

FREE Educational and fun activities to be held BEFORE, DURING and AFTER the actual solar eclipse.

Come out and share ECLIPSE DAY 2008 with Cambridge Bay!

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# ECLIPSE DAY 2008

# SOLAR ECLIPSE

2:53 to 4:15 a.m.

Early Friday Morning, August 1, 2008

## BEFORE the ECLIPSE for Children

- Wednesday, July 30: 1:15 to 2:30 p.m.—Luke Novoligak Community Hall

For Adults: Saturday, August 2, 1:00—4:00 p.m. Arctic Coast Visitor Centre

### Meteorites with Murray Paulson

Murray Paulson is from the Edmonton Center Royal Astronomical Society of Canada, and has been interested in astronomy since his discovery of it in elementary school. He was President of the Edmonton center in 1991-1992, and has presented a Binocular Star Walk at the Mt. Kobau Star Party since the early 90s.

Murray became fascinated in meteorites when he first got to hold one in his hands. “I was touching a piece of another planet, an anonymous planet that may have been totally disrupted. A place different than my mother earth.”

Meteorites are the fossil record of the evolution of our solar system, and they have a story to tell us. That story covers more than just the 4.6 billion years since our solar system formed.

Come and listen to that story on Wednesday, July 30<sup>th</sup> compliments of the eclipse chasers. We will have some pieces of the planet Mars and the planetoid Vesta, some Iron meteorites, pallasites, and some stony meteorites. We will also have some Tektite samples from around the world.

## BEFORE for Adults and Children

- Wednesday, July 30: 7:00 to 9:00 p.m.—Luke Novoligak Community Hall

### Pre-Eclipse Briefing

*A total solar eclipse is when the sun is completely covered by the moon.*

Alan Dyer is a planetarium show producer whose programs have played in theatres across Canada, and is co-author with Terence Dickinson of the book The Backyard Astronomer's Guide, soon to be available in a new third edition. He is a contributing editor to SkyNews and Sky and Telescope magazines and can be seen and heard frequently on local and national TV and radio explaining astronomy and space science news.

Alan is a long-time eclipse chaser, having now traveled to 10 total solar eclipses to places such as Australia, Chile, Turkey, Zimbabwe, Libya, the South Pacific and in the air over Antarctica. However, this will be only his second total eclipse seen from Canada, the first being the eclipse of February 26, 1979 in Manitoba where he grew up. Alan lives near Calgary. Asteroid 78434 is named for him.

**Free solar eclipse viewing glasses to be given out to the entire community!**



## BEFORE for Adults and Children

- Thursday, July 31: 9:00 a.m. to 8:00 p.m.—Arctic Coast Visitor Centre

Come and pick up your FREE solar eclipse personal viewing glasses anytime during the day. We also have solar filters for cameras, telescopes and binoculars.

All items are available FREE of charge compliments of the HAMLET OF CAMBRIDGE BAY.

**For more details and maps check out:**  
**<http://skyriver.ca/eclipse.htm>**

## BEFORE AND DURING actual Eclipse for Adults and Children

Thursday Evening, Friday Morning—Midnight to 2:00 a.m.—Arctic Coast Visitor Centre

### Car Pooling to Mount Pelly

Are you driving out to Mount Pelly to view the Eclipse? Do you have extra room to bring out other people? If you are driving out and have room inside or in the back of your truck, please stop at the Visitor Centre and pick up people who need a ride.

Do you need a ride to Mount Pelly? Come to the Visitor Centre between midnight and 2:00 a.m. and we will try to hook you up with a ride. Dress warm in case you need to ride in the back of a pick up.

Stop at the Centre on your way out of town for free viewing sunglasses. We'll be open from Midnight to 2:00 a.m. Last truck leaving at 2:00 a.m.

Start watching the eclipse at sunrise—2:53 a.m.—you will see a partial eclipse while it is rising.

