

**ISS**

**SSTV**

**Images**

# Simple Hardware Setup

- VHF FM receiver
- External antenna
- Soundcard Input
- Computer

Free software - MMSSTV

# ARISS 20th Anniversary Celebration



20<sup>th</sup>  
Anniversary!



ARISAT NA, Oct 14, 2004

ARISAT UK, August, 2005

**RSOISS**

NAISS

17 серія **5/12**



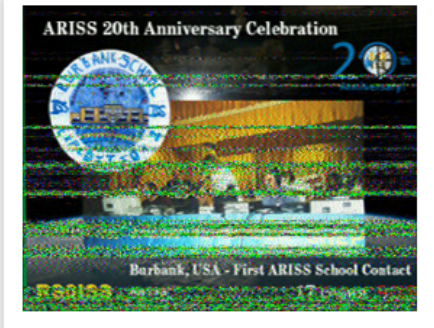
Img-09



Search



Hist60.bmp



Hist63.bmp



Hist70.bmp



Hist73.bmp



Hist83.bmp





ARISS 20th Anniversary Celebration



*Season's Greetings*

Счастливых зимних праздников

*Regards à Noël*

歳末ご多忙のおり、ますますご繁栄の事とお喜び申し上げます。

*Goodness Falls*

*Felic Winterhies*

ARISS


NA1SS

17 серия 12/12

RS

Open
Image Processing
Scripts
Siril-0.99.6
Mem: 114.2M
Disk Space: 345.5G
8
Save
16 bits

Red
Green
Blue
RGB



ONLY FOR VISUALISATION

Current working sequence: ISS-09\_, 2 images selected

cut
 

255

Link
 

0

Min/Max  
 MIPS-LO/Hi  
 User

Linear

Conversion
Sequence
Pre-processing
Registration
Plot
Stacking

Source

Name	Date
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/lmg-09/Hist60.bmp	Sun Dec 27 03:38:16 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/lmg-09/Hist63.bmp	Sun Dec 27 05:18:24 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/lmg-09/Hist70.bmp	Mon Dec 28 02:49:12 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/lmg-09/Hist73.bmp	Mon Dec 28 04:30:25 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/lmg-09/Hist83.bmp	Tue Dec 29 03:39:29 2020

5 files loaded

Destination

Sequence name:

