

Charlie Elliott Chapter
of the Atlanta Astronomy Club



CURRENT EVENTS

IN ASTRONOMY AND SPACE EXPLORATION

October 2, 2010

Theo Ramakers

▣ In the last month we did 7 outreach events.

- 2x International Observe the Moon Night
 - 2x Stone Mountain Middle School
 - 2x Harbour Oaks Montessori school of Grayson
 - Morgan County Middle School in Madison
- ▣ And we had a planning session with teachers from Conyer's Memorial Middle School to plan their NASA night.
- ▣ Thanks to Frank Garner, Steve Bieger, Phil Sacco, Art Zorka and Theo Ramakers for their volunteer work.

.... and today we are hosting:

Dale Harrison and her GWA Students

Welcome and we hope you get a chance to:

“Explore the Universe at Charlie Elliott”

▣ For next month we have plans for 9 more events:

- ▣ Oct 5 – Our Lady of the Assumption Catholic Church
Solar and Star Party
- ▣ Oct 13 - Children’s School Group 1 at TODS
Solar and Star Party
- ▣ Oct 15 – Home Schoolers at Fayette Library
- ▣ Oct 20 – Children’s School Group 2 at TODS
Solar and Star Party
- ▣ Oct 27 – Conyer’s Memorial middle School
- ▣ Nov 4 - NASA at Memorial Middle School

So if you can spare a little time come and help us to spark
that little fire in some students with an interest for
Astronomy and Space Exploration

The Peach State Star Gaze starts tomorrow

And goes until next week Sunday.

For Details see the AAC website

Our proposed 2011 meeting schedule is as follows:

January 8, 2011	July 30, 2011
February 5, 2011	August 27, 2011
March 5, 2011	September 24, 2011
April 2, 2011	October 22, 2011
May 7, 2011	November 26, 2011
June 4, 2011	December 17, 2011
July 2, 2011	

Please let us know if you see a conflict

Have you tried to take a look at comet 103P/Hartley 2 ?

It will be visible to the naked eye soon, so there should be no excuse to not see it in your telescope.

- ▣ This month our Astro imagers were busy again
 - ▣ Larry Owens with a Jupiter using the club's 16" Telescope
 - ▣ Jimmy Chew with a Jupiter
 - ▣ And Frank Garner and Theo Ramakers with an image of the ISS transit of the crescent Venus

Jupiter

25 Sept, 2010 @ 04:07 UT

S



RGB

CM1: 68.2 CM2: 17.5 CM3: 224.3
Custom Scientific RGB, PGR Flea3, 16" Newt
Seeing: 4-5/10, Transparency: 5/10

Larry Owens Larry@CEastronomy.org



ISS - Venus Transit

2010-09-25 20:38:04 UT

Stellarvue SV80 with DMK21AU04.AS

Theo Ramakers & Frank Garner, Social Circle -33:41:43 -83:38:35

And other astronomers are setting new standards:

See the detailed images of Damien Peach

Guess which Planet is this?

(1 ½ hour rotation)

