

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1980-01-01	18°Ⅱ43'49"	09°ⅴ22'31"	27°ⅸ26'51"	10°≈59'11"	13°ⅴ54'48"	10°ⅴ12'13"R	26°ⅴ59'00"	24°ⅴ01'54"	20°ⅸ54'39"	21°Ⅴ36'08"	00°ⅴ30'25"R	
1980-01-02	01°Ⅴ54'24"	10°ⅴ23'39"	28°ⅸ58'32"	12°≈13'09"	14°ⅴ05'03"	10°ⅴ11'09"R	26°ⅴ59'38"	24°ⅴ04'46"	20°ⅸ56'49"	21°Ⅴ36'58"	00°ⅴ21'18"R	
1980-01-03	14°Ⅴ50'03"	11°ⅴ24'47"	00°ⅴ30'34"	13°≈27'05"	14°ⅴ14'43"	10°ⅴ09'53"R	27°ⅴ00'10"	24°ⅴ07'37"	20°ⅸ58'59"	21°Ⅴ37'47"	00°ⅴ12'53"R	
1980-01-04	27°Ⅴ29'58"	12°ⅴ25'56"	02°ⅴ02'57"	14°≈40'58"	14°ⅴ23'47"	10°ⅴ08'25"R	27°ⅴ00'35"	24°ⅴ10'25"	21°ⅸ01'08"	21°Ⅴ38'33"	00°ⅴ06'02"R	
1980-01-05	09°ⅸ54'26"	13°ⅴ27'04"	03°ⅴ35'41"	15°≈54'49"	14°ⅴ32'13"	10°ⅴ06'46"R	27°ⅴ00'53"	24°ⅴ13'11"	21°ⅸ03'16"	21°Ⅴ39'17"	00°ⅴ01'19"R	
1980-01-06	22°ⅸ04'56"	14°ⅴ28'12"	05°ⅴ08'47"	17°≈08'38"	14°ⅴ40'01"	10°ⅴ04'56"R	27°ⅴ01'05"	24°ⅴ15'55"	21°ⅸ05'23"	21°Ⅴ39'59"	29°ⅸ58'53"R	
1980-01-07	04°ⅴ04'04"	15°ⅴ29'20"	06°ⅴ42'15"	18°≈22'25"	14°ⅴ47'11"	10°ⅴ02'53"R	27°ⅴ01'10"	24°ⅴ18'37"	21°ⅸ07'30"	21°Ⅴ40'39"	29°ⅸ58'29"	
1980-01-08	15°ⅴ55'22"	16°ⅴ30'29"	08°ⅴ16'06"	19°≈36'09"	14°ⅴ53'41"	10°ⅴ00'40"R	27°ⅴ01'08"R	24°ⅴ21'16"	21°ⅸ09'36"	21°Ⅴ41'17"	29°ⅸ59'32"	
1980-01-09	27°ⅴ43'12"	17°ⅴ31'37"	09°ⅴ50'21"	20°≈49'51"	14°ⅴ59'31"	09°ⅴ58'15"R	27°ⅴ01'00"R	24°ⅴ23'53"	21°ⅸ11'41"	21°Ⅴ41'53"	00°ⅴ01'12"	
1980-01-10	09°Ⅴ32'27"	18°ⅴ32'46"	11°ⅴ25'00"	22°≈03'30"	15°ⅴ04'41"	09°ⅴ55'38"R	27°ⅴ00'46"R	24°ⅴ26'27"	21°ⅸ13'46"	21°Ⅴ42'26"	00°ⅴ02'37"	
1980-01-11	21°Ⅴ28'20"	19°ⅴ33'55"	13°ⅴ00'04"	23°≈17'07"	15°ⅴ09'08"	09°ⅴ52'50"R	27°ⅴ00'25"R	24°ⅴ28'59"	21°ⅸ15'49"	21°Ⅴ42'58"	00°ⅴ02'58"R	
1980-01-12	03°ⅴ36'05"	20°ⅴ35'03"	14°ⅴ35'34"	24°≈30'41"	15°ⅴ12'54"	09°ⅴ49'51"R	26°ⅴ59'57"R	24°ⅴ31'29"	21°ⅸ17'52"	21°Ⅴ43'27"	00°ⅴ01'46"R	
1980-01-13	16°ⅴ00'33"	21°ⅴ36'12"	16°ⅴ11'31"	25°≈44'12"	15°ⅴ15'56"	09°ⅴ46'41"R	26°ⅴ59'22"R	24°ⅴ33'56"	21°ⅸ19'53"	21°Ⅴ43'54"	29°ⅸ58'50"R	
1980-01-14	28°ⅴ45'50"	22°ⅴ37'21"	17°ⅴ47'55"	26°≈57'41"	15°ⅴ18'15"	09°ⅴ43'20"R	26°ⅴ58'42"R	24°ⅴ36'21"	21°ⅸ21'54"	21°Ⅴ44'19"	29°ⅸ54'20"R	
1980-01-15	11°ⅸ54'46"	23°ⅴ38'29"	19°ⅴ24'48"	28°≈11'08"	15°ⅴ19'50"	09°ⅴ39'48"R	26°ⅴ57'54"R	24°ⅴ38'43"	21°ⅸ23'54"	21°Ⅴ44'42"	29°ⅸ48'46"R	
1980-01-16	25°ⅸ28'24"	24°ⅴ39'37"	21°ⅴ02'11"	29°≈24'31"	15°ⅴ20'39"	09°ⅴ36'05"R	26°ⅴ57'00"R	24°ⅴ41'02"	21°ⅸ25'53"	21°Ⅴ45'03"	29°ⅸ42'49"R	
1980-01-17	09°ⅴ25'34"	25°ⅴ40'46"	22°ⅴ40'04"	00°ⅸ37'51"	15°ⅴ20'44"R	09°ⅴ32'12"R	26°ⅴ56'00"R	24°ⅴ43'19"	21°ⅸ27'51"	21°Ⅴ45'21"	29°ⅸ37'13"R	
1980-01-18	23°ⅴ42'54"	26°ⅴ41'53"	24°ⅴ18'27"	01°ⅸ51'09"	15°ⅴ20'02"R	09°ⅴ28'07"R	26°ⅴ54'53"R	24°ⅴ45'34"	21°ⅸ29'48"	21°Ⅴ45'38"	29°ⅸ32'38"R	
1980-01-19	08°≈14'59"	27°ⅴ43'00"	25°ⅴ57'23"	03°ⅸ04'23"	15°ⅴ18'34"R	09°ⅴ23'53"R	26°ⅴ53'40"R	24°ⅴ47'45"	21°ⅸ31'43"	21°Ⅴ45'52"	29°ⅸ29'28"R	
1980-01-20	22°≈55'13"	28°ⅴ44'07"	27°ⅴ36'51"	04°ⅸ17'33"	15°ⅴ16'19"R	09°ⅴ19'28"R	26°ⅴ52'21"R	24°ⅴ49'54"	21°ⅸ33'38"	21°Ⅴ46'04"	29°ⅸ27'53"R	
1980-01-21	07°ⅸ36'47"	29°ⅴ45'12"	29°ⅴ16'52"	05°ⅸ30'40"	15°ⅴ13'18"R	09°ⅴ14'53"R	26°ⅴ50'55"R	24°ⅴ52'00"	21°ⅸ35'31"	21°Ⅴ46'14"	29°ⅸ27'43"	
1980-01-22	22°ⅸ13'30"	00°≈46'17"	00°≈57'27"	06°ⅸ43'44"	15°ⅴ09'29"R	09°ⅴ10'08"R	26°ⅴ49'22"R	24°ⅴ54'03"	21°ⅸ37'23"	21°Ⅴ46'21"	29°ⅸ28'34"	
1980-01-23	06°ⅴ40'34"	01°≈47'21"	02°≈38'35"	07°ⅸ56'43"	15°ⅴ04'52"R	09°ⅴ05'13"R	26°ⅴ47'44"R	24°ⅴ56'03"	21°ⅸ39'14"	21°Ⅴ46'27"	29°ⅸ29'50"	
1980-01-24	20°ⅴ54'44"	02°≈48'24"	04°≈20'18"	09°ⅸ09'39"	14°ⅴ59'28"R	09°ⅴ00'08"R	26°ⅴ45'59"R	24°ⅴ58'00"	21°ⅸ41'04"	21°Ⅴ46'30"	29°ⅸ30'55"	
1980-01-25	04°ⅸ54'13"	03°≈49'26"	06°≈02'35"	10°ⅸ22'30"	14°ⅴ53'16"R	08°ⅴ54'55"R	26°ⅴ44'08"R	24°ⅴ59'55"	21°ⅸ42'52"	21°Ⅴ46'31"R	29°ⅸ31'19"R	
1980-01-26	18°ⅸ38'22"	04°≈50'27"	07°≈45'25"	11°ⅸ35'18"	14°ⅴ46'17"R	08°ⅴ49'32"R	26°ⅴ42'12"R	25°ⅴ01'47"	21°ⅸ44'39"	21°Ⅴ46'30"R	29°ⅸ30'41"R	
1980-01-27	02°Ⅴ17'17"	05°≈51'27"	09°≈28'49"	12°ⅸ48'00"	14°ⅴ38'30"R	08°ⅴ44'00"R	26°ⅴ40'09"R	25°ⅴ03'35"	21°ⅸ46'25"	21°Ⅴ46'27"R	29°ⅸ28'56"R	
1980-01-28	15°Ⅱ21'31"	06°≈52'25"	11°≈12'44"	14°ⅸ00'39"	14°ⅴ29'56"R	08°ⅴ38'20"R	26°ⅴ38'01"R	25°ⅴ05'21"	21°ⅸ48'10"	21°Ⅴ46'21"R	29°ⅸ26'13"R	
1980-01-29	28°Ⅱ21'44"	07°≈53'23"	12°≈57'10"	15°ⅸ13'12"	14°ⅴ20'34"R	08°ⅴ32'31"R	26°ⅴ35'46"R	25°ⅴ07'04"	21°ⅸ49'53"	21°Ⅴ46'14"R	29°ⅸ22'54"R	
1980-01-30	11°Ⅴ08'39"	08°≈54'19"	14°≈42'05"	16°ⅸ25'41"	14°ⅴ10'25"R	08°ⅴ26'34"R	26°ⅴ33'26"R	25°ⅴ08'44"	21°ⅸ51'35"	21°Ⅴ46'04"R	29°ⅸ19'27"R	
1980-01-31	23°Ⅴ42'57"	09°≈55'15"	16°≈27'25"	17°ⅸ38'05"	13°ⅴ59'30"R	08°ⅴ20'29"R	26°ⅴ31'00"R	25°ⅴ10'21"	21°ⅸ53'15"	21°Ⅴ45'53"R	29°ⅸ16'22"R	
1980-02-01	06°ⅸ05'25"	10°≈56'09"	18°≈13'07"	18°ⅸ50'24"	13°ⅴ47'47"R	08°ⅴ14'16"R	26°ⅴ28'29"R	25°ⅴ11'55"	21°ⅸ54'54"	21°Ⅴ45'39"R	29°ⅸ14'03"R	
1980-02-02	18°ⅸ17'04"	11°≈57'02"	19°≈59'07"	20°ⅸ02'37"	13°ⅴ35'18"R	08°ⅴ07'55"R	26°ⅴ25'52"R	25°ⅴ13'26"	21°ⅸ56'32"	21°Ⅴ45'23"R	29°ⅸ12'44"R	
1980-02-03	00°ⅴ19'20"	12°≈57'54"	21°≈45'19"	21°ⅸ14'46"	13°ⅴ22'04"R	08°ⅴ01'28"R	26°ⅴ23'09"R	25°ⅴ14'54"	21°ⅸ58'08"	21°Ⅴ45'05"R	29°ⅸ12'30"R	
1980-02-04	12°ⅴ14'08"	13°≈58'46"	23°≈31'36"	22°ⅸ26'49"	13°ⅴ08'04"R	07°ⅴ54'52"R	26°ⅴ20'21"R	25°ⅴ16'18"	21°ⅸ59'42"	21°Ⅴ44'45"R	29°ⅸ13'12"	
1980-02-05	24°ⅴ03'56"	14°≈59'36"	25°≈17'50"	23°ⅸ38'47"	12°ⅴ53'21"R	07°ⅴ48'11"R	26°ⅴ17'28"R	25°ⅴ17'40"	22°ⅸ01'15"	21°Ⅴ44'23"R	29°ⅸ14'32"	
1980-02-06	05°Ⅴ51'50"	16°≈00'25"	27°≈03'51"	24°ⅸ50'40"	12°ⅴ37'53"R	07°ⅴ41'22"R	26°ⅴ14'29"R	25°ⅴ18'58"	22°ⅸ02'47"	21°Ⅴ43'58"R	29°ⅸ16'10"	
1980-02-07	17°Ⅴ41'58"	17°≈01'13"	28°≈49'27"	26°ⅸ02'26"	12°ⅴ21'43"R	07°ⅴ34'27"R	26°ⅴ11'26"R	25°ⅴ20'13"	22°ⅸ04'17"	21°Ⅴ43'32"R	29°ⅸ17'41"	
1980-02-08	29°Ⅴ36'59"	18°≈02'01"	00°ⅸ34'24"	27°ⅸ14'08"	12°ⅴ04'52"R	07°ⅴ27'27"R	26°ⅴ08'17"R	25°ⅴ21'25"	22°ⅸ05'45"	21°Ⅴ43'04"R	29°ⅸ18'49"	
1980-02-09	11°ⅴ42'53"	19°≈02'47"	02°ⅸ18'25"	28°ⅸ25'43"	11°ⅴ47'20"R	07°ⅴ20'20"R	26°ⅴ05'03"R	25°ⅴ22'34"	22°ⅸ07'12"	21°Ⅴ42'34"R	29°ⅸ19'24"	
1980-02-10	24°ⅴ03'49"	20°≈03'32"	04°ⅸ01'11"	29°ⅸ37'13"	11°ⅴ29'09"R	07°ⅴ13'08"R	26°ⅴ01'45"R	25°ⅴ23'40"	22°ⅸ08'37"	21°Ⅴ42'01"R	29°ⅸ19'23"R	
1980-02-11	06°ⅸ44'16"	21°≈04'17"	05°ⅸ42'21"	00°ⅴ48'36"	11°ⅴ10'21"R	07°ⅴ05'51"R	25°ⅴ58'22"R	25°ⅴ24'43"	22°ⅸ10'00"	21°Ⅴ41'27"R	29°ⅸ18'52"R	
1980-02-12	19°ⅸ48'02"	22°≈05'00"	07°ⅸ21'28"	01°ⅴ59'54"	10°ⅴ50'57"R	06°ⅴ58'30"R	25°ⅴ54'54"R	25°ⅴ25'42"	22°ⅸ11'22"	21°Ⅴ40'51"R	29°ⅸ18'02"R	
1980-02-13	03°ⅴ17'50"	23°≈05'42"	08°ⅸ58'06"	03°ⅴ11'05"	10°ⅴ30'58"R	06°ⅴ51'03"R	25°ⅴ51'21"R	25°ⅴ26'39"	22°ⅸ12'43"	21°Ⅴ40'13"R	29°ⅸ17'06"R	
1980-02-14	17°ⅴ14'31"	24°≈06'23"	10°ⅸ31'42"	04°ⅴ22'10"	10°ⅴ10'28"R	06°ⅴ43'33"R	25°ⅴ47'45"R	25°ⅴ27'32"	22°ⅸ14'01"	21°Ⅴ39'33"R	29°ⅸ16'17"R	
1980-02-15	01°≈36'40"	25°≈07'03"	12°ⅸ01'42"	05°ⅴ33'09"	09°ⅴ49'27"R	06°ⅴ35'59"R	25°ⅴ44'03"R	25°ⅴ28'21"	22°ⅸ15'18"	21°Ⅴ38'51"R	29°ⅸ15'42"R	
1980-02-16	16°≈20'10"	26°≈07'42"	13°ⅸ27'29"	06°ⅴ44'01"	09°ⅴ27'58"R	06°ⅴ28'21"R	25°ⅴ40'18"R	25°ⅴ29'08"	22°ⅸ16'33"	21°Ⅴ38'07"R	29°ⅸ15'23"R	
1980-02-17	01°ⅸ18'26"	27°≈08'19"	14°ⅸ48'24"	07°ⅴ54'46"	09°ⅴ06'03"R	06°ⅴ20'40"R	25°ⅴ36'28"R	25°ⅴ29'51"	22°ⅸ17'46"	21°Ⅴ37'21"R	29°ⅸ15'20"	
1980-02-18	16°ⅸ23'06"	28°≈08'55"	16°ⅸ03'47"	09°ⅴ05'23"	08°ⅴ43'44"R	06°ⅴ12'56"R	25°ⅴ32'35"R	25°ⅴ30'30"	22°ⅸ18'58"	21°Ⅴ36'33"R	29°ⅸ15'25"	
1980-02-19	01°ⅴ25'15"	29°≈09'29"	17°ⅸ12'54"	10°ⅴ15'53"	08°ⅴ21'05"R	06°ⅴ05'09"R	25°ⅴ28'38"R	25°ⅴ31'07"	22°ⅸ20'07"	21°Ⅴ35'43"R	29°ⅸ15'32"	
1980-02-20	16°ⅴ16'38"	00°ⅸ10'01"	18°ⅸ15'06"	11°ⅴ26'16"	07°ⅴ58'07"R	05°ⅴ57'21"R	25°ⅴ24'37"R	25°ⅴ31'40"	22°ⅸ21'15"	21°Ⅴ34'52"R	29°ⅸ15'34"R	
1980-02-21	00°ⅸ50'44"	01°ⅸ10'31"	19°ⅸ09'41"	12°ⅴ36'31"	07°ⅴ34'54"R	05°ⅴ49'31"R	25°ⅴ20'32"R	25°ⅴ32'10"	22°ⅸ22'21"	21°Ⅴ33'58"R	29°ⅸ15'30"R	
1980-02-22	15°ⅸ03'24"	02°ⅸ11'00"	19°ⅸ56'03"	13°ⅴ46'38"	07°ⅴ11'28"R	05°ⅴ41'39"R	25°ⅴ16'24"R	25°ⅴ32'36"	22°ⅸ23'25"	21°Ⅴ33'03"R	29°ⅸ15'21"R	

Jan 01, 1980 00:00 AM CCT

Date	♈ Geo Lon	♉ Geo Lon	♊ Geo Lon	♋ Geo Lon	♌ Geo Lon	♍ Geo Lon	♎ Geo Lon	♏ Geo Lon	♐ Geo Lon	♑ Geo Lon	♒ Geo Lon	♓ Geo Lon
1980-02-23	28°♁52'48"	03°♁11'27"	20°♁33'38"	14°♁56'36"	06°♁47'52" R	05°♁33'47" R	25°♁12'13" R	25°♁33'00"	22°♁24'27"	21°♁32'07" R	29°♁15'11" R	
1980-02-24	12°♁19'10"	04°♁11'52"	21°♁01'57"	16°♁06'26"	06°♁24'08" R	05°♁25'54" R	25°♁07'59" R	25°♁33'20"	22°♁25'28"	21°♁31'08" R	29°♁15'07"	
1980-02-25	25°♁24'12"	05°♁12'15"	21°♁20'39"	17°♁16'07"	06°♁00'20" R	05°♁18'00" R	25°♁03'42" R	25°♁33'37"	22°♁26'27"	21°♁30'08" R	29°♁15'17"	
1980-02-26	08°♁10'25"	06°♁12'36"	21°♁29'32"	18°♁25'39"	05°♁36'30" R	05°♁10'07" R	24°♁59'23" R	25°♁33'50"	22°♁27'23"	21°♁29'07" R	29°♁15'42"	
1980-02-27	20°♁40'45"	07°♁12'55"	21°♁28'32" R	19°♁35'02"	05°♁12'40" R	05°♁02'14" R	24°♁55'00" R	25°♁34'00"	22°♁28'18"	21°♁28'03" R	29°♁16'22"	
1980-02-28	02°♁58'07"	08°♁13'12"	21°♁17'46" R	20°♁44'15"	04°♁48'54" R	04°♁54'22" R	24°♁50'35" R	25°♁34'07"	22°♁29'11"	21°♁26'58" R	29°♁17'10"	
1980-02-29	15°♁05'13"	09°♁13'27"	20°♁57'35" R	21°♁53'18"	04°♁25'13" R	04°♁46'31" R	24°♁46'08" R	25°♁34'11"	22°♁30'02"	21°♁25'52" R	29°♁17'54"	
1980-03-01	27°♁04'31"	10°♁13'40"	20°♁28'31" R	23°♁02'11"	04°♁01'41" R	04°♁38'41" R	24°♁41'38" R	25°♁34'11" R	22°♁30'51"	21°♁24'44" R	29°♁18'21"	
1980-03-02	08°♁58'15"	11°♁13'52"	19°♁51'18" R	24°♁10'54"	03°♁38'21" R	04°♁30'53" R	24°♁37'06" R	25°♁34'08" R	22°♁31'38"	21°♁23'34" R	29°♁18'17" R	
1980-03-03	20°♁48'31"	12°♁14'01"	19°♁06'54" R	25°♁19'27"	03°♁15'13" R	04°♁23'06" R	24°♁32'33" R	25°♁34'02" R	22°♁32'24"	21°♁22'23" R	29°♁17'34" R	
1980-03-04	02°♁37'22"	13°♁14'09"	18°♁16'28" R	26°♁27'49"	02°♁52'22" R	04°♁15'22" R	24°♁27'57" R	25°♁33'53" R	22°♁33'07"	21°♁21'10" R	29°♁16'09" R	
1980-03-05	14°♁26'57"	14°♁14'15"	17°♁21'17" R	27°♁36'00"	02°♁29'50" R	04°♁07'41" R	24°♁23'20" R	25°♁33'40" R	22°♁33'48"	21°♁19'56" R	29°♁14'10" R	
1980-03-06	26°♁19'39"	15°♁14'20"	16°♁22'44" R	28°♁44'00"	02°♁07'38" R	04°♁00'03" R	24°♁18'41" R	25°♁33'24" R	22°♁34'27"	21°♁18'41" R	29°♁11'50" R	
1980-03-07	08°♁18'15"	16°♁14'22"	15°♁22'15" R	29°♁51'49"	01°♁45'49" R	03°♁52'28" R	24°♁14'01" R	25°♁33'05" R	22°♁35'05"	21°♁17'24" R	29°♁09'28" R	
1980-03-08	20°♁25'54"	17°♁14'23"	14°♁21'18" R	00°♁59'26"	01°♁24'26" R	03°♁44'57" R	24°♁09'20" R	25°♁32'43" R	22°♁35'40"	21°♁16'06" R	29°♁07'26" R	
1980-03-09	02°♁46'12"	18°♁14'23"	13°♁21'15" R	02°♁06'52"	01°♁03'30" R	03°♁37'29" R	24°♁04'38" R	25°♁32'18" R	22°♁36'13"	21°♁14'47" R	29°♁06'01" R	
1980-03-10	15°♁22'55"	19°♁14'21"	12°♁23'22" R	03°♁14'05"	00°♁43'04" R	03°♁30'06" R	23°♁59'55" R	25°♁31'49" R	22°♁36'45"	21°♁13'26" R	29°♁05'26" R	
1980-03-11	28°♁19'48"	20°♁14'17"	11°♁28'45" R	04°♁21'06"	00°♁23'08" R	03°♁22'48" R	23°♁55'11" R	25°♁31'18" R	22°♁37'14"	21°♁12'04" R	29°♁05'39"	
1980-03-12	11°♁40'14"	21°♁14'12"	10°♁38'23" R	05°♁27'55"	00°♁03'47" R	03°♁15'34" R	23°♁50'27" R	25°♁30'43" R	22°♁37'42"	21°♁10'41" R	29°♁06'30"	
1980-03-13	25°♁26'38"	22°♁14'05"	09°♁52'59" R	06°♁34'31"	29°♁45'00" R	03°♁08'26" R	23°♁45'42" R	25°♁30'05" R	22°♁38'07"	21°♁09'17" R	29°♁07'39"	
1980-03-14	09°♁39'45"	23°♁13'56"	09°♁31'11" R	07°♁40'54"	29°♁26'50" R	03°♁01'23" R	23°♁40'57" R	25°♁29'24" R	22°♁38'30"	21°♁07'52" R	29°♁08'39"	
1980-03-15	24°♁17'57"	24°♁13'45"	08°♁39'21" R	08°♁47'03"	29°♁09'18" R	02°♁54'25" R	23°♁36'12" R	25°♁28'40" R	22°♁38'52"	21°♁06'25" R	29°♁09'04" R	
1980-03-16	09°♁16'40"	25°♁13'33"	08°♁11'45" R	09°♁52'58"	28°♁52'26" R	02°♁47'34" R	23°♁31'27" R	25°♁27'53" R	22°♁39'11"	21°♁04'58" R	29°♁08'30" R	
1980-03-17	24°♁28'26"	26°♁13'19"	07°♁50'30" R	10°♁58'40"	28°♁36'14" R	02°♁40'49" R	23°♁26'42" R	25°♁27'03" R	22°♁39'28"	21°♁03'29" R	29°♁06'47" R	
1980-03-18	09°♁43'43"	27°♁13'02"	07°♁35'37" R	12°♁04'06"	28°♁20'46" R	02°♁34'11" R	23°♁21'57" R	25°♁26'09" R	22°♁39'43"	21°♁01'59" R	29°♁03'57" R	
1980-03-19	24°♁52'10"	28°♁12'44"	07°♁27'00" R	13°♁09'17"	28°♁06'00" R	02°♁27'39" R	23°♁17'13" R	25°♁25'13" R	22°♁39'56"	21°♁00'29" R	29°♁00'18" R	
1980-03-20	09°♁44'25"	29°♁12'24"	07°♁24'30"	14°♁14'13"	27°♁51'59" R	02°♁21'15" R	23°♁12'30" R	25°♁24'14" R	22°♁40'08"	20°♁58'57" R	28°♁56'15" R	
1980-03-21	24°♁13'20"	00°♁12'01"	07°♁27'55"	15°♁18'53"	27°♁38'44" R	02°♁14'58" R	23°♁07'48" R	25°♁23'12" R	22°♁40'17"	20°♁57'25" R	28°♁52'25" R	
1980-03-22	08°♁14'52"	01°♁11'36"	07°♁37'02"	16°♁23'16"	27°♁26'14" R	02°♁08'49" R	23°♁03'06" R	25°♁22'07" R	22°♁40'24"	20°♁55'52" R	28°♁49'19" R	
1980-03-23	21°♁48'03"	02°♁11'09"	07°♁51'34"	17°♁27'22"	27°♁14'31" R	02°♁02'48" R	22°♁58'27" R	25°♁20'59" R	22°♁40'29"	20°♁54'18" R	28°♁47'23" R	
1980-03-24	04°♁54'23"	03°♁10'39"	08°♁11'16"	18°♁31'10"	27°♁03'34" R	01°♁56'55" R	22°♁53'48" R	25°♁19'49" R	22°♁40'32"	20°♁52'43" R	28°♁46'49" R	
1980-03-25	17°♁37'11"	04°♁10'08"	08°♁35'52"	19°♁34'40"	26°♁53'25" R	01°♁51'10" R	22°♁49'11" R	25°♁18'35" R	22°♁40'33" R	20°♁51'08" R	28°♁47'29"	
1980-03-26	00°♁00'39"	05°♁09'33"	09°♁05'06"	20°♁37'50"	26°♁44'02" R	01°♁45'34" R	22°♁44'36" R	25°♁17'19" R	22°♁40'32" R	20°♁49'32" R	28°♁49'00"	
1980-03-27	12°♁09'15"	06°♁08'57"	09°♁38'42"	21°♁40'42"	26°♁35'27" R	01°♁40'07" R	22°♁40'02" R	25°♁16'00" R	22°♁40'30" R	20°♁47'55" R	28°♁45'42"	
1980-03-28	24°♁07'21"	07°♁08'18"	10°♁16'25"	22°♁43'13"	26°♁27'40" R	01°♁34'48" R	22°♁35'30" R	25°♁14'39" R	22°♁40'25" R	20°♁46'18" R	28°♁51'51"	
1980-03-29	05°♁58'54"	08°♁07'37"	10°♁58'02"	23°♁45'23"	26°♁20'39" R	01°♁29'39" R	22°♁31'01" R	25°♁13'15" R	22°♁40'18" R	20°♁44'40" R	28°♁51'42" R	
1980-03-30	17°♁47'20"	09°♁06'54"	11°♁43'19"	24°♁47'13"	26°♁14'25" R	01°♁24'38" R	22°♁26'33" R	25°♁11'48" R	22°♁40'09" R	20°♁43'02" R	28°♁49'42" R	
1980-03-31	29°♁35'30"	10°♁06'09"	12°♁32'04"	25°♁48'40"	26°♁08'59" R	01°♁19'47" R	22°♁22'08" R	25°♁10'18" R	22°♁39'58" R	20°♁41'23" R	28°♁45'35" R	
1980-04-01	11°♁25'43"	11°♁05'21"	13°♁24'05"	26°♁49'45"	26°♁04'18" R	01°♁15'05" R	22°♁17'46" R	25°♁08'47" R	22°♁39'45" R	20°♁39'44" R	28°♁39'26" R	
1980-04-02	23°♁19'51"	12°♁04'32"	14°♁19'13"	27°♁50'27"	26°♁00'25" R	01°♁10'34" R	22°♁13'26" R	25°♁07'12" R	22°♁39'30" R	20°♁38'04" R	28°♁31'43" R	
1980-04-03	05°♁19'29"	13°♁03'40"	15°♁17'16"	28°♁50'45"	25°♁57'17" R	01°♁06'11" R	22°♁09'09" R	25°♁05'35" R	22°♁39'14" R	20°♁36'24" R	28°♁23'09" R	
1980-04-04	17°♁26'13"	14°♁02'47"	16°♁18'06"	29°♁50'38"	25°♁54'54" R	01°♁01'59" R	22°♁04'54" R	25°♁03'56" R	22°♁38'55" R	20°♁34'44" R	28°♁14'39" R	
1980-04-05	29°♁41'46"	15°♁01'51"	17°♁21'35"	00°♁50'06"	25°♁53'17" R	00°♁57'57" R	22°♁00'43" R	25°♁02'15" R	22°♁38'35" R	20°♁33'03" R	28°♁07'05" R	
1980-04-06	12°♁08'13"	16°♁00'54"	18°♁27'36"	01°♁49'09"	25°♁52'25" R	00°♁54'05" R	21°♁56'35" R	25°♁00'31" R	22°♁38'12" R	20°♁31'23" R	28°♁01'11" R	
1980-04-07	24°♁47'57"	16°♁09'55"	19°♁36'02"	02°♁47'44"	25°♁52'17" R	00°♁50'24" R	21°♁52'31" R	24°♁58'45" R	22°♁37'48" R	20°♁29'42" R	27°♁57'18" R	
1980-04-08	07°♁43'43"	17°♁08'55"	20°♁46'46"	03°♁45'52"	25°♁52'52" R	00°♁46'52" R	21°♁48'29" R	24°♁56'57" R	22°♁37'22" R	20°♁28'01" R	27°♁55'27" R	
1980-04-09	20°♁58'21"	18°♁07'52"	21°♁59'44"	04°♁43'32"	25°♁54'11" R	00°♁43'32" R	21°♁44'32" R	24°♁55'07" R	22°♁36'54" R	20°♁26'19" R	27°♁55'11"	
1980-04-10	04°♁34'31"	19°♁06'48"	23°♁14'50"	05°♁40'43"	25°♁56'13" R	00°♁40'21" R	21°♁40'37" R	24°♁53'14" R	22°♁36'24" R	20°♁24'38" R	27°♁55'47"	
1980-04-11	18°♁34'04"	20°♁05'42"	24°♁32'00"	06°♁37'23"	25°♁58'57" R	00°♁37'22" R	21°♁36'47" R	24°♁51'19" R	22°♁35'52" R	20°♁22'57" R	27°♁56'19"	
1980-04-12	02°♁57'18"	21°♁05'35"	25°♁51'10"	07°♁33'32"	26°♁02'22" R	00°♁34'33" R	21°♁33'00" R	24°♁49'23" R	22°♁35'19" R	20°♁21'15" R	27°♁55'53" R	
1980-04-13	17°♁42'06"	22°♁05'25"	27°♁12'16"	08°♁29'10"	26°♁06'29" R	00°♁31'55" R	21°♁29'18" R	24°♁47'24" R	22°♁34'43" R	20°♁19'34" R	27°♁53'44" R	
1980-04-14	02°♁43'24"	23°♁05'14"	28°♁35'16"	09°♁24'14"	26°♁11'17" R	00°♁29'27" R	21°♁25'39" R	24°♁45'23" R	22°♁34'06" R	20°♁17'53" R	27°♁49'28" R	
1980-04-15	17°♁53'15"	24°♁05'01"	00°♁00'07"	10°♁18'43"	26°♁16'45" R	00°♁27'11" R	21°♁22'05" R	24°♁43'21" R	22°♁33'27" R	20°♁16'11" R	27°♁43'08" R	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon
1980-04-16	03°♁01'50"	25°♁49'46"	01°♁26'46"	11°♁12'38"	26°♁22'52"	00°♁25'06" R _x	21°♁18'35" R _x	24°♁41'16" R _x	22°♁32'46" R _x	20°♁14'30" R _x	27°♁35'11" R _x
1980-04-17	17°♁58'55"	26°♁48'29"	02°♁55'13"	12°♁05'55"	26°♁29'38"	00°♁23'12" R _x	21°♁15'10" R _x	24°♁39'10" R _x	22°♁32'03" R _x	20°♁12'50" R _x	27°♁26'23" R _x
1980-04-18	02°♁35'40"	27°♁47'10"	04°♁25'25"	12°♁58'34"	26°♁37'03"	00°♁21'29" R _x	21°♁11'49" R _x	24°♁37'02" R _x	22°♁31'19" R _x	20°♁11'09" R _x	27°♁17'44" R _x
1980-04-19	16°♁45'55"	28°♁45'49"	05°♁57'21"	13°♁50'33"	26°♁45'06"	00°♁19'58" R _x	21°♁08'33" R _x	24°♁34'53" R _x	22°♁30'33" R _x	20°♁09'29" R _x	27°♁10'10" R _x
1980-04-20	00°♁26'54"	29°♁44'26"	07°♁31'00"	14°♁41'50"	26°♁53'45"	00°♁18'38" R _x	21°♁05'22" R _x	24°♁32'42" R _x	22°♁29'46" R _x	20°♁07'49" R _x	27°♁04'26" R _x
1980-04-21	13°♁38'55"	00°♁43'00"	09°♁06'23"	15°♁32'25"	27°♁03'01"	00°♁17'29" R _x	21°♁02'15" R _x	24°♁30'29" R _x	22°♁28'56" R _x	20°♁06'10" R _x	27°♁00'53" R _x
1980-04-22	26°♁24'44"	01°♁41'33"	10°♁43'27"	16°♁22'14"	27°♁12'52"	00°♁16'31" R _x	20°♁59'14" R _x	24°♁28'16" R _x	22°♁28'05" R _x	20°♁04'31" R _x	26°♁59'25" R _x
1980-04-23	08°♁48'43"	02°♁40'03"	12°♁22'14"	17°♁11'17"	27°♁23'18"	00°♁15'44" R _x	20°♁56'17" R _x	24°♁26'00" R _x	22°♁27'13" R _x	20°♁02'52" R _x	26°♁59'28" R _x
1980-04-24	20°♁55'56"	03°♁38'31"	14°♁02'43"	17°♁59'32"	27°♁34'18"	00°♁15'08" R _x	20°♁53'26" R _x	24°♁23'43" R _x	22°♁26'18" R _x	20°♁01'14" R _x	27°♁00'08" R _x
1980-04-25	02°♁51'41"	04°♁36'56"	15°♁44'55"	18°♁46'57"	27°♁45'51"	00°♁14'44" R _x	20°♁50'39" R _x	24°♁21'25" R _x	22°♁25'23" R _x	19°♁59'37" R _x	27°♁00'17" R _x
1980-04-26	14°♁40'59"	05°♁35'20"	17°♁28'49"	19°♁33'29"	27°♁57'56"	00°♁14'31" R _x	20°♁47'58" R _x	24°♁19'06" R _x	22°♁24'25" R _x	19°♁58'00" R _x	26°♁58'49" R _x
1980-04-27	26°♁28'23"	06°♁33'42"	19°♁14'27"	20°♁19'07"	28°♁10'34"	00°♁14'28" R _x	20°♁45'22" R _x	24°♁16'45" R _x	22°♁23'26" R _x	19°♁56'23" R _x	26°♁54'53" R _x
1980-04-28	08°♁17'40"	07°♁32'01"	21°♁01'48"	21°♁03'50"	28°♁23'42"	00°♁14'37" R _x	20°♁42'52" R _x	24°♁14'24" R _x	22°♁22'26" R _x	19°♁54'48" R _x	26°♁48'03" R _x
1980-04-29	20°♁11'51"	08°♁30'19"	22°♁50'54"	21°♁47'34"	28°♁37'21"	00°♁14'57" R _x	20°♁40'27" R _x	24°♁12'01" R _x	22°♁21'24" R _x	19°♁53'13" R _x	26°♁38'22" R _x
1980-04-30	02°♁13'07"	09°♁28'35"	24°♁41'44"	22°♁30'17"	28°♁51'30"	00°♁15'28" R _x	20°♁38'07" R _x	24°♁09'38" R _x	22°♁20'20" R _x	19°♁51'38" R _x	26°♁26'26" R _x
1980-05-01	14°♁22'55"	10°♁26'49"	26°♁34'18"	23°♁11'58"	29°♁06'09"	00°♁16'10" R _x	20°♁35'53" R _x	24°♁07'13" R _x	22°♁19'15" R _x	19°♁50'05" R _x	26°♁13'14" R _x
1980-05-02	26°♁42'10"	11°♁25'01"	28°♁28'37"	23°♁52'34"	29°♁21'16"	00°♁17'03" R _x	20°♁33'45" R _x	24°♁04'48" R _x	22°♁18'09" R _x	19°♁48'32" R _x	26°♁00'00" R _x
1980-05-03	09°♁11'31"	12°♁23'11"	00°♁24'41"	24°♁32'02"	29°♁36'50"	00°♁18'07" R _x	20°♁31'42" R _x	24°♁02'21" R _x	22°♁17'02" R _x	19°♁47'00" R _x	25°♁47'56" R _x
1980-05-04	21°♁51'31"	13°♁21'21"	02°♁22'27"	25°♁10'21"	29°♁52'53"	00°♁19'22" R _x	20°♁29'45" R _x	23°♁59'55" R _x	22°♁15'53" R _x	19°♁45'29" R _x	25°♁38'03" R _x
1980-05-05	04°♁42'58"	14°♁19'28"	04°♁21'55"	25°♁47'26"	00°♁09'22"	00°♁20'47" R _x	20°♁27'54" R _x	23°♁57'27" R _x	22°♁14'43" R _x	19°♁43'59" R _x	25°♁30'57" R _x
1980-05-06	17°♁546'59"	15°♁8'17'34"	06°♁23'02"	26°♁2'17"	00°♁26'18"	00°♁22'24" R _x	20°♁26'09" R _x	23°♁54'59" R _x	22°♁13'31" R _x	19°♁42'30" R _x	25°♁26'41" R _x
1980-05-07	01°♁05'05"	16°♁15'39"	08°♁25'45"	26°♁57'50"	00°♁43'39"	00°♁24'11" R _x	20°♁24'29" R _x	23°♁52'30" R _x	22°♁12'18" R _x	19°♁41'02" R _x	25°♁24'47" R _x
1980-05-08	14°♁38'58"	17°♁13'42"	10°♁30'00"	27°♁31'01"	01°♁01'26"	00°♁26'09" R _x	20°♁22'55" R _x	23°♁50'01" R _x	22°♁11'04" R _x	19°♁39'34" R _x	25°♁24'22" R _x
1980-05-09	28°♁30'14"	18°♁11'44"	12°♁35'42"	28°♁02'49"	01°♁19'38"	00°♁28'17" R _x	20°♁21'27" R _x	23°♁47'31" R _x	22°♁09'49" R _x	19°♁38'08" R _x	25°♁24'15" R _x
1980-05-10	12°♁39'41"	19°♁09'44"	14°♁42'42"	28°♁33'10"	01°♁38'14"	00°♁30'36" R _x	20°♁20'05" R _x	23°♁45'01" R _x	22°♁08'32" R _x	19°♁36'43" R _x	25°♁23'15" R _x
1980-05-11	27°♁06'36"	20°♁07'44"	16°♁50'54"	29°♁02'01"	01°♁57'14"	00°♁33'05" R _x	20°♁18'49" R _x	23°♁42'30" R _x	22°♁07'14" R _x	19°♁35'19" R _x	25°♁20'23" R _x
1980-05-12	11°♁48'03"	21°♁05'41"	19°♁00'07"	29°♁29'18"	02°♁16'37"	00°♁35'45" R _x	20°♁17'39" R _x	23°♁40'00" R _x	22°♁05'55" R _x	19°♁33'56" R _x	25°♁15'04" R _x
1980-05-13	26°♁38'37"	22°♁03'38"	21°♁8'10'09"	29°♁54'59"	02°♁36'24"	00°♁38'35" R _x	20°♁16'35" R _x	23°♁37'29" R _x	22°♁04'35" R _x	19°♁32'34" R _x	25°♁07'13" R _x
1980-05-14	11°♁30'46"	23°♁01'33"	23°♁20'48"	00°♁19'00"	02°♁56'34"	00°♁41'36" R _x	20°♁15'38" R _x	23°♁34'58" R _x	22°♁03'14" R _x	19°♁31'13" R _x	24°♁57'17" R _x
1980-05-15	26°♁15'48"	23°♁59'27"	25°♁31'50"	00°♁41'16"	03°♁17'06"	00°♁44'47" R _x	20°♁14'46" R _x	23°♁32'27" R _x	22°♁01'52" R _x	19°♁29'54" R _x	24°♁46'08" R _x
1980-05-16	10°♁45'23"	24°♁57'19"	27°♁42'59"	01°♁01'46"	03°♁38'00"	00°♁48'08" R _x	20°♁14'01" R _x	23°♁29'56" R _x	22°♁00'29" R _x	19°♁28'36" R _x	24°♁34'54" R _x
1980-05-17	24°♁52'52"	25°♁55'10"	29°♁53'58"	01°♁20'23"	03°♁59'15"	00°♁51'40" R _x	20°♁13'22" R _x	23°♁27'25" R _x	21°♁59'05" R _x	19°♁27'19" R _x	24°♁24'44" R _x
1980-05-18	08°♁34'17"	26°♁52'59"	02°♁04'30"	01°♁37'05"	04°♁20'52"	00°♁55'21" R _x	20°♁12'49" R _x	23°♁24'54" R _x	21°♁57'40" R _x	19°♁26'03" R _x	24°♁16'33" R _x
1980-05-19	21°♁48'35"	27°♁50'47"	04°♁14'19"	01°♁51'49"	04°♁42'49"	00°♁59'13" R _x	20°♁12'22" R _x	23°♁22'24" R _x	21°♁56'14" R _x	19°♁24'49" R _x	24°♁10'55" R _x
1980-05-20	04°♁37'19"	28°♁48'33"	06°♁23'08"	02°♁04'29"	05°♁05'05"	01°♁03'14" R _x	20°♁12'01" R _x	23°♁19'53" R _x	21°♁54'48" R _x	19°♁23'37" R _x	24°♁07'51" R _x
1980-05-21	17°♁03'58"	29°♁46'17"	08°♁30'41"	02°♁15'03"	05°♁27'42"	01°♁07'25" R _x	20°♁11'47" R _x	23°♁17'24" R _x	21°♁53'20" R _x	19°♁22'25" R _x	24°♁06'51" R _x
1980-05-22	29°♁13'14"	00°♁44'00"	10°♁36'42"	02°♁23'27"	05°♁50'38"	01°♁11'46" R _x	20°♁11'39" R _x	23°♁14'54" R _x	21°♁51'52" R _x	19°♁21'15" R _x	24°♁06'59" R _x
1980-05-23	11°♁10'23"	01°♁41'41"	12°♁40'59"	02°♁29'37"	06°♁13'52"	01°♁16'16" R _x	20°♁11'37" R _x	23°♁12'25" R _x	21°♁50'22" R _x	19°♁20'07" R _x	24°♁07'04" R _x
1980-05-24	23°♁00'52"	02°♁39'20"	14°♁43'17"	02°♁33'32"	06°♁37'25"	01°♁20'56" R _x	20°♁11'41" R _x	23°♁09'56" R _x	21°♁48'52" R _x	19°♁19'00" R _x	24°♁05'34" R _x
1980-05-25	04°♁49'52"	03°♁36'58"	16°♁43'28"	02°♁35'07"	07°♁01'15"	01°♁25'45" R _x	20°♁11'51" R _x	23°♁07'29" R _x	21°♁47'22" R _x	19°♁17'54" R _x	24°♁02'31" R _x
1980-05-26	16°♁42'00"	04°♁34'35"	18°♁41'21"	02°♁34'20" R _x	07°♁25'23"	01°♁30'43" R _x	20°♁12'08" R _x	23°♁05'01" R _x	21°♁45'50" R _x	19°♁16'50" R _x	23°♁56'19" R _x
1980-05-27	28°♁41'08"	05°♁32'10"	20°♁36'48"	02°♁31'10" R _x	07°♁49'48"	01°♁35'50" R _x	20°♁12'30" R _x	23°♁02'35" R _x	21°♁44'18" R _x	19°♁15'48" R _x	23°♁47'16" R _x
1980-05-28	10°♁50'09"	06°♁29'44"	22°♁29'43"	02°♁25'35" R _x	08°♁14'30"	01°♁41'07" R _x	20°♁12'59" R _x	23°♁00'09" R _x	21°♁42'46" R _x	19°♁14'47" R _x	23°♁35'51" R _x
1980-05-29	23°♁10'58"	07°♁27'17"	24°♁20'01"	02°♁17'34" R _x	08°♁39'29"	01°♁46'33" R _x	20°♁13'35" R _x	22°♁57'44" R _x	21°♁41'13" R _x	19°♁13'48" R _x	23°♁23'00" R _x
1980-05-30	05°♁44'34"	08°♁24'48"	26°♁07'38"	02°♁07'07" R _x	09°♁04'43"	01°♁52'07" R _x	20°♁14'16" R _x	22°♁55'21" R _x	21°♁39'39" R _x	19°♁12'50" R _x	23°♁09'56" R _x
1980-05-31	18°♁31'04"	09°♁22'18"	27°♁52'29"	01°♁54'15" R _x	09°♁30'14"	01°♁57'50" R _x	20°♁15'03" R _x	22°♁52'58" R _x	21°♁38'05" R _x	19°♁11'54" R _x	22°♁05'52" R _x
1980-06-01	01°♁30'01"	10°♁19'48"	29°♁34'33"	01°♁38'59" R _x	09°♁56'00"	02°♁03'42" R _x	20°♁15'57" R _x	22°♁50'36" R _x	21°♁36'31" R _x	19°♁11'00" R _x	22°♁47'53" R _x
1980-06-02	14°♁40'40"	11°♁17'16"	01°♁13'47"	01°♁21'20" R _x	10°♁22'01"	02°♁09'43" R _x	20°♁16'57" R _x	22°♁48'15" R _x	21°♁34'56" R _x	19°♁10'08" R _x	22°♁40'37" R _x
1980-06-03	28°♁02'18"	12°♁14'44"	02°♁50'09"	01°♁01'24" R _x	10°♁48'17"	02°♁15'52" R _x	20°♁18'02" R _x	22°♁45'55" R _x	21°♁33'20" R _x	19°♁09'17" R _x	22°♁36'15" R _x
1980-06-04	11°♁34'33"	13°♁12'10"	04°♁23'37"	00°♁39'12" R _x	11°♁14'47"	02°♁22'09" R _x	20°♁19'14" R _x	22°♁43'37" R _x	21°♁31'45" R _x	19°♁08'28" R _x	22°♁34'24" R _x
1980-06-05	25°♁17'21"	14°♁09'36"	05°♁54'10"	00°♁14'52" R _x	11°♁41'32"	02°♁28'35" R _x	20°♁20'32" R _x	22°♁41'20" R _x	21°♁30'09" R _x	19°♁07'40" R _x	22°♁34'15" R _x
1980-06-06	09°♁10'55"	15°♁07'02"	07°♁21'46"	29°♁48'28" R _x	12°♁08'32"	02°♁35'09" R _x	20°♁21'56" R _x	22°♁39'03" R _x	21°♁28'32" R _x	19°♁06'54" R _x	22°♁34'43" R _x
1980-06-07	23°♁15'14"	16°♁04'26"	08°♁46'24"	29°♁20'09" R _x	12°♁35'45"	02°♁41'51" R _x	20°♁23'25" R _x	22°♁36'49" R _x	21°♁26'56" R _x	19°♁06'10" R _x	22°♁34'39" R _x

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1980-06-08	07°ྱ29'37"	17°II01'50"	10°ᄁ08'01"	28°II50'03"ᄁ	13°ྱ03'12"	02°ྱ48'41"	20°ྱ25'01"	22°ᄁ34'35"ᄁ	21°ᄁ25'19"ᄁ	19°ᄁ05'28"ᄁ	22°ᄁ33'03"ᄁ	
1980-06-09	21°ྱ52'10"	17°II59'14"	11°ᄁ26'35"	28°II18'20"ᄁ	13°ྱ30'53"	02°ྱ55'40"	20°ྱ26'43"	22°ᄁ32'23"ᄁ	21°ᄁ23'42"ᄁ	19°ᄁ04'48"ᄁ	22°ᄁ29'18"ᄁ	
1980-06-10	06°ᄁ19'28"	18°II56'37"	12°ᄁ42'04"	27°II45'09"ᄁ	13°ྱ58'47"	03°ྱ02'46"	20°ྱ28'30"	22°ᄁ30'13"ᄁ	21°ᄁ22'05"ᄁ	19°ᄁ04'09"ᄁ	22°ᄁ23'12"ᄁ	
1980-06-11	20°ᄁ46'40"	19°II54'00"	13°ᄁ54'24"	27°II10'42"ᄁ	14°ྱ26'55"	03°ྱ10'00"	20°ྱ30'24"	22°ᄁ28'04"ᄁ	21°ᄁ20'27"ᄁ	19°ᄁ03'32"ᄁ	22°ᄁ15'07"ᄁ	
1980-06-12	05°II07'53"	20°II51'22"	15°ᄁ03'32"	26°II35'12"ᄁ	14°ྱ55'16"	03°ྱ17'22"	20°ྱ32'24"	22°ᄁ25'57"ᄁ	21°ᄁ18'50"ᄁ	19°ᄁ02'58"ᄁ	22°ᄁ05'46"ᄁ	
1980-06-13	19°II17'02"	21°II48'43"	16°ᄁ09'25"	25°II58'50"ᄁ	15°ྱ23'50"	03°ྱ24'51"	20°ྱ34'29"	22°ᄁ23'52"ᄁ	21°ᄁ17'13"ᄁ	19°ᄁ02'25"ᄁ	21°ᄁ56'09"ᄁ	
1980-06-14	03°ᄁ08'51"	22°II46'04"	17°ᄁ11'58"	25°II21'51"ᄁ	15°ྱ52'36"	03°ྱ32'28"	20°ྱ36'41"	22°ᄁ21'48"ᄁ	21°ᄁ15'36"ᄁ	19°ᄁ01'54"ᄁ	21°ᄁ47'20"ᄁ	
1980-06-15	16°ᄁ39'41"	23°II43'24"	24°II40'43"	24°II44'28"ᄁ	16°ྱ21'35"	03°ྱ40'12"	20°ྱ38'58"	22°ᄁ19'47"ᄁ	21°ᄁ13'59"ᄁ	19°ᄁ01'25"ᄁ	21°ᄁ40'13"ᄁ	
1980-06-16	29°ᄁ47'55"	24°II40'43"	19°ᄁ06'44"	24°II06'55"ᄁ	16°ྱ50'47"	03°ྱ48'04"	20°ྱ41'21"	22°ᄁ17'47"ᄁ	21°ᄁ12'21"ᄁ	19°ᄁ00'58"ᄁ	21°ᄁ35'22"ᄁ	
1980-06-17	12°ᄁ34'05"	25°II38'01"	19°ᄁ58'48"	23°II29'26"ᄁ	17°ྱ20'10"	03°ྱ56'03"	20°ྱ43'50"	22°ᄁ15'49"ᄁ	21°ᄁ10'44"ᄁ	19°ᄁ00'33"ᄁ	21°ᄁ32'55"ᄁ	
1980-06-18	25°ᄁ00'28"	26°II35'19"	20°ᄁ47'10"	22°II52'16"ᄁ	17°ྱ49'45"	04°ྱ04'09"	20°ྱ46'24"	22°ᄁ13'52"ᄁ	21°ᄁ09'08"ᄁ	19°ᄁ00'09"ᄁ	21°ᄁ32'34"	
1980-06-19	07°ྱ10'45"	27°II32'36"	21°ᄁ31'46"	22°II15'39"ᄁ	18°ྱ19'31"	04°ྱ12'22"	20°ྱ49'04"	22°ᄁ11'58"ᄁ	21°ᄁ07'31"ᄁ	18°ᄁ59'48"ᄁ	21°ᄁ33'35"	
1980-06-20	19°ྱ09'26"	28°II29'52"	22°ᄁ12'28"	21°II39'49"ᄁ	18°ྱ49'29"	04°ྱ20'41"	20°ྱ51'49"	22°ᄁ10'06"ᄁ	21°ᄁ05'54"ᄁ	18°ᄁ59'29"ᄁ	21°ᄁ35'00"	
1980-06-21	01°ᄁ01'33"	29°II27'07"	22°ᄁ49'10"	21°II04'58"ᄁ	19°ྱ19'38"	04°ྱ29'08"	20°ྱ54'40"	22°ᄁ08'16"ᄁ	21°ᄁ04'18"ᄁ	18°ᄁ59'11"ᄁ	21°ᄁ35'49"	
1980-06-22	12°ᄁ52'19"	00°ᄁ24'22"	23°ᄁ21'45"	20°II31'19"ᄁ	19°ྱ49'57"	04°ྱ37'41"	20°ྱ57'37"	22°ᄁ06'28"ᄁ	21°ᄁ02'42"ᄁ	18°ᄁ58'56"ᄁ	21°ᄁ35'11"ᄁ	
1980-06-23	24°ᄁ46'45"	01°ᄁ21'36"	23°ᄁ50'08"	19°II59'05"ᄁ	20°ྱ20'28"	04°ྱ46'21"	21°ྱ00'39"	22°ᄁ04'42"ᄁ	21°ᄁ01'07"ᄁ	18°ᄁ58'42"ᄁ	21°ᄁ32'30"ᄁ	
1980-06-24	06°ᄁ49'24"	02°ᄁ18'49"	24°ᄁ14'12"	19°II28'25"ᄁ	20°ྱ51'09"	04°ྱ55'07"	21°ྱ03'46"	22°ᄁ02'59"ᄁ	20°ᄁ59'31"ᄁ	18°ᄁ58'31"ᄁ	21°ᄁ27'40"ᄁ	
1980-06-25	19°ᄁ04'02"	03°ᄁ16'02"	24°ᄁ33'51"	18°II59'30"ᄁ	21°ྱ22'00"	05°ྱ04'00"	21°ྱ06'59"	22°ᄁ01'17"ᄁ	20°ᄁ57'57"ᄁ	18°ᄁ58'21"ᄁ	21°ᄁ20'55"ᄁ	
1980-06-26	01°ᄁ33'29"	04°ᄁ13'14"	24°ᄁ49'01"	18°II32'28"ᄁ	21°ྱ53'01"	05°ྱ12'59"	21°ྱ10'17"	21°ᄁ59'38"ᄁ	20°ᄁ56'23"ᄁ	18°ᄁ58'14"ᄁ	21°ᄁ12'57"ᄁ	
1980-06-27	14°ᄁ19'23"	05°ᄁ10'26"	24°ᄁ59'38"	18°II07'26"ᄁ	22°ྱ24'13"	05°ྱ22'04"	21°ྱ13'41"	21°ᄁ58'02"ᄁ	20°ᄁ54'49"ᄁ	18°ᄁ58'08"ᄁ	21°ᄁ04'36"ᄁ	
1980-06-28	27°ᄁ22'13"	06°ᄁ07'38"	25°ᄁ05'38"	17°II44'32"ᄁ	22°ྱ55'34"	05°ྱ31'15"	21°ྱ17'10"	21°ᄁ56'28"ᄁ	20°ᄁ53'16"ᄁ	18°ᄁ58'05"ᄁ	20°ᄁ06'48"ᄁ	
1980-06-29	10°ᄁ41'14"	07°ᄁ04'49"	25°ᄁ07'01"ᄁ	17°II23'51"ᄁ	23°ྱ27'05"	05°ྱ40'33"	21°ྱ20'43"	21°ᄁ54'56"ᄁ	20°ᄁ51'43"ᄁ	18°ᄁ58'03"ᄁ	20°ᄁ50'24"ᄁ	
1980-06-30	24°ᄁ14'45"	08°ᄁ02'01"	25°ᄁ03'48"ᄁ	17°II05'27"ᄁ	23°ྱ58'46"	05°ྱ49'56"	21°ྱ24'22"	21°ᄁ53'26"ᄁ	20°ᄁ50'11"ᄁ	18°ᄁ58'04"ᄁ	20°ᄁ45'54"ᄁ	
1980-07-01	08°ᄁ00'24"	08°ᄁ59'12"	24°ᄁ56'02"ᄁ	16°II49'24"ᄁ	24°ྱ30'36"	05°ྱ59'25"	21°ྱ28'06"	21°ᄁ52'00"ᄁ	20°ᄁ48'40"ᄁ	18°ᄁ58'07"ᄁ	20°ᄁ43'30"ᄁ	
1980-07-02	21°ᄁ55'37"	09°ᄁ56'23"	24°ᄁ43'49"ᄁ	16°II35'43"ᄁ	25°ྱ02'35"	06°ྱ09'00"	21°ྱ31'55"	21°ᄁ50'35"ᄁ	20°ᄁ47'09"ᄁ	18°ᄁ58'11"ᄁ	20°ᄁ42'57"	
1980-07-03	05°ᄁ57'59"	10°ᄁ53'34"	24°ᄁ27'18"ᄁ	16°II24'27"ᄁ	25°ྱ34'43"	06°ྱ18'40"	21°ྱ35'49"	21°ᄁ49'13"ᄁ	20°ᄁ45'39"ᄁ	18°ᄁ58'18"ᄁ	20°ᄁ43'44"	
1980-07-04	20°ᄁ05'21"	11°ᄁ50'46"	24°ᄁ06'41"ᄁ	16°II15'35"ᄁ	26°ྱ07'01"	06°ྱ28'26"	21°ྱ39'48"	21°ᄁ47'54"ᄁ	20°ᄁ44'09"ᄁ	18°ᄁ58'26"ᄁ	20°ᄁ45'05"	
1980-07-05	04°ᄁ15'51"	12°ᄁ47'57"	23°ᄁ42'14"ᄁ	16°II09'08"ᄁ	26°ྱ39'27"	06°ྱ38'18"	21°ྱ43'52"	21°ᄁ46'37"ᄁ	20°ᄁ42'41"ᄁ	18°ᄁ58'37"ᄁ	20°ᄁ46'13"	
1980-07-06	18°ྱ27'43"	13°ᄁ45'09"	23°ᄁ14'18"ᄁ	16°II05'05"ᄁ	27°ྱ12'03"	06°ྱ48'14"	21°ྱ48'00"	21°ᄁ45'22"ᄁ	20°ᄁ41'13"ᄁ	18°ᄁ58'50"ᄁ	20°ᄁ46'25"ᄁ	
1980-07-07	02°ᄁ38'59"	14°ᄁ42'22"	22°ᄁ43'16"ᄁ	16°II03'24"ᄁ	27°ྱ44'48"	06°ྱ58'17"	21°ྱ52'14"	21°ᄁ44'11"ᄁ	20°ᄁ39'45"ᄁ	18°ᄁ59'04"ᄁ	20°ᄁ45'14"ᄁ	
1980-07-08	16°ᄁ47'22"	15°ᄁ39'34"	22°ᄁ09'35"ᄁ	16°II04'03"	28°ྱ17'41"	07°ྱ08'24"	21°ྱ56'32"	21°ᄁ43'02"ᄁ	20°ᄁ38'19"ᄁ	18°ᄁ59'21"ᄁ	20°ᄁ42'31"ᄁ	
1980-07-09	00°II50'10"	16°ᄁ36'48"	21°ᄁ33'47"ᄁ	16°II07'00"	28°ྱ50'44"	07°ྱ18'37"	22°ྱ00'55"	21°ᄁ41'56"ᄁ	20°ᄁ36'54"ᄁ	18°ᄁ59'40"ᄁ	20°ᄁ38'27"ᄁ	
1980-07-10	14°II44'21"	17°ᄁ34'01"	20°ᄁ56'25"ᄁ	16°II12'11"	29°ྱ23'55"	07°ྱ28'55"	22°ྱ05'23"	21°ᄁ40'52"ᄁ	20°ᄁ35'29"ᄁ	19°ᄁ00'01"ᄁ	20°ᄁ33'31"ᄁ	
1980-07-11	28°II26'50"	18°ᄁ31'15"	20°ᄁ18'06"ᄁ	16°II19'34"	29°ྱ57'15"	07°ྱ39'18"	22°ྱ09'55"	21°ᄁ39'52"ᄁ	20°ᄁ34'06"ᄁ	19°ᄁ00'24"ᄁ	20°ᄁ32'21"ᄁ	
1980-07-12	11°ᄁ54'50"	19°ᄁ28'29"	19°ᄁ39'29"ᄁ	16°II29'06"	00°ᄁ30'43"	07°ྱ49'46"	22°ྱ14'32"	21°ᄁ38'54"ᄁ	20°ᄁ32'44"ᄁ	19°ᄁ00'49"ᄁ	20°ᄁ23'37"ᄁ	
1980-07-13	25°ᄁ06'20"	20°ᄁ25'44"	19°ᄁ01'14"ᄁ	16°II40'42"	01°ᄁ04'20"	08°ྱ00'19"	22°ྱ19'13"	21°ᄁ37'59"ᄁ	20°ᄁ31'22"ᄁ	19°ᄁ01'16"ᄁ	20°ᄁ19'55"ᄁ	
1980-07-14	08°ᄁ00'19"	21°ᄁ22'59"	18°ᄁ24'01"ᄁ	16°II54'19"	01°ᄁ38'05"	08°ྱ10'56"	22°ྱ23'59"	21°ᄁ37'07"ᄁ	20°ᄁ30'02"ᄁ	19°ᄁ01'45"ᄁ	20°ᄁ17'38"ᄁ	
1980-07-15	20°ᄁ37'04"	22°ᄁ20'13"	17°ᄁ48'29"ᄁ	17°II09'54"	02°ᄁ11'59"	08°ྱ21'38"	22°ྱ28'49"	21°ᄁ36'18"ᄁ	20°ᄁ28'42"ᄁ	19°ᄁ02'16"ᄁ	20°ᄁ16'52"ᄁ	
1980-07-16	02°ྱ58'05"	23°ᄁ17'29"	17°ᄁ15'16"ᄁ	17°II27'24"	02°ᄁ46'00"	08°ྱ32'25"	22°ྱ33'43"	21°ᄁ35'32"ᄁ	20°ᄁ27'24"ᄁ	19°ᄁ02'49"	20°ᄁ17'27"	
1980-07-17	15°ྱ05'55"	24°ᄁ14'44"	16°ᄁ45'00"ᄁ	17°II46'43"	03°ᄁ20'09"	08°ྱ43'16"	22°ྱ38'42"	21°ᄁ34'49"ᄁ	20°ᄁ26'07"ᄁ	19°ᄁ03'24"ᄁ	20°ᄁ18'58"	
1980-07-18	27°ྱ03'58"	25°ᄁ11'59"	16°ᄁ18'12"ᄁ	18°II07'49"	03°ᄁ54'27"	08°ྱ54'12"	22°ྱ43'44"	21°ᄁ34'08"ᄁ	20°ᄁ24'51"ᄁ	19°ᄁ04'01"ᄁ	20°ᄁ20'55"	
1980-07-19	08°ᄁ56'21"	26°ᄁ09'15"	15°ᄁ55'24"ᄁ	18°II30'39"	04°ᄁ28'52"	09°ྱ05'12"	22°ྱ48'51"	21°ᄁ33'31"ᄁ	20°ᄁ23'36"ᄁ	19°ᄁ04'40"	20°ᄁ22'43"	
1980-07-20	20°ᄁ47'35"	27°ᄁ06'31"	15°ᄁ37'03"ᄁ	18°II55'08"	05°ᄁ03'24"	09°ྱ16'15"	22°ྱ54'02"	21°ᄁ32'56"ᄁ	20°ᄁ22'22"ᄁ	19°ᄁ05'20"	20°ᄁ23'53"	
1980-07-21	02°ᄁ42'30"	28°ᄁ03'47"	15°ᄁ23'32"ᄁ	19°II21'14"	05°ᄁ38'04"	09°ྱ27'24"	22°ྱ59'17"	21°ᄁ32'25"ᄁ	20°ᄁ21'10"ᄁ	19°ᄁ06'03"ᄁ	20°ᄁ24'05"ᄁ	
1980-07-22	14°ᄁ45'53"	29°ᄁ01'03"	15°ᄁ15'10"ᄁ	19°II48'53"	06°ᄁ12'52"	09°ྱ38'36"	23°ྱ04'36"	21°ᄁ31'56"ᄁ	20°ᄁ19'59"ᄁ	19°ᄁ06'48"	20°ᄁ23'15"ᄁ	
1980-07-23	27°ᄁ02'10"	29°ᄁ58'20"	15°ᄁ12'14"ᄁ	20°II18'02"	06°ᄁ47'47"	09°ྱ09'52"	23°ྱ07'35"	21°ᄁ31'31"ᄁ	20°ᄁ18'49"ᄁ	19°ᄁ07'35"	20°ᄁ21'30"ᄁ	
1980-07-24	09°ᄁ35'08"	00°ᄁ55'37"	15°ᄁ14'56"	20°II48'38"	07°ᄁ22'49"	10°ྱ01'12"	23°ྱ15'26"	21°ᄁ31'09"ᄁ	20°ᄁ17'41"ᄁ	19°ᄁ08'24"	20°ᄁ19'07"ᄁ	
1980-07-25	22°ᄁ27'36"	01°ᄁ52'54"	15°ᄁ23'27"	21°II20'37"	07°ᄁ57'59"	10°ྱ12'35"	23°ྱ20'56"	21°ᄁ30'49"ᄁ	20°ᄁ16'34"ᄁ	19°ᄁ09'15"	20°ᄁ16'30"ᄁ	
1980-07-26	05°ᄁ41'05"	02°ᄁ50'12"	15°ᄁ37'53"	21°II53'58"	08°ᄁ33'15"	10°ྱ24'03"	23°ྱ26'31"	21°ᄁ30'33"ᄁ	20°ᄁ15'28"ᄁ	19°ᄁ10'08"	20°ᄁ14'04"ᄁ	
1980-07-27	19°ᄁ15'34"	03°ᄁ47'31"	15°ᄁ58'20"	22°II28'36"	09°ᄁ08'39"	10°ྱ35'34"	23°ྱ32'08"	21°ᄁ30'20"ᄁ	20°ᄁ14'24"ᄁ	19°ᄁ11'02"	20°ᄁ12'08"ᄁ	
1980-07-28	03°ᄁ09'26"	04°ᄁ44'50"	16°ᄁ24'48"	23°II04'29"	09°ᄁ44'09"	10°ྱ47'09"	23°ྱ37'50"	21°ᄁ30'10"ᄁ	20°ᄁ13'21"ᄁ	19°ᄁ11'59"	20°ᄁ10'56"ᄁ	
1980-07-29	17°ᄁ19'30"	05°ᄁ42'10"	16°ᄁ57'20"	23°II41'35"	10°ᄁ19'46"	10°ྱ58'47"	23°ྱ43'35"	21°ᄁ30'03"ᄁ	20°ᄁ12'20"ᄁ	19°ᄁ12'57"	20°ᄁ10'29"ᄁ	
1980-07-30	01°ᄁ41'21"	06°ᄁ39'30"	17°ᄁ35'55"	24°II19'51"	10°ᄁ55'30"	11°ྱ10'28"	23°ྱ49'23"	21°ᄁ29'59"ᄁ	20°ᄁ11'20"ᄁ	19°ᄁ13'58"	20°ᄁ10'40"	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon
1980-07-31	16°☿09'54"	07°♁36'52"	18°♄20'28"	24°♃59'14"	11°♁31'20"	11°♃22'13"	23°♃55'15"	21°♃29'58"	20°♂10'22" R _x	19°♁15'00"	20°♁11'17"
1980-08-01	00°♃40'04"	08°♁34'14"	19°♄10'58"	25°♃39'42"	12°♁07'18"	11°♃34'01"	24°♃01'10"	21°♃30'00"	20°♂09'25" R _x	19°♁16'04"	20°♁12'02"
1980-08-02	15°♃07'08"	09°♁31'38"	20°♄07'19"	26°♃21'13"	12°♁43'22"	11°♃45'52"	24°♃07'08"	21°♃30'05"	20°♂08'29" R _x	19°♁17'09"	20°♁12'40"
1980-08-03	29°♃27'17"	10°♁29'03"	21°♄09'24"	27°♃03'43"	13°♁19'33"	11°♃57'46"	24°♃13'10"	21°♃30'14"	20°♂07'35" R _x	19°♁18'17"	20°♁13'00"
1980-08-04	13°♂37'34"	11°♁26'29"	22°♄17'07"	27°♃47'12"	13°♁55'51"	12°♃09'43"	24°♃19'15"	21°♃30'25"	20°♂06'43" R _x	19°♁19'26"	20°♁12'56" R _x
1980-08-05	27°♂35'58"	12°♁23'56"	23°♄30'17"	28°♃31'37"	14°♁32'15"	12°♃21'44"	24°♃25'23"	21°♃30'40"	20°♂05'52" R _x	19°♁20'38"	20°♁12'30" R _x
1980-08-06	11°♃21'14"	13°♁21'25"	24°♄48'46"	29°♃16'55"	15°♁08'46"	12°♃33'47"	24°♃31'35"	21°♃30'57"	20°♂05'03" R _x	19°♁21'51"	20°♁11'49" R _x
1980-08-07	24°♃52'40"	14°♁18'55"	26°♄12'20"	00°♄03'04"	15°♁45'24"	12°♃45'54"	24°♃37'49"	21°♃31'18"	20°♂04'16" R _x	19°♁23'06"	20°♁11'03" R _x
1980-08-08	08°♄10'01"	15°♁16'26"	27°♄40'47"	00°♄50'03"	16°♁22'09"	12°♃58'03"	24°♃44'06"	21°♃31'42"	20°♂03'30" R _x	19°♁24'23"	20°♁10'21" R _x
1980-08-09	21°♄13'13"	16°♁13'59"	29°♄13'50"	01°♄37'50"	16°♁59'00"	13°♃10'15"	24°♃50'27"	21°♃32'10"	20°♂02'47" R _x	19°♁25'41"	20°♁09'49" R _x
1980-08-10	04°♁02'27"	17°♁11'32"	00°♁51'12"	02°♄26'23"	17°♁35'58"	13°♃22'29"	24°♃56'50"	21°♃32'40"	20°♂02'04" R _x	19°♁27'01"	20°♁09'32" R _x
1980-08-11	16°♁38'10"	18°♁09'07"	02°♁32'35"	03°♄15'39"	18°♁13'02"	13°♃34'46"	25°♃03'16"	21°♃33'13"	20°♂01'24" R _x	19°♁28'23"	20°♁09'27" R _x
1980-08-12	29°♁01'16"	19°♁06'43"	04°♁17'37"	04°♄05'38"	18°♁50'12"	13°♃47'05"	25°♃09'44"	21°♃33'50"	20°♂00'45" R _x	19°♁29'47"	20°♁09'28"
1980-08-13	11°♃13'04"	20°♁04'20"	06°♁05'57"	04°♄56'19"	19°♁27'29"	13°♃59'27"	25°♃16'16"	21°♃34'29"	20°♂00'07" R _x	19°♁31'12"	20°♁09'28" R _x
1980-08-14	23°♃15'27"	21°♁01'58"	07°♁57'11"	05°♄47'38"	20°♁04'52"	14°♃11'51"	25°♃22'50"	21°♃35'12"	19°♂59'32" R _x	19°♁32'39"	20°♁09'21" R _x
1980-08-15	05°♁10'50"	21°♁59'37"	09°♁50'56"	06°♄39'36"	20°♁42'22"	14°♃24'17"	25°♃29'26"	21°♃35'58"	19°♂58'58" R _x	19°♁34'08"	20°♁09'04" R _x
1980-08-16	17°♁02'08"	22°♁57'18"	11°♁46'47"	07°♄32'11"	21°♁19'57"	14°♃36'46"	25°♃36'05"	21°♃36'47"	19°♂58'27" R _x	19°♁35'38"	20°♁08'38" R _x
1980-08-17	28°♁52'52"	23°♁54'59"	13°♁44'22"	08°♄25'21"	21°♁57'39"	14°♃49'16"	25°♃42'46"	21°♃37'39"	19°♂57'57" R _x	19°♁37'10"	20°♁08'09" R _x
1980-08-18	10°♃47'02"	24°♁52'41"	15°♁43'17"	09°♄19'06"	22°♁35'27"	15°♃01'49"	25°♃49'30"	21°♃38'34"	19°♂57'28" R _x	19°♁38'43"	20°♁07'45" R _x
1980-08-19	22°♃49'00"	25°♁50'25"	17°♁43'10"	10°♄13'24"	23°♁13'21"	15°♃14'23"	25°♃56'16"	21°♃39'32"	19°♂57'02" R _x	19°♁40'18"	20°♁07'36"
1980-08-20	05°♂03'19"	26°♁48'09"	19°♁43'41"	11°♄08'15"	23°♁51'20"	15°♃26'59"	26°♃03'04"	21°♃40'33"	19°♂56'38" R _x	19°♁41'55"	20°♁07'49"
1980-08-21	17°♂34'24"	27°♁45'55"	21°♁44'32"	12°♄03'38"	24°♁29'26"	15°♃39'37"	26°♃09'54"	21°♃41'37"	19°♂56'15" R _x	19°♁43'33"	20°♁08'27"
1980-08-22	00°♂26'05"	28°♁43'42"	23°♁45'26"	12°♄59'30"	25°♁07'37"	15°♃52'17"	26°♃16'46"	21°♃42'45"	19°♂55'54" R _x	19°♁45'13"	20°♁09'26"
1980-08-23	13°♂41'20"	29°♁41'30"	25°♁46'08"	13°♄55'53"	25°♁45'54"	16°♃04'58"	26°♃23'41"	21°♃43'55"	19°♂55'36" R _x	19°♁46'54"	20°♁10'36"
1980-08-24	27°♂21'41"	00°♃39'20"	27°♁46'26"	14°♄52'44"	26°♁24'17"	16°♃17'41"	26°♃30'37"	21°♃45'08"	19°♂55'19" R _x	19°♁48'37"	20°♁11'42"
1980-08-25	11°♂26'42"	01°♃37'10"	29°♁46'08"	15°♄50'03"	27°♁02'45"	16°♃30'25"	26°♃37'36"	21°♃46'25"	19°♂55'04" R _x	19°♁50'21"	20°♁12'28"
1980-08-26	25°♂53'44"	02°♃35'02"	01°♃45'06"	16°♄47'49"	27°♁41'19"	16°♃43'11"	26°♃44'36"	21°♃47'44"	19°♂54'51" R _x	19°♁52'06"	20°♁12'40" R _x
1980-08-27	10°♂37'44"	03°♃32'56"	03°♃43'13"	17°♄46'02"	28°♁19'59"	16°♃55'58"	26°♃51'38"	21°♃49'06"	19°♂54'39" R _x	19°♁53'53"	20°♁12'07" R _x
1980-08-28	25°♂31'43"	04°♃30'50"	05°♃40'21"	18°♄44'41"	28°♁58'44"	17°♃08'46"	26°♃58'41"	21°♃50'31"	19°♂54'30" R _x	19°♁55'41"	20°♁10'51" R _x
1980-08-29	10°♃27'37"	05°♃28'47"	07°♃36'27"	19°♄43'44"	29°♁37'34"	17°♃21'35"	27°♃05'46"	21°♃51'59"	19°♂54'22" R _x	19°♁57'31"	20°♁09'01" R _x
1980-08-30	25°♃17'28"	06°♃26'45"	09°♃31'27"	20°♄43'12"	00°♃16'31"	17°♃34'26"	27°♃12'53"	21°♃53'30"	19°♂54'17" R _x	19°♁59'21"	20°♁06'53" R _x
1980-08-31	09°♂54'28"	07°♃24'46"	11°♃25'18"	21°♄43'04"	00°♃55'32"	17°♃47'18"	27°♃20'01"	21°♃55'03"	19°♂54'13" R _x	20°♁01'14"	20°♁04'51" R _x
1980-09-01	24°♂13'44"	08°♃22'48"	13°♃17'58"	22°♄43'19"	01°♃34'40"	18°♃00'11"	27°♃27'11"	21°♃56'40"	19°♂54'12" R _x	20°♁03'07"	20°♁03'17" R _x
1980-09-02	08°♃12'35"	09°♃20'52"	15°♃09'26"	23°♄43'57"	02°♃13'53"	18°♃13'05"	27°♃34'23"	21°♃58'20"	19°♂54'12"	20°♁05'02"	20°♁02'31" R _x
1980-09-03	21°♃50'24"	10°♃18'58"	16°♃59'42"	24°♄44'56"	02°♃53'12"	18°♃25'59"	27°♃41'36"	22°♃00'02"	19°♂54'14"	20°♁06'58"	20°♁02'40"
1980-09-04	05°♄08'07"	11°♃17'06"	18°♃48'45"	25°♄46'16"	03°♃32'36"	18°♃38'55"	27°♃48'50"	22°♃01'47"	19°♂54'19"	20°♁08'55"	20°♁03'41"
1980-09-05	18°♄07'36"	12°♃15'17"	20°♃36'35"	26°♄47'56"	04°♃12'06"	18°♃51'52"	27°♃56'06"	22°♃03'35"	19°♂54'25"	20°♁10'54"	20°♁05'18"
1980-09-06	00°♁51'10"	13°♃13'29"	22°♃23'13"	27°♄49'56"	04°♃51'42"	19°♃04'49"	28°♃03'22"	22°♃05'26"	19°♂54'33"	20°♁12'54"	20°♁07'02"
1980-09-07	13°♁21'12"	14°♃11'43"	24°♃08'38"	28°♄52'16"	05°♃31'23"	19°♃17'46"	28°♃10'40"	22°♃07'20"	19°♂54'43"	20°♁14'55"	20°♁08'22"
1980-09-08	25°♁39'56"	15°♃09'59"	25°♃52'53"	29°♄54'54"	06°♃11'10"	19°♃30'45"	28°♃17'59"	22°♃09'16"	19°♂54'55"	20°♁16'57"	20°♁08'43" R _x
1980-09-09	07°♃49'21"	16°♃08'16"	27°♃35'57"	00°♁57'49"	06°♃51'02"	19°♃43'43"	28°♃25'19"	22°♃11'15"	19°♂55'09"	20°♁19'00"	20°♁07'42" R _x
1980-09-10	19°♃51'18"	17°♃06'36"	29°♃17'52"	02°♁01'03"	07°♃31'00"	19°♃56'42"	28°♃32'39"	22°♃13'16"	19°♂55'25"	20°♁21'04"	20°♁05'06" R _x
1980-09-11	01°♁47'33"	18°♃04'57"	00°♁58'38"	03°♁04'33"	08°♃11'03"	20°♃09'42"	28°♃40'01"	22°♃15'20"	19°♂55'43"	20°♁23'09"	20°♁01'00" R _x
1980-09-12	13°♁39'55"	19°♃03'20"	02°♁38'17"	04°♁08'21"	08°♃51'12"	20°♃22'41"	28°♃47'23"	22°♃17'27"	19°♂56'03"	20°♁25'15"	19°♁55'44" R _x
1980-09-13	25°♁30'23"	20°♃01'45"	04°♁16'50"	05°♁12'24"	09°♃31'25"	20°♃35'41"	28°♃54'46"	22°♃19'37"	19°♂56'25"	20°♁27'22"	19°♁49'55" R _x
1980-09-14	07°♃21'18"	21°♃00'11"	05°♁54'17"	06°♁16'43"	10°♃11'44"	20°♃48'41"	29°♃02'10"	22°♃21'49"	19°♂56'49"	20°♁29'30"	19°♁44'15" R _x
1980-09-15	19°♃15'32"	21°♃58'39"	07°♁30'39"	07°♁21'18"	10°♃52'09"	21°♃01'41"	29°♃09'35"	22°♃24'03"	19°♂57'15"	20°♁31'39"	19°♁39'24" R _x
1980-09-16	01°♂16'32"	22°♃57'09"	09°♁05'57"	08°♁26'08"	11°♃32'38"	21°♃14'40"	29°♃17'00"	22°♃26'21"	19°♂57'43"	20°♁33'49"	19°♁35'57" R _x
1980-09-17	13°♂28'14"	23°♃55'41"	10°♁40'12"	09°♁31'12"	12°♃13'13"	21°♃27'40"	29°♃24'25"	22°♃28'40"	19°♂58'13"	20°♁36'00"	19°♁34'10" R _x
1980-09-18	25°♂54'56"	24°♃54'14"	12°♁13'23"	10°♁36'31"	12°♃53'53"	21°♃40'39"	29°♃31'51"	22°♃31'03"	19°♂58'45"	20°♁38'12"	19°♁34'02"
1980-09-19	08°♂40'56"	25°♃52'49"	13°♁45'33"	11°♁42'04"	13°♃34'38"	21°♃53'38"	29°♃39'17"	22°♃33'27"	19°♂59'19"	20°♁40'24"	19°♁35'09"
1980-09-20	21°♂50'14"	26°♃51'25"	15°♁16'40"	12°♁47'51"	14°♃15'28"	22°♃06'37"	29°♃46'44"	22°♃35'54"	19°♂59'55"	20°♁42'38"	19°♁36'55"
1980-09-21	05°♂25'55"	27°♃50'03"	16°♁46'44"	13°♁53'51"	14°♃56'23"	22°♃19'35"	29°♃54'10"	22°♃38'24"	20°♂00'32"	20°♁44'52"	19°♁38'32"

Jan 01, 1980 00:00 AM CCT

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1980-09-22	19°≈29'29"	28°♎48'43"	18°♎15'47"	15°♏00'05"	15°♎37'22"	22°♎32'33"	00°♎01'37"	22°♎40'55"	20°♎01'12"	20°♎47'07"	19°♏39'14" R _x
1980-09-23	03°≈59'59"	29°♎47'25"	19°♎43'47"	16°♏06'32"	16°♎18'27"	22°♎45'30"	00°♎09'04"	22°♎43'29"	20°♎01'53"	20°♎49'22"	19°♏38'24" R _x
1980-09-24	18°≈53'23"	00°♎46'08"	21°♎10'44"	17°♏13'12"	16°♎59'36"	22°♎58'26"	00°♎16'30"	22°♎46'06"	20°♎02'37"	20°♎51'39"	19°♏35'44" R _x
1980-09-25	04°≈02'33"	01°♎44'53"	22°♎36'37"	18°♏20'04"	17°♎40'50"	23°♎11'21"	00°♎23'57"	22°♎48'44"	20°♎03'22"	20°♎53'55"	19°♏31'16" R _x
1980-09-26	19°≈17'51"	02°♎43'41"	24°♎01'25"	19°♏27'09"	18°♎22'09"	23°♎24'16"	00°♎31'24"	22°♎51'25"	20°♎04'09"	20°♎56'13"	19°♏25'25" R _x
1980-09-27	04°≈28'39"	03°♎42'30"	25°♎25'07"	20°♏34'26"	19°♎03'33"	23°♎37'10"	00°♎38'50"	22°♎54'07"	20°♎04'58"	20°♎58'31"	19°♏18'51" R _x
1980-09-28	19°≈25'05"	04°♎41'21"	26°♎47'42"	21°♏41'55"	19°♎45'02"	23°♎50'03"	00°♎46'16"	22°♎56'52"	20°♎05'49"	21°♎00'49"	19°♏12'27" R _x
1980-09-29	03°≈59'34"	05°♎40'15"	28°♎09'07"	22°♏49'36"	20°♎26'36"	24°♎02'55"	00°♎53'42"	22°♎59'40"	20°♎06'42"	21°♎03'09"	19°♏06'59" R _x
1980-09-30	18°≈07'42"	06°♎39'11"	29°♎29'20"	23°♏57'29"	21°♎08'14"	24°♎15'46"	01°♎01'08"	23°♎02'29"	20°♎07'37"	21°♎05'28"	19°♏03'06" R _x
1980-10-01	01°≈48'20"	07°♎38'10"	00°♎48'19"	25°♏05'33"	21°♎49'58"	24°♎28'36"	01°♎08'34"	23°♎05'20"	20°♎08'33"	21°♎07'49"	19°♏01'05" R _x
1980-10-02	15°≈02'53"	08°♎37'11"	02°♎05'59"	26°♏13'48"	22°♎31'47"	24°♎41'25"	01°♎15'58"	23°♎08'14"	20°♎09'32"	21°♎10'09"	19°♏00'48"
1980-10-03	27°≈54'31"	09°♎36'14"	03°♎22'18"	27°♏22'13"	23°♎13'40"	24°♎54'13"	01°♎23'23"	23°♎11'09"	20°♎10'32"	21°♎12'31"	19°♏01'42"
1980-10-04	10°≈27'12"	10°♎35'19"	04°♎37'10"	28°♏30'34"	23°♎55'39"	25°♎06'59"	01°♎30'47"	23°♎14'06"	20°♎11'34"	21°♎14'52"	19°♏02'57" R _x
1980-10-05	22°≈45'02"	11°♎34'27"	05°♎50'30"	29°♏39'35"	24°♎37'42"	25°♎19'43"	01°♎38'10"	23°♎17'05"	20°♎12'38"	21°♎17'14"	19°♏03'22" R _x
1980-10-06	04°≈15'52"	12°♎33'37"	07°♎02'12"	00°♎48'31"	25°♎19'50"	25°♎32'27"	01°♎45'32"	23°♎20'07"	20°♎13'44"	21°♎19'36"	19°♏02'28" R _x
1980-10-07	16°≈51'03"	13°♎32'49"	08°♎12'10"	01°♎57'37"	26°♎02'03"	25°♎45'08"	01°♎52'53"	23°♎23'09"	20°♎14'51"	21°♎21'59"	18°♏59'01" R _x
1980-10-08	28°≈45'24"	14°♎32'03"	09°♎20'16"	03°♎06'52"	26°♎44'21"	25°♎57'48"	02°♎00'14"	23°♎26'14"	20°♎16'00"	21°♎24'21"	18°♏52'50" R _x
1980-10-09	10°≈37'09"	15°♎31'19"	10°♎26'20"	04°♎16'17"	27°♎26'43"	26°♎10'26"	02°♎07'33"	23°♎29'21"	20°♎17'11"	21°♎26'44"	18°♏44'00" R _x
1980-10-10	22°≈28'06"	16°♎30'37"	11°♎30'14"	05°♎25'50"	28°♎09'11"	26°♎23'02"	02°♎14'52"	23°♎32'29"	20°♎18'24"	21°♎29'07"	18°♏33'07" R _x
1980-10-11	04°≈19'44"	17°♎29'58"	12°♎31'44"	06°♎35'32"	28°♎51'43"	26°♎35'36"	02°♎22'09"	23°♎35'39"	20°♎19'38"	21°♎31'31"	18°♏21'08" R _x
1980-10-12	16°≈13'33"	18°♎29'20"	13°♎30'39"	07°♎45'22"	29°♎34'19"	26°♎48'08"	02°♎29'26"	23°♎38'50"	20°♎20'54"	21°♎33'54"	18°♏09'12" R _x
1980-10-13	28°≈11'18"	19°♎28'44"	14°♎26'45"	08°♎55'21"	00°♎17'01"	27°♎00'38"	02°♎36'41"	23°♎42'04"	20°♎22'12"	21°♎36'18"	17°♏58'28" R _x
1980-10-14	10°≈15'11"	20°♎28'11"	15°♎19'44"	10°♎05'28"	00°♎59'46"	27°♎13'05"	02°♎43'55"	23°♎45'19"	20°♎23'31"	21°♎38'42"	17°♏49'51" R _x
1980-10-15	22°≈28'03"	21°♎27'39"	16°♎09'19"	11°♎15'44"	01°♎42'37"	27°♎25'31"	02°♎51'07"	23°♎48'35"	20°♎24'53"	21°♎41'06"	17°♏43'51" R _x
1980-10-16	04°≈53'18"	22°♎27'09"	16°♎55'09"	12°♎26'07"	02°♎25'32"	27°♎37'54"	02°♎58'18"	23°♎51'53"	20°♎26'16"	21°♎43'29"	17°♏40'32" R _x
1980-10-17	17°≈34'46"	23°♎26'40"	17°♎36'51"	13°♎36'37"	03°♎08'31"	27°♎50'14"	03°♎05'28"	23°♎55'12"	20°♎27'40"	21°♎45'53"	17°♏39'23" R _x
1980-10-18	00°≈36'32"	24°♎26'14"	18°♎14'02"	14°♎47'15"	03°♎51'35"	28°♎02'32"	03°♎12'35"	23°♎58'33"	20°♎29'06"	21°♎48'17"	17°♏39'52" R _x
1980-10-19	14°≈02'24"	25°♎25'49"	18°♎46'13"	15°♎58'01"	04°♎34'43"	28°♎14'48"	03°♎19'42"	24°♎01'55"	20°♎30'34"	21°♎50'41"	17°♏39'33" R _x
1980-10-20	27°≈55'14"	26°♎25'25"	19°♎12'55"	17°♎08'54"	05°♎17'55"	28°♎27'00"	03°♎26'46"	24°♎05'19"	20°♎32'03"	21°♎53'04"	17°♏39'17" R _x
1980-10-21	12°≈16'01"	27°♎25'04"	19°♎33'36"	18°♎19'54"	06°♎01'11"	28°♎39'10"	03°♎33'49"	24°♎08'43"	20°♎33'33"	21°♎55'28"	17°♏36'50" R _x
1980-10-22	27°≈02'48"	28°♎24'44"	19°♎47'44"	19°♎31'01"	06°♎44'32"	28°♎51'16"	03°♎40'49"	24°♎12'09"	20°♎35'06"	21°♎57'51"	17°♏31'59" R _x
1980-10-23	12°≈10'04"	29°♎24'26"	19°♎54'44"	20°♎42'15"	07°♎27'56"	29°♎03'20"	03°♎47'48"	24°♎15'36"	20°♎36'39"	22°♎00'14"	17°♏24'42" R _x
1980-10-24	27°≈28'59"	00°♎24'10"	19°♎54'02" R _x	21°♎53'36"	08°♎11'25"	29°♎15'21"	03°♎54'45"	24°♎19'04"	20°♎38'14"	22°♎02'36"	17°♏15'26" R _x
1980-10-25	12°≈48'24"	01°♎23'56"	19°♎45'08" R _x	23°♎05'03"	08°♎54'58"	29°♎27'18"	04°♎01'40"	24°♎22'34"	20°♎39'51"	22°♎04'59"	17°♏05'02" R _x
1980-10-26	27°≈56'48"	02°♎23'44"	19°♎27'32" R _x	24°♎16'38"	09°♎38'36"	29°♎39'13"	04°♎08'32"	24°♎26'04"	20°♎41'29"	22°♎07'21"	16°♏54'36" R _x
1980-10-27	12°≈44'21"	03°♎23'34"	19°♎00'54" R _x	25°♎28'19"	10°♎22'17"	29°♎51'04"	04°♎15'23"	24°♎29'36"	20°♎43'08"	22°♎09'43"	16°♏45'12" R _x
1980-10-28	27°≈04'22"	04°♎23'26"	18°♎25'04" R _x	26°♎40'07"	11°♎06'03"	00°♎02'52"	04°♎22'11"	24°♎33'09"	20°♎44'49"	22°♎12'04"	16°♏37'42" R _x
1980-10-29	10°≈54'01"	05°♎23'20"	17°♎40'05" R _x	27°♎52'01"	11°♎49'53"	00°♎14'36"	04°♎28'57"	24°♎36'42"	20°♎46'32"	22°♎14'26"	16°♏32'35" R _x
1980-10-30	24°≈13'51"	06°♎23'17"	16°♎46'20" R _x	29°♎04'02"	12°♎33'47"	00°♎26'17"	04°♎35'41"	24°♎40'17"	20°♎48'15"	22°♎16'47"	16°♏29'46" R _x
1980-10-31	07°≈07'00"	07°♎23'16"	15°♎44'33" R _x	00°♎16'08"	13°♎17'45"	00°♎37'54"	04°♎42'23"	24°♎43'52"	20°♎50'00"	22°♎19'07"	16°♏28'43" R _x
1980-11-01	19°≈37'58"	08°♎23'17"	14°♎35'53" R _x	01°♎28'21"	14°♎01'48"	00°♎49'28"	04°♎49'01"	24°♎47'28"	20°♎51'46"	22°♎21'27"	16°♏28'27" R _x
1980-11-02	01°≈51'47"	09°♎23'20"	13°♎21'56" R _x	02°♎40'39"	14°♎45'54"	01°♎00'58"	04°♎55'37"	24°♎51'05"	20°♎53'34"	22°♎23'46"	16°♏27'47" R _x
1980-11-03	13°≈53'27"	10°♎23'25"	12°♎04'38" R _x	03°♎53'02"	15°♎30'05"	01°♎12'23"	05°♎02'11"	24°♎54'43"	20°♎55'22"	22°♎26'05"	16°♏25'33" R _x
1980-11-04	25°≈47'31"	11°♎23'32"	10°♎46'18" R _x	05°♎05'31"	16°♎14'20"	01°♎23'45"	05°♎08'42"	24°♎58'21"	20°♎57'12"	22°♎28'23"	16°♏20'47" R _x
1980-11-05	07°≈37'57"	12°♎23'41"	09°♎29'22" R _x	06°♎18'05"	16°♎58'39"	01°♎35'02"	05°♎15'09"	25°♎02'00"	20°♎59'03"	22°♎30'40"	16°♏13'00" R _x
1980-11-06	19°≈27'54"	13°♎23'53"	08°♎16'19" R _x	07°♎30'44"	17°♎43'02"	01°♎46'16"	05°♎21'34"	25°♎05'40"	21°♎00'56"	22°♎32'57"	16°♏02'12" R _x
1980-11-07	01°≈19'47"	14°♎24'06"	07°♎09'27" R _x	08°♎43'28"	18°♎27'29"	01°♎57'25"	05°♎27'56"	25°♎09'20"	21°♎02'49"	22°♎35'13"	15°♏48'59" R _x
1980-11-08	13°≈15'16"	15°♎24'21"	06°♎10'47" R _x	09°♎56'17"	19°♎12'00"	02°♎08'29"	05°♎34'16"	25°♎13'01"	21°♎04'44"	22°♎37'29"	15°♏34'22" R _x
1980-11-09	25°≈15'34"	16°♎24'37"	05°♎21'53" R _x	11°♎09'11"	19°♎56'35"	02°♎19'29"	05°♎40'31"	25°♎16'43"	21°♎06'39"	22°♎39'44"	15°♏19'37" R _x
1980-11-10	07°≈21'41"	17°♎24'56"	04°♎43'52" R _x	12°♎22'09"	20°♎41'13"	02°♎30'24"	05°♎46'44"	25°♎20'24"	21°♎08'36"	22°♎41'58"	15°♏06'04" R _x
1980-11-11	19°≈34'45"	18°♎25'16"	04°♎17'23" R _x	13°♎35'11"	21°♎25'56"	02°♎41'15"	05°♎52'54"	25°♎24'07"	21°♎10'34"	22°♎44'11"	14°♏54'47" R _x
1980-11-12	01°≈56'13"	19°♎25'38"	04°♎02'35" R _x	14°♎48'18"	22°♎10'42"	02°♎52'00"	05°♎59'00"	25°♎27'49"	21°♎12'33"	22°♎46'23"	14°♏46'27" R _x
1980-11-13	14°≈28'05"	20°♎26'01"	03°♎59'18"	16°♎01'29"	22°♎55'32"	03°♎02'41"	06°♎05'03"	25°♎31'32"	21°♎14'33"	22°♎48'35"	14°♏41'11" R _x

Jan 01, 1980 00:00 AM CCT

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1980-11-14	27°vs12'54"	21°m,26'26"	04°m,07'05"	17°u14'44"	23°x40'26"	03°u13'17"	06°u11'02"	25°m,35'15"	21°x16'34"	22°u50'46"	14°u38'34"	R
1980-11-15	10°u13'43"	22°m,26'52"	04°m,25'12"	18°u28'02"	24°x25'23"	03°u23'47"	06°u16'58"	25°m,38'59"	21°x18'36"	22°u52'55"	14°u37'45"	R
1980-11-16	23°u33'45"	23°m,27'19"	04°m,52'53"	19°u41'24"	25°x10'24"	03°u34'12"	06°u22'50"	25°m,42'42"	21°x20'39"	22°u55'04"	14°u37'33"	R
1980-11-17	07°x15'54"	24°m,27'47"	05°m,29'14"	20°u54'50"	25°x55'28"	03°u44'32"	06°u28'39"	25°m,46'25"	21°x22'42"	22°u57'12"	14°u36'45"	R
1980-11-18	21°x21'57"	25°m,28'17"	06°m,13'21"	22°u08'20"	26°x40'36"	03°u54'46"	06°u34'23"	25°m,50'09"	21°x24'47"	22°u59'18"	14°u34'20"	R
1980-11-19	05°m51'35"	26°m,28'48"	07°m,04'22"	23°u21'53"	27°x25'46"	04°u04'55"	06°u40'04"	25°m,53'52"	21°x26'52"	23°u01'24"	14°u29'38"	R
1980-11-20	20°m41'34"	27°m,29'20"	08°m,01'27"	24°u35'29"	28°x11'00"	04°u14'58"	06°u45'41"	25°m,57'36"	21°x28'58"	23°u03'28"	14°u22'30"	R
1980-11-21	05°u45'33"	28°m,29'54"	09°m,03'49"	25°u49'09"	28°x56'18"	04°u24'56"	06°u51'14"	26°m,01'19"	21°x31'04"	23°u05'32"	14°u13'17"	R
1980-11-22	20°u54'26"	29°m,30'29"	10°m,10'47"	27°u02'53"	29°x41'39"	04°u34'47"	06°u56'43"	26°m,05'03"	21°x33'12"	23°u07'34"	14°u02'47"	R
1980-11-23	05°u57'45"	00°x31'05"	11°m,21'43"	28°u16'40"	00°vs27'03"	04°u44'33"	07°u02'09"	26°m,08'46"	21°x35'20"	23°u09'35"	13°u52'01"	R
1980-11-24	20°u45'31"	01°x31'43"	12°m,36'03"	29°u30'30"	01°vs12'30"	04°u54'13"	07°u07'30"	26°m,12'29"	21°x37'29"	23°u11'35"	13°u42'08"	R
1980-11-25	05°u09'51"	02°x32'23"	13°m,53'18"	00°m,44'24"	01°vs58'00"	05°u03'46"	07°u12'47"	26°m,16'12"	21°x39'39"	23°u13'34"	13°u34'01"	R
1980-11-26	19°u06'05"	03°x33'04"	15°m,13'02"	01°m,58'20"	02°vs43'34"	05°u13'14"	07°u17'59"	26°m,19'54"	21°x41'49"	23°u15'32"	13°u28'14"	R
1980-11-27	02°u33'00"	04°x33'46"	16°m,34'52"	03°m,12'20"	03°vs29'11"	05°u22'35"	07°u23'08"	26°m,23'36"	21°x44'00"	23°u17'28"	13°u24'52"	R
1980-11-28	15°u32'19"	05°x34'30"	17°m,58'29"	04°m,26'23"	04°vs14'52"	05°u31'50"	07°u28'12"	26°m,27'18"	21°x46'11"	23°u19'23"	13°u23'31"	R
1980-11-29	28°u07'45"	06°x35'15"	19°m,23'37"	05°m,40'29"	05°vs00'35"	05°u40'58"	07°u33'11"	26°m,30'59"	21°x48'23"	23°u21'17"	13°u23'21"	
1980-11-30	10°m24'05"	07°x36'02"	20°m,50'02"	06°m,54'38"	05°vs46'22"	05°u49'59"	07°u38'06"	26°m,34'40"	21°x50'35"	23°u23'09"	13°u23'19"	R
1980-12-01	22°m26'36"	08°x36'51"	22°m,17'30"	08°m,08'49"	06°vs32'11"	05°u58'54"	07°u42'57"	26°m,38'21"	21°x52'48"	23°u25'00"	13°u22'19"	R
1980-12-02	04°u20'28"	09°x37'41"	23°m,45'53"	09°m,23'03"	07°vs18'04"	06°u07'41"	07°u47'42"	26°m,42'00"	21°x55'01"	23°u26'49"	13°u19'26"	R
1980-12-03	16°u10'32"	10°x38'32"	25°m,15'00"	10°m,37'19"	08°vs04'00"	06°u16'22"	07°u52'23"	26°m,45'39"	21°x57'15"	23°u28'37"	13°u14'07"	R
1980-12-04	28°u01'01"	11°x39'25"	26°m,44'46"	11°m,51'38"	08°vs49'59"	06°u24'56"	07°u57'00"	26°m,49'18"	21°x59'29"	23°u30'24"	13°u06'16"	R
1980-12-05	09°m,55'21"	12°x40'19"	28°m,15'03"	13°m,05'59"	09°vs36'01"	06°u33'22"	08°u01'31"	26°m,52'56"	22°x01'43"	23°u32'09"	12°u56'18"	R
1980-12-06	21°m,56'04"	13°x41'14"	29°m,45'47"	14°m,20'22"	10°vs22'06"	06°u41'41"	08°u05'57"	26°m,56'33"	22°x03'58"	23°u33'52"	12°u45'02"	R
1980-12-07	04°x04'54"	14°x42'10"	01°x16'53"	15°m,34'48"	11°vs08'14"	06°u49'52"	08°u10'19"	27°m,00'09"	22°x06'13"	23°u35'35"	12°u33'29"	R
1980-12-08	16°x22'53"	15°x43'07"	02°x48'19"	16°m,49'15"	11°vs54'25"	06°u57'56"	08°u14'35"	27°m,03'44"	22°x08'28"	23°u37'15"	12°u22'48"	R
1980-12-09	28°x50'35"	16°x44'06"	04°x20'00"	18°m,03'48"	12°vs40'38"	07°u05'52"	08°u18'47"	27°m,07'19"	22°x10'44"	23°u38'54"	12°u13'55"	R
1980-12-10	11°vs28'24"	17°x45'05"	05°x51'54"	19°m,18'16"	13°vs26'55"	07°u13'41"	08°u22'53"	27°m,10'52"	22°x13'00"	23°u40'31"	12°u07'27"	R
1980-12-11	24°vs16'46"	18°x46'05"	07°x24'01"	20°m,32'49"	14°vs13'13"	07°u21'21"	08°u26'54"	27°m,14'25"	22°x15'15"	23°u42'07"	12°u31'35"	R
1980-12-12	07°u16'24"	19°x47'06"	08°x56'18"	21°m,47'23"	14°vs59'35"	07°u28'54"	08°u30'49"	27°m,17'57"	22°x17'31"	23°u43'41"	12°u02'03"	R
1980-12-13	20°u28'27"	20°x48'07"	10°x28'45"	23°m,01'59"	15°vs45'59"	07°u36'18"	08°u34'39"	27°m,21'27"	22°x19'47"	23°u45'13"	12°u02'11"	
1980-12-14	03°x54'19"	21°x49'09"	12°x01'20"	24°m,16'37"	16°vs32'25"	07°u43'34"	08°u38'24"	27°m,24'56"	22°x22'04"	23°u46'44"	12°u03'03"	
1980-12-15	17°x35'29"	22°x50'11"	13°x34'04"	25°m,31'15"	17°vs18'54"	07°u50'41"	08°u42'03"	27°m,28'24"	22°x24'20"	23°u48'13"	12°u03'42"	
1980-12-16	01°m32'56"	23°x51'14"	15°x06'55"	26°m,45'55"	18°vs05'24"	07°u57'40"	08°u45'37"	27°m,31'51"	22°x26'36"	23°u49'40"	12°u03'16"	R
1980-12-17	15°m46'32"	24°x52'17"	16°x39'55"	28°m,00'37"	18°vs51'57"	08°u04'31"	08°u49'05"	27°m,35'17"	22°x28'51"	23°u51'05"	12°u01'10"	R
1980-12-18	00°x14'27"	25°x53'20"	18°x13'04"	29°m,15'19"	19°vs38'33"	08°u11'12"	08°u52'28"	27°m,38'41"	22°x31'07"	23°u52'28"	11°u57'14"	R
1980-12-19	14°u52'49"	26°x54'24"	19°x46'21"	00°x30'03"	20°vs25'10"	08°u17'46"	08°u55'45"	27°m,42'04"	22°x33'23"	23°u53'50"	11°u51'40"	R
1980-12-20	29°u35'48"	27°x55'28"	21°x19'47"	01°x44'49"	21°vs11'49"	08°u24'10"	08°u58'56"	27°m,45'25"	22°x35'39"	23°u55'10"	11°u45'01"	R
1980-12-21	14°u16'10"	28°x56'32"	22°x53'23"	02°x59'35"	21°vs58'31"	08°u30'25"	09°u02'01"	27°m,48'46"	22°x37'54"	23°u56'28"	11°u38'04"	R
1980-12-22	28°u46'21"	29°x57'37"	24°x27'10"	04°x14'23"	22°vs45'15"	08°u36'32"	09°u05'01"	27°m,52'04"	22°x40'10"	23°u57'44"	11°u31'39"	R
1980-12-23	12°u59'33"	00°vs58'43"	26°x01'08"	05°x29'12"	23°vs32'00"	08°u42'29"	09°u07'55"	27°m,55'22"	22°x42'25"	23°u58'58"	11°u26'28"	R
1980-12-24	26°u50'52"	01°vs59'48"	27°x35'17"	06°x44'02"	24°vs18'48"	08°u48'17"	09°u10'43"	27°m,58'37"	22°x44'40"	24°u00'10"	11°u23'00"	R
1980-12-25	10°u17'47"	03°vs00'55"	29°x09'40"	07°x58'53"	25°vs05'38"	08°u53'56"	09°u13'26"	28°m,01'51"	22°x46'55"	24°u01'21"	11°u21'22"	R
1980-12-26	23°u20'14"	04°vs02'02"	00°vs44'17"	09°x13'46"	25°vs52'29"	08°u59'25"	09°u16'02"	28°m,05'04"	22°x49'09"	24°u02'29"	11°u21'22"	
1980-12-27	06°m00'10"	05°vs03'09"	02°vs19'08"	10°x28'39"	26°vs39'23"	09°u04'45"	09°u18'32"	28°m,08'14"	22°x51'23"	24°u03'36"	11°u22'28"	
1980-12-28	18°m21'06"	06°vs04'17"	03°vs54'15"	11°x43'34"	27°vs26'18"	09°u09'55"	09°u20'56"	28°m,11'23"	22°x53'36"	24°u04'40"	11°u23'58"	
1980-12-29	00°u27'23"	07°vs05'25"	05°vs29'38"	12°x58'30"	28°vs13'15"	09°u14'56"	09°u23'14"	28°m,14'30"	22°x55'49"	24°u05'43"	11°u25'09"	
1980-12-30	12°u23'56"	08°vs06'34"	07°vs05'19"	14°x13'26"	29°vs00'14"	09°u19'46"	09°u25'25"	28°m,17'35"	22°x58'02"	24°u06'43"	11°u25'22"	R
1980-12-31	24°u15'46"	09°vs07'43"	08°vs41'18"	15°x28'24"	29°vs47'15"	09°u24'26"	09°u27'31"	28°m,20'39"	23°x00'14"	24°u07'42"	11°u24'14"	R
1981-01-01	06°m,07'42"	10°vs08'53"	10°vs17'36"	16°x43'22"	00°u34'18"	09°u28'57"	09°u29'30"	28°m,23'41"	23°x02'25"	24°u08'38"	11°u21'37"	R
1981-01-02	18°m,04'09"	11°vs10'03"	11°vs54'15"	17°x58'22"	01°u21'22"	09°u33'17"	09°u31'23"	28°m,26'40"	23°x04'36"	24°u09'33"	11°u17'43"	R
1981-01-03	00°x08'49"	12°vs11'13"	13°vs31'13"	19°x13'22"	02°u08'29"	09°u37'27"	09°u33'10"	28°m,29'38"	23°x06'47"	24°u10'25"	11°u12'59"	R
1981-01-04	12°x24'36"	13°vs12'24"	15°vs08'33"	20°x28'22"	02°u55'36"	09°u41'27"	09°u34'51"	28°m,32'34"	23°x08'57"	24°u11'15"	11°u08'00"	R
1981-01-05	24°x53'28"	14°vs13'35"	16°vs46'15"	21°x43'24"	03°u42'46"	09°u45'16"	09°u36'25"	28°m,35'27"	23°x11'06"	24°u12'04"	11°u03'25"	R

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Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♁ Geo Lon
1981-01-06	07°v36'30"	15°v14'45"	18°v24'19"	22°v58'26"	04°v29'56"	09°v48'55"	09°v37'53"	28°m38'19"	23°v13'15"	24°v12'50"	10°v59'45"	R
1981-01-07	20°v33'51"	16°v15'56"	20°v02'46"	24°v13'28"	05°v17'09"	09°v52'23"	09°v39'14"	28°m41'08"	23°v15'23"	24°v13'34"	10°v57'20"	R
1981-01-08	03°v44'59"	17°v17'06"	21°v41'34"	25°v28'31"	06°v04'22"	09°v55'40"	09°v40'29"	28°m43'56"	23°v17'30"	24°v14'16"	10°v56'17"	R
1981-01-09	17°v08'53"	18°v18'17"	23°v20'45"	26°v43'34"	06°v51'37"	09°v58'46"	09°v41'37"	28°m46'41"	23°v19'37"	24°v14'56"	10°v56'26"	
1981-01-10	00°v44'18"	19°v19'26"	25°v00'17"	27°v58'38"	07°v38'52"	10°v01'42"	09°v42'39"	28°m49'23"	23°v21'42"	24°v15'33"	10°v57'26"	
1981-01-11	14°v29'56"	20°v20'36"	26°v40'10"	29°v13'41"	08°v26'09"	10°v04'27"	09°v43'34"	28°m52'04"	23°v23'47"	24°v16'09"	10°v58'49"	
1981-01-12	28°v24'36"	21°v21'44"	28°v20'22"	00°v28'45"	09°v13'27"	10°v07'00"	09°v44'23"	28°m54'42"	23°v25'51"	24°v16'42"	11°v00'06"	
1981-01-13	12°v27'05"	22°v22'53"	00°v00'52"	01°v43'49"	10°v00'46"	10°v09'23"	09°v45'06"	28°m57'17"	23°v27'54"	24°v17'13"	11°v00'52"	
1981-01-14	26°v35'57"	23°v24'00"	01°v41'37"	02°v58'53"	10°v48'06"	10°v11'34"	09°v45'41"	28°m59'51"	23°v29'56"	24°v17'42"	11°v00'51"	R
1981-01-15	10°v49'18"	24°v25'07"	03°v22'36"	04°v13'57"	11°v35'26"	10°v13'35"	09°v46'11"	29°m02'21"	23°v31'57"	24°v18'09"	11°v00'00"	R
1981-01-16	25°v04'40"	25°v26'13"	05°v03'43"	05°v29'02"	12°v22'47"	10°v15'24"	09°v46'33"	29°m04'50"	23°v33'57"	24°v18'34"	10°v58'26"	R
1981-01-17	09°v18'57"	26°v27'18"	06°v44'54"	06°v44'06"	13°v10'09"	10°v17'02"	09°v46'50"	29°m07'16"	23°v35'56"	24°v18'56"	10°v56'25"	R
1981-01-18	23°v28'31"	27°v28'23"	08°v26'04"	07°v59'11"	13°v57'32"	10°v18'29"	09°v47'00"	29°m09'39"	23°v37'55"	24°v19'17"	10°v54'17"	R
1981-01-19	07°v29'27"	28°v29'26"	10°v07'06"	09°v14'15"	14°v44'55"	10°v19'45"	09°v47'03"	29°m12'00"	23°v39'52"	24°v19'35"	10°v52'21"	R
1981-01-20	21°v17'57"	29°v30'30"	11°v47'52"	10°v29'20"	15°v32'19"	10°v20'50"	09°v47'00"	29°m14'18"	23°v41'48"	24°v19'51"	10°v50'54"	R
1981-01-21	04°v50'50"	00°v31'32"	13°v28'12"	11°v44'25"	16°v19'43"	10°v21'43"	09°v46'51"	29°m16'34"	23°v43'43"	24°v20'05"	10°v50'05"	R
1981-01-22	18°v05'56"	01°v32'34"	15°v07'54"	12°v59'30"	17°v07'08"	10°v22'25"	09°v46'35"	29°m18'47"	23°v45'37"	24°v20'17"	10°v49'54"	
1981-01-23	01°v02'25"	02°v33'35"	16°v46'43"	14°v14'36"	17°v54'34"	10°v22'55"	09°v46'12"	29°m20'57"	23°v47'29"	24°v20'26"	10°v50'14"	
1981-01-24	13°v40'48"	03°v34'35"	18°v24'25"	15°v29'41"	18°v42'00"	10°v23'14"	09°v45'43"	29°m23'04"	23°v49'21"	24°v20'33"	10°v50'53"	
1981-01-25	26°v02'54"	04°v35'35"	20°v00'39"	16°v44'47"	19°v29'26"	10°v23'21"	09°v45'08"	29°m25'09"	23°v51'11"	24°v20'39"	10°v51'40"	
1981-01-26	08°v11'33"	05°v36'35"	21°v35'04"	17°v59'52"	20°v16'53"	10°v23'17"	09°v44'26"	29°m27'11"	23°v53'00"	24°v20'41"	10°v52'22"	
1981-01-27	20°v10'28"	06°v37'33"	23°v07'14"	19°v14'58"	21°v04'20"	10°v23'01"	09°v43'38"	29°m29'10"	23°v54'47"	24°v20'42"	10°v52'52"	
1981-01-28	02°v03'58"	07°v38'32"	24°v36'41"	20°v30'04"	21°v51'47"	10°v22'34"	09°v42'43"	29°m31'07"	23°v56'34"	24°v20'41"	10°v53'09"	
1981-01-29	13°v56'40"	08°v39'29"	26°v02'51"	21°v45'10"	22°v39'15"	10°v21'56"	09°v41'42"	29°m33'00"	23°v58'19"	24°v20'37"	10°v53'14"	
1981-01-30	25°v53'23"	09°v40'26"	27°v25'09"	23°v00'17"	23°v26'43"	10°v21'06"	09°v40'35"	29°m34'51"	24°v00'03"	24°v20'32"	10°v53'15"	
1981-01-31	07°v58'13"	10°v41'22"	28°v42'55"	24°v15'23"	24°v14'12"	10°v20'04"	09°v39'22"	29°m36'38"	24°v01'45"	24°v20'24"	10°v53'17"	
1981-02-01	20°v16'36"	11°v42'17"	29°v55'25"	25°v30'29"	25°v01'40"	10°v18'51"	09°v38'02"	29°m38'23"	24°v03'26"	24°v20'14"	10°v53'27"	
1981-02-02	02°v50'41"	12°v43'12"	01°v01'56"	26°v45'36"	25°v49'09"	10°v17'26"	09°v36'36"	29°m40'05"	24°v05'06"	24°v20'02"	10°v53'46"	
1981-02-03	15°v43'21"	13°v44'06"	02°v01'39"	28°v00'42"	26°v36'38"	10°v15'51"	09°v35'04"	29°m41'44"	24°v06'44"	24°v19'48"	10°v54'11"	
1981-02-04	28°v55'49"	14°v44'58"	02°v53'45"	29°v15'48"	27°v24'07"	10°v14'03"	09°v33'26"	29°m43'20"	24°v08'21"	24°v19'32"	10°v54'37"	
1981-02-05	12°v27'50"	15°v45'50"	03°v37'29"	00°v30'54"	28°v11'35"	10°v12'04"	09°v31'41"	29°m44'53"	24°v09'56"	24°v19'14"	10°v54'54"	
1981-02-06	26°v17'37"	16°v46'41"	04°v12'06"	01°v46'00"	28°v59'04"	10°v09'54"	09°v29'51"	29°m46'23"	24°v11'30"	24°v18'53"	10°v54'55"	R
1981-02-07	10°v21'59"	17°v47'30"	04°v36'57"	03°v01'05"	29°v46'32"	10°v07'33"	09°v27'54"	29°m47'49"	24°v13'02"	24°v18'31"	10°v54'35"	R
1981-02-08	24°v36'46"	18°v48'18"	04°v51'28"	04°v16'10"	00°v34'00"	10°v05'01"	09°v25'52"	29°m49'13"	24°v14'33"	24°v18'06"	10°v53'54"	R
1981-02-09	08°v57'20"	19°v49'04"	04°v55'19"	05°v31'14"	01°v21'28"	10°v02'17"	09°v23'44"	29°m50'33"	24°v16'02"	24°v17'39"	10°v52'58"	R
1981-02-10	23°v19'07"	20°v49'49"	04°v48'18"	06°v46'18"	02°v08'55"	09°v59'22"	09°v21'30"	29°m51'50"	24°v17'29"	24°v17'10"	10°v51'57"	R
1981-02-11	07°v38'07"	21°v50'32"	04°v30'31"	08°v01'22"	02°v56'21"	09°v56'17"	09°v19'10"	29°m53'04"	24°v18'55"	24°v16'40"	10°v51'03"	R
1981-02-12	21°v51'06"	22°v51'14"	04°v02'19"	09°v16'25"	03°v43'47"	09°v53'01"	09°v16'45"	29°m54'15"	24°v20'19"	24°v16'07"	10°v50'28"	R
1981-02-13	05°v55'45"	23°v51'54"	03°v24'21"	10°v31'28"	04°v31'12"	09°v49'35"	09°v14'14"	29°m55'23"	24°v21'42"	24°v15'32"	10°v50'20"	R
1981-02-14	19°v50'29"	24°v52'32"	02°v37'36"	11°v46'30"	05°v18'37"	09°v45'58"	09°v11'38"	29°m56'28"	24°v23'03"	24°v14'56"	10°v50'39"	R
1981-02-15	03°v34'20"	25°v53'09"	01°v43'17"	13°v01'32"	06°v06'00"	09°v42'10"	09°v08'57"	29°m57'30"	24°v24'22"	24°v14'17"	10°v51'17"	R
1981-02-16	17°v06'41"	26°v53'44"	00°v42'54"	14°v16'33"	06°v53'23"	09°v38'13"	09°v06'10"	29°m58'28"	24°v25'39"	24°v13'37"	10°v52'02"	R
1981-02-17	00°v27'01"	27°v54'17"	29°v38'08"	15°v31'33"	07°v40'46"	09°v34'05"	09°v03'18"	29°m59'23"	24°v26'55"	24°v12'54"	10°v52'32"	R
1981-02-18	13°v34'52"	28°v54'49"	28°v30'46"	16°v46'34"	08°v28'07"	09°v29'47"	09°v00'21"	00°v00'15"	24°v28'09"	24°v12'10"	10°v52'28"	R
1981-02-19	26°v29'50"	29°v55'18"	27°v22'36"	18°v01'33"	09°v15'27"	09°v25'20"	08°v57'19"	00°v01'04"	24°v29'21"	24°v11'24"	10°v51'34"	R
1981-02-20	09°v11'44"	00°v55'47"	26°v15'22"	19°v16'33"	10°v02'47"	09°v20'42"	08°v54'12"	00°v01'49"	24°v30'32"	24°v10'36"	10°v49'41"	R
1981-02-21	21°v40'52"	01°v56'14"	25°v10'40"	20°v31'32"	10°v50'05"	09°v15'56"	08°v51'00"	00°v02'31"	24°v31'40"	24°v09'46"	10°v46'52"	R
1981-02-22	03°v58'02"	02°v56'39"	24°v09'52"	21°v46'30"	11°v37'22"	09°v10'59"	08°v47'43"	00°v03'10"	24°v32'47"	24°v08'54"	10°v43'20"	R
1981-02-23	16°v04'48"	03°v57'03"	23°v14'08"	23°v01'28"	12°v24'39"	09°v05'54"	08°v44'22"	00°v03'45"	24°v33'52"	24°v08'00"	10°v39'30"	R
1981-02-24	28°v03'26"	04°v57'25"	22°v24'21"	24°v16'26"	13°v11'55"	09°v00'40"	08°v40'56"	00°v04'18"	24°v34'55"	24°v07'05"	10°v35'50"	R
1981-02-25	09°v56'59"	05°v57'46"	21°v41'10"	25°v31'23"	13°v59'09"	08°v55'17"	08°v37'26"	00°v04'47"	24°v35'56"	24°v06'08"	10°v32'51"	R
1981-02-26	21°v49'14"	06°v58'05"	21°v04'59"	26°v46'20"	14°v46'23"	08°v49'45"	08°v33'52"	00°v05'13"	24°v36'56"	24°v05'09"	10°v30'54"	R
1981-02-27	03°v44'31"	07°v58'23"	20°v36'01"	28°v01'17"	15°v33'35"	08°v44'05"	08°v30'13"	00°v05'35"	24°v37'53"	24°v04'09"	10°v30'12"	R