ISS-09

FITS images

1

Convert

Symbolic Link
  Debayer

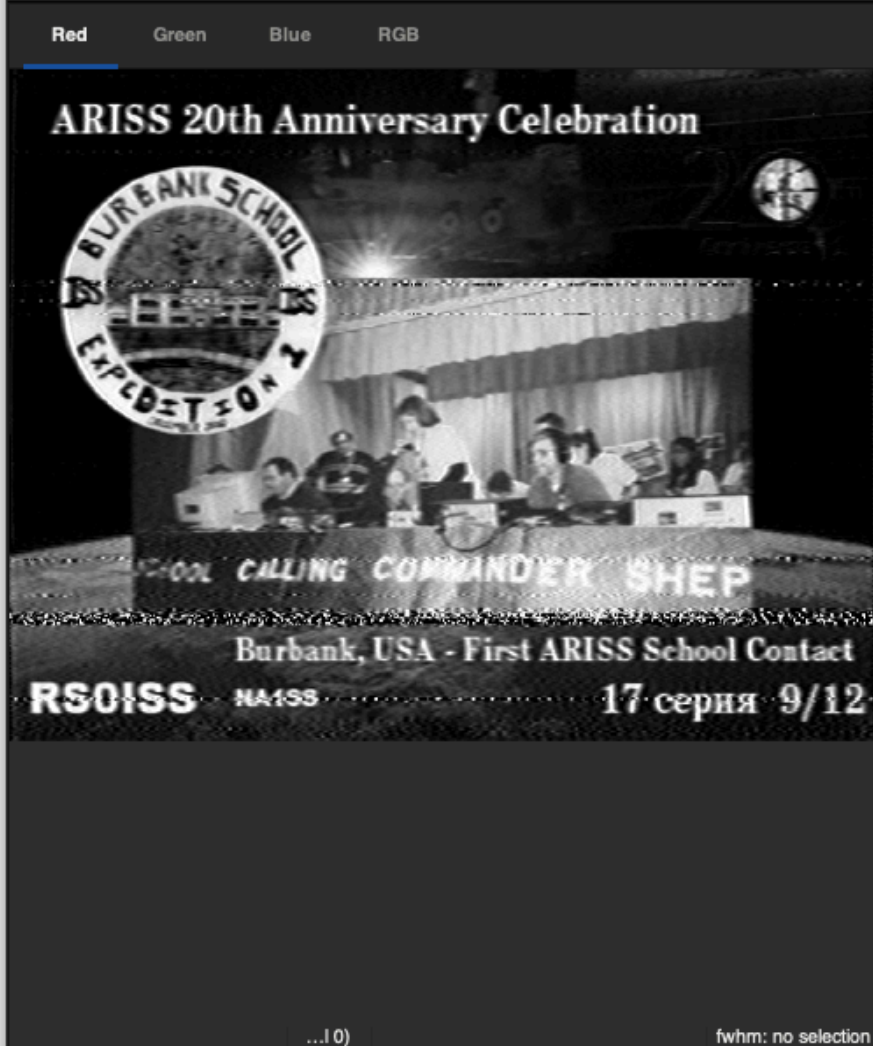
Supported file types: BMP images, PIC images (IRIS), PGM and PPM binary images, RAW images, FITS-CFA images, Films, SER sequences, TIFF images, JPG images, PNG images, HEIF images.

Command line

Type "help" for the list of supported commands

Stop

Ready.



Conversion | Sequence | Pre-processing | Registration | Plot | Stacking

Source

Name	Date
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/Img-09/Hist60.bmp	Sun Dec 27 03:38:16 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/Img-09/Hist63.bmp	Sun Dec 27 05:18:24 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/Img-09/Hist70.bmp	Mon Dec 28 02:49:12 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/Img-09/Hist73.bmp	Mon Dec 28 04:30:25 2020
/Volumes/Share-1/HamRadio/MMSSTV/ISS-2020-12/Img-09/Hist83.bmp	Tue Dec 29 03:39:29 2020

5 files loaded

Destination

Sequence name: ISS-09 | FITS images | 1

Convert

Symbolic Link  Debayer

Supported file types: BMP images, PIC images (IRIS), PGM and PPM binary images, RAW images, FITS-CFA images, Films, SER sequences, TIFF images, JPG images, PNG images, HEIF images.

Command line

Type "help" for the list of supported commands

Ready.

