

LANDMARKS OF WORLD HISTORY

A Chronology of Remarkable Natural Phenomena

Renaissance, 1501-1700

G=Geological phenomenon M=Meteorological A=Astronomical

	YEAR A.D.	MONTH	DAY	LOCATION	PHENOMENON	DESCRIPTION
M	1502	July	1	Santo Domingo	Hurricane	Bobadilla's fleet sunk
M	1502	December	13 (c)	Near Panama	Waterspout	Spout passed between 2 of Columbus' ships
A	1504	China			Meteorite	'Large star' fell with noise like thunder
A	1504	February	29	Jamaica	Lunar eclipse	Columbus predicts eclipse to overawe natives
G	1505			Afghanistan	Earthquake	Great earth disturbances
M	1506			Pouille	Ball lightning?	3 'suns' at night amid clouds & lightning Doubtful date
M	1506	January	13	England, France	Cold	Sea froze at Marseilles, Thames frozen
G	1507			Santorin	Earthquake	Part of island sank into sea
M	1508 (before)			Milan, Italy	Tornado	Da Vinci observes vortex
M	1508	August	3	Santo Domingo	Hurricane	Most houses destroyed, 20 ships lost
G	1508	September	9	Britain	Earthquake	In England & Scotland
M	1509	July	29	Santo Domingo	Hurricane	City destroyed
G	1509	September	14	Turkey	Earthquake	Sea invaded Constantinople. Many towns ruined
M	1509	September	26	Holland	Sea flood	Storm flood. Much loss of life
G	1510	June	10	Bavaria	Earthquake	Nordlingen. 2,000 k.
G	1510	July	25	Hekla, Iceland	Volcano	Stones flung 40 km. Lava k. several.
A	1511	September	4	Cremona, Italy	Meteorites	Many stones fell; man & animals k. One stone 100 lbs.
G	1513			Bellizone, Alps	Earthquake	Mountain fell & diverted River Brennio
M	1513	July	21	England	Heat	'Hot Wednesday'. Several k. by heat
G	1513	September	30	Switzerland	Landslide, flood	Fall dammed R. Brenno; lake burst May 1515. 600 k.
M	1514	January		London	Cold	Thames frozen
M	1514	July	3	Dicomano, Italy	Tornado	Trees uprooted, church unroofed
M	1515	July	19	Central Europe	Rain floods	6 weeks of rain Extensive floods
A	1516			Abdus R., China	Meteorites	1,200 stones fell Some of 120 lbs.
M	1517	January	12	England	Severe winter	Great frost began. Thames frozen
M	1517	January	15	Valence, France	Snow	3 feet of snow in streets
G	1517	June	26	Bavaria	Earthquake	Produced great ruins
M	1518	March	23	Béziers, France	Snow	6 inches of snow
M	1520			Erdfut	Tornado?	Rotating 'burning beam', much damage
A	1520	May	26	Oliva-Gandia, Spain	Meteorite	2 stones fell
M	1522			Florence, Italy	Fall	'Manna' fell everywhere in hot summer
M	1523	March	13	Holland	Thunderstorm	Hens' egg sized hail, violent winds
M	1523	November		England	Cold winter	Frostbite; deaths by cold
G	1527			Guatemala	Volcano	Volcan de Aqua destroyed city
M	1527	April	12	England	Rain	Every day till June 3
M	1528	July		France	Rain	Corn & vines destroyed
A	1529	February	5	China	Comet	Extended across sky
M	1530	February		Switzerland	Mild winter	No snow, St. Gallen, flowers in Feb.
