

Celestial Products is online at...

MoonCalendar.com Street Shipping



Checkout and shipping process is handled by Amazon. Don't worry, we hired them to do this. At checkout you will see an offer on how to get Free Shipping through Amazon's Prime membership or taking slower delivery.



Fascinated with Blue Moons? A double occurrence happens in 2018, then not again until 2037.



n January 2, 2018 the moon will be full. The clock keeps ticking, an average lunation cycle of approximately 29.5 days goes by and on January 31 there is another full moon. There is nothing unusual about this cycling through moon phases. Take your pick of when to start and stop to measure the cycle. First quarter to first quarter, new moon to new moon, it is just a simple cycle. But humans look for patterns, and it doesn't escape the eye, that on January's calendar page there are two full moons. We normally have only one per month in the typical month of 30-31 days, but if there is a full moon in those first days, then a second full moon can occur before the end of the month. While not astronomically significant, this second full moon in a month enjoys being named for its "not so frequent" occurrence, a Blue Moon.

If January has a Blue Moon, then the setup for a second Blue Moon in the same year is nearly assured with a February of only 28 days. In 2018, the next full moon after the January 31 is March 1-2. On March 31 the second full moon in March occurs - another Blue Moon, the second one in 2018. This nearly identical setup next happens in 2037. Now you can answer the question: "What is more rare than a Blue Moon?" Answer: a double Blue Moon year.

"Surely, the moon gets the most attention in the sky. It is the chief attraction, the first step to getting humans to understand more about the universe, and ultimately themselves."

Larry Bohlayer
Celestial Products



MyCityMoon ™

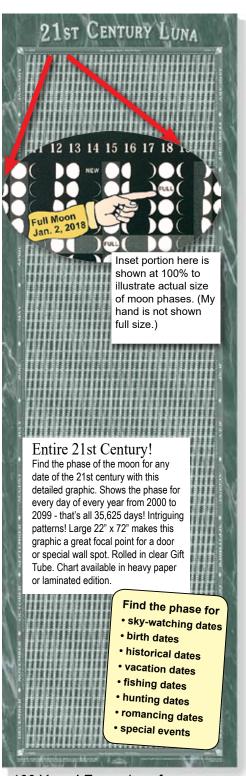
Your City and Moon Calendar Art

MyCityMoon poster calendars bring the charm of your city's skyline to your wall combined with our splendid daily moon calendar grid. Choose from selected cities. The city list will continue growing each year. Event dates and times shown are specific to the city's time zone so there is no need to make time zone conversions. See page 7 for details.









100 Years! Every day of every year from 2000 to 2099

This large laminated chart is 22" x 72" (fits nicely on a door) or keep it stored in its plastic tube for conveniently rolling it out on a table. Lamination allows you to draw on it with erasable markers.

21st Century Luna™

Incredible - all 36,525 moon phases in the 100 year span from 2000 to 2099. If you like looking for patterns in moon phases or are just plain curious about what the moon phase was/will be on a certain date in the 21st Century, then this chart is for you. Great for the classroom or a location where you want to make an astronomical statement.

Rolled in a clear Gift Tube with end caps.



Laminated Editon: Order Item: CENT21-L (\$26.95)

Paper Editon: Order Item: CENT21-P (\$20.95) (Note: paper edition not available online - call to order.)

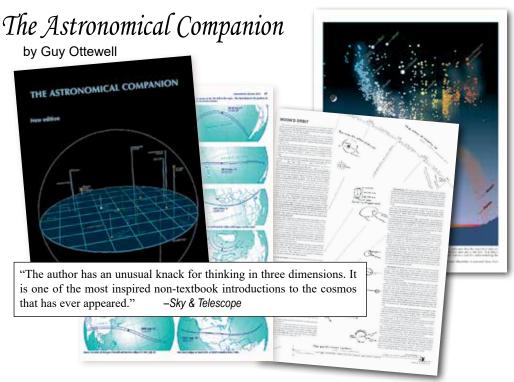
We also have a few 20th Century Luna charts left (unlaminated). If you want to purchase any of these, please contact us directly - not available online.



On the Cover

New Brunswick, Canada is certainly one of the areas in North America to show its autumn leaf colors early in the season. Photographer Graham Hobster captured this scene at their peak.

Get the full, wide-angle image on our MoonShine 2018 - Landcape Edtion calendar – see page 13.



