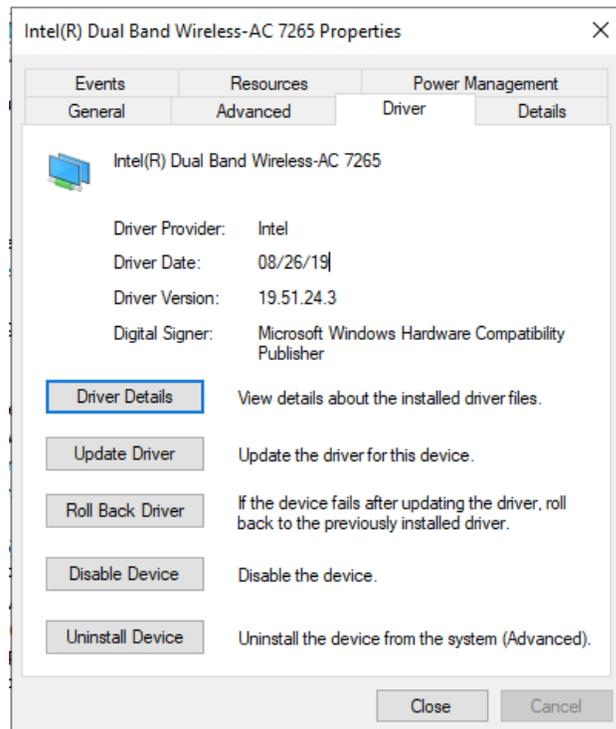


These updates should be done from a console since WiFi connectivity will be affected. We will need to do three main things to restore WiFi to the EAGLE2 Pro after updating windows. Those three things are:

1. Updating the WiFi driver to the current version.
2. Updating the EAGLE Manager from version 2 to version 3
3. Creating a Task to automatically launch the EAGLE Manager at login.

1. Updating the Wifi Driver using Device Manager:

1. Launch the Device Manager, and navigate to “Network Adapters”
 2. Find the Intel(R) Dual-Band wireless adapter and double-click on it.
 3. Click on the “Driver” tab
 4. Click on “Update Driver”
 5. Select “Search automatically for updated driver software” - Your EAGLE should find the latest version on the internet.
- The version downloaded as of 1/29/2020 (19.51.24.3) is listed below:



2. Updating the EAGLE Manager:

Next, we will now upgrade the EAGLE Manager 2 software to EAGLE Manager 3. Download the latest EAGLE Manager software at the following URL:

<https://www.primalucelab.com/astrophysics/downloads>

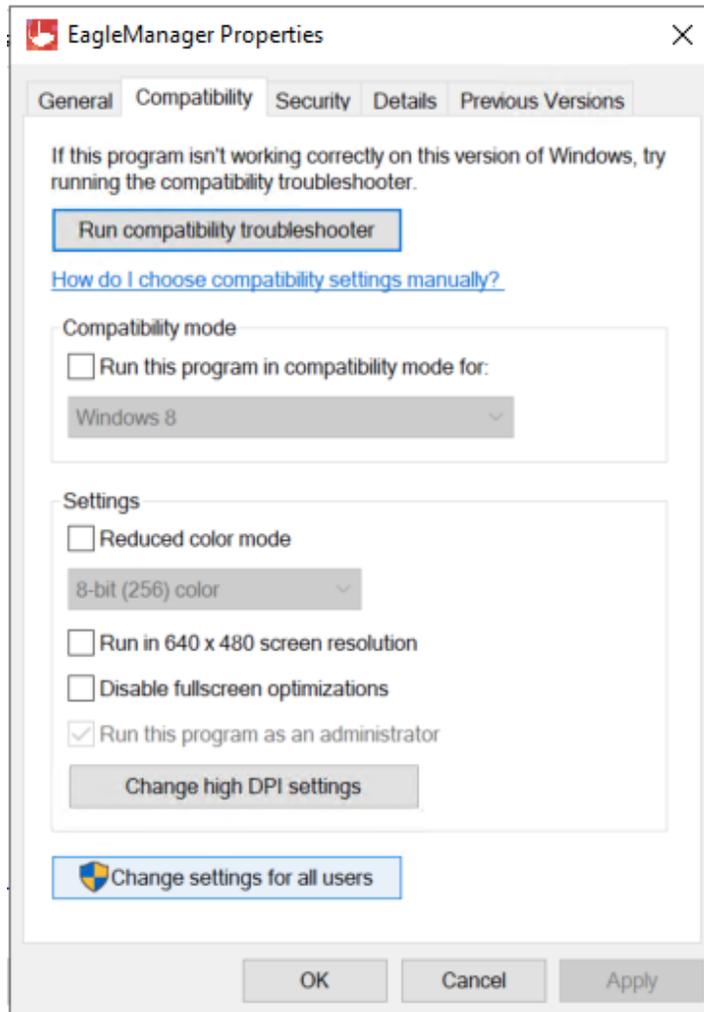
To install the EAGLE Manager software, follow the instructions located in the EAGLE-Manager-update document located in the download. The download will get versions for both the EAGLE 2 and EAGLE 3. We will need the binary for the EAGLE 3 going forward. You will quit the previous EAGLE Manager application, move it aside or replace the application with the new version 3.