A	1530	April	13	Damascus	Sunspots?	'Two eyes & brows' on Sun
G	1530	September	1	Venezuela	Earthquake	Fort & many houses fell, clefts opened
M	1530	October	8	Rome	Flood	12,000 drowned, 600 houses lost
M	1530	November	4	Holland	Sea flood	400,000 drowned
G	1531	January	26	Lisbon, Portugal	Earthquake	Many buildings fell, sea agitated
A	1531	August	24	China, Europe	Halley's Comet	Perihelion, reddish tail
M	1532	November	2	North Sea	Sea flood	Denmark to Flanders
G	1532			Ecuador	Volcano	Cotopaxi erupts
G	1533			Ecuador	Volcano	Cotopaxi flung 200 ton stone 10 miles
M	1535	April	21	Sweden	Halo complex	22° halo, arcs, parhelia
G	1536	March	23	Mt. Etna, Sicily	Volcano	Great eruption
M	1537	January	6	Florence, Italy	Aurora?	Beam of fire at night
M	1537	August	15	Austria, Italy	Hail	28 lb. stones, Bologna, men k., Austria
G	1538			Naples, Italy	Ground uplift	Village of Pozzuoli rose 22 ft. in 48 hrs.
A	1538	January	9	China, Europe	Comet	Tail 45° long
G	1538	September	29	Italy	Volcano	Monte Nuovo formed & was 440 ft. high in 8 days
M	1540			Central Europe	Warm year	Sunnier for 500 years, glaciers melted
M	1540			England	Hot summer	Great heat & drought, agues k. many
M	1540	March	23	S. France	Cold	Vines frozen
M	1540?	April	28	Limousin, France	Meteorites?	Stone size of barrel fell in hailstorm, 2 ells into ground
A	1540	November	26		Lunar event	'Star' on dark part of Moon 2 nights; 'flames' on 2 nd night
M	1541			England	Drought	Rivers dried up, cattle died of thirst. Dysentery k. 1,000s
G	1542	December	12	Sicily	Earthquake	Several towns ruined
G	1543			Venezuela	Earthquake	Cumana destroyed
M	1543	April	20	Mississippi	Flood	River 40 leagues wide
M	1545			Lyons	Hail	Men & beasts k. Stones larger than lemons
M	1545	June	25	England	Hail	Fist-sized stones, Lancs.

G	1545	September	6	Europe	Earthquake	Throughout Europe
G	1546			Palestine	Earthquake	With seismic sea wave
A	1547	April	23	Europe	Obscuration	Red Sun for 2 days & stars appeared at noon
A	1548	November	6	Thuringia	Bolide	Detonating meteor. Clotted blood fell
G	1550			Italy	Earthquake	Ariano swallowed up
M	1551	January	3	Lisbon, Portugal	Aurora	'Red rods' in the air
A	1552	May	19	Saxony	Meteorite	Stone-fall
G	1554	March	21	Belgium	Earthquake	Subterranean noise. More shocks in April
G	1554	May		Iceland	Volcano	Lava flow from fissure nr. Hekla
M	1554	May	5	Korea	Aurora	Fire like vapour in S.
G	1555			Yugoslavia	Earthquake	Skopje wrecked
M	1556			England	Ball lightning	8 k. by 'fiery sulphureous globe' indoors
G	1556	January	23	China	Earthquake	830,000 k. Loess cave houses collapsed
G	1556	January	24	E. Europe	Earthquake	26 towns ruined
M	1556	September	23	Malta	Waterspout	War fleet sunk & 600 drowned. Uncertain date
M	1558	July	7	England	Tornado	7 k. at Nottingham
A	1559			Hungary	Meteorites	5 pieces of iron the size of a human head fell Miskolcz
M	1560	January	30	England	Aurora	'Burning spears'
M	1560	June	2	France	Coloured rain	Red rain at Louvaine. Also Embden
A	1560	December	24	Lillebourne	Meteor?	Set fire to magazine
M	1560	December	27	Germany	Aurora	Great brilliancy
M	1561	April	14	Germany	Halo complex?	Globes, crosses & tubes near Sun, Nuremburg
A	1561	May	17	Torgau, Prussia	Meteorites	3 stones fell. Weight 39 lbs.