All the classic astronomy knowledge a beginner needs, intelligently delivered.

A general guide to astronomy; some say it should be called the Astronomical Treasury. This atlas-sized book builds a solid understanding for the coordinate systems and features of space on a series of 30 large diagrams, each of an ever expanding sphere. Move from the moon's orbit, to the planets, comets, to nearby stars, then remote stars, our Milky Way Galaxy, local group of galaxies, the Virgo cloud, and on to the limits of the universe. 11" x 15". 73 pages.

- · Seasons, traditional dates, world calendars, time
- Catalogue of star name and derivations
- Coordinate systems, precession
- Moon: phases, orbit, saros, eclipses
- H-R Diagram (star color, luminosity, type)
- · Catalogue of star name and derivations
- · Constellations, asterisms,
- Meteor showers
- Double stars



Order Item: COMP (\$29.95)

The Under-Standing of Eclipses 5th edition by Guy Ottewell

If you saw any of the grand solar eclipe that crossed the U.S. in August 2017, then perhaps you caught the bug in wanting to see more and understand more about all eclipses. It methodically explains why eclipses of the sun and moon happen, their intricate patterns in time and space - and why they are so exciting. There are page-spreads with dynamic globe diagrams, examples of the main kinds of eclipse and several curious cases such as a "broken-ring eclipse", a "geometrically tight eclipse", and a "globe-skimming eclipse". Superb illustrations, including the 12-page "bead curtain" chart of all eclipses from 1901 to 2116; "Eclipse stories" (with some cartoons); eclipses of the future; tables; index. 114 pages.

Order Item: TUSE (\$25.95)



Planispheres

The basic tool for all sky watching.

Miller Planispheres are the premiere star finder. Durable plastic disks and accurate cartography with instructions right on the back. Large 10.5" diameter makes it easy to read but it's still easy to pack for a trip. Specify model number (see map) as part of the item code. (Example: MPL40

covers latitudes 35N-45N).





Did you know? You can use your planisphere to determine

- your sky right now
- · your sky for a future date
- sunrise/sunset
- best months to view a constellation
- · rise/set/transit of specific

Choose from Four Planisphere Models

Locate vour area to determine which latitude Model (22, 30, 40, 50 degree) is best. If you do not specify, we will select the best model based on your address. Call us if you need help.





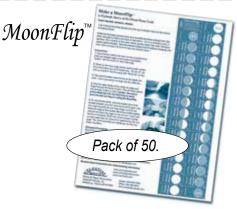
Super Sunprint Kit

Have hours of fun making photographic-type prints with the Super Sunprint Kit. Just place an interesting object on a sheet of Sunprint paper, expose it to the sun for a few minutes, immerse the paper in water, and watch as a permanent image appears. Safe for all ages. Recommended for ages 6 and up. 15 sheets 8" x 10" plus plexiglas sheet to aid the exposure process.

Great for larger objects or simply cut sheets for smaller projects!



Order Item: SSPK (\$16.95)



Model 22

Just Dial

Your

Date

& Time

Make an old-fashioned flip book from this sheet of preprinted daily moon phases to produce an animation of a complete lunation cycle. Complete instructions and extra student information on the moon printed on the same single sheet. Ages 8 and up. (Recommended adult supervision when using scissors or cutting instrument.) Requires a stapler. Sold in classroom packs of 50. 8.5" x 11".

Sold in packs of 50 - a low cost classroom or workshop activity.



Order Item: MFLIP (\$9.95)

Moons and Blooms™ A Gardener's Jov

Splendid reference gift for the gardener who is also a sky watcher.

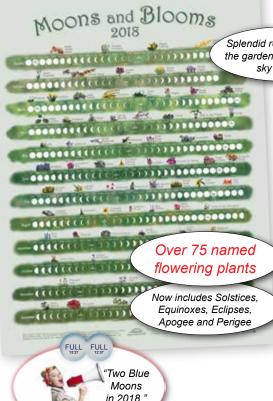


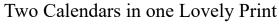
- A Garden by Bloom Date
- Daily Moon Phases
- Plant Reference Guide
- · Helps in understanding phenology
- recurring sequences/cycles

Flowers bloom alongside the daily phases of the moon in this delightful combination timeline calendar. While you've known that plants repeat their cycles year to year, the term "phenology" defines the phenomenom of biologic cycles. Shifting climate/weather has been playing havoc with the stability of prediction of first bloom dates, but we've done our best to hit the average dates.