EN: Thank you for downloading the EAGLE Manager update.

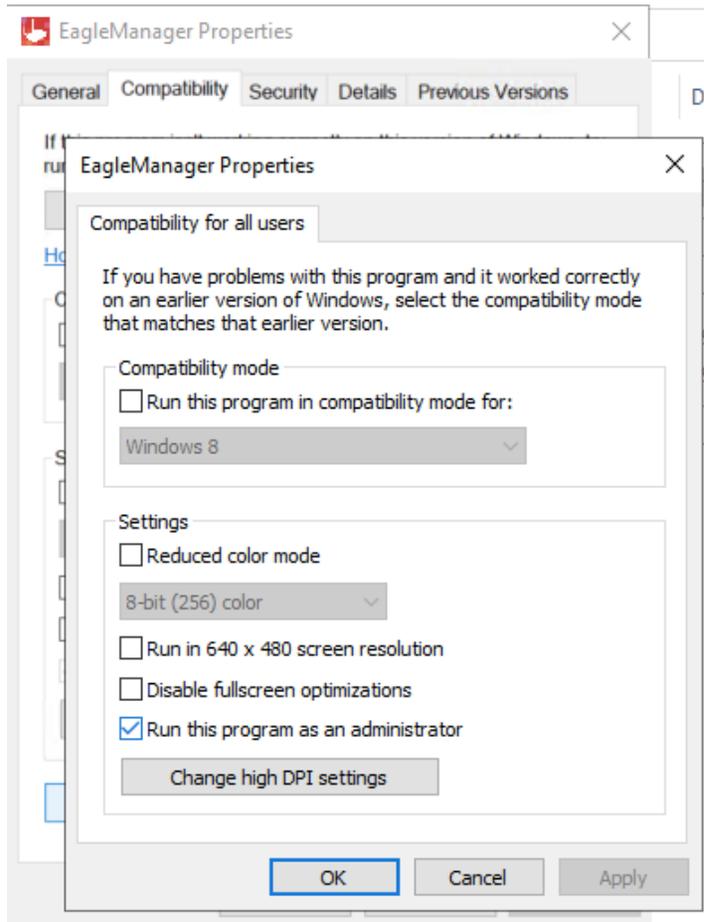
In order to install, please start your EAGLE and, after Windows boot, exit from the EAGLE Manager software (just pressing the X button on the top right). Then copy the EagleManager.exe file you just downloaded to c:\primalucelab directory of your EAGLE and overwrite the old version. Then reboot your EAGLE to update EAGLE Manager.

