

**ALPO SATURN CENTRAL MERIDIAN
LONGITUDES FOR SYSTEM I,
SYSTEM II, AND SYSTEM III**

2003

A.L.P.O. Saturn Section

Julius L. Benton, Jr.

Date yy-mm-dd	CMI °	CMII °	CMIII °
2003 Jan 01	142.8	277.8	330.1
2003 Jan 02	267.2	9.9	61
2003 Jan 03	31.6	101.9	151.8
2003 Jan 04	155.9	194	242.7
2003 Jan 05	280.3	286.1	333.5
2003 Jan 06	44.6	18.1	64.4
2003 Jan 07	169	110.2	155.2
2003 Jan 08	293.3	202.2	246.1
2003 Jan 09	57.7	294.3	336.9
2003 Jan 10	182	26.3	67.8
2003 Jan 11	306.4	118.4	158.6
2003 Jan 12	70.7	210.4	249.4
2003 Jan 13	195	302.4	340.3
2003 Jan 14	319.4	34.5	71.1
2003 Jan 15	83.7	126.5	161.9
2003 Jan 16	208	218.5	252.7
2003 Jan 17	332.3	310.6	343.6
2003 Jan 18	96.7	42.6	74.4
2003 Jan 19	221	134.6	165.2
2003 Jan 20	345.3	226.6	256
2003 Jan 21	109.6	318.6	346.8
2003 Jan 22	233.9	50.7	77.6
2003 Jan 23	358.2	142.7	168.4
2003 Jan 24	122.5	234.7	259.2
2003 Jan 25	246.9	326.7	350
2003 Jan 26	11.2	58.7	80.8
2003 Jan 27	135.4	150.7	171.6
2003 Jan 28	259.7	242.7	262.4
2003 Jan 29	24	334.7	353.2
2003 Jan 30	148.3	66.7	84
2003 Jan 31	272.6	158.7	174.8
2003 Feb 01	36.9	250.6	265.5
2003 Feb 02	161.2	342.6	356.3
2003 Feb 03	285.5	74.6	87.1
2003 Feb 04	49.7	166.6	177.9
2003 Feb 05	174	258.5	268.6
2003 Feb 06	298.3	350.5	359.4
2003 Feb 07	62.5	82.5	90.2
2003 Feb 08	186.8	174.5	180.9
2003 Feb 09	311.1	266.4	271.7

2003 Feb 10	75.3	358.4	2.4
2003 Feb 11	199.6	90.3	93.2
2003 Feb 12	323.8	182.3	183.9
2003 Feb 13	88.1	274.2	274.7
2003 Feb 14	212.3	6.2	5.4
2003 Feb 15	336.6	98.1	96.2
2003 Feb 16	100.8	190.1	186.9
2003 Feb 17	225	282	277.6
2003 Feb 18	349.3	14	8.4
2003 Feb 19	113.5	105.9	99.1
2003 Feb 20	237.7	197.8	189.8
2003 Feb 21	2	289.8	280.5
2003 Feb 22	126.2	21.7	11.3
2003 Feb 23	250.4	113.6	102
2003 Feb 24	14.6	205.5	192.7
2003 Feb 25	138.8	297.5	283.4
2003 Feb 26	263.1	29.4	14.1
2003 Feb 27	27.3	121.3	104.8
2003 Feb 28	151.5	213.2	195.5
2003 Mar 01	275.7	305.1	286.3
2003 Mar 02	39.9	37	17
2003 Mar 03	164.1	128.9	107.7
2003 Mar 04	288.3	220.8	198.4
2003 Mar 05	52.5	312.7	289
2003 Mar 06	176.7	44.6	19.7
2003 Mar 07	300.9	136.5	110.4
2003 Mar 08	65.1	228.4	201.1
2003 Mar 09	189.3	320.3	291.8
2003 Mar 10	313.5	52.2	22.5
2003 Mar 11	77.6	144.1	113.2
2003 Mar 12	201.8	236	203.8
2003 Mar 13	326	327.9	294.5
2003 Mar 14	90.2	59.7	25.2
2003 Mar 15	214.4	151.6	115.9
2003 Mar 16	338.5	243.5	206.6
2003 Mar 17	102.7	335.4	297.2
2003 Mar 18	226.9	67.3	27.9
2003 Mar 19	351.1	159.1	118.6
2003 Mar 20	115.2	251	209.2
2003 Mar 21	239.4	342.9	299.9
2003 Mar 22	3.5	74.7	30.5
2003 Mar 23	127.7	166.6	121.2
2003 Mar 24	251.9	258.4	211.9
2003 Mar 25	16	350.3	302.5
2003 Mar 26	140.2	82.2	33.2
2003 Mar 27	264.3	174	123.8
2003 Mar 28	28.5	265.9	214.5
2003 Mar 29	152.6	357.7	305.1
2003 Mar 30	276.8	89.6	35.8
2003 Mar 31	40.9	181.5	126.4
2003 Apr 01	165.1	273.3	217.1