Over 75 named flowering plant illustrations are positioned on their approximate first bloom date. Watercolor art brings life to our annual garden. Complete moon phase information will keep you checking dayby-day. MoonWatcher and Plant Bloom guide sheets included. Printed on recycled paper. 17.75" x 23.75". Rolled in a clear Gift Tube with end caps.

Order Item: MBlooms2018 (\$12.95







Just add a bows to the clear Gift Tube you've got gifts!





Moon Gazers' Wheel

The Moon Gazers' Wheel is so simple to use - just look at the moon in the sky and turn the wheel to match what you see. From there you can read all the helpful information around the wheel:

- name of the phase (waxing gibbous, etc.)
- moon's position in orbit relative to the earth
- day of the lunar month
- relative sun direction
- moon rise and moon set rudimentary times
- period of day/night the moon is in the sky



The Moon Gazers' Wheel is sold in packs of two. Pack of 2, Order Item: MGW (\$11.95)

Perfectly sized (6.5" x 8") to go with you or sit by your back door ready for those nights you look up and wonder...

MyCityMoon ™

Your City and Moon Calendar Art

A city's skyline has become an iconic emblem for the place you live. We have started a series we call MyCityMoon combining an artistic view of representative city skyline with our moon calendar poster format. Now you can boast your city on your wall.

To localize the calendar to your city, the moon phase illustrations and time/date information is produced for the city's time zone - no need to convert the time/ date from Universal Time. Read the correct local time directly from your calendar. We have even allowed for Daylight Saving time changes where appropriate.

Don't see your city? We are adding new ones on a regular basis, so check our website for the latest list.

Printed on heavy coated poster paper and rolled into a clear plastic Gift Tube. A localized MoonWatcher Guide sheet is included in each calendar

Order Item: MyCityMoon2018 - #City Name# (\$12.95)

These are Limited Editions Printed on Demand Must be ordered directly: 800-235-3783 (not available online)

Small Poster Size: 13" x 19" (MoonShine posters on page 13 are larger)

MyCityMoon Calendars Available

- Atlanta
- Miami
- **Boston**
- Philadelphia
- Charlotte
- Phoenix
- Chicago
- Portland
- **Dallas**
- San Diego
- Denver
- San Francisco
- Las Vegas
- Seattle
- Los Angeles
- St. Louis
- New York
- Tampa

Some of the calendar examples >

(city art subject to change from depicted)









Sets of Eight Cards/Envelopes - Two Cards of Each Image!



Heavenly Reflections - Set HRH1. Four planetary nebulae images include: The Eskimo Nebula, The Glowing Eye of NGC6751, The Stingray Nebula, and the Eight Burst Nebula.

coloration and credit citation.

Order Set HRH1

Set HRH1 Eight Cards - two of each image.



Heavenly Reflections - Set HRH2. Four planetary nebulae images include: The Ring Nebula, Butterfly Nebula M2-9, The Cat's Eye Nebula, and Hourglass Nebula.

Order Set HRH2

Set HRH2. Eight Cards - two of each image.

Heavenly Reflections - Set HRH3. Four images include: The Tarantula Nebula, The Doradus Nebula, Inside the Crab Nebula, and Supernova 1987A in the Large Magellanic Cloud.

Order Set HRH3



Set HRH3. Eight Cards - two of each image.

Heavenly Reflections - Set HRH4. Four images include: Starbirth Clouds in M-16, Starbirth in the Trifid Nebula, Life Cycle of Stars in Galactic Nebula NGC 3603, and Inside the Lagoon Nebula.

Order Set HRH4



Set HRH4. Eight Cards - two of each image.

Heavenly Reflections - Set HRH5. Four galaxy images include: Majestic Spiral Galaxy NGC 4414, A Grazing Encounter of Two Spiral Galaxies, Infant Stars Ring Core of Galaxy NGC 4314, and Galactic Silhouettes.

Order Set HRH5



Set HRH5. Eight Cards - two of each image.

Heavenly Reflections - Set HRH6. Four images include: The Bubble Nebula, Elliptical Galaxy M32, The Hubble Deep Field North, and Star Cluster M80.

