Re-alignment / wavelets ...

Registax processing AVI: SunHalpHa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Process Do All Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

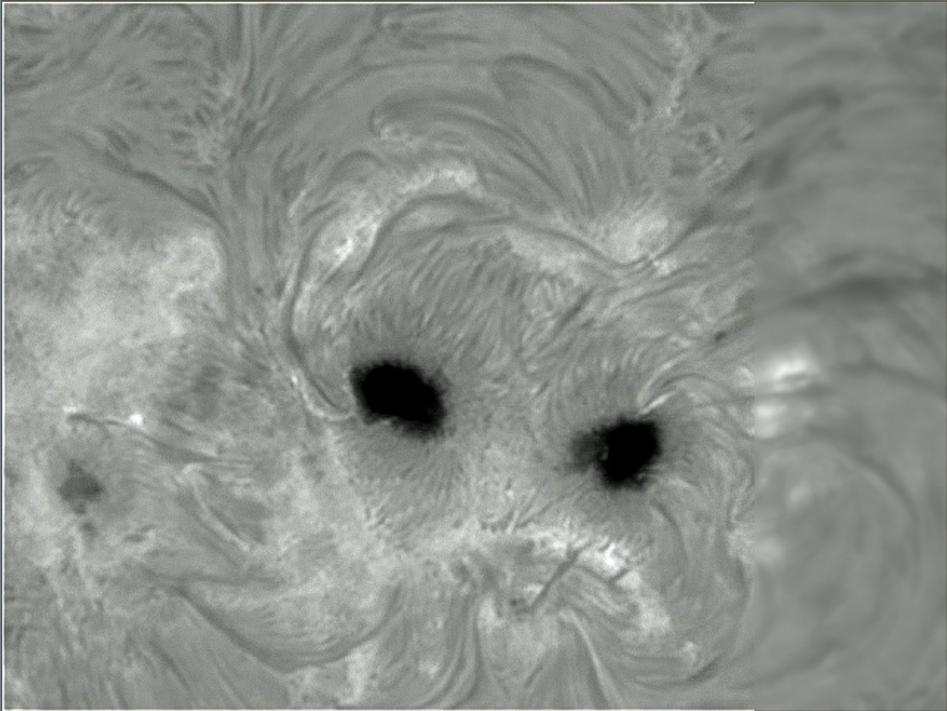
Waveletscheme: Dyadic (2ⁿ) Linear

Initial Layer: 1 Step Increment: 0

Layer Preview

- 1:1 0.10 1.0
- 2:1 0.10 100
- 3:1 0.10 1.0
- 4:1 0.10 1.0
- 5:1 0.10 1.0
- 6:1 0.10 1.0

Load Scheme Save Scheme



Graphs

- Histogram Gamma
- Resize Image RGB Balance
- Wavelet Filter View Stacksize

Clipboard

- Copy to Clipboard Difference with Clipboard
- Toggle: Current Image Clipboard Image
- Clipboardfront

Contrast/Brightness

Contrast Brightness

Reset 100 0

Hold Settings

100% Calculating wavelets done Stack size (n=92) - (640x480)

Re-alignment / Do all ...

Registax processing AVI: SunHalpHa.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Process **Do All** Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

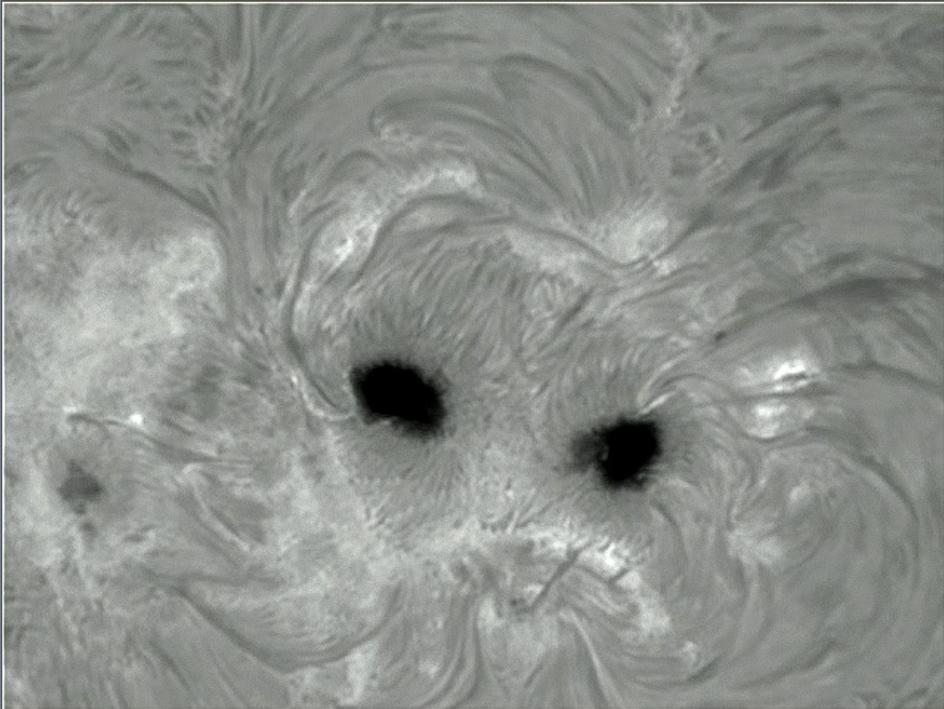
Waveletscheme: Dyadic (2^n) Linear

Initial Layer: 1 Step Increment: 0

Layer Preview

<input type="checkbox"/> 1:1	0.10	1.0
<input checked="" type="checkbox"/> 2:1	0.10	100
<input checked="" type="checkbox"/> 3:1	0.10	1.0
<input checked="" type="checkbox"/> 4:1	0.10	1.0
<input checked="" type="checkbox"/> 5:1	0.10	1.0
<input checked="" type="checkbox"/> 6:1	0.10	1.0

Load Scheme Save Scheme



Graphs

Histogram Gamma

Resize Image RGB Balance

Wavelet Filter View Stacksize

Clipboard

Copy to Clipboard Difference with Clipboard

Toggle

- Current Image
- Clipboard Image

Clipboardfront

Contrast/Brightness

Contrast Brightness

Reset 100 0

Hold Settings

100% position X1= 500 Y1=0 Stack size (n=92) - (640x480)

Gamma for a more appealing image ...