2003 Apr 02	289.2	5.2	307.7
2003 Apr 03	53.4	97	38.3
2003 Apr 04	177.5	188.9	129
2003 Apr 05	301.7	280.7	219.6
2003 Apr 06	65.8	12.5	310.3
2003 Apr 07	190	104.4	40.9
2003 Apr 08	314.1	196.2	131.5
2003 Apr 09	78.2	288.1	222.2
2003 Apr 10	202.4	19.9	312.8
2003 Apr 11	326.5	111.8	43.4
2003 Apr 12	90.6	203.6	134.1
2003 Apr 13	214.8	295.4	224.7
2003 Apr 14	338.9	27.3	315.3
2003 Apr 15	103.1	119.1	46
2003 Apr 16	227.2	210.9	136.6
2003 Apr 17	351.3	302.8	227.2
2003 Apr 18	115.4	34.6	317.9
2003 Apr 19	239.6	126.4	48.5
2003 Apr 20	3.7	218.3	139.1
2003 Apr 21	127.8	310.1	229.7
2003 Apr 22	252	41.9	320.4
2003 Apr 23	16.1	133.8	51
2003 Apr 24	140.2	225.6	141.6
2003 Apr 25	264.4	317.4	232.2
2003 Apr 26	28.5	49.3	322.9
2003 Apr 27	152.6	141.1	53.5
2003 Apr 28	276.7	232.9	144.1
2003 Apr 29	40.9	324.7	234.7
2003 Apr 30	165	56.6	325.4
2003 May 01	289.1	148.4	56
2003 May 02	53.2	240.2	146.6
2003 May 03	177.4	332.1	237.2
2003 May 04	301.5	63.9	327.8
2003 May 05	65.6	155.7	58.5
2003 May 06	189.7	247.5	149.1
2003 May 07	313.9	339.4	239.7
2003 May 08	78	71.2	330.3
2003 May 09	202.1	163	60.9
2003 May 10	326.2	254.8	151.6
2003 May 11	90.4	346.7	242.2
2003 May 12	214.5	78.5	332.8
2003 May 13	338.6	170.3	63.4
2003 May 14	102.7	262.1	154
2003 May 15	226.9	354	244.7
2003 May 16	351	85.8	335.3
2003 May 17	115.1	177.6	65.9
2003 May 18	239.2	269.5	156.5
2003 May 19	3.4	1.3	247.1
2003 May 20	127.5	93.1	337.8
2003 May 21	251.6	184.9	68.4
2003 May 22	15.7	276.8	159

