

**Updated January 2023 -265 (up to sep\_oct23)**

apr90-comet Austin  
apr91- beauty and love  
apr92-ancient stories  
apr93-warming up to astronomy  
apr94-casting shadows  
apr95-stretching the sunlight  
apr96-singing with the stars  
apr97-viewing comet hale-bop  
apr98-close encounters in the sky  
apr99-what is red and retrogrades  
apr00-our milky way  
april01-mercury  
apr02-planetary line-up  
apr03-setting the scales straight  
apr04-scope it out  
apr\_may05-you are blocking my view  
april-may06-solar system update  
apr-may07-conjunction function  
apr-may08-of moons and rings  
apr-may09-tracking the messenger  
april\_may10-out with the old – in with the new  
apr-may11-planetpalooza  
apr-may12-I'm your Venus  
apr-may13-the geography of eclipses  
apr-may14-a tale of two nodes  
apr-may15-youre kidding me – no I'm Sirius  
apr-may16-in transit  
apr-may17-universe from micro to macro  
april-may18-gaining insight into mars  
apr-may19-Environmental Changes  
aug18-return to sender part 2  
aug19-water conservation  
dec06-the real shape of the Moon's orbit  
dec07-the icy fringes  
dec08-Lunar looks and latitude  
dec09-urban legends  
dec10-total lunar eclipse  
dec11-getting to mars  
dec12-exploring the earth's atmosphere  
dec13-incoming  
dec14--Not too hot-not too cold  
dec15-following our curiosity  
dec16-studying rings around the sun  
dec17-star chart  
feb91-twins together  
feb92-signs of spring  
feb93-watch that woodchuck  
feb94-my educated mother  
feb95-lighting the night  
feb96-a year divisible by four  
feb97-comet hale-bopp  
feb98-solar eclipse sightings  
feb99-pluto returns to ninth  
feb00-leaping toward the new millennium

feb01-exploring the red planet  
feb02-watching your weight  
feb03-scintillating stars  
feb04-convening with comets  
feb05-scope on the skies  
feb06-follow the drinking gourd  
feb07-other moons  
feb08-deep-sky objects  
feb09-new milky way  
feb10-end of the line for stars like ours  
feb11-getting a crew into orbit  
feb12-drawkcab planets  
feb13-planets, orbits, and the stars of summer  
feb14-imaging the night sky  
feb15-pictures tell the story  
feb16-a leap forward  
feb17-in the midst of an eclipse season  
feb18-storms from the skies  
feb19-The Van Allen radiation belts  
jan91-bright starlight  
jan92-names of stars  
jan93-the westward wiggle  
jan94-our sky companion  
jan95-martian motion mapping  
jan96-the evolving calendar  
jan97-evening/morning star-missing  
jan98-start the new year with a shower  
jan99-january blues  
jan00-an ecliptic end  
jan01-ancient skies  
jan02-peeking at the planets  
jan03-brightest stars in the sky  
jan04-saturn ringed jewel  
jan05-january in the skies  
jan06-location-location-location  
jan07-and then there were eight  
jan08-mercury  
jan09-international year of astronomy  
jan10-mars at opposition  
jan11-solar explorations  
jan12-welcome to mars  
jan13-which way is north  
jan14-a tail of two comets  
jan15--A new year - a new world view--#200  
jan16-a model solar system  
jan17-flipped constellations  
jan18-Timely motions of the earth and moon  
jan19-monitoring the hydrosphere  
jan20-Preparing for Cosmic Collisions  
jan-feb21\_getting to the core of climate change  
jan-feb22-exploring deep space  
jan-feb23- Sandy and Dusty Worlds  
jul18-Return to sender (part 1)  
jul19-agriculture from orbit  
jul-aug20-back to mars

jul-aug21-Visual Literacy  
jul-aug22-all about the Moon  
jul-aug23- Star Struck!  
mar91-a regal name  
mar92\_no column  
mar93\_no column  
mar94-the sliding sun  
mar95\_no column mar96\_no column  
mar97\_no column mar98\_no column  
mar99\_no column  
mar00-----  
mar01-----  
mar02-----  
mar03-celestial grid system  
mar04-and now there are five  
mar05-all things being equal  
mar06-equinox  
mar07-total lunar eclipse  
mar08-tracking planets around the sun  
mar09-star light, star bright  
mar10-march measurements  
mar11-changing of the season  
mar12-march mars madness  
mar13-which way is north  
mar14-prograde and retrograde  
mar15—a year in time  
mar16-grace, grail, gravity  
mar17-beyond earth's orbit  
mar18-motions of the earth and beyond  
mar19-occultations and eclipses  
mar20—Spring Migrations  
mar-apr21-give them tools  
mar-apr22-let's explore  
mar-apr23- Castles in the Sky  
may90-night sky of summer  
may91-a spectacular summer  
may92-perpetual motion  
may93-summer dance  
may94-soar into summer  
may95-moving along in space  
may96-midnight meteors and more  
may97-unveiling mars mystery  
may98-summer transitions--missing  
may99-planets on the move  
may00-summer skies  
may01-summer skies  
may02-where have all the planets gone  
may03-skies this summer  
may04-summer astronomy  
may10-out with the old-in with the new  
may-june21-earthwatch  
may-june22-solar\_system\_exploration  
may-june23- Would You Believe?  
nov\_dec90-tracking mars  
nov\_dec91-tropic of Gemini