Registax processing AVI: SunHalp.alpha.avi

Select Flat/Dark Imageinfo Project Save Load Save as Layouts LastLayout Save Reset Pause Cancel Batch

Align Optimize Stack Wavelet Final About File Version: 5.0.0.89 28-10-2008 10:34 Memory Used:86MB (HD:864136576)

Process Do All Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

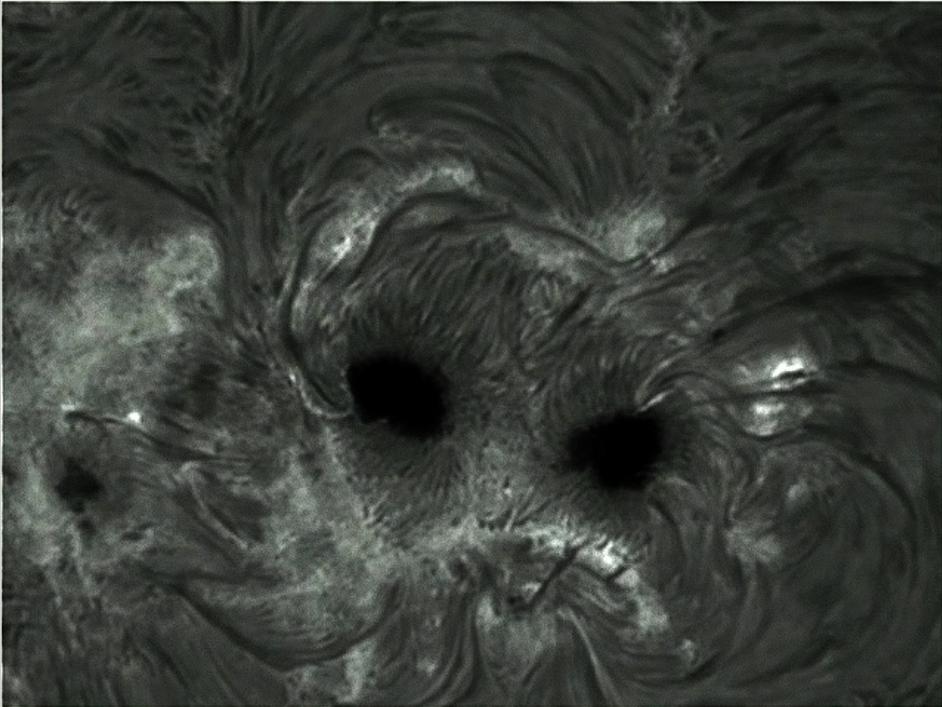
Waveletscheme: Dyadic (2^n) Linear

Initial Layer: 1 Step Increment: 0

Layer Preview

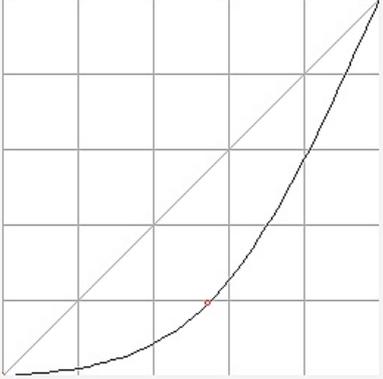
- 1:1 0.10 1.0
- 2:1 0.10 100
- 3:1 0.10 1.0
- 4:1 0.10 1.0
- 5:1 0.10 1.0
- 6:1 0.10 1.0

Load Scheme Save Scheme



Gamma_Panel

right-click : insert a point ctrl-left-click : delete a point double-click : reset



Linear

Load Save Reset

Gamma (overrules graph) 1.00

Graphs

- Histogram
- Gamma
- Resize Image
- RGB Balance
- Wavelet Filter
- View Stacksize

Clipboard

- Copy to Clipboard
- Difference with Clipboard

Toggle

- Current Image
- Clipboard Image

Clipboardfront

Contrast/Brightness

Contrast Brightness

Reset 100 0

Hold Settings

100% | Do_all processing finished | pixel x:248 y:457 stacksize: 92.0 R: 175.1 G: 179.9 B: 175.9