M	1563	January	4	England	Tornado	Houses fell at Leicester
M	1563	December		Bergen, Norway	Aurora	Auroral sounds reported
G	1564	July		France	Earthquake	7 villages destroyed, Nice & Provence
A	1564	October	7	England	Aurora	'Flames of fire' in N.
G	1565			Guatemala	Earthquake	Volcano Paraya erupted
M	1566	August		Basel, Switzerland	Anomalous phen.	Dark spheres around the Sun. Turned red & went out.
A	1567	April	9	Rome	Solar eclipse	Circle of light round Sun
M	1569	October	30	Notts., England	Tornado	60 yards wide, lasted 7 mins. Destroyed all in its path
G	1570			St.Jago, Chile	Earthquake	Sea retreated, great landslips
M	1570	January	12	Bohemia	Aurora	Torches & pillars
M	1570	November	1	North Sea coast	Sea flood	4000,000 drowned
G	1572	January	6	Prussia	Earthquake	With 'fall of aerolites'
M	1572	November	1	England	Cold winter	Deep snows & freezing rains to Jan. 6
A	1572	November	11	Europe	Supernova	Cassiopeia; equals Venus. Tycho's Star
M	1573	February	2	Switzerland	Cold	Lake Constance frozen for 60 days
M	1574	October	1	Holland	Sea flood	20,000 Spanish troops k.
M	1574	November	14	London	Aurora	'Burning clouds' N. to S for 2 nights
M	1575	February	13	Brabant	Aurora	Spears & armies in the air. Again Sept. 25
M	1575	November		Europe	Cold winter	Rhine frozen, great snow till April
G	1575	December	6	Valdivia, Chile	Earthquake	& seismic sea wave
M	1577	March	17	Yorks., England	Tornado	Buildings overthrown
M	1577	August	4	England	Tornado?	'Black dog' entered Suffolk churches
A	1577	November	8	China, Europe	Comet	Nucleus bright as Moon, tail over 60° long
G	1577	November	30	Mexico	Earthquake	'Very remarkable earthquake'
M	1578			Bergen, Norway	Fall	Yellow mice fell
M	1578	February	4	England	Snow	People & cattle lost. Snow to Feb. 8
A	1578	February	22	Korea	Comet	Stretched across heavens
A	1578	November		China	Comet	Tail 90° long
G	1580			Azores	Volcano	Sao Jorge erupts. Nuee ardentes
G	1580	April	6	England	Earthquake	2k. in London. Also France, etc.
G	1580	May	1	Europe	Earthquake	Holland, Germany, England 'Very considerable'
A	1580	May	27	Nörten, Germany	Meteorite	Shower of stones
A	1580	October	1	China, Europe	Comet	Tail stretched across Milky Way
A	1581	July	26	Thuringia	Meteorite	39 lb. stone fell
M	1581	August	27	Lithuania	Aurora	Pillars & crosses in sky
G	1582			Peru	Earthquake	Arequipa ruined
A	1582	May	13	Japan	Comet	Tail over 100° long
M	1582	August	12	Norfolk, England	Tornado	Tempest of lightning & whirlwind. Houses destroyed
A	1582	September		China	Comet	Blue; stretched over sky
A	1583	January	9	Italy	Meteorite	33 lb. stone fell at Castrovillari
G	1584			Switzerland	Landslide	300 k.
G	1584	March	1	Switzerland	Earthquake	Also Italy. Lake Geneva much agitated
M	1584	July	24	England	Lightning	Many men & cattle k.