URANUS - 600-1000nm Filter.
SEPTEMBER 27th, 2010



02:36 UTC
CML=30.5
Alt: 70°



03:10 UTC
CML=42.3
Alt: 75°



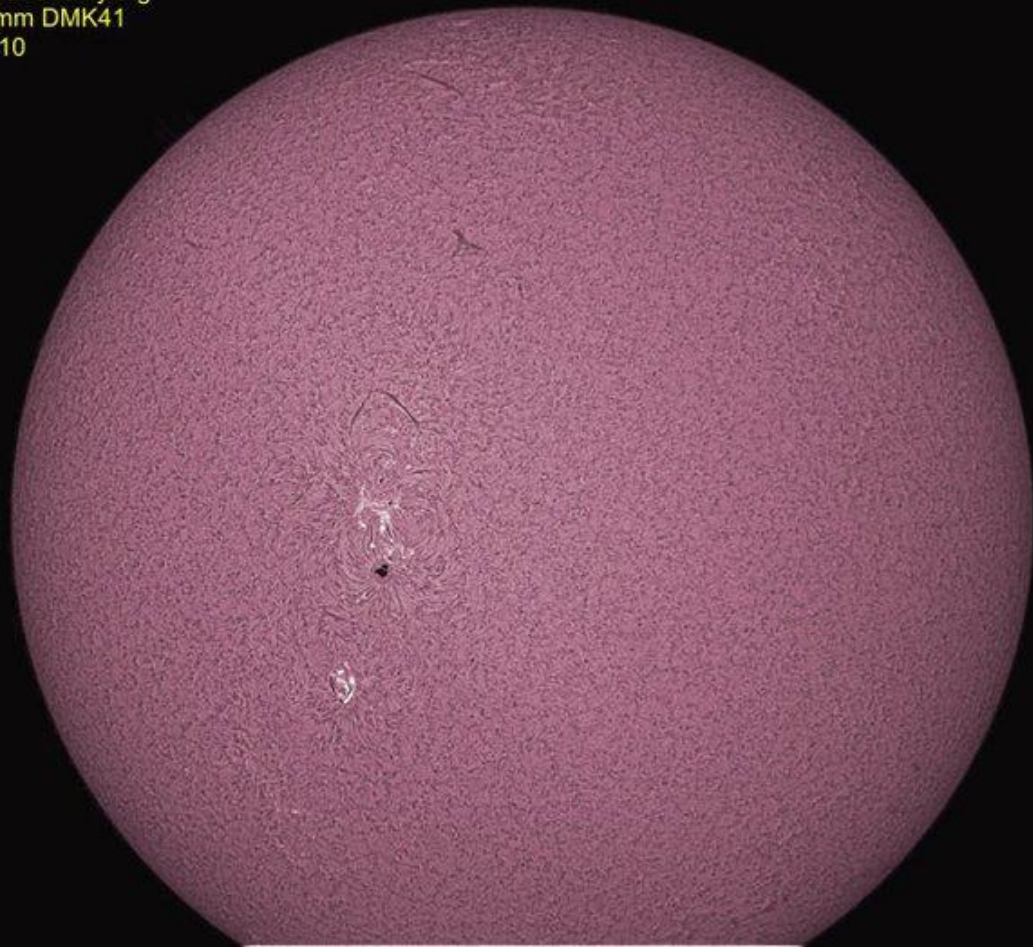
03:51 UTC
CML=56.6
Alt: 75°

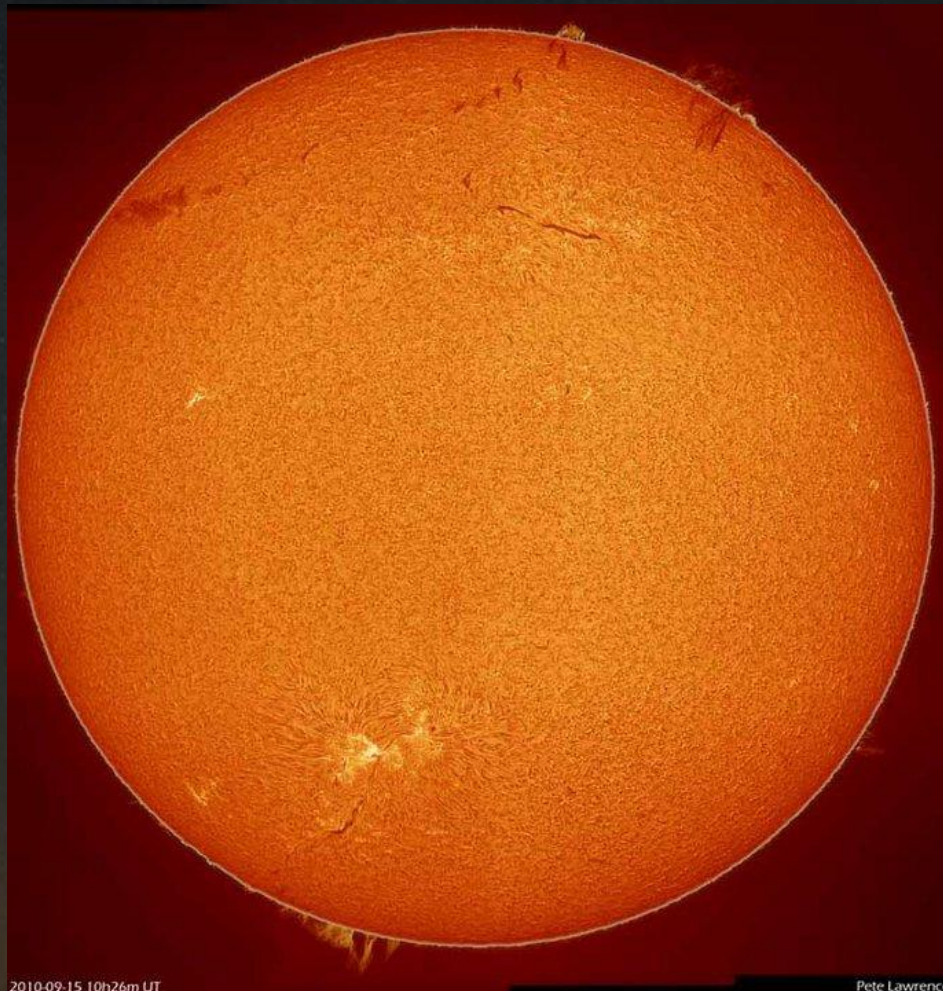
Eq Diam=3.67"