Order Set HRH6





$MoonBeams^{\mathsf{TM}}$ - Cards with a Silver Foil Gift inside

Moon Calendar + Almanac Cards with Blank Message Panel

These clever note cards with a blank note panel provide the perfect way to share your love of the moon with a friend. Inside each 6-panel card is a chart of the daily phases of the moon-printed in bright metallic foil. Additional fold-out panels in the card contain moonwatching information, dates/times of major phases, names of Full Moons, apogee/perigee dates, eclipse dates, etc. 8.5" x 11" flat, folded to 3.7" x 8.5". Printed on recycled paper.

Purchase in Wallet Packs of 8 or Bulk Packs of 24 cards/envelopes. All Styles and custom prints available by phone/mail order. Limited Styles available online - see chart on next page.

Mailable Gift Envelopes

Included

Embossed Silver Foil Moon Phases



Blank Note cards with a Silver Foil-Stamped Moon Calendar Inside

Scenic Covers in Watercolor Style Moon Calendar & Moon Watcher







G - Gull Gathering

R - Resting Waters

D - Dawn Crescent

L - Lighthouse Moon



C - Cabin Vista

M - Matterhorn

"Vistas" Collection Purchase all of any one design or get all four designs in the Vistas Assortment



A - Autumn Stream



P - Pinnacle View

How MoonBeams Work: The blank note panel is just inside, but there is more...



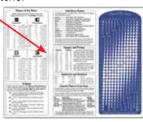
Open cover...



...to reveal the blank note panel and MoonBeams panel. Open the note panel...

MoonWatcher 4 6 1

- Guide
- Phases Eclipses
- Names
- Apogee
- Perigee Equinoxes
- Solstices Blue Moons



...to reveal the moon watching information panels.

Order Wallet Sets of 8 (folded cards)

Choose from Two Packaging/Format Styles

Order Bulk Packs of 24 (flat, pre-scored, ready-to-print & fold cards)

Choose one or more of the sets shown by the Cover Code. Each folded Wallet Set includes 8 folded cards with envelopes in a protective vinyl wallet.



Choose one or more of the sets shown by the Cover Code. Cards are pre-scored for folding but left flat for your ability to imprint with your laser or inkjet printer. Each Bulk Pack includes 24 unfolded cards with envelopes. Instructions included.



"I love these cards for holiday giving. There is plenty of room for a note. My friends hang up the card or keep it handy the whole year and count on me sending a new one every December. It has become my annual little gift."

- Amber T.

USA					
	Cover Code	Wallet Sets 8 cards+env. (\$15.95) Order Item:	Bulk Packs 24 cards+env.(\$45.50) Order Item:	Availability by Phone / Mail	Availability Online
	G - Gull Gathering	MB2018-G8	MB2018-G24	✓	Available online only as the Shorelines Assortment "SA"
	R - Resting Waters	MB2018-R8	MB2018-R24	✓	
	D - Dawn Crescent	MB2018-D8	MB2018-D24	✓	
	L - Lighthouse Moon	MB2018-L8	MB2018-L24	✓	
	C - Cabin Vista	MB2018-C8	MB2018-C24	✓	Available online only as the Vistas Assortment "VA"
	M - Matterhorn	MB2018-M8	MB2018-M24	✓	
	A - Autumn Stream	MB2018-A8	MB2018-A24	✓	
	P - Pinnacle View	MB2018-P8	MB2018-P24	✓	
	W - Winter Moon	MB2018-W8	MB2018-W24	✓	✓
	Collections SA - Shorelines Assortment VA - Vistas Assortment	(2 ea. of the 4 designs) MB2018-SA8 MB2018-VA8	(6 ea. of the 4 designs) MB2018-SA24 MB2018-VA24	√ ✓	✓ ✓
	B - Blank Covers/Message (Print your own covers)	(Purchase blanks in Bulk Packs.)	MB2018-B24	√	✓



W - Winter Moon Blank Message Panel Holiday Card

Whatever you celebrate, our seasonal cover MoonBeams card provides a great way to spread your greeting. "Winter Moon" shows your love of nature. In the sky, a near full moon. Inside the card is our standard blank message panel, silver foil-stamped daily moon phase calendar and an almanac on moon watching information.

Folded to 3.7" x 8.5". Sold in packs of 8 or 24 with envelopes. Order Cover Code W.