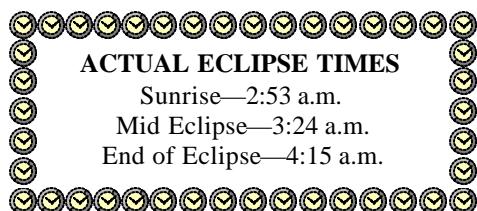
Mid eclipse at 3:24 a.m. and it will continue on until about 4:15 a.m. local

### WHY MOUNT PELLY?

From Mt. Pelly you will see a partial eclipse—99.95%. Go 3km S.E. of Mt. Pelly to Long Lake for full eclipse!

Unless you are in the track of totality, the best view will be from the top of Mount Pelly as it is the highest point closest to the eclipse track (see map to the right).

You may be able to view the eclipse from town so long as it isn't cloudy or foggy, but the higher you are and the closer you are to the track of totality the better your view will be.

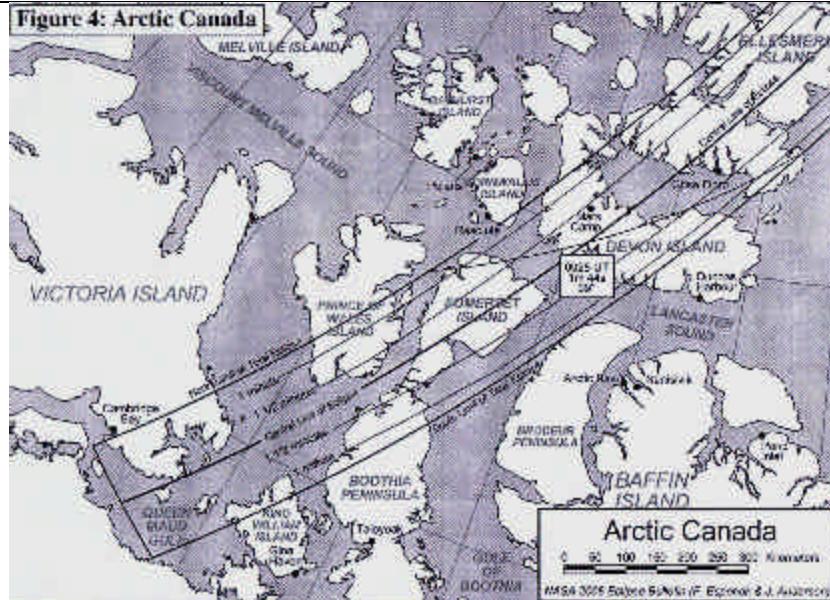


#### ACTUAL ECLIPSE TIMES

Sunrise—2:53 a.m.

Mid Eclipse—3:24 a.m.

End of Eclipse—4:15 a.m.



## AFTER for Adults and Children

• Friday, August 1—7:00 to 11:00 p.m.—Luke Novoligak Community Hall

### Eclipse Family Fun Night

Celebration and Dance—“Total Eclipse of the Heart” theme

The whole family is invited to the community hall to share and discuss the eclipse. The *Totality on the Tundra* group will share their experience from the track of totality!

Following the sharing, there will be an evening of dancing and prizes. The charge for the dance is \$2 per adult (children free) OR you can bring a donation of non-perishable food items. All proceeds will go to the Cambridge Bay Food Bank.

Bring your favorite music and DJ James will be happy to play it for you, along with any requests that you might have. Canteen available—juice, coffee, tea, fruit, snacks, and more!

**SUPPORT CAMBRIDGE BAY FOOD BANK!**



Special thanks go to the following people/organizations without whom these events would not have happened:

Stephen Bedingfield

Alan Dyer

Murray Paulson

*Totality on the Tundra* Group

Anna Aaluk

Bernice Lyall

Trina Hayes

Cathryn Epp

Hamlet of Cambridge Bay

Mayor and Hamlet Council

Arctic Coast Visitor Centre

Vicki Aitaok

Employers...please support these events by providing your staff with available lieu, flex, or annual days the morning of August 1st as it will be a late night for many!