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1981-02-28	15°↗47'31"	08°↖58'40"	20°↗14'18" R _x	29°↗16'13"	16°↖20'46"	08°↖38'16" R _x	08°↖26'30" R _x	00°↗05'55"	24°↗38'49"	24°↖03'07" R _x	10°↖30'42"	
1981-02-29	28°↗03'02"	09°↖58'55"	19°↗59'45" R _x	00°↖31'09"	17°↖07'57"	08°↖32'20" R _x	08°↖22'44" R _x	00°↗06'11"	24°↗39'43"	24°↖02'03" R _x	10°↖32'07"	
1981-03-02	10°↖35'37"	10°↖59'09"	19°↗52'11" R _x	01°↖46'04"	17°↖55'06"	08°↖26'15" R _x	08°↖18'53" R _x	00°↗06'24"	24°↗40'35"	24°↖00'58" R _x	10°↖33'55"	
1981-03-03	23°↖29'19"	11°↖59'21"	19°↗51'20"	03°↖00'59"	18°↖42'13"	08°↖20'04" R _x	08°↖14'59" R _x	00°↗06'33"	24°↗41'25"	23°↖59'51" R _x	10°↖35'30"	
1981-03-04	06°↗47'03"	12°↖59'31"	19°↗56'53"	04°↖15'53"	19°↖29'20"	08°↖13'45" R _x	08°↖11'01" R _x	00°↗06'40"	24°↗42'13"	23°↖58'43" R _x	10°↖36'15"	
1981-03-05	20°↗30'07"	13°↖59'40"	20°↗08'29"	05°↖30'47"	20°↖16'25"	08°↖07'18" R _x	08°↖07'00" R _x	00°↗06'43"	24°↗42'59"	23°↖57'33" R _x	10°↖35'41" R _x	
1981-03-06	04°↖37'31"	14°↖59'47"	20°↗25'49"	06°↖45'40"	21°↖03'29"	08°↖00'45" R _x	08°↖02'55" R _x	00°↗06'42" R _x	24°↗43'44"	23°↖56'22" R _x	10°↖33'33" R _x	
1981-03-07	19°↖05'40"	15°↖59'52"	20°↗48'30"	08°↖00'32"	21°↖50'31"	07°↖54'06" R _x	07°↖58'47" R _x	00°↗06'39" R _x	24°↗44'26"	23°↖55'09" R _x	10°↖29'55" R _x	
1981-03-08	03°↖48'34"	16°↖59'56"	21°↗16'12"	09°↖15'24"	22°↖37'31"	07°↖47'20" R _x	07°↖54'35" R _x	00°↗06'32" R _x	24°↗45'06"	23°↖53'54" R _x	10°↖25'06" R _x	
1981-03-09	18°↖38'29"	17°↖59'57"	21°↗48'36"	10°↖30'14"	23°↖24'30"	07°↖40'28" R _x	07°↖50'21" R _x	00°↗06'22" R _x	24°↗45'44"	23°↖52'38" R _x	10°↖19'40" R _x	
1981-03-10	03°↖27'15"	18°↖59'56"	22°↗25'22"	11°↖45'04"	24°↖11'27"	07°↖33'31" R _x	07°↖46'04" R _x	00°↗06'09" R _x	24°↗46'20"	23°↖51'21" R _x	10°↖14'20" R _x	
1981-03-11	18°↖07'24"	19°↖59'53"	23°↗06'13"	12°↖59'54"	24°↖58'23"	07°↖26'28" R _x	07°↖41'45" R _x	00°↗05'52" R _x	24°↗46'54"	23°↖50'03" R _x	10°↖09'47" R _x	
1981-03-12	02°↖33'16"	20°↖59'48"	23°↗50'53"	14°↖14'42"	25°↖45'16"	07°↖19'21" R _x	07°↖37'23" R _x	00°↗05'32" R _x	24°↗47'26"	23°↖48'43" R _x	10°↖06'30" R _x	
1981-03-13	16°↖41'25"	21°↖59'41"	24°↗39'06"	15°↖29'29"	26°↖32'08"	07°↖12'09" R _x	07°↖32'59" R _x	00°↗05'10" R _x	24°↗47'57"	23°↖47'22" R _x	10°↖04'45" R _x	
1981-03-14	00°↖30'34"	22°↖59'32"	25°↗30'39"	16°↖44'16"	27°↖18'58"	07°↖04'52" R _x	07°↖28'33" R _x	00°↗04'44" R _x	24°↗48'25"	23°↖46'00" R _x	10°↖04'24"	
1981-03-15	14°↖01'13"	23°↖59'20"	26°↗25'18"	17°↖59'01"	28°↖05'46"	06°↖57'32" R _x	07°↖24'04" R _x	00°↗04'15" R _x	24°↗48'51"	23°↖44'36" R _x	10°↖05'00"	
1981-03-16	27°↖14'55"	24°↖59'07"	27°↗22'53"	19°↖13'46"	28°↖52'31"	06°↖50'07" R _x	07°↖19'34" R _x	00°↗03'43" R _x	24°↗49'16"	23°↖43'12" R _x	10°↖05'49"	
1981-03-17	10°↖13'41"	25°↖58'50"	28°↗23'13"	20°↖28'29"	29°↖39'15"	06°↖42'39" R _x	07°↖15'02" R _x	00°↗03'07" R _x	24°↗49'38"	23°↖41'46" R _x	10°↖06'01" R _x	
1981-03-18	22°↖59'31"	26°↖58'32"	29°↗26'08"	21°↖43'12"	00°↖25'57"	06°↖35'08" R _x	07°↖10'28" R _x	00°↗02'29" R _x	24°↗49'58"	23°↖40'20" R _x	10°↖04'47" R _x	
1981-03-19	05°↖34'08"	27°↖58'11"	00°↖31'30"	22°↖57'54"	01°↖12'37"	06°↖27'34" R _x	07°↖05'53" R _x	00°↗01'47" R _x	24°↗50'16"	23°↖38'52" R _x	10°↖01'30" R _x	
1981-03-20	17°↖58'52"	28°↖57'49"	01°↖39'10"	24°↖12'35"	01°↖59'14"	06°↖19'58" R _x	07°↖01'17" R _x	00°↗01'03" R _x	24°↗50'32"	23°↖37'23" R _x	09°↖05'52" R _x	
1981-03-21	00°↖14'49"	29°↖57'24"	02°↖49'03"	25°↖27'15"	02°↖45'49"	06°↖12'19" R _x	06°↖56'39" R _x	00°↗00'15" R _x	24°↗50'46"	23°↖35'53" R _x	09°↖48'02" R _x	
1981-03-22	12°↖22'57"	00°↖56'57"	04°↖01'02"	26°↖41'54"	03°↖32'23"	06°↖04'39" R _x	06°↖52'01" R _x	29°↖59'25" R _x	24°↗50'58"	23°↖34'22" R _x	09°↖38'32" R _x	
1981-03-23	24°↖24'19"	01°↖56'28"	05°↖15'02"	27°↖56'32"	04°↖18'54"	05°↖56'57" R _x	06°↖47'21" R _x	29°↖58'31" R _x	24°↗51'08"	23°↖32'50" R _x	09°↖28'12" R _x	
1981-03-24	06°↖20'16"	02°↖55'58"	06°↖30'57"	29°↖11'09"	05°↖05'23"	05°↖49'13" R _x	06°↖42'41" R _x	29°↖57'35" R _x	24°↗51'16"	23°↖31'18" R _x	09°↖18'05" R _x	
1981-03-25	18°↖12'46"	03°↖55'25"	07°↖48'43"	00°↖25'46"	05°↖51'50"	05°↖41'29" R _x	06°↖38'00" R _x	29°↖56'36" R _x	24°↗51'23"	23°↖29'45" R _x	09°↖09'08" R _x	
1981-03-26	00°↗04'24"	04°↖54'51"	09°↖08'16"	01°↖40'22"	06°↖38'15"	05°↖33'44" R _x	06°↖33'19" R _x	29°↖55'33" R _x	24°↗51'27"	23°↖28'11" R _x	09°↖02'11" R _x	
1981-03-27	11°↖58'35"	05°↖54'15"	10°↖29'33"	02°↖54'57"	07°↖24'37"	05°↖25'59" R _x	06°↖28'38" R _x	29°↖54'28" R _x	24°↗51'29"	23°↖26'36" R _x	08°↖07'36" R _x	
1981-03-28	23°↗59'24"	06°↖53'37"	11°↖52'31"	04°↖09'31"	08°↖10'58"	05°↖18'14" R _x	06°↖23'57" R _x	29°↖53'21" R _x	24°↗51'29" R _x	23°↖25'00" R _x	08°↖55'24" R _x	
1981-03-29	06°↖11'27"	07°↖52'57"	13°↖17'07"	05°↖24'05"	08°↖57'16"	05°↖10'29" R _x	06°↖19'15" R _x	29°↖52'10" R _x	24°↗51'27" R _x	23°↖23'24" R _x	08°↖55'04" R _x	
1981-03-30	18°↖39'36"	08°↖52'16"	14°↖43'20"	06°↖38'38"	09°↖43'32"	05°↖02'45" R _x	06°↖14'34" R _x	29°↖50'57" R _x	24°↗51'23" R _x	23°↖21'47" R _x	08°↖55'47" R _x	
1981-03-31	01°↗28'41"	09°↖51'32"	16°↖11'06"	07°↖53'10"	10°↖29'46"	04°↖55'02" R _x	06°↖09'53" R _x	29°↖49'41" R _x	24°↗51'18" R _x	23°↖20'10" R _x	08°↖56'30" R _x	
1981-04-01	14°↗43'01"	10°↖50'47"	17°↖40'26"	09°↖07'41"	11°↖15'58"	04°↖47'20" R _x	06°↖05'13" R _x	29°↖48'22" R _x	24°↗51'10" R _x	23°↖18'32" R _x	08°↖56'13" R _x	
1981-04-02	28°↗25'35"	11°↖50'01"	19°↖11'16"	10°↖22'11"	12°↖02'07"	04°↖39'40" R _x	06°↖00'33" R _x	29°↖47'00" R _x	24°↗51'00" R _x	23°↖16'53" R _x	08°↖54'04" R _x	
1981-04-03	12°↖37'07"	12°↖49'12"	20°↖43'37"	11°↖36'41"	12°↖48'14"	04°↖32'02" R _x	05°↖55'54" R _x	29°↖45'36" R _x	24°↗50'48" R _x	23°↖15'14" R _x	08°↖49'38" R _x	
1981-04-04	27°↖15'15"	13°↖48'21"	22°↖17'28"	12°↖51'09"	13°↖34'18"	04°↖24'26" R _x	05°↖51'16" R _x	29°↖44'09" R _x	24°↗50'34" R _x	23°↖13'34" R _x	08°↖42'53" R _x	
1981-04-05	12°↖14'04"	14°↖47'29"	23°↖52'48"	14°↖05'37"	14°↖20'20"	04°↖16'53" R _x	05°↖46'39" R _x	29°↖42'40" R _x	24°↗50'18" R _x	23°↖11'55" R _x	08°↖34'19" R _x	
1981-04-06	27°↖24'38"	15°↖46'34"	25°↖29'36"	15°↖20'04"	15°↖06'19"	04°↖09'23" R _x	05°↖42'03" R _x	29°↖41'08" R _x	24°↗50'01" R _x	23°↖10'14" R _x	08°↖24'44" R _x	
1981-04-07	12°↖36'21"	16°↖45'37"	27°↖07'54"	16°↖34'29"	15°↖52'16"	04°↖01'56" R _x	05°↖37'29" R _x	29°↖39'33" R _x	24°↗49'41" R _x	23°↖08'34" R _x	08°↖21'10" R _x	
1981-04-08	27°↖38'41"	17°↖44'39"	28°↖47'40"	17°↖48'54"	16°↖38'10"	03°↖54'33" R _x	05°↖32'57" R _x	29°↖37'56" R _x	24°↗49'20" R _x	23°↖06'53" R _x	08°↖06'38" R _x	
1981-04-09	12°↖23'06"	18°↖43'38"	00°↖28'56"	19°↖03'18"	17°↖24'02"	03°↖47'14" R _x	05°↖28'26" R _x	29°↖36'17" R _x	24°↗48'56" R _x	23°↖05'12" R _x	07°↖59'56" R _x	
1981-04-10	26°↖44'01"	19°↖42'35"	02°↖11'41"	20°↖17'40"	18°↖09'51"	03°↖39'59" R _x	05°↖23'57" R _x	29°↖34'36" R _x	24°↗48'31" R _x	23°↖03'31" R _x	07°↖55'27" R _x	
1981-04-11	10°↖39'13"	20°↖41'29"	03°↖55'56"	21°↖32'01"	18°↖55'36"	03°↖32'49" R _x	05°↖19'30" R _x	29°↖32'52" R _x	24°↗48'04" R _x	23°↖01'50" R _x	07°↖53'06" R _x	
1981-04-12	24°↖09'17"	21°↖40'21"	05°↖41'41"	22°↖46'22"	19°↖41'20"	03°↖25'44" R _x	05°↖15'06" R _x	29°↖31'06" R _x	24°↗47'35" R _x	23°↖00'08" R _x	07°↖52'19" R _x	
1981-04-13	07°↖16'43"	22°↖39'11"	07°↖28'58"	24°↖00'40"	20°↖27'00"	03°↖18'44" R _x	05°↖10'44" R _x	29°↖29'18" R _x	24°↗47'04" R _x	22°↖58'27" R _x	07°↖52'08" R _x	
1981-04-14	20°↖04'55"	23°↖37'59"	09°↖17'46"	25°↖14'58"	21°↖12'37"	03°↖11'50" R _x	05°↖06'24" R _x	29°↖27'28" R _x	24°↗46'31" R _x	22°↖56'45" R _x	07°↖51'24" R _x	
1981-04-15	02°↖37'35"	24°↖36'44"	11°↖08'07"	26°↖29'15"	21°↖58'12"	03°↖05'01" R _x	05°↖02'06" R _x	29°↖25'35" R _x	24°↗45'57" R _x	22°↖55'04" R _x	07°↖49'00" R _x	
1981-04-16	14°↖58'06"	25°↖35'27"	13°↖00'00"	27°↖43'30"	22°↖43'43"	02°↖58'18" R _x	04°↖57'52" R _x	29°↖23'41" R _x	24°↗45'20" R _x	22°↖53'22" R _x	07°↖44'03" R _x	
1981-04-17	27°↖09'24"	26°↖34'08"	14°↖53'26"	28°↖57'44"	23°↖29'12"	02°↖51'41" R _x	04°↖53'40" R _x	29°↖21'44" R _x	24°↗44'42" R _x	22°↖51'41" R _x	07°↖36'06" R _x	
1981-04-18	09°↖13'49"	27°↖32'46"	16°↖48'25"	00°↖11'57"	24°↖14'38"	02°↖45'11" R _x	04°↖49'31" R _x	29°↖19'46" R _x	24°↗44'02" R _x	22°↖50'00" R _x	07°↖25'15" R _x	
1981-04-19	21°↖13'10"	28°↖31'23"	18°↖44'56"	01°↖26'09"	25°↖00'01"	02°↖38'47" R _x	04°↖45'25" R _x	29°↖17'46" R _x	24°↗43'20" R _x	22°↖48'19" R _x	07°↖12'06" R _x	
1981-04-20	03°↖08'51"	29°↖29'58"	20°↖42'59"	02°↖40'20"	25°↖45'21"	02°↖32'30" R _x	04°↖41'23" R _x	29°↖15'43" R _x	24°↗42'37" R _x	22°↖46'38" R _x	06°↖57'44" R _x	
1981-04-21	15°↖02'05"	00°↖28'31"	22°↖42'32"	03°↖54'30"	26°↖30'38"	02°↖26'21" R _x	04°↖37'23" R _x	29°↖13'40" R _x	24°↗41'52" R _x	22°↖44'57" R _x	06°↖43'23" R _x	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1981-04-22	26°☾54'15"	01°♁27'02"	24°♁43'32"	05°♁08'39"	27°♁15'53"	02°♁20'18"R	04°♁33'27"R	29°♁11'34"R	24°♁41'05"R	22°♁43'17"R	06°♁30'23"R
1981-04-23	08°♁47'07"	02°♁25'31"	26°♁45'58"	06°♁22'48"	28°♁01'04"	02°♁14'24"R	04°♁29'35"R	29°♁09'27"R	24°♁40'17"R	22°♁41'37"R	06°♁19'45"R
1981-04-24	20°♁43'03"	03°♁23'59"	28°♁49'44"	07°♁36'55"	28°♁46'13"	02°♁08'37"R	04°♁25'47"R	29°♁07'18"R	24°♁39'26"R	22°♁39'58"R	06°♁12'07"R
1981-04-25	02°♁45'10"	04°♁22'25"	00°♁54'45"	08°♁51'01"	29°♁31'19"	02°♁02'58"R	04°♁22'02"R	29°♁05'07"R	24°♁38'35"R	22°♁38'19"R	06°♁07'35"R
1981-04-26	14°♁57'14"	05°♁20'49"	03°♁00'55"	10°♁05'06"	00°♁16'22"	01°♁57'27"R	04°♁18'21"R	29°♁02'55"R	24°♁37'42"R	22°♁36'41"R	06°♁05'40"R
1981-04-27	27°♁23'32"	06°♁19'12"	05°♁08'05"	11°♁19'11"	01°♁01'22"	01°♁52'04"R	04°♁14'44"R	29°♁00'42"R	24°♁36'47"R	22°♁35'02"R	06°♁05'27"
1981-04-28	10°♁08'42"	07°♁17'33"	07°♁16'06"	12°♁33'15"	01°♁46'20"	01°♁46'50"R	04°♁11'11"R	28°♁58'27"R	24°♁35'50"R	22°♁33'25"R	06°♁05'44"
1981-04-29	23°♁17'17"	08°♁15'53"	09°♁24'47"	13°♁47'17"	02°♁31'14"	01°♁41'45"R	04°♁07'42"R	28°♁56'11"R	24°♁34'52"R	22°♁31'48"R	06°♁05'19"R
1981-04-30	06°♁53'07"	09°♁14'11"	11°♁33'54"	15°♁01'19"	03°♁16'06"	01°♁36'49"R	04°♁04'17"R	28°♁53'53"R	24°♁33'52"R	22°♁30'11"R	06°♁03'09"R
1981-05-01	20°♁58'16"	10°♁12'27"	13°♁43'13"	16°♁15'20"	04°♁00'54"	01°♁32'01"R	04°♁00'57"R	28°♁51'34"R	24°♁32'51"R	22°♁28'36"R	05°♁58'37"R
1981-05-02	05°♁32'01"	11°♁10'42"	15°♁52'29"	17°♁29'20"	04°♁45'40"	01°♁27'23"R	03°♁57'41"R	28°♁49'14"R	24°♁31'49"R	22°♁27'00"R	05°♁51'34"R
1981-05-03	20°♁30'03"	12°♁08'56"	18°♁01'25"	18°♁43'20"	05°♁30'22"	01°♁22'54"R	03°♁54'30"R	28°♁46'53"R	24°♁30'44"R	22°♁25'26"R	05°♁42'25"R
1981-05-04	05°♁44'25"	13°♁07'08"	20°♁09'43"	19°♁57'18"	06°♁15'02"	01°♁18'35"R	03°♁51'24"R	28°♁44'31"R	24°♁29'39"R	22°♁23'52"R	05°♁32'00"R
1981-05-05	21°♁04'27"	14°♁05'18"	22°♁8'17"06"	21°♁11'15"	06°♁59'38"	01°♁14'25"R	03°♁48'22"R	28°♁42'07"R	24°♁28'32"R	22°♁22'19"R	05°♁21'43"R
1981-05-06	06°♁18'33"	15°♁03'26"	24°♁23'14"	22°♁25'12"	07°♁44'12"	01°♁10'26"R	03°♁45'26"R	28°♁39'43"R	24°♁27'24"R	22°♁20'47"R	05°♁11'23"R
1981-05-07	21°♁16'17"	16°♁01'33"	26°♁27'52"	23°♁39'08"	08°♁28'42"	01°♁06'36"R	03°♁42'34"R	28°♁37'18"R	24°♁26'14"R	22°♁19'16"R	05°♁03'53"R
1981-05-08	05°♁49'59"	16°♁59'38"	28°♁30'42"	24°♁53'02"	09°♁13'09"	01°♁02'57"R	03°♁39'48"R	28°♁34'53"R	24°♁25'03"R	22°♁17'46"R	04°♁58'25"R
1981-05-09	19°♁55'40"	17°♁57'41"	00°♁31'28"	26°♁06'56"	09°♁57'33"	00°♁59'27"R	03°♁37'06"R	28°♁32'26"R	24°♁23'51"R	22°♁16'17"R	04°♁55'21"R
1981-05-10	03°♁32'44"	18°♁55'42"	02°♁29'56"	27°♁20'48"	10°♁41'54"	00°♁56'08"R	03°♁34'30"R	28°♁29'59"R	24°♁22'38"R	22°♁14'49"R	04°♁54'12"R
1981-05-11	16°♁43'14"	19°♁53'41"	04°♁25'54"	28°♁34'39"	11°♁26'11"	00°♁53'00"R	03°♁31'59"R	28°♁27'32"R	24°♁21'23"R	22°♁13'22"R	04°♁54'04"R
1981-05-12	29°♁30'48"	20°♁51'39"	06°♁19'10"	29°♁48'29"	12°♁10'25"	00°♁50'01"R	03°♁29'33"R	28°♁25'03"R	24°♁20'07"R	22°♁11'56"R	04°♁53'48"R
1981-05-13	11°♁59'44"	21°♁49'34"	08°♁09'34"	01°♁02'18"	12°♁54'36"	00°♁47'14"R	03°♁27'13"R	28°♁22'34"R	24°♁18'50"R	22°♁10'30"R	04°♁52'16"R
1981-05-14	24°♁14'24"	22°♁47'28"	09°♁57'00"	02°♁16'05"	13°♁38'43"	00°♁44'36"R	03°♁24'58"R	28°♁20'05"R	24°♁17'31"R	22°♁09'06"R	04°♁48'31"R
1981-05-15	06°♁18'52"	23°♁45'20"	11°♁41'18"	03°♁29'52"	14°♁22'47"	00°♁42'10"R	03°♁22'49"R	28°♁17'36"R	24°♁16'12"R	22°♁07'43"R	04°♁42'01"R
1981-05-16	18°♁16'39"	24°♁43'10"	13°♁22'25"	04°♁43'37"	15°♁06'48"	00°♁39'54"R	03°♁20'45"R	28°♁15'06"R	24°♁14'52"R	22°♁06'22"R	04°♁32'45"R
1981-05-17	00°♁10'40"	25°♁40'59"	15°♁00'14"	05°♁57'22"	15°♁50'46"	00°♁37'48"R	03°♁18'46"R	28°♁12'36"R	24°♁13'30"R	22°♁05'01"R	04°♁21'13"R
1981-05-18	12°♁03'08"	26°♁38'46"	16°♁34'42"	07°♁11'05"	16°♁34'40"	00°♁35'54"R	03°♁16'54"R	28°♁10'06"R	24°♁12'07"R	22°♁03'42"R	04°♁08'22"R
1981-05-19	23°♁55'47"	27°♁36'31"	18°♁05'46"	08°♁24'47"	17°♁18'31"	00°♁34'10"R	03°♁15'07"R	28°♁07'35"R	24°♁10'44"R	22°♁02'24"R	03°♁55'22"R
1981-05-20	05°♁50'04"	28°♁34'15"	19°♁33'22"	09°♁38'29"	18°♁02'19"	00°♁32'37"R	03°♁13'25"R	28°♁05'05"R	24°♁09'20"R	22°♁01'07"R	03°♁43'29"R
1981-05-21	17°♁47'24"	29°♁31'58"	20°♁57'27"	10°♁52'10"	18°♁46'04"	00°♁31'15"R	03°♁11'50"R	28°♁02'35"R	24°♁07'54"R	21°♁59'52"R	03°♁33'44"R
1981-05-22	29°♁49'30"	00°♁29'40"	22°♁17'58"	12°♁05'49"	19°♁29'46"	00°♁30'03"R	03°♁10'20"R	28°♁00'05"R	24°♁06'28"R	21°♁58'38"R	03°♁26'47"R
1981-05-23	11°♁58'28"	01°♁27'21"	23°♁34'54"	13°♁19'28"	20°♁13'24"	00°♁29'03"R	03°♁08'56"R	27°♁57'35"R	24°♁05'01"R	21°♁57'25"R	03°♁22'48"R
1981-05-24	24°♁16'57"	02°♁25'00"	24°♁48'09"	14°♁33'06"	20°♁57'00"	00°♁28'13"R	03°♁07'38"R	27°♁55'05"R	24°♁03'33"R	21°♁56'14"R	03°♁21'27"R
1981-05-25	06°♁48'06"	03°♁22'38"	25°♁57'43"	15°♁46'43"	21°♁40'32"	00°♁27'34"R	03°♁06'26"R	27°♁52'36"R	24°♁02'05"R	21°♁55'04"R	03°♁21'58"
1981-05-26	19°♁35'27"	04°♁20'16"	27°♁03'30"	17°♁00'19"	22°♁24'01"	00°♁27'06"R	03°♁05'20"R	27°♁50'06"R	24°♁00'35"R	21°♁53'56"R	03°♁23'17"
1981-05-27	02°♁42'45"	05°♁17'52"	28°♁05'29"	18°♁13'55"	23°♁07'27"	00°♁26'48"R	03°♁04'19"R	27°♁47'38"R	23°♁59'05"R	21°♁52'49"R	03°♁24'18"
1981-05-28	16°♁13'19"	06°♁15'27"	29°♁03'34"	19°♁27'29"	23°♁50'50"	00°♁26'42"R	03°♁03'25"R	27°♁45'09"R	23°♁57'34"R	21°♁51'43"R	03°♁24'01"R
1981-05-29	00°♁09'25"	07°♁13'02"	29°♁57'41"	20°♁41'03"	24°♁34'09"	00°♁26'46"R	03°♁02'36"R	27°♁42'41"R	23°♁56'02"R	21°♁50'39"R	03°♁21'50"R
1981-05-30	14°♁31'15"	08°♁10'36"	00°♁47'47"	21°♁54'37"	25°♁17'26"	00°♁27'01"R	03°♁01'54"R	27°♁40'14"R	23°♁54'30"R	21°♁49'37"R	03°♁17'30"R
1981-05-31	29°♁16'12"	09°♁08'09"	01°♁33'47"	23°♁08'09"	26°♁00'39"	00°♁27'27"R	03°♁01'17"R	27°♁37'47"R	23°♁52'57"R	21°♁48'36"R	03°♁11'18"R
1981-06-01	14°♁18'25"	10°♁05'41"	02°♁15'35"	24°♁21'41"	26°♁43'50"	00°♁28'04"R	03°♁00'47"R	27°♁35'21"R	23°♁51'24"R	21°♁47'37"R	03°♁03'50"R
1981-06-02	29°♁29'17"	11°♁03'12"	02°♁53'08"	25°♁35'12"	27°♁26'57"	00°♁28'52"R	03°♁00'23"R	27°♁32'56"R	23°♁49'50"R	21°♁46'39"R	02°♁56'01"R
1981-06-03	14°♁38'30"	12°♁00'42"	03°♁26'21"	26°♁48'42"	28°♁10'00"	00°♁29'51"R	03°♁00'05"R	27°♁30'32"R	23°♁48'16"R	21°♁45'44"R	02°♁48'47"R
1981-06-04	29°♁35'59"	12°♁58'11"	03°♁55'09"	28°♁02'11"	28°♁53'01"	00°♁31'00"R	02°♁59'53"R	27°♁28'08"R	23°♁46'41"R	21°♁44'50"R	02°♁42'57"R
1981-06-05	14°♁13'19"	13°♁55'40"	04°♁19'28"	29°♁15'40"	29°♁35'58"	00°♁32'20"R	02°♁59'47"R	27°♁25'46"R	23°♁45'06"R	21°♁43'57"R	02°♁39'00"R
1981-06-06	28°♁25'05"	14°♁53'07"	04°♁39'15"	00°♁29'07"	00°♁18'52"	00°♁33'51"R	02°♁59'48"R	27°♁23'25"R	23°♁43'31"R	21°♁43'07"R	02°♁37'05"R
1981-06-07	12°♁09'02"	15°♁50'33"	04°♁54'27"	01°♁42'34"	01°♁01'43"	00°♁35'33"R	02°♁59'54"R	27°♁21'04"R	23°♁41'55"R	21°♁42'18"R	02°♁36'54"
1981-06-08	25°♁25'47"	16°♁47'57"	05°♁05'04"	02°♁55'59"	01°♁44'30"	00°♁37'25"R	03°♁00'07"R	27°♁18'45"R	23°♁40'19"R	21°♁41'30"R	02°♁37'49"
1981-06-09	08°♁17'58"	17°♁45'21"	05°♁11'04"	04°♁09'23"	02°♁27'13"	00°♁39'27"R	03°♁00'26"R	27°♁16'27"R	23°♁38'42"R	21°♁40'45"R	02°♁39'00"
1981-06-10	20°♁49'26"	18°♁42'44"	05°♁12'30"R	05°♁22'46"	03°♁09'53"	00°♁41'40"R	03°♁00'50"R	27°♁14'10"R	23°♁37'05"R	21°♁40'01"R	02°♁39'33"R
1981-06-11	03°♁04'37"	19°♁40'05"	05°♁09'26"R	06°♁36'08"	03°♁52'30"	00°♁44'03"R	03°♁01'21"R	27°♁11'55"R	23°♁35'28"R	21°♁39'19"R	02°♁38'46"R
1981-06-12	15°♁08'02"	20°♁37'25"	05°♁01'59"R	07°♁49'29"	04°♁35'04"	00°♁46'37"R	03°♁01'58"R	27°♁09'41"R	23°♁33'51"R	21°♁38'39"R	02°♁36'09"R
1981-06-13	27°♁04'02"	21°♁34'45"	04°♁50'16"R	09°♁22'49"	05°♁17'34"	00°♁49'21"R	03°♁02'41"R	27°♁07'28"R	23°♁32'14"R	21°♁38'01"R	02°♁31'38"R

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Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1981-06-14	08°☾56'29"	22°☉32'03"	04°♀34'31" R _x	10°♀16'08"	06°♂00'00"	00°♃52'15"	03°♄03'30"	27°♅05'17" R _x	23°♆30'37" R _x	21°♁37'24" R _x	02°♂25'29" R _x	
1981-06-15	20°☾48'38"	23°☉29'21"	04°♀14'59" R _x	11°♀29'25"	06°♂14'24"	00°♃55'19"	03°♄04'25"	27°♅03'07" R _x	23°♆29'00" R _x	21°♁36'50" R _x	02°♂18'21" R _x	
1981-06-16	02°☾43'06"	24°☉26'38"	03°♀51'57" R _x	12°♀42'42"	07°♂12'44"	00°♃58'33"	03°♄05'26"	27°♅00'59" R _x	23°♆27'23" R _x	21°♁36'17" R _x	02°♂11'00" R _x	
1981-06-17	14°☾41'57"	25°☉23'55"	03°♀25'48" R _x	13°♀55'58"	08°♂07'01"	01°♃01'57"	03°♄06'34"	26°♅58'53" R _x	23°♆25'45" R _x	21°♁35'47" R _x	02°♂04'17" R _x	
1981-06-18	26°☾46'54"	26°☉21'10"	02°♀56'57" R _x	15°♀09'12"	08°♂14'9'15"	01°♃05'31"	03°♄07'47"	26°♅56'48" R _x	23°♆24'08" R _x	21°♁35'18" R _x	01°♂58'55" R _x	
1981-06-19	08°☾59'25"	27°☉18'26"	02°♀25'52" R _x	16°♀22'26"	09°♂31'26"	01°♃09'14"	03°♄09'06"	26°♅54'45" R _x	23°♆22'32" R _x	21°♁34'51" R _x	01°♂55'22" R _x	
1981-06-20	21°☾50'57"	28°☉15'40"	01°♀53'02" R _x	17°♀35'38"	10°♂13'33"	01°♃13'07"	03°♄10'31"	26°♅52'44" R _x	23°♆20'55" R _x	21°♁34'26" R _x	01°♂53'47" R _x	
1981-06-21	03°☾53'01"	29°☉12'55"	01°♀19'02" R _x	18°♀48'49"	10°♂15'37"	01°♃17'10"	03°♄12'02"	26°♅50'45" R _x	23°♆19'18" R _x	21°♁34'03" R _x	01°♂53'57" R _x	
1981-06-22	16°☾37'22"	00°☉10'09"	00°♀44'26" R _x	20°♀02'00"	11°♂13'38"	01°♃21'23"	03°♄13'38"	26°♅48'47" R _x	23°♆17'42" R _x	21°♁33'42" R _x	01°♂55'23" R _x	
1981-06-23	29°☾35'52"	01°☉07'23"	00°♀09'48" R _x	21°♀15'09"	12°♂19'36"	01°♃25'44"	03°♄15'21"	26°♅46'51" R _x	23°♆16'06" R _x	21°♁33'23" R _x	01°♂57'24" R _x	
1981-06-24	12°☾50'34"	02°☉04'36"	29°♂35'46" R _x	22°♀28'18"	13°♂01'31"	01°♃30'16"	03°♄17'09"	26°♅44'58" R _x	23°♆14'30" R _x	21°♁33'06" R _x	01°♂59'19" R _x	
1981-06-25	26°☾23'15"	03°☉01'50"	29°♂02'53" R _x	23°♀41'25"	13°♂43'22"	01°♃34'56"	03°♄19'03"	26°♅43'06" R _x	23°♆12'54" R _x	21°♁32'50" R _x	02°♂00'30" R _x	
1981-06-26	10°☾15'07"	03°☉59'03"	28°♂13'45" R _x	24°♀54'32"	14°♂25'11"	01°♃39'46"	03°♄21'03"	26°♅41'16" R _x	23°♆11'18" R _x	21°♁32'37" R _x	02°♂00'33" R _x	
1981-06-27	24°☾26'09"	04°☉56'17"	28°♂02'53" R _x	26°♀07'38"	15°♂06'56"	01°♃44'44"	03°♄23'09"	26°♅39'28" R _x	23°♆09'43" R _x	21°♁32'25" R _x	01°♂59'18" R _x	
1981-06-28	08°☾54'33"	05°☉53'30"	27°♂36'47" R _x	27°♀20'43"	15°♂14'39"	01°♃49'52"	03°♄25'20"	26°♅37'43" R _x	23°♆08'09" R _x	21°♁32'16" R _x	01°♂56'54" R _x	
1981-06-29	23°☾36'26"	06°☉50'44"	27°♂13'54" R _x	28°♀33'47"	16°♂30'18"	01°♃55'09"	03°♄27'38"	26°♅36'00" R _x	23°♆06'35" R _x	21°♁32'09" R _x	01°♂53'42" R _x	
1981-06-30	08°♂25'56"	07°☉47'58"	26°♂54'39" R _x	29°♀46'50"	17°♂11'54"	02°♃00'35"	03°♄30'01"	26°♅34'19" R _x	23°♆05'01" R _x	21°♁32'04" R _x	01°♂50'12" R _x	
1981-07-01	23°♂15'42"	08°☉45'12"	26°♂39'22" R _x	00°♂59'52"	17°♂53'27"	02°♃06'10"	03°♄32'29"	26°♅32'40" R _x	23°♆03'29" R _x	21°♁32'01" R _x	01°♂46'55" R _x	
1981-07-02	07°☉57'55"	09°☉42'26"	26°♂28'21" R _x	02°♂12'53"	18°♂34'57"	02°♃11'54"	03°♄35'04"	26°♅31'04" R _x	23°♆01'56" R _x	21°♁32'00" R _x	01°♂44'18" R _x	
1981-07-03	22°☉25'25"	10°☉39'39"	26°♂21'51" R _x	03°♂25'53"	19°♂16'23"	02°♃17'47"	03°♄37'43"	26°♅29'30" R _x	23°♆00'24" R _x	21°♁32'01" R _x	01°♂42'39" R _x	
1981-07-04	06°♂32'41"	11°☉36'53"	26°♂20'04"	04°♂38'52"	19°♂57'46"	02°♃23'48"	03°♄40'29"	26°♅27'58" R _x	22°♆58'53" R _x	21°♁32'04" R _x	01°♂42'03" R _x	
1981-07-05	20°♂16'26"	12°☉34'06"	26°♂23'08"	05°♂51'50"	20°♂39'06"	02°♃29'57"	03°♄43'20"	26°♅26'29" R _x	22°♆57'23" R _x	21°♁32'09" R _x	01°♂42'22" R _x	
1981-07-06	03°♂35'44"	13°☉31'19"	26°♂31'10"	07°♂04'46"	21°♂20'23"	02°♃36'15"	03°♄46'16"	26°♅25'02" R _x	22°♆55'53" R _x	21°♁32'16" R _x	01°♂43'19" R _x	
1981-07-07	16°♂31'41"	14°☉28'32"	26°♂44'15"	08°♂17'41"	22°♂01'36"	02°♃42'41"	03°♄49'17"	26°♅23'38" R _x	22°♆54'24" R _x	21°♁32'25" R _x	01°♂44'30" R _x	
1981-07-08	29°♂06'52"	15°☉25'45"	27°♂02'27"	09°♂30'34"	22°♂42'46"	02°♃49'15"	03°♄52'24"	26°♅22'16" R _x	22°♆52'56" R _x	21°♁32'36" R _x	01°♂45'33" R _x	
1981-07-09	11°♂24'54"	16°☉22'57"	27°♂25'45"	10°♂43'26"	23°♂23'52"	02°♃55'58"	03°♄55'37"	26°♅20'57" R _x	22°♆51'28" R _x	21°♁32'49" R _x	01°♂46'10" R _x	
1981-07-10	23°♂30'02"	17°☉20'10"	27°♂15'11"	11°♂56'17"	24°♂04'55"	03°♄02'48"	03°♄58'54"	26°♅19'41" R _x	22°♆50'01" R _x	21°♁33'04" R _x	01°♂46'10" R _x	
1981-07-11	05°♂26'48"	18°☉17'22"	28°♂27'44"	13°♂09'06"	24°♂45'55"	03°♄09'46"	04°♄02'17"	26°♅18'27" R _x	22°♆48'35" R _x	21°♁33'21" R _x	01°♂45'31" R _x	
1981-07-12	17°♂19'40"	19°☉14'34"	29°♂06'21"	14°♂21'54"	25°♂26'52"	03°♄16'52"	04°♄05'45"	26°♅17'16" R _x	22°♆47'11" R _x	21°♁33'40" R _x	01°♂44'23" R _x	
1981-07-13	29°♂12'48"	20°☉11'47"	29°♂50'01"	15°♂34'40"	26°♂07'45"	03°♄24'06"	04°♄09'18"	26°♅16'07" R _x	22°♆45'47" R _x	21°♁34'01" R _x	01°♂42'59" R _x	
1981-07-14	11°♂09'54"	21°☉08'59"	00°♂38'40"	16°♂47'25"	26°♂48'36"	03°♄31'28"	04°♄12'56"	26°♅15'02" R _x	22°♆44'24" R _x	21°♁34'25" R _x	01°♂41'36" R _x	
1981-07-15	23°♂14'04"	22°☉06'12"	01°♂32'17"	18°♂00'08"	27°♂29'23"	03°♄38'56"	04°♄16'39"	26°♅13'59" R _x	22°♆43'02" R _x	21°♁34'50" R _x	01°♂40'28" R _x	
1981-07-16	05°☾27'47"	23°☉03'24"	02°♀30'46"	19°♂12'49"	28°♂10'07"	03°♄46'33"	04°♄20'27"	26°♅12'59" R _x	22°♆41'41" R _x	21°♁35'18" R _x	01°♂39'45" R _x	
1981-07-17	17°☾52'54"	24°☉00'37"	03°♀34'05"	20°♂25'29"	28°♂50'47"	03°♄54'16"	04°♄24'20"	26°♅12'01" R _x	22°♆40'21" R _x	21°♁35'47" R _x	01°♂39'33" R _x	
1981-07-18	00°☾30'45"	24°☉57'51"	04°♀42'10"	21°♂38'07"	29°♂31'25"	04°♄02'07"	04°♄28'18"	26°♅11'07" R _x	22°♆39'03" R _x	21°♁36'18" R _x	01°♂39'47" R _x	
1981-07-19	13°☾22'05"	25°☉55'05"	05°♀54'55"	22°♂50'44"	00°♂12'00"	04°♄10'05"	04°♄32'21"	26°♅10'15" R _x	22°♆37'45" R _x	21°♁36'52" R _x	01°♂40'19" R _x	
1981-07-20	26°☾27'11"	26°☉52'19"	07°♀12'16"	24°♂03'19"	00°♂52'31"	04°♄18'10"	04°♄36'28"	26°♅09'26" R _x	22°♆36'29" R _x	21°♁37'27" R _x	01°♂40'59" R _x	
1981-07-21	09°☾45'58"	27°☉49'34"	08°♀34'08"	25°♂15'52"	01°♂32'59"	04°♄26'22"	04°♄40'40"	26°♅08'40" R _x	22°♆35'13" R _x	21°♁38'05" R _x	01°♂41'36" R _x	
1981-07-22	23°☾18'08"	28°☉46'49"	10°♀00'24"	26°♂28'24"	02°♂13'25"	04°♄34'40"	04°♄44'57"	26°♅07'57" R _x	22°♆33'59" R _x	21°♁38'44" R _x	01°♂42'01" R _x	
1981-07-23	07°☾03'07"	29°☉44'06"	11°♀30'56"	27°♂40'54"	02°♂53'47"	04°♄43'05"	04°♄49'18"	26°♅07'16" R _x	22°♆32'46" R _x	21°♁39'25" R _x	01°♂42'11" R _x	
1981-07-24	21°☾00'06"	00°♂41'23"	13°☉05'35"	28°♂53'23"	03°☉34'06"	04°♄51'37"	04°♄53'44"	26°♅06'39" R _x	22°♆31'34" R _x	21°♁40'08" R _x	01°♂42'07" R _x	
1981-07-25	05°☾07'44"	01°♂38'41"	14°☉44'13"	00°♂05'50"	04°☉14'23"	05°♄00'16"	04°♄58'15"	26°♅06'04" R _x	22°♆30'24" R _x	21°♁40'54" R _x	01°♂41'54" R _x	
1981-07-26	19°☾24'05"	02°♂36'00"	16°☉26'37"	01°♂18'16"	04°☉54'36"	05°♄09'02"	05°♄02'49"	26°♅05'33" R _x	22°♆29'15" R _x	21°♁41'41" R _x	01°♂41'39" R _x	
1981-07-27	03°♂46'28"	03°♂33'21"	18°☉12'35"	02°♂30'40"	05°☉34'47"	05°♄17'53"	05°♄07'29"	26°♅05'05" R _x	22°♆28'07" R _x	21°♁42'30" R _x	01°♂41'27" R _x	
1981-07-28	18°♂11'23"	04°♂30'42"	20°☉01'51"	03°♂43'03"	06°☉14'54"	05°♄26'52"	05°♄12'13"	26°♅04'39" R _x	22°♆27'01" R _x	21°♁43'21" R _x	01°♂41'21" R _x	
1981-07-29	02°☉34'38"	05°☉28'04"	21°☉54'08"	04°♂55'24"	06°☉54'58"	05°♄35'56"	05°♄17'01"	26°♅04'17" R _x	22°♆25'56" R _x	21°♁44'15" R _x	01°♂41'19" R _x	
1981-07-30	16°☉51'40"	06°♂25'27"	23°☉49'09"	06°♂07'44"	07°☉34'59"	05°♄45'07"	05°♄21'54"	26°♅03'58" R _x	22°♆24'52" R _x	21°♁45'10" R _x	01°♂41'16" R _x	
1981-07-31	00°♂57'52"	07°♂22'51"	25°☉46'34"	07°♂20'01"	08°☉14'58"	05°♄54'24"	05°♄26'50"	26°♅03'42" R _x	22°♆23'50" R _x	21°♁46'07" R _x	01°♂41'04" R _x	
1981-08-01	14°♂49'12"	08°♂20'16"	27°☉46'03"	08°♂32'17"	08°☉54'52"	06°♄03'47"	05°♄31'51"	26°♅03'29" R _x	22°♆22'49" R _x	21°♁47'06" R _x	01°♂40'35" R _x	
1981-08-02	28°♂22'37"	09°♂17'41"	29°☉47'16"	09°♂44'31"	09°☉34'44"	06°♄13'16"	05°♄36'56"	26°♅03'18" R _x	22°♆21'50" R _x	21°♁48'07" R _x	01°♂39'43" R _x	
1981-08-03	11°♂36'25"	10°♂15'08"	01°♂49'50"	10°♂56'43"	10°☉14'32"	06°♄22'50"	05°♄42'05"	26°♅03'11" R _x	22°♆20'53" R _x	21°♁49'09" R _x	01°♂38'27" R _x	
1981-08-04	24°♂30'25"	11°♂12'35"	03°♂53'25"	12°♂08'54"	10°☉54'17"	06°♄32'31"	05°♄47'18"	26°♅03'07" R _x	22°♆19'56" R _x	21°♁50'14" R _x	01°♂36'52" R _x	
1981-08-05	07°♄05'48"	12°♂10'03"	05°♂57'42"	13°♂21'01"	11°☉33'59"	06°♄42'17"	05°♄52'35"	26°♅03'07" R _x	22°♆19'02" R _x	21°♁51'20" R _x	01°♂35'11" R _x	

Jan 01, 1980 00:00 AM CCT

Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon
1981-08-06	19° $\underline{\text{a}}$ 24'56"	13° a 07'31"	08° a 02'22"	14° m 33'07"	12° a 13'38"	06° $\underline{\text{a}}$ 52'08"	05° $\underline{\text{a}}$ 57'56"	26° m 03'09"	22° a 18'09" _{Rx}	21° $\underline{\text{a}}$ 52'28"	01° a 33'40" _{Rx}	
1981-08-07	01° m 31'09"	14° a 05'00"	10° a 07'06"	15° m 45'11"	12° a 05'13"	07° $\underline{\text{a}}$ 02'05"	06° $\underline{\text{a}}$ 03'20"	26° m 03'14"	22° a 17'17" _{Rx}	21° $\underline{\text{a}}$ 53'38"	01° a 32'35" _{Rx}	
1981-08-08	13° m 28'32"	15° a 02'30"	12° a 11'41"	16° m 57'12"	13° a 32'45"	07° $\underline{\text{a}}$ 12'07"	06° $\underline{\text{a}}$ 08'49"	26° m 03'23"	22° a 16'27" _{Rx}	21° $\underline{\text{a}}$ 54'50"	01° a 32'12"	
1981-08-09	25° m 21'35"	16° a 00'01"	14° a 15'50"	18° m 09'11"	14° a 12'14"	07° $\underline{\text{a}}$ 22'15"	06° $\underline{\text{a}}$ 14'21"	26° m 03'34"	22° a 15'39" _{Rx}	21° $\underline{\text{a}}$ 56'04"	01° a 32'39"	
1981-08-10	07° a 15'01"	16° a 57'33"	16° a 19'22"	19° m 21'08"	14° a 51'40"	07° $\underline{\text{a}}$ 32'28"	06° $\underline{\text{a}}$ 19'56"	26° m 03'49"	22° a 14'53" _{Rx}	21° $\underline{\text{a}}$ 57'19"	01° a 33'54"	
1981-08-11	19° a 13'26"	17° a 55'06"	18° a 22'07"	20° m 33'02"	15° a 31'03"	07° $\underline{\text{a}}$ 42'46"	06° $\underline{\text{a}}$ 25'36"	26° m 04'07"	22° a 14'08" _{Rx}	21° $\underline{\text{a}}$ 58'37"	01° a 35'45"	
1981-08-12	01° v 21'03"	18° a 52'39"	20° a 23'56"	21° m 44'54"	16° a 10'22"	07° $\underline{\text{a}}$ 53'08"	06° $\underline{\text{a}}$ 31'18"	26° m 04'28"	22° a 13'25" _{Rx}	21° $\underline{\text{a}}$ 59'56"	01° a 37'52"	
1981-08-13	13° v 54'133"	19° a 50'14"	22° a 24'41"	22° m 56'43"	16° a 49'39"	08° $\underline{\text{a}}$ 03'36"	06° $\underline{\text{a}}$ 37'04"	26° m 04'52"	22° a 12'44" _{Rx}	22° $\underline{\text{a}}$ 01'17"	01° a 39'49"	
1981-08-14	26° v 17'47"	20° a 47'49"	24° a 24'16"	24° m 08'30"	17° a 28'52"	08° $\underline{\text{a}}$ 14'09"	06° $\underline{\text{a}}$ 42'54"	26° m 05'20"	22° a 12'04" _{Rx}	22° $\underline{\text{a}}$ 02'39"	01° a 41'09"	
1981-08-15	09° \approx 11'36"	21° a 45'26"	26° a 22'38"	25° m 20'14"	18° a 08'02"	08° $\underline{\text{a}}$ 24'46"	06° $\underline{\text{a}}$ 48'47"	26° m 05'50"	22° a 11'26" _{Rx}	22° $\underline{\text{a}}$ 04'03"	01° a 41'31" _{Rx}	
1981-08-16	22° \approx 23'39"	22° a 43'04"	28° a 19'41"	26° m 31'56"	18° a 47'09"	08° $\underline{\text{a}}$ 35'28"	06° $\underline{\text{a}}$ 54'43"	26° m 06'23"	22° a 10'50" _{Rx}	22° $\underline{\text{a}}$ 05'29"	01° a 40'43" _{Rx}	
1981-08-17	05° a 53'17"	23° a 40'43"	00° m 15'25"	27° m 43'34"	19° a 26'13"	08° $\underline{\text{a}}$ 46'15"	07° $\underline{\text{a}}$ 00'42"	26° m 07'00"	22° a 10'15" _{Rx}	22° $\underline{\text{a}}$ 06'57"	01° a 38'46" _{Rx}	
1981-08-18	19° a 38'31"	24° a 38'23"	02° m 09'47"	28° m 55'11"	20° a 05'14"	08° $\underline{\text{a}}$ 57'05"	07° $\underline{\text{a}}$ 06'44"	26° m 07'39"	22° a 09'43" _{Rx}	22° $\underline{\text{a}}$ 08'26"	01° a 35'53" _{Rx}	
1981-08-19	03° m 36'27"	25° a 36'05"	04° m 02'45"	00° $\underline{\text{a}}$ 06'44"	20° a 44'11"	09° $\underline{\text{a}}$ 08'01"	07° $\underline{\text{a}}$ 12'50"	26° m 08'22"	22° a 09'12" _{Rx}	22° $\underline{\text{a}}$ 09'56"	01° a 32'30" _{Rx}	
1981-08-20	17° m 43'32"	26° a 33'48"	05° m 54'20"	01° $\underline{\text{a}}$ 18'15"	21° a 23'06"	09° $\underline{\text{a}}$ 19'00"	07° $\underline{\text{a}}$ 18'58"	26° m 09'07"	22° a 08'43" _{Rx}	22° $\underline{\text{a}}$ 11'29"	01° a 29'09" _{Rx}	
1981-08-21	01° v 56'07"	27° a 31'33"	07° m 44'31"	02° $\underline{\text{a}}$ 29'43"	22° a 01'58"	09° $\underline{\text{a}}$ 30'04"	07° $\underline{\text{a}}$ 25'10"	26° m 09'56"	22° a 08'15" _{Rx}	22° $\underline{\text{a}}$ 13'03"	01° a 26'20" _{Rx}	
1981-08-22	16° v 10'44"	28° a 29'20"	09° m 33'19"	03° $\underline{\text{a}}$ 41'09"	22° a 40'47"	09° $\underline{\text{a}}$ 41'13"	07° $\underline{\text{a}}$ 31'24"	26° m 10'48"	22° a 07'50" _{Rx}	22° $\underline{\text{a}}$ 14'38"	01° a 24'27" _{Rx}	
1981-08-23	00° II 24'26"	29° a 27'08"	11° m 20'44"	04° $\underline{\text{a}}$ 52'32"	23° a 19'33"	09° $\underline{\text{a}}$ 52'25"	07° $\underline{\text{a}}$ 37'41"	26° m 11'43"	22° a 07'26" _{Rx}	22° $\underline{\text{a}}$ 16'15"	01° a 23'43" _{Rx}	
1981-08-24	14° II 34'51"	00° m 24'59"	13° m 06'46"	06° $\underline{\text{a}}$ 03'53"	23° a 58'15"	10° $\underline{\text{a}}$ 03'42"	07° $\underline{\text{a}}$ 44'02"	26° m 12'41"	22° a 07'05" _{Rx}	22° $\underline{\text{a}}$ 17'54"	01° a 24'03"	
1981-08-25	28° II 40'02"	01° m 22'51"	14° m 51'27"	07° $\underline{\text{a}}$ 15'11"	24° a 36'55"	10° $\underline{\text{a}}$ 15'02"	07° $\underline{\text{a}}$ 50'25"	26° m 13'42"	22° a 06'45" _{Rx}	22° $\underline{\text{a}}$ 19'34"	01° a 25'07"	
1981-08-26	12° a 38'23"	02° m 20'45"	16° m 34'46"	08° $\underline{\text{a}}$ 26'27"	25° a 15'32"	10° $\underline{\text{a}}$ 26'27"	07° $\underline{\text{a}}$ 56'50"	26° m 14'46"	22° a 06'27" _{Rx}	22° $\underline{\text{a}}$ 21'16"	01° a 26'21"	
1981-08-27	26° a 28'21"	03° m 18'40"	18° m 16'46"	09° $\underline{\text{a}}$ 37'39"	25° a 54'06"	10° $\underline{\text{a}}$ 37'55"	08° $\underline{\text{a}}$ 03'19"	26° m 15'53"	22° a 06'11" _{Rx}	22° $\underline{\text{a}}$ 22'59"	01° a 27'06"	
1981-08-28	10° a 08'19"	04° m 16'37"	19° m 57'26"	10° $\underline{\text{a}}$ 48'49"	26° a 32'36"	10° $\underline{\text{a}}$ 49'27"	08° $\underline{\text{a}}$ 09'50"	26° m 17'04"	22° a 05'57" _{Rx}	22° $\underline{\text{a}}$ 24'44"	01° a 26'44" _{Rx}	
1981-08-29	23° a 36'34"	05° m 14'36"	21° m 36'48"	11° $\underline{\text{a}}$ 59'56"	27° a 11'03"	11° $\underline{\text{a}}$ 01'03"	08° $\underline{\text{a}}$ 16'23"	26° m 18'17"	22° a 05'45" _{Rx}	22° $\underline{\text{a}}$ 26'30"	01° a 24'47" _{Rx}	
1981-08-30	06° m 51'27"	06° m 12'37"	23° m 14'52"	13° $\underline{\text{a}}$ 11'01"	27° a 49'27"	11° $\underline{\text{a}}$ 12'43"	08° $\underline{\text{a}}$ 22'59"	26° m 19'33"	22° a 05'35" _{Rx}	22° $\underline{\text{a}}$ 28'18"	01° a 21'01" _{Rx}	
1981-08-31	19° m 51'42"	07° m 10'39"	24° m 51'40"	14° $\underline{\text{a}}$ 22'02"	28° a 27'47"	11° $\underline{\text{a}}$ 24'26"	08° $\underline{\text{a}}$ 29'37"	26° m 20'52"	22° a 05'26" _{Rx}	22° $\underline{\text{a}}$ 30'07"	01° a 15'35" _{Rx}	
1981-09-01	02° $\underline{\text{a}}$ 36'41"	08° m 08'42"	26° m 27'10"	15° $\underline{\text{a}}$ 33'00"	29° a 06'05"	11° $\underline{\text{a}}$ 36'12"	08° $\underline{\text{a}}$ 36'18"	26° m 22'14"	22° a 05'20" _{Rx}	22° $\underline{\text{a}}$ 31'57"	01° a 08'54" _{Rx}	
1981-09-02	15° $\underline{\text{a}}$ 06'39"	09° m 06'47"	28° m 01'25"	16° $\underline{\text{a}}$ 43'55"	29° a 44'18"	11° $\underline{\text{a}}$ 48'01"	08° $\underline{\text{a}}$ 43'01"	26° m 23'39"	22° a 05'15" _{Rx}	22° $\underline{\text{a}}$ 33'48"	01° a 01'43" _{Rx}	
1981-09-03	27° $\underline{\text{a}}$ 22'49"	10° m 04'54"	29° m 34'24"	17° $\underline{\text{a}}$ 54'46"	00° a 22'29"	11° $\underline{\text{a}}$ 59'54"	08° $\underline{\text{a}}$ 49'46"	26° m 25'07"	22° a 05'13" _{Rx}	22° $\underline{\text{a}}$ 35'41"	00° a 54'49" _{Rx}	
1981-09-04	09° m 27'26"	11° m 03'02"	01° $\underline{\text{a}}$ 06'07"	19° $\underline{\text{a}}$ 05'34"	01° a 00'36"	12° $\underline{\text{a}}$ 11'50"	08° $\underline{\text{a}}$ 56'33"	26° m 26'38"	22° a 05'12"	22° $\underline{\text{a}}$ 37'35"	00° a 49'03" _{Rx}	
1981-09-05	21° m 23'39"	12° m 01'12"	02° $\underline{\text{a}}$ 36'35"	20° $\underline{\text{a}}$ 16'19"	01° a 38'40"	12° $\underline{\text{a}}$ 23'49"	09° $\underline{\text{a}}$ 03'22"	26° m 28'11"	22° a 05'13"	22° $\underline{\text{a}}$ 39'31"	00° a 45'00" _{Rx}	
1981-09-06	03° a 15'27"	12° m 59'23"	04° $\underline{\text{a}}$ 05'47"	21° $\underline{\text{a}}$ 27'00"	02° a 16'40"	12° $\underline{\text{a}}$ 35'52"	09° $\underline{\text{a}}$ 10'14"	26° m 29'48"	22° a 05'17"	22° $\underline{\text{a}}$ 41'28"	00° a 42'58" _{Rx}	
1981-09-07	15° a 07'28"	13° m 57'35"	05° $\underline{\text{a}}$ 33'43"	22° $\underline{\text{a}}$ 37'37"	02° a 54'37"	12° $\underline{\text{a}}$ 47'57"	09° $\underline{\text{a}}$ 17'07"	26° m 31'28"	22° a 05'22"	22° $\underline{\text{a}}$ 43'26"	00° a 42'54"	
1981-09-08	27° a 04'41"	14° m 55'49"	07° $\underline{\text{a}}$ 00'22"	23° $\underline{\text{a}}$ 48'11"	03° a 32'31"	13° $\underline{\text{a}}$ 00'05"	09° $\underline{\text{a}}$ 24'02"	26° m 33'10"	22° a 05'30"	22° $\underline{\text{a}}$ 45'25"	00° a 44'18"	
1981-09-09	09° v 12'11"	15° m 54'05"	08° $\underline{\text{a}}$ 25'43"	24° $\underline{\text{a}}$ 58'41"	04° a 10'21"	13° $\underline{\text{a}}$ 12'15"	09° $\underline{\text{a}}$ 30'59"	26° m 34'55"	22° a 05'39"	22° $\underline{\text{a}}$ 47'25"	00° a 46'24"	
1981-09-10	21° v 34'46"	16° m 52'22"	09° $\underline{\text{a}}$ 49'44"	26° $\underline{\text{a}}$ 09'07"	04° a 48'08"	13° $\underline{\text{a}}$ 24'29"	09° $\underline{\text{a}}$ 37'57"	26° m 36'43"	22° a 05'50"	22° $\underline{\text{a}}$ 49'27"	00° a 48'18"	
1981-09-11	04° \approx 16'35"	17° m 50'41"	11° $\underline{\text{a}}$ 12'25"	27° $\underline{\text{a}}$ 19'28"	05° a 25'52"	13° $\underline{\text{a}}$ 36'45"	09° $\underline{\text{a}}$ 44'58"	26° m 38'34"	22° a 06'04"	22° $\underline{\text{a}}$ 51'29"	00° a 49'04" _{Rx}	
1981-09-12	17° \approx 20'43"	18° m 49'01"	12° $\underline{\text{a}}$ 33'44"	28° $\underline{\text{a}}$ 29'46"	06° a 03'32"	13° $\underline{\text{a}}$ 49'03"	09° $\underline{\text{a}}$ 52'00"	26° m 40'27"	22° a 06'19"	22° $\underline{\text{a}}$ 53'33"	00° a 48'00" _{Rx}	
1981-09-13	00° a 48'36"	19° m 47'23"	13° $\underline{\text{a}}$ 53'38"	29° $\underline{\text{a}}$ 39'59"	06° a 41'09"	14° $\underline{\text{a}}$ 01'24"	09° $\underline{\text{a}}$ 59'03"	26° m 42'24"	22° a 06'36"	22° $\underline{\text{a}}$ 55'38"	00° a 44'44" _{Rx}	
1981-09-14	14° a 39'37"	20° m 45'47"	15° $\underline{\text{a}}$ 12'04"	00° m 50'08"	07° a 18'42"	14° $\underline{\text{a}}$ 13'48"	10° $\underline{\text{a}}$ 06'08"	26° m 44'22"	22° a 06'55"	22° $\underline{\text{a}}$ 57'43"	00° a 39'17" _{Rx}	
1981-09-15	28° a 50'48"	21° m 44'12"	16° $\underline{\text{a}}$ 29'00"	02° m 00'13"	07° a 56'12"	14° $\underline{\text{a}}$ 26'13"	10° $\underline{\text{a}}$ 13'14"	26° m 46'24"	22° a 07'16"	22° $\underline{\text{a}}$ 59'50"	00° a 32'08" _{Rx}	
1981-09-16	13° m 17'05"	22° m 42'40"	17° $\underline{\text{a}}$ 44'22"	03° m 10'13"	08° a 33'39"	14° $\underline{\text{a}}$ 38'41"	10° $\underline{\text{a}}$ 20'22"	26° m 48'28"	22° a 07'39"	23° $\underline{\text{a}}$ 01'58"	00° a 24'03" _{Rx}	
1981-09-17	27° m 15'55"	23° m 41'09"	18° $\underline{\text{a}}$ 58'06"	04° m 20'09"	09° a 11'03"	14° $\underline{\text{a}}$ 51'11"	10° $\underline{\text{a}}$ 27'31"	26° m 50'34"	22° a 08'04"	23° $\underline{\text{a}}$ 04'06"	00° a 15'59" _{Rx}	
1981-09-18	12° v 28'22"	24° m 39'41"	20° $\underline{\text{a}}$ 10'07"	05° m 30'00"	09° a 48'23"	15° $\underline{\text{a}}$ 03'43"	10° $\underline{\text{a}}$ 34'4					

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♁ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1981-09-28	28°♎35'39"	04°♌26'58"	00°♍09'33"	17°♍04'18"	15°♌58'37"	17°♌10'49"	11°♌47'22"	27°♍16'34"	22°♌14'48"	23°♌28'39"	29°♌35'32"	R _x
1981-09-29	11°♌06'48"	05°♌25'54"	00°♍53'28"	18°♍13'16"	16°♌35'19"	17°♌23'40"	11°♌54'42"	27°♍19'10"	22°♌15'36"	23°♌30'57"	29°♌23'47"	R _x
1981-09-30	23°♌26'50"	06°♌24'51"	01°♍33'27"	19°♍22'08"	17°♌11'56"	17°♌36'32"	12°♌02'03"	27°♍21'48"	22°♌16'26"	23°♌33'16"	29°♌10'58"	R _x
1981-10-01	05°♍36'22"	07°♌23'51"	02°♍09'11"	20°♍30'54"	17°♌48'30"	17°♌49'26"	12°♌09'24"	27°♍24'29"	22°♌17'18"	23°♌35'35"	28°♌58'18"	R _x
1981-10-02	17°♍36'46"	08°♌22'52"	02°♍40'17"	21°♍39'35"	18°♌24'59"	18°♌02'20"	12°♌16'45"	27°♍27'11"	22°♌18'12"	23°♌37'55"	28°♌47'00"	R _x
1981-10-03	29°♍30'11"	09°♌21'55"	03°♍06'20"	22°♍48'09"	19°♌01'25"	18°♌15'16"	12°♌24'07"	27°♍29'56"	22°♌19'08"	23°♌40'15"	28°♌37'59"	R _x
1981-10-04	11°♌19'43"	10°♌21'00"	03°♍26'56"	23°♍56'37"	19°♌37'47"	18°♌28'12"	12°♌31'29"	27°♍32'43"	22°♌20'06"	23°♌42'36"	28°♌31'49"	R _x
1981-10-05	23°♌09'21"	11°♌20'07"	03°♍41'39"	25°♍04'58"	20°♌14'05"	18°♌41'10"	12°♌38'52"	27°♍35'33"	22°♌21'05"	23°♌44'57"	28°♌28'28"	R _x
1981-10-06	05°♌03'47"	12°♌19'16"	03°♍49'59"	26°♍13'13"	20°♌50'19"	18°♌54'08"	12°♌46'14"	27°♍38'24"	22°♌22'07"	23°♌47'19"	28°♌27'28"	R _x
1981-10-07	17°♌08'14"	13°♌18'27"	03°♍51'31"	27°♍21'20"	21°♌26'28"	19°♌07'07"	12°♌53'36"	27°♍41'17"	22°♌23'10"	23°♌49'41"	28°♌27'50"	
1981-10-08	29°♌28'04"	14°♌17'39"	03°♍45'48"	28°♍29'20"	22°♌02'34"	19°♌20'06"	13°♌00'59"	27°♍44'12"	22°♌24'15"	23°♌52'04"	28°♌28'25"	
1981-10-09	12°♌08'28"	15°♌16'53"	03°♍32'26"	29°♍37'13"	22°♌38'35"	19°♌33'06"	13°♌08'21"	27°♍47'09"	22°♌25'21"	23°♌54'27"	28°♌28'00"	R _x
1981-10-10	25°♌13'49"	16°♌16'09"	03°♍11'07"	00°♌44'57"	23°♌14'33"	19°♌46'07"	13°♌15'43"	27°♍50'08"	22°♌26'30"	23°♌56'50"	28°♌25'37"	R _x
1981-10-11	08°♌47'01"	17°♌15'27"	02°♍41'36"	01°♌52'33"	23°♌50'26"	19°♌59'08"	13°♌23'04"	27°♍53'09"	22°♌27'40"	23°♌59'13"	28°♌20'42"	R _x
1981-10-12	22°♌48'38"	18°♌14'46"	02°♍03'53"	03°♌00'01"	24°♌26'15"	20°♌12'09"	13°♌30'26"	27°♍56'12"	22°♌28'52"	24°♌01'37"	28°♌13'11"	R _x
1981-10-13	07°♌16'10"	19°♌14'07"	01°♍18'06"	04°♌07'21"	25°♌02'00"	20°♌25'10"	13°♌37'47"	27°♍59'16"	22°♌30'06"	24°♌04'00"	28°♌03'32"	R _x
1981-10-14	22°♌03'58"	20°♌13'31"	00°♍24'42"	05°♌14'31"	25°♌37'40"	20°♌38'11"	13°♌45'07"	28°♍02'22"	22°♌31'21"	24°♌06'24"	27°♌52'36"	R _x
1981-10-15	07°♌03'39"	21°♌12'56"	29°♌24'24"	06°♌21'33"	26°♌13'17"	20°♌51'13"	13°♌52'27"	28°♍05'30"	22°♌32'38"	24°♌08'48"	27°♌41'31"	R _x
1981-10-16	22°♌05'32"	22°♌12'23"	28°♌18'16"	07°♌28'26"	26°♌48'49"	21°♌04'14"	13°♌59'47"	28°♍08'40"	22°♌33'57"	24°♌11'12"	27°♌31'25"	R _x
1981-10-17	07°♌00'11"	23°♌11'53"	27°♌07'43"	08°♌35'09"	27°♌24'17"	21°♌17'16"	14°♌07'06"	28°♍11'51"	22°♌35'17"	24°♌13'37"	27°♌23'10"	R _x
1981-10-18	21°♌40'03"	24°♌11'25"	25°♌54'28"	09°♌41'42"	27°♌59'41"	21°♌30'18"	14°♌14'24"	28°♍15'04"	22°♌36'39"	24°♌16'01"	27°♌17'18"	R _x
1981-10-19	06°♌00'19"	25°♌11'00"	24°♌40'31"	10°♌48'06"	28°♌35'01"	21°♌43'20"	14°♌21'42"	28°♍18'18"	22°♌38'03"	24°♌18'25"	27°♌13'47"	R _x
1981-10-20	19°♌59'04"	26°♌10'36"	23°♌28'00"	11°♌54'20"	29°♌10'16"	21°♌56'21"	14°♌28'59"	28°♍21'34"	22°♌39'29"	24°♌20'50"	27°♌12'05"	R _x
1981-10-21	03°♌36'44"	27°♌10'15"	22°♌19'06"	13°♌00'23"	29°♌45'27"	22°♌09'22"	14°♌36'15"	28°♍24'52"	22°♌40'56"	24°♌23'14"	27°♌11'16"	R _x
1981-10-22	16°♌55'12"	28°♌09'57"	21°♌15'53"	14°♌06'16"	00°♎20'33"	22°♌22'23"	14°♌43'30"	28°♍28'11"	22°♌42'24"	24°♌25'39"	27°♌10'10"	R _x
1981-10-23	29°♌57'03"	29°♌09'40"	20°♌20'14"	15°♌11'58"	00°♎55'35"	22°♌35'23"	14°♌50'44"	28°♍31'31"	22°♌43'54"	24°♌28'03"	27°♌07'35"	R _x
1981-10-24	12°♎44'49"	00°♎09'26"	19°♌33'41"	16°♌17'29"	01°♎30'32"	22°♌48'23"	14°♌57'57"	28°♍34'53"	22°♌45'26"	24°♌30'27"	27°♌02'37"	R _x
1981-10-25	25°♎20'40"	01°♎09'14"	18°♌57'24"	17°♌22'48"	02°♎05'23"	23°♌01'22"	15°♌05'08"	28°♍38'16"	22°♌46'59"	24°♌32'50"	26°♌54'45"	R _x
1981-10-26	07°♌46'19"	02°♎09'03"	18°♌32'09"	18°♌27'55"	02°♎40'10"	23°♌14'20"	15°♌12'19"	28°♍41'40"	22°♌48'33"	24°♌35'14"	26°♌44'01"	R _x
1981-10-27	20°♌02'59"	03°♎08'56"	18°♌18'18"	19°♌32'50"	03°♎14'52"	23°♌27'17"	15°♌19'28"	28°♍45'06"	22°♌50'09"	24°♌37'37"	26°♌30'59"	R _x
1981-10-28	02°♎11'36"	04°♎08'50"	18°♌15'51"	20°♌37'31"	03°♎49'29"	23°♌40'14"	15°♌26'36"	28°♍48'33"	22°♌51'47"	24°♌40'00"	26°♌16'39"	R _x
1981-10-29	14°♎13'01"	05°♎08'46"	18°♌24'32"	21°♌42'00"	04°♎24'00"	23°♌53'10"	15°♌33'42"	28°♍52'01"	22°♌53'25"	24°♌42'23"	26°♌02'18"	R _x
1981-10-30	26°♎08'16"	06°♎08'43"	18°♌43'48"	22°♌46'14"	04°♎58'26"	24°♌06'05"	15°♌40'47"	28°♍55'30"	22°♌55'06"	24°♌44'45"	25°♌49'12"	R _x
1981-10-31	07°♌58'51"	07°♎08'43"	19°♌12'58"	23°♌50'15"	05°♎32'47"	24°♌18'58"	15°♌47'50"	28°♍59'00"	22°♌56'48"	24°♌47'07"	25°♌38'28"	R _x
1981-11-01	19°♌46'58"	08°♎08'45"	19°♌51'15"	24°♌54'00"	06°♎07'03"	24°♌31'51"	15°♌54'52"	29°♍02'31"	22°♌58'31"	24°♌49'29"	25°♌30'39"	R _x
1981-11-02	01°♌35'39"	09°♎08'48"	20°♌37'45"	25°♌57'29"	06°♎41'13"	24°♌44'42"	16°♌01'52"	29°♍06'04"	23°♌00'15"	24°♌51'50"	25°♌25'59"	R _x
1981-11-03	13°♌28'44"	10°♎08'53"	21°♌31'38"	27°♌00'43"	07°♎15'17"	24°♌57'31"	16°♌08'50"	29°♍09'37"	23°♌02'01"	24°♌54'11"	25°♌24'01"	R _x
1981-11-04	25°♌30'47"	11°♎08'59"	22°♌32'02"	28°♌03'40"	07°♎49'16"	25°♌10'19"	16°♌15'46"	29°♍13'11"	23°♌03'48"	24°♌56'32"	25°♌23'54"	
1981-11-05	07°♌46'50"	12°♎09'08"	23°♌38'07"	29°♌06'19"	08°♎23'09"	25°♌23'06"	16°♌22'40"	29°♍16'46"	23°♌05'37"	24°♌58'51"	25°♌24'27"	
1981-11-06	20°♌22'10"	13°♎09'17"	24°♌49'09"	00°♎08'40"	08°♎56'56"	25°♌35'51"	16°♌29'33"	29°♍20'22"	23°♌07'26"	25°♌01'11"	25°♌24'31"	R _x
1981-11-07	03°♌21'47"	14°♎09'28"	26°♌04'26"	01°♎10'42"	09°♎30'38"	25°♌48'34"	16°♌36'23"	29°♍23'58"	23°♌09'17"	25°♌03'29"	25°♌23'02"	R _x
1981-11-08	16°♌49'44"	15°♎09'41"	27°♌23'20"	02°♎12'24"	10°♎04'13"	26°♌01'16"	16°♌43'11"	29°♍27'36"	23°♌11'09"	25°♌05'47"	25°♌19'21"	R _x
1981-11-09	00°♌48'08"	16°♎09'55"	28°♌45'18"	03°♎13'46"	10°♎37'43"	26°♌13'55"	16°♌49'56"	29°♍31'13"	23°♌13'02"	25°♌08'04"	25°♌13'17"	R _x
1981-11-10	15°♌16'11"	17°♎10'10"	00°♎09'52"	04°♎14'46"	11°♎11'06"	26°♌26'32"	16°♌56'40"	29°♍34'52"	23°♌14'56"	25°♌10'21"	25°♌05'08"	R _x
1981-11-11	00°♌09'32"	18°♎10'27"	01°♎36'34"	05°♎15'25"	11°♎44'24"	26°♌39'08"	17°♌03'21"	29°♍38'31"	23°♌16'51"	25°♌12'36"	24°♌55'40"	R _x
1981-11-12	15°♌20'20"	19°♎10'46"	03°♎05'04"	06°♎15'40"	12°♎17'35"	26°♌51'41"	17°♌09'59"	29°♍42'11"	23°♌18'48"	25°♌14'51"	24°♌45'50"	R _x
1981-11-13	00°♌38'10"	20°♎11'07"	04°♎35'02"	07°♎15'32"	12°♎50'41"	27°♌04'12"	17°♌16'36"	29°♍45'51"	23°♌20'45"	25°♌17'06"	24°♌36'41"	R _x
1981-11-14	15°♌51'47"	21°♎11'29"	06°♎06'11"	08°♎15'00"	13°♎23'40"	27°♌16'42"	17°♌23'09"	29°♍49'32"	23°♌22'44"	25°♌19'19"	24°♌29'07"	R _x
1981-11-15	00°♌51'07"	22°♎11'53"	07°♎38'19"	09°♎14'02"	13°♎56'33"	27°♌29'08"	17°♌29'41"	29°♍53'13"	23°♌24'43"	25°♌21'32"	24°♌23'38"	R _x
1981-11-16	15°♌28'46"	23°♎12'19"	09°♎11'12"	10°♎12'39"	14°♎29'19"	27°♌41'33"	17°♌36'09"	29°♍56'54"	23°♌26'44"	25°♌23'44"	24°♌20'22"	R _x
1981-11-17	29°♌40'44"	24°♎12'47"	10°♎44'42"	11°♎10'48"	15°♎01'59"	27°♌53'55"	17°♌42'35"	00°♎00'36"	23°♌28'45"	25°♌25'55"	24°♌18'56"	R _x
1981-11-18	13°♌26'14"	25°♎13'16"	12°♎18'39"	12°♎08'29"	15°♎34'33"	28°♌06'14"	17°♌48'58"	00°♎04'19"	23°♌30'48"	25°♌28'05"	24°♌18'36"	R _x
1981-11-19	26°♌46'52"	26°♎13'48"	13°♎52'58"	13°♎05'41"	16°♎06'59"	28°♌18'30"	17°♌55'18"	00°♎08'01"	23°♌32'51"	25°♌30'14"	24°♌18'23"	R _x

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon
1981-11-20	09° π 45'38"	27° μ 14'21"	15° μ 27'31"	14° ν 02'23"	16° π 39'18"	28° π 30'44"	18° π 01'35"	00° π 11'44"	23° π 34'55"	25° π 32'22"	24° π 17'18"	R _x
1981-11-21	22° π 26'06"	28° μ 14'56"	17° μ 02'15"	14° ν 58'34"	17° π 11'30"	28° π 42'55"	18° π 07'49"	00° π 15'26"	23° π 37'00"	25° π 34'29"	24° π 14'32"	R _x
1981-11-22	04° π 51'48"	29° μ 15'32"	18° μ 37'05"	15° ν 54'13"	17° π 43'35"	28° π 55'03"	18° π 14'00"	00° π 19'09"	23° π 39'06"	25° π 36'35"	24° π 09'34"	R _x
1981-11-23	17° π 06'00"	00° π 16'10"	20° μ 11'59"	16° ν 49'18"	18° π 15'32"	29° π 07'08"	18° π 20'08"	00° π 22'52"	23° π 41'12"	25° π 38'40"	24° π 02'22"	R _x
1981-11-24	29° π 11'27"	01° π 16'50"	21° μ 46'53"	17° ν 43'47"	18° π 47'22"	29° π 19'10"	18° π 26'12"	00° π 26'35"	23° π 43'19"	25° π 40'44"	23° π 53'19"	R _x
1981-11-25	11° μ 10'26"	02° π 17'32"	23° μ 21'47"	18° ν 37'41"	19° π 19'04"	29° π 31'08"	18° π 32'14"	00° π 30'18"	23° π 45'27"	25° π 42'47"	23° π 43'10"	R _x
1981-11-26	23° μ 04'44"	03° π 18'15"	24° μ 56'38"	19° ν 30'56"	19° π 50'38"	29° π 43'04"	18° π 38'12"	00° π 34'01"	23° π 47'36"	25° π 44'48"	23° π 32'54"	R _x
1981-11-27	04° π 55'53"	04° π 18'59"	26° μ 31'27"	20° ν 23'32"	20° π 22'04"	29° π 54'55"	18° π 44'06"	00° π 37'43"	23° π 49'45"	25° π 46'48"	23° π 23'33"	R _x
1981-11-28	16° π 45'24"	05° π 19'45"	28° μ 06'11"	21° ν 15'27"	20° π 53'22"	00° μ 06'44"	18° π 49'57"	00° π 41'26"	23° π 51'56"	25° π 48'47"	23° π 15'58"	R _x
1981-11-29	28° π 34'58"	06° π 20'32"	29° μ 40'50"	22° ν 06'39"	21° π 24'31"	00° μ 18'28"	18° π 55'44"	00° π 45'09"	23° π 54'06"	25° π 50'45"	23° π 10'44"	R _x
1981-11-30	10° ν 26'46"	07° π 21'20"	01° π 15'25"	22° ν 57'06"	21° π 55'32"	00° μ 30'09"	19° π 01'28"	00° π 48'51"	23° π 56'18"	25° π 52'42"	23° π 07'59"	R _x
1981-12-01	22° ν 23'32"	08° π 22'09"	02° π 49'56"	23° ν 46'46"	22° π 26'24"	00° μ 41'46"	19° π 07'07"	00° π 52'33"	23° π 58'29"	25° π 54'37"	23° π 07'28"	
1981-12-02	04° π 28'36"	09° π 22'59"	04° π 24'22"	24° ν 35'37"	22° π 57'07"	00° μ 53'19"	19° π 12'43"	00° π 56'14"	24° π 00'42"	25° π 56'31"	23° π 08'33"	
1981-12-03	16° π 45'52"	10° π 23'50"	05° π 58'44"	25° ν 23'37"	23° π 27'41"	01° μ 04'49"	19° π 18'15"	00° π 59'55"	24° π 02'55"	25° π 58'23"	23° π 10'24"	
1981-12-04	29° π 19'35"	11° π 24'42"	07° π 33'03"	26° ν 10'44"	23° π 58'06"	01° μ 16'13"	19° π 23'43"	01° π 03'36"	24° π 05'08"	26° π 00'14"	23° π 12'07"	
1981-12-05	12° π 14'10"	12° π 25'35"	09° π 07'18"	26° ν 56'56"	24° π 28'21"	01° μ 27'34"	19° π 29'07"	01° π 07'15"	24° π 07'21"	26° π 02'04"	23° π 12'54"	
1981-12-06	25° π 33'34"	13° π 26'28"	10° π 41'32"	27° ν 42'09"	24° π 58'27"	01° μ 38'50"	19° π 34'27"	01° π 10'55"	24° π 09'35"	26° π 03'52"	23° π 12'13"	R _x
1981-12-07	09° π 20'36"	14° π 27'22"	12° π 15'44"	28° ν 26'22"	25° π 28'24"	01° μ 50'02"	19° π 39'43"	01° π 14'34"	24° π 11'49"	26° π 05'39"	23° π 09'52"	R _x
1981-12-08	23° π 36'01"	15° π 28'17"	13° π 49'56"	29° ν 09'32"	25° π 58'10"	02° μ 01'10"	19° π 44'54"	01° π 18'12"	24° π 14'04"	26° π 07'24"	23° π 06'01"	R _x
1981-12-09	08° π 17'41"	16° π 29'13"	15° π 24'09"	29° ν 51'36"	26° π 27'47"	02° μ 12'12"	19° π 50'01"	01° π 21'49"	24° π 16'19"	26° π 09'07"	23° π 01'06"	R _x
1981-12-10	23° π 20'08"	17° π 30'09"	16° π 58'22"	00° π 32'31"	26° π 57'14"	02° μ 23'11"	19° π 55'04"	01° π 25'26"	24° π 18'34"	26° π 10'49"	22° π 55'47"	R _x
1981-12-11	08° π 34'56"	18° π 31'07"	18° π 32'38"	01° π 12'15"	27° π 26'31"	02° μ 34'04"	20° π 00'03"	01° π 29'02"	24° π 20'49"	26° π 12'30"	22° π 50'46"	R _x
1981-12-12	23° π 51'46"	19° π 32'05"	20° π 06'58"	01° π 50'44"	27° π 55'38"	02° μ 44'53"	20° π 04'57"	01° π 32'37"	24° π 23'05"	26° π 14'09"	22° π 46'38"	R _x
1981-12-13	09° π 00'00"	20° π 33'04"	21° π 41'21"	02° π 27'56"	28° π 24'34"	02° μ 55'36"	20° π 09'47"	01° π 36'12"	24° π 25'21"	26° π 15'46"	22° π 43'47"	R _x
1981-12-14	23° π 50'31"	21° π 34'04"	23° π 15'50"	03° π 03'48"	28° π 53'20"	03° μ 06'15"	20° π 14'32"	01° π 39'45"	24° π 27'37"	26° π 17'22"	22° π 42'21"	R _x
1981-12-15	08° π 16'52"	22° π 35'04"	24° π 50'24"	03° π 38'17"	29° π 21'55"	03° μ 16'49"	20° π 19'12"	01° π 43'18"	24° π 29'53"	26° π 18'56"	22° π 42'09"	
1981-12-16	22° π 15'49"	23° π 36'06"	26° π 25'06"	04° π 11'19"	29° π 50'18"	03° μ 27'17"	20° π 23'48"	01° π 46'50"	24° π 32'09"	26° π 20'29"	22° π 42'47"	
1981-12-17	05° π 47'02"	24° π 37'09"	27° π 59'55"	04° π 42'50"	00° π 18'30"	03° μ 37'40"	20° π 28'19"	01° π 50'20"	24° π 34'25"	26° π 21'59"	22° π 43'42"	
1981-12-18	18° π 52'26"	25° π 38'12"	29° π 34'53"	05° π 12'49"	00° π 46'30"	03° μ 47'58"	20° π 32'45"	01° π 53'49"	24° π 36'41"	26° π 23'28"	22° π 44'20"	
1981-12-19	01° π 35'19"	26° π 39'16"	01° π 09'59"	05° π 41'10"	01° π 14'18"	03° μ 58'10"	20° π 37'06"	01° π 57'18"	24° π 38'57"	26° π 24'55"	22° π 44'13"	R _x
1981-12-20	13° π 59'40"	27° π 40'22"	02° π 45'16"	06° π 07'51"	01° π 41'54"	04° μ 08'16"	20° π 41'22"	02° π 00'45"	24° π 41'13"	26° π 26'20"	22° π 43'04"	R _x
1981-12-21	26° π 09'43"	28° π 41'28"	04° π 20'42"	06° π 32'48"	02° π 09'17"	04° μ 18'17"	20° π 45'34"	02° π 04'11"	24° π 43'29"	26° π 27'44"	22° π 40'51"	R _x
1981-12-22	08° μ 09'31"	29° π 42'34"	05° π 56'18"	06° π 55'56"	02° π 36'27"	04° μ 28'11"	20° π 49'40"	02° π 07'35"	24° π 45'45"	26° π 29'06"	22° π 37'45"	R _x
1981-12-23	20° μ 02'47"	00° ν 43'42"	07° π 32'04"	07° π 17'13"	03° π 03'25"	04° μ 38'00"	20° π 53'41"	02° π 10'59"	24° π 48'01"	26° π 30'25"	22° π 34'09"	R _x
1981-12-24	01° π 52'43"	01° ν 44'50"	09° ν 08'00"	07° π 36'34"	03° π 30'08"	04° μ 47'43"	20° π 57'36"	02° π 14'21"	24° π 50'16"	26° π 31'43"	22° π 30'32"	R _x
1981-12-25	13° π 42'00"	02° ν 45'59"	10° ν 44'06"	07° π 53'54"	03° π 56'38"	04° μ 57'19"	21° π 01'27"	02° π 17'41"	24° π 52'32"	26° π 33'00"	22° π 27'24"	R _x
1981-12-26	25° π 32'52"	03° ν 47'08"	12° ν 20'21"	08° π 09'11"	04° π 22'54"	05° μ 06'49"	21° π 05'12"	02° π 21'00"	24° π 54'47"	26° π 34'14"	22° π 25'06"	R _x
1981-12-27	07° ν 27'19"	04° ν 48'17"	13° ν 56'43"	08° π 22'21"	04° π 48'55"	05° μ 16'13"	21° π 08'52"	02° π 24'18"	24° π 57'02"	26° π 35'26"	22° π 23'53"	R _x
1981-12-28	19° ν 27'09"	05° ν 49'27"	15° ν 33'11"	08° π 33'19"	05° π 14'42"	05° μ 25'30"	21° π 12'26"	02° π 27'34"	24° π 59'16"	26° π 36'37"	22° π 23'47"	
1981-12-29	01° π 34'16"	06° ν 50'37"	17° ν 09'44"	08° π 42'01"	05° π 40'13"	05° μ 34'40"	21° π 15'55"	02° π 30'49"	25° π 01'30"	26° π 37'45"	22° π 24'37"	
1981-12-30	13° π 50'37"	07° ν 51'47"	18° ν 46'19"	08° π 48'25"	06° π 05'30"	05° μ 43'44"	21° π 19'18"	02° π 34'02"	25° π 03'44"	26° π 38'51"	22° π 26'05"	
1981-12-31	26° π 18'28"	08° ν 52'57"	20° ν 22'52"	08° π 52'26"	06° π 30'30"	05° μ 52'41"	21° π 22'35"	02° π 37'13"	25° π 05'57"	26° π 39'56"	22° π 27'48"	
1982-01-01	09° π 00'15"	09° ν 54'07"	21° ν 59'19"	08° π 54'03"	06° π 55'15"	06° μ 01'30"	21° π 25'47"	02° π 40'23"	25° π 08'10"	26° π 40'58"	22° π 29'25"	
1982-01-02	21° π 58'37"	10° ν 55'17"	23° ν 35'37"	08° π 53'12"	07° π 19'43"	06° μ 10'13"	21° π 28'53"	02° π 43'30"	25° π 10'23"	26° π 41'58"	22° π 30'37"	
1982-01-03	05° π 16'04"	11° ν 56'27"	25° ν 11'38"	08° π 49'51"	07° π 43'55"	06° μ 18'48"	21° π 31'54"	02° π 46'36"	25° π 12'34"	26° π 42'57"	22° π 31'13"	
1982-01-04	18° π 54'37"	12° ν 57'36"	26° ν 47'16"	08° π 43'59"	08° π 07'50"	06° μ 27'16"	21° π 34'48"	02° π 49'40"	25° π 14'46"	26° π 43'53"	22° π 31'13"	R _x
1982-01-05	02° π 55'15"	13° ν 58'45"	28° ν 22'23"	08° π 35'35"	08° π 31'27"	06° μ 35'37"	21° π 37'37"	02° π 52'42"	25° π 16'56"	26° π 44'47"	22° π 30'41"	R _x
1982-01-06	17° π 17'13"	14° ν 59'53"	29° ν 56'48"	08° π 24'39"	08° π 54'47"	06° μ 43'50"	21° π 40'20"	02° π 55'43"	25° π 19'06"	26° π 45'39"	22° π 29'48"	R _x
1982-01-07	01° π 57'43"	16° ν 01'02"	01° π 30'20"	08° π 11'11"	09° π 17'50"	06° μ 51'56"	21° π 42'57"	02° π 58'41"	25° π 21'16"	26° π 46'29"</		

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Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1982-01-12	16° 06'54"	21° 06'39"	08° 54'57"	06° 27'49" R	11° 08'23"	07° 30'27"	21° 54'33"	03° 13'03"	25° 31'54"	26° 50'09"	22° 25'31" R	
1982-01-13	00° 13'26"	22° 07'45"	10° 16'38"	06° 00'33" R	11° 29'31"	07° 37'46"	21° 56'33"	03° 15'49"	25° 33'59"	26° 50'46"	22° 25'09" R	
1982-01-14	13° 05'47"	23° 08'51"	11° 34'45"	05° 31'23" R	11° 50'17"	07° 44'55"	21° 58'28"	03° 18'32"	25° 36'03"	26° 51'21"	22° 24'44" R	
1982-01-15	27° 08'40"	24° 09'58"	12° 48'42"	05° 00'29" R	12° 10'43"	07° 51'57"	22° 00'17"	03° 21'14"	25° 38'06"	26° 51'54"	22° 24'15" R	
1982-01-16	09° 58'48"	25° 11'04"	13° 57'46"	04° 28'03" R	12° 30'47"	07° 58'50"	22° 01'59"	03° 23'53"	25° 40'09"	26° 52'25"	22° 23'46" R	
1982-01-17	22° 27'45"	26° 12'09"	15° 01'12"	03° 54'17" R	12° 50'29"	08° 05'34"	22° 03'35"	03° 26'30"	25° 42'10"	26° 52'54"	22° 23'25" R	
1982-01-18	04° 39'40"	27° 13'15"	15° 58'12"	03° 19'24" R	13° 09'48"	08° 12'10"	22° 05'05"	03° 29'04"	25° 44'11"	26° 53'21"	22° 23'19"	
1982-01-19	16° 39'11"	28° 14'20"	16° 47'55"	02° 43'38" R	13° 28'43"	08° 18'37"	22° 06'28"	03° 31'36"	25° 46'11"	26° 53'45"	22° 23'35"	
1982-01-20	28° 30'59"	29° 15'25"	17° 29'26"	02° 07'13" R	13° 47'15"	08° 24'54"	22° 07'45"	03° 34'06"	25° 48'09"	26° 54'08"	22° 23'16"	
1982-01-21	10° 19'35"	00° 16'30"	18° 01'56"	01° 30'25" R	14° 05'22"	08° 31'03"	22° 08'56"	03° 36'33"	25° 50'07"	26° 54'28"	22° 25'19"	
1982-01-22	22° 09'02"	01° 17'34"	18° 24'35"	00° 53'29" R	14° 23'04"	08° 37'03"	22° 10'01"	03° 38'58"	25° 52'04"	26° 54'46"	22° 26'36"	
1982-01-23	04° 02'51"	02° 18'38"	18° 36'40"	00° 16'40" R	14° 40'20"	08° 42'53"	22° 10'59"	03° 41'20"	25° 53'59"	26° 55'02"	22° 27'54"	
1982-01-24	16° 03'58"	03° 19'41"	18° 37'37" R	29° 04'13" R	14° 57'10"	08° 48'34"	22° 11'50"	03° 43'40"	25° 55'54"	26° 55'15"	22° 28'57"	
1982-01-25	28° 14'42"	04° 20'44"	18° 27'07" R	29° 04'24" R	15° 13'33"	08° 54'06"	22° 12'35"	03° 45'57"	25° 57'47"	26° 55'27"	22° 29'30"	
1982-01-26	10° 36'43"	05° 21'45"	18° 05'06" R	28° 29'26" R	15° 29'29"	08° 59'28"	22° 13'14"	03° 48'11"	25° 59'39"	26° 55'36"	22° 29'23" R	
1982-01-27	23° 11'09"	06° 22'46"	17° 31'51" R	27° 55'33" R	15° 44'57"	09° 04'40"	22° 13'46"	03° 50'23"	26° 01'30"	26° 55'43"	22° 28'33" R	
1982-01-28	05° 58'38"	07° 23'46"	16° 48'02" R	27° 22'59" R	15° 59'56"	09° 09'42"	22° 14'12"	03° 52'32"	26° 03'19"	26° 55'48"	22° 27'05" R	
1982-01-29	18° 59'30"	08° 24'45"	15° 54'43" R	26° 51'54" R	16° 14'26"	09° 14'35"	22° 14'31"	03° 54'38"	26° 05'08"	26° 55'50"	22° 25'14" R	
1982-01-30	02° 13'53"	09° 25'42"	14° 53'21" R	26° 22'30" R	16° 28'26"	09° 19'17"	22° 14'44"	03° 56'42"	26° 06'55"	26° 55'51" R	22° 23'17" R	
1982-01-31	15° 41'52"	10° 26'39"	13° 45'43" R	25° 54'56" R	16° 41'56"	09° 23'49"	22° 14'51"	03° 58'42"	26° 08'40"	26° 55'49" R	22° 21'36" R	
1982-02-01	29° 23'26"	11° 27'34"	12° 33'51" R	25° 29'22" R	16° 54'55"	09° 28'12"	22° 15'15" R	04° 00'40"	26° 10'24"	26° 55'45" R	22° 20'26" R	
1982-02-02	13° 18'18"	12° 28'28"	11° 19'52" R	25° 05'54" R	17° 07'23"	09° 32'24"	22° 14'44" R	04° 02'35"	26° 12'07"	26° 55'39" R	22° 19'57" R	
1982-02-03	27° 25'44"	13° 29'20"	10° 05'56" R	24° 44'40" R	17° 19'19"	09° 36'26"	22° 14'31" R	04° 04'27"	26° 13'49"	26° 55'31" R	22° 20'09"	
1982-02-04	11° 44'16"	14° 30'12"	08° 54'05" R	24° 25'44" R	17° 30'43"	09° 40'18"	22° 14'12" R	04° 06'17"	26° 15'29"	26° 55'21" R	22° 20'47"	
1982-02-05	26° 11'25"	15° 31'01"	07° 46'07" R	24° 09'11" R	17° 41'34"	09° 43'59"	22° 13'47" R	04° 08'03"	26° 17'08"	26° 55'09" R	22° 21'31"	
1982-02-06	10° 43'35"	16° 31'50"	06° 43'32" R	23° 55'03" R	17° 51'50"	09° 47'30"	22° 13'15" R	04° 09'47"	26° 18'46"	26° 54'54" R	22° 21'53"	
1982-02-07	25° 05'59"	17° 32'37"	05° 47'30" R	23° 43'24" R	18° 01'33"	09° 50'50"	22° 12'37" R	04° 11'27"	26° 20'21"	26° 54'38" R	22° 21'27" R	
1982-02-08	09° 43'05"	18° 33'22"	04° 58'52" R	23° 34'14" R	18° 10'40"	09° 54'00"	22° 11'53" R	04° 13'05"	26° 21'56"	26° 54'19" R	22° 19'54" R	
1982-02-09	23° 59'03"	19° 34'07"	04° 18'10" R	23° 27'34" R	18° 19'12"	09° 56'59"	22° 11'02" R	04° 14'39"	26° 23'29"	26° 53'58" R	22° 17'04" R	
1982-02-10	07° 58'41"	20° 34'50"	03° 45'39" R	23° 23'23" R	18° 27'07"	09° 59'47"	22° 10'05" R	04° 16'11"	26° 25'00"	26° 53'35" R	22° 13'04" R	
1982-02-11	21° 38'02"	21° 35'31"	03° 21'20" R	23° 21'41" R	18° 34'25"	10° 02'25"	22° 09'02" R	04° 17'39"	26° 26'30"	26° 53'11" R	22° 08'13" R	
1982-02-12	04° 54'57"	22° 36'12"	03° 05'06" R	23° 22'26"	18° 41'06"	10° 04'52"	22° 07'53" R	04° 19'05"	26° 27'58"	26° 52'44" R	22° 03'04" R	
1982-02-13	17° 49'15"	23° 36'51"	02° 56'39" R	23° 25'36"	18° 47'07"	10° 07'07"	22° 06'38" R	04° 20'27"	26° 29'24"	26° 52'15" R	21° 58'15" R	
1982-02-14	00° 22'32"	24° 37'30"	02° 55'39"	23° 31'07"	18° 52'30"	10° 09'12"	22° 05'16" R	04° 21'46"	26° 30'49"	26° 51'43" R	21° 54'23" R	
1982-02-15	12° 37'54"	25° 38'07"	03° 01'40"	23° 38'57"	18° 57'12"	10° 11'06"	22° 03'48" R	04° 23'03"	26° 32'12"	26° 51'10" R	21° 51'55" R	
1982-02-16	24° 39'33"	26° 38'43"	03° 14'16"	23° 49'02"	19° 01'14"	10° 12'49"	22° 02'15" R	04° 24'16"	26° 33'34"	26° 50'35" R	21° 51'02" R	
1982-02-17	06° 32'18"	27° 39'17"	03° 33'00"	24° 01'19"	19° 04'34"	10° 14'20"	22° 00'35" R	04° 25'26"	26° 34'54"	26° 49'59" R	21° 51'39"	
1982-02-18	18° 21'16"	28° 39'51"	03° 57'25"	24° 15'44"	19° 07'12"	10° 15'41"	21° 58'50" R	04° 26'33"	26° 36'12"	26° 49'20" R	21° 53'22"	
1982-02-19	00° 11'34"	29° 40'23"	04° 27'06"	24° 32'13"	19° 09'08"	10° 16'50"	21° 56'58" R	04° 27'36"	26° 37'29"	26° 48'39" R	21° 55'29"	
1982-02-20	12° 07'57"	00° 40'54"	05° 01'39"	24° 45'42"	19° 10'20"	10° 17'48"	21° 55'01" R	04° 28'37"	26° 38'44"	26° 47'56" R	21° 57'16"	
1982-02-21	24° 14'37"	01° 41'24"	05° 40'42"	25° 11'07"	19° 10'48"	10° 18'34"	21° 52'58" R	04° 29'34"	26° 39'57"	26° 47'12" R	21° 57'56" R	
1982-02-22	06° 34'59"	02° 41'52"	06° 23'52"	25° 33'24"	19° 10'31" R	10° 19'09"	21° 50'49" R	04° 30'28"	26° 41'08"	26° 46'25" R	21° 56'54" R	
1982-02-23	19° 11'27"	03° 42'19"	07° 10'51"	25° 57'28"	19° 09'30" R	10° 19'33"	21° 48'35" R	04° 31'19"	26° 42'17"	26° 45'37" R	21° 53'53" R	
1982-02-24	02° 05'11"	04° 42'44"	08° 01'22"	26° 23'16"	19° 07'43" R	10° 19'45"	21° 46'14" R	04° 32'07"	26° 43'25"	26° 44'46" R	21° 48'55" R	
1982-02-25	15° 16'00"	05° 43'07"	08° 55'08"	26° 50'43"	19° 05'11" R	10° 19'46" R	21° 43'49" R	04° 32'51"	26° 44'31"	26° 43'54" R	21° 45'27" R	
1982-02-26	28° 42'31"	06° 43'29"	09° 51'55"	27° 19'47"	19° 01'52" R	10° 19'35" R	21° 41'18" R	04° 33'32"	26° 45'35"	26° 43'00" R	21° 42'10" R	
1982-02-27	12° 22'22"	07° 43'49"	10° 51'30"	27° 50'23"	18° 57'47" R	10° 19'13" R	21° 38'41" R	04° 34'10"	26° 46'37"	26° 42'05" R	21° 42'54" R	
1982-02-28	26° 12'41"	08° 44'07"	11° 53'42"	28° 22'28"	18° 52'56" R	10° 18'40" R	21° 35'59" R	04° 34'45"	26° 47'37"	26° 41'07" R	21° 42'18" R	
1982-02-29	10° 10'38"	09° 44'23"	12° 58'19"	28° 55'57"	18° 47'19" R	10° 17'55" R	21° 33'12" R	04° 35'16"	26° 48'35"	26° 40'08" R	21° 41'30" R	
1982-03-02	24° 13'38"	10° 44'37"	14° 05'14"	29° 30'49"	18° 40'54" R	10° 16'59" R	21° 30'21" R	04° 35'44"	26° 49'32"	26° 39'07" R	21° 41'19" R	
1982-03-03	08° 19'43"	11° 44'49"	15° 14'17"	00° 07'00"	18° 33'44" R	10° 15'52" R	21° 27'24" R	04° 36'09"	26° 50'27"	26° 38'05" R	21° 41'48" R	
1982-03-04	22° 27'20"	12° 44'59"	16° 25'21"	00° 44'26"	18° 25'47" R	10° 14'34" R	21° 24'22" R	04° 36'31"	26° 51'19"	26° 37'01" R	21° 41'30" R	
1982-03-05	06° 35'13"	13° 45'07"	17° 38'20"	01° 23'06"	18° 17'04" R	10° 13'04" R	21° 21'16" R	04° 36'49"	26° 52'10"	26° 35'55" R	21° 41'38" R	

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1982-03-06	20°☉42'06"	14°☿45'12"	18°♁53'07"	02°♂02'55"	18°♁07'34"	10°♌11'23"	21°♁18'04"	04°♁37'04"	26°♁52'59"	26°♁34'48"	21°☉11'15"		
1982-03-07	04°♁46'16"	15°☿45'16"	20°♁09'38"	02°♂04'52"	17°♁57'19"	10°♌09'32"	21°♁14'49"	04°♁37'16"	26°♁53'46"	26°♁33'40"	21°☉09'28"		
1982-03-08	18°♁45'21"	16°☿45'17"	21°♁27'48"	03°♂25'54"	17°♁46'18"	10°♌07'29"	21°♁11'28"	04°♁37'25"	26°♁54'31"	26°♁32'29"	21°☉05'36"		
1982-03-09	02°♁36'21"	17°☿45'17"	22°♁47'33"	04°♂08'58"	17°♁34'32"	10°♌05'15"	21°♁08'04"	04°♁37'30"	26°♁55'14"	26°♁31'18"	20°☉59'21"		
1982-03-10	16°♁15'55"	18°☿45'14"	24°♁08'50"	04°♂53'02"	17°♁22'02"	10°♌02'50"	21°♁04'35"	04°♁37'32"	26°♁55'55"	26°♁30'04"	20°☉50'50"		
1982-03-11	29°♁40'51"	19°☿45'10"	25°♁31'36"	05°♂38'04"	17°♁08'47"	10°♌00'15"	21°♁01'02"	04°♁37'31"	26°♁56'34"	26°♁28'50"	20°☉40'38"		
1982-03-12	12°♁48'45"	20°☿45'03"	26°♁55'48"	06°♂24'02"	16°♁54'49"	09°♌57'28"	20°♁57'24"	04°♁37'27"	26°♁57'11"	26°♁27'34"	20°☉29'38"		
1982-03-13	25°♁38'23"	21°☿44'55"	28°♁21'24"	07°♂10'53"	16°♁40'08"	09°♌54'31"	20°♁53'43"	04°♁37'19"	26°♁57'46"	26°♁26'16"	20°☉18'56"		
1982-03-14	08°♌10'00"	22°☿44'45"	29°♁48'22"	07°♂58'36"	16°♁24'44"	09°♌51'24"	20°♁49'58"	04°♁37'09"	26°♁58'20"	26°♁24'58"	20°☉09'34"		
1982-03-15	20°♌25'23"	23°☿44'33"	01°☿16'41"	08°♂47'08"	16°♁08'40"	09°♌48'05"	20°♁46'09"	04°♁36'55"	26°♁58'51"	26°♁23'38"	20°☉02'21"		
1982-03-16	02°♁27'36"	24°☿44'20"	02°☿46'20"	09°♂36'28"	15°♁51'56"	09°♌44'37"	20°♁42'17"	04°♁36'38"	26°♁59'20"	26°♁22'16"	19°☉57'41"		
1982-03-17	14°♁20'47"	25°☿44'05"	04°☿17'17"	10°♂26'33"	15°♁34'33"	09°♌40'58"	20°♁38'21"	04°♁36'18"	26°♁59'47"	26°♁20'54"	19°☉55'31"		
1982-03-18	26°♁09'53"	26°☿43'48"	05°☿49'31"	11°♂17'21"	15°♁16'33"	09°♌37'09"	20°♁34'22"	04°♁35'55"	27°♁00'12"	26°♁19'30"	19°☉55'18"		
1982-03-19	08°♁50'13"	27°☿43'29"	07°☿23'03"	12°♂08'52"	14°♁57'57"	09°♌33'10"	20°♁30'20"	04°♁35'28"	27°♁00'36"	26°♁18'06"	19°☉56'05"		
1982-03-20	19°♁57'15"	28°☿43'09"	08°☿57'52"	13°♂01'03"	14°♁38'46"	09°♌29'01"	20°♁26'14"	04°♁34'59"	27°♁00'57"	26°♁16'40"	19°☉56'45"		
1982-03-21	02°♂06'10"	29°☿42'47"	10°☿33'57"	13°♂53'52"	14°♁19'03"	09°♌24'42"	20°♁22'05"	04°♁34'26"	27°♁01'16"	26°♁15'13"	19°☉56'11"		
1982-03-22	14°♁31'34"	00°♁42'23"	12°☿11'19"	14°♂47'19"	13°♁58'50"	09°♌20'13"	20°♁17'54"	04°♁33'50"	27°♁01'33"	26°♁13'45"	19°☉53'29"		
1982-03-23	27°♁17'04"	01°♁41'57"	13°☿49'58"	15°♂41'21"	13°♁38'07"	09°♌15'35"	20°♁13'40"	04°♁33'11"	27°♁01'48"	26°♁12'16"	19°☉48'11"		
1982-03-24	10°☿24'48"	02°♁41'30"	15°☿29'55"	16°♂35'57"	13°♁16'58"	09°♌10'47"	20°♁09'23"	04°♁32'29"	27°♁02'02"	26°♁10'46"	19°☉40'16"		
1982-03-25	23°☿54'55"	03°♁41'00"	17°☿11'08"	17°♂31'06"	12°♁55'24"	09°♌05'50"	20°♁05'04"	04°♁31'44"	27°♁02'13"	26°♁09'14"	19°☉30'16"		
1982-03-26	07°♁45'29"	04°♁40'29"	18°☿53'41"	18°♂26'46"	12°♁33'29"	09°♌00'44"	20°♁00'42"	04°♁30'56"	27°♁02'21"	26°♁07'42"	19°☉19'05"		
1982-03-27	21°♁52'29"	05°♁39'55"	20°☿37'31"	19°♂22'57"	12°♁11'14"	08°♌55'30"	19°♁56'18"	04°♁30'05"	27°♁02'28"	26°♁06'10"	19°☉07'50"		
1982-03-28	06°♁10'32"	06°♁39'20"	22°☿22'42"	20°♂19'36"	11°♁48'43"	08°♌50'06"	19°♁51'52"	04°♁29'11"	27°♁02'33"	26°♁04'36"	18°☉57'37"		
1982-03-29	20°♁33'45"	07°♁38'42"	24°☿09'12"	21°♂16'44"	11°♁25'57"	08°♌44'35"	19°♁47'25"	04°♁28'15"	27°♁02'36"	26°♁03'01"	18°☉49'20"		
1982-03-30	04°♁56'42"	08°♁38'02"	25°☿57'03"	22°♂14'18"	11°♁03'00"	08°♌38'55"	19°♁42'56"	04°♁27'15"	27°♁02'37"	26°♁01'26"	18°☉43'28"		
1982-03-31	19°♁15'07"	09°♁37'20"	27°☿46'16"	23°♂12'18"	10°♁39'55"	08°♌33'07"	19°♁38'25"	04°♁26'12"	27°♁02'36"	25°♁59'51"	18°☉39'56"		
1982-04-01	03°☉26'16"	10°♁36'35"	29°☿36'51"	24°♂10'44"	10°♁16'43"	08°♌27'12"	19°♁33'53"	04°♁25'07"	27°♁02'34"	25°♁58'14"	18°☉38'14"		
1982-04-02	17°☉28'44"	11°♁35'48"	01°♁28'47"	25°♂09'33"	09°♁53'28"	08°♌21'10"	19°♁29'20"	04°♁23'59"	27°♁02'29"	25°♁56'37"	18°☉37'24"		
1982-04-03	01°♁22'08"	12°♁34'59"	03°♁22'07"	26°♂08'46"	09°♁30'13"	08°♌15'00"	19°♁24'46"	04°♁22'48"	27°♁02'22"	25°♁55'00"	18°☉36'17"		
1982-04-04	15°♁06'29"	13°♁34'07"	05°♁16'48"	27°♂08'21"	09°♁07'00"	08°♌08'43"	19°♁20'10"	04°♁21'34"	27°♁02'13"	25°♁53'22"	18°☉33'43"		
1982-04-05	28°♁41'43"	14°♁33'13"	07°♁12'52"	28°♂08'18"	08°♁43'52"	08°♌02'19"	19°♁15'34"	04°♁20'18"	27°♁02'02"	25°♁51'43"	18°☉28'48"		
1982-04-06	12°♁07'23"	15°♁32'17"	09°♁10'16"	29°♂08'37"	08°♁20'51"	07°♌55'49"	19°♁10'57"	04°♁18'59"	27°♁01'49"	25°♁50'04"	18°☉21'04"		
1982-04-07	25°♁22'35"	16°♁31'19"	11°♁08'59"	00°♁09'16"	07°♁57'59"	07°♌49'13"	19°♁06'20"	04°♁17'37"	27°♁01'34"	25°♁48'24"	18°☉10'34"		
1982-04-08	08°♁26'03"	17°♁30'18"	13°♁09'00"	01°♁10'15"	07°♁35'21"	07°♌42'31"	19°♁01'42"	04°♁16'13"	27°♁01'17"	25°♁46'44"	17°☉57'54"		
1982-04-09	21°♁16'32"	18°♁29'15"	15°♁10'14"	02°☿11'34"	07°♁12'57"	07°♌35'43"	18°♁57'05"	04°♁14'46"	27°♁00'59"	25°♁45'04"	17°☉44'05"		
1982-04-10	03°♌53'14"	19°♁28'11"	17°♁12'38"	03°☿13'11"	06°♁50'50"	07°♌28'49"	18°♁52'27"	04°♁13'16"	27°♁00'38"	25°♁43'23"	17°☉30'23"		
1982-04-11	16°♌16'07"	20°♁27'04"	19°♁16'06"	04°☿15'06"	06°♁29'03"	07°♌21'51"	18°♁47'49"	04°♁11'45"	27°♁00'16"	25°♁41'42"	17°☉18'02"		
1982-04-12	28°♌26'08"	21°♁25'55"	21°♁20'32"	05°☿17'19"	06°♁07'38"	07°♌14'48"	18°♁43'11"	04°♁10'10"	26°♁59'51"	25°♁40'01"	17°☉08'06"		
1982-04-13	10°♁25'22"	22°♁24'45"	23°♁25'47"	06°☿19'49"	05°♁46'38"	07°♌07'40"	18°♁38'34"	04°♁08'34"	26°♁59'25"	25°♁38'20"	17°☉01'09"		
1982-04-14	22°♁16'58"	23°♁23'33"	25°♁31'42"	07°♁22'36"	05°♁26'03"	07°♌00'28"	18°♁33'57"	04°♁06'55"	26°♁58'57"	25°♁36'38"	16°☉57'15"		
1982-04-15	04°♁05'03"	24°♁22'19"	27°♁38'05"	08°☿25'38"	05°♁05'57"	06°♌53'11"	18°♁29'21"	04°♁05'13"	26°♁58'27"	25°♁34'57"	16°☉55'55"		
1982-04-16	15°♁54'29"	25°♁21'04"	29°♁44'42"	09°☿28'56"	04°♁46'21"	06°♌45'51"	18°♁24'46"	04°♁03'30"	26°♁57'56"	25°♁33'15"	16°☉56'12"		
1982-04-17	27°♁50'36"	26°♁19'47"	01°♁51'21"	10°☿32'29"	04°♁27'18"	06°♌38'28"	18°♁20'12"	04°♁01'44"	26°♁57'22"	25°♁31'34"	16°☉56'55"		
1982-04-18	09°♁58'51"	27°♁18'28"	03°♁57'43"	11°☿36'16"	04°♁08'48"	06°♌31'01"	18°♁15'38"	03°♁59'56"	26°♁56'47"	25°♁29'52"	16°☉56'49"		
1982-04-19	22°♁24'30"	28°♁17'07"	06°♁03'31"	12°☿40'16"	03°♁50'54"	06°♌23'32"	18°♁11'06"	03°♁58'06"	26°♁56'10"	25°♁28'11"	16°☉54'52"		
1982-04-20	05°☿12'11"	29°♁15'45"	08°♁08'27"	13°☿44'30"	03°♁33'38"	06°♌16'00"	18°♁06'35"	03°♁56'14"	26°♁55'31"	25°♁26'29"	16°☉50'26"		
1982-04-21	18°☿25'12"	00°♁14'20"	10°♁12'12"	14°☿48'57"	03°♁17'01"	06°♌08'26"	18°♁02'06"	03°♁54'19"	26°♁54'50"	25°♁24'48"	16°☉43'25"		
1982-04-22	02°♁04'54"	01°♁12'55"	12°♁14'25"	15°☿53'36"	03°♁01'04"	06°♌00'50"	17°♁57'39"	03°♁52'23"	26°♁54'07"	25°♁23'07"	16°☉34'12"		
1982-04-23	16°♁10'06"	02°♁11'27"	14°♁14'47"	16°☿58'27"	02°♁45'48"	05°♌53'12"	17°♁53'13"	03°♁50'25"	26°♁53'23"	25°♁21'26"	16°☉23'37"		
1982-04-24	00°♁36'44"	03°♁09'58"	16°♁12'59"	18°☿03'30"	02°♁31'16"	05°♌45'33"	17°♁48'49"	03°♁48'24"	26°♁52'37"	25°♁19'45"	16°☉12'45"		
1982-04-25	15°♁18'17"	04°♁08'27"	18°♁08'43"	19°☿08'43"	02°♁17'28"	05°♌37'53"	17°♁44'27"	03°♁46'22"	26°♁51'49"	25°♁18'05"	16°☉02'45"		
1982-04-26	00°♁06'47"	05°♁06'54"	20°♁01'43"	20°☿14'08"	02°♁04'25"	05°♌30'13"	17°♁40'08"	03°♁44'19"	26°♁51'00"	25°♁16'25"	15°☉54'32"		
1982-04-27	14°♁54'06"	06°♁05'19"	21°♁51'43"	21°☿19'42"	01°♁52'08"	05°♌22'33"	17°♁35'51"	03°♁42'13"	26°♁50'09"	25°♁14'45"	15°☉48'39"		

Date	♈ Geo Lon	♉ Geo Lon	♊ Geo Lon	♋ Geo Lon	♌ Geo Lon	♍ Geo Lon	♎ Geo Lon	♏ Geo Lon	♐ Geo Lon	♑ Geo Lon	♒ Geo Lon	♓ Geo Lon
1982-04-28	29°Ⅱ33'13"	07°Ⅷ03'42"	23°Ⅷ38'28"	22°Ⅴ25'27"	01°Ⅰ40'37"R	05°Ⅲ14'53"R	17°Ⅱ31'37"R	03°Ⅰ40'06"R	26°Ⅰ49'16"R	25°Ⅰ13'06"R	15°Ⅰ45'10"R	
1982-04-29	13°Ⅰ59'10"	08°Ⅷ02'02"	25°Ⅷ21'48"	23°Ⅴ31'21"	01°Ⅰ29'54"R	05°Ⅲ07'14"R	17°Ⅱ27'25"R	03°Ⅰ37'58"R	26°Ⅰ48'22"R	25°Ⅰ11'27"R	15°Ⅰ43'40"R	
1982-04-30	28°Ⅰ09'11"	09°Ⅷ00'21"	27°Ⅷ01'30"	24°Ⅴ37'25"	01°Ⅰ19'58"R	04°Ⅲ59'35"R	17°Ⅱ23'16"R	03°Ⅰ35'47"R	26°Ⅰ47'26"R	25°Ⅰ09'49"R	15°Ⅰ43'18"R	
1982-05-01	12°Ⅰ02'24"	09°Ⅷ58'38"	28°Ⅷ37'26"	25°Ⅴ43'37"	01°Ⅰ10'50"R	04°Ⅲ51'57"R	17°Ⅱ19'10"R	03°Ⅰ33'36"R	26°Ⅰ46'29"R	25°Ⅰ08'12"R	15°Ⅰ43'00"R	
1982-05-02	25°Ⅰ39'19"	10°Ⅷ56'53"	00°Ⅱ09'28"	26°Ⅴ49'59"	01°Ⅰ02'30"R	04°Ⅲ44'21"R	17°Ⅱ15'07"R	03°Ⅰ31'22"R	26°Ⅰ45'30"R	25°Ⅰ06'35"R	15°Ⅰ41'40"R	
1982-05-03	09°Ⅱ01'03"	11°Ⅷ55'05"	01°Ⅱ37'28"	27°Ⅴ56'29"	00°Ⅰ54'58"R	04°Ⅲ36'47"R	17°Ⅱ11'07"R	03°Ⅰ29'08"R	26°Ⅰ44'30"R	25°Ⅰ04'58"R	15°Ⅰ38'25"R	
1982-05-04	22°Ⅱ08'52"	12°Ⅷ53'15"	03°Ⅱ01'21"	29°Ⅴ03'07"	00°Ⅰ48'14"R	04°Ⅲ29'15"R	17°Ⅱ07'10"R	03°Ⅰ26'52"R	26°Ⅰ43'28"R	25°Ⅰ03'23"R	15°Ⅰ32'43"R	
1982-05-05	05°Ⅰ03'53"	13°Ⅷ51'24"	04°Ⅱ12'02"	00°Ⅱ09'54"	00°Ⅰ42'17"R	04°Ⅲ21'45"R	17°Ⅱ03'17"R	03°Ⅰ24'35"R	26°Ⅰ42'25"R	25°Ⅰ01'47"R	15°Ⅰ24'33"R	
1982-05-06	17°Ⅰ46'56"	14°Ⅷ49'31"	05°Ⅱ36'24"	01°Ⅱ16'50"	00°Ⅰ37'09"R	04°Ⅲ14'18"R	16°Ⅱ59'27"R	03°Ⅰ22'16"R	26°Ⅰ41'20"R	25°Ⅰ00'13"R	15°Ⅰ15'23"R	
1982-05-07	00°Ⅲ18'36"	15°Ⅷ47'35"	06°Ⅱ47'25"	02°Ⅱ23'53"	00°Ⅰ32'48"R	04°Ⅲ06'54"R	16°Ⅱ55'41"R	03°Ⅰ19'57"R	26°Ⅰ40'14"R	24°Ⅰ58'39"R	15°Ⅰ03'03"R	
1982-05-08	12°Ⅲ39'24"	16°Ⅷ45'39"	07°Ⅱ54'00"	03°Ⅱ31'04"	00°Ⅰ29'15"R	03°Ⅲ59'33"R	16°Ⅱ51'59"R	03°Ⅰ17'36"R	26°Ⅰ39'06"R	24°Ⅰ57'07"R	14°Ⅰ51'42"R	
1982-05-09	24°Ⅲ50'00"	17°Ⅷ43'40"	08°Ⅱ56'05"	04°Ⅱ38'22"	00°Ⅰ26'28"R	03°Ⅲ52'15"R	16°Ⅱ48'20"R	03°Ⅰ15'14"R	26°Ⅰ37'57"R	24°Ⅰ55'35"R	14°Ⅰ41'26"R	
1982-05-10	06°Ⅰ51'27"	18°Ⅷ41'40"	09°Ⅱ53'36"	05°Ⅱ45'49"	00°Ⅰ24'28"R	03°Ⅲ45'02"R	16°Ⅱ44'45"R	03°Ⅰ12'52"R	26°Ⅰ36'47"R	24°Ⅰ54'04"R	14°Ⅰ33'14"R	
1982-05-11	18°Ⅰ45'28"	19°Ⅷ39'38"	10°Ⅱ46'29"	06°Ⅱ53'22"	00°Ⅰ23'15"R	03°Ⅲ37'53"R	16°Ⅱ41'14"R	03°Ⅰ10'28"R	26°Ⅰ35'36"R	24°Ⅰ52'34"R	14°Ⅰ27'43"R	
1982-05-12	00°Ⅰ34'26"	20°Ⅷ37'35"	11°Ⅱ34'41"	08°Ⅱ01'03"	00°Ⅰ22'47"R	03°Ⅲ30'48"R	16°Ⅱ37'48"R	03°Ⅰ08'04"R	26°Ⅰ34'23"R	24°Ⅰ51'04"R	14°Ⅰ24'59"R	
1982-05-13	12°Ⅰ21'33"	21°Ⅷ35'31"	12°Ⅱ18'07"	09°Ⅱ08'50"	00°Ⅰ23'05"R	03°Ⅲ23'48"R	16°Ⅱ34'25"R	03°Ⅰ05'39"R	26°Ⅰ33'09"R	24°Ⅰ49'36"R	14°Ⅰ24'44"R	
1982-05-14	24°Ⅰ10'46"	22°Ⅷ33'25"	12°Ⅱ56'46"	10°Ⅱ16'45"	00°Ⅰ24'07"R	03°Ⅲ16'53"R	16°Ⅱ31'07"R	03°Ⅰ03'13"R	26°Ⅰ31'54"R	24°Ⅰ48'09"R	14°Ⅰ26'12"R	
1982-05-15	06°Ⅰ06'37"	23°Ⅷ31'18"	13°Ⅱ30'33"	11°Ⅱ24'46"	00°Ⅰ25'55"R	03°Ⅲ10'02"R	16°Ⅱ27'53"R	03°Ⅰ00'47"R	26°Ⅰ30'37"R	24°Ⅰ46'43"R	14°Ⅰ28'25"R	
1982-05-16	18°Ⅰ14'04"	24°Ⅷ29'10"	13°Ⅱ59'27"	12°Ⅱ32'53"	00°Ⅰ28'26"R	03°Ⅲ03'18"R	16°Ⅱ24'44"R	02°Ⅰ58'20"R	26°Ⅰ29'20"R	24°Ⅰ45'18"R	14°Ⅰ30'19"R	
1982-05-17	00°Ⅰ38'12"	25°Ⅷ27'00"	14°Ⅱ23'26"	13°Ⅱ41'06"	00°Ⅰ31'41"R	02°Ⅲ56'39"R	16°Ⅱ21'39"R	02°Ⅰ55'52"R	26°Ⅰ28'01"R	24°Ⅰ43'54"R	14°Ⅰ29'59"R	
1982-05-18	13°Ⅰ23'51"	26°Ⅷ25'50"	14°Ⅱ42'28"	14°Ⅱ49'26"	00°Ⅰ35'38"R	02°Ⅲ50'06"R	16°Ⅱ18'39"R	02°Ⅰ53'24"R	26°Ⅰ26'41"R	24°Ⅰ42'31"R	14°Ⅰ29'50"R	
1982-05-19	26°Ⅰ35'03"	27°Ⅷ22'38"	14°Ⅱ56'35"	15°Ⅱ57'51"	00°Ⅰ40'19"R	02°Ⅲ43'39"R	16°Ⅱ15'44"R	02°Ⅰ50'55"R	26°Ⅰ25'20"R	24°Ⅰ41'09"R	14°Ⅰ26'38"R	
1982-05-20	10°Ⅱ14'17"	28°Ⅷ20'25"	15°Ⅱ05'48"	17°Ⅱ06'22"	00°Ⅰ45'41"R	02°Ⅲ37'19"R	16°Ⅱ12'53"R	02°Ⅰ48'26"R	26°Ⅰ23'58"R	24°Ⅰ39'48"R	14°Ⅰ21'37"R	
1982-05-21	24°Ⅱ21'42"	29°Ⅷ18'11"	15°Ⅱ10'11"	18°Ⅱ14'59"	00°Ⅰ51'45"R	02°Ⅲ31'06"R	16°Ⅱ10'07"R	02°Ⅰ45'56"R	26°Ⅰ22'35"R	24°Ⅰ38'29"R	14°Ⅰ15'21"R	
1982-05-22	08°Ⅰ54'34"	00°Ⅱ15'55"	15°Ⅱ09'49"R	19°Ⅱ23'40"	00°Ⅰ58'30"R	02°Ⅲ24'59"R	16°Ⅱ07'26"R	02°Ⅰ43'27"R	26°Ⅰ21'11"R	24°Ⅰ37'11"R	14°Ⅰ08'37"R	
1982-05-23	23°Ⅰ47'07"	01°Ⅱ13'39"	15°Ⅱ04'50"R	20°Ⅱ32'27"	01°Ⅰ05'55"R	02°Ⅲ19'00"R	16°Ⅱ04'51"R	02°Ⅰ40'57"R	26°Ⅰ19'46"R	24°Ⅰ35'54"R	14°Ⅰ02'18"R	
1982-05-24	08°Ⅰ51'10"	02°Ⅱ11'21"	14°Ⅱ55'25"R	21°Ⅱ41'19"	01°Ⅰ14'01"R	02°Ⅲ13'09"R	16°Ⅱ02'20"R	02°Ⅰ38'27"R	26°Ⅰ18'20"R	24°Ⅰ34'39"R	13°Ⅰ57'07"R	
1982-05-25	23°Ⅱ57'17"	03°Ⅱ09'02"	14°Ⅱ41'46"R	22°Ⅱ50'16"	01°Ⅰ22'46"R	02°Ⅲ07'25"R	15°Ⅱ59'55"R	02°Ⅰ35'58"R	26°Ⅰ16'54"R	24°Ⅰ33'25"R	13°Ⅰ53'32"R	
1982-05-26	08°Ⅰ56'21"	04°Ⅱ06'42"	14°Ⅱ24'10"R	23°Ⅱ59'17"	01°Ⅰ32'09"R	02°Ⅲ01'49"R	15°Ⅱ57'35"R	02°Ⅰ33'28"R	26°Ⅰ15'26"R	24°Ⅰ32'13"R	13°Ⅰ51'42"R	
1982-05-27	23°Ⅰ40'50"	05°Ⅱ04'20"	14°Ⅱ02'57"R	25°Ⅱ08'22"	01°Ⅰ42'11"R	01°Ⅲ56'21"R	15°Ⅱ55'21"R	02°Ⅰ30'58"R	26°Ⅰ13'58"R	24°Ⅰ31'02"R	13°Ⅰ51'22"R	
1982-05-28	08°Ⅰ05'42"	06°Ⅱ01'57"	13°Ⅱ38'28"R	26°Ⅱ17'32"	01°Ⅰ52'49"R	01°Ⅲ51'02"R	15°Ⅱ53'12"R	02°Ⅰ28'29"R	26°Ⅰ12'29"R	24°Ⅰ29'52"R	13°Ⅰ51'59"R	
1982-05-29	22°Ⅰ08'25"	06°Ⅱ59'32"	13°Ⅱ11'10"R	27°Ⅱ26'46"	02°Ⅰ04'05"R	01°Ⅲ45'51"R	15°Ⅱ51'08"R	02°Ⅰ26'00"R	26°Ⅰ10'59"R	24°Ⅰ28'44"R	13°Ⅰ52'53"R	
1982-05-30	05°Ⅱ48'41"	07°Ⅱ57'06"	12°Ⅱ41'31"R	28°Ⅱ36'05"	02°Ⅰ15'56"R	01°Ⅲ40'49"R	15°Ⅱ49'10"R	02°Ⅰ23'31"R	26°Ⅰ09'29"R	24°Ⅰ27'37"R	13°Ⅰ53'17"R	
1982-05-31	19°Ⅱ07'40"	08°Ⅱ54'38"	12°Ⅱ10'01"R	29°Ⅱ45'27"	02°Ⅰ28'22"R	01°Ⅲ35'55"R	15°Ⅱ47'17"R	02°Ⅰ21'02"R	26°Ⅰ07'58"R	24°Ⅰ26'32"R	13°Ⅰ52'36"R	
1982-06-01	02°Ⅰ07'27"	09°Ⅱ52'09"	11°Ⅱ37'14"R	00°Ⅱ54'53"	02°Ⅰ41'22"R	01°Ⅲ31'11"R	15°Ⅱ45'30"R	02°Ⅰ18'34"R	26°Ⅰ06'26"R	24°Ⅰ25'28"R	13°Ⅰ50'26"R	
1982-06-02	14°Ⅰ50'31"	10°Ⅱ49'39"	11°Ⅱ03'43"R	02°Ⅱ04'24"	02°Ⅰ54'57"R	01°Ⅲ26'36"R	15°Ⅱ43'48"R	02°Ⅰ16'06"R	26°Ⅰ04'53"R	24°Ⅰ24'26"R	13°Ⅰ46'45"R	
1982-06-03	27°Ⅰ19'22"	11°Ⅱ47'07"	10°Ⅱ30'05"R	03°Ⅱ13'58"	03°Ⅰ09'04"R	01°Ⅲ22'10"R	15°Ⅱ42'12"R	02°Ⅰ13'39"R	26°Ⅰ03'20"R	24°Ⅰ23'25"R	13°Ⅰ41'49"R	
1982-06-04	09°Ⅲ36'23"	12°Ⅱ44'35"	09°Ⅱ56'52"R	04°Ⅱ23'37"	03°Ⅰ23'43"R	01°Ⅲ17'53"R	15°Ⅱ40'42"R	02°Ⅰ11'12"R	26°Ⅰ01'46"R	24°Ⅰ22'26"R	13°Ⅰ36'10"R	
1982-06-05	21°Ⅲ43'41"	13°Ⅱ42'01"	09°Ⅱ24'41"R	05°Ⅱ33'20"	03°Ⅰ38'54"R	01°Ⅲ13'46"R	15°Ⅱ39'18"R	02°Ⅰ08'46"R	26°Ⅰ00'12"R	24°Ⅰ21'29"R	13°Ⅰ30'29"R	
1982-06-06	03°Ⅰ43'12"	14°Ⅱ39'26"	08°Ⅱ54'03"R	06°Ⅱ43'06"	03°Ⅰ54'36"R	01°Ⅲ09'48"R	15°Ⅱ37'59"R	02°Ⅰ06'21"R	25°Ⅰ58'38"R	24°Ⅰ20'33"R	13°Ⅰ25'28"R	
1982-06-07	15°Ⅰ36'46"	15°Ⅱ36'50"	08°Ⅱ25'30"R	07°Ⅱ52'57"	04°Ⅰ10'48"R	01°Ⅲ06'01"R	15°Ⅱ36'46"R	02°Ⅰ03'56"R	25°Ⅰ57'03"R	24°Ⅰ19'39"R	13°Ⅰ21'43"R	
1982-06-08	27°Ⅰ26'17"	16°Ⅱ34'13"	07°Ⅱ59'30"R	09°Ⅱ02'51"	04°Ⅰ27'30"R	01°Ⅲ02'23"R	15°Ⅱ35'39"R	02°Ⅰ01'33"R	25°Ⅰ55'28"R	24°Ⅰ18'47"R	13°Ⅰ19'34"R	
1982-06-09	09°Ⅰ13'57"	17°Ⅱ31'36"	07°Ⅱ36'28"R	10°Ⅱ12'49"	04°Ⅰ44'42"R	00°Ⅲ58'55"R	15°Ⅱ34'38"R	01°Ⅰ59'10"R	25°Ⅰ53'52"R	24°Ⅰ17'56"R	13°Ⅰ19'08"R	
1982-06-10	21°Ⅰ02'17"	18°Ⅱ28'58"	07°Ⅱ16'47"R	11°Ⅱ22'51"	05°Ⅰ02'21"R	00°Ⅲ55'37"R	15°Ⅱ33'43"R	01°Ⅰ56'49"R	25°Ⅰ52'17"R	24°Ⅰ17'07"R	13°Ⅰ20'12"R	
1982-06-11	02°Ⅰ54'14"	19°Ⅱ26'19"	07°Ⅱ00'47"R	12°Ⅱ32'57"	05°Ⅰ20'29"R	00°Ⅲ52'29"R	15°Ⅱ32'53"R	01°Ⅰ54'28"R	25°Ⅰ50'40"R	24°Ⅰ16'20"R	13°Ⅰ22'20"R	
1982-06-12	14°Ⅰ53'16"	20°Ⅱ23'39"	06°Ⅱ48'43"R	13°Ⅱ43'06"	05°Ⅰ39'04"R	00°Ⅲ49'32"R	15°Ⅱ32'10"R	01°Ⅰ52'08"R	25°Ⅰ49'04"R	24°Ⅰ15'35"R	13°Ⅰ24'57"R	
1982-06-13	27°Ⅰ03'13"	21°Ⅱ20'59"	06°Ⅱ40'49"R	14°Ⅱ53'19"	05°Ⅰ58'06"R	00°Ⅲ46'44"R	15°Ⅱ31'32"R	01°Ⅰ49'50"R	25°Ⅰ47'27"R	24°Ⅰ14'51"R	13°Ⅰ27'29"R	
1982-06-14	09°Ⅰ28'13"	22°Ⅱ18'19"	06°Ⅱ37'15"R	16°Ⅱ03'36"	06°Ⅰ17'35"R	00°Ⅲ44'07"R	15°Ⅱ31'00"R	01°Ⅰ47'32"R	25°Ⅰ45'50"R	24°Ⅰ14'10"R	13°Ⅰ29'25"R	
1982-06-15	22°Ⅰ12'26"	23°Ⅱ15'38"	06°Ⅱ38'07"	17°Ⅱ13'56"	06°Ⅰ37'30"R	00°Ⅲ41'41"R	15°Ⅱ30'35"R	01°Ⅰ45'16"R	25°Ⅰ44'13"R	24°Ⅰ13'30"R	13°Ⅰ30'24"R	
1982-06-16	05°Ⅱ19'40"	24°Ⅱ12'56"	06°Ⅱ43'32"	18°Ⅱ24'20"	06°Ⅰ57'50"R	00°Ⅲ39'25"R	15°Ⅱ30'15"R	01°Ⅰ43'01"R	25°Ⅰ42'36"R	24°Ⅰ12'51"R	13°Ⅰ30'18"R	
1982-06-17	18°Ⅱ52'48"	25°Ⅱ10'15"	06°Ⅱ53'31"	19°Ⅱ34'47"	07°Ⅰ18'35"R	00°Ⅲ37'19"R	15°Ⅱ30'01"R	01°Ⅰ40'47"R	25°Ⅰ40'59"R	24°Ⅰ12'15"R	13°Ⅰ29'14"R	
1982-06-18	02°Ⅱ53'05"	26°Ⅱ07'33"	07°Ⅱ08'07"	20°Ⅱ45'17"	07°Ⅰ39'45"R	00°Ⅲ35'24"R	15°Ⅱ29'53"R	01°Ⅰ38'35"R	25°Ⅰ39'22"R	24°Ⅰ11'41"R	13°Ⅰ27'27"R	
1982-06-19	17°Ⅱ19'27"	27°Ⅱ04'50"	07°Ⅱ27'19"	21°Ⅱ55'51"	08°Ⅰ01'20"R	00°Ⅲ33'40"R	15°Ⅱ29'51"R	01°Ⅰ36'24"R	25°Ⅰ37'44"R	24°Ⅰ11'08"R	13°Ⅰ25'19"R	

Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♋ Geo Lon	♌ Geo Lon	♍ Geo Lon	♎ Geo Lon	♏ Geo Lon	♐ Geo Lon
1982-06-20	02°Ⅱ08'06"	28°Ⅱ02'08"	07°Ⅱ51'06"	23°Ⅷ06'28"	08°Ⅴ23'18"	00°Ⅲ32'07" R _x	15°Ⅴ29'55"	01°Ⅰ34'15" R _x	25°Ⅰ36'07" R _x	24°Ⅴ10'38" R _x	13°Ⅴ23'13" R _x
1982-06-21	17°Ⅱ12'28"	28°Ⅱ59'25"	08°Ⅱ19'24"	24°Ⅷ17'08"	08°Ⅴ45'41"	00°Ⅲ30'44" R _x	15°Ⅴ30'06"	01°Ⅰ32'08" R _x	25°Ⅰ34'30" R _x	24°Ⅴ10'09" R _x	13°Ⅴ21'29" R _x
1982-06-22	02°Ⅴ23'56"	29°Ⅱ56'42"	08°Ⅱ52'11"	25°Ⅷ27'51"	09°Ⅴ08'26"	00°Ⅲ29'33" R _x	15°Ⅴ30'22"	01°Ⅰ32'02" R _x	25°Ⅰ32'53" R _x	24°Ⅴ09'42" R _x	13°Ⅴ20'16" R _x
1982-06-23	17°Ⅴ32'57"	00°Ⅴ53'58"	09°Ⅱ29'23"	26°Ⅷ38'37"	09°Ⅴ31'34"	00°Ⅲ28'32" R _x	15°Ⅴ30'45"	01°Ⅰ27'57" R _x	25°Ⅰ31'17" R _x	24°Ⅴ09'18" R _x	13°Ⅴ19'39" R _x
1982-06-24	02°Ⅰ30'28"	01°Ⅴ51'14"	10°Ⅱ10'56"	27°Ⅷ49'25"	09°Ⅴ55'04"	00°Ⅲ27'42" R _x	15°Ⅴ31'13"	01°Ⅰ25'55" R _x	25°Ⅰ29'40" R _x	24°Ⅴ08'55" R _x	13°Ⅴ19'31"
1982-06-25	17°Ⅰ09'11"	02°Ⅴ48'29"	10°Ⅱ56'47"	29°Ⅷ00'17"	10°Ⅴ18'57"	00°Ⅲ27'03" R _x	15°Ⅴ31'48"	01°Ⅰ23'54" R _x	25°Ⅰ28'04" R _x	24°Ⅴ08'34" R _x	13°Ⅴ19'42"
1982-06-26	01°Ⅱ24'17"	03°Ⅴ45'44"	11°Ⅱ46'52"	00°Ⅱ11'11"	10°Ⅴ43'10"	00°Ⅲ26'35" R _x	15°Ⅴ32'28"	01°Ⅰ21'55" R _x	25°Ⅰ26'28" R _x	24°Ⅴ08'15" R _x	13°Ⅴ19'57"
1982-06-27	15°Ⅱ13'38"	05°Ⅴ42'58"	12°Ⅱ41'06"	01°Ⅱ22'08"	11°Ⅴ07'45"	00°Ⅲ26'18" R _x	15°Ⅴ33'15"	01°Ⅰ19'58" R _x	25°Ⅰ24'52" R _x	24°Ⅴ07'58" R _x	13°Ⅴ20'06"
1982-06-28	28°Ⅱ37'23"	04°Ⅴ40'12"	13°Ⅱ39'25"	02°Ⅱ33'07"	11°Ⅴ32'40"	00°Ⅲ26'11" R _x	15°Ⅴ34'07"	01°Ⅰ18'03" R _x	25°Ⅰ23'16" R _x	24°Ⅴ07'43" R _x	13°Ⅴ19'59" R _x
1982-06-29	11°Ⅴ37'25"	06°Ⅴ37'25"	14°Ⅱ41'48"	03°Ⅱ44'10"	11°Ⅴ57'54"	00°Ⅲ26'15"	15°Ⅴ35'06"	01°Ⅰ16'10" R _x	25°Ⅰ21'41" R _x	24°Ⅴ07'30" R _x	13°Ⅴ19'35" R _x
1982-06-30	24°Ⅴ16'43"	07°Ⅴ34'37"	15°Ⅱ48'10"	04°Ⅱ55'14"	12°Ⅴ23'29"	00°Ⅲ26'31"	15°Ⅴ36'10"	01°Ⅰ14'18" R _x	25°Ⅰ20'07" R _x	24°Ⅴ07'19" R _x	13°Ⅴ18'58" R _x
1982-07-01	06°Ⅲ38'53"	08°Ⅴ31'49"	16°Ⅱ58'28"	06°Ⅱ06'22"	12°Ⅴ49'23"	00°Ⅲ26'57"	15°Ⅴ37'20"	01°Ⅰ12'29" R _x	25°Ⅰ18'32" R _x	24°Ⅴ07'10" R _x	13°Ⅴ18'16" R _x
1982-07-02	18°Ⅲ47'37"	09°Ⅴ29'01"	18°Ⅱ12'39"	07°Ⅱ17'33"	13°Ⅴ15'35"	00°Ⅲ27'34"	15°Ⅴ38'37"	01°Ⅰ10'42" R _x	25°Ⅰ16'59" R _x	24°Ⅴ07'03" R _x	13°Ⅴ17'40" R _x
1982-07-03	00°Ⅰ46'32"	10°Ⅴ26'12"	19°Ⅱ30'41"	08°Ⅱ28'46"	13°Ⅴ42'06"	00°Ⅲ28'21"	15°Ⅴ39'59"	01°Ⅰ08'58" R _x	25°Ⅰ15'25" R _x	24°Ⅴ06'59" R _x	13°Ⅴ17'17" R _x
1982-07-04	12°Ⅰ38'57"	11°Ⅴ23'24"	20°Ⅱ52'30"	09°Ⅱ40'02"	14°Ⅴ08'55"	00°Ⅲ29'20"	15°Ⅴ41'27"	01°Ⅰ07'15" R _x	25°Ⅰ13'53" R _x	24°Ⅴ06'56" R _x	13°Ⅴ17'14"
1982-07-05	24°Ⅰ27'48"	12°Ⅴ20'35"	22°Ⅱ18'04"	10°Ⅱ51'21"	14°Ⅴ36'02"	00°Ⅲ30'29"	15°Ⅴ43'00"	01°Ⅰ05'35" R _x	25°Ⅰ12'21" R _x	24°Ⅴ06'55"	13°Ⅴ17'31"
1982-07-06	06°Ⅴ15'44"	13°Ⅴ17'46"	23°Ⅱ47'20"	12°Ⅱ02'43"	15°Ⅴ03'26"	00°Ⅲ31'49"	15°Ⅴ44'40"	01°Ⅰ03'57" R _x	25°Ⅰ10'50" R _x	24°Ⅴ06'56"	13°Ⅴ18'04"
1982-07-07	18°Ⅴ05'09"	14°Ⅴ14'57"	25°Ⅱ20'13"	13°Ⅱ14'08"	15°Ⅴ31'08"	00°Ⅲ33'19"	15°Ⅴ46'25"	01°Ⅰ02'21" R _x	25°Ⅰ09'19" R _x	24°Ⅴ06'59"	13°Ⅴ18'44"
1982-07-08	29°Ⅴ58'20"	15°Ⅴ12'08"	26°Ⅱ56'40"	14°Ⅱ25'36"	15°Ⅴ59'06"	00°Ⅲ35'00"	15°Ⅴ48'16"	01°Ⅰ00'47" R _x	25°Ⅰ07'49" R _x	24°Ⅴ07'05"	13°Ⅴ19'22"
1982-07-09	11°Ⅴ57'31"	16°Ⅴ09'19"	28°Ⅱ36'36"	15°Ⅱ37'06"	16°Ⅴ27'20"	00°Ⅲ36'51"	15°Ⅴ50'13"	00°Ⅰ59'16" R _x	25°Ⅰ06'19" R _x	24°Ⅴ07'12"	13°Ⅴ19'50"
1982-07-10	24°Ⅴ05'01"	17°Ⅴ06'30"	00°Ⅴ19'54"	16°Ⅱ48'39"	16°Ⅴ55'50"	00°Ⅲ38'52"	15°Ⅴ52'16"	00°Ⅰ57'47" R _x	25°Ⅰ04'51" R _x	24°Ⅴ07'21"	13°Ⅴ20'04"
1982-07-11	06°Ⅰ23'17"	18°Ⅴ03'42"	02°Ⅴ06'28"	18°Ⅱ00'16"	17°Ⅴ24'37"	00°Ⅲ41'04"	15°Ⅴ54'24"	00°Ⅰ56'21" R _x	25°Ⅰ03'23" R _x	24°Ⅴ07'33"	13°Ⅴ20'03" R _x
1982-07-12	18°Ⅰ54'58"	19°Ⅴ00'54"	03°Ⅴ56'08"	19°Ⅱ11'55"	17°Ⅴ53'39"	00°Ⅲ43'27"	15°Ⅴ56'37"	00°Ⅰ54'57" R _x	25°Ⅰ01'56" R _x	24°Ⅴ07'46"	13°Ⅴ19'53" R _x
1982-07-13	01°Ⅰ42'51"	19°Ⅴ58'06"	05°Ⅴ48'46"	20°Ⅱ23'37"	18°Ⅴ22'57"	00°Ⅲ45'59"	15°Ⅴ58'56"	00°Ⅰ53'36" R _x	25°Ⅰ00'30" R _x	24°Ⅴ08'01"	13°Ⅴ19'42" R _x
1982-07-14	14°Ⅰ49'35"	20°Ⅴ55'19"	07°Ⅴ44'09"	21°Ⅱ35'22"	18°Ⅴ52'29"	00°Ⅲ48'42"	16°Ⅴ01'21"	00°Ⅰ52'17" R _x	24°Ⅰ59'04" R _x	24°Ⅴ08'19"	13°Ⅴ19'38"
1982-07-15	28°Ⅰ17'31"	21°Ⅴ52'33"	09°Ⅴ42'04"	22°Ⅱ47'10"	19°Ⅴ22'17"	00°Ⅲ51'35"	16°Ⅴ03'51"	00°Ⅰ51'01" R _x	24°Ⅰ57'40" R _x	24°Ⅴ08'38"	13°Ⅴ19'48"
1982-07-16	12°Ⅰ08'04"	22°Ⅴ49'47"	11°Ⅴ42'16"	23°Ⅱ59'01"	19°Ⅴ52'20"	00°Ⅲ54'38"	16°Ⅴ06'27"	00°Ⅰ49'47" R _x	24°Ⅰ56'16" R _x	24°Ⅴ08'59"	13°Ⅴ20'13"
1982-07-17	26°Ⅰ21'19"	23°Ⅴ47'02"	13°Ⅴ44'29"	25°Ⅱ10'55"	20°Ⅴ22'38"	00°Ⅲ57'52"	16°Ⅴ09'09"	00°Ⅰ48'36" R _x	24°Ⅰ54'54" R _x	24°Ⅴ09'23"	13°Ⅴ20'50"
1982-07-18	10°Ⅱ55'30"	24°Ⅴ44'17"	15°Ⅴ48'25"	26°Ⅱ22'51"	20°Ⅴ53'10"	01°Ⅲ01'15"	16°Ⅴ11'56"	00°Ⅰ47'28" R _x	24°Ⅰ53'32" R _x	24°Ⅴ09'49"	13°Ⅴ21'27"
1982-07-19	25°Ⅱ46'31"	25°Ⅴ41'33"	17°Ⅴ53'46"	27°Ⅱ34'50"	21°Ⅴ23'57"	01°Ⅲ04'49"	16°Ⅴ14'48"	00°Ⅰ46'23" R _x	24°Ⅰ52'12" R _x	24°Ⅴ10'16"	13°Ⅴ21'52"
1982-07-20	10°Ⅴ48'07"	26°Ⅴ38'50"	20°Ⅴ00'12"	28°Ⅱ46'53"	21°Ⅴ54'58"	01°Ⅲ08'32"	16°Ⅴ17'46"	00°Ⅰ45'20" R _x	24°Ⅰ50'53" R _x	24°Ⅴ10'46"	13°Ⅴ21'48" R _x
1982-07-21	25°Ⅴ52'16"	27°Ⅴ36'08"	22°Ⅴ07'26"	29°Ⅱ58'57"	22°Ⅴ26'13"	01°Ⅲ12'26"	16°Ⅴ20'49"	00°Ⅰ44'20" R _x	24°Ⅰ49'35" R _x	24°Ⅴ11'18"	13°Ⅴ21'03" R _x
1982-07-22	10°Ⅰ50'13"	28°Ⅴ33'26"	24°Ⅴ15'07"	01°Ⅲ11'05"	22°Ⅴ57'42"	01°Ⅲ16'29"	16°Ⅴ23'57"	00°Ⅰ43'23" R _x	24°Ⅰ48'18" R _x	24°Ⅴ11'52"	13°Ⅴ19'32" R _x
1982-07-23	25°Ⅰ33'43"	29°Ⅴ30'44"	26°Ⅴ22'59"	02°Ⅲ23'14"	23°Ⅴ29'24"	01°Ⅲ20'42"	16°Ⅴ27'11"	00°Ⅰ42'29" R _x	24°Ⅰ47'02" R _x	24°Ⅴ12'28"	13°Ⅴ19'16" R _x
1982-07-24	09°Ⅱ56'09"	00°Ⅰ28'02"	28°Ⅴ30'44"	03°Ⅴ35'27"	24°Ⅴ01'19"	01°Ⅲ25'04"	16°Ⅴ30'30"	00°Ⅰ41'37" R _x	24°Ⅰ45'47" R _x	24°Ⅴ13'05"	13°Ⅴ14'31" R _x
1982-07-25	23°Ⅱ53'20"	01°Ⅰ25'21"	00°Ⅰ38'08"	04°Ⅴ47'41"	24°Ⅴ33'28"	01°Ⅲ29'36"	16°Ⅴ33'54"	00°Ⅰ40'48" R _x	24°Ⅰ44'33" R _x	24°Ⅴ13'45"	13°Ⅴ11'36" R _x
1982-07-26	07°Ⅴ23'41"	02°Ⅰ22'41"	02°Ⅰ44'57"	05°Ⅴ59'58"	25°Ⅴ05'49"	01°Ⅲ34'18"	16°Ⅴ37'23"	00°Ⅰ40'02" R _x	24°Ⅰ43'21" R _x	24°Ⅴ14'27"	13°Ⅴ08'58" R _x
1982-07-27	20°Ⅴ27'59"	03°Ⅰ20'01"	04°Ⅰ50'57"	07°Ⅴ12'18"	25°Ⅴ38'23"	01°Ⅲ39'08"	16°Ⅴ40'57"	00°Ⅰ39'20" R _x	24°Ⅰ42'10" R _x	24°Ⅴ15'11"	13°Ⅴ07'02" R _x
1982-07-28	03°Ⅲ08'51"	04°Ⅰ17'21"	06°Ⅰ56'00"	08°Ⅴ24'40"	26°Ⅴ11'09"	01°Ⅲ44'08"	16°Ⅴ44'36"	00°Ⅰ38'40" R _x	24°Ⅰ41'00" R _x	24°Ⅴ15'56"	13°Ⅴ06'07" R _x
1982-07-29	15°Ⅲ30'03"	05°Ⅰ14'41"	08°Ⅰ59'56"	09°Ⅴ37'05"	26°Ⅴ44'08"	01°Ⅲ49'18"	16°Ⅴ48'20"	00°Ⅰ38'03" R _x	24°Ⅰ39'52" R _x	24°Ⅴ16'44"	13°Ⅴ06'22"
1982-07-30	27°Ⅲ36'04"	06°Ⅰ12'03"	11°Ⅰ02'38"	10°Ⅴ49'32"	27°Ⅴ17'18"	01°Ⅲ54'36"	16°Ⅴ52'09"	00°Ⅰ37'29" R _x	24°Ⅰ38'45" R _x	24°Ⅴ17'34"	13°Ⅴ07'44"
1982-07-31	09°Ⅰ31'32"	07°Ⅰ09'24"	13°Ⅰ04'00"	12°Ⅴ02'02"	27°Ⅴ50'40"	02°Ⅲ00'04"	16°Ⅴ56'03"	00°Ⅰ36'58" R _x	24°Ⅰ37'39" R _x	24°Ⅴ18'25"	13°Ⅴ09'52"
1982-08-01	21°Ⅰ20'57"	08°Ⅰ06'47"	15°Ⅰ03'57"	13°Ⅴ14'34"	28°Ⅴ24'14"	02°Ⅲ05'40"	17°Ⅴ00'02"	00°Ⅰ36'30" R _x	24°Ⅰ36'35" R _x	24°Ⅴ19'19"	13°Ⅴ12'18"
1982-08-02	03°Ⅴ08'30"	09°Ⅰ04'10"	17°Ⅰ02'26"	14°Ⅴ27'09"	28°Ⅴ57'59"	02°Ⅲ11'25"	17°Ⅴ04'05"	00°Ⅰ36'05" R _x	24°Ⅰ35'32" R _x	24°Ⅴ20'15"	13°Ⅴ14'25"
1982-08-03	14°Ⅴ57'47"	10°Ⅰ01'33"	18°Ⅰ59'25"	15°Ⅴ39'46"	29°Ⅴ31'55"	02°Ⅲ17'19"	17°Ⅴ08'13"	00°Ⅰ35'43" R _x	24°Ⅰ34'31" R _x	24°Ⅴ21'12"	13°Ⅴ15'39"
1982-08-04	26°Ⅴ51'53"	10°Ⅰ58'58"	20°Ⅰ54'50"	16°Ⅴ52'27"	00°Ⅲ06'03"	02°Ⅲ23'22"	17°Ⅴ12'26"	00°Ⅰ35'24" R _x	24°Ⅰ33'31" R _x	24°Ⅴ22'11"	13°Ⅴ15'33" R _x
1982-08-05	08°Ⅴ53'18"	11°Ⅰ56'23"	22°Ⅰ48'42"	18°Ⅴ05'09"	00°Ⅲ40'21"	02°Ⅲ29'33"	17°Ⅴ16'43"	00°Ⅰ35'08" R _x	24°Ⅰ32'33" R _x	24°Ⅴ23'13"	13°Ⅴ13'52" R _x
1982-08-06	21°Ⅴ03'59"	12°Ⅰ53'49"	24°Ⅰ41'00"	19°Ⅴ17'55"	01°Ⅲ14'49"	02°Ⅲ35'52"	17°Ⅴ21'05"	00°Ⅰ34'55" R _x	24°Ⅰ31'36" R _x	24°Ⅴ24'16"	13°Ⅴ10'39" R _x
1982-08-07	03°Ⅰ25'22"	13°Ⅰ51'17"	26°Ⅰ31'43"	20°Ⅴ30'43"	01°Ⅲ49'29"	02°Ⅲ42'20"	17°Ⅴ25'32"	00°Ⅰ34'45" R _x	24°Ⅰ30'40" R _x	24°Ⅴ25'21"	13°Ⅴ06'14" R _x
1982-08-08	15°Ⅰ58'36"	14°Ⅰ48'45"	28°Ⅰ20'51"	21°Ⅴ43'34"	02°Ⅲ24'18"	02°Ⅲ48'56"	17°Ⅴ30'02"	00°Ⅰ34'38" R _x	24°Ⅰ29'47" R _x	24°Ⅴ26'28"	13°Ⅴ01'12" R _x
1982-08-09	28°Ⅰ44'33"	15°Ⅰ46'14"	00°Ⅱ08'25"	22°Ⅴ56'27"	02°Ⅲ59'18"	02°Ⅲ55'40"	17°Ⅴ34'37"	00°Ⅰ34'34" R _x	24°Ⅰ28'54" R _x	24°Ⅴ27'36"	12°Ⅴ56'11" R _x
1982-08-10	11°Ⅰ44'06"	16°Ⅰ43'45"	01°Ⅱ54'26"	24°Ⅴ09'24"	03°Ⅲ34'29"	03°Ⅲ02'32"	17°Ⅴ39'17"	00°Ⅰ34'33" R _x	24°Ⅰ28'04" R _x	24°Ⅴ28'46"	12°Ⅴ51'53" R _x
1982-08-11	24°Ⅰ58'07"	17°Ⅰ41'17"	03°Ⅱ38'54"	25°Ⅴ22'23"	04°Ⅲ09'49"	03°Ⅲ09'33"	17°Ⅴ44'01"	00°Ⅰ34'36" R _x	24°Ⅰ27'15" R _x	24°Ⅴ29'59"	12°Ⅴ48'48" R _x

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1982-08-12	08°♁27'30"	18°♁38'51"	05°♁21'50"	26°♁35'24"	04°♁45'20"	03°♁16'41"	17°♁48'49"	00°♁34'41"	24°♁26'27" R _x	24°♁31'13"	12°♁47'10" R _x	
1982-08-13	22°♁12'56"	19°♁36'26"	07°♁03'15"	27°♁48'29"	05°♁21'00"	03°♁23'57"	17°♁53'41"	00°♁34'50"	24°♁25'41" R _x	24°♁32'29"	12°♁46'55"	
1982-08-14	06°♁14'38"	20°♁34'02"	08°♁03'09"	29°♁01'37"	05°♁56'51"	03°♁31'22"	17°♁58'37"	00°♁35'01"	24°♁24'57" R _x	24°♁33'46"	12°♁47'41"	
1982-08-15	20°♁32'01"	21°♁31'40"	10°♁21'32"	00°♁14'47"	06°♁32'51"	03°♁38'53"	18°♁03'38"	00°♁35'16"	24°♁24'15" R _x	24°♁35'06"	12°♁48'46"	
1982-08-16	05°♁03'08"	22°♁29'20"	11°♁58'26"	01°♁28'00"	07°♁09'02"	03°♁46'33"	18°♁08'43"	00°♁35'34"	24°♁23'35" R _x	24°♁36'27"	12°♁49'26"	
1982-08-17	19°♁44'24"	23°♁27'01"	13°♁33'51"	02°♁41'15"	07°♁45'22"	03°♁54'20"	18°♁13'52"	00°♁35'55"	24°♁22'56" R _x	24°♁37'50"	12°♁48'57" R _x	
1982-08-18	04°♁30'28"	24°♁24'44"	15°♁07'47"	03°♁54'33"	08°♁21'51"	04°♁02'15"	18°♁19'04"	00°♁36'19"	24°♁22'19" R _x	24°♁39'15"	12°♁46'43" R _x	
1982-08-19	19°♁14'34"	25°♁22'28"	16°♁40'13"	05°♁07'54"	08°♁58'31"	04°♁10'17"	18°♁24'21"	00°♁36'47"	24°♁21'44" R _x	24°♁40'41"	12°♁42'32" R _x	
1982-08-20	03°♁49'22"	26°♁20'13"	18°♁11'10"	06°♁21'16"	09°♁35'19"	04°♁18'26"	18°♁29'41"	00°♁37'17"	24°♁21'10" R _x	24°♁42'09"	12°♁36'30" R _x	
1982-08-21	18°♁07'57"	27°♁17'59"	19°♁40'38"	07°♁34'42"	10°♁12'17"	04°♁26'42"	18°♁35'05"	00°♁37'51"	24°♁20'38" R _x	24°♁43'39"	12°♁29'08" R _x	
1982-08-22	02°♁04'57"	28°♁15'47"	21°♁08'35"	08°♁48'09"	10°♁49'24"	04°♁35'06"	18°♁40'33"	00°♁38'27"	24°♁20'08" R _x	24°♁45'10"	12°♁21'12" R _x	
1982-08-23	15°♁37'15"	29°♁13'36"	22°♁35'00"	10°♁01'39"	11°♁26'40"	04°♁43'36"	18°♁46'04"	00°♁39'07"	24°♁19'40" R _x	24°♁46'43"	12°♁13'38" R _x	
1982-08-24	28°♁44'10"	00°♁11'26"	23°♁59'54"	11°♁15'11"	12°♁04'05"	04°♁52'13"	18°♁51'39"	00°♁39'49"	24°♁19'14" R _x	24°♁48'18"	12°♁07'17" R _x	
1982-08-25	11°♁27'13"	01°♁09'18"	25°♁23'13"	12°♁28'45"	12°♁41'39"	05°♁00'57"	18°♁57'18"	00°♁40'35"	24°♁18'49" R _x	24°♁49'54"	12°♁02'51" R _x	
1982-08-26	23°♁49'37"	02°♁07'10"	26°♁44'57"	13°♁42'22"	13°♁19'21"	05°♁09'48"	19°♁03'00"	00°♁41'24"	24°♁18'27" R _x	24°♁51'32"	12°♁00'35" R _x	
1982-08-27	05°♁55'47"	03°♁05'04"	28°♁05'02"	14°♁56'00"	13°♁57'12"	05°♁18'46"	19°♁08'45"	00°♁42'16"	24°♁18'06" R _x	24°♁53'11"	12°♁00'24"	
1982-08-28	17°♁50'43"	04°♁03'00"	29°♁23'28"	16°♁09'41"	14°♁35'11"	05°♁27'50"	19°♁14'34"	00°♁43'11"	24°♁17'47" R _x	24°♁54'52"	12°♁01'43"	
1982-08-29	29°♁39'39"	05°♁00'56"	00°♁40'10"	17°♁23'25"	15°♁13'18"	05°♁37'00"	19°♁20'26"	00°♁44'10"	24°♁17'31" R _x	24°♁56'34"	12°♁03'40"	
1982-08-30	11°♁27'43"	05°♁58'54"	01°♁55'06"	18°♁37'10"	15°♁51'34"	05°♁46'17"	19°♁26'21"	00°♁45'11"	24°♁17'16" R _x	24°♁58'18"	12°♁05'13"	
1982-08-31	23°♁19'36"	06°♁56'53"	03°♁08'10"	19°♁50'58"	16°♁29'57"	05°♁55'40"	19°♁32'20"	00°♁46'15"	24°♁17'03" R _x	25°♁00'03"	12°♁05'20" R _x	
1982-09-01	05°♁19'22"	07°♁54'54"	04°♁19'20"	21°♁04'47"	17°♁08'29"	06°♁05'09"	19°♁38'21"	00°♁47'23"	24°♁16'52" R _x	25°♁01'50"	12°♁03'16" R _x	
1982-09-02	17°♁30'12"	08°♁52'56"	05°♁28'30"	22°♁18'39"	17°♁47'08"	06°♁14'44"	19°♁44'26"	00°♁48'33"	24°♁16'42" R _x	25°♁03'38"	11°♁58'37" R _x	
1982-09-03	29°♁54'20"	09°♁51'00"	06°♁35'34"	23°♁32'34"	18°♁25'55"	06°♁24'24"	19°♁50'33"	00°♁49'46"	24°♁16'35" R _x	25°♁05'27"	11°♁51'26" R _x	
1982-09-04	12°♁32'54"	10°♁49'05"	07°♁40'26"	24°♁46'30"	19°♁04'49"	06°♁34'11"	19°♁56'43"	00°♁51'02"	24°♁16'30" R _x	25°♁07'18"	11°♁42'17" R _x	
1982-09-05	25°♁26'03"	11°♁47'12"	08°♁42'59"	26°♁00'28"	19°♁43'51"	06°♁44'03"	20°♁02'57"	00°♁52'21"	24°♁16'26" R _x	25°♁09'10"	11°♁32'02" R _x	
1982-09-06	08°♁33'05"	12°♁45'21"	09°♁43'05"	27°♁14'29"	20°♁23'01"	06°♁54'01"	20°♁09'12"	00°♁53'43"	24°♁16'25" R _x	25°♁11'03"	11°♁21'46" R _x	
1982-09-07	21°♁52'46"	13°♁43'31"	10°♁40'35"	28°♁28'32"	21°♁02'18"	07°♁04'05"	20°♁15'31"	00°♁55'08"	24°♁16'25"	25°♁12'58"	11°♁12'33" R _x	
1982-09-08	05°♁23'43"	14°♁41'44"	11°♁35'19"	29°♁42'38"	21°♁41'42"	07°♁14'14"	20°♁21'52"	00°♁56'36"	24°♁16'27"	25°♁14'53"	11°♁05'14" R _x	
1982-09-09	19°♁04'41"	15°♁39'58"	12°♁27'07"	00°♁56'45"	22°♁21'14"	07°♁24'29"	20°♁28'16"	00°♁58'06"	24°♁16'32"	25°♁16'51"	11°♁00'14" R _x	
1982-09-10	02°♁54'43"	16°♁38'15"	13°♁15'46"	02°♁10'55"	23°♁00'54"	07°♁34'49"	20°♁34'43"	00°♁59'40"	24°♁16'38"	25°♁18'49"	10°♁57'30" R _x	
1982-09-11	16°♁53'14"	17°♁36'34"	14°♁01'04"	03°♁25'07"	23°♁40'40"	07°♁45'15"	20°♁41'12"	01°♁01'17"	24°♁16'46"	25°♁20'49"	10°♁56'30" R _x	
1982-09-12	00°♁59'41"	18°♁34'55"	14°♁42'46"	04°♁39'21"	24°♁20'34"	07°♁55'45"	20°♁47'44"	01°♁02'56"	24°♁16'57"	25°♁22'50"	10°♁56'20" R _x	
1982-09-13	15°♁13'13"	19°♁33'18"	15°♁20'36"	05°♁53'38"	25°♁00'36"	08°♁06'21"	20°♁54'18"	01°♁04'39"	24°♁17'09"	25°♁24'52"	10°♁55'03" R _x	
1982-09-14	29°♁32'12"	20°♁31'43"	15°♁54'17"	07°♁07'56"	25°♁40'45"	08°♁17'02"	21°♁00'55"	01°♁06'24"	24°♁17'23"	25°♁26'55"	10°♁54'53" R _x	
1982-09-15	13°♁53'53"	21°♁30'10"	16°♁23'32"	08°♁22'17"	26°♁21'00"	08°♁27'48"	21°♁07'34"	01°♁08'12"	24°♁17'40"	25°♁28'59"	10°♁49'59" R _x	
1982-09-16	28°♁14'14"	22°♁28'40"	16°♁48'00"	09°♁36'39"	27°♁01'23"	08°♁38'39"	21°♁14'15"	01°♁10'02"	24°♁17'58"	25°♁31'05"	10°♁43'17" R _x	
1982-09-17	12°♁28'10"	23°♁27'11"	17°♁07'21"	10°♁51'03"	27°♁41'53"	08°♁49'35"	21°♁20'58"	01°♁11'55"	24°♁18'18"	25°♁33'11"	10°♁33'59" R _x	
1982-09-18	26°♁30'16"	24°♁25'44"	17°♁21'14"	12°♁05'29"	28°♁22'30"	09°♁00'35"	21°♁27'43"	01°♁13'51"	24°♁18'40"	25°♁35'18"	10°♁22'42" R _x	
1982-09-19	10°♁15'38"	25°♁24'19"	17°♁29'17"	13°♁19'57"	29°♁03'14"	09°♁11'40"	21°♁34'30"	01°♁15'50"	24°♁19'04"	25°♁37'27"	10°♁10'24" R _x	
1982-09-20	23°♁40'40"	26°♁22'56"	17°♁31'09" R _x	14°♁34'27"	29°♁44'05"	09°♁22'49"	21°♁41'19"	01°♁17'52"	24°♁19'30"	25°♁39'36"	09°♁58'16" R _x	
1982-09-21	06°♁43'42"	27°♁21'35"	17°♁26'30" R _x	15°♁48'58"	00°♁25'03"	09°♁34'03"	21°♁48'10"	01°♁19'56"	24°♁19'58"	25°♁41'46"	09°♁47'30" R _x	
1982-09-22	19°♁25'03"	28°♁20'15"	17°♁15'01" R _x	17°♁03'30"	01°♁06'07"	09°♁45'22"	21°♁55'03"	01°♁22'02"	24°♁20'28"	25°♁43'57"	09°♁39'01" R _x	
1982-09-23	01°♁46'56"	29°♁18'58"	16°♁56'29" R _x	18°♁18'05"	01°♁47'17"	09°♁56'44"	22°♁01'58"	01°♁24'12"	24°♁21'00"	25°♁46'09"	09°♁33'19" R _x	
1982-09-24	13°♁52'59"	00°♁17'42"	16°♁30'44" R _x	19°♁32'40"	02°♁28'35"	10°♁08'11"	22°♁08'54"	01°♁26'24"	24°♁21'34"	25°♁48'22"	09°♁30'22" R _x	
1982-09-25	25°♁47'49"	01°♁16'28"	15°♁57'43" R _x	20°♁47'17"	03°♁09'58"	10°♁19'42"	22°♁15'52"	01°♁28'38"	24°♁22'10"	25°♁50'36"	09°♁29'37"	
1982-09-26	07°♁36'44"	02°♁15'15"	15°♁17'34" R _x	22°♁01'56"	03°♁15'28"	10°♁31'17"	22°♁22'52"	01°♁30'55"	24°♁22'48"	25°♁52'51"	09°♁30'05"	
1982-09-27	19°♁25'16"	03°♁14'04"	14°♁30'34" R _x	23°♁16'36"	04°♁33'04"	10°♁42'56"	22°♁29'53"	01°♁33'15"	24°♁23'28"	25°♁55'06"	09°♁30'33"	
1982-09-28	01°♁18'50"	04°♁12'55"	13°♁37'15" R _x	24°♁31'18"	05°♁14'46"	10°♁54'38"	22°♁36'56"	01°♁35'37"	24°♁24'10"	25°♁57'22"	09°♁29'49" R _x	
1982-09-29	13°♁22'27"	05°♁11'48"	12°♁38'23" R _x	25°♁46'00"	05°♁56'34"	11°♁06'25"	22°♁43'59"	01°♁38'01"	24°♁24'54"	25°♁59'39"	09°♁26'51" R _x	
1982-09-30	25°♁40'19"	06°♁10'43"	11°♁35'01" R _x	27°♁00'44"	06°♁38'28"	11°♁18'15"	22°♁51'04"	01°♁40'28"	24°♁25'39"	26°♁01'56"	09°♁21'08" R _x	
1982-10-01	08°♁15'31"	07°♁09'39"	10°♁28'25" R _x	28°♁15'30"	07°♁20'28"	11°♁30'08"	22°♁58'11"	01°♁42'57"	24°♁26'27"	26°♁04'14"	09°♁12'37" R _x	
1982-10-02	21°♁09'41"	08°♁08'37"	09°♁20'08" R _x	29°♁30'16"	08°♁02'33"	11°♁42'05"	23°♁05'18"	01°♁45'28"	24°♁27'16"	26°♁06'33"	09°♁04'47" R _x	
1982-10-03	04°♁22'52"	09°♁07'37"	08°♁11'51" R _x	00°♁45'04"	08°♁44'45"	11°♁54'05"	23°♁12'27"	01°♁48'01"	24°♁28'07"	26°♁08'52"	08°♁49'36" R _x	

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon	♂ Geo Lon
1982-10-04	17° \cap 53'27"	10° \cup 06'39"	07° \cup 05'24" _R	01° \cup 59'53"	09° \times 27'01"	12° \cap 06'09"	23° \cup 19'36"	01° \times 50'37"	24° \times 29'00"	26° \cup 11'12"	08° \cup 37'12" _R	
1982-10-05	01° \times 38'31"	11° \cup 05'43"	06° \cup 02'37" _R	03° \cup 14'44"	10° \times 09'24"	12° \cap 18'16"	23° \cup 26'47"	01° \times 53'15"	24° \times 29'55"	26° \cup 13'32"	08° \cup 25'49" _R	
1982-10-06	15° \times 34'19"	12° \cup 04'50"	05° \cup 05'15" _R	04° \cup 29'36"	10° \times 51'52"	12° \cap 30'26"	23° \cup 33'59"	01° \times 55'56"	24° \times 30'52"	26° \cup 15'53"	08° \cup 16'23" _R	
1982-10-07	29° \times 37'01"	13° \cup 03'58"	04° \cup 14'55" _R	05° \cup 44'29"	11° \times 34'26"	12° \cap 42'40"	23° \cup 41'11"	01° \times 58'38"	24° \times 31'50"	26° \cup 18'15"	08° \cup 09'29" _R	
1982-10-08	13° \cap 43'18"	14° \cup 03'09"	03° \cup 32'59" _R	06° \cup 59'24"	12° \times 17'05"	12° \cap 54'56"	23° \cup 48'25"	02° \times 01'23"	24° \times 32'51"	26° \cup 20'36"	08° \cup 05'10" _R	
1982-10-09	27° \cap 50'41"	15° \cup 02'23"	03° \cup 00'31" _R	08° \cup 14'20"	12° \times 59'50"	13° \cap 07'16"	23° \cup 55'39"	02° \times 04'10"	24° \times 33'53"	26° \cup 22'59"	08° \cup 02'56" _R	
1982-10-10	11° \cup 57'36"	16° \cup 01'38"	02° \cup 38'19" _R	09° \cup 29'17"	13° \times 42'41"	13° \cap 19'39"	24° \cup 02'54"	02° \times 06'59"	24° \times 34'57"	26° \cup 25'21"	08° \cup 01'55" _R	
1982-10-11	26° \cup 03'05"	17° \cup 00'56"	02° \cup 26'50" _R	10° \cup 44'16"	14° \times 25'37"	13° \cap 32'04"	24° \cup 10'09"	02° \times 09'50"	24° \times 36'03"	26° \cup 27'45"	08° \cup 00'56" _R	
1982-10-12	10° \cup 06'19"	18° \cup 00'17"	02° \cup 26'12"	11° \cup 59'16"	15° \times 08'39"	13° \cap 44'32"	24° \cup 17'25"	02° \times 12'43"	24° \times 37'11"	26° \cup 30'08"	07° \cup 58'51" _R	
1982-10-13	24° \cup 06'17"	18° \cup 59'40"	02° \cup 36'21"	13° \cup 14'16"	15° \times 51'46"	13° \cap 57'03"	24° \cup 24'42"	02° \times 15'38"	24° \times 38'21"	26° \cup 32'32"	07° \cup 54'43" _R	
1982-10-14	08° \cap 01'16"	19° \cup 59'04"	02° \cup 56'56"	14° \cup 29'18"	16° \times 34'58"	14° \cap 09'37"	24° \cup 31'59"	02° \times 18'35"	24° \times 39'32"	26° \cup 34'56"	07° \cup 48'01" _R	
1982-10-15	21° \cap 48'56"	20° \cup 58'31"	03° \cup 27'26"	15° \cup 44'22"	17° \times 18'16"	14° \cap 22'13"	24° \cup 39'16"	02° \times 21'33"	24° \times 40'45"	26° \cup 37'20"	07° \cup 38'43" _R	
1982-10-16	05° \cup 26'22"	21° \cup 58'01"	04° \cup 07'11"	16° \cup 59'26"	18° \times 01'39"	14° \cap 34'51"	24° \cup 46'34"	02° \times 24'34"	24° \times 41'59"	26° \cup 39'44"	07° \cup 27'20" _R	
1982-10-17	18° \cup 50'34"	22° \cup 57'32"	04° \cup 55'29"	18° \cup 14'31"	18° \times 45'07"	14° \cap 47'32"	24° \cup 53'52"	02° \times 27'36"	24° \times 43'16"	26° \cup 42'08"	07° \cup 14'47" _R	
1982-10-18	01° \cap 58'59"	23° \cup 57'06"	05° \cup 51'32"	19° \cup 29'36"	19° \times 28'41"	15° \cap 00'15"	25° \cup 01'10"	02° \times 30'41"	24° \times 44'34"	26° \cup 44'33"	07° \cup 02'14" _R	
1982-10-19	14° \cap 50'03"	24° \cup 56'41"	06° \cup 54'30"	20° \cup 44'43"	20° \times 12'20"	15° \cap 13'01"	25° \cup 08'28"	02° \times 33'47"	24° \times 45'54"	26° \cup 46'58"	06° \cup 50'53" _R	
1982-10-20	27° \cap 23'36"	25° \cup 56'19"	08° \cup 03'36"	21° \cup 59'51"	20° \times 56'04"	15° \cap 25'48"	25° \cup 15'46"	02° \times 36'54"	24° \times 47'15"	26° \cup 49'22"	06° \cup 41'44" _R	
1982-10-21	09° \times 40'50"	26° \cup 55'58"	09° \cup 18'04"	23° \cup 14'59"	21° \times 39'52"	15° \cap 38'38"	25° \cup 23'04"	02° \times 40'04"	24° \times 48'38"	26° \cup 51'47"	06° \cup 35'21" _R	
1982-10-22	21° \times 44'22"	27° \cup 55'39"	10° \cup 37'10"	24° \cup 30'08"	22° \times 23'46"	15° \cap 51'30"	25° \cup 30'22"	02° \times 43'15"	24° \times 50'03"	26° \cup 54'12"	06° \cup 31'51" _R	
1982-10-23	03° \times 37'55"	28° \cup 55'22"	12° \cup 00'13"	25° \cup 45'17"	23° \times 07'44"	16° \cap 04'23"	25° \cup 37'40"	02° \times 46'28"	24° \times 51'29"	26° \cup 56'37"	06° \cup 30'48" _R	
1982-10-24	15° \times 26'05"	29° \cup 55'07"	13° \cup 26'38"	27° \cup 00'28"	23° \times 51'47"	16° \cap 17'19"	25° \cup 44'58"	02° \times 49'42"	24° \times 52'57"	26° \cup 59'02"	06° \cup 31'22" _R	
1982-10-25	27° \times 14'02"	00° \cap 54'53"	14° \cup 55'51"	28° \cup 15'38"	24° \times 35'55"	16° \cap 30'16"	25° \cup 52'15"	02° \times 52'58"	24° \times 54'27"	27° \cup 01'27"	06° \cup 32'28" _R	
1982-10-26	09° \times 07'15"	01° \cap 54'41"	16° \cup 27'22"	29° \cup 30'49"	25° \times 20'07"	16° \cap 43'14"	25° \cup 59'32"	02° \times 56'15"	24° \times 55'58"	27° \cup 03'51"	06° \cup 32'55" _R	
1982-10-27	21° \times 11'10"	02° \cap 54'31"	18° \cup 00'47"	00° \cap 46'01"	26° \times 04'24"	16° \cap 56'14"	26° \cup 06'48"	02° \times 59'34"	24° \times 57'30"	27° \cup 06'16"	06° \cup 31'47" _R	
1982-10-28	03° \times 30'49"	03° \cap 54'22"	19° \cup 35'43"	02° \cap 01'13"	26° \times 48'44"	17° \cap 09'16"	26° \cup 14'04"	03° \times 02'54"	24° \times 59'04"	27° \cup 08'40"	06° \cup 28'26" _R	
1982-10-29	16° \times 10'24"	04° \cap 54'16"	21° \cup 11'50"	03° \cap 16'26"	27° \times 33'09"	17° \cap 22'19"	26° \cup 21'19"	03° \times 06'15"	25° \times 00'40"	27° \cup 11'04"	06° \cup 22'41" _R	
1982-10-30	29° \times 12'42"	05° \cap 54'10"	22° \cup 48'54"	04° \cap 31'39"	28° \times 17'39"	17° \cap 35'23"	26° \cup 28'33"	03° \times 09'38"	25° \times 02'17"	27° \cup 13'27"	06° \cup 14'53" _R	
1982-10-31	12° \times 38'44"	06° \cap 54'07"	24° \cup 26'38"	05° \cap 46'52"	29° \times 02'12"	17° \cap 48'28"	26° \cup 35'47"	03° \times 13'02"	25° \times 03'55"	27° \cup 15'51"	06° \cup 05'44" _R	
1982-11-01	26° \times 27'20"	07° \cap 54'05"	26° \cup 04'52"	07° \cap 02'06"	29° \times 46'49"	18° \cap 01'35"	26° \cup 43'00"	03° \times 16'27"	25° \times 05'35"	27° \cup 18'14"	05° \cup 56'12" _R	
1982-11-02	10° \times 35'09"	08° \cap 54'05"	27° \cup 43'27"	08° \cap 17'20"	00° \times 31'31"	18° \cap 14'43"	26° \cup 50'12"	03° \times 19'53"	25° \times 07'16"	27° \cup 20'36"	05° \cup 47'16" _R	
1982-11-03	24° \times 57'02"	09° \cap 54'07"	29° \cup 22'13"	09° \cap 32'35"	01° \times 16'17"	18° \cap 27'51"	26° \cup 57'23"	03° \times 23'21"	25° \times 08'58"	27° \cup 22'59"	05° \cup 39'48" _R	
1982-11-04	09° \cap 26'52"	10° \cap 54'12"	01° \cap 01'05"	10° \cap 47'51"	02° \times 01'06"	18° \cap 41'01"	27° \cup 04'34"	03° \times 26'49"	25° \times 10'42"	27° \cup 25'21"	05° \cup 34'20" _R	
1982-11-05	23° \cap 58'28"	11° \cap 54'18"	02° \cap 39'56"	12° \cap 03'07"	02° \times 46'00"	18° \cap 54'12"	27° \cup 11'43"	03° \times 30'19"	25° \times 12'27"	27° \cup 27'43"	05° \cup 31'00" _R	
1982-11-06	08° \cup 26'34"	12° \cap 54'26"	04° \cap 18'42"	13° \cap 18'23"	03° \times 30'57"	19° \cap 07'24"	27° \cup 18'51"	03° \times 33'50"	25° \times 14'14"	27° \cup 30'04"	05° \cup 29'29" _R	
1982-11-07	22° \cup 47'17"	13° \cap 54'36"	05° \cap 57'19"	14° \cap 33'41"	04° \times 15'59"	19° \cap 20'36"	27° \cup 25'58"	03° \times 37'22"	25° \times 16'02"	27° \cup 32'25"	05° \cup 29'07" _R	
1982-11-08	06° \cup 58'11"	14° \cap 54'49"	07° \cap 35'46"	15° \cap 48'58"	05° \times 01'04"	19° \cap 33'49"	27° \cup 33'04"	03° \times 40'55"	25° \times 17'51"	27° \cup 34'45"	05° \cup 29'03" _R	
1982-11-09	20° \cup 58'01"	15° \cap 55'03"	09° \cap 13'59"	17° \cap 04'17"	05° \times 46'13"	19° \cap 47'03"	27° \cup 40'08"	03° \times 44'28"	25° \times 19'41"	27° \cup 37'04"	05° \cup 28'23" _R	
1982-11-10	04° \cap 46'20"	16° \cap 55'19"	10° \cap 51'57"	18° \cap 19'35"	06° \times 31'26"	20° \cap 00'17"	27° \cup 47'11"	03° \times 48'03"	25° \times 21'33"	27° \cup 39'23"	05° \cup 26'20" _R	
1982-11-11	18° \cap 22'57"	17° \cap 55'38"	12° \cap 29'40"	19° \cap 34'54"	07° \times 16'43"	20° \cap 13'32"	27° \cup 54'13"	03° \times 51'38"	25° \times 23'25"	27° \cup 41'42"	05° \cup 22'29" _R	
1982-11-12	01° \cup 47'45"	18° \cap 55'58"	14° \cap 07'05"	20° \cap 50'14"	08° \times 02'04"	20° \cap 26'47"	28° \cup 01'13"	03° \times 55'14"	25° \times 25'19"	27° \cup 43'59"	05° \cup 16'45" _R	
1982-11-13	15° \cup 00'23"	19° \cap 56'20"	15° \cap 44'13"	22° \cap 05'34"	08° \times 47'28"	20° \cap 40'02"	28° \cup 08'11"	03° \times 58'51"	25° \times 27'14"	27° \cup 46'16"	05° \cup 09'29" _R	
1982-11-14	28° \cup 00'27"	20° \cap 56'44"	17° \cap 21'03"	23° \cap 20'54"	09° \times 32'56"	20° \cap 53'18"	28° \cup 15'08"	04° \times 02'28"	25° \times 29'10"	27° \cup 48'32"	05° \cup 01'19" _R	
1982-11-15	10° \cap 47'26"	21° \cap 57'10"	18° \cap 57'37"	24° \cap 36'15"	10° \times 18'27"	21° \cap 06'33"	28° \cup 22'03"	04° \times 06'06"	25° \times 31'07"	27° \cup 50'48"	04° \cup 53'08" _R	
1982-11-16	23° \cap 21'09"	22° \cap 57'38"	20° \cap 33'53"	25° \cap 51'36"	11° \times 04'02"	21° \cap 19'49"	28° \cup 28'56"	04° \times 09'45"	25° \times 33'05"	27° \cup 53'02"	04° \cup 45'49" _R	
1982-11-17	05° \times 41'51"	23° \cap 58'07"	22° \cap 09'53"	27° \cap 06'57"	11° \times 49'41"	21° \cap 33'05"	28° \cup 35'47"	04° \times 13'24"	25° \times 35'05"	27° \cup 55'16"	04° \cup 40'05" _R	
1982-11-18	17° \times 50'31"	24° \cap 58'38"	23° \cap 45'36"	28° \cap 22'19"	12° \times 35'23"	21° \cap 46'20"	28° \cup 42'36"	04° \times 17'04"	25° \times 37'05"	27° \cup 57'29"	04° \cup 36'25" _R	
1982-11-19	29° \times 49'01"	25° \cap 59'10"	25° \cap 21'04"	29° \cap 37'40"	13° \times 21'08"	21° \cap 59'36"	28° \cup 49'24"	04° \times 20'45"	25° \times 39'06"	27° \cup 59'42"	04° \cup 34'56" _R	
1982-11-20	11° \times 40'01"	26° \cap 59'44"	26° \cap 56'18"	00° \times 53'02"	14° \times 06'56"	22° \cap 12'51"	28° \cup 56'09"	04° \times 24'25"	25° \times 41'08"	28° \cup 01'53"	04° \cup 35'23" _R	
1982-11-21	23° \times 26'59"	28° \cap 00'19"	28° \cap 31'18"	02° \times 08'24"	14° \times 52'48"	22° $\cap</$						

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon
1982-11-26	24°✕01'32"	03°✕03'32"	06°✕23'21"	08°✕25'13"	18°✕42'48"	23°✕32'09"	29°✕35'51"	04°✕46'35"	25°✕53'39"	28°✕14'39"	04°✕42'09"	R
1982-11-27	07°✕02'00"	04°✕04'14"	07°✕57'16"	09°✕40'35"	19°✕28'56"	23°✕45'20"	29°✕42'19"	04°✕50'17"	25°✕55'47"	28°✕16'43"	04°✕39'29"	R
1982-11-28	20°✕28'45"	05°✕04'56"	09°✕31'05"	10°✕55'56"	20°✕15'07"	23°✕58'29"	29°✕48'45"	04°✕53'59"	25°✕57'55"	28°✕18'46"	04°✕35'52"	R
1982-11-29	04°✕22'17"	06°✕05'40"	11°✕04'47"	12°✕11'18"	21°✕01'20"	24°✕11'37"	29°✕55'07"	04°✕57'41"	26°✕00'04"	28°✕20'47"	04°✕31'49"	R
1982-11-30	18°✕40'37"	07°✕06'26"	12°✕38'23"	13°✕26'39"	21°✕47'35"	24°✕24'45"	00°✕01'27"	05°✕01'23"	26°✕02'14"	28°✕22'48"	04°✕27'55"	R
1982-12-01	03°✕19'08"	08°✕07'12"	14°✕11'55"	14°✕42'01"	22°✕33'53"	24°✕37'51"	00°✕07'45"	05°✕05'05"	26°✕04'24"	28°✕24'47"	04°✕24'40"	R
1982-12-02	18°✕11'03"	09°✕08'00"	15°✕45'22"	15°✕57'22"	23°✕20'13"	24°✕50'56"	00°✕13'59"	05°✕08'47"	26°✕06'35"	28°✕26'45"	04°✕22'21"	R
1982-12-03	03°✕08'15"	10°✕08'48"	17°✕18'46"	17°✕12'44"	24°✕06'36"	25°✕03'59"	00°✕20'10"	05°✕12'29"	26°✕08'47"	28°✕28'42"	04°✕21'06"	R
1982-12-04	18°✕02'34"	11°✕09'38"	18°✕52'07"	18°✕28'06"	24°✕53'01"	25°✕17'02"	00°✕26'19"	05°✕16'11"	26°✕10'59"	28°✕30'37"	04°✕20'45"	R
1982-12-05	02°✕46'50"	12°✕10'30"	20°✕25'25"	19°✕43'28"	25°✕39'28"	25°✕30'03"	00°✕32'24"	05°✕19'52"	26°✕13'12"	28°✕32'31"	04°✕21'00"	R
1982-12-06	17°✕15'43"	13°✕11'23"	21°✕58'40"	20°✕58'49"	26°✕25'57"	25°✕43'02"	00°✕38'26"	05°✕23'33"	26°✕15'25"	28°✕34'24"	04°✕21'26"	R
1982-12-07	01°✕26'00"	14°✕12'17"	23°✕31'53"	22°✕14'11"	27°✕12'28"	25°✕55'59"	00°✕44'25"	05°✕27'13"	26°✕17'38"	28°✕36'15"	04°✕21'39"	R
1982-12-08	15°✕16'21"	15°✕13'12"	25°✕05'04"	23°✕29'33"	27°✕59'01"	26°✕08'55"	00°✕50'20"	05°✕30'53"	26°✕19'52"	28°✕38'05"	04°✕21'19"	R
1982-12-09	28°✕47'00"	16°✕14'08"	26°✕38'11"	24°✕44'55"	28°✕45'37"	26°✕21'49"	00°✕56'12"	05°✕34'33"	26°✕22'06"	28°✕39'53"	04°✕20'17"	R
1982-12-10	11°✕59'08"	17°✕15'06"	28°✕11'15"	26°✕00'17"	29°✕32'14"	26°✕34'41"	01°✕02'00"	05°✕38'12"	26°✕24'21"	28°✕41'40"	04°✕18'32"	R
1982-12-11	24°✕54'28"	18°✕16'05"	29°✕44'14"	27°✕15'40"	00°✕18'54"	26°✕47'31"	01°✕07'45"	05°✕41'51"	26°✕26'36"	28°✕43'25"	04°✕16'17"	R
1982-12-12	07°✕34'57"	19°✕17'05"	01°✕17'08"	28°✕31'02"	01°✕05'36"	27°✕00'19"	01°✕13'26"	05°✕45'29"	26°✕28'51"	28°✕45'09"	04°✕13'48"	R
1982-12-13	20°✕02'25"	20°✕18'06"	02°✕49'53"	29°✕46'24"	01°✕52'19"	27°✕13'05"	01°✕19'04"	05°✕49'06"	26°✕31'06"	28°✕46'51"	04°✕11'28"	R
1982-12-14	02°✕18'39"	21°✕19'08"	04°✕22'28"	01°✕01'46"	02°✕39'04"	27°✕25'48"	01°✕24'38"	05°✕52'43"	26°✕33'22"	28°✕48'31"	04°✕09'36"	R
1982-12-15	14°✕25'16"	22°✕20'11"	05°✕54'51"	02°✕17'09"	03°✕25'52"	27°✕38'30"	01°✕30'08"	05°✕56'19"	26°✕35'38"	28°✕50'10"	04°✕08'26"	R
1982-12-16	26°✕23'56"	23°✕21'15"	07°✕26'56"	03°✕32'31"	04°✕12'40"	27°✕51'08"	01°✕35'34"	05°✕59'54"	26°✕37'54"	28°✕51'48"	04°✕08'05"	R
1982-12-17	08°✕16'27"	24°✕22'20"	08°✕58'41"	04°✕47'53"	04°✕59'31"	28°✕03'45"	01°✕40'56"	06°✕03'28"	26°✕40'10"	28°✕53'24"	04°✕08'30"	R
1982-12-18	20°✕04'55"	25°✕23'25"	10°✕30'00"	06°✕03'15"	05°✕46'23"	28°✕16'18"	01°✕46'14"	06°✕07'02"	26°✕42'26"	28°✕54'58"	04°✕09'33"	R
1982-12-19	01°✕51'47"	26°✕24'30"	12°✕00'47"	07°✕18'36"	06°✕33'16"	28°✕28'49"	01°✕51'28"	06°✕10'35"	26°✕44'42"	28°✕56'30"	04°✕10'58"	R
1982-12-20	13°✕39'58"	27°✕25'36"	13°✕30'54"	08°✕33'58"	07°✕20'11"	28°✕41'17"	01°✕56'37"	06°✕14'06"	26°✕46'59"	28°✕58'01"	04°✕12'31"	R
1982-12-21	25°✕32'51"	28°✕26'43"	15°✕00'13"	09°✕49'18"	08°✕07'07"	28°✕53'42"	02°✕01'43"	06°✕17'37"	26°✕49'15"	28°✕59'30"	04°✕13'58"	R
1982-12-22	07°✕34'21"	29°✕27'49"	16°✕28'32"	11°✕04'39"	08°✕54'04"	29°✕06'04"	02°✕06'44"	06°✕21'06"	26°✕51'31"	29°✕00'56"	04°✕15'09"	R
1982-12-23	19°✕48'41"	00°✕28'56"	17°✕55'41"	12°✕19'59"	09°✕41'02"	29°✕18'23"	02°✕11'40"	06°✕24'34"	26°✕53'47"	29°✕02'22"	04°✕16'01"	R
1982-12-24	02°✕20'16"	01°✕30'03"	19°✕21'24"	13°✕35'19"	10°✕28'01"	29°✕30'38"	02°✕16'33"	06°✕28'01"	26°✕56'03"	29°✕03'45"	04°✕16'35"	R
1982-12-25	15°✕13'18"	02°✕31'10"	20°✕45'25"	14°✕50'38"	11°✕15'01"	29°✕42'50"	02°✕21'20"	06°✕31'27"	26°✕58'19"	29°✕05'06"	04°✕16'56"	R
1982-12-26	28°✕31'18"	03°✕32'18"	22°✕07'25"	16°✕05'57"	12°✕02'02"	29°✕54'59"	02°✕26'03"	06°✕34'52"	27°✕00'34"	29°✕06'26"	04°✕17'08"	R
1982-12-27	12°✕16'31"	04°✕33'25"	23°✕27'00"	17°✕21'15"	12°✕49'04"	00°✕07'04"	02°✕30'42"	06°✕38'15"	27°✕02'50"	29°✕07'44"	04°✕17'17"	R
1982-12-28	26°✕29'14"	05°✕34'32"	24°✕43'46"	18°✕36'32"	13°✕36'06"	00°✕19'06"	02°✕35'15"	06°✕41'37"	27°✕05'05"	29°✕09'00"	04°✕17'23"	R
1982-12-29	11°✕07'11"	06°✕35'40"	25°✕57'11"	19°✕51'50"	14°✕23'10"	00°✕31'04"	02°✕39'45"	06°✕44'58"	27°✕07'20"	29°✕10'14"	04°✕17'24"	R
1982-12-30	26°✕05'12"	07°✕36'48"	27°✕06'43"	21°✕07'06"	15°✕10'13"	00°✕42'59"	02°✕44'09"	06°✕48'18"	27°✕09'34"	29°✕11'26"	04°✕17'15"	R
1982-12-31	11°✕15'35"	08°✕37'55"	28°✕11'43"	22°✕22'23"	15°✕57'18"	00°✕54'50"	02°✕48'29"	06°✕51'36"	27°✕11'49"	29°✕12'36"	04°✕16'49"	R
1983-01-01	26°✕28'55"	09°✕39'03"	29°✕11'29"	23°✕37'38"	16°✕44'23"	01°✕06'37"	02°✕52'43"	06°✕54'52"	27°✕14'03"	29°✕13'45"	04°✕16'01"	R
1983-01-02	11°✕35'25"	10°✕40'11"	00°✕05'14"	24°✕52'54"	17°✕31'28"	01°✕18'20"	02°✕56'53"	06°✕58'07"	27°✕16'16"	29°✕14'51"	04°✕14'51"	R
1983-01-03	26°✕26'26"	11°✕41'20"	00°✕52'08"	26°✕08'08"	18°✕18'34"	01°✕29'59"	03°✕00'58"	07°✕01'20"	27°✕18'29"	29°✕15'55"	04°✕13'23"	R
1983-01-04	10°✕55'33"	12°✕42'28"	01°✕31'18"	27°✕23'23"	19°✕05'40"	01°✕41'33"	03°✕04'57"	07°✕04'32"	27°✕20'42"	29°✕16'58"	04°✕11'46"	R
1983-01-05	24°✕59'05"	13°✕43'37"	02°✕01'49"	28°✕38'36"	19°✕52'47"	01°✕53'04"	03°✕08'52"	07°✕07'42"	27°✕22'54"	29°✕17'58"	04°✕10'13"	R
1983-01-06	08°✕36'07"	14°✕44'46"	02°✕22'47"	29°✕53'50"	20°✕39'54"	02°✕04'30"	03°✕12'41"	07°✕10'50"	27°✕25'06"	29°✕18'56"	04°✕09'01"	R
1983-01-07	21°✕47'54"	15°✕45'55"	02°✕33'23"	01°✕09'02"	21°✕27'01"	02°✕15'51"	03°✕16'25"	07°✕13'57"	27°✕27'17"	29°✕19'52"	04°✕08'23"	R
1983-01-08	04°✕37'11"	16°✕47'05"	02°✕32'53"	02°✕24'15"	22°✕14'09"	02°✕27'08"	03°✕20'03"	07°✕17'01"	27°✕29'27"	29°✕20'46"	04°✕08'25"	R
1983-01-09	17°✕07'29"	17°✕48'14"	02°✕20'47"	03°✕39'27"	23°✕01'17"	02°✕38'21"	03°✕23'36"	07°✕20'04"	27°✕31'37"	29°✕21'38"	04°✕09'09"	R
1983-01-10	29°✕22'39"	18°✕49'24"	01°✕56'49"	04°✕54'38"	23°✕48'25"	02°✕49'28"	03°✕27'04"	07°✕23'05"	27°✕33'46"	29°✕22'28"	04°✕10'25"	R
1983-01-11	11°✕26'21"	19°✕50'33"	01°✕21'09"	06°✕09'49"	24°✕35'34"	03°✕00'31"	03°✕30'27"	07°✕26'05"	27°✕35'55"	29°✕23'16"	04°✕11'56"	R
1983-01-12	23°✕21'58"	20°✕51'43"	00°✕34'18"	07°✕25'00"	25°✕22'43"	03°✕11'29"	03°✕33'44"	07°✕29'02"	27°✕38'03"	29°✕24'02"	04°✕13'19"	R
1983-01-13	05°✕12'27"	21°✕52'52"	29°✕37'19"	08°✕40'09"	26°✕09'51"	03°✕22'22"	03°✕36'55"	07°✕31'57"	27°✕40'10"	29°✕24'46"	04°✕14'11"	R
1983-01-14	17°✕00'24"	22°✕54'01"	28°✕31'42"	09°✕55'18"	26°✕57'00"	03°✕33'10"	03°✕40'01"	07°✕34'50"	27°✕42'16"	29°✕25'27"	04°✕14'13"	R
1983-01-15	28°✕48'01"	23°✕55'10"	27°✕19'24"	11°✕10'26"	27°✕44'09"	03°✕43'52"	03°✕43'01"	07°✕37'42"	27°✕44'22"	29°✕26'07"	04°✕13'14"	R
1983-01-16	10°✕37'22"	24°✕56'18"	26°✕02'39"	12°✕25'34"	28°✕31'17"	03°✕54'29"	03°✕45'55"	07°✕40'31"	27°✕46'27"	29°✕26'44"	04°✕11'14"	R
1983-01-17	22°✕30'22"	25°✕57'26"	24°✕43'56"	13°✕40'40"	29°✕18'25"	04°✕05'00"	03°✕48'43"	07°✕43'17"	27°✕48'31"	29°✕27'19"	04°✕08'27"	R

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1983-01-18	04°☿29'07"	26°♁58'33"	23°♁25'42" R _x	14°♁55'45"	00°♁05'33"	04°♁15'26"	03°♁51'26"	07°♁46'02"	27°♁50'34"	29°♁27'52"	04°♁05'13" R _x	
1983-01-19	16°♁35'58"	27°♁59'39"	22°♁10'17" R _x	16°♁10'50"	00°♁52'41"	04°♁25'46"	03°♁54'02"	07°♁48'44"	27°♁52'36"	29°♁28'22"	04°♁02'02" R _x	
1983-01-20	28°♁53'37"	29°♁00'45"	20°♁59'43" R _x	17°♁25'53"	01°♁39'48"	04°♁36'00"	03°♁56'33"	07°♁51'24"	27°♁54'37"	29°♁28'51"	03°♁59'21" R _x	
1983-01-21	11°♁25'09"	00°♁01'49"	19°♁55'41" R _x	18°♁40'55"	02°♁26'54"	04°♁46'08"	03°♁58'58"	07°♁54'02"	27°♁56'37"	29°♁29'17"	03°♁57'33" R _x	
1983-01-22	24°♁13'52"	01°♁02'53"	18°♁59'25" R _x	19°♁55'56"	03°♁14'00"	04°♁56'10"	04°♁01'16"	07°♁56'37"	27°♁58'36"	29°♁29'41"	03°♁56'49" R _x	
1983-01-23	07°♁23'02"	02°♁03'56"	18°♁11'46" R _x	21°♁10'56"	04°♁01'05"	05°♁06'06"	04°♁03'29"	07°♁59'10"	28°♁00'34"	29°♁30'03"	03°♁57'05"	
1983-01-24	20°♁55'32"	03°♁04'58"	17°♁33'10" R _x	22°♁25'54"	04°♁48'09"	05°♁15'56"	04°♁05'36"	08°♁01'41"	28°♁02'31"	29°♁30'23"	03°♁58'02"	
1983-01-25	04°♁15'14"	04°♁05'59"	17°♁03'46" R _x	23°♁40'51"	05°♁35'13"	05°♁25'39"	04°♁07'37"	08°♁04'09"	28°♁04'27"	29°♁30'41"	03°♁59'11"	
1983-01-26	19°♁16'19"	05°♁06'59"	16°♁43'27" R _x	24°♁55'47"	06°♁22'15"	05°♁35'17"	04°♁09'32"	08°♁06'35"	28°♁06'22"	29°♁30'56"	03°♁59'55"	
1983-01-27	04°♁02'29"	06°♁07'57"	16°♁31'56" R _x	26°♁10'41"	07°♁09'17"	05°♁44'47"	04°♁11'20"	08°♁08'58"	28°♁08'15"	29°♁31'10"	03°♁59'41" R _x	
1983-01-28	19°♁06'30"	07°♁08'55"	16°♁28'45"	27°♁25'34"	07°♁56'18"	05°♁54'12"	04°♁13'03"	08°♁11'19"	28°♁10'08"	29°♁31'21"	03°♁58'02" R _x	
1983-01-29	04°♁20'21"	08°♁09'52"	16°♁33'26"	28°♁40'25"	08°♁43'17"	06°♁03'29"	04°♁14'39"	08°♁13'37"	28°♁11'59"	29°♁31'30"	03°♁54'48" R _x	
1983-01-30	19°♁34'08"	09°♁10'48"	16°♁45'26"	29°♁55'15"	09°♁30'16"	06°♁12'40"	04°♁16'10"	08°♁15'53"	28°♁13'49"	29°♁31'37"	03°♁50'05" R _x	
1983-01-31	04°♁37'32"	10°♁11'43"	17°♁04'11"	01°♁10'04"	10°♁17'14"	06°♁21'44"	04°♁17'34"	08°♁18'06"	28°♁15'38"	29°♁31'41"	03°♁44'19" R _x	
1983-02-01	19°♁21'30"	11°♁12'37"	17°♁29'08"	02°♁24'50"	11°♁04'10"	06°♁30'41"	04°♁18'51"	08°♁20'16"	28°♁17'26"	29°♁31'44"	03°♁53'07" R _x	
1983-02-02	03°♁39'31"	12°♁13'30"	17°♁59'47"	03°♁39'36"	11°♁51'05"	06°♁39'31"	04°♁20'03"	08°♁22'24"	28°♁19'12"	29°♁31'44" R _x	03°♁32'15" R _x	
1983-02-03	17°♁28'23"	13°♁14'22"	18°♁35'36"	04°♁54'20"	12°♁38'00"	06°♁48'13"	04°♁21'08"	08°♁24'29"	28°♁20'57"	29°♁31'42" R _x	03°♁27'24" R _x	
1983-02-04	00°♁47'58"	14°♁15'13"	19°♁16'10"	06°♁09'02"	13°♁24'53"	06°♁56'49"	04°♁22'07"	08°♁26'31"	28°♁22'40"	29°♁31'38" R _x	03°♁24'07" R _x	
1983-02-05	13°♁40'37"	15°♁16'04"	20°♁01'03"	07°♁23'43"	14°♁11'45"	07°♁05'17"	04°♁23'00"	08°♁28'30"	28°♁24'23"	29°♁31'31" R _x	03°♁22'37" R _x	
1983-02-06	26°♁10'21"	16°♁16'54"	20°♁49'52"	08°♁38'22"	14°♁58'36"	07°♁13'37"	04°♁23'46"	08°♁30'27"	28°♁26'03"	29°♁31'23" R _x	03°♁22'45"	
1983-02-07	08°♁21'58"	17°♁17'43"	21°♁42'15"	09°♁53'00"	15°♁45'25"	07°♁21'50"	04°♁24'26"	08°♁32'21"	28°♁27'43"	29°♁31'13" R _x	03°♁24'01"	
1983-02-08	20°♁20'32"	18°♁18'31"	22°♁37'56"	11°♁07'37"	16°♁32'14"	07°♁29'55"	04°♁25'00"	08°♁34'12"	28°♁29'21"	29°♁31'00" R _x	03°♁25'39"	
1983-02-09	02°♁10'53"	19°♁19'18"	23°♁36'36"	12°♁22'12"	17°♁19'01"	07°♁37'53"	04°♁25'28"	08°♁36'00"	28°♁30'58"	29°♁30'45" R _x	03°♁26'46"	
1983-02-10	13°♁57'22"	20°♁20'04"	24°♁38'02"	13°♁36'45"	18°♁05'47"	07°♁45'42"	04°♁25'49"	08°♁37'45"	28°♁32'33"	29°♁30'28" R _x	03°♁26'29" R _x	
1983-02-11	25°♁43'46"	21°♁20'48"	25°♁41'59"	14°♁51'16"	18°♁52'32"	07°♁53'23"	04°♁26'03"	08°♁39'27"	28°♁34'06"	29°♁30'10" R _x	03°♁24'10" R _x	
1983-02-12	07°♁33'07"	22°♁21'32"	26°♁48'15"	16°♁05'45"	19°♁39'15"	08°♁00'57"	04°♁26'12"	08°♁41'07"	28°♁35'38"	29°♁29'48" R _x	03°♁19'30" R _x	
1983-02-13	19°♁27'45"	23°♁22'14"	27°♁56'42"	17°♁20'13"	20°♁25'57"	08°♁08'21"	04°♁26'14" R _x	08°♁42'43"	28°♁37'09"	29°♁29'25" R _x	03°♁12'35" R _x	
1983-02-14	01°♁29'21"	24°♁22'55"	29°♁07'08"	18°♁34'38"	21°♁12'37"	08°♁15'38"	04°♁26'09" R _x	08°♁44'16"	28°♁38'38"	29°♁29'00" R _x	03°♁03'56" R _x	
1983-02-15	13°♁39'11"	25°♁23'34"	00°♁19'27"	19°♁49'02"	21°♁59'15"	08°♁22'46"	04°♁25'58" R _x	08°♁45'46"	28°♁40'05"	29°♁28'33" R _x	02°♁54'23" R _x	
1983-02-16	25°♁58'17"	26°♁24'12"	01°♁33'30"	21°♁03'23"	22°♁45'52"	08°♁29'45"	04°♁25'41" R _x	08°♁47'14"	28°♁41'30"	29°♁28'03" R _x	02°♁44'55" R _x	
1983-02-17	08°♁27'40"	27°♁24'48"	02°♁49'12"	22°♁17'43"	23°♁32'26"	08°♁36'35"	04°♁25'18" R _x	08°♁48'38"	28°♁42'54"	29°♁27'32" R _x	02°♁36'29" R _x	
1983-02-18	21°♁08'36"	28°♁25'23"	04°♁06'27"	23°♁31'59"	24°♁19'00"	08°♁43'17"	04°♁24'48" R _x	08°♁49'59"	28°♁44'17"	29°♁26'58" R _x	02°♁29'50" R _x	
1983-02-19	04°♁02'42"	29°♁25'56"	05°♁25'10"	24°♁46'14"	25°♁05'31"	08°♁49'50"	04°♁24'12" R _x	08°♁51'17"	28°♁45'37"	29°♁26'23" R _x	02°♁25'21" R _x	
1983-02-20	17°♁11'53"	00°♁26'27"	06°♁45'16"	26°♁00'26"	25°♁52'00"	08°♁56'14"	04°♁23'30" R _x	08°♁52'32"	28°♁46'56"	29°♁25'46" R _x	02°♁22'57" R _x	
1983-02-21	00°♁38'15"	01°♁26'56"	08°♁06'43"	27°♁14'36"	26°♁38'28"	09°♁02'29"	04°♁22'42" R _x	08°♁53'43"	28°♁48'13"	29°♁25'06" R _x	02°♁22'09" R _x	
1983-02-22	14°♁23'47"	02°♁27'23"	09°♁29'28"	28°♁28'43"	27°♁24'53"	09°♁08'35"	04°♁21'47" R _x	08°♁54'52"	28°♁49'29"	29°♁24'25" R _x	02°♁22'05" R _x	
1983-02-23	28°♁29'42"	03°♁27'49"	10°♁53'26"	29°♁42'48"	28°♁11'16"	09°♁14'31"	04°♁20'47" R _x	08°♁55'58"	28°♁50'43"	29°♁23'42" R _x	02°♁21'44" R _x	
1983-02-24	12°♁55'46"	04°♁28'13"	12°♁18'37"	00°♁56'49"	28°♁57'38"	09°♁20'18"	04°♁19'40" R _x	08°♁57'00"	28°♁51'55"	29°♁22'57" R _x	02°♁20'08" R _x	
1983-02-25	27°♁39'29"	05°♁28'34"	13°♁44'58"	02°♁10'48"	29°♁43'57"	09°♁25'56"	04°♁18'28" R _x	08°♁58'00"	28°♁53'05"	29°♁22'10" R _x	02°♁16'29" R _x	
1983-02-26	12°♁35'43"	06°♁28'54"	15°♁12'28"	03°♁24'44"	00°♁30'13"	09°♁31'25"	04°♁17'09" R _x	08°♁58'56"	28°♁54'14"	29°♁21'22" R _x	02°♁10'26" R _x	
1983-02-27	27°♁36'48"	07°♁29'12"	16°♁41'05"	04°♁38'38"	01°♁16'28"	09°♁36'43"	04°♁15'44" R _x	08°♁59'48"	28°♁55'20"	29°♁20'31" R _x	02°♁02'04" R _x	
1983-02-28	12°♁33'31"	08°♁29'28"	18°♁10'48"	05°♁52'28"	02°♁02'40"	09°♁41'52"	04°♁14'14" R _x	09°♁00'38"	28°♁56'25"	29°♁19'39" R _x	01°♁51'57" R _x	
1983-02-29	27°♁16'36"	09°♁29'42"	19°♁41'37"	07°♁06'15"	02°♁48'50"	09°♁46'52"	04°♁12'37" R _x	09°♁01'25"	28°♁57'28"	29°♁18'45" R _x	01°♁40'59" R _x	
1983-03-02	11°♁38'12"	10°♁29'55"	21°♁13'32"	08°♁20'00"	03°♁34'58"	09°♁51'41"	04°♁10'55" R _x	09°♁02'08"	28°♁58'29"	29°♁17'49" R _x	01°♁30'15" R _x	
1983-03-03	25°♁33'12"	11°♁30'16"	22°♁46'31"	09°♁33'42"	04°♁21'04"	09°♁56'21"	04°♁09'07" R _x	09°♁02'48"	28°♁59'28"	29°♁16'51" R _x	01°♁20'51" R _x	
1983-03-04	08°♁59'32"	12°♁30'15"	24°♁20'36"	10°♁47'20"	05°♁07'07"	10°♁00'50"	04°♁07'13" R _x	09°♁03'25"	29°♁00'26"	29°♁15'52" R _x	01°♁13'35" R _x	
1983-03-05	21°♁58'09"	13°♁30'23"	25°♁55'45"	12°♁00'56"	05°♁53'09"	10°♁05'10"	04°♁05'14" R _x	09°♁03'58"	29°♁01'21"	29°♁14'51" R _x	01°♁08'51" R _x	
1983-03-06	04°♁32'11"	14°♁30'29"	27°♁31'59"	13°♁14'29"	06°♁39'08"	10°♁09'19"	04°♁03'09" R _x	09°♁04'29"	29°♁02'15"	29°♁13'48" R _x	01°♁06'32" R _x	
1983-03-07	16°♁46'15"	15°♁30'34"	29°♁09'19"	14°♁28'00"	07°♁25'05"	10°♁13'18"	04°♁00'58" R _x	09°♁04'56"	29°♁03'06"	29°♁12'44" R _x	01°♁06'03"	
1983-03-08	28°♁45'43"	16°♁30'37"	00°♁47'44"	15°♁41'27"	08°♁10'59"	10°♁17'07"	03°♁58'42" R _x	09°♁05'20"	29°♁03'56"	29°♁11'38" R _x	01°♁06'25"	
1983-03-09	10°♁36'08"	17°♁30'39"	02°♁27'16"	16°♁54'51"	08°♁56'52"	10°♁20'46"	03°♁56'20" R _x	09°♁05'41"	29°♁04'44"	29°♁10'31" R _x	01°♁06'26" R _x	
1983-03-10	22°♁22'49"	18°♁30'39"	04°♁07'55"	18°♁08'12"	09°♁42'42"	10°♁24'13"	03°♁53'54" R _x	09°♁05'58"	29°♁05'30"	29°♁09'22" R _x	01°♁04'57" R _x	
1983-03-11	04°♁10'37"	19°♁30'37"	05°♁49'41"	19°♁21'30"	10°♁28'30"	10°♁27'31"	03°♁51'21" R _x	09°♁06'13"	29°♁06'14"	29°♁08'11" R _x	01°♁01'03" R _x	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon
1983-03-12	16°≈03'35"	20°≈30'34"	07°≈32'35"	20°≈34'44"	11°≈14'15"	10°≈30'37"	03°≈48'44"R	09°≈06'24"	29°≈06'56"	29°≈06'59"R	00°≈54'16"R	
1983-03-13	28°≈04'53"	21°≈30'29"	09°≈16'38"	21°≈47'56"	11°≈59'58"	10°≈33'33"	03°≈46'01"R	09°≈06'32"	29°≈07'36"	29°≈05'46"R	00°≈44'40"R	
1983-03-14	10°≈16'41"	22°≈30'22"	11°≈01'51"	23°≈01'04"	12°≈45'38"	10°≈36'18"	03°≈43'13"R	09°≈06'36"	29°≈08'14"	29°≈04'31"R	00°≈32'48"R	
1983-03-15	22°≈40'13"	23°≈30'13"	12°≈48'14"	24°≈14'09"	13°≈31'16"	10°≈38'51"	03°≈40'21"R	09°≈06'37"R	29°≈08'50"	29°≈03'15"R	00°≈19'40"R	
1983-03-16	05°≈15'54"	24°≈30'02"	14°≈35'49"	25°≈27'10"	14°≈16'52"	10°≈41'14"	03°≈37'23"R	09°≈06'35"R	29°≈09'24"	29°≈01'57"R	00°≈06'30"R	
1983-03-17	18°≈03'32"	25°≈29'49"	16°≈24'35"	26°≈40'07"	15°≈02'25"	10°≈43'26"	03°≈34'20"R	09°≈06'30"R	29°≈09'56"	29°≈00'38"R	29°≈54'30"R	
1983-03-18	01°≈02'40"	26°≈29'33"	18°≈14'34"	27°≈53'01"	15°≈47'55"	10°≈45'27"	03°≈31'13"R	09°≈06'22"R	29°≈10'26"	28°≈59'18"R	29°≈44'39"R	
1983-03-19	14°≈12'54"	27°≈29'16"	20°≈05'45"	29°≈05'51"	16°≈33'23"	10°≈47'17"	03°≈28'02"R	09°≈06'10"R	29°≈10'54"	28°≈57'56"R	29°≈37'30"R	
1983-03-20	27°≈34'11"	28°≈28'57"	21°≈58'09"	00°≈18'38"	17°≈18'48"	10°≈48'56"	03°≈24'45"R	09°≈05'55"R	29°≈11'21"	28°≈56'33"R	29°≈33'03"R	
1983-03-21	11°≈06'53"	29°≈28'35"	23°≈51'45"	01°≈31'20"	18°≈04'10"	10°≈50'24"	03°≈21'25"R	09°≈05'38"R	29°≈11'45"	28°≈55'09"R	29°≈30'49"R	
1983-03-22	24°≈51'44"	00°≈28'11"	25°≈46'33"	02°≈43'58"	18°≈49'29"	10°≈51'40"	03°≈18'00"R	09°≈05'17"R	29°≈12'07"	28°≈53'44"R	29°≈29'51"R	
1983-03-23	08°≈49'27"	01°≈27'45"	27°≈42'30"	03°≈56'33"	19°≈34'46"	10°≈52'46"	03°≈14'32"R	09°≈04'53"R	29°≈12'27"	28°≈52'18"R	29°≈28'59"R	
1983-03-24	23°≈00'08"	02°≈27'17"	29°≈39'37"	05°≈09'02"	20°≈20'00"	10°≈53'40"	03°≈10'59"R	09°≈04'26"R	29°≈12'45"	28°≈50'51"R	29°≈27'02"R	
1983-03-25	07°≈22'45"	03°≈26'46"	01°≈37'49"	06°≈21'28"	21°≈05'11"	10°≈54'23"	03°≈07'22"R	09°≈03'55"R	29°≈13'01"	28°≈49'23"R	29°≈23'03"R	
1983-03-26	21°≈54'28"	04°≈26'13"	03°≈37'04"	07°≈33'49"	21°≈50'19"	10°≈54'55"	03°≈03'42"R	09°≈03'22"R	29°≈13'15"	28°≈47'54"R	29°≈16'31"R	
1983-03-27	06°≈30'32"	05°≈25'37"	05°≈37'17"	08°≈46'05"	22°≈35'24"	10°≈55'16"	02°≈59'57"R	09°≈02'46"R	29°≈13'27"	28°≈46'24"R	29°≈07'24"R	
1983-03-28	21°≈04'34"	06°≈25'00"	07°≈38'22"	09°≈58'17"	23°≈20'26"	10°≈55'25"	02°≈56'09"R	09°≈02'06"R	29°≈13'37"	28°≈44'52"R	28°≈56'15"R	
1983-03-29	05°≈29'27"	07°≈24'20"	09°≈40'13"	11°≈10'24"	24°≈05'25"	10°≈55'23"R	02°≈52'18"R	09°≈01'24"R	29°≈13'45"	28°≈43'20"R	28°≈43'58"R	
1983-03-30	19°≈38'25"	08°≈23'38"	11°≈42'41"	12°≈22'27"	24°≈50'21"	10°≈55'10"R	02°≈48'23"R	09°≈00'38"R	29°≈13'51"	28°≈41'47"R	28°≈31'47"R	
1983-03-31	03°≈26'14"	09°≈22'54"	13°≈45'35"	13°≈34'25"	25°≈35'15"	10°≈54'46"R	02°≈44'25"R	08°≈59'50"R	29°≈13'55"	28°≈40'14"R	28°≈20'50"R	
1983-04-01	16°≈49'55"	10°≈22'08"	15°≈48'44"	14°≈46'18"	26°≈20'05"	10°≈54'10"R	02°≈40'24"R	08°≈58'58"R	29°≈13'57"	28°≈38'39"R	28°≈12'07"R	
1983-04-02	29°≈49'01"	11°≈21'20"	17°≈51'54"	15°≈58'07"	27°≈04'53"	10°≈53'23"R	02°≈36'21"R	08°≈58'04"R	29°≈13'57"R	28°≈37'04"R	28°≈06'10"R	
1983-04-03	12°≈25'17"	12°≈20'31"	19°≈54'50"	17°≈09'51"	27°≈49'38"	10°≈52'26"R	02°≈32'14"R	08°≈57'07"R	29°≈13'55"R	28°≈35'28"R	28°≈03'00"R	
1983-04-04	24°≈42'12"	13°≈19'40"	21°≈57'14"	18°≈21'31"	28°≈34'21"	10°≈51'17"R	02°≈28'04"R	08°≈56'07"R	29°≈13'51"R	28°≈33'51"R	28°≈02'08"R	
1983-04-05	06°≈44'25"	14°≈18'47"	23°≈58'47"	19°≈33'05"	29°≈19'00"	10°≈49'56"R	02°≈23'52"R	08°≈55'04"R	29°≈13'45"R	28°≈32'14"R	28°≈02'37"R	
1983-04-06	18°≈37'13"	15°≈17'52"	25°≈59'09"	20°≈44'35"	00°≈03'37"	10°≈48'25"R	02°≈19'38"R	08°≈53'59"R	29°≈13'37"R	28°≈30'37"R	28°≈03'17"R	
1983-04-07	00°≈26'05"	16°≈16'56"	27°≈57'59"	21°≈55'59"	00°≈48'11"	10°≈46'42"R	02°≈15'21"R	08°≈52'50"R	29°≈13'27"R	28°≈28'58"R	28°≈02'58"R	
1983-04-08	12°≈16'22"	17°≈15'57"	29°≈54'53"	23°≈07'19"	01°≈32'42"	10°≈44'49"R	02°≈11'01"R	08°≈51'39"R	29°≈13'16"R	28°≈27'19"R	28°≈00'39"R	
1983-04-09	24°≈12'53"	18°≈14'57"	01°≈49'31"	24°≈18'34"	02°≈17'10"	10°≈42'44"R	02°≈06'40"R	08°≈50'25"R	29°≈13'02"R	28°≈25'40"R	27°≈55'46"R	
1983-04-10	06°≈19'45"	19°≈13'55"	03°≈41'30"	25°≈29'43"	03°≈01'35"	10°≈40'28"R	02°≈02'17"R	08°≈49'09"R	29°≈12'46"R	28°≈24'00"R	27°≈48'13"R	
1983-04-11	18°≈40'03"	20°≈12'52"	05°≈30'28"	26°≈40'48"	03°≈45'58"	10°≈38'01"R	01°≈57'52"R	08°≈47'49"R	29°≈12'28"R	28°≈22'20"R	27°≈38'28"R	
1983-04-12	01°≈15'43"	21°≈11'46"	07°≈16'06"	27°≈51'47"	04°≈30'17"	10°≈35'24"R	01°≈53'25"R	08°≈46'27"R	29°≈12'09"R	28°≈20'39"R	27°≈27'21"R	
1983-04-13	14°≈07'27"	22°≈10'38"	08°≈58'04"	29°≈02'40"	05°≈14'34"	10°≈32'35"R	01°≈48'57"R	08°≈45'03"R	29°≈11'47"R	28°≈18'59"R	27°≈15'59"R	
1983-04-14	27°≈14'45"	23°≈09'29"	10°≈36'04"	00°≈13'28"	05°≈58'48"	10°≈29'36"R	01°≈44'27"R	08°≈43'36"R	29°≈11'23"R	28°≈17'17"R	27°≈05'30"R	
1983-04-15	10°≈36'09"	24°≈08'17"	12°≈09'52"	01°≈24'11"	06°≈42'58"	10°≈26'27"R	01°≈39'56"R	08°≈42'06"R	29°≈10'58"R	28°≈15'36"R	26°≈56'51"R	
1983-04-16	24°≈09'34"	25°≈07'04"	13°≈39'13"	02°≈34'47"	07°≈27'06"	10°≈23'07"R	01°≈35'25"R	08°≈40'34"R	29°≈10'31"R	28°≈13'55"R	26°≈50'37"R	
1983-04-17	07°≈52'48"	26°≈05'48"	15°≈03'54"	03°≈45'18"	08°≈11'11"	10°≈19'36"R	01°≈30'52"R	08°≈38'59"R	29°≈10'02"R	28°≈12'13"R	26°≈46'55"R	
1983-04-18	21°≈43'55"	27°≈04'30"	16°≈23'44"	04°≈55'43"	08°≈55'13"	10°≈15'56"R	01°≈26'19"R	08°≈37'23"R	29°≈09'31"R	28°≈10'32"R	26°≈45'21"R	
1983-04-19	05°≈41'28"	28°≈03'10"	17°≈38'34"	06°≈06'01"	09°≈39'11"	10°≈12'05"R	01°≈21'45"R	08°≈35'44"R	29°≈08'58"R	28°≈08'50"R	26°≈45'11"R	
1983-04-20	19°≈44'23"	29°≈01'48"	18°≈48'14"	07°≈16'13"	10°≈23'07"	10°≈08'05"R	01°≈17'11"R	08°≈34'02"R	29°≈08'24"R	28°≈07'08"R	26°≈45'22"R	
1983-04-21	03°≈51'48"	00°≈00'24"	19°≈52'38"	08°≈26'19"	11°≈06'59"	10°≈03'55"R	01°≈12'36"R	08°≈32'19"R	29°≈07'48"R	28°≈05'27"R	26°≈44'52"R	
1983-04-22	18°≈02'31"	00°≈58'57"	20°≈51'39"	09°≈36'17"	11°≈50'48"	09°≈59'35"R	01°≈08'01"R	08°≈30'33"R	29°≈07'10"R	28°≈03'45"R	26°≈42'49"R	
1983-04-23	02°≈14'46"	01°≈57'28"	21°≈45'11"	10°≈46'09"	12°≈34'34"	09°≈55'05"R	01°≈03'27"R	08°≈28'45"R	29°≈06'30"R	28°≈02'04"R	26°≈38'41"R	
1983-04-24	16°≈25'52"	02°≈55'57"	22°≈33'09"	11°≈55'54"	13°≈18'17"	09°≈50'27"R	00°≈58'52"R	08°≈26'55"R	29°≈05'48"R	28°≈00'22"R	26°≈32'25"R	
1983-04-25	00°≈32'19"	03°≈54'24"	23°≈15'30"	13°≈05'31"	14°≈01'57"	09°≈45'39"R	00°≈54'18"R	08°≈25'02"R	29°≈05'04"R	27°≈58'41"R	26°≈24'21"R	
1983-04-26	14°≈30'01"	04°≈52'49"	23°≈52'11"	14°≈15'01"	14°≈45'33"	09°≈40'42"R	00°≈49'44"R	08°≈23'08"R	29°≈04'19"R	27°≈57'00"R	26°≈15'17"R	
1983-04-27	28°≈14'53"	05°≈51'11"	24°≈23'10"	15°≈24'24"	15°≈29'06"	09°≈35'36"R	00°≈45'10"R	08°≈21'12"R	29°≈03'32"R	27°≈55'20"R	26°≈06'09"R	
1983-04-28	11°≈43'24"	06°≈49'32"	24°≈48'25"	16°≈33'39"	16°≈12'37"	09°≈30'22"R	00°≈40'38"R	08°≈19'14"R	29°≈02'44"R	27°≈53'39"R	25°≈57'58"R	
1983-04-29	24°≈53'17"	07°≈47'51"	25°≈07'59"	17°≈42'46"	16°≈56'04"	09°≈24'59"R	00°≈36'06"R	08°≈17'14"R	29°≈01'54"R	27°≈51'59"R	25°≈51'36"R	
1983-04-30	07°≈43'44"	08°≈46'09"	25°≈21'53"	18°≈51'46"	17°≈39'28"	09°≈19'28"R	00°≈31'35"R	08°≈15'13"R	29°≈01'02"R	27°≈50'20"R	25°≈47'33"R	
1983-05-01	20°≈15'37"	09°≈44'25"	25°≈30'11"	20°≈00'38"	18°≈22'50"	09°≈13'50"R	00°≈27'05"R	08°≈13'09"R	29°≈00'09"R	27°≈48'41"R	25°≈45'55"R	
1983-05-02	02°≈31'11"	10°≈42'39"	25°≈33'01"	21°≈09'22"	19°≈06'08"	09°≈08'03"R	00°≈22'37"R	08°≈11'04"R	28°≈59'14"R	27°≈47'02"R	25°≈46'25"R	
1983-05-03	14°≈33'54"	11°≈40'52"	25°≈30'31"R	22°≈17'59"	19°≈49'24"	09°≈02'08"R	00°≈18'10"R	08°≈08'58"R	28°≈58'18"R	27°≈45'24"R	25°≈48'20"R	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon
1983-05-04	26°v828'04"	12°839'03"	25°822'54"R	23°II26'27"	20°832'36"	08°↗56'06"R	00°m13'44"R	08°↗06'49"R	28°↘57'20"R	27°↘43'46"R	25°II50'48"
1983-05-05	08°≈18'31"	13°837'12"	25°848'10'24"R	24°II34'46"	21°815'46"	08°↗49'57"R	00°m09'20"R	08°↗04'39"R	28°↗56'20"R	27°↘42'09"R	25°II52'53"
1983-05-06	20°≈10'21"	14°835'21"	24°853'21"R	25°II42'57"	21°858'52"	08°↗43'41"R	00°m04'58"R	08°↗02'28"R	28°↗55'19"R	27°↘40'33"R	25°II53'46"
1983-05-07	02°↗08'38"	15°833'27"	24°832'07"R	26°II51'00"	22°841'56"	08°↗37'18"R	00°m00'38"R	08°↗00'15"R	28°↗54'17"R	27°↘38'57"R	25°II52'56"R
1983-05-08	14°↗18'02"	16°831'33"	24°807'07"R	27°II58'54"	23°824'57"	08°↗30'48"R	29°↘56'20"R	07°↗58'01"R	28°↗53'13"R	27°↘37'22"R	25°II50'14"R
1983-05-09	26°↗42'32"	17°829'37"	23°838'50"R	29°II06'39"	24°807'54"	08°↗24'13"R	29°↘52'04"R	07°↗55'45"R	28°↗52'07"R	27°↘35'47"R	25°II45'53"R
1983-05-10	09°↗25'09"	18°827'39"	23°807'47"R	00°814'14"	24°850'49"	08°↗17'31"R	29°↘47'50"R	07°↗53'28"R	28°↗51'00"R	27°↘34'14"R	25°II40'23"R
1983-05-11	22°↗27'34"	19°825'40"	22°834'34"R	01°821'41"	25°833'41"	08°↗10'43"R	29°↘43'39"R	07°↗51'10"R	28°↗49'52"R	27°↘32'41"R	25°II34'29"R
1983-05-12	05°850'03"	20°823'40"	21°859'46"R	02°828'58"	26°816'30"	08°↗03'50"R	29°↘39'30"R	07°↗48'51"R	28°↗48'42"R	27°↘31'09"R	25°II28'56"R
1983-05-13	19°831'13"	21°821'38"	21°824'02"R	03°836'05"	26°859'16"	07°↗56'52"R	29°↘35'24"R	07°↗46'30"R	28°↗47'32"R	27°↘29'38"R	25°II24'24"R
1983-05-14	03°II28'16"	22°819'35"	20°847'59"R	04°843'02"	27°842'00"	07°↗49'49"R	29°↘31'21"R	07°↗44'09"R	28°↗46'19"R	27°↘28'08"R	25°II21'17"R
1983-05-15	17°II37'22"	23°817'30"	20°812'15"R	05°849'49"	28°824'40"	07°↗42'42"R	29°↘27'21"R	07°↗41'47"R	28°↗45'06"R	27°↘26'38"R	25°II19'42"R
1983-05-16	01°854'13"	24°815'23"	19°837'27"R	06°856'26"	29°807'17"	07°↗35'30"R	29°↘23'24"R	07°↗39'24"R	28°↗43'52"R	27°↘25'10"R	25°II19'28"
1983-05-17	16°843'33"	25°813'15"	19°804'11"R	08°802'51"	29°849'51"	07°↗28'15"R	29°↘19'31"R	07°↗37'00"R	28°↗42'36"R	27°↘23'43"R	25°II20'07"
1983-05-18	00°834'41"	26°811'06"	18°832'58"R	09°809'05"	00°832'22"	07°↗20'56"R	29°↘15'41"R	07°↗34'35"R	28°↗41'19"R	27°↘22'17"R	25°II21'03"
1983-05-19	14°851'32"	27°808'54"	18°804'20"R	10°815'08"	01°II14'50"	07°↗13'33"R	29°↘11'54"R	07°↗32'10"R	28°↗40'01"R	27°↘20'52"R	25°II21'39"
1983-05-20	29°802'41"	28°806'41"	17°838'41"R	11°820'58"	01°II57'15"	07°↗06'08"R	29°↘08'11"R	07°↗29'44"R	28°↗38'42"R	27°↘19'28"R	25°II21'24"R
1983-05-21	13°m06'12"	29°804'25"	17°816'25"R	12°826'36"	02°II39'37"	06°↗58'40"R	29°↘04'31"R	07°↗27'17"R	28°↗37'21"R	27°↘18'05"R	25°II20'00"R
1983-05-22	27°m00'30"	00°II02'09"	16°857'52"R	13°832'02"	03°II21'55"	06°↗51'09"R	29°↘00'55"R	07°↗24'50"R	28°↗36'00"R	27°↘16'44"R	25°II17'24"R
1983-05-23	10°↘44'07"	00°II59'50"	16°843'17"R	14°837'14"	04°II04'11"	06°↗43'37"R	28°↘57'23"R	07°↗22'22"R	28°↗34'37"R	27°↘15'23"R	25°II13'50"R
1983-05-24	24°↘15'47"	01°II57'30"	16°832'53"R	15°842'13"	04°II46'23"	06°↗36'02"R	28°↘53'55"R	07°↗19'54"R	28°↗33'14"R	27°↘14'04"R	25°II09'45"R
1983-05-25	07°m34'16"	02°II55'09"	16°826'49"R	16°846'58"	05°II28'33"	06°↗28'27"R	28°↘50'31"R	07°↗17'25"R	28°↗31'49"R	27°↘12'46"R	25°II05'40"R
1983-05-26	20°m38'37"	03°II52'46"	16°825'10"	17°851'30"	06°II10'39"	06°↗20'50"R	28°↘47'11"R	07°↗14'57"R	28°↗30'24"R	27°↘11'30"R	25°II02'09"R
1983-05-27	03°↗28'19"	04°II50'22"	16°828'01"	18°855'47"	06°II52'43"	06°↗13'13"R	28°↘43'56"R	07°↗12'28"R	28°↗28'58"R	27°↘10'14"R	24°II59'39"R
1983-05-28	16°↗03'26"	05°II47'57"	16°835'23"	19°859'49"	07°II34'44"	06°↗05'35"R	28°↘40'45"R	07°↗09'59"R	28°↗27'31"R	27°↘09'01"R	24°II58'25"R
1983-05-29	28°↗24'50"	06°II45'31"	16°847'15"	21°803'36"	08°II16'42"	05°↗57'57"R	28°↘37'38"R	07°↗07'30"R	28°↗26'03"R	27°↘07'48"R	24°II58'31"
1983-05-30	10°v34'11"	07°II43'04"	17°803'35"	22°807'08"	08°II58'37"	05°↗50'19"R	28°↘34'36"R	07°↗05'01"R	28°↗24'35"R	27°↘06'37"R	24°II59'45"
1983-05-31	22°v33'55"	08°II40'36"	17°824'20"	23°810'24"	09°II40'29"	05°↗42'41"R	28°↘31'38"R	07°↗02'32"R	28°↗23'06"R	27°↘05'27"R	25°II01'48"
1983-06-01	04°≈27'12"	09°II38'06"	17°849'25"	24°813'24"	10°II22'18"	05°↗35'04"R	28°↘28'45"R	07°↗00'03"R	28°↗21'35"R	27°↘04'19"R	25°II04'12"
1983-06-02	16°≈17'45"	10°II35'36"	18°818'45"	25°816'07"	11°II04'05"	05°↗27'28"R	28°↘25'57"R	06°↗57'34"R	28°↗20'05"R	27°↘03'13"R	25°II06'32"
1983-06-03	28°≈09'50"	11°II33'05"	18°852'15"	26°818'33"	11°II45'49"	05°↗19'54"R	28°↘23'13"R	06°↗55'05"R	28°↗18'33"R	27°↘02'07"R	25°II08'26"
1983-06-04	10°↗08'03"	12°II30'34"	19°829'48"	27°820'42"	12°II27'30"	05°↗12'21"R	28°↘20'35"R	06°↗52'37"R	28°↗17'01"R	27°↘01'04"R	25°II09'41"
1983-06-05	22°↗17'04"	13°II28'01"	20°811'20"	28°822'33"	13°II09'08"	05°↗04'50"R	28°↘18'01"R	06°↗50'09"R	28°↗15'28"R	27°↘00'01"R	25°II10'12"
1983-06-06	04°↗41'19"	14°II25'28"	20°856'44"	29°824'05"	13°II50'44"	04°↗57'21"R	28°↘15'32"R	06°↗47'41"R	28°↗13'55"R	26°↘59'01"R	25°II10'04"R
1983-06-07	17°↗24'43"	15°II22'54"	21°845'55"	00°825'19"	14°II32'17"	04°↗49'55"R	28°↘13'08"R	06°↗45'14"R	28°↗12'21"R	26°↘58'02"R	25°II09'29"R
1983-06-08	00°830'10"	16°II20'20"	22°838'47"	01°826'13"	15°II13'47"	04°↗42'32"R	28°↘10'50"R	06°↗42'47"R	28°↗10'47"R	26°↘57'04"R	25°II08'39"R
1983-06-09	13°859'17"	17°II17'45"	23°835'14"	02°826'47"	15°II55'15"	04°↗35'12"R	28°↘08'37"R	06°↗40'21"R	28°↗09'12"R	26°↘56'09"R	25°II07'48"R
1983-06-10	27°851'52"	18°II15'09"	24°835'13"	03°827'01"	16°II36'40"	04°↗27'55"R	28°↘06'29"R	06°↗37'55"R	28°↗07'37"R	26°↘55'15"R	25°II07'06"R
1983-06-11	12°II05'43"	19°II12'33"	25°838'39"	04°826'54"	17°II18'02"	04°↗20'43"R	28°↘04'26"R	06°↗35'31"R	28°↗06'02"R	26°↘54'23"R	25°II06'36"R
1983-06-12	26°II36'36"	20°II09'56"	26°845'27"	05°826'25"	17°II59'21"	04°↗13'35"R	28°↘02'29"R	06°↗33'07"R	28°↗04'26"R	26°↘53'32"R	25°II06'16"R
1983-06-13	11°818'37"	21°II07'18"	27°855'35"	06°825'33"	18°II40'38"	04°↗06'31"R	28°↘00'38"R	06°↗30'44"R	28°↗02'50"R	26°↘52'44"R	25°II06'01"R
1983-06-14	26°804'58"	22°II04'39"	29°808'58"	07°824'18"	19°II21'52"	03°↗59'32"R	27°↘58'52"R	06°↗28'22"R	28°↗01'14"R	26°↘51'57"R	25°II05'44"R
1983-06-15	10°848'47"	23°II02'00"	00°II25'35"	08°822'38"	20°II03'04"	03°↗52'38"R	27°↘57'11"R	06°↗26'01"R	27°↗59'37"R	26°↘51'12"R	25°II05'18"R
1983-06-16	25°824'01"	23°II59'19"	01°II45'23"	09°820'33"	20°II44'12"	03°↗45'50"R	27°↘55'36"R	06°↗23'40"R	27°↗58'01"R	26°↘50'28"R	25°II04'40"R
1983-06-17	09°m46'00"	24°II56'38"	03°II08'19"	10°818'02"	21°II25'17"	03°↗39'07"R	27°↘54'07"R	06°↗21'21"R	27°↗56'24"R	26°↘49'47"R	25°II03'51"R
1983-06-18	23°m51'43"	25°II53'55"	04°II34'21"	11°815'04"	22°II06'20"	03°↗32'30"R	27°↘52'43"R	06°↗19'03"R	27°↗54'46"R	26°↘49'07"R	25°II02'58"R
1983-06-19	07°↘39'43"	26°II51'12"	06°II03'29"	12°811'38"	22°II47'20"	03°↗25'59"R	27°↘51'25"R	06°↗16'46"R	27°↗53'09"R	26°↘48'29"R	25°II02'07"R
1983-06-20	21°↘09'49"	27°II48'28"	07°II35'41"	13°807'42"	23°II28'17"	03°↗19'34"R	27°↘50'13"R	06°↗14'31"R	27°↗51'32"R	26°↘47'53"R	25°II01'29"R
1983-06-21	04°m22'47"	28°II45'43"	09°II10'55"	14°803'17"	24°II09'11"	03°↗13'16"R	27°↘49'07"R	06°↗12'16"R	27°↗49'55"R	26°↘47'19"R	25°II01'08"R
1983-06-22	17°m19'52"	29°II42'58"	10°II49'09"	14°858'20"	24°II50'03"	03°↗07'05"R	27°↘48'06"R	06°↗10'03"R	27°↗48'18"R	26°↘46'46"R	25°II01'08"R
1983-06-23	00°↗02'35"	00°840'12"	12°II30'22"	15°852'51"	25°II30'52"	03°↗01'01"R	27°↘47'11"R	06°↗07'52"R	27°↗46'41"R	26°↘46'16"R	25°II01'25"R
1983-06-24	12°↗32'26"	01°837'25"	14°II14'31"	16°846'49"	26°II11'38"	02°↗55'04"R	27°↘46'22"R	06°↗05'42"R	27°↗45'04"R	26°↘45'48"R	25°II01'52"R
1983-06-25	24°↗51'00"	02°834'38"	16°II01'31"	17°840'13"	26°II52'22"	02°↗49'15"R	27°↘45'39"R	06°↗03'34"R	27°↗43'27"R	26°↘45'21"R	25°II02'17"R

Jan 01, 1980 00:00 AM CCT

Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1983-06-26	06°v59'54"	03°☉31'50"	17°II51'21"	18°q33'01"	27°II33'03"	02°↗43'34"R _x	27°↘45'02"R _x	06°↗01'27"R _x	27°↗41'51"R _x	26°↘44'57"R _x	25°II02'30"	
1983-06-27	19°v50'53"	04°☉29'03"	19°II43'53"	19°q25'12"	28°II13'41"	02°↗38'00"R _x	27°↘44'31"R _x	05°↗59'22"R _x	27°↗40'14"R _x	26°↘44'34"R _x	25°II02'22"R _x	
1983-06-28	00°≈55'57"	05°☉26'15"	21°II39'03"	20°q16'45"	28°II54'17"	02°↗32'35"R _x	27°↘44'05"R _x	05°↗57'18"R _x	27°↗38'38"R _x	26°↘44'13"R _x	25°II01'49"R _x	
1983-06-29	12°≈47'21"	06°☉23'27"	23°II36'41"	21°q07'39"	29°II34'51"	02°↗27'17"R _x	27°↘43'45"R _x	05°↗55'16"R _x	27°↗37'02"R _x	26°↘43'55"R _x	25°II00'54"R _x	
1983-06-30	24°≈37'45"	07°☉20'38"	25°II36'39"	21°q57'52"	00°☉15'22"	02°↗22'08"R _x	27°↘43'32"R _x	05°↗53'16"R _x	27°↗35'27"R _x	26°↘43'38"R _x	24°II59'49"R _x	
1983-07-01	06°≈30'15"	08°☉17'50"	27°II38'46"	22°q47'23"	00°☉55'50"	02°↗17'08"R _x	27°↘43'24"R _x	05°↗51'17"R _x	27°↗33'51"R _x	26°↘43'23"R _x	24°II58'47"R _x	
1983-07-02	18°≈28'29"	09°☉15'02"	29°II42'49"	23°q36'10"	01°☉36'16"	02°↗12'16"R _x	27°↘43'21"R _x	05°↗49'21"R _x	27°↗32'17"R _x	26°↘43'10"R _x	24°II58'05"R _x	
1983-07-03	00°↗36'28"	10°☉12'14"	01°☉48'34"	24°q24'12"	02°☉16'40"	02°↗07'34"R _x	27°↘43'25"R _x	05°↗47'26"R _x	27°↗30'42"R _x	26°↘42'59"R _x	24°II57'55"R _x	
1983-07-04	12°↗58'27"	11°☉09'26"	03°☉55'45"	25°q11'27"	02°☉57'01"	02°↗03'00"R _x	27°↘43'35"R _x	05°↗45'33"R _x	27°↗29'08"R _x	26°↘42'50"R _x	24°II58'24"R _x	
1983-07-05	25°↗38'37"	12°☉06'38"	06°☉04'07"	25°q57'54"	03°☉37'20"	01°↗58'36"R _x	27°↘43'51"R _x	05°↗43'42"R _x	27°↗27'34"R _x	26°↘42'43"R _x	24°II59'30"R _x	
1983-07-06	08°↘40'45"	13°☉03'51"	08°☉13'21"	26°q43'31"	04°☉17'37"	01°↗54'21"R _x	27°↘44'12"R _x	05°↗41'54"R _x	27°↗26'01"R _x	26°↘42'39"R _x	25°II01'00"R _x	
1983-07-07	22°↘07'44"	14°☉01'04"	10°☉23'11"	27°q28'16"	04°☉57'51"	01°↗50'16"R _x	27°↘44'40"R _x	05°↗40'07"R _x	27°↗24'29"R _x	26°↘42'36"R _x	25°II02'35"R _x	
1983-07-08	06°II01'04"	14°☉58'17"	12°☉33'18"	28°q12'07"	05°☉38'03"	01°↗46'20"R _x	27°↘45'14"R _x	05°↗38'23"R _x	27°↗22'57"R _x	26°↘42'35"R _x	25°II03'49"R _x	
1983-07-09	20°II20'07"	15°☉55'30"	14°☉43'26"	28°q55'02"	06°☉18'13"	01°↗42'35"R _x	27°↘45'53"R _x	05°↗36'40"R _x	27°↗21'26"R _x	26°↘42'37"R _x	25°II04'17"R _x	
1983-07-10	05°☉01'40"	16°☉52'44"	16°☉53'19"	29°q37'00"	06°☉58'21"	01°↗38'59"R _x	27°↘46'39"R _x	05°↗35'01"R _x	27°↗19'56"R _x	26°↘42'40"R _x	25°II03'41"R _x	
1983-07-11	19°☉59'48"	17°☉49'58"	19°☉02'41"	00°↗17'56"	07°☉38'26"	01°↗35'34"R _x	27°↘47'30"R _x	05°↗33'23"R _x	27°↗18'26"R _x	26°↘42'46"R _x	25°II01'52"R _x	
1983-07-12	05°q06'20"	18°☉47'12"	21°☉11'18"	00°↗57'50"	08°☉18'28"	01°↗32'18"R _x	27°↘48'28"R _x	05°↗31'47"R _x	27°↗16'57"R _x	26°↘42'53"R _x	24°II58'56"R _x	
1983-07-13	20°q11'56"	19°☉44'27"	23°☉18'58"	01°↗36'38"	08°☉58'28"	01°↗29'13"R _x	27°↘49'31"R _x	05°↗30'14"R _x	27°↗15'29"R _x	26°↘43'03"R _x	24°II55'10"R _x	
1983-07-14	05°↗07'30"	20°☉41'41"	25°☉25'31"	02°↗14'18"	09°☉38'26"	01°↗26'19"R _x	27°↘50'40"R _x	05°↗28'44"R _x	27°↗14'01"R _x	26°↘43'15"R _x	24°II51'03"R _x	
1983-07-15	19°↗45'34"	21°☉38'55"	27°☉30'48"	02°↗50'47"	10°☉18'21"	01°↗23'35"R _x	27°↘51'55"R _x	05°↗27'15"R _x	27°↗12'35"R _x	26°↘43'28"R _x	24°II47'10"R _x	
1983-07-16	04°↘01'10"	22°☉36'09"	29°☉34'40"	03°↗26'02"	10°☉58'13"	01°↗21'01"R _x	27°↘53'16"R _x	05°↗25'49"R _x	27°↗11'09"R _x	26°↘43'44"R _x	24°II44'03"R _x	
1983-07-17	17°↘52'03"	23°☉33'24"	01°q37'02"	04°↗00'00"	11°☉38'03"	01°↗18'39"R _x	27°↘54'43"R _x	05°↗24'26"R _x	27°↗09'44"R _x	26°↘44'02"R _x	24°II42'07"R _x	
1983-07-18	01°↗18'24"	24°☉30'38"	03°q37'49"	04°↗32'38"	12°☉17'51"	01°↗16'27"R _x	27°↘56'15"R _x	05°↗23'05"R _x	27°↗08'20"R _x	26°↘44'21"R _x	24°II41'32"R _x	
1983-07-19	14°↗22'11"	25°☉27'53"	05°q36'58"	05°↗03'52"	12°☉57'36"	01°↗14'25"R _x	27°↘57'54"R _x	05°↗21'47"R _x	27°↗06'57"R _x	26°↘44'43"R _x	24°II42'13"R _x	
1983-07-20	27°↗06'23"	26°☉25'07"	07°q34'25"	05°↗33'41"	13°☉37'19"	01°↗12'35"R _x	27°↘59'38"R _x	05°↗20'31"R _x	27°↗05'35"R _x	26°↘45'07"R _x	24°II43'46"R _x	
1983-07-21	09°↗34'25"	27°☉22'22"	09°q30'08"	06°↗02'00"	14°☉17'00"	01°↗10'55"R _x	28°↘01'27"R _x	05°↗19'18"R _x	27°↗04'14"R _x	26°↘45'33"R _x	24°II45'35"R _x	
1983-07-22	21°↗49'39"	28°☉19'37"	11°q24'07"	06°↗28'46"	14°☉56'38"	01°↗09'27"R _x	28°↘03'23"R _x	05°↗18'08"R _x	27°↗02'54"R _x	26°↘46'01"R _x	24°II46'57"R _x	
1983-07-23	03°v55'11"	29°☉16'53"	13°q16'20"	06°↗53'55"	15°☉36'15"	01°↗08'09"R _x	28°↘05'24"R _x	05°↗17'00"R _x	27°↗01'36"R _x	26°↘46'31"R _x	24°II47'11"R _x	
1983-07-24	15°v53'46"	00°q14'09"	15°q06'47"	07°↗17'25"	16°☉15'48"	01°↗07'02"R _x	28°↘07'31"R _x	05°↗15'55"R _x	27°↗00'18"R _x	26°↘47'03"R _x	24°II45'47"R _x	
1983-07-25	27°v547'46"	01°q11'26"	16°q55'28"	07°↗39'11"	16°☉55'20"	01°↗06'06"R _x	28°↘09'43"R _x	05°↗14'53"R _x	26°↗59'02"R _x	26°↘47'38"R _x	24°II42'30"R _x	
1983-07-26	09°≈39'14"	02°q08'43"	18°q42'24"	07°↗59'11"	17°☉34'49"	01°↗05'21"R _x	28°↘12'01"R _x	05°↗13'54"R _x	26°↗57'47"R _x	26°↘48'14"R _x	24°II37'27"R _x	
1983-07-27	21°≈30'03"	03°q06'01"	20°q27'34"	08°↗17'20"	18°☉14'16"	01°↗04'47"R _x	28°↘14'24"R _x	05°↗12'57"R _x	26°↗56'32"R _x	26°↘48'52"R _x	24°II31'04"R _x	
1983-07-28	03°≈22'02"	04°q03'19"	22°q10'59"	08°↗33'36"	18°☉53'41"	01°↗04'24"R _x	28°↘16'53"R _x	05°↗12'03"R _x	26°↗55'20"R _x	26°↘49'32"R _x	24°II24'04"R _x	
1983-07-29	15°≈17'15"	05°q00'38"	23°q52'40"	08°↗47'54"	19°☉33'04"	01°↗04'12"R _x	28°↘19'27"R _x	05°↗11'12"R _x	26°↗54'08"R _x	26°↘50'14"R _x	24°II17'15"R _x	
1983-07-30	27°≈18'08"	05°q57'59"	25°q32'36"	09°↗00'12"	20°☉12'25"	01°↗04'10"	28°↘22'06"R _x	05°↗10'23"R _x	26°↗52'57"R _x	26°↘50'58"R _x	24°II11'27"R _x	
1983-07-31	09°↗27'39"	06°q55'20"	27°q10'49"	09°↗10'26"	20°☉51'44"	01°↗04'20"	28°↘24'51"R _x	05°↗09'38"R _x	26°↗51'48"R _x	26°↘51'43"R _x	24°II07'14"R _x	
1983-08-01	21°↗49'10"	07°q52'42"	28°q47'18"	09°↗18'33"	21°☉31'00"	01°↗04'40"	28°↘27'41"R _x	05°↗08'55"R _x	26°↗50'40"R _x	26°↘52'31"R _x	24°II04'55"R _x	
1983-08-02	04°↘26'27"	08°q50'05"	00°↗22'04"	09°↗24'30"	22°☉10'15"	01°↗05'12"	28°↘30'37"R _x	05°↗08'15"R _x	26°↗49'34"R _x	26°↘53'21"R _x	24°II04'24"R _x	
1983-08-03	17°↘23'20"	09°q47'30"	01°↗55'06"	09°↗28'15"	22°☉49'27"	01°↗05'54"	28°↘33'38"R _x	05°↗07'38"R _x	26°↗48'29"R _x	26°↘54'13"R _x	24°II05'12"R _x	
1983-08-04	00°II43'24"	10°q44'56"	03°↗26'25"	09°↗29'45"	23°☉28'38"	01°↗06'48"	28°↘36'44"R _x	05°↗07'05"R _x	26°↗47'25"R _x	26°↘55'07"R _x	24°II06'35"R _x	
1983-08-05	14°II29'23"	11°q42'23"	04°↗55'59"	09°↗28'57"R _x	24°☉07'47"	01°↗07'52"	28°↘39'55"R _x	05°↗06'34"R _x	26°↗46'23"R _x	26°↘56'03"R _x	24°II07'37"R _x	
1983-08-06	28°II42'24"	12°q39'51"	06°↗23'48"	09°↗25'50"R _x	24°☉46'54"	01°↗09'07"	28°↘43'12"R _x	05°↗06'06"R _x	26°↗45'23"R _x	26°↘57'01"R _x	24°II07'27"R _x	
1983-08-07	13°☉21'05"	13°q37'20"	07°↗49'50"	09°↗20'23"R _x	25°☉25'58"	01°↗10'34"	28°↘46'34"R _x	05°↗05'41"R _x	26°↗44'24"R _x	26°↘58'00"R _x	24°II05'25"R _x	
1983-08-08	28°☉20'55"	14°q34'51"	09°↗14'05"	09°↗12'34"R _x	26°☉05'01"	01°↗12'11"	28°↘50'01"R _x	05°↗05'20"R _x	26°↗43'26"R _x	26°↘59'02"R _x	24°II01'12"R _x	
1983-08-09	13°q34'12"	15°q32'22"	10°↗36'31"	09°↗02'22"R _x	26°☉44'02"	01°↗13'59"	28°↘53'33"R _x	05°↗05'01"R _x	26°↗42'30"R _x	27°↘00'06"R _x	23°II54'54"R _x	
1983-08-10	28°q50'51"	16°q29'55"	11°↗57'05"	08°↗49'49"R _x	27°☉23'00"	01°↗15'58"	28°↘57'10"R _x	05°↗04'45"R _x	26°↗41'35"R _x	27°↘01'11"R _x	23°II47'03"R _x	
1983-08-11	14°↗00'00"	17°q27'29"	13°↗15'45"	08°↗34'54"R _x	28°☉01'57"	01°↗18'07"	29°↘00'52"R _x	05°↗04'32"R _x	26°↗40'42"R _x	27°↘02'18"R _x	23°II38'29"R _x	
1983-08-12	28°↗51'49"	18°q25'03"	14°↗32'28"	08°↗17'39"R _x	28°☉40'51"	01°↗20'27"	29°↘04'38"R _x	05°↗04'23"R _x	26°↗39'51"R _x	27°↘03'27"R _x	23°II30'10"R _x	
1983-08-13	13°↘19'03"	19°q22'39"	15°↗47'10"	07°↗58'07"R _x	29°☉19'43"	01°↗22'58"	29°↘08'30"R _x	05°↗04'16"R _x	26°↗39'01"R _x	27°↘04'38"R _x	23°II23'02"R _x	
1983-08-14	27°↘17'53"	20°q20'15"	16°↗59'49"	07°↗36'21"R _x	29°☉58'32"	01°↗25'39"	29°↘12'26"R _x	05°↗04'12"R _x	26°↗38'13"R _x	27°↘05'51"R _x	23°II17'49"R _x	
1983-08-15	10°↗47'47"	21°q17'53"	18°↗10'19"	07°↗12'26"R _x	00°q37'20"	01°↗28'31"	29°↘16'28"R _x	05°↗04'12"R _x	26°↗37'26"R _x	27°↘07'05"R _x	23°II14'48"R _x	
1983-08-16	23°↗50'53"	22°q15'31"	19°↗18'35"	06°↗46'27"R _x	01°q16'06"	01°↗31'34"	29°↘20'33"R _x	05°↗04'15"R _x	26°↗36'41"R _x	27°↘08'22"R _x	23°II13'52"R _x	
1983-08-17	06°↗30'55"	23°q13'10"	20°↗24'33"	06°↗18'32"R _x	01°q54'49"	01°↗34'47"	29°↘24'44"R _x	05°↗04'21"R _x	26°↗35'58"R _x	27°↘09'40"R _x	23°II14'24"R _x	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon
1983-08-18	18° 52'26"	24° 10'51"	21° 28'06"	05° 48'48" R	02° 33'31"	01° 38'10"	29° 28'59"	05° 04'29"	26° 35'17" R	27° 11'00"	23° 15'29"
1983-08-19	01° 50'07"	25° 10'32"	22° 29'08"	05° 17'25" R	03° 12'10"	01° 41'44"	29° 33'19"	05° 04'42"	26° 34'37" R	27° 12'21"	23° 15'59" R
1983-08-20	12° 58'20"	26° 06'15"	23° 27'31"	04° 44'32" R	03° 50'48"	01° 45'27"	29° 37'43"	05° 04'57"	26° 33'59" R	27° 13'45"	23° 14'51" R
1983-08-21	24° 50'59"	27° 03'59"	24° 23'07"	04° 10'22" R	04° 29'23"	01° 49'21"	29° 42'12"	05° 05'15"	26° 33'23" R	27° 15'10"	23° 11'18" R
1983-08-22	06° 41'20"	28° 01'44"	25° 15'46"	03° 35'06" R	05° 07'56"	01° 53'25"	29° 46'45"	05° 05'36"	26° 32'49" R	27° 16'37"	23° 10'45" R
1983-08-23	18° 31'57"	28° 59'30"	26° 05'19"	02° 58'58" R	05° 46'28"	01° 57'38"	29° 51'22"	05° 06'01"	26° 32'16" R	27° 18'05"	22° 55'47" R
1983-08-24	00° 24'50"	29° 05'17"	26° 51'36"	02° 22'11" R	06° 24'57"	02° 02'02"	29° 56'04"	05° 06'28"	26° 31'46" R	27° 19'35"	22° 44'35" R
1983-08-25	12° 21'27"	01° 57'06"	27° 34'24"	01° 45'00" R	07° 03'25"	02° 06'35"	00° 00'49"	05° 06'59"	26° 31'17" R	27° 21'07"	22° 32'16" R
1983-08-26	24° 23'09"	00° 52'57"	28° 13'31"	01° 07'39" R	07° 41'51"	02° 11'18"	00° 05'39"	05° 07'32"	26° 30'49" R	27° 22'40"	22° 20'02" R
1983-08-27	06° 31'19"	02° 50'49"	28° 48'44"	00° 30'23" R	08° 20'14"	02° 16'10"	00° 10'33"	05° 08'09"	26° 30'24" R	27° 24'15"	22° 09'04" R
1983-08-28	18° 47'38"	03° 48'43"	29° 19'48"	29° 53'27" R	08° 58'36"	02° 21'12"	00° 15'31"	05° 08'49"	26° 30'00" R	27° 25'51"	22° 00'16" R
1983-08-29	01° 14'15"	04° 46'38"	29° 46'28"	29° 17'05" R	09° 36'56"	02° 26'24"	00° 20'33"	05° 09'31"	26° 29'39" R	27° 27'29"	21° 54'10" R
1983-08-30	13° 53'57"	05° 44'35"	00° 08'28"	28° 41'31" R	10° 15'15"	02° 31'45"	00° 25'39"	05° 10'17"	26° 29'19" R	27° 29'09"	21° 50'43" R
1983-08-31	26° 49'27"	06° 42'35"	00° 25'33"	28° 06'59" R	10° 53'32"	02° 37'15"	00° 30'49"	05° 11'06"	26° 29'01" R	27° 30'50"	21° 49'24" R
1983-09-01	10° 04'20"	07° 40'36"	00° 37'24"	27° 33'41" R	11° 31'47"	02° 42'54"	00° 36'03"	05° 11'58"	26° 28'45" R	27° 32'33"	21° 49'16"
1983-09-02	23° 41'32"	08° 38'39"	00° 43'48"	27° 01'48" R	12° 10'00"	02° 48'43"	00° 41'21"	05° 12'54"	26° 28'31" R	27° 34'17"	21° 49'09" R
1983-09-03	07° 43'04"	09° 36'44"	00° 44'26" R	26° 31'32" R	12° 48'11"	02° 54'41"	00° 46'42"	05° 13'52"	26° 28'19" R	27° 36'03"	21° 47'54" R
1983-09-04	22° 09'08"	10° 34'51"	00° 39'07" R	26° 03'02" R	13° 26'21"	03° 00'48"	00° 52'07"	05° 14'53"	26° 28'09" R	27° 37'50"	21° 44'35" R
1983-09-05	06° 57'10"	11° 33'00"	00° 27'37" R	25° 36'26" R	14° 04'29"	03° 07'04"	00° 57'36"	05° 15'58"	26° 28'01" R	27° 39'38"	21° 38'43" R
1983-09-06	22° 01'23"	12° 31'11"	00° 09'48" R	25° 11'51" R	14° 42'35"	03° 13'28"	01° 03'09"	05° 17'05"	26° 27'54" R	27° 41'28"	21° 30'17" R
1983-09-07	07° 13'01"	13° 29'23"	29° 45'36" R	24° 49'24" R	15° 20'39"	03° 20'02"	01° 08'45"	05° 18'15"	26° 27'50" R	27° 43'19"	21° 19'51" R
1983-09-08	22° 21'35"	14° 27'38"	29° 15'02" R	24° 29'09" R	15° 58'41"	03° 26'44"	01° 14'24"	05° 19'28"	26° 27'47" R	27° 45'12"	21° 08'21" R
1983-09-09	07° 16'37"	15° 25'54"	28° 38'15" R	24° 11'11" R	16° 36'41"	03° 33'35"	01° 20'07"	05° 20'45"	26° 27'47"	27° 47'06"	20° 56'55" R
1983-09-10	21° 49'27"	16° 24'11"	27° 55'33" R	23° 55'33" R	17° 14'39"	03° 40'34"	01° 25'53"	05° 22'04"	26° 27'48"	27° 49'01"	20° 46'42" R
1983-09-11	05° 54'36"	17° 22'31"	27° 07'22" R	23° 42'16" R	17° 52'35"	03° 47'41"	01° 31'42"	05° 23'26"	26° 27'52"	27° 50'57"	20° 38'37" R
1983-09-12	19° 30'07"	18° 20'52"	26° 14'23" R	23° 31'23" R	18° 30'29"	03° 54'57"	01° 37'35"	05° 24'51"	26° 27'57"	27° 52'55"	20° 33'09" R
1983-09-13	02° 37'09"	19° 19'14"	25° 17'24" R	23° 22'54" R	19° 08'21"	04° 02'22"	01° 43'31"	05° 26'19"	26° 28'05"	27° 54'54"	20° 30'14" R
1983-09-14	15° 19'07"	20° 17'38"	24° 17'28" R	23° 16'49" R	19° 46'11"	04° 09'54"	01° 49'30"	05° 27'50"	26° 28'14"	27° 56'54"	20° 29'19" R
1983-09-15	27° 40'41"	21° 16'04"	23° 15'45" R	23° 13'08" R	20° 23'59"	04° 17'34"	01° 55'32"	05° 29'24"	26° 28'26"	27° 58'56"	20° 29'25"
1983-09-16	09° 47'01"	22° 14'31"	22° 13'38" R	23° 11'49" R	21° 01'45"	04° 25'23"	02° 01'37"	05° 31'01"	26° 28'39"	28° 00'58"	20° 29'19" R
1983-09-17	21° 54'15"	23° 13'00"	21° 12'32" R	23° 12'51"	21° 39'30"	04° 33'19"	02° 07'45"	05° 32'41"	26° 28'54"	28° 03'02"	20° 27'50" R
1983-09-18	03° 34'12"	24° 11'31"	20° 13'58" R	23° 16'12"	22° 17'12"	04° 41'22"	02° 13'56"	05° 34'23"	26° 29'12"	28° 05'07"	20° 24'00" R
1983-09-19	15° 24'05"	25° 10'03"	19° 19'22" R	23° 21'50"	22° 54'52"	04° 49'34"	02° 20'09"	05° 36'08"	26° 29'31"	28° 07'12"	20° 17'18" R
1983-09-20	27° 16'19"	26° 08'37"	18° 30'11" R	23° 29'42"	23° 32'31"	04° 57'53"	02° 26'25"	05° 37'56"	26° 29'52"	28° 09'19"	20° 07'44" R
1983-09-21	09° 13'30"	27° 07'13"	17° 47'39" R	23° 39'44"	24° 10'08"	05° 06'19"	02° 32'44"	05° 39'47"	26° 30'16"	28° 11'27"	19° 55'52" R
1983-09-22	21° 17'24"	28° 05'51"	17° 12'54" R	23° 51'55"	24° 47'42"	05° 14'52"	02° 39'05"	05° 41'40"	26° 30'41"	28° 13'36"	19° 42'39" R
1983-09-23	03° 29'09"	29° 04'30"	16° 46'48" R	24° 06'11"	25° 25'15"	05° 23'33"	02° 45'29"	05° 43'36"	26° 31'08"	28° 15'45"	19° 29'19" R
1983-09-24	15° 49'29"	00° 03'12"	16° 30'03" R	24° 22'29"	26° 02'46"	05° 32'20"	02° 51'55"	05° 45'35"	26° 31'37"	28° 17'56"	19° 17'07" R
1983-09-25	28° 19'03"	01° 01'55"	16° 23'03" R	24° 40'44"	26° 40'15"	05° 41'15"	02° 58'24"	05° 47'36"	26° 32'08"	28° 20'07"	19° 07'02" R
1983-09-26	10° 58'36"	02° 00'41"	16° 26'03"	25° 00'54"	27° 17'43"	05° 50'17"	03° 04'55"	05° 49'40"	26° 32'41"	28° 22'20"	18° 59'41" R
1983-09-27	23° 49'14"	02° 59'29"	16° 39'04"	25° 22'55"	27° 55'08"	05° 59'25"	03° 11'29"	05° 51'47"	26° 33'16"	28° 24'33"	18° 55'08" R
1983-09-28	06° 52'33"	03° 58'19"	17° 01'55"	25° 46'43"	28° 32'32"	06° 08'41"	03° 18'05"	05° 53'56"	26° 33'53"	28° 26'47"	18° 52'59" R
1983-09-29	20° 10'30"	04° 57'12"	17° 34'17"	26° 12'15"	29° 09'55"	06° 18'03"	03° 24'43"	05° 56'08"	26° 34'32"	28° 29'02"	18° 52'19" R
1983-09-30	03° 45'11"	05° 56'07"	18° 15'43"	26° 39'27"	29° 47'15"	06° 27'32"	03° 31'23"	05° 58'22"	26° 35'13"	28° 31'18"	18° 52'03" R
1983-10-01	17° 38'17"	06° 55'04"	19° 05'38"	27° 08'16"	00° 24'34"	06° 37'07"	03° 38'06"	06° 00'39"	26° 35'55"	28° 33'35"	18° 51'01" R
1983-10-02	01° 50'25"	07° 54'03"	20° 03'25"	27° 38'39"	01° 01'51"	06° 46'49"	03° 44'50"	06° 02'59"	26° 36'40"	28° 35'52"	18° 48'16" R
1983-10-03	16° 20'19"	08° 53'05"	21° 08'22"	28° 10'31"	01° 39'06"	06° 56'37"	03° 51'36"	06° 05'20"	26° 37'27"	28° 38'10"	18° 43'15" R
1983-10-04	01° 04'19"	09° 52'09"	22° 19'46"	28° 43'49"	02° 16'19"	07° 06'32"	03° 58'24"	06° 07'45"	26° 38'15"	28° 40'29"	18° 35'51" R
1983-10-05	15° 56'13"	10° 51'15"	23° 36'55"	29° 18'30"	02° 53'30"	07° 16'32"	04° 05'14"	06° 10'11"	26° 39'06"	28° 42'48"	18° 26'30" R
1983-10-06	00° 47'56"	11° 50'24"	24° 59'06"	29° 54'31"	03° 30'39"	07° 26'39"	04° 12'06"	06° 12'40"	26° 39'58"	28° 45'08"	18° 16'01" R
1983-10-07	15° 30'40"	12° 49'34"	26° 25'39"	00° 31'48"	04° 07'46"	07° 36'52"	04° 18'59"	06° 15'11"	26° 40'52"	28° 47'28"	18° 05'27" R
1983-10-08	29° 56'17"	13° 48'47"	27° 55'55"	01° 10'20"	04° 44'50"	07° 47'11"	04° 25'54"	06° 17'45"	26° 41'48"	28° 49'49"	17° 55'52" R
1983-10-09	13° 58'48"	14° 48'01"	29° 29'19"	01° 05'03"	05° 21'53"	07° 57'35"	04° 32'51"	06° 20'21"	26° 42'46"	28° 52'10"	17° 48'11" R