After copying the new EAGLE Manager for EAGLE3 to C:\primalucelab, right click on it, and go to properties. Under properties, go to the "compatibility" tab

Click on “Change settings for all users” like in the following example:



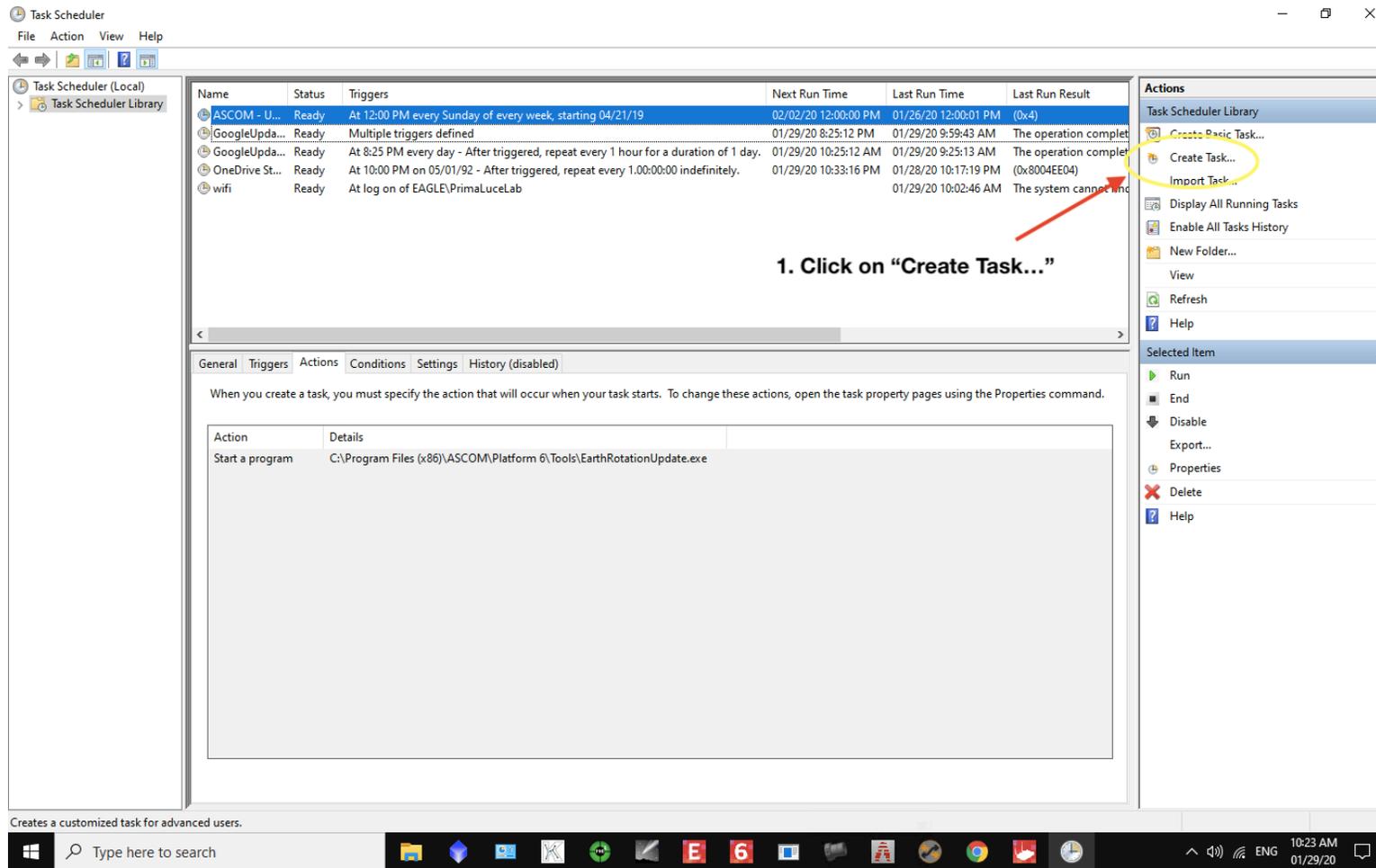
Click on “Run this program as an administrator” and click “OK” and click “OK” again to close the properties window.



NOTE: After Installing the new EAGLE Manager, the app will create new C:\primalucelab\EagleManager and C:\primalucelab\EagleManager_master config files with default settings. You will need to reconfigure your Wifi settings using the GUI or modifying these files using NotePad after the update. The config files for the previous EAGLE2 Manager are not used.

3. Create a Task to launch EAGLE Manager automatically:

To create the startup task item, follow the steps in the screen shots below...