D. Peach

And Stephen Ramsden and Pete Lawrence
made these images of the Sun:

www.solarastronomy.org
Lunt PT60mm DMK41
28 Sept 2010





2010-09-15 10h26m UT

Pete Lawrence

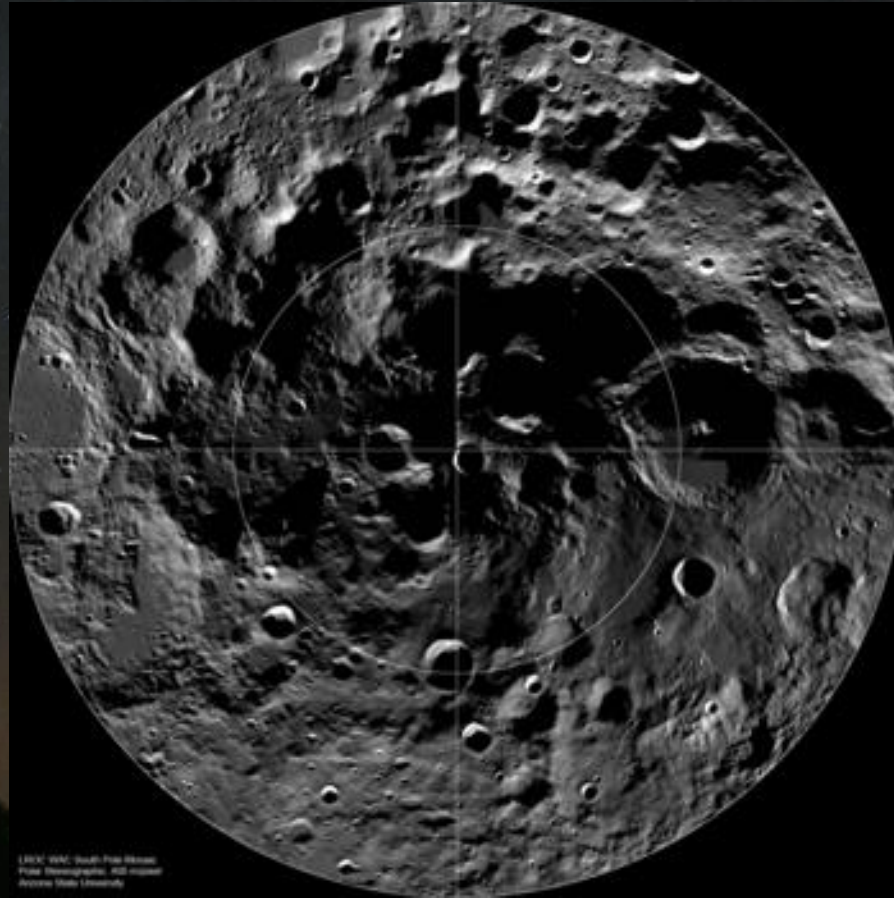
There will be an ISS – Sun transit on Monday
October 4th at 12:45 P.M.

Anyone interested in imaging or observing this
please contact me for further details

In space Exploration some real interesting items were covered during the last month:

Remember our LCROSS project last year?