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1983-10-10	27°☾35'01"	15°☽47'18"	01°☽05'19"	02°☾30'54"	05°☽58'54"	08°☽08'05"	04°☾39'49"	06°☽22'59"	26°☽43'45"	28°☽54'32"	17°☽42'56"	R _x
1983-10-11	10°☽44'38"	16°☽46'36"	02°☽43'26"	03°☾12'51"	06°☾35'52"	08°☽18'41"	04°☾46'49"	06°☽25'40"	26°☽44'47"	28°☽56'54"	17°☽40'11"	R _x
1983-10-12	23°☽29'46"	17°☽45'56"	04°☽23'14"	03°☾55'52"	07°☾12'49"	08°☽29'23"	04°☾53'50"	06°☽28'22"	26°☽45'50"	28°☽59'17"	17°☽39'32"	R _x
1983-10-13	05°☽54'10"	18°☽45'18"	06°☽04'21"	04°☾39'54"	07°☾49'43"	08°☽40'10"	05°☾00'52"	06°☽31'07"	26°☽46'56"	29°☽01'40"	17°☽40'13"	R _x
1983-10-14	18°☽02'35"	19°☽44'42"	07°☽46'27"	05°☾24'55"	08°☾26'35"	08°☽51'02"	05°☾07'56"	06°☽33'54"	26°☽48'03"	29°☽04'04"	17°☽41'13"	R _x
1983-10-15	00°☽00'08"	20°☽44'08"	09°☽29'15"	06°☾10'53"	09°☾03'25"	09°☽02'00"	05°☾15'00"	06°☽36'43"	26°☽49'12"	29°☽06'28"	17°☽41'30"	R _x
1983-10-16	11°☽51'59"	21°☽43'35"	11°☽12'32"	06°☾57'47"	09°☾40'13"	09°☽13'02"	05°☾22'06"	06°☽39'34"	26°☽50'22"	29°☽08'52"	17°☽40'12"	R _x
1983-10-17	23°☽43'00"	22°☽43'04"	12°☽56'04"	07°☾45'33"	10°☾16'58"	09°☽24'10"	05°☾29'12"	06°☽42'27"	26°☽51'35"	29°☽11'16"	17°☽36'45"	R _x
1983-10-18	05°☽37'32"	23°☽42'35"	14°☽39'43"	08°☾39'43"	10°☾33'11"	10°☽53'41"	09°☽35'22"	05°☾36'20"	06°☽45'21"	26°☽52'49"	29°☽13'41"	R _x
1983-10-19	17°☽39'07"	24°☽42'08"	16°☽23'19"	09°☾23'38"	11°☾30'23"	09°☽46'39"	05°☾43'28"	06°☽48'18"	26°☽54'04"	29°☽16'05"	17°☽23'31"	R _x
1983-10-20	29°☽50'25"	25°☽41'42"	18°☽06'45"	10°☾13'53"	12°☾07'01"	09°☽58'01"	05°☾50'38"	06°☽51'17"	26°☽55'21"	29°☽18'30"	17°☽14'45"	R _x
1983-10-21	12°☽13'08"	26°☽41'19"	19°☽49'57"	11°☾04'55"	12°☾43'38"	10°☽09'28"	05°☾57'48"	06°☽54'17"	26°☽56'40"	29°☽20'55"	17°☽05'41"	R _x
1983-10-22	24°☽48'07"	27°☽40'57"	21°☽32'50"	11°☾56'41"	13°☾20'13"	10°☽20'59"	06°☾04'58"	06°☽57'19"	26°☽58'01"	29°☽23'20"	16°☽57'17"	R _x
1983-10-23	07°☽35'31"	28°☽40'37"	23°☽15'21"	12°☾49'11"	13°☾56'46"	10°☽32'35"	06°☾12'09"	07°☽00'23"	26°☽59'23"	29°☽25'45"	16°☽50'20"	R _x
1983-10-24	20°☽34'58"	29°☽40'20"	24°☽57'26"	13°☾42'22"	14°☾33'16"	10°☽44'15"	06°☾19'21"	07°☽03'29"	27°☽00'47"	29°☽28'10"	16°☽45'22"	R _x
1983-10-25	03°☽45'58"	00°☾40'04"	26°☽39'04"	14°☾36'15"	15°☾09'44"	10°☽56'00"	06°☾26'34"	07°☽06'36"	27°☽02'13"	29°☽30'35"	16°☽42'29"	R _x
1983-10-26	17°☽08'04"	01°☾39'51"	28°☽20'13"	15°☾30'46"	15°☾46'11"	11°☽07'49"	06°☾33'47"	07°☽09'46"	27°☽03'40"	29°☽33'01"	16°☽41'25"	R _x
1983-10-27	00°☽41'06"	02°☾39'40"	00°☾00'53"	16°☾25'55"	16°☾22'35"	11°☽19'42"	06°☾41'00"	07°☽12'56"	27°☽05'09"	29°☽35'26"	16°☽41'35"	R _x
1983-10-28	14°☽25'06"	03°☾39'31"	01°☾41'03"	17°☾21'41"	16°☾58'57"	11°☽31'40"	06°☾48'14"	07°☽16'09"	27°☽06'40"	29°☽37'51"	16°☽42'10"	R _x
1983-10-29	28°☽20'07"	04°☾39'25"	03°☾20'43"	18°☾18'03"	17°☾35'17"	11°☽43'41"	06°☾55'28"	07°☽19'23"	27°☽08'12"	29°☽40'16"	16°☽42'21"	R _x
1983-10-30	12°☽25'50"	05°☾39'20"	04°☾59'53"	19°☾14'58"	18°☾11'34"	11°☽55'47"	07°☾02'43"	07°☽22'38"	27°☽09'45"	29°☽42'41"	16°☽41'28"	R _x
1983-10-31	26°☽41'02"	06°☾39'18"	06°☾38'32"	20°☾12'26"	18°☾47'50"	12°☽07'56"	07°☾09'57"	07°☽25'55"	27°☽11'20"	29°☽45'05"	16°☽39'04"	R _x
1983-11-01	11°☾03'21"	07°☾39'18"	08°☾16'43"	21°☾10'26"	19°☾24'02"	12°☽20'09"	07°☾17'11"	07°☽29'14"	27°☽12'56"	29°☽47'30"	16°☽35'03"	R _x
1983-11-02	25°☾29'03"	08°☾39'20"	09°☾54'24"	22°☾08'56"	20°☾00'13"	12°☽32'26"	07°☾24'26"	07°☽32'33"	27°☽14'34"	29°☽49'54"	16°☽29'43"	R _x
1983-11-03	09°☽53'15"	09°☾39'24"	11°☾31'38"	23°☾07'56"	20°☾36'20"	12°☽44'46"	07°☾31'40"	07°☽35'55"	27°☽16'13"	29°☽52'18"	16°☽23'34"	R _x
1983-11-04	24°☽10'20"	10°☾39'31"	13°☾08'24"	24°☾07'24"	21°☾12'26"	12°☽57'10"	07°☾38'54"	07°☽39'17"	27°☽17'54"	29°☽54'41"	16°☽17'20"	R _x
1983-11-05	08°☾14'46"	11°☾39'39"	14°☾44'44"	25°☾07'19"	21°☾48'29"	13°☽09'37"	07°☾46'08"	07°☽42'41"	27°☽19'36"	29°☽57'04"	16°☽11'45"	R _x
1983-11-06	22°☾01'54"	12°☾39'49"	16°☾20'39"	26°☾07'41"	22°☾24'29"	13°☽22'08"	07°☾53'22"	07°☽46'06"	27°☽21'19"	29°☽59'27"	16°☽07'26"	R _x
1983-11-07	05°☽28'37"	13°☾40'01"	17°☾56'09"	27°☾08'29"	23°☾00'26"	13°☽34'43"	08°☾00'35"	07°☽49'32"	27°☽23'04"	00°☾01'50"	16°☽04'45"	R _x
1983-11-08	18°☽33'43"	14°☾40'15"	19°☾31'15"	28°☾09'41"	23°☾36'21"	13°☽47'20"	08°☾07'48"	07°☽52'59"	27°☽24'50"	00°☾04'12"	16°☽03'49"	R _x
1983-11-09	01°☽17'54"	15°☾40'30"	21°☾05'59"	29°☾11'17"	24°☾12'13"	14°☽00'01"	08°☾15'01"	07°☽56'28"	27°☽26'38"	00°☾06'33"	16°☽04'24"	R _x
1983-11-10	13°☽43'25"	16°☾40'47"	22°☾40'21"	00°☽13'17"	24°☾48'02"	14°☽12'44"	08°☾22'12"	07°☽59'57"	27°☽28'26"	00°☾08'54"	16°☽06'03"	R _x
1983-11-11	25°☽53'47"	17°☾41'05"	24°☾14'22"	01°☽15'39"	25°☾23'48"	14°☽25'31"	08°☾29'24"	08°☽03'28"	27°☽30'16"	00°☾11'15"	16°☽08'11"	R _x
1983-11-12	07°☽53'13"	18°☾41'25"	25°☾48'04"	02°☽18'22"	25°☾59'31"	14°☽38'20"	08°☾36'34"	08°☽06'59"	27°☽32'07"	00°☾13'34"	16°☽10'10"	R _x
1983-11-13	19°☽46'27"	19°☾41'46"	27°☾21'26"	03°☽21'27"	26°☾35'12"	14°☽51'12"	08°☾43'44"	08°☽10'32"	27°☽34'00"	00°☾15'54"	16°☽11'28"	R _x
1983-11-14	01°☽38'24"	20°☾42'09"	28°☾54'31"	04°☽24'53"	27°☾10'49"	15°☽04'07"	08°☾50'52"	08°☽14'05"	27°☽35'53"	00°☾18'12"	16°☽11'45"	R _x
1983-11-15	13°☽33'53"	21°☾42'33"	00°☽27'17"	05°☽28'38"	27°☾46'24"	15°☽17'04"	08°☾58'00"	08°☽17'39"	27°☽37'48"	00°☾20'30"	16°☽10'56"	R _x
1983-11-16	25°☽37'23"	22°☾42'58"	01°☽59'47"	06°☽32'42"	28°☾21'55"	15°☽30'04"	09°☾05'07"	08°☽21'14"	27°☽39'43"	00°☾22'47"	16°☽09'06"	R _x
1983-11-17	07°☽52'41"	23°☾43'25"	03°☽32'01"	07°☽37'06"	28°☾57'24"	15°☽43'06"	09°☾12'13"	08°☽24'49"	27°☽41'40"	00°☾25'03"	16°☽06'37"	R _x
1983-11-18	20°☽22'44"	24°☾43'53"	05°☽03'58"	08°☽41'48"	29°☾32'50"	15°☽56'10"	09°☾19'17"	08°☽28'25"	27°☽43'37"	00°☾27'19"	16°☽03'51"	R _x
1983-11-19	03°☽09'25"	25°☾44'23"	06°☽35'41"	09°☽46'48"	00°☽08'12"	16°☽09'17"	09°☾26'21"	08°☽32'02"	27°☽45'36"	00°☾29'34"	16°☽01'16"	R _x
1983-11-20	16°☽13'27"	26°☾44'54"	08°☽07'07"	10°☽52'05"	00°☽43'32"	16°☽22'26"	09°☾33'23"	08°☽35'39"	27°☽47'36"	00°☾31'48"	15°☽59'11"	R _x
1983-11-21	29°☽34'20"	27°☾45'26"	09°☽38'19"	11°☽57'40"	01°☽18'49"	16°☽35'37"	09°☾40'24"	08°☽39'18"	27°☽49'37"	00°☾34'01"	15°☽57'49"	R _x
1983-11-22	13°☽10'32"	28°☾46'00"	11°☽09'15"	13°☽03'31"	01°☽54'03"	16°☽48'50"	09°☾47'23"	08°☽42'56"	27°☽51'38"	00°☾36'13"	15°☽57'11"	R _x
1983-11-23	26°☽59'39"	29°☾46'36"	12°☽39'55"	14°☽09'38"	02°☽29'13"	17°☽02'05"	09°☾54'21"	08°☽46'35"	27°☽53'41"	00°☾38'25"	15°☽57'10"	R _x
1983-11-24	10°☽58'51"	00°☽47'13"	14°☽10'18"	15°☽16'01"	03°☽04'21"	17°☽15'22"	10°☾01'18"	08°☽50'15"	27°☽55'45"	00°☾40'35"	15°☽57'29"	R _x
1983-11-25	25°☽05'12"	01°☽47'52"	15°☽40'24"	16°☽22'39"	03°☽39'26"	17°☽28'40"	10°☾08'13"	08°☽53'55"	27°☽57'49"	00°☾42'45"	15°☽57'52"	R _x
1983-11-26	09°☽15'52"	02°☽48'33"	17°☽10'11"	17°☽29'32"	04°☽14'27"	17°☽42'01"	10°☾15'06"	08°☽57'35"	27°☽59'55"	00°☾44'53"	15°☽57'59"	R _x
1983-11-27	23°☽28'16"	03°☽49'15"	18°☽39'37"	18°☽36'39"	04°☽49'25"	17°☽55'23"	10°☾21'58"	09°☽01'16"	28°☽02'01"	00°☾47'01"	15°☽57'41"	R _x
1983-11-28	07°☾40'04"	04°☽49'59"	20°☽08'41"	19°☽44'00"	05°☽24'20"	18°☽08'47"	10°☾28'48"	09°☽04'57"	28°☽04'07"	00°☾49'07"	15°☽56'51"	R _x
1983-11-29	21°☾49'00"	05°☽50'44"	21°☽37'18"	20°☽51'34"	05°☽59'11"	18°☽22'12"	10°☾35'36"	09°☽08'38"	28°☽06'15"	00°☾51'12"	15°☽55'34"	R _x
1983-11-30	05°☽52'54"	06°☽51'31"	23°☽05'27"	21°☽59'21"	06°☽33'59"	18°☽35'38"	10°☾42'22"	09°☽12'19"	28°☽08'23"	00°☾53'17"	15°☽53'58"	R _x
1983-12-01	19°☽49'38"	07°☽52'19"	24°☽33'04"	23°☽07'21"	07°☽08'43"	18°☽49'06"	10°☾49'06"	09°☽16'01"	28°☽10'32"	00°☾55'19"	15°☽52'18"	R _x

Jan 01, 1980 00:00 AM CCT

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1983-12-02	03°m.36'58"	08°s.53'09"	26°s.00'02"	24°s.15'32"	07°s.43'23"	19°s.02'36"	10°m.55'48"	09°s.19'42"	28°s.12'42"	00°m.57'21"	15°II.50'46"	R
1983-12-03	17°m.12'48"	09°s.54'00"	27°s.26'18"	25°s.23'56"	08°s.18'00"	19°s.16'06"	11°m.02'27"	09°s.23'24"	28°s.14'52"	00°m.59'22"	15°II.49'35"	R
1983-12-04	00°s.35'11"	10°s.54'53"	28°s.51'44"	26°s.32'31"	08°s.52'32"	19°s.29'38"	11°m.09'05"	09°s.27'05"	28°s.17'03"	01°m.01'21"	15°II.48'50"	R
1983-12-05	13°s.42'39"	11°s.55'47"	00°s.16'12"	27°s.41'16"	09°s.27'01"	19°s.43'10"	11°m.15'40"	09°s.30'47"	28°s.19'14"	01°m.03'19"	15°II.48'32"	R
1983-12-06	26°s.34'25"	12°s.56'42"	01°s.39'33"	28°s.50'12"	10°s.01'26"	19°s.56'44"	11°m.22'13"	09°s.34'28"	28°s.21'27"	01°m.05'16"	15°II.48'38"	
1983-12-07	09°s.10'35"	13°s.57'38"	03°s.01'35"	29°s.59'18"	10°s.35'47"	20°s.10'19"	11°m.28'44"	09°s.38'09"	28°s.23'39"	01°m.07'12"	15°II.48'59"	
1983-12-08	21°s.32'17"	14°s.58'34"	04°s.22'07"	01°m.08'34"	11°s.10'03"	20°s.23'54"	11°m.35'12"	09°s.41'50"	28°s.25'52"	01°m.09'06"	15°II.49'28"	
1983-12-09	03°s.41'31"	15°s.59'32"	05°s.40'53"	02°m.17'59"	11°s.44'15"	20°s.37'30"	11°m.41'37"	09°s.45'31"	28°s.28'06"	01°m.10'58"	15°II.49'59"	
1983-12-10	15°s.41'09"	17°s.00'30"	06°s.57'37"	03°m.27'34"	12°s.18'23"	20°s.51'06"	11°m.48'00"	09°s.49'12"	28°s.30'20"	01°m.12'50"	15°II.50'29"	
1983-12-11	27°s.34'45"	18°s.01'29"	08°s.11'57"	04°m.37'17"	12°s.52'27"	21°s.04'43"	11°m.54'19"	09°s.52'52"	28°s.32'34"	01°m.14'39"	15°II.50'58"	
1983-12-12	09°s.26'29"	19°s.02'29"	09°s.23'32"	05°m.47'10"	13°s.26'25"	21°s.18'20"	12°m.00'36"	09°s.56'31"	28°s.34'48"	01°m.16'28"	15°II.51'32"	
1983-12-13	21°s.20'56"	20°s.03'29"	10°s.31'54"	06°m.57'10"	14°s.00'20"	21°s.31'57"	12°m.06'51"	10°s.00'10"	28°s.37'03"	01°m.18'14"	15°II.52'16"	
1983-12-14	03°s.22'51"	21°s.04'30"	11°s.36'34"	08°m.07'19"	14°s.34'10"	21°s.45'35"	12°m.13'02"	10°s.03'49"	28°s.39'18"	01°m.19'59"	15°II.53'14"	
1983-12-15	15°s.36'53"	22°s.05'31"	12°s.36'58"	09°m.17'36"	15°s.07'55"	21°s.59'13"	12°m.19'10"	10°s.07'27"	28°s.41'33"	01°m.21'43"	15°II.54'26"	
1983-12-16	28°s.07'15"	23°s.06'33"	13°s.32'27"	10°m.28'00"	15°s.41'36"	22°s.12'50"	12°m.25'15"	10°s.11'05"	28°s.43'49"	01°m.23'25"	15°II.55'48"	
1983-12-17	10°s.57'24"	24°s.07'35"	14°s.22'20"	11°m.38'33"	16°s.15'12"	22°s.26'28"	12°m.31'17"	10°s.14'42"	28°s.46'05"	01°m.25'06"	15°II.57'10"	
1983-12-18	24°s.09'39"	25°s.08'38"	15°s.05'48"	12°m.49'12"	16°s.48'43"	22°s.40'06"	12°m.37'15"	10°s.18'18"	28°s.48'20"	01°m.26'44"	15°II.58'18"	
1983-12-19	07°s.44'46"	26°s.09'41"	15°s.42'02"	13°m.59'59"	17°s.22'09"	22°s.53'44"	12°m.43'11"	10°s.21'54"	28°s.50'37"	01°m.28'22"	15°II.58'57"	
1983-12-20	21°s.41'35"	27°s.10'45"	16°s.10'10"	15°m.10'54"	17°s.55'31"	23°s.07'21"	12°m.49'03"	10°s.25'29"	28°s.52'53"	01°m.29'57"	15°II.58'55"	R
1983-12-21	05°s.56'59"	28°s.11'50"	16°s.29'16"	16°m.21'55"	18°s.28'48"	23°s.20'59"	12°m.54'52"	10°s.29'03"	28°s.55'09"	01°m.31'31"	15°II.58'03"	R
1983-12-22	20°s.26'02"	29°s.12'55"	16°s.38'30"	17°m.33'03"	19°s.02'00"	23°s.34'35"	13°m.00'37"	10°s.32'36"	28°s.57'25"	01°m.33'04"	15°II.56'20"	R
1983-12-23	05°s.02'35"	00°s.14'00"	16°s.37'03"	18°m.44'18"	19°s.35'07"	23°s.48'12"	13°m.06'19"	10°s.36'08"	28°s.59'42"	01°m.34'34"	15°II.54'04"	R
1983-12-24	19°s.40'07"	01°s.15'06"	16°s.24'16"	19°m.55'39"	20°s.08'09"	24°s.01'48"	13°m.11'57"	10°s.39'40"	29°s.01'58"	01°m.36'03"	15°II.51'24"	R
1983-12-25	04°s.12'39"	02°s.16'13"	15°s.59'47"	21°m.07'06"	20°s.41'05"	24°s.15'23"	13°m.17'32"	10°s.43'10"	29°s.04'14"	01°m.37'30"	15°II.48'45"	R
1983-12-26	18°s.35'19"	03°s.17'21"	15°s.23'32"	22°m.18'40"	21°s.13'56"	24°s.28'57"	13°m.23'03"	10°s.46'40"	29°s.06'30"	01°m.38'55"	15°II.46'31"	R
1983-12-27	02°s.44'50"	04°s.18'29"	14°s.35'52"	23°m.30'19"	21°s.46'42"	24°s.42'31"	13°m.28'30"	10°s.50'08"	29°s.08'46"	01°m.40'19"	15°II.44'59"	R
1983-12-28	16°s.39'25"	05°s.19'37"	13°s.37'39"	24°m.42'04"	22°s.19'21"	24°s.56'04"	13°m.33'53"	10°s.53'35"	29°s.11'02"	01°m.41'40"	15°II.44'20"	R
1983-12-29	00°m.18'36"	06°s.20'47"	12°s.30'19"	25°m.53'55"	22°s.51'55"	25°s.09'36"	13°m.39'12"	10°s.57'01"	29°s.13'17"	01°m.43'00"	15°II.44'31"	R
1983-12-30	13°m.42'50"	07°s.21'57"	11°s.15'45"	27°m.05'50"	23°s.24'23"	25°s.23'07"	13°m.44'27"	11°s.00'26"	29°s.15'33"	01°m.44'17"	15°II.45'18"	
1983-12-31	26°m.52'59"	08°s.23'07"	09°s.56'20"	28°m.17'51"	23°s.56'45"	25°s.36'37"	13°m.49'38"	11°s.03'50"	29°s.17'48"	01°m.45'33"	15°II.46'19"	
1984-01-01	09°s.50'03"	09°s.24'18"	08°s.34'40"	29°m.29'56"	24°s.29'01"	25°s.50'06"	13°m.54'45"	11°s.07'12"	29°s.20'03"	01°m.46'47"	15°II.47'02"	
1984-01-02	22°s.34'56"	10°s.25'29"	07°s.13'28"	00°s.42'07"	25°s.01'10"	26°s.03'34"	13°m.59'48"	11°s.10'33"	29°s.22'17"	01°m.47'59"	15°II.47'00"	R
1984-01-03	05°s.08'23"	11°s.26'40"	05°s.55'20"	01°s.54'21"	25°s.33'13"	26°s.17'00"	14°m.04'47"	11°s.13'53"	29°s.24'31"	01°m.49'10"	15°II.45'51"	R
1984-01-04	17°s.31'10"	12°s.27'51"	04°s.42'35"	03°s.06'40"	26°s.05'09"	26°s.30'25"	14°m.09'41"	11°s.17'11"	29°s.26'45"	01°m.50'18"	15°II.43'24"	R
1984-01-05	29°s.44'11"	13°s.29'02"	03°s.37'05"	04°s.19'03"	26°s.36'58"	26°s.43'48"	14°m.14'31"	11°s.20'28"	29°s.28'59"	01°m.51'24"	15°II.39'45"	R
1984-01-06	11°s.48'35"	14°s.30'13"	02°s.40'14"	05°s.31'29"	27°s.08'40"	26°s.57'10"	14°m.19'16"	11°s.23'43"	29°s.31'12"	01°m.52'28"	15°II.35'13"	R
1984-01-07	23°s.46'04"	15°s.31'24"	01°s.52'57"	06°s.44'00"	27°s.40'16"	27°s.10'30"	14°m.23'56"	11°s.26'57"	29°s.33'24"	01°m.53'30"	15°II.30'20"	R
1984-01-08	05°s.38'49"	16°s.32'35"	01°s.15'41"	07°s.56'34"	28°s.11'43"	27°s.23'48"	14°m.28'32"	11°s.30'09"	29°s.35'36"	01°m.54'30"	15°II.25'44"	R
1984-01-09	17°s.29'47"	17°s.33'45"	00°s.48'33"	09°s.09'11"	28°s.43'04"	27°s.37'04"	14°m.33'04"	11°s.33'19"	29°s.37'47"	01°m.55'28"	15°II.22'00"	R
1984-01-10	29°s.22'35"	18°s.34'54"	00°s.31'18"	10°s.21'52"	29°s.14'17"	27°s.50'18"	14°m.37'30"	11°s.36'28"	29°s.39'58"	01°m.56'24"	15°II.19'36"	R
1984-01-11	11°s.21'26"	19°s.36'04"	00°s.23'34"	11°s.34'35"	29°s.45'22"	28°s.03'30"	14°m.41'52"	11°s.39'35"	29°s.42'08"	01°m.57'18"	15°II.18'43"	R
1984-01-12	23°s.31'01"	20°s.37'12"	00°s.24'46"	12°s.47'23"	00°m.16'20"	28°s.16'39"	14°m.46'09"	11°s.42'40"	29°s.44'17"	01°m.58'09"	15°II.19'14"	
1984-01-13	05°s.56'08"	21°s.38'20"	00°s.34'16"	14°s.00'13"	00°m.47'09"	28°s.29'47"	14°m.50'21"	11°s.45'43"	29°s.46'26"	01°m.58'59"	15°II.20'44"	
1984-01-14	18°s.41'27"	22°s.39'28"	00°s.51'25"	15°s.13'06"	01°m.17'51"	28°s.42'52"	14°m.54'28"	11°s.48'44"	29°s.48'34"	01°m.59'46"	15°II.22'32"	
1984-01-15	01°s.50'57"	23°s.40'35"	01°s.15'33"	16°s.26'02"	01°m.48'25"	28°s.55'55"	14°m.58'30"	11°s.51'44"	29°s.50'42"	02°m.00'32"	15°II.23'55"	
1984-01-16	15°s.27'25"	24°s.41'41"	01°s.46'01"	17°s.39'01"	02°m.18'51"	29°s.08'55"	15°m.02'27"	11°s.54'42"	29°s.52'49"	02°m.01'15"	15°II.24'06"	R
1984-01-17	29°s.31'33"	25°s.42'47"	02°s.22'14"	18°s.52'03"	02°m.49'09"	29°s.21'53"	15°m.06'19"	11°s.57'38"	29°s.54'55"	02°m.01'57"	15°II.22'34"	R
1984-01-18	14°s.01'16"	26°s.43'52"	03°s.03'37"	20°s.05'08"	03°m.19'18"	29°s.34'48"	15°m.10'06"	12°s.00'31"	29°s.57'00"	02°m.02'36"	15°II.19'04"	R
1984-01-19	28°s.51'27"	27°s.44'57"	03°s.49'39"	21°s.18'15"	03°m.49'18"	29°s.47'41"	15°m.13'48"	12°s.03'23"	29°s.59'04"	02°m.03'13"	15°II.13'42"	R
1984-01-20	13°s.54'11"	28°s.46'01"	04°s.39'53"	22°s.31'25"	04°m.19'10"	00°s.00'30"	15°m.17'24"	12°s.06'13"	00°s.01'07"	02°m.03'48"	15°II.06'56"	R
1984-01-21	28°s.59'51"	29°s.47'04"	05°s.33'54"	23°s.44'38"	04°m.48'53"	00°s.13'17"	15°m.20'56"	12°s.09'00"	00°s.03'10"	02°m.04'20"	14°II.59'30"	R
1984-01-22	13°m.58'45"	00°s.48'07"	06°s.31'19"	24°s.57'53"	05°m.18'27"	00°s.26'00"	15°m.24'21"	12°s.11'46"	00°s.05'11"	02°m.04'51"	14°II.52'15"	R
1984-01-23	28°m.42'37"	01°s.49'09"	07°s.31'48"	26°s.11'10"	05°m.47'51"	00°s.38'41"	15°m.27'42"	12°s.14'29"	00°s.07'12"	02°m.05'19"	14°II.45'59"	R

Jan 01, 1980 00:00 AM CCT

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1984-01-24	13° 05'45"	02° 50'11"	08° 35'04"	27° 24'30"	06° 17'06"	00° 51'19"	15° 30'57"	12° 17'10"	00° 09'11"	02° 05'45"	14° 41'21"	R _x
1984-01-25	27° 05'21"	03° 51'12"	09° 40'51"	28° 37'53"	06° 46'11"	01° 03'53"	15° 34'06"	12° 19'48"	00° 11'10"	02° 06'09"	14° 38'35"	R _x
1984-01-26	10° 41'20"	04° 52'13"	10° 48'55"	29° 51'17"	07° 15'05"	01° 16'24"	15° 37'10"	12° 22'25"	00° 13'07"	02° 06'31"	14° 37'32"	R _x
1984-01-27	23° 55'29"	05° 53'14"	11° 59'05"	01° 04'44"	07° 43'50"	01° 28'52"	15° 40'08"	12° 24'59"	00° 15'04"	02° 06'50"	14° 37'42"	R _x
1984-01-28	06° 50'42"	06° 54'14"	13° 11'09"	02° 18'13"	08° 12'24"	01° 41'16"	15° 43'01"	12° 27'30"	00° 16'59"	02° 07'08"	14° 38'13"	R _x
1984-01-29	19° 30'13"	07° 55'13"	14° 24'59"	03° 31'44"	08° 40'47"	01° 53'36"	15° 45'48"	12° 30'00"	00° 18'53"	02° 07'23"	14° 38'08"	R _x
1984-01-30	01° 57'05"	08° 56'12"	15° 40'25"	04° 45'16"	09° 08'59"	02° 05'53"	15° 48'29"	12° 32'27"	00° 20'47"	02° 07'36"	14° 36'30"	R _x
1984-01-31	14° 13'56"	09° 57'10"	16° 57'22"	05° 58'51"	09° 37'00"	02° 18'06"	15° 51'04"	12° 34'51"	00° 22'39"	02° 07'47"	14° 32'40"	R _x
1984-02-01	26° 22'55"	10° 58'07"	18° 15'42"	07° 12'27"	10° 04'49"	02° 30'16"	15° 53'34"	12° 37'13"	00° 24'29"	02° 07'56"	14° 26'18"	R _x
1984-02-02	08° 25'41"	11° 59'03"	19° 35'20"	08° 26'04"	10° 32'26"	02° 42'21"	15° 55'58"	12° 39'33"	00° 26'19"	02° 08'02"	14° 17'34"	R _x
1984-02-03	20° 23'33"	12° 59'58"	20° 56'12"	09° 39'43"	10° 59'50"	02° 54'22"	15° 58'15"	12° 41'49"	00° 28'07"	02° 08'07"	14° 07'02"	R _x
1984-02-04	02° 17'44"	14° 00'52"	22° 18'13"	10° 53'22"	11° 27'02"	03° 06'19"	16° 00'27"	12° 44'04"	00° 29'54"	02° 08'09"	13° 55'40"	R _x
1984-02-05	14° 09'36"	15° 01'44"	23° 41'21"	12° 07'04"	11° 54'02"	03° 18'11"	16° 02'33"	12° 46'15"	00° 31'39"	02° 08'08"	13° 44'32"	R _x
1984-02-06	26° 00'53"	16° 02'36"	25° 05'32"	13° 20'46"	12° 20'48"	03° 29'59"	16° 04'33"	12° 48'24"	00° 33'23"	02° 08'06"	13° 34'42"	R _x
1984-02-07	07° 54'03"	17° 03'26"	26° 30'43"	14° 34'29"	12° 47'21"	03° 41'43"	16° 06'26"	12° 50'30"	00° 35'06"	02° 08'02"	13° 27'00"	R _x
1984-02-08	19° 52'13"	18° 04'14"	27° 56'54"	15° 48'14"	13° 13'41"	03° 53'21"	16° 08'14"	12° 52'33"	00° 36'47"	02° 07'55"	13° 21'50"	R _x
1984-02-09	01° 59'15"	19° 05'01"	29° 24'01"	17° 01'59"	13° 39'47"	04° 04'56"	16° 09'55"	12° 54'34"	00° 38'27"	02° 07'46"	13° 19'07"	R _x
1984-02-10	14° 19'35"	20° 05'47"	00° 52'03"	18° 15'45"	14° 05'39"	04° 16'25"	16° 11'31"	12° 56'32"	00° 40'06"	02° 07'35"	13° 18'19"	R _x
1984-02-11	26° 57'59"	21° 06'31"	02° 21'01"	19° 29'32"	14° 31'16"	04° 27'50"	16° 13'00"	12° 58'27"	00° 41'43"	02° 07'22"	13° 18'29"	R _x
1984-02-12	09° 59'13"	22° 07'13"	03° 50'52"	20° 43'21"	14° 56'39"	04° 39'10"	16° 14'24"	13° 00'19"	00° 43'19"	02° 07'07"	13° 18'31"	R _x
1984-02-13	23° 27'25"	23° 07'54"	05° 21'36"	21° 57'10"	15° 21'48"	04° 50'24"	16° 15'41"	13° 02'08"	00° 44'53"	02° 06'50"	13° 17'19"	R _x
1984-02-14	07° 25'14"	24° 08'34"	06° 53'13"	23° 10'59"	15° 46'41"	05° 01'34"	16° 16'52"	13° 03'55"	00° 46'26"	02° 06'31"	13° 14'02"	R _x
1984-02-15	21° 52'43"	25° 09'11"	08° 25'42"	24° 24'50"	16° 11'19"	05° 12'38"	16° 17'57"	13° 05'39"	00° 47'57"	02° 06'09"	13° 08'14"	R _x
1984-02-16	06° 46'23"	26° 09'47"	09° 59'04"	25° 38'42"	16° 35'41"	05° 23'37"	16° 18'55"	13° 07'20"	00° 49'26"	02° 05'46"	12° 59'57"	R _x
1984-02-17	21° 58'58"	27° 10'21"	11° 33'19"	26° 52'34"	16° 59'47"	05° 34'31"	16° 19'48"	13° 08'57"	00° 50'54"	02° 05'20"	12° 49'44"	R _x
1984-02-18	07° 20'11"	28° 10'54"	13° 08'27"	28° 06'27"	17° 23'37"	05° 45'19"	16° 20'34"	13° 10'32"	00° 52'21"	02° 04'53"	12° 38'30"	R _x
1984-02-19	22° 38'14"	29° 11'25"	14° 44'28"	29° 20'21"	17° 47'10"	05° 56'02"	16° 21'14"	13° 12'04"	00° 53'45"	02° 04'23"	12° 27'22"	R _x
1984-02-20	07° 42'03"	00° 11'55"	16° 21'24"	00° 34'16"	18° 01'25"	06° 06'39"	16° 22'14"	13° 13'33"	00° 55'08"	02° 03'51"	12° 17'27"	R _x
1984-02-21	22° 23'05"	01° 12'24"	17° 59'14"	01° 48'11"	18° 33'24"	06° 17'10"	16° 22'15"	13° 14'59"	00° 56'30"	02° 03'18"	12° 09'35"	R _x
1984-02-22	06° 36'22"	02° 12'51"	19° 38'00"	03° 02'08"	18° 56'04"	06° 27'35"	16° 22'37"	13° 16'22"	00° 57'49"	02° 02'42"	12° 04'10"	R _x
1984-02-23	20° 20'35"	03° 13'16"	21° 17'41"	04° 16'05"	19° 18'26"	06° 37'55"	16° 22'52"	13° 17'41"	00° 59'07"	02° 02'05"	12° 01'08"	R _x
1984-02-24	03° 37'20"	04° 13'41"	22° 58'20"	05° 30'03"	19° 40'28"	06° 48'08"	16° 23'01"	13° 18'58"	01° 00'24"	02° 01'25"	11° 59'52"	R _x
1984-02-25	16° 30'09"	05° 14'04"	24° 39'57"	06° 44'02"	20° 02'11"	06° 58'16"	16° 23'03"	13° 20'12"	01° 01'38"	02° 00'44"	11° 59'22"	R _x
1984-02-26	29° 03'20"	06° 14'26"	26° 22'32"	07° 58'02"	20° 23'35"	07° 08'17"	16° 23'00"	13° 21'23"	01° 02'51"	02° 00'01"	11° 58'28"	R _x
1984-02-27	11° 21'23"	07° 14'46"	28° 06'07"	09° 12'02"	20° 44'37"	07° 18'11"	16° 22'50"	13° 22'30"	01° 04'02"	01° 59'15"	11° 55'59"	R _x
1984-02-28	23° 28'26"	08° 15'05"	29° 50'42"	10° 26'02"	21° 05'19"	07° 28'00"	16° 22'34"	13° 23'35"	01° 05'12"	01° 58'28"	11° 51'01"	R _x
1984-02-29	05° 28'02"	09° 15'23"	01° 36'19"	11° 40'03"	21° 25'39"	07° 37'41"	16° 22'12"	13° 24'36"	01° 06'19"	01° 57'39"	11° 43'08"	R _x
1984-03-01	17° 23'04"	10° 15'38"	03° 22'56"	12° 54'04"	21° 45'37"	07° 47'16"	16° 21'44"	13° 25'34"	01° 07'25"	01° 56'49"	11° 32'23"	R _x
1984-03-02	29° 15'45"	11° 15'52"	05° 10'36"	14° 08'06"	22° 05'12"	07° 56'44"	16° 21'09"	13° 26'29"	01° 08'29"	01° 55'56"	11° 19'14"	R _x
1984-03-03	11° 07'41"	12° 16'05"	06° 59'18"	15° 22'08"	22° 24'24"	08° 06'05"	16° 20'28"	13° 27'20"	01° 09'31"	01° 55'01"	11° 05'25"	R _x
1984-03-04	23° 00'09"	13° 16'15"	08° 49'03"	16° 36'10"	22° 43'13"	08° 15'19"	16° 19'41"	13° 28'09"	01° 10'31"	01° 54'05"	10° 51'10"	R _x
1984-03-05	04° 54'23"	14° 16'23"	10° 39'50"	17° 50'12"	23° 01'37"	08° 24'26"	16° 18'48"	13° 28'54"	01° 11'29"	01° 53'07"	10° 38'25"	R _x
1984-03-06	16° 15'55"	15° 16'30"	12° 31'40"	19° 04'14"	23° 19'37"	08° 33'26"	16° 17'49"	13° 29'36"	01° 12'25"	01° 52'07"	10° 28'02"	R _x
1984-03-07	28° 54'45"	16° 16'34"	14° 24'30"	20° 18'16"	23° 37'11"	08° 42'18"	16° 16'44"	13° 30'15"	01° 13'20"	01° 51'06"	10° 20'35"	R _x
1984-03-08	11° 05'34"	17° 16'37"	16° 18'19"	21° 32'18"	23° 54'20"	08° 51'03"	16° 15'32"	13° 30'50"	01° 14'12"	01° 50'03"	10° 16'06"	R _x
1984-03-09	23° 27'38"	18° 16'37"	18° 13'06"	22° 46'21"	24° 11'03"	08° 59'40"	16° 14'15"	13° 31'23"	01° 15'03"	01° 48'58"	10° 14'06"	R _x
1984-03-10	06° 04'51"	19° 16'36"	20° 08'46"	24° 00'23"	24° 27'19"	09° 08'10"	16° 12'52"	13° 31'52"	01° 15'51"	01° 47'52"	10° 13'37"	R _x
1984-03-11	19° 01'23"	20° 16'32"	22° 05'18"	25° 14'25"	24° 43'08"	09° 16'32"	16° 11'24"	13° 32'18"	01° 16'38"	01° 46'45"	10° 13'29"	R _x
1984-03-12	02° 21'23"	21° 16'26"	24° 02'34"	26° 28'27"	24° 58'30"	09° 24'46"	16° 09'49"	13° 32'41"	01° 17'23"	01° 45'35"	10° 12'29"	R _x
1984-03-13	16° 08'08"	22° 16'18"	26° 00'30"	27° 42'30"	25° 13'23"	09° 32'53"	16° 08'09"	13° 33'00"	01° 18'06"	01° 44'25"	10° 09'38"	R _x
1984-03-14	00° 23'05"	23° 16'07"	27° 58'58"	28° 56'31"	25° 27'47"	09° 40'51"	16° 06'23"	13° 33'17"	01° 18'47"	01° 43'13"	10° 04'22"	R _x
1984-03-15	15° 04'47"	24° 15'54"	29° 57'47"	00° 10'33"	25° 41'42"	09° 48'42"	16° 04'31"	13° 33'30"	01° 19'26"	01° 41'59"	09° 56'36"	R _x
1984-03-16	00° 08'11"	25° 15'39"	01° 56'49"	01° 24'35"	25° 55'07"	09° 56'24"	16° 02'34"	13° 33'40"	01° 20'03"	01° 40'44"	09° 46'48"	R _x

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♊ Geo Lon	♋ Geo Lon	♌ Geo Lon	♍ Geo Lon	♎ Geo Lon	♏ Geo Lon	♐ Geo Lon	♑ Geo Lon	♒ Geo Lon
1984-03-17	15°η24'44"	26°κ15'22"	03°η55'48"	02°κ38'37"	26°η08'02"	10°ν3'03'58"	16°η00'31"	13°ν33'47"	01°ν20'38"	01°η39'27"	09°π35'49"	
1984-03-18	00°δ43'32"	27°κ15'03"	05°η54'32"	03°κ52'38"	26°η20'25"	10°ν3'11'23"	15°η58'23"	13°ν33'50"	01°ν21'11"	01°η38'10"	09°π24'46"	
1984-03-19	15°δ53'07"	28°κ14'41"	07°η52'43"	05°κ06'40"	26°η32'16"	10°ν3'18'40"	15°η56'10"	13°ν33'50"	01°ν21'42"	01°η36'50"	09°π14'46"	
1984-03-20	00°η43'30"	29°κ14'18"	09°η50'01"	06°κ20'42"	26°η43'35"	10°ν3'25'49"	15°η53'51"	13°ν33'48"	01°ν22'11"	01°η35'30"	09°π06'45"	
1984-03-21	15°η07'44"	00°η13'53"	11°η46'07"	07°κ34'43"	26°η54'20"	10°ν3'32'49"	15°η51'27"	13°ν33'42"	01°ν22'38"	01°η34'08"	09°π01'12"	
1984-03-22	29°η02'31"	01°η13'26"	13°η40'37"	08°κ48'45"	27°η04'31"	10°ν3'39'40"	15°η48'57"	13°ν33'32"	01°ν23'03"	01°η32'45"	08°π58'11"	
1984-03-23	12°ν27'56"	02°η12'58"	15°η33'08"	10°κ02'47"	27°η14'07"	10°ν3'46'22"	15°η46'23"	13°ν33'20"	01°ν23'26"	01°η31'21"	08°π57'13"	
1984-03-24	25°ν26'35"	03°η12'28"	17°η23'14"	11°κ16'50"	27°η23'08"	10°ν3'52'56"	15°η43'43"	13°ν33'05"	01°ν23'47"	01°η29'56"	08°π57'25"	
1984-03-25	08°ν02'34"	04°η11'56"	19°η10'30"	12°κ30'52"	27°η31'32"	10°ν3'59'21"	15°η40'59"	13°ν32'47"	01°ν24'06"	01°η28'30"	08°π57'42"	
1984-03-26	20°ν20'37"	05°η11'22"	20°η54'28"	13°κ44'54"	27°η39'19"	11°ν3'05'36"	15°η38'10"	13°ν32'25"	01°ν24'23"	01°η27'03"	08°π56'56"	
1984-03-27	02°ν25'37"	06°η10'47"	22°η34'45"	14°κ58'56"	27°η46'28"	11°ν3'11'42"	15°η35'15"	13°ν32'00"	01°ν24'38"	01°η25'34"	08°π54'14"	
1984-03-28	14°ν22'05"	07°η10'09"	24°η10'53"	16°κ12'58"	27°η52'59"	11°ν3'17'39"	15°η32'16"	13°ν31'33"	01°ν24'51"	01°η24'05"	08°π49'04"	
1984-03-29	26°ν14'03"	08°η09'30"	25°η42'30"	17°κ26'59"	27°η58'50"	11°ν3'23'26"	15°η29'13"	13°ν31'02"	01°ν25'02"	01°η22'35"	08°π41'24"	
1984-03-30	08°κ04'48"	09°η08'49"	27°η09'13"	18°κ41'01"	28°η04'01"	11°ν3'29'04"	15°η26'05"	13°ν30'27"	01°ν25'11"	01°η21'03"	08°π31'42"	
1984-03-31	19°κ56'54"	10°η08'06"	28°η30'43"	19°κ55'02"	28°η08'31"	11°ν3'34'32"	15°η22'52"	13°ν29'50"	01°ν25'18"	01°η19'31"	08°π20'47"	
1984-04-01	01°η52'14"	11°η07'21"	29°η46'39"	21°κ09'03"	28°η12'20"	11°ν3'39'50"	15°η19'35"	13°ν29'10"	01°ν25'23"	01°η17'58"	08°π09'46"	
1984-04-02	13°η52'17"	12°η06'34"	00°κ56'46"	22°κ23'04"	28°η15'28"	11°ν3'44'58"	15°η16'13"	13°ν28'27"	01°ν25'26"	01°η16'24"	07°π59'44"	
1984-04-03	25°η58'19"	13°η05'45"	02°κ00'50"	23°κ37'04"	28°η17'53"	11°ν3'49'57"	15°η12'48"	13°ν27'41"	01°ν25'27"	01°η14'49"	07°π51'36"	
1984-04-04	08°κ11'37"	14°η04'54"	02°κ58'37"	24°κ51'04"	28°η19'35"	11°ν3'54'45"	15°η09'18"	13°ν26'52"	01°ν25'25"	01°η13'13"	07°π45'57"	
1984-04-05	20°κ33'44"	15°η04'00"	03°κ49'57"	26°κ05'03"	28°η20'34"	11°ν3'59'24"	15°η05'45"	13°ν26'00"	01°ν25'22"	01°η11'37"	07°π42'52"	
1984-04-06	03°π06'34"	16°η03'05"	04°κ34'42"	27°κ19'03"	28°η20'49"	12°ν3'03'52"	15°η02'08"	13°ν25'05"	01°ν25'17"	01°η10'00"	07°π24'51"	
1984-04-07	15°π52'28"	17°η02'07"	05°κ12'45"	28°κ33'01"	28°η20'20"	12°ν3'08'10"	14°η58'27"	13°ν24'07"	01°ν25'10"	01°η08'23"	07°π42'39"	
1984-04-08	28°π54'07"	18°η01'08"	05°κ44'03"	29°κ47'00"	28°η19'07"	12°ν3'12'18"	14°η54'42"	13°ν23'07"	01°ν25'01"	01°η06'45"	07°π43'50"	
1984-04-09	12°κ14'18"	19°η00'05"	06°κ08'34"	01°η00'57"	28°η17'10"	12°ν3'16'15"	14°η50'55"	13°ν22'03"	01°ν24'51"	01°η05'07"	07°π44'32"	
1984-04-10	25°κ55'26"	19°η59'01"	06°κ26'18"	02°η14'55"	28°η14'27"	12°ν3'20'02"	14°η47'04"	13°ν20'57"	01°ν24'38"	01°η03'28"	07°π43'56"	
1984-04-11	09°κ25'49"	20°η57'54"	06°κ37'19"	03°η28'51"	28°η10'59"	12°ν3'23'39"	14°η43'09"	13°ν19'48"	01°ν24'23"	01°η01'49"	07°π41'30"	
1984-04-12	24°κ23'52"	21°η56'45"	06°κ41'44"	04°η42'48"	28°η06'46"	12°ν3'27'04"	14°η39'12"	13°ν18'37"	01°ν24'06"	01°η00'09"	07°π37'07"	
1984-04-13	09°η07'30"	22°η55'33"	06°κ39'43"	05°η56'43"	28°η01'48"	12°ν3'30'20"	14°η35'11"	13°ν17'22"	01°ν23'47"	00°η58'29"	07°π31'03"	
1984-04-14	24°η03'53"	23°η54'20"	06°κ31'32"	07°η10'38"	27°η56'04"	12°ν3'33'24"	14°η31'08"	13°ν16'05"	01°ν23'27"	00°η56'48"	07°π23'57"	
1984-04-15	09°κ04'57"	24°η53'04"	06°κ17'30"	08°η24'33"	27°η49'34"	12°ν3'36'18"	14°η27'02"	13°ν14'46"	01°ν23'04"	00°η55'07"	07°π16'41"	
1984-04-16	24°κ01'30"	25°η51'46"	05°κ57'58"	09°η38'27"	27°η42'19"	12°ν3'39'01"	14°η22'53"	13°ν13'23"	01°ν22'40"	00°η53'26"	07°π10'05"	
1984-04-17	08°η44'40"	26°η50'26"	05°κ33'26"	10°η52'21"	27°η34'18"	12°ν3'41'33"	14°η18'43"	13°ν11'59"	01°ν22'13"	00°η51'45"	07°π04'55"	
1984-04-18	23°η07'15"	27°η49'04"	05°κ04'26"	12°η06'15"	27°η25'32"	12°ν3'43'55"	14°η14'29"	13°ν10'32"	01°ν21'45"	00°η50'03"	07°π01'38"	
1984-04-19	07°ν04'46"	28°η47'40"	04°κ31'33"	13°η20'09"	27°η16'01"	12°ν3'46'05"	14°η10'14"	13°ν09'02"	01°ν21'16"	00°η48'22"	07°π00'21"	
1984-04-20	20°ν35'33"	29°η46'15"	03°κ55'28"	14°η34'02"	27°η05'44"	12°ν3'48'05"	14°η05'56"	13°ν07'30"	01°ν20'44"	00°η46'40"	07°π00'47"	
1984-04-21	03°ν40'26"	00°κ44'48"	03°κ16'53"	15°η47'55"	26°η54'43"	12°ν3'49'53"	14°η01'37"	13°ν05'56"	01°ν20'10"	00°η44'59"	07°π02'22"	
1984-04-22	16°ν22'11"	01°κ43'19"	02°κ36'34"	17°η01'48"	26°η42'58"	12°ν3'51'31"	13°η57'16"	13°ν04'19"	01°ν19'35"	00°η43'17"	07°π04'21"	
1984-04-23	28°ν44'42"	02°κ41'49"	01°κ55'17"	18°η15'41"	26°η30'28"	12°ν3'52'57"	13°η52'53"	13°ν02'40"	01°ν18'58"	00°η41'35"	07°π05'58"	
1984-04-24	10°ν52'34"	03°κ40'17"	01°κ13'48"	19°η29'33"	26°η17'16"	12°ν3'54'12"	13°η48'28"	13°ν00'58"	01°ν18'19"	00°η39'54"	07°π06'33"	
1984-04-25	22°ν50'31"	04°κ38'44"	00°κ32'52"	20°η43'25"	26°η03'21"	12°ν3'55'16"	13°η44'02"	12°ν59'15"	01°ν17'38"	00°η38'12"	07°π05'43"	
1984-04-26	04°κ43'10"	05°κ37'09"	29°η53'12"	21°η57'17"	25°η48'45"	12°ν3'56'08"	13°η39'35"	12°ν57'29"	01°ν16'56"	00°η36'31"	07°π03'20"	
1984-04-27	16°κ34'45"	06°κ35'32"	29°η15'27"	23°η11'08"	25°η33'29"	12°ν3'56'49"	13°η35'07"	12°ν55'41"	01°ν16'12"	00°η34'50"	06°π59'39"	
1984-04-28	28°κ28'52"	07°κ33'53"	28°η40'15"	24°η25'00"	25°η17'34"	12°ν3'57'19"	13°η30'37"	12°ν53'51"	01°ν15'26"	00°η33'09"	06°π55'08"	
1984-04-29	10°η28'26"	08°κ32'13"	28°η08'08"	25°η38'50"	25°η01'02"	12°ν3'57'37"	13°η26'07"	12°ν51'58"	01°ν14'38"	00°η31'28"	06°π50'24"	
1984-04-30	22°η35'43"	09°κ30'31"	27°η39'32"	26°η52'41"	24°η43'54"	12°ν3'57'44"	13°η21'36"	12°ν50'04"	01°ν13'49"	00°η29'47"	06°π46'06"	
1984-05-01	04°κ52'26"	10°η28'48"	27°η14'50"	28°η06'31"	24°η26'12"	12°ν3'57'40"	13°η17'05"	12°ν48'08"	01°ν12'58"	00°η28'07"	06°π24'46"	
1984-05-02	17°κ19'51"	11°κ27'03"	26°η54'21"	29°η20'21"	24°η07'58"	12°ν3'57'24"	13°η12'33"	12°ν46'10"	01°ν12'05"	00°η26'27"	06°π40'43"	
1984-05-03	29°κ58'52"	12°κ25'16"	26°η38'19"	00°κ34'10"	23°η49'14"	12°ν3'56'57"	13°η08'01"	12°ν44'10"	01°ν11'11"	00°η24'48"	06°π40'02"	
1984-05-04	12°π50'11"	13°κ23'27"	26°η26'52"	01°κ47'59"	23°η30'01"	12°ν3'56'19"	13°η03'29"	12°ν42'08"	01°ν10'15"	00°η23'10"	06°π40'29"	
1984-05-05	25°π54'24"	14°κ21'37"	26°η20'08"	03°κ01'48"	23°η10'23"	12°ν3'55'29"	12°η58'57"	12°ν40'05"	01°ν09'18"	00°η21'31"	06°π41'41"	
1984-05-06	09°κ12'07"	15°κ19'44"	26°η18'08"	04°κ15'36"	22°η50'21"	12°ν3'54'28"	12°η54'25"	12°ν38'00"	01°ν08'19"	00°η19'54"	06°π43'08"	
1984-05-07	22°κ43'58"	16°κ17'50"	26°η20'52"	05°κ29'24"	22°η29'58"	12°ν3'53'16"	12°η49'53"	12°ν35'53"	01°ν07'19"	00°η18'17"	06°π44'17"	
1984-05-08	06°κ30'17"	17°κ15'54"	26°η28'20"	06°κ43'11"	22°η09'16"	12°ν3'51'52"	12°η45'23"	12°ν33'45"	01°ν06'17"	00°η16'41"	06°π44'43"	

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Date	☉ Geo Lon	☽ Geo Lon	♀ Geo Lon	♂ Geo Lon	♋ Geo Lon	♌ Geo Lon	♍ Geo Lon	♎ Geo Lon	♏ Geo Lon	♐ Geo Lon	♑ Geo Lon	♒ Geo Lon
1984-05-09	20° 43'05.7"	18° 48'13.55"	26° 07'40.26"	07° 45'56.58"	21° 04'48.18" R	12° 03'50.18" R	12° 04'40.52" R	12° 03'31.35" R	01° 03'05.14" R	00° 04'15.05" R	06° 02'44.12" R	06° 02'44.12" R
1984-05-10	04° 07'44.53"	19° 08'11.55"	26° 07'57.06"	09° 08'10.44"	21° 04'27.07" R	12° 03'48.32" R	12° 04'36.23" R	12° 03'29.24" R	01° 03'04.09" R	00° 04'13.30" R	06° 02'42.22" R	06° 02'42.22" R
1984-05-11	19° 07'09.45"	20° 08'09.53"	27° 07'18.13"	10° 08'24.29"	21° 04'05.44" R	12° 03'46.35" R	12° 04'31.54" R	12° 03'27.12" R	01° 03'03.03" R	00° 04'11.55" R	06° 02'40.23" R	06° 02'40.23" R
1984-05-12	03° 04'41.53"	21° 08'07.49"	27° 07'43.39"	11° 08'38.14"	20° 04'44.13" R	12° 03'44.27" R	12° 04'27.26" R	12° 03'24.57" R	01° 03'01.56" R	00° 04'10.22" R	06° 02'37.35" R	06° 02'37.35" R
1984-05-13	18° 04'16.20"	22° 08'05.43"	28° 07'13.18"	12° 08'51.59"	20° 04'22.36" R	12° 03'42.08" R	12° 04'23.00" R	12° 03'22.42" R	01° 03'00.47" R	00° 04'08.49" R	06° 02'34.44" R	06° 02'34.44" R
1984-05-14	02° 04'47.17"	23° 08'03.36"	28° 07'47.02"	14° 08'05.43"	20° 04'00.56" R	12° 03'39.39" R	12° 04'18.34" R	12° 03'20.26" R	00° 03'59.36" R	00° 04'07.17" R	06° 02'32.12" R	06° 02'32.12" R
1984-05-15	17° 04'08.46"	24° 08'01.27"	29° 07'24.42"	15° 08'19.27"	19° 04'39.15" R	12° 03'36.58" R	12° 04'14.11" R	12° 03'18.08" R	00° 03'58.25" R	00° 04'05.46" R	06° 02'30.19" R	06° 02'30.19" R
1984-05-16	01° 03'15.25"	25° 08'59.16"	00° 08'06.11"	16° 08'33.11"	19° 04'17.36" R	12° 03'34.08" R	12° 04'09.49" R	12° 03'15.49" R	00° 03'57.12" R	00° 04'04.16" R	06° 02'29.17" R	06° 02'29.17" R
1984-05-17	15° 03'03.08"	25° 08'57.04"	00° 08'51.21"	17° 08'46.55"	18° 04'56.02" R	12° 03'31.06" R	12° 04'05.28" R	12° 03'13.30" R	00° 03'55.59" R	00° 04'02.47" R	06° 02'29.06" R	06° 02'29.06" R
1984-05-18	28° 02'29.35"	26° 08'54.51"	01° 08'40.04"	19° 08'00.39"	18° 04'34.35" R	12° 03'27.54" R	12° 04'01.10" R	12° 03'11.09" R	00° 03'54.43" R	00° 04'01.19" R	06° 02'29.40" R	06° 02'29.40" R
1984-05-19	11° 03'34.13"	27° 08'52.37"	02° 08'32.14"	20° 08'14.22"	18° 04'13.17" R	12° 03'24.32" R	11° 04'56.53" R	12° 03'08.47" R	00° 03'53.27" R	29° 04'59.52" R	06° 02'30.45" R	06° 02'30.45" R
1984-05-20	24° 03'18.10"	28° 08'50.21"	03° 08'27.44"	21° 08'28.05"	17° 04'52.12" R	12° 03'20.59" R	11° 04'52.39" R	12° 03'06.25" R	00° 03'52.10" R	29° 04'58.26" R	06° 02'32.04" R	06° 02'32.04" R
1984-05-21	06° 04'43.54"	29° 08'48.04"	04° 08'26.27"	22° 08'41.48"	17° 04'31.22" R	12° 03'17.16" R	11° 04'48.27" R	12° 03'04.01" R	00° 03'50.51" R	29° 04'57.01" R	06° 02'33.25" R	06° 02'33.25" R
1984-05-22	18° 04'54.53"	00° 08'45.46"	05° 08'28.18"	23° 08'55.32"	17° 04'10.49" R	12° 03'13.23" R	11° 04'44.16" R	12° 03'01.37" R	00° 03'49.32" R	29° 04'55.37" R	06° 02'34.35" R	06° 02'34.35" R
1984-05-23	00° 04'55.18"	01° 08'43.27"	06° 08'33.11"	25° 08'09.15"	16° 04'50.35" R	12° 03'09.19" R	11° 04'40.09" R	12° 03'59.12" R	00° 03'48.11" R	29° 04'54.14" R	06° 02'35.30" R	06° 02'35.30" R
1984-05-24	12° 04'49.40"	02° 08'41.07"	07° 08'41.01"	26° 08'22.58"	16° 04'30.45" R	12° 03'05.06" R	11° 04'36.04" R	12° 03'56.46" R	00° 03'46.49" R	29° 04'52.53" R	06° 02'36.10" R	06° 02'36.10" R
1984-05-25	24° 04'42.37"	03° 08'38.46"	08° 08'51.45"	27° 08'36.41"	16° 04'11.19" R	12° 03'00.43" R	11° 04'32.01" R	12° 03'54.20" R	00° 03'45.26" R	29° 04'51.32" R	06° 02'36.41" R	06° 02'36.41" R
1984-05-26	06° 07'38.34"	04° 08'36.24"	10° 08'05.18"	28° 08'50.24"	15° 04'52.20" R	11° 03'56.11" R	11° 04'28.02" R	12° 03'51.53" R	00° 03'44.02" R	29° 04'50.13" R	06° 02'37.07" R	06° 02'37.07" R
1984-05-27	18° 07'41.29"	05° 08'34.01"	11° 08'21.37"	00° 08'04.06"	15° 04'33.51" R	11° 03'51.28" R	11° 04'24.05" R	12° 03'49.26" R	00° 03'42.37" R	29° 04'48.55" R	06° 02'37.35" R	06° 02'37.35" R
1984-05-28	00° 08'54.48"	06° 08'31.37"	12° 08'40.38"	01° 08'17.49"	15° 04'15.53" R	11° 03'46.37" R	11° 04'20.11" R	12° 03'46.58" R	00° 03'41.11" R	29° 04'47.38" R	06° 02'38.06" R	06° 02'38.06" R
1984-05-29	13° 08'21.12"	07° 08'29.12"	14° 08'02.20"	02° 08'31.32"	14° 04'58.30" R	11° 03'41.36" R	11° 04'16.21" R	12° 03'44.30" R	00° 03'39.45" R	29° 04'46.23" R	06° 02'39.39" R	06° 02'39.39" R
1984-05-30	26° 08'02.36"	08° 08'26.46"	15° 08'26.41"	03° 08'45.15"	14° 04'41.42" R	11° 03'36.27" R	11° 04'12.34" R	12° 03'42.02" R	00° 03'38.17" R	29° 04'45.09" R	06° 02'39.09" R	06° 02'39.09" R
1984-05-31	09° 08'00.01"	09° 08'24.19"	16° 08'53.38"	04° 08'58.58"	14° 04'25.31" R	11° 03'31.09" R	11° 04'08.50" R	12° 03'39.33" R	00° 03'36.49" R	29° 04'43.57" R	06° 02'39.26" R	06° 02'39.26" R
1984-06-01	22° 08'13.30"	10° 08'21.51"	18° 08'23.11"	06° 08'12.41"	14° 04'10.01" R	11° 03'25.42" R	11° 04'05.10" R	12° 03'37.05" R	00° 03'35.20" R	29° 04'42.46" R	06° 02'39.25" R	06° 02'39.25" R
1984-06-02	05° 08'42.11"	11° 08'19.22"	19° 08'55.18"	07° 08'26.24"	13° 04'55.11" R	11° 03'20.07" R	11° 04'01.34" R	12° 03'34.36" R	00° 03'33.51" R	29° 04'41.36" R	06° 02'38.59" R	06° 02'38.59" R
1984-06-03	19° 08'24.26"	12° 08'16.52"	21° 08'29.58"	08° 08'40.06"	13° 04'41.04" R	11° 03'14.24" R	10° 04'58.01" R	12° 03'32.08" R	00° 03'32.20" R	29° 04'40.28" R	06° 02'38.07" R	06° 02'38.07" R
1984-06-04	03° 08'18.07"	13° 08'14.20"	23° 08'07.10"	09° 08'53.49"	13° 04'27.40" R	11° 03'08.33" R	10° 04'54.33" R	12° 03'29.39" R	00° 03'30.49" R	29° 04'39.22" R	06° 02'36.54" R	06° 02'36.54" R
1984-06-05	17° 08'20.50"	14° 08'11.47"	24° 08'46.54"	11° 08'07.31"	13° 04'15.02" R	11° 03'02.35" R	10° 04'51.08" R	12° 03'27.10" R	00° 03'29.17" R	29° 04'38.17" R	06° 02'35.30" R	06° 02'35.30" R
1984-06-06	01° 08'30.03"	15° 08'09.14"	26° 08'29.09"	12° 08'21.13"	13° 04'03.10" R	10° 03'56.28" R	10° 04'47.47" R	12° 03'24.42" R	00° 03'27.45" R	29° 04'37.13" R	06° 02'34.06" R	06° 02'34.06" R
1984-06-07	15° 08'43.11"	16° 08'06.38"	28° 08'13.55"	13° 08'34.55"	12° 04'52.04" R	10° 03'50.15" R	10° 04'44.30" R	12° 03'22.14" R	00° 03'26.12" R	29° 04'36.11" R	06° 02'32.55" R	06° 02'32.55" R
1984-06-08	29° 08'57.43"	17° 08'04.02"	00° 08'01.10"	14° 08'48.37"	12° 04'41.46" R	10° 03'43.55" R	10° 04'41.18" R	12° 03'19.46" R	00° 03'24.38" R	29° 04'35.11" R	06° 02'32.06" R	06° 02'32.06" R
1984-06-09	14° 08'11.04"	18° 08'01.24"	01° 08'50.52"	16° 08'02.18"	12° 04'32.17" R	10° 03'37.28" R	10° 04'38.10" R	12° 03'17.18" R	00° 03'23.04" R	29° 04'34.12" R	06° 02'31.43" R	06° 02'31.43" R
1984-06-10	28° 08'20.38"	18° 08'58.46"	03° 08'43.00"	17° 08'15.59"	12° 04'23.36" R	10° 03'30.55" R	10° 04'35.06" R	12° 03'14.51" R	00° 03'21.30" R	29° 04'33.15" R	06° 02'31.42" R	06° 02'31.42" R
1984-06-11	12° 08'23.46"	19° 08'56.06"	05° 08'37.30"	18° 08'29.41"	12° 04'15.44" R	10° 03'24.16" R	10° 04'32.07" R	12° 03'12.25" R	00° 03'19.55" R	29° 04'32.19" R	06° 02'31.52" R	06° 02'31.52" R
1984-06-12	26° 08'17.45"	20° 08'53.26"	07° 08'34.19"	19° 08'43.22"	12° 04'08.42" R	10° 03'17.31" R	10° 04'29.12" R	12° 03'09.59" R	00° 03'18.20" R	29° 04'31.25" R	06° 02'31.59" R	06° 02'31.59" R
1984-06-13	09° 08'59.58"	21° 08'50.44"	09° 08'33.22"	20° 08'57.03"	12° 04'02.28" R	10° 03'10.40" R	10° 04'26.22" R	12° 03'07.34" R	00° 03'16.44" R	29° 04'30.33" R	06° 02'31.46" R	06° 02'31.46" R
1984-06-14	23° 08'28.06"	22° 08'48.02"	11° 08'34.33"	22° 08'10.45"	11° 04'57.05" R	10° 03'03.44" R	10° 04'23.37" R	12° 03'05.09" R	00° 03'15.09" R	29° 04'29.43" R	06° 02'31.01" R	06° 02'31.01" R
1984-06-15	06° 08'40.27"	23° 08'45.20"	13° 08'37.43"	23° 08'24.27"	11° 04'52.30" R	09° 03'56.43" R	10° 04'20.57" R	12° 03'02.45" R	00° 03'13.33" R	29° 04'28.55" R	06° 02'29.36" R	06° 02'29.36" R
1984-06-16	19° 08'36.10"	24° 08'42.37"	15° 08'42.44"	24° 08'38.08"	11° 04'48.45" R	09° 03'49.37" R	10° 04'18.21" R	12° 03'00.22" R	00° 03'11.56" R	29° 04'28.08" R	06° 02'27.33" R	06° 02'27.33" R
1984-06-17	02° 08'15.22"	25° 08'39.53"	17° 08'49.24"	25° 08'51.50"	11° 04'45.50" R	09° 03'42.27" R	10° 04'15.50" R	12° 03'58.00" R	00° 03'10.20" R	29° 04'27.23" R	06° 02'25.05" R	06° 02'25.05" R
1984-06-18	14° 08'39.17"	26° 08'37.09"	19° 08'57.31"	27° 08'05.32"	11° 04'43.43" R	09° 03'35.12" R	10° 04'13.25" R	12° 03'55.38" R	00° 03'08.43" R	29° 04'26.40" R	06° 02'22.33" R	06° 02'22.33" R
1984-06-19	26° 08'50.05"	27° 08'34.24"	22° 08'06.52"	28° 08'19.14"	11° 04'42.25" R	09° 03'27.54" R	10° 04'11.04" R	12° 03'53.18" R	00° 03'07.06" R	29° 04'25.58" R	06° 02'20.20" R	06° 02'20.20" R
1984-06-20	08° 08'50.53"	28° 08'31.39"	24° 08'17.11"	29° 08'32.57"	11° 04'41.56" R	09° 03'20.31" R	10° 04'08.48" R	12° 03'50.58" R	00° 03'05.29" R	29° 04'25.18" R	06° 02'18.51" R	06° 02'18.51" R
1984-06-21	20° 08'45.32"	29° 08'28.54"	26° 08'28.12"	00° 08'46.40"	11° 04'42.16" R	09° 03'13.06" R	10° 04'06.37" R	12° 03'48.39" R	00° 03'03.52" R	29° 04'24.40" R	06° 02'18.23" R	06° 02'18.23" R
1984-06-22	02° 08'38.28"	00° 08'26.09"	28° 08'39.38"	02° 08'00.23"	11° 04'43.24" R	09° 03'05.37" R	10° 04'04.32" R	12° 03'46.22" R	00° 03'02.15" R	29° 04'24.04" R	06° 02'19.04" R	06° 02'19.04" R
1984-06-23	14° 08'34.24"	01° 08'23.23"	00° 08'51.14"	03° 08'14.06"	11° 04'45.20" R	08° 03'58.05" R	10° 04'02.32" R	12° 03'44.05" R	00° 03'00.37" R	29° 04'23.30" R	06° 02'18.45" R	06° 02'18.45" R
1984-06-24	26° 08'38.03"	02° 08'20.38"	03° 08'02.41"	04° 08'27.50"	11° 04'48.03" R	08° 03'50.31" R	10° 04'00.37" R	12° 03'41.50" R	29° 03'59.00" R	29° 04'22.58" R	06° 02'23.06" R	06° 02'23.06" R
1984-06-25	08° 08'53.55"	03° 08'17.52"	05° 08'13.44"	05° 08'41.34"	11° 04'51.34" R	08° 03'42.55" R	09° 04'58.47" R	12° 03'39.36" R	29° 03'57.23" R	29° 04'22.27" R	06° 02'25.37" R	06° 02'25.37" R
1984-06-26	21° 08'25.54"	04° 08'15.06"	07° 08'24.08"	06° 08'55.18"	11° 04'55.52" R	08° 03'35.17" R	09° 04'57.03" R	12° 03'37.24" R	29° 03'55.46" R	29° 04'21.59" R	06° 02'27.41" R	06° 02'27.41" R
1984-06-27	04° 08'17.06"	05° 08'12.21"	09° 08'33.40"	08° 08'09.03"	12° 04'00.56" R	08° 03'27.38" R	09° 04'55.25" R	12° 03'35.13" R	29° 03'54.09" R	29° 04'21.33" R	06° 02'28.43" R	06° 02'28.43" R
1984-06-28	17° 08'29.22"	06° 08'09.35"	11° 08'42.05"	09° 08'22.48"	12° 04'06.47" R	08° 03'19.58" R	09° 04'53.52" R	12° 03'33.04" R	29° 03'52.33" R	29° 04'21.08" R		

Jan 01, 1980 00:00 AM CCT

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1984-07-01	29°☾06'03"	09°☾01'17"	17°☾59'07"	13°☾04'04"	12°♂28'49"	07°♂56'53"	09°♂49'47"	10°♂26'45"	29°♂47'45"	29°♂20'07"	06°♂17'32"	
1984-07-02	13°☾27'16"	09°☾58'30"	20°☾01'35"	14°☾17'50"	12°♂37'38"	07°♂49'12"	09°♂48'37"	10°♂24'41"	29°♂46'10"	29°♂19'50"	06°♂12'01"	
1984-07-03	27°☾54'24"	10°☾55'43"	22°☾02'17"	15°☾31'36"	12°♂47'11"	07°♂41'31"	09°♂47'32"	10°♂22'40"	29°♂44'35"	29°♂19'36"	06°♂06'35"	
1984-07-04	12°♂21'52"	11°☾52'56"	24°☾01'09"	16°☾45'22"	12°♂57'26"	07°♂33'51"	09°♂46'33"	10°♂20'40"	29°♂43'00"	29°♂19'23"	06°♂01'56"	
1984-07-05	26°♂44'52"	12°☾50'09"	25°☾58'08"	17°☾59'08"	13°♂08'23"	07°♂26'13"	09°♂45'40"	10°♂18'42"	29°♂41'26"	29°♂19'12"	05°♂58'34"	
1984-07-06	10°♂59'48"	13°☾47'21"	27°☾53'11"	19°☾12'54"	13°♂20'01"	07°♂18'36"	09°♂44'52"	10°♂16'46"	29°♂39'52"	29°♂19'04"	05°♂56'43"	
1984-07-07	25°♂04'20"	14°☾44'33"	29°☾46'17"	20°☾26'40"	13°♂32'19"	07°♂11'01"	09°♂44'11"	10°♂14'52"	29°♂38'18"	29°♂18'57"	05°♂56'16"	
1984-07-08	08°♂57'20"	15°☾41'44"	01°♂37'25"	21°☾40'26"	13°♂45'17"	07°♂03'28"	09°♂43'35"	10°♂13'00"	29°♂36'46"	29°♂18'53"	05°♂56'49"	
1984-07-09	22°♂38'26"	16°☾38'56"	03°♂26'35"	22°☾54'13"	13°♂58'53"	06°♂55'58"	09°♂43'05"	10°♂11'10"	29°♂35'14"	29°♂18'50"	05°♂57'39"	
1984-07-10	06°♂07'36"	17°☾36'07"	05°♂13'45"	24°☾07'59"	14°♂13'08"	06°♂48'30"	09°♂42'41"	10°♂09'22"	29°♂33'42"	29°♂18'50"	05°♂58'00"	
1984-07-11	19°♂24'55"	18°☾33'19"	06°♂58'56"	25°☾21'46"	14°♂27'59"	06°♂41'06"	09°♂42'23"	10°♂07'36"	29°♂32'12"	29°♂18'52"	05°♂57'06"	
1984-07-12	02°♂30'16"	19°☾30'31"	08°♂42'08"	26°☾35'32"	14°♂43'28"	06°♂33'46"	09°♂42'11"	10°♂05'53"	29°♂30'42"	29°♂18'55"	05°♂54'25"	
1984-07-13	15°♂23'25"	20°☾27'42"	10°♂23'22"	27°☾49'19"	14°♂59'31"	06°♂26'29"	09°♂42'05"	10°♂04'11"	29°♂29'12"	29°♂19'01"	05°♂49'41"	
1984-07-14	28°♂04'15"	21°☾24'54"	12°♂02'36"	29°☾03'06"	15°♂16'10"	06°♂19'17"	09°♂42'04"	10°♂02'32"	29°♂27'44"	29°♂19'09"	05°♂43'05"	
1984-07-15	10°♂32'50"	22°☾22'06"	13°♂39'51"	00°♂16'53"	15°♂33'23"	06°♂12'08"	09°♂42'09"	10°♂00'55"	29°♂26'16"	29°♂19'19"	05°♂35'08"	
1984-07-16	22°♂49'49"	23°☾19'19"	15°♂15'06"	01°♂30'40"	15°♂51'10"	06°♂05'04"	09°♂42'20"	09°♂59'20"	29°♂24'49"	29°♂19'30"	05°♂26'39"	
1984-07-17	04°♂56'29"	24°☾16'32"	16°♂48'23"	02°♂44'28"	16°♂09'30"	05°♂58'05"	09°♂42'37"	09°♂57'47"	29°♂23'23"	29°♂19'44"	05°♂18'35"	
1984-07-18	16°♂54'52"	25°☾13'46"	18°♂19'39"	03°♂58'16"	16°♂28'22"	05°♂51'11"	09°♂43'00"	09°♂56'17"	29°♂21'57"	29°♂20'00"	05°♂11'48"	
1984-07-19	28°♂47'53"	26°☾11'00"	19°♂48'55"	05°♂12'04"	16°♂47'45"	05°♂44'23"	09°♂43'29"	09°♂54'49"	29°♂20'33"	29°♂20'18"	05°♂06'59"	
1984-07-20	10°♂39'17"	27°☾08'15"	21°♂16'08"	06°♂25'52"	17°♂07'41"	05°♂37'40"	09°♂44'03"	09°♂53'24"	29°♂19'09"	29°♂20'38"	05°♂04'25"	
1984-07-21	22°♂33'29"	28°☾05'30"	22°♂41'19"	07°♂39'40"	17°♂28'07"	05°♂31'04"	09°♂44'43"	09°♂52'01"	29°♂17'47"	29°♂21'00"	05°♂03'59"	
1984-07-22	04°♂35'24"	29°☾02'47"	24°♂04'24"	08°♂53'29"	17°♂49'03"	05°♂24'33"	09°♂45'29"	09°♂50'40"	29°♂16'25"	29°♂21'24"	05°♂05'06"	
1984-07-23	16°♂50'06"	00°♂00'04"	25°♂25'23"	10°♂07'18"	18°♂10'29"	05°♂18'09"	09°♂46'22"	09°♂49'22"	29°♂15'05"	29°♂21'50"	05°♂06'54"	
1984-07-24	29°♂22'28"	00°♂57'22"	26°♂44'13"	11°♂21'08"	18°♂32'24"	05°♂11'52"	09°♂47'19"	09°♂48'07"	29°♂13'45"	29°♂22'18"	05°♂08'20"	
1984-07-25	12°♂16'49"	01°♂54'41"	28°♂00'51"	12°♂34'58"	18°♂54'48"	05°♂05'42"	09°♂48'23"	09°♂46'54"	29°♂12'27"	29°♂22'48"	05°♂08'24"	
1984-07-26	25°♂36'18"	02°♂52'01"	29°♂15'14"	13°♂48'48"	19°♂17'40"	04°♂59'39"	09°♂49'33"	09°♂45'44"	29°♂11'10"	29°♂23'20"	05°♂06'21"	
1984-07-27	09°♂22'14"	03°♂49'22"	00°♂27'17"	15°♂02'38"	19°♂41'01"	04°♂53'44"	09°♂50'49"	09°♂44'37"	29°♂09'54"	29°♂23'55"	05°♂01'47"	
1984-07-28	23°☾33'23"	04°♂46'44"	01°♂36'58"	16°♂16'29"	20°♂04'48"	04°♂47'57"	09°♂52'10"	09°♂43'32"	29°♂08'39"	29°♂24'31"	04°♂54'50"	
1984-07-29	08°♂05'43"	05°♂44'06"	02°♂44'10"	17°♂30'20"	20°♂29'02"	04°♂42'18"	09°♂53'37"	09°♂42'31"	29°♂07'26"	29°♂25'09"	04°♂46'00"	
1984-07-30	22°♂52'36"	06°♂41'30"	03°♂48'49"	18°♂44'11"	20°♂53'43"	04°♂36'46"	09°♂55'10"	09°♂41'31"	29°♂06'14"	29°♂25'50"	04°♂36'13"	
1984-07-31	07°♂45'40"	07°♂38'53"	04°♂50'49"	19°♂58'01"	21°♂18'50"	04°♂31'24"	09°♂56'49"	09°♂40'35"	29°♂05'02"	29°♂26'32"	04°♂26'31"	
1984-08-01	22°♂36'14"	08°♂36'18"	05°♂50'03"	21°♂11'52"	21°♂44'22"	04°♂26'10"	09°♂58'33"	09°♂39'41"	29°♂03'53"	29°♂27'16"	04°♂17'57"	
1984-08-02	07°♂16'44"	09°♂33'43"	06°♂46'25"	22°♂25'43"	22°♂10'18"	04°♂21'04"	10°♂00'23"	09°♂38'51"	29°♂02'44"	29°♂28'03"	04°♂11'17"	
1984-08-03	21°♂41'39"	10°♂31'08"	07°♂39'45"	23°☾39'33"	22°♂36'39"	04°♂16'08"	10°♂02'18"	09°♂38'03"	29°♂01'37"	29°♂28'51"	04°♂06'55"	
1984-08-04	05°♂48'03"	11°♂28'35"	08°♂29'57"	24°♂53'24"	23°♂03'24"	04°♂11'22"	10°♂04'20"	09°♂37'18"	29°♂00'31"	29°♂29'41"	04°♂04'42"	
1984-08-05	19°♂35'14"	12°♂26'02"	09°♂16'50"	26°♂07'14"	23°♂30'32"	04°♂06'44"	10°♂06'27"	09°♂36'35"	28°♂59'27"	29°♂30'33"	04°♂04'04"	
1984-08-06	03°♂04'09"	13°♂23'29"	10°♂00'16"	27°♂21'04"	23°♂58'03"	04°♂02'16"	10°♂08'39"	09°♂35'56"	28°♂58'24"	29°♂31'27"	04°♂04'04"	
1984-08-07	16°♂16'39"	14°♂20'58"	10°♂40'02"	28°♂34'54"	24°♂25'56"	03°♂57'58"	10°♂10'57"	09°♂35'20"	28°♂57'23"	29°♂32'24"	04°♂03'33"	
1984-08-08	29°♂14'50"	15°♂18'27"	11°♂16'00"	29°♂48'44"	24°♂54'11"	03°♂53'50"	10°♂13'21"	09°♂34'47"	28°♂56'23"	29°♂33'22"	04°♂01'26"	
1984-08-09	12°♂00'33"	16°♂15'57"	11°♂47'56"	01°♂02'33"	25°♂22'47"	03°♂49'52"	10°♂15'50"	09°♂34'17"	28°♂55'25"	29°♂34'22"	03°♂56'54"	
1984-08-10	24°♂35'20"	17°♂13'28"	12°♂15'38"	02°♂16'22"	25°♂51'44"	03°♂46'04"	10°♂18'24"	09°♂33'49"	28°♂54'28"	29°♂35'24"	03°♂49'33"	
1984-08-11	07°♂00'16"	18°♂11'00"	12°♂38'55"	03°♂30'12"	26°♂21'01"	03°♂42'26"	10°♂21'04"	09°♂33'25"	28°♂53'33"	29°♂36'28"	03°♂39'31"	
1984-08-12	19°♂16'11"	19°♂08'33"	12°♂57'33"	04°♂44'00"	26°♂50'38"	03°♂38'58"	10°♂23'49"	09°♂33'04"	28°♂52'39"	29°♂37'33"	03°♂27'26"	
1984-08-13	01°♂23'54"	20°♂06'07"	13°♂11'20"	05°♂57'49"	27°♂20'34"	03°♂35'41"	10°♂26'39"	09°♂32'45"	28°♂51'47"	29°♂38'41"	03°♂14'21"	
1984-08-14	13°♂42'21"	21°♂03'42"	13°♂20'04"	07°♂11'37"	27°♂50'49"	03°♂32'34"	10°♂29'35"	09°♂32'30"	28°♂50'56"	29°♂39'50"	03°♂01'30"	
1984-08-15	25°♂19'01"	22°♂01'19"	13°♂23'33"	08°♂25'26"	28°♂21'24"	03°♂29'37"	10°♂32'36"	09°♂32'17"	28°♂50'07"	29°♂41'01"	02°♂50'05"	
1984-08-16	07°♂09'54"	22°♂58'57"	13°♂21'37"	09°♂39'14"	28°♂52'16"	03°♂26'52"	10°♂35'42"	09°♂32'08"	28°♂49'19"	29°♂42'14"	02°♂41'04"	
1984-08-17	18°♂59'52"	23°♂56'37"	13°♂14'09"	10°♂53'02"	29°♂23'27"	03°♂24'17"	10°♂38'53"	09°♂32'02"	28°♂48'34"	29°♂43'29"	02°♂34'57"	
1984-08-18	00°♂52'38"	24°♂54'17"	13°♂01'02"	12°♂06'50"	29°♂54'56"	03°♂21'53"	10°♂42'09"	09°♂31'58"	28°♂47'49"	29°♂44'45"	02°♂31'41"	
1984-08-19	12°♂52'36"	25°♂52'00"	12°♂42'15"	13°♂20'37"	00°♂26'42"	03°♂19'40"	10°♂45'30"	09°♂31'58"	28°♂47'07"	29°♂46'03"	02°♂30'44"	
1984-08-20	25°♂04'42"	26°♂49'44"	12°♂17'50"	14°♂34'25"	00°♂58'46"	03°♂17'37"	10°♂48'57"	09°♂32'01"	28°♂46'26"	29°♂47'24"	02°♂31'06"	
1984-08-21	07°♂34'08"	27°♂47'30"	11°♂47'54"	15°♂48'13"	01°♂31'07"	03°♂15'46"	10°♂52'28"	09°♂32'07"	28°♂45'48"	29°♂48'45"	02°♂31'33"	
1984-08-22	20°♂25'54"	28°♂45'18"	11°♂12'41"	17°♂02'01"	02°♂03'45"	03°♂14'07"	10°♂56'05"	09°♂32'16"	28°♂45'11"	29°♂50'09"	02°♂30'53"	

Jan 01, 1980 00:00 AM CCT

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1984-08-23	03°☉44'14"	29°☿43'07"	10°♊32'31" R _x	18°♋15'48"	02°♌36'40"	03°♍12'38" R _x	10°♎59'46"	09°♏32'28"	28°♐44'35" R _x	29°♑51'35"	02°♒28'09" R _x
1984-08-24	17°☉31'44"	00°♋40'58"	09°♌47'54" R _x	19°♍29'35"	03°♎09'51"	03°♏11'21" R _x	11°♐03'33"	09°♑32'44"	28°♒44'02" R _x	29°♓53'02"	02°♈22'47" R _x
1984-08-25	01°☿48'29"	01°♋38'51"	08°♌59'25" R _x	20°♍43'23"	03°♎43'18"	03°♏10'15" R _x	11°♐07'24"	09°♑33'02"	28°♒43'30" R _x	29°♓54'31"	02°♈14'45" R _x
1984-08-26	16°☿31'13"	02°♋36'45"	08°♌07'49" R _x	21°♍57'09"	04°♎17'01"	03°♏09'20" R _x	11°♐11'20"	09°♑33'24"	28°♒43'00" R _x	29°♓56'01"	02°♈04'35" R _x
1984-08-27	01°♋33'09"	03°♋34'41"	07°♌14'00" R _x	23°♍10'56"	04°♎51'00"	03°♏08'37" R _x	11°♐15'21"	09°♑33'48"	28°♒42'32" R _x	29°♓57'33"	01°♈53'12" R _x
1984-08-28	16°♋44'49"	04°♋32'39"	06°♌18'56" R _x	24°♍24'42"	05°♎25'14"	03°♏08'05" R _x	11°♐19'26"	09°♑34'16"	28°♒42'06" R _x	29°♓59'07"	01°♈41'43" R _x
1984-08-29	01°♑55'23"	05°♋30'37"	05°♌23'44" R _x	25°♍38'28"	05°♎59'43"	03°♏07'44" R _x	11°♐23'36"	09°♑34'47"	28°♒41'41" R _x	00°♔00'42"	01°♈31'19" R _x
1984-08-30	16°♑54'44"	06°♋28'38"	04°♌29'31" R _x	26°♍52'14"	06°♎34'27"	03°♏07'35" R _x	11°♐27'51"	09°♑35'21"	28°♒41'19" R _x	00°♔02'19"	01°♈22'55" R _x
1984-08-31	01°♋35'02"	07°♋26'39"	03°♌37'30" R _x	28°♍05'59"	07°♎09'25"	03°♏07'37"	11°♐32'10"	09°♑35'58"	28°♒40'58" R _x	00°♔03'57"	01°♈17'00" R _x
1984-09-01	15°♋51'39"	08°♋24'42"	02°♌48'50" R _x	29°♍19'43"	07°♎44'38"	03°♏07'51"	11°♐36'33"	09°♑36'38"	28°♒40'39" R _x	00°♔05'37"	01°♈13'34" R _x
1984-09-02	29°♋43'09"	09°♋22'47"	02°♌04'38" R _x	00°♑33'27"	08°♎20'05"	03°♏08'17"	11°♐41'01"	09°♑37'21"	28°♒40'22" R _x	00°♔07'19"	01°♈12'04" R _x
1984-09-03	13°♌10'40"	10°♋20'53"	01°♌25'57" R _x	01°♑47'10"	08°♎55'46"	03°♏08'53"	11°♐45'34"	09°♑38'08"	28°♒40'07" R _x	00°♔09'02"	01°♈11'35" R _x
1984-09-04	26°♌16'49"	11°♋19'00"	00°♌53'43" R _x	03°♑00'53"	09°♎31'40"	03°♏09'42"	11°♐50'11"	09°♑38'57"	28°♒39'54" R _x	00°♔10'47"	01°♈10'57" R _x
1984-09-05	09°♏04'55"	12°♋17'09"	00°♌28'43" R _x	04°♑14'35"	10°♎07'47"	03°♏10'41"	11°♐54'52"	09°♑39'50"	28°♒39'43" R _x	00°♔12'33"	01°♈09'01" R _x
1984-09-06	21°♏38'15"	13°♋15'19"	00°♌11'36" R _x	05°♑28'16"	10°♎44'06"	03°♏11'52"	11°♐59'37"	09°♑40'45"	28°♒39'34" R _x	00°♔14'20"	01°♈04'53" R _x
1984-09-07	03°♏59'50"	14°♋13'31"	00°♌02'53" R _x	06°♑41'57"	11°♎20'38"	03°♏13'14"	12°♐04'27"	09°♑41'44"	28°♒39'27" R _x	00°♔16'09"	00°♈58'03" R _x
1984-09-08	16°♏12'09"	15°♋11'44"	00°♌02'52"	07°♑55'37"	11°♎57'23"	03°♏14'48"	12°♐09'20"	09°♑42'45"	28°♒39'22" R _x	00°♔17'59"	00°♈48'33" R _x
1984-09-09	28°♏17'12"	16°♋09'59"	00°♌11'48"	09°♑09'16"	12°♎34'19"	03°♏16'32"	12°♐14'18"	09°♑43'50"	28°♒39'19" R _x	00°♔19'51"	00°♈36'54" R _x
1984-09-10	10°♏16'33"	17°♋08'15"	00°♌29'41"	10°♑22'54"	13°♎11'27"	03°♏18'28"	12°♐19'19"	09°♑44'57"	28°♒39'17" R _x	00°♔21'44"	00°♈24'06" R _x
1984-09-11	22°♏11'31"	18°♋06'34"	00°♌56'30"	11°♑36'32"	13°♎48'46"	03°♏20'35"	12°♐24'24"	09°♑46'08"	28°♒39'18"	00°♔23'38"	00°♈11'20" R _x
1984-09-12	04°♏03'23"	19°♋04'54"	01°♌32'01"	12°♑50'09"	14°♎26'17"	03°♏22'52"	12°♐29'33"	09°♑47'21"	28°♒39'20" R _x	00°♔25'33"	29°♈09'48" R _x
1984-09-13	15°♏53'46"	20°♋03'16"	02°♌15'59"	14°♑03'45"	15°♎03'59"	03°♏25'21"	12°♐34'46"	09°♑48'37"	28°♒39'24" R _x	00°♔27'30"	29°♈50'28" R _x
1984-09-14	27°♏44'44"	21°♋01'39"	03°♌07'59"	15°♑17'21"	15°♎41'52"	03°♏28'01"	12°♐40'03"	09°♑49'57"	28°♒39'31" R _x	00°♔29'28"	29°♈43'55" R _x
1984-09-15	09°♏39'05"	22°♋00'05"	04°♌07'36"	16°♑30'56"	16°♎19'56"	03°♏30'51"	12°♐45'24"	09°♑51'19"	28°♒39'39" R _x	00°♔31'27"	29°♈40'14" R _x
1984-09-16	21°♏40'17"	22°♋58'34"	05°♌14'19"	17°♑44'30"	16°♎58'11"	03°♏33'53"	12°♐50'48"	09°♑52'44"	28°♒39'50" R _x	00°♔33'28"	29°♈38'59" R _x
1984-09-17	03°♑52'27"	23°♋57'04"	06°♌27'33"	18°♑58'04"	17°♎36'36"	03°♏37'05"	12°♐56'16"	09°♑54'12"	28°♒40'02" R _x	00°♔35'29"	29°♈39'20" R _x
1984-09-18	16°♑20'08"	24°♋55'36"	07°♌46'43"	20°♑11'38"	18°♎15'12"	03°♏40'28"	13°♐01'47"	09°♑55'44"	28°♒40'16" R _x	00°♔37'32"	29°♈40'09" R _x
1984-09-19	29°♑08'08"	25°♋54'11"	09°♌11'13"	21°♑25'11"	18°♎53'58"	03°♏44'02"	13°♐07'22"	09°♑57'18"	28°♒40'33" R _x	00°♔39'36"	29°♈40'20" R _x
1984-09-20	12°♑20'52"	26°♋52'48"	10°♌40'25"	22°♑38'43"	19°♎32'55"	03°♏47'47"	13°♐13'00"	09°♑58'54"	28°♒40'51" R _x	00°♔41'42"	29°♈38'56" R _x
1984-09-21	26°♑01'42"	27°♋51'27"	12°♌13'44"	23°♑52'15"	20°♎12'01"	03°♏51'42"	13°♐18'42"	10°♑00'34"	28°♒41'11" R _x	00°♔43'48"	29°♈35'23" R _x
1984-09-22	10°♑11'59"	28°♋50'09"	13°♌50'34"	25°♑05'46"	20°♎51'18"	03°♏55'47"	13°♐24'27"	10°♑02'17"	28°♒41'34" R _x	00°♔45'55"	29°♈29'32" R _x
1984-09-23	24°♑50'04"	29°♋48'52"	15°♌30'23"	26°♑19'17"	21°♎30'44"	04°♏00'03"	13°♐30'16"	10°♑04'02"	28°♒41'58" R _x	00°♔48'03"	29°♈21'45" R _x
1984-09-24	09°♑50'48"	00°♑47'38"	17°♌12'38"	27°♑32'47"	22°♎10'20"	04°♏04'30"	13°♐36'07"	10°♑05'50"	28°♒42'24" R _x	00°♔50'12"	29°♈12'45" R _x
1984-09-25	25°♑05'40"	01°♑46'25"	18°♌56'52"	28°♑46'16"	22°♎50'06"	04°♏09'06"	13°♐42'02"	10°♑07'41"	28°♒42'52" R _x	00°♔52'23"	29°♈03'30" R _x
1984-09-26	10°♑24'00"	02°♑45'15"	20°♌42'39"	29°♑59'45"	23°♎30'01"	04°♏13'53"	13°♐48'00"	10°♑09'34"	28°♒43'22" R _x	00°♔54'34"	28°♈55'00" R _x
1984-09-27	25°♑34'38"	03°♑44'07"	22°♌29'37"	01°♑13'13"	24°♎10'05"	04°♏18'50"	13°♐54'00"	10°♑11'30"	28°♒43'54" R _x	00°♔56'46"	28°♈48'05" R _x
1984-09-28	10°♑27'59"	04°♑43'00"	24°♌17'24"	02°♑26'40"	24°♎50'19"	04°♏23'58"	14°♐00'04"	10°♑13'29"	28°♒44'29" R _x	00°♔58'58"	28°♈43'14" R _x
1984-09-29	24°♑57'17"	05°♑41'56"	26°♌05'45"	03°♑40'06"	25°♎30'41"	04°♏29'15"	14°♐06'11"	10°♑15'31"	28°♒45'05" R _x	01°♔01'12"	28°♈40'34" R _x
1984-09-30	08°♑59'17"	06°♑40'53"	27°♌54'23"	04°♑53'31"	26°♎11'12"	04°♏34'42"	14°♐12'21"	10°♑17'35"	28°♒45'43" R _x	01°♔03'27"	28°♈39'44" R _x
1984-10-01	22°♑33'50"	07°♑39'52"	29°♌43'07"	06°♑06'56"	26°♎51'52"	04°♏40'20"	14°♐18'33"	10°♑19'42"	28°♒46'23" R _x	01°♔05'42"	28°♈40'03" R _x
1984-10-02	05°♑43'03"	08°♑38'53"	01°♑31'45"	07°♑20'19"	27°♎32'40"	04°♏46'07"	14°♐24'48"	10°♑21'52"	28°♒47'05" R _x	01°♔07'59"	28°♈40'39" R _x
1984-10-03	18°♑30'22"	09°♑37'55"	03°♑20'09"	08°♑33'42"	28°♎13'36"	04°♏52'03"	14°♐31'06"	10°♑24'04"	28°♒47'49" R _x	01°♔10'16"	28°♈40'37" R _x
1984-10-04	00°♑59'44"	10°♑37'00"	05°♑08'11"	09°♑47'03"	28°♎54'40"	04°♏58'09"	14°♐37'26"	10°♑26'18"	28°♒48'35" R _x	01°♔12'33"	28°♈39'13" R _x
1984-10-05	13°♑15'06"	11°♑36'06"	06°♑55'46"	11°♑00'23"	29°♎35'51"	05°♑04'24"	14°♐43'49"	10°♑28'35"	28°♒49'22" R _x	01°♔14'52"	28°♈35'58" R _x
1984-10-06	25°♑20'12"	12°♑35'13"	08°♑42'48"	12°♑13'42"	00°♑17'10"	05°♑10'49"	14°♐50'14"	10°♑30'55"	28°♒50'12" R _x	01°♔17'11"	28°♈30'51" R _x
1984-10-07	07°♑18'17"	13°♑34'23"	10°♑29'16"	13°♑27'00"	00°♑58'37"	05°♑17'23"	14°♐56'42"	10°♑33'17"	28°♒51'03" R _x	01°♔19'30"	28°♈24'10" R _x
1984-10-08	19°♑12'05"	14°♑33'35"	12°♑15'05"	14°♑40'16"	01°♑40'10"	05°♑24'06"	15°♐03'12"	10°♑35'41"	28°♒51'57" R _x	01°♔21'50"	28°♈16'34" R _x
1984-10-09	01°♑03'49"	15°♑32'48"	14°♑00'13"	15°♑53'32"	02°♑21'51"	05°♑30'58"	15°♐09'44"	10°♑38'07"	28°♒52'52" R _x	01°♔24'11"	28°♈08'53" R _x
1984-10-10	12°♑55'19"	16°♑32'03"	15°♑44'40"	17°♑06'46"	03°♑03'38"	05°♑37'58"	15°♐16'18"	10°♑40'36"	28°♒53'49" R _x	01°♔26'32"	28°♈01'57" R _x
1984-10-11	24°♑48'13"	17°♑31'21"	17°♑28'25"	18°♑19'59"	03°♑45'33"	05°♑45'08"	15°♐22'54"	10°♑43'08"	28°♒54'48" R _x	01°♔28'53"	27°♈56'28" R _x
1984-10-12	06°♑44'15"	18°♑30'40"	19°♑11'27"	19°♑33'11"	04°♑27'34"	05°♑52'26"	15°♐29'33"	10°♑45'41"	28°♒55'48" R _x	01°♔31'16"	27°♈52'53" R _x
1984-10-13	18°♑45'25"	19°♑30'02"	20°♑53'45"	20°♑46'22"	05°♑09'41"	05°♑59'53"	15°♐36'13"	10°♑48'17"	28°♒56'51" R _x	01°♔33'38"	27°♈51'15" R _x
1984-10-14	00°♑54'05"	20°♑29'26"	22°♑35'21"	21°♑59'32"	05°♑51'56"	06°♑07'29"	15°♐42'56"	10°♑50'55"	28°♒57'55" R _x	01°♔36'01"	27°♈51'19" R _x

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1984-10-15	13°Ⅱ13'02"	21°Ⅴ28'52"	24°Ⅴ16'15"	23°Ⅳ12'40"	06°Ⅴ34'16"	06°Ⅴ15'13"	15°Ⅳ49'40"	10°Ⅴ53'35"	28°Ⅴ59'01"	01°Ⅳ38'25"	27°Ⅴ52'32"	
1984-10-16	25°Ⅱ45'31"	22°Ⅴ28'21"	25°Ⅴ56'27"	24°Ⅳ25'48"	07°Ⅴ16'44"	06°Ⅴ23'05"	15°Ⅳ56'27"	10°Ⅴ56'18"	29°Ⅴ00'09"	01°Ⅳ40'48"	27°Ⅴ54'09"	
1984-10-17	08°Ⅲ35'02"	23°Ⅴ27'51"	27°Ⅴ35'58"	25°Ⅳ38'55"	07°Ⅴ59'17"	06°Ⅴ31'06"	16°Ⅳ03'15"	10°Ⅴ59'02"	29°Ⅴ01'19"	01°Ⅳ43'13"	27°Ⅴ55'28"	
1984-10-18	21°Ⅲ45'02"	24°Ⅴ27'24"	29°Ⅴ14'49"	26°Ⅳ52'00"	08°Ⅴ41'57"	06°Ⅴ39'15"	16°Ⅳ10'05"	11°Ⅴ01'49"	29°Ⅴ02'31"	01°Ⅳ45'37"	27°Ⅴ55'50" R _x	
1984-10-19	05°Ⅳ18'28"	25°Ⅴ27'00"	00°Ⅳ53'01"	28°Ⅳ05'05"	09°Ⅴ24'42"	06°Ⅴ47'32"	16°Ⅳ16'56"	11°Ⅴ04'38"	29°Ⅴ03'44"	01°Ⅳ48'02"	27°Ⅴ54'51" R _x	
1984-10-20	19°Ⅳ16'59"	26°Ⅴ26'38"	02°Ⅳ30'35"	29°Ⅳ18'08"	10°Ⅴ07'34"	06°Ⅴ55'57"	16°Ⅳ23'49"	11°Ⅴ07'29"	29°Ⅴ04'59"	01°Ⅳ50'27"	27°Ⅴ52'27" R _x	
1984-10-21	03°Ⅳ40'15"	27°Ⅴ26'17"	04°Ⅳ07'32"	00°Ⅴ31'11"	10°Ⅴ50'31"	07°Ⅴ04'30"	16°Ⅳ30'44"	11°Ⅴ10'22"	29°Ⅴ06'16"	01°Ⅳ52'52"	27°Ⅴ48'47" R _x	
1984-10-22	18°Ⅳ25'13"	28°Ⅴ26'00"	05°Ⅳ43'52"	01°Ⅴ44'12"	11°Ⅴ33'35"	07°Ⅴ13'11"	16°Ⅳ37'40"	11°Ⅴ13'16"	29°Ⅴ07'34"	01°Ⅳ55'17"	27°Ⅴ44'20" R _x	
1984-10-23	03°Ⅴ26'00"	29°Ⅴ25'44"	07°Ⅳ19'37"	02°Ⅴ57'12"	12°Ⅴ16'44"	07°Ⅴ22'00"	16°Ⅳ44'38"	11°Ⅴ16'13"	29°Ⅴ08'54"	01°Ⅳ57'42"	27°Ⅴ39'38" R _x	
1984-10-24	18°Ⅴ34'19"	00°Ⅳ25'30"	08°Ⅳ54'49"	04°Ⅴ10'11"	12°Ⅴ59'59"	07°Ⅴ30'56"	16°Ⅳ51'36"	11°Ⅴ19'11"	29°Ⅴ10'15"	02°Ⅳ00'08"	27°Ⅴ35'18" R _x	
1984-10-25	03°Ⅳ40'31"	01°Ⅳ25'19"	10°Ⅳ29'26"	05°Ⅴ23'09"	13°Ⅴ43'20"	07°Ⅴ40'00"	16°Ⅳ58'36"	11°Ⅴ22'12"	29°Ⅴ11'39"	02°Ⅳ02'33"	27°Ⅴ31'50" R _x	
1984-10-26	18°Ⅳ35'09"	02°Ⅳ25'09"	12°Ⅳ03'32"	06°Ⅴ36'05"	14°Ⅴ26'46"	07°Ⅴ49'11"	17°Ⅳ05'38"	11°Ⅴ25'14"	29°Ⅴ13'04"	02°Ⅳ04'59"	27°Ⅴ29'33" R _x	
1984-10-27	03°Ⅴ10'23"	03°Ⅳ25'02"	13°Ⅳ37'06"	07°Ⅴ49'00"	15°Ⅴ10'18"	07°Ⅴ58'30"	17°Ⅳ12'40"	11°Ⅴ28'18"	29°Ⅴ14'30"	02°Ⅳ07'24"	27°Ⅴ28'31" R _x	
1984-10-28	17°Ⅴ20'59"	04°Ⅳ24'56"	15°Ⅳ10'10"	09°Ⅴ01'54"	15°Ⅴ53'55"	08°Ⅴ07'56"	17°Ⅳ19'44"	11°Ⅴ31'24"	29°Ⅴ15'59"	02°Ⅳ09'50"	27°Ⅴ28'36"	
1984-10-29	01°Ⅴ04'41"	05°Ⅳ24'52"	16°Ⅳ42'44"	10°Ⅴ14'46"	16°Ⅴ37'37"	08°Ⅴ17'29"	17°Ⅳ26'48"	11°Ⅴ34'31"	29°Ⅴ17'28"	02°Ⅳ12'16"	27°Ⅴ29'28"	
1984-10-30	14°Ⅴ21'48"	06°Ⅳ24'50"	18°Ⅳ14'48"	11°Ⅴ27'37"	17°Ⅴ21'23"	08°Ⅴ27'09"	17°Ⅳ33'54"	11°Ⅴ37'41"	29°Ⅴ19'00"	02°Ⅳ14'41"	27°Ⅴ30'41"	
1984-10-31	27°Ⅴ14'36"	07°Ⅳ24'49"	19°Ⅳ46'23"	12°Ⅴ40'26"	18°Ⅴ05'15"	08°Ⅴ36'56"	17°Ⅳ41'00"	11°Ⅴ40'51"	29°Ⅴ20'33"	02°Ⅳ17'06"	27°Ⅴ31'51"	
1984-11-01	09°Ⅴ46'38"	08°Ⅳ24'50"	21°Ⅳ17'29"	13°Ⅴ53'13"	18°Ⅴ49'11"	08°Ⅴ46'50"	17°Ⅳ48'07"	11°Ⅴ44'04"	29°Ⅴ22'07"	02°Ⅳ19'31"	27°Ⅴ32'36"	
1984-11-02	22°Ⅴ02'02"	09°Ⅳ24'53"	22°Ⅳ48'07"	15°Ⅴ05'58"	19°Ⅴ33'11"	08°Ⅴ56'50"	17°Ⅳ55'15"	11°Ⅴ47'17"	29°Ⅴ23'43"	02°Ⅳ21'56"	27°Ⅴ32'43" R _x	
1984-11-03	04°Ⅴ05'11"	10°Ⅳ24'57"	24°Ⅳ18'17"	16°Ⅴ18'41"	20°Ⅴ17'16"	09°Ⅴ06'57"	18°Ⅳ02'23"	11°Ⅴ50'33"	29°Ⅴ25'20"	02°Ⅳ24'21"	27°Ⅴ32'12" R _x	
1984-11-04	16°Ⅴ00'24"	11°Ⅳ25'03"	25°Ⅳ47'58"	17°Ⅴ31'22"	21°Ⅴ01'25"	09°Ⅴ17'11"	18°Ⅳ09'32"	11°Ⅴ53'49"	29°Ⅴ26'59"	02°Ⅳ26'45"	27°Ⅴ31'09" R _x	
1984-11-05	27°Ⅴ51'38"	12°Ⅳ25'10"	27°Ⅳ17'11"	18°Ⅴ44'01"	21°Ⅴ45'38"	09°Ⅴ27'31"	18°Ⅳ16'41"	11°Ⅴ57'07"	29°Ⅴ28'39"	02°Ⅳ29'09"	27°Ⅴ29'50" R _x	
1984-11-06	09°Ⅴ42'21"	13°Ⅳ25'19"	28°Ⅳ45'54"	19°Ⅴ56'38"	22°Ⅴ29'55"	09°Ⅴ37'57"	18°Ⅳ23'51"	12°Ⅴ00'27"	29°Ⅴ30'20"	02°Ⅳ31'33"	27°Ⅴ28'31" R _x	
1984-11-07	21°Ⅴ35'29"	14°Ⅳ25'29"	00°Ⅴ14'07"	21°Ⅴ09'13"	23°Ⅴ14'15"	09°Ⅴ48'29"	18°Ⅳ31'01"	12°Ⅴ03'48"	29°Ⅴ32'03"	02°Ⅳ33'56"	27°Ⅴ27'28" R _x	
1984-11-08	03°Ⅴ33'25"	15°Ⅳ25'42"	01°Ⅴ41'50"	22°Ⅴ21'45"	23°Ⅴ58'40"	09°Ⅴ59'08"	18°Ⅳ38'11"	12°Ⅴ07'10"	29°Ⅴ33'47"	02°Ⅳ36'19"	27°Ⅴ26'52" R _x	
1984-11-09	15°Ⅴ38'10"	16°Ⅳ25'56"	03°Ⅴ09'00"	23°Ⅴ34'15"	24°Ⅴ43'08"	10°Ⅴ09'52"	18°Ⅳ45'22"	12°Ⅴ10'33"	29°Ⅴ35'33"	02°Ⅳ38'41"	27°Ⅴ26'47"	
1984-11-10	27°Ⅴ51'24"	17°Ⅳ26'11"	04°Ⅴ35'36"	24°Ⅴ46'43"	25°Ⅴ27'39"	10°Ⅴ20'42"	18°Ⅳ52'33"	12°Ⅴ13'57"	29°Ⅴ37'20"	02°Ⅳ41'03"	27°Ⅴ27'08"	
1984-11-11	10°Ⅴ14'35"	18°Ⅳ26'29"	06°Ⅴ01'36"	25°Ⅴ59'09"	26°Ⅴ12'14"	10°Ⅴ31'39"	18°Ⅳ59'44"	12°Ⅴ17'23"	29°Ⅴ39'08"	02°Ⅳ43'25"	27°Ⅴ27'47"	
1984-11-12	22°Ⅴ49'07"	19°Ⅳ26'49"	07°Ⅴ26'57"	27°Ⅴ11'32"	26°Ⅴ56'53"	10°Ⅴ42'41"	19°Ⅳ06'55"	12°Ⅴ20'50"	29°Ⅴ40'57"	02°Ⅳ45'46"	27°Ⅴ28'30"	
1984-11-13	05°Ⅴ36'23"	20°Ⅳ27'10"	08°Ⅴ51'36"	28°Ⅴ23'53"	27°Ⅴ41'35"	10°Ⅴ53'48"	19°Ⅳ14'06"	12°Ⅴ24'18"	29°Ⅴ42'48"	02°Ⅳ48'07"	27°Ⅴ29'04"	
1984-11-14	18°Ⅴ37'48"	21°Ⅳ27'33"	10°Ⅴ15'29"	29°Ⅴ36'12"	28°Ⅴ26'20"	11°Ⅴ05'01"	19°Ⅳ21'17"	12°Ⅴ27'47"	29°Ⅴ44'40"	02°Ⅳ50'27"	27°Ⅴ29'19"	
1984-11-15	01°Ⅴ54'49"	22°Ⅳ27'58"	11°Ⅴ38'32"	00°Ⅴ48'28"	29°Ⅴ11'08"	11°Ⅴ16'20"	19°Ⅳ28'28"	12°Ⅴ31'17"	29°Ⅴ46'33"	02°Ⅳ52'47"	27°Ⅴ29'11" R _x	
1984-11-16	15°Ⅴ28'24"	23°Ⅳ28'25"	13°Ⅴ00'39"	02°Ⅴ00'41"	29°Ⅴ56'00"	11°Ⅴ27'44"	19°Ⅳ35'39"	12°Ⅴ34'48"	29°Ⅴ48'27"	02°Ⅳ55'05"	27°Ⅴ28'40" R _x	
1984-11-17	29°Ⅴ20'02"	24°Ⅳ28'54"	14°Ⅴ21'44"	03°Ⅴ12'52"	00°Ⅴ40'54"	11°Ⅴ39'13"	19°Ⅳ42'50"	12°Ⅴ38'20"	29°Ⅴ50'22"	02°Ⅳ57'23"	27°Ⅴ27'51" R _x	
1984-11-18	13°Ⅳ28'38"	25°Ⅳ29'25"	15°Ⅴ41'40"	04°Ⅴ25'01"	01°Ⅴ25'52"	11°Ⅴ50'48"	19°Ⅳ50'00"	12°Ⅴ41'53"	29°Ⅴ52'18"	02°Ⅳ59'41"	27°Ⅴ26'54" R _x	
1984-11-19	27°Ⅳ52'50"	26°Ⅳ29'57"	17°Ⅴ00'18"	05°Ⅴ37'07"	02°Ⅴ10'52"	12°Ⅴ02'27"	19°Ⅳ57'09"	12°Ⅴ45'26"	29°Ⅴ54'15"	03°Ⅳ01'57"	27°Ⅴ25'56" R _x	
1984-11-20	12°Ⅴ29'21"	27°Ⅳ30'32"	18°Ⅴ17'28"	06°Ⅴ49'09"	02°Ⅴ55'56"	12°Ⅴ14'12"	20°Ⅳ04'19"	12°Ⅴ49'01"	29°Ⅴ56'14"	03°Ⅳ04'13"	27°Ⅴ25'05" R _x	
1984-11-21	27°Ⅴ13'15"	28°Ⅳ31'08"	19°Ⅴ32'58"	08°Ⅴ01'10"	03°Ⅴ41'02"	12°Ⅴ26'01"	20°Ⅳ11'27"	12°Ⅴ52'36"	29°Ⅴ58'13"	03°Ⅳ06'28"	27°Ⅴ24'23" R _x	
1984-11-22	11°Ⅳ58'15"	29°Ⅳ31'45"	20°Ⅴ46'36"	09°Ⅴ13'07"	04°Ⅴ26'12"	12°Ⅴ37'56"	20°Ⅳ18'35"	12°Ⅴ56'11"	00°Ⅴ00'14"	03°Ⅳ08'42"	27°Ⅴ23'49" R _x	
1984-11-23	26°Ⅳ37'24"	00°Ⅴ32'25"	21°Ⅴ58'06"	10°Ⅴ25'01"	05°Ⅴ11'24"	12°Ⅴ49'55"	20°Ⅳ25'43"	12°Ⅴ59'48"	00°Ⅴ02'15"	03°Ⅳ10'56"	27°Ⅴ23'19" R _x	
1984-11-24	11°Ⅴ03'53"	01°Ⅴ33'06"	23°Ⅴ07'09"	11°Ⅴ36'53"	05°Ⅴ56'39"	13°Ⅴ01'59"	20°Ⅳ32'49"	13°Ⅴ03'25"	00°Ⅴ04'18"	03°Ⅳ13'08"	27°Ⅴ22'46" R _x	
1984-11-25	25°Ⅴ12'02"	02°Ⅴ33'48"	24°Ⅴ13'26"	12°Ⅴ48'41"	06°Ⅴ41'56"	13°Ⅴ14'08"	20°Ⅳ39'55"	13°Ⅴ07'03"	00°Ⅴ06'21"	03°Ⅳ15'20"	27°Ⅴ22'06" R _x	
1984-11-26	08°Ⅴ57'58"	03°Ⅴ34'31"	25°Ⅴ16'33"	14°Ⅴ00'25"	07°Ⅴ27'16"	13°Ⅴ26'21"	20°Ⅳ47'00"	13°Ⅴ10'41"	00°Ⅴ08'25"	03°Ⅳ17'31"	27°Ⅴ21'18" R _x	
1984-11-27	22°Ⅴ19'57"	04°Ⅴ35'16"	26°Ⅴ16'02"	15°Ⅴ12'06"	08°Ⅴ12'38"	13°Ⅴ38'38"	20°Ⅳ54'04"	13°Ⅴ14'20"	00°Ⅴ10'30"	03°Ⅳ19'40"	27°Ⅴ20'25" R _x	
1984-11-28	05°Ⅴ18'19"	05°Ⅴ36'02"	27°Ⅴ11'25"	16°Ⅴ23'43"	08°Ⅴ58'02"	13°Ⅴ51'00"	21°Ⅳ01'07"	13°Ⅴ17'59"	00°Ⅴ12'36"	03°Ⅳ21'49"	27°Ⅴ19'35" R _x	
1984-11-29	17°Ⅴ55'06"	06°Ⅴ36'48"	28°Ⅴ02'06"	17°Ⅴ35'15"	09°Ⅴ43'29"	14°Ⅴ03'26"	21°Ⅳ08'09"	13°Ⅴ21'38"	00°Ⅴ14'43"	03°Ⅳ23'56"	27°Ⅴ19'01" R _x	
1984-11-30	00°Ⅴ13'39"	07°Ⅴ37'36"	28°Ⅴ47'29"	18°Ⅴ46'44"	10°Ⅴ28'57"	14°Ⅴ15'55"	21°Ⅳ15'09"	13°Ⅴ25'18"	00°Ⅴ16'50"	03°Ⅳ26'03"	27°Ⅴ18'56"	
1984-12-01	12°Ⅴ18'10"	08°Ⅴ38'25"	29°Ⅴ26'50"	19°Ⅴ58'08"	11°Ⅴ14'27"	14°Ⅴ28'29"	21°Ⅳ22'08"	13°Ⅴ28'58"	00°Ⅴ18'58"	03°Ⅳ28'08"	27°Ⅴ19'29"	
1984-12-02	24°Ⅴ13'19"	09°Ⅴ39'14"	29°Ⅴ59'25"	21°Ⅴ09'27"	11°Ⅴ59'58"	14°Ⅴ41'07"	21°Ⅳ29'06"	13°Ⅴ32'38"	00°Ⅴ21'07"	03°Ⅳ30'12"	27°Ⅴ20'46"	
1984-12-03	06°Ⅴ03'54"	10°Ⅴ40'05"	00°Ⅴ24'24"	22°Ⅴ20'42"	12°Ⅴ45'31"	14°Ⅴ53'48"	21°Ⅳ36'02"	13°Ⅴ36'18"	00°Ⅴ23'16"	03°Ⅳ32'15"	27°Ⅴ22'42"	
1984-12-04	17°Ⅴ54'34"	11°Ⅴ40'56"	00°Ⅴ40'59"	23°Ⅴ31'52"	13°Ⅴ31'06"	15°Ⅴ06'33"	21°Ⅳ42'57"	13°Ⅴ39'59"	00°Ⅴ25'26"	03°Ⅳ34'17"	27°Ⅴ25'03"	
1984-12-05	29°Ⅴ49'33"	12°Ⅴ41'48"	00°Ⅴ48'19"	24°Ⅴ42'56"	14°Ⅴ16'42"	15°Ⅴ19'21"	21°Ⅳ49'50"	13°Ⅴ43'39"	00°Ⅴ27'37"	03°Ⅳ36'17"	27°Ⅴ27'30"	
1984-12-06	11°Ⅴ52'33"	13°Ⅴ42'41"	00°Ⅴ45'37" R _x	25°Ⅴ53'56"	15°Ⅴ02'19"	15°Ⅴ32'13"	21°Ⅳ56'42"	13°Ⅴ47'20"	00°Ⅴ29'48"	03°Ⅳ38'16"	27°Ⅴ29'35"	