G	1586			Guatemala	Earthquake	City ruined. Fuego volcano erupted
G	1586	July	9	Peru	Earthquake	Sea wave flooded land
G	1586	September		Japan	Earthquake	With seismic sea wave. Great earth clefts
M	1586	October	8	England	Gale	Houses & trees destroyed
A	1586	December	6	Germany	Bolide	Black & red dust fell at Verdun
A	1587	March	5	England	Lunar event?	'Star' in body of Moon
M	1587	July	2	Germany	Tornado	Funnel cloud seen in thunderstorm. 1 st tornado picture

M	1587	September		Holland	Floods	<i>Holland 'under water'. Plague & famine</i>
A	1587	October		Korea	Comet	<i>Tail 60° long</i>
G	1588	March	25	France	Earthquake	<i>Yellow 'smoke' for hours</i>
G	1590	September	15	Austria	Earthquake	<i>Vienna, Prague damaged</i>
A	1590	December	7	West Africa	Sunspot	<i>'Great black spot' on Sun. Seen at sea</i>
G	1591	July	26	Azores	Earthquake	<i>Land & sea disturbances</i>
M	1592			Austria	Cold winter	<i>Wolves entered Vienna & attacked men & beasts</i>
A	1594	March	1	Italy	Meteorites	<i>Shower of stones fell at Crelvacore</i>
M	1594	March	30	England	Gales	<i>1,000s of trees fell</i>
M	1594			Europe	Cold winter	<i>Lagoons of Venice froze. Thaw Feb. 1595</i>
G	1595	March	12	Colombia	Volcano	<i>Mudflows after eruption k. 636 , Nevado del Ruiz</i>
G	1595	June	25	France	River burst	<i>Ice fall blocked R. Dranse; dam burst k.140</i>
G	1596	July	22	Japan	Earthquake	<i>Sea rose; rain of ashes. Towns ruined</i>
M	1596	December		England	Ball lightning?	<i>Dark, football-sized 'thing' exploded in Wells church</i>
G	1597	January	3	Hekla, Iceland	Volcano	<i>18 craters on fissure</i>
A	1598	March	7	Hungary	Solar eclipse	<i>Ring of light round Moon</i>
G	1600	November	26?	Peru	Volcano	<i>Explosion Huainaputina.; Tambo R. dammed by debris</i>
G	1600	July	20	Tyrol	River burst	<i>Vernagt glacier dams river, great floods when dam</i>
<i>burst</i>						
G	1601 (c.)			Unknown	Volcano	<i>Great eruption created haze over Scandinavia</i>
G	1601	September	8	Europe	Earthquake	<i>Almost all Europe & part of Asia</i>
A	1604	October	9	China, Europe	Supernova	<i>Discovery date. Kepler's Star</i>
M	1606			Germany	Drought	<i>No rain for 7 months</i>
G	1606			Japan	Earthquake	<i>Mountain rose from sea in one night</i>
M	1606	March	27	Belgium	Gale	<i>Most buildings unroofed</i>
M	1607	January	27	Severn, England	Sea flood	<i>Hundreds drowned</i>
M	1607	February		Switzerland	Mild winter	<i>Violets bloomed in Feb.</i>
A	1607	May	28	Prague	Sunspot	<i>Seen by projection</i>
A	1607	October	27		Halley's Comet	<i>Perihelion. Long bright tail</i>
M	1607	December		London	Cold	<i>Frost fair on Thames. To Feb. 1608</i>
M	1608	January	20	England	Severe winter	<i>Firth of Forth froze. 'Great winter'</i>
M	1608	May	15	Dantzig	Cold spring	<i>Ditches still frozen</i>
G	1608	November	8	Scotland	Earthquake	<i>Felt Dundee, Edinburgh, Glasgow, Aberdeen, etc.</i>
A	1609	June		England	Moon	<i>1st obs. by telescope, Thomas Harriot</i>
M	1609	October		England	Severe winter	<i>Frost lasted 4 months. Thames frozen</i>
G	1610	June	22	France	Glacier advance	<i>La Rosière glacier crushed 5 houses</i>
A	1610	July	6		Lunar eclipse	<i>1st obs. by telescope</i>