> MoonBeams cards with Seasonal Cover Art "Winter Moon"

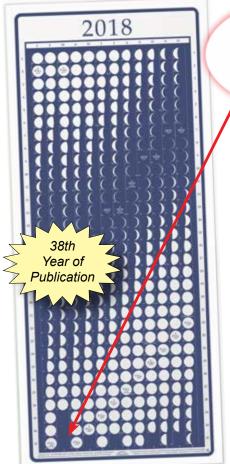
Print Your Own Covers/Message

We have MoonBeams with the silver foil moon calendar and MoonWatcher Guide printed but with blank cover panels space ready for your art. These flat, pre-scored cards are ready to print by hand or using your inkjet/laster printer. Leave your message panel blank or print your message in the same pass. Instructions included.

Custom Images We Print For You

E-mail us your own image (3.5" x 8.5" vertical or horizontal) to custom print the cover. An inside message is optional and should be included in your e-mail. There is a \$20.00 setup charge plus a 48 card minimum order. Send JPEG image to MoonBeams@CelestialProducts.com. A proof will be sent as a reply to your e-mail. Complete your order by calling in quantity and payment information. Call 800-235-3783 or e-mail MoonBeams@CelestialProducts.com for more information.

FULL



Just add bows -

you've got gifts!

"Two Blue Moons in 2018"

FULL

Did you know you can determine a "Supermoon' date simply by looking on the chart for a Full or New Moon and Perigee coming together on the same date?

MoonDazzle is specially designed with cratered moon surface images printed with reflective silver ink - the entire array has a dazzling, eye-catching effect.

Just add a bows you've got gifts!

MoonDazzle™

A smaller, similar version of our MoonLight calendar (left). Grid section shows the daily phase of the moon in silver moons featuring its cratered surface. Times of the New, and Full moons are shown in Universal Time. Included MoonWatcher guide contains articles related to eclipses, apogee/perigee, blue moons, etc. 8" x 20". Printed on quality, recycled paper. Rolled in a clear Gift Tube.

Order Item: MDaz2018 (\$9.95)



A smaller

poster

size for

limited

walls spaces.

8" x 20"

The Original Moon Phase Chart

MoonLight™

Our beautiful, astronomically correct chart of each day's phase of the moon. Silver crescents are keyed to the date and day of the week. Times of the New and Full moon are shown in Universal Time. Included with each MoonLight graphic is a copy of our MoonWatcher guide which features articles related to eclipses, apogee/perigee, blue moons, etc. Printed on quality recycled paper. 16" x 36.5". Rolled in a clear Gift Tube with end caps.

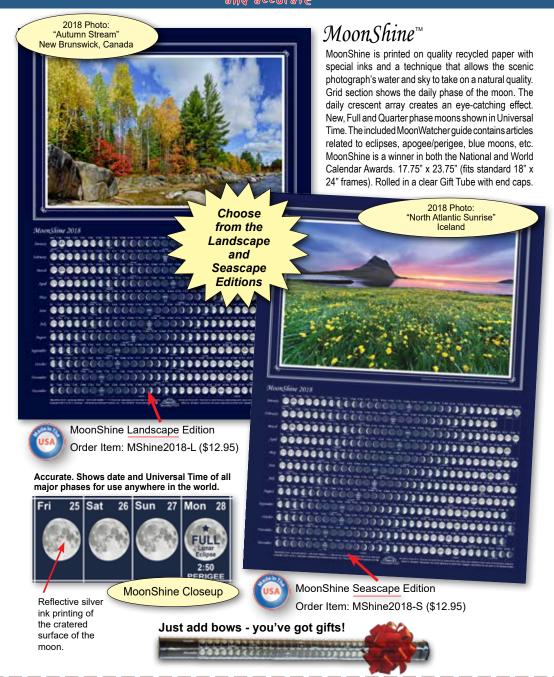
Order Item: MLight2018 (\$12.95)



MoonWatcher™ Guide



FREE MoonWatcher Guide with your purchase of each calendar on these two pages. Essential moon-watching information, tables, and diagrams for the whole year. Learn more about the moon!



Supermoons? How to spot them!