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1984-12-07	24°☽06'32"	14°☾43'35"	00°♀32'12"R	27°♁04'49"	15°♂47'58"	15°♃45'09"	22°♄03'32"	13°♅51'01"	00°♆32'00"	03°♇40'14"	27°♈30'56"		
1984-12-08	06°☽33'42"	15°☾44'30"	00°♀307'36"R	28°♁15'38"	16°♂33'37"	15°♃58'07"	22°♄10'20"	13°♅54'41"	00°♆34'12"	03°♇42'11"	27°♈31'10"R		
1984-12-09	19°☽15'21"	16°☾45'26"	29°♀31'36"R	29°♁26'20"	17°♂19'18"	16°♃11'09"	22°♄17'06"	13°♅58'22"	00°♆36'25"	03°♇44'06"	27°♈30'09"R		
1984-12-10	02°☽11'53"	17°☾46'23"	28°♀44'25"R	00°♁36'57"	18°♂05'00"	16°♃24'15"	22°♄23'51"	14°♅02'02"	00°♆38'38"	03°♇46'00"	27°♈27'54"R		
1984-12-11	15°☽22'53"	18°☾47'21"	27°♀46'40"R	01°♁47'28"	18°♂50'43"	16°♃37'23"	22°♄30'34"	14°♅05'43"	00°♆40'52"	03°♇47'53"	27°♈24'39"R		
1984-12-12	28°☽47'20"	19°☾48'20"	26°♀39'35"R	02°♁57'52"	19°♂36'27"	16°♃50'35"	22°♄37'14"	14°♅09'23"	00°♆43'06"	03°♇49'44"	27°♈20'51"R		
1984-12-13	12°☽23'52"	20°☾49'20"	25°♀24'55"R	04°♁08'10"	20°♂22'11"	17°♃03'49"	22°♄43'53"	14°♅13'03"	00°♆45'21"	03°♇51'34"	27°♈17'00"R		
1984-12-14	26°☽11'01"	21°☾50'20"	24°♀04'53"R	05°♁18'21"	21°♂07'57"	17°♃17'06"	22°♄50'29"	14°♅16'42"	00°♆47'35"	03°♇53'23"	27°♈13'37"R		
1984-12-15	10°☽07'18"	22°☽51'22"	22°♀42'08"R	06°♁28'26"	21°♂53'43"	17°♃30'26"	22°♄57'04"	14°♅20'21"	00°♆49'50"	03°♇55'09"	27°♈11'06"R		
1984-12-16	24°☽11'13"	23°☽52'25"	21°♀19'28"R	07°♁38'24"	22°♂39'30"	17°♃43'48"	23°♄03'35"	14°♅24'00"	00°♆52'06"	03°♇56'54"	27°♈09'39"R		
1984-12-17	08°☽21'15"	24°☽53'29"	19°♀59'39"R	08°♁48'14"	23°♂25'18"	17°♃57'14"	23°♄10'05"	14°♅27'38"	00°♆54'21"	03°♇58'38"	27°♈09'12"		
1984-12-18	22°☽35'37"	25°☽54'34"	18°♀45'15"R	09°♁57'58"	24°♂11'06"	18°♃10'41"	23°♄16'32"	14°♅31'16"	00°♆56'37"	04°♇00'20"	27°♈09'30"		
1984-12-19	06°☽52'07"	26°☽55'40"	17°♀38'22"R	11°♁07'34"	24°♂56'55"	18°♃24'11"	23°♄22'57"	14°♅34'53"	00°♆58'53"	04°♇02'01"	27°♈10'00"		
1984-12-20	21°☽07'57"	27°☽56'46"	16°♀40'37"R	12°♁17'03"	25°♂42'45"	18°♃37'44"	23°♄29'19"	14°♅38'30"	01°♆01'09"	04°♇03'40"	27°♈10'09"R		
1984-12-21	05°☽19'39"	28°☽57'54"	15°♀53'05"R	13°♁26'23"	26°♂28'36"	18°♃51'19"	23°♄35'38"	14°♅42'06"	01°♆03'25"	04°♇05'17"	27°♈09'22"R		
1984-12-22	19°☽23'13"	29°☽59'02"	15°♀16'20"R	14°♁35'36"	27°♂14'27"	19°♃04'56"	23°♄41'55"	14°♅45'41"	01°♆05'42"	04°♇06'52"	27°♈07'15"R		
1984-12-23	03°☽14'34"	01°☽00'11"	14°♀50'28"R	15°♁44'39"	28°♂00'18"	19°♃18'36"	23°♄48'09"	14°♅49'16"	01°♆07'58"	04°♇08'26"	27°♈03'37"R		
1984-12-24	16°☽50'00"	02°☽01'20"	14°♀35'17"R	16°♁53'34"	28°♂46'10"	19°♃32'17"	23°♄54'20"	14°♅52'50"	01°♆10'14"	04°♇09'59"	26°♈58'37"R		
1984-12-25	00°☽06'55"	03°☽02'29"	14°♀30'19"R	18°♁02'20"	29°♂32'02"	19°♃46'00"	24°♄00'28"	14°♅56'23"	01°♆12'31"	04°♇11'29"	26°♈52'43"R		
1984-12-26	13°☽04'05"	04°☽03'39"	14°♀34'55"	19°♁10'56"	00°♂17'55"	19°♃59'46"	24°♄06'33"	14°♅59'56"	01°♆14'47"	04°♇12'58"	26°♈46'32"R		
1984-12-27	25°☽41'50"	05°☽04'48"	14°♀48'21"	20°♁19'22"	01°♂03'47"	20°♃13'32"	24°♄12'35"	15°♅03'27"	01°♆17'03"	04°♇14'25"	26°♈40'50"R		
1984-12-28	08°☽02'04"	06°☽05'58"	15°♀09'52"	21°♁27'38"	01°♂49'39"	20°♃27'21"	24°♄18'34"	15°♅06'57"	01°♆19'19"	04°♇15'50"	26°♈36'19"R		
1984-12-29	20°☽07'57"	07°☽07'08"	15°♀38'41"	22°♁35'43"	02°♂35'31"	20°♃41'10"	24°♄24'29"	15°♅10'26"	01°♆21'35"	04°♇17'13"	26°♈33'30"R		
1984-12-30	02°☽03'37"	08°☽08'17"	16°♀14'04"	23°♁43'37"	03°♂21'23"	20°♃55'02"	24°♄30'21"	15°♅13'55"	01°♆23'51"	04°♇18'34"	26°♈32'33"		
1984-12-31	13°☽53'56"	09°☽09'27"	16°♀55'21"	24°♁51'19"	04°♂07'14"	21°♃08'54"	24°♄36'10"	15°♅17'22"	01°♆26'06"	04°♇19'53"	26°♈33'19"		
1985-01-01	25°☽44'04"	10°☽10'36"	17°♀41'52"	25°♁58'49"	04°♂53'05"	21°♃22'48"	24°♄41'55"	15°♅20'47"	01°♆28'21"	04°♇21'11"	26°♈35'14"		
1985-01-02	07°☽39'14"	11°☽11'45"	18°♀33'03"	27°♁06'06"	05°♂38'56"	21°♃36'43"	24°♄47'37"	15°♅24'12"	01°♆30'36"	04°♇22'26"	26°♈37'30"		
1985-01-03	19°☽44'24"	12°☽12'54"	19°♀28'23"	28°♁13'11"	06°♂24'46"	21°♃50'40"	24°♄53'16"	15°♅27'36"	01°♆32'51"	04°♇23'40"	26°♈39'13"		
1985-01-04	02°☽03'54"	13°☽14'03"	20°♀27'24"	29°♁20'02"	07°♂10'35"	22°♃04'37"	24°♄58'50"	15°♅30'58"	01°♆35'05"	04°♇24'52"	26°♈39'28"R		
1985-01-05	14°☽41'12"	14°☽15'12"	21°♀29'42"	00°♁26'40"	07°♂56'24"	22°♃18'35"	25°♄04'21"	15°♅34'19"	01°♆37'19"	04°♇26'01"	26°♈37'37"R		
1985-01-06	27°☽38'27"	15°☽16'21"	22°♀34'55"	01°♁33'03"	08°♂42'12"	22°♃32'35"	25°♄09'49"	15°♅37'39"	01°♆39'33"	04°♇27'09"	26°♈33'23"R		
1985-01-07	10°☽56'08"	16°☽17'29"	23°♀42'43"	02°♁39'12"	09°♂27'59"	22°♃46'35"	25°♄15'13"	15°♅40'57"	01°♆41'46"	04°♇28'15"	26°♈26'51"R		
1985-01-08	24°☽33'00"	17°☽18'37"	24°♀52'51"	03°♁45'06"	10°♂13'46"	23°♃00'36"	25°♄20'32"	15°♅44'14"	01°♆43'59"	04°♇29'19"	26°♈18'33"R		
1985-01-09	08°☽26'03"	18°☽19'45"	26°♀05'03"	04°♁50'44"	10°♂59'32"	23°♃14'37"	25°♄25'48"	15°♅47'29"	01°♆46'11"	04°♇30'21"	26°♈09'20"R		
1985-01-10	22°☽31'05"	19°☽20'53"	27°♀19'08"	05°♁56'05"	11°♂45'16"	23°♃28'39"	25°♄31'00"	15°♅50'43"	01°♆48'22"	04°♇31'21"	26°♈00'11"R		
1985-01-11	06°☽43'18"	20°☽22'01"	28°♀34'53"	07°♁01'11"	12°♂31'00"	23°♃42'42"	25°♄36'08"	15°♅53'55"	01°♆50'33"	04°♇32'19"	25°♈52'02"R		
1985-01-12	20°☽58'10"	21°☽23'09"	29°♀52'10"	08°♁05'59"	13°♂16'43"	23°♃56'45"	25°♄41'11"	15°♅57'06"	01°♆52'44"	04°♇33'14"	25°♈45'35"R		
1985-01-13	05°☽11'53"	22°☽24'16"	01°☽10'50"	09°♁10'30"	14°♂02'25"	24°♃10'48"	25°♄46'11"	16°♅00'15"	01°♆54'54"	04°♇34'08"	25°♈41'12"R		
1985-01-14	19°☽21'46"	23°☽25'24"	02°☽30'46"	10°♁14'42"	14°♂48'06"	24°♃24'52"	25°♄51'06"	16°♅03'22"	01°♆57'03"	04°♇35'00"	25°♈38'46"R		
1985-01-15	03°☽26'12"	24°☽26'31"	03°☽15'51"	11°♁18'37"	15°♂33'46"	24°♃38'56"	25°♄55'57"	16°♅06'28"	01°♆59'11"	04°♇35'49"	25°♈37'44"R		
1985-01-16	17°☽24'21"	25°☽27'39"	05°☽14'02"	12°♁22'12"	16°♂19'25"	24°♃53'00"	26°♄00'43"	16°♅09'31"	02°♆01'19"	04°♇36'36"	25°♈37'16"R		
1985-01-17	01°☽15'46"	26°☽28'46"	06°☽37'12"	13°♁25'28"	17°♂05'03"	25°☽07'04"	26°♄05'26"	16°♅12'33"	02°♆03'26"	04°♇37'22"	25°♈36'19"R		
1985-01-18	14°☽59'56"	27°☽29'53"	08°☽01'18"	14°♁28'23"	17°♂50'41"	25°☽21'08"	26°♄10'03"	16°♅15'34"	02°♆05'32"	04°♇38'05"	25°♈33'55"R		
1985-01-19	28°☽35'53"	28°☽31'00"	09°☽26'16"	15°♁30'57"	18°♂36'17"	25°☽35'13"	26°♄14'36"	16°♅18'32"	02°♆07'38"	04°♇38'46"	25°♈29'19"R		
1985-01-20	12°☽02'08"	29°☽32'06"	10°☽52'05"	16°♁33'10"	19°♂21'52"	25°☽49'17"	26°♄19'05"	16°♅21'29"	02°♆09'43"	04°♇39'25"	25°♈22'14"R		
1985-01-21	25°☽16'50"	00°☽33'12"	12°☽18'41"	17°♁35'00"	20°♂07'26"	26°☽03'20"	26°♄23'29"	16°♅24'23"	02°♆11'47"	04°♇40'02"	25°♈12'48"R		
1985-01-22	08°☽18'09"	01°☽34'17"	13°☽46'02"	18°♁36'27"	20°♂52'59"	26°☽17'24"	26°♄27'48"	16°♅27'16"	02°♆13'50"	04°♇40'36"	25°♈01'37"R		
1985-01-23	21°☽04'45"	02°☽35'21"	15°☽14'08"	19°♁37'29"	21°♂38'30"	26°☽31'27"	26°♄32'02"	16°♅30'06"	02°♆15'52"	04°♇41'09"	24°♈49'42"R		
1985-01-24	03°☽36'10"	03°☽36'24"	16°☽42'56"	20°♁38'06"	22°♂24'00"	26°☽45'29"	26°♄36'11"	16°♅32'54"	02°♆17'53"	04°♇41'39"	24°♈38'10"R		
1985-01-25	15°☽53'04"	04°☽37'27"	18°☽12'26"	21°♁38'17"	23°♂09'29"	26°☽59'30"	26°♄40'15"	16°♅35'40"	02°♆19'53"	04°♇42'07"	24°♈28'07"R		
1985-01-26	27°☽57'21"	05°☽38'28"	19°☽42'36"	22°♁38'01"	23°♂54'56"	27°☽13'31"	26°♄44'15"	16°♅38'24"	02°♆21'52"	04°♇42'32"	24°♈20'23"R		
1985-01-27	09°☽52'03"	06°☽39'29"	21°☽13'28"	23°♁37'16"	24°♂40'21"	27°☽27'31"	26°♄48'09"	16°♅41'05"	02°♆23'49"	04°♇42'56"	24°♈15'22"R		
1985-01-28	21°☽41'17"	07°☽40'28"	22°☽45'00"	24°♁36'02"	25°♂25'45"	27°☽41'30"	26°♄51'58"	16°♅43'45"	02°♆25'46"	04°♇43'17"	24°♈12'56"R		

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1985-01-29	03°♁29'55"	08°≈41'26"	24°♁17'12"	25°≈34'18"	26°≈11'07"	27°♁55'28"	26°♁55'42"	16°♁46'22"	02°♁27'42"	04°♁43'36"	24°♁12'30"	
1985-01-30	15°♁23'18"	09°≈42'23"	25°♁50'05"	26°≈32'02"	26°≈56'27"	28°♁09'25"	26°♁59'20"	16°♁48'56"	02°♁29'37"	04°♁43'53"	24°♁13'02"	
1985-01-31	27°♁27'01"	10°≈43'19"	27°♁23'39"	27°≈29'14"	27°≈41'46"	28°♁23'21"	27°♁02'54"	16°♁51'29"	02°♁31'30"	04°♁44'08"	24°♁13'21" R	
1985-02-01	09°♁46'25"	11°≈44'14"	28°♁57'53"	28°≈25'51"	28°≈27'03"	28°♁37'16"	27°♁06'22"	16°♁53'59"	02°♁33'22"	04°♁44'21"	24°♁12'16" R	
1985-02-02	22°♁26'17"	12°≈45'07"	00°≈32'49"	29°≈21'53"	29°≈12'18"	28°♁51'09"	27°♁09'45"	16°♁56'27"	02°♁35'14"	04°♁44'31"	24°♁08'52" R	
1985-02-03	05°♁30'13"	13°≈45'59"	02°≈08'28"	00°♁17'18"	29°≈57'31"	29°♁05'02"	27°♁13'03"	16°♁58'52"	02°♁37'04"	04°♁44'40"	24°♁02'42" R	
1985-02-04	18°♁59'58"	14°≈46'50"	03°≈44'49"	01°♁12'05"	00°♁42'42"	29°♁18'52"	27°♁16'15"	17°♁01'15"	02°♁38'52"	04°♁44'46"	23°♁53'46" R	
1985-02-05	02°♁54'53"	15°≈47'39"	05°≈21'54"	02°♁06'13"	01°♁27'51"	29°♁32'41"	27°♁19'22"	17°♁03'35"	02°♁40'40"	04°♁44'50"	23°♁42'41" R	
1985-02-06	17°♁11'34"	16°≈48'27"	06°≈59'43"	02°♁59'40"	02°♁12'57"	29°♁46'29"	27°♁22'24"	17°♁05'53"	02°♁42'26"	04°♁44'52"	23°♁30'23" R	
1985-02-07	01°♁44'09"	17°≈49'14"	08°≈38'17"	03°♁52'24"	02°♁58'02"	00°≈00'15"	27°♁25'19"	17°♁08'08"	02°♁44'11"	04°♁44'52" R	23°♁18'03" R	
1985-02-08	16°♁25'12"	18°≈50'00"	10°≈17'38"	04°♁44'24"	03°♁43'05"	00°≈13'59"	27°♁28'09"	17°♁10'21"	02°♁45'54"	04°♁44'49" R	23°♁06'52" R	
1985-02-09	01°♁06'52"	19°≈50'44"	11°≈57'45"	05°♁35'39"	04°♁28'05"	00°≈27'41"	27°♁30'54"	17°♁12'30"	02°♁47'36"	04°♁44'44" R	22°♁57'43" R	
1985-02-10	15°♁42'17"	20°≈51'28"	13°≈38'41"	06°♁26'06"	05°♁13'04"	00°≈41'21"	27°♁33'33"	17°♁14'38"	02°♁49'17"	04°♁44'37" R	22°♁51'06" R	
1985-02-11	00°♁06'24"	21°≈52'10"	15°≈20'26"	07°♁15'45"	05°♁58'00"	00°≈54'59"	27°♁36'06"	17°♁16'42"	02°♁50'56"	04°♁44'28" R	22°♁46'59" R	
1985-02-12	14°♁16'23"	22°≈52'52"	17°≈03'00"	08°♁04'33"	06°♁42'55"	01°≈08'36"	27°♁38'33"	17°♁18'44"	02°♁52'34"	04°♁44'17" R	22°♁44'47" R	
1985-02-13	28°♁11'18"	23°≈53'32"	18°≈46'25"	08°♁52'29"	07°♁27'47"	01°≈22'10"	27°♁40'55"	17°♁20'43"	02°♁54'10"	04°♁44'04" R	22°♁43'34" R	
1985-02-14	11°♁51'38"	24°≈54'11"	20°≈30'41"	09°♁39'30"	08°♁12'38"	01°≈35'42"	27°♁43'11"	17°♁22'40"	02°♁55'45"	04°♁43'49" R	22°♁42'09" R	
1985-02-15	25°♁18'30"	25°≈54'50"	22°≈15'49"	10°♁25'35"	08°♁57'27"	01°≈49'12"	27°♁45'21"	17°♁24'34"	02°♁57'18"	04°♁43'31" R	22°♁39'22" R	
1985-02-16	08°♁33'06"	26°≈55'27"	24°≈01'50"	11°♁10'42"	09°♁42'13"	02°≈02'40"	27°♁47'25"	17°♁26'25"	02°♁58'50"	04°♁43'12" R	22°♁34'20" R	
1985-02-17	21°♁36'18"	27°≈56'03"	25°≈48'42"	11°♁54'47"	10°♁26'58"	02°≈16'05"	27°♁49'24"	17°♁28'13"	03°♁00'21"	04°♁42'50" R	22°♁26'35" R	
1985-02-18	04°≈28'34"	28°≈56'37"	27°≈36'26"	12°♁37'50"	11°♁11'40"	02°≈29'27"	27°♁51'16"	17°♁29'58"	03°♁01'49"	04°♁42'27" R	22°♁21'12" R	
1985-02-19	17°≈09'54"	29°≈57'10"	29°≈25'02"	13°♁19'46"	11°♁56'20"	02°≈42'47"	27°♁53'02"	17°♁31'40"	03°♁03'17"	04°♁42'01" R	22°♁03'47" R	
1985-02-20	29°≈40'10"	00°≈57'41"	01°≈14'28"	14°♁00'34"	12°♁40'58"	02°≈56'04"	27°♁54'42"	17°♁33'20"	03°♁04'42"	04°♁41'33" R	21°♁50'19" R	
1985-02-21	11°≈59'22"	01°≈58'11"	03°≈04'43"	14°♁40'10"	13°♁25'34"	03°≈09'18"	27°♁56'16"	17°♁34'56"	03°♁06'06"	04°♁41'03" R	21°♁37'03" R	
1985-02-22	24°≈07'57"	02°≈58'39"	04°≈55'46"	15°♁18'32"	14°♁10'08"	03°≈22'29"	27°♁57'44"	17°♁36'29"	03°♁07'28"	04°♁40'31" R	21°♁25'13" R	
1985-02-23	06°♁07'08"	03°≈59'06"	06°≈47'34"	15°♁55'37"	14°♁54'39"	03°≈35'37"	27°♁59'06"	17°♁38'00"	03°♁08'48"	04°♁39'57" R	21°♁15'47" R	
1985-02-24	17°♁58'59"	04°≈59'30"	08°≈40'02"	16°♁31'22"	15°♁39'08"	03°≈48'42"	28°♁00'22"	17°♁39'27"	03°♁10'07"	04°♁39'21" R	21°♁09'18" R	
1985-02-25	29°♁46'32"	05°≈59'53"	10°≈33'07"	17°♁05'43"	16°♁23'34"	04°≈01'44"	28°♁01'32"	17°♁40'51"	03°♁11'24"	04°♁38'43" R	21°♁05'46" R	
1985-02-26	11°♁33'45"	07°≈00'14"	12°≈26'43"	17°♁38'36"	17°♁07'58"	04°≈14'43"	28°♁02'35"	17°♁42'12"	03°♁12'39"	04°♁38'03" R	21°♁04'41" R	
1985-02-27	23°♁25'20"	08°≈00'33"	14°≈20'44"	18°♁10'00"	17°♁52'20"	04°≈27'38"	28°♁03'33"	17°♁43'31"	03°♁13'53"	04°♁37'21" R	21°♁05'05"	
1985-02-28	05°♁26'31"	09°≈00'50"	16°≈14'59"	18°♁39'49"	18°♁36'39"	04°≈40'29"	28°♁04'24"	17°♁44'46"	03°♁15'04"	04°♁36'37" R	21°♁05'47"	
1985-02-29	17°♁42'47"	10°≈01'05"	18°≈09'20"	19°♁08'00"	19°♁20'55"	04°≈53'18"	28°♁05'09"	17°♁45'58"	03°♁16'14"	04°♁35'52" R	21°♁05'36" R	
1985-03-02	00°♁19'26"	11°≈01'18"	20°≈03'35"	19°♁34'30"	20°♁05'09"	05°≈06'02"	28°♁05'49"	17°♁47'07"	03°♁17'23"	04°♁35'04" R	21°♁03'32" R	
1985-03-03	13°≈21'09"	12°≈01'29"	21°≈57'28"	19°♁59'15"	20°♁49'21"	05°≈18'43"	28°♁06'22"	17°♁48'13"	03°♁18'29"	04°♁34'15" R	20°♁58'59" R	
1985-03-04	26°≈51'07"	13°≈01'38"	23°≈50'44"	20°♁22'10"	21°♁33'29"	05°≈31'20"	28°♁06'48"	17°♁49'16"	03°♁19'34"	04°♁33'24" R	20°♁51'54" R	
1985-03-05	10°♁50'17"	14°≈01'44"	25°≈43'04"	20°♁43'12"	22°♁17'35"	05°≈43'53"	28°♁07'09"	17°♁50'16"	03°♁20'37"	04°♁32'31" R	20°♁42'41" R	
1985-03-06	25°♁16'31"	15°≈01'49"	27°≈34'06"	21°♁02'17"	23°♁01'39"	05°≈56'22"	28°♁07'24"	17°♁51'13"	03°♁21'38"	04°♁31'37" R	20°♁32'11" R	
1985-03-07	10°♁04'24"	16°≈01'52"	29°≈23'28"	21°♁19'22"	23°♁45'39"	06°≈08'47"	28°♁07'32"	17°♁52'06"	03°♁22'37"	04°♁30'40" R	20°♁21'28" R	
1985-03-08	25°♁05'48"	17°≈01'52"	01°♁10'44"	21°♁34'22"	24°♁29'37"	06°≈21'08"	28°♁07'34" R	17°♁52'56"	03°♁23'34"	04°♁29'42" R	20°♁11'37" R	
1985-03-09	10°≈11'00"	18°≈01'51"	02°≈55'25"	21°♁47'14"	25°♁13'32"	06°≈33'25"	28°♁07'30" R	17°♁53'43"	03°♁24'29"	04°♁28'42" R	20°♁03'34" R	
1985-03-10	25°♁10'26"	19°≈01'48"	04°♁37'03"	21°♁57'55"	25°♁57'25"	06°≈45'38"	28°♁07'20" R	17°♁54'27"	03°♁25'22"	04°♁27'41" R	19°♁57'49" R	
1985-03-11	09°♁56'12"	20°≈01'44"	06°♁15'07"	22°♁06'22"	26°♁41'15"	06°≈57'46"	28°♁07'04" R	17°♁55'08"	03°♁26'14"	04°♁26'38" R	19°♁54'28" R	
1985-03-12	24°♁22'58"	21°≈01'38"	07°♁49'06"	22°♁12'31"	27°♁25'02"	07°≈09'50"	28°♁06'42" R	17°♁55'46"	03°♁27'03"	04°♁25'33" R	19°♁53'05" R	
1985-03-13	08°♁28'14"	22°≈01'30"	09°♁18'29"	22°♁16'19"	28°♁08'47"	07°≈21'50"	28°♁06'14" R	17°♁56'20"	03°♁27'51"	04°♁24'27" R	19°♁52'54" R	
1985-03-14	22°♁11'46"	23°≈01'21"	10°♁42'45"	22°♁17'45"	28°♁52'30"	07°≈33'44"	28°♁05'40" R	17°♁56'52"	03°♁28'37"	04°♁23'19" R	19°♁52'54" R	
1985-03-15	05°♁34'59"	24°≈01'09"	12°♁01'25"	22°♁16'46" R	29°♁36'10"	07°≈45'35"	28°♁05'00" R	17°♁57'20"	03°♁29'21"	04°♁22'10" R	19°♁52'05" R	
1985-03-16	18°♁40'04"	25°≈00'57"	13°♁13'59"	22°♁13'21" R	00°♁19'48"	07°≈57'20"	28°♁04'14" R	17°♁57'45"	03°♁30'03"	04°♁20'59" R	19°♁49'37" R	
1985-03-17	01°≈29'25"	26°≈00'42"	14°♁20'04"	22°♁07'27" R	01°♁03'23"	08°≈09'01"	28°♁03'21" R	17°♁58'07"	03°♁30'43"	04°♁19'47" R	19°♁45'01" R	
1985-03-18	14°≈05'20"	27°≈00'26"	15°♁19'14"	21°♁59'04" R	01°♁46'55"	08°≈20'36"	28°♁02'23" R	17°♁58'25"	03°♁31'21"	04°♁18'33" R	19°♁38'17" R	
1985-03-19	26°≈29'46"	28°≈00'08"	16°♁11'10"	21°♁48'12" R	02°♁30'25"	08°≈32'06"	28°♁01'19" R	17°♁58'41"	03°♁31'57"	04°♁17'17" R	19°♁29'48" R	
1985-03-20	08°≈44'20"	28°≈59'48"	16°♁55'35"	21°♁34'51" R	03°♁13'52"	08°≈43'31"	28°♁00'09" R	17°♁58'53"	03°♁32'31"	04°♁16'01" R	19°♁20'24" R	
1985-03-21	20°≈50'22"	29°≈59'26"	17°♁32'15"	21°♁19'04" R	03°♁57'17"	08°≈54'51"	27°♁58'52" R	17°♁59'02"	03°♁33'02"	04°♁14'43" R	19°♁11'01" R	
1985-03-22	02°♁49'07"	00°♁59'02"	18°♁01'01"	21°♁00'52" R	04°♁40'39"	09°≈06'05"	27°♁57'30" R	17°♁59'07"	03°♁33'32"	04°♁13'23" R	19°♁02'42" R	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1985-03-23	14°0'41'58"	01°0'58'36"	18°0'21'48"	20°0'40'18"R	05°0'23'58"	09°0'17'14"	27°0'0'56'03"R	17°0'0'59'10"	03°0'0'34'00"	04°0'0'12'02"R	18°0'0'56'14"R	18°0'0'59'18"R
1985-03-24	26°0'0'30'40"	02°0'0'58'08"	18°0'0'34'35"	20°0'0'17'27"R	06°0'0'07'15"	09°0'0'28'17"	27°0'0'0'54'29"R	17°0'0'0'59'09"R	03°0'0'0'34'26"	04°0'0'0'10'40"R	18°0'0'0'52'08"R	18°0'0'0'52'08"R
1985-03-25	08°0'0'17'32"	03°0'0'57'37"	18°0'0'39'27"	19°0'0'52'25"R	06°0'0'0'50'29"	09°0'0'0'39'15"	27°0'0'0'52'50"R	17°0'0'0'59'05"R	03°0'0'0'34'50"	04°0'0'0'09'17"R	18°0'0'0'50'28"R	18°0'0'0'50'28"R
1985-03-26	20°0'0'05'31"	04°0'0'57'05"	18°0'0'36'35"R	19°0'0'25'17"R	07°0'0'0'33'40"	09°0'0'0'50'06"	27°0'0'0'51'05"R	17°0'0'0'58'58"R	03°0'0'0'35'12"	04°0'0'0'07'53"R	18°0'0'0'50'53"R	18°0'0'0'50'53"R
1985-03-27	01°0'0'0'58'14"	05°0'0'56'31"	18°0'0'26'15"R	18°0'0'56'12"R	08°0'0'0'16'49"	10°0'0'0'00'52"	27°0'0'0'49'15"R	17°0'0'0'58'48"R	03°0'0'0'35'32"	04°0'0'0'06'28"R	18°0'0'0'52'41"R	18°0'0'0'52'41"R
1985-03-28	13°0'0'0'59'54"	06°0'0'55'54"	18°0'0'08'50"R	18°0'0'25'19"R	08°0'0'0'59'55"	10°0'0'0'11'32"	27°0'0'0'47'19"R	17°0'0'0'58'34"R	03°0'0'0'35'50"	04°0'0'0'05'01"R	18°0'0'0'54'59"R	18°0'0'0'54'59"R
1985-03-29	26°0'0'0'15'09"	07°0'0'55'15"	17°0'0'44'48"R	17°0'0'52'47"R	09°0'0'0'42'59"	10°0'0'0'22'06"	27°0'0'0'45'17"R	17°0'0'0'58'18"R	03°0'0'0'36'06"	04°0'0'0'03'34"R	18°0'0'0'56'50"R	18°0'0'0'56'50"R
1985-03-30	08°0'0'0'48'49"	08°0'0'54'33"	17°0'0'14'46"R	17°0'0'18'49"R	10°0'0'0'25'59"	10°0'0'0'32'34"	27°0'0'0'43'11"R	17°0'0'0'57'59"R	03°0'0'0'36'20"	04°0'0'0'02'05"R	18°0'0'0'57'27"R	18°0'0'0'57'27"R
1985-03-31	21°0'0'0'45'28"	09°0'0'53'50"	16°0'0'39'26"R	16°0'0'43'35"R	11°0'0'0'08'57"	10°0'0'0'42'55"	27°0'0'0'40'59"R	17°0'0'0'57'36"R	03°0'0'0'36'32"	04°0'0'0'00'36"R	18°0'0'0'56'21"R	18°0'0'0'56'21"R
1985-04-01	05°0'0'0'08'55"	10°0'0'53'04"	15°0'0'59'35"R	16°0'0'07'20"R	11°0'0'0'51'52"	10°0'0'0'53'10"	27°0'0'0'38'42"R	17°0'0'0'57'10"R	03°0'0'0'36'41"	03°0'0'0'59'05"R	18°0'0'0'53'23"R	18°0'0'0'53'23"R
1985-04-02	19°0'0'0'01'18"	11°0'0'52'15"	15°0'0'16'05"R	15°0'0'30'17"R	12°0'0'0'34'43"	11°0'0'0'03'19"	27°0'0'0'36'19"R	17°0'0'0'56'42"R	03°0'0'0'36'49"	03°0'0'0'57'34"R	18°0'0'0'48'48"R	18°0'0'0'48'48"R
1985-04-03	03°0'0'0'00'22'18"	12°0'0'51'24"	14°0'0'29'52"R	14°0'0'52'41"R	13°0'0'0'17'32"	11°0'0'0'13'21"	27°0'0'0'33'51"R	17°0'0'0'56'10"R	03°0'0'0'36'55"	03°0'0'0'56'01"R	18°0'0'0'43'08"R	18°0'0'0'43'08"R
1985-04-04	18°0'0'0'08'28"	13°0'0'50'31"	13°0'0'41'56"R	14°0'0'14'48"R	14°0'0'0'00'19"	11°0'0'0'23'16"	27°0'0'0'31'49"R	17°0'0'0'55'35"R	03°0'0'0'36'59"	03°0'0'0'54'28"R	18°0'0'0'37'08"R	18°0'0'0'37'08"R
1985-04-05	03°0'0'0'0'31'12"	14°0'0'49'36"	12°0'0'53'14"R	13°0'0'36'52"R	14°0'0'0'43'02"	11°0'0'0'33'05"	27°0'0'0'28'41"R	17°0'0'0'54'57"R	03°0'0'0'37'01"	03°0'0'0'52'54"R	18°0'0'0'31'34"R	18°0'0'0'31'34"R
1985-04-06	18°0'0'0'0'27'24"	15°0'0'48'39"	12°0'0'04'44"R	12°0'0'59'10"R	15°0'0'0'25'42"	11°0'0'0'42'46"	27°0'0'0'25'59"R	17°0'0'0'54'16"R	03°0'0'0'37'01"R	03°0'0'0'51'19"R	18°0'0'0'27'03"R	18°0'0'0'27'03"R
1985-04-07	03°0'0'0'0'40'48"	16°0'0'47'39"	11°0'0'17'22"R	12°0'0'21'56"R	16°0'0'0'08'20"	11°0'0'0'52'22"	27°0'0'0'23'11"R	17°0'0'0'53'32"R	03°0'0'0'36'58"R	03°0'0'0'49'44"R	18°0'0'0'24'02"R	18°0'0'0'24'02"R
1985-04-08	18°0'0'0'0'43'39"	17°0'0'46'38"	10°0'0'31'58"R	11°0'0'45'27"R	16°0'0'0'50'55"	12°0'0'0'01'50"	27°0'0'0'20'19"R	17°0'0'0'52'46"R	03°0'0'0'36'54"R	03°0'0'0'48'08"R	18°0'0'0'22'36"R	18°0'0'0'22'36"R
1985-04-09	03°0'0'0'0'28'09"	18°0'0'45'35"	09°0'0'49'18"R	11°0'0'09'55"R	17°0'0'0'33'28"	12°0'0'0'11'11"	27°0'0'0'17'23"R	17°0'0'0'51'56"R	03°0'0'0'36'48"R	03°0'0'0'46'31"R	18°0'0'0'22'34"R	18°0'0'0'22'34"R
1985-04-10	17°0'0'0'0'49'14"	19°0'0'44'30"	09°0'0'10'02"R	10°0'0'35'35"R	18°0'0'0'15'57"	12°0'0'0'20'25"	27°0'0'0'14'22"R	17°0'0'0'51'04"R	03°0'0'0'36'41"R	03°0'0'0'44'54"R	18°0'0'0'23'29"R	18°0'0'0'23'29"R
1985-04-11	01°0'0'0'0'54'40"	20°0'0'43'24"	08°0'0'34'43"R	10°0'0'02'40"R	18°0'0'0'58'25"	12°0'0'0'29'32"	27°0'0'0'11'16"R	17°0'0'0'50'09"R	03°0'0'0'36'31"R	03°0'0'0'43'16"R	18°0'0'0'24'45"R	18°0'0'0'24'45"R
1985-04-12	15°0'0'0'0'14'41"	21°0'0'42'15"	08°0'0'03'49"R	09°0'0'31'20"R	19°0'0'0'40'49"	12°0'0'0'38'32"	27°0'0'0'08'06"R	17°0'0'0'49'10"R	03°0'0'0'36'19"R	03°0'0'0'41'37"R	18°0'0'0'25'46"R	18°0'0'0'25'46"R
1985-04-13	28°0'0'0'0'21'08"	22°0'0'41'05"	07°0'0'37'40"R	09°0'0'01'46"R	20°0'0'0'23'11"	12°0'0'0'47'24"	27°0'0'0'04'52"R	17°0'0'0'48'10"R	03°0'0'0'36'05"R	03°0'0'0'39'59"R	18°0'0'0'26'03"R	18°0'0'0'26'03"R
1985-04-14	11°0'0'0'0'06'58"	23°0'0'39'54"	07°0'0'16'31"R	08°0'0'34'07"R	21°0'0'0'05'31"	12°0'0'0'56'08"	27°0'0'0'01'34"R	17°0'0'0'47'06"R	03°0'0'0'35'50"R	03°0'0'0'38'19"R	18°0'0'0'25'17"R	18°0'0'0'25'17"R
1985-04-15	23°0'0'0'0'35'32"	24°0'0'38'40"	07°0'0'00'31"R	08°0'0'08'30"R	21°0'0'0'47'47"	13°0'0'0'04'45"	26°0'0'0'58'11"R	17°0'0'0'45'59"R	03°0'0'0'35'32"R	03°0'0'0'36'39"R	18°0'0'0'23'26"R	18°0'0'0'23'26"R
1985-04-16	05°0'0'0'0'50'16"	25°0'0'37'25"	06°0'0'49'45"R	07°0'0'45'03"R	22°0'0'0'30'02"	13°0'0'0'13'14"	26°0'0'0'54'44"R	17°0'0'0'44'50"R	03°0'0'0'35'12"R	03°0'0'0'34'59"R	18°0'0'0'20'42"R	18°0'0'0'20'42"R
1985-04-17	17°0'0'0'0'54'25"	26°0'0'36'08"	06°0'0'44'14"R	07°0'0'23'51"R	23°0'0'0'12'13"	13°0'0'0'21'35"	26°0'0'0'51'13"R	17°0'0'0'43'38"R	03°0'0'0'34'51"R	03°0'0'0'33'18"R	18°0'0'0'17'30"R	18°0'0'0'17'30"R
1985-04-18	29°0'0'0'0'50'52"	27°0'0'34'49"	06°0'0'43'56"	07°0'0'04'57"R	23°0'0'0'54'22"	13°0'0'0'29'48"	26°0'0'0'47'39"R	17°0'0'0'42'23"R	03°0'0'0'34'27"R	03°0'0'0'31'37"R	18°0'0'0'14'19"R	18°0'0'0'14'19"R
1985-04-19	11°0'0'0'0'42'08"	28°0'0'33'28"	06°0'0'48'46"	06°0'0'48'26"R	24°0'0'0'36'29"	13°0'0'0'37'53"	26°0'0'0'44'01"R	17°0'0'0'41'05"R	03°0'0'0'34'02"R	03°0'0'0'29'56"R	18°0'0'0'11'39"R	18°0'0'0'11'39"R
1985-04-20	23°0'0'0'0'30'31"	29°0'0'32'06"	06°0'0'58'36"	06°0'0'34'20"R	25°0'0'0'18'33"	13°0'0'0'45'49"	26°0'0'0'40'19"R	17°0'0'0'39'45"R	03°0'0'0'33'34"R	03°0'0'0'28'14"R	18°0'0'0'09'53"R	18°0'0'0'09'53"R
1985-04-21	05°0'0'0'0'18'06"	00°0'0'0'30'41"	07°0'0'13'18"	06°0'0'22'39"R	26°0'0'0'00'34"	13°0'0'0'53'38"	26°0'0'0'36'34"R	17°0'0'0'38'23"R	03°0'0'0'33'05"R	03°0'0'0'26'33"R	18°0'0'0'09'13"R	18°0'0'0'09'13"R
1985-04-22	17°0'0'0'0'07'03"	01°0'0'0'29'15"	07°0'0'32'43"	06°0'0'13'25"R	26°0'0'0'42'33"	14°0'0'0'01'18"	26°0'0'0'32'45"R	17°0'0'0'36'57"R	03°0'0'0'32'34"R	03°0'0'0'24'51"R	18°0'0'0'09'39"R	18°0'0'0'09'39"R
1985-04-23	28°0'0'0'0'59'42"	02°0'0'27'46"	07°0'0'56'41"	06°0'0'06'36"R	27°0'0'0'24'29"	14°0'0'0'08'49"	26°0'0'0'28'53"R	17°0'0'0'35'30"R	03°0'0'0'32'01"R	03°0'0'0'23'09"R	18°0'0'0'10'59"R	18°0'0'0'10'59"R
1985-04-24	10°0'0'0'0'0'58'39"	03°0'0'26'16"	08°0'0'25'00"	06°0'0'02'13"R	28°0'0'0'06'23"	14°0'0'0'16'12"	26°0'0'0'24'59"R	17°0'0'0'34'00"R	03°0'0'0'31'27"R	03°0'0'0'21'28"R	18°0'0'0'12'51"R	18°0'0'0'12'51"R
1985-04-25	23°0'0'0'0'06'47"	04°0'0'24'44"	08°0'0'57'30"	06°0'0'00'14"R	28°0'0'0'48'14"	14°0'0'0'23'26"	26°0'0'0'21'01"R	17°0'0'0'32'27"R	03°0'0'0'30'51"R	03°0'0'0'19'46"R	18°0'0'0'14'49"R	18°0'0'0'14'49"R
1985-04-26	05°0'0'0'0'0'27'20"	05°0'0'23'10"	09°0'0'34'01"	06°0'0'00'36"	29°0'0'0'30'02"	14°0'0'0'30'31"	26°0'0'0'17'01"R	17°0'0'0'30'53"R	03°0'0'0'30'13"R	03°0'0'0'18'04"R	18°0'0'0'16'29"R	18°0'0'0'16'29"R
1985-04-27	18°0'0'0'0'03'47"	06°0'0'21'33"	10°0'0'14'23"	06°0'0'03'18"	00°0'0'0'11'48"	14°0'0'0'37'28"	26°0'0'0'12'57"R	17°0'0'0'29'16"R	03°0'0'0'29'33"R	03°0'0'0'16'23"R	18°0'0'0'17'33"R	18°0'0'0'17'33"R
1985-04-28	00°0'0'0'0'0'59'37"	07°0'0'19'55"	10°0'0'58'24"	06°0'0'08'17"	00°0'0'0'53'31"	14°0'0'0'44'15"	26°0'0'0'08'52"R	17°0'0'0'27'36"R	03°0'0'0'28'51"R	03°0'0'0'14'41"R	18°0'0'0'17'48"R	18°0'0'0'17'48"R
1985-04-29	14°0'0'0'0'0'17'56"	08°0'0'18'14"	11°0'0'45'57"	06°0'0'15'30"	01°0'0'0'35'11"	14°0'0'0'50'54"	26°0'0'0'04'43"R	17°0'0'0'25'55"R	03°0'0'0'28'08"R	03°0'0'0'13'00"R	18°0'0'0'17'16"R	18°0'0'0'17'16"R
1985-04-30	28°0'0'0'0'01'00"	09°0'0'16'31"	12°0'0'36'51"	06°0'0'24'53"	02°0'0'0'16'49"	14°0'0'0'57'23"	26°0'0'0'00'33"R	17°0'0'0'24'11"R	03°0'0'0'27'23"R	03°0'0'0'11'19"R	18°0'0'0'16'04"R	18°0'0'0'16'04"R
1985-05-01	12°0'0'0'0'09'29"	10°0'0'14'46"	13°0'0'31'00"	06°0'0'36'23"	02°0'0'0'58'24"	15°0'0'0'03'43"	25°0'0'0'56'20"R	17°0'0'0'22'25"R	03°0'0'0'26'36"R	03°0'0'0'09'38"R	18°0'0'0'14'27"R	18°0'0'0'14'27"R
1985-05-02	26°0'0'0'0'04'53"	11°0'0'12'59"	14°0'0'28'14"	06°0'0'49'58"	03°0'0'0'39'56"	15°0'0'0'09'53"	25°0'0'0'52'05"R	17°0'0'0'20'36"R	03°0'0'0'25'47"R	03°0'0'0'07'57"R	18°0'0'0'12'40"R	18°0'0'0'12'40"R
1985-05-03	11°0'0'0'0'0'34'10"	12°0'0'11'10"	15°0'0'28'27"	07°0'0'05'33"	04°0'0'0'21'25"	15°0'0'0'15'54"	25°0'0'0'47'48"R	17°0'0'0'18'46"R	03°0'0'0'24'57"R	03°0'0'0'06'17"R	18°0'0'0'10'59"R	18°0'0'0'10'59"R
1985-05-04	26°0'0'0'0'0'39'40"	13°0'0'09'20"	16°0'0'31'31"	07°0'0'23'06"	05°0'0'0'02'52"	15°0'0'0'21'46"	25°0'0'0'43'30"R	17°0'0'0'16'54"R	03°0'0'0'24'05"R	03°0'0'0'04'37"R	18°0'0'0'09'36"R	18°0'0'0'09'36"R
1985-05-05	11°0'0'0'0'0'49'51"	14°0'0'07'27"	17°0'0'37'23"	07°0'0'42'32"	05°0'0'0'44'16"	15°0'0'0'27'28"	25°0'0'0'39'10"R	17°0'0'0'15'00"R	03°0'0'0'23'12"R	03°0'0'0'02'57"R	18°0'0'0'08'36"R	18°0'0'0'08'36"R
1985-05-06	26°0'0'0'0'0'55'24"	15°0'0'05'33"	18°0'0'45'54"	08°0'0'03'47"	06°0'0'0'25'38"	15°0'0'0'33'01"	25°0'0'0'34'48"R	17°0'0'0'13'04"R	03°0'0'0'22'17"R	03°0'0'0'01'18"R	18°0'0'0'07'59"R	18°0'0'0'07'59"R
1985-05-07	11°0'0'0'0'0'47'29"	16°0'0'03'37"	19°0'0'57'01"	08°0'0'26'49"	07°0'0'0'06'57"	15°0'0'0'38'24"	25°0'0'0'30'25"R	17°0'0'0'11'06"R	03°0'0'0'21'21"R	02°0'0'0'59'39"R	18°0'0'0'07'41"R	18°0'0'0'07'41"R
1985-05-08	26°0'0'0'0'0'19'06"	17°0'0'01'40"	21°0'0'10'40"	08°0'0'51'34"	07°0'0'0'48'14"	15°0'0'0'43'37"	25°0'0'0'26'01"R	17°0'0'0'09'06"R	03°0'0'0'20'23"R	02°0'0'0'58'01"R	18°0'0'0'07'34"R	18°0'0'0'07'34"R
1985-05-09	10°0'0'0'0'0'25'42"	1										

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♁ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1985-05-15	26°48'25"	23°47'20"	00°52'03"	12°27'36"	12°36'05"	16°15'27"	24°54'46" R	16°54'22" R	03°12'56" R	02°46'52" R	18°10'26"	
1985-05-16	08°40'23"	24°45'12"	02°24'04"	13°03'54"	13°17'03"	16°19'18"	24°50'16" R	16°42'09" R	03°11'47" R	02°45'19" R	18°11'50"	
1985-05-17	20°28'18"	25°43'03"	03°58'15"	13°41'23"	13°57'58"	16°22'58"	24°45'46" R	16°49'55" R	03°10'36" R	02°43'47" R	18°13'22"	
1985-05-18	02°15'33"	26°40'52"	05°34'36"	14°20'02"	14°38'52"	16°26'28"	24°41'17" R	16°47'40" R	03°09'24" R	02°42'16" R	18°14'52"	
1985-05-19	14°05'06"	27°38'41"	07°13'07"	14°59'46"	15°19'43"	16°29'47"	24°36'47" R	16°45'24" R	03°08'10" R	02°40'46" R	18°16'03"	
1985-05-20	25°59'31"	28°36'28"	08°53'46"	15°40'35"	16°00'32"	16°32'55"	24°32'18" R	16°43'06" R	03°06'56" R	02°39'17" R	18°16'42"	
1985-05-21	08°00'59"	29°34'13"	10°36'35"	16°22'24"	16°41'18"	16°35'52"	24°27'50" R	16°40'48" R	03°05'40" R	02°37'48" R	18°16'39" R	
1985-05-22	20°11'27"	00°11'57"	12°21'33"	17°05'12"	17°22'03"	16°38'39"	24°23'22" R	16°38'28" R	03°04'23" R	02°36'21" R	18°15'51" R	
1985-05-23	02°32'38"	01°29'40"	14°08'40"	17°48'56"	18°02'45"	16°41'14"	24°18'55" R	16°36'08" R	03°03'05" R	02°34'55" R	18°14'24" R	
1985-05-24	15°06'11"	02°27'22"	15°57'55"	18°33'34"	18°43'25"	16°43'38"	24°14'29" R	16°33'46" R	03°01'46" R	02°33'30" R	18°12'28" R	
1985-05-25	27°53'44"	03°25'02"	17°49'18"	19°19'03"	19°24'02"	16°45'51"	24°10'04" R	16°31'24" R	03°00'26" R	02°32'07" R	18°10'22" R	
1985-05-26	10°56'58"	04°22'40"	19°42'48"	20°05'23"	20°04'37"	16°47'53"	24°05'41" R	16°29'01" R	02°59'04" R	02°30'44" R	18°08'26" R	
1985-05-27	24°17'26"	05°12'17"	21°38'23"	20°52'31"	20°45'10"	16°49'44"	24°01'18" R	16°26'37" R	02°57'42" R	02°29'23" R	18°06'56" R	
1985-05-28	07°56'21"	06°17'53"	23°36'02"	21°40'24"	21°25'40"	16°51'23"	23°56'58" R	16°24'12" R	02°56'18" R	02°28'02" R	18°06'01" R	
1985-05-29	21°54'16"	07°15'26"	25°35'40"	22°29'02"	22°06'08"	16°52'51"	23°52'38" R	16°21'46" R	02°54'54" R	02°26'43" R	18°05'43" R	
1985-05-30	06°10'38"	08°12'59"	27°37'14"	23°18'23"	22°46'34"	16°54'07"	23°48'21" R	16°19'21" R	02°53'29" R	02°25'25" R	18°05'51"	
1985-05-31	20°43'25"	09°10'30"	29°40'39"	24°08'25"	23°26'57"	16°55'13"	23°44'06" R	16°16'54" R	02°52'03" R	02°24'09" R	18°06'08"	
1985-06-01	05°28'48"	10°08'00"	01°45'47"	24°59'08"	24°07'18"	16°56'07"	23°39'52" R	16°14'27" R	02°50'36" R	02°22'54" R	18°06'11" R	
1985-06-02	20°21'08"	11°05'28"	03°52'32"	25°50'29"	24°47'37"	16°56'49"	23°35'41" R	16°12'00" R	02°49'08" R	02°21'40" R	18°05'38" R	
1985-06-03	05°13'21"	12°02'56"	06°00'42"	26°42'27"	25°27'54"	16°57'21"	23°31'32" R	16°09'33" R	02°47'39" R	02°20'28" R	18°04'12" R	
1985-06-04	19°57'48"	13°00'23"	08°10'08"	27°35'01"	26°08'09"	16°57'41"	23°27'26" R	16°07'05" R	02°46'10" R	02°19'17" R	18°04'17" R	
1985-06-05	04°27'13"	13°57'48"	10°20'35"	28°28'11"	26°48'21"	16°57'50"	23°23'22" R	16°04'38" R	02°44'40" R	02°18'07" R	17°58'29" R	
1985-06-06	18°35'48"	14°55'13"	12°31'51"	29°21'54"	27°28'32"	16°57'47" R	23°19'21" R	16°02'10" R	02°43'10" R	02°17'00" R	17°54'39" R	
1985-06-07	02°19'54"	15°52'37"	14°43'39"	00°16'09"	28°08'40"	16°57'33" R	23°15'22" R	15°59'42" R	02°41'38" R	02°15'53" R	17°50'46" R	
1985-06-08	15°38'14"	16°50'01"	16°55'44"	01°10'56"	28°48'46"	16°57'07" R	23°11'26" R	15°57'14" R	02°40'06" R	02°14'48" R	17°47'23" R	
1985-06-09	28°31'45"	17°47'23"	19°07'49"	02°06'13"	29°28'51"	16°56'30" R	23°07'33" R	15°54'46" R	02°38'34" R	02°13'45" R	17°45'01" R	
1985-06-10	11°40'09"	18°44'45"	21°19'38"	03°01'58"	00°08'53"	16°55'41" R	23°03'43" R	15°52'18" R	02°37'01" R	02°12'43" R	17°44'03" R	
1985-06-11	23°16'23"	19°42'07"	23°30'55"	03°58'12"	00°48'53"	16°54'41" R	22°59'56" R	15°49'50" R	02°35'27" R	02°11'42" R	17°44'34" R	
1985-06-12	05°16'10"	20°39'28"	25°41'24"	04°54'53"	01°28'52"	16°53'29" R	22°56'13" R	15°47'22" R	02°33'53" R	02°10'43" R	17°46'24" R	
1985-06-13	17°07'28"	21°36'49"	27°50'51"	05°52'00"	02°08'49"	16°52'06" R	22°52'33" R	15°44'55" R	02°32'18" R	02°09'46" R	17°49'06" R	
1985-06-14	28°55'08"	22°34'09"	29°59'03"	06°49'32"	02°48'43"	16°50'32" R	22°48'56" R	15°42'28" R	02°30'43" R	02°08'51" R	17°45'15" R	
1985-06-15	10°43'45"	23°31'28"	02°05'48"	07°47'28"	03°28'37"	16°48'46" R	22°45'23" R	15°40'01" R	02°29'07" R	02°07'57" R	17°45'14" R	
1985-06-16	22°37'18"	24°28'48"	04°10'56"	08°45'47"	04°08'28"	16°46'48" R	22°41'54" R	15°37'35" R	02°27'31" R	02°07'05" R	17°45'11" R	
1985-06-17	04°39'08"	25°26'07"	06°14'18"	09°44'29"	04°58'17"	16°44'40" R	22°38'29" R	15°35'09" R	02°25'55" R	02°06'14" R	17°45'11" R	
1985-06-18	16°51'50"	26°23'25"	08°15'47"	10°43'33"	05°28'05"	16°42'20" R	22°35'07" R	15°32'44" R	02°24'19" R	02°05'26" R	17°45'14" R	
1985-06-19	29°17'13"	27°20'43"	10°15'18"	11°42'58"	06°07'51"	16°39'49" R	22°31'50" R	15°30'20" R	02°22'43" R	02°04'39" R	17°46'13" R	
1985-06-20	11°56'14"	28°18'00"	12°12'45"	12°42'43"	06°47'35"	16°37'07" R	22°28'37" R	15°27'57" R	02°21'06" R	02°03'54" R	17°43'40" R	
1985-06-21	24°49'09"	29°15'17"	14°08'05"	13°42'47"	07°27'17"	16°34'15" R	22°25'28" R	15°25'34" R	02°19'29" R	02°03'11" R	17°43'19" R	
1985-06-22	07°55'43"	00°12'34"	16°01'15"	14°43'10"	08°06'57"	16°31'11" R	22°22'23" R	15°23'12" R	02°17'52" R	02°02'30" R	17°42'50" R	
1985-06-23	21°15'24"	01°09'49"	17°52'14"	15°43'52"	08°46'35"	16°27'56" R	22°19'23" R	15°20'51" R	02°16'15" R	02°01'50" R	17°41'34" R	
1985-06-24	04°47'34"	02°07'04"	19°40'58"	16°44'51"	09°26'11"	16°24'31" R	22°16'27" R	15°18'31" R	02°14'38" R	02°01'13" R	17°41'36" R	
1985-06-25	18°31'41"	03°04'19"	21°27'29"	17°46'07"	10°05'46"	16°20'55" R	22°13'36" R	15°16'12" R	02°13'00" R	02°00'37" R	17°41'02" R	
1985-06-26	02°27'11"	04°01'32"	23°11'44"	18°47'41"	10°45'18"	16°17'08" R	22°10'49" R	15°13'54" R	02°11'23" R	02°00'03" R	17°40'56" R	
1985-06-27	16°33'24"	04°58'46"	24°53'44"	19°49'30"	11°24'49"	16°13'12" R	22°08'07" R	15°11'37" R	02°09'46" R	01°59'31" R	17°40'84" R	
1985-06-28	00°49'17"	05°55'58"	26°33'27"	20°51'35"	12°04'18"	16°09'05" R	22°05'30" R	15°09'21" R	02°08'09" R	01°59'01" R	17°40'56" R	
1985-06-29	15°12'56"	06°53'10"	28°10'53"	21°53'56"	12°43'45"	16°04'48" R	22°02'58" R	15°07'07" R	02°06'32" R	01°58'32" R	17°40'87" R	
1985-06-30	29°41'23"	07°50'22"	29°46'03"	22°56'32"	13°23'10"	16°00'22" R	22°00'31" R	15°04'54" R	02°04'56" R	01°58'06" R	17°40'75" R	
1985-07-01	14°10'25"	08°47'33"	01°18'54"	23°59'23"	14°02'34"	15°55'46" R	21°58'08" R	15°02'42" R	02°03'19" R	01°57'42" R	17°40'42" R	
1985-07-02	28°34'48"	09°44'45"	02°49'27"	25°02'29"	14°41'56"	15°51'00" R	21°55'51" R	15°00'32" R	02°01'43" R	01°57'20" R	16°58'54" R	
1985-07-03	12°48'45"	10°41'56"	04°17'40"	26°05'48"	15°21'16"	15°46'05" R	21°53'39" R	14°58'24" R	02°00'08" R	01°56'59" R	16°55'40" R	
1985-07-04	26°46'56"	11°39'07"	05°43'32"	27°09'22"	16°00'35"	15°41'01" R	21°51'32" R	14°56'16" R	01°58'32" R	01°56'41" R	16°43'05" R	
1985-07-05	10°25'10"	12°36'18"	07°07'01"	28°13'09"	16°39'52"	15°35'47" R	21°49'30" R	14°54'11" R	01°56'57" R	01°56'25" R	16°34'00" R	
1985-07-06	23°41'04"	13°33'29"	08°28'05"	29°17'09"	17°29'07"	15°30'25" R	21°47'34" R	14°52'07" R	01°55'22" R	01°56'10" R	16°25'26" R	

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1985-07-07	06°☿34'17"	14°☾30'40"	09°♁46'42"	00°♂21'22"	17°☾58'21"	15°♁24'54"R	21°♂45'42"R	14°♁50'04"R	01°♁53'48"R	01°♂55'58"R	16°♁18'19"R
1985-07-08	19°♁06'23"	15°☾27'51"	11°♁02'49"	01°♂25'48"	18°☾37'33"	15°♁19'14"R	21°♂43'56"R	14°♁48'03"R	01°♁52'14"R	01°♂55'47"R	16°♁13'21"R
1985-07-09	01°♁20'30"	16°☾25'03"	12°♁16'23"	02°♂30'26"	19°☾16'44"	15°♁13'26"R	21°♂42'15"R	14°♁46'04"R	01°♁50'40"R	01°♂55'39"R	16°♁10'49"R
1985-07-10	13°♁20'55"	17°☾22'15"	13°♁27'20"	03°♂35'15"	19°☾55'53"	15°♁07'30"R	21°♂40'40"R	14°♁44'07"R	01°♁49'07"R	01°♂55'32"R	16°♁10'30"
1985-07-11	25°♁12'37"	18°☾19'28"	14°♁35'37"	04°♂40'17"	20°☾35'01"	15°♁01'26"R	21°♂39'10"R	14°♁42'11"R	01°♁47'34"R	01°♂55'27"R	16°♁11'47"
1985-07-12	07°♁00'59"	19°☾16'41"	15°♁41'07"	05°♂45'29"	21°☾14'08"	14°♁55'15"R	21°♂37'45"R	14°♁40'17"R	01°♁46'03"R	01°♂55'25"R	16°♁13'40"
1985-07-13	18°♁51'17"	20°☾13'55"	16°♁43'48"	06°♂50'53"	21°☾53'13"	14°♁48'56"R	21°♂36'26"R	14°♁38'26"R	01°♁44'31"R	01°♂55'25"	16°♁15'01"
1985-07-14	00°♂48'30"	21°☾11'09"	17°♁43'31"	07°♂56'27"	22°☾32'17"	14°♁42'29"R	21°♂35'13"R	14°♁36'36"R	01°♁43'01"R	01°♂55'26"	16°♁14'43"R
1985-07-15	12°♂56'58"	22°☾08'23"	18°♁40'13"	09°♂02'12"	23°☾11'20"	14°♁35'56"R	21°♂34'06"R	14°♁34'49"R	01°♁41'31"R	01°♂55'30"	16°♁11'57"R
1985-07-16	25°♂20'04"	23°☾05'39"	19°♁33'45"	10°♂08'07"	23°☾50'21"	14°♁29'16"R	21°♂33'04"R	14°♁33'03"R	01°♁40'02"R	01°♂55'36"	16°♁06'19"R
1985-07-17	08°☾00'04"	24°☾02'54"	20°♁24'01"	11°♂14'12"	24°☾29'21"	14°♁22'30"R	21°♂32'08"R	14°♁31'20"R	01°♁38'34"R	01°♂55'44"	15°♁57'56"R
1985-07-18	20°☾57'50"	25°☾00'11"	21°♁10'52"	12°♂20'26"	25°☾08'20"	14°♁15'38"R	21°♂31'18"R	14°♁29'39"R	01°♁37'06"R	01°♂55'54"	15°♁47'24"R
1985-07-19	04°♁12'50"	25°☾57'27"	21°♁54'10"	13°♂26'50"	25°☾47'17"	14°♁08'40"R	21°♂30'33"R	14°♁28'00"R	01°♁35'39"R	01°♂56'06"	15°♁35'43"R
1985-07-20	17°♁43'16"	26°☾54'44"	22°♁33'47"	14°♂33'23"	26°☾26'13"	14°♁01'36"R	21°♂29'21"R	14°♁26'23"R	01°♁34'14"R	01°♂56'20"	15°♁24'02"R
1985-07-21	01°♂26'26"	27°☾52'01"	23°♁09'33"	15°♂40'05"	27°☾05'07"	13°♁54'28"R	21°♂29'21"R	14°♁24'49"R	01°♁32'49"R	01°♂56'36"	15°♁13'31"R
1985-07-22	15°♂19'12"	28°☾49'19"	23°♁41'18"	16°♂46'55"	27°☾44'00"	13°♁47'14"R	21°♂28'54"R	14°♁23'17"R	01°♁31'25"R	01°♂56'54"	15°♁05'02"R
1985-07-23	29°♂18'42"	29°☾46'37"	24°♁08'53"	17°♂53'54"	28°☾22'51"	13°♁39'55"R	21°♂28'32"R	14°♁21'47"R	01°♁30'02"R	01°♂57'14"	14°♁59'03"R
1985-07-24	13°♁22'30"	00°♁43'55"	24°♁32'08"	19°♂01'01"	29°☾01'41"	13°♁32'33"R	21°♂28'17"R	14°♁20'20"R	01°♁28'39"R	01°♂57'36"	14°♁55'31"R
1985-07-25	27°♁28'56"	01°♁41'13"	24°♁50'53"	20°♂08'16"	29°☾40'30"	13°♁25'06"R	21°♂28'07"R	14°♁18'55"R	01°♁27'18"R	01°♂58'01"	14°♁53'53"R
1985-07-26	11°♂36'46"	02°♁38'32"	25°♁04'58"	21°♂15'39"	00°♁19'17"	13°♁17'36"R	21°♂28'03"R	14°♁17'33"R	01°♁25'58"R	01°♂58'27"	14°♁53'11"R
1985-07-27	25°♂44'59"	03°♁35'51"	25°♁14'16"	22°♂23'11"	00°♁58'03"	13°♁10'03"R	21°♂28'05"R	14°♁16'13"R	01°♁24'40"R	01°♂58'55"	14°♁52'16"R
1985-07-28	09°♁52'21"	04°♁33'11"	25°♁18'38"	23°♂30'50"	01°♁36'48"	13°♁02'27"R	21°♂28'13"R	14°♁14'56"R	01°♁23'22"R	01°♂59'26"	14°♁50'02"R
1985-07-29	23°♁56'57"	05°♁30'31"	25°♁17'58"R	24°♂38'38"	02°♁15'32"	12°♁54'48"R	21°♂28'27"R	14°♁13'41"R	01°♁22'05"R	01°♂59'58"	14°♁45'38"R
1985-07-30	07°♁56'07"	06°♁27'52"	25°♁12'12"R	25°♂46'33"	02°♁54'14"	12°♁47'07"R	21°♂28'47"R	14°♁12'30"R	01°♁20'50"R	02°♂00'33"	14°♁38'37"R
1985-07-31	21°♁46'30"	07°♁25'13"	25°♁01'18"R	26°♂54'36"	03°♁32'55"	12°♁39'24"R	21°♂29'12"R	14°♁11'20"R	01°♁19'36"R	02°♂01'10"	14°♁29'05"R
1985-08-01	05°♁24'30"	08°♁22'36"	24°♁45'17"R	28°♂02'46"	04°♁11'34"	12°♁31'40"R	21°♂29'44"R	14°♁10'14"R	01°♁18'23"R	02°♂01'48"	14°♁17'39"R
1985-08-02	18°♁46'52"	09°♁19'58"	24°♁24'16"R	29°♂11'04"	04°♁50'13"	12°♁23'54"R	21°♂30'21"R	14°♁09'10"R	01°♁17'12"R	02°♂02'29"	14°♁05'20"R
1985-08-03	01°♁51'20"	10°♁17'22"	23°♁58'21"R	00°♁19'30"	05°♁28'50"	12°♁16'06"R	21°♂31'04"R	14°♁08'08"R	01°♁16'01"R	02°♂03'11"	13°♁53'19"R
1985-08-04	14°♁37'02"	11°♁14'47"	23°♁27'50"R	01°☾28'03"	06°♁07'26"	12°♁08'19"R	21°♂31'52"R	14°♁07'10"R	01°♁14'52"R	02°♂03'56"	13°♁42'47"R
1985-08-05	27°♁04'38"	12°♁12'13"	22°♁53'00"R	02°☾36'43"	06°♁46'01"	12°♁00'30"R	21°♂32'47"R	14°♁06'14"R	01°♁13'44"R	02°♂04'42"	13°♁34'39"R
1985-08-06	09°♁16'19"	13°♁09'40"	22°♁14'17"R	03°☾45'30"	07°♁24'35"	11°♁52'42"R	21°♂33'47"R	14°♁05'20"R	01°♁12'38"R	02°♂05'30"	13°♁29'23"R
1985-08-07	21°♁15'31"	14°♁07'08"	21°♁32'13"R	04°☾54'24"	08°♁03'08"	11°♁44'54"R	21°♂34'53"R	14°♁04'30"R	01°♁11'32"R	02°♂06'21"	13°♁26'55"R
1985-08-08	03°♁06'41"	15°♁04'37"	20°♁47'26"R	06°☾03'26"	08°♁41'41"	11°♁37'07"R	21°♂36'04"R	14°♁03'42"R	01°♁10'29"R	02°♂07'13"	13°♁26'37"R
1985-08-09	14°♁54'53"	16°♁02'08"	20°♁00'38"R	07°☾12'34"	09°♁20'12"	11°♁29'20"R	21°♂37'22"R	14°♁02'58"R	01°♁09'26"R	02°♂08'07"	13°♁23'30"R
1985-08-10	26°♁45'37"	16°♁59'40"	19°♁12'37"R	08°☾21'49"	09°♁58'42"	11°♁21'35"R	21°♂38'45"R	14°♁02'16"R	01°♁08'26"R	02°♂09'04"	13°♁28'19"R
1985-08-11	08°♂44'20"	17°♁57'14"	18°♁24'15"R	09°☾31'11"	10°♁37'11"	11°♁13'52"R	21°♂40'14"R	14°♁01'37"R	01°♁07'26"R	02°♂10'02"	13°♁27'50"R
1985-08-12	20°♂56'11"	18°♁54'49"	17°♁36'26"R	10°☾40'40"	11°♁15'40"	11°♁06'11"R	21°♂41'49"R	14°♁01'01"R	01°♁06'29"R	02°♂11'02"	13°♁25'05"R
1985-08-13	03°☾25'31"	19°♁52'25"	16°♁50'05"R	11°☾50'14"	11°♁54'08"	10°♁58'32"R	21°♂43'30"R	14°♁00'29"R	01°♁05'33"R	02°♂12'04"	13°♁19'31"R
1985-08-14	16°☾15'32"	20°♁50'03"	16°♁06'09"R	12°☾59'56"	12°♁32'34"	10°♁50'55"R	21°♂45'16"R	13°♁59'59"R	01°♁04'38"R	02°♂13'08"	13°♁11'08"R
1985-08-15	29°☾27'45"	21°♁47'42"	15°♁25'31"R	14°☾09'43"	13°♁11'00"	10°♁43'22"R	21°♂47'08"R	13°♁59'32"R	01°♁03'45"R	02°♂14'14"	13°♁00'27"R
1985-08-16	13°♁01'47"	22°♁45'22"	14°♁49'02"R	15°☾19'36"	13°♁49'25"	10°♁35'52"R	21°♂49'06"R	13°♁59'08"R	01°♁02'53"R	02°♂15'22"	12°♁48'25"R
1985-08-17	26°♁55'11"	23°♁43'04"	14°♁17'29"R	16°☾29'35"	14°♁27'49"	10°♁28'26"R	21°♂51'09"R	13°♁58'47"R	01°♁02'04"R	02°♂16'32"	12°♁36'12"R
1985-08-18	11°♂03'44"	24°♁40'47"	13°♁51'34"R	17°☾39'40"	15°♁06'12"	10°♁21'04"R	21°♂53'17"R	13°♁58'29"R	01°♁01'15"R	02°♂17'43"	12°♁25'00"R
1985-08-19	25°♂22'06"	25°♁38'31"	13°♁31'53"R	18°☾49'51"	15°♁44'33"	10°♁13'46"R	21°♂55'32"R	13°♁58'14"R	01°♁00'29"R	02°♂18'56"	12°♁15'46"R
1985-08-20	09°☾44'47"	26°♁36'16"	13°♁18'56"R	20°☾00'07"	16°♁22'54"	10°♁06'33"R	21°♂57'51"R	13°♁58'02"R	00°♁59'44"R	02°♂20'11"	12°♁09'03"R
1985-08-21	24°☾06'53"	27°♁34'03"	13°♁13'08"R	21°☾10'29"	17°♁01'14"	09°♁59'25"R	22°♂00'17"R	13°♁57'53"R	00°♁59'00"R	02°♂21'28"	12°♁04'54"R
1985-08-22	08°♂24'45"	28°♁31'50"	13°♁14'47"	22°☾20'56"	17°♁39'33"	09°♁52'22"R	22°♂02'47"R	13°♁57'47"R	00°♁58'19"R	02°♂22'47"	12°♁02'52"R
1985-08-23	22°♂36'00"	29°♁29'39"	13°♁24'05"	23°☾31'28"	18°♁17'51"	09°♁45'26"R	22°♂05'23"R	13°♁57'44"R	00°♁57'39"R	02°♂24'07"	12°♁02'03"R
1985-08-24	06°♁39'24"	00°♂27'29"	13°♁41'11"	24°☾42'06"	18°♁56'08"	09°♁38'35"R	22°♂08'05"R	13°♁57'45"	00°♁57'01"R	02°♂25'29"	12°♁01'22"R
1985-08-25	20°♁34'19"	01°♂25'20"	14°♁06'06"	25°☾52'50"	19°♁34'24"	09°♁31'50"R	22°♂10'52"R	13°♁57'48"	00°♁56'25"R	02°♂26'54"	11°♁59'44"R
1985-08-26	04°♁20'20"	02°♂23'13"	14°♁38'49"	27°☾03'39"	20°♁12'39"	09°♁25'12"R	22°♂13'45"R	13°♁57'55"	00°♁55'51"R	02°♂28'19"	11°♁56'15"R
1985-08-27	17°♁56'48"	03°♂21'06"	15°♁19'12"	28°☾14'33"	20°♁50'53"	09°♁18'41"R	22°♂16'42"R	13°♁58'05"	00°♁55'18"R	02°♂29'47"	11°♁50'27"R
1985-08-28	01°♁22'45"	04°♂19'01"	16°♁07'06"	29°☾25'32"	21°♁29'07"	09°♁12'17"R	22°♂19'45"R	13°♁58'18"	00°♁54'48"R	02°♂31'16"	11°♁42'18"R

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♄ Geo Lon	♃ Geo Lon	♁ Geo Lon	♃ Geo Lon	♃ Geo Lon	♃ Geo Lon	♃ Geo Lon
1985-08-29	14°≈36'55"	05°≈16'57"	17°≈02'16"	00°≈036'36"	22°≈07'19"	09°≈06'00" R _x	22°≈02'53"	13°≈58'34"	00°≈54'19" R _x	02°≈32'47"	11°≈03'19" R _x	11°≈03'19" R _x
1985-08-30	27°≈37'57"	06°≈14'55"	18°≈04'26"	01°≈047'46"	22°≈045'31"	08°≈59'50" R _x	22°≈02'06"	13°≈58'53"	00°≈53'52" R _x	02°≈03'19"	11°≈02'21" R _x	11°≈02'21" R _x
1985-08-31	10°≈24'48"	07°≈12'54"	19°≈013'15"	02°≈059'01"	23°≈023'42"	08°≈53'49" R _x	22°≈02'29"	13°≈59'14"	00°≈53'26" R _x	02°≈03'53"	11°≈10'31" R _x	11°≈10'31" R _x
1985-09-01	22°≈57'03"	08°≈10'55"	20°≈028'19"	04°≈010'21"	24°≈015'52"	08°≈47'55" R _x	22°≈032'46"	13°≈59'39"	00°≈53'03" R _x	02°≈03'28"	11°≈00'54" R _x	11°≈00'54" R _x
1985-09-02	05°≈15'13"	09°≈08'57"	21°≈049'12"	05°≈021'47"	24°≈040'01"	08°≈42'09" R _x	22°≈036'14"	14°≈00'07"	00°≈52'41" R _x	02°≈03'05"	10°≈053'23" R _x	10°≈053'23" R _x
1985-09-03	17°≈20'50"	10°≈07'01"	23°≈015'28"	06°≈033'18"	25°≈018'10"	08°≈36'32" R _x	22°≈039'47"	14°≈00'38"	00°≈52'21" R _x	02°≈04'04"	10°≈048'30" R _x	10°≈048'30" R _x
1985-09-04	29°≈16'30"	11°≈05'07"	24°≈046'36"	07°≈044'53"	25°≈056'18"	08°≈31'03" R _x	22°≈043'25"	14°≈01'13"	00°≈52'03" R _x	02°≈04'24"	10°≈046'16" R _x	10°≈046'16" R _x
1985-09-05	11°≈05'44"	12°≈03'15"	26°≈022'06"	08°≈056'34"	26°≈034'25"	08°≈25'43" R _x	22°≈047'08"	14°≈01'50"	00°≈51'47" R _x	02°≈04'06"	10°≈046'15"	10°≈046'15"
1985-09-06	22°≈52'53"	13°≈01'25"	28°≈012'27"	10°≈08'20"	27°≈012'32"	08°≈20'33" R _x	22°≈050'55"	14°≈02'30"	00°≈51'33" R _x	02°≈04'59"	10°≈047'38"	10°≈047'38"
1985-09-07	04°≈42'52"	13°≈05'37"	29°≈044'08"	11°≈020'11"	27°≈050'38"	08°≈15'31" R _x	22°≈054'48"	14°≈03'14"	00°≈51'21" R _x	02°≈04'34"	10°≈049'23"	10°≈049'23"
1985-09-08	16°≈40'59"	14°≈05'51"	01°≈29'39"	12°≈032'07"	28°≈028'44"	08°≈10'39" R _x	22°≈058'45"	14°≈04'00"	00°≈51'11" R _x	02°≈04'20"	10°≈050'25"	10°≈050'25"
1985-09-09	28°≈52'34"	15°≈05'07"	03°≈17'31"	13°≈044'07"	29°≈006'49"	08°≈05'57" R _x	23°≈002'47"	14°≈04'50"	00°≈51'03" R _x	02°≈05'10"	10°≈049'52" R _x	10°≈049'52" R _x
1985-09-10	11°≈22'35"	16°≈05'42"	05°≈07'18"	14°≈056'13"	29°≈044'54"	08°≈01'25" R _x	23°≈006'54"	14°≈05'43"	00°≈50'56" R _x	02°≈05'27"	10°≈047'10" R _x	10°≈047'10" R _x
1985-09-11	24°≈15'10"	17°≈05'46"	06°≈058'33"	16°≈008'23"	00°≈22'58"	07°≈57'02" R _x	23°≈011'05"	14°≈06'39"	00°≈50'52" R _x	02°≈05'48"	10°≈042'12" R _x	10°≈042'12" R _x
1985-09-12	07°≈03'01"	18°≈05'10"	08°≈050'54"	17°≈020'38"	01°≈01'01"	07°≈52'50" R _x	23°≈015'21"	14°≈07'38"	00°≈50'50" R _x	02°≈05'64"	10°≈035'19" R _x	10°≈035'19" R _x
1985-09-13	21°≈16'49"	19°≈049'32"	10°≈044'00"	18°≈032'57"	01°≈039'04"	07°≈48'48" R _x	23°≈019'41"	14°≈08'39"	00°≈50'49"	02°≈05'33"	10°≈027'10" R _x	10°≈027'10" R _x
1985-09-14	05°≈24'48"	20°≈047'58"	12°≈037'33"	19°≈045'20"	02°≈17'06"	07°≈44'57" R _x	23°≈024'06"	14°≈09'44"	00°≈50'51"	03°≈00'27"	10°≈018'39" R _x	10°≈018'39" R _x
1985-09-15	19°≈52'42"	21°≈046'26"	14°≈031'17"	20°≈057'48"	02°≈055'07"	07°≈41'16" R _x	23°≈028'35"	14°≈10'52"	00°≈50'54"	03°≈02'23"	10°≈010'43" R _x	10°≈010'43" R _x
1985-09-16	04°≈34'07"	22°≈044'56"	16°≈024'59"	22°≈010'20"	03°≈033'08"	07°≈37'46" R _x	23°≈033'08"	14°≈12'03"	00°≈51'00"	03°≈04'20"	10°≈004'08" R _x	10°≈004'08" R _x
1985-09-17	19°≈21'33"	23°≈043'27"	18°≈018'27"	23°≈022'56"	04°≈11'08"	07°≈34'26" R _x	23°≈037'46"	14°≈13'17"	00°≈51'07"	03°≈06'19"	09°≈059'23" R _x	09°≈059'23" R _x
1985-09-18	04°≈07'29"	24°≈042'01"	20°≈011'32"	24°≈035'36"	04°≈049'08"	07°≈31'18" R _x	23°≈042'28"	14°≈14'33"	00°≈51'17"	03°≈08'18"	09°≈056'35" R _x	09°≈056'35" R _x
1985-09-19	18°≈45'31"	25°≈040'36"	22°≈004'05"	25°≈048'20"	05°≈027'06"	07°≈28'22" R _x	23°≈047'14"	14°≈15'53"	00°≈51'28"	03°≈10'19"	09°≈055'28" R _x	09°≈055'28" R _x
1985-09-20	03°≈11'00"	26°≈039'13"	23°≈056'00"	27°≈001'08"	06°≈005'04"	07°≈25'36" R _x	23°≈052'05"	14°≈17'16"	00°≈51'41"	03°≈12'21"	09°≈055'28"	09°≈055'28"
1985-09-21	17°≈21'14"	27°≈037'52"	25°≈047'12"	28°≈014'00"	06°≈043'02"	07°≈23'02" R _x	23°≈057'00"	14°≈18'42"	00°≈51'57"	03°≈14'25"	09°≈055'50"	09°≈055'50"
1985-09-22	01°≈15'05"	28°≈036'32"	27°≈037'37"	29°≈026'56"	07°≈020'59"	07°≈20'40" R _x	24°≈001'58"	14°≈20'10"	00°≈52'15"	03°≈16'29"	09°≈055'46" R _x	09°≈055'46" R _x
1985-09-23	14°≈52'36"	29°≈035'14"	29°≈027'12"	00°≈039'55"	07°≈058'55"	07°≈18'29" R _x	24°≈007'01"	14°≈21'42"	00°≈52'34"	03°≈18'35"	09°≈054'40" R _x	09°≈054'40" R _x
1985-09-24	28°≈014'26"	00°≈33'57"	01°≈15'55"	01°≈052'58"	08°≈036'50"	07°≈16'29" R _x	24°≈012'08"	14°≈23'16"	00°≈52'56"	03°≈20'41"	09°≈052'09" R _x	09°≈052'09" R _x
1985-09-25	11°≈21'32"	01°≈32'43"	03°≈03'44"	03°≈006'05"	09°≈014'45"	07°≈14'42" R _x	24°≈017'18"	14°≈24'54"	00°≈53'19"	03°≈22'49"	09°≈048'09" R _x	09°≈048'09" R _x
1985-09-26	24°≈14'48"	02°≈31'30"	04°≈050'38"	04°≈019'15"	09°≈052'39"	07°≈13'05" R _x	24°≈022'32"	14°≈26'34"	00°≈53'44"	03°≈24'57"	09°≈042'59" R _x	09°≈042'59" R _x
1985-09-27	06°≈55'07"	03°≈30'18"	06°≈036'37"	05°≈032'29"	10°≈030'32"	07°≈11'41" R _x	24°≈027'50"	14°≈28'16"	00°≈54'12"	03°≈27'07"	09°≈037'10" R _x	09°≈037'10" R _x
1985-09-28	19°≈23'16"	04°≈29'09"	08°≈021'41"	06°≈045'47"	11°≈008'25"	07°≈10'28" R _x	24°≈033'11"	14°≈30'02"	00°≈54'41"	03°≈29'17"	09°≈031'26" R _x	09°≈031'26" R _x
1985-09-29	01°≈04'06"	05°≈28'01"	10°≈005'50"	07°≈059'08"	11°≈046'17"	07°≈09'27" R _x	24°≈038'36"	14°≈31'50"	00°≈55'12"	03°≈31'28"	09°≈026'28" R _x	09°≈026'28" R _x
1985-09-30	13°≈046'43"	06°≈26'56"	11°≈049'04"	09°≈012'33"	12°≈024'09"	07°≈08'37" R _x	24°≈044'04"	14°≈33'41"	00°≈55'45"	03°≈33'40"	09°≈022'50" R _x	09°≈022'50" R _x
1985-10-01	25°≈044'40"	07°≈25'52"	13°≈031'24"	10°≈026'02"	13°≈002'00"	07°≈07'59" R _x	24°≈049'36"	14°≈35'35"	00°≈56'20"	03°≈35'53"	09°≈020'52" R _x	09°≈020'52" R _x
1985-10-02	07°≈36'00"	08°≈24'51"	15°≈12'51"	11°≈039'34"	13°≈039'51"	07°≈07'34" R _x	24°≈055'12"	14°≈37'31"	00°≈56'57"	03°≈38'07"	09°≈020'35"	09°≈020'35"
1985-10-03	19°≈23'23"	09°≈23'52"	16°≈053'26"	12°≈053'10"	14°≈017'42"	07°≈07'20" R _x	25°≈000'51"	14°≈39'30"	00°≈57'36"	03°≈40'22"	09°≈021'43"	09°≈021'43"
1985-10-04	01°≈10'08"	10°≈22'55"	18°≈033'10"	14°≈006'49"	14°≈055'32"	07°≈07'17" R _x	25°≈006'33"	14°≈41'32"	00°≈58'17"	03°≈42'38"	09°≈023'47"	09°≈023'47"
1985-10-05	13°≈00'09"	11°≈22'00"	20°≈12'04"	15°≈020'31"	15°≈033'21"	07°≈07'27" R _x	25°≈012'18"	14°≈43'36"	00°≈59'00"	03°≈44'54"	09°≈026'10"	09°≈026'10"
1985-10-06	24°≈057'48"	12°≈21'08"	21°≈050'09"	16°≈034'18"	16°≈011'11"	07°≈07'49" R _x	25°≈018'07"	14°≈45'43"	00°≈59'45"	03°≈47'12"	09°≈028'13"	09°≈028'13"
1985-10-07	07°≈07'50"	13°≈20'18"	23°≈027'26"	17°≈048'07"	16°≈049'00"	07°≈08'22" R _x	25°≈023'59"	14°≈47'53"	01°≈00'32"	03°≈49'29"	09°≈029'26"	09°≈029'26"
1985-10-08	19°≈35'02"	14°≈19'30"	25°≈003'56"	19°≈002'00"	17°≈026'48"	07°≈09'08" R _x	25°≈029'54"	14°≈50'05"	01°≈01'21"	03°≈51'48"	09°≈029'28" R _x	09°≈029'28" R _x
1985-10-09	02°≈23'55"	15°≈18'45"	26°≈039'41"	20°≈015'56"	18°≈004'37"	07°≈10'05" R _x	25°≈035'52"	14°≈52'20"	01°≈02'11"	03°≈54'07"	09°≈028'16" R _x	09°≈028'16" R _x
1985-10-10	15°≈038'04"	16°≈18'01"	28°≈14'40"	21°≈029'55"	18°≈042'24"	07°≈11'14" R _x	25°≈041'53"	14°≈54'37"	01°≈03'04"	03°≈56'27"	09°≈025'57" R _x	09°≈025'57" R _x
1985-10-11	29°≈19'36"	17°≈17'20"	29°≈048'55"	22°≈043'57"	19°≈020'11"	07°≈12'35" R _x	25°≈047'58"	14°≈56'56"	01°≈03'58"	03°≈58'48"	09°≈022'54" R _x	09°≈022'54" R _x
1985-10-12	13°≈28'29"	18°≈16'42"	01°≈22'27"	23°≈058'01"	19°≈057'58"	07°≈14'07" R _x	25°≈054'04"	14°≈59'18"	01°≈04'54"	04°≈01'09"	09°≈019'32" R _x	09°≈019'32" R _x
1985-10-13	28°≈01'58"	19°≈16'05"	02°≈55'16"	25°≈012'09"	20°≈035'44"	07°≈15'51" R _x	26°≈000'14"	15°≈01'43"	01°≈05'52"	04°≈03'30"	09°≈016'19" R _x	09°≈016'19" R _x
1985-10-14	12°≈54'36"	20°≈15'31"	04°≈27'23"	26°≈026'20"	21°≈013'30"	07°≈17'47" R _x	26°≈006'26"	15°≈04'09"	01°≈06'52"	04°≈05'52"	09°≈013'37" R _x	09°≈013'37" R _x
1985-10-15	27°≈58'39"	21°≈14'59"	05°≈58'48"	27°≈040'33"	21°≈051'15"	07°≈19'55" R _x	26°≈012'42"	15°≈06'38"	01°≈07'54"	04°≈08'14"	09°≈011'41" R _x	09°≈011'41" R _x
1985-10-16	13°≈05'05"	22°≈14'29"	07°≈29'33"	28°≈054'48"	22°≈029'00"	07°≈22'15" R _x	26°≈018'59"	15°≈09'10"	01°≈08'57"	04°≈10'37"	09°≈010'33" R _x	09°≈010'33" R _x
1985-10-17	28°≈05'00"	23°≈14'00"	08°≈59'36"	00°≈09'07"	23°≈006'44"	07°≈24'46" R _x	26°≈025'20"	15°≈11'44"	01°≈10'03"	04°≈13'01"	09°≈010'08" R _x	09°≈010'08" R _x
1985-10-18	12°≈50'47"	24°≈13'34"	10°≈28'58"	01°≈23'27"	23°≈044'28"	07°≈27'29" R _x	26°≈031'43"	15°≈14'20"	01°≈11'10"	04°≈15'25"	09°≈010'14"	09°≈010'14"
1985-10-19	27°≈16'58"	25°≈13'09"	11°≈57'38"	02°≈37'50"	24°≈022'11"	07°≈30'23" R _x	26°≈038'08"	15°≈16'58"	01°≈12'19"	04°≈17'49"	09°≈010'33" R _x	09°≈010'33" R _x
1985-10-20	11°≈20'37"	26°≈12'47"	13°≈25'37"	03°≈52'15"	24°≈059'53"	07°≈33'29" R _x	26°≈044'36"	15°≈19'39"	01°≈13'30"	04°≈20'13"	09°≈010'52"	09°≈010'52"

Jan 01, 1980 00:00 AM CCT

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1985-10-21	25°vs00'57"	27°±12'26"	14°m.52'54"	05°±06'43"	25°m.37'35"	07°≈36'47"	26°m.51'06"	15°±22'22"	01°vs14'43"	04°m.22'38"	09°810'59"R _x	
1985-10-22	08°≈18'56"	28°±12'06"	16°m.19'27"	06°±21'12"	26°m.15'16"	07°≈40'15"	26°m.57'38"	15°±25'06"	01°vs15'57"	04°m.25'03"	09°810'54"R _x	
1985-10-23	21°≈16'38"	29°±11'48"	17°m.45'15"	07°±35'44"	26°m.52'56"	07°≈43'55"	27°m.04'12"	15°±27'53"	01°vs17'13"	04°m.27'58"	09°810'29"R _x	
1985-10-24	03°≈56'42"	00°m.11'32"	19°m.10'17"	08°±50'17"	27°m.30'36"	07°≈47'46"	27°m.10'48"	15°±30'42"	01°vs18'31"	04°m.29'53"	09°810'01"R _x	
1985-10-25	16°≈21'56"	01°m.11'18"	20°m.34'32"	10°±04'53"	28°m.08'15"	07°≈51'48"	27°m.17'27"	15°±33'33"	01°vs19'50"	04°m.32'19"	09°809'37"R _x	
1985-10-26	28°≈35'05"	02°m.11'05"	21°m.57'56"	11°±19'31"	28°m.45'54"	07°≈56'00"	27°m.24'07"	15°±36'25"	01°vs21'11"	04°m.34'44"	09°809'26"R _x	
1985-10-27	10°m.38'42"	03°m.10'55"	23°m.20'28"	12°±34'10"	29°m.23'32"	08°≈00'24"	27°m.30'49"	15°±39'20"	01°vs22'34"	04°m.37'10"	09°809'34"	
1985-10-28	22°m.35'05"	04°m.10'46"	24°m.42'04"	13°±48'52"	00°±01'10"	08°≈04'58"	27°m.37'33"	15°±42'17"	01°vs23'58"	04°m.39'35"	09°810'03"	
1985-10-29	04°826'22"	05°m.10'38"	26°m.02'40"	15°±03'36"	00°±38'47"	08°≈09'44"	27°m.44'18"	15°±45'15"	01°vs25'24"	04°m.42'01"	09°810'49"	
1985-10-30	16°814'43"	06°m.10'33"	27°m.22'12"	16°±18'21"	01°±16'24"	08°≈14'39"	27°m.51'06"	15°±48'15"	01°vs26'51"	04°m.44'27"	09°811'43"	
1985-10-31	28°802'17"	07°m.10'30"	28°m.40'34"	17°±33'09"	01°±54'00"	08°≈19'46"	27°m.57'55"	15°±51'17"	01°vs28'20"	04°m.46'52"	09°812'35"	
1985-11-01	09°II51'28"	08°m.10'29"	29°m.57'41"	18°±47'58"	02°±31'36"	08°≈25'02"	28°m.04'45"	15°±54'21"	01°vs29'51"	04°m.49'18"	09°813'15"	
1985-11-02	21°II44'58"	09°m.10'30"	01°±13'26"	20°±02'50"	03°±09'12"	08°≈30'29"	28°m.11'37"	15°±57'27"	01°vs31'23"	04°m.51'43"	09°813'38"	
1985-11-03	03°±45'49"	10°m.10'33"	02°±27'40"	21°±17'43"	03°±46'47"	08°≈36'07"	28°m.18'31"	16°±00'34"	01°vs32'57"	04°m.54'09"	09°813'40"R _x	
1985-11-04	15°±57'27"	11°m.10'38"	03°±40'14"	22°±32'38"	04°±24'21"	08°≈41'55"	28°m.25'26"	16°±03'43"	01°vs34'32"	04°m.56'34"	09°813'26"R _x	
1985-11-05	28°±23'37"	12°m.10'45"	04°±50'57"	23°±47'35"	05°±01'56"	08°≈47'52"	28°m.32'23"	16°±06'53"	01°vs36'09"	04°m.58'59"	09°813'02"R _x	
1985-11-06	11°±08'09"	13°m.10'54"	05°±59'37"	25°±02'34"	05°±39'30"	08°≈54'00"	28°m.39'20"	16°±10'06"	01°vs37'47"	05°m.01'24"	09°812'38"R _x	
1985-11-07	24°±14'41"	14°m.11'06"	07°±05'59"	26°±17'34"	06°±17'03"	09°≈00'18"	28°m.46'19"	16°±13'19"	01°vs39'26"	05°m.03'49"	09°812'19"R _x	
1985-11-08	07°m.46'06"	15°m.11'19"	08°±09'48"	27°±32'36"	06°±54'36"	09°≈06'45"	28°m.53'19"	16°±16'34"	01°vs41'07"	05°m.06'13"	09°812'12"R _x	
1985-11-09	21°m.43'56"	16°m.11'34"	09°±10'45"	28°±47'39"	07°±32'08"	09°≈13'22"	29°m.00'20"	16°±19'51"	01°vs42'50"	05°m.08'37"	09°812'13"	
1985-11-10	06°±07'45"	17°m.11'52"	10°±08'29"	00°m.02'44"	08°±09'40"	09°≈20'09"	29°m.07'22"	16°±23'08"	01°vs44'33"	05°m.11'00"	09°812'18"	
1985-11-11	20°±54'34"	18°m.12'11"	11°±02'36"	01°m.17'50"	08°±47'11"	09°≈27'05"	29°m.14'25"	16°±26'28"	01°vs46'18"	05°m.13'23"	09°812'15"R _x	
1985-11-12	05°m.58'35"	19°m.12'32"	11°±52'39"	02°m.32'58"	09°±24'42"	09°≈34'11"	29°m.21'29"	16°±29'48"	01°vs48'04"	05°m.15'46"	09°811'53"R _x	
1985-11-13	21°m.11'36"	20°m.12'55"	12°±38'08"	03°m.48'06"	10°±02'11"	09°≈41'27"	29°m.28'34"	16°±33'10"	01°vs49'52"	05°m.18'08"	09°811'02"R _x	
1985-11-14	06°±23'55"	21°m.13'20"	13°±18'29"	05°m.03'16"	10°±39'41"	09°≈48'51"	29°m.35'39"	16°±36'33"	01°vs51'41"	05°m.20'30"	09°809'39"R _x	
1985-11-15	21°±25'51"	22°m.13'46"	13°±53'06"	06°m.18'28"	11°±17'09"	09°≈56'25"	29°m.42'45"	16°±39'58"	01°vs53'31"	05°m.22'52"	09°807'47"R _x	
1985-11-16	06°vs09'05"	23°m.14'14"	14°±21'19"	07°m.33'40"	11°±54'37"	10°≈04'08"	29°m.49'52"	16°±43'24"	01°vs55'23"	05°m.25'12"	09°805'37"R _x	
1985-11-17	20°vs27'47"	24°m.14'43"	14°±42'24"	08°m.48'53"	12°±32'04"	10°≈12'00"	29°m.56'59"	16°±46'50"	01°vs57'15"	05°m.27'33"	09°803'28"R _x	
1985-11-18	04°≈19'04"	25°m.15'14"	14°±55'37"	10°m.04'06"	13°±09'31"	10°≈20'01"	00°±04'07"	16°±50'18"	01°vs59'09"	05°m.29'52"	09°801'42"R _x	
1985-11-19	17°≈42'48"	26°m.15'45"	15°±00'13"	11°m.19'21"	13°±46'56"	10°≈28'11"	00°±11'15"	16°±53'47"	02°vs01'04"	05°m.32'11"	09°800'40"R _x	
1985-11-20	00°≈41'03"	27°m.16'18"	14°±55'31"R _x	12°m.34'36"	14°±24'20"	10°≈36'29"	00°±18'23"	16°±57'17"	02°vs03'00"	05°m.34'29"	09°800'38"	
1985-11-21	13°≈17'13"	28°m.16'52"	14°±40'51"R _x	13°m.49'52"	15°±01'44"	10°≈44'55"	00°±25'31"	17°±00'47"	02°vs04'57"	05°m.36'47"	09°801'40"	
1985-11-22	25°≈35'29"	29°m.17'28"	14°±15'45"R _x	15°m.05'09"	15°±39'07"	10°≈53'30"	00°±32'40"	17°±04'19"	02°vs06'55"	05°m.39'03"	09°803'39"	
1985-11-23	07°m.40'10"	00°m.18'04"	13°±39'59"R _x	16°m.20'27"	16°±16'29"	11°≈02'13"	00°±39'48"	17°±07'51"	02°vs08'54"	05°m.41'19"	09°806'14"	
1985-11-24	19°m.35'27"	01°±18'42"	12°±53'37"R _x	17°m.35'45"	16°±53'51"	11°≈11'04"	00°±46'57"	17°±11'24"	02°vs10'54"	05°m.43'34"	09°808'56"	
1985-11-25	01°825'07"	02°±19'21"	11°±57'09"R _x	18°m.51'04"	17°±31'11"	11°≈20'04"	00°±54'05"	17°±14'57"	02°vs12'55"	05°m.45'48"	09°811'10"	
1985-11-26	13°812'30"	03°±20'01"	10°±51'33"R _x	20°m.06'23"	18°±08'31"	11°≈29'11"	01°±01'14"	17°±18'32"	02°vs14'57"	05°m.48'01"	09°812'22"	
1985-11-27	25°800'24"	04°±20'42"	09°±38'21"R _x	21°m.21'44"	18°±45'50"	11°≈38'26"	01°±08'22"	17°±22'07"	02°vs17'00"	05°m.50'14"	09°812'08"R _x	
1985-11-28	06°II51'09"	05°±21'25"	08°±19'33"R _x	22°m.37'05"	19°±23'09"	11°≈47'48"	01°±15'30"	17°±25'43"	02°vs19'04"	05°m.52'25"	09°810'16"R _x	
1985-11-29	18°II46'44"	06°±22'09"	06°±57'37"R _x	23°m.52'27"	20°±00'27"	11°≈57'19"	01°±22'38"	17°±29'20"	02°vs21'08"	05°m.54'36"	09°806'49"R _x	
1985-11-30	00°±48'52"	07°±22'55"	05°±35'14"R _x	25°m.07'49"	20°±37'44"	12°≈06'56"	01°±29'45"	17°±32'57"	02°vs23'14"	05°m.56'45"	09°802'10"R _x	
1985-12-01	12°±59'13"	08°±23'42"	04°±15'13"R _x	26°m.23'13"	21°±15'01"	12°≈16'42"	01°±36'53"	17°±36'34"	02°vs25'20"	05°m.58'54"	08°856'51"R _x	
1985-12-02	25°±19'35"	09°±24'30"	03°±00'13"R _x	27°m.38'37"	21°±52'17"	12°≈26'34"	01°±43'59"	17°±40'12"	02°vs27'27"	06°m.01'02"	08°851'34"R _x	
1985-12-03	07°±52'01"	10°±25'19"	01°±52'31"R _x	28°m.54'01"	22°±29'32"	12°≈36'34"	01°±51'05"	17°±43'50"	02°vs29'35"	06°m.03'08"	08°846'55"R _x	
1985-12-04	20°±38'49"	11°±26'10"	00°±53'59"R _x	00°±09'26"	23°±06'46"	12°≈46'41"	01°±58'10"	17°±47'29"	02°vs31'44"	06°m.05'13"	08°843'26"R _x	
1985-12-05	03°m.42'29"	12°±27'02"	00°±05'53"R _x	01°±24'52"	23°±43'59"	12°≈56'54"	02°±05'15"	17°±51'08"	02°vs33'53"	06°m.07'17"	08°841'20"R _x	
1985-12-06	17°m.05'28"	13°±27'56"	29°m.28'59"R _x	02°±40'18"	24°±21'12"	13°≈07'15"	02°±12'19"	17°±54'47"	02°vs36'03"	06°m.09'20"	08°840'33"R _x	
1985-12-07	00°±49'47"	14°±28'51"	29°m.03'32"R _x	03°±55'45"	24°±58'24"	13°≈17'42"	02°±19'21"	17°±58'27"	02°vs38'13"	06°m.11'22"	08°840'43"	
1985-12-08	14°±56'29"	15°±29'47"	28°m.49'24"R _x	05°±11'13"	25°±35'35"	13°≈28'16"	02°±26'23"	18°±02'06"	02°vs40'24"	06°m.13'22"	08°841'13"	
1985-12-09	29°±25'01"	16°±30'44"	28°m.46'09"	06°±26'41"	26°±12'45"	13°≈38'57"	02°±33'24"	18°±05'46"	02°vs42'36"	06°m.15'22"	08°841'21"R _x	
1985-12-10	14°m.12'30"	17°±31'43"	28°m.53'07"	07°±42'09"	26°±49'54"	13°≈49'45"	02°±40'25"	18°±09'26"	02°vs44'48"	06°m.17'20"	08°840'26"R _x	
1985-12-11	29°m.13'26"	18°±32'43"	29°m.09'32"	08°±57'38"	27°±27'02"	14°≈00'39"	02°±47'23"	18°±13'06"	02°vs47'00"	06°m.19'16"	08°838'00"R _x	
1985-12-12	14°±19'54"	19°±33'44"	29°m.34'33"	10°±13'08"	28°±04'09"	14°≈11'39"	02°±54'21"	18°±16'46"	02°vs49'14"	06°m.21'12"	08°833'50"R _x	

Jan 01, 1980 00:00 AM CCT

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1985-12-13	29° 22'30"	20° 34'45"	00° 07'18"	11° 28'37"	28° 41'15"	14° 22'45"	03° 01'18"	18° 20'26"	02° 05'127"	06° 23'06"	08° 02'07"	R
1985-12-14	14° 05'11'48"	21° 35'48"	00° 04'46'59"	12° 44'07"	29° 18'20"	14° 33'58"	03° 08'13"	18° 24'06"	02° 05'53'42"	06° 24'58"	08° 02'21'00"	R
1985-12-15	28° 05'39'49"	22° 36'51"	01° 03'32'50"	13° 05'59'37"	29° 05'55'23"	14° 45'17"	03° 15'07"	18° 27'46"	02° 05'55'56"	06° 26'50"	08° 02'14'14"	R
1985-12-16	12° 41'14"	23° 37'55"	02° 24'05"	15° 15'07"	00° 32'25"	14° 56'41"	03° 21'59"	18° 31'25"	02° 05'58'11"	06° 28'39"	08° 02'07'40"	R
1985-12-17	26° 13'51"	24° 38'59"	03° 20'08"	16° 30'37"	01° 09'26"	15° 08'11"	03° 28'49"	18° 35'05"	03° 00'26"	06° 30'27"	08° 02'02'25"	R
1985-12-18	09° 18'21"	25° 40'03"	04° 20'23"	17° 46'07"	01° 46'26"	15° 19'47"	03° 35'38"	18° 38'44"	03° 02'41"	06° 32'14"	07° 05'59'03"	R
1985-12-19	21° 57'40"	26° 41'08"	05° 24'18"	19° 01'37"	02° 23'24"	15° 31'28"	03° 42'25"	18° 42'22"	03° 04'57"	06° 33'59"	07° 05'57'44"	R
1985-12-20	04° 16'12"	27° 42'13"	06° 31'27"	20° 17'07"	03° 00'20"	15° 43'15"	03° 49'11"	18° 46'00"	03° 07'12"	06° 35'42"	07° 05'58'14"	R
1985-12-21	16° 09'19'04"	28° 43'18"	07° 41'25"	21° 32'37"	03° 37'16"	15° 55'07"	03° 55'54"	18° 49'38"	03° 09'28"	06° 37'24"	07° 05'59'57"	R
1985-12-22	28° 11'31"	29° 44'24"	08° 53'51"	22° 48'07"	04° 14'10"	16° 07'04"	04° 02'35"	18° 53'15"	03° 11'44"	06° 39'04"	08° 01'58"	R
1985-12-23	09° 05'58'41"	00° 05'45'30"	10° 08'28"	24° 03'37"	04° 51'03"	16° 19'06"	04° 09'15"	18° 56'51"	03° 14'00"	06° 40'43"	08° 03'13"	R
1985-12-24	21° 08'45'08"	01° 05'46'36"	11° 24'59"	25° 19'07"	05° 27'55"	16° 31'13"	04° 15'52"	19° 00'28"	03° 16'16"	06° 42'20"	08° 02'02'44"	R
1985-12-25	03° 34'49"	02° 05'47'43"	12° 43'11"	26° 34'37"	06° 04'45"	16° 43'26"	04° 22'28"	19° 04'03"	03° 18'33"	06° 43'55"	07° 05'59'47"	R
1985-12-26	15° 30'53"	03° 05'48'49"	14° 02'51"	27° 50'07"	06° 41'34"	16° 55'43"	04° 29'01"	19° 07'38"	03° 20'49"	06° 45'29"	07° 05'54'05"	R
1985-12-27	27° 13'35'35"	04° 05'49'56"	15° 23'50"	29° 05'37"	07° 18'22"	17° 08'05"	04° 35'32"	19° 11'12"	03° 23'06"	06° 47'01"	07° 05'45'45"	R
1985-12-28	09° 05'50'25"	05° 05'51'03"	16° 46'00"	00° 21'07"	07° 55'09"	17° 20'31"	04° 42'01"	19° 14'46"	03° 25'22"	06° 48'31"	07° 05'35'24"	R
1985-12-29	22° 06'16'08"	06° 05'52'11"	18° 09'12"	01° 36'37"	08° 31'54"	17° 33'02"	04° 48'27"	19° 18'18"	03° 27'38"	06° 49'59"	07° 05'24'00"	R
1985-12-30	04° 05'53'04"	07° 05'53'19"	19° 33'20"	02° 52'07"	09° 08'38"	17° 45'37"	04° 54'51"	19° 21'50"	03° 29'54"	06° 51'26"	07° 05'12'39"	R
1985-12-31	17° 04'21'22"	08° 05'54'27"	20° 58'19"	04° 07'37"	09° 45'20"	17° 58'17"	05° 01'12"	19° 25'21"	03° 32'10"	06° 52'51"	07° 05'02'26"	R
1986-01-01	00° 04'11'17"	09° 05'55'35"	22° 24'05"	05° 23'07"	10° 22'01"	18° 11'01"	05° 07'31"	19° 28'51"	03° 34'26"	06° 54'14"	06° 05'41'00"	R
1986-01-02	13° 05'53'19"	10° 05'56'44"	23° 50'33"	06° 38'36"	10° 58'41"	18° 23'49"	05° 13'47"	19° 32'20"	03° 36'42"	06° 55'35"	06° 05'48'17"	R
1986-01-03	27° 18'24"	11° 05'57'53"	25° 17'40"	07° 54'06"	11° 35'19"	18° 36'41"	05° 20'00"	19° 35'48"	03° 38'57"	06° 56'54"	06° 05'44'42"	R
1986-01-04	10° 05'57'37"	12° 05'59'02"	26° 45'24"	09° 09'36"	12° 11'56"	18° 49'37"	05° 26'10"	19° 39'15"	03° 41'12"	06° 58'11"	06° 05'42'53"	R
1986-01-05	24° 05'52'02"	14° 05'00'12"	28° 13'42"	10° 25'07"	12° 48'31"	19° 02'37"	05° 32'18"	19° 42'41"	03° 43'27"	06° 59'27"	06° 05'41'57"	R
1986-01-06	09° 02'06"	15° 05'01'21"	29° 42'33"	11° 40'37"	13° 25'04"	19° 15'41"	05° 38'23"	19° 46'06"	03° 45'41"	07° 00'40"	06° 05'40'49"	R
1986-01-07	23° 06'26'59"	16° 05'02'32"	01° 05'11'56"	12° 56'07"	14° 01'36"	19° 28'49"	05° 44'24"	19° 49'29"	03° 47'55"	07° 01'52"	06° 05'38'26"	R
1986-01-08	08° 04'00"	17° 05'03'42"	02° 05'41'48"	14° 11'37"	14° 38'06"	19° 42'01"	05° 50'23"	19° 52'52"	03° 50'09"	07° 03'02"	06° 05'34'10"	R
1986-01-09	22° 04'48'15"	18° 05'04'52"	04° 05'12'10"	15° 27'07"	15° 14'34"	19° 55'16"	05° 56'19"	19° 56'13"	03° 52'23"	07° 04'09"	06° 05'37'11"	R
1986-01-10	07° 03'32'54"	19° 05'06'03"	05° 05'43'00"	16° 42'37"	15° 51'01"	20° 08'35"	06° 02'11"	19° 59'33"	03° 54'36"	07° 05'15"	06° 05'18'04"	R
1986-01-11	22° 05'09'59"	20° 05'07'13"	07° 05'14'19"	17° 58'07"	16° 27'25"	20° 21'57"	06° 08'00"	20° 02'51"	03° 56'48"	07° 06'19"	06° 05'07'15"	R
1986-01-12	06° 03'14'46"	21° 05'08'23"	08° 05'46'05"	19° 13'37"	17° 03'47"	20° 35'22"	06° 13'46"	20° 06'08"	03° 59'00"	07° 07'20"	05° 05'55'43"	R
1986-01-13	20° 03'31'58"	22° 05'09'32"	10° 05'18'20"	20° 29'06"	17° 40'07"	20° 48'51"	06° 19'28"	20° 09'24"	04° 01'12"	07° 08'20"	05° 05'44'35"	R
1986-01-14	04° 06'45"	23° 05'10'41"	11° 05'51'03"	21° 44'34"	18° 16'25"	21° 02'22"	06° 25'07"	20° 12'38"	04° 03'22"	07° 09'17"	05° 05'34'57"	R
1986-01-15	17° 05'15'03"	24° 05'11'50"	13° 05'24'15"	23° 00'03"	18° 52'40"	21° 15'57"	06° 30'42"	20° 15'50"	04° 05'32"	07° 10'13"	05° 05'27'38"	R
1986-01-16	29° 05'58'21"	25° 05'12'57"	14° 05'57'56"	24° 05'15'31"	19° 28'53"	21° 29'34"	06° 36'13"	20° 19'01"	04° 07'42"	07° 11'06"	05° 05'22'59"	R
1986-01-17	12° 02'20'05"	26° 05'14'04"	16° 05'32'06"	25° 05'30'58"	20° 05'04"	21° 43'14"	06° 41'41"	20° 22'10"	04° 09'51"	07° 11'57"	05° 05'20'51"	R
1986-01-18	24° 02'25'01"	27° 05'15'10"	18° 05'06'46"	26° 05'46'25"	20° 41'13"	21° 56'57"	06° 47'05"	20° 25'17"	04° 11'59"	07° 12'46"	05° 05'20'35"	R
1986-01-19	06° 08'18'32"	28° 05'16'15"	19° 05'41'58"	28° 05'15'51"	21° 17'19"	22° 10'42"	06° 52'25"	20° 28'23"	04° 14'06"	07° 13'33"	05° 05'21'07"	R
1986-01-20	18° 08'16'18"	29° 05'17'20"	21° 05'17'41"	29° 05'17'17"	21° 53'24"	22° 24'30"	06° 57'41"	20° 31'27"	04° 16'12"	07° 14'18"	05° 05'21'13"	R
1986-01-21	29° 05'53'48"	00° 05'18'24"	22° 05'53'56"	00° 05'32'42"	22° 29'25"	22° 38'20"	07° 02'53"	20° 34'29"	04° 18'18"	07° 15'01"	05° 05'19'39"	R
1986-01-22	11° 04'46'00"	01° 05'19'26"	24° 05'30'46"	01° 05'48'07"	23° 05'25"	22° 52'13"	07° 08'02"	20° 37'30"	04° 20'23"	07° 15'41"	05° 05'15'31"	R
1986-01-23	23° 04'47'08"	02° 05'20'28"	26° 05'08'09"	03° 05'03'32"	23° 41'22"	23° 06'07"	07° 13'06"	20° 40'28"	04° 22'27"	07° 16'20"	05° 05'08'21"	R
1986-01-24	06° 05'00'25"	03° 05'21'29"	27° 05'46'08"	04° 05'18'55"	24° 17'17"	23° 20'04"	07° 18'06"	20° 43'25"	04° 24'31"	07° 16'56"	04° 05'58'13"	R
1986-01-25	18° 05'27'55"	04° 05'22'30"	29° 05'24'42"	05° 05'34'19"	24° 53'10"	23° 34'04"	07° 23'02"	20° 46'20"	04° 26'33"	07° 17'30"	04° 05'45'44"	R
1986-01-26	01° 05'10'27"	05° 05'23'29"	01° 05'03'54"	06° 05'49'41"	25° 29'00"	23° 48'05"	07° 27'54"	20° 49'13"	04° 28'34"	07° 18'03"	04° 05'31'57"	R
1986-01-27	14° 05'07'42"	06° 05'24'28"	02° 05'43'44"	08° 05'05'04"	26° 04'47"	24° 02'08"	07° 32'41"	20° 52'03"	04° 30'35"	07° 18'32"	04° 05'18'05"	R
1986-01-28	27° 05'18'25"	07° 05'25'25"	04° 05'24'13"	09° 05'20'25"	26° 40'32"	24° 16'12"	07° 37'24"	20° 54'52"	04° 32'34"	07° 19'00"	04° 05'05'25"	R
1986-01-29	10° 05'40'50"	08° 05'26'22"	06° 05'05'21"	10° 05'35'46"	27° 16'15"	24° 30'19"	07° 42'03"	20° 57'38"	04° 34'33"	07° 19'26"	03° 05'54'55"	R
1986-01-30	24° 05'13'10"	09° 05'27'18"	07° 05'47'09"	11° 05'51'07"	27° 51'54"	24° 44'27"	07° 46'37"	21° 00'23"	04° 36'30"	07° 19'49"	03° 05'47'08"	R
1986-01-31	07° 05'53'56"	10° 05'28'13"	09° 05'29'37"	13° 05'06'27"	28° 27'32"	24° 58'37"	07° 51'07"	21° 03'05"	04° 38'26"	07° 20'10"	03° 05'42'06"	R
1986-02-01	21° 05'42'17"	11° 05'29'07"	11° 05'12'47"	14° 05'21'47"	29° 03'06"	25° 12'48"	07° 55'32"	21° 05'45"	04° 40'21"	07° 20'29"	03° 05'39'19"	R
1986-02-02	05° 05'37'51"	12° 05'30'01"	12° 05'56'38"	15° 05'37'06"	29° 38'38"	25° 27'01"	07° 59'52"	21° 08'23"	04° 42'15"	07° 20'45"	03° 05'37'51"	R
1986-02-03	19° 05'40'28"	13° 05'30'54"	14° 05'41'09"	16° 05'52'25"	00° 05'14'07"	25° 41'16"	08° 04'08"	21° 10'58"	04° 44'08"	07° 21'00"	03° 05'36'33"	R

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♂ Geo Lon	♂ Geo Lon	♄ Geo Lon	♃ Geo Lon	♂ Geo Lon	♅ Geo Lon	♄ Geo Lon	♅ Geo Lon	♁ Geo Lon
1986-02-04	03°↗49'43"	14°↖31'47"	16°↖26'22"	18°↖07'43"	00°↗49'33"	25°↖55'31"	08°↗08'19"	21°↗13'32"	04°↖46'00"	07°↖21'13"	03°↗34'17"	R _x
1986-02-05	18°↗04'24"	15°↖32'38"	18°↖12'14"	19°↖23'01"	01°↗24'55"	26°↖09'48"	08°↗12'25"	21°↗16'03"	04°↖47'50"	07°↖21'23"	03°↗30'08"	R _x
1986-02-06	02°↖22'02"	16°↖33'29"	19°↖58'44"	20°↖38'18"	02°↗00'15"	26°↖24'07"	08°↗16'27"	21°↗18'31"	04°↖49'40"	07°↖21'31"	03°↗23'36"	R _x
1986-02-07	16°↖38'50"	17°↖34'19"	21°↖45'50"	21°↖53'35"	02°↗35'31"	26°↖38'26"	08°↗20'23"	21°↗20'58"	04°↖51'28"	07°↖21'37"	03°↗14'41"	R _x
1986-02-08	00°↖49'54"	18°↖35'08"	23°↖33'30"	23°↖08'51"	03°↗10'44"	26°↖52'46"	08°↗24'14"	21°↗23'22"	04°↖53'15"	07°↖21'41"	03°↗03'57"	R _x
1986-02-09	14°↖49'52"	19°↖35'55"	25°↖21'41"	24°↖24'06"	03°↗45'53"	27°↖07'07"	08°↗28'01"	21°↗25'43"	04°↖55'00"	07°↖21'42"	02°↗52'17"	R _x
1986-02-10	28°↖33'48"	20°↖36'41"	27°↖10'18"	25°↖39'21"	04°↗20'59"	27°↖21'29"	08°↗31'42"	21°↗28'02"	04°↖56'44"	07°↖21'42"	02°↗40'51"	R _x
1986-02-11	11°↖58'03"	21°↖37'26"	28°↖59'15"	26°↖54'34"	04°↗56'00"	27°↖35'52"	08°↗35'18"	21°↗30'18"	04°↖58'27"	07°↖21'39"	02°↗30'45"	R _x
1986-02-12	25°↖00'46"	22°↖38'09"	00°↖48'26"	28°↖09'47"	05°↗30'58"	27°↖50'15"	08°↗38'48"	21°↗32'31"	05°↖00'08"	07°↖21'34"	02°↗22'55"	R _x
1986-02-13	07°↗42'10"	23°↖38'51"	02°↖37'44"	29°↖24'59"	06°↗05'52"	28°↖04'39"	08°↗42'13"	21°↗34'42"	05°↖01'48"	07°↖21'26"	02°↗17'48"	R _x
1986-02-14	20°↗04'17"	24°↖39'31"	04°↖26'58"	00°↖40'10"	06°↗40'42"	28°↖19'03"	08°↗45'33"	21°↗36'50"	05°↖03'26"	07°↖21'17"	02°↗15'24"	R _x
1986-02-15	02°↗10'39"	25°↖40'10"	06°↖15'57"	01°↖55'20"	07°↗15'28"	28°↖33'27"	08°↗48'48"	21°↗38'56"	05°↖05'03"	07°↖21'05"	02°↗15'10"	R _x
1986-02-16	14°↗05'52"	26°↖40'47"	08°↖04'27"	03°↖10'28"	07°↗50'11"	28°↖47'52"	08°↗51'57"	21°↗40'59"	05°↖06'38"	07°↖20'52"	02°↗16'12"	R _x
1986-02-17	25°↗55'08"	27°↖41'22"	09°↖52'12"	04°↖25'36"	08°↗24'49"	29°↖02'17"	08°↗55'01"	21°↗42'59"	05°↖08'12"	07°↖20'36"	02°↗17'19"	R _x
1986-02-18	07°↗43'56"	28°↖41'56"	11°↖38'55"	05°↖40'43"	08°↗59'23"	29°↖16'42"	08°↗58'00"	21°↗44'56"	05°↖09'45"	07°↖20'18"	02°↗22'55"	R _x
1986-02-19	19°↗37'43"	29°↖42'27"	13°↖24'12"	06°↖55'48"	09°↗33'52"	29°↖31'07"	09°↗00'53"	21°↗46'51"	05°↖11'16"	07°↖19'58"	02°↗15'29"	R _x
1986-02-20	01°↗41'27"	00°↖42'57"	15°↖07'42"	08°↖10'53"	10°↗08'18"	29°↖45'32"	09°↗03'40"	21°↗48'43"	05°↖12'45"	07°↖19'36"	02°↗11'02"	R _x
1986-02-21	13°↗59'24"	01°↖43'25"	16°↖48'56"	09°↖25'56"	10°↗42'39"	29°↖59'57"	09°↗06'22"	21°↗50'32"	05°↖14'13"	07°↖19'12"	02°↗04'01"	R _x
1986-02-22	26°↗34'46"	02°↖43'52"	18°↖27'25"	10°↖40'58"	11°↗16'56"	00°↖14'22"	09°↗08'58"	21°↗52'19"	05°↖15'39"	07°↖18'46"	01°↗54'51"	R _x
1986-02-23	09°↗29'20"	03°↖44'16"	20°↖02'37"	11°↖55'59"	11°↗51'09"	00°↖28'47"	09°↗11'29"	21°↗54'02"	05°↖17'03"	07°↖18'18"	01°↗44'22"	R _x
1986-02-24	22°↗43'22"	04°↖44'39"	21°↖33'58"	13°↖10'58"	12°↗25'17"	00°↖43'11"	09°↗13'53"	21°↗55'43"	05°↖18'26"	07°↖17'48"	01°↗33'38"	R _x
1986-02-25	06°↗15'26"	05°↖45'00"	23°↖00'51"	14°↖25'56"	12°↗59'20"	00°↖57'35"	09°↗16'12"	21°↗57'20"	05°↖19'47"	07°↖17'15"	01°↗23'42"	R _x
1986-02-26	20°↗02'45"	06°↖45'19"	24°↖22'40"	15°↖40'53"	13°↗33'19"	01°↖11'58"	09°↗18'26"	21°↗58'55"	05°↖21'07"	07°↖16'41"	01°↗15'29"	R _x
1986-02-27	04°↗01'37"	07°↖45'37"	25°↖38'46"	16°↖55'49"	14°↗07'13"	01°↖26'20"	09°↗20'33"	22°↗00'27"	05°↖22'24"	07°↖16'05"	01°↗09'32"	R _x
1986-02-28	18°↗08'04"	08°↖45'53"	26°↖48'32"	18°↖10'44"	14°↗41'02"	01°↖40'43"	09°↗22'35"	22°↗01'55"	05°↖23'40"	07°↖15'27"	01°↗05'56"	R _x
1986-02-29	02°↗18'28"	09°↖46'07"	27°↖51'23"	19°↖25'38"	15°↗14'47"	01°↖55'04"	09°↗24'31"	22°↗03'21"	05°↖24'55"	07°↖14'47"	01°↗04'22"	R _x
1986-03-02	16°↗29'56"	10°↖46'21"	28°↖46'44"	20°↖40'30"	15°↗48'26"	02°↖09'25"	09°↗26'21"	22°↗04'44"	05°↖26'07"	07°↖14'05"	01°↗04'17"	R _x
1986-03-03	00°↗40'21"	11°↖46'32"	29°↖34'05"	21°↖55'22"	16°↗22'00"	02°↖23'45"	09°↗28'05"	22°↗06'04"	05°↖27'18"	07°↖13'21"	01°↗00'07"	R _x
1986-03-04	14°↗48'12"	12°↖46'42"	00°↗13'00"	23°↖10'12"	16°↗55'29"	02°↖38'04"	09°↗29'44"	22°↗07'21"	05°↖28'27"	07°↖12'35"	01°↗03'56"	R _x
1986-03-05	28°↗52'11"	13°↖46'51"	00°↗43'06"	24°↖25'02"	17°↗28'53"	02°↖52'22"	09°↗31'16"	22°↗08'35"	05°↖29'35"	07°↖11'48"	01°↗02'18"	R _x
1986-03-06	12°↖50'59"	14°↖46'58"	01°↗04'09"	25°↖39'50"	18°↗02'10"	03°↖06'40"	09°↗32'43"	22°↗09'46"	05°↖30'40"	07°↖10'58"	00°↗58'57"	R _x
1986-03-07	26°↖42'58"	15°↖47'04"	01°↗16'00"	26°↖54'37"	18°↗35'22"	03°↖20'56"	09°↗34'03"	22°↗10'54"	05°↖31'44"	07°↖10'07"	00°↗53'49"	R _x
1986-03-08	10°↖26'09"	16°↖47'08"	01°↗18'39"	28°↖09'22"	19°↗08'27"	03°↖35'11"	09°↗35'17"	22°↗11'58"	05°↖32'46"	07°↖09'14"	00°↗47'16"	R _x
1986-03-09	23°↖58'15"	17°↖47'10"	01°↗12'14"	29°↖24'07"	19°↗41'26"	03°↖49'24"	09°↗36'26"	22°↗13'00"	05°↖33'46"	07°↖08'19"	00°↗39'58"	R _x
1986-03-10	07°↖17'03"	18°↖47'10"	00°↗57'03"	00°↗38'50"	20°↗14'19"	04°↖03'36"	09°↗37'28"	22°↗13'58"	05°↖34'44"	07°↖07'23"	00°↗32'45"	R _x
1986-03-11	20°↖20'44"	19°↖47'09"	00°↗33'32"	01°↗53'31"	20°↗47'05"	04°↖17'47"	09°↗38'24"	22°↗14'53"	05°↖35'40"	07°↖06'24"	00°↗26'30"	R _x
1986-03-12	03°↗08'15"	20°↖47'05"	00°↗02'21"	03°↗08'11"	21°↗19'44"	04°↖31'56"	09°↗39'14"	22°↗15'45"	05°↖36'34"	07°↖05'24"	00°↗21'54"	R _x
1986-03-13	15°↗39'40"	21°↖47'00"	29°↖24'15"	04°↗22'50"	21°↗52'16"	04°↖46'03"	09°↗39'57"	22°↗16'34"	05°↖37'27"	07°↖04'22"	00°↗19'22"	R _x
1986-03-14	27°↗56'13"	22°↖46'52"	28°↖40'12"	05°↗37'27"	22°↗24'42"	05°↖00'09"	09°↗40'35"	22°↗17'20"	05°↖38'17"	07°↖03'19"	00°↗18'55"	R _x
1986-03-15	10°↗00'14"	23°↖46'43"	27°↖51'16"	06°↗52'03"	22°↗57'00"	05°↖14'13"	09°↗41'07"	22°↗18'02"	05°↖39'05"	07°↖02'14"	00°↗20'15"	R _x
1986-03-16	21°↖55'03"	24°↖46'31"	26°↖58'37"	08°↗06'37"	23°↗29'11"	05°↖28'15"	09°↗41'32"	22°↗18'41"	05°↖39'52"	07°↖01'07"	00°↗22'42"	R _x
1986-03-17	03°↗44'45"	25°↖46'17"	26°↖03'29"	09°↗21'09"	24°↗01'14"	05°↖42'15"	09°↗41'52"	22°↗19'18"	05°↖40'37"	06°↖59'59"	00°↗25'29"	R _x
1986-03-18	15°↗34'03"	26°↖46'01"	25°↖07'08"	10°↗35'39"	24°↗33'10"	05°↖56'13"	09°↗42'05"	22°↗19'51"	05°↖41'19"	06°↖58'49"	00°↗27'48"	R _x
1986-03-19	27°↗27'55"	27°↖45'43"	24°↖10'47"	11°↗50'08"	25°↗04'58"	06°↖10'09"	09°↗42'13"	22°↗20'21"	05°↖42'00"	06°↖57'38"	00°↗28'57"	R _x
1986-03-20	09°↗31'25"	28°↖45'22"	23°↖15'37"	13°↗04'35"	25°↖36'39"	06°↖24'03"	09°↗42'14"	22°↗20'47"	05°↖42'39"	06°↖56'26"	00°↗28'31"	R _x
1986-03-21	21°↗49'20"	29°↖44'59"	22°↖22'41"	14°↗19'01"	26°↖08'11"	06°↖37'54"	09°↗42'09"	22°↗21'11"	05°↖43'16"	06°↖55'12"	00°↗26'24"	R _x
1986-03-22	04°↗25'48"	00°↗44'34"	21°↖32'58"	15°↗33'24"	26°↗39'36"	06°↖51'43"	09°↗41'59"	22°↗21'31"	05°↖43'50"	06°↖53'56"	00°↗22'48"	R _x
1986-03-23	17°↗23'56"	01°↗44'07"	20°↖47'16"	16°↗47'46"	27°↗10'52"	07°↖05'30"	09°↗41'42"	22°↗21'48"	05°↖44'23"	06°↖52'39"	00°↗18'13"	R _x
1986-03-24	00°↗45'22"	02°↗43'37"	20°↖06'13"	18°↗02'05"	27°↗42'00"	07°↖19'14"	09°↗41'19"	22°↗22'02"	05°↖44'54"	06°↖51'21"	00°↗13'15"	R _x
1986-03-25	14°↗29'54"	03°↗43'05"	19°↖30'20"	19°↗16'23"	28°↗12'59"	07°↖32'55"	09°↗40'50"	22°↗22'13"	05°↖45'23"	06°↖50'02"	00°↗08'35"	R _x
1986-03-26	28°↗35'16"	04°↗42'31"	18°↖59'59"	20°↗30'39"	28°↗43'49"	07°↖46'34"	09°↗40'16"	22°↗22'21"	05°↖45'50"	06°↖48'41"	00°↗04'44"	R _x
1986-03-27	12°↗57'19"	05°↗41'55"	18°↖35'24"	21°↗44'53"	29°↗14'31"	08°↖00'10"	09°↗39'35"	22°↗22'25"	05°↖46'14"	06°↖47'19"	00°↗02'03"	R _x
1986-03-28	27°↗30'28"	06°↗41'17"	18°↖16'43"	22°↗59'05"	29°↗45'04"	08°↖13'44"	09°↗38'48"	22°↗22'27"	05°↖46'37"	06°↖45'56"	00°↗00'38"	R _x