G	1611	December	2	Sanriku, Japan	Earthquake	<i>5,000 drowned, 80 ft. tsunami</i>
G	1612	November	8	Crete	Earthquake	<i>Buildings thrown down. Also Germany to Dec. 7</i>
M	1613	May	29	Thuringia	Cloudburst	<i>For 11 hours. Great floods</i>
M	1615	May	1	England	Late snow	<i>Snow 1 ft. deep, Derbyshire</i>
M	1616	June		Switzerland	Hot summer	<i>Hottest for 500 years. 50 days' drought</i>
A	1618	August		Styria	Meteor	<i>'Blood' & stones fell</i>
G	1618	August	25	Switzerland	Earthquake	<i>Mt. Conto in the Grisons fell, 1,200 k.</i>
G	1618	September	4	Switzerland	Rockfall	<i>1,500 k. in Plurs</i>
A	1618	November	16		Comet	<i>Tail 70° long</i>
A	1619	February	14	China	Comet	<i>Tail 100° long</i>
G	1619	July		Hekla, Iceland	Volcano	<i>Ash fell in Norway</i>
A	1620	June	15	Europe	Lunar eclipse	<i>Moon vanished in totality</i>
A	1620	December	9	Europe	Lunar eclipse	<i>Moon vanished in totality</i>
A	1621	April	10	Jalandhar, India	Meteorite	<i>I ron fall. Made into weapons</i>
M	1621	September	2	France	Aurora	<i>All over France</i>
M	1622			Europe	Cold winter	<i>All European rivers & Zuyder Zee froze</i>
A	1623	January	10	Devon, England	Meteorite	<i>10 lb. stone fell at Stretchleigh</i>
G	1623	March	24	Norway	Earthquake	<i>'More violent than any remembered'</i>
A	1623	November	17	Germany	Meteor	<i>'Burning globe' at sunset</i>
G	1624			Azores	Earthquake	<i>Island 1½ leagues long rose nr. St. Michel</i>
G	1625	September	2	Katla, Iceland	Volcano	<i>Subglacial eruption. Ash fell Norway</i>
M	1626	June	12	London	Waterspout	<i>On river at Westminster</i>
G	1626	July	30	Italy	Earthquake	<i>30 towns wr., 17,000 k.</i>
M	1627			Apulia	Flood	<i>16,000 drowned</i>
G	1627			Phillipines	Earthquake	<i>Mountain 'levelled' in Cagayan province</i>
A	1627	November	27	Nice, France	Meteorite	<i>59 lbs. stone fell</i>
A	1628	April	9	England	Meteorites	<i>3 stones fell, Oxfordshire. Largest 26 lb.</i>
G	1628	August	28	Pleurs, Italy	Landslide	<i>2,200 k.</i>
G	1630	September	2	Azores	Volcano	<i>St. Michel. Rain of ashes</i>
A	1630	November	29	Alsace	Meteorite	<i>300 lbs. stone fell</i>
G	1631	December	16	Vesuvius, Italy	Volcano	<i>Lava & nuee ardentes, 4,000 k.</i>
G	1633			Ethiopia	Volcano?	<i>'Eruption of a mountain'</i>
A	1634	August	15	Messina, Italy	Mirage	<i>Fata Morgana. 1st description</i>
M	1634	October	11	North Sea	Sea flood	<i>Great storm flood, Germany, Denmark, 6,000 drowned</i>
A	1634	October	27	Belgium	Meteorites	<i>Several stones, to 8 lbs.</i>
G	1634	December		Mt. Etna, Sicily	Volcano	<i>Eruption until 1638</i>

G	1636	January	25	Azores	Volcano	<i>St. Michel. New island formed</i>
G	1638			Java	Volcano	<i>Raung Volcano eruption k. 1,000s</i>
G	1638	March	27	Italy & Sicily	Earthquake	<i>Sea retired 2 miles at Pizzo, 180 towns wrecked</i>
G	1638	June	2	New England	Earthquake	<i>Houses thrown down</i>
M	1638	October	21	Devon, England	Tornado	<i>Several k. in church Widcombe</i>
A	1639			China	Meteorite?	<i>Stone fell, destroyed many houses. Many people k.</i>
A	1639	November	29	England	Transit of Venus	<i>1st. observation, by Horrocks</i>
M	1640			Chile	Aurora	<i>Aurora Australis</i>