2003 May 23	139.9	8.6	249.6
2003 May 24	264	100.4	340.3
2003 May 25	28.1	192.3	70.9
2003 May 26	152.2	284.1	161.5
2003 May 27	276.4	15.9	252.1
2003 May 28	40.5	107.7	342.8
2003 May 29	164.6	199.6	73.4
2003 May 30	288.8	291.4	164
2003 May 31	52.9	23.2	254.6
2003 Jun 01	177	115.1	345.3
2003 Jun 02	301.2	206.9	75.9
2003 Jun 03	65.3	298.7	166.5
2003 Jun 04	189.4	30.6	257.1
2003 Jun 05	313.6	122.4	347.8
2003 Jun 06	77.7	214.2	78.4
2003 Jun 07	201.8	306.1	169
2003 Jun 08	326	37.9	259.7
2003 Jun 09	90.1	129.8	350.3
2003 Jun 10	214.3	221.6	80.9
2003 Jun 11	338.4	313.4	171.6
2003 Jun 12	102.5	45.3	262.2
2003 Jun 13	226.7	137.1	352.8
2003 Jun 14	350.8	229	83.5
2003 Jun 15	115	320.8	174.1
2003 Jun 16	239.1	52.7	264.8
2003 Jun 17	3.3	144.5	355.4
2003 Jun 18	127.4	236.4	86
2003 Jun 19	251.6	328.2	176.7
2003 Jun 20	15.7	60.1	267.3
2003 Jun 21	139.9	151.9	358
2003 Jun 22	264	243.8	88.6
2003 Jun 23	28.2	335.6	179.3
2003 Jun 24	152.3	67.5	269.9
2003 Jun 25	276.5	159.3	0.6
2003 Jun 26	40.6	251.2	91.2
2003 Jun 27	164.8	343	181.9
2003 Jun 28	288.9	74.9	272.5
2003 Jun 29	53.1	166.8	3.2
2003 Jun 30	177.3	258.6	93.8
2003 Jul 01	301.4	350.5	184.5
2003 Jul 02	65.6	82.3	275.1
2003 Jul 03	189.7	174.2	5.8
2003 Jul 04	313.9	266.1	96.5
2003 Jul 05	78.1	357.9	187.1
2003 Jul 06	202.3	89.8	277.8
2003 Jul 07	326.4	181.7	8.4
2003 Jul 08	90.6	273.5	99.1
2003 Jul 09	214.8	5.4	189.8
2003 Jul 10	339	97.3	280.5
2003 Jul 11	103.1	189.2	11.1
2003 Jul 12	227.3	281.1	101.8

2003 Jul 13	351.5	12.9	192.5
2003 Jul 14	115.7	104.8	283.2
2003 Jul 15	239.9	196.7	13.8
2003 Jul 16	4	288.6	104.5
2003 Jul 17	128.2	20.5	195.2
2003 Jul 18	252.4	112.4	285.9
2003 Jul 19	16.6	204.2	16.5
2003 Jul 20	140.8	296.1	107.2
2003 Jul 21	265	28	197.9
2003 Jul 22	29.2	119.9	288.6
2003 Jul 23	153.4	211.8	19.3
2003 Jul 24	277.6	303.7	110
2003 Jul 25	41.8	35.6	200.7
2003 Jul 26	166	127.5	291.4
2003 Jul 27	290.2	219.4	22.1
2003 Jul 28	54.4	311.3	112.8
2003 Jul 29	178.6	43.2	203.5
2003 Jul 30	302.8	135.1	294.2
2003 Jul 31	67	227	24.9
2003 Aug 01	191.2	318.9	115.6
2003 Aug 02	315.4	50.9	206.3
2003 Aug 03	79.6	142.8	297
2003 Aug 04	203.9	234.7	27.7
2003 Aug 05	328.1	326.6	118.4
2003 Aug 06	92.3	58.5	209.1
2003 Aug 07	216.5	150.4	299.8
2003 Aug 08	340.7	242.4	30.5
2003 Aug 09	105	334.3	121.2
2003 Aug 10	229.2	66.2	212
2003 Aug 11	353.4	158.1	302.7
2003 Aug 12	117.7	250.1	33.4
2003 Aug 13	241.9	342	124.1
2003 Aug 14	6.1	73.9	214.9
2003 Aug 15	130.4	165.9	305.6
2003 Aug 16	254.6	257.8	36.3
2003 Aug 17	18.8	349.7	127.1
2003 Aug 18	143.1	81.7	217.8
2003 Aug 19	267.3	173.6	308.5
2003 Aug 20	31.6	265.6	39.3
2003 Aug 21	155.8	357.5	130
2003 Aug 22	280.1	89.5	220.7
2003 Aug 23	44.3	181.4	311.5
2003 Aug 24	168.6	273.4	42.2
2003 Aug 25	292.8	5.3	133
2003 Aug 26	57.1	97.3	223.7
2003 Aug 27	181.3	189.2	314.5
2003 Aug 28	305.6	281.2	45.2
2003 Aug 29	69.9	13.1	136
2003 Aug 30	194.1	105.1	226.7
2003 Aug 31	318.4	197.1	317.5
2003 Sep 01	82.7	289	48.3