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♄ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1986-03-29	12°Ⅲ08'29"	07°Ⅰ40'37"	18°Ⅴ03'58" R _x	24°Ⅰ13'15"	00°Ⅴ15'28"	08°Ⅴ27'14"	09°Ⅴ37'56" R _x	22°Ⅴ22'25" R _x	05°Ⅴ46'58"	06°Ⅲ44'31" R _x	00°Ⅴ00'21"	
1986-03-30	26°Ⅲ45'20"	08°Ⅰ39'55"	17°Ⅴ57'05" R _x	25°Ⅰ27'24"	00°Ⅴ45'42"	08°Ⅴ40'42"	09°Ⅴ36'58" R _x	22°Ⅴ22'20" R _x	05°Ⅴ47'17"	06°Ⅲ43'06" R _x	00°Ⅴ00'49"	
1986-03-31	11°Ⅴ15'50"	09°Ⅰ39'11"	17°Ⅴ55'58"	26°Ⅰ41'31"	01°Ⅴ15'46"	08°Ⅴ54'07"	09°Ⅴ35'54" R _x	22°Ⅴ22'12" R _x	05°Ⅴ47'34"	06°Ⅲ41'40" R _x	00°Ⅴ01'36"	
1986-04-01	25°Ⅴ36'05"	10°Ⅰ38'26"	18°Ⅴ00'27"	27°Ⅰ55'36"	01°Ⅴ45'40"	09°Ⅴ07'29"	09°Ⅴ34'44" R _x	22°Ⅴ22'01" R _x	05°Ⅴ47'49"	06°Ⅲ40'12" R _x	00°Ⅴ02'14"	
1986-04-02	09°Ⅴ43'27"	11°Ⅰ37'39"	18°Ⅴ10'21"	29°Ⅰ09'40"	02°Ⅴ15'24"	09°Ⅴ20'48"	09°Ⅴ33'28" R _x	22°Ⅴ21'47" R _x	05°Ⅴ48'02"	06°Ⅲ38'44" R _x	00°Ⅴ02'22" R _x	
1986-04-03	23°Ⅴ36'27"	12°Ⅰ36'50"	18°Ⅴ25'27"	00°Ⅴ23'42"	02°Ⅴ44'57"	09°Ⅴ34'03"	09°Ⅴ32'07" R _x	22°Ⅴ21'30" R _x	05°Ⅴ48'13"	06°Ⅲ37'14" R _x	00°Ⅴ01'48" R _x	
1986-04-04	07°Ⅴ43'31"	13°Ⅰ36'00"	18°Ⅴ45'31"	01°Ⅴ37'42"	03°Ⅴ14'18"	09°Ⅴ47'15"	09°Ⅴ30'40" R _x	22°Ⅴ21'10" R _x	05°Ⅴ48'22"	06°Ⅲ35'44" R _x	00°Ⅴ00'31" R _x	
1986-04-05	20°Ⅴ37'41"	14°Ⅰ35'07"	19°Ⅴ10'20"	02°Ⅴ51'40"	03°Ⅴ43'29"	10°Ⅴ00'24"	09°Ⅴ29'07" R _x	22°Ⅴ20'46" R _x	05°Ⅴ48'29"	06°Ⅲ34'12" R _x	29°Ⅰ58'43" R _x	
1986-04-06	03°Ⅴ46'19"	15°Ⅰ34'13"	19°Ⅴ39'39"	04°Ⅴ05'37"	04°Ⅴ12'27"	10°Ⅴ13'29"	09°Ⅴ27'28" R _x	22°Ⅴ20'20" R _x	05°Ⅴ48'34"	06°Ⅲ32'40" R _x	29°Ⅰ56'41" R _x	
1986-04-07	16°Ⅴ40'55"	16°Ⅰ33'17"	20°Ⅴ13'15"	05°Ⅴ19'32"	04°Ⅴ41'14"	10°Ⅴ26'31"	09°Ⅴ25'44" R _x	22°Ⅴ19'50" R _x	05°Ⅴ48'36"	06°Ⅲ31'06" R _x	29°Ⅰ54'48" R _x	
1986-04-08	29°Ⅴ22'06"	17°Ⅰ32'19"	20°Ⅴ50'54"	06°Ⅴ33'24"	05°Ⅴ09'48"	10°Ⅴ39'29"	09°Ⅴ23'55" R _x	22°Ⅴ19'17" R _x	05°Ⅴ48'37" R _x	06°Ⅲ29'32" R _x	29°Ⅰ53'24" R _x	
1986-04-09	11°Ⅰ50'38"	18°Ⅰ31'19"	21°Ⅴ32'24"	07°Ⅴ47'15"	05°Ⅴ38'09"	10°Ⅴ52'23"	09°Ⅴ21'59" R _x	22°Ⅴ18'41" R _x	05°Ⅴ48'36" R _x	06°Ⅲ27'57" R _x	29°Ⅰ52'43" R _x	
1986-04-10	24°Ⅰ07'31"	19°Ⅰ30'17"	22°Ⅴ17'33"	09°Ⅴ01'04"	06°Ⅴ06'17"	11°Ⅴ05'13"	09°Ⅴ19'59" R _x	22°Ⅴ18'03" R _x	05°Ⅴ48'33" R _x	06°Ⅲ26'21" R _x	29°Ⅰ52'52"	
1986-04-11	06°Ⅴ14'09"	20°Ⅰ29'13"	23°Ⅴ06'09"	10°Ⅴ14'51"	06°Ⅴ34'12"	11°Ⅴ17'59"	09°Ⅴ17'53" R _x	22°Ⅴ17'21" R _x	05°Ⅴ48'28" R _x	06°Ⅲ24'45" R _x	29°Ⅰ53'46"	
1986-04-12	18°Ⅴ12'22"	21°Ⅰ28'07"	23°Ⅴ58'02"	11°Ⅴ28'36"	07°Ⅴ01'54"	11°Ⅴ30'41"	09°Ⅴ15'42" R _x	22°Ⅴ16'36" R _x	05°Ⅴ48'20" R _x	06°Ⅲ23'08" R _x	29°Ⅰ55'15"	
1986-04-13	00°Ⅱ04'34"	22°Ⅰ26'59"	24°Ⅴ53'03"	12°Ⅴ42'19"	07°Ⅴ29'21"	11°Ⅴ43'20"	09°Ⅴ13'25" R _x	22°Ⅴ15'49" R _x	05°Ⅴ48'11" R _x	06°Ⅲ21'31" R _x	29°Ⅰ57'02"	
1986-04-14	11°Ⅱ53'39"	23°Ⅰ25'49"	25°Ⅴ51'01"	13°Ⅴ56'00"	07°Ⅴ56'35"	11°Ⅴ55'54"	09°Ⅴ11'04" R _x	22°Ⅴ14'58" R _x	05°Ⅴ48'00" R _x	06°Ⅲ19'52" R _x	29°Ⅰ58'49"	
1986-04-15	23°Ⅱ43'06"	24°Ⅰ24'36"	26°Ⅴ51'50"	15°Ⅴ09'38"	08°Ⅴ23'34"	12°Ⅴ08'23"	09°Ⅴ08'37" R _x	22°Ⅴ14'05" R _x	05°Ⅴ47'47" R _x	06°Ⅲ18'14" R _x	00°Ⅴ00'19"	
1986-04-16	05°Ⅴ36'52"	25°Ⅰ23'22"	27°Ⅴ55'20"	16°Ⅴ23'15"	08°Ⅴ50'18"	12°Ⅴ20'49"	09°Ⅴ06'06" R _x	22°Ⅴ13'09" R _x	05°Ⅴ47'33" R _x	06°Ⅲ16'35" R _x	00°Ⅴ01'23"	
1986-04-17	17°Ⅴ39'18"	26°Ⅰ22'05"	29°Ⅴ01'26"	17°Ⅴ36'49"	09°Ⅴ16'47"	12°Ⅴ33'10"	09°Ⅴ03'29" R _x	22°Ⅴ12'10" R _x	05°Ⅴ47'16" R _x	06°Ⅲ14'55" R _x	00°Ⅴ01'56"	
1986-04-18	29°Ⅴ54'57"	27°Ⅰ20'46"	00°Ⅰ10'01"	18°Ⅴ50'21"	09°Ⅴ43'01"	12°Ⅴ45'26"	09°Ⅴ00'48" R _x	22°Ⅴ11'08" R _x	05°Ⅴ46'57" R _x	06°Ⅲ13'16" R _x	00°Ⅴ02'01" R _x	
1986-04-19	12°Ⅰ28'11"	28°Ⅰ19'25"	01°Ⅰ21'00"	20°Ⅴ03'51"	10°Ⅴ08'59"	12°Ⅴ57'38"	08°Ⅴ58'02" R _x	22°Ⅴ10'04" R _x	05°Ⅴ46'36" R _x	06°Ⅲ11'35" R _x	00°Ⅴ01'43" R _x	
1986-04-20	25°Ⅰ22'57"	29°Ⅰ18'01"	02°Ⅰ34'16"	21°Ⅴ17'18"	10°Ⅴ34'41"	13°Ⅴ09'45"	08°Ⅴ55'11" R _x	22°Ⅴ08'56" R _x	05°Ⅴ46'14" R _x	06°Ⅲ09'55" R _x	00°Ⅴ01'11" R _x	
1986-04-21	08°Ⅱ42'14"	00°Ⅴ16'35"	03°Ⅰ49'47"	22°Ⅴ30'43"	11°Ⅴ00'07"	13°Ⅴ21'47"	08°Ⅴ52'16" R _x	22°Ⅴ07'46" R _x	05°Ⅴ45'49" R _x	06°Ⅲ08'14" R _x	00°Ⅴ00'34" R _x	
1986-04-22	22°Ⅱ27'34"	01°Ⅴ15'07"	05°Ⅰ07'27"	23°Ⅴ44'05"	11°Ⅴ25'16"	13°Ⅴ33'44"	08°Ⅴ49'16" R _x	22°Ⅴ06'34" R _x	05°Ⅴ45'23" R _x	06°Ⅲ06'33" R _x	29°Ⅰ59'56" R _x	
1986-04-23	06°Ⅴ38'27"	02°Ⅴ13'37"	06°Ⅰ27'13"	24°Ⅴ57'25"	11°Ⅴ50'08"	13°Ⅴ45'36"	08°Ⅴ46'12" R _x	22°Ⅴ05'18" R _x	05°Ⅴ44'55" R _x	06°Ⅲ04'51" R _x	29°Ⅰ59'19" R _x	
1986-04-24	21°Ⅴ11'56"	03°Ⅴ12'05"	07°Ⅰ49'03"	26°Ⅴ10'42"	12°Ⅴ14'43"	13°Ⅴ57'23"	08°Ⅴ43'03" R _x	22°Ⅴ04'00" R _x	05°Ⅴ44'25" R _x	06°Ⅲ03'10" R _x	29°Ⅰ58'41" R _x	
1986-04-25	06°Ⅲ02'37"	04°Ⅴ10'31"	09°Ⅰ12'53"	27°Ⅴ23'58"	12°Ⅴ39'00"	14°Ⅴ09'05"	08°Ⅴ39'51" R _x	22°Ⅴ02'40" R _x	05°Ⅴ43'53" R _x	06°Ⅲ01'28" R _x	29°Ⅰ57'58" R _x	
1986-04-26	21°Ⅲ03'01"	05°Ⅴ08'55"	10°Ⅰ38'42"	28°Ⅴ37'10"	13°Ⅴ02'59"	14°Ⅴ20'43"	08°Ⅴ36'34" R _x	22°Ⅴ01'17" R _x	05°Ⅴ43'19" R _x	05°Ⅲ59'46" R _x	29°Ⅰ57'07" R _x	
1986-04-27	06°Ⅴ04'38"	06°Ⅴ07'18"	12°Ⅰ06'27"	29°Ⅴ50'21"	13°Ⅴ26'39"	14°Ⅴ32'14"	08°Ⅴ33'13" R _x	21°Ⅴ59'52" R _x	05°Ⅴ42'44" R _x	05°Ⅲ58'05" R _x	29°Ⅰ56'05" R _x	
1986-04-28	20°Ⅴ59'04"	07°Ⅴ05'38"	13°Ⅰ36'07"	01°Ⅱ03'29"	13°Ⅴ49'59"	14°Ⅴ43'41"	08°Ⅴ29'49" R _x	21°Ⅴ58'24" R _x	05°Ⅴ42'07" R _x	05°Ⅲ56'23" R _x	29°Ⅰ54'55" R _x	
1986-04-29	05°Ⅴ39'12"	08°Ⅴ03'58"	15°Ⅰ07'41"	02°Ⅱ16'36"	14°Ⅴ13'00"	14°Ⅴ55'02"	08°Ⅴ26'20" R _x	21°Ⅴ56'54" R _x	05°Ⅴ41'28" R _x	05°Ⅲ54'42" R _x	29°Ⅰ53'44" R _x	
1986-04-30	19°Ⅴ59'58"	09°Ⅴ02'15"	16°Ⅰ41'07"	03°Ⅱ29'39"	14°Ⅴ35'41"	15°Ⅴ06'18"	08°Ⅴ22'48" R _x	21°Ⅴ55'21" R _x	05°Ⅴ40'47" R _x	05°Ⅲ53'00" R _x	29°Ⅰ52'43" R _x	
1986-05-01	03°Ⅴ58'38"	10°Ⅴ00'32"	18°Ⅰ16'26"	04°Ⅱ42'41"	14°Ⅴ58'00"	15°Ⅴ17'28"	08°Ⅴ19'12" R _x	21°Ⅴ53'46" R _x	05°Ⅴ40'05" R _x	05°Ⅲ51'19" R _x	29°Ⅰ52'04" R _x	
1986-05-02	17°Ⅴ34'34"	10°Ⅴ58'46"	19°Ⅰ53'36"	05°Ⅱ55'40"	15°Ⅴ19'58"	15°Ⅴ28'33"	08°Ⅴ15'33" R _x	21°Ⅴ52'09" R _x	05°Ⅴ39'21" R _x	05°Ⅲ49'37" R _x	29°Ⅰ51'56"	
1986-05-03	00°Ⅴ48'49"	11°Ⅴ57'00"	21°Ⅰ32'38"	07°Ⅱ08'37"	15°Ⅴ41'33"	15°Ⅴ39'31"	08°Ⅴ11'50" R _x	21°Ⅴ50'29" R _x	05°Ⅴ38'35" R _x	05°Ⅲ47'56" R _x	29°Ⅰ52'26"	
1986-05-04	13°Ⅴ43'31"	12°Ⅴ55'11"	23°Ⅰ13'31"	08°Ⅱ21'32"	16°Ⅴ02'45"	15°Ⅴ50'24"	08°Ⅴ08'03" R _x	21°Ⅴ48'47" R _x	05°Ⅴ37'47" R _x	05°Ⅲ46'15" R _x	29°Ⅰ53'32"	
1986-05-05	26°Ⅴ21'21"	13°Ⅴ53'21"	24°Ⅰ56'15"	09°Ⅱ34'24"	16°Ⅴ23'34"	16°Ⅴ01'10"	08°Ⅴ04'14" R _x	21°Ⅴ47'03" R _x	05°Ⅴ36'58" R _x	05°Ⅲ44'35" R _x	29°Ⅰ55'04"	
1986-05-06	08°Ⅰ45'05"	14°Ⅴ51'30"	26°Ⅰ40'51"	10°Ⅱ47'15"	16°Ⅴ43'58"	16°Ⅴ11'51"	08°Ⅴ00'21" R _x	21°Ⅴ45'17" R _x	05°Ⅴ36'07" R _x	05°Ⅲ42'54" R _x	29°Ⅰ56'47"	
1986-05-07	20°Ⅰ57'26"	15°Ⅰ49'37"	28°Ⅰ27'19"	12°Ⅱ00'02"	17°Ⅴ03'58"	16°Ⅴ22'25"	07°Ⅴ56'25" R _x	21°Ⅴ43'29" R _x	05°Ⅴ35'14" R _x	05°Ⅲ41'14" R _x	29°Ⅰ58'18"	
1986-05-08	03°Ⅴ00'49"	16°Ⅴ47'43"	00°Ⅴ15'39"	13°Ⅱ12'48"	17°Ⅴ23'33"	16°Ⅴ32'53"	07°Ⅴ52'27" R _x	21°Ⅴ41'38" R _x	05°Ⅴ34'20" R _x	05°Ⅲ39'34" R _x	29°Ⅰ59'15"	
1986-05-09	14°Ⅴ57'31"	17°Ⅴ45'47"	02°Ⅴ05'52"	14°Ⅱ25'31"	17°Ⅴ42'41"	16°Ⅴ43'14"	07°Ⅴ48'26" R _x	21°Ⅴ39'46" R _x	05°Ⅴ33'24" R _x	05°Ⅲ37'55" R _x	29°Ⅰ59'22" R _x	
1986-05-10	26°Ⅴ49'37"	18°Ⅴ43'49"	03°Ⅴ57'56"	15°Ⅱ38'11"	18°Ⅴ01'23"	16°Ⅴ53'29"	07°Ⅴ44'22" R _x	21°Ⅴ37'51" R _x	05°Ⅴ32'27" R _x	05°Ⅲ36'16" R _x	29°Ⅰ58'29" R _x	
1986-05-11	08°Ⅱ39'10"	19°Ⅴ41'50"	05°Ⅴ51'53"	16°Ⅱ50'49"	18°Ⅴ19'39"	17°Ⅴ03'38"	07°Ⅴ40'16" R _x	21°Ⅴ35'55" R _x	05°Ⅴ31'28" R _x	05°Ⅲ34'38" R _x	29°Ⅰ56'35" R _x	
1986-05-12	20°Ⅱ28'19"	20°Ⅴ39'49"	07°Ⅴ47'41"	18°Ⅱ03'25"	18°Ⅴ37'26"	17°Ⅴ13'39"	07°Ⅴ36'07" R _x	21°Ⅴ33'57" R _x	05°Ⅴ30'28" R _x	05°Ⅲ33'01" R _x	29°Ⅰ53'54" R _x	
1986-05-13	02°Ⅴ19'26"	21°Ⅴ37'47"	09°Ⅴ45'19"	19°Ⅱ15'58"	18°Ⅴ54'46"	17°Ⅴ23'34"	07°Ⅴ31'56" R _x	21°Ⅴ31'57" R _x	05°Ⅴ29'26" R _x	05°Ⅲ31'24" R _x	29°Ⅰ50'46" R _x	
1986-05-14	14°Ⅴ15'14"	22°Ⅴ35'43"	11°Ⅴ44'44"	20°Ⅱ28'28"	19°Ⅴ11'36"	17°Ⅴ33'22"	07°Ⅴ27'44" R _x	21°Ⅴ29'56" R _x	05°Ⅴ28'23" R _x	05°Ⅲ29'48" R _x	29°Ⅰ47'38" R _x	
1986-05-15	26°Ⅴ18'54"	23°Ⅴ33'37"	13°Ⅴ45'56"	21°Ⅱ40'55"	19°Ⅴ27'58"	17°Ⅴ43'03"	07°Ⅴ23'29" R _x	21°Ⅴ27'52" R _x	05°Ⅴ27'19" R _x	05°Ⅲ28'12" R _x	29°Ⅰ44'58" R _x	
1986-05-16	08°Ⅰ34'04"	24°Ⅴ31'29"	15°Ⅴ48'49"	22°Ⅱ53'19"	19°Ⅴ43'49"	17°Ⅴ52'37"	07°Ⅴ19'12" R _x	21°Ⅴ25'48" R _x	05°Ⅴ26'13" R _x	05°Ⅲ26'37" R _x	29°Ⅰ43'05" R _x	
1986-05-17	21°Ⅰ04'35"	25°Ⅴ29'20"	17°Ⅴ53'19"	24°Ⅱ05'41"	19°Ⅴ59'10"	18°Ⅴ02'03"	07°Ⅴ14'54" R _x	21°Ⅴ23'41" R _x	05°Ⅴ25'05" R _x	05°Ⅲ25'03" R _x	29°Ⅰ42'10" R _x	
1986-05-18	03°Ⅱ54'20"	26°Ⅴ27'09"	19°Ⅴ59'20"	25°Ⅱ18'00"	20°Ⅴ14'00"	18°Ⅴ11'23"	07°Ⅴ10'34" R _x	21°Ⅴ21'33" R _x	05°Ⅴ23'56" R _x	05°Ⅲ23'29" R _x	29°Ⅰ42'09"	
1986-05-19	17°Ⅱ06'55"	27°Ⅴ24'56"	22°Ⅴ06'44"	26°Ⅱ30'15"	20°Ⅴ28'18"	18°Ⅴ20'34"	07°Ⅴ06'13" R _x	21°Ⅴ19'23" R _x	05°Ⅴ22'46" R _x	05°Ⅲ21'57" R _x	29°Ⅰ42'46"	
1986-05-20	00°Ⅴ45'06"	28°Ⅴ22'41"	24°Ⅴ15'22"	27°Ⅱ42'27"	20°Ⅴ42'04"	18°Ⅴ29'39"	07°Ⅴ01'51" R _x	21°Ⅴ17'12" R _x	05°Ⅴ21'34" R _x	05°Ⅲ20'25" R _x	29°Ⅰ43'35"	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♄ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1986-05-21	14° 50'14"	29° 20'25"	26° 25'05"	28° 54'37"	20° 55'17"	18° 38'35"	06° 57'27" R	21° 15'00" R	05° 20'22" R	05° 18'54" R	29° 44'02"	
1986-05-22	29° 21'24"	00° 18'07"	28° 35'39"	00° 06'43"	21° 07'56"	18° 47'25"	06° 53'02" R	21° 12'46" R	05° 19'08" R	05° 17'24" R	29° 43'37" R	
1986-05-23	14° 14'49"	01° 15'48"	00° 46'52"	01° 18'46"	21° 20'02"	18° 56'06"	06° 48'37" R	21° 10'31" R	05° 17'52" R	05° 15'55" R	29° 41'59" R	
1986-05-24	29° 23'46"	02° 13'27"	02° 58'28"	02° 30'46"	21° 31'33"	19° 04'40"	06° 44'11" R	21° 08'15" R	05° 16'36" R	05° 14'27" R	29° 38'59" R	
1986-05-25	14° 39'03"	03° 11'05"	05° 10'13"	03° 42'43"	21° 42'28"	19° 13'06"	06° 39'44" R	21° 05'58" R	05° 15'19" R	05° 13'00" R	29° 34'47" R	
1986-05-26	29° 50'24"	04° 08'42"	07° 21'49"	04° 54'37"	21° 52'48"	19° 21'24"	06° 35'17" R	21° 03'40" R	05° 14'00" R	05° 11'34" R	29° 29'46" R	
1986-05-27	14° 48'00"	05° 06'18"	09° 33'00"	06° 06'27"	22° 02'30"	19° 29'34"	06° 30'50" R	21° 01'21" R	05° 12'41" R	05° 10'09" R	29° 24'33" R	
1986-05-28	29° 24'05"	06° 03'53"	11° 43'29"	07° 18'15"	22° 11'34"	19° 37'36"	06° 26'23" R	20° 59'01" R	05° 11'20" R	05° 08'46" R	29° 19'51" R	
1986-05-29	13° 33'47"	07° 01'27"	13° 53'01"	08° 29'59"	22° 19'59"	19° 45'29"	06° 21'55" R	20° 56'40" R	05° 09'59" R	05° 07'23" R	29° 16'16" R	
1986-05-30	27° 15'25"	07° 59'00"	16° 01'20"	09° 41'40"	22° 27'45"	19° 53'14"	06° 17'27" R	20° 54'18" R	05° 08'36" R	05° 06'02" R	29° 14'15" R	
1986-05-31	10° 29'59"	08° 56'32"	18° 08'13"	10° 53'18"	22° 34'50"	20° 00'51"	06° 13'00" R	20° 51'55" R	05° 07'12" R	05° 04'42" R	29° 13'57"	
1986-06-01	23° 20'22"	09° 54'04"	20° 13'25"	12° 04'53"	22° 41'14"	20° 08'18"	06° 08'32" R	20° 49'31" R	05° 05'47" R	05° 03'23" R	29° 15'07"	
1986-06-02	05° 50'29"	10° 51'34"	22° 16'48"	13° 16'24"	22° 46'57"	20° 15'38"	06° 04'05" R	20° 47'07" R	05° 04'21" R	05° 02'05" R	29° 17'15"	
1986-06-03	18° 04'42"	11° 49'04"	24° 18'10"	14° 27'52"	22° 51'57"	20° 22'48"	05° 59'39" R	20° 44'41" R	05° 02'55" R	05° 00'48" R	29° 19'32"	
1986-06-04	00° 07'14"	12° 46'33"	26° 17'24"	15° 39'17"	22° 56'14"	20° 29'49"	05° 55'13" R	20° 42'16" R	05° 01'27" R	04° 59'33" R	29° 21'04"	
1986-06-05	12° 01'57"	13° 44'01"	28° 14'22"	16° 50'39"	22° 59'48"	20° 36'41"	05° 50'49" R	20° 39'50" R	04° 59'59" R	04° 58'19" R	29° 21'03" R	
1986-06-06	23° 52'13"	14° 41'28"	00° 09'00"	18° 01'57"	23° 02'38"	20° 43'24"	05° 46'25" R	20° 37'23" R	04° 58'30" R	04° 57'07" R	29° 18'52" R	
1986-06-07	05° 40'50"	15° 38'55"	02° 01'13"	19° 13'12"	23° 04'44"	20° 49'58"	05° 42'03" R	20° 34'57" R	04° 57'00" R	04° 55'56" R	29° 14'17" R	
1986-06-08	17° 30'06"	16° 36'21"	03° 50'57"	20° 24'24"	23° 06'05"	20° 56'22"	05° 37'42" R	20° 32'29" R	04° 55'30" R	04° 54'47" R	29° 07'26" R	
1986-06-09	29° 21'54"	17° 33'46"	05° 38'10"	21° 35'31"	23° 06'41"	21° 02'37"	05° 33'22" R	20° 30'02" R	04° 53'59" R	04° 53'39" R	28° 58'53" R	
1986-06-10	11° 17'52"	18° 31'10"	07° 22'50"	22° 46'36"	23° 06'33" R	21° 08'43"	05° 29'04" R	20° 27'35" R	04° 52'27" R	04° 51'32" R	28° 51'30" R	
1986-06-11	23° 19'43"	19° 28'33"	09° 04'55"	23° 57'36"	23° 05'39" R	21° 14'38"	05° 24'48" R	20° 25'07" R	04° 50'55" R	04° 50'12" R	28° 40'16" R	
1986-06-12	05° 29'23"	20° 25'56"	10° 44'23"	25° 08'32"	23° 04'00" R	21° 20'24"	05° 20'33" R	20° 22'39" R	04° 49'22" R	04° 48'50'24" R	28° 32'06" R	
1986-06-13	17° 49'11"	21° 23'17"	12° 21'13"	26° 19'24"	23° 01'36" R	21° 26'01"	05° 16'21" R	20° 20'11" R	04° 47'48" R	04° 46'22" R	28° 25'45" R	
1986-06-14	00° 21'52"	22° 20'37"	13° 55'24"	27° 30'12"	22° 58'26" R	21° 31'27"	05° 12'10" R	20° 17'44" R	04° 46'14" R	04° 44'82" R	28° 21'33" R	
1986-06-15	13° 10'31"	23° 17'57"	15° 26'55"	28° 40'56"	22° 54'32" R	21° 36'43"	05° 08'02" R	20° 15'16" R	04° 44'40" R	04° 43'23" R	28° 19'25" R	
1986-06-16	26° 18'21"	24° 15'15"	16° 55'45"	29° 51'35"	22° 49'54" R	21° 41'49"	05° 03'56" R	20° 12'49" R	04° 43'05" R	04° 41'46'26" R	28° 18'51" R	
1986-06-17	09° 48'27"	25° 12'32"	18° 21'51"	01° 02'10"	22° 44'31" R	21° 46'44"	04° 59'53" R	20° 10'22" R	04° 41'30" R	04° 40'15'31" R	28° 19'00"	
1986-06-18	23° 43'04"	26° 09'49"	19° 45'13"	02° 12'40"	22° 38'24" R	21° 51'30"	04° 55'52" R	20° 07'55" R	04° 39'54" R	04° 38'44'37" R	28° 18'55" R	
1986-06-19	08° 02'55"	27° 07'05"	21° 05'47"	03° 23'06"	22° 31'34" R	21° 56'05"	04° 51'54" R	20° 05'28" R	04° 38'18" R	04° 37'43'45" R	28° 17'38" R	
1986-06-20	22° 46'15"	28° 04'20"	22° 23'33"	04° 33'27"	22° 24'02" R	22° 00'30"	04° 47'58" R	20° 03'02" R	04° 36'42" R	04° 35'25'55" R	28° 14'29" R	
1986-06-21	07° 48'15"	29° 01'35"	23° 38'26"	05° 43'43"	22° 15'47" R	22° 04'45"	04° 44'06" R	20° 00'37" R	04° 35'06" R	04° 34'02'07" R	28° 09'09" R	
1986-06-22	23° 01'00"	29° 58'49"	24° 50'23"	06° 53'54"	22° 06'51" R	22° 08'49"	04° 40'17" R	19° 58'12" R	04° 33'29" R	04° 32'41'21" R	28° 01'45" R	
1986-06-23	08° 14'27"	00° 56'02"	25° 59'22"	08° 04'00"	21° 57'14" R	22° 12'42"	04° 36'31" R	19° 55'48" R	04° 31'52" R	04° 30'40'36" R	27° 52'54" R	
1986-06-24	23° 17'57"	01° 53'15"	27° 05'18"	09° 14'02"	21° 46'56" R	22° 16'25"	04° 32'48" R	19° 53'25" R	04° 30'16" R	04° 29'39'53" R	27° 43'28" R	
1986-06-25	08° 02'04"	02° 50'28"	28° 08'06"	10° 23'58"	21° 36'00" R	22° 19'57"	04° 29'08" R	19° 51'02" R	04° 28'39" R	04° 27'39'12" R	27° 34'30" R	
1986-06-26	22° 20'05"	03° 47'41"	29° 07'42"	11° 33'49"	21° 24'25" R	22° 23'18"	04° 25'32" R	19° 48'40" R	04° 27'02" R	04° 26'38'32" R	27° 26'59" R	
1986-06-27	06° 08'42"	04° 44'53"	00° 04'00"	12° 43'35"	21° 12'13" R	22° 26'29"	04° 21'59" R	19° 46'19" R	04° 25'24" R	04° 24'37'55" R	27° 21'38" R	
1986-06-28	19° 27'53"	05° 42'06"	00° 56'54"	13° 53'16"	20° 59'25" R	22° 29'28"	04° 18'30" R	19° 43'58" R	04° 23'47" R	04° 22'37'19" R	27° 18'43" R	
1986-06-29	02° 20'12"	06° 39'18"	01° 46'19"	15° 02'51"	20° 46'02" R	22° 32'16"	04° 15'05" R	19° 41'38" R	04° 22'10" R	04° 21'36'45" R	27° 18'02"	
1986-06-30	14° 49'48"	07° 36'31"	02° 32'07"	16° 12'21"	20° 32'07" R	22° 34'52"	04° 11'43" R	19° 39'20" R	04° 20'33" R	04° 19'36'13" R	27° 18'52"	
1986-07-01	27° 01'40"	08° 33'44"	03° 14'11"	17° 21'46"	20° 17'41" R	22° 37'18"	04° 08'25" R	19° 37'02" R	04° 18'56" R	04° 18'35'43" R	27° 20'11"	
1986-07-02	09° 00'57"	09° 30'56"	03° 52'25"	18° 31'06"	20° 02'46" R	22° 39'32"	04° 05'12" R	19° 34'46" R	04° 17'19" R	04° 16'35'14" R	27° 20'48" R	
1986-07-03	20° 52'31"	10° 28'09"	04° 26'40"	19° 40'20"	19° 47'24" R	22° 41'35"	04° 02'02" R	19° 32'31" R	04° 15'42" R	04° 14'34'48" R	27° 19'32" R	
1986-07-04	02° 40'48"	11° 25'23"	04° 56'50"	20° 49'28"	19° 31'37" R	22° 43'26"	03° 58'57" R	19° 30'17" R	04° 14'06" R	04° 13'34'24" R	27° 15'34" R	
1986-07-05	14° 29'28"	12° 22'36"	05° 22'47"	21° 58'31"	19° 15'28" R	22° 45'06"	03° 55'56" R	19° 28'05" R	04° 12'30" R	04° 11'34'02" R	27° 08'30" R	
1986-07-06	26° 21'24"	13° 19'49"	05° 44'23"	23° 07'28"	18° 58'59" R	22° 46'35"	03° 53'00" R	19° 25'53" R	04° 10'54" R	04° 10'33'41" R	26° 58'29" R	
1986-07-07	08° 18'46"	14° 17'03"	06° 01'32"	24° 16'18"	18° 42'13" R	22° 47'52"	03° 50'08" R	19° 23'44" R	04° 09'18" R	04° 08'33'23" R	26° 46'10" R	
1986-07-08	20° 23'01"	15° 14'17"	06° 14'08"	25° 25'03"	18° 25'12" R	22° 48'57"	03° 47'20" R	19° 21'35" R	04° 07'43" R	04° 06'33'07" R	26° 32'38" R	
1986-07-09	02° 35'15"	16° 11'30"	06° 22'05"	26° 33'41"	18° 07'59" R	22° 49'50"	03° 44'37" R	19° 19'29" R	04° 06'09" R	04° 05'32'53" R	26° 19'10" R	
1986-07-10	14° 56'24"	17° 08'44"	06° 25'20"	27° 42'13"	17° 50'37" R	22° 50'32"	03° 41'59" R	19° 17'23" R	04° 04'34" R	04° 03'32'40" R	26° 06'59" R	
1986-07-11	27° 27'26"	18° 05'58"	06° 23'50" R	28° 50'37"	17° 33'09" R	22° 51'02"	03° 39'26" R	19° 15'20" R	04° 03'01" R	04° 02'32'30" R	25° 57'04" R	
1986-07-12	10° 09'42"	19° 03'11"	06° 17'36" R	29° 58'55"	17° 15'38" R	22° 51'20"	03° 36'58" R	19° 13'18" R	04° 01'27" R	04° 00'32'21" R	25° 49'56" R	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon	♁ Geo Lon
1986-07-13	23°04'54"	20°00'25"	06°06'40"R	01°07'06"	16°58'06"R	22°51'26"	03°34'34"R	19°11'17"R	03°59'54"R	04°32'15"R	25°45'35"R	25°45'35"R
1986-07-14	06°15'08"	20°57'38"	05°51'08"R	02°15'09"	16°40'38"R	22°51'21"R	03°32'15"R	19°09'19"R	03°58'22"R	04°32'11"R	25°43'29"R	25°43'29"R
1986-07-15	19°42'42"	21°54'52"	05°31'09"R	03°23'05"	16°23'14"R	22°51'04"R	03°30'02"R	19°07'22"R	03°56'50"R	04°32'08"R	25°42'40"R	25°42'40"R
1986-07-16	03°02'41"	22°52'06"	05°06'56"R	04°30'53"	16°05'59"R	22°50'35"R	03°27'54"R	19°05'27"R	03°55'19"R	04°32'08"	25°42'00"R	25°42'00"R
1986-07-17	17°03'17"	23°49'19"	04°38'46"R	05°38'33"	15°48'56"R	22°49'55"R	03°25'50"R	19°03'35"R	03°53'49"R	04°32'10"	25°40'18"R	25°40'18"R
1986-07-18	02°04'59"	24°46'33"	04°07'00"R	06°46'05"	15°32'06"R	22°49'03"R	03°23'53"R	19°01'44"R	03°52'20"R	04°32'14"	25°36'40"R	25°36'40"R
1986-07-19	16°49'53"	25°43'47"	03°32'05"R	07°53'29"	15°15'32"R	22°47'59"R	03°22'00"R	18°59'55"R	03°50'51"R	04°32'20"	25°30'38"R	25°30'38"R
1986-07-20	01°54'16"	26°41'02"	02°54'30"R	09°00'44"	14°59'17"R	22°46'44"R	03°20'13"R	18°58'09"R	03°49'24"R	04°32'28"	25°22'14"R	25°22'14"R
1986-07-21	16°54'05"	27°38'16"	02°14'52"R	10°07'51"	14°43'23"R	22°45'17"R	03°18'31"R	18°56'24"R	03°47'57"R	04°32'39"	25°12'01"R	25°12'01"R
1986-07-22	01°40'00"	28°35'31"	01°33'47"R	11°14'48"	14°27'53"R	22°43'39"R	03°16'55"R	18°54'42"R	03°46'30"R	04°32'51"	25°00'55"R	25°00'55"R
1986-07-23	16°18'55"	29°32'47"	00°51'57"R	12°21'36"	14°12'47"R	22°41'49"R	03°15'24"R	18°53'01"R	03°45'05"R	04°33'05"	24°50'05"R	24°50'05"R
1986-07-24	00°35'32"	00°30'03"	00°10'06"R	13°28'15"	13°58'10"R	22°39'48"R	03°13'58"R	18°51'23"R	03°43'41"R	04°33'21"	24°40'38"R	24°40'38"R
1986-07-25	14°25'26"	01°27'20"	29°28'59"R	14°34'45"	13°44'02"R	22°37'35"R	03°12'37"R	18°49'47"R	03°42'17"R	04°33'39"	24°33'25"R	24°33'25"R
1986-07-26	27°47'18"	02°24'38"	28°49'20"R	15°41'05"	13°30'25"R	22°35'10"R	03°11'23"R	18°48'13"R	03°40'54"R	04°34'00"	24°28'53"R	24°28'53"R
1986-07-27	10°42'34"	03°21'56"	28°11'54"R	16°47'15"	13°17'22"R	22°32'34"R	03°10'13"R	18°46'41"R	03°39'33"R	04°34'22"	24°26'55"R	24°26'55"R
1986-07-28	23°14'40"	04°19'16"	27°37'22"R	17°53'16"	13°04'54"R	22°29'47"R	03°09'10"R	18°45'12"R	03°38'12"R	04°34'46"	24°26'55"R	24°26'55"R
1986-07-29	05°28'16"	05°16'36"	27°06'25"R	18°59'06"	12°53'03"R	22°26'49"R	03°08'12"R	18°43'46"R	03°36'52"R	04°35'13"	24°27'52"R	24°27'52"R
1986-07-30	17°28'32"	06°13'58"	26°39'39"R	20°04'46"	12°41'52"R	22°23'39"R	03°07'19"R	18°42'21"R	03°35'34"R	04°35'41"	24°28'33"R	24°28'33"R
1986-07-31	29°20'49"	07°11'20"	26°17'36"R	21°10'16"	12°31'21"R	22°20'18"R	03°06'33"R	18°41'00"R	03°34'17"R	04°36'11"	24°27'47"R	24°27'47"R
1986-08-01	11°10'09"	08°08'44"	26°00'44"R	22°15'35"	12°21'32"R	22°16'47"R	03°05'52"R	18°39'40"R	03°33'01"R	04°36'44"	24°24'36"R	24°24'36"R
1986-08-02	23°10'02"	09°06'09"	25°49'28"R	23°20'43"	12°12'27"R	22°13'04"R	03°05'17"R	18°38'24"R	03°31'46"R	04°37'19"	24°21'33"R	24°21'33"R
1986-08-03	04°57'10"	10°03'35"	25°44'08"R	24°25'39"	12°04'06"R	22°09'11"R	03°04'48"R	18°37'10"R	03°30'32"R	04°37'55"	24°09'37"R	24°09'37"R
1986-08-04	17°01'24"	11°01'02"	25°44'59"	25°30'24"	11°56'32"R	22°05'07"R	03°04'24"R	18°35'58"R	03°29'20"R	04°38'34"	23°58'22"R	23°58'22"R
1986-08-05	29°15'37"	11°58'30"	25°52'13"	26°34'57"	11°49'44"R	22°00'52"R	03°04'07"R	18°34'49"R	03°28'09"R	04°39'15"	23°45'46"R	23°45'46"R
1986-08-06	11°40'53"	12°55'59"	26°05'59"	27°39'18"	11°43'45"R	21°56'27"R	03°03'55"R	18°33'43"R	03°26'59"R	04°39'58"	23°33'01"R	23°33'01"R
1986-08-07	24°17'36"	13°53'28"	26°02'22"	28°43'26"	11°38'34"R	21°51'52"R	03°03'49"R	18°32'39"R	03°25'50"R	04°40'42"	23°21'19"R	23°21'19"R
1986-08-08	07°05'46"	14°50'59"	26°05'26"	29°47'21"	11°34'12"R	21°47'07"R	03°03'49"R	18°31'39"R	03°24'43"R	04°41'29"	23°11'39"R	23°11'39"R
1986-08-09	20°05'16"	15°48'31"	27°02'09"	00°51'03"	11°30'41"R	21°42'11"R	03°03'54"R	18°30'40"R	03°23'7"R	04°42'17"	23°04'36"R	23°04'36"R
1986-08-10	03°16'08"	16°46'04"	28°07'30"	01°54'30"	11°28'00"R	21°37'06"R	03°04'06"R	18°29'45"R	03°22'32"R	04°43'08"	23°00'15"R	23°00'15"R
1986-08-11	16°38'41"	17°43'37"	28°54'23"	02°57'43"	11°26'10"R	21°31'52"R	03°04'23"R	18°28'53"R	03°21'29"R	04°44'01"	22°58'11"R	22°58'11"R
1986-08-12	00°13'38"	18°41'11"	29°47'44"	04°00'42"	11°25'11"R	21°26'28"R	03°04'46"R	18°28'03"R	03°20'28"R	04°44'55"	22°57'35"R	22°57'35"R
1986-08-13	14°01'44"	19°38'47"	00°47'22"	05°03'25"	11°25'03"R	21°20'55"R	03°05'16"R	18°27'16"R	03°19'28"R	04°45'52"	22°57'27"R	22°57'27"R
1986-08-14	28°03'27"	20°36'23"	01°53'09"	06°05'52"	11°25'46"R	21°15'14"R	03°05'51"R	18°26'32"R	03°18'29"R	04°46'50"	22°56'41"R	22°56'41"R
1986-08-15	12°18'20"	21°34'00"	03°04'51"	07°08'03"	11°27'20"R	21°09'24"R	03°06'32"R	18°25'51"R	03°17'32"R	04°47'51"	22°54'26"R	22°54'26"R
1986-08-16	26°44'30"	22°31'38"	04°22'14"	08°09'57"	11°29'44"R	21°03'25"R	03°07'18"R	18°25'13"R	03°16'37"R	04°48'53"	22°50'12"R	22°50'12"R
1986-08-17	11°18'15"	23°29'17"	05°45'02"	09°11'34"	11°32'58"R	20°57'19"R	03°08'11"R	18°24'38"R	03°15'43"R	04°49'57"	22°43'56"R	22°43'56"R
1986-08-18	25°54'11"	24°26'57"	07°12'56"	10°12'52"	11°37'02"R	20°51'04"R	03°09'10"R	18°24'06"R	03°14'51"R	04°51'04"	22°36'01"R	22°36'01"R
1986-08-19	10°25'41"	25°24'39"	08°45'36"	11°13'52"	11°41'54"R	20°44'42"R	03°10'14"R	18°23'37"R	03°14'01"R	04°52'12"	22°27'14"R	22°27'14"R
1986-08-20	24°45'51"	26°22'21"	10°22'40"	12°14'33"	11°47'35"R	20°38'12"R	03°11'24"R	18°23'11"R	03°13'12"R	04°53'21"	22°18'32"R	22°18'32"R
1986-08-21	08°48'39"	27°20'05"	12°03'42"	13°14'54"	11°54'03"R	20°31'35"R	03°12'39"R	18°22'47"R	03°12'24"R	04°54'33"	22°10'54"R	22°10'54"R
1986-08-22	22°29'46"	28°17'50"	13°48'20"	14°14'55"	12°01'19"R	20°24'51"R	03°14'00"R	18°22'27"R	03°11'38"R	04°55'46"	22°05'06"R	22°05'06"R
1986-08-23	05°47'11"	29°15'37"	15°36'06"	15°14'35"	12°09'21"R	20°18'00"R	03°15'27"R	18°22'09"R	03°10'54"R	04°57'02"	22°01'34"R	22°01'34"R
1986-08-24	18°41'12"	00°13'25"	17°26'35"	16°13'54"	12°18'09"R	20°11'03"R	03°17'00"R	18°21'55"R	03°10'12"R	04°58'18"	22°00'21"R	22°00'21"R
1986-08-25	01°14'03"	01°11'15"	19°19'21"	17°12'50"	12°27'43"R	20°04'00"R	03°18'38"R	18°21'43"R	03°09'31"R	04°59'37"	22°01'00"R	22°01'00"R
1986-08-26	13°29'20"	02°09'07"	21°13'58"	18°11'25"	12°38'02"R	19°56'50"R	03°20'22"R	18°21'35"R	03°08'52"R	05°00'58"	22°02'47"R	22°02'47"R
1986-08-27	25°31'33"	03°07'00"	23°10'03"	19°09'36"	12°49'05"R	19°49'36"R	03°22'11"R	18°21'30"R	03°08'15"R	05°02'20"	22°04'45"R	22°04'45"R
1986-08-28	07°25'39"	04°04'56"	25°07'13"	20°07'23"	13°00'53"R	19°42'16"R	03°24'07"R	18°21'27"R	03°07'39"R	05°03'44"	22°05'57"R	22°05'57"R
1986-08-29	19°16'44"	05°02'53"	27°05'06"	21°04'46"	13°13'23"R	19°34'51"R	03°26'08"R	18°21'28"R	03°07'06"R	05°05'10"	22°05'35"R	22°05'35"R
1986-08-30	01°09'46"	06°00'52"	29°03'24"	22°01'43"	13°26'36"R	19°27'21"R	03°28'14"R	18°21'32"R	03°06'34"R	05°06'38"	22°03'13"R	22°03'13"R
1986-08-31	13°09'12"	06°58'53"	01°01'51"	22°58'14"	13°40'31"R	19°19'47"R	03°30'26"R	18°21'39"R	03°06'04"R	05°08'07"	21°58'44"R	21°58'44"R
1986-09-01	25°18'47"	07°56'55"	03°00'12"	23°54'17"	13°55'08"R	19°12'09"R	03°32'44"R	18°21'49"R	03°05'36"R	05°09'38"	21°52'29"R	21°52'29"R
1986-09-02	07°41'21"	08°55'00"	04°58'13"	24°49'52"	14°08'26"R	19°04'27"R	03°35'07"R	18°22'02"R	03°05'10"R	05°11'11"	21°45'06"R	21°45'06"R
1986-09-03	20°18'38"	09°53'06"	06°55'44"	25°44'58"	14°26'23"R	18°56'42"R	03°37'36"R	18°22'19"R	03°04'45"R	05°12'45"	21°37'23"R	21°37'23"R

Jan 01, 1980 00:00 AM CCT

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1986-09-04	03°mp11'21"	10°mp51'14"	08°mp52'37"	26°u39'34"	14°vs43'00"	18°x48'54"R	03°x40'10"	18°x22'38"	03°vs04'23"R	05°m14'21"	21°p30'12"R	
1986-09-05	16°mp19'10"	11°mp49'23"	10°mp48'44"	27°u33'38"	15°vs00'17"	18°x41'04"R	03°x42'49"	18°x23'00"	03°vs04'02"R	05°m15'58"	21°p24'15"R	
1986-09-06	29°mp40'58"	12°mp47'35"	12°mp43'59"	28°u27'09"	15°vs18'11"	18°x33'11"R	03°x45'34"	18°x23'26"	03°vs03'43"R	05°m17'37"	21°p19'58"R	
1986-09-07	13°u15'08"	13°mp45'48"	14°mp38'17"	29°u20'07"	15°vs36'43"	18°x25'16"R	03°x48'24"	18°x23'54"	03°vs03'26"R	05°m19'17"	21°p17'29"R	
1986-09-08	26°u59'49"	14°mp44'02"	16°mp31'35"	00°m12'29"	15°vs55'52"	18°x17'20"R	03°x51'19"	18°x24'26"	03°vs03'11"R	05°m20'59"	21°p16'34"R	
1986-09-09	10°m53'21"	15°mp42'18"	18°mp23'51"	01°m04'15"	16°vs15'37"	18°x09'23"R	03°x54'20"	18°x25'01"	03°vs02'58"R	05°m22'43"	21°p16'43"	
1986-09-10	24°m54'11"	16°mp40'36"	20°mp15'01"	01°m55'22"	16°vs35'57"	18°x01'25"R	03°x57'26"	18°x25'39"	03°vs02'47"R	05°m24'28"	21°p17'17"	
1986-09-11	09°x00'54"	17°mp38'55"	22°mp05'06"	02°m45'50"	16°vs56'52"	17°x53'27"R	04°x00'37"	18°x26'20"	03°vs02'38"R	05°m26'14"	21°p17'37"R	
1986-09-12	23°x11'59"	18°mp37'16"	23°mp54'04"	03°m35'36"	17°vs18'21"	17°x45'29"R	04°x03'53"	18°x27'04"	03°vs02'31"R	05°m28'03"	21°p17'09"R	
1986-09-13	07°vs25'30"	19°mp35'38"	25°mp41'55"	04°m24'39"	17°vs40'22"	17°x37'31"R	04°x07'15"	18°x27'52"	03°vs02'26"R	05°m29'52"	21°p15'36"R	
1986-09-14	21°vs38'58"	20°mp34'02"	27°mp28'39"	05°m12'58"	18°vs02'56"	17°x29'34"R	04°x10'41"	18°x28'42"	03°vs02'22"R	05°m31'43"	21°p12'54"R	
1986-09-15	05°x49'16"	21°mp32'27"	29°mp14'17"	06°m00'29"	18°vs26'00"	17°x21'38"R	04°x14'12"	18°x29'35"	03°vs02'21"	05°m33'35"	21°p09'17"R	
1986-09-16	19°x52'52"	22°mp30'54"	00°u58'49"	06°m47'12"	18°vs49'35"	17°x13'44"R	04°x17'49"	18°x30'32"	03°vs02'22"	05°m35'29"	21°p05'11"R	
1986-09-17	03°x46'00"	23°mp29'23"	02°u42'16"	07°m33'04"	19°vs13'40"	17°x05'51"R	04°x21'30"	18°x31'31"	03°vs02'24"	05°m37'23"	21°p01'10"R	
1986-09-18	17°x25'11"	24°mp27'53"	04°u24'38"	08°m18'04"	19°vs38'13"	16°x58'00"R	04°x25'16"	18°x32'33"	03°vs02'29"	05°m39'19"	20°p57'47"R	
1986-09-19	00°p47'43"	25°mp26'26"	06°u05'58"	09°m02'09"	20°vs03'14"	16°x50'12"R	04°x29'06"	18°x33'38"	03°vs02'35"	05°m41'17"	20°p55'28"R	
1986-09-20	13°p52'01"	26°mp25'00"	07°u46'16"	09°m45'18"	20°vs28'43"	16°x42'26"R	04°x33'02"	18°x34'47"	03°vs02'44"	05°m43'15"	20°p54'26"R	
1986-09-21	26°p37'56"	27°mp23'36"	09°u25'33"	10°m27'28"	20°vs54'38"	16°x34'44"R	04°x37'02"	18°x35'58"	03°vs02'54"	05°m45'15"	20°p54'43"	
1986-09-22	09°x06'39"	28°mp22'14"	11°u03'49"	11°m08'37"	21°vs21'00"	16°x27'05"R	04°x41'06"	18°x37'12"	03°vs03'07"	05°m47'16"	20°p56'03"	
1986-09-23	21°x20'31"	29°mp20'55"	12°u41'07"	11°m48'43"	21°vs47'47"	16°x19'30"R	04°x45'16"	18°x38'29"	03°vs03'21"	05°m49'18"	20°p58'05"	
1986-09-24	03°p22'53"	00°u19'37"	14°u17'28"	12°m27'43"	22°vs14'59"	16°x12'00"R	04°x49'30"	18°x39'49"	03°vs03'37"	05°m51'21"	21°p00'18"	
1986-09-25	15°p17'44"	01°u18'22"	15°u52'51"	13°m05'35"	22°vs42'36"	16°x04'33"R	04°x53'48"	18°x41'12"	03°vs03'56"	05°m53'26"	21°p02'14"	
1986-09-26	27°p09'32"	02°u17'09"	17°u27'18"	13°m42'16"	23°vs10'37"	15°x57'12"R	04°x58'11"	18°x42'38"	03°vs04'16"	05°m55'31"	21°p03'31"	
1986-09-27	09°x03'04"	03°u15'59"	19°u00'49"	14°m17'44"	23°vs39'01"	15°x49'56"R	05°x02'39"	18°x44'07"	03°vs04'39"	05°m57'38"	21°p03'55"R	
1986-09-28	21°x03'07"	04°u14'50"	20°u33'25"	14°m51'54"	24°vs07'49"	15°x42'45"R	05°x07'11"	18°x45'39"	03°vs05'03"	05°m59'46"	21°p03'26"R	
1986-09-29	03°u14'10"	05°u13'44"	22°u05'07"	15°m24'46"	24°vs36'58"	15°x35'40"R	05°x11'47"	18°x47'14"	03°vs05'29"	06°m01'55"	21°p02'10"R	
1986-09-30	15°u40'08"	06°u12'40"	23°u35'55"	15°m56'14"	25°vs06'31"	15°x28'41"R	05°x16'27"	18°x48'51"	03°vs05'58"	06°m04'04"	21°p00'23"R	
1986-10-01	28°u24'02"	07°u11'39"	25°u05'48"	16°m26'17"	25°vs36'24"	15°x21'48"R	05°x21'12"	18°x50'31"	03°vs06'28"	06°m06'15"	20°p58'23"R	
1986-10-02	11°mp27'41"	08°u10'39"	26°u34'47"	16°m54'50"	26°vs06'39"	15°x15'02"R	05°x26'01"	18°x52'14"	03°vs07'00"	06°m08'27"	20°p56'29"R	
1986-10-03	24°mp51'33"	09°u09'42"	28°u02'52"	17°m21'51"	26°vs37'15"	15°x08'23"R	05°x30'53"	18°x54'00"	03°vs07'34"	06°m10'39"	20°p54'52"R	
1986-10-04	08°u34'31"	10°u08'46"	29°u30'01"	17°m47'15"	27°vs08'11"	15°x01'51"R	05°x35'50"	18°x55'49"	03°vs08'10"	06°m12'53"	20°p53'40"R	
1986-10-05	22°u34'03"	11°u07'53"	00°m56'15"	18°m11'00"	27°vs39'27"	14°x55'28"R	05°x40'51"	18°x57'40"	03°vs08'49"	06°m15'07"	20°p52'53"R	
1986-10-06	06°m46'25"	12°u07'02"	02°m21'32"	18°m33'00"	28°vs11'03"	14°x49'12"R	05°x45'56"	18°x59'34"	03°vs09'29"	06°m17'22"	20°p52'05"R	
1986-10-07	21°m07'07"	13°u06'13"	03°m45'52"	18°m53'14"	28°vs42'57"	14°x43'04"R	05°x51'05"	19°x01'31"	03°vs10'11"	06°m19'38"	20°p52'07"R	
1986-10-08	05°x31'29"	14°u05'25"	05°m09'11"	19°m11'35"	29°vs15'11"	14°x37'05"R	05°x56'18"	19°x03'31"	03°vs10'55"	06°m21'55"	20°p51'51"R	
1986-10-09	19°x55'09"	15°u04'40"	06°m31'29"	19°m28'01"	29°vs47'42"	14°x31'15"R	06°x01'35"	19°x05'33"	03°vs11'41"	06°m24'12"	20°p51'31"R	
1986-10-10	04°vs14'21"	16°u03'56"	07°m52'43"	19°m42'27"	00°x20'31"	14°x25'33"R	06°x06'55"	19°x07'38"	03°vs12'29"	06°m26'30"	20°p51'05"R	
1986-10-11	18°vs26'08"	17°u03'14"	09°m12'49"	19°m54'50"	00°x53'37"	14°x20'01"R	06°x12'19"	19°x09'45"	03°vs13'19"	06°m28'49"	20°p50'37"R	
1986-10-12	02°x28'17"	18°u02'33"	10°m31'46"	20°m05'06"	01°x26'59"	14°x14'39"R	06°x17'46"	19°x11'55"	03°vs14'11"	06°m31'09"	20°p50'11"R	
1986-10-13	16°x19'17"	19°u01'55"	11°m49'28"	20°m13'11"	02°x00'37"	14°x09'26"R	06°x23'17"	19°x14'08"	03°vs15'04"	06°m33'29"	20°p49'56"R	
1986-10-14	29°x58'08"	20°u01'18"	13°m05'51"	20°m19'02"	02°x34'31"	14°x04'22"R	06°x28'52"	19°x16'23"	03°vs16'00"	06°m35'50"	20°p49'56"	
1986-10-15	13°x24'08"	21°u00'43"	14°m20'50"	20°m22'35"	03°x08'39"	13°x59'29"R	06°x34'29"	19°x18'40"	03°vs16'57"	06°m38'11"	20°p50'15"	
1986-10-16	26°x36'48"	22°u00'09"	15°m34'19"	20°m23'49"	03°x43'02"	13°x54'46"R	06°x40'10"	19°x21'00"	03°vs17'56"	06°m40'32"	20°p50'51"	
1986-10-17	09°p35'52"	22°u59'38"	16°m46'10"	20°m22'41"R	04°x17'39"	13°x50'13"R	06°x45'54"	19°x23'22"	03°vs18'57"	06°m42'54"	20°p51'35"	
1986-10-18	22°p21'15"	23°u59'08"	17°m56'17"	20°m19'10"R	04°x52'30"	13°x45'51"R	06°x51'42"	19°x25'47"	03°vs20'00"	06°m45'17"	20°p52'19"	
1986-10-19	04°x53'20"	24°u58'41"	19°m04'30"	20°m13'13"R	05°x27'35"	13°x41'39"R	06°x57'32"	19°x28'14"	03°vs21'04"	06°m47'40"	20°p52'51"	
1986-10-20	17°x13'01"	25°u58'15"	20°m10'39"	20°m04'51"R	06°x02'52"	13°x37'38"R	07°x03'26"	19°x30'43"	03°vs22'10"	06°m50'03"	20°p53'03"R	
1986-10-21	29°x21'48"	26°u57'52"	21°m14'32"	19°m54'03"R	06°x38'22"	13°x33'48"R	07°x09'23"	19°x33'14"	03°vs23'19"	06°m52'27"	20°p52'50"R	
1986-10-22	11°p21'48"	27°u57'31"	22°m15'56"	19°m40'51"R	07°x14'04"	13°x30'09"R	07°x15'23"	19°x35'48"	03°vs24'29"	06°m54'51"	20°p52'15"R	
1986-10-23	23°p15'48"	28°u57'12"	23°m14'35"	19°m25'17"R	07°x49'59"	13°x26'42"R	07°x21'25"	19°x38'24"	03°vs25'40"	06°m57'16"	20°p51'25"R	
1986-10-24	05°x07'08"	29°u56'55"	24°m10'13"	19°m07'22"R	08°x26'05"	13°x23'26"R	07°x27'31"	19°x41'03"	03°vs26'54"	06°m59'41"	20°p50'34"R	
1986-10-25	16°x59'46"	00°m56'41"	25°m02'30"	18°m47'10"R	09°x02'23"	13°x20'21"R	07°x33'40"	19°x43'43"	03°vs28'09"	07°m02'06"	20°p49'54"R	
1986-10-26	28°x58'05"	01°m56'29"	25°m51'05"	18°m24'47"R	09°x38'53"	13°x17'28"R	07°x39'51"	19°x46'26"	03°vs29'26"	07°m04'31"	20°p49'39"	

Jan 01, 1980 00:00 AM CCT

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1986-10-27	11° 20'46"44"	02° 03'56"19"	26° 03'35"33"	18° 00'00"18" R	10° 22'15"33"	13° 22'14"46" R	07° 22'46"05"	19° 22'49"11"	03° 22'30'45"	07° 02'06'56"	20° 02'49'55"	
1986-10-28	23° 22'23'17"	03° 03'56"11"	27° 03'15"29"	17° 03'33'49" R	10° 22'52"24"	13° 22'12"16" R	07° 22'52"21"	19° 22'51'58"	03° 22'32'05"	07° 02'09'22"	20° 02'49'40"	
1986-10-29	06° 02'12'58"	04° 03'56"05"	27° 03'50"22"	17° 03'05'29" R	11° 22'29'26"	13° 22'09'59" R	07° 22'58'40"	19° 22'54'46"	03° 22'33'27"	07° 02'11'48"	20° 02'51'45"	
1986-10-30	19° 02'18'10"	05° 03'56"02"	28° 03'19'40"	16° 03'35'27" R	12° 22'06'39"	13° 22'07'52" R	08° 22'05'01"	19° 22'57'37"	03° 22'34'50"	07° 02'14'13"	20° 02'52'53"	
1986-10-31	02° 02'48'00"	06° 03'56"00"	28° 03'42'49"	16° 03'03'53" R	12° 22'44'01"	13° 22'05'59" R	08° 22'11'25"	20° 22'00'30"	03° 22'36'16"	07° 02'16'39"	20° 02'53'41"	
1986-11-01	16° 02'42'45"	07° 03'56"01"	28° 03'59'11"	15° 03'30'57" R	13° 22'21'34"	13° 22'04'17" R	08° 22'17'52"	20° 22'03'25"	03° 22'37'42"	07° 02'19'05"	20° 02'53'50" R	
1986-11-02	01° 02'00'30"	08° 03'56"03"	29° 03'08'10"	14° 03'56'53" R	13° 22'59'16"	13° 22'02'47" R	08° 22'24'20"	20° 22'06'21"	03° 22'39'11"	07° 02'21'31"	20° 02'53'04" R	
1986-11-03	15° 02'36'51"	09° 03'56"08"	29° 03'09'07" R	14° 03'21'52" R	14° 22'37'08"	13° 22'01'30" R	08° 22'30'51"	20° 22'09'20"	03° 22'40'41"	07° 02'23'57"	20° 02'51'17" R	
1986-11-04	00° 22'25'18"	10° 03'56"14"	29° 03'01'26" R	13° 03'46'08" R	15° 22'15'10"	13° 22'00'25" R	08° 22'37'24"	20° 22'12'20"	03° 22'42'12"	07° 02'26'23"	20° 02'48'35" R	
1986-11-05	15° 22'18'02"	11° 03'56'23"	28° 03'44'35" R	13° 03'09'55" R	15° 22'53'20"	12° 22'59'33" R	08° 22'44'00"	20° 22'15'23"	03° 22'43'45"	07° 02'28'48"	20° 02'45'15" R	
1986-11-06	00° 22'07'03"	12° 03'56'33"	28° 03'18'11" R	12° 03'33'28" R	16° 22'31'40"	12° 22'58'53" R	08° 22'50'37"	20° 22'18'27"	03° 22'45'20"	07° 02'31'14"	20° 02'41'44" R	
1986-11-07	14° 22'45'18"	13° 03'56'44"	27° 03'42'00" R	11° 03'57'01" R	17° 22'10'08"	12° 22'58'25" R	08° 22'57'16"	20° 22'21'32"	03° 22'46'57"	07° 02'33'40"	20° 02'38'35" R	
1986-11-08	29° 22'07'35"	14° 03'56'57"	26° 03'56'06" R	11° 03'20'49" R	17° 22'48'44"	12° 22'58'10" R	09° 22'03'57"	20° 22'24'40"	03° 22'48'34"	07° 02'36'05"	20° 02'36'15" R	
1986-11-09	13° 22'10'51"	15° 03'57'12"	26° 03'00'54" R	10° 03'45'07" R	18° 22'27'28"	12° 22'58'07"	09° 22'10'40"	20° 22'27'49"	03° 22'50'13"	07° 02'38'30"	20° 02'35'05" R	
1986-11-10	26° 22'54'11"	16° 03'57'28"	24° 03'57'14" R	10° 03'10'09" R	19° 22'06'20"	12° 22'58'17"	09° 22'17'25"	20° 22'30'59"	03° 22'51'54"	07° 02'40'54"	20° 02'35'13" R	
1986-11-11	10° 22'18'15"	17° 03'57'45"	23° 03'46'23" R	09° 03'36'09" R	19° 22'45'19"	12° 22'58'38"	09° 22'24'11"	20° 22'34'11"	03° 22'53'35"	07° 02'43'19"	20° 02'36'28"	
1986-11-12	23° 22'24'44"	18° 03'58'03"	22° 03'30'07" R	09° 03'03'20" R	20° 22'24'25"	12° 22'59'13"	09° 22'30'59"	20° 22'37'25"	03° 22'55'19"	07° 02'45'42"	20° 02'38'28"	
1986-11-13	06° 22'15'46"	19° 03'58'23"	21° 03'10'36" R	08° 03'31'56" R	21° 22'03'37"	12° 22'59'59"	09° 22'37'48"	20° 22'40'39"	03° 22'57'03"	07° 02'48'06"	20° 02'40'34"	
1986-11-14	18° 22'53'30"	20° 03'58'45"	19° 03'50'19" R	08° 03'02'07" R	21° 22'42'56"	13° 22'00'58"	09° 22'44'39"	20° 22'43'56"	03° 22'58'49"	07° 02'50'29"	20° 02'42'06"	
1986-11-15	01° 22'19'52"	21° 03'59'08"	18° 03'31'53" R	07° 03'34'05" R	22° 22'22'22"	13° 22'02'09"	09° 22'51'32"	20° 22'47'13"	04° 22'00'36"	07° 02'52'52"	20° 02'42'24" R	
1986-11-16	13° 22'23'36"33"	22° 03'59'33"	17° 03'17'54" R	07° 03'07'58" R	23° 22'01'53"	13° 22'03'32"	09° 22'58'25"	20° 22'50'32"	04° 22'02'24"	07° 02'55'14"	20° 02'41'00" R	
1986-11-17	25° 22'45'02"	23° 03'59'59"	16° 03'10'42" R	06° 03'43'56" R	23° 22'41'31"	13° 22'05'08"	10° 22'05'20"	20° 22'53'53"	04° 22'04'14"	07° 02'57'36"	20° 02'37'43" R	
1986-11-18	07° 22'46'42"	25° 03'00'27"	15° 03'12'15" R	06° 03'22'04" R	24° 22'21'14"	13° 22'06'55"	10° 22'12'16"	20° 22'57'14"	04° 22'06'05"	07° 02'59'57"	20° 02'32'41" R	
1986-11-19	19° 22'43'00"	26° 03'00'56"	14° 03'24'02" R	06° 03'02'30" R	25° 22'01'03"	13° 22'08'55"	10° 22'19'14"	21° 22'00'37"	04° 22'07'57"	08° 03'02'18"	20° 02'26'21" R	
1986-11-20	01° 22'35'39"	27° 03'01'28"	13° 03'47'00" R	05° 03'45'18" R	25° 22'40'58"	13° 22'11'07"	10° 22'26'12"	21° 22'04'01"	04° 22'09'50"	08° 03'04'38"	20° 02'19'25" R	
1986-11-21	13° 22'26'47"	28° 03'02'00"	13° 03'21'37" R	05° 03'30'31" R	26° 22'20'57"	13° 22'13'31"	10° 22'33'12"	21° 22'07'26"	04° 22'11'44"	08° 03'06'57"	20° 02'12'41" R	
1986-11-22	25° 22'19'08"	29° 03'02'35"	13° 03'07'55" R	05° 03'18'12" R	27° 22'01'02"	13° 22'16'06"	10° 22'40'13"	21° 22'10'53"	04° 22'13'40"	08° 03'09'16"	20° 02'06'55" R	
1986-11-23	07° 22'16'06"	00° 22'03'11"	13° 03'05'35"	05° 03'08'22" R	27° 22'41'12"	13° 22'18'54"	10° 22'47'14"	21° 22'14'20"	04° 22'15'36"	08° 03'11'34"	20° 02'02'41" R	
1986-11-24	19° 22'21'41"	01° 22'03'49"	13° 03'14'00"	05° 03'01'03" R	28° 22'21'26"	13° 22'21'53"	10° 22'54'16"	21° 22'17'48"	04° 22'17'34"	08° 03'13'52"	20° 02'00'13" R	
1986-11-25	01° 22'40'20"	02° 22'04'28"	13° 03'32'27"	04° 03'56'13" R	29° 22'01'45"	13° 22'25'04"	11° 22'01'19"	21° 22'21'17"	04° 22'19'33"	08° 03'16'08"	19° 02'59'26" R	
1986-11-26	14° 22'16'40"	03° 22'05'10"	14° 03'00'03"	04° 03'53'53" R	29° 22'42'09"	13° 22'28'27"	11° 22'08'23"	21° 22'24'48"	04° 22'21'32"	08° 03'18'24"	19° 02'59'50"	
1986-11-27	27° 22'15'11"	04° 22'05'52"	14° 03'35'56"	04° 03'54'00"	00° 22'23'38"	13° 22'32'01"	11° 22'15'27"	21° 22'28'19"	04° 22'23'33"	08° 03'20'39"	20° 02'00'43"	
1986-11-28	10° 22'39'38"	05° 22'06'37"	15° 03'19'13"	04° 03'56'34"	01° 22'03'11"	13° 22'35'47"	11° 22'22'32"	21° 22'31'50"	04° 22'25'34"	08° 03'22'53"	20° 02'01'12" R	
1986-11-29	24° 22'32'21"	06° 22'07'23"	16° 03'09'01"	05° 03'01'30"	01° 22'43'48"	13° 22'39'45"	11° 22'29'38"	21° 22'35'23"	04° 22'27'37"	08° 03'25'07"	20° 02'00'29" R	
1986-11-30	08° 22'53'22"	07° 22'08'10"	17° 03'04'35"	05° 03'08'46"	02° 22'43'30"	13° 22'43'54"	11° 22'36'44"	21° 22'38'56"	04° 22'29'40"	08° 03'27'19"	19° 02'57'59" R	
1986-12-01	23° 22'39'33"	08° 22'08'59"	18° 03'05'10"	05° 03'18'19"	03° 22'05'16"	13° 22'48'14"	11° 22'43'50"	21° 22'42'31"	04° 22'31'45"	08° 03'29'30"	19° 02'53'27" R	
1986-12-02	08° 22'44'27"	09° 22'09'49"	19° 03'10'06"	05° 03'30'05"	03° 22'46'07"	13° 22'52'46"	11° 22'50'57"	21° 22'46'06"	04° 22'33'50"	08° 03'31'41"	19° 02'47'04" R	
1986-12-03	23° 22'58'42"	10° 22'10'40"	20° 03'18'50"	05° 03'44'02"	04° 22'27'01"	13° 22'57'29"	11° 22'58'04"	21° 22'49'41"	04° 22'35'56"	08° 03'33'51"	19° 02'39'21" R	
1986-12-04	09° 22'11'33"	11° 22'11'33"	21° 03'30'50"	06° 03'00'04"	05° 22'07'59"	14° 22'02'23"	12° 22'05'11"	21° 22'53'17"	04° 22'38'03"	08° 03'35'59"	19° 02'31'08" R	
1986-12-05	24° 22'12'33"	12° 22'12'27"	22° 03'45'38"	06° 03'18'08"	05° 22'49'01"	14° 22'07'28"	12° 22'12'18"	21° 22'56'54"	04° 22'40'11"	08° 03'38'07"	19° 02'23'21" R	
1986-12-06	08° 22'53'23"	13° 22'13'21"	24° 03'02'51"	06° 03'38'10"	06° 22'30'06"	14° 22'12'45"	12° 22'19'26"	22° 22'00'31"	04° 22'42'20"	08° 03'40'13"	19° 02'16'53" R	
1986-12-07	23° 22'08'51"	14° 22'14'16"	25° 03'22'09"	07° 03'00'06"	07° 22'11'14"	14° 22'18'11"	12° 22'26'33"	22° 22'04'08"	04° 22'44'29"	08° 03'42'18"	19° 02'12'21" R	
1986-12-08	06° 22'57'10"	15° 22'15'12"	26° 03'43'14"	07° 03'23'53"	07° 22'52'25"	14° 22'23'49"	12° 22'33'40"	22° 22'07'46"	04° 22'46'38"	08° 03'44'22"	19° 02'09'58" R	
1986-12-09	20° 22'19'20"	16° 22'16'08"	28° 03'05'51"	07° 03'49'28"	08° 22'33'40"	14° 22'29'37"	12° 22'40'46"	22° 22'11'24"	04° 22'48'48"	08° 03'46'25"	19° 02'09'30"	
1986-12-10	03° 22'18'18"	17° 22'17'05"	29° 03'29'47"	08° 03'16'45"	09° 22'14'57"	14° 22'35'36"	12° 22'47'52"	22° 22'15'02"	04° 22'50'59"	08° 03'48'27"	19° 02'10'17"	
1986-12-11	15° 22'57'54"	18° 22'18'03"	00° 22'54'51"	08° 03'45'43"	09° 22'56'16"	14° 22'41'44"	12° 22'54'58"	22° 22'18'41"	04° 22'53'11"	08° 03'50'27"	19° 02'11'21"	
1986-12-12	28° 22'22'10"	19° 22'19'01"	02° 22'20'52"	09° 03'16'17"	10° 22'37'38"	14° 22'48'04"	13° 22'02'04"	22° 22'22'19"	04° 22'55'23"	08° 03'52'26"	19° 02'11'34" R	
1986-12-13	10° 22'34'53"	20° 22'20'00"	03° 22'47'45"	09° 03'48'24"	11° 22'19'02"	14° 22'54'33"	13° 22'09'09"	22° 22'25'58"	04° 22'57'35"	08° 03'54'24"	19° 02'09'56" R	
1986-12-14	22° 22'39'17"	21° 22'21'00"	05° 22'15'21"	10° 03'22'01"	12° 22'00'28"	15° 22'01'12"	13° 22'16'13"	22° 22'29'37"	04° 22'59'48"	08° 03'56'20"	19° 02'05'40" R	
1986-12-15	04° 22'38'01"	22° 22'22'00"	06° 22'43'35"	10° 03'57'04"	12° 22'41'57"	15° 22'08'01"	13° 22'23'17"	22° 22'33'16"	05° 22'02'01"	08° 03'58'15"	18° 02'58'28" R	
1986-12-16	16° 22'33'09"	23° 22'23'01"	08° 22'12'22"	11° 03'33'31"	13° 22'23'27"	15° 22'15'00"	13° 22'30'20"	22° 22'36'55"	05° 22'04'15"	09° 03'00'09"	18° 02'48'30" R	
1986-12-17	28° 22'26'16"	24° 22'24'03"	09° 22'41'38"	12° 03'11'17"	14° 22'04'59"	15° 22'22'09"	13° 22'37'23"	22° 22'40'35"	05° 22'06'29"	09° 03'02'01"	18° 02'36'27" R	
1986-12-18	10° 22'18'40"	25° 22'25'05"	11° 22'11'21"	12° 03'50'21"	14° 22'46'33"	15° 22'29'27"	13° 22'44'24"	22° 22'44'14"	05° 22'08'44"	09° 03'03'52"	18° 02'23'21" R	

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1986-12-19	22°☾11'39"	26°♁26'08"	12°♁41'26"	13°♁30'39"	15°♁28'09"	15°♁36'55"	13°♁51'25"	22°♁47'52"	05°♁10'59"	09°♁05'42"	18°♁10'26"	R
1986-12-20	04°♁06'50"	27°♁27'12"	14°♁11'53"	14°♁12'09"	16°♁09'46"	15°♁44'32"	13°♁58'25"	22°♁51'31"	05°♁13'14"	09°♁07'29"	17°♁58'50"	R
1986-12-21	16°♁06'21"	28°♁28'17"	15°♁42'39"	14°♁54'47"	16°♁51'25"	15°♁52'18"	14°♁05'23"	22°♁55'10"	05°♁15'30"	09°♁09'16"	17°♁49'28"	R
1986-12-22	28°♁13'02"	29°♁29'22"	17°♁13'44"	15°♁38'31"	17°♁33'05"	16°♁00'13"	14°♁12'21"	22°♁58'48"	05°♁17'45"	09°♁11'01"	17°♁42'47"	R
1986-12-23	10°♁30'21"	00°♁30'28"	18°♁45'05"	16°♁23'18"	18°♁14'47"	16°♁08'18"	14°♁19'18"	23°♁02'26"	05°♁20'01"	09°♁12'44"	17°♁38'44"	R
1986-12-24	23°♁02'21"	01°♁31'34"	20°♁16'43"	17°♁09'07"	18°♁56'29"	16°♁16'31"	14°♁26'13"	23°♁06'03"	05°♁22'17"	09°♁14'26"	17°♁36'45"	R
1986-12-25	05°♁53'27"	02°♁32'42"	21°♁48'38"	17°♁55'53"	19°♁38'14"	16°♁24'53"	14°♁33'07"	23°♁09'40"	05°♁24'33"	09°♁16'06"	17°♁35'54"	R
1986-12-26	19°♁07'58"	03°♁33'50"	23°♁20'48"	18°♁43'36"	20°♁19'59"	16°♁33'23"	14°♁39'59"	23°♁13'17"	05°♁26'49"	09°♁17'44"	17°♁35'01"	R
1986-12-27	02°♁49'33"	04°♁34'58"	24°♁53'14"	19°♁32'13"	21°♁01'46"	16°♁42'03"	14°♁46'50"	23°♁16'53"	05°♁29'06"	09°♁19'21"	17°♁33'01"	R
1986-12-28	17°♁00'06"	05°♁36'08"	26°♁25'55"	20°♁21'41"	21°♁43'34"	16°♁50'51"	14°♁53'40"	23°♁20'29"	05°♁31'22"	09°♁20'56"	17°♁29'01"	R
1986-12-29	01°♁38'46"	06°♁37'17"	27°♁58'54"	21°♁11'58"	22°♁25'24"	16°♁59'47"	15°♁00'28"	23°♁24'04"	05°♁33'39"	09°♁22'30"	17°♁22'37"	R
1986-12-30	16°♁41'00"	07°♁38'28"	29°♁32'08"	22°♁03'04"	23°♁07'14"	17°♁08'52"	15°♁07'15"	23°♁27'39"	05°♁35'55"	09°♁24'01"	17°♁13'52"	R
1986-12-31	01°♁58'34"	08°♁39'39"	01°♁05'40"	22°♁54'54"	23°♁49'06"	17°♁18'05"	15°♁14'00"	23°♁31'13"	05°♁38'12"	09°♁25'31"	17°♁03'21"	R
1987-01-01	17°♁20'31"	09°♁40'49"	02°♁39'30"	23°♁47'28"	24°♁30'59"	17°♁27'26"	15°♁20'43"	23°♁34'46"	05°♁40'28"	09°♁27'00"	16°♁52'01"	R
1987-01-02	02°♁34'55"	10°♁42'00"	04°♁13'37"	24°♁40'44"	25°♁12'52"	17°♁36'55"	15°♁27'24"	23°♁38'18"	05°♁42'44"	09°♁28'26"	16°♁41'00"	R
1987-01-03	17°♁31'04"	11°♁43'11"	05°♁48'04"	25°♁34'40"	25°♁54'47"	17°♁46'32"	15°♁34'03"	23°♁41'50"	05°♁45'00"	09°♁29'51"	16°♁31'23"	R
1987-01-04	02°♁01'14"	12°♁44'22"	07°♁22'50"	26°♁29'15"	26°♁36'42"	17°♁56'16"	15°♁40'40"	23°♁45'21"	05°♁47'16"	09°♁31'13"	16°♁23'58"	R
1987-01-05	16°♁01'32"	13°♁45'32"	08°♁57'57"	27°♁24'26"	27°♁18'38"	18°♁06'08"	15°♁47'15"	23°♁48'50"	05°♁49'31"	09°♁32'34"	16°♁19'09"	R
1987-01-06	29°♁31'42"	14°♁46'42"	10°♁33'26"	28°♁20'13"	28°♁00'34"	18°♁16'08"	15°♁53'48"	23°♁52'19"	05°♁51'47"	09°♁33'53"	16°♁16'45"	R
1987-01-07	12°♁34'18"	15°♁47'52"	12°♁09'16"	29°♁16'35"	28°♁42'30"	18°♁26'15"	16°♁00'18"	23°♁55'47"	05°♁54'01"	09°♁35'10"	16°♁16'06"	R
1987-01-08	25°♁13'32"	16°♁49'01"	13°♁45'30"	00°♁13'30"	29°♁24'27"	18°♁36'28"	16°♁06'46"	23°♁59'13"	05°♁56'16"	09°♁36'25"	16°♁16'10"	R
1987-01-09	07°♁34'17"	17°♁50'10"	15°♁22'08"	01°♁10'57"	00°♁06'24"	18°♁46'49"	16°♁13'12"	24°♁02'39"	05°♁58'30"	09°♁37'38"	16°♁15'41"	R
1987-01-10	19°♁41'30"	18°♁51'19"	16°♁59'11"	02°♁08'54"	00°♁48'21"	18°♁57'17"	16°♁19'35"	24°♁06'03"	06°♁00'44"	09°♁38'49"	16°♁13'28"	R
1987-01-11	01°♁39'43"	19°♁52'27"	18°♁36'40"	03°♁07'22"	01°♁30'18"	19°♁07'52"	16°♁25'56"	24°♁09'27"	06°♁02'58"	09°♁39'58"	16°♁08'37"	R
1987-01-12	13°♁32'52"	20°♁53'34"	20°♁14'36"	04°♁06'19"	02°♁12'15"	19°♁18'34"	16°♁32'15"	24°♁12'49"	06°♁05'11"	09°♁41'05"	16°♁00'41"	R
1987-01-13	25°♁24'08"	21°♁54'41"	21°♁52'59"	05°♁05'44"	02°♁54'12"	19°♁29'22"	16°♁38'30"	24°♁16'10"	06°♁07'23"	09°♁42'11"	15°♁49'46"	R
1987-01-14	07°♁15'56"	22°♁55'48"	23°♁31'50"	06°♁05'35"	03°♁36'08"	19°♁40'17"	16°♁44'43"	24°♁19'29"	06°♁09'36"	09°♁43'14"	15°♁26'31"	R
1987-01-15	19°♁10'00"	23°♁56'54"	25°♁11'10"	07°♁05'53"	04°♁18'04"	19°♁51'18"	16°♁50'54"	24°♁22'48"	06°♁11'47"	09°♁44'15"	15°♁22'01"	R
1987-01-16	01°♁07'33"	24°♁58'00"	26°♁50'59"	08°♁06'36"	05°♁00'00"	20°♁02'25"	16°♁57'01"	24°♁26'05"	06°♁13'58"	09°♁45'15"	15°♁07'31"	R
1987-01-17	13°♁09'40"	25°♁59'05"	28°♁31'17"	09°♁07'43"	05°♁41'56"	20°♁13'39"	17°♁03'06"	24°♁29'20"	06°♁16'08"	09°♁46'12"	14°♁54'18"	R
1987-01-18	25°♁17'30"	27°♁00'10"	00°♁12'04"	10°♁09'13"	06°♁23'51"	20°♁24'58"	17°♁09'07"	24°♁32'34"	06°♁18'18"	09°♁47'07"	14°♁43'24"	R
1987-01-19	07°♁32'38"	28°♁01'15"	01°♁53'20"	11°♁11'06"	07°♁05'46"	20°♁36'24"	17°♁15'06"	24°♁35'46"	06°♁20'27"	09°♁48'00"	14°♁35'22"	R
1987-01-20	19°♁57'07"	29°♁02'19"	03°♁35'04"	12°♁13'21"	07°♁47'40"	20°♁47'55"	17°♁21'01"	24°♁38'57"	06°♁22'36"	09°♁48'51"	14°♁30'17"	R
1987-01-21	02°♁33'37"	00°♁03'23"	05°♁17'16"	13°♁15'57"	08°♁29'34"	20°♁59'32"	17°♁26'53"	24°♁42'06"	06°♁24'43"	09°♁49'39"	14°♁27'39"	R
1987-01-22	15°♁25'20"	01°♁04'26"	06°♁59'54"	14°♁18'54"	09°♁11'27"	21°♁11'15"	17°♁32'42"	24°♁45'14"	06°♁26'50"	09°♁50'26"	14°♁26'36"	R
1987-01-23	28°♁35'47"	02°♁05'29"	08°♁42'56"	15°♁22'10"	09°♁53'20"	21°♁23'03"	17°♁38'28"	24°♁48'20"	06°♁28'56"	09°♁51'11"	14°♁25'58"	R
1987-01-24	12°♁08'17"	03°♁06'31"	10°♁26'20"	16°♁25'45"	10°♁35'12"	21°♁34'57"	17°♁44'11"	24°♁51'24"	06°♁31'01"	09°♁51'53"	14°♁24'37"	R
1987-01-25	26°♁05'15"	04°♁07'34"	12°♁10'02"	17°♁29'38"	11°♁17'05"	21°♁46'57"	17°♁49'50"	24°♁54'27"	06°♁33'06"	09°♁52'33"	14°♁21'39"	R
1987-01-26	10°♁27'11"	05°♁08'35"	13°♁53'58"	18°♁33'49"	11°♁58'56"	21°♁59'01"	17°♁55'26"	24°♁57'28"	06°♁35'10"	09°♁53'12"	14°♁16'30"	R
1987-01-27	25°♁11'46"	06°♁09'37"	15°♁38'03"	19°♁38'16"	12°♁40'48"	22°♁11'11"	18°♁00'58"	25°♁00'27"	06°♁37'13"	09°♁53'48"	14°♁09'10"	R
1987-01-28	10°♁13'24"	07°♁10'37"	17°♁22'10"	20°♁43'00"	13°♁22'38"	22°♁23'26"	18°♁06'26"	25°♁03'24"	06°♁39'15"	09°♁54'22"	14°♁00'04"	R
1987-01-29	25°♁23'30"	08°♁11'37"	19°♁06'12"	21°♁47'59"	14°♁04'29"	22°♁35'47"	18°♁11'51"	25°♁06'19"	06°♁41'16"	09°♁54'54"	13°♁50'03"	R
1987-01-30	10°♁31'40"	09°♁12'36"	20°♁49'59"	22°♁53'13"	14°♁46'19"	22°♁48'12"	18°♁17'12"	25°♁09'13"	06°♁43'16"	09°♁55'23"	13°♁40'10"	R
1987-01-31	25°♁27'26"	10°♁13'34"	22°♁33'19"	23°♁58'41"	15°♁28'08"	23°♁00'41"	18°♁22'29"	25°♁12'04"	06°♁45'15"	09°♁55'51"	13°♁31'26"	R
1987-02-01	10°♁02'05"	11°♁14'31"	24°♁16'00"	25°♁04'23"	16°♁09'56"	23°♁13'16"	18°♁27'43"	25°♁14'53"	06°♁47'12"	09°♁56'16"	13°♁24'42"	R
1987-02-02	24°♁09'55"	12°♁15'27"	25°♁57'45"	26°♁10'18"	16°♁51'44"	23°♁25'54"	18°♁32'52"	25°♁17'40"	06°♁49'09"	09°♁56'39"	13°♁20'23"	R
1987-02-03	07°♁48'42"	13°♁16'21"	27°♁38'17"	27°♁16'26"	17°♁33'30"	23°♁38'38"	18°♁37'57"	25°♁20'25"	06°♁51'05"	09°♁56'59"	13°♁18'29"	R
1987-02-04	20°♁59'15"	14°♁17'14"	29°♁17'14"	28°♁22'46"	18°♁15'16"	23°♁51'25"	18°♁42'58"	25°♁23'07"	06°♁52'59"	09°♁57'18"	13°♁18'28"	R
1987-02-05	03°♁44'38"	15°♁18'06"	00°♁54'11"	29°♁29'18"	18°♁57'01"	24°♁04'17"	18°♁47'55"	25°♁25'48"	06°♁54'52"	09°♁57'34"	13°♁19'30"	R
1987-02-06	16°♁09'16"	16°♁18'56"	02°♁28'42"	00°♁36'02"	19°♁38'45"	24°♁17'13"	18°♁52'47"	25°♁28'26"	06°♁56'44"	09°♁57'48"	13°♁20'31"	R
1987-02-07	28°♁18'08"	17°♁19'45"	04°♁00'16"	01°♁42'57"	20°♁20'28"	24°♁30'13"	18°♁57'36"	25°♁31'02"	06°♁58'35"	09°♁58'00"	13°♁20'26"	R
1987-02-08	10°♁16'19"	18°♁20'33"	05°♁28'17"	02°♁50'03"	21°♁02'09"	24°♁43'17"	19°♁02'20"	25°♁33'36"	07°♁00'25"	09°♁58'10"	13°♁18'27"	R
1987-02-09	22°♁08'36"	19°♁21'19"	06°♁52'10"	03°♁57'19"	21°♁43'50"	24°♁56'25"	19°♁07'00"	25°♁36'07"	07°♁02'14"	09°♁58'18"	13°♁14'03"	R

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Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♄ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1987-02-10	03°☉59'14"	20°≈22'03"	08°☿11'14"	05°♁04'47"	22°♁25'29"	25°♁09'37"	19°♁11'35"	25°♁38'37"	07°♁04'01"	09°♁58'23"	13°♁07'14"	R _x
1987-02-11	15°☉51'47"	21°≈22'47"	09°♁24'45"	06°♁12'24"	23°♁07'07"	25°♁22'52"	19°♁16'06"	25°♁41'03"	07°♁05'47"	09°♁58'26"	12°♁58'27"	R _x
1987-02-12	27°☉48'57"	22°≈23'28"	10°♁32'01"	07°♁20'11"	23°♁04'44"	25°♁36'10"	19°♁20'32"	25°♁43'28"	07°♁07'31"	09°♁58'28"	12°♁48'29"	R _x
1987-02-13	09°☉52'42"	23°≈24'08"	11°♁32'17"	08°♁28'07"	24°♁30'19"	25°♁49'33"	19°♁24'54"	25°♁45'50"	07°♁09'15"	09°♁58'27"	12°♁38'20"	R _x
1987-02-14	22°☉04'26"	24°≈24'47"	12°♁24'48"	09°♁36'13"	25°♁11'53"	26°♁02'58"	19°♁29'11"	25°♁48'09"	07°♁10'56"	09°♁58'23"	12°♁29'03"	R _x
1987-02-15	04°♁25'03"	25°≈25'24"	13°♁08'55"	10°♁54'28"	25°♁53'25"	26°♁16'27"	19°♁33'24"	25°♁50'26"	07°♁12'37"	09°♁58'18"	12°♁21'27"	R _x
1987-02-16	16°♁55'18"	26°≈26'00"	13°♁43'58"	11°♁52'51"	26°♁34'56"	26°♁29'58"	19°♁37'31"	25°♁52'40"	07°♁14'16"	09°♁58'10"	12°♁16'03"	R _x
1987-02-17	29°♁35'57"	27°≈26'34"	14°♁09'26"	13°♁01'24"	27°♁16'26"	26°♁43'33"	19°♁41'34"	25°♁54'52"	07°♁15'53"	09°♁58'01"	12°♁12'59"	R _x
1987-02-18	12°☉27'58"	28°≈27'07"	14°♁24'54"	14°♁10'04"	27°♁57'54"	26°♁57'11"	19°♁45'32"	25°♁57'01"	07°♁17'29"	09°♁57'49"	12°♁11'55"	R _x
1987-02-19	25°☉32'37"	29°≈27'39"	14°♁30'07"	15°♁18'52"	28°♁39'21"	27°♁10'52"	19°♁49'25"	25°♁59'08"	07°♁19'04"	09°♁57'35"	12°♁12'13"	R _x
1987-02-20	08°♁51'29"	00°♁28'09"	14°♁25'01"	16°♁27'49"	29°♁20'47"	27°♁24'36"	19°♁53'13"	26°♁01'12"	07°♁20'37"	09°♁57'19"	12°♁13'04"	R _x
1987-02-21	22°♁26'09"	01°♁28'38"	14°♁09'44"	17°♁36'53"	00°♁02'11"	27°♁38'23"	19°♁56'56"	26°♁03'13"	07°♁22'08"	09°♁57'01"	12°♁13'36"	R _x
1987-02-22	06°♁17'52"	02°♁29'07"	13°♁44'41"	18°♁46'04"	00°♁43'34"	27°♁52'12"	20°♁00'35"	26°♁05'12"	07°♁23'39"	09°♁56'41"	12°♁13'06"	R _x
1987-02-23	20°♁26'48"	03°♁29'33"	13°♁10'27"	19°♁55'22"	01°♁24'56"	28°♁06'04"	20°♁04'08"	26°♁07'08"	07°♁25'07"	09°♁56'19"	12°♁11'09"	R _x
1987-02-24	04°♁51'34"	04°♁29'59"	12°♁27'57"	21°♁04'47"	02°♁06'17"	28°♁19'59"	20°♁07'36"	26°♁09'01"	07°♁26'34"	09°♁55'55"	12°♁07'40"	R _x
1987-02-25	19°♁28'48"	05°♁30'23"	11°♁38'17"	22°♁14'19"	02°♁47'36"	28°♁33'56"	20°♁10'59"	26°♁10'51"	07°♁28'00"	09°♁55'28"	12°♁02'55"	R _x
1987-02-26	04°≈13'03"	06°♁30'45"	10°♁42'45"	23°♁23'57"	03°♁28'54"	28°♁47'56"	20°♁14'16"	26°♁12'39"	07°♁29'23"	09°♁55'00"	11°♁57'29"	R _x
1987-02-27	18°≈57'19"	07°♁31'07"	09°♁42'49"	24°♁33'40"	04°♁10'11"	29°♁01'57"	20°♁17'28"	26°♁14'24"	07°♁30'45"	09°♁54'30"	11°♁52'03"	R _x
1987-02-28	03°♁33'57"	08°♁31'26"	08°♁40'03"	25°♁43'29"	04°♁51'26"	29°♁16'01"	20°♁20'35"	26°♁16'06"	07°♁32'05"	09°♁53'57"	11°♁47'21"	R _x
1987-02-29	17°♁55'49"	09°♁31'43"	07°♁36'03"	26°♁53'24"	05°♁32'40"	29°♁30'07"	20°♁23'36"	26°♁17'44"	07°♁33'24"	09°♁53'22"	11°♁43'58"	R _x
1987-03-02	01°♁57'21"	10°♁31'59"	06°♁32'22"	28°♁03'24"	06°♁13'53"	29°♁34'15"	20°♁26'32"	26°♁19'20"	07°♁34'41"	09°♁52'46"	11°♁44'15"	R _x
1987-03-03	15°♁35'16"	11°♁32'13"	05°♁30'27"	29°♁13'29"	06°♁55'04"	29°♁58'25"	20°♁29'22"	26°♁20'53"	07°♁35'56"	09°♁52'07"	11°♁42'11"	R _x
1987-03-04	28°♁48'40"	12°♁32'25"	04°♁31'35"	00°≈23'38"	07°♁36'13"	00°♁12'37"	20°♁32'06"	26°♁22'23"	07°♁37'09"	09°♁51'27"	11°♁43'31"	R _x
1987-03-05	11°♁38'47"	13°♁32'35"	03°♁36'53"	01°≈33'53"	08°♁17'22"	00°♁26'50"	20°♁34'45"	26°♁23'50"	07°♁38'20"	09°♁50'45"	11°♁45'44"	R _x
1987-03-06	24°♁08'29"	14°♁32'43"	02°♁47'16"	02°≈44'12"	08°♁58'28"	00°♁41'05"	20°♁37'19"	26°♁25'14"	07°♁39'30"	09°♁50'00"	11°♁48'09"	R _x
1987-03-07	06°♁21'43"	15°♁32'49"	02°♁03'24"	03°≈54'35"	09°♁39'33"	00°♁55'22"	20°♁39'47"	26°♁26'36"	07°♁40'38"	09°♁49'14"	11°♁50'08"	R _x
1987-03-08	18°♁23'03"	16°♁32'53"	01°♁25'47"	05°≈05'03"	10°♁20'37"	01°♁09'40"	20°♁42'09"	26°♁27'54"	07°♁41'45"	09°♁48'26"	11°♁51'10"	R _x
1987-03-09	00°☉17'19"	17°♁32'54"	00°♁54'43"	06°≈15'36"	11°♁01'38"	01°♁24'00"	20°♁44'26"	26°♁29'09"	07°♁42'49"	09°♁47'37"	11°♁50'54"	R _x
1987-03-10	12°☉09'18"	18°♁32'54"	00°♁30'22"	07°≈26'12"	11°♁42'38"	01°♁38'21"	20°♁46'37"	26°♁30'21"	07°♁43'52"	09°♁46'45"	11°♁49'18"	R _x
1987-03-11	24°☉03'24"	19°♁32'51"	00°♁12'43"	08°≈36'52"	12°♁23'37"	01°♁52'43"	20°♁48'42"	26°♁31'30"	07°♁44'52"	09°♁45'52"	11°♁46'35"	R _x
1987-03-12	06°☉03'29"	20°♁32'46"	00°♁01'43"	09°≈47'37"	13°♁04'33"	02°♁07'06"	20°♁50'41"	26°♁32'36"	07°♁45'51"	09°♁44'57"	11°♁43'07"	R _x
1987-03-13	18°☉12'40"	21°♁32'39"	29°≈57'10"	10°≈58'25"	13°♁45'28"	02°♁21'30"	20°♁52'35"	26°♁33'39"	07°♁46'48"	09°♁44'00"	11°♁39'26"	R _x
1987-03-14	00°♁33'21"	22°♁32'30"	29°≈58'51"	12°≈09'17"	14°♁26'21"	02°♁35'55"	20°♁54'22"	26°♁34'39"	07°♁47'43"	09°♁43'01"	11°♁36'01"	R _x
1987-03-15	13°♁07'07"	23°♁32'19"	00°♁06'30"	13°≈20'12"	15°♁07'12"	02°♁50'21"	20°♁56'04"	26°♁35'36"	07°♁48'36"	09°♁42'01"	11°♁33'18"	R _x
1987-03-16	25°♁54'48"	24°♁32'06"	00°♁19'51"	14°≈31'12"	15°♁48'01"	03°♁04'48"	20°♁57'40"	26°♁36'29"	07°♁49'27"	09°♁40'59"	11°♁31'30"	R _x
1987-03-17	08°☉56'32"	25°♁31'51"	00°♁38'35"	15°≈42'15"	16°♁28'48"	03°♁19'16"	20°♁59'10"	26°♁37'20"	07°♁50'17"	09°♁39'56"	11°♁30'41"	R _x
1987-03-18	22°☉11'50"	26°♁31'34"	01°♁02'24"	16°≈53'21"	17°♁09'34"	03°♁33'44"	21°♁00'35"	26°♁38'07"	07°♁51'04"	09°♁38'50"	11°♁30'40"	R _x
1987-03-19	05°♁39'53"	27°♁31'15"	01°♁31'00"	18°≈04'31"	17°♁50'18"	03°♁48'13"	21°♁01'53"	26°♁38'51"	07°♁51'49"	09°♁37'44"	11°♁31'12"	R _x
1987-03-20	19°♁19'41"	28°♁30'54"	02°♁04'07"	19°≈15'45"	18°♁31'01"	04°♁02'43"	21°♁03'05"	26°♁39'32"	07°♁52'33"	09°♁36'36"	11°♁31'56"	R _x
1987-03-21	03°♁10'08"	29°♁30'32"	02°♁41'28"	20°≈27'01"	19°♁11'41"	04°♁17'13"	21°♁04'12"	26°♁40'10"	07°♁53'15"	09°♁35'26"	11°♁32'30"	R _x
1987-03-22	17°♁10'02"	00°♁30'08"	03°♁22'46"	21°≈38'21"	19°♁52'21"	04°♁31'44"	21°♁05'13"	26°♁40'45"	07°♁53'55"	09°♁34'15"	11°♁32'42"	R _x
1987-03-23	01°♁17'53"	01°♁29'42"	04°♁07'49"	22°≈49'45"	20°♁32'58"	04°♁46'15"	21°♁06'07"	26°♁41'17"	07°♁54'32"	09°♁33'02"	11°♁32'24"	R _x
1987-03-24	15°♁31'48"	02°♁29'15"	04°♁56'22"	24°≈01'11"	21°♁13'34"	05°♁00'47"	21°♁06'56"	26°♁41'46"	07°♁55'08"	09°♁31'48"	11°♁31'37"	R _x
1987-03-25	29°♁49'17"	03°♁28'45"	05°♁48'12"	25°≈12'40"	21°♁54'09"	05°♁15'19"	21°♁07'39"	26°♁42'11"	07°♁55'42"	09°♁30'33"	11°♁30'31"	R _x
1987-03-26	14°≈07'12"	04°♁28'14"	06°♁43'09"	26°≈24'11"	22°♁34'42"	05°♁29'51"	21°♁08'15"	26°♁42'34"	07°♁56'14"	09°♁29'16"	11°♁29'19"	R _x
1987-03-27	28°≈21'55"	05°♁27'42"	07°♁41'01"	27°≈35'46"	23°♁15'13"	05°♁44'23"	21°♁08'46"	26°♁42'53"	07°♁56'46"	09°♁27'58"	11°♁28'15"	R _x
1987-03-28	12°♁29'26"	06°♁27'07"	08°♁41'38"	28°≈47'22"	23°♁55'43"	05°♁58'55"	21°♁09'10"	26°♁43'09"	07°♁57'12"	09°♁26'38"	11°♁27'31"	R _x
1987-03-29	26°♁25'47"	07°♁26'30"	09°♁44'53"	29°≈59'01"	24°♁36'11"	06°♁13'26"	21°♁09'28"	26°♁43'21"	07°♁57'37"	09°♁25'17"	11°♁27'13"	R _x
1987-03-30	10°♁07'29"	08°♁25'51"	10°♁50'37"	01°♁10'42"	25°♁16'37"	06°♁27'58"	21°♁09'40"	26°♁43'31"	07°♁58'01"	09°♁23'55"	11°♁27'23"	R _x
1987-03-31	23°♁31'57"	09°♁25'11"	11°♁58'42"	02°♁22'25"	25°♁57'02"	06°♁42'29"	21°♁09'47"	26°♁43'37"	07°♁58'23"	09°♁22'31"	11°♁27'55"	R _x
1987-04-01	06°♁37'48"	10°♁24'28"	13°♁09'03"	03°♁34'10"	26°♁37'26"	06°♁57'00"	21°♁09'47"	26°♁43'40"	07°♁58'42"	09°♁21'07"	11°♁28'41"	R _x
1987-04-02	19°♁25'04"	11°♁23'43"	14°♁21'34"	04°♁45'57"	27°♁17'47"	07°♁11'31"	21°♁09'41"	26°♁43'40"	07°♁59'00"	09°♁19'41"	11°♁29'31"	R _x
1987-04-03	01°♁55'01"	12°♁22'56"	15°♁36'08"	05°♁57'46"	27°♁58'08"	07°♁26'01"	21°♁09'29"	26°♁43'37"	07°♁59'16"	09°♁18'14"	11°♁30'17"	R _x

Jan 01, 1980 00:00 AM CCT

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1987-04-04	14°Ⅱ10'04"	13°Ⅱ22'06"	16°Ⅴ52'43"	07°Ⅴ09'37"	28°Ⅴ38'26"	07°Ⅴ40'31"	21°Ⅴ09'12"R _x	26°Ⅴ43'31"R _x	07°Ⅴ59'30"	09°Ⅲ16'47"R _x	11°Ⅱ30'52"	
1987-04-05	26°Ⅱ13'34"	14°Ⅱ21'15"	18°Ⅴ11'13"	08°Ⅴ21'29"	29°Ⅴ18'43"	07°Ⅴ55'00"	21°Ⅴ08'48"R _x	26°Ⅴ43'22"R _x	07°Ⅴ59'41"	09°Ⅲ15'18"R _x	11°Ⅱ31'18"	
1987-04-06	08°Ⅴ09'34"	15°Ⅱ20'21"	19°Ⅴ31'36"	09°Ⅴ33'23"	29°Ⅴ58'58"	08°Ⅱ09'28"	21°Ⅴ08'18"R _x	26°Ⅴ43'10"R _x	07°Ⅴ59'51"	09°Ⅲ13'48"R _x	11°Ⅱ31'37"	
1987-04-07	20°Ⅴ02'35"	16°Ⅱ19'25"	20°Ⅴ53'47"	10°Ⅴ45'19"	00°Ⅱ39'11"	08°Ⅱ23'55"	21°Ⅴ07'43"R _x	26°Ⅴ42'54"R _x	07°Ⅴ59'59"	09°Ⅲ12'18"R _x	11°Ⅱ31'55"	
1987-04-08	01°Ⅴ57'18"	17°Ⅱ18'26"	22°Ⅴ17'45"	11°Ⅴ57'16"	01°Ⅱ19'22"	08°Ⅱ38'22"	21°Ⅴ07'02"R _x	26°Ⅴ42'36"R _x	08°Ⅴ00'05"	09°Ⅲ10'46"R _x	11°Ⅱ32'17"	
1987-04-09	13°Ⅴ58'17"	18°Ⅱ17'25"	23°Ⅴ43'27"	13°Ⅴ09'15"	01°Ⅱ59'32"	08°Ⅱ52'47"	21°Ⅴ06'14"R _x	26°Ⅴ42'14"R _x	08°Ⅴ00'08"	09°Ⅲ09'14"R _x	11°Ⅱ32'46"	
1987-04-10	26°Ⅴ09'46"	19°Ⅱ16'22"	25°Ⅴ10'50"	14°Ⅴ21'16"	02°Ⅱ39'40"	09°Ⅱ07'12"	21°Ⅴ05'21"R _x	26°Ⅴ41'49"R _x	08°Ⅴ00'10"	09°Ⅲ07'40"R _x	11°Ⅱ33'21"	
1987-04-11	08°Ⅴ35'26"	20°Ⅱ15'17"	26°Ⅴ39'54"	15°Ⅴ33'18"	03°Ⅱ19'46"	09°Ⅱ21'35"	21°Ⅴ04'22"R _x	26°Ⅴ41'22"R _x	08°Ⅴ00'10"R _x	09°Ⅲ06'06"R _x	11°Ⅱ33'55"	
1987-04-12	21°Ⅱ18'09"	21°Ⅱ14'09"	28°Ⅴ10'37"	16°Ⅴ45'21"	03°Ⅱ59'50"	09°Ⅱ35'57"	21°Ⅴ03'17"R _x	26°Ⅴ40'51"R _x	08°Ⅴ00'07"R _x	09°Ⅲ04'31"R _x	11°Ⅱ34'19"	
1987-04-13	04°Ⅴ19'44"	22°Ⅱ12'59"	29°Ⅴ42'58"	17°Ⅴ57'26"	04°Ⅱ39'52"	09°Ⅱ50'18"	21°Ⅴ02'07"R _x	26°Ⅴ40'17"R _x	08°Ⅴ00'03"R _x	09°Ⅲ02'56"R _x	11°Ⅱ34'21"R _x	
1987-04-14	17°Ⅴ40'44"	23°Ⅱ11'47"	01°Ⅱ16'57"	19°Ⅴ09'32"	05°Ⅱ19'52"	10°Ⅱ04'38"	21°Ⅴ00'51"R _x	26°Ⅴ39'40"R _x	07°Ⅴ59'57"R _x	09°Ⅲ01'19"R _x	11°Ⅱ33'52"R _x	
1987-04-15	01°Ⅲ20'10"	24°Ⅱ10'33"	02°Ⅱ52'32"	20°Ⅴ21'40"	05°Ⅱ59'51"	10°Ⅱ18'56"	20°Ⅴ59'29"R _x	26°Ⅴ39'01"R _x	07°Ⅴ59'49"R _x	08°Ⅲ59'43"R _x	11°Ⅱ32'46"R _x	
1987-04-16	15°Ⅲ15'40"	25°Ⅱ09'18"	04°Ⅱ29'44"	21°Ⅴ33'50"	06°Ⅱ39'48"	10°Ⅱ33'13"	20°Ⅴ58'02"R _x	26°Ⅴ38'18"R _x	07°Ⅴ59'39"R _x	08°Ⅲ58'05"R _x	11°Ⅱ31'04"R _x	
1987-04-17	29°Ⅲ23'40"	26°Ⅱ08'00"	06°Ⅱ08'33"	22°Ⅴ46'01"	07°Ⅱ19'44"	10°Ⅱ47'29"	20°Ⅴ56'29"R _x	26°Ⅴ37'33"R _x	07°Ⅴ59'27"R _x	08°Ⅲ56'27"R _x	11°Ⅱ28'55"R _x	
1987-04-18	13°Ⅴ39'54"	27°Ⅱ06'41"	27°Ⅱ06'41"	07°Ⅱ48'59"	23°Ⅴ58'14"	07°Ⅱ59'38"	11°Ⅱ01'43"	20°Ⅴ54'51"R _x	26°Ⅴ36'45"R _x	07°Ⅴ59'13"R _x	08°Ⅲ54'49"R _x	11°Ⅱ26'34"R _x
1987-04-19	27°Ⅴ59'56"	28°Ⅱ05'20"	09°Ⅱ31'02"	25°Ⅴ10'28"	08°Ⅱ39'30"	11°Ⅱ15'55"	20°Ⅴ53'07"R _x	26°Ⅴ35'54"R _x	07°Ⅴ58'57"R _x	08°Ⅲ53'10"R _x	11°Ⅱ24'21"R _x	
1987-04-20	12°Ⅴ19'38"	29°Ⅱ03'57"	11°Ⅱ14'42"	26°Ⅴ22'43"	09°Ⅱ19'21"	11°Ⅱ30'06"	20°Ⅴ51'18"R _x	26°Ⅴ35'00"R _x	07°Ⅴ58'40"R _x	08°Ⅲ51'31"R _x	11°Ⅱ22'37"R _x	
1987-04-21	26°Ⅴ35'30"	00°Ⅴ02'33"	13°Ⅱ00'00"	27°Ⅴ35'01"	09°Ⅱ59'10"	11°Ⅱ44'15"	20°Ⅴ49'24"R _x	26°Ⅴ34'03"R _x	07°Ⅴ58'20"R _x	08°Ⅲ49'51"R _x	11°Ⅱ21'35"R _x	
1987-04-22	10°Ⅴ44'52"	01°Ⅴ01'07"	14°Ⅱ46'56"	28°Ⅴ47'19"	10°Ⅱ38'57"	11°Ⅱ58'23"	20°Ⅴ47'24"R _x	26°Ⅴ33'04"R _x	07°Ⅴ57'59"R _x	08°Ⅲ48'11"R _x	11°Ⅱ21'24"	
1987-04-23	24°Ⅴ45'45"	01°Ⅴ59'39"	16°Ⅱ35'31"	29°Ⅴ59'38"	11°Ⅱ18'43"	12°Ⅱ12'28"	20°Ⅴ45'19"R _x	26°Ⅴ32'01"R _x	07°Ⅴ57'35"R _x	08°Ⅲ46'30"R _x	11°Ⅱ21'59"	
1987-04-24	08°Ⅴ36'51"	02°Ⅴ58'09"	18°Ⅱ25'45"	01°Ⅱ11'59"	11°Ⅱ58'28"	12°Ⅱ26'32"	20°Ⅴ43'08"R _x	26°Ⅴ30'56"R _x	07°Ⅴ57'10"R _x	08°Ⅲ44'49"R _x	11°Ⅱ23'06"	
1987-04-25	22°Ⅴ17'13"	03°Ⅴ56'38"	20°Ⅱ17'38"	02°Ⅱ24'21"	12°Ⅱ38'11"	12°Ⅱ40'33"	20°Ⅴ40'52"R _x	26°Ⅴ29'48"R _x	07°Ⅴ56'42"R _x	08°Ⅲ43'08"R _x	11°Ⅱ24'23"	
1987-04-26	05°Ⅱ46'03"	04°Ⅴ55'06"	22°Ⅱ11'11"	03°Ⅱ36'44"	13°Ⅱ17'53"	12°Ⅱ54'32"	20°Ⅴ38'31"R _x	26°Ⅴ28'37"R _x	07°Ⅴ56'13"R _x	08°Ⅲ41'26"R _x	11°Ⅱ25'19"	
1987-04-27	19°Ⅱ02'34"	05°Ⅴ53'31"	24°Ⅱ06'23"	04°Ⅱ49'08"	13°Ⅱ57'33"	13°Ⅱ08'29"	20°Ⅴ36'05"R _x	26°Ⅴ27'24"R _x	07°Ⅴ55'42"R _x	08°Ⅲ39'45"R _x	11°Ⅱ25'30"R _x	
1987-04-28	02°Ⅴ06'05"	06°Ⅴ51'55"	26°Ⅱ03'13"	06°Ⅱ01'32"	14°Ⅱ37'11"	13°Ⅱ22'24"	20°Ⅴ33'34"R _x	26°Ⅴ26'08"R _x	07°Ⅴ55'09"R _x	08°Ⅲ38'03"R _x	11°Ⅱ24'34"R _x	
1987-04-29	14°Ⅴ56'16"	07°Ⅴ50'17"	28°Ⅱ01'42"	07°Ⅱ13'58"	15°Ⅱ16'49"	13°Ⅱ36'16"	20°Ⅴ30'58"R _x	26°Ⅴ24'49"R _x	07°Ⅴ54'35"R _x	08°Ⅲ36'21"R _x	11°Ⅱ22'23"R _x	
1987-04-30	27°Ⅴ32'39"	08°Ⅴ48'37"	00°Ⅴ01'46"	08°Ⅱ26'25"	15°Ⅴ56'24"	13°Ⅱ50'06"	20°Ⅴ28'18"R _x	26°Ⅴ23'28"R _x	07°Ⅴ53'58"R _x	08°Ⅲ34'40"R _x	11°Ⅱ19'02"R _x	
1987-05-01	09°Ⅱ56'11"	09°Ⅴ46'56"	02°Ⅴ03'23"	09°Ⅱ38'52"	16°Ⅱ35'59"	14°Ⅱ03'54"	20°Ⅴ25'33"R _x	26°Ⅴ22'05"R _x	07°Ⅴ53'20"R _x	08°Ⅲ32'58"R _x	11°Ⅱ14'51"R _x	
1987-05-02	22°Ⅱ08'01"	10°Ⅴ45'12"	04°Ⅴ06'31"	10°Ⅱ51'20"	17°Ⅱ15'32"	14°Ⅱ17'39"	20°Ⅴ22'43"R _x	26°Ⅴ20'39"R _x	07°Ⅴ52'40"R _x	08°Ⅲ31'16"R _x	11°Ⅱ10'20"R _x	
1987-05-03	04°Ⅴ10'12"	11°Ⅴ43'27"	06°Ⅴ11'03"	12°Ⅱ03'49"	17°Ⅱ55'03"	14°Ⅱ31'21"	20°Ⅴ19'48"R _x	26°Ⅴ19'10"R _x	07°Ⅴ51'58"R _x	08°Ⅲ29'35"R _x	11°Ⅱ06'04"R _x	
1987-05-04	16°Ⅴ05'39"	12°Ⅴ41'40"	08°Ⅴ16'56"	13°Ⅱ16'18"	18°Ⅱ34'33"	14°Ⅱ45'00"	20°Ⅴ16'49"R _x	26°Ⅴ17'40"R _x	07°Ⅴ51'15"R _x	08°Ⅲ27'54"R _x	11°Ⅱ02'38"R _x	
1987-05-05	27°Ⅴ58'02"	13°Ⅴ39'50"	10°Ⅴ24'00"	14°Ⅱ28'48"	19°Ⅱ14'01"	14°Ⅱ58'37"	20°Ⅴ13'46"R _x	26°Ⅴ16'06"R _x	07°Ⅴ50'30"R _x	08°Ⅲ26'12"R _x	11°Ⅱ00'24"R _x	
1987-05-06	09°Ⅴ51'37"	14°Ⅴ37'59"	12°Ⅴ32'09"	15°Ⅱ41'19"	19°Ⅱ53'28"	15°Ⅱ12'11"	20°Ⅴ10'39"R _x	26°Ⅴ14'31"R _x	07°Ⅴ49'43"R _x	08°Ⅲ24'31"R _x	10°Ⅱ59'33"R _x	
1987-05-07	21°Ⅴ51'07"	15°Ⅴ36'05"	14°Ⅴ41'11"	16°Ⅱ53'50"	20°Ⅱ32'53"	15°Ⅱ25'41"	20°Ⅴ07'27"R _x	26°Ⅴ12'53"R _x	07°Ⅴ48'55"R _x	08°Ⅲ22'50"R _x	10°Ⅱ59'58"	
1987-05-08	04°Ⅱ01'21"	16°Ⅴ34'10"	16°Ⅴ50'55"	18°Ⅱ06'22"	21°Ⅱ12'16"	15°Ⅱ39'08"	20°Ⅴ04'11"R _x	26°Ⅴ11'13"R _x	07°Ⅴ48'04"R _x	08°Ⅲ21'10"R _x	11°Ⅱ01'12"	
1987-05-09	16°Ⅱ26'59"	17°Ⅴ32'13"	19°Ⅴ01'07"	19°Ⅱ18'54"	21°Ⅱ51'38"	15°Ⅱ52'33"	20°Ⅴ00'51"R _x	26°Ⅴ09'31"R _x	07°Ⅴ47'13"R _x	08°Ⅲ19'29"R _x	11°Ⅱ02'40"	
1987-05-10	29°Ⅱ12'11"	18°Ⅴ30'14"	21°Ⅴ11'34"	20°Ⅱ31'28"	22°Ⅱ30'58"	16°Ⅱ05'54"	19°Ⅴ57'27"R _x	26°Ⅴ07'46"R _x	07°Ⅴ46'19"R _x	08°Ⅲ17'50"R _x	11°Ⅱ03'39"	
1987-05-11	12°Ⅴ20'12"	19°Ⅴ28'13"	23°Ⅴ21'59"	21°Ⅱ44'01"	23°Ⅱ10'16"	16°Ⅱ19'11"	19°Ⅴ53'59"R _x	26°Ⅴ05'59"R _x	07°Ⅴ45'24"R _x	08°Ⅲ16'10"R _x	11°Ⅱ03'28"R _x	
1987-05-12	25°Ⅴ52'51"	20°Ⅴ26'10"	25°Ⅴ32'05"	22°Ⅱ56'36"	23°Ⅱ49'33"	16°Ⅱ32'26"	19°Ⅴ50'28"R _x	26°Ⅴ04'11"R _x	07°Ⅴ44'28"R _x	08°Ⅲ14'31"R _x	11°Ⅱ01'40"R _x	
1987-05-13	09°Ⅲ49'49"	21°Ⅴ24'05"	27°Ⅴ41'36"	24°Ⅱ09'11"	24°Ⅱ28'49"	16°Ⅱ45'37"	19°Ⅴ46'53"R _x	26°Ⅴ02'20"R _x	07°Ⅴ43'30"R _x	08°Ⅲ12'52"R _x	10°Ⅱ58'03"R _x	
1987-05-14	24°Ⅲ08'22"	22°Ⅴ22'00"	29°Ⅴ50'14"	25°Ⅱ21'47"	25°Ⅱ08'03"	16°Ⅱ58'44"	19°Ⅴ43'15"R _x	26°Ⅴ00'28"R _x	07°Ⅴ42'30"R _x	08°Ⅲ11'15"R _x	10°Ⅱ52'48"R _x	
1987-05-15	08°Ⅴ43'20"	23°Ⅴ19'52"	01°Ⅱ57'43"	26°Ⅱ34'24"	25°Ⅱ47'16"	17°Ⅱ11'49"	19°Ⅴ39'34"R _x	25°Ⅴ58'34"R _x	07°Ⅴ41'29"R _x	08°Ⅲ09'37"R _x	10°Ⅱ46'23"R _x	
1987-05-16	23°Ⅴ27'42"	24°Ⅴ17'43"	04°Ⅱ03'45"	27°Ⅱ47'02"	26°Ⅱ26'27"	17°Ⅱ24'49"	19°Ⅴ35'49"R _x	25°Ⅴ56'37"R _x	07°Ⅴ40'27"R _x	08°Ⅲ08'01"R _x	10°Ⅱ39'32"R _x	
1987-05-17	08°Ⅴ13'42"	25°Ⅴ15'33"	06°Ⅱ08'05"	28°Ⅱ59'41"	27°Ⅱ05'37"	17°Ⅱ37'46"	19°Ⅴ32'01"R _x	25°Ⅴ54'39"R _x	07°Ⅴ39'23"R _x	08°Ⅲ06'24"R _x	10°Ⅱ33'04"R _x	
1987-05-18	22°Ⅴ53'59"	26°Ⅴ13'22"	08°Ⅱ10'30"	00°Ⅴ12'20"	27°Ⅱ44'46"	17°Ⅱ50'39"	19°Ⅴ28'10"R _x	25°Ⅴ52'40"R _x	07°Ⅴ38'18"R _x	08°Ⅲ04'49"R _x	10°Ⅱ27'45"R _x	
1987-05-19	07°Ⅴ22'40"	27°Ⅴ11'09"	10°Ⅱ10'47"	01°Ⅴ25'01"	28°Ⅱ23'53"	18°Ⅱ03'29"	19°Ⅴ24'16"R _x	25°Ⅴ50'38"R _x	07°Ⅴ37'11"R _x	08°Ⅲ03'14"R _x	10°Ⅱ24'07"R _x	
1987-05-20	21°Ⅴ35'53"	28°Ⅴ08'56"	12°Ⅱ08'44"	02°Ⅴ37'42"	29°Ⅱ02'59"	18°Ⅱ16'14"	19°Ⅴ20'20"R _x	25°Ⅴ48'35"R _x	07°Ⅴ36'03"R _x	08°Ⅲ01'40"R _x	10°Ⅱ22'22"R _x	
1987-05-21	05°Ⅴ31'52"	29°Ⅴ06'41"	14°Ⅱ04'12"	03°Ⅴ50'24"	29°Ⅱ42'04"	18°Ⅱ28'55"	19°Ⅴ16'20"R _x	25°Ⅴ46'30"R _x	07°Ⅴ34'54"R _x	08°Ⅲ00'07"R _x	10°Ⅱ22'17"	
1987-05-22	19°Ⅴ10'31"	00°Ⅱ04'25"	15°Ⅱ57'03"	05°Ⅴ03'07"	00°Ⅴ21'08"	18°Ⅱ41'32"	19°Ⅴ12'18"R _x	25°Ⅴ44'23"R _x	07°Ⅴ33'43"R _x	07°Ⅲ58'34"R _x	10°Ⅱ23'16"	
1987-05-23	02°Ⅱ32'55"	01°Ⅱ02'08"	17°Ⅱ47'10"	06°Ⅴ15'50"	01°Ⅴ00'10"	18°Ⅱ54'05"	19°Ⅴ08'13"R _x	25°Ⅴ42'15"R _x	07°Ⅴ32'31"R _x	07°Ⅲ57'02"R _x	10°Ⅱ24'30"	
1987-05-24	15°Ⅱ40'38"	01°Ⅱ59'49"	19°Ⅱ34'28"	07°Ⅴ28'35"	01°Ⅴ39'11"	19°Ⅱ06'34"	19°Ⅴ04'06"R _x	25°Ⅴ40'06"R _x	07°Ⅴ31'17"R _x	07°Ⅲ55'31"R _x	10°Ⅱ25'00"R _x	
1987-05-25	28°Ⅱ35'14"	02°Ⅱ57'30"	21°Ⅱ18'51"	08°Ⅴ41'20"	02°Ⅴ18'11"	19°Ⅱ18'58"	18°Ⅴ59'56"R _x	25°Ⅴ37'55"R _x	07°Ⅴ30'03"R _x	07°Ⅲ54'01"R _x	10°Ⅱ23'53"R _x	
1987-05-26	11°Ⅴ18'06"	03°Ⅱ55'10"	23°Ⅱ00'17"	09°Ⅴ54'06"	02°Ⅴ57'10"	19°Ⅱ31'18"	18°Ⅴ55'45"R _x	25°Ⅴ35'42"R _x	07°Ⅴ28'47"R _x	07°Ⅲ52'32"R _x	10°Ⅱ20'28"R _x	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♁ Geo Lon
1987-05-27	23°♁50'15"	04°♁52'49"	24°♁38'41"	11°♁06'53"	03°♁36'08"	19°♁43'33"	18°♁51'32"R	25°♁33'29"R	07°♁27'30"R	07°♁51'04"R	10°♁14'33"R	
1987-05-28	06°♁12'30"	05°♁50'26"	26°♁14'02"	12°♁19'40"	04°♁15'05"	19°♁55'44"	18°♁47'16"R	25°♁31'14"R	07°♁26'12"R	07°♁49'37"R	10°♁06'18"R	
1987-05-29	18°♁25'38"	06°♁48'03"	27°♁46'17"	13°♁32'28"	04°♁54'01"	20°♁07'50"	18°♁43'00"R	25°♁28'58"R	07°♁24'53"R	07°♁48'12"R	09°♁56'20"R	
1987-05-30	00°♁30'33"	07°♁45'38"	29°♁15'23"	14°♁45'17"	05°♁32'55"	20°♁19'51"	18°♁38'41"R	25°♁26'41"R	07°♁23'32"R	07°♁46'47"R	09°♁45'36"R	
1987-05-31	12°♁28'35"	08°♁43'12"	00°♁41'19"	15°♁58'06"	06°♁11'48"	20°♁31'48"	18°♁34'21"R	25°♁24'22"R	07°♁22'11"R	07°♁45'23"R	09°♁35'11"R	
1987-06-01	24°♁21'39"	09°♁40'44"	02°♁04'02"	17°♁10'55"	06°♁50'40"	20°♁43'39"	18°♁30'00"R	25°♁22'03"R	07°♁20'49"R	07°♁44'01"R	09°♁26'05"R	
1987-06-02	06°♁12'25"	10°♁38'16"	03°♁23'30"	18°♁23'46"	07°♁29'31"	20°♁55'25"	18°♁25'38"R	25°♁19'43"R	07°♁19'25"R	07°♁42'40"R	09°♁19'06"R	
1987-06-03	18°♁04'24"	11°♁35'46"	04°♁39'40"	19°♁36'36"	08°♁08'21"	21°♁07'06"	18°♁21'15"R	25°♁17'22"R	07°♁18'01"R	07°♁41'20"R	09°♁14'34"R	
1987-06-04	00°♁01'46"	12°♁33'15"	05°♁52'30"	20°♁49'28"	08°♁47'09"	21°♁18'41"	18°♁16'50"R	25°♁15'00"R	07°♁16'36"R	07°♁40'01"R	09°♁12'23"R	
1987-06-05	12°♁09'15"	13°♁30'42"	07°♁01'55"	22°♁02'20"	09°♁25'57"	21°♁30'12"	18°♁12'26"R	25°♁12'37"R	07°♁15'09"R	07°♁38'43"R	09°♁11'56"	
1987-06-06	24°♁31'53"	14°♁28'08"	08°♁07'53"	23°♁15'12"	10°♁04'42"	21°♁41'36"	18°♁08'00"R	25°♁10'14"R	07°♁13'42"R	07°♁37'27"R	09°♁12'20"	
1987-06-07	07°♁14'36"	15°♁25'34"	09°♁10'19"	24°♁28'05"	10°♁43'27"	21°♁52'55"	18°♁03'34"R	25°♁07'50"R	07°♁12'14"R	07°♁36'12"R	09°♁12'29"R	
1987-06-08	20°♁21'47"	16°♁22'57"	10°♁09'10"	25°♁40'58"	11°♁22'11"	22°♁04'09"	17°♁59'07"R	25°♁05'25"R	07°♁10'46"R	07°♁34'58"R	09°♁11'21"R	
1987-06-09	03°♁56'38"	17°♁20'20"	11°♁04'20"	26°♁53'53"	12°♁00'53"	22°♁15'17"	17°♁54'41"R	25°♁03'00"R	07°♁09'16"R	07°♁33'46"R	09°♁08'39"R	
1987-06-10	18°♁00'12"	18°♁17'42"	11°♁55'45"	28°♁06'48"	12°♁39'35"	22°♁26'19"	17°♁50'14"R	25°♁00'34"R	07°♁07'46"R	07°♁32'35"R	09°♁02'03"R	
1987-06-11	02°♁30'37"	19°♁15'03"	12°♁43'19"	29°♁19'44"	13°♁18'15"	22°♁37'15"	17°♁45'48"R	24°♁58'08"R	07°♁06'16"R	07°♁31'26"R	08°♁54'37"R	
1987-06-12	17°♁22'39"	20°♁12'23"	13°♁26'56"	00°♁32'41"	13°♁56'54"	22°♁48'06"	17°♁41'22"R	24°♁55'42"R	07°♁04'44"R	07°♁30'18"R	08°♁45'00"R	
1987-06-13	02°♁28'04"	21°♁09'42"	14°♁06'32"	01°♁45'38"	14°♁35'32"	22°♁58'51"	17°♁36'56"R	24°♁53'15"R	07°♁03'12"R	07°♁29'12"R	08°♁34'37"R	
1987-06-14	17°♁36'46"	22°♁07'01"	14°♁42'01"	02°♁58'37"	15°♁14'10"	23°♁09'29"	17°♁32'31"R	24°♁50'49"R	07°♁01'40"R	07°♁28'08"R	08°♁24'36"R	
1987-06-15	02°♁38'36"	23°♁04'19"	15°♁13'17"	04°♁11'36"	15°♁52'46"	23°♁20'02"	17°♁28'06"R	24°♁48'22"R	07°♁00'07"R	07°♁27'05"R	08°♁15'59"R	
1987-06-16	17°♁24'59"	24°♁01'37"	15°♁40'15"	05°♁24'37"	16°♁31'21"	23°♁30'28"	17°♁23'42"R	24°♁45'55"R	06°♁58'33"R	07°♁26'03"R	08°♁09'31"R	
1987-06-17	01°♁50'06"	24°♁58'54"	16°♁02'49"	06°♁37'38"	17°♁09'55"	23°♁40'47"	17°♁19'18"R	24°♁43'27"R	06°♁56'59"R	07°♁25'03"R	08°♁05'32"R	
1987-06-18	15°♁51'16"	25°♁56'11"	16°♁20'56"	07°♁50'41"	17°♁48'29"	23°♁51'00"	17°♁14'56"R	24°♁41'00"R	06°♁55'24"R	07°♁24'04"R	08°♁03'51"R	
1987-06-19	29°♁28'33"	26°♁53'27"	16°♁34'33"	09°♁03'44"	18°♁27'02"	24°♁01'07"	17°♁10'35"R	24°♁38'33"R	06°♁53'49"R	07°♁23'07"R	08°♁03'47"R	
1987-06-20	12°♁43'55"	27°♁50'44"	16°♁43'37"	10°♁16'49"	19°♁05'33"	24°♁11'07"	17°♁06'14"R	24°♁36'06"R	06°♁52'14"R	07°♁22'12"R	08°♁04'15"R	
1987-06-21	25°♁40'18"	28°♁48'00"	16°♁48'07"	11°♁29'55"	19°♁44'05"	24°♁21'00"	17°♁01'55"R	24°♁33'39"R	06°♁50'38"R	07°♁21'18"R	08°♁04'04"R	
1987-06-22	08°♁20'56"	29°♁45'15"	16°♁48'04"R	12°♁43'01"	20°♁22'35"	24°♁30'46"	16°♁57'38"R	24°♁31'12"R	06°♁49'02"R	07°♁20'26"R	08°♁02'03"R	
1987-06-23	20°♁48'48"	00°♁42'31"	16°♁43'31"R	13°♁56'09"	21°♁01'05"	24°♁40'25"	16°♁53'22"R	24°♁28'46"R	06°♁47'25"R	07°♁19'36"R	07°♁57'22"R	
1987-06-24	03°♁06'29"	01°♁39'47"	16°♁34'34"R	15°♁09'18"	21°♁39'34"	24°♁49'57"	16°♁49'09"R	24°♁26'20"R	06°♁45'49"R	07°♁18'48"R	07°♁49'36"R	
1987-06-25	15°♁15'59"	02°♁37'02"	16°♁21'20"R	16°♁22'28"	22°♁18'02"	24°♁59'22"	16°♁44'57"R	24°♁23'54"R	06°♁44'12"R	07°♁18'01"R	07°♁38'56"R	
1987-06-26	27°♁18'57"	03°♁34'17"	16°♁04'00"R	17°♁35'39"	22°♁56'30"	25°♁08'40"	16°♁40'47"R	24°♁21'29"R	06°♁42'35"R	07°♁17'17"R	07°♁26'02"R	
1987-06-27	09°♁16'38"	04°♁31'32"	15°♁42'50"R	18°♁48'51"	23°♁34'57"	25°♁17'50"	16°♁36'39"R	24°♁19'05"R	06°♁40'58"R	07°♁16'34"R	07°♁12'00"R	
1987-06-28	21°♁10'18"	05°♁28'46"	15°♁18'07"R	20°♁02'04"	24°♁13'23"	25°♁26'52"	16°♁32'34"R	24°♁16'41"R	06°♁39'21"R	07°♁15'53"R	06°♁58'08"R	
1987-06-29	03°♁01'20"	06°♁26'00"	14°♁50'12"R	21°♁15'17"	24°♁51'49"	25°♁35'47"	16°♁28'31"R	24°♁14'18"R	06°♁37'44"R	07°♁15'13"R	06°♁45'41"R	
1987-06-30	14°♁51'43"	07°♁23'14"	14°♁19'31"R	22°♁28'32"	25°♁30'14"	25°♁44'34"	16°♁24'30"R	24°♁11'55"R	06°♁36'06"R	07°♁14'36"R	06°♁35'39"R	
1987-07-01	26°♁44'00"	08°♁20'27"	13°♁46'32"R	23°♁41'47"	26°♁08'38"	25°♁53'14"	16°♁20'32"R	24°♁09'34"R	06°♁34'29"R	07°♁14'00"R	06°♁28'33"R	
1987-07-02	08°♁41'33"	09°♁17'40"	13°♁11'46"R	24°♁55'04"	26°♁47'01"	26°♁01'45"	16°♁16'37"R	24°♁07'13"R	06°♁32'52"R	07°♁13'27"R	06°♁24'24"R	
1987-07-03	20°♁48'25"	10°♁14'53"	12°♁35'47"R	26°♁08'21"	27°♁25'23"	26°♁10'08"	16°♁12'45"R	24°♁04'53"R	06°♁31'15"R	07°♁12'55"R	06°♁22'38"R	
1987-07-04	03°♁09'10"	11°♁12'05"	11°♁59'12"R	27°♁21'39"	28°♁03'45"	26°♁18'23"	16°♁08'55"R	24°♁02'34"R	06°♁29'38"R	07°♁12'25"R	06°♁22'18"R	
1987-07-05	15°♁48'40"	12°♁09'17"	11°♁22'38"R	28°♁34'58"	28°♁42'06"	26°♁26'30"	16°♁05'09"R	24°♁00'16"R	06°♁28'01"R	07°♁11'57"R	06°♁22'13"R	
1987-07-06	28°♁51'38"	13°♁06'28"	10°♁46'41"R	29°♁48'19"	29°♁20'26"	26°♁34'28"	16°♁01'26"R	23°♁57'59"R	06°♁26'24"R	07°♁11'31"R	06°♁21'11"R	
1987-07-07	12°♁22'02"	14°♁03'40"	10°♁12'01"R	01°♁01'40"	29°♁58'46"	26°♁42'18"	15°♁57'47"R	23°♁55'44"R	06°♁24'48"R	07°♁11'07"R	06°♁18'18"R	
1987-07-08	26°♁22'06"	15°♁00'51"	09°♁39'14"R	02°♁15'02"	00°♁37'05"	26°♁50'00"	15°♁54'11"R	23°♁53'29"R	06°♁23'12"R	07°♁10'45"R	06°♁13'01"R	
1987-07-09	10°♁51'21"	15°♁58'02"	09°♁08'54"R	03°♁28'25"	01°♁15'23"	26°♁57'33"	15°♁50'38"R	23°♁51'16"R	06°♁21'36"R	07°♁10'24"R	06°♁05'23"R	
1987-07-10	25°♁45'48"	16°♁55'13"	08°♁41'33"R	04°♁41'49"	01°♁53'41"	27°♁04'58"	15°♁47'09"R	23°♁49'05"R	06°♁20'01"R	07°♁10'06"R	05°♁55'52"R	
1987-07-11	10°♁57'51"	17°♁55'24"	07°♁52'24"R	05°♁55'15"	02°♁31'58"	27°♁12'13"	15°♁43'44"R	23°♁46'54"R	06°♁18'27"R	07°♁09'50"R	05°♁45'23"R	
1987-07-12	26°♁17'10"	18°♁49'35"	07°♁57'49"R	07°♁08'42"	03°♁10'14"	27°♁19'20"	15°♁40'23"R	23°♁44'45"R	06°♁16'52"R	07°♁09'36"R	05°♁35'02"R	
1987-07-13	11°♁32'19"	19°♁46'47"	07°♁42'14"R	08°♁22'09"	03°♁48'30"	27°♁26'18"	15°♁37'06"R	23°♁42'38"R	06°♁15'18"R	07°♁09'24"R	05°♁25'56"R	
1987-07-14	26°♁32'52"	20°♁43'58"	07°♁31'19"R	09°♁35'39"	04°♁26'46"	27°♁33'07"	15°♁33'52"R	23°♁40'32"R	06°♁13'45"R	07°♁09'14"R	05°♁18'54"R	
1987-07-15	11°♁10'58"	21°♁41'10"	07°♁25'19"R	10°♁49'09"	05°♁05'01"	27°♁39'46"	15°♁30'43"R	23°♁38'27"R	06°♁12'12"R	07°♁09'06"R	05°♁14'23"R	
1987-07-16	25°♁22'17"	22°♁38'23"	07°♁24'29"	12°♁02'40"	05°♁43'15"	27°♁46'16"	15°♁27'37"R	23°♁36'24"R	06°♁10'39"R	07°♁08'59"R	05°♁12'17"R	
1987-07-17	09°♁05'50"	23°♁35'36"	07°♁28'58"	13°♁16'13"	06°♁21'29"	27°♁52'37"	15°♁24'36"R	23°♁34'23"R	06°♁09'07"R	07°♁08'55"R	05°♁12'02"R	
1987-07-18	22°♁23'15"	24°♁32'50"	07°♁38'55"	14°♁29'48"	06°♁59'43"	27°♁58'48"	15°♁21'39"R	23°♁32'23"R	06°♁07'36"R	07°♁08'53"R	05°♁12'42"R	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1987-07-19	05°♁17'45"	25°♁30'05"	07°♁54'24"	15°♁43'24"	07°♁37'57"	28°♁04'50"	15°♁18'46" R _x	23°♁30'25" R _x	06°♁06'05" R _x	07°♁08'53"	05°♁13'06" R _x	
1987-07-20	17°♁53'16"	26°♁27'20"	08°♁15'29"	16°♁57'01"	08°♁16'10"	28°♁10'42"	15°♁15'59" R _x	23°♁28'29" R _x	06°♁04'35" R _x	07°♁08'55"	05°♁12'08" R _x	
1987-07-21	00°♁13'49"	27°♁24'36"	08°♁42'12"	18°♁10'39"	08°♁54'23"	28°♁16'24"	15°♁13'15" R _x	23°♁26'35" R _x	06°♁03'06" R _x	07°♁08'58"	05°♁08'54" R _x	
1987-07-22	12°♁23'08"	28°♁21'53"	09°♁14'32"	19°♁24'19"	09°♁32'36"	28°♁21'56"	15°♁10'37" R _x	23°♁24'43" R _x	06°♁01'37" R _x	07°♁09'05"	05°♁02'58" R _x	
1987-07-23	24°♁24'27"	29°♁19'10"	09°♁52'28"	20°♁38'01"	10°♁10'49"	28°♁27'19"	15°♁08'03" R _x	23°♁22'53" R _x	06°♁00'10" R _x	07°♁09'13"	04°♁54'21" R _x	
1987-07-24	06°♁20'29"	00°♁16'28"	10°♁35'59"	21°♁51'43"	10°♁49'01"	28°♁32'31"	15°♁05'34" R _x	23°♁21'05" R _x	05°♁58'43" R _x	07°♁09'23"	04°♁43'36" R _x	
1987-07-25	18°♁13'21"	01°♁13'47"	11°♁25'02"	23°♁05'27"	11°♁27'13"	28°♁37'32"	15°♁03'10" R _x	23°♁19'18" R _x	05°♁57'17" R _x	07°♁09'35"	04°♁31'40" R _x	
1987-07-26	00°♁04'44"	02°♁11'07"	12°♁19'32"	24°♁19'12"	12°♁05'25"	28°♁42'24"	15°♁00'50" R _x	23°♁17'34" R _x	05°♁55'52" R _x	07°♁09'50"	04°♁19'41" R _x	
1987-07-27	11°♁56'10"	03°♁08'27"	13°♁19'24"	25°♁32'59"	12°♁43'37"	28°♁47'04"	14°♁58'36" R _x	23°♁15'52" R _x	05°♁54'28" R _x	07°♁10'06"	04°♁08'49" R _x	
1987-07-28	23°♁49'14"	04°♁05'48"	14°♁24'35"	26°♁46'46"	13°♁21'48"	28°♁51'35"	14°♁56'27" R _x	23°♁14'12" R _x	05°♁53'05" R _x	07°♁10'24"	04°♁00'00" R _x	
1987-07-29	05°♁45'51"	05°♁03'09"	15°♁34'57"	28°♁00'34"	13°♁59'59"	28°♁55'54"	14°♁54'23" R _x	23°♁12'35" R _x	05°♁51'42" R _x	07°♁10'45"	03°♁53'47" R _x	
1987-07-30	17°♁48'28"	06°♁00'31"	16°♁50'24"	29°♁14'24"	14°♁38'10"	29°♁00'03"	14°♁52'24" R _x	23°♁10'59" R _x	05°♁50'21" R _x	07°♁11'07"	03°♁50'15" R _x	
1987-07-31	00°♁00'04"	06°♁57'54"	18°♁10'47"	00°♁28'15"	15°♁16'20"	29°♁04'01"	14°♁50'30" R _x	23°♁09'26" R _x	05°♁49'01" R _x	07°♁11'32"	03°♁49'01" R _x	
1987-08-01	12°♁24'10"	07°♁55'17"	19°♁35'57"	01°♁42'07"	15°♁54'31"	29°♁07'48"	14°♁48'42" R _x	23°♁07'55" R _x	05°♁47'42" R _x	07°♁11'58"	03°♁49'18"	
1987-08-02	25°♁04'42"	08°♁52'41"	21°♁05'43"	02°♁56'00"	16°♁32'41"	29°♁11'24"	14°♁46'59" R _x	23°♁06'27" R _x	05°♁46'24" R _x	07°♁12'27"	03°♁50'08"	
1987-08-03	08°♁05'42"	09°♁50'05"	22°♁39'53"	04°♁09'54"	17°♁10'50"	29°♁14'49"	14°♁45'22" R _x	23°♁05'01" R _x	05°♁45'07" R _x	07°♁12'57"	03°♁50'29" R _x	
1987-08-04	21°♁30'51"	10°♁47'30"	24°♁18'12"	05°♁23'49"	17°♁49'00"	29°♁18'03"	14°♁43'50" R _x	23°♁03'38" R _x	05°♁43'52" R _x	07°♁13'30"	03°♁49'32" R _x	
1987-08-05	05°♁22'41"	11°♁44'55"	26°♁00'26"	06°♁37'45"	18°♁27'09"	29°♁21'06"	14°♁42'23" R _x	23°♁02'17" R _x	05°♁42'37" R _x	07°♁14'05"	03°♁46'46" R _x	
1987-08-06	19°♁41'40"	12°♁42'22"	27°♁46'15"	07°♁51'42"	19°♁05'18"	29°♁23'58"	14°♁41'03" R _x	23°♁00'59" R _x	05°♁41'24" R _x	07°♁14'42"	03°♁42'07" R _x	
1987-08-07	04°♁25'27"	13°♁39'49"	29°♁35'22"	09°♁05'41"	19°♁43'27"	29°♁26'38"	14°♁39'47" R _x	22°♁59'43" R _x	05°♁40'13" R _x	07°♁15'21"	03°♁35'54" R _x	
1987-08-08	19°♁28'21"	14°♁33'17"	01°♁27'26"	10°♁19'40"	20°♁21'36"	29°♁29'08"	14°♁38'38" R _x	22°♁58'30" R _x	05°♁39'02" R _x	07°♁16'02"	03°♁32'47" R _x	
1987-08-09	04°♁41'46"	15°♁34'46"	03°♁22'04"	11°♁33'41"	20°♁59'45"	29°♁31'25"	14°♁37'33" R _x	22°♁57'19" R _x	05°♁37'53" R _x	07°♁16'45"	03°♁21'37" R _x	
1987-08-10	19°♁55'22"	16°♁32'15"	05°♁18'55"	12°♁47'42"	21°♁37'53"	29°♁33'32"	14°♁36'35" R _x	22°♁56'11" R _x	05°♁36'45" R _x	07°♁17'30"	03°♁15'16" R _x	
1987-08-11	04°♁58'40"	17°♁29'46"	07°♁17'37"	14°♁01'45"	22°♁16'02"	29°♁35'26"	14°♁35'42" R _x	22°♁55'05" R _x	05°♁35'39" R _x	07°♁18'17"	03°♁10'26" R _x	
1987-08-12	19°♁42'54"	18°♁27'18"	09°♁17'46"	15°♁15'49"	22°♁54'10"	29°♁37'10"	14°♁34'54" R _x	22°♁54'03" R _x	05°♁34'34" R _x	07°♁19'05"	03°♁07'31" R _x	
1987-08-13	04°♁02'06"	19°♁24'51"	11°♁19'02"	16°♁29'54"	23°♁32'18"	29°♁38'41"	14°♁34'13" R _x	22°♁53'02" R _x	05°♁33'30" R _x	07°♁19'56"	03°♁06'31" R _x	
1987-08-14	17°♁53'36"	20°♁22'26"	13°♁21'03"	17°♁44'00"	24°♁10'27"	29°♁40'01"	14°♁33'36" R _x	22°♁52'05" R _x	05°♁32'27" R _x	07°♁20'49"	03°♁07'06"	
1987-08-15	01°♁17'37"	21°♁20'02"	15°♁23'31"	18°♁58'08"	24°♁48'35"	29°♁41'09"	14°♁33'06" R _x	22°♁51'10" R _x	05°♁31'26" R _x	07°♁21'43"	03°♁08'38"	
1987-08-16	14°♁16'30"	22°♁17'39"	17°♁26'08"	20°♁12'17"	25°♁26'44"	29°♁42'05"	14°♁32'42" R _x	22°♁50'18" R _x	05°♁30'27" R _x	07°♁22'40"	03°♁10'17"	
1987-08-17	26°♁53'50"	23°♁15'18"	19°♁28'38"	21°♁26'27"	26°♁04'53"	29°♁42'49"	14°♁32'23" R _x	22°♁49'29" R _x	05°♁29'29" R _x	07°♁23'38"	03°♁11'16"	
1987-08-18	09°♁13'50"	24°♁12'59"	21°♁30'48"	22°♁40'38"	26°♁43'03"	29°♁43'22"	14°♁32'10" R _x	22°♁48'43" R _x	05°♁28'33" R _x	07°♁24'39"	03°♁10'55" R _x	
1987-08-19	21°♁20'49"	25°♁10'41"	23°♁32'25"	23°♁54'51"	27°♁21'12"	29°♁43'42"	14°♁32'03" R _x	22°♁48'00" R _x	05°♁27'38" R _x	07°♁25'41"	03°♁08'51" R _x	
1987-08-20	03°♁18'56"	26°♁08'25"	25°♁33'18"	25°♁09'05"	27°♁59'22"	29°♁43'51"	14°♁32'02" R _x	22°♁47'20" R _x	05°♁26'45" R _x	07°♁26'45"	03°♁05'03" R _x	
1987-08-21	15°♁11'56"	27°♁06'11"	27°♁33'21"	26°♁23'20"	28°♁37'32"	29°♁43'48" R _x	14°♁32'06" R _x	22°♁46'42" R _x	05°♁25'53" R _x	07°♁27'52"	02°♁59'50" R _x	
1987-08-22	27°♁03'01"	28°♁03'58"	29°♁32'25"	27°♁37'36"	29°♁15'42"	29°♁43'32" R _x	14°♁32'17" R _x	22°♁46'08" R _x	05°♁25'04" R _x	07°♁29'00"	02°♁53'44" R _x	
1987-08-23	08°♁54'48"	29°♁01'46"	01°♁30'24"	28°♁51'53"	29°♁53'52"	29°♁43'04" R _x	14°♁32'33" R _x	22°♁45'36" R _x	05°♁24'15" R _x	07°♁30'10"	02°♁47'29" R _x	
1987-08-24	20°♁49'24"	29°♁59'36"	03°♁27'15"	00°♁06'11"	00°♁32'02"	29°♁42'25" R _x	14°♁32'55" R _x	22°♁45'07" R _x	05°♁23'29" R _x	07°♁31'22"	02°♁41'47" R _x	
1987-08-25	02°♁48'38"	00°♁57'28"	05°♁22'54"	01°♁20'30"	01°♁10'13"	29°♁41'33" R _x	14°♁33'23" R _x	22°♁44'41" R _x	05°♁22'43" R _x	07°♁32'35"	02°♁37'15" R _x	
1987-08-26	14°♁54'10"	01°♁55'21"	07°♁17'19"	02°♁34'50"	01°♁48'24"	29°♁40'29" R _x	14°♁33'57" R _x	22°♁44'19" R _x	05°♁22'00" R _x	07°♁33'51"	02°♁34'14" R _x	
1987-08-27	27°♁07'44"	02°♁07'15"	09°♁10'27"	03°♁49'11"	02°♁26'35"	29°♁39'13" R _x	14°♁34'37" R _x	22°♁43'59" R _x	05°♁21'18" R _x	07°♁35'08"	02°♁32'47" R _x	
1987-08-28	09°♁31'10"	03°♁51'11"	11°♁02'18"	05°♁03'33"	03°♁04'46"	29°♁37'45" R _x	14°♁35'22" R _x	22°♁43'42" R _x	05°♁20'39" R _x	07°♁36'27"	02°♁32'41"	
1987-08-29	22°♁06'35"	04°♁49'08"	12°♁52'52"	06°♁17'55"	03°♁42'57"	29°♁36'05" R _x	14°♁36'14" R _x	22°♁43'28" R _x	05°♁20'00" R _x	07°♁37'47"	02°♁33'31"	
1987-08-30	04°♁56'18"	05°♁47'06"	14°♁42'08"	07°♁32'18"	04°♁21'08"	29°♁34'14" R _x	14°♁37'11" R _x	22°♁43'17" R _x	05°♁19'24" R _x	07°♁39'10"	02°♁34'43"	
1987-08-31	18°♁02'46"	06°♁45'06"	16°♁30'06"	08°♁46'42"	04°♁59'20"	29°♁32'10" R _x	14°♁38'14" R _x	22°♁43'10" R _x	05°♁18'50" R _x	07°♁40'34"	02°♁35'43"	
1987-09-01	01°♁28'18"	07°♁43'07"	18°♁16'48"	10°♁01'07"	05°♁37'32"	29°♁29'55" R _x	14°♁39'23" R _x	22°♁43'05" R _x	05°♁18'17" R _x	07°♁42'00"	02°♁36'04" R _x	
1987-09-02	15°♁14'31"	08°♁41'10"	20°♁02'12"	11°♁15'33"	06°♁15'44"	29°♁27'28" R _x	14°♁40'38" R _x	22°♁43'04" R _x	05°♁17'46" R _x	07°♁43'28"	02°♁35'31" R _x	
1987-09-03	29°♁21'53"	09°♁39'14"	21°♁46'21"	12°♁29'59"	06°♁53'56"	29°♁24'50" R _x	14°♁41'59" R _x	22°♁43'06" R _x	05°♁17'17" R _x	07°♁44'58"	02°♁34'01" R _x	
1987-09-04	13°♁48'59"	10°♁37'19"	23°♁29'15"	13°♁44'26"	07°♁32'09"	29°♁22'00" R _x	14°♁43'25" R _x	22°♁43'11" R _x	05°♁16'50" R _x	07°♁46'29"	02°♁31'45" R _x	
1987-09-05	28°♁32'15"	11°♁35'26"	25°♁10'55"	14°♁58'53"	08°♁10'22"	29°♁18'58" R _x	14°♁44'58" R _x	22°♁43'19" R _x	05°♁16'25" R _x	07°♁48'02"	02°♁29'03" R _x	
1987-09-06	13°♁25'53"	12°♁33'34"	26°♁51'23"	16°♁13'21"	08°♁48'35"	29°♁15'46" R _x	14°♁46'35" R _x	22°♁43'29" R _x	05°♁16'02" R _x	07°♁49'36"	02°♁26'20" R _x	
1987-09-07	28°♁22'18"	13°♁31'44"	28°♁30'38"	17°♁27'49"	09°♁26'48"	29°♁12'21" R _x	14°♁48'19" R _x	22°♁43'43" R _x	05°♁15'40" R _x	07°♁51'12"	02°♁24'01" R _x	
1987-09-08	13°♁13'14"	14°♁29'55"	00°♁08'41"	18°♁42'18"	10°♁05'01"	29°♁08'46" R _x	14°♁50'08" R _x	22°♁44'00" R _x	05°♁15'20" R _x	07°♁52'50"	02°♁22'25" R _x	
1987-09-09	27°♁50'46"	15°♁28'08"	01°♁45'35"	19°♁56'48"	10°♁43'15"	29°♁04'59" R _x	14°♁52'02" R _x	22°♁44'20" R _x	05°♁15'02" R _x	07°♁54'29"	02°♁21'41" R _x	