nov\_dec92-a bright night  
nov\_dec93-swallowing the moon  
nov\_dec94-poot-see on the mountain  
nov\_dec95-winter wanderers  
nov\_dec96-who is Auriga  
nov-dec97-phases of Venus  
nov-dec98-discovering the leonids  
nov\_dec99-the sky is falling  
nov\_dec00-shadows and spacecraft  
nov\_dec01-all about occultation  
nov\_dec02-winter viewing.  
nov\_dec03-planets highlight  
nov\_dec04-dance of the planets  
nov\_dec05-dance of the planets  
nov06-eclipse cycles  
nov07-neptune and Pluto  
nov08-the view from earth  
nov09-living with a star  
nov10-rocks, robots, and ice  
nov11-we're back  
nov12-ascent  
nov13-comet of the century  
nov14-anyone out there  
nov15-the shape of things  
nov16-historic stars in our skies  
nov17-measuring the universe  
nov-dec18-virtual space exploration  
nov-dec19-mercury transit of the sun  
nov-dec20-family based astronomy  
nov-dec21-The Hot Cold Volcanoes  
nov-dec22-where on earth is mars  
oct90-soar with Pegasus  
oct91-mythology  
oct92-planets with ears  
oct93-wet skies  
oct94-the suns cape  
Oct95-looking up to Saturn--missing  
Oct96-pegasus, born of the ocean  
oct97-a string of seven planets  
oct98-star bright  
oct99-biggest and brightest  
oct00-blinded by the light  
oct01-I'm on top of the world  
oct02-orbits and distances  
oct03-moon-natural satellite  
oct04-sun and moon upstage each other  
oct05-you are blocking the light  
oct06-tidal forces  
oct07-focus on Uranus  
oct08-no place like home  
oct09-our sun  
oct10-moon phases  
oct11-comet watch  
oct12-apparent sizes-it was this big  
oct13-sound of sound

oct14-eclipse season  
oct15-standing on shoulders  
oct16-connected computing  
oct17-a candle in space  
oct18-Milestones in space exploration  
oct19-Warming Waters  
sep90-a new column begins  
sep91-the sun and the season  
sep92-a sea of stars  
sep93-the close of summer  
sep94-marking time  
sep95-fliiping over Saturn  
sep96-teaching about eclipse  
sep97-shadows and circumference  
sep98-eggsciting equinox  
sep98-our place in space  
sep99-coming to a sky near you  
sep00-planet viewing  
sep01-a busy school year for spacecraft  
sep02-school year in space  
sep03-a year in the skies  
sep04-september in the skies  
sep05-planets in motion sep06-luna  
sep07-between the planets  
sep08-planets a go-go  
sep09-star maps  
sep10-law of location  
sep11-in the middle  
sep12-changing earth's surface  
sep13-independent astronomy research projects  
sep14-mars meets maven and mom  
sep15-the Earth-Moon system  
sep16-angles and eclipses  
sep17-cassini spacecrafts grand finale s  
ep18-ozone\_the protective layer above us  
sep19-Hurricane Season  
Sep-oct20-the red issue  
sep-oct21-the sun is a star  
sep-oct22-shape shifting surfaces  
sep-oct23-nothing to write about  
summer04-summer skies (June, July, August)  
summer05-summer skies (June, July, August)  
summer06-summer planet watch (June, July, August)  
summer07-summer skies (June, July, August)  
summer08-dance of the planets (June, July, August)  
summer09-summer skies (June, July, August)  
summer10-bird watching (June, July, August)  
summer11-summer skies (June, July, August)  
summer12-space missions (June, July, August)  
summer13-those long summer days (June, July, August)  
summer14-location x3 (June, July, August)  
summer15-far out (June, July, August)

summer16-junos route to Jupiter (June, July, August)  
summer17-vocabulary of the skies (June, July, August)