M	1640	January	27	England	Aurora	<i>Streams from dark arch</i>
G	1640	April	4	Europe	Earthquake	<i>France, Belgium, Holland, Germany</i>
A	1642	April	14	Europe	Lunar eclipse	<i>Moon invisible at totality</i>
M	1642	June		Germany	Fall	<i>Burning fist-sized sulphur lumps fell on Loburg Castle</i>
A	1642	August	4	England	Meteorit e	<i>4 lb. stone fell in Suffolk</i>
A	1642	December	2	Ofen, Hungary	Meteorit e	<i>'Mass' fell. 'Doubtful'</i>
A	1643			Europe	Sunspots	<i>Across 1/3rd. of Sun</i>
M	1643	March	10	S. England	Aurora	<i>Shining cloud like sword</i>
G	1643	April	12	New Guinea	Earthquake	<i>Several shocks</i>
G	1645	February	12	Norway	Whirlpool	<i>Maelstrom raged</i>
G	1645	November	30	Phillipines	Earthquake	<i>Most stone buildings fell</i>
G	1646	April	5	Constantinople	Earthquake	<i>Wave stranded 136 ships</i>
M	1646	May	16	Hasnia, Italy?	Fall	<i>Rain with sulphur. Powder found</i>
A	1647?			Rochefort	Meteorite?	<i>8lb. stone fell on ship, killing 2 men</i>
A	1647	February	18	Saxony	Meteorite	<i>50 lbs. stone fell at Zwickau</i>
M	1648			Europe	Noctilucnt clds.	<i>Maignon describes luminous clouds</i>
A	1649	September	1	Hamburg	Meteor	<i>Moved in bounds</i>
G	1650	September	24	Santorin Island	Volcano	<i>New island rose & disappeared in eruption</i>
A	1652	April	8	Scotland	Solar eclipse	<i>Mirk Monday</i>
G	1652			Palma, Canaries	Volcano	<i>Eruption on island. Also Azores eruption this year</i>
A	1652	November	2	Europe	Comet	<i>'Almost as large as Moon'</i>
G	1653			Smyrna	Earthquake	<i>3,000 k.</i>
A	1654	March	30	Denmark	Meteorites	<i>Many stones fell at Fünen</i>
G	1654	July	23	Italy	Earthquake	<i>Many villages ruined</i>
M	1655	December	10	Scotland	Blizzard	<i>Snow, wind & sea flood, Fifeshire. Houses fell, ships lost</i>
M	1657	June	21	England	Hot summer	<i>Heat by day & night</i>
M	1658	February	27	Europe	Cold winter	<i>Great snow in Rome, Feb.</i>
M	1660	June	2	England	Tornado	<i>Worthington, Leics. Trees uprooted</i>
G	1660	June	21	Pyrenees	Earthquake	<i>Mountain sank & left lake</i>
M	1660	November	3	Katla, Iceland	Volcano	<i>Great destruction. Glacier-burst</i>
M	1661	February	20	Gdansk	Halo complex	<i>2 haloes, parhelic circle, arcs & 6 parhelia</i>
M	1661	March	21	London	Aurora	<i>2 'armies' in sky</i>
G	1662			Oomi, Japan	Earthquake	<i>Mountain sank & left level ground</i>
M	1662	January	15	London	Mild winter	<i>Like 'May or June'</i>
M	1662	February	18	England	Gale	<i>SW storm & thunder, 'Windy Tuesday'</i>
M	1662	July	20	England	Tornado	<i>'Pillar of smoke', track 7 miles long, Cheshire.</i>
A	1662	December	10	Novy-Ergi, Russia	Meteorite	<i>Fireball, detonations, shower of stones</i>
G	1663	February	5	Canada	Earthquake	<i>St.Laurence River. Quebec injured</i>
M	1663	August	15	Russia	Anomalous phen.	<i>Huge fireball over lake for 1½ hours, Robozero</i>
M	1663	August	28	England	Summer cold	<i>Great frost. Cold summer</i>
M	1664	February	19	England	Haloes	<i>2 lunar haloes</i>
M	1664	August	16	London	Thunderstorm	<i>Intense lightning & rain</i>
M	1665	March	21	Germany	Fall	<i>Blue fibrous matter</i>
M	1665	July	2	England	Tornado?	<i>'Great grey ball' fell in Norfolk storm, much damage. 1</i>
k.						