- ▣ Now LRO released an image of the South Pole of the Moon



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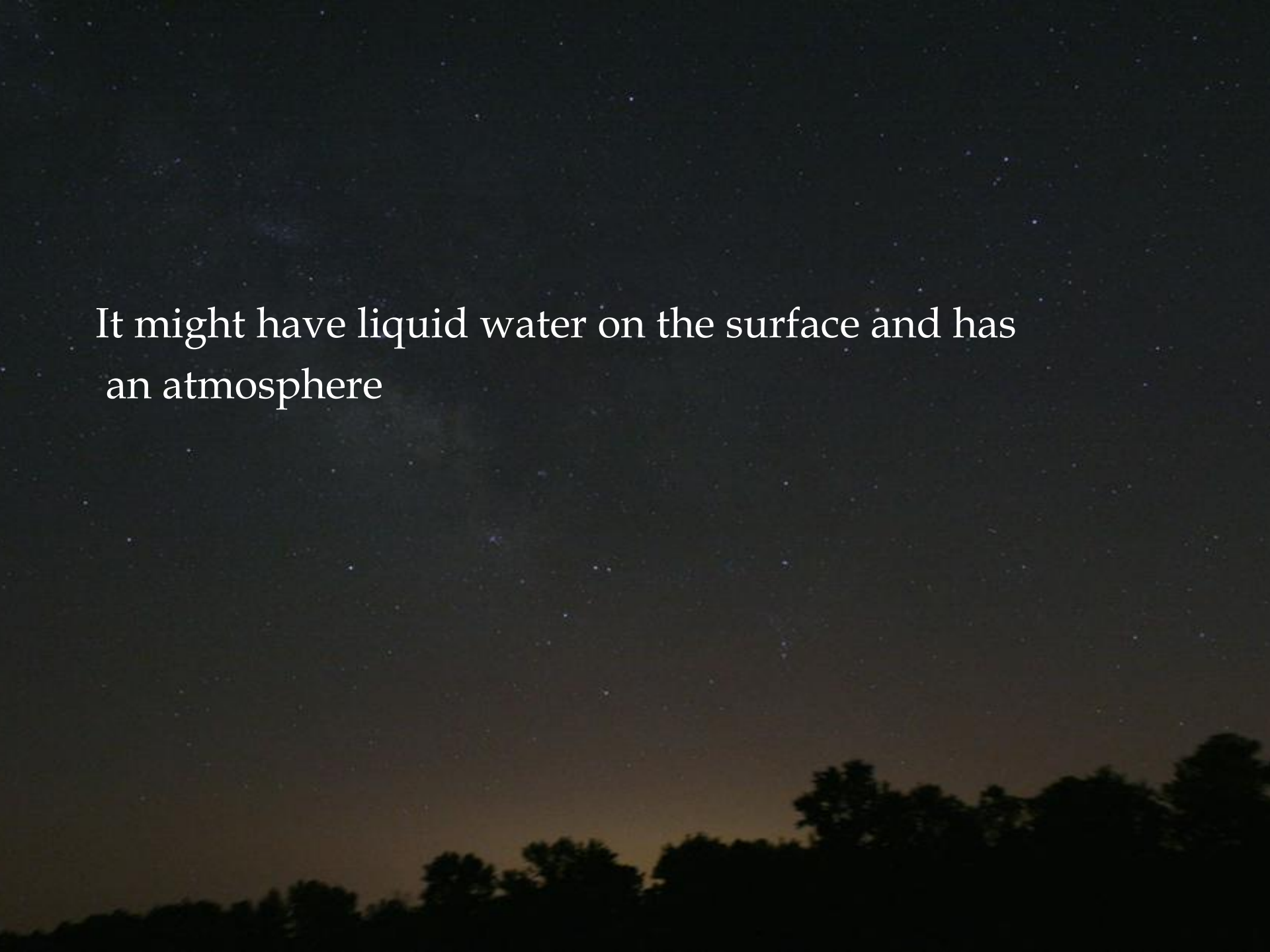
“habitable zone” but rotates like our moon does, one time during a completed orbit.

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It is believed that Gliese 581g has a “habitable zone” but rotates like our moon does, one time during a completed orbit.

The habitable zone lies on the terminator

A dark night sky filled with numerous stars of varying brightness. The stars are scattered across the frame, with some appearing as distinct points of light and others as faint trails. The bottom of the image shows a dark silhouette of a tree line against a slightly lighter, hazy horizon.

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Gliese is 20 ly away and is located in the constellation Libra

And NASA received funding from congress for
an additional Space shuttle mission to the ISS

Talking about Keck 1.....

Stephen Ramsden was in Hawaii last month
Didn't make it to Keck, but something weird
happened.....



Our next meeting is on November 6th at 4.00 P.M.

Feature presentation:

“Something” vs “Nothing”

Phil Sacco

And in December

“Ancient Innovation and Technology”

Rich Jakiel

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Thanks for your attention and....

Clear Skies!!

This was a presentation of

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This was a presentation of



Come and visit us at Charlie Elliott Wildlife Center
Mansfield, Georgia

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