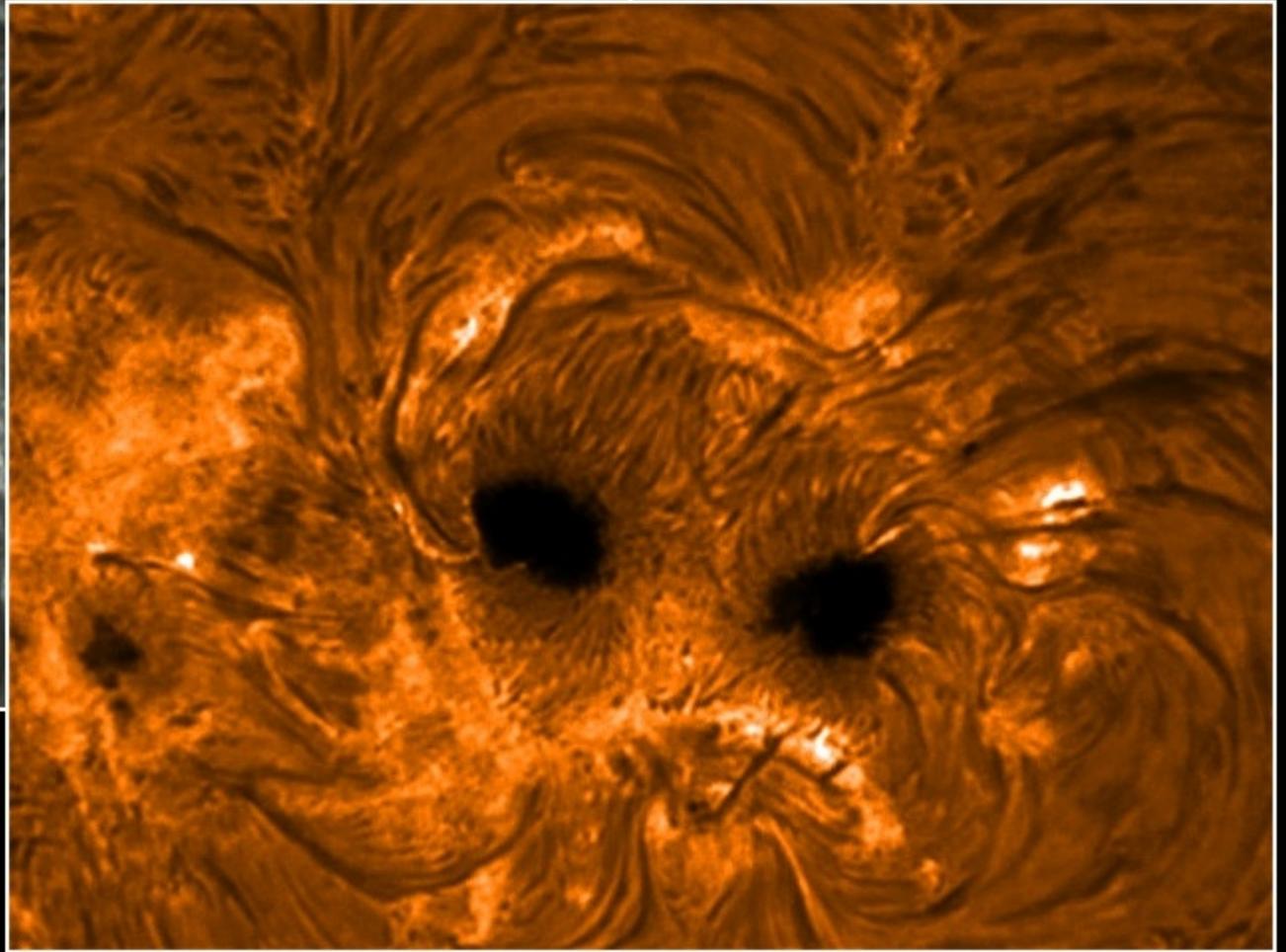
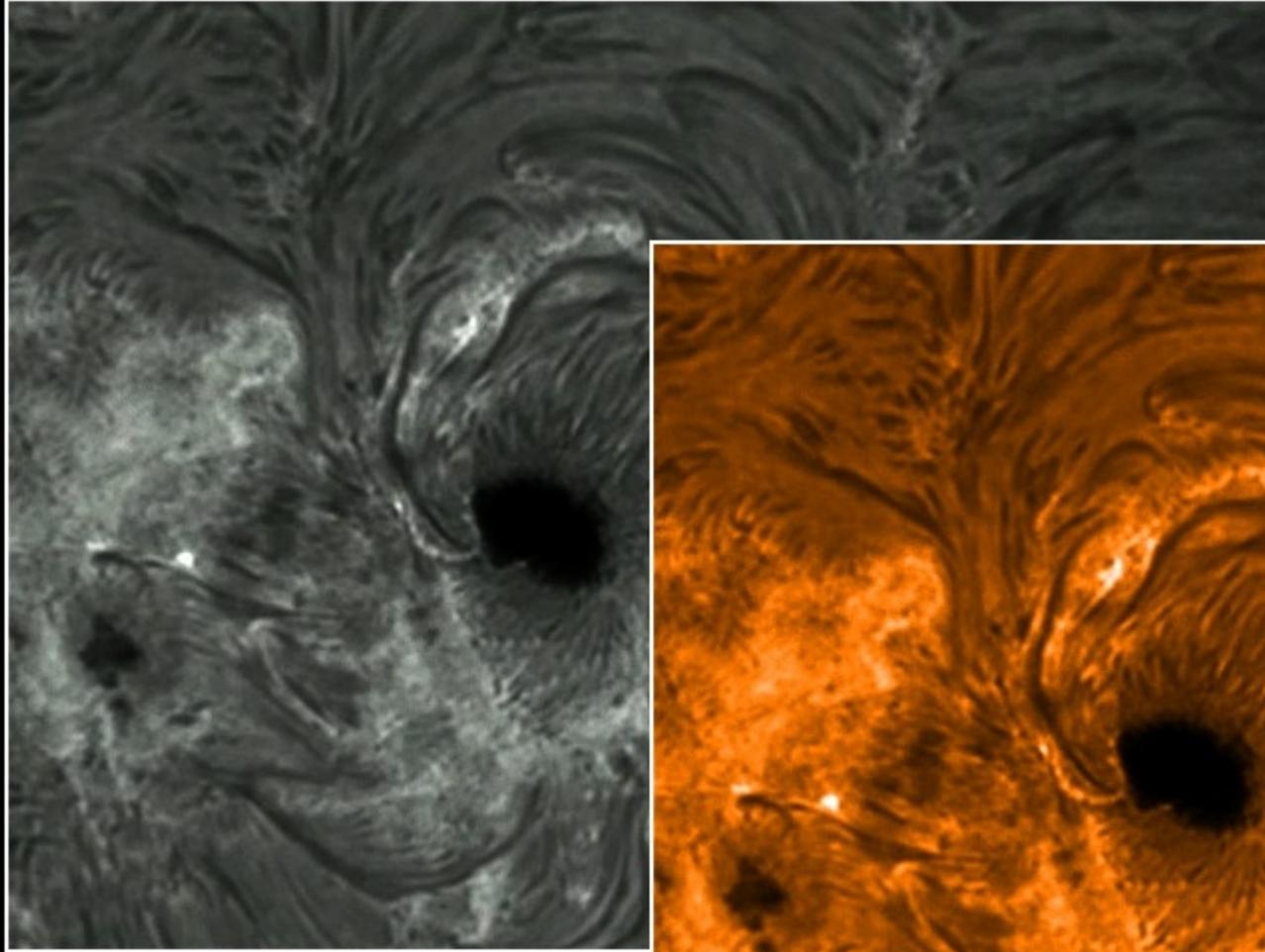
Saving ...