2003 Sep 02	207	21	139
2003 Sep 03	331.2	113	229.8
2003 Sep 04	95.5	205	320.6
2003 Sep 05	219.8	296.9	51.3
2003 Sep 06	344.1	28.9	142.1
2003 Sep 07	108.3	120.9	232.9
2003 Sep 08	232.6	212.9	323.6
2003 Sep 09	356.9	304.9	54.4
2003 Sep 10	121.2	36.8	145.2
2003 Sep 11	245.5	128.8	236
2003 Sep 12	9.8	220.8	326.8
2003 Sep 13	134.1	312.8	57.6
2003 Sep 14	258.4	44.8	148.3
2003 Sep 15	22.7	136.8	239.1
2003 Sep 16	147	228.8	329.9
2003 Sep 17	271.3	320.8	60.7
2003 Sep 18	35.6	52.8	151.5
2003 Sep 19	159.9	144.8	242.3
2003 Sep 20	284.2	236.8	333.1
2003 Sep 21	48.5	328.8	63.9
2003 Sep 22	172.8	60.8	154.7
2003 Sep 23	297.1	152.8	245.5
2003 Sep 24	61.5	244.8	336.3
2003 Sep 25	185.8	336.9	67.1
2003 Sep 26	310.1	68.9	157.9
2003 Sep 27	74.4	160.9	248.8
2003 Sep 28	198.7	252.9	339.6
2003 Sep 29	323.1	344.9	70.4
2003 Sep 30	87.4	77	161.2
2003 Oct 01	211.7	169	252
2003 Oct 02	336.1	261	342.9
2003 Oct 03	100.4	353.1	73.7
2003 Oct 04	224.7	85.1	164.5
2003 Oct 05	349.1	177.1	255.3
2003 Oct 06	113.4	269.2	346.2
2003 Oct 07	237.8	1.2	77
2003 Oct 08	2.1	93.3	167.8
2003 Oct 09	126.4	185.3	258.7
2003 Oct 10	250.8	277.3	349.5
2003 Oct 11	15.1	9.4	80.4
2003 Oct 12	139.5	101.4	171.2
2003 Oct 13	263.8	193.5	262
2003 Oct 14	28.2	285.5	352.9
2003 Oct 15	152.6	17.6	83.7
2003 Oct 16	276.9	109.6	174.6
2003 Oct 17	41.3	201.7	265.4
2003 Oct 18	165.6	293.8	356.3
2003 Oct 19	290	25.8	87.1
2003 Oct 20	54.4	117.9	178
2003 Oct 21	178.7	209.9	268.9
2003 Oct 22	303.1	302	359.7