Task Scheduler (Local)
Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
EAGLE Mana...	Ready	At log on of any user		01/29/20 10:29:33 AM	The requested operation r
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 10:26:30 AM	The operation completed
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 11:25:12 AM	01/29/20 10:25:13 AM	The operation completed
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 11:14:27 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on of EAGLE\PrimaLuceLab		01/29/20 10:29:33 AM	The system cannot find th

Actions

- Task Scheduler Library
- Create Basic Task...
- Create Task...
- Import Task...
- Display All Running Tasks
- Enable All Tasks History
- New Folder...
- View
- Refresh
- Help
- Selected Item
- Run
- End
- Disable
- Export...
- Properties
- Delete
- Help

EAGLE Manager Properties (Local Computer)

General Triggers Actions Conditions Settings History (disabled)

Name: EAGLE Manager **2. Give it a name**

Location: \

Author: EAGLE\PrimaLuceLab

Description: Automatically Launch EAGLE Manager at login **3. Give it a description**

Security options

When running the task, use the following user account:
EAGLE\PrimaLuceLab

Run only when user is logged on **4. Select these two options**

Run whether user is logged on or not

Do not store password. The task will only have access to local computer resources.

Run with highest privileges

Hidden

Configure for: Windows 10 **5. Configure for Windows 10**

OK Cancel



Task Scheduler (Local)
Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	The operation complet
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on			The system cannot find

Create Task

General Triggers Actions Conditions Settings

When you create a task, you can specify the conditions that will trigger the task.

Trigger	Details	Status
---------	---------	--------

When you create a task, you must sp

Action	Details
Start a program	C:\Program F

6. Under the "Triggers" tab Click on "New..."

New... Edit... Delete

OK Cancel

- Actions**
- Task Scheduler Library
 - Create Basic Task...
 - Create Task...
 - Import Task...
 - Display All Running Tasks
 - Enable All Tasks History
 - New Folder...
 - View
 - Refresh
 - Help
 - Selected Item
 - Run
 - End
 - Disable
 - Export...
 - Properties
 - Delete
 - Help

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	(0x8004EE04)
OneDrive St...	Ready	At 10:00 PM			The system cannot find
wifi	Ready	At log on			

New Trigger

Begin the task: **At log on**

Settings

Any user

Specific user: EAGLEPrimaLuceLab

Advanced settings

Delay task for: 15 minutes

Repeat task every: 1 hour for a duration of: 1 day

Stop all running tasks at end of repetition duration

Stop task if it runs longer than: 3 days

Activate: 01/29/20 10:24:37 AM

Expire: 01/29/21 10:24:37 AM

Enabled

OK Cancel

7. Select "At log on"

8. Select "Any user"

(Enabled should be checked by default)

Actions

Task Scheduler Library

- Create Basic Task...
- Create Task...
- Import Task...
- Display All Running Tasks
- Enable All Tasks History
- New Folder...
- View
- Refresh
- Help

Selected Item

- Run
- End
- Disable
- Export...
- Properties
- Delete
- Help



Task Scheduler (Local)
Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	The operation complet
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on			The system cannot find

Create Task

General Triggers **Actions** Conditions Settings

When you create a task, you must specify the action that will occur when your task starts.

Action	Details
Start a program	C:\Program F

9. Under "Actions" click "New..."

New... Edit... Delete

OK Cancel

Actions

Task Scheduler Library

- Create Basic Task...
- Create Task...
- Import Task...
- Display All Running Tasks
- Enable All Tasks History
- New Folder...
- View
- Refresh
- Help

Selected Item

- Run
- End
- Disable
- Export...
- Properties
- Delete
- Help

Task Scheduler

File Action View Help

Task Scheduler (Local)

Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
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OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on			The system cannot find

Create Task

New Action

You must specify what action this task will perform.

10. Select "Start a program"

Action: Start a program

Settings

Program/script:

Browse...

Add arguments (optional):

Start in (optional):

11. Select "Browse..."

OK Cancel Cancel

Task Scheduler Library

Create Basic Task...

Create Task...

Import Task...

Display All Running Tasks

Enable All Tasks History

New Folder...

View

Refresh

Help

Selected Item

Run

End

Disable

Export...