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1987-09-10	12°☾08'36"	16°♁26'23"	03°♁21'19"	21°♁11'18"	11°♁21'30"	29°☾01'02" R _x	14°♁54'02"	22°♁44'43"	05°☽14'46" R _x	07°♁56'09"	02°☾21'49"		
1987-09-11	26°☾02'40"	17°♁24'40"	04°♁55'54"	22°♁25'49"	11°♁59'44"	28°☾56'54" R _x	14°♁56'08"	22°♁45'09"	05°☽14'32" R _x	07°♁57'51"	02°☾22'38"		
1987-09-12	09°♁31'27"	18°♁22'59"	06°♁29'21"	23°♁40'21"	12°♁38'00"	28°☾52'35" R _x	14°♁58'19"	22°♁45'38"	05°☽14'20" R _x	07°♁59'35"	02°☾23'54"		
1987-09-13	22°♁35'35"	19°♁21'20"	08°♁01'41"	24°♁54'53"	13°♁16'16"	28°☾48'05" R _x	15°♁00'36"	22°♁46'11"	05°☽14'10" R _x	08°♁01'20"	02°☾25'16"		
1987-09-14	05°♁17'26"	20°♁19'43"	09°♁32'52"	26°♁09'27"	13°♁54'32"	28°☾43'25" R _x	15°♁02'58"	22°♁46'46"	05°☽14'01" R _x	08°♁03'07"	02°☾26'27"		
1987-09-15	17°♁40'28"	21°♁18'08"	11°♁02'56"	27°♁24'00"	14°♁32'49"	28°☾38'35" R _x	15°♁05'26"	22°♁47'25"	05°☽13'55" R _x	08°♁04'55"	02°☾27'17"		
1987-09-16	29°♁48'53"	22°♁16'35"	12°♁31'53"	28°♁38'35"	15°♁11'07"	28°☾33'34" R _x	15°♁07'59"	22°♁48'06"	05°☽13'51" R _x	08°♁06'44"	02°☾27'38"		
1987-09-17	11°♁47'09"	23°♁15'05"	13°♁59'41"	29°♁53'10"	15°♁49'25"	28°☾28'23" R _x	15°♁10'38"	22°♁48'51"	05°☽13'49" R _x	08°♁08'35"	02°☾27'34" R _x		
1987-09-18	23°♁39'45"	24°♁13'37"	15°♁26'21"	01°♁07'46"	16°♁27'44"	28°☾23'03" R _x	15°♁13'22"	22°♁49'38"	05°☽13'48"	08°♁10'28"	02°☾27'10" R _x		
1987-09-19	05°♁30'55"	25°♁12'10"	16°♁51'52"	02°♁22'23"	17°♁06'03"	28°☾17'33" R _x	15°♁16'12"	22°♁50'29"	05°☽13'50"	08°♁12'21"	02°☾26'37" R _x		
1987-09-20	17°♁24'24"	26°♁10'46"	18°♁16'11"	03°♁37'00"	17°♁44'23"	28°☾11'53" R _x	15°♁19'06"	22°♁51'23"	05°☽13'53"	08°♁14'16"	02°☾26'04" R _x		
1987-09-21	29°♁23'24"	27°♁09'24"	19°♁39'19"	04°♁51'38"	18°♁22'44"	28°☾06'04" R _x	15°♁22'06"	22°♁52'20"	05°☽13'59"	08°♁16'13"	02°☾25'38" R _x		
1987-09-22	11°♁30'34"	28°♁08'04"	21°♁01'13"	06°♁06'16"	19°♁01'05"	28°☾00'06" R _x	15°♁25'11"	22°♁53'20"	05°☽14'06"	08°♁18'10"	02°☾25'21" R _x		
1987-09-23	23°♁47'54"	29°♁06'46"	22°♁21'50"	07°♁20'54"	19°♁39'26"	27°☾54'00" R _x	15°♁28'22"	22°♁54'22"	05°☽14'16"	08°♁20'09"	02°☾25'11" R _x		
1987-09-24	06°♁16'55"	00°♁05'30"	23°♁41'09"	08°♁35'33"	20°♁17'49"	27°☾47'44" R _x	15°♁31'37"	22°♁55'28"	05°☽14'27"	08°♁22'09"	02°☾25'03" R _x		
1987-09-25	18°♁58'38"	01°♁04'16"	24°♁59'07"	09°♁50'12"	20°♁56'11"	27°☾41'21" R _x	15°♁34'58"	22°♁56'37"	05°☽14'41"	08°♁24'10"	02°☾24'49" R _x		
1987-09-26	01°♁53'39"	02°♁03'04"	26°♁15'39"	11°♁04'52"	21°♁34'35"	27°☾34'50" R _x	15°♁38'24"	22°♁57'49"	05°☽14'56"	08°♁26'12"	02°☾24'25" R _x		
1987-09-27	15°♁02'18"	03°♁01'53"	27°♁30'42"	12°♁19'32"	22°♁12'58"	27°☾28'10" R _x	15°♁41'55"	22°♁59'04"	05°☽15'14"	08°♁28'16"	02°☾23'48" R _x		
1987-09-28	28°♁24'43"	04°♁00'45"	28°♁44'12"	13°♁34'12"	22°♁51'23"	27°☾21'24" R _x	15°♁45'31"	23°♁00'21"	05°☽15'33"	08°♁30'20"	02°☾23'00" R _x		
1987-09-29	12°♁00'52"	04°♁59'38"	29°♁56'02"	14°♁48'52"	23°♁29'48"	27°☾14'31" R _x	15°♁49'12"	23°♁01'42"	05°☽15'55"	08°♁32'26"	02°☾22'08" R _x		
1987-09-30	25°♁50'27"	05°♁58'33"	01°♁06'06"	16°♁03'33"	24°♁08'13"	27°☾07'30" R _x	15°♁52'57"	23°♁03'06"	05°☽16'18"	08°♁34'33"	02°☾21'21" R _x		
1987-10-01	09°☽52'45"	06°♁57'30"	02°♁14'18"	17°♁18'14"	24°♁46'39"	27°☾00'24" R _x	15°♁56'48"	23°♁04'33"	05°☽16'44"	08°♁36'41"	02°☾20'48" R _x		
1987-10-02	24°☽06'19"	07°♁56'29"	03°♁20'29"	18°♁32'54"	25°♁25'06"	26°☾53'11" R _x	16°♁00'44"	23°♁06'03"	05°☽17'11"	08°♁38'50"	02°☾20'38"		
1987-10-03	08°♁28'52"	08°♁55'29"	04°♁24'31"	19°♁47'35"	26°♁03'33"	26°☾45'52" R _x	16°♁04'44"	23°♁07'35"	05°☽17'41"	08°♁41'00"	02°☾20'51"		
1987-10-04	22°♁57'07"	09°♁54'31"	05°♁26'13"	21°♁02'16"	26°♁42'01"	26°☾38'28" R _x	16°♁08'48"	23°♁09'10"	05°☽18'12"	08°♁43'11"	02°☾21'26"		
1987-10-05	07°♁26'50"	10°♁53'35"	06°♁25'24"	22°♁16'56"	27°♁20'29"	26°☾30'58" R _x	16°♁12'58"	23°♁10'48"	05°☽18'46"	08°♁45'23"	02°☾22'10"		
1987-10-06	21°♁53'03"	11°♁52'40"	07°♁21'52"	23°♁31'37"	27°♁58'57"	26°☾23'23" R _x	16°♁17'12"	23°♁12'29"	05°☽19'21"	08°♁47'36"	02°☾22'52"		
1987-10-07	06°☽10'30"	12°♁51'48"	08°♁15'21"	24°♁46'18"	28°♁37'27"	26°☾15'44" R _x	16°♁21'30"	23°♁14'12"	05°☽19'58"	08°♁49'49"	02°☾23'14"		
1987-10-08	20°☾14'14"	13°♁50'57"	09°♁05'37"	26°♁00'59"	29°♁15'57"	26°☾08'01" R _x	16°♁25'53"	23°♁15'59"	05°☽20'37"	08°♁52'03"	02°☾23'05" R _x		
1987-10-09	04°♁00'14"	14°♁50'09"	09°♁52'21"	27°♁15'40"	29°♁54'28"	26°☾00'14" R _x	16°♁30'20"	23°♁17'48"	05°☽21'18"	08°♁54'18"	02°☾22'17" R _x		
1987-10-10	17°♁25'54"	15°♁49'23"	10°♁35'13"	28°♁30'21"	00°♁33'00"	25°☾52'23" R _x	16°♁34'51"	23°♁19'39"	05°☽22'01"	08°♁56'34"	02°☾20'53" R _x		
1987-10-11	00°♁30'17"	16°♁48'39"	11°♁13'53"	29°♁45'02"	01°♁11'32"	25°☾44'28" R _x	16°♁39'27"	23°♁21'34"	05°☽22'46"	08°♁58'51"	02°☾19'03" R _x		
1987-10-12	13°♁14'07"	17°♁47'57"	11°♁47'55"	00°♁59'44"	01°♁50'06"	25°☾36'31" R _x	16°♁44'08"	23°♁23'31"	05°☽23'33"	09°♁01'09"	02°☾17'05" R _x		
1987-10-13	25°♁39'32"	18°♁47'17"	12°♁16'55"	02°♁14'26"	02°♁28'40"	25°☾28'32" R _x	16°♁48'52"	23°♁25'31"	05°☽24'22"	09°♁03'27"	02°☾15'21" R _x		
1987-10-14	07°♁49'49"	19°♁46'40"	12°♁40'24"	03°♁29'08"	03°♁07'15"	25°☾20'30" R _x	16°♁53'41"	23°♁27'34"	05°☽25'13"	09°♁05'46"	02°☾14'13" R _x		
1987-10-15	19°♁49'02"	20°♁46'06"	12°♁57'53"	04°♁43'50"	03°♁45'51"	25°☾12'26" R _x	16°♁58'34"	23°♁29'39"	05°☽26'06"	09°♁08'05"	02°☾13'55"		
1987-10-16	01°♁41'49"	21°♁45'33"	13°♁08'51"	05°♁58'32"	04°♁24'28"	25°☾04'21" R _x	17°♁03'31"	23°♁31'46"	05°☽27'00"	09°♁10'26"	02°☾14'35"		
1987-10-17	13°♁33'07"	22°♁45'03"	13°♁12'47"	07°♁13'15"	05°♁03'06"	24°☾56'15" R _x	17°♁08'31"	23°♁33'57"	05°☽27'57"	09°♁12'46"	02°☾16'04"		
1987-10-18	25°♁27'22"	23°♁44'35"	13°♁09'10" R _x	08°♁27'57"	05°♁41'45"	24°☾48'08" R _x	17°♁13'36"	23°♁36'09"	05°☽28'55"	09°♁15'08"	02°☾18'05"		
1987-10-19	07°♁29'20"	24°♁44'09"	12°♁57'33" R _x	09°♁42'40"	06°♁20'24"	24°☾40'00" R _x	17°♁18'45"	23°♁38'25"	05°☽29'55"	09°♁17'29"	02°☾20'09"		
1987-10-20	19°♁42'47"	25°♁43'45"	12°♁37'31" R _x	10°♁57'23"	06°♁59'04"	24°☾31'53" R _x	17°♁23'57"	23°♁40'42"	05°☽30'57"	09°♁19'52"	02°☾21'43"		
1987-10-21	02°♁10'49"	26°♁43'24"	12°♁08'49" R _x	12°♁12'06"	07°♁37'45"	24°☾23'46" R _x	17°♁29'14"	23°♁43'02"	05°☽32'01"	09°♁22'14"	02°☾22'17" R _x		
1987-10-22	14°♁55'29"	27°♁43'05"	11°♁31'20" R _x	13°♁26'49"	08°♁16'27"	24°☾15'40" R _x	17°♁34'34"	23°♁45'25"	05°☽33'06"	09°♁24'37"	02°☾21'29" R _x		
1987-10-23	27°♁57'44"	28°♁42'47"	10°♁45'11" R _x	14°♁41'32"	08°♁55'10"	24°☾07'35" R _x	17°♁39'57"	23°♁47'50"	05°☽34'14"	09°♁27'01"	02°☾19'10" R _x		
1987-10-24	11°♁17'09"	29°♁42'32"	09°♁50'47" R _x	15°♁56'16"	09°♁33'54"	23°☾59'31" R _x	17°♁45'25"	23°♁50'17"	05°☽35'23"	09°♁29'25"	02°☾15'28" R _x		
1987-10-25	24°♁52'11"	00°♁42'19"	08°♁48'56" R _x	17°♁10'59"	10°♁12'38"	23°☾51'30" R _x	17°♁50'56"	23°♁52'47"	05°☽36'34"	09°♁31'49"	02°☾15'47" R _x		
1987-10-26	08°♁40'19"	01°♁42'08"	07°♁40'45" R _x	18°♁25'42"	10°♁51'23"	23°☾43'31" R _x	17°♁56'30"	23°♁55'19"	05°☽37'47"	09°♁34'14"	02°☾05'42" R _x		
1987-10-27	22°♁38'27"	02°♁41'58"	06°♁27'46" R _x	19°♁40'25"	11°♁30'09"	23°☾35'35" R _x	18°♁02'08"	23°♁57'53"	05°☽39'01"	09°♁36'39"	02°☾00'52" R _x		
1987-10-28	06°☽43'28"	03°♁41'50"	05°♁11'55" R _x	20°♁55'08"	12°♁08'56"	23°☾27'43" R _x	18°♁07'50"	24°♁00'30"	05°☽40'18"	09°♁39'04"	01°☾56'57" R _x		
1987-10-29	20°☽52'24"	04°♁41'44"	03°♁55'20" R _x	22°♁09'51"	12°♁47'43"	23°☾19'54" R _x	18°♁13'34"	24°♁03'09"	05°☽41'36"	09°♁41'30"	01°☾54'21" R _x		
1987-10-30	05°♁02'46"	05°♁41'40"	02°♁40'22" R _x	23°♁24'34"	13°♁26'32"	23°☾12'08" R _x	18°♁19'22"	24°♁05'50"	05°☽42'56"	09°♁43'55"	01°☾53'16" R _x		
1987-10-31	19°♁12'30"	06°♁41'37"	01°♁29'23" R _x	24°♁39'16"	14°♁05'20"	23°☾04'27" R _x	18°♁25'13"	24°♁08'33"	05°☽44'17"	09°♁46'21"	01°☾53'33"		
1987-11-01	03°♁19'54"	07°♁41'35"	00°♁24'34" R _x	25°♁53'58"	14°♁44'10"	22°☽56'51" R _x	18°♁31'07"	24°♁11'18"	05°☽45'40"	09°♁48'47"	01°☾54'44"		

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1987-11-02	17°☿23'21"	08°♁41'36"	29°♂27'52" R _x	27°♁08'39"	15°♂23'00"	22°♁49'20" R _x	18°♂37'04"	24°♂14'05"	05°♁54'04"	09°♁51'13"	01°♁56'07"	
1987-11-03	01°♁21'07"	09°♁41'37"	28°♂40'49" R _x	28°♁23'20"	16°♂01'51"	22°♁41'53" R _x	18°♂43'04"	24°♂16'54"	05°♁54'30"	09°♁53'38"	01°♁56'56"	
1987-11-04	15°♁11'09"	10°♁41'41"	28°♂04'32" R _x	29°♁38'01"	16°♂40'43"	22°♁34'33" R _x	18°♂49'07"	24°♂19'45"	05°♁54'58"	09°♁56'04"	01°♁56'27" R _x	
1987-11-05	28°♁51'02"	11°♁41'46"	27°♂39'39" R _x	00°♂52'42"	17°♂19'36"	22°♁27'18" R _x	18°♂55'12"	24°♂22'37"	05°♁55'12"	09°♁58'30"	01°♁54'09" R _x	
1987-11-06	12°♂18'19"	12°♁41'53"	27°♂26'24" R _x	02°♂07'22"	17°♂58'30"	22°♁20'10" R _x	19°♂01'21"	24°♂25'32"	05°♁55'25"	10°♁00'56"	01°♁49'50" R _x	
1987-11-07	25°♂30'48"	13°♁42'02"	27°♂24'40"	03°♂22'02"	18°♂37'25"	22°♁13'08" R _x	19°♂07'32"	24°♂28'29"	05°♁55'31"	10°♁03'21"	01°♁43'41" R _x	
1987-11-08	08°♁26'59"	14°♁42'12"	27°♂34'00"	04°♂36'42"	19°♂16'21"	22°♁06'13" R _x	19°♂13'46"	24°♂31'28"	05°♁55'40"	10°♁05'47"	01°♁36'13" R _x	
1987-11-09	21°♁06'29"	15°♁42'25"	27°♂53'46"	05°♂51'22"	19°♂55'18"	21°♁59'25" R _x	19°♂20'02"	24°♂34'28"	05°♁55'47"	10°♁08'13"	01°♁28'15" R _x	
1987-11-10	03°♁30'03"	16°♁42'40"	28°♂23'11"	07°♂06'02"	20°♂34'16"	21°♁52'45" R _x	19°♂26'21"	24°♂37'30"	05°♁55'54"	10°♁10'38"	01°♁20'40" R _x	
1987-11-11	15°♁39'41"	17°♁42'56"	29°♂01'23"	08°♂20'41"	21°♂13'14"	21°♁46'12" R _x	19°♂32'43"	24°♂40'34"	06°♁56'00"	10°♁13'03"	01°♁14'19" R _x	
1987-11-12	27°♁38'31"	18°♁43'15"	29°♂47'28"	09°♂35'20"	21°♂52'14"	21°♁39'47" R _x	19°♂39'06"	24°♂43'40"	06°♁56'07"	10°♁15'28"	01°♁09'49" R _x	
1987-11-13	09°♂30'33"	19°♁43'35"	00°♁40'34"	10°♂50'00"	22°♂31'15"	21°♁33'31" R _x	19°♂45'33"	24°♂46'47"	06°♁56'14"	10°♁17'53"	01°♁07'22" R _x	
1987-11-14	21°♂20'34"	20°♁43'57"	01°♁39'49"	12°♂04'39"	23°♂10'17"	21°♁27'23" R _x	19°♂52'01"	24°♂49'56"	06°♁56'21"	10°♁20'17"	01°♁06'50"	
1987-11-15	03°♁13'44"	21°♁44'21"	02°♁44'28"	13°♂19'18"	23°♂49'20"	21°♁21'24" R _x	19°♂58'32"	24°♂53'06"	06°♁56'28"	10°♁22'41"	01°♁07'37"	
1987-11-16	15°♁15'19"	22°♁44'48"	03°♁53'45"	14°♂33'56"	24°♂28'24"	21°♁15'33" R _x	20°♂05'05"	24°♂56'18"	06°♁56'35"	10°♁25'04"	01°♁08'50"	
1987-11-17	27°♁30'24"	23°♁45'15"	05°♁07'02"	15°♂48'35"	25°♂07'29"	21°♁09'53" R _x	20°♂11'40"	24°♂59'31"	06°♁56'42"	10°♁27'27"	01°♁09'31"	
1987-11-18	10°♂03'26"	24°♁45'45"	06°♁23'45"	17°♂03'14"	25°♂46'35"	21°♁04'21" R _x	20°♂18'17"	25°♂02'46"	06°♁56'49"	10°♁29'50"	01°♁08'44" R _x	
1987-11-19	22°♂57'51"	25°♁46'17"	07°♁43'22"	18°♂17'52"	26°♂25'42"	20°♁59'00" R _x	20°♂24'56"	25°♂06'02"	06°♁56'56"	10°♁32'12"	01°♁05'48" R _x	
1987-11-20	06°♁15'28"	26°♁46'50"	09°♁05'27"	19°♂32'30"	27°♂04'50"	20°♁53'48" R _x	20°♂31'36"	25°♂09'20"	06°♁57'03"	10°♁34'34"	01°♁00'26" R _x	
1987-11-21	19°♁56'09"	27°♁47'25"	10°♁29'36"	20°♂47'08"	27°♂43'58"	20°♁48'47" R _x	20°♂38'19"	25°♂12'39"	06°♁57'10"	10°♁36'55"	00°♁52'49" R _x	
1987-11-22	03°♂57'25"	28°♁48'01"	11°♁55'30"	22°♂01'46"	28°♂23'08"	20°♁43'56" R _x	20°♂45'04"	25°♂15'59"	06°♁57'17"	10°♁39'16"	00°♁43'33" R _x	
1987-11-23	18°♂14'42"	29°♁48'39"	13°♁22'50"	23°♂16'23"	29°♂02'19"	20°♁39'16" R _x	20°♂51'50"	25°♂19'21"	06°♁57'24"	10°♁41'36"	00°♁33'33" R _x	
1987-11-24	02°♁41'57"	00°♂49'19"	14°♁51'23"	24°♂31'01"	29°♂41'31"	20°♁34'47" R _x	20°♂58'38"	25°♂22'43"	06°♁57'31"	10°♁43'56"	00°♁23'52" R _x	
1987-11-25	17°♁12'34"	01°♂49'59"	16°♁20'54"	25°♂45'37"	00°♁20'43"	20°♁30'29" R _x	21°♂05'28"	25°♂26'07"	06°♁57'38"	10°♁46'15"	00°♁15'31" R _x	
1987-11-26	01°♂40'32"	02°♂50'41"	17°♁51'15"	27°♂00'13"	00°♁59'56"	20°♁26'22" R _x	21°♂12'19"	25°♂29'33"	06°♁57'45"	10°♁48'33"	00°♁09'12" R _x	
1987-11-27	16°♂01'10"	03°♂51'24"	19°♁22'15"	28°♂14'49"	01°♁39'10"	20°♁22'27" R _x	21°♂19'11"	25°♂32'59"	06°♁57'52"	10°♁50'50"	00°♁05'13" R _x	
1987-11-28	00°♂11'29"	04°♂52'08"	20°♁53'47"	29°♂29'24"	02°♁18'25"	20°♁18'43" R _x	21°♂26'05"	25°♂36'26"	06°♁58'00"	10°♁53'07"	00°♁03'21" R _x	
1987-11-29	14°♂10'09"	05°♂52'53"	22°♁25'45"	00°♂43'58"	02°♁57'41"	20°♁15'10" R _x	21°♂32'59"	25°♂39'54"	06°♁58'07"	10°♁55'22"	00°♁03'09" R _x	
1987-11-30	27°♂57'03"	06°♂53'38"	23°♁58'04"	01°♁58'31"	03°♁36'57"	20°♁11'49" R _x	21°♂39'55"	25°♂43'22"	06°♁58'14"	10°♁57'37"	00°♁03'09" R _x	
1987-12-01	11°♁32'42"	07°♂54'25"	25°♁30'39"	03°♁13'03"	04°♁16'14"	20°♁08'40" R _x	21°♂46'52"	25°♂46'52"	06°♁58'21"	10°♁59'51"	00°♁02'37" R _x	
1987-12-02	24°♁57'39"	08°♂55'12"	27°♁03'27"	04°♁27'35"	04°♁55'32"	20°♁05'43" R _x	21°♂53'50"	25°♂50'23"	06°♁58'28"	11°♁02'04"	00°♁00'20" R _x	
1987-12-03	08°♂12'12"	09°♂56'01"	28°♁36'25"	05°♁42'06"	05°♁34'51"	20°♁02'58" R _x	22°♂00'50"	25°♂53'54"	06°♁58'35"	11°♁04'16"	29°♂55'33" R _x	
1987-12-04	21°♂16'08"	10°♂56'51"	00°♂09'32"	06°♁56'36"	06°♁14'11"	20°♁00'25" R _x	22°♂07'50"	25°♂57'26"	06°♁58'42"	11°♁06'28"	29°♂47'53" R _x	
1987-12-05	04°♁08'54"	11°♂57'41"	01°♂42'44"	08°♁11'06"	06°♁53'32"	19°♁58'04" R _x	22°♂14'51"	26°♂00'59"	06°♁58'49"	11°♁08'38"	29°♂37'32" R _x	
1987-12-06	16°♁49'49"	12°♂58'33"	03°♂16'02"	09°♁25'34"	07°♁32'55"	19°♁55'56" R _x	22°♂21'52"	26°♂04'33"	06°♁58'56"	11°♁10'47"	29°♂25'11" R _x	
1987-12-07	29°♁18'28"	13°♂59'26"	04°♂49'24"	10°♁40'02"	08°♁12'18"	19°♁53'59" R _x	22°♂28'55"	26°♂08'07"	06°♁59'03"	11°♁12'56"	29°♂11'53" R _x	
1987-12-08	11°♁35'01"	15°♂00'20"	06°♂22'49"	11°♁54'29"	08°♁51'42"	19°♁52'15" R _x	22°♂35'58"	26°♂11'42"	06°♁59'10"	11°♁15'03"	28°♂58'52" R _x	
1987-12-09	23°♁40'28"	16°♂01'15"	07°♂56'17"	13°♁08'56"	09°♁31'07"	19°♁50'44" R _x	22°♂43'02"	26°♂15'17"	06°♁59'17"	11°♁17'09"	28°♂47'19" R _x	
1987-12-10	05°♂36'50"	17°♂02'11"	09°♂29'49"	14°♁23'21"	10°♁10'34"	19°♁49'25" R _x	22°♂50'06"	26°♂18'53"	06°♁59'24"	11°♁19'14"	28°♂38'08" R _x	
1987-12-11	17°♂27'06"	18°♂03'08"	11°♂03'23"	15°♁37'45"	10°♁50'01"	19°♁48'18" R _x	22°♂57'11"	26°♂22'30"	06°♁59'31"	11°♁21'18"	28°♂31'44" R _x	
1987-12-12	29°♂15'15"	19°♂04'07"	12°♂37'01"	16°♁52'09"	11°♁29'29"	19°♁47'23" R _x	23°♂04'16"	26°♂26'06"	07°♁59'38"	11°♁23'20"	28°♂28'04" R _x	
1987-12-13	11°♁06'02"	20°♂05'06"	14°♂10'42"	18°♁06'32"	12°♁08'59"	19°♁46'41" R _x	23°♂11'21"	26°♂29'43"	07°♁59'45"	11°♁25'22"	28°♂26'30" R _x	
1987-12-14	23°♁04'47"	21°♂06'07"	15°♂44'27"	19°♁20'53"	12°♁48'29"	19°♁46'12" R _x	23°♂18'27"	26°♂33'21"	07°♁59'52"	11°♁27'22"	28°♂26'02" R _x	
1987-12-15	05°♂17'01"	22°♂07'08"	17°♂18'18"	20°♁35'14"	13°♁28'01"	19°♁45'55" R _x	23°♂25'33"	26°♂36'58"	07°♁59'59"	11°♁29'21"	28°♂25'29" R _x	
1987-12-16	17°♂48'09"	23°♂08'11"	18°♂52'13"	21°♁49'34"	14°♁07'33"	19°♁45'50"	23°♂32'39"	26°♂40'36"	07°♁60'06"	11°♁31'18"	28°♂23'41" R _x	
1987-12-17	00°♁42'56"	24°♂09'14"	20°♂26'16"	23°♁03'54"	14°♁47'07"	19°♁45'59"	23°♂39'45"	26°♂44'14"	07°♁60'13"	11°♁33'14"	28°♂19'44" R _x	
1987-12-18	14°♁04'46"	25°♂10'19"	22°♂00'25"	24°♁18'12"	15°♁26'41"	19°♁46'19"	23°♂46'51"	26°♂47'52"	07°♁60'20"	11°♁35'09"	28°♂13'12" R _x	
1987-12-19	27°♁54'53"	26°♂11'24"	23°♂34'42"	25°♁32'29"	16°♁06'17"	19°♁46'53"	23°♂53'57"	26°♂51'30"	07°♁60'27"	11°♁37'03"	28°♂04'08" R _x	
1987-12-20	12°♂11'39"	27°♂12'31"	25°♂09'07"	26°♁46'45"	16°♁45'54"	19°♁47'39"	24°♂01'03"	26°♂55'09"	07°♁60'34"	11°♁38'55"	27°♂53'08" R _x	
1987-12-21	26°♂50'13"	28°♂13'38"	26°♂43'43"	28°♁01'00"	17°♁25'31"	19°♁48'38"	24°♂08'09"	26°♂58'47"	07°♁60'41"	11°♁40'46"	27°♂41'09" R _x	
1987-12-22	11°♁43'01"	29°♂14'45"	28°♂18'29"	29°♁15'14"	18°♁05'09"	19°♁49'49"	24°♂15'14"	27°♂02'26"	07°♁60'48"	11°♁42'35"	27°♂29'23" R _x	
1987-12-23	26°♁40'50"	00°♁15'53"	29°♂53'26"	00°♂29'26"	18°♁44'49"	19°♁51'13"	24°♂22'20"	27°♂06'04"	07°♁60'55"	11°♁44'23"	27°♂18'56" R _x	
1987-12-24	11°♂34'24"	01°♁17'01"	01°♁28'35"	01°♂43'37"	19°♁24'28"	19°♁52'49"	24°♂29'24"	27°♂09'42"	07°♁61'02"	11°♁46'09"	27°♂10'40" R _x	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon	♂ Geo Lon
1987-12-25	26°≈16'01"	02°≈18'10"	03°≈03'57"	02°≈57'46"	20°≈04'09"	19°≈54'37"	24°≈36'28"	27°≈13'20"	07°≈30'31"	11°≈47'54"	27°≈05'01"	R
1987-12-26	10°≈40'26"	03°≈19'18"	04°≈39'32"	04°≈11'53"	20°≈43'50"	19°≈56'38"	24°≈43'32"	27°≈16'58"	07°≈32'47"	11°≈49'37"	27°≈01'50"	R
1987-12-27	24°≈45'11"	04°≈20'26"	06°≈15'23"	05°≈25'59"	21°≈23'32"	19°≈58'51"	24°≈50'34"	27°≈20'35"	07°≈35'03"	11°≈51'18"	27°≈00'32"	R
1987-12-28	08°≈30'09"	05°≈21'35"	07°≈51'28"	06°≈40'03"	22°≈03'15"	20°≈01'17"	24°≈57'36"	27°≈24'12"	07°≈37'19"	11°≈52'58"	27°≈00'06"	R
1987-12-29	21°≈56'45"	06°≈22'43"	09°≈27'49"	07°≈54'04"	22°≈42'59"	20°≈03'54"	25°≈04'37"	27°≈27'48"	07°≈39'35"	11°≈54'36"	26°≈59'19"	R
1987-12-30	05°≈07'07"	07°≈23'52"	11°≈04'26"	09°≈08'04"	23°≈22'43"	20°≈06'43"	25°≈11'37"	27°≈31'24"	07°≈41'51"	11°≈56'12"	26°≈57'01"	R
1987-12-31	18°≈03'29"	08°≈25'00"	12°≈41'21"	10°≈22'02"	24°≈02'29"	20°≈09'45"	25°≈18'36"	27°≈35'00"	07°≈44'08"	11°≈57'47"	26°≈52'20"	R
1988-01-01	00°≈47'45"	09°≈26'08"	14°≈18'32"	11°≈35'57"	24°≈42'15"	20°≈12'58"	25°≈25'35"	27°≈38'35"	07°≈46'24"	11°≈59'20"	26°≈44'48"	R
1988-01-02	13°≈21'20"	10°≈27'17"	15°≈56'00"	12°≈49'50"	25°≈22'02"	20°≈16'23"	25°≈32'32"	27°≈42'09"	07°≈48'41"	12°≈00'51"	26°≈34'31"	R
1988-01-03	25°≈45'13"	11°≈28'25"	17°≈33'45"	14°≈03'41"	26°≈01'50"	20°≈20'00"	25°≈39'28"	27°≈45'43"	07°≈50'57"	12°≈02'21"	26°≈22'07"	R
1988-01-04	08°≈00'05"	12°≈29'33"	19°≈11'46"	15°≈17'30"	26°≈41'39"	20°≈23'48"	25°≈46'23"	27°≈49'17"	07°≈53'13"	12°≈03'49"	26°≈08'35"	R
1988-01-05	20°≈06'33"	13°≈30'42"	20°≈50'03"	16°≈31'16"	27°≈21'29"	20°≈27'48"	25°≈53'16"	27°≈52'49"	07°≈55'29"	12°≈05'15"	25°≈55'09"	R
1988-01-06	02°≈05'28"	14°≈31'50"	22°≈28'34"	17°≈44'59"	28°≈01'21"	20°≈31'59"	26°≈00'09"	27°≈56'21"	07°≈57'45"	12°≈06'39"	25°≈43'04"	R
1988-01-07	13°≈58'13"	15°≈32'58"	24°≈07'18"	18°≈58'41"	28°≈41'13"	20°≈36'22"	26°≈06'59"	27°≈59'52"	08°≈00'01"	12°≈08'01"	25°≈33'17"	R
1988-01-08	25°≈46'52"	16°≈34'06"	25°≈46'13"	20°≈12'19"	29°≈21'05"	20°≈40'55"	26°≈13'49"	28°≈03'22"	08°≈02'16"	12°≈09'22"	25°≈26'20"	R
1988-01-09	07°≈34'21"	17°≈35'14"	27°≈25'15"	21°≈25'55"	00°≈00'59"	20°≈45'40"	26°≈20'36"	28°≈06'52"	08°≈04'31"	12°≈10'40"	25°≈22'16"	R
1988-01-10	19°≈24'25"	18°≈36'23"	29°≈04'23"	22°≈39'28"	00°≈40'54"	20°≈50'36"	26°≈27'22"	28°≈10'20"	08°≈06'46"	12°≈11'57"	25°≈20'35"	R
1988-01-11	01°≈21'33"	19°≈37'31"	00°≈43'30"	23°≈52'59"	01°≈20'50"	20°≈55'42"	26°≈34'07"	28°≈13'47"	08°≈09'00"	12°≈13'11"	25°≈20'26"	
1988-01-12	13°≈30'47"	20°≈38'39"	02°≈22'32"	25°≈06'26"	02°≈00'47"	21°≈01'00"	26°≈40'49"	28°≈17'14"	08°≈11'14"	12°≈14'24"	25°≈20'41"	
1988-01-13	25°≈57'25"	21°≈39'47"	04°≈01'23"	26°≈19'51"	02°≈40'45"	21°≈06'28"	26°≈47'30"	28°≈20'39"	08°≈13'28"	12°≈15'35"	25°≈20'14"	R
1988-01-14	08°≈46'37"	22°≈40'55"	05°≈39'54"	27°≈33'13"	03°≈20'44"	21°≈12'07"	26°≈54'09"	28°≈24'04"	08°≈15'41"	12°≈16'44"	25°≈18'11"	R
1988-01-15	22°≈02'48"	23°≈42'04"	07°≈17'56"	28°≈46'33"	04°≈00'43"	21°≈17'56"	27°≈00'46"	28°≈27'27"	08°≈17'54"	12°≈17'51"	25°≈14'00"	R
1988-01-16	05°≈48'45"	24°≈43'12"	08°≈55'19"	29°≈59'49"	04°≈40'44"	21°≈23'57"	27°≈07'21"	28°≈30'49"	08°≈20'06"	12°≈18'56"	25°≈07'38"	R
1988-01-17	20°≈04'39"	25°≈44'20"	10°≈31'48"	01°≈13'02"	05°≈20'46"	21°≈30'07"	27°≈13'54"	28°≈34'10"	08°≈22'18"	12°≈19'59"	24°≈59'29"	R
1988-01-18	04°≈47'19"	26°≈45'27"	12°≈07'09"	02°≈26'12"	06°≈00'48"	21°≈36'28"	27°≈20'25"	28°≈37'30"	08°≈24'30"	12°≈21'00"	24°≈50'21"	R
1988-01-19	19°≈50'06"	27°≈46'35"	13°≈41'02"	03°≈39'19"	06°≈40'51"	21°≈42'59"	27°≈26'54"	28°≈40'48"	08°≈26'40"	12°≈21'59"	24°≈41'11"	R
1988-01-20	05°≈03'32"	28°≈47'41"	15°≈13'07"	04°≈52'22"	07°≈20'55"	21°≈49'40"	27°≈33'20"	28°≈44'05"	08°≈28'51"	12°≈22'56"	24°≈33'01"	R
1988-01-21	20°≈16'50"	29°≈48'47"	16°≈42'59"	06°≈05'22"	08°≈00'59"	21°≈56'31"	27°≈39'44"	28°≈47'20"	08°≈31'00"	12°≈23'51"	24°≈26'36"	R
1988-01-22	05°≈19'48"	00°≈49'52"	18°≈10'10"	07°≈18'18"	08°≈41'04"	22°≈03'31"	27°≈46'05"	28°≈50'34"	08°≈33'09"	12°≈24'43"	24°≈22'22"	R
1988-01-23	20°≈04'23"	01°≈50'57"	19°≈34'09"	08°≈31'09"	09°≈21'09"	22°≈10'42"	27°≈52'24"	28°≈53'47"	08°≈35'17"	12°≈25'34"	24°≈20'21"	R
1988-01-24	04°≈25'35"	02°≈52'00"	20°≈54'19"	09°≈43'57"	10°≈01'15"	22°≈18'01"	27°≈58'40"	28°≈56'57"	08°≈37'24"	12°≈26'22"	24°≈20'07"	
1988-01-25	18°≈21'33"	03°≈53'02"	22°≈10'01"	10°≈56'40"	10°≈41'22"	22°≈25'30"	28°≈04'53"	29°≈00'07"	08°≈39'30"	12°≈27'08"	24°≈20'52"	
1988-01-26	01°≈52'57"	04°≈54'04"	23°≈20'32"	12°≈09'19"	11°≈21'29"	22°≈33'09"	28°≈11'04"	29°≈03'14"	08°≈41'36"	12°≈27'52"	24°≈21'41"	
1988-01-27	15°≈02'02"	05°≈55'04"	24°≈25'05"	13°≈21'54"	12°≈01'37"	22°≈40'57"	28°≈17'12"	29°≈06'20"	08°≈43'41"	12°≈28'34"	24°≈21'36"	R
1988-01-28	27°≈51'53"	06°≈56'03"	25°≈22'53"	14°≈34'24"	12°≈41'46"	22°≈48'53"	28°≈23'16"	29°≈09'25"	08°≈45'45"	12°≈29'14"	24°≈19'54"	R
1988-01-29	10°≈25'44"	07°≈57'01"	26°≈13'05"	15°≈46'49"	13°≈21'55"	22°≈56'59"	28°≈29'19"	29°≈12'27"	08°≈47'48"	12°≈29'52"	24°≈16'08"	R
1988-01-30	22°≈46'43"	08°≈57'58"	26°≈54'51"	16°≈59'08"	14°≈02'06"	23°≈05'14"	28°≈35'18"	29°≈15'28"	08°≈49'50"	12°≈30'28"	24°≈10'19"	R
1988-01-31	04°≈57'32"	09°≈58'54"	27°≈27'22"	18°≈11'23"	14°≈42'16"	23°≈13'37"	28°≈41'14"	29°≈18'27"	08°≈51'51"	12°≈31'01"	24°≈02'51"	R
1988-02-01	17°≈00'30"	10°≈59'48"	27°≈49'57"	19°≈23'33"	15°≈22'28"	23°≈22'08"	28°≈47'07"	29°≈21'25"	08°≈53'52"	12°≈31'32"	23°≈54'27"	R
1988-02-02	28°≈57'28"	12°≈00'42"	28°≈01'59"	20°≈35'37"	16°≈02'40"	23°≈30'48"	28°≈52'56"	29°≈24'20"	08°≈55'51"	12°≈32'02"	23°≈46'01"	R
1988-02-03	10°≈50'04"	13°≈01'34"	28°≈03'03"	21°≈47'36"	16°≈42'54"	23°≈39'37"	28°≈58'43"	29°≈27'13"	08°≈57'49"	12°≈32'29"	23°≈38'28"	R
1988-02-04	22°≈39'54"	14°≈02'25"	27°≈52'55"	22°≈59'29"	17°≈23'08"	23°≈48'33"	29°≈04'26"	29°≈30'05"	08°≈59'46"	12°≈32'53"	23°≈32'31"	R
1988-02-05	04°≈28'42"	15°≈03'16"	27°≈31'41"	24°≈11'16"	18°≈03'22"	23°≈57'37"	29°≈10'05"	29°≈32'54"	09°≈01'42"	12°≈33'16"	23°≈28'36"	R
1988-02-06	16°≈18'39"	16°≈04'05"	26°≈59'43"	25°≈22'58"	18°≈43'38"	24°≈06'49"	29°≈15'42"	29°≈35'41"	09°≈03'37"	12°≈33'36"	23°≈26'49"	R
1988-02-07	28°≈12'26"	17°≈04'53"	26°≈17'44"	26°≈34'33"	19°≈23'54"	24°≈16'09"	29°≈21'14"	29°≈38'26"	09°≈05'31"	12°≈33'54"	23°≈26'50"	
1988-02-08	10°≈13'15"	18°≈05'40"	25°≈26'49"	27°≈46'03"	20°≈04'11"	24°≈25'37"	29°≈26'43"	29°≈41'10"	09°≈07'24"	12°≈34'10"	23°≈28'06"	
1988-02-09	22°≈24'52"	19°≈06'26"	24°≈28'19"	28°≈57'26"	20°≈44'29"	24°≈35'13"	29°≈32'09"	29°≈43'51"	09°≈09'15"	12°≈34'24"	23°≈29'50"	
1988-02-10	04°≈51'28"	20°≈07'11"	23°≈23'56"	00°≈08'44"	21°≈24'47"	24°≈44'55"	29°≈37'31"	29°≈46'29"	09°≈11'05"	12°≈34'36"	23°≈31'17"	
1988-02-11	17°≈37'20"	21°≈07'55"	22°≈15'29"	01°≈19'55"	22°≈05'07"	24°≈54'46"	29°≈42'49"	29°≈49'06"	09°≈12'54"	12°≈34'45"	23°≈31'49"	R
1988-02-12	00°≈46'35"	22°≈08'38"	21°≈04'56"	02°≈30'59"	22°≈45'27"	25°≈04'43"	29°≈48'04"	29°≈51'41"	09°≈14'42"	12°≈34'53"	23°≈31'02"	R
1988-02-13	14°≈22'24"	23°≈09'20"	19°≈54'14"	03°≈41'57"	23°≈25'48"	25°≈14'48"	29°≈53'14"	29°≈54'13"	09°≈16'29"	12°≈34'58"	23°≈28'52"	R
1988-02-14	28°≈26'16"	24°≈10'01"	18°≈45'14"	04°≈52'49"	24°≈06'10"	25°≈25'00"	29°≈58'21"	29°≈56'43"	09°≈18'14"	12°≈35'01"	23°≈25'33"	R
1988-02-15	12°≈57'07"	25°≈10'41"	17°≈39'33"	06°≈03'33"	24°≈46'32"	25°≈35'19"	00°≈03'24"	29°≈59'10"	09°≈19'58"	12°≈35'02"	23°≈21'30"	R

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♄ Geo Lon	♆ Geo Lon	♇ Geo Lon	♁ Geo Lon
1988-02-16	27°v50'48"	26°≈11'19"	16°≈38'35"R _x	07°π14'11"	25°≈26'54"	25°π45'45"	00°v8'22"	00°v8'01'36"	09°v21'41"	12°m.35'01"R _x	23°≈17'21"R _x	
1988-02-17	13°≈00'05"	27°≈11'57"	15°≈43'29"R _x	08°π24'41"	26°≈07'17"	25°π56'18"	00°v3'17"	00°v3'03'58"	09°v23'22"	12°m.34'57"R _x	23°≈13'40"R _x	
1988-02-18	28°≈15'31"	28°≈12'32"	14°≈55'03"R _x	09°π35'04"	26°≈47'40"	26°π06'57"	00°v3'18'07"	00°v3'06'18"	09°v25'01"	12°m.34'52"R _x	23°≈10'58"R _x	
1988-02-19	13°≈26'46"	29°≈13'07"	14°≈13'51"R _x	10°π45'19"	27°≈28'04"	26°π17'42"	00°v22'53"	00°v3'08'36"	09°v26'40"	12°m.34'44"R _x	23°≈09'29"R _x	
1988-02-20	28°≈24'17"	00°≈13'39"	13°≈40'11"R _x	11°π55'26"	28°≈08'28"	26°π28'34"	00°v27'34"	00°v3'10'51"	09°v28'16"	12°m.34'34"R _x	23°≈09'17"	
1988-02-21	13°π00'42"	01°≈14'10"	13°≈14'10"R _x	13°π05'25"	28°≈48'52"	26°π39'32"	00°v32'11"	00°v3'13'04"	09°v29'51"	12°m.34'22"R _x	23°≈10'07"	
1988-02-22	27°π11'30"	02°≈14'39"	12°≈55'45"R _x	14°π15'15"	29°≈29'17"	26°π50'37"	00°v36'44"	00°v3'15'14"	09°v31'25"	12°m.34'07"R _x	23°≈11'37"	
1988-02-23	10°≈55'07"	03°≈15'07"	12°≈44'44"R _x	15°π24'57"	00°v09'41"	27°π01'47"	00°v41'12"	00°v3'17'21"	09°v32'57"	12°m.33'51"R _x	23°≈13'17"	
1988-02-24	24°≈12'24"	04°≈15'32"	12°≈40'51"R _x	16°π34'30"	00°v50'06"	27°π13'04"	00°v45'35"	00°v3'19'26"	09°v34'28"	12°m.33'32"R _x	23°≈14'39"	
1988-02-25	07°π05'52"	05°≈15'56"	12°≈43'46"	17°π43'54"	01°v30'32"	27°π24'26"	00°v49'55"	00°v2'21'28"	09°v35'57"	12°m.33'12"R _x	23°≈15'20"	
1988-02-26	19°π39'03"	06°≈16'17"	12°≈53'07"	18°π53'08"	02°v3'10'58"	27°π35'54"	00°v54'09"	00°v2'23'27"	09°v37'24"	12°m.32'49"R _x	23°≈15'08"R _x	
1988-02-27	01°≈55'55"	07°≈16'37"	13°≈08'31"	20°π02'13"	02°v5'12'24"	27°π47'27"	00°v58'19"	00°v2'25'24"	09°v38'50"	12°m.32'25"R _x	23°≈14'03"R _x	
1988-02-28	14°≈00'31"	08°≈16'55"	13°≈29'34"	21°π11'08"	03°v33'51"	27°π59'06"	01°v02'24"	00°v2'27'18"	09°v40'15"	12°m.31'58"R _x	23°≈12'17"R _x	
1988-02-29	25°≈56'38"	09°≈17'11"	13°≈55'53"	22°π19'52"	04°v3'12'17"	28°π10'50"	01°v06'24"	00°v2'29'09"	09°v41'37"	12°m.31'29"R _x	23°≈10'07"R _x	
1988-03-01	07°≈47'38"	10°≈17'24"	14°≈27'08"	23°π28'25"	04°v52'45"	28°π22'39"	01°v10'19"	00°v3'30'58"	09°v42'58"	12°m.30'59"R _x	23°≈07'55"R _x	
1988-03-02	19°≈36'27"	11°≈17'36"	15°≈02'56"	24°π36'48"	05°v33'12"	28°π34'33"	01°v14'09"	00°v3'32'43"	09°v44'17"	12°m.30'26"R _x	23°≈06'02"R _x	
1988-03-03	01°π25'35"	12°≈17'46"	15°≈42'58"	25°π45'00"	06°v3'13'40"	28°π46'33"	01°v17'55"	00°v3'34'26"	09°v45'35"	12°m.29'51"R _x	23°≈04'43"R _x	
1988-03-04	13°π17'15"	13°≈17'54"	16°≈26'57"	26°π53'01"	06°v54'09"	28°π58'37"	01°v21'35"	00°v3'36'06"	09°v46'51"	12°m.29'14"R _x	23°≈04'05"R _x	
1988-03-05	25°π13'31"	14°≈18'00"	17°≈14'35"	28°π00'50"	07°v34'38"	29°π10'46"	01°v25'10"	00°v3'37'43"	09°v48'05"	12°m.28'36"R _x	23°≈04'05"	
1988-03-06	07°≈16'22"	15°≈18'05"	18°≈05'38"	29°π08'27"	08°v15'07"	29°π23'00"	01°v28'41"	00°v3'39'17"	09°v49'17"	12°m.27'55"R _x	23°≈04'34"	
1988-03-07	19°≈27'52"	16°≈18'07"	18°≈59'51"	00°≈15'52"	08°v55'36"	29°π35'18"	01°v32'06"	00°v3'40'49"	09°v50'27"	12°m.27'13"R _x	23°≈05'19"	
1988-03-08	01°m.50'15"	17°≈18'08"	19°≈57'02"	01°≈23'05"	09°v36'06"	29°π47'41"	01°v35'26"	00°v3'42'17"	09°v51'36"	12°m.26'28"R _x	23°≈06'05"	
1988-03-09	14°m.25'54"	18°≈18'08"	20°≈56'59"	02°≈30'05"	10°v3'16'37"	00°≈00'08"	01°v38'41"	00°v3'43'42"	09°v52'43"	12°m.25'42"R _x	23°≈06'40"	
1988-03-10	27°m.17'23"	19°≈18'06"	21°≈59'33"	03°≈36'53"	10°v57'08"	00°≈12'40"	01°v41'50"	00°v3'45'05"	09°v53'48"	12°m.24'54"R _x	23°≈06'57"	
1988-03-11	10°≈27'13"	20°≈18'02"	23°≈04'33"	04°≈43'27"	11°v37'39"	00°≈25'17"	01°v44'55"	00°v3'46'25"	09°v54'52"	12°m.24'04"R _x	23°≈06'54"R _x	
1988-03-12	23°≈57'34"	21°≈17'56"	24°≈11'51"	05°≈49'48"	12°v3'18'10"	00°≈37'57"	01°v47'54"	00°v3'47'41"	09°v55'54"	12°m.23'13"R _x	23°≈06'35"R _x	
1988-03-13	07°v49'47"	22°≈17'49"	25°≈21'20"	06°≈55'56"	12°v58'42"	00°≈50'42"	01°v50'47"	00°v3'48'55"	09°v56'53"	12°m.22'19"R _x	23°≈06'07"R _x	
1988-03-14	22°v03'49"	23°≈17'40"	26°≈32'53"	08°≈01'49"	13°v39'13"	01°≈03'30"	01°v53'36"	00°v3'50'06"	09°v57'51"	12°m.21'24"R _x	23°≈05'39"R _x	
1988-03-15	06°≈37'42"	24°≈17'30"	27°≈46'24"	09°≈07'29"	14°v3'19'45"	01°≈16'23"	01°v56'18"	00°v3'51'13"	09°v58'47"	12°m.20'27"R _x	23°≈05'18"R _x	
1988-03-16	21°≈27'17"	25°≈17'18"	29°≈01'47"	10°≈12'53"	15°v3'00'16"	01°≈29'19"	01°v58'55"	00°v3'52'18"	09°v59'41"	12°m.19'29"R _x	23°≈05'06"R _x	
1988-03-17	06°≈26'12"	26°≈17'04"	00°≈18'58"	11°≈18'02"	15°v40'48"	01°≈42'19"	02°v3'01'27"	00°v3'53'19"	10°v00'34"	12°m.18'28"R _x	23°≈05'04"	
1988-03-18	21°≈26'35"	27°≈16'48"	01°≈37'52"	12°≈22'56"	16°v2'11'19"	01°≈55'22"	02°v3'03'53"	00°v3'54'17"	10°v01'24"	12°m.17'26"R _x	23°≈05'06"	
1988-03-19	06°π19'57"	28°≈16'30"	02°≈58'26"	13°≈27'34"	17°v3'01'49"	02°≈08'29"	02°v3'06'13"	00°v3'55'12"	10°v02'12"	12°m.16'22"R _x	23°≈05'05"R _x	
1988-03-20	20°π58'24"	29°≈16'10"	04°≈20'37"	14°≈31'55"	17°v42'20"	02°≈21'40"	02°v3'08'27"	00°v3'56'04"	10°v02'58"	12°m.15'17"R _x	23°≈04'57"R _x	
1988-03-21	05°≈15'46"	00°π15'47"	05°≈44'22"	15°≈35'59"	18°v2'22'50"	02°≈34'54"	02°v3'10'36"	00°v3'56'53"	10°v03'43"	12°m.14'10"R _x	23°≈04'36"R _x	
1988-03-22	19°≈08'09"	01°π15'23"	07°≈09'38"	16°≈39'45"	19°v3'03'20"	02°≈48'11"	02°v3'12'39"	00°v3'57'39"	10°v04'25"	12°m.13'01"R _x	23°≈04'06"R _x	
1988-03-23	02°π34'13"	02°π14'57"	08°≈36'24"	17°≈43'13"	19°v43'49"	03°≈01'31"	02°v3'14'37"	00°v3'58'21"	10°v05'06"	12°m.11'51"R _x	23°≈03'30"R _x	
1988-03-24	15°π34'49"	03°π14'28"	10°≈04'37"	18°≈46'23"	20°v24'18"	03°≈14'55"	02°v3'16'28"	00°v3'59'01"	10°v05'44"	12°m.10'40"R _x	23°≈03'00"R _x	
1988-03-25	28°π12'36"	04°π13'57"	11°≈34'17"	19°≈49'13"	21°v3'04'47"	03°≈28'21"	02°v3'18'14"	00°v3'59'37"	10°v06'21"	12°m.09'27"R _x	23°≈02'47"R _x	
1988-03-26	10°≈31'21"	05°π13'24"	13°≈05'22"	20°≈51'43"	21°v45'15"	03°≈41'50"	02°v3'19'54"	01°v3'00'11"	10°v06'55"	12°m.08'13"R _x	23°≈02'58"	
1988-03-27	22°≈35'34"	06°π12'48"	14°≈37'52"	21°≈53'52"	22°v25'43"	03°≈55'22"	02°v3'21'28"	01°v3'00'41"	10°v07'28"	12°m.06'57"R _x	23°≈03'40"	
1988-03-28	04°≈29'56"	07°π12'10"	16°≈11'45"	22°≈55'40"	23°v3'06'10"	04°≈08'57"	02°v3'22'57"	01°v3'01'08"	10°v07'59"	12°m.05'41"R _x	23°≈04'50"	
1988-03-29	16°≈19'03"	08°π11'30"	17°≈47'02"	23°≈57'05"	23°v46'37"	04°≈22'34"	02°v3'24'19"	01°v3'01'32"	10°v08'27"	12°m.04'22"R _x	23°≈06'17"	
1988-03-30	28°≈07'08"	09°π10'47"	19°≈23'43"	24°≈58'08"	24°v27'04"	04°≈36'13"	02°v3'25'36"	01°v3'01'52"	10°v08'54"	12°m.03'02"R _x	23°≈07'45"	
1988-03-31	09°π57'57"	10°π10'03"	21°≈01'47"	25°≈58'47"	25°v3'07'30"	04°≈49'55"	02°v3'26'46"	01°v3'02'10"	10°v09'19"	12°m.01'42"R _x	23°≈08'52"	
1988-04-01	21°π54'40"	11°π09'16"	22°≈41'15"	26°≈59'02"	25°v47'56"	05°≈03'39"	02°v3'27'51"	01°v3'02'24"	10°v09'41"	12°m.00'19"R _x	23°≈09'19"R _x	
1988-04-02	03°≈59'53"	12°π08'27"	24°≈22'07"	27°≈58'53"	26°v28'21"	05°≈17'26"	02°v3'28'50"	01°v3'02'35"	10°v10'02"	11°m.58'56"R _x	23°≈08'49"R _x	
1988-04-03	16°≈15'37"	13°π07'35"	26°≈04'24"	28°≈58'17"	27°v3'08'46"	05°≈31'14"	02°v3'29'43"	01°v3'02'43"	10°v10'20"	11°m.57'31"R _x	23°≈07'15"R _x	
1988-04-04	28°≈43'16"	14°π06'42"	27°≈48'06"	29°≈57'15"	27°v3'49'10"	05°≈45'05"	02°v3'30'30"	01°v3'02'49"	10°v10'37"	11°m.56'06"R _x	23°≈04'41"R _x	
1988-04-05	11°m.23'45"	15°π05'47"	29°≈33'13"	00°π55'46"	28°v29'34"	05°≈58'58"	02°v3'31'11"	01°v3'02'50"	10°v10'52"	11°m.54'39"R _x	23°≈01'22"R _x	
1988-04-06	24°m.17'36"	16°π04'50"	01°π19'47"	01°π53'49"	29°v3'09'58"	06°≈12'53"	02°v3'31'46"	01°v3'02'49"R _x	10°v11'04"	11°m.53'12"R _x	22°≈57'42"R _x	
1988-04-07	07°≈25'11"	17°π03'51"	03°π07'48"	02°π51'23"	29°v3'50'21"	06°≈26'50"	02°v3'32'15"	01°v3'02'45"R _x	10°v11'15"	11°m.51'43"R _x	22°≈54'11"R _x	
1988-04-08	20°≈46'42"	18°π02'51"	04°π57'17"	03°π48'27"	00°≈30'43"	06°≈40'49"	02°v3'32'39"	01°v3'02'38"R _x	10°v11'24"	11°m.50'13"R _x	22°≈51'15"R _x	

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1988-04-09	04°vs22'20"	19°T01'48"	06°T48'14"	04°II45'00"	01°≈11'05"	06°δ54'49"	02°vs32'56"	01°vs02'28"R _x	10°vs11'31"	11°m.48'43"R _x	22°x49'17"R _x	
1988-04-10	18°vs12'02"	20°T00'44"	08°T40'40"	05°II41'02"	01°≈51'25"	07°δ08'51"	02°vs33'08"	01°vs02'15"R _x	10°vs11'36"	11°m.47'11"R _x	22°x48'23"R _x	
1988-04-11	02°≈15'24"	20°T59'38"	10°T34'35"	06°II36'31"	02°≈31'45"	07°δ22'55"	02°vs33'13"	01°vs01'58"R _x	10°vs11'39"	11°m.45'39"R _x	22°x48'31"	
1988-04-12	16°≈31'21"	21°T58'31"	12°T29'57"	07°II31'27"	03°≈12'04"	07°δ37'01"	02°vs33'13"R _x	01°vs01'39"R _x	10°vs11'39"R _x	11°m.44'06"R _x	22°x49'20"	
1988-04-13	00°x57'50"	22°T57'22"	14°T26'48"	08°II25'47"	03°≈52'21"	07°δ51'07"	02°vs33'06"R _x	01°vs01'16"R _x	10°vs11'38"R _x	11°m.42'32"R _x	22°x50'20"	
1988-04-14	15°x31'35"	23°T56'11"	16°T25'05"	09°II19'32"	04°≈32'37"	08°δ05'15"	02°vs32'54"R _x	01°vs00'50"R _x	10°vs11'35"R _x	11°m.40'57"R _x	22°x50'57"	
1988-04-15	00°T07'59"	24°T54'58"	18°T24'47"	10°II12'39"	05°≈12'52"	08°δ19'25"	02°vs32'35"R _x	01°vs00'21"R _x	10°vs11'29"R _x	11°m.39'21"R _x	22°x50'38"R _x	
1988-04-16	14°T41'23"	25°T53'43"	20°T25'52"	11°II05'08"	05°≈53'05"	08°δ33'36"	02°vs32'11"R _x	00°vs59'49"R _x	10°vs11'22"R _x	11°m.37'45"R _x	22°x49'00"R _x	
1988-04-17	29°T05'35"	26°T52'26"	22°T28'16"	11°II56'57"	06°≈33'17"	08°δ47'47"	02°vs31'41"R _x	00°vs59'15"R _x	10°vs11'13"R _x	11°m.36'08"R _x	22°x45'54"R _x	
1988-04-18	13°δ14'45"	27°T51'08"	24°T31'54"	12°II48'04"	07°≈13'27"	09°δ02'00"	02°vs31'04"R _x	00°vs58'37"R _x	10°vs11'02"R _x	11°m.34'30"R _x	22°x41'29"R _x	
1988-04-19	27°δ04'10"	28°T49'47"	26°T36'42"	13°II38'28"	07°≈53'35"	09°δ16'14"	02°vs30'22"R _x	00°vs57'56"R _x	10°vs10'49"R _x	11°m.32'52"R _x	22°x36'10"R _x	
1988-04-20	10°II30'58"	29°T48'25"	28°T42'31"	14°II28'07"	08°≈33'41"	09°δ30'29"	02°vs29'35"R _x	00°vs57'13"R _x	10°vs10'34"R _x	11°m.31'14"R _x	22°x30'35"R _x	
1988-04-21	23°II34'16"	00°δ47'00"	00°δ49'13"	15°II16'59"	09°≈13'46"	09°δ44'45"	02°vs28'41"R _x	00°vs56'26"R _x	10°vs10'17"R _x	11°m.29'35"R _x	22°x25'26"R _x	
1988-04-22	06°δ15'14"	01°δ45'33"	02°δ56'38"	16°II05'03"	09°≈53'49"	09°δ59'01"	02°vs27'42"R _x	00°vs55'37"R _x	10°vs09'58"R _x	11°m.27'56"R _x	22°x21'23"R _x	
1988-04-23	18°δ36'38"	02°δ44'04"	05°δ04'35"	16°II52'17"	10°≈33'50"	10°δ13'18"	02°vs26'37"R _x	00°vs54'45"R _x	10°vs09'37"R _x	11°m.26'16"R _x	22°x18'51"R _x	
1988-04-24	00°δ42'30"	03°δ42'33"	07°δ12'50"	17°II38'37"	11°≈13'49"	10°δ27'36"	02°vs25'26"R _x	00°vs53'50"R _x	10°vs09'15"R _x	11°m.24'36"R _x	22°x18'00"R _x	
1988-04-25	12°δ37'36"	04°δ41'00"	09°δ21'08"	18°II24'04"	11°≈53'45"	10°δ41'54"	02°vs24'10"R _x	00°vs52'52"R _x	10°vs08'50"R _x	11°m.22'55"R _x	22°x18'37"	
1988-04-26	24°δ27'04"	05°δ39'25"	11°δ29'12"	19°II08'33"	12°≈33'40"	10°δ56'12"	02°vs22'48"R _x	00°vs51'52"R _x	10°vs08'24"R _x	11°m.21'14"R _x	22°x20'11"	
1988-04-27	06°T16'02"	06°δ37'47"	13°δ36'46"	19°II52'04"	13°≈13'33"	11°δ10'31"	02°vs21'20"R _x	00°vs50'48"R _x	10°vs07'56"R _x	11°m.19'33"R _x	22°x21'54"	
1988-04-28	18°T09'19"	07°δ36'07"	15°δ43'31"	20°II34'34"	13°≈53'23"	11°δ24'50"	02°vs19'47"R _x	00°vs49'42"R _x	10°vs07'25"R _x	11°m.17'52"R _x	22°x22'55"	
1988-04-29	00°δ11'13"	08°δ34'26"	17°δ49'10"	21°II15'59"	14°≈33'12"	11°δ39'09"	02°vs18'08"R _x	00°vs48'34"R _x	10°vs06'53"R _x	11°m.16'11"R _x	22°x22'27"R _x	
1988-04-30	12°δ25'18"	09°δ32'42"	19°δ53'22"	21°II56'19"	15°≈12'58"	11°δ53'28"	02°vs16'24"R _x	00°vs47'22"R _x	10°vs06'20"R _x	11°m.14'29"R _x	22°x19'54"R _x	
1988-05-01	24°δ54'11"	10°δ30'56"	21°δ55'51"	22°II35'31"	15°≈52'42"	12°δ07'48"	02°vs14'35"R _x	00°vs46'08"R _x	10°vs05'44"R _x	11°m.12'48"R _x	22°x15'06"R _x	
1988-05-02	07°m.39'21"	11°δ29'09"	23°δ56'19"	23°II13'31"	16°≈32'24"	12°δ22'07"	02°vs12'40"R _x	00°vs44'52"R _x	10°vs05'07"R _x	11°m.11'06"R _x	22°x08'13"R _x	
1988-05-03	20°m.41'05"	12°δ27'20"	25°δ54'29"	23°II50'17"	17°≈12'03"	12°δ36'27"	02°vs10'40"R _x	00°vs43'33"R _x	10°vs04'28"R _x	11°m.09'25"R _x	21°x59'50"R _x	
1988-05-04	03°x58'30"	13°δ25'29"	27°δ50'08"	24°II25'47"	17°≈51'40"	12°δ50'46"	02°vs08'35"R _x	00°vs42'11"R _x	10°vs03'47"R _x	11°m.07'43"R _x	21°x50'49"R _x	
1988-05-05	17°x29'46"	14°δ23'37"	29°δ43'01"	24°II59'57"	18°≈31'15"	13°δ05'05"	02°vs06'25"R _x	00°vs40'47"R _x	10°vs03'04"R _x	11°m.06'02"R _x	21°x42'08"R _x	
1988-05-06	01°vs12'35"	15°δ21'43"	01°II32'57"	25°II32'45"	19°≈10'46"	13°δ19'24"	02°vs04'10"R _x	00°vs39'21"R _x	10°vs02'20"R _x	11°m.04'21"R _x	21°x34'41"R _x	
1988-05-07	15°vs04'31"	16°δ19'48"	03°II19'46"	26°II04'08"	19°≈50'15"	13°δ33'43"	02°vs01'49"R _x	00°vs37'52"R _x	10°vs01'35"R _x	11°m.02'40"R _x	21°x29'07"R _x	
1988-05-08	29°vs03'25"	17°δ17'51"	05°II03'19"	26°II34'02"	20°≈29'41"	13°δ48'02"	01°vs59'24"R _x	00°vs36'21"R _x	10°vs00'47"R _x	11°m.00'59"R _x	21°x25'43"R _x	
1988-05-09	13°≈07'31"	18°δ15'53"	06°II43'29"	27°II02'25"	21°≈09'04"	14°δ02'20"	01°vs56'54"R _x	00°vs34'47"R _x	09°vs59'58"R _x	10°m.59'18"R _x	21°x24'17"R _x	
1988-05-10	27°≈15'26"	19°δ13'54"	08°II20'09"	27°II29'13"	21°≈48'24"	14°δ16'37"	01°vs54'19"R _x	00°vs33'11"R _x	09°vs59'07"R _x	10°m.57'38"R _x	21°x24'16"	
1988-05-11	11°x25'56"	20°δ11'53"	09°II53'14"	27°II54'23"	22°≈27'40"	14°δ30'54"	01°vs51'39"R _x	00°vs31'33"R _x	09°vs58'14"R _x	10°m.55'58"R _x	21°x24'44"	
1988-05-12	25°x37'35"	21°δ09'51"	11°II22'39"	28°II17'51"	23°≈06'52"	14°δ45'11"	01°vs48'54"R _x	00°vs29'53"R _x	09°vs57'20"R _x	10°m.54'18"R _x	21°x24'41"R _x	
1988-05-13	09°T48'25"	22°δ07'47"	12°II48'20"	28°II39'34"	23°≈46'00"	14°δ59'26"	01°vs46'05"R _x	00°vs28'10"R _x	09°vs56'24"R _x	10°m.52'38"R _x	21°x23'07"R _x	
1988-05-14	23°T55'39"	23°δ05'43"	14°II10'14"	28°II59'29"	24°≈25'04"	15°δ13'41"	01°vs43'11"R _x	00°vs26'25"R _x	09°vs55'27"R _x	10°m.50'59"R _x	21°x19'22"R _x	
1988-05-15	07°δ55'46"	24°δ03'37"	15°II28'17"	29°II17'31"	25°≈04'04"	15°δ27'55"	01°vs40'12"R _x	00°vs24'38"R _x	09°vs54'28"R _x	10°m.49'21"R _x	21°x13'08"R _x	
1988-05-16	21°δ44'51"	25°δ01'29"	16°II42'25"	29°II33'38"	25°≈43'00"	15°δ42'09"	01°vs37'10"R _x	00°vs22'49"R _x	09°vs53'28"R _x	10°m.47'43"R _x	21°x04'36"R _x	
1988-05-17	05°II19'07"	25°δ59'21"	17°II52'36"	29°II47'45"	26°≈21'51"	15°δ56'21"	01°vs34'03"R _x	00°vs20'58"R _x	09°vs52'26"R _x	10°m.46'06"R _x	20°x54'25"R _x	
1988-05-18	18°II35'39"	26°δ57'11"	18°II58'45"	29°II59'48"	27°≈00'38"	16°δ10'32"	01°vs30'51"R _x	00°vs19'06"R _x	09°vs51'23"R _x	10°m.44'29"R _x	20°x43'32"R _x	
1988-05-19	01°δ32'51"	27°δ54'59"	20°II00'48"	00°δ09'44"	27°≈39'20"	16°δ24'42"	01°vs27'36"R _x	00°vs17'11"R _x	09°vs50'18"R _x	10°m.42'53"R _x	20°x33'04"R _x	
1988-05-20	14°δ10'47"	28°δ52'46"	20°II58'43"	00°δ17'30"	28°≈17'56"	16°δ38'51"	01°vs24'17"R _x	00°vs15'14"R _x	09°vs49'12"R _x	10°m.41'18"R _x	20°x24'03"R _x	
1988-05-21	26°δ31'01"	29°δ50'31"	21°II52'24"	00°δ23'03"	28°≈56'28"	16°δ52'59"	01°vs20'54"R _x	00°vs13'16"R _x	09°vs48'05"R _x	10°m.39'43"R _x	20°x17'16"R _x	
1988-05-22	08°δ36'38"	00°II48'14"	22°II41'49"	00°δ26'18"	29°≈34'55"	17°δ07'05"	01°vs17'27"R _x	00°vs11'16"R _x	09°vs46'56"R _x	10°m.38'09"R _x	20°x13'01"R _x	
1988-05-23	20°δ31'44"	01°II45'56"	23°II26'52"	00°δ27'13"R _x	00°x13'16"	17°δ21'09"	01°vs13'57"R _x	00°vs09'14"R _x	09°vs45'46"R _x	10°m.36'36"R _x	20°x11'09"R _x	
1988-05-24	02°T21'16"	02°II43'37"	24°II07'29"	00°δ25'47"R _x	00°x51'32"	17°δ35'12"	01°vs10'22"R _x	00°vs07'10"R _x	09°vs44'34"R _x	10°m.35'03"R _x	20°x10'59"	
1988-05-25	14°T10'35"	03°II41'15"	24°II43'37"	00°δ21'56"R _x	01°x29'42"	17°δ49'14"	01°vs06'45"R _x	00°vs05'05"R _x	09°vs43'21"R _x	10°m.33'32"R _x	20°x11'32"	
1988-05-26	26°T05'07"	04°II38'53"	25°II15'12"	00°δ15'40"R _x	02°x07'47"	18°δ03'13"	01°vs03'04"R _x	00°vs02'58"R _x	09°vs42'07"R _x	10°m.32'01"R _x	20°x11'38"R _x	
1988-05-27	08°δ10'02"	05°II36'28"	25°II42'10"	00°δ06'58"R _x	02°x45'46"	18°δ17'11"	00°vs59'19"R _x	00°vs00'50"R _x	09°vs40'52"R _x	10°m.30'31"R _x	20°x10'10"R _x	
1988-05-28	20°δ29'53"	06°II34'03"	26°II04'29"	29°II55'49"R _x	03°x23'39"	18°δ31'07"	00°vs55'32"R _x	29°x58'41"R _x	09°vs39'35"R _x	10°m.29'02"R _x	20°x06'18"R _x	
1988-05-29	03°m.08'16"	07°II31'36"	26°II22'06"	29°II42'15"R _x	04°x01'26"	18°δ45'02"	00°vs51'42"R _x	29°x56'30"R _x	09°vs38'18"R _x	10°m.27'35"R _x	19°x59'42"R _x	
1988-05-30	16°m.07'25"	08°II29'08"	26°II35'01"	29°II26'16"R _x	04°x39'07"	18°δ58'54"	00°vs47'48"R _x	29°x54'17"R _x	09°vs36'59"R _x	10°m.26'08"R _x	19°x50'29"R _x	
1988-05-31	29°m.27'49"	09°II26'38"	26°II43'15"	29°II07'55"R _x	05°x16'42"	19°δ12'45"	00°vs43'52"R _x	29°x52'04"R _x	09°vs35'40"R _x	10°m.24'42"R _x	19°x39'19"R _x	

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1988-06-01	13°↗08'02"	10°↖24'08"	26°↖46'50"	28°↖47'16"R	05°↖54'10"	19°↖26'33"	00°↖39'54"R	29°↗49'49"R	09°↖34'19"R	10°↖23'18"R	19°↗27'14"R	
1988-06-02	27°↗04'50"	11°↖21'37"	26°↖45'50"R	28°↖24'23"R	06°↗31'32"	19°↖40'20"	00°↖35'53"R	29°↗47'34"R	09°↖32'57"R	10°↖21'55"R	19°↗15'24"R	
1988-06-03	11°↖13'41"	12°↖19'04"	26°↖40'23"R	27°↖59'21"R	07°↗08'47"	19°↖54'04"	00°↖31'49"R	29°↗45'17"R	09°↖31'35"R	10°↖20'32"R	19°↗05'00"R	
1988-06-04	25°↖29'29"	13°↖16'31"	26°↖30'36"R	27°↖32'18"R	07°↗45'55"	20°↖07'47"	00°↖27'43"R	29°↗42'59"R	09°↖30'11"R	10°↖19'11"R	18°↗56'53"R	
1988-06-05	09°↗47'28"	14°↖13'57"	26°↖16'43"R	27°↖03'21"R	08°↗22'56"	20°↖21'26"	00°↖23'35"R	29°↗40'40"R	09°↖28'46"R	10°↖17'52"R	18°↗51'27"R	
1988-06-06	24°↗03'46"	15°↖11'22"	25°↖58'58"R	26°↖32'40"R	08°↗59'49"	20°↖35'04"	00°↖19'25"R	29°↗38'20"R	09°↖27'21"R	10°↖16'33"R	18°↗48'34"R	
1988-06-07	08°↗15'43"	16°↖08'47"	25°↖37'39"R	26°↖00'23"R	09°↗36'34"	20°↖48'39"	00°↖15'13"R	29°↗35'59"R	09°↖25'54"R	10°↖15'15"R	18°↗47'35"R	
1988-06-08	22°↗21'48"	17°↖06'11"	25°↖13'08"R	25°↖26'43"R	10°↗13'11"	21°↖02'11"	00°↖10'58"R	29°↗33'37"R	09°↖24'26"R	10°↖13'59"R	18°↗47'30"R	
1988-06-09	06°↗21'14"	18°↖03'34"	24°↖45'49"R	24°↖51'50"R	10°↗49'39"	21°↖15'41"	00°↖06'42"R	29°↗31'15"R	09°↖22'58"R	10°↖12'44"R	18°↗47'05"R	
1988-06-10	20°↗13'30"	19°↖00'57"	24°↖16'10"R	24°↖15'58"R	11°↗25'58"	21°↖29'08"	00°↖02'25"R	29°↗28'52"R	09°↖21'29"R	10°↖11'31"R	18°↗45'10"R	
1988-06-11	03°↗57'55"	19°↖58'19"	23°↖44'40"R	23°↖39'20"R	12°↗02'08"	21°↖42'33"	29°↗58'06"R	29°↗26'28"R	09°↖19'59"R	10°↖10'19"R	18°↗40'52"R	
1988-06-12	17°↖33'23"	20°↖55'41"	23°↖11'51"R	23°↖02'10"R	12°↗38'08"	21°↖55'55"	29°↗53'45"R	29°↗24'03"R	09°↖18'29"R	10°↖09'08"R	18°↗33'47"R	
1988-06-13	00°↖58'19"	21°↖53'03"	22°↖38'17"R	22°↖24'41"R	13°↗13'59"	22°↖09'14"	29°↗49'24"R	29°↗21'38"R	09°↖16'58"R	10°↖07'59"R	18°↗24'00"R	
1988-06-14	14°↖10'55"	22°↖50'24"	22°↖04'32"R	21°↖47'07"R	13°↗49'39"	22°↖22'30"	29°↗45'01"R	29°↗19'13"R	09°↖15'26"R	10°↖06'51"R	18°↗19'21"R	
1988-06-15	27°↖09'29"	23°↖47'44"	21°↖31'10"R	21°↖09'44"R	14°↗25'09"	22°↖35'43"	29°↗40'38"R	29°↗16'47"R	09°↖13'54"R	10°↖05'45"R	17°↗35'12"R	
1988-06-16	09°↖52'57"	24°↖45'04"	20°↖58'46"R	20°↖32'45"R	15°↗00'28"	22°↖48'53"	29°↗36'14"R	29°↗14'21"R	09°↖12'21"R	10°↖04'40"R	17°↗46'45"R	
1988-06-17	22°↖21'09"	25°↖42'22"	20°↖27'52"R	19°↖56'24"R	15°↗35'36"	23°↖01'59"	29°↗31'49"R	29°↗11'55"R	09°↖10'47"R	10°↖03'37"R	17°↗35'34"R	
1988-06-18	04°↖35'03"	26°↖39'41"	19°↖59'01"R	19°↖20'54"R	16°↗10'33"	23°↖15'02"	29°↗27'23"R	29°↗09'28"R	09°↖09'13"R	10°↖02'36"R	17°↗26'46"R	
1988-06-19	16°↖36'50"	27°↖36'58"	19°↖32'42"R	18°↖46'28"R	16°↗45'18"	23°↖28'02"	29°↗22'57"R	29°↗07'01"R	09°↖07'39"R	10°↖01'36"R	17°↗20'48"R	
1988-06-20	28°↖29'43"	28°↖34'15"	19°↖09'21"R	18°↖13'18"R	17°↗19'51"	23°↖40'58"	29°↗18'31"R	29°↗04'34"R	09°↖06'04"R	10°↖00'38"R	17°↗16'38"R	
1988-06-21	10°↗17'55"	29°↖31'31"	18°↖49'21"R	17°↖41'36"R	17°↗54'13"	23°↖53'51"	29°↗14'05"R	29°↗02'07"R	09°↖04'28"R	09°↖05'41"R	17°↗17'43"R	
1988-06-22	22°↖06'21"	00°↖28'46"	18°↖33'05"R	17°↖11'31"R	18°↗28'21"	24°↖06'40"	29°↗09'39"R	28°↗59'40"R	09°↖02'53"R	09°↖05'84"R	17°↗17'04"	
1988-06-23	04°↖00'22"	01°↖26'00"	18°↖20'49"R	16°↖43'13"R	19°↗02'17"	24°↖19'25"	29°↗05'13"R	28°↗57'14"R	09°↖01'16"R	09°↖05'52"R	17°↗17'29"	
1988-06-24	16°↖05'25"	02°↖23'14"	18°↖12'49"R	16°↖16'51"R	19°↗36'01"	24°↖32'07"	29°↗00'47"R	28°↗54'47"R	08°↖59'40"R	09°↖05'01"R	17°↗16'49"R	
1988-06-25	28°↖26'43"	03°↖20'28"	18°↖09'15"R	15°↖52'30"R	20°↗09'31"	24°↖44'44"	28°↗56'22"R	28°↗52'20"R	08°↖58'03"R	09°↖05'11"R	17°↗14'09"R	
1988-06-26	11°↖08'44"	04°↖17'40"	18°↖10'17"	15°↖30'18"R	20°↗42'47"	24°↖57'18"	28°↗51'58"R	28°↗49'54"R	08°↖56'27"R	09°↖05'23"R	17°↗08'58"R	
1988-06-27	24°↖14'44"	05°↖14'53"	18°↖16'02"	15°↖10'20"R	21°↗15'50"	25°↖09'48"	28°↗47'34"R	28°↗47'29"R	08°↖54'50"R	09°↖05'36"R	17°↗01'19"R	
1988-06-28	07°↖46'09"	06°↖12'05"	18°↖26'35"	14°↖52'39"R	21°↗48'39"	25°↖22'13"	28°↗43'11"R	28°↗45'03"R	08°↖53'13"R	09°↖05'52"R	17°↗05'14"R	
1988-06-29	21°↗42'03"	07°↖09'16"	18°↖41'57"	14°↖37'19"R	22°↗21'13"	25°↖34'35"	28°↗38'50"R	28°↗42'38"R	08°↖51'36"R	09°↖05'09"R	16°↗41'00"R	
1988-06-30	05°↖59'02"	08°↖06'28"	19°↖02'10"	14°↖24'21"R	22°↗53'33"	25°↖46'53"	28°↗34'29"R	28°↗40'14"R	08°↖49'59"R	09°↖05'28"R	16°↗30'22"R	
1988-07-01	20°↖31'27"	09°↖03'39"	19°↖27'14"	14°↖13'47"R	23°↗25'37"	25°↖59'06"	28°↗30'10"R	28°↗37'51"R	08°↖48'22"R	09°↖05'14"R	16°↗20'52"R	
1988-07-02	05°↗12'13"	10°↖00'50"	19°↖57'08"	14°↖05'38"R	23°↗57'25"	26°↖11'14"	28°↗25'52"R	28°↗35'27"R	08°↖46'45"R	09°↖05'12"R	16°↗13'23"R	
1988-07-03	19°↗54'02"	10°↖58'01"	20°↖31'50"	13°↖59'54"R	24°↗28'58"	26°↖23'19"	28°↗21'35"R	28°↗33'05"R	08°↖45'08"R	09°↖05'03"R	16°↗08'52"R	
1988-07-04	04°↗30'27"	11°↖55'12"	21°↖11'17"	13°↖56'32"R	25°↗00'13"	26°↖35'19"	28°↗17'20"R	28°↗30'43"R	08°↖43'30"R	09°↖05'03"R	16°↗05'48"R	
1988-07-05	18°↗56'40"	12°↖52'23"	21°↖55'26"	13°↖55'33"	25°↗31'12"	26°↖47'14"	28°↗13'06"R	28°↗28'22"R	08°↖41'53"R	09°↖04'31"R	16°↗05'11"	
1988-07-06	03°↗09'47"	13°↖49'35"	22°↖44'15"	13°↖56'53"	26°↗01'52"	26°↖59'04"	28°↗08'54"R	28°↗26'02"R	08°↖40'16"R	09°↖04'01"R	16°↗05'38"	
1988-07-07	17°↗08'30"	14°↖46'47"	23°↖37'40"	14°↖00'31"R	26°↗32'14"	27°↖10'50"	28°↗04'45"R	28°↗23'42"R	08°↖38'39"R	09°↖04'33"R	16°↗06'06"	
1988-07-08	00°↖52'44"	15°↖43'59"	24°↖35'37"	14°↖06'23"	27°↗02'17"	27°↖22'30"	28°↗00'37"R	28°↗21'24"R	08°↖37'03"R	09°↖04'07"R	16°↗05'30"R	
1988-07-09	14°↖22'55"	16°↖41'12"	25°↖38'03"	14°↖14'27"	27°↗32'01"	27°↖34'06"	27°↗56'32"R	28°↗19'07"R	08°↖35'27"R	09°↖04'43"R	16°↗03'02"R	
1988-07-10	27°↖39'42"	17°↖38'25"	26°↖44'55"	14°↖24'38"	28°↗01'24"	27°↖45'37"	27°↗52'29"R	28°↗16'51"R	08°↖33'51"R	09°↖04'21"R	15°↖58'14"R	
1988-07-11	10°↖43'33"	18°↖35'38"	27°↖56'08"	14°↖36'54"	28°↗30'26"	27°↖57'03"	27°↗48'28"R	28°↗14'36"R	08°↖32'15"R	09°↖04'01"R	15°↖51'07"R	
1988-07-12	23°↖34'48"	19°↖32'52"	29°↖11'40"	14°↖51'11"	28°↗59'07"	28°↖08'23"	27°↗44'30"R	28°↗12'22"R	08°↖30'40"R	09°↖04'43"R	15°↖42'10"R	
1988-07-13	06°↖13'37"	20°↖30'07"	00°↖31'25"	15°↖07'25"	29°↗27'27"	28°↖19'38"	27°↗40'35"R	28°↗10'09"R	08°↖29'05"R	09°↖04'27"R	15°↖32'14"R	
1988-07-14	18°↖40'15"	21°↖27'22"	01°↖55'21"	15°↖25'31"	29°↗55'23"	28°↖30'48"	27°↗36'43"R	28°↗07'58"R	08°↖27'31"R	09°↖04'13"R	15°↖22'21"R	
1988-07-15	00°↖55'15"	22°↖24'36"	03°↖23'20"	15°↖45'28"	00°↖22'57"	28°↖41'52"	27°↗32'54"R	28°↗05'48"R	08°↖25'57"R	09°↖04'01"R	15°↖13'32"R	
1988-07-16	12°↖59'41"	23°↖21'52"	04°↖55'19"	16°↖07'10"	00°↖50'06"	28°↖52'50"	27°↗29'07"R	28°↗03'40"R	08°↖24'24"R	09°↖04'51"R	15°↖06'38"R	
1988-07-17	24°↖55'20"	24°↖19'07"	06°↖31'10"	16°↖30'34"	01°↖16'52"	29°↖03'43"	27°↗25'24"R	28°↗01'33"R	08°↖22'51"R	09°↖04'45"R	15°↖02'07"R	
1988-07-18	06°↗44'43"	25°↖16'23"	08°↖10'45"	16°↖55'37"	01°↖43'13"	29°↖14'29"	27°↗21'44"R	27°↗59'27"R	08°↖21'18"R	09°↖04'36"R	15°↖00'02"R	
1988-07-19	18°↗31'10"	26°↖13'39"	09°↖53'57"	17°↖22'15"	02°↖09'08"	29°↖25'10"	27°↗18'08"R	27°↗57'23"R	08°↖19'46"R	09°↖04'32"R	15°↖00'01"	
1988-07-20	00°↖18'43"	27°↖10'55"	11°↖40'33"	17°↖50'24"	02°↖34'38"	29°↖35'44"	27°↗14'35"R	27°↗55'21"R	08°↖18'15"R	09°↖04'30"R	15°↖01'19"	
1988-07-21	12°↖12'01"	28°↖08'11"	13°↖30'22"	18°↖20'03"	02°↖59'41"	29°↖46'12"	27°↗11'06"R	27°↗53'20"R	08°↖16'45"R	09°↖04'30"R	15°↖03'02"	
1988-07-22	24°↖16'05"	29°↖05'28"	15°↖23'10"	18°↖51'06"	03°↖24'17"	29°↖56'35"	27°↗07'40"R	27°↗51'21"R	08°↖15'15"R	09°↖04'32"R	15°↖04'14"	
1988-07-23	06°↖36'04"	00°↖02'45"	17°↖18'42"	19°↖23'32"	03°↖48'26"	00°↖06'50"	27°↗04'18"R	27°↗49'24"R	08°↖13'46"R	09°↖04'36"R	15°↖04'09"R	

Jan 01, 1980 00:00 AM CCT

Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♁ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1988-07-24	19°16'47"	01°00'02"	19°06'40"	19°05'17"	04°12'06"	00°11'00"R	27°01'00"R	27°47'29"R	08°12'18"R	09°04'45"R	15°02'20"R	
1988-07-25	02°22'15"	01°05'20"	21°06'48"	20°03'18"	04°35'18"	00°12'03"	26°57'47"R	27°45'36"R	08°10'51"R	09°04'55"R	14°58'42"R	
1988-07-26	15°25'01"	02°05'38"	23°08'44"	21°08'34"	04°58'00"	00°13'59"	26°54'37"R	27°43'44"R	08°09'25"R	09°04'01"R	14°53'33"R	
1988-07-27	29°25'24"	03°05'56"	25°02'10"	21°14'00"	05°20'13"	00°14'49"	26°51'32"R	27°41'55"R	08°07'59"R	09°04'14"R	14°47'29"R	
1988-07-28	14°21'06"	04°04'15"	27°02'45"	22°12'35"	05°41'55"	00°15'32"	26°48'31"R	27°40'08"R	08°06'35"R	09°04'29"R	14°41'16"R	
1988-07-29	29°06'57"	05°04'35"	29°03'10"	23°10'17"	06°03'06"	01°16'08"	26°45'34"R	27°38'23"R	08°05'11"R	09°04'45"R	14°35'40"R	
1988-07-30	14°05'29"	06°04'35"	01°03'05"	23°14'02"	06°23'44"	01°16'53"	26°42'41"R	27°36'39"R	08°03'49"R	09°04'70"R	14°31'19"R	
1988-07-31	29°07'56"	07°04'11"	03°04'13"	24°12'48"	06°43'49"	01°17'49"	26°39'53"R	27°34'58"R	08°02'27"R	09°04'72"R	14°28'35"R	
1988-08-01	14°05'34"	08°03'39"	05°05'17"	25°10'35"	07°03'21"	01°18'14"	26°37'10"R	27°33'19"R	08°01'06"R	09°04'74"R	14°27'30"R	
1988-08-02	28°05'03"	09°03'02"	07°05'02"	25°15'18"	07°22'18"	01°19'22"	26°34'31"R	27°31'42"R	07°59'46"R	09°04'81"R	14°27'48"	
1988-08-03	13°19'07"	10°03'32"	10°01'14"	26°13'57"	07°40'39"	01°20'22"	26°31'57"R	27°30'08"R	07°58'28"R	09°04'83"R	14°28'57"	
1988-08-04	27°26'51"	11°03'05"	12°05'42"	27°12'28"	07°58'23"	02°21'15"	26°29'27"R	27°28'35"R	07°57'10"R	09°04'90"R	14°30'17"	
1988-08-05	11°08'13"	12°02'18"	14°09'16"	28°10'51"	08°15'30"	02°22'00"	26°27'02"R	27°27'05"R	07°55'54"R	09°04'93"R	14°31'07"	
1988-08-06	24°03'24"	13°02'46"	16°11'48"	28°15'04"	08°31'59"	02°22'37"	26°24'43"R	27°25'38"R	07°54'39"R	09°05'01"R	14°30'58"R	
1988-08-07	07°14'24"	14°02'35"	18°13'09"	29°14'03"	08°47'48"	02°23'07"	26°22'28"R	27°24'12"R	07°53'25"R	09°05'04"R	14°30'31"R	
1988-08-08	20°13'25"	15°02'46"	20°13'16"	00°03'49"	09°02'57"	02°23'29"	26°20'19"R	27°22'50"R	07°52'13"R	09°05'12"R	14°26'45"R	
1988-08-09	03°11'36"	16°01'18"	22°12'03"	01°02'18"	09°17'25"	02°24'43"	26°18'14"R	27°21'29"R	07°51'02"R	09°05'20"R	14°22'57"R	
1988-08-10	15°03'42"	17°01'51"	24°09'28"	02°01'29"	09°31'11"	02°25'19"	26°16'15"R	27°20'12"R	07°49'52"R	09°05'24"R	14°18'34"R	
1988-08-11	27°45'37"	18°01'32"	26°05'28"	03°04'22"	09°44'14"	02°26'59"	26°14'21"R	27°18'57"R	07°48'43"R	09°05'33"R	14°14'11"R	
1988-08-12	09°04'18"	19°01'01"	28°00'00"	03°55'53"	09°56'33"	03°28'07"	26°12'32"R	27°17'44"R	07°47'36"R	09°05'41"R	14°10'21"R	
1988-08-13	21°04'29"	20°08'37"	29°05'05"	04°48'02"	10°08'09"	03°29'16"	26°10'49"R	27°16'34"R	07°46'30"R	09°05'45"R	14°09'73"R	
1988-08-14	03°03'29"	21°06'15"	01°04'42"	05°04'48"	10°18'59"	03°30'28"	26°09'11"R	27°15'26"R	07°45'25"R	09°05'54"R	14°05'56"R	
1988-08-15	15°02'24"	22°03'54"	03°03'45"	06°03'08"	10°29'04"	03°31'11"	26°07'38"R	27°14'22"R	07°44'22"R	09°05'63"R	14°05'36"R	
1988-08-16	27°06'51"	23°01'34"	05°02'30"	07°02'03"	10°38'23"	03°32'25"	26°06'11"R	27°13'19"R	07°43'20"R	09°05'72"R	14°06'19"R	
1988-08-17	08°55'53"	23°05'16"	07°01'42"	08°02'31"	10°46'55"	03°33'40"	26°04'49"R	27°12'20"R	07°42'20"R	09°05'81"R	14°07'43"R	
1988-08-18	20°51'01"	24°05'58"	08°05'27"	09°01'31"	10°54'39"	03°35'12"	26°03'33"R	27°11'23"R	07°41'21"R	09°05'90"R	14°09'21"R	
1988-08-19	02°05'15"	25°04'42"	10°04'46"	10°01'30"	11°01'36"	03°36'14"	26°02'23"R	27°10'30"R	07°40'24"R	09°06'00"R	14°08'47"R	
1988-08-20	15°01'51"	26°02'26"	12°02'39"	11°09'01"	11°07'45"	04°37'05"	26°01'18"R	27°09'39"R	07°39'28"R	09°06'10"R	14°08'14"R	
1988-08-21	27°05'48"	27°05'12"	14°05'07"	12°05'31"	11°13'06"	04°38'11"	26°00'19"R	27°08'51"R	07°38'34"R	09°06'20"R	14°08'15"R	
1988-08-22	10°25'09"	28°04'59"	15°04'11"	13°02'28"	11°17'37"	04°39'28"	25°59'26"R	27°08'05"R	07°37'42"R	09°06'30"R	14°08'17"R	
1988-08-23	24°21'59"	29°04'47"	17°02'52"	13°05'53"	11°21'19"	04°40'48"	25°58'38"R	27°07'23"R	07°36'51"R	09°06'40"R	14°08'18"R	
1988-08-24	08°16'16"	00°04'37"	19°01'09"	14°05'44"	11°24'12"	04°42'15"	25°57'57"R	27°06'44"R	07°36'02"R	09°06'50"R	14°08'37"R	
1988-08-25	22°13'24"	01°04'12"	20°03'05"	15°05'02"	11°26'15"	04°43'40"	25°57'21"R	27°06'07"R	07°35'15"R	09°07'00"R	14°08'03"R	
1988-08-26	07°37'24"	02°03'19"	22°01'38"	16°05'44"	11°27'27"	04°45'10"	25°56'50"R	27°05'34"R	07°34'29"R	09°07'10"R	14°05'42"R	
1988-08-27	22°24'16"	03°03'12"	23°04'50"	17°05'51"	11°27'50"R	04°46'45"	25°56'26"R	27°05'03"R	07°33'45"R	09°07'20"R	14°04'45"R	
1988-08-28	07°35'40"	04°03'06"	25°01'40"	18°05'32"	11°27'22"R	04°48'15"	25°56'07"R	27°04'35"R	07°33'03"R	09°07'30"R	14°04'15"R	
1988-08-29	22°46'50"	05°03'03"	26°04'09"	19°05'16"	11°26'03"R	04°49'40"	25°55'54"R	27°04'10"R	07°32'22"R	09°07'40"R	14°04'11"R	
1988-08-30	07°48'27"	06°03'00"	28°01'16"	20°05'33"	11°23'53"R	05°01'12"	25°55'47"R	27°03'48"R	07°31'43"R	09°07'50"R	14°04'27"R	
1988-08-31	22°03'24"	07°02'29"	29°04'40"	21°05'12"	11°20'52"R	05°02'47"	25°55'45"R	27°03'29"R	07°31'05"R	09°08'00"R	14°04'51"R	
1988-09-01	06°05'42"	08°02'01"	01°01'22"	22°05'13"	11°17'01"R	05°04'22"	25°55'50"R	27°03'13"R	07°30'30"R	09°08'10"R	14°05'16"R	
1988-09-02	20°05'29"	09°02'04"	02°03'20"	23°05'35"	11°12'19"R	05°06'07"	25°56'00"R	27°03'00"R	07°29'56"R	09°08'20"R	14°05'35"R	
1988-09-03	04°12'05"	10°02'10"	03°05'53"	24°05'17"	11°06'46"R	05°07'42"	25°56'16"R	27°02'50"R	07°29'24"R	09°08'30"R	14°05'46"R	
1988-09-04	17°12'02"	11°02'17"	05°02'00"	26°00'19"	11°00'24"R	05°09'28"	25°56'38"R	27°02'43"R	07°28'54"R	09°08'40"R	14°05'50"R	
1988-09-05	00°11'46"	12°01'26"	06°04'37"	27°02'41"	10°53'12"R	05°11'15"	25°57'06"R	27°02'39"R	07°28'26"R	09°08'50"R	14°05'54"R	
1988-09-06	12°03'28"	13°00'17"	08°00'43"	28°05'20"	10°45'11"R	05°13'10"	25°57'40"R	27°02'39"R	07°28'00"R	09°09'00"R	14°06'03"R	
1988-09-07	24°05'45"	14°00'15"	09°01'16"	29°08'18"	10°36'23"R	05°15'14"	25°58'19"R	27°02'41"R	07°27'36"R	09°09'10"R	14°06'22"R	
1988-09-08	06°05'11"	15°00'14"	10°01'34"	00°11'34"	10°26'48"R	05°17'18"	25°59'05"R	27°02'46"R	07°27'13"R	09°09'20"R	14°06'52"R	
1988-09-09	18°04'00"	16°00'12"	11°01'25"	01°15'06"	10°16'28"R	05°19'32"	25°59'56"R	27°02'55"R	07°26'52"R	09°09'30"R	14°07'29"R	
1988-09-10	00°03'08"	17°00'10"	13°00'54"	02°18'55"	10°05'23"R	05°21'46"	26°00'53"R	27°03'06"R	07°26'33"R	09°09'40"R	14°08'07"R	
1988-09-11	12°02'12"	18°00'03"	14°01'33"	03°23'01"	09°53'37"R	05°24'00"	26°01'56"R	27°03'21"R	07°26'16"R	09°09'50"R	14°08'33"R	
1988-09-12	24°09'35"	19°00'25"	15°02'15"	04°27'22"	09°41'10"R	05°26'14"	26°03'05"R	27°03'38"R	07°26'01"R	09°10'00"R	14°08'39"R	
1988-09-13	05°05'32"	20°00'50"	16°02'56"	05°31'58"	09°28'04"R	05°28'28"	26°04'20"R	27°03'59"R	07°25'48"R	09°10'10"R	14°08'16"R	
1988-09-14	17°05'41"	21°00'16"	17°03'28"	06°36'49"	09°14'22"R	05°30'50"	26°05'40"R	27°04'23"R	07°25'37"R	09°10'20"R	14°07'24"R	

