



The Royal Astronomical Society of Canada

# Windsor Centre



[www.rascwindsor.com](http://www.rascwindsor.com)

[www.facebook.com/groups/rascwindsor](https://www.facebook.com/groups/rascwindsor)

# Welcome to RASC

- *Founded in 1868, the Royal Astronomical Society of Canada (RASC) is Canada's leading astronomy organization with 4,000+ enthusiastic amateur, educator and professional members.*
- *We are the largest, most active astronomy group in Canada.*





# RASC Vision & Mission

- **Vision:** *To inspire curiosity in all Canadians about the universe, to share scientific knowledge, and to foster collaboration in astronomical pursuits.*
- **Mission:** *To encourage improved understanding of astronomy for all people, through education, outreach, research, publication, partnership, enjoyment and community.*
- *Dedicated to the advancement of astronomy and Allied Sciences.*

# RASC Light-Pollution Abatement

- **Mission Statement**
- In 1991, the Royal Astronomical Society of Canada established its Light-Pollution Abatement Committee to support measures to reduce Light Pollution.
- Our mission is to work for social and legislative changes which will result in better, more responsible lighting practices in Canada, and the preservation of the nighttime environment for all to enjoy.
- This is accomplished by:
  - raising public and government awareness of the problem of light pollution,
  - forming or joining alliances with like-minded groups and organizations, and
  - making representations to governmental bodies.

Point Pelee was designated as a Dark Sky Preserve (DSP) by the Windsor Centre of the Royal Astronomical Society of Canada in 2006.

What does it mean to be a Dark Sky Preserve?

Point Pelee National Park Dark Sky Preserve

is one of the best places to explore the night sky in Canada.

One can think of a dark sky preserve as an astronomy park where the night sky glows with millions of stars visible to the naked eye.

Point Pelee attracts many visitors to the area and is an intrigal part of the economic fabric of the area.

As a DSP, Point Pelee National Park is committed to protecting the night-time environment from the effects of artificial lighting. Educating visitors about the ecological and cultural importance of dark skies are key elements of the DSP program. Protecting the dark sky of Pelee will benefit stargazers as well as wildlife. Many plants, animals and insects rely on the darkness of the night to forage, breed and navigate. These activities are adversely affected by light pollution.



# The RASC Windsor Centre



- *The RASC and its 29 Centres across Canada offer both national and local programming and services.*
- *The Windsor Centre was established in 1945*
- *This is our 75 th Anniversary*
- *We are a growing Centre with 100 members.*