Properties

Delete

Help

Task Scheduler

File Action View Help

Task Scheduler (Local)

Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
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wifi	Ready	At log on			The system cannot find

Create Task

New Action

Open

Local Disk (C:) > primalucelab

Search primalucelab

Name	Date modified	Type	Size
Archive	01/28/20 10:26 PM	File folder	
EagleManager	01/28/20 9:07 PM	Application	
EagleManager	01/29/20 9:59 AM	Configuration sett...	
EagleManager_master	01/28/20 9:09 PM	Configuration sett...	
msvcp140.dll	01/29/20 9:59 AM	Application exten...	
TitilliumWeb-Bold	09/05/17 8:55 AM	TrueType font file	
TitilliumWeb-Regular	09/05/17 8:55 AM	TrueType font file	
vcruntime140.dll	01/29/20 9:59 AM	Application exten...	
WiFiDirectAP	01/29/20 9:59 AM	Application	

File name: EagleManager

All files (*.*)

Open Cancel

12. Navigate to C:\primalucelab\EagleManager and click "open"

13. Your New Action window should look like this. Click OK.

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	The operation complet
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on			The system cannot find

Actions

- Task Scheduler Library
- Create Basic Task...
- Create Task...
- Import Task...
- Display All Running Tasks
- Enable All Tasks History
- New Folder...
- View
- Refresh
- Help
- Selected Item
- Run
- End
- Disable
- Export...
- Properties
- Delete
- Help



Task Scheduler (Local)
Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
GoogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	The operation complet
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on			The system cannot find

Create Task

General Triggers Actions Conditions Settings

Specify additional settings that affect the behavior of the task.

Allow task to be run on demand

Run task as soon as possible after a scheduled start is missed

If the task fails, restart every: 1 minute

Attempt to restart up to: 3 times

Stop the task if it runs longer than: 3 days

If the running task does not end when requested, force it to stop

If the task is not scheduled to run again, delete it after: 30 days

If the task is already running, then the following rule applies:

Do not start a new instance

OK Cancel

15. Check only the first 3 boxes. Click "OK"

- Actions**
- Task Scheduler Library
 - Create Basic Task...
 - Create Task...
 - Import Task...
 - Display All Running Tasks
 - Enable All Tasks History
 - New Folder...
 - View
 - Refresh
 - Help
 - Selected Item
 - Run
 - End
 - Disable
 - Export...
 - Properties
 - Delete
 - Help

Task Scheduler

File Action View Help

Options...

Exit

Task Scheduler Library

Name	Status	Triggers	Next Run Time	Last Run Time	Last Run Result
ASCOM - U...	Ready	At 12:00 PM every Sunday of every week, starting 04/21/19	02/02/20 12:00:00 PM	01/26/20 12:00:01 PM	(0x4)
EAGLE Mana...	Ready	At log on of any user		11/30/99 12:00:00 AM	The task has not yet ru
oogleUpda...	Ready	Multiple triggers defined	01/29/20 8:25:12 PM	01/29/20 9:59:43 AM	The operation complet
GoogleUpda...	Ready	At 8:25 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	01/29/20 10:25:12 AM	01/29/20 9:25:13 AM	The operation complet
OneDrive St...	Ready	At 10:00 PM on 05/01/92 - After triggered, repeat every 1.00:00:00 indefinitely.	01/29/20 10:33:16 PM	01/28/20 10:17:19 PM	(0x8004EE04)
wifi	Ready	At log on of EAGLE\PrimaLuceLab		01/29/20 10:02:46 AM	The system cannot find

15. You should now have a task listed here. You can now reboot your EAGLE to confirm the EAGLE manager starts properly

General Triggers Actions Conditions Settings History (disabled)

When you create a task, you must specify the action that will occur when your task starts. To change these actions, open the task property pages using the Properties command.

Action	Details
Start a program	C:\primaluce\lab\EagleManager.exe

Task Scheduler Library

Create Basic Task...

Create Task...

Import Task...

Display All Running Tasks

Enable All Tasks History

New Folder...

View

Refresh

Help

Selected Item

Run

End

Disable

Export...

Properties

Delete

Help

Quits the program and prompts to save documents.

Windows taskbar with search bar, task icons, and system tray.

Search: Type here to search

Taskbar icons: File Explorer, Settings, Microsoft Edge, Google Chrome, etc.

System tray: Network, Volume, Date/Time (10:25 AM 01/29/20)