2003 Oct 23	67.5	34.1	90.6
2003 Oct 24	191.8	126.2	181.4
2003 Oct 25	316.2	218.2	272.3
2003 Oct 26	80.6	310.3	3.2
2003 Oct 27	205	42.4	94
2003 Oct 28	329.4	134.4	184.9
2003 Oct 29	93.7	226.5	275.8
2003 Oct 30	218.1	318.6	6.7
2003 Oct 31	342.5	50.7	97.5
2003 Nov 01	106.9	142.8	188.4
2003 Nov 02	231.3	234.8	279.3
2003 Nov 03	355.7	326.9	10.2
2003 Nov 04	120	59	101
2003 Nov 05	244.4	151.1	191.9
2003 Nov 06	8.8	243.2	282.8
2003 Nov 07	133.2	335.3	13.7
2003 Nov 08	257.6	67.4	104.6
2003 Nov 09	22	159.5	195.5
2003 Nov 10	146.4	251.6	286.3
2003 Nov 11	270.8	343.7	17.2
2003 Nov 12	35.2	75.7	108.1
2003 Nov 13	159.6	167.8	199
2003 Nov 14	284	259.9	289.9
2003 Nov 15	48.4	352	20.8
2003 Nov 16	172.8	84.1	111.7
2003 Nov 17	297.2	176.2	202.6
2003 Nov 18	61.6	268.3	293.5
2003 Nov 19	186	0.4	24.4
2003 Nov 20	310.4	92.5	115.3
2003 Nov 21	74.8	184.7	206.2
2003 Nov 22	199.2	276.8	297.1
2003 Nov 23	323.6	8.9	28
2003 Nov 24	88	101	118.9
2003 Nov 25	212.5	193.1	209.8
2003 Nov 26	336.9	285.2	300.7
2003 Nov 27	101.3	17.3	31.6
2003 Nov 28	225.7	109.4	122.5
2003 Nov 29	350.1	201.5	213.4
2003 Nov 30	114.5	293.6	304.3
2003 Dec 01	238.9	25.7	35.2
2003 Dec 02	3.3	117.8	126.1
2003 Dec 03	127.7	209.9	217
2003 Dec 04	252.1	302	307.9
2003 Dec 05	16.6	34.2	38.8
2003 Dec 06	141	126.3	129.7
2003 Dec 07	265.4	218.4	220.6
2003 Dec 08	29.8	310.5	311.5
2003 Dec 09	154.2	42.6	42.4
2003 Dec 10	278.6	134.7	133.3
2003 Dec 11	43	226.8	224.2
2003 Dec 12	167.4	318.9	315.1

2003 Dec 13	291.8	51	46
2003 Dec 14	56.2	143.1	136.9
2003 Dec 15	180.6	235.2	227.8
2003 Dec 16	305.1	327.3	318.7
2003 Dec 17	69.5	59.5	49.6
2003 Dec 18	193.9	151.6	140.5
2003 Dec 19	318.3	243.7	231.4
2003 Dec 20	82.7	335.8	322.3
2003 Dec 21	207.1	67.9	53.2
2003 Dec 22	331.5	160	144.1
2003 Dec 23	95.9	252.1	235
2003 Dec 24	220.3	344.2	325.9
2003 Dec 25	344.7	76.3	56.8
2003 Dec 26	109.1	168.4	147.7
2003 Dec 27	233.5	260.5	238.6
2003 Dec 28	357.9	352.6	329.5
2003 Dec 29	122.3	84.7	60.3
2003 Dec 30	246.7	176.7	151.2
2003 Dec 31	11.1	268.8	242.1

Change in Longitude in Intervals of Mean Time for System I

System I (NEBs, EZ, SEBn)

h	°	m	°	m	°
1	35.2	10	5.9	1	0.6
2	70.4	20	11.7	2	1.2
3	105.6	30	17.6	3	1.8
4	140.8	40	23.5	4	2.3
5	176.0	50	29.3	5	2.9
6	211.2	60	35.2	6	3.5
7	246.4			7	4.1
8	281.6			8	4.7
9	316.8			9	5.3
10	352.0			10	5.9

Change in Longitude in Intervals of Mean Time for System II

System II (Areas N or S of System I)

h	°	m	°	m	°
1	33.8	10	5.6	1	0.6
2	67.7	20	11.3	2	1.1
3	101.5	30	16.9	3	1.7
4	135.3	40	22.6	4	2.3
5	169.2	50	28.2	5	2.8
6	203.0	60	33.8	6	3.4
7	236.8			7	3.9
8	270.7			8	4.5
9	304.5			9	5.1

10 338.3

10 5.6

Change in Longitude in Intervals of Mean Time for System III

System III (Origin of Radio Emissions)

h	°	m	°	m	°
1	33.8	10	5.6	1	0.6
2	67.6	20	11.3	2	1.1
3	101.3	30	16.9	3	1.7
4	135.1	40	22.5	4	2.3
5	168.9	50	28.2	5	2.8
6	202.7	60	33.8	6	3.4
7	236.5	236.5		7	3.9
8	270.3	270.3		8	4.5
9	304.0	304.0		9	5.1
10	337.8	337.8		10	5.6

Credits: Ephemerides generated using WIMP v4.3 By Jeff Beish