# Hallam Observatory established 2002

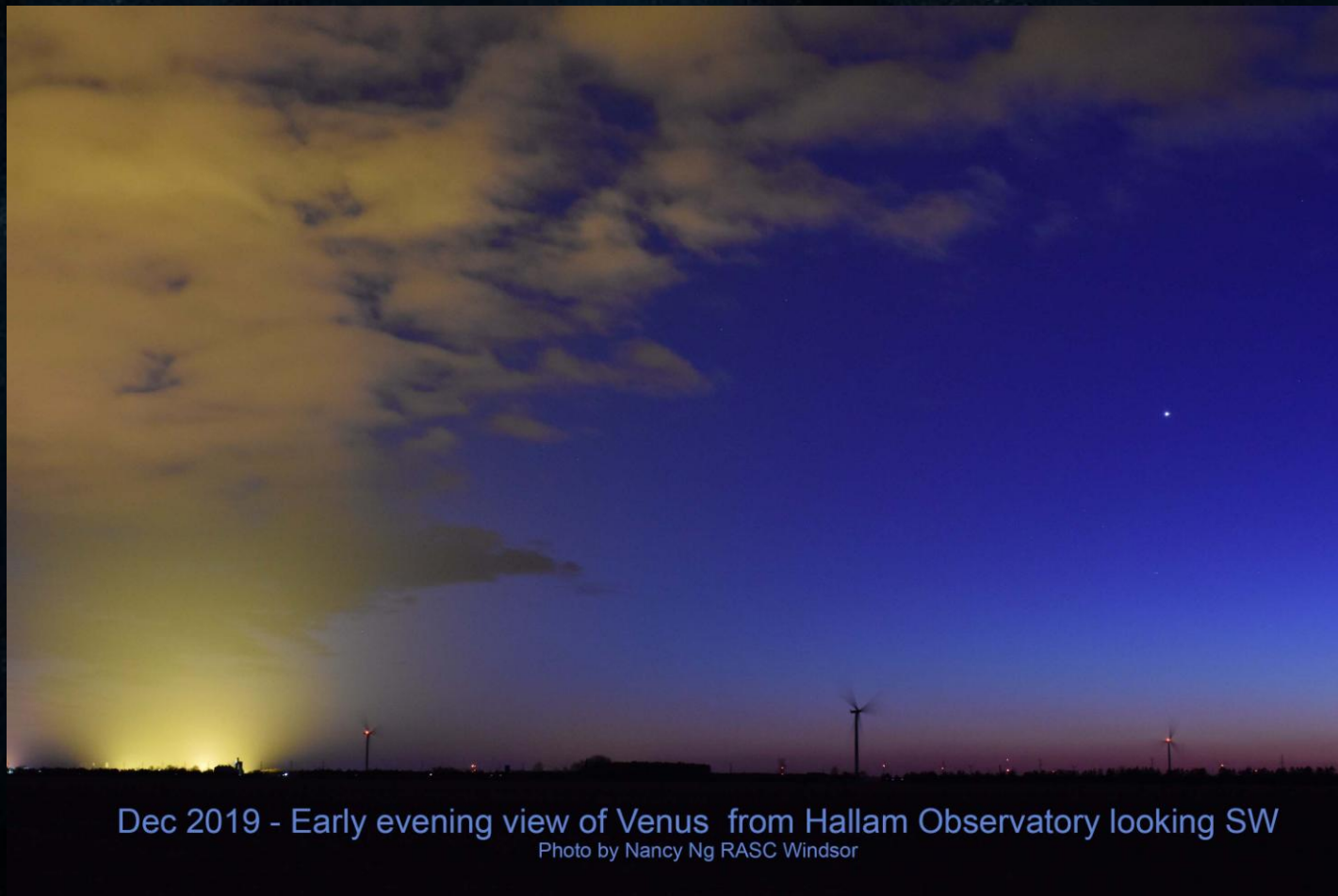
The Hallam Observatory is located at 3989 South Middle Road near Comber ON (Lat. N42d 12.411m, Long. W82d 34.614m)

The site has a 10' motorized dome, a Celestron C14 SCT, AT111 refractor telescope and guidescope mounted on a Software Bisque Paramount. Research Grade equipment.

We have monthly viewing sessions for groups, Cubs and Scouts and private individuals



