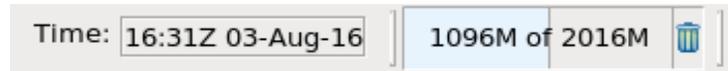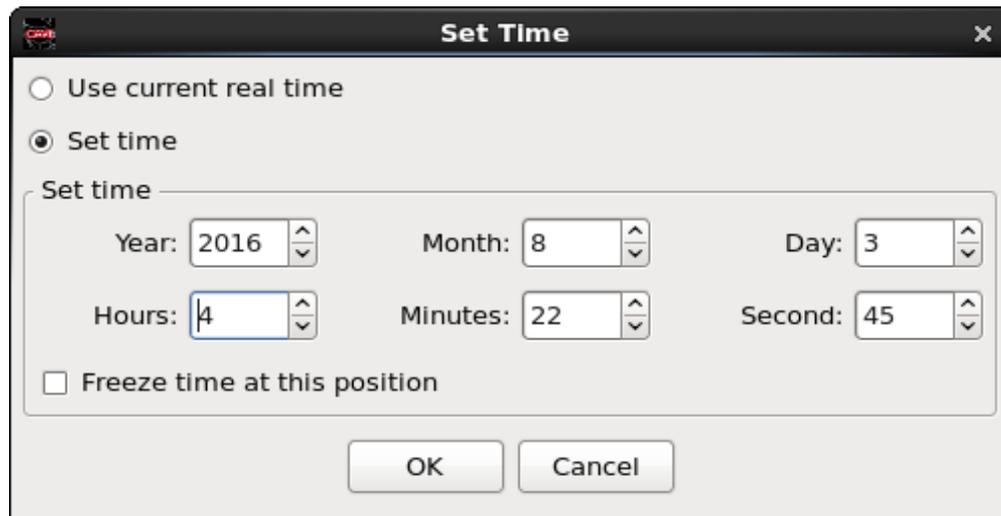# Satellite Combination Daylight Transition Jobsheet

1. **Double-click** on the **CAVE clock** at the bottom of the editor display.

Time: 16:31Z 03-Aug-16 | 1096M of 2016M 🗑

2. Select "**Set time**" and "**Freeze time at this position**". Then **set the time** to about 3 hours after local sunset, and click **OK**.

Set Time ✕

○ Use current real time

◉ Set time

Set time
   Year: 2016   Month: 8   Day: 3
   Hours: 4   Minutes: 22   Second: 45
   ☐ Freeze time at this position

OK   Cancel

3. Set the **map scale** to **CONUS** and set the **frame count** to **64**.
4. From the **Satellite** pulldown menu**,** select **IR Window**.

| Satellite	koax tmsp ktlx tjua Radar MRN

IR Window	17.0445
Water Vapor	17.0445
Visible	17.0345
3.9u	17.0445
13u	17.0445
11u-3.9u	17.0445
11u-13u	--.----
WV/IR	17.0445
4 panel (GOES M-Q)	17.0445

5. **Left click** on the **Toggle Image Combination button**.

6. From the **Satellite** pulldown menu, select **Visible**.

| Satellite	koax	tmsp	ktlx	tjua	Radar	MRN		

IR Window						17.0445		
Water Vapor						17.0445		
Visible						17.0345		
3.9u						17.0445		
13u						17.0445		
11u-3.9u						17.0445		
11u-13u						--.----		
WV/IR						17.0445		
4 panel (GOES M-Q)						17.0445		