G	1665	October	15	Canada	Earthquake	<i>Preceded by very loud noise</i>
G	1666	January	18	Hungary	Earthquake	<i>Also shock in England, prob. same date</i>
M	1666	April	21	Kent, England	Fall	<i>2 acres at Cranstead covered in small fish after thunder</i>
G	1666	November		Assyria	Earthquake	<i>5 towns & 45 villages ruined, 4 new mts. raised</i>
G	1667			Schamaki	Earthquake	<i>80,000 k. Great earth movements</i>
G	1667	April	6	Italy	Earthquake	<i>5,000 k., Ragusa. Submarine explosions</i>
M	1667	August	27	Virginia	Hurricane	<i>Jamestown wrecked</i>
M	1667	September	1	St. Kitts	Hurricane	<i>Great damage</i>
M	1667	October	23	Lincs., England	Tornado	<i>Many houses destroyed, 1k. at Welbourn</i>
G	1667	November		Caucasia	Earthquake	<i>80,000 k.</i>
A	1668	March	5	Europe	Comet	<i>Tail 'of stupendous length'</i>
A	1668	June	21	Italy	Meteorites	<i>Fireball & shower of stones, Vago Verona, up to 136</i>
Kg.						
G	1668	August	17	Turkey	Earthquake	<i>6,000 k.</i>
A	1668	November		Boston, Mass.	Lunar event?	<i>'Star' in body of Moon between horns</i>
G	1669	March	11	Etna, Sicily	Volcano	<i>Lava flow from fissure destroyed 50 towns, 20,000 k.</i>
M	1669	March	17	France	Fall	<i>Stinking red liquid fell at Chatillion</i>
M	1670	June	20	England	Halo complex	<i>7 'circles of light', 8 parhelia</i>
A	1670	July	11	China	Met eorit e	<i>House damaged by fall</i>
A	1671	February	27	Ortenau, Germany	Met eorit e	<i>10 lb. stone fell</i>

G	1671	March	31	Schamaki	Earthquake	Vast numbers of fireballs fell from sky
M	1671	December	9	S. England	Freezing rain	Great tree damage
G	1672			Greek Islands	Earthquake	Stanichio Island. 'swallowed up' with inhabitants
G	1672	April	14	Italy	Earthquake	1,500 k.
G	1673			Canaries	Volcano	Showers of fire & stones
M	1674	August	1	Holland	Tornadoes	Utrecht cathedral damage
A	1676	March	21	Italy	Meteor	Larger than Moon, 40 miles up, speed 9,600 mph
A	1676	September	20	England	Meteor	Seen in most of England
A	1677	May	28	Germany	Meteorites?	Many small stones with 'much copper' fell, Ermendorf
G	1677	November	13	Palma, Canaries	Volcano	Eruption to Jan. 1678
G	1678	June	17	Peru	Earthquake	Sea retreated & returned violently 24 hrs.(?) later
M	1678	August		Herts., England	Crop circle	Oat field 'all on a flame'. Circle by daylight
G	1679	June	4	Ararat	Earthquake	Devastating. Flames issued from ground
M	1680	July	18	Massachusetts	Tornado	1 st definite American tornado. Damage at Cambridge
G	1680	October	9	Spain	Earthquake	Earth clefts, Malaga
A	1680	November	14	Saxony	Comet	Discovery date. Curved tail 90° long
M	1681	July		Cape Cod	Fall	Burning bituminous matter fell on ship in thunderstorm
G	1682	May	2	Europe	Earthquake	Switzerland, France, Germany, etc.
