







• 2022 CELESTIAL HIGHLIGHTS







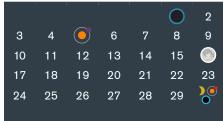
JAN	UAR	Υ

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9	10	11	12	13	14	15
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30	31					

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MARCH							
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APRIL



			MAY			
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JUNE

JULY

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28	29	30	31			

SEPTEMBER

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0		27	28	29	30	



OCTOBER

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30	31					

NOVEMBER 5 2 3 7 Sales Sales 9 10 11 12 14 15 16 17 18 19 21 22 24 25 26 28 29 30

DECEMBER 3 2 4 6 9 10 11 12 14 15 16 17 18 19 20 22 24 25 26 27 28 29 30 31

NEW MOON





TOTAL LUNAR ECLIPSE

MAY 16* - Visible in North America, Greenland, the Atlantic Ocean, and parts of western Europe and western Africa

* Viewable on 5/15 for Western North America

NOV 8 - Visible in most of eastern Russia, Japan, Australia, Pacific Ocean, and parts of western and central North America

TOP 3 METEOR SHOWERS

6

13

20

27

MAY 6-7 - Eta Aquarids Meteor Shower

AUG 12-13 - Perseids Meteor Shower

DEC 12-13 - Geminids Meteor Shower

EQUINOXES AND SOLSTICES

MAR 20 - March Equinox

JUN 21 - Summer Solstice

SEPT 23 - September Equinox DEC 21 - Winter Solstice

BEST DATES TO VIEW MERCURY

6

FEB 16 - Greatest Western Elongation: 26.3°, visible pre-dawn

AUG 27 - Greatest Eastern Elongation: 27.3°, visible pre-dusk

MARS OPPOSITION

SATURN OPPOSITION

JUPITER OPPOSITION

CONJUNCTIONS

APR 5 - Mars and Saturn

APR 30 - Jupiter and Venus

MAY 29 - Mars and Jupiter

JUN 13 - Venus and Mars

AUG 19 - Moon and Mars near Pleiades

DEC 7 - Moon, Jupiter, Saturn, and Venus

PARTIAL SOLAR **ECLIPSE**

APR 30 - Visible in parts of the southeast Pacific Ocean, southern South America

OCT 25 - Visible in parts of Russia