## Recent views from Hallam Observatory



Dec 2019 - Early evening view of Venus from Hallam Observatory looking SW

Photo by Nancy Ng RASC Windsor



# Recent views from Hallam Observatory



Hallam Observatory Looking SSW  
Towards Kingsville

Red Car Tailights Lit the Observatory

## Recent views from Hallam Observatory

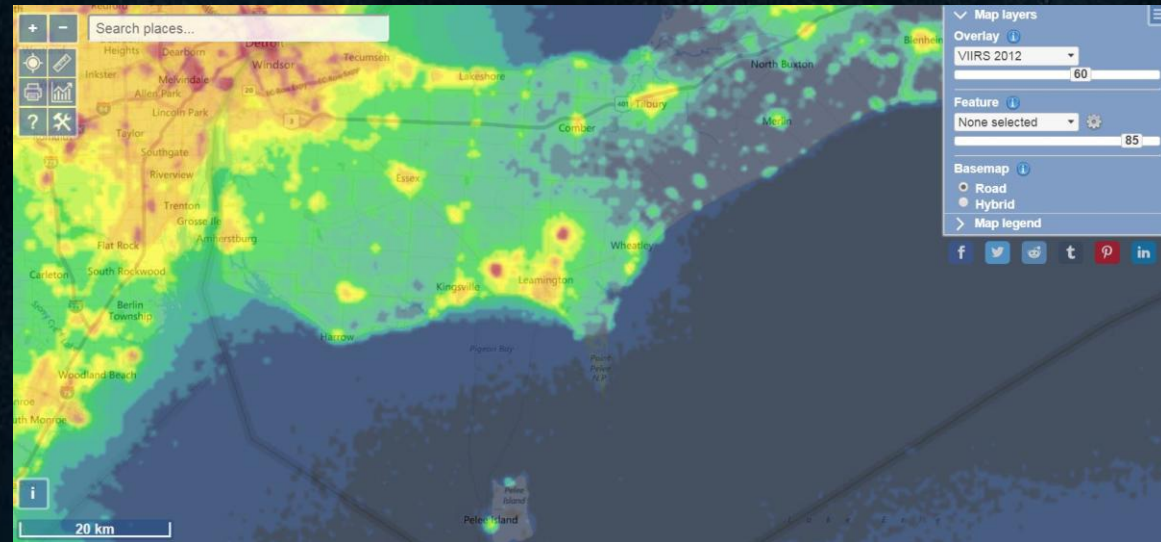


Looking South from Hallam Observatory

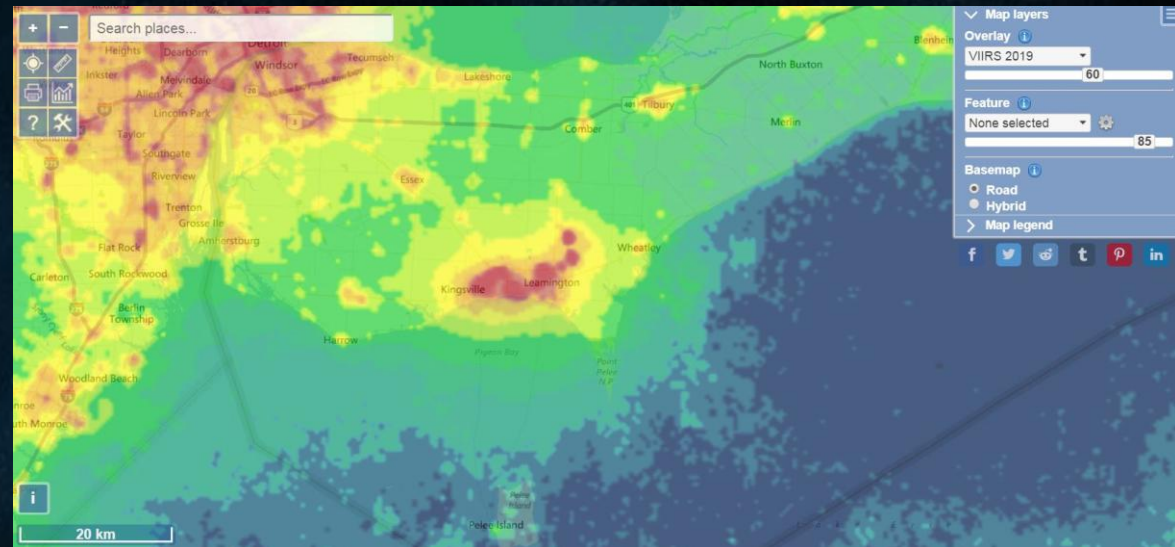


# Expansion of Light Pollution in and around Essex County

2012



2019



Maps courtesy of

<https://www.lightpollutionmap.info/>



# Thank you!

Mahayarrahh-Starr Livingstone

Director of Public Education  
and  
Light Pollution Abatement  
RASC Windsor



For more information email: [contactus@rascwindsor.com](mailto:contactus@rascwindsor.com)