A	1682	September	4	Europe	Halley's Comet	Perihelion date
M	1684	January	1	England	Severe winter	Thames Frost Fair begins. Frozen 2 months
M	1684	February	9	English Channel	Sea ice	Ice between Dover & Calais 'joined together'.
M	1684	December	23	S. England	Blizzard	Many froze to death
G	1686			Ternate	Volcano	'Vast shower of ashes'
M	1686	January	31	Germany	Fall	Damp black mass fell with snow, Memel
M	1686	May		Lisle, Holland	Hailstones	Stones up to 1 lb. fell
M?	1686	July	9	Leipsic	Anomaly	Fireball half size of Moon motionless 7½ minutes
M	1686	July	29	Venice	Tornado	Track 65 km. long
M	1687	July	4	China	Typhoon	Dampier's ship caught
M	1687	August	25	Yorkshire	Tornado	De La Pryme obs. funnel
G	1687	October	20	Lima, Peru	Earthquake	Lima & Callao wrecked. Sea wave
M	1688			Boston, Mass.	Coloured snow	Red snow fell
G	1688	March	1	Jamaica	Earthquake	Earth waves
G	1688	July	10	Smyrna	Earthquake	20,000 k.
M	1688	October	30	England	Aurora	Streamers 'warring' in N.
M	1688	December 20		England	Severe winter	Thames frozen to Feb. 6 '89, frost fair
A	1689	November	24	Africa, India	Comet	Tail 60° long
M	1690	January	11	England	Gale	Storm of wind & snow for 3 hrs. Many k.
G	1690	October	17	Ireland	Earthquake	Dublin & Kilkenny
G	1691	February	19	Transylvania	Earthquake	3 days' shocks. Earth clefts, trees torn up
G	1692			Ile de Fer	Volcano	Off African coast. Eruption lasted 6 weeks
G	1692	June	7	Jamaica	Earthquake	Port Royal sank into sea
G	1692	September	8	Europe	Earthquake	England, France, Belgium, parts of Germany
G	1693			Spice Islands	Volcano	Lake of fire 'took possession of' Sorea Island, inhab.
fled						
G	1693	January	9	Italy	Earthquake	Calabria & Sicily, 93,000 k. Felt France, Germany, etc.
G	1693	January	13	Hekla, Iceland	Volcano	Ash fall Norway & Scotland. Pumice carried to Faeroes
M	1694	April	22	Wales	Anomalous phen.	'Fiery exhalation' rose from sea. Grass tainted, cattle k.
G	1694	September	8	Italy	Earthquake	3,571 k., Avellino
M	1694	November	2	Scotland	Sandstorm	Culbin village lost for 230 years
M	1695			Iceland	Sea ice	Whole island surrounded
M	1695			Ireland	Fall	Clammy yellow substance fell in showers
M	1695	January	29	England	Cold winter	Frost & continual snow 5 weeks to date
M	1695	June		Bohemia	Summer cold	3 intense frosts. Famine
A	1695	October	28	Brazil	Comet	Tail 40° long
M	1697	May	4	Hertfordshire	Hail	Stones 14 ins. round. Several k.
M	1698	May	3	Norfolk	Late snow	Fell from 2 to 6 pm
G	1698	June	19	Ecuador	Volcano	Mt. Caruairazo 'fell in'
G	1699	January	5	Java	Earthquake	Batavia wrecked
A	1700			Jamaica	Meteorite?	Fiery body fell, Many holes in ground