7. **Right click and hold** the **"+" sign** between the two products in the product legend and select **Daylight Transition.**
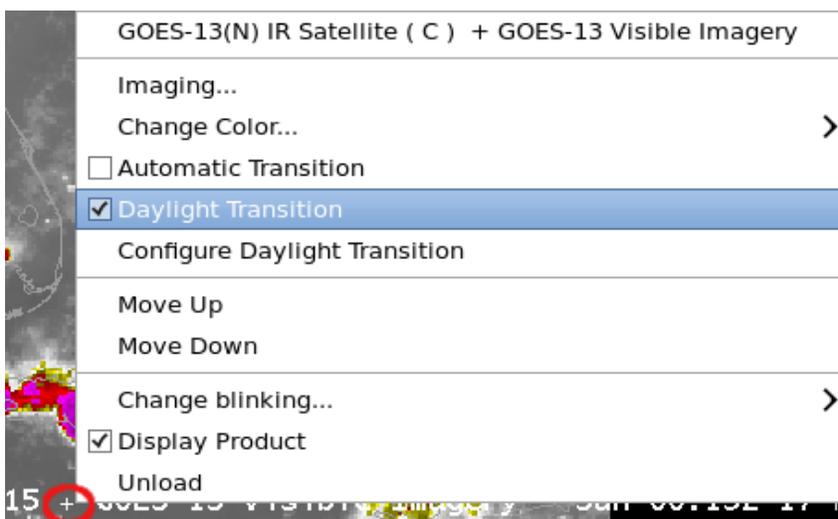
8. The **Daylight Transition** option progressively fills in the dark visible satellite imagery with IR imagery around sunset across multiple frames.
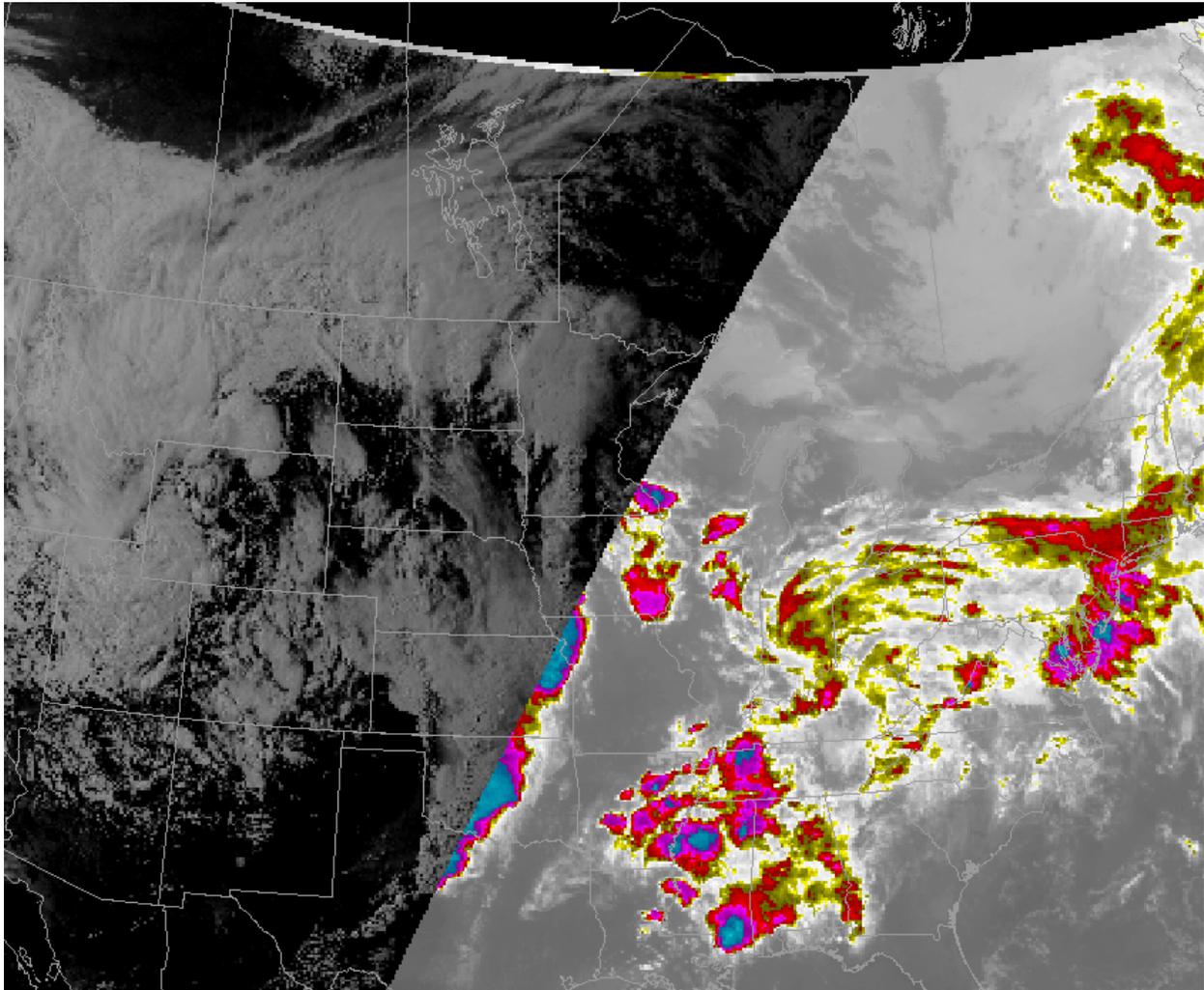
9. The user may configure the amount of time (in minutes) after sunrise and before sunset to mask the data under the **Configure Daylight Transition** menu. For example with sunset, a setting of zero will transition visible to IR right at local sunset, while a value of 75 will transition to IR 75 minutes before local sunset.