The moon's elliptical orbit around the earth puts it sometimes at points farthest away (apogee) and closest (perigee) from the earth. These distances change a little bit from one perigee to the next. In a given year one could find one perigee closer than the rest. When a perigee and the full/new moon happen on the same date we have what is popularly known as a "Supermoon." There is more hype than substance attached with the visual aspects to these events. Accounts of previous full moon supermoons have vastly overstated how much larger



and brighter the moon would be. Astronomers have long known these and call them a perigean full/new moon (or perigee full/new moon). More important is to know that every perigee coincident with either a full or new moon has much more noticeable impact in higher and lower tide height/depth values. The closest full moon

nearly coincident with a perigee occurs on January 1-2. A slightly more distant perigee of January 30 is nearly coincident with the full moon of January 31, 2018.



Sure, the calendars are elegant, but they are useful as well... with references to Solstices, Equinoxes, Eclipses, Apogee, Perigee, Moon Phases, etc.



12 Moonlit views from exotic landscapes around the world to grace your wall. This is the only standard form wall calendar to include Moon Phase Strips™ that illustrate the actual daily phase of the moon. MoonWatcher Guide inside, poetry and verse, notes/diagrams on special moon/sky events.

diagrams on special moon/sky events. Plenty of space to enter your schedule and personal notes.

11" x 8.5" letter size. Wire-bound for stay-flat usage. Shrinkwrapped.

Order Item: MDANCE2018 (\$14.95)

On your desk or wall it opens to 11" x 17" ...not too big, just right.

- Daily Moon Phase
 Illustrations
- Moon Phase Dates/Times
- Apogee/Perigee
- Eclipses
- Lunation Cycle
- Full Moon Names
- Blue Moons
- Universal Time Article
- Major Meteor Showers
- Moon-Planet Conjunctions
- · Poetry and Verse

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Moon Phase Strips on each month's grid page.

MoonWatcher Guide Pages

 $MoonMaggy^{\text{\tiny{M}}} + MoonOverMe Sets$

MoonMaggy is perfect for your refrigerator or other magnetic surfaces. Grid section shows the daily phase of the moon for 2018. Each MoonMaggy comes with a free MoonOverMe Almanac Card on which is printed another daily moon phase calendar. Thin magnetic material - easy to mail. 3.5" x 8" (folded card is 4" x 9.25"). Sold in packs of 3 and packs of 12 with a matching number of free MoonOverMe Almanac Cards.

"...office gifts? - These solved all my problems!



"Now they expect a MoonMaggy from me every year. So easy!"

Use common #10 Envelope

Only \$3.00 ea. in pack of 12.





Pack of 3, Order Item: MMAG2018-003 (\$9.95) or Pack of 12, Order Item: MMAG2018-012 (\$35.95)



Use common #10 Envelope

Envelopes NOT included

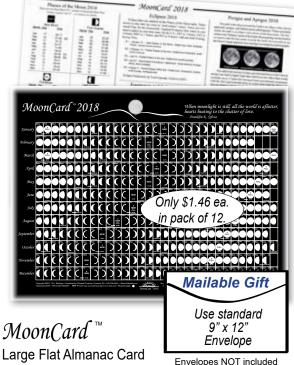
MoonOverMe[™] Folded Almanac Card

A four-panel folded card with a 2018 Moon Calendar and almanac guide to the moon for 2018 which features articles related to the daily moon phases, eclipses, apogee/perigee, blue moons, Full Moon names, etc. Great little item to give as a handout, bonus, etc. Printed on recycled card stock with protective overcoat. Mailable size is 3.8" x 9.25" (unfolds to 7.6" x 9.25). Envelopes not included



Sold in packs of 10.

Pack of 10, Order Item: MOM2018-010 (\$13.95)



MoonCard provides all the moon phases for the year in an easy to read, day-byday blocks. Grid section shows the date and day of the week as well as any event times for the major phases and dates of apogee/perigee. Back side has further almanac information and tables. Printed on recycled card stock and overcoated

for protection. Calendar side is dark blue. Flat card is 8.5" x 11".



Sold in packs of 6 or 12.

Pack of 6, Order Item: MCARD2018-006 (\$9.50) or Pack of 12, Order Item: MCARD2018-012 (\$17.50)

PRESORTED STANDARD U.S. POSTAGE PAID Celestial Products



The Most Beautiful Moon Calendars in the World

Direct from publisher discounts from \$2 to \$13 on most items!



Order online for the best discounts and offers...

MoonCalendar.com