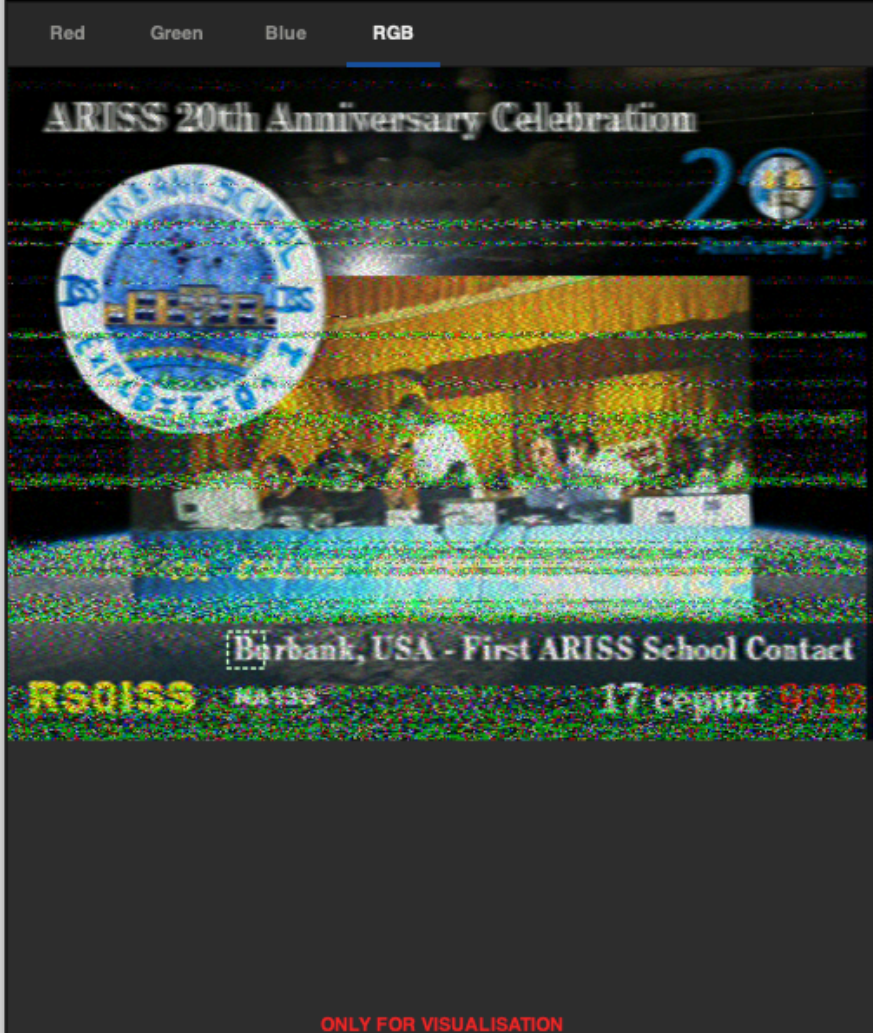
Current working sequence: ISS-09\_, 2 images selected

cut | 255 | Min/Max | MIPS-LO/HI | User | Linear

0

Icons: Home, Star, Mail, Plus, Grid, Info, Rotate, Crop, Flip, Scale, Zoom





```

17:06:56: Closing sequence ISS-09_
17:06:56: Execution time: 146.46 ms.
17:07:13: Registration: processing using method: Image Pattern Alignment (planetary - full disk)
17:07:13: Recomputing already existing registration for this layer
17:07:13: Registration finished.
17:07:13: Best frame: #1.
17:07:28: Stacking will use registration data of layer 0 if some exist.
17:07:28: Stacking: processing...
17:07:28: Processing all images in the sequence (2)
17:07:28: Stacking result will be stored as a 32-bit image
17:07:28: Computing normalization...
17:07:28: With the current memory and thread (8) limits, up to 8 thread(s) can be used for sequence normalization
17:07:28: Using 8162 MB memory maximum for stacking
17:07:28: We have 24 parallel blocks of size 62 (+0) for stacking.
17:07:28: Starting stacking...
17:07:28: Pixel rejection in channel #0: 32.383% - 40.656%
17:07:28: Pixel rejection in channel #1: 32.323% - 43.296%
17:07:28: Pixel rejection in channel #2: 32.815% - 40.706%
17:07:28: Rejection stacking complete. 2 images have been stacked.
17:07:28: Integration of 2 images:
17:07:28: Pixel combination ..... average
17:07:28: Normalization ..... additive + scaling
17:07:28: Pixel rejection ..... percentile clipping
17:07:28: Rejection parameters ..... low=0.200 high=0.100
17:07:28: Background noise value (channel: #0): 20.589 (3.142e-04)
17:07:28: Background noise value (channel: #1): 18.125 (2.766e-04)
17:07:28: Background noise value (channel: #2): 20.025 (3.056e-04)
17:07:28: Saving FITS: file ISS-09_stacked.fit, 3 layer(s), 640x496 pixels
17:07:28: Execution time: 72.55 ms.
    
```



Command line

Type "help" for the list of supported commands

Rejection stacking complete.

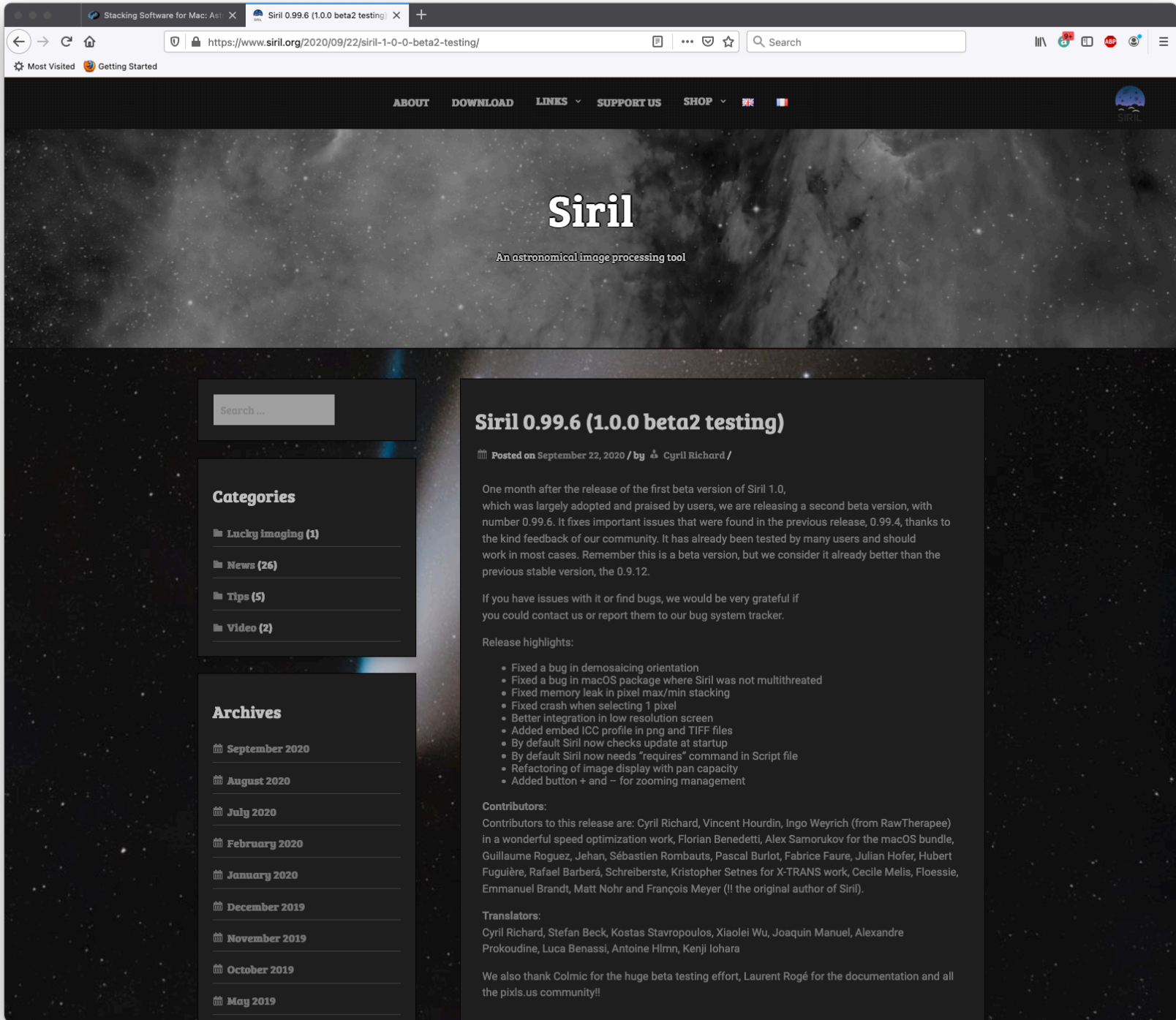
ONLY FOR VISUALISATION

Current working sequence: ISS-09\_, 2 images selected

cut |  Min/Max | 317  
 |  MIPS-LO/Hi | 0  
 |  User | Linear







# Siril

An astronomical image processing tool

Search ...

## Categories

- Lucky imaging (1)
- News (26)
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- Video (2)

## Archives

- September 2020
- August 2020
- July 2020
- February 2020
- January 2020
- December 2019
- November 2019
- October 2019
- May 2019

## Siril 0.99.6 (1.0.0 beta2 testing)

Posted on September 22, 2020 / by Cyril Richard /

One month after the release of the first beta version of Siril 1.0, which was largely adopted and praised by users, we are releasing a second beta version, with number 0.99.6. It fixes important issues that were found in the previous release, 0.99.4, thanks to the kind feedback of our community. It has already been tested by many users and should work in most cases. Remember this is a beta version, but we consider it already better than the previous stable version, the 0.9.12.

If you have issues with it or find bugs, we would be very grateful if you could contact us or report them to our bug system tracker.

Release highlights:

- Fixed a bug in demosaicing orientation
- Fixed a bug in macOS package where Siril was not multithreaded
- Fixed memory leak in pixel max/min stacking
- Fixed crash when selecting 1 pixel
- Better integration in low resolution screen
- Added embed ICC profile in png and TIFF files
- By default Siril now checks update at startup
- By default Siril now needs "requires" command in Script file
- Refactoring of image display with pan capacity
- Added button + and - for zooming management

Contributors:

Contributors to this release are: Cyril Richard, Vincent Hourdin, Ingo Weyrich (from RawTherapee) in a wonderful speed optimization work, Florian Benedetti, Alex Samorukov for the macOS bundle, Guillaume Roguez, Jehan, Sébastien Rombauts, Pascal Burlot, Fabrice Faure, Julian Hofer, Hubert Fuguère, Rafael Barberá, Schreiberste, Kristopher Setnes for X-TRANS work, Cecile Melis, Floessie, Emmanuel Brandt, Matt Nohr and François Meyer (!! the original author of Siril).

Translators:

Cyril Richard, Stefan Beck, Kostas Stavropoulos, Xiaolei Wu, Joaquin Manuel, Alexandre Prokoudine, Luca Benassi, Antoine Hilmn, Kenji Iohara

We also thank Colmic for the huge beta testing effort, Laurent Rogé for the documentation and all the pixls.us community!!

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20<sup>th</sup>  
Anniversary!



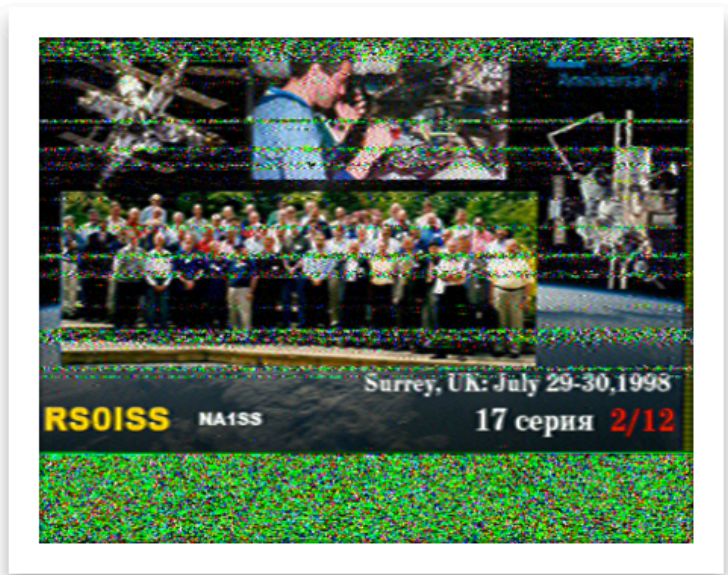
Harrogate - First ARISS Contact with UK

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17 серня **8/12**





Hist100.bmp



Hist103.bmp