The amount of time after sunrise and before sunset to mask the data.
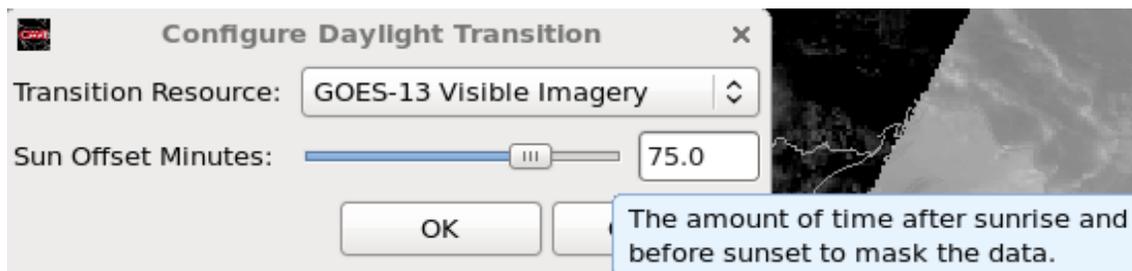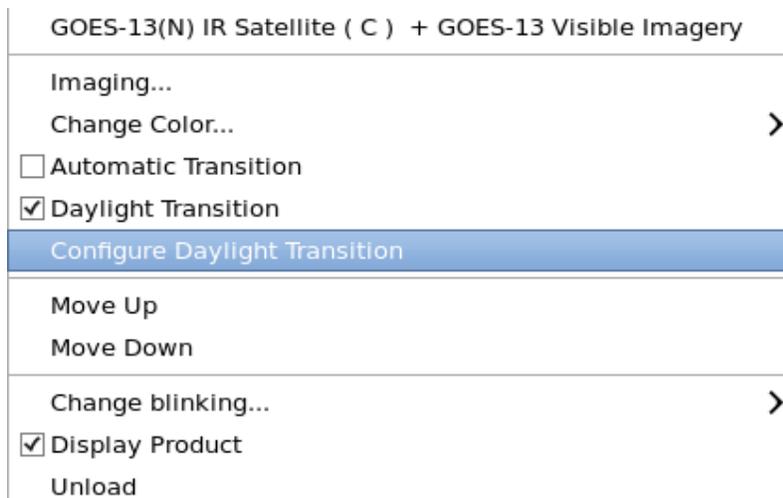
10. Another option is the **Automatic Transition**. When selected, it forces the **entire domain** to switch from visible to IR during sunset and from IR to visible during sunrise. The changeover is dependent on your local sunset which will be **localization** dependent.