The screenshot shows a software window titled "Registax processing AVI: SunHalp...". The main interface includes a menu bar (Select, Flat/Dark, Imageinfo, Project, Save, Load, Save as, Layouts, Save, Reset, Pause, Cancel, Batch), a toolbar (Align, Optimize, Stack, Wavelet, Final, About), and a status bar (File Version: 5.0.0.89, 28-10-2008 10:34, Memory Used: 86MB). The "Wavelet" tab is active, showing "Wavelet settings" on the left and "Graphs" and "Clipboard" on the right. A "Save as" dialog box is open, titled "Enregistrer sous", with the file name "SunHalp" and format "JPEG(8BIT*RGB)". A list of file formats is displayed below the format dropdown:

- JPEG(8BIT*RGB)
- BMP (8BIT*RGB)
- JPEG(8BIT*RGB)
- FIT (16BIT) RGB separate
- TIFF(16BIT *RGB)
- PNG (16BIT*RGB)

The text "Choice of formats ..." is overlaid on the bottom of the dialog box. The status bar at the bottom shows "100%", "Do_all processing finished", and "Stack size (n=92) - (640x480)". An "E-mail Scanner" window is visible in the bottom right corner.

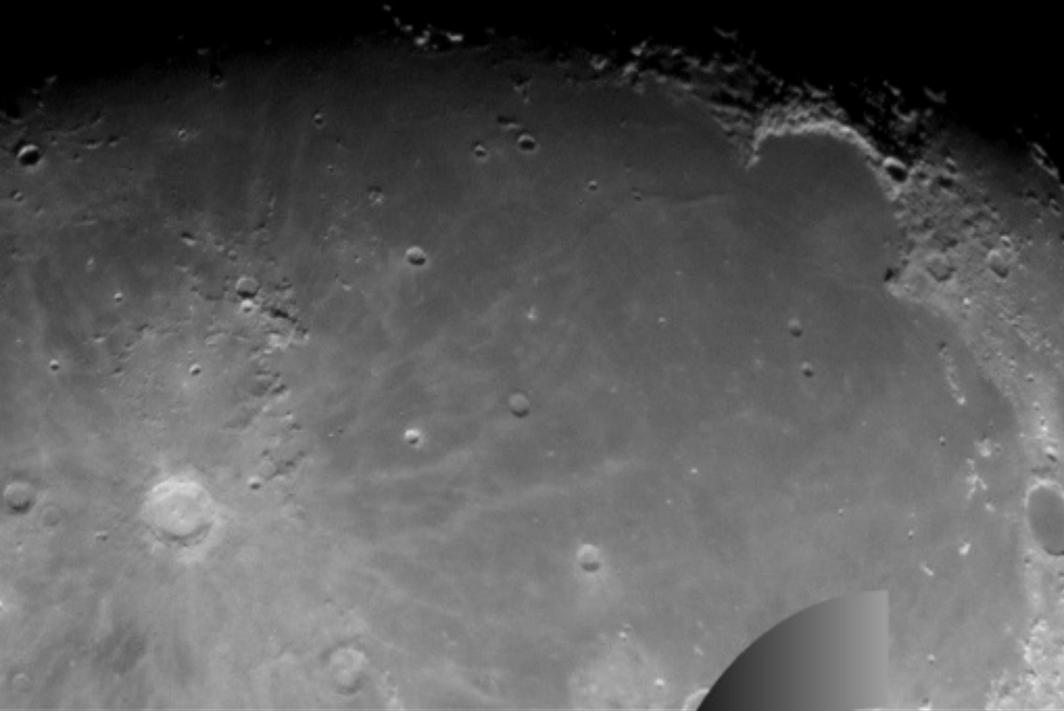
Final result final after external colorisation ...



Exemple 2

Low power Moon AVI





<--- raw image

Lune



Final result !

Alignment options

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box
 De - Rotate
 Save derotated JPEG

Processing area

Size 256 Pixels
 Hold setting

Quality

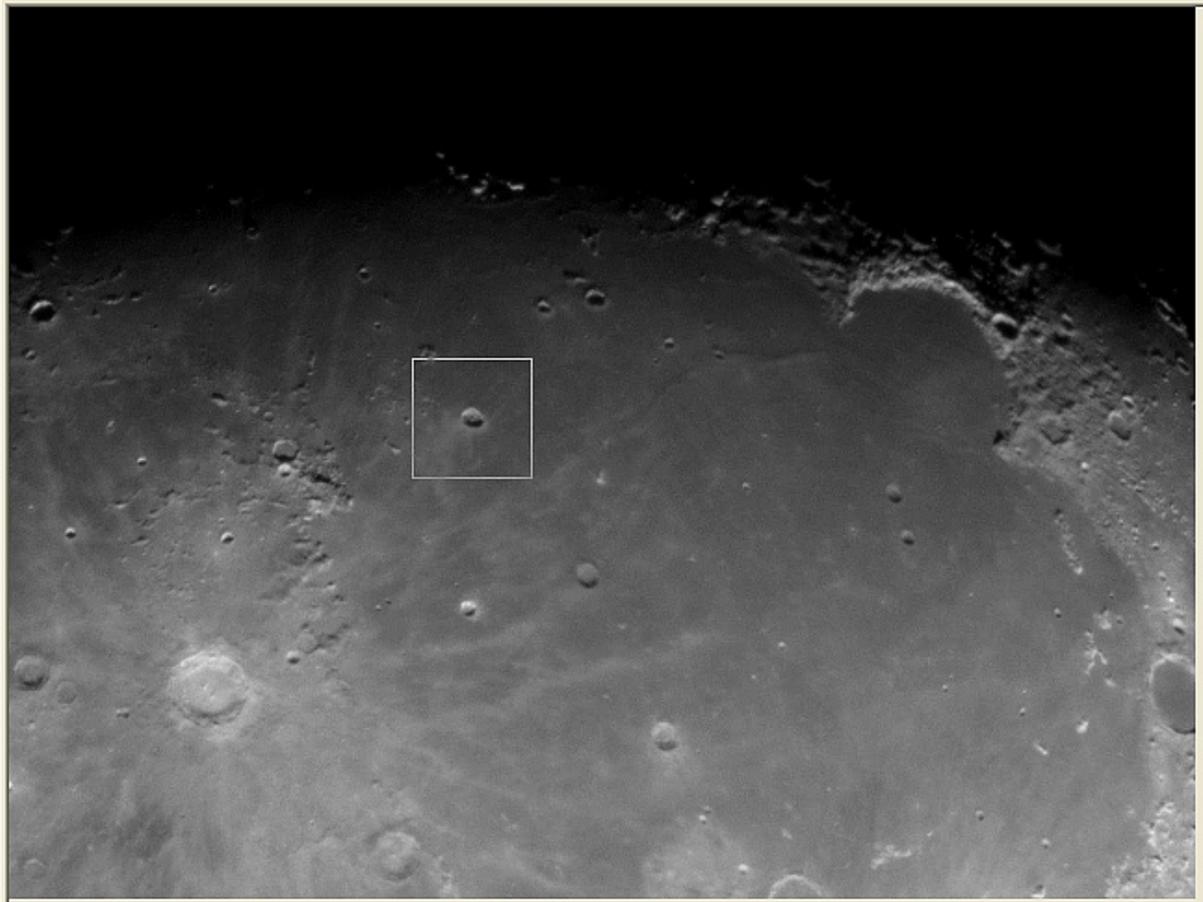
Gradient2
 Lowest quality 80
 Use Ninox

Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack
 Stack to Wavelet



Multi-alignment_panel

Multi A-method
 Simple Multi-Quantity

Show Alignmentzones
 Maximum drift (pix) 5

Absolute Relative

Threshold 9 Radius 5
 Minimum distance between points (pix) 32

X 2 Y 2
 Matrix FFTsize 64
 Free space to edge 32

Alignmentpoints: 0

X	Y	FFT

Alignment options

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box
 De - Rotate
 Save derotated JPEG

Processing area

Size Pixels
 Hold setting

Quality

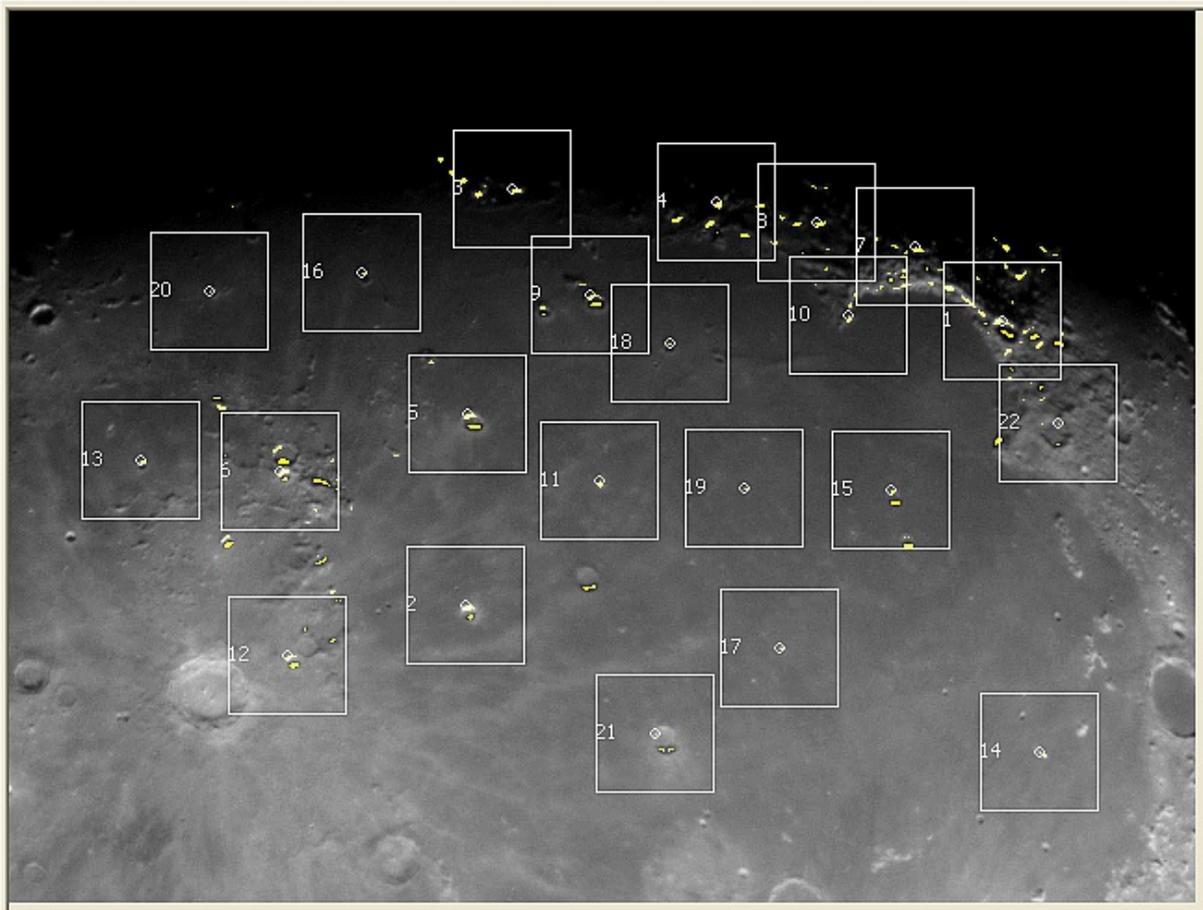
Gradient2
 Lowest quality
 Use Ninnox

Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack
 Stack to Wavelet



Multi-alignment_panel

Multi A-method
 Simple Multi-Quantity

Show Alignmentzones
 Maximum drift (pix)

Absolute Relative

Threshold Radius
 Minimum distance between points (pix)

X Y

Matrix FFTsize
 Free space to edge

Alignmentpoints: 22

	X	Y	FFT
1	536	167	64
2	247	320	64
3	272	96	64
4	382	103	64
5	248	217	64

Alignment options

Align settings

Alignmentbox size
 32 128 512
 64 256

Alignment Method
 Default None
 Multi

Region of interest

Manual Alignment
 Userdefined Alignment Box
 De - Rotate
 Save derotated JPEG

Processing area

Size Pixels
 Hold setting

Quality

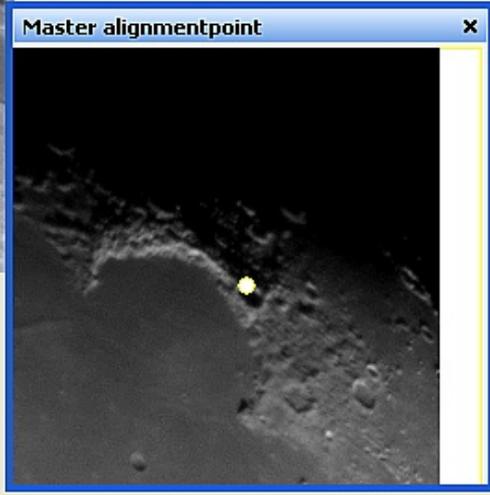
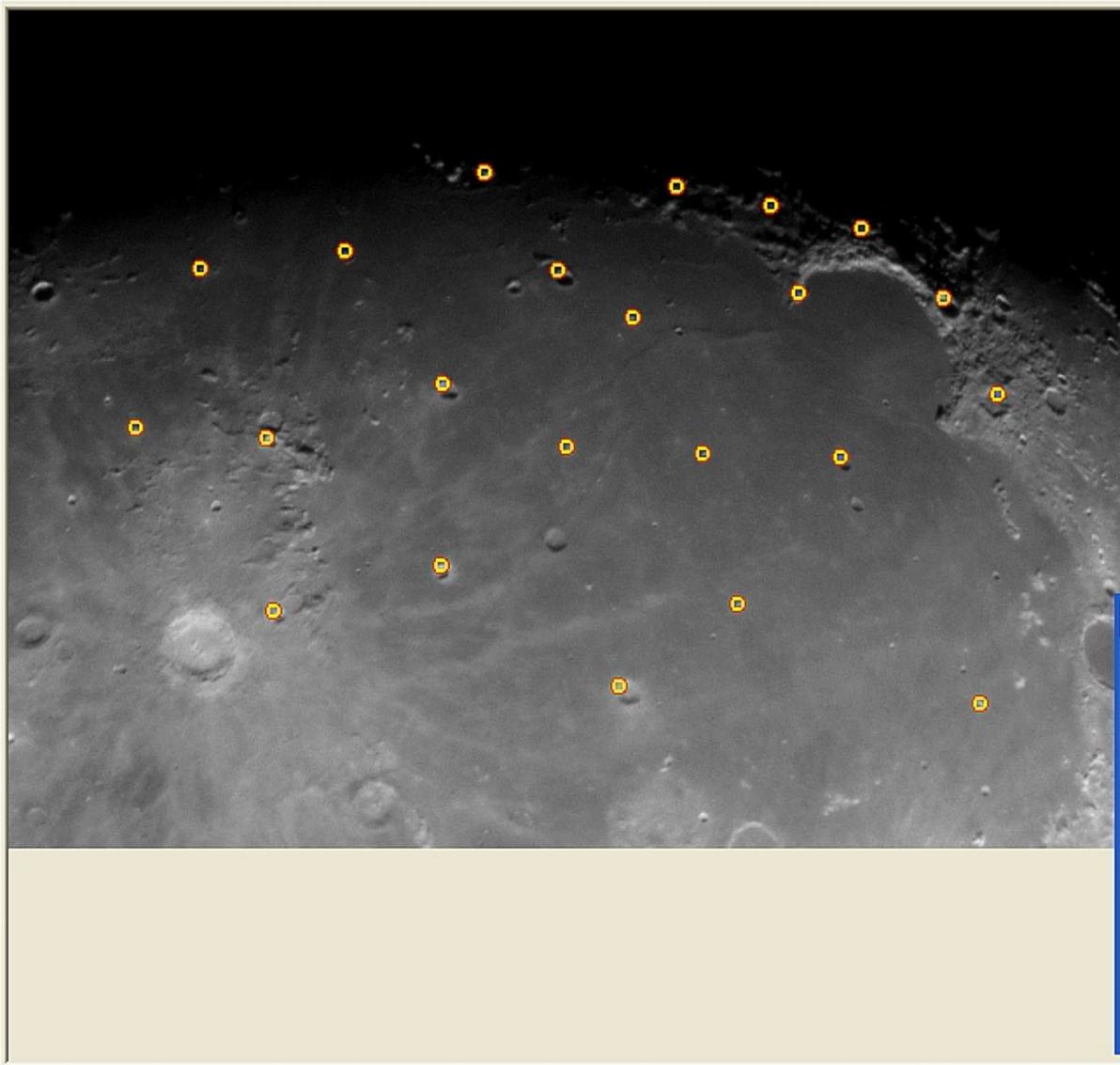
Gradient2
 Lowest quality
 Use Ninox

Tracking Settings

Track object
 Predict track
 Misalign warning
 Ignore misaligned frames

Automatic processing

Align to Optimize
 Limit to Optimize
 Optimize to Stack
 Stack to Wavelet



Optimize & Stack Optimize

Optimizer mode
 V4 style V5 style

Optimizer Prefilter

Optimizer setting

Optimizer Limits
 Search area pixels
 Optimize until less than % improvement

Graphs
 Difference
 Movements

Options
 Single run optimizer
 Reset alignmentpoints

Reference-Frame

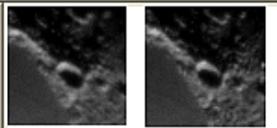
Create a Reference frame
 Frames to stack

Resample/Drizzle

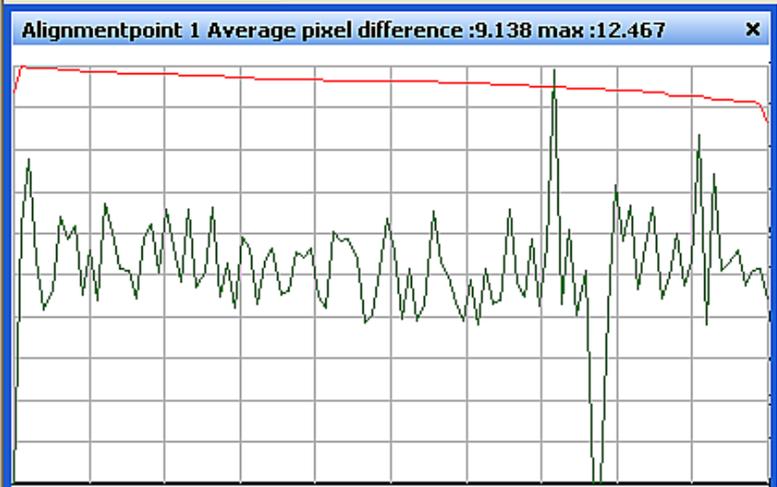
Style
 None
 Resampling
 Drizzling

Method

Factor



Reference Current
 Processing 81



Stack **Save image** Colour LRGB Stack Mode Standard Sigmaclip

Stack Options Additional options Sigma Clip /Avi save

Stacking Options

Options

- Expand to maximum imagesize
- Stretch histogram after stacking
- Normalize intensity over frames
- Show Stacklist
- Show Stackgraph

Do not stack pixels at the framee

Multi-point stacking options

- Fast method
- Use feather of pixels
- Show alignment sections
- OptimalDerotate



Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter: Default Gaussian

Waveletscheme: Dyadic (2ⁿ) Linear

Initial Layer: Step Increment:

Layer Preview

- 1 : 1
- 2 : 1
- 3 : 1
- 4 : 1
- 5 : 1
- 6 : 1

Load Scheme Save Scheme



Multi-alignment_panel

Multi A-method: Simple Multi-Quantity

Show Alignmentzones

Maximum drift (pix):

Estimate Alignpoints Absolute Relative

Threshold: Radius:

Minimum distance between points (pix):

Create Matrix X: Y:

Matrix FFTsize:

Free space to edge:

Save Points Load Points

Alignmentpoints: 22

	X	Y	FFT
1	536	167	64
2	247	320	64
3	272	96	64
4	382	103	64
5	248	217	64

Options RGB Align/RGB

Lock on Alignment

Wavelet settings

- Automatic
- Hold Wavelet Setting
- Show Processing Area
- Show Alignment Points
- View Full Image
- Show Zoomed
- High Pass

Wavelet filter

Default Gaussian

Waveletscheme

Dyadic (2^n) Linear

Initial Layer Step Increment

Layer Preview

1:1 0.10 1.0

2:1 0.10 58.5

3:1 0.10 1.0

4:1 0.10 1.0

5:1 0.10 1.0

6:1 0.10 1.0

Load Scheme Save Scheme



Multi-alignment_panel

Multi A-method

Simple Multi-Quantity

Clear Alignpoints

Show Alignmentzones

Maximum drift (pix)

Estimate Alignpoints

Absolute Relative

Threshold Radius

Minimum distance between points (pix)

Create Matrix

X Y

Matrix FFTsize

Free space to edge

Save Points Load Points

Alignmentpoints: 22

	X	Y	FFT
1	536	167	64
2	247	320	64
3	272	96	64
4	382	103	64
5	248	217	64

Process **Do All** Save image Realign_with Processed Reset Continue

Lock on Alignment

Wavelet settings

Automatic
 Hold Wavelet Setting
 Show Processing Area
 Show Alignment Points
 View Full Image
 Show Zoomed
 High Pass

Wavelet filter
 Default Gaussian

Waveletscheme
 Dyadic (2^n) Linear

Initial Layer Step Increment

Layer Preview

1:1 0.10 1.0

2:1 0.10 58.5

3:1 0.10 1.0

4:1 0.10 1.0

5:1 0.10 1.0

6:1 0.10 1.0

Load Scheme Save Scheme



Graphs

Clipboard

Toggle
 Current Image
 Clipboard Image

Contrast/Brightness

Contrast Brightness

 Hold Settings

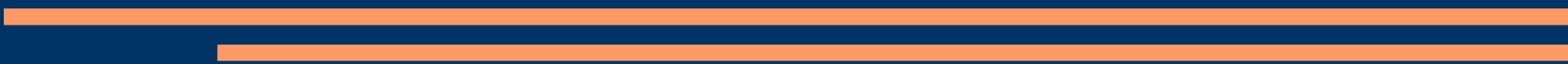
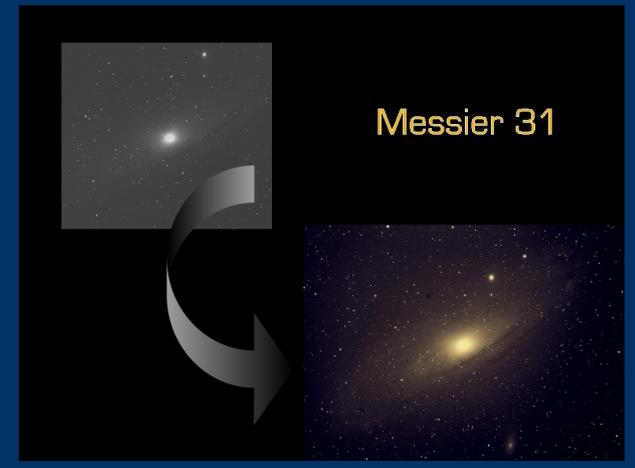
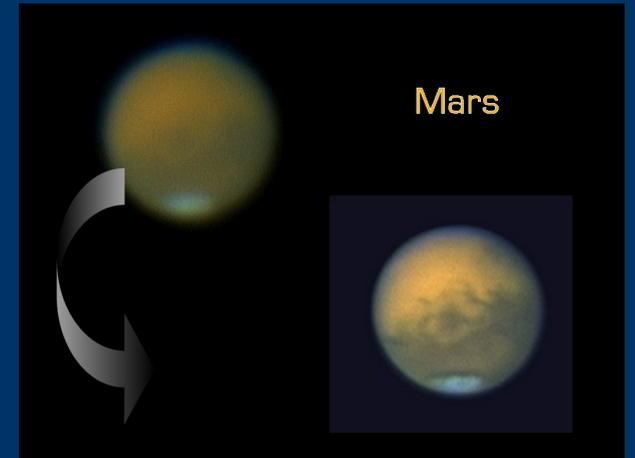
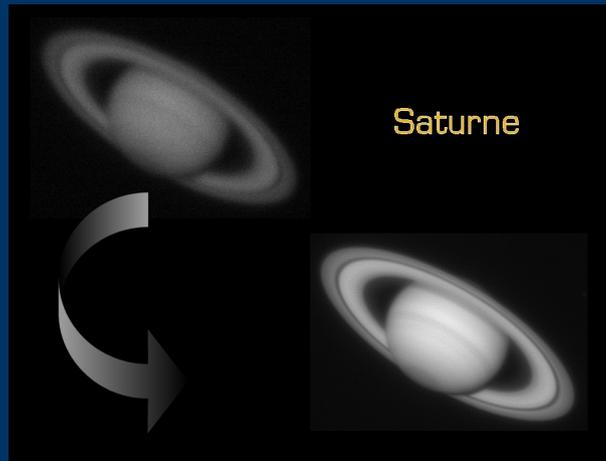
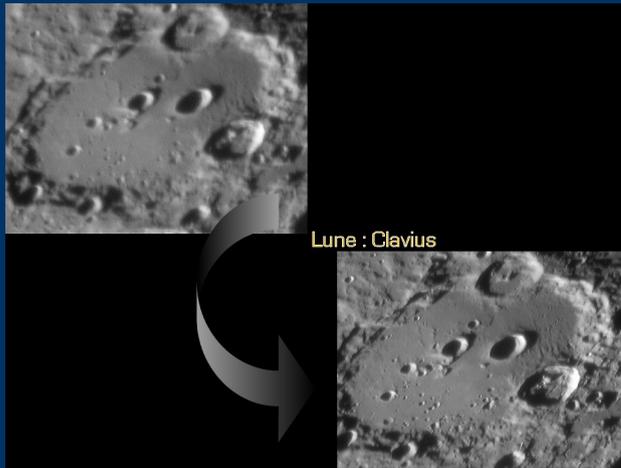
100%

Do_all processing finished

pixel x:6 y:62 stacksize: 100.0 R: 0.0 G: 0.0 B: 0.0

Options: RGB Align/RGB

Other examples ...



Maintenant pour terminer

Ouvrons ensemble la dernière version en ma possession de REGISTAX V5 Beta

En vue de la présentation de demain où nous verrons les fonctions avancées, merci de me transmettre le plus tôt possible vos éventuelles questions pointues.

Une petite note à la fin de cette séance ou un email en début de soirée (sweiller@free.fr / mettre comme sujet : RCE/2008).

Des images sur mon site : <http://sweiller.free.fr>