Jan 01, 1980 00:00 AM CCT

Date	☾ Geo Lon	☉ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♅ Geo Lon	♁ Geo Lon	♃ Geo Lon	♁ Geo Lon	♁ Geo Lon
1988-09-15	29° 56' 17"	22° 02' 44"	18° 33' 42"	07° 41' 55"	09° 00' 06" R	05° 58' 00"	26° 07' 07"	27° 04' 50"	07° 25' 28" R	10° 38' 04"	14° 06' 07" R
1988-09-16	12° 07' 59"	23° 01' 14"	19° 33' 30"	08° 47' 15"	08° 45' 18" R	05° 59' 52"	26° 08' 39"	27° 05' 20"	07° 25' 20" R	10° 39' 51"	14° 04' 35" R
1988-09-17	24° 32' 14"	23° 05' 45"	20° 30' 42"	09° 52' 49"	08° 30' 00" R	06° 01' 33"	26° 10' 17"	27° 05' 53"	07° 25' 15" R	10° 41' 39"	14° 03' 04" R
1988-09-18	07° 12' 06"	24° 05' 18"	21° 25' 06"	10° 58' 36"	08° 14' 15" R	06° 03' 01"	26° 12' 01"	27° 06' 29"	07° 25' 12" R	10° 43' 29"	14° 01' 52" R
1988-09-19	20° 10' 38"	25° 05' 53"	22° 16' 31"	12° 04' 37"	07° 58' 07" R	06° 04' 18"	26° 13' 50"	27° 07' 09"	07° 25' 11"	10° 45' 20"	14° 01' 10" R
1988-09-20	03° 30' 37"	26° 05' 30"	23° 04' 42"	13° 10' 51"	07° 41' 36" R	06° 05' 23"	26° 15' 45"	27° 07' 51"	07° 25' 12"	10° 47' 13"	14° 01' 08"
1988-09-21	17° 14' 05"	27° 05' 08"	23° 49' 24"	14° 17' 17"	07° 24' 47" R	06° 06' 16"	26° 17' 46"	27° 08' 37"	07° 25' 14"	10° 49' 07"	14° 01' 43"
1988-09-22	01° 21' 49"	28° 05' 48"	24° 30' 20"	15° 23' 56"	07° 07' 42" R	06° 06' 57"	26° 19' 53"	27° 09' 25"	07° 25' 19"	10° 51' 02"	14° 02' 45"
1988-09-23	15° 52' 41"	29° 05' 129"	25° 07' 14"	16° 30' 48"	06° 50' 23" R	06° 07' 26"	26° 22' 05"	27° 10' 17"	07° 25' 26"	10° 52' 58"	14° 03' 56"
1988-09-24	00° 43' 13"	00° 50' 12"	25° 39' 43"	17° 37' 51"	06° 32' 54" R	06° 07' 43"	26° 24' 22"	27° 11' 11"	07° 25' 34"	10° 54' 56"	14° 04' 53"
1988-09-25	15° 47' 22"	01° 48' 57"	26° 07' 29"	18° 45' 07"	06° 15' 17" R	06° 07' 48" R	26° 26' 45"	27° 12' 09"	07° 25' 45"	10° 56' 55"	14° 05' 15" R
1988-09-26	00° 57' 02"	02° 47' 44"	26° 30' 07"	19° 52' 34"	05° 57' 35" R	06° 07' 41" R	26° 29' 13"	27° 13' 09"	07° 25' 57"	10° 58' 55"	14° 04' 46" R
1988-09-27	16° 02' 53"	03° 46' 33"	26° 47' 15"	21° 00' 13"	05° 39' 51" R	06° 07' 22" R	26° 31' 47"	27° 14' 13"	07° 26' 12"	11° 00' 56"	14° 03' 18" R
1988-09-28	00° 55' 48"	04° 45' 24"	26° 58' 27"	22° 08' 03"	05° 22' 07" R	06° 06' 51" R	26° 34' 26"	27° 15' 19"	07° 26' 28"	11° 02' 58"	14° 00' 57" R
1988-09-29	15° 28' 10"	05° 44' 17"	27° 03' 20"	23° 16' 04"	05° 04' 27" R	06° 06' 08" R	26° 37' 11"	27° 16' 29"	07° 26' 47"	11° 05' 02"	13° 58' 03" R
1988-09-30	29° 34' 52"	06° 43' 12"	27° 01' 29" R	24° 24' 17"	04° 46' 52" R	06° 05' 13" R	26° 40' 01"	27° 17' 41"	07° 27' 07"	11° 07' 06"	13° 55' 00" R
1988-10-01	13° 13' 42"	07° 42' 10"	26° 52' 33" R	25° 32' 40"	04° 29' 26" R	06° 04' 06" R	26° 42' 56"	27° 18' 57"	07° 27' 30"	11° 09' 12"	13° 52' 19" R
1988-10-02	26° 25' 04"	08° 41' 10"	26° 36' 10" R	26° 41' 14"	04° 12' 12" R	06° 02' 47" R	26° 45' 57"	27° 20' 15"	07° 27' 54"	11° 11' 19"	13° 50' 30" R
1988-10-03	09° 11' 28"	09° 40' 12"	26° 12' 08" R	27° 49' 59"	03° 55' 12" R	06° 01' 15" R	26° 49' 03"	27° 21' 37"	07° 28' 21"	11° 13' 27"	13° 49' 50" R
1988-10-04	21° 36' 45"	10° 39' 16"	25° 40' 19" R	28° 58' 53"	03° 38' 30" R	05° 59' 32" R	26° 52' 14"	27° 23' 01"	07° 28' 49"	11° 15' 36"	13° 50' 25"
1988-10-05	03° 45' 27"	11° 38' 23"	25° 00' 46" R	00° 07' 57"	03° 22' 07" R	05° 57' 36" R	26° 55' 30"	27° 24' 28"	07° 29' 20"	11° 17' 46"	13° 52' 04"
1988-10-06	15° 42' 18"	12° 37' 32"	24° 13' 42" R	01° 17' 10"	03° 06' 06" R	05° 55' 28" R	26° 58' 52"	27° 25' 58"	07° 29' 52"	11° 19' 57"	13° 54' 20"
1988-10-07	27° 31' 54"	13° 36' 44"	23° 19' 38" R	02° 26' 33"	02° 50' 30" R	05° 53' 09" R	27° 02' 18"	27° 27' 31"	07° 30' 26"	11° 22' 09"	13° 56' 36"
1988-10-08	09° 18' 26"	14° 35' 57"	22° 19' 20" R	03° 36' 05"	02° 35' 22" R	05° 50' 37" R	27° 05' 50"	27° 29' 07"	07° 31' 03"	11° 24' 22"	13° 58' 11"
1988-10-09	21° 05' 36"	15° 35' 13"	21° 13' 53" R	04° 45' 46"	02° 20' 44" R	05° 47' 54" R	27° 09' 26"	27° 30' 46"	07° 31' 41"	11° 26' 35"	13° 58' 25" R
1988-10-10	02° 56' 27"	16° 34' 31"	20° 04' 40" R	05° 55' 35"	02° 06' 37" R	05° 44' 58" R	27° 13' 08"	27° 32' 27"	07° 32' 21"	11° 28' 50"	13° 56' 51" R
1988-10-11	14° 53' 26"	17° 33' 51"	18° 53' 21" R	07° 05' 33"	01° 53' 06" R	05° 41' 51" R	27° 16' 54"	27° 34' 11"	07° 33' 03"	11° 31' 05"	13° 53' 21" R
1988-10-12	26° 58' 26"	18° 33' 13"	17° 41' 47" R	08° 15' 39"	01° 40' 10" R	05° 38' 33" R	27° 20' 45"	27° 35' 58"	07° 33' 47"	11° 33' 21"	13° 54' 05" R
1988-10-13	09° 12' 55"	19° 32' 37"	16° 32' 01" R	09° 25' 53"	01° 27' 53" R	05° 35' 02" R	27° 24' 42"	27° 37' 48"	07° 34' 33"	11° 35' 38"	13° 54' 13" R
1988-10-14	21° 38' 01"	20° 32' 03"	15° 26' 03" R	10° 36' 15"	01° 16' 15" R	05° 31' 21" R	27° 28' 43"	27° 39' 40"	07° 35' 21"	11° 37' 56"	13° 53' 29" R
1988-10-15	04° 14' 51"	21° 31' 31"	14° 25' 49" R	11° 46' 44"	01° 05' 19" R	05° 27' 28" R	27° 32' 48"	27° 41' 35"	07° 36' 12"	11° 40' 14"	13° 52' 43" R
1988-10-16	17° 04' 33"	22° 31' 01"	13° 33' 03" R	12° 57' 21"	00° 55' 06" R	05° 23' 24" R	27° 36' 59"	27° 43' 33"	07° 37' 03"	11° 42' 33"	13° 52' 00" R
1988-10-17	00° 08' 28"	23° 30' 33"	12° 49' 14" R	14° 08' 06"	00° 45' 37" R	05° 19' 10" R	27° 41' 14"	27° 45' 34"	07° 37' 57"	11° 44' 53"	13° 51' 56" R
1988-10-18	13° 28' 02"	24° 30' 06"	12° 15' 26" R	15° 18' 58"	00° 36' 53" R	05° 14' 44" R	27° 45' 34"	27° 47' 37"	07° 38' 53"	11° 47' 13"	13° 51' 42" R
1988-10-19	27° 04' 40"	25° 29' 41"	11° 52' 25" R	16° 29' 56"	00° 28' 55" R	05° 10' 08" R	27° 49' 58"	27° 49' 43"	07° 39' 51"	11° 49' 34"	13° 51' 11"
1988-10-20	10° 59' 23"	26° 29' 18"	11° 40' 34" R	17° 41' 02"	00° 21' 44" R	05° 05' 21" R	27° 54' 27"	27° 51' 51"	07° 40' 50"	11° 51' 55"	13° 51' 52"
1988-10-21	25° 12' 21"	27° 28' 57"	11° 39' 55"	18° 52' 14"	00° 15' 19" R	05° 00' 24" R	27° 59' 00"	27° 54' 02"	07° 41' 51"	11° 54' 17"	13° 51' 58" R
1988-10-22	09° 42' 21"	28° 28' 37"	11° 50' 16"	20° 03' 33"	00° 09' 43" R	04° 55' 16" R	28° 03' 37"	27° 56' 15"	07° 42' 54"	11° 56' 39"	13° 51' 38" R
1988-10-23	24° 26' 12"	29° 28' 19"	12° 11' 07"	21° 14' 59"	00° 04' 54" R	04° 49' 59" R	28° 08' 18"	27° 58' 31"	07° 43' 57"	11° 59' 02"	13° 51' 00" R
1988-10-24	09° 18' 32"	00° 28' 03"	12° 44' 15"	22° 26' 31"	00° 00' 53" R	04° 44' 32" R	28° 13' 04"	28° 00' 49"	07° 45' 06"	12° 01' 25"	13° 51' 43" R
1988-10-25	24° 12' 07"	01° 27' 48"	13° 21' 43"	23° 38' 09"	29° 57' 40" R	04° 38' 55" R	28° 17' 54"	28° 03' 10"	07° 46' 14"	12° 03' 49"	13° 50' 56" R
1988-10-26	08° 58' 37"	02° 27' 36"	14° 09' 53"	24° 49' 54"	29° 55' 15" R	04° 33' 10" R	28° 22' 48"	28° 05' 33"	07° 47' 24"	12° 06' 13"	13° 50' 35" R
1988-10-27	23° 29' 58"	03° 27' 25"	15° 05' 31"	26° 01' 46"	29° 53' 38" R	04° 27' 15" R	28° 27' 46"	28° 07' 58"	07° 48' 36"	12° 08' 37"	12° 55' 34" R
1988-10-28	07° 33' 34"	04° 27' 17"	16° 07' 47"	27° 13' 44"	29° 52' 48" R	04° 21' 11" R	28° 32' 48"	28° 10' 26"	07° 49' 50"	12° 11' 01"	12° 54' 12" R
1988-10-29	21° 23' 18"	05° 27' 11"	17° 15' 50"	28° 25' 47"	29° 52' 46"	04° 14' 58" R	28° 37' 54"	28° 12' 56"	07° 51' 06"	12° 13' 26"	12° 53' 17" R
1988-10-30	04° 39' 50"	06° 27' 07"	18° 28' 57"	29° 37' 57"	29° 53' 31"	04° 08' 37" R	28° 43' 04"	28° 15' 28"	07° 52' 23"	12° 15' 52"	12° 53' 43" R
1988-10-31	17° 30' 24"	07° 27' 05"	19° 46' 23"	00° 50' 13"	29° 55' 03"	04° 02' 08" R	28° 48' 17"	28° 18' 03"	07° 53' 42"	12° 18' 17"	12° 52' 06" R
1988-11-01	29° 58' 12"	08° 27' 05"	21° 07' 31"	02° 02' 34"	29° 57' 21"	03° 55' 30" R	28° 53' 35"	28° 20' 39"	07° 55' 02"	12° 20' 43"	12° 52' 39" R
1988-11-02	12° 07' 46"	09° 27' 08"	22° 31' 46"	03° 15' 01"	00° 00' 26"	03° 48' 45" R	28° 58' 56"	28° 23' 18"	07° 56' 25"	12° 23' 08"	12° 52' 09" R
1988-11-03	24° 04' 16"	10° 27' 12"	23° 58' 38"	04° 27' 34"	00° 04' 17"	03° 41' 52" R	29° 04' 21"	28° 25' 59"	07° 57' 48"	12° 25' 34"	12° 52' 54" R
1988-11-04	05° 53' 08"	11° 27' 19"	25° 27' 40"	05° 40' 11"	00° 08' 53"	03° 34' 52" R	29° 09' 49"	28° 28' 43"	07° 59' 14"	12° 28' 00"	12° 52' 58" R
1988-11-05	17° 39' 37"	12° 27' 27"	26° 58' 28"	06° 52' 54"	00° 14' 15"	03° 27' 45" R	29° 15' 21"	28° 31' 28"	08° 00' 41"	12° 30' 25"	12° 52' 13" R
1988-11-06	29° 28' 31"	13° 27' 38"	28° 30' 43"	08° 05' 41"	00° 20' 21"	03° 20' 32" R	29° 20' 57"	28° 34' 15"	08° 02' 10"	12° 32' 51"	12° 52' 40" R

Jan 01, 1980 00:00 AM CCT

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1988-11-07	11° $\underline{\text{a}}$ 23'59"	14° m ,27'50"	00° m ,04'08"	09° $\underline{\text{a}}$ 18'33"	00° r 27'11"	03° II 13'12" R_x	29° a 26'36"	28° a 37'04"	08° v s03'40"	12° m ,35'17"	12° x 21'35" R_x
1988-11-08	23° $\underline{\text{a}}$ 29'13"	15° m ,28'05"	01° m ,38'26"	10° $\underline{\text{a}}$ 31'30"	00° r 34'45"	03° II 05'47" R_x	29° a 32'18"	28° a 39'55"	08° v s05'11"	12° m ,37'43"	12° x 14'40" R_x
1988-11-09	05° m ,46'30"	16° m ,28'21"	03° m ,13'28"	11° $\underline{\text{a}}$ 44'32"	00° r 43'03"	02° II 58'15" R_x	29° a 38'04"	28° a 42'49"	08° v s06'45"	12° m ,40'08"	12° x 05'09" R_x
1988-11-10	18° m ,17'00"	17° m ,28'40"	04° m ,49'01"	12° $\underline{\text{a}}$ 57'38"	00° r 52'03"	02° II 50'39" R_x	29° a 43'53"	28° a 45'44"	08° v s08'20"	12° m ,42'34"	11° x 53'44" R_x
1988-11-11	01° r 00'59"	18° m ,29'00"	06° m ,24'57"	14° $\underline{\text{a}}$ 10'48"	01° r 01'45"	02° II 42'58" R_x	29° a 49'45"	28° a 48'41"	08° v s09'56"	12° m ,45'00"	11° x 41'25" R_x
1988-11-12	13° r 57'58"	19° m ,29'22"	08° m ,01'08"	15° $\underline{\text{a}}$ 24'02"	01° r 12'08"	02° II 35'12" R_x	29° a 55'40"	28° a 51'40"	08° v s11'34"	12° m ,47'25"	11° x 29'26" R_x
1988-11-13	27° r 07'04"	20° m ,29'45"	09° m ,37'30"	16° $\underline{\text{a}}$ 37'20"	01° r 23'12"	02° II 27'22" R_x	00° v s01'39"	28° a 54'40"	08° v s13'13"	12° m ,49'50"	11° x 18'53" R_x
1988-11-14	10° v s27'19"	21° m ,30'15"	11° m ,13'56"	17° $\underline{\text{a}}$ 50'42"	01° r 34'55"	02° II 19'28" R_x	00° v s07'40"	28° a 57'43"	08° v s14'54"	12° m ,52'15"	11° x 10'36" R_x
1988-11-15	23° v s58'03"	22° m ,30'36"	12° m ,50'23"	19° $\underline{\text{a}}$ 04'08"	01° r 47'18"	02° II 11'31" R_x	00° v s13'45"	29° a 00'47"	08° v s16'36"	12° m ,54'40"	11° x 04'58" R_x
1988-11-16	07° v s38'59"	23° m ,31'04"	14° m ,26'48"	20° $\underline{\text{a}}$ 17'37"	02° r 00'19"	02° II 03'31" R_x	00° v s19'52"	29° a 03'53"	08° v s18'20"	12° m ,57'04"	11° x 01'52" R_x
1988-11-17	21° v s30'10"	24° m ,31'33"	16° m ,03'07"	21° $\underline{\text{a}}$ 31'10"	02° r 13'57"	01° II 55'28" R_x	00° v s26'01"	29° a 07'00"	08° v s20'05"	12° m ,59'28"	11° x 00'38" R_x
1988-11-18	05° x 31'44"	25° m ,32'03"	17° m ,39'20"	22° $\underline{\text{a}}$ 44'46"	02° r 28'12"	01° II 47'23" R_x	00° v s32'14"	29° a 10'09"	08° v s21'51"	13° m ,01'51"	11° x 00'18" R_x
1988-11-19	19° x 43'25"	26° m ,32'34"	19° m ,15'25"	23° $\underline{\text{a}}$ 58'25"	02° r 43'03"	01° II 39'16" R_x	00° v s38'29"	29° a 13'19"	08° v s23'38"	13° m ,04'14"	10° x 59'39" R_x
1988-11-20	04° r 03'58"	27° m ,33'06"	20° m ,51'20"	25° $\underline{\text{a}}$ 12'08"	02° r 58'28"	01° II 31'07" R_x	00° v s44'47"	29° a 16'31"	08° v s25'27"	13° m ,06'37"	10° x 57'36" R_x
1988-11-21	18° r 30'43"	28° m ,33'40"	22° m ,27'06"	26° $\underline{\text{a}}$ 25'54"	03° r 14'27"	01° II 22'57" R_x	00° v s51'07"	29° a 19'44"	08° v s27'17"	13° m ,08'59"	10° x 53'16" R_x
1988-11-22	02° r 59'24"	29° m ,34'15"	24° m ,02'42"	27° $\underline{\text{a}}$ 39'43"	03° r 30'59"	01° II 14'47" R_x	00° v s57'29"	29° a 22'59"	08° v s29'08"	13° m ,11'20"	10° x 46'17" R_x
1988-11-23	17° r 24'18"	00° r 34'51"	25° m ,38'08"	28° $\underline{\text{a}}$ 53'35"	03° r 48'04"	01° II 06'36" R_x	01° v s03'54"	29° a 26'15"	08° v s31'00"	13° m ,13'41"	10° x 36'47" R_x
1988-11-24	01° II 39'04"	01° r 35'29"	27° m ,13'23"	00° m ,07'31"	04° r 05'40"	00° II 58'25" R_x	01° v s10'21"	29° a 29'33"	08° v s32'54"	13° m ,16'02"	10° x 25'23" R_x
1988-11-25	15° II 37'42"	02° r 36'08"	28° m ,48'30"	01° m ,21'30"	04° r 23'46"	00° II 50'14" R_x	01° v s16'51"	29° a 32'52"	08° v s34'48"	13° m ,18'21"	10° x 13'06" R_x
1988-11-26	29° II 15'33"	03° r 36'49"	00° r 23'27"	02° m ,35'31"	04° r 42'22"	00° II 42'04" R_x	01° v s23'23"	29° a 36'12"	08° v s36'44"	13° m ,20'41"	10° x 01'07" R_x
1988-11-27	12° r 30'04"	04° r 37'31"	01° r 58'15"	03° m ,49'36"	05° r 01'28"	00° II 33'56" R_x	01° v s29'57"	29° a 39'33"	08° v s38'41"	13° m ,22'59"	09° x 05'35" R_x
1988-11-28	25° r 21'01"	05° r 38'15"	03° r 32'56"	05° m ,03'43"	05° r 21'01"	00° II 25'48" R_x	01° v s36'33"	29° a 42'56"	08° v s40'39"	13° m ,25'17"	09° x 42'20" R_x
1988-11-29	07° r 50'18"	06° r 39'00"	05° r 07'30"	06° m ,17'54"	05° r 41'03"	00° II 17'43" R_x	01° v s43'11"	29° a 46'19"	08° v s42'38"	13° m ,27'34"	09° x 36'46" R_x
1988-11-30	20° r 01'27"	07° r 39'46"	06° r 41'57"	07° m ,32'07"	06° r 01'31"	00° II 09'39" R_x	01° v s49'50"	29° a 49'44"	08° v s44'38"	13° m ,29'51"	09° x 33'45" R_x
1988-12-01	01° r 59'12"	08° r 40'34"	08° r 16'19"	08° m ,46'23"	06° r 22'26"	00° II 01'38" R_x	01° v s56'32"	29° a 53'09"	08° v s46'39"	13° m ,32'06"	09° x 32'39" R_x
1988-12-02	13° r 48'53"	09° r 41'23"	09° r 50'37"	10° m ,00'41"	06° r 43'47"	29° r 53'40" R_x	02° v s03'15"	29° a 56'36"	08° v s48'41"	13° m ,34'21"	09° x 32'24" R_x
1988-12-03	25° r 36'10"	10° r 42'14"	11° r 24'51"	11° m ,15'01"	07° r 05'34"	29° r 45'45" R_x	02° v s10'01"	00° v s00'04"	08° v s50'43"	13° m ,36'35"	09° x 31'49" R_x
1988-12-04	07° $\underline{\text{a}}$ 26'34"	11° r 43'06"	12° r 59'02"	12° m ,29'24"	07° r 27'45"	29° r 47'53" R_x	02° v s16'47"	00° v s33'32"	08° v s52'47"	13° m ,38'48"	09° x 29'43" R_x
1988-12-05	19° $\underline{\text{a}}$ 25'12"	12° r 44'00"	14° r 33'12"	13° m ,43'50"	07° r 50'21"	29° r 30'06" R_x	02° v s23'36"	00° v s07'02"	08° v s54'51"	13° m ,41'00"	09° x 25'13" R_x
1988-12-06	01° m ,36'23"	13° r 44'55"	16° r 07'21"	14° m ,58'17"	08° r 13'20"	29° r 22'23" R_x	02° v s30'26"	00° v s10'32"	08° v s56'57"	13° m ,43'11"	09° x 17'54" R_x
1988-12-07	14° m ,03'22"	14° r 45'51"	17° r 41'30"	16° m ,12'47"	08° r 36'43"	29° r 14'45" R_x	02° v s37'18"	00° v s14'03"	08° v s59'03"	13° m ,45'21"	09° x 07'51" R_x
1988-12-08	26° m ,48'02"	15° r 46'48"	19° r 15'40"	17° m ,27'18"	09° r 00'28"	29° r 07'12" R_x	02° v s44'11"	00° v s17'35"	09° v s01'10"	13° m ,47'30"	08° x 55'44" R_x
1988-12-09	09° r 50'45"	16° r 47'46"	20° r 49'52"	18° m ,41'52"	09° r 24'36"	28° r 59'45" R_x	02° v s51'05"	00° v s21'08"	09° v s03'18"	13° m ,49'38"	08° x 42'32" R_x
1988-12-10	23° r 10'23"	17° r 48'46"	22° r 24'06"	19° m ,56'27"	09° r 49'06"	28° r 52'23" R_x	02° v s58'01"	00° v s24'41"	09° v s05'27"	13° m ,51'45"	08° x 29'30" R_x
1988-12-11	06° v s44'31"	18° r 49'46"	23° r 58'24"	21° m ,11'04"	10° r 13'56"	28° r 45'08" R_x	03° v s04'57"	00° v s28'15"	09° v s07'36"	13° m ,53'51"	08° x 17'50" R_x
1988-12-12	20° v s30'00"	19° r 50'47"	25° r 32'45"	22° m ,25'42"	10° r 39'08"	28° r 37'59" R_x	03° v s11'55"	00° v s31'49"	09° v s09'46"	13° m ,55'56"	08° x 08'26" R_x
1988-12-13	04° v s23'34"	20° r 51'49"	27° r 07'10"	23° m ,40'22"	11° r 04'39"	28° r 30'57" R_x	03° v s18'54"	00° v s35'24"	09° v s11'57"	13° m ,58'00"	08° x 01'47" R_x
1988-12-14	18° v s22'24"	21° r 52'51"	28° r 41'39"	24° m ,55'03"	11° r 30'31"	28° r 24'03" R_x	03° v s25'54"	00° v s39'00"	09° v s14'08"	14° m ,00'02"	07° x 57'51" R_x
1988-12-15	02° r 24'24"	22° r 53'54"	00° v s16'13"	26° m ,09'46"	11° r 56'41"	28° r 17'15" R_x	03° v s32'55"	00° v s42'36"	09° v s16'19"	14° m ,02'03"	07° x 56'05" R_x
1988-12-16	16° x 28'18"	23° r 54'57"	01° v s50'51"	27° m ,24'29"	12° r 23'10"	28° r 10'36" R_x	03° v s39'56"	00° v s46'12"	09° v s18'32"	14° m ,04'03"	07° x 55'31" R_x
1988-12-17	00° r 33'18"	24° r 56'00"	03° v s25'33"	28° m ,39'14"	12° r 49'56"	28° r 04'04" R_x	03° v s46'58"	00° v s49'48"	09° v s20'44"	14° m ,06'01"	07° x 54'59" R_x
1988-12-18	14° r 38'42"	25° r 57'04"	05° v s00'19"	29° m ,54'00"	13° r 17'00"	27° r 57'41" R_x	03° v s54'01"	00° v s53'25"	09° v s22'57"	14° m ,07'58"	07° x 53'22" R_x
1988-12-19	28° r 43'20"	26° r 58'08"	06° v s35'09"	01° r 08'47"	13° r 44'21"	27° r 51'26" R_x	04° v s01'05"	00° v s57'01"	09° v s25'11"	14° m ,09'54"	07° x 49'47" R_x
1988-1											

Jan 01, 1980 00:00 AM CCT

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1988-12-30	21°♐33'40"	08°♍10'18"	23°♍50'15"	14°♌52'39"	19°♌01'31"	26°♌53'16" R _x	05°♍19'04"	01°♍36'50"	09°♍50'00"	14°♌29'33"	06°♌36'20"	
1988-12-31	03°♌21'25"	09°♍11'26"	25°♍21'25"	16°♌07'39"	19°♌31'41"	26°♌49'00" R _x	05°♍26'09"	01°♍40'27"	09°♍52'16"	14°♌31'11"	06°♌37'07"	
1989-01-01	15°♌12'06"	10°♍12'36"	26°♍51'25"	17°♌22'40"	20°♌02'02"	26°♌44'56" R _x	05°♍33'14"	01°♍44'02"	09°♍54'33"	14°♌32'47"	06°♌37'03" R _x	
1989-01-02	27°♌11'10"	11°♍13'45"	28°♍20'00"	18°♌37'41"	20°♌32'34"	26°♌41'04" R _x	05°♍40'19"	01°♍47'38"	09°♍56'49"	14°♌34'21"	06°♌35'19" R _x	
1989-01-03	09°♌23'41"	12°♍14'55"	29°♍46'51"	19°♌52'43"	21°♌03'19"	26°♌37'23" R _x	05°♍47'24"	01°♍51'13"	09°♍59'06"	14°♌35'54"	06°♌31'26" R _x	
1989-01-04	21°♌53'59"	13°♍16'05"	01°♌11'37"	21°♌07'46"	21°♌34'14"	26°♌33'53" R _x	05°♍54'28"	01°♍54'48"	10°♍01'22"	14°♌37'25"	06°♌25'22" R _x	
1989-01-05	04°♌45'15"	14°♍17'16"	02°♌33'53"	22°♌22'50"	22°♌05'20"	26°♌30'35" R _x	06°♍01'32"	01°♍58'22"	10°♍03'38"	14°♌38'54"	06°♌17'33" R _x	
1989-01-06	17°♌59'02"	15°♍18'27"	03°♌53'11"	23°♌37'54"	22°♌36'37"	26°♌27'29" R _x	06°♍08'35"	02°♍01'55"	10°♍05'55"	14°♌40'22"	06°♌08'44" R _x	
1989-01-07	01°♌34'58"	16°♍19'37"	05°♌08'59"	24°♌52'59"	23°♌08'05"	26°♌24'35" R _x	06°♍15'37"	02°♍05'28"	10°♍08'11"	14°♌41'48"	05°♌59'50" R _x	
1989-01-08	15°♌30'37"	17°♍20'48"	06°♌20'39"	26°♌08'04"	23°♌39'43"	26°♌21'53" R _x	06°♍22'39"	02°♍09'01"	10°♍10'27"	14°♌43'11"	05°♌51'50" R _x	
1989-01-09	29°♌41'49"	18°♍21'58"	07°♌27'32"	27°♌23'09"	24°♌11'30"	26°♌19'23" R _x	06°♍29'39"	02°♍12'32"	10°♍12'42"	14°♌44'33"	05°♌45'28" R _x	
1989-01-10	14°♌03'15"	19°♍23'09"	08°♌28'52"	28°♌38'15"	24°♌43'28"	26°♌17'06" R _x	06°♍36'39"	02°♍16'03"	10°♍14'58"	14°♌45'54"	05°♌41'11" R _x	
1989-01-11	28°♌29'17"	20°♍24'18"	09°♌23'50"	29°♌53'21"	25°♌15'34"	26°♌15'00" R _x	06°♍43'38"	02°♍19'33"	10°♍17'13"	14°♌47'12"	05°♌39'01" R _x	
1989-01-12	12°♌54'52"	21°♍25'27"	10°♌11'36"	01°♍08'27"	25°♌47'50"	26°♌13'07" R _x	06°♍50'36"	02°♍23'02"	10°♍19'27"	14°♌48'28"	05°♌38'36"	
1989-01-13	27°♌15'57"	22°♍26'36"	10°♌51'14"	02°♍23'33"	26°♌20'15"	26°♌11'26" R _x	06°♍57'32"	02°♍26'30"	10°♍21'41"	14°♌49'42"	05°♌39'16"	
1989-01-14	11°♌29'46"	23°♍27'44"	11°♌21'53"	03°♍38'39"	26°♌52'48"	26°♌09'58" R _x	07°♍04'27"	02°♍29'57"	10°♍23'55"	14°♌50'54"	05°♌40'11"	
1989-01-15	25°♌34'36"	24°♍28'51"	11°♌42'39"	04°♍53'45"	27°♌25'29"	26°♌08'42" R _x	07°♍11'21"	02°♍33'23"	10°♍26'09"	14°♌52'05"	05°♌40'30" R _x	
1989-01-16	09°♌29'28"	25°♍29'58"	11°♌52'48"	06°♍08'52"	27°♌58'19"	26°♌07'39" R _x	07°♍18'14"	02°♍36'48"	10°♍28'21"	14°♌53'13"	05°♌39'34" R _x	
1989-01-17	23°♌13'45"	26°♍31'03"	11°♌51'43" R _x	07°♍23'58"	28°♌31'16"	26°♌06'48" R _x	07°♍25'05"	02°♍40'12"	10°♍30'34"	14°♌54'20"	05°♌36'59" R _x	
1989-01-18	06°♌46'56"	27°♍32'08"	11°♌39'00" R _x	08°♍39'05"	29°♌04'21"	26°♌06'10" R _x	07°♍31'55"	02°♍43'35"	10°♍32'46"	14°♌55'24"	05°♌32'45" R _x	
1989-01-19	20°♌08'23"	28°♍33'13"	11°♌14'34" R _x	09°♍54'11"	29°♌37'33"	26°♌05'44" R _x	07°♍38'43"	02°♍46'56"	10°♍34'58"	14°♌56'27"	05°♌27'11" R _x	
1989-01-20	03°♌17'24"	29°♍34'16"	10°♌38'40" R _x	11°♍09'18"	00°♌10'52"	26°♌05'30" R _x	07°♍45'30"	02°♍50'17"	10°♍37'09"	14°♌57'27"	05°♌20'53" R _x	
1989-01-21	16°♌13'17"	00°♌35'19"	09°♌52'01" R _x	12°♍24'25"	00°♌44'17"	26°♌05'29"	07°♍52'15"	02°♍53'36"	10°♍39'19"	14°♌58'26"	05°♌14'37" R _x	
1989-01-22	28°♌55'32"	01°♌36'21"	08°♌55'43" R _x	13°♍39'31"	01°♌17'49"	26°♌05'40"	07°♍58'58"	02°♍56'54"	10°♍41'29"	14°♌59'22"	05°♌09'08" R _x	
1989-01-23	11°♌24'09"	02°♌37'22"	07°♌51'18" R _x	14°♍54'38"	01°♌51'28"	26°♌06'04"	08°♍05'39"	03°♍00'11"	10°♍43'38"	15°♌00'16"	05°♌05'01" R _x	
1989-01-24	23°♌39'53"	03°♌38'22"	06°♌40'42" R _x	16°♍09'45"	02°♌25'12"	26°♌06'39"	08°♍12'19"	03°♍03'26"	10°♍45'46"	15°♌01'08"	05°♌02'37" R _x	
1989-01-25	05°♌44'15"	04°♌39'22"	05°♌26'04" R _x	17°♍24'52"	02°♌59'03"	26°♌07'27"	08°♍18'56"	03°♍06'40"	10°♍47'53"	15°♌01'59"	05°♌01'57" R _x	
1989-01-26	17°♌39'40"	05°♌40'21"	04°♌09'43" R _x	18°♍39'59"	03°♌32'59"	26°♌08'27"	08°♍25'32"	03°♍09'52"	10°♍50'00"	15°♌02'46"	05°♌02'46" R _x	
1989-01-27	29°♌29'22"	06°♌41'20"	02°♌53'56" R _x	19°♍55'06"	04°♌07'01"	26°♌09'40"	08°♍32'05"	03°♍13'03"	10°♍52'06"	15°♌03'32"	05°♌04'33" R _x	
1989-01-28	11°♌17'15"	07°♌42'17"	01°♌40'50" R _x	21°♍10'13"	04°♌41'09"	26°♌11'04"	08°♍38'37"	03°♍16'12"	10°♍54'11"	15°♌04'16"	05°♌06'39" R _x	
1989-01-29	23°♌07'47"	08°♌43'15"	00°♌32'19" R _x	22°♍25'21"	05°♌15'22"	26°♌12'41"	08°♍45'06"	03°♍19'20"	10°♍56'15"	15°♌04'58"	05°♌08'26" R _x	
1989-01-30	05°♌05'48"	09°♌44'11"	29°♍29'52" R _x	23°♍40'28"	05°♌49'41"	26°♌14'30"	08°♍51'33"	03°♍22'26"	10°♍58'19"	15°♌05'37"	05°♌09'23" R _x	
1989-01-31	17°♌16'19"	10°♌45'07"	28°♍34'40" R _x	24°♍55'35"	06°♌24'05"	26°♌16'31"	08°♍57'57"	03°♍25'30"	11°♍00'21"	15°♌06'15"	05°♌09'13" R _x	
1989-02-01	29°♌44'05"	11°♌46'02"	27°♍47'30" R _x	26°♍10'43"	06°♌58'34"	26°♌18'43"	09°♍04'20"	03°♍28'33"	11°♍02'23"	15°♌06'50"	05°♌07'51" R _x	
1989-02-02	12°♌33'15"	12°♌46'56"	27°♍08'49" R _x	27°♍25'50"	07°♌33'08"	26°♌21'08"	09°♍10'39"	03°♍31'34"	11°♍04'24"	15°♌07'23"	05°♌05'30" R _x	
1989-02-03	25°♌46'54"	13°♌47'50"	26°♍38'45" R _x	28°♍40'58"	08°♌07'48"	26°♌23'45"	09°♍16'57"	03°♍34'34"	11°♍06'24"	15°♌07'54"	05°♌02'32" R _x	
1989-02-04	09°♌26'22"	14°♌48'43"	26°♍17'17" R _x	29°♍56'05"	08°♌42'32"	26°♌26'33"	09°♍23'11"	03°♍37'31"	11°♍08'23"	15°♌08'23"	04°♌59'26" R _x	
1989-02-05	23°♌30'52"	15°♌49'34"	26°♍04'09" R _x	01°♌11'13"	09°♌17'21"	26°♌29'34"	09°♍29'23"	03°♍40'27"	11°♍10'20"	15°♌08'50"	04°♌56'40" R _x	
1989-02-06	07°♌57'09"	16°♌50'25"	25°♍59'01" R _x	02°♌26'20"	09°♌52'15"	26°♌32'46"	09°♍35'33"	03°♍43'21"	11°♍12'17"	15°♌09'14"	04°♌54'36" R _x	
1989-02-07	22°♌39'43"	17°♌51'14"	26°♍01'25"	03°♌41'26"	10°♌27'13"	26°♌36'09"	09°♍41'39"	03°♍46'12"	11°♍14'13"	15°♌09'36"	04°♌53'25" R _x	
1989-02-08	07°♌31'22"	18°♌52'02"	26°♍10'54"	04°♌56'33"	11°♌02'16"	26°♌39'44"	09°♍47'42"	03°♍49'02"	11°♍16'07"	15°♌09'56"	04°♌53'09" R _x	
1989-02-09	22°♌24'18"	19°♌52'49"	26°♍26'58"	06°♌11'39"	11°♌37'23"	26°♌43'30"	09°♍53'43"	03°♍51'50"	11°♍18'00"	15°♌10'14"	04°♌53'37" R _x	
1989-02-10	07°♌11'08"	20°♌53'34"	26°♍49'07"	07°♌26'44"	12°♌12'34"	26°♌47'28"	09°♍59'40"	03°♍54'35"	11°♍19'52"	15°♌10'29"	04°♌54'32" R _x	
1989-02-11	21°♌45'49"	21°♌54'18"	27°♍16'54"	08°♌41'49"	12°♌47'49"	26°♌51'37"	10°♍05'34"	03°♍57'19"	11°♍21'43"	15°♌10'43"	04°♌55'34" R _x	
1989-02-12	06°♌04'10"	22°♌55'00"	27°♍49'50"	09°♌56'53"	13°♌23'08"	26°♌55'56"	10°♍11'25"	04°♍00'00"	11°♍23'32"	15°♌10'54"	04°♌56'23" R _x	
1989-02-13	20°♌03'53"	23°♌55'41"	28°♍27'32"	11°♌11'57"	13°♌58'31"	27°♌00'27"	10°♍17'13"	04°♍02'39"	11°♍25'20"	15°♌11'03"	04°♌56'45" R _x	
1989-02-14	03°♌44'18"	24°♌56'20"	29°♍09'34"	12°♌27'01"	14°♌33'58"	27°♌05'09"	10°♍22'58"	04°♍05'16"	11°♍27'07"	15°♌11'10"	04°♌56'35" R _x	
1989-02-15	17°♌06'00"	25°♌56'57"	29°♍55'37"	13°♌42'04"	15°♌09'27"	27°♌10'02"	10°♍28'39"	04°♍07'51"	11°♍28'53"	15°♌11'15"	04°♌55'56" R _x	
1989-02-16	00°♌10'20"	26°♌57'32"	00°♌45'20"	14°♌57'06"	15°♌45'00"	27°♌15'05"	10°♍34'17"	04°♍10'24"	11°♍30'37"	15°♌11'18"	04°♌54'56" R _x	
1989-02-17	12°♌59'01"	27°♌58'06"	01°♌38'25"	16°♌12'08"	16°♌20'36"	27°♌20'19"	10°♍39'51"	04°♍12'54"	11°♍32'21"	15°♌11'18" R _x	04°♌53'47" R _x	
1989-02-18	25°♌33'53"	28°♌58'38"	02°♌34'38"	17°♌27'10"	16°♌56'15"	27°♌25'43"	10°♍45'22"	04°♍15'22"	11°♍34'02"	15°♌11'16" R _x	04°♌52'45" R _x	
1989-02-19	07°♌56'41"	29°♌59'08"	03°♌33'43"	18°♌42'11"	17°♌31'57"	27°♌31'18"	10°♍50'49"	04°♍17'47"	11°♍35'42"	15°♌11'13" R _x	04°♌51'58" R _x	
1989-02-20	20°♌09'05"	00°♌59'37"	04°♌35'27"	19°♌57'11"	18°♌07'42"	27°♌37'02"	10°♍56'13"	04°♍20'10"	11°♍37'21"	15°♌11'06" R _x	04°♌51'33" R _x	

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1989-02-21	02°12'44"	02°00'04"	05°39'40"	21°12'11"	18°04'29"	27°04'57"	11°01'33"	04°22'31"	11°38'58"	15°10'58" R	04°51'30"	
1989-02-22	14°09'25"	03°00'29"	06°46'11"	22°27'10"	19°08'19"	27°04'01"	11°06'49"	04°24'49"	11°40'34"	15°10'48" R	04°51'43"	
1989-02-23	26°01'05"	04°00'53"	07°54'51"	23°42'09"	19°05'55"	27°05'15"	11°12'01"	04°27'05"	11°42'08"	15°10'35" R	04°52'05"	
1989-02-24	07°50'01"	05°01'15"	09°05'32"	24°57'07"	20°03'10"	28°01'39"	11°17'09"	04°29'18"	11°43'41"	15°10'21" R	04°52'26"	
1989-02-25	19°38'53"	06°01'36"	10°18'06"	26°12'05"	21°07'04"	28°08'13"	11°22'14"	04°31'29"	11°45'12"	15°10'04" R	04°52'40"	
1989-02-26	01°30'50"	07°01'55"	11°32'27"	27°27'03"	21°04'03"	28°14'56"	11°27'14"	04°33'37"	11°46'42"	15°09'46" R	04°52'43" R	
1989-02-27	13°09'29"	08°02'13"	12°48'31"	28°42'00"	22°09'06"	28°21'48"	11°32'10"	04°35'43"	11°48'10"	15°09'25" R	04°52'38" R	
1989-02-28	25°38'50"	09°02'29"	14°06'11"	29°56'56"	22°05'50"	28°28'50"	11°37'03"	04°37'46"	11°49'37"	15°09'02" R	04°52'29" R	
1989-02-29	08°03'09"	10°02'44"	15°25'23"	01°11'53"	23°03'17"	28°36'01"	11°41'51"	04°39'46"	11°51'02"	15°08'37" R	04°52'25" R	
1989-03-02	20°46'37"	11°02'57"	16°46'04"	02°26'48"	24°07'26"	28°43'21"	11°46'35"	04°41'44"	11°52'25"	15°08'10" R	04°52'30"	
1989-03-03	03°53'02"	12°03'09"	18°08'11"	03°41'44"	24°04'37"	28°50'50"	11°51'15"	04°43'39"	11°53'47"	15°07'42" R	04°52'48"	
1989-03-04	17°25'15"	13°03'19"	19°31'40"	04°56'39"	25°08'19"	28°58'28"	11°55'50"	04°45'31"	11°55'07"	15°07'11" R	04°53'18"	
1989-03-05	01°24'32"	14°03'28"	20°56'29"	06°11'33"	25°05'07"	29°06'15"	12°00'21"	04°47'21"	11°56'26"	15°06'38" R	04°53'54"	
1989-03-06	15°49'55"	15°03'35"	22°22'36"	07°26'27"	26°03'24"	29°14'10"	12°04'47"	04°49'07"	11°57'42"	15°06'03" R	04°54'25"	
1989-03-07	00°37'43"	16°03'40"	23°49'59"	08°41'20"	27°08'44"	29°22'14"	12°09'09"	04°50'51"	11°58'57"	15°05'26" R	04°54'39" R	
1989-03-08	15°41'27"	17°03'44"	25°18'36"	09°56'12"	27°04'56"	29°30'26"	12°13'26"	04°52'32"	12°00'10"	15°04'47" R	04°54'26" R	
1989-03-09	00°52'28"	18°03'46"	26°48'27"	11°11'03"	28°02'13"	29°38'46"	12°17'39"	04°54'10"	12°01'22"	15°04'06" R	04°53'40" R	
1989-03-10	16°01'06"	19°03'45"	28°19'31"	12°25'54"	28°05'55"	29°47'15"	12°21'47"	04°55'46"	12°02'31"	15°03'23" R	04°52'22" R	
1989-03-11	00°58'08"	20°03'43"	29°51'47"	13°40'44"	29°03'42"	29°55'51"	12°25'50"	04°57'18"	12°03'39"	15°02'39" R	04°50'43" R	
1989-03-12	15°36'07"	21°03'39"	01°25'14"	14°55'33"	00°10'52"	00°10'43"	12°29'48"	04°58'47"	12°04'45"	15°01'52" R	04°48'55" R	
1989-03-13	29°05'11"	22°03'32"	02°59'52"	16°10'21"	00°14'23"	00°13'28"	12°33'41"	05°00'14"	12°05'49"	15°01'04" R	04°47'20" R	
1989-03-14	13°38'15"	23°03'23"	04°35'42"	17°25'09"	01°23'55"	00°22'28"	12°37'30"	05°01'38"	12°06'51"	15°00'14" R	04°46'14" R	
1989-03-15	27°00'42"	24°03'12"	06°12'44"	18°39'55"	02°00'29"	00°31'36"	12°41'13"	05°02'58"	12°07'52"	14°59'22" R	04°45'52"	
1989-03-16	09°59'42"	25°02'59"	07°50'56"	19°54'40"	02°13'04"	00°40'51"	12°44'52"	05°04'16"	12°08'50"	14°58'28" R	04°46'18"	
1989-03-17	22°38'30"	26°02'43"	09°30'22"	21°09'25"	03°13'40"	00°50'13"	12°48'25"	05°05'31"	12°09'47"	14°57'33" R	04°47'25"	
1989-03-18	05°00'49"	27°02'26"	11°10'59"	22°24'08"	03°15'18"	00°59'43"	12°51'54"	05°06'43"	12°10'42"	14°56'36" R	04°48'56"	
1989-03-19	17°01'20"	28°02'06"	12°52'50"	23°38'50"	04°12'56"	01°09'19"	12°55'17"	05°07'51"	12°11'35"	14°55'37" R	04°48'26"	
1989-03-20	29°10'31"	29°01'43"	14°35'55"	24°53'32"	05°03'36"	01°19'02"	12°58'35"	05°08'57"	12°12'26"	14°54'37" R	04°47'24"	
1989-03-21	11°04'25"	00°01'19"	16°20'14"	26°08'12"	05°14'16"	01°28'52"	13°01'48"	05°09'59"	12°13'15"	14°53'34" R	04°46'13" R	
1989-03-22	22°54'41"	01°00'52"	18°05'49"	27°22'51"	06°16'57"	01°38'49"	13°04'56"	05°10'59"	12°14'02"	14°52'31" R	04°45'04" R	
1989-03-23	04°43'37"	02°00'24"	19°52'40"	28°37'30"	06°53'40"	01°48'52"	13°07'58"	05°11'55"	12°14'47"	14°51'25" R	04°44'18" R	
1989-03-24	16°33'15"	02°09'53"	21°40'49"	29°52'08"	07°13'02"	01°59'02"	13°10'55"	05°12'49"	12°15'31"	14°50'18" R	04°43'15" R	
1989-03-25	28°25'29"	03°05'21"	23°30'14"	01°06'44"	08°10'07"	02°09'18"	13°13'47"	05°13'39"	12°16'12"	14°49'10" R	04°42'16" R	
1989-03-26	10°22'20"	04°05'46"	25°20'58"	02°21'20"	08°43'53"	02°19'40"	13°16'33"	05°14'26"	12°16'51"	14°48'00" R	04°41'54" R	
1989-03-27	22°26'01"	05°05'10"	27°13'01"	03°35'56"	09°12'03"	02°30'09"	13°19'14"	05°15'10"	12°17'29"	14°46'48" R	04°41'29" R	
1989-03-28	04°39'10"	06°05'32"	29°06'22"	04°50'30"	09°15'26"	02°40'44"	13°21'50"	05°15'52"	12°18'05"	14°45'36" R	04°40'36" R	
1989-03-29	17°04'45"	07°05'52"	01°01'01"	06°05'04"	10°13'14"	02°51'24"	13°24'20"	05°16'30"	12°18'38"	14°44'21" R	04°40'41" R	
1989-03-30	29°46'34"	08°05'10"	02°56'58"	07°19'37"	11°11'03"	03°02'11"	13°26'44"	05°17'05"	12°19'10"	14°43'06" R	04°39'15" R	
1989-03-31	12°54'6"	09°05'27"	04°54'12"	08°34'09"	11°14'53"	03°13'03"	13°29'03"	05°17'37"	12°19'40"	14°41'49" R	04°38'10" R	
1989-04-01	26°50'23"	10°05'42"	06°52'39"	09°48'40"	12°12'43"	03°24'01"	13°31'17"	05°18'05"	12°20'07"	14°40'31" R	04°37'02" R	
1989-04-02	09°56'58"	11°05'55"	08°52'19"	11°03'10"	13°01'35"	03°35'05"	13°33'24"	05°18'31"	12°20'33"	14°39'11" R	04°36'12" R	
1989-04-03	24°10'21"	12°05'30"	10°53'07"	12°17'40"	13°13'27"	03°46'14"	13°35'26"	05°18'53"	12°20'57"	14°37'50" R	04°35'59" R	
1989-04-04	08°48'18"	13°05'16"	12°54'58"	13°32'08"	14°15'20"	03°57'28"	13°37'22"	05°19'13"	12°21'18"	14°36'28" R	04°35'41" R	
1989-04-05	23°46'35"	14°05'23"	14°57'48"	14°46'36"	14°52'14"	04°08'48"	13°39'13"	05°19'29"	12°21'38"	14°35'05" R	04°35'29" R	
1989-04-06	08°58'02"	15°05'29"	17°01'28"	16°01'03"	15°12'09"	04°12'12"	13°40'57"	05°19'42"	12°21'55"	14°33'40" R	04°35'20" R	
1989-04-07	24°13'05"	16°04'32"	19°05'49"	17°01'58"	16°06'05"	04°13'42"	13°42'36"	05°19'51"	12°22'11"	14°32'14" R	04°34'14" R	
1989-04-08	09°21'12"	17°04'34"	21°01'43"	18°02'53"	16°14'02"	04°14'17"	13°44'09"	05°19'58"	12°22'24"	14°30'47" R	04°33'05" R	
1989-04-09	24°12'39"	18°04'34"	23°01'55"	19°04'17"	17°19'59"	04°15'47"	13°45'36"	05°20'02"	12°22'36"	14°29'20" R	03°35'35" R	
1989-04-10	08°13'59"	19°04'31"	25°02'13"	20°05'39"	17°15'57"	05°16'42"	13°46'58"	05°20'02" R	12°22'46"	14°27'51" R	03°35'32" R	
1989-04-11	22°13'59"	20°04'26"	27°02'21"	22°01'30"	18°13'56"	05°18'31"	13°48'13"	05°20'00" R	12°22'53"	14°26'21" R	03°34'40" R	
1989-04-12	06°08'37"	21°04'19"	29°03'02"	23°02'21"	19°10'55"	05°30'25"	13°49'23"	05°19'54" R	12°22'59"	14°24'51" R	03°34'29" R	
1989-04-13	19°10'38"	22°04'10"	01°34'57"	24°04'14"	19°14'55"	05°42'23"	13°50'27"	05°19'46" R	12°23'03"	14°23'20" R	03°34'06" R	
1989-04-14	01°48'38"	23°04'15"	03°37'46"	25°05'59"	20°12'45"	05°54'26"	13°51'25"	05°19'34" R	12°23'04"	14°21'47" R	03°34'16" R	

Jan 01, 1980 00:00 AM CCT

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1989-04-15	14° 07'13"	24° 40'44"	05° 39'10"	27° 10'15"	21° 11'55"	06° 11'32"	13° 52'17"	05° 19'19"	12° 23'04"	14° 20'14"	03° 44'24"	
1989-04-16	26° 02'11"	25° 03'28"	07° 38'48"	28° 02'31"	21° 11'55"	06° 11'32"	13° 53'03"	05° 19'01"	12° 23'02"	14° 18'40"	03° 45'34"	
1989-04-17	08° 05'41"	26° 03'09"	09° 36'18"	29° 03'45"	22° 11'56"	06° 11'30"	13° 53'43"	05° 18'40"	12° 22'57"	14° 17'05"	03° 45'49"	
1989-04-18	19° 05'45"	27° 03'49"	11° 31'22"	00° 52'58"	22° 11'52"	06° 11'43"	13° 54'17"	05° 18'16"	12° 22'51"	14° 15'30"	03° 44'16"	
1989-04-19	01° 42'17"	28° 03'26"	13° 23'40"	02° 07'10"	23° 11'59"	06° 11'55"	13° 54'45"	05° 17'49"	12° 22'43"	14° 13'54"	03° 40'18"	
1989-04-20	13° 31'20"	29° 03'40"	15° 12'54"	03° 21'21"	24° 11'07"	07° 11'08"	13° 55'07"	05° 17'19"	12° 22'32"	14° 12'17"	03° 33'42"	
1989-04-21	25° 24'20"	00° 32'34"	16° 58'49"	04° 35'31"	24° 11'44"	07° 11'30"	13° 55'24"	05° 16'46"	12° 22'20"	14° 10'39"	03° 24'44"	
1989-04-22	07° 02'03"	01° 31'06"	18° 34'08"	05° 34'09"	25° 11'05"	07° 11'33"	13° 55'34"	05° 16'11"	12° 22'06"	14° 09'02"	03° 14'03"	
1989-04-23	19° 28'51"	02° 29'35"	20° 19'40"	07° 03'47"	25° 11'58"	07° 11'45"	13° 55'39"	05° 15'32"	12° 21'50"	14° 07'23"	03° 02'40"	
1989-04-24	01° 42'56"	03° 28'03"	21° 54'12"	08° 17'54"	26° 11'35"	07° 11'58"	13° 55'38"	05° 14'50"	12° 21'32"	14° 05'45"	02° 51'41"	
1989-04-25	14° 06'30"	04° 26'29"	23° 24'35"	09° 32'00"	27° 11'12"	08° 11'11"	13° 55'31"	05° 14'06"	12° 21'13"	14° 04'05"	02° 42'08"	
1989-04-26	26° 41'01"	05° 24'53"	24° 50'39"	10° 46'05"	27° 11'49"	08° 11'23"	13° 55'19"	05° 13'19"	12° 20'51"	14° 02'26"	02° 34'47"	
1989-04-27	09° 28'19"	06° 23'16"	26° 12'17"	12° 00'09"	28° 11'26"	08° 11'36"	13° 55'00"	05° 12'29"	12° 20'28"	14° 00'46"	02° 29'59"	
1989-04-28	22° 30'33"	07° 21'37"	27° 02'22"	13° 14'12"	29° 11'03"	08° 11'49"	13° 54'36"	05° 11'36"	12° 20'02"	13° 59'06"	02° 27'34"	
1989-04-29	05° 50'07"	08° 19'57"	28° 04'14"	14° 28'14"	29° 11'40"	09° 11'02"	13° 54'05"	05° 10'40"	12° 19'35"	13° 57'25"	02° 26'58"	
1989-04-30	19° 29'20"	09° 18'15"	29° 49'30"	15° 42'16"	00° 17'35"	09° 11'15"	13° 53'29"	05° 09'42"	12° 19'06"	13° 55'44"	02° 27'11"	
1989-05-01	03° 29'52"	10° 16'31"	00° 52'22"	16° 56'16"	00° 54'40"	09° 11'28"	13° 52'47"	05° 08'40"	12° 18'35"	13° 54'03"	02° 27'09"	
1989-05-02	17° 51'59"	11° 14'46"	01° 50'21"	18° 10'16"	01° 31'46"	09° 11'41"	13° 51'59"	05° 07'36"	12° 18'02"	13° 52'22"	02° 25'48"	
1989-05-03	02° 33'39"	12° 13'00"	02° 43'22"	19° 24'14"	02° 08'52"	09° 11'54"	13° 51'05"	05° 06'29"	12° 17'27"	13° 50'41"	02° 22'22"	
1989-05-04	17° 03'05"	13° 11'12"	03° 31'22"	20° 38'12"	02° 45'58"	10° 11'08"	13° 50'06"	05° 05'20"	12° 16'51"	13° 48'59"	02° 16'31"	
1989-05-05	02° 33'46"	14° 09'22"	04° 11'17"	21° 52'09"	03° 23'05"	10° 11'18"	13° 49'00"	05° 04'07"	12° 16'12"	13° 47'18"	02° 08'23"	
1989-05-06	17° 35'20"	15° 07'31"	04° 52'03"	23° 06'05"	04° 00'13"	10° 11'34"	13° 47'50"	05° 02'53"	12° 15'32"	13° 45'36"	01° 58'35"	
1989-05-07	02° 25'03"	16° 05'38"	05° 24'39"	24° 20'00"	04° 37'20"	10° 11'47"	13° 46'33"	05° 01'35"	12° 14'51"	13° 43'55"	01° 48'03"	
1989-05-08	16° 54'30"	17° 03'44"	05° 52'03"	25° 33'54"	05° 14'29"	11° 11'01"	13° 45'11"	05° 00'16"	12° 14'07"	13° 42'14"	01° 37'55"	
1989-05-09	00° 57'54"	18° 01'47"	06° 14'13"	26° 47'47"	05° 51'37"	11° 11'14"	13° 43'44"	04° 58'53"	12° 13'22"	13° 40'33"	01° 29'12"	
1989-05-10	14° 32'37"	18° 59'49"	06° 31'11"	28° 01'39"	06° 28'46"	11° 11'28"	13° 42'10"	04° 57'29"	12° 12'36"	13° 38'52"	01° 22'40"	
1989-05-11	27° 39'08"	19° 57'50"	06° 42'58"	29° 15'30"	07° 05'55"	11° 11'41"	13° 40'32"	04° 56'02"	12° 11'47"	13° 37'11"	01° 18'35"	
1989-05-12	10° 20'17"	20° 55'48"	06° 49'38"	00° 29'19"	07° 43'04"	11° 11'54"	13° 38'48"	04° 54'32"	12° 10'57"	13° 35'30"	01° 16'46"	
1989-05-13	22° 40'27"	21° 53'44"	06° 51'15"	01° 43'08"	08° 20'13"	12° 11'08"	13° 36'58"	04° 53'00"	12° 10'05"	13° 33'50"	01° 16'30"	
1989-05-14	04° 44'48"	22° 51'39"	06° 47'59"	02° 56'55"	08° 57'22"	12° 11'19"	13° 35'04"	04° 51'26"	12° 09'12"	13° 32'10"	01° 16'44"	
1989-05-15	16° 38'46"	23° 49'31"	06° 40'00"	04° 10'41"	09° 34'32"	12° 11'35"	13° 33'04"	04° 49'49"	12° 08'17"	13° 30'31"	01° 16'15"	
1989-05-16	28° 27'32"	24° 47'22"	06° 27'32"	05° 24'26"	10° 11'41"	12° 11'49"	13° 30'58"	04° 48'10"	12° 07'20"	13° 28'52"	01° 13'56"	
1989-05-17	10° 15'51"	25° 45'11"	06° 10'51"	06° 38'10"	10° 48'51"	13° 11'02"	13° 28'48"	04° 46'29"	12° 06'22"	13° 27'13"	01° 08'57"	
1989-05-18	22° 07'40"	26° 42'59"	05° 50'18"	07° 51'52"	11° 26'00"	13° 11'16"	13° 26'33"	04° 44'46"	12° 05'22"	13° 25'35"	01° 00'57"	
1989-05-19	04° 06'08"	27° 40'45"	05° 26'15"	09° 05'34"	12° 03'10"	13° 11'30"	13° 24'12"	04° 43'01"	12° 04'21"	13° 23'57"	00° 50'09"	
1989-05-20	16° 13'26"	28° 38'30"	04° 59'10"	10° 19'15"	12° 40'20"	13° 11'43"	13° 21'47"	04° 41'14"	12° 03'19"	13° 22'20"	00° 37'14"	
1989-05-21	28° 30'58"	29° 36'13"	04° 29'31"	11° 32'54"	13° 17'30"	13° 11'57"	13° 19'17"	04° 39'25"	12° 02'15"	13° 20'43"	00° 23'21"	
1989-05-22	10° 59'24"	00° 33'55"	03° 57'50"	12° 46'33"	13° 54'40"	14° 11'13"	13° 16'42"	04° 37'34"	12° 01'09"	13° 19'08"	00° 09'45"	
1989-05-23	23° 38'58"	01° 31'36"	03° 24'42"	14° 00'11"	14° 31'51"	14° 11'58"	13° 14'03"	04° 35'41"	12° 00'03"	13° 17'33"	29° 57'42"	
1989-05-24	06° 29'44"	02° 29'15"	02° 50'40"	15° 13'47"	15° 09'01"	14° 11'38"	13° 11'19"	04° 33'46"	11° 58'55"	13° 15'58"	29° 48'08"	
1989-05-25	19° 31'49"	03° 26'54"	02° 16'22"	16° 27'23"	15° 46'12"	14° 11'52"	13° 08'30"	04° 31'49"	11° 57'46"	13° 14'25"	29° 41'31"	
1989-05-26	02° 45'41"	04° 24'31"	01° 42'23"	17° 40'58"	16° 23'23"	15° 11'06"	13° 05'37"	04° 29'51"	11° 56'35"	13° 12'52"	29° 37'48"	
1989-05-27	16° 12'11"	05° 22'08"	01° 09'18"	18° 54'33"	17° 00'35"	15° 11'20"	13° 02'39"	04° 27'51"	11° 55'23"	13° 11'20"	29° 36'23"	
1989-05-28	29° 52'25"	06° 19'43"	00° 37'41"	20° 08'06"	17° 37'46"	15° 11'34"	12° 59'37"	04° 25'49"	11° 54'09"	13° 09'48"	29° 36'15"	
1989-05-29	13° 47'24"	07° 17'17"	00° 08'03"	21° 21'38"	18° 14'58"	15° 11'47"	12° 56'30"	04° 23'45"	11° 52'55"	13° 08'18"	29° 36'12"	
1989-05-30	27° 57'29"	08° 14'51"	29° 40'54"	22° 35'10"	18° 52'10"	16° 11'43"	12° 53'20"	04° 21'40"	11° 51'39"	13° 06'48"	29° 35'04"	
1989-05-31	12° 21'37"	09° 12'24"	29° 16'39"	23° 48'41"	19° 29'23"	16° 11'36"	12° 50'05"	04° 19'33"	11° 50'22"	13° 05'19"	29° 31'54"	
1989-06-01	26° 56'56"	10° 09'56"	28° 55'42"	25° 02'11"	20° 06'36"	16° 11'29"	12° 46'46"	04° 17'24"	11° 49'04"	13° 03'52"	29° 26'16"	
1989-06-02	11° 38'22"	11° 07'27"	28° 38'21"	26° 15'40"	20° 43'49"	16° 11'43"	12° 43'23"	04° 15'15"	11° 47'44"	13° 02'25"	29° 26'10"	
1989-06-03	26° 19'10"	12° 04'58"	28° 24'52"	27° 29'09"	21° 21'03"	16° 11'57"	12° 39'57"	04° 13'04"	11° 46'24"	13° 01'00"	29° 26'08"	
1989-06-04	10° 51'41"	13° 02'27"	28° 15'29"	28° 42'37"	21° 58'18"	17° 11'11"	12° 36'27"	04° 10'52"	11° 45'03"	12° 59'35"	28° 57'13"	
1989-06-05	25° 08'37"	13° 59'56"	28° 01'22"	29° 56'03"	22° 35'33"	17° 11'25"	12° 32'53"	04° 08'38"	11° 43'41"	12° 58'12"	28° 46'27"	
1989-06-06	09° 04'19"	14° 57'24"	28° 09'36"	01° 09'29"	23° 12'48"	17° 11'39"	12° 29'16"	04° 06'23"	11° 42'17"	12° 56'50"	28° 36'59"	

Jan 01, 1980 00:00 AM CCT

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1989-06-07	22°☾35'28"	15°♀54'51"	28°♂13'18"	02°☾22'54"	23°☾50'03"	17°♀52'56"	12°♂25'35"R _x	04°♂04'08"R _x	11°♂40'53"R _x	12°♂55'29"R _x	28°♂29'39"R _x	
1989-06-08	05°♂41'23"	16°♀52'16"	28°♂21'29"	03°☾36'18"	24°☾27'19"	18°♀06'51"	12°♂21'52"R _x	04°♂01'51"R _x	11°♂39'28"R _x	12°♂54'09"R _x	28°♂24'53"R _x	
1989-06-09	18°♂23'41"	17°♀49'41"	28°♂34'10"	04°☾49'41"	25°☾04'35"	18°♀20'46"	12°♂18'05"R _x	03°♂59'32"R _x	11°♂38'02"R _x	12°♂52'51"R _x	28°♂22'37"R _x	
1989-06-10	00°♀45'44"	18°♀47'04"	28°♂51'21"	06°☾03'03"	25°☾41'51"	18°♀34'41"	12°♂14'14"R _x	03°♂57'13"R _x	11°♂36'35"R _x	12°♂51'34"R _x	28°♂22'17"	
1989-06-11	12°♀52'05"	19°♀44'26"	29°♂12'58"	07°☾16'23"	26°☾19'08"	18°♀48'35"	12°♂10'21"R _x	03°♂54'53"R _x	11°♂35'07"R _x	12°♂50'18"R _x	28°♂22'54"	
1989-06-12	24°♀47'52"	20°♀41'47"	29°♂39'00"	08°☾29'42"	26°☾56'24"	19°♀02'30"	12°♂06'25"R _x	03°♂52'33"R _x	11°♂33'38"R _x	12°♂49'03"R _x	28°♂23'22"R _x	
1989-06-13	06°♂38'26"	21°♀39'08"	00°♀09'23"	09°☾43'01"	27°☾33'41"	19°♀16'24"	12°♂02'27"R _x	03°♂50'11"R _x	11°♂32'08"R _x	12°♂47'50"R _x	28°♂22'33"R _x	
1989-06-14	18°♂28'56"	22°♀36'27"	00°♀44'03"	10°☾56'18"	28°☾10'58"	19°♀30'17"	11°♂58'26"R _x	03°♂47'49"R _x	11°♂30'38"R _x	12°♂46'38"R _x	28°♂19'37"R _x	
1989-06-15	00°♀24'06"	23°♀33'45"	01°♀22'54"	12°☾09'33"	28°☾48'15"	19°♀44'10"	11°♂54'22"R _x	03°♂45'26"R _x	11°♂29'07"R _x	12°♂45'27"R _x	28°♂14'06"R _x	
1989-06-16	12°♂27'50"	24°♀31'03"	02°♀05'54"	13°☾22'48"	29°☾25'33"	19°♀58'03"	11°♂50'16"R _x	03°♂43'02"R _x	11°♂27'36"R _x	12°♂44'19"R _x	28°♂06'05"R _x	
1989-06-17	24°♂43'11"	25°♀28'20"	02°♀52'56"	14°☾36'02"	00°♂02'51"	20°♀11'55"	11°♂46'09"R _x	03°♂40'38"R _x	11°♂26'04"R _x	12°♂43'11"R _x	27°♂56'05"R _x	
1989-06-18	07°♂12'05"	26°♀25'36"	03°♀43'57"	15°☾49'14"	00°♂40'09"	20°♀25'47"	11°♂41'59"R _x	03°♂38'13"R _x	11°♂24'31"R _x	12°♂42'05"R _x	27°♂45'03"R _x	
1989-06-19	19°♂55'28"	27°♀22'52"	04°♀38'52"	17°☾02'25"	01°♂17'27"	20°♀39'38"	11°♂37'47"R _x	03°♂35'48"R _x	11°♂22'58"R _x	12°♂41'01"R _x	27°♂34'04"R _x	
1989-06-20	02°♂53'15"	28°♀20'07"	05°♀37'37"	18°☾15'36"	01°♂54'46"	20°♀53'28"	11°♂33'33"R _x	03°♂33'23"R _x	11°♂21'24"R _x	12°♂39'58"R _x	27°♂24'15"R _x	
1989-06-21	16°♂50'43"	29°♀17'21"	06°♀40'09"	19°☾28'45"	02°♂32'05"	21°♀07'18"	11°♂29'18"R _x	03°♂30'58"R _x	11°♂19'50"R _x	12°♂38'57"R _x	27°♂16'28"R _x	
1989-06-22	29°♂28'08"	00°☾14'35"	07°♀46'23"	20°☾41'53"	03°♂09'25"	21°♀21'06"	11°♂25'01"R _x	03°♂28'32"R _x	11°♂18'16"R _x	12°♂37'57"R _x	27°♂11'12"R _x	
1989-06-23	13°♂02'27"	01°☾11'49"	08°♀56'18"	21°☾54'59"	03°♂46'45"	21°♀34'54"	11°♂20'42"R _x	03°♂26'06"R _x	11°♂16'41"R _x	12°♂36'59"R _x	27°♂08'29"R _x	
1989-06-24	26°♂46'18"	02°☾09'03"	10°♀09'49"	23°☾08'05"	04°♂24'05"	21°♀48'40"	11°♂16'22"R _x	03°♂23'39"R _x	11°♂15'05"R _x	12°♂36'03"R _x	27°♂07'52"	
1989-06-25	10°♂38'47"	03°☾06'16"	11°♀26'54"	24°☾21'10"	05°♂01'26"	22°♀02'26"	11°♂12'01"R _x	03°♂21'13"R _x	11°♂13'29"R _x	12°♂35'08"R _x	27°♂08'33"	
1989-06-26	24°♂39'11"	04°☾03'30"	12°♀47'31"	25°☾34'14"	05°♂38'47"	22°♀16'10"	11°♂07'39"R _x	03°♂18'46"R _x	11°♂11'53"R _x	12°♂34'14"R _x	27°♂09'32"	
1989-06-27	08°♀46'45"	05°☾00'43"	14°♀11'37"	26°☾47'16"	06°♂16'09"	22°♀29'53"	11°♂03'15"R _x	03°♂16'20"R _x	11°♂10'16"R _x	12°♂33'23"R _x	27°♂09'50"R _x	
1989-06-28	23°♀00'13"	05°☾57'56"	15°♀39'11"	28°☾00'18"	06°♂53'31"	22°♀43'35"	10°♂58'51"R _x	03°♂13'53"R _x	11°♂08'40"R _x	12°♂32'33"R _x	27°♂08'39"R _x	
1989-06-29	07°♂17'31"	06°☾55'10"	17°♀10'09"	29°☾13'19"	07°♂30'54"	22°♀57'16"	10°♂54'26"R _x	03°♂11'27"R _x	11°♂07'03"R _x	12°♂31'45"R _x	27°♂05'32"R _x	
1989-06-30	21°♂35'30"	07°☾52'24"	18°♀44'29"	00°♂26'18"	08°♂08'18"	23°♀10'56"	10°♂50'01"R _x	03°♂09'01"R _x	11°♂05'26"R _x	12°♂30'58"R _x	27°♂00'27"R _x	
1989-07-01	05°♀50'06"	08°☾49'38"	20°♀22'07"	01°♂39'17"	08°♂45'42"	23°♀24'34"	10°♂45'35"R _x	03°♂06'35"R _x	11°♂03'49"R _x	12°♂30'14"R _x	26°♂53'46"R _x	
1989-07-02	19°♀56'37"	09°☾46'51"	22°♀03'01"	02°♂52'15"	09°♂23'07"	23°♀38'10"	10°♂41'10"R _x	03°♂04'10"R _x	11°♂02'11"R _x	12°♂29'31"R _x	26°♂46'13"R _x	
1989-07-03	03°☾50'21"	10°☾44'05"	23°♀47'05"	04°♂05'12"	10°♂00'33"	23°♀51'45"	10°♂36'43"R _x	03°♂01'45"R _x	11°♂00'34"R _x	12°♂28'51"R _x	26°♂38'40"R _x	
1989-07-04	17°☾27'19"	11°☾41'19"	25°♀34'15"	05°♂18'07"	10°♂37'59"	24°♀05'18"	10°♂32'17"R _x	02°♂59'21"R _x	11°♂58'57"R _x	12°♂28'12"R _x	26°♂32'01"R _x	
1989-07-05	00°♂44'55"	12°☾38'33"	27°♀24'22"	06°♂31'02"	11°♂15'26"	24°♀18'50"	10°♂27'51"R _x	02°♂56'57"R _x	10°♂57'20"R _x	12°♂27'35"R _x	26°♂26'59"R _x	
1989-07-06	13°♂42'10"	13°☾35'47"	29°♀17'21"	07°♂43'54"	11°♂52'54"	24°♀32'19"	10°♂23'26"R _x	02°♂54'33"R _x	10°♂55'42"R _x	12°♂26'59"R _x	26°♂23'56"R _x	
1989-07-07	26°♂19'51"	14°☾33'00"	01°☾13'01"	08°♂56'46"	12°♂30'22"	24°♀45'46"	10°♂19'00"R _x	02°♂52'11"R _x	10°♂54'05"R _x	12°♂26'26"R _x	26°♂22'55"R _x	
1989-07-08	08°♀40'13"	15°☾30'13"	03°☾11'11"	10°♂09'36"	13°♂07'50"	24°♀59'12"	10°♂14'36"R _x	02°♂49'48"R _x	10°♂52'28"R _x	12°♂25'54"R _x	26°♂23'33"	
1989-07-09	20°♀46'39"	16°☾27'27"	05°☾11'38"	11°♂22'25"	13°♂45'19"	25°♀12'35"	10°♂10'12"R _x	02°♂47'27"R _x	10°♂50'51"R _x	12°♂25'25"R _x	26°♂25'13"	
1989-07-10	02°♂43'25"	17°☾24'40"	07°☾14'09"	12°♂35'12"	14°♂22'48"	25°♀25'56"	10°♂05'48"R _x	02°♂45'06"R _x	10°♂49'14"R _x	12°♂24'57"R _x	26°♂27'06"	
1989-07-11	14°♂35'13"	18°☾21'53"	09°☾18'27"	13°♂47'57"	15°♂00'18"	25°♀39'15"	10°♂01'26"R _x	02°♂42'47"R _x	10°♂47'38"R _x	12°♂24'31"R _x	26°♂28'25"	
1989-07-12	26°♂27'05"	19°☾19'05"	11°☾24'16"	15°♂00'41"	15°♂37'49"	25°♀52'32"	09°♂57'05"R _x	02°♂40'28"R _x	10°♂46'02"R _x	12°♂24'07"R _x	26°♂28'30"R _x	
1989-07-13	08°♂23'56"	20°☾16'18"	13°☾31'18"	16°♂13'24"	16°♂15'20"	26°♀05'46"	09°♂52'45"R _x	02°♂38'11"R _x	10°♂44'26"R _x	12°♂23'45"R _x	26°♂27'00"R _x	
1989-07-14	20°♂30'21"	21°☾13'31"	15°☾39'15"	17°♂26'04"	16°♂52'52"	26°♀18'57"	09°♂48'26"R _x	02°♂35'54"R _x	10°♂42'50"R _x	12°♂23'25"R _x	26°♂23'53"R _x	
1989-07-15	02°♂50'14"	22°☾10'44"	17°☾47'49"	18°♂38'43"	17°♂30'24"	26°♀32'07"	09°♂44'09"R _x	02°♂33'39"R _x	10°♂41'15"R _x	12°♂23'07"R _x	26°♂19'25"R _x	
1989-07-16	15°♂26'33"	23°☾07'57"	19°☾56'42"	19°♂51'21"	18°♂07'57"	26°♀45'14"	09°♂39'54"R _x	02°♂31'24"R _x	10°♂39'41"R _x	12°♂22'52"R _x	26°♂14'10"R _x	
1989-07-17	28°♂21'07"	24°☾05'11"	22°☾05'36"	21°♂03'57"	18°♂45'30"	26°♀58'18"	09°♂35'41"R _x	02°♂29'11"R _x	10°♂38'07"R _x	12°♂22'38"R _x	26°♂08'48"R _x	
1989-07-18	11°♂34'24"	25°☾02'24"	24°☾14'15"	22°♂16'31"	19°♂23'04"	27°♀11'19"	09°♂31'29"R _x	02°♂27'00"R _x	10°♂36'33"R _x	12°♂22'26"R _x	26°♂03'59"R _x	
1989-07-19	25°♂05'34"	25°☾59'38"	26°☾22'25"	23°♂29'03"	20°♂00'39"	27°♀24'18"	09°♂27'19"R _x	02°♂24'49"R _x	10°♂35'00"R _x	12°♂22'16"R _x	26°♂00'16"R _x	
1989-07-20	08°♂52'31"	26°☾56'52"	28°☾29'52"	24°♂41'33"	20°♂38'14"	27°♀37'14"	09°♂23'12"R _x	02°♂22'40"R _x	10°♂33'28"R _x	12°♂22'08"R _x	25°♂57'58"R _x	
1989-07-21	22°♂52'11"	27°☾54'07"	00°♂36'25"	25°♂54'02"	21°♂15'50"	27°♀50'07"	09°♂19'06"R _x	02°♂20'33"R _x	10°♂31'55"R _x	12°♂22'02"R _x	25°♂57'06"R _x	
1989-07-22	07°♂01'05"	28°☾51'23"	02°♂41'54"	27°♂06'29"	21°♂53'27"	28°♀02'56"	09°♂15'03"R _x	02°♂18'26"R _x	10°♂30'24"R _x	12°♂21'58"R _x	25°♂57'26"	
1989-07-23	21°♂15'38"	29°☾48'39"	04°♂46'10"	28°♂18'54"	22°♂31'05"	28°♀15'43"	09°♂11'02"R _x	02°♂16'22"R _x	10°♂28'53"R _x	12°♂21'56"R _x	25°♂58'31"	
1989-07-24	05°♀32'30"	00°♂45'56"	06°♂49'06"	29°♂31'17"	23°♂08'43"	28°♀28'27"	09°♂07'04"R _x	02°♂14'18"R _x	10°♂27'23"R _x	12°♂21'56"	25°♂59'50"	
1989-07-25	19°♀48'48"	01°♂43'13"	08°♂50'36"	00°♀43'39"	23°♂46'22"	28°♀41'07"	09°♂03'09"R _x	02°♂12'17"R _x	10°♂25'54"R _x	12°♂21'58"	26°♂00'50"	
1989-07-26	04°♂02'02"	02°♂40'32"	10°♂50'37"	01°♀55'59"	24°♂24'02"	28°♀53'45"	08°♂59'16"R _x	02°♂10'17"R _x	10°♂24'25"R _x	12°♂22'03"	26°♂01'06"R _x	
1989-07-27	18°♂09'58"	03°♂37'52"	12°♂49'05"	03°♀08'18"	25°♂01'44"	29°♀06'19"	08°♂55'26"R _x	02°♂08'19"R _x	10°♂22'57"R _x	12°♂22'09"	26°♂00'23"R _x	
1989-07-28	02°♀10'33"	04°♂35'13"	14°♂45'57"	04°♀20'34"	25°♂39'26"	29°♀18'49"	08°♂51'39"R _x	02°♂06'23"R _x	10°♂21'30"R _x	12°♂22'17"	25°♂58'43"R _x	
1989-07-29	16°♀01'48"	05°♂32'35"	16°♂41'13"	05°♀32'50"	26°♂17'09"	29°♀31'16"	08°♂47'56"R _x	02°♂04'28"R _x	10°♂20'04"R _x	12°♂22'28"	25°♂56'17"R _x	

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1989-07-30	29°Ⅱ41'53"	06°Ⅱ29'58"	18°Ⅱ34'49"	06°Ⅱ45'03"	26°Ⅱ54'53"	29°Ⅱ43'40"	08°Ⅲ54'16" R _x	02°Ⅲ02'36" R _x	10°Ⅲ18'39" R _x	12°Ⅲ22'40"	25°Ⅲ53'27" R _x	
1989-07-31	13°Ⅲ09'03"	07°Ⅱ27'21"	20°Ⅱ26'47"	07°Ⅱ57'15"	27°Ⅱ32'38"	29°Ⅱ56'00"	08°Ⅲ40'39" R _x	02°Ⅲ00'45" R _x	10°Ⅲ17'15" R _x	12°Ⅲ22'55"	25°Ⅲ50'37" R _x	
1989-08-01	26°Ⅲ21'52"	08°Ⅱ24'46"	22°Ⅱ17'06"	09°Ⅱ09'25"	28°Ⅱ10'24"	00°Ⅲ08'16"	08°Ⅲ37'05" R _x	01°Ⅲ58'56" R _x	10°Ⅲ15'52" R _x	12°Ⅲ23'11"	25°Ⅲ48'13" R _x	
1989-08-02	09°Ⅱ19'25"	09°Ⅱ22'12"	24°Ⅱ05'46"	10°Ⅱ21'32"	28°Ⅱ48'11"	00°Ⅲ20'28"	08°Ⅲ33'35" R _x	01°Ⅲ57'10" R _x	10°Ⅲ14'29" R _x	12°Ⅲ23'30"	25°Ⅲ46'32" R _x	
1989-08-03	22°Ⅱ01'30"	10°Ⅱ19'38"	25°Ⅱ52'47"	11°Ⅱ33'38"	29°Ⅱ25'59"	00°Ⅲ32'35"	08°Ⅲ30'09" R _x	01°Ⅲ55'25" R _x	10°Ⅲ13'08" R _x	12°Ⅲ23'51"	25°Ⅲ45'43" R _x	
1989-08-04	04°Ⅱ28'49"	11°Ⅱ17'05"	27°Ⅱ38'10"	12°Ⅱ45'42"	00°Ⅱ03'48"	00°Ⅲ44'39"	08°Ⅲ26'47" R _x	01°Ⅲ53'42" R _x	10°Ⅲ11'48" R _x	12°Ⅲ24'13"	25°Ⅲ45'45"	
1989-08-05	16°Ⅱ42'54"	12°Ⅱ14'33"	29°Ⅱ21'55"	13°Ⅱ57'44"	00°Ⅱ41'38"	00°Ⅲ56'39"	08°Ⅲ23'28" R _x	01°Ⅲ52'02" R _x	10°Ⅲ10'29" R _x	12°Ⅲ24'38"	25°Ⅲ46'27"	
1989-08-06	28°Ⅱ46'09"	13°Ⅱ12'02"	01°Ⅱ04'02"	15°Ⅱ09'43"	15°Ⅱ09'43"	01°Ⅱ19'28"	01°Ⅲ08'34"	08°Ⅲ20'14" R _x	01°Ⅲ50'23" R _x	10°Ⅲ09'10" R _x	12°Ⅲ25'05"	25°Ⅲ47'34"
1989-08-07	10°Ⅲ41'39"	14°Ⅱ09'32"	02°Ⅱ44'33"	16°Ⅱ21'40"	01°Ⅱ57'20"	01°Ⅲ20'25"	08°Ⅲ17'03" R _x	01°Ⅲ48'47" R _x	10°Ⅲ07'53" R _x	12°Ⅲ25'34"	25°Ⅲ48'48"	
1989-08-08	22°Ⅲ33'07"	15°Ⅱ07'02"	04°Ⅱ23'28"	17°Ⅱ33'35"	02°Ⅱ35'12"	01°Ⅲ32'12"	08°Ⅲ13'57" R _x	01°Ⅲ47'13" R _x	10°Ⅲ06'38" R _x	12°Ⅲ26'04"	25°Ⅲ49'52"	
1989-08-09	04°Ⅲ24'45"	16°Ⅱ04'33"	06°Ⅱ00'47"	18°Ⅱ45'27"	03°Ⅱ13'06"	01°Ⅲ43'54"	08°Ⅲ10'55" R _x	01°Ⅲ45'42" R _x	10°Ⅲ05'23" R _x	12°Ⅲ26'37"	25°Ⅲ50'35"	
1989-08-10	16°Ⅲ21'08"	17°Ⅱ02'05"	07°Ⅱ36'31"	19°Ⅱ57'17"	03°Ⅱ51'00"	01°Ⅲ55'31"	08°Ⅲ07'58" R _x	01°Ⅲ44'13" R _x	10°Ⅲ04'10" R _x	12°Ⅲ27'12"	25°Ⅲ50'53"	
1989-08-11	28°Ⅲ26'57"	17°Ⅱ59'38"	09°Ⅱ10'39"	21°Ⅱ09'04"	04°Ⅱ28'55"	02°Ⅲ07'04"	08°Ⅲ05'05" R _x	01°Ⅲ42'46" R _x	10°Ⅲ02'58" R _x	12°Ⅲ27'49"	25°Ⅲ50'49" R _x	
1989-08-12	10°Ⅳ46'40"	18°Ⅱ57'12"	10°Ⅱ43'11"	22°Ⅱ20'49"	05°Ⅱ06'52"	02°Ⅲ18'32"	08°Ⅲ02'16" R _x	01°Ⅲ41'22" R _x	10°Ⅲ01'47" R _x	12°Ⅲ28'29"	25°Ⅲ50'30" R _x	
1989-08-13	23°Ⅳ24'17"	19°Ⅱ54'47"	12°Ⅱ14'08"	23°Ⅱ32'31"	05°Ⅱ44'49"	02°Ⅲ29'55"	07°Ⅲ59'33" R _x	01°Ⅲ40'00" R _x	10°Ⅲ00'38" R _x	12°Ⅲ29'10"	25°Ⅲ50'04" R _x	
1989-08-14	06°Ⅳ22'50"	20°Ⅱ52'23"	13°Ⅱ43'29"	24°Ⅱ44'11"	06°Ⅱ22'47"	02°Ⅲ41'13"	07°Ⅳ56'54" R _x	01°Ⅳ38'41" R _x	09°Ⅳ59'30" R _x	12°Ⅲ29'53"	25°Ⅳ49'42" R _x	
1989-08-15	19°Ⅳ44'08"	21°Ⅱ50'00"	15°Ⅱ11'12"	25°Ⅱ55'48"	07°Ⅱ00'46"	02°Ⅲ52'27"	07°Ⅳ54'19" R _x	01°Ⅳ37'25" R _x	09°Ⅳ58'24" R _x	12°Ⅲ30'38"	25°Ⅳ49'28" R _x	
1989-08-16	03°Ⅳ28'22"	22°Ⅱ47'37"	16°Ⅱ37'18"	27°Ⅱ07'22"	07°Ⅱ38'46"	03°Ⅲ03'35"	07°Ⅳ51'50" R _x	01°Ⅳ36'10" R _x	09°Ⅳ57'18" R _x	12°Ⅲ31'25"	25°Ⅳ49'25"	
1989-08-17	17°Ⅳ33'50"	23°Ⅱ45'16"	18°Ⅱ01'44"	28°Ⅱ18'53"	08°Ⅱ16'48"	03°Ⅲ14'38"	07°Ⅳ49'25" R _x	01°Ⅳ34'59" R _x	09°Ⅳ56'15" R _x	12°Ⅲ32'14"	25°Ⅳ49'29"	
1989-08-18	01°Ⅳ56'55"	24°Ⅱ42'56"	19°Ⅱ24'29"	29°Ⅱ30'21"	08°Ⅱ54'50"	03°Ⅲ25'35"	07°Ⅳ47'05" R _x	01°Ⅳ33'50" R _x	09°Ⅳ55'12" R _x	12°Ⅲ33'05"	25°Ⅳ49'35"	
1989-08-19	16°Ⅳ32'21"	25°Ⅱ40'38"	20°Ⅱ45'32"	00°Ⅲ41'46"	09°Ⅱ32'53"	03°Ⅲ36'28"	07°Ⅳ44'50" R _x	01°Ⅳ32'43" R _x	09°Ⅳ54'11" R _x	12°Ⅲ33'58"	25°Ⅳ49'35" R _x	
1989-08-20	01°Ⅳ13'51"	26°Ⅱ38'21"	22°Ⅱ04'50"	01°Ⅲ53'09"	10°Ⅱ10'57"	03°Ⅲ47'14"	07°Ⅳ42'40" R _x	01°Ⅳ31'39" R _x	09°Ⅳ53'12" R _x	12°Ⅲ34'53"	25°Ⅳ49'26" R _x	
1989-08-21	15°Ⅳ54'54"	27°Ⅱ36'05"	23°Ⅱ22'20"	03°Ⅲ04'28"	10°Ⅱ49'03"	03°Ⅲ57'56"	07°Ⅳ40'35" R _x	01°Ⅳ30'38" R _x	09°Ⅳ52'14" R _x	12°Ⅲ35'49"	25°Ⅳ49'05" R _x	
1989-08-22	00°Ⅳ29'35"	28°Ⅱ33'51"	24°Ⅱ38'00"	04°Ⅲ15'45"	11°Ⅱ27'10"	04°Ⅲ08'31"	07°Ⅳ38'36" R _x	01°Ⅳ29'39" R _x	09°Ⅳ51'17" R _x	12°Ⅲ36'48"	25°Ⅳ48'35" R _x	
1989-08-23	14°Ⅳ53'08"	29°Ⅱ31'39"	25°Ⅱ51'46"	05°Ⅲ26'59"	12°Ⅱ05'18"	04°Ⅲ19'01"	07°Ⅳ36'41" R _x	01°Ⅳ28'44" R _x	09°Ⅳ50'22" R _x	12°Ⅲ37'49"	25°Ⅳ48'02" R _x	
1989-08-24	29°Ⅳ02'15"	00°Ⅱ29'28"	27°Ⅱ03'34"	06°Ⅲ38'10"	12°Ⅱ43'27"	04°Ⅲ29'26"	07°Ⅳ34'52" R _x	01°Ⅳ27'51" R _x	09°Ⅳ49'29" R _x	12°Ⅲ38'51"	25°Ⅳ47'37" R _x	
1989-08-25	12°Ⅳ55'09"	01°Ⅱ27'20"	28°Ⅱ13'19"	07°Ⅲ49'19"	13°Ⅱ21'38"	04°Ⅲ39'44"	07°Ⅳ33'09" R _x	01°Ⅳ27'01" R _x	09°Ⅳ48'37" R _x	12°Ⅲ39'56"	25°Ⅳ47'27"	
1989-08-26	26°Ⅳ31'17"	02°Ⅱ25'13"	29°Ⅱ20'56"	09°Ⅲ00'24"	13°Ⅱ59'51"	04°Ⅲ49'56"	07°Ⅳ31'31" R _x	01°Ⅳ26'14" R _x	09°Ⅳ47'47" R _x	12°Ⅲ41'02"	25°Ⅳ47'39"	
1989-08-27	09°Ⅳ51'01"	03°Ⅱ23'08"	00°Ⅲ26'20"	10°Ⅲ11'27"	14°Ⅱ38'04"	05°Ⅲ00'03"	07°Ⅳ29'58" R _x	01°Ⅳ25'29" R _x	09°Ⅳ46'59" R _x	12°Ⅲ42'11"	25°Ⅳ48'13"	
1989-08-28	22°Ⅳ55'15"	04°Ⅱ21'05"	01°Ⅲ29'23"	11°Ⅲ22'27"	15°Ⅱ16'19"	05°Ⅲ10'02"	07°Ⅳ28'31" R _x	01°Ⅳ24'48" R _x	09°Ⅳ46'12" R _x	12°Ⅲ43'21"	25°Ⅳ49'02"	
1989-08-29	05°Ⅳ45'08"	05°Ⅱ19'03"	02°Ⅲ29'58"	12°Ⅲ33'24"	15°Ⅱ54'36"	05°Ⅲ19'56"	07°Ⅳ27'09" R _x	01°Ⅳ24'09" R _x	09°Ⅳ45'27" R _x	12°Ⅲ44'33"	25°Ⅳ49'54"	
1989-08-30	18°Ⅳ21'52"	06°Ⅱ17'03"	03°Ⅲ27'58"	13°Ⅲ44'18"	16°Ⅱ32'53"	05°Ⅲ29'43"	07°Ⅳ25'53" R _x	01°Ⅳ23'33" R _x	09°Ⅳ44'44" R _x	12°Ⅲ45'47"	25°Ⅳ50'34"	
1989-08-31	00°Ⅳ46'41"	07°Ⅱ15'05"	04°Ⅲ23'13"	14°Ⅲ55'08"	17°Ⅱ11'12"	05°Ⅲ39'23"	07°Ⅳ24'42" R _x	01°Ⅳ23'00" R _x	09°Ⅳ44'02" R _x	12°Ⅲ47'02"	25°Ⅳ50'44" R _x	
1989-09-01	13°Ⅳ00'56"	08°Ⅱ13'08"	05°Ⅲ15'32"	16°Ⅲ05'55"	17°Ⅱ49'33"	05°Ⅲ48'57"	07°Ⅳ23'37" R _x	01°Ⅳ22'30" R _x	09°Ⅳ43'22" R _x	12°Ⅲ48'20"	25°Ⅳ50'13" R _x	
1989-09-02	25°Ⅳ06'10"	09°Ⅱ11'13"	06°Ⅲ04'46"	17°Ⅲ16'39"	18°Ⅱ27'54"	05°Ⅲ58'23"	07°Ⅳ22'38" R _x	01°Ⅳ22'03" R _x	09°Ⅳ42'44" R _x	12°Ⅲ49'39"	25°Ⅳ48'53" R _x	
1989-09-03	07°Ⅳ04'11"	10°Ⅱ09'19"	06°Ⅲ50'41"	18°Ⅲ27'20"	19°Ⅱ06'17"	06°Ⅲ07'43"	07°Ⅳ21'44" R _x	01°Ⅳ21'39" R _x	09°Ⅳ42'07" R _x	12°Ⅲ51'00"	25°Ⅳ46'49" R _x	
1989-09-04	18°Ⅳ57'06"	11°Ⅱ07'27"	07°Ⅲ33'06"	19°Ⅲ37'57"	19°Ⅱ44'41"	06°Ⅲ16'56"	07°Ⅳ20'56" R _x	01°Ⅳ21'18" R _x	09°Ⅳ41'33" R _x	12°Ⅲ52'23"	25°Ⅳ44'13" R _x	
1989-09-05	00°Ⅳ47'33"	12°Ⅱ05'37"	08°Ⅲ11'45"	20°Ⅲ48'30"	20°Ⅱ23'07"	06°Ⅲ26'01"	07°Ⅳ20'14" R _x	01°Ⅳ21'00" R _x	09°Ⅳ41'00" R _x	12°Ⅲ53'47"	25°Ⅳ41'27" R _x	
1989-09-06	12°Ⅳ38'36"	13°Ⅱ03'48"	08°Ⅲ46'23"	21°Ⅲ59'00"	21°Ⅱ01'34"	06°Ⅲ35'00"	07°Ⅳ19'38" R _x	01°Ⅳ20'45" R _x	09°Ⅳ40'29" R _x	12°Ⅲ55'13"	25°Ⅳ38'55" R _x	
1989-09-07	24°Ⅳ33'55"	14°Ⅱ02'01"	09°Ⅲ16'44"	23°Ⅲ09'26"	21°Ⅱ40'02"	06°Ⅲ43'51"	07°Ⅳ19'08" R _x	01°Ⅳ20'33" R _x	09°Ⅳ40'00" R _x	12°Ⅲ56'41"	25°Ⅳ37'01" R _x	
1989-09-08	06°Ⅳ37'38"	15°Ⅱ00'15"	09°Ⅲ42'30"	24°Ⅲ19'48"	22°Ⅱ18'31"	06°Ⅲ52'34"	07°Ⅳ18'44" R _x	01°Ⅳ20'24" R _x	09°Ⅳ39'33" R _x	12°Ⅲ58'11"	25°Ⅳ36'04" R _x	
1989-09-09	18°Ⅳ54'10"	15°Ⅱ58'31"	10°Ⅲ03'23"	25°Ⅲ30'06"	22°Ⅱ57'02"	07°Ⅳ01'11"	07°Ⅳ18'25" R _x	01°Ⅳ20'18" R _x	09°Ⅳ39'07" R _x	12°Ⅲ59'42"	25°Ⅳ36'10"	
1989-09-10	01°Ⅳ27'59"	16°Ⅱ56'48"	10°Ⅲ19'03"	26°Ⅲ40'19"	23°Ⅱ35'35"	07°Ⅳ09'39"	07°Ⅳ18'13" R _x	01°Ⅳ20'15" R _x	09°Ⅳ38'44" R _x	13°Ⅲ01'15"	25°Ⅳ37'13"	
1989-09-11	14°Ⅳ23'08"	17°Ⅱ55'07"	10°Ⅲ29'12"	27°Ⅲ50'29"	24°Ⅱ14'08"	07°Ⅳ18'00"	07°Ⅳ18'06" R _x	01°Ⅳ20'16" R _x	09°Ⅳ38'23" R _x	13°Ⅲ02'50"	25°Ⅳ38'57"	
1989-09-12	27°Ⅳ42'54"	18°Ⅱ53'27"	10°Ⅲ33'30"	29°Ⅲ00'34"	24°Ⅱ52'43"	07°Ⅳ26'13"	07°Ⅳ18'05" R _x	01°Ⅳ20'19" R _x	09°Ⅳ38'03" R _x	13°Ⅲ04'26"	25°Ⅳ40'51"	
1989-09-13	11°Ⅳ29'12"	19°Ⅱ51'49"	10°Ⅲ31'39" R _x	00°Ⅳ10'34"	25°Ⅱ31'19"	07°Ⅳ34'18"	07°Ⅳ18'10" R _x	01°Ⅳ20'26" R _x	09°Ⅳ37'45" R _x	13°Ⅲ06'04"	25°Ⅳ42'25"	
1989-09-14	25°Ⅳ41'52"	20°Ⅱ50'12"	10°Ⅲ23'23" R _x	01°Ⅳ20'30"	26°Ⅱ09'57"	07°Ⅳ42'14"	07°Ⅳ18'21" R _x	01°Ⅳ20'35" R _x	09°Ⅳ37'29" R _x	13°Ⅲ07'43"	25°Ⅳ43'07"	
1989-09-15	10°Ⅳ18'12"	21°Ⅱ48'37"	10°Ⅲ08'27" R _x	02°Ⅳ30'21"	26°Ⅱ48'36"	07°Ⅳ50'03"	07°Ⅳ18'38" R _x	01°Ⅳ20'47" R _x	09°Ⅳ37'15" R _x	13°Ⅲ09'24"	25°Ⅳ42'36" R _x	
1989-09-16	25°Ⅳ12'40"	22°Ⅱ47'04"	09°Ⅲ46'43" R _x	03°Ⅳ40'08"	27°Ⅱ27'16"	07°Ⅳ57'43"	07°Ⅳ19'01" R _x	01°Ⅳ21'03" R _x	09°Ⅳ37'03" R _x	13°Ⅲ11'06"	25°Ⅳ40'43" R _x	
1989-09-17	10°Ⅳ17'22"	23°Ⅱ45'33"	09°Ⅲ18'05" R _x	04°Ⅳ49'49"	28°Ⅱ05'58"	08°Ⅳ05'15"	07°Ⅳ19'29" R _x	01°Ⅳ21'21" R _x	09°Ⅳ36'53" R _x	13°Ⅲ12'50"	25°Ⅳ37'37" R _x	
1989-09-18	25°Ⅳ22'58"	24°Ⅱ44'04"	08°Ⅲ42'39" R _x	05°Ⅳ59'26"	28°Ⅱ44'41"	08°Ⅳ12'39"	07°Ⅳ20'03" R _x	01°Ⅳ21'43" R _x	09°Ⅳ36'44" R _x	13°Ⅲ14'35"	25°Ⅳ33'40" R _x	
1989-09-19	10°Ⅳ20'15"	25°Ⅱ42'37"	08°Ⅲ00'36" R _x	07°Ⅳ08'58"	29°Ⅱ23'26"	08°Ⅳ19'54"	07°Ⅳ20'44" R _x	01°Ⅳ22'08" R _x	09°Ⅳ36'38" R _x	13°Ⅲ16'22"	25°Ⅳ29'26" R _x	
1989-09-20	25°Ⅳ01'25"	26°Ⅱ41'12"	07°Ⅲ12'20" R _x	08°Ⅳ18'25"	00°Ⅲ02'13"	08°Ⅳ27'01"	07°Ⅳ21'30" R _x	01°Ⅳ22'35" R _x	09°Ⅳ36'34" R _x	13°Ⅲ18'10"	25°Ⅳ25'33" R _x	

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1989-09-21	09°Ⅱ21'07"	27°Ⅲ39'49"	06°Ⅴ18'28" R _x	09°Ⅲ27'47"	00°Ⅴ41'02"	08°Ⅴ33'59"	07°Ⅴ22'22"	01°Ⅴ23'06"	09°Ⅴ36'32" R _x	13°Ⅲ20'00"	25°Ⅴ22'36" R _x	
1989-09-22	23°Ⅱ16'47"	28°Ⅲ38'29"	05°Ⅴ19'48" R _x	10°Ⅲ37'04"	01°Ⅴ19'52"	08°Ⅴ40'48"	07°Ⅴ23'20"	01°Ⅴ23'40"	09°Ⅴ36'31"	13°Ⅲ21'51"	25°Ⅴ20'59" R _x	
1989-09-23	06°Ⅴ48'19"	29°Ⅲ37'11"	04°Ⅴ17'25" R _x	11°Ⅲ46'16"	01°Ⅴ58'44"	08°Ⅴ47'28"	07°Ⅴ24'24"	01°Ⅴ24'17"	09°Ⅴ36'33"	13°Ⅲ23'44"	25°Ⅴ20'47"	
1989-09-24	19°Ⅴ57'31"	00°Ⅴ35'55"	03°Ⅴ12'35" R _x	12°Ⅲ55'23"	02°Ⅴ37'38"	08°Ⅴ53'58"	07°Ⅴ25'33"	01°Ⅴ24'58"	09°Ⅴ36'37"	13°Ⅲ25'38"	25°Ⅴ21'47"	
1989-09-25	02°Ⅴ47'14"	01°Ⅴ34'41"	02°Ⅴ06'45" R _x	14°Ⅲ04'24"	03°Ⅴ16'33"	09°Ⅴ00'20"	07°Ⅴ26'49"	01°Ⅴ25'41"	09°Ⅴ36'42"	13°Ⅲ27'33"	25°Ⅴ23'28"	
1989-09-26	15°Ⅴ20'40"	02°Ⅴ33'30"	01°Ⅴ01'32" R _x	15°Ⅲ13'20"	03°Ⅴ55'30"	09°Ⅴ06'32"	07°Ⅴ28'10"	01°Ⅴ26'27"	09°Ⅴ36'50"	13°Ⅲ29'29"	25°Ⅴ25'08"	
1989-09-27	27°Ⅴ41'03"	03°Ⅴ32'21"	29°Ⅲ58'37" R _x	16°Ⅲ22'11"	04°Ⅴ34'29"	09°Ⅴ12'34"	07°Ⅴ29'38"	01°Ⅴ27'16"	09°Ⅴ37'00"	13°Ⅲ31'27"	25°Ⅴ25'52"	
1989-09-28	09°Ⅲ51'16"	04°Ⅴ31'13"	28°Ⅲ59'40" R _x	17°Ⅲ30'56"	05°Ⅴ13'29"	09°Ⅴ18'27"	07°Ⅴ31'10"	01°Ⅴ28'09"	09°Ⅴ37'11"	13°Ⅲ33'26"	25°Ⅴ25'03" R _x	
1989-09-29	21°Ⅲ53'48"	05°Ⅴ30'08"	28°Ⅲ06'16" R _x	18°Ⅲ39'35"	05°Ⅴ52'31"	09°Ⅴ24'10"	07°Ⅴ32'49"	01°Ⅴ29'04"	09°Ⅴ37'25"	13°Ⅲ35'26"	25°Ⅴ22'08" R _x	
1989-09-30	03°Ⅴ50'46"	06°Ⅴ29'05"	27°Ⅲ19'52" R _x	19°Ⅲ48'08"	06°Ⅴ31'35"	09°Ⅴ29'43"	07°Ⅴ34'34"	01°Ⅴ30'02"	09°Ⅴ37'40"	13°Ⅲ37'27"	25°Ⅴ16'59" R _x	
1989-10-01	15°Ⅴ43'59"	07°Ⅴ28'04"	26°Ⅲ41'41" R _x	20°Ⅲ56'35"	07°Ⅴ10'40"	09°Ⅴ35'06"	07°Ⅴ36'24"	01°Ⅴ31'03"	09°Ⅴ37'58"	13°Ⅲ39'30"	25°Ⅴ09'50" R _x	
1989-10-02	27°Ⅴ35'07"	08°Ⅴ27'05"	26°Ⅲ12'44" R _x	22°Ⅲ04'55"	07°Ⅴ49'47"	09°Ⅴ40'20"	07°Ⅴ38'20"	01°Ⅴ32'08"	09°Ⅴ38'17"	13°Ⅲ41'33"	25°Ⅴ01'17" R _x	
1989-10-03	09°Ⅲ25'52"	09°Ⅴ26'08"	25°Ⅲ53'42" R _x	23°Ⅲ13'09"	08°Ⅴ28'56"	09°Ⅴ45'23"	07°Ⅴ40'22"	01°Ⅴ33'15"	09°Ⅴ38'39"	13°Ⅲ43'38"	24°Ⅴ52'13" R _x	
1989-10-04	21°Ⅲ18'15"	10°Ⅴ25'13"	25°Ⅲ45'01" R _x	24°Ⅲ21'16"	09°Ⅴ08'07"	09°Ⅴ50'15"	07°Ⅴ42'29"	01°Ⅴ34'26"	09°Ⅴ39'02"	13°Ⅲ45'44"	24°Ⅴ43'36" R _x	
1989-10-05	03°Ⅴ14'43"	11°Ⅴ24'20"	25°Ⅲ46'52"	25°Ⅲ29'16"	09°Ⅴ47'19"	09°Ⅴ54'58"	07°Ⅴ44'43"	01°Ⅴ35'39"	09°Ⅴ39'28"	13°Ⅲ47'51"	24°Ⅴ36'20" R _x	
1989-10-06	15°Ⅴ18'21"	12°Ⅴ23'29"	25°Ⅲ59'10"	26°Ⅲ37'09"	10°Ⅴ26'33"	09°Ⅴ59'30"	07°Ⅴ47'01"	01°Ⅴ36'56"	09°Ⅴ39'56"	13°Ⅲ49'59"	24°Ⅴ31'03" R _x	
1989-10-07	27°Ⅴ32'48"	13°Ⅴ22'39"	26°Ⅲ21'38"	27°Ⅲ44'54"	11°Ⅴ05'48"	10°Ⅴ03'51"	07°Ⅴ49'26"	01°Ⅴ38'15"	09°Ⅴ40'25"	13°Ⅲ52'08"	24°Ⅴ28'02" R _x	
1989-10-08	10°Ⅴ02'08"	14°Ⅴ21'52"	26°Ⅲ53'51"	28°Ⅲ52'32"	11°Ⅴ45'06"	10°Ⅴ08'02"	07°Ⅴ51'56"	01°Ⅴ39'37"	09°Ⅴ40'57"	13°Ⅲ54'18"	24°Ⅴ27'05" R _x	
1989-10-09	22°Ⅴ50'40"	15°Ⅴ21'06"	27°Ⅲ35'13"	00°Ⅴ00'01"	12°Ⅴ24'24"	10°Ⅴ12'02"	07°Ⅴ54'32"	01°Ⅴ41'03"	09°Ⅴ41'30"	13°Ⅲ56'29"	24°Ⅴ27'40"	
1989-10-10	06°Ⅴ02'29"	16°Ⅴ20'21"	28°Ⅲ25'04"	01°Ⅴ07'22"	13°Ⅴ03'45"	10°Ⅴ15'52"	07°Ⅴ57'13"	01°Ⅴ42'31"	09°Ⅴ42'06"	13°Ⅲ58'41"	24°Ⅴ28'53"	
1989-10-11	19°Ⅴ40'56"	17°Ⅴ19'39"	29°Ⅲ22'39"	02°Ⅴ14'34"	13°Ⅴ43'07"	10°Ⅴ19'30"	07°Ⅴ59'59"	01°Ⅴ42'44"	14°Ⅲ00'54"	14°Ⅲ00'54"	24°Ⅴ29'45"	
1989-10-12	03°Ⅴ47'47"	18°Ⅴ18'58"	00°Ⅴ27'13"	03°Ⅴ21'38"	14°Ⅴ22'31"	10°Ⅴ22'57"	08°Ⅴ02'51"	01°Ⅴ45'35"	09°Ⅴ43'23"	14°Ⅲ03'08"	24°Ⅴ29'20" R _x	
1989-10-13	18°Ⅴ22'18"	19°Ⅴ18'19"	01°Ⅴ38'00"	04°Ⅴ28'32"	15°Ⅴ01'56"	10°Ⅴ26'14"	08°Ⅴ05'48"	01°Ⅴ47'12"	09°Ⅴ44'04"	14°Ⅲ05'22"	24°Ⅴ26'57" R _x	
1989-10-14	03°Ⅴ20'25"	20°Ⅴ17'42"	02°Ⅴ54'13"	05°Ⅴ35'16"	15°Ⅴ41'23"	10°Ⅴ29'19"	08°Ⅴ08'50"	01°Ⅴ48'51"	09°Ⅴ44'47"	14°Ⅲ07'37"	24°Ⅴ22'19" R _x	
1989-10-15	18°Ⅴ34'38"	21°Ⅴ17'07"	04°Ⅴ15'11"	06°Ⅴ41'51"	16°Ⅴ20'52"	10°Ⅴ32'13"	08°Ⅴ11'57"	01°Ⅴ50'33"	09°Ⅴ45'33"	14°Ⅲ09'53"	24°Ⅴ15'34" R _x	
1989-10-16	03°Ⅴ54'13"	22°Ⅴ16'34"	05°Ⅴ40'13"	07°Ⅴ48'15"	17°Ⅴ00'23"	10°Ⅴ34'56"	08°Ⅴ15'10"	01°Ⅴ52'18"	09°Ⅴ46'20"	14°Ⅲ12'10"	24°Ⅴ07'20" R _x	
1989-10-17	19°Ⅴ09'47"	23°Ⅴ16'03"	07°Ⅴ08'41"	08°Ⅴ54'30"	17°Ⅴ39'56"	10°Ⅴ37'28"	08°Ⅴ18'28"	01°Ⅴ54'06"	09°Ⅴ47'09"	14°Ⅲ14'27"	23°Ⅴ58'27" R _x	
1989-10-18	04°Ⅴ07'48"	24°Ⅴ15'34"	08°Ⅴ40'02"	10°Ⅴ00'34"	18°Ⅴ19'31"	10°Ⅴ39'48"	08°Ⅴ21'51"	01°Ⅴ55'56"	09°Ⅴ48'00"	14°Ⅲ16'46"	23°Ⅴ49'58" R _x	
1989-10-19	18°Ⅴ42'18"	25°Ⅴ15'07"	10°Ⅴ13'45"	11°Ⅴ06'27"	18°Ⅴ59'08"	10°Ⅴ41'57"	08°Ⅴ25'20"	01°Ⅴ57'49"	09°Ⅴ48'53"	14°Ⅲ19'05"	23°Ⅴ42'48" R _x	
1989-10-20	02°Ⅴ48'18"	26°Ⅴ14'43"	11°Ⅴ49'24"	12°Ⅴ12'10"	19°Ⅴ38'47"	10°Ⅴ43'54"	08°Ⅴ28'53"	01°Ⅴ59'45"	09°Ⅴ49'48"	14°Ⅲ21'24"	23°Ⅴ37'35" R _x	
1989-10-21	16°Ⅴ24'54"	27°Ⅴ14'21"	13°Ⅴ26'36"	13°Ⅴ17'41"	20°Ⅴ18'27"	10°Ⅴ45'40"	08°Ⅴ32'32"	02°Ⅴ01'43"	09°Ⅴ50'44"	14°Ⅲ23'44"	23°Ⅴ34'33" R _x	
1989-10-22	29°Ⅴ34'02"	28°Ⅴ14'22"	15°Ⅴ05'00"	14°Ⅴ23'00"	20°Ⅴ58'10"	10°Ⅴ47'14"	08°Ⅴ36'15"	02°Ⅴ03'45"	09°Ⅴ51'43"	14°Ⅲ26'05"	23°Ⅴ33'27" R _x	
1989-10-23	12°Ⅴ19'26"	29°Ⅴ13'44"	16°Ⅴ44'18"	15°Ⅴ28'08"	21°Ⅴ37'55"	10°Ⅴ48'36"	08°Ⅴ40'03"	02°Ⅴ05'48"	09°Ⅴ52'43"	14°Ⅲ28'27"	23°Ⅴ33'31" R _x	
1989-10-24	24°Ⅴ45'36"	00°Ⅲ13'29"	18°Ⅴ24'16"	16°Ⅴ33'03"	22°Ⅴ17'42"	10°Ⅴ49'46"	08°Ⅴ43'57"	02°Ⅴ07'54"	09°Ⅴ53'45"	14°Ⅲ30'48"	23°Ⅴ33'51" R _x	
1989-10-25	06°Ⅲ57'13"	01°Ⅲ13'16"	20°Ⅴ04'42"	17°Ⅴ37'45"	22°Ⅴ57'30"	10°Ⅴ50'45"	08°Ⅴ47'55"	02°Ⅴ10'03"	09°Ⅴ54'49"	14°Ⅲ33'11"	23°Ⅴ33'11" R _x	
1989-10-26	18°Ⅲ58'36"	02°Ⅲ13'05"	21°Ⅴ45'24"	18°Ⅴ42'15"	23°Ⅴ37'21"	10°Ⅴ51'31"	08°Ⅴ51'57"	02°Ⅴ12'14"	09°Ⅴ55'55"	14°Ⅲ35'33"	23°Ⅴ30'30" R _x	
1989-10-27	00°Ⅴ53'32"	03°Ⅲ12'57"	23°Ⅴ26'15"	19°Ⅴ46'31"	24°Ⅴ17'14"	10°Ⅴ52'05"	08°Ⅴ56'05"	02°Ⅴ14'28"	09°Ⅴ57'03"	14°Ⅲ37'56"	23°Ⅴ25'03" R _x	
1989-10-28	12°Ⅴ45'08"	04°Ⅲ12'50"	25°Ⅴ07'06"	20°Ⅴ50'33"	24°Ⅴ57'08"	10°Ⅴ52'27"	09°Ⅴ00'17"	02°Ⅴ16'44"	09°Ⅴ58'12"	14°Ⅲ40'20"	23°Ⅴ16'34" R _x	
1989-10-29	24°Ⅴ35'50"	05°Ⅲ12'45"	26°Ⅴ47'52"	21°Ⅴ54'20"	25°Ⅴ37'05"	10°Ⅴ52'37"	09°Ⅴ04'34"	02°Ⅴ19'03"	09°Ⅴ59'23"	14°Ⅲ42'44"	23°Ⅴ05'19" R _x	
1989-10-30	06°Ⅲ27'26"	06°Ⅲ12'43"	28°Ⅴ28'28"	22°Ⅴ57'53"	26°Ⅴ17'03"	10°Ⅴ52'35" R _x	09°Ⅴ08'56"	02°Ⅴ21'24"	10°Ⅴ00'36"	14°Ⅲ45'08"	22°Ⅴ52'03" R _x	
1989-10-31	18°Ⅲ21'18"	07°Ⅲ12'42"	00°Ⅲ08'50"	24°Ⅴ01'10"	26°Ⅴ57'04"	10°Ⅴ52'21" R _x	09°Ⅴ13'22"	02°Ⅴ23'48"	10°Ⅴ01'51"	14°Ⅲ47'33"	22°Ⅴ37'54" R _x	
1989-11-01	00°Ⅴ18'41"	08°Ⅲ12'43"	01°Ⅲ48'56"	25°Ⅴ04'10"	27°Ⅴ37'07"	10°Ⅴ51'55" R _x	09°Ⅴ17'52"	02°Ⅴ26'14"	10°Ⅴ03'08"	14°Ⅲ49'57"	22°Ⅴ24'09" R _x	
1989-11-02	12°Ⅴ20'58"	09°Ⅲ12'46"	03°Ⅲ28'43"	26°Ⅴ06'54"	28°Ⅴ17'11"	10°Ⅴ51'17" R _x	09°Ⅴ22'28"	02°Ⅴ28'42"	10°Ⅴ04'26"	14°Ⅲ52'22"	22°Ⅴ12'02" R _x	
1989-11-03	24°Ⅴ29'59"	10°Ⅲ12'51"	05°Ⅲ08'09"	27°Ⅴ09'21"	28°Ⅴ57'18"	10°Ⅴ50'26" R _x	09°Ⅴ27'07"	02°Ⅴ31'13"	10°Ⅴ05'46"	14°Ⅲ54'48"	22°Ⅴ02'26" R _x	
1989-11-04	06°Ⅴ48'05"	11°Ⅲ12'58"	06°Ⅲ47'13"	28°Ⅴ11'29"	29°Ⅴ37'26"	10°Ⅴ49'24" R _x	09°Ⅴ31'51"	02°Ⅴ33'46"	10°Ⅴ07'08"	14°Ⅲ57'13"	21°Ⅴ55'49" R _x	
1989-11-05	19°Ⅴ18'17"	12°Ⅲ13'06"	08°Ⅲ25'55"	29°Ⅴ13'18"	00°Ⅲ17'36"	10°Ⅴ48'10" R _x	09°Ⅴ36'39"	02°Ⅴ36'21"	10°Ⅴ08'31"	14°Ⅲ59'39"	21°Ⅴ52'03" R _x	
1989-11-06	02°Ⅴ04'04"	13°Ⅲ13'16"	10°Ⅲ04'13"	00°Ⅴ14'48"	00°Ⅲ57'48"	10°Ⅴ46'43" R _x	09°Ⅴ41'31"	02°Ⅴ38'58"	10°Ⅴ09'56"	15°Ⅲ02'05"	21°Ⅴ50'33" R _x	
1989-11-07	15°Ⅴ09'13"	14°Ⅲ13'27"	11°Ⅲ42'09"	01°Ⅴ15'56"	01°Ⅲ38'02"	10°Ⅴ45'05" R _x	09°Ⅴ46'28"	02°Ⅴ41'38"	10°Ⅴ11'22"	15°Ⅲ04'30"	21°Ⅴ50'16" R _x	
1989-11-08	28°Ⅴ37'26"	15°Ⅲ13'39"	13°Ⅲ19'41"	02°Ⅴ16'44"	02°Ⅲ18'18"	10°Ⅴ43'14" R _x	09°Ⅴ51'28"	02°Ⅴ44'19"	10°Ⅴ12'50"	15°Ⅲ06'56"	21°Ⅴ49'59" R _x	
1989-11-09	12°Ⅴ31'30"	16°Ⅲ13'53"	14°Ⅲ56'50"	03°Ⅴ17'09"	02°Ⅲ58'36"	10°Ⅴ41'12" R _x	09°Ⅴ56'33"	02°Ⅴ47'03"	10°Ⅴ14'20"	15°Ⅲ09'22"	21°Ⅴ48'33" R _x	
1989-11-10	26°Ⅴ52'22"	17°Ⅲ14'09"	16°Ⅲ33'37"	04°Ⅴ17'11"	03°Ⅲ38'56"	10°Ⅴ38'57" R _x	10°Ⅴ01'41"	02°Ⅴ49'48"	10°Ⅴ15'51"	15°Ⅲ11'47"	21°Ⅴ45'02" R _x	
1989-11-11	11°Ⅴ38'10"	18°Ⅲ14'26"	18°Ⅲ10'03"	05°Ⅴ16'49"	04°Ⅲ19'17"	10°Ⅴ36'31" R _x	10°Ⅴ06'53"	02°Ⅴ52'36"	10°Ⅴ17'24"	15°Ⅲ14'13"	21°Ⅴ39'01" R _x	
1989-11-12	26°Ⅴ43'31"	19°Ⅲ14'44"	19°Ⅲ46'08"	06°Ⅴ16'02"	04°Ⅲ59'41"	10°Ⅴ33'53" R _x	10°Ⅴ12'09"	02°Ⅴ55'25"	10°Ⅴ18'58"	15°Ⅲ16'38"	21°Ⅴ30'33" R _x	

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Date	☽ Geo Lon	☾ Geo Lon	♀ Geo Lon	♀ Geo Lon	♂ Geo Lon	♃ Geo Lon	♄ Geo Lon	♅ Geo Lon	♆ Geo Lon	♇ Geo Lon	♈ Geo Lon	♉ Geo Lon
1989-11-13	11°♁59'43"	20°♍15'04"	21°♍21'53"	07°♁14'49"	05°♍40'06"	10°♁31'04" R _x	10°♁17'29"	02°♁58'17"	10°♁20'34"	15°♍19'04"	21°♁20'13" R _x	
1989-11-14	27°♁15'49"	21°♍15'26"	22°♍57'19"	08°♁13'09"	06°♍20'34"	10°♁28'03" R _x	10°♁22'52"	03°♁01'10"	10°♁21'11"	15°♍21'29"	21°♁08'57" R _x	
1989-11-15	12°♁20'32"	22°♍15'50"	24°♍32'26"	09°♁11'01"	07°♍01'04"	10°♁24'51" R _x	10°♁28'19"	03°♁04'06"	10°♁23'50"	15°♍23'54"	20°♁57'55" R _x	
1989-11-16	27°♁04'10"	23°♍16'15"	26°♍07'17"	10°♁08'25"	07°♍41'36"	10°♁21'27" R _x	10°♁33'50"	03°♁07'03"	10°♁25'30"	15°♍26'19"	20°♁48'11" R _x	
1989-11-17	11°♁20'13"	24°♍16'42"	27°♍41'52"	11°♁05'19"	08°♍22'11"	10°♁17'52" R _x	10°♁39'24"	03°♁10'02"	10°♁27'11"	15°♍28'44"	20°♁40'34" R _x	
1989-11-18	25°♁05'53"	25°♍17'11"	29°♍16'12"	12°♁01'42"	09°♍02'47"	10°♁14'06" R _x	10°♁45'02"	03°♁13'03"	10°♁28'54"	15°♍31'08"	20°♁35'26" R _x	
1989-11-19	08°♁21'49"	26°♍17'41"	00°♁50'17"	12°♁57'33"	09°♍43'26"	10°♁10'08" R _x	10°♁50'43"	03°♁16'05"	10°♁30'39"	15°♍33'32"	20°♁32'39" R _x	
1989-11-20	21°♁11'13"	27°♍18'14"	02°♁24'10"	13°♁52'50"	10°♍24'07"	10°♁06'00" R _x	10°♁56'28"	03°♁19'09"	10°♁32'24"	15°♍35'56"	20°♁31'32" R _x	
1989-11-21	03°♁38'39"	28°♍18'48"	03°♁57'50"	14°♁47'34"	11°♍04'50"	10°♁01'40" R _x	11°♁02'16"	03°♁22'15"	10°♁34'11"	15°♍38'19"	20°♁31'05" R _x	
1989-11-22	15°♁49'18"	29°♍19'24"	05°♁31'18"	15°♁41'41"	11°♍45'35"	09°♁57'10" R _x	11°♁08'07"	03°♁25'22"	10°♁35'59"	15°♍40'42"	20°♁30'06" R _x	
1989-11-23	27°♁48'22"	00°♁20'01"	07°♁04'36"	16°♁35'11"	12°♍26'22"	09°♁52'29" R _x	11°♁14'01"	03°♁28'31"	10°♁37'48"	15°♍43'04"	20°♁27'27" R _x	
1989-11-24	09°♁40'40"	01°♁20'40"	08°♁37'44"	17°♁28'03"	13°♍07'11"	09°♁47'38" R _x	11°♁19'58"	03°♁31'42"	10°♁39'39"	15°♍45'26"	20°♁22'19" R _x	
1989-11-25	21°♁30'24"	02°♁21'21"	10°♁10'43"	18°♁20'14"	13°♍48'03"	09°♁42'36" R _x	11°♁25'58"	03°♁34'54"	10°♁41'31"	15°♍47'47"	20°♁14'17" R _x	
1989-11-26	03°♁21'02"	03°♁22'04"	11°♁43'33"	19°♁11'44"	14°♍28'57"	09°♁37'24" R _x	11°♁32'02"	03°♁38'07"	10°♁43'24"	15°♍50'08"	20°♁03'31" R _x	
1989-11-27	15°♍15'07"	04°♁22'48"	13°♁16'15"	20°♁02'30"	15°♍09'53"	09°♁32'03" R _x	11°♁38'08"	03°♁41'22"	10°♁45'18"	15°♍52'28"	19°♁50'40" R _x	
1989-11-28	27°♍14'28"	05°♁23'33"	14°♁48'49"	20°♁52'31"	15°♍50'51"	09°♁26'31" R _x	11°♁44'17"	03°♁44'38"	10°♁47'14"	15°♍54'48"	19°♁36'48" R _x	
1989-11-29	09°♁20'16"	06°♁24'20"	16°♁21'15"	21°♁41'45"	16°♍31'52"	09°♁20'50" R _x	11°♁50'29"	03°♁47'56"	10°♁49'10"	15°♍57'07"	19°♁23'09" R _x	
1989-11-30	21°♁33'21"	07°♁25'08"	17°♁53'33"	22°♁30'09"	17°♍12'54"	09°♁15'00" R _x	11°♁56'44"	03°♁51'14"	10°♁51'08"	15°♍59'25"	19°♁10'58" R _x	
1989-12-01	03°♁54'32"	08°♁25'57"	19°♁25'43"	23°♁17'42"	17°♍53'59"	09°♁09'01" R _x	12°♁03'01"	03°♁54'35"	10°♁53'06"	16°♍01'43"	19°♁01'09" R _x	
1989-12-02	16°♁24'47"	09°♁26'47"	20°♁57'44"	24°♁04'21"	18°♍35'05"	09°♁02'53" R _x	12°♁09'21"	03°♁57'56"	10°♁55'06"	16°♍04'00"	18°♁54'15" R _x	
1989-12-03	29°♁05'33"	10°♁27'39"	22°♁29'36"	24°♁50'04"	19°♍16'14"	08°♁56'37" R _x	12°♁15'43"	04°♁01'18"	10°♁57'07"	16°♍06'16"	18°♁50'11" R _x	
1989-12-04	11°♁58'44"	11°♁28'31"	24°♁01'17"	25°♁34'48"	19°♍57'24"	08°♁50'12" R _x	12°♁22'08"	04°♁04'42"	10°♁59'09"	16°♍08'32"	18°♁48'39" R _x	
1989-12-05	25°♁06'43"	12°♁29'24"	25°♁32'46"	26°♁18'31"	20°♍38'37"	08°♁43'40" R _x	12°♁28'35"	04°♁08'06"	11°♁01'11"	16°♍10'46"	18°♁48'32"	
1989-12-06	08°♁32'07"	13°♁30'17"	27°♁04'02"	27°♁01'10"	21°♍19'51"	08°♁36'59" R _x	12°♁35'05"	04°♁11'32"	11°♁03'14"	16°♍13'00"	18°♁48'46"	
1989-12-07	22°♁17'13"	14°♁31'12"	28°♁35'01"	27°♁42'42"	22°♍01'08"	08°♁30'11" R _x	12°♁41'36"	04°♁14'58"	11°♁05'19"	16°♍15'12"	18°♁48'16" R _x	
1989-12-08	06°♁23'16"	15°♁32'07"	00°♁05'41"	28°♁23'05"	22°♍42'26"	08°♁23'16" R _x	12°♁48'10"	04°♁18'26"	11°♁07'24"	16°♍17'24"	18°♁46'07" R _x	
1989-12-09	20°♁49'43"	16°♁33'03"	01°♁35'59"	29°♁02'15"	23°♍23'47"	08°♁16'15" R _x	12°♁54'46"	04°♁21'54"	11°♁09'30"	16°♍19'34"	18°♁41'50" R _x	
1989-12-10	05°♁33'27"	17°♁33'59"	03°♁05'50"	29°♁40'10"	24°♍05'10"	08°♁09'06" R _x	13°♁01'24"	04°♁25'23"	11°♁11'36"	16°♍21'44"	18°♁35'22" R _x	
1989-12-11	20°♁28'35"	18°♁34'56"	04°♁35'10"	00°♁16'46"	24°♍46'35"	08°♁01'52" R _x	13°♁08'03"	04°♁28'53"	11°♁13'44"	16°♍23'53"	18°♁27'09" R _x	
1989-12-12	05°♁26'58"	19°♁35'55"	06°♁03'52"	00°♁51'59"	25°♍28'02"	07°♁54'32" R _x	13°♁14'45"	04°♁32'24"	11°♁15'52"	16°♍26'00"	18°♁17'59" R _x	
1989-12-13	20°♁19'18"	20°♁36'53"	07°♁31'49"	01°♁25'48"	26°♍09'31"	07°♁47'06" R _x	13°♁21'29"	04°♁35'55"	11°♁18'01"	16°♍28'07"	18°♁08'51" R _x	
1989-12-14	04°♁56'40"	21°♁37'53"	08°♁58'53"	01°♁58'08"	26°♍51'02"	07°♁39'35" R _x	13°♁28'14"	04°♁39'27"	11°♁20'11"	16°♍30'13"	18°♁00'43" R _x	
1989-12-15	19°♁11'58"	22°♁38'53"	10°♁24'54"	02°♁28'55"	27°♍32'36"	07°♁31'59" R _x	13°♁35'01"	04°♁43'00"	11°♁22'21"	16°♍32'17"	17°♁54'21" R _x	
1989-12-16	03°♁00'59"	23°♁39'55"	11°♁49'39"	02°♁58'07"	28°♍14'12"	07°♁24'18" R _x	13°♁41'50"	04°♁46'33"	11°♁24'32"	16°♍34'20"	17°♁50'11" R _x	
1989-12-17	16°♁22'29"	24°♁40'57"	13°♁12'56"	03°♁25'40"	28°♍55'50"	07°♁16'33" R _x	13°♁48'40"	04°♁50'07"	11°♁26'43"	16°♍36'22"	17°♁48'10" R _x	
1989-12-18	29°♁17'58"	25°♁42'00"	14°♁34'27"	03°♁51'31"	29°♍37'31"	07°♁08'44" R _x	13°♁55'31"	04°♁53'41"	11°♁28'55"	16°♍38'23"	17°♁47'53"	
1989-12-19	11°♁50'45"	26°♁43'04"	15°♁53'56"	04°♁15'34"	00°♁19'13"	07°♁00'51" R _x	14°♁02'24"	04°♁57'16"	11°♁31'08"	16°♍40'22"	17°♁48'34"	
1989-12-20	24°♁05'23"	27°♁44'08"	17°♁10'58"	04°♁37'48"	01°♁00'58"	06°♁52'55" R _x	14°♁09'19"	05°♁00'51"	11°♁33'21"	16°♍42'21"	17°♁49'15"	
1989-12-21	06°♁06'54"	28°♁45'14"	18°♁25'11"	04°♁58'08"	01°♁42'45"	06°♁44'56" R _x	14°♁16'14"	05°♁04'26"	11°♁35'34"	16°♍44'17"	17°♁49'03" R _x	
1989-12-22	18°♁00'28"	29°♁46'20"	19°♁36'05"	05°♁16'30"	02°♁24'35"	06°♁36'54" R _x	14°♁23'11"	05°♁08'02"	11°♁37'48"	16°♍46'13"	17°♁47'12" R _x	
1989-12-23	29°♁51'00"	00°♁47'27"	20°♁43'07"	05°♁32'50"	03°♁06'26"	06°♁28'50" R _x	14°♁30'09"	05°♁11'38"	11°♁40'02"	16°♍48'07"	17°♁43'21" R _x	
1989-12-24	11°♍42'55"	01°♁48'35"	21°♁45'41"	05°♁47'05"	03°♁48'20"	06°♁20'45" R _x	14°♁37'08"	05°♁15'14"	11°♁42'17"	16°♍50'00"	17°♁37'30" R _x	
1989-12-25	23°♍39'54"	02°♁49'43"	22°♁43'06"	05°♁59'11"	04°♁30'16"	06°♁12'37" R _x	14°♁44'08"	05°♁18'51"	11°♁44'32"	16°♍51'51"	17°♁30'04" R _x	
1989-12-26	05°♁44'50"	03°♁50'52"	23°♁34'36"	06°♁09'05"	05°♁12'15"	06°♁04'29" R _x	14°♁51'09"	05°♁22'28"	11°♁46'47"	16°♍53'41"	17°♁21'47" R _x	
1989-12-27	17°♁59'41"	04°♁52'02"	24°♁19'21"	06°♁16'42"	05°♁54'15"	05°♁56'20" R _x	14°♁58'12"	05°♁26'04"	11°♁49'03"	16°♍55'30"	17°♁13'32" R _x	
1989-12-28	00°♁25'38"	05°♁25'38"	24°♁56'29"	06°♁21'59"	06°♁36'18"	05°♁48'11" R _x	15°♁05'14"	05°♁29'41"	11°♁51'18"	16°♍57'17"	17°♁06'10" R _x	
1989-12-29	13°♁03'15"	06°♁54'22"	25°♁25'05"	06°♁24'54"	07°♁18'23"	05°♁40'02" R _x	15°♁12'18"	05°♁33'18"	11°♁53'35"	16°♍59'02"	17°♁00'24" R _x	
1989-12-30	25°♁52'37"	07°♁55'32"	25°♁44'16"	06°♁25'23" R _x	08°♁00'30"	05°♁31'54" R _x	15°♁19'22"	05°♁36'55"	11°♁55'51"	17°♍00'46"	16°♁56'38" R _x	
1989-12-31	08°♁53'36"	08°♁56'43"	25°♁53'09"	06°♁23'25" R _x	08°♁42'39"	05°♁23'46" R _x	15°♁26'27"	05°♁40'31"	11°♁58'07"	17°♍02'28"	16°♁54'53" R _x	
1990-01-01	22°♁06'09"	09°♁57'53"	25°♁51'00" R _x	06°♁18'57" R _x	09°♁24'50"	05°♁15'40" R _x	15°♁33'32"	05°♁44'08"	12°♁00'24"	17°♍04'09"	